NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

VOLUME 2 OF 2, MERCER ISLAND CONVEYANCE

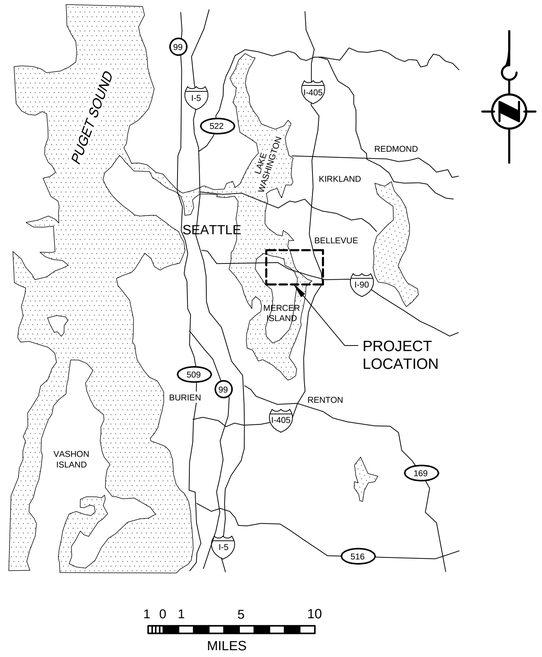
CONTRACT NUMBER: C01340C20

APPLICATION FOR CITY OF MERCER ISLAND CRITICAL AREAS LAND USE PERMIT PROJECT PLAN SET

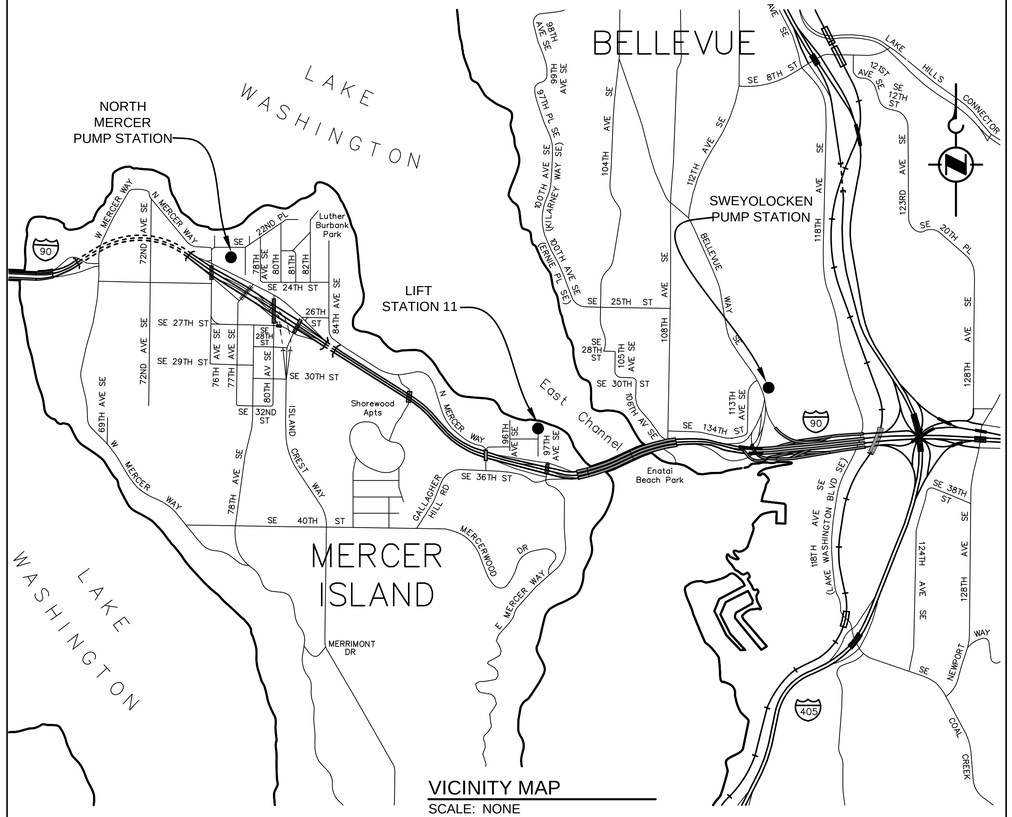
SEPTEMBER 2019

UPDATES: MARCH 2020

KING COUNTY
Department of Natural Resources and Parks
Wastewater Treatment Division



LOCATION MAP
SCALE: AS SHOWN



VICINITY MAP
SCALE: NONE

PROJECT DATUM

VERTICAL DATUM

METRO (ADD 96.43 FEET TO NAVD88)- ESTABLISHED BY STATIC GPS OBSERVATIONS OF WSDOT SURVEY CONTROL POINTS, GP17405-313, GP17405-70, GP17405-72 AND ROANOKE.

PROJECT BENCH MARK:
1ALLIANCE GEOMATICS CONTROL POINT 317
SET MAG NAIL AND WASHER FLUSH WITH ROADWAY SURFACE ELEVATION 48.12 FEET NAVD 88
CALCULATED PROJECT ELEVATION 144.55 FEET METRO DATUM LOCATED AT THE INTERSECTION OF SE 22ND ST. AND 77TH AVE SE ON MERCER ISLAND, 4.5 FEET SOUTHWEST OF A SEWER MANHOLE

HORIZONTAL

BASED ON WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 83/91 AND TRANSLATED TO PROJECT COORDINATES USING WSDOT METHODOLOGY (WSDOT HIGHWAY SURVEYING MANUAL M 22-97, 6-04.04).

FOR REFERENCE ONLY

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
LOCATION AND VICINITY MAPS

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G001
SHT NO / TOTAL	001 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-G001.dwg
PLOT DATE: 9/16/2019 1:33 PM
PLOTTED BY: Nelson, Ben

FOR REFERENCE ONLY

VOLUME 2 OF 2 - MERCER ISLAND CONVEYANCE

DRAWING INDEX

SHT NO	DWG NO	SHEET TITLE
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GENERAL		
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003	G003	DRAWING INDEX - SHEET 2 OF 3
004	G004	DRAWING INDEX - SHEET 3 OF 3
005	G005	KEY MAP - SHEET 1 OF 4
006	G006	KEY MAP - SHEET 2 OF 4
007	G007	KEY MAP - SHEET 3 OF 4
008	G008	KEY MAP - SHEET 4 OF 4
009	G009	GENERAL - SYMBOLS AND REFERENCING
010	G010	CIVIL - SYMBOLS AND LEGENDS
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014	G014	SURVEY CONTROL PLAN - SHEET 3 OF 7
015	G015	SURVEY CONTROL PLAN - SHEET 4 OF 7
016	G016	SURVEY CONTROL PLAN - SHEET 5 OF 7
017	G017	SURVEY CONTROL PLAN - SHEET 6 OF 7
018	G018	SURVEY CONTROL PLAN - SHEET 7 OF 7
019	G019	HYDRAULIC PROFILE - SHEET 1 OF 2
020	G020	HYDRAULIC PROFILE - SHEET 2 OF 2
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022	G202	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 4+50 TO STA 7+00
023	G203	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 7+00 TO STA 10+00
024	G204	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 10+00 TO STA 14+00
025	G205	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 14+00 TO STA 17+50
026	G206	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 17+50 TO STA 21+50
027	G207	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 21+50 TO STA 24+50
028	G208	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 24+50 TO STA 28+00
029	G209	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 28+00 TO STA 31+00
030	G210	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 31+00 TO STA 34+00
031	G211	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 34+00 TO STA 37+50
032	G212	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 37+50 TO STA 41+50
033	G213	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 41+50 TO STA 45+50
034	G214	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 45+50 TO STA 49+50
035	G215	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 49+50 TO STA 53+50
036	G216	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 53+50 TO STA 57+50
037	G217	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 57+50 TO STA 61+50
038	G218	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 61+50 TO STA 64+50
039	G219	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 64+50 TO STA 67+50
040	G220	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 67+50 TO STA 70+50
041	G221	NMPS FORCE MAIN - TOPOGRAPHIC SURVEY - STA 70+50 TO STA 73+50
042	G222	NORTH MERCER INTERCEPTOR - TOPOGRAPHIC SURVEY - STA 73+50 TO STA 77+50
043	G223	NORTH MERCER INTERCEPTOR - TOPOGRAPHIC SURVEY - STA 77+50 TO STA 81+50
044	G224	NORTH MERCER INTERCEPTOR - TOPOGRAPHIC SURVEY - STA 81+50 TO STA 85+50
045	G225	NORTH MERCER INTERCEPTOR - TOPOGRAPHIC SURVEY - STA 85+50 TO STA 89+50
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048	G228	NORTH MERCER INTERCEPTOR - TOPOGRAPHIC SURVEY - STA 95+50 TO STA 100+00
049	G229	NORTH MERCER INTERCEPTOR - TOPOGRAPHIC SURVEY - STA 100+00 TO STA 201+32
050	G230	EAST CHANNEL SIPHON - TOPOGRAPHIC SURVEY - STA 201+33 STA 205+20
051	G231	EAST CHANNEL SIPHON - TOPOGRAPHIC SURVEY - STA 205+20 TO 209+40
052	G232	EAST CHANNEL SIPHON - TOPOGRAPHIC SURVEY - STA 209+40 TO STA 213+60
053	G233	EAST CHANNEL SIPHON - TOPOGRAPHIC SURVEY - STA 213+60 TO STA 217+80
054	G234	EAST CHANNEL SIPHON - TOPOGRAPHIC SURVEY - STA 217+80 TO STA 222+00
055	G235	EAST CHANNEL SIPHON - TOPOGRAPHIC SURVEY - STA 222+00 TO STA 226+36
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057	G237	ENATAI BEACH PARK SEWER - TOPOGRAPHIC SURVEY - STA 303+50 TO STA 307+00
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SHT NO	DWG NO	SHEET TITLE
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061	G502	ENATAI SIPHON HDD - TOPOGRAPHIC SURVEY - STA 241+60 TO 255+67
062	G601	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 601+00 TO 308+00
063	G602	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 308+00 TO 312+00
064	G603	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 312+00 TO 315+50
065	G604	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 315+50 TO 319+50
066	G605	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - BIKE TRAIL - 1
067	G606	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 319+50 TO 323+00
068	G607	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - BIKE TRAIL - 2
069	G608	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 323+00 TO 326+50
070	G609	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 326+50 TO 330+00
071	G610	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 330+00 TO 333+50
072	G611	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 333+50 TO 337+00
073	G612	ENATAI INTERCEPTOR REHAB - TOPOGRAPHIC SURVEY - STA 337+00 TO 341+00
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076	C002	SITE PREPARATION - TESC DETAILS - SHEET 1 OF 3
077	C003	SITE PREPARATION - TESC DETAILS - SHEET 2 OF 3
078	C004	SITE PREPARATION - TESC DETAILS - SHEET 3 OF 3
079	C005	EXISTING TREE INVENTORY - SHEET 1 OF 9
080	C006	EXISTING TREE INVENTORY - SHEET 2 OF 9
081	C007	EXISTING TREE INVENTORY - SHEET 3 OF 9
082	C008	EXISTING TREE INVENTORY - SHEET 4 OF 9
083	C009	EXISTING TREE INVENTORY - SHEET 5 OF 9
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086	C012	EXISTING TREE INVENTORY - SHEET 8 OF 9
087	C013	EXISTING TREE INVENTORY - SHEET 9 OF 9
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089	C014	GEOTECHNICAL - MONITORING SCHEDULE - SHEET 1 OF 2
090	C015	GEOTECHNICAL - MONITORING SCHEDULE - SHEET 2 OF 2
091	C016	GEOTECHNICAL MONITORING - INSTRUMENTATION DETAILS
092	C020	CIVIL - GENERAL NOTES
093	C021	CIVIL - STANDARD DETAILS - SHEET 1 OF 5
094	C022	CIVIL - STANDARD DETAILS - SHEET 2 OF 5
095	C022A	CIVIL - STANDARD DETAILS - SHEET 3 OF 5
096	C023	CIVIL - STANDARD DETAILS - SHEET 4 OF 5
097	C024	CIVIL - STANDARD DETAILS - SHEET 5 OF 5
098	C025	CIVIL - CORROSION PROTECTION - DETAILS
099	C026	CIVIL - TRENCH SECTIONS - SHEET 1 OF 4
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102	C029	CIVIL - TRENCH SECTIONS - SHEET 4 OF 4
103	C062	RESTORATION - DETAILS
104	C063	ROADWAY RESTORATION - TYPICAL SECTIONS
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106	C065	TRAIL RESTORATION - DETAILS - SHEET 1 OF 3
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114	C086	LANDSCAPING RESTORATION - DETAILS
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117	C102	COMBINED FM INSPECTION TEE - AND AIR RELEASE - ASSET TAG TABLE
118	C103	FORCE MAIN DRAIN - DETAILS
119	C104	COMBINED FM INSPECTION TEE - AND AIR RELEASE - DETAILS
120	C105	INDIVIDUAL FM INSPECTION TEE - DETAILS

DRAWINGS NOT INCLUDED IN THE LAND USE SET HAVE BEEN SHADED RED, BUT HAVE BEEN LEFT ON THE INDEX TO PROVIDE CONTEXT FOR DRAWING CROSS-REFERENCES.

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SHT NO	DWG NO	SHEET TITLE
121	C106	NMPS FORCE MAIN - DISCHARGE STRUCTURE - DETAILS
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123	C112	96TH AVE SIPHON - DEMOLITION - SHEET 1 OF 1
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128	C117	96TH AVE SE SIPHON - PLAN AND PROFILE
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131	C122	EAST CHANNEL SIPHON - INLET STRUCTURE - DETAILS 1 OF 2
132	C123	EAST CHANNEL SIPHON - INLET STRUCTURE - DETAILS 2 OF 2
133	C124	EAST CHANNEL SIPHON - AIR VENT - DETAIL
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135	C126	EAST CHANNEL SIPHON - PIPE ANCHOR - DETAILS
136	C128	EAST CHANNEL SIPHON - EXISTING UTILITY - SECTIONS
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138	C132	MERCER ISLAND BOAT LAUNCH - SITE RESTORATION PLAN
139	C133	MERCER ISLAND BOAT LAUNCH - SHORELINE RESTORATION - PLAN
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143	C137	ENATAI BEACH PARK - SITE PLAN
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150	C144	ENATAI BEACH PARK - SHORELINE RESTORATION - SECTIONS
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152	C146	ENATAI BEACH PARK - ENATAI SIPHON - INLET STRUCTURE DETAILS
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155	C152	SWEYOLOCKEN - WORK ELEMENTS - PLAN
156	C153	SWEYOLOCKEN - SITE PLAN
157	C154	SWEYOLOCKEN - ENATAI SIPHON OUTLET STRUCTURE - DETAILS
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167	C202	NMPS FORCE MAIN - SITE PREPARATION - STA 4+50 TO STA 7+00
168	C203	NMPS FORCE MAIN - SITE PREPARATION - STA 7+00 TO STA 10+00
169	C204	NMPS FORCE MAIN - SITE PREPARATION - STA 10+00 TO STA 14+00
170	C205	NMPS FORCE MAIN - SITE PREPARATION - STA 14+00 TO STA 17+50
171	C206	NMPS FORCE MAIN - SITE PREPARATION - STA 17+50 TO STA 21+50
172	C207	NMPS FORCE MAIN - SITE PREPARATION - STA 21+50 TO STA 24+50
173	C208	NMPS FORCE MAIN - SITE PREPARATION - STA 24+50 TO STA 28+00
174	C209	NMPS FORCE MAIN - SITE PREPARATION - STA 28+00 TO STA 31+00

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
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MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
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DRAWING INDEX SHEET 1 OF 3

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PLOTTED BY: D'Aurio, Isaac

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VOLUME 2 OF 2 - MERCER ISLAND CONVEYANCE

DRAWING INDEX (CONT.)

SHT NO	DWG NO	SHEET TITLE
176	C211	NMPS FORCE MAIN - SITE PREPARATION - STA 34+00 TO STA 37+50
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178	C213	NMPS FORCE MAIN - SITE PREPARATION - STA 41+50 TO STA 45+50
179	C214	NMPS FORCE MAIN - SITE PREPARATION - STA 45+50 TO STA 49+50
180	C215	NMPS FORCE MAIN - SITE PREPARATION - STA 49+50 TO STA 53+50
181	C216	NMPS FORCE MAIN - SITE PREPARATION - STA 53+50 TO STA 57+50
182	C217	NMPS FORCE MAIN - SITE PREPARATION - STA 57+50 TO STA 61+50
183	C218	NMPS FORCE MAIN - SITE PREPARATION - STA 61+50 TO STA 64+50
184	C219	NMPS FORCE MAIN - SITE PREPARATION - STA 64+50 TO STA 67+50
185	C220	NMPS FORCE MAIN - SITE PREPARATION - STA 67+50 TO STA 70+50
186	C221	NMPS FORCE MAIN - SITE PREPARATION - STA 70+50 TO STA 73+50
187	C222	NORTH MERCER INTERCEPTOR - SITE PREPARATION - STA 73+50 TO STA 77+50
188	C223	NORTH MERCER INTERCEPTOR - SITE PREPARATION - STA 77+50 TO STA 81+50
189	C224	NORTH MERCER INTERCEPTOR - SITE PREPARATION - STA 81+50 TO STA 85+50
190	C225	NORTH MERCER INTERCEPTOR - SITE PREPARATION - STA 85+50 TO STA 89+50
191	C226	NORTH MERCER INTERCEPTOR - SITE PREPARATION - STA 89+50 TO STA 92+50
192	C227	NORTH MERCER INTERCEPTOR - SITE PREPARATION - STA 92+50 TO STA 95+50
193	C228	NORTH MERCER INTERCEPTOR - SITE PREPARATION - STA 95+50 TO STA 100+00
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196	C231	EAST CHANNEL SIPHON - SITE PREPARATION - STA 205+20 TO 209+40
197	C232	EAST CHANNEL SIPHON - SITE PREPARATION - STA 209+40 TO STA 213+60
198	C233	EAST CHANNEL SIPHON - SITE PREPARATION - STA 213+60 TO STA 217+80
199	C234	EAST CHANNEL SIPHON - SITE PREPARATION - STA 217+80 TO STA 222+00
200	C235	EAST CHANNEL SIPHON - SITE PREPARATION - STA 222+00 TO STA 226+36
201	C236	ENATAI INT. CONNECTOR - SITE PREPARATION - STA 301+00 TO STA 303+50
202	C237	ENATAI INT. CONNECTOR - SITE PREPARATION - STA 303+50 TO STA 307+00
203	C238	SWEYOLOCKEN GRAVITY SS - SITE PREPARATION - STA 227+00 TO STA 257+60
		CIVIL - PIPELINE PLAN AND PROFILE
204	C301	NMPS FORCE MAIN - PLAN AND PROFILE - STA 1+64 TO STA 4+50
205	C302	NMPS FORCE MAIN - PLAN AND PROFILE - STA 4+50 TO STA 7+00
206	C303	NMPS FORCE MAIN - PLAN AND PROFILE - STA 7+00 TO STA 10+00
207	C304	NMPS FORCE MAIN - PLAN AND PROFILE - STA 10+00 TO STA 14+00
208	C305	NMPS FORCE MAIN - PLAN AND PROFILE - STA 14+00 TO STA 17+50
209	C306	NMPS FORCE MAIN - PLAN AND PROFILE - STA 17+50 TO STA 21+50
210	C307	NMPS FORCE MAIN - PLAN AND PROFILE - STA 21+50 TO STA 24+50
211	C308	NMPS FORCE MAIN - PLAN AND PROFILE - STA 24+50 TO STA 28+00
212	C309	NMPS FORCE MAIN - PLAN AND PROFILE - STA 28+00 TO STA 31+00
213	C310	NMPS FORCE MAIN - PLAN AND PROFILE - STA 31+00 TO STA 34+00
214	C311	NMPS FORCE MAIN - PLAN AND PROFILE - STA 34+00 TO STA 37+50
215	C312	NMPS FORCE MAIN - PLAN AND PROFILE - STA 37+50 TO STA 41+50
216	C313	NMPS FORCE MAIN - PLAN AND PROFILE - STA 41+50 TO STA 45+50
217	C314	NMPS FORCE MAIN - PLAN AND PROFILE - STA 45+50 TO STA 49+50
218	C315	NMPS FORCE MAIN - PLAN AND PROFILE - STA 49+50 TO STA 53+50
219	C316	NMPS FORCE MAIN - PLAN AND PROFILE - STA 53+50 TO STA 57+50
220	C317	NMPS FORCE MAIN - PLAN AND PROFILE - STA 57+50 TO STA 61+50
221	C318	NMPS FORCE MAIN - PLAN AND PROFILE - STA 61+50 TO STA 64+50
222	C319	NMPS FORCE MAIN - PLAN AND PROFILE - STA 64+50 TO STA 67+50
223	C320	NMPS FORCE MAIN - PLAN AND PROFILE - STA 67+50 TO STA 70+50
224	C321	NMPS FORCE MAIN - PLAN AND PROFILE - STA 70+50 TO STA 73+50
225	C322	NORTH MERCER INTERCEPTOR - PLAN AND PROFILE - STA 73+50 TO STA 77+50
226	C323	NORTH MERCER INTERCEPTOR - PLAN AND PROFILE - STA 77+50 TO STA 81+50
227	C324	NORTH MERCER INTERCEPTOR - PLAN AND PROFILE - STA 81+50 TO STA 85+50
228	C325	NORTH MERCER INTERCEPTOR - PLAN AND PROFILE - STA 85+50 TO STA 89+50
229	C326	NORTH MERCER INTERCEPTOR - PLAN AND PROFILE - STA 89+50 TO STA 92+50
230	C327	NORTH MERCER INTERCEPTOR - PLAN AND PROFILE - STA 92+50 TO STA 95+50
231	C328	NORTH MERCER INTERCEPTOR - PLAN AND PROFILE - STA 95+50 TO STA 100+00
232	C329	NORTH MERCER INTERCEPTOR - PLAN AND PROFILE - STA 100+00 TO STA 201+32
233	C330	EAST CHANNEL SIPHON - PLAN AND PROFILE - STA 201+33 STA 205+20
234	C331	EAST CHANNEL SIPHON - PLAN AND PROFILE - STA 205+20 TO 209+40
235	C332	EAST CHANNEL SIPHON - PLAN AND PROFILE - STA 209+40 TO STA 213+60
236	C333	EAST CHANNEL SIPHON - PLAN AND PROFILE - STA 213+60 TO STA 217+80
237	C334	EAST CHANNEL SIPHON - PLAN AND PROFILE - STA 217+80 TO STA 222+00

DRAWING INDEX (CONT.)

SHT NO	DWG NO	SHEET TITLE
238	C335	EAST CHANNEL SIPHON - PLAN AND PROFILE - STA 222+00 TO STA 226+36
239	C336	ENATAI BEACH PARK SEWER - PLAN AND PROFILE - STA 301+00 TO STA 303+50
240	C337	ENATAI BEACH PARK SEWER - PLAN AND PROFILE - STA 303+50 TO STA 307+00
241	C338	SWEYOLOCKEN GRAVITY SS - PLAN AND PROFILE - STA 227+00 TO STA 257+00
		CIVIL - PIPELINE SITE RESTORATION
242	C401	NMPS FORCE MAIN - SITE RESTORATION - STA 1+64 TO STA 4+50
243	C402	NMPS FORCE MAIN - SITE RESTORATION - STA 4+50 TO STA 7+00
244	C403	NMPS FORCE MAIN - SITE RESTORATION - STA 7+00 TO STA 10+00
245	C404	NMPS FORCE MAIN - SITE RESTORATION - STA 10+00 TO STA 14+00
246	C405	NMPS FORCE MAIN - SITE RESTORATION - STA 14+00 TO STA 17+50
247	C406	NMPS FORCE MAIN - SITE RESTORATION - STA 17+50 TO STA 21+50
248	C407	NMPS FORCE MAIN - SITE RESTORATION - STA 21+50 TO STA 24+50
249	C408	NMPS FORCE MAIN - SITE RESTORATION - STA 24+50 TO STA 28+00
250	C409	NMPS FORCE MAIN - SITE RESTORATION - STA 28+00 TO STA 31+00
251	C410	NMPS FORCE MAIN - SITE RESTORATION - STA 31+00 TO STA 34+00
252	C411	NMPS FORCE MAIN - SITE RESTORATION - STA 34+00 TO STA 37+50
253	C412	NMPS FORCE MAIN - SITE RESTORATION - STA 37+50 TO STA 41+50
254	C413	NMPS FORCE MAIN - SITE RESTORATION - STA 41+50 TO STA 45+50
255	C414	NMPS FORCE MAIN - SITE RESTORATION - STA 45+50 TO STA 49+50
256	C415	NMPS FORCE MAIN - SITE RESTORATION - STA 49+50 TO STA 53+50
257	C416	NMPS FORCE MAIN - SITE RESTORATION - STA 53+50 TO STA 57+50
258	C417	NMPS FORCE MAIN - SITE RESTORATION - STA 57+50 TO STA 61+50
259	C418	NMPS FORCE MAIN - SITE RESTORATION - STA 61+50 TO STA 64+50
260	C419	NMPS FORCE MAIN - SITE RESTORATION - STA 64+50 TO STA 67+50
261	C420	NMPS FORCE MAIN - SITE RESTORATION - STA 67+50 TO STA 70+50
262	C421	NMPS FORCE MAIN - SITE RESTORATION - STA 70+50 TO STA 73+50
263	C422	NORTH MERCER INTERCEPTOR - SITE RESTORATION - STA 73+50 TO STA 77+50
264	C423	NORTH MERCER INTERCEPTOR - SITE RESTORATION - STA 77+50 TO STA 81+50
265	C424	NORTH MERCER INTERCEPTOR - SITE RESTORATION - STA 81+50 TO STA 85+50
266	C425	NORTH MERCER INTERCEPTOR - SITE RESTORATION - STA 85+50 TO STA 89+50
267	C426	NORTH MERCER INTERCEPTOR - SITE RESTORATION - STA 89+50 TO STA 92+50
268	C427	NORTH MERCER INTERCEPTOR - SITE RESTORATION - STA 92+50 TO STA 95+50
269	C428	NORTH MERCER INTERCEPTOR - SITE RESTORATION - STA 95+50 TO STA 100+00
270	C429	NORTH MERCER INTERCEPTOR - SITE RESTORATION - STA 100+00 TO STA 201+32
271	C430	EAST CHANNEL SIPHON - SITE RESTORATION - STA 201+33 STA 205+20
272	C431	EAST CHANNEL SIPHON - SITE RESTORATION - STA 205+20 TO 209+40
273	C432	EAST CHANNEL SIPHON - SITE RESTORATION - STA 209+40 TO STA 213+60
274	C437	ENATAI BEACH PARK SEWER - SITE RESTORATION - STA 303+50 TO STA 307+00
		CIVIL - TRAIL RESTORATION
275	C451	I-90 TRAIL RESTORATION - SEGMENT A - STA 0+00 TO STA 2+00
276	C452	I-90 TRAIL RESTORATION - SEGMENT A - STA 2+00 TO STA 6+00
277	C453	I-90 TRAIL RESTORATION - SEGMENT A - STA 6+00 TO STA 10+00
278	C454	I-90 TRAIL RESTORATION - SEGMENT A - STA 10+00 TO STA 14+00
279	C455	I-90 TRAIL RESTORATION - SEGMENT A - STA 14+00 TO STA 18+00
280	C456	I-90 TRAIL RESTORATION - SEGMENT A - STA 18+00 TO STA 22+00
281	C457	I-90 TRAIL RESTORATION - SEGMENT A - STA 22+00 TO STA 25+71
282	C458	I-90 TRAIL RESTORATION - SEGMENT B - STA 0+00 TO STA 1+50
283	C459	I-90 TRAIL RESTORATION - SEGMENT B - STA 1+50 TO STA 5+50
284	C460	I-90 TRAIL RESTORATION - SEGMENT B - STA 5+50 TO STA 9+50
285	C461	I-90 TRAIL RESTORATION - SEGMENT B - STA 9+50 TO STA 13+50
286	C462	I-90 TRAIL RESTORATION - SEGMENT B - STA 13+50 TO STA 15+98
287	C463	I-90 TRAIL RESTORATION - SEGMENT C - STA 0+00 TO STA 2+00
288	C464	I-90 TRAIL RESTORATION - SEGMENT C - STA 2+00 TO STA 5+00
289	C465	I-90 TRAIL RESTORATION - SEGMENT C - STA 5+00 TO STA 8+00
290	C466	I-90 TRAIL RESTORATION - SEGMENT C - STA 8+00 TO STA 9+43
		CIVIL - ENATAI SIPHON HDD
291	C501	ENATAI SIPHON HDD - SITE PREPARATION - ENATAI BEACH - SHEET 1
292	C502	ENATAI SIPHON HDD - SITE PREPARATION - ENATAI BEACH - SHEET 2
293	C503	ENATAI SIPHON HDD - SITE PREPARATION - SWEYOLOCKEN
294	C504	ENATAI SIPHON HDD - SITE PREPARATION - HDD PULL BACK
295	C511	ENATAI SIPHON HDD - PLAN AND PROFILE - STA 227+00 TO STA 234+20
296	C512	ENATAI SIPHON HDD - PLAN AND PROFILE - STA 234+20 TO STA 242+60
297	C513	ENATAI SIPHON HDD - PLAN AND PROFILE - STA 242+60 TO STA 251+00

DRAWING INDEX (CONT.)

SHT NO	DWG NO	SHEET TITLE
298	C514	ENATAI SIPHON HDD - PLAN AND PROFILE - STA 251+00 TO STA 257+00
299	C521	ENATAI SIPHON HDD - SITE RESTORATION - ENATAI BEACH - SHEET 1
300	C522	ENATAI SIPHON HDD - SITE RESTORATION - ENATAI BEACH - SHEET 2
		CIVIL - ENATAI INTERCEPTOR REHABILITATION
301	C601	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 601+00 TO 308+00
302	C602	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 308+00 TO 312+00
303	C603	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 312+00 TO 315+50
304	C604	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 315+50 TO 319+50
305	C605	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - I-90 TRAIL - SHEET 1
306	C606	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 319+50 TO 323+00
307	C607	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - I-90 TRAIL - SHEET 2
308	C608	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 323+00 TO 326+50
309	C609	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 326+50 TO 330+00
310	C610	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 330+00 TO 333+50
311	C611	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 333+50 TO 337+00
312	C612	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 337+00 TO 341+00
313	C613	ENATAI INTERCEPTOR REHAB - WORK LIMITS AND SITE PREP - STA 341+00 TO 343+00
314	C621	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 601+00 TO 308+00
315	C622	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 308+00 TO 312+00
316	C623	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 312+00 TO 315+50
317	C624	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 315+50 TO 319+50
318	C625	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 319+50 TO 323+00
319	C626	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 323+00 TO 326+50
320	C627	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 326+50 TO 330+00
321	C628	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 330+00 TO 333+50
322	C629	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 333+50 TO 337+00
323	C630	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 337+00 TO 341+00
324	C631	ENATAI INTERCEPTOR REHAB - PLAN AND PROFILE - STA 341+00 TO 343+00
325	C632	ENATAI INTERCEPTOR REHAB - MAINTENANCE HOLE - DETAILS - SHEET 1 OF 3
326	C633	ENATAI INTERCEPTOR REHAB - MAINTENANCE HOLE - DETAILS - SHEET 2 OF 3
327	C634	ENATAI INTERCEPTOR REHAB - MAINTENANCE HOLE - DETAILS - SHEET 3 OF 3
328	C635	ENATAI INTERCEPTOR REHAB - ANGLE STRUCTURE - DETAILS - SHEET 1 OF 2
329	C638	ENATAI INTERCEPTOR REHAB - ANGLE STRUCTURE - DETAILS - SHEET 2 OF 2
330	C641	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - STA 601+00 TO 308+00
331	C642	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - I-90 TRAIL - SHEET 1
332	C643	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - STA 319+50 TO 323+00
333	C644	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - I-90 TRAIL - SHEET 2
334	C645	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - STA 323+00 TO 326+50
335	C646	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - STA 326+50 TO 330+00
336	C647	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - STA 330+00 TO 333+50
337	C648	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - STA 333+50 TO 337+00
338	C649	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - STA 337+00 TO 341+00
339	C650	ENATAI INTERCEPTOR REHAB - SITE RESTORATION PLAN - STA 341+00 TO 343+00
		CIVIL - UTILITY RELOCATION
340	C701	MERCER ISLAND SEWER - PROFILES
341	C702	MERCER ISLAND WATER - PROFILES
342	C703	MERCER ISLAND STORM DRAIN - PROFILES
343	C704	WSDOT STORM DRAIN - PROFILES
344	C705	UTILITY RELOCATION - STATIONS 207+00 TO 209+00 - SHEET 1 OF 2
345	C706	UTILITY RELOCATION - STATIONS 207+00 TO 209+00 - SHEET 2 OF 2
		VOLUME 6 OF 6
		TRAFFIC
346	T100	TRAFFIC - KEY MAP
347	T101	TRAFFIC - DETOUR PLAN
348	T102	TRAFFIC - DETOUR PLAN
349	T103	TRAFFIC - DETOUR PLAN
350	T104	TRAFFIC - DETOUR PLAN
351	T105	TRAFFIC - DETOUR PLAN
352	T106	TRAFFIC - DETOUR PLAN
353	T107	TRAFFIC - DETOUR PLAN
354	T108	TRAFFIC - DETOUR PLAN
355	T109	TRAFFIC - DETOUR PLAN
356	T110	TRAFFIC - DETOUR PLAN

DRAWINGS NOT INCLUDED IN THE LAND USE SET HAVE BEEN SHADED RED, BUT HAVE BEEN LEFT ON THE INDEX TO PROVIDE CONTEXT FOR DRAWING CROSS-REFERENCES.

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

DRAWING INDEX
SHEET 2 OF 3

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G003
SHT NO / TOTAL	002 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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PLOTTED BY: D'Aurio, Isaac

DRAWING INDEX (CONT.)

SHT NO	DWG NO	SHEET TITLE
357	T111	TRAFFIC - DETOUR PLAN
358	T112	TRAFFIC - DETOUR PLAN
359	T113	TRAFFIC - DETOUR PLAN
360	T114	TRAFFIC - DETOUR PLAN
361	T115	TRAFFIC - DETOUR PLAN
362	T116	TRAFFIC - DETOUR PLAN
363	T117	TRAFFIC - DETOUR PLAN
		MECHANICAL
364	M001	MECHANICAL ABBREVIATIONS
365	M002	FOUL AIR FLOW
366	M003	MECHANICAL DETAILS - SHEET 1 OF 3
367	M004	MECHANICAL DETAILS - SHEET 2 OF 3
368	M005	MECHANICAL DETAILS - SHEET 3 OF 3
369	M101	90TH PLACE SE - ODOR CONTROL UNIT - PLAN AND SECTIONS
370	M201	SE 35TH PL. & E. MERCER WAY - ODOR CONTROL UNIT - PLAN AND SECTIONS
371	M301	ENATAI BEACH PARK - ODOR CONTROL UNIT - PLAN AND SECTIONS
		ELECTRICAL
372	E001	ELECTRICAL SYMBOLS
373	E002	ELECTRICAL - ABBREVIATIONS, NOTES, AND - LUMINAIRE SCHEDULE
374	E003	ELECTRICAL - DETAILS
375	E004	ELECTRICAL - DETAILS
376	E101	90TH PLACE SE - ODOR CONTROL UNIT - ELEC PLAN/ONE LINE/CALCS
377	E102	90TH PLACE SE - ODOR CONTROL UNIT - ELEC ENLARGED PLAN/DETAILS
378	E201	SE 35TH PL. & E. MERCER WAY - ODOR CONTROL UNIT - ELEC PLAN/ONE LINE/CALCS
379	E202	SE 35TH PL. & E. MERCER WAY - ODOR CONTROL UNIT - ELARGED PLAN/DETAILS
380	E301	ENATAI BEACH PARK - ODOR CONTROL UNIT - SITE PLAN/ENLARGED SITE PLAN
381	E302	ENATAI BEACH PARK - ODOR CONTROL UNIT - ELEC ONE LINE
382	E303	ENATAI BEACH PARK - ODOR CONTROL UNIT - ELEC ENLARGED PLAN/DETAILS
		PROCESS AND INSTRUMENTATION
383	P001	PROCESS AND - INSTRUMENTATION LEGEND
384	P002	PROCESS EQUIPMENT - SYMBOLS LEGEND - SHEET 1 OF 2
385	P003	PROCESS EQUIPMENT - SYMBOLS LEGEND - SHEET 2 OF 2
386	P101	90TH PLACE SE - ODOR CONTROL UNIT - P&ID
387	P201	SE 35TH PL. & E. MERCER WAY - ODOR CONTROL UNIT - P&ID
388	P301	ENATAI BEACH PARK - ODOR CONTROL UNIT - P&ID
389	I001	INSTRUMENTATION LEGEND
390	I002	ODOR CONTROL - NETWORK DIAGRAM
391	I101	90TH PLACE SE - MEE900102 - EXTERIOR ELEVATION
392	I102	90TH PLACE SE - MEE900102 - INTERIOR ELEVATION
393	I103	90TH PLACE SE - MEE900102 - POWER DIAGRAMS
394	I104	90TH PLACE SE - MEE900102 - WIRING DIAGRAMS
395	I105	90TH PLACE SE - MEE900102 - PLC & MODEM
396	I106	90TH PLACE SE - MEE900102 - PLC I/O DIAGRAMS
397	I107	90TH PLACE SE - MEE900102 - PLC I/O DIAGRAMS
398	I108	90TH PLACE SE - GO/NO-GO PNL900101 - EXTERIOR ELEVATION
399	I201	SE 35TH PL. & E. MERCER WAY - MEE900202 - EXTERIOR ELEVATION
400	I202	SE 35TH PL. & E. MERCER WAY - MEE900202 - INTERIOR ELEVATION
401	I203	SE 35TH PL. & E. MERCER WAY - MEE900202 - POWER DIAGRAMS
402	I204	SE 35TH PL. & E. MERCER WAY - MEE900202 - WIRING DIAGRAMS
403	I205	SE 35TH PL. & E. MERCER WAY - MEE900202 - PLC & MODEM
404	I206	SE 35TH PL. & E. MERCER WAY - MEE900202 - PLC I/O DIAGRAMS
405	I207	SE 35TH PL. & E. MERCER WAY - MEE900202 - PLC I/O DIAGRAMS
406	I208	SE 35TH PL. & E. MERCER WAY - GO/NO-GO PNL900201 - EXTERIOR ELEVATION
407	I301	ENATAI BEACH PARK - MEE900302 - EXTERIOR ELEVATION
408	I302	ENATAI BEACH PARK - MEE900302 - INTERIOR ELEVATION
409	I303	ENATAI BEACH PARK - MEE900302 - POWER DIAGRAMS
410	I304	ENATAI BEACH PARK - MEE900302 - WIRING DIAGRAMS
411	I305	ENATAI BEACH PARK - MEE900302 - PLC & MODEM
412	I306	ENATAI BEACH PARK - MEE900302 - PLC I/O DIAGRAMS
413	I307	ENATAI BEACH PARK - MEE900302 - PLC I/O DIAGRAMS
414	I308	ENATAI BEACH PARK - GO/NO-GO PNL900301 - EXTERIOR ELEVATION
		STRUCTURAL
415	S001	STRUCTURAL - GENERAL NOTES

DRAWING INDEX (CONT.)

SHT NO	DWG NO	SHEET TITLE
416	S002	STRUCTURAL - STANDARD DETAILS
417	S003	SPECIAL INSPECTION - REQUIREMENTS - SHEET 1 OF 3
418	S004	SPECIAL INSPECTION - REQUIREMENTS - SHEET 2 OF 3
419	S005	SPECIAL INSPECTION - REQUIREMENTS - SHEET 3 OF 3
420	S101	90TH PL SE - ODOR CONTROL STRUCTURE - SHEET 1 OF 2
421	S102	90TH PL SE - ODOR CONTROL STRUCTURE - SHEET 2 OF 2
422	S201	EAST CHANNEL SIPHON - INLET STRUCTURE - SHEET 1 OF 2
423	S202	EAST CHANNEL SIPHON - INLET STRUCTURE - SHEET 2 OF 2
424	S203	EAST CHANNEL SIPHON - ROCK CATCHER
425	S204	EAST CHANNEL SIPHON - ODOR CONTROL STRUCTURE - SHEET 1 OF 3
426	S205	EAST CHANNEL SIPHON - ODOR CONTROL STRUCTURE - SHEET 2 OF 3
427	S206	EAST CHANNEL SIPHON - ODOR CONTROL STRUCTURE - SHEET 3 OF 3
428	S207	EAST CHANNEL SIPHON - MAINTENANCE STRUCTURE - SHEET 1 OF 2
429	S208	EAST CHANNEL SIPHON - MAINTENANCE STRUCTURE - SHEET 2 OF 2
430	S209	EAST CHANNEL SIPHON - FLOW DIVERSION STRUCTURE - SHEET 1 OF 3
431	S210	EAST CHANNEL SIPHON - FLOW DIVERSION STRUCTURE - SHEET 2 OF 3
432	S211	EAST CHANNEL SIPHON - FLOW DIVERSION STRUCTURE - SHEET 3 OF 3
433	S301	ENATAI SIPHON - INLET STRUCTURE - SHEET 1 OF 2
434	S302	ENATAI SIPHON - INLET STRUCTURE - SHEET 2 OF 2
435	S303	ENATAI BEACH PARK - ODOR CONTROL STRUCTURE - SHEET 1 OF 2
436	S304	ENATAI BEACH PARK - ODOR CONTROL STRUCTURE - SHEET 2 OF 2
437	S305	ENATAI SIPHON - OUTLET STRUCTURE - SHEET 1 OF 2
438	S306	ENATAI SIPHON - OUTLET STRUCTURE - SHEET 2 OF 2

DRAWINGS NOT INCLUDED IN THE LAND USE SET HAVE BEEN SHADED RED, BUT HAVE BEEN LEFT ON THE INDEX TO PROVIDE CONTEXT FOR DRAWING CROSS-REFERENCES.

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

DRAWING INDEX
SHEET 3 OF 3

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G004
SHT NO / TOTAL	003 / 438
REV NO:	

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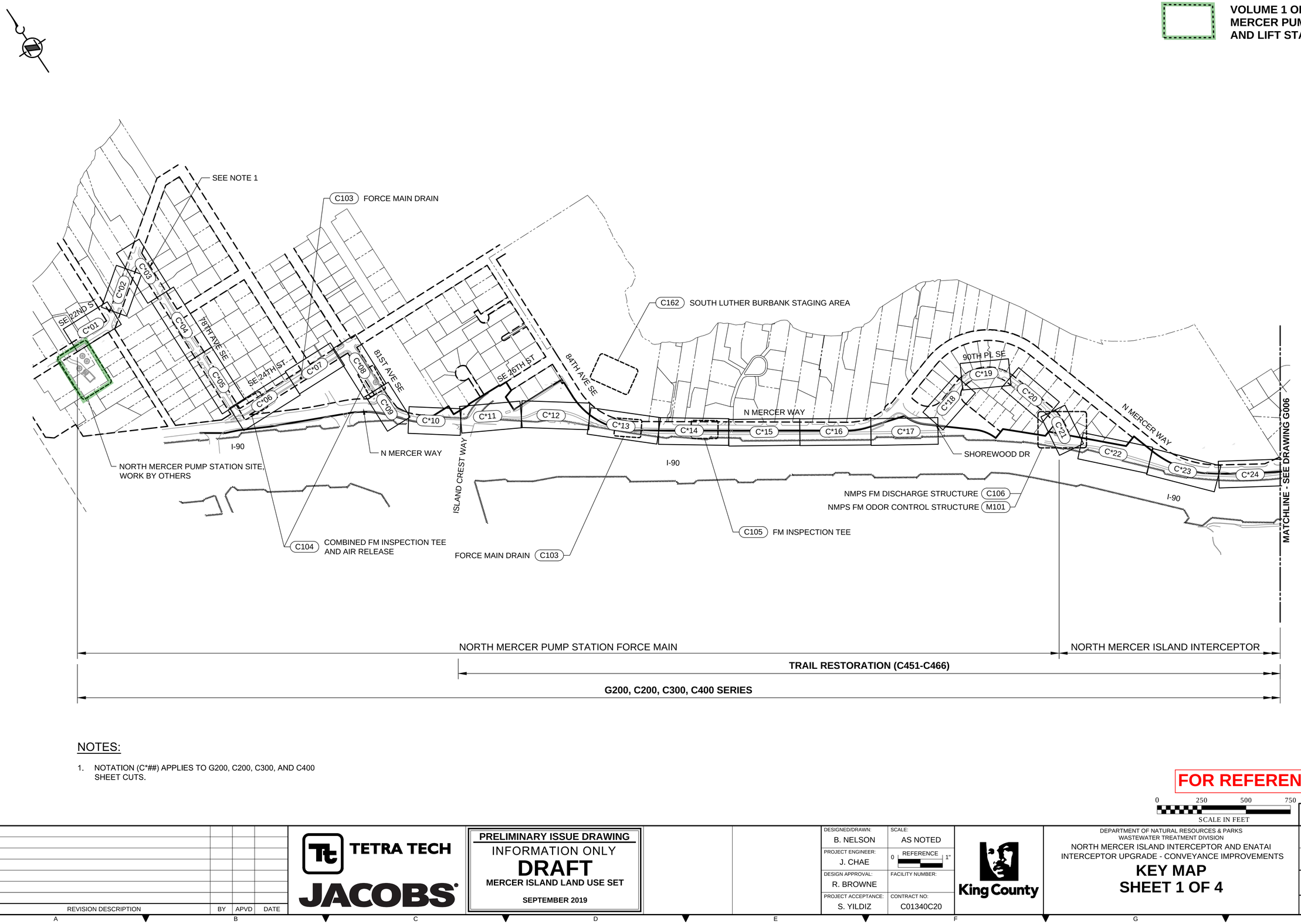
PLOTTED BY: DAurio, Isaac



NOTES:

1. NOTATION (C*##) APPLIES TO G200, C200, C300, AND C400 SHEET CUTS.

FOR REFERENCE ONLY

0 250 500 750
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
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DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
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King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
KEY MAP
SHEET 1 OF 4

DCN:	TBD
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PROJECT FILE NO:	TBD
DRAWING NO:	G005
SHT NO / TOTAL	005 / 438
REV NO:	

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PLOT DATE: 9/16/2019 1:34 PM
PLOTTED BY: Nelson, Ben

VOLUME 1 OF 2, NORTH MERCER PUMP STATION AND LIFT STATION 11

MATCHLINE - SEE DRAWING G005

SEE NOTE 1

MERCER ISLAND LIFT STATION 11 AND FORCE MAIN WORK BY OTHERS

SE 35TH ST

SE 34TH ST

96TH AVE SE

97TH AVE SE

C*25 C*26 C*27 C*28 C*29 C*30 C*31 C*32 C*33 C*34 C*35 C*36 C*37 C*38

I-90

SE 35TH PL

MERCER WAY

96TH AVE SE SIPHON AND ODOR CONTROL
C111 C116 C117 C118

EAST CHANNEL ROCK CATCHER C121
EAST CHANNEL SIPHON INLET C122
EAST CHANNEL SIPHON ODOR CONTROL M201

C125 EAST CHANNEL SIPHON MAINTENANCE STRUCTURE
C133 MERCER ISLAND BOAT LAUNCH SHORELINE RESTORATION

ENATAI BEACH PARK
ENATAI SIPHON INLET STRUCTURE C146
FLOW DIVERSION STRUCTURE C145
SHORELINE RESTORATION C143
ODOR CONTROL UNIT M301
WORK LIMITS AND SITE PREP C135
GRADING PLAN & DRAINAGE PLAN C138
SITE PLAN C137
SITE RESTORATION PLAN C139

I-90 EAST CHANNEL BRIDGE

C131 MERCER ISLAND BOAT LAUNCH WORKING LIMITS AND STAGING AREA

C161 WSDOT ROW STAGING AREA

106TH AVE SE

108TH AVE SE

109TH AVE SE

110TH AVE SE

111TH AVE SE

112TH AVE SE

BELLEVUE WAY SE

ENATAI SIPHON (HDD)
C500 SERIES
SEE DRAWING G007 FOR KEY MAP

C154 ENATAI SIPHON OUTLET
C151 SWEYOLOCKEN WORKING LIMITS AND STAGING AREA
C155 SITE RESTORATION PLAN

ENATAI INTERCEPTOR REHABILITATION
C600 SERIES
SEE SHEET G008 FOR KEY MAP

NORTH MERCER ISLAND INTERCEPTOR

EAST CHANNEL SIPHON

ENATAI BEACH PARK

TRAIL RESTORATION (C451 - C466)

G200, C200, C300, C400 SERIES

NOTES:

1. NOTATION (C*##) APPLIES TO G200, C200, C300, AND C400 SHEET CUTS.

FOR REFERENCE ONLY

0 250 500 750
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

KEY MAP
SHEET 2 OF 4

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G006
SHT NO / TOTAL	006 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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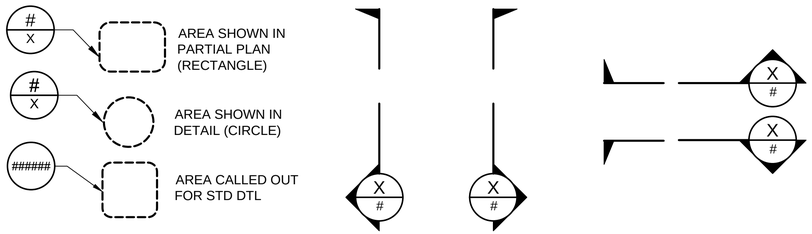
PLOT DATE: 9/16/2019 1:35 PM
PLOTTED BY: Nelson, Ben

TYPICAL STANDARD REFERENCING



SECTION AND DETAIL REFERENCING

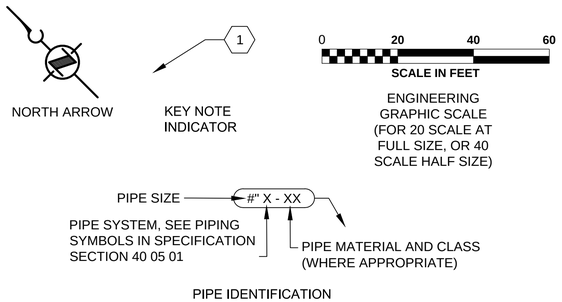
MATERIAL SYMBOLS

- PRECAST CONCRETE IN SECTION
- CONCRETE MASONRY UNIT
- GRATING (SPAN IS IN DIRECTION OF MORE CLOSELY SPACED BARS)
- GRATING (TWO WAY SPAN)
- GRATING OR AC PAVEMENT IN SECTION
- PERVIOUS CONCRETE PAVEMENT IN SECTION
- RIGID INSULATION
- BATT OR FILL INSULATION
- CHECKERED PLATE

LINETYPE SYMBOLS

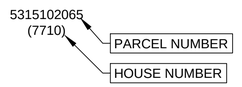
- CENTERLINE
- MATCHLINE
- INVISIBLE OR HIDDEN LINE
- BREAKLINE
- GRID LINE (A)
- BUILDING LIMITS
- STATION LINE (1+00)

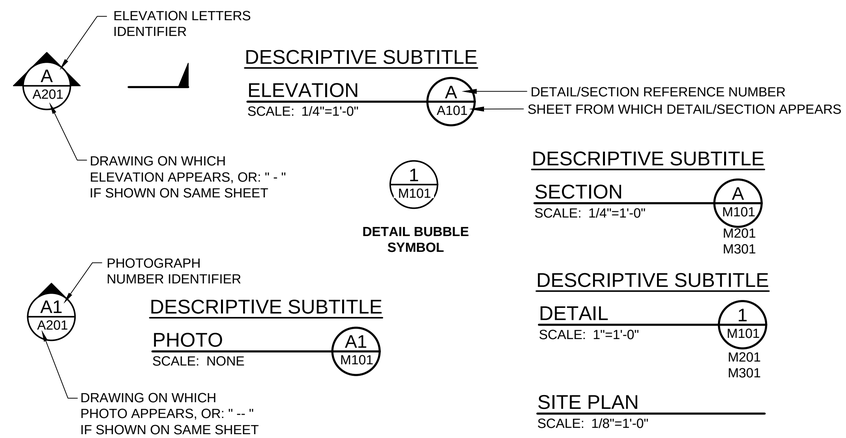
GENERAL SYMBOLS



PARCEL & HOUSE NUMBER REFERENCES

PARCEL AND HOUSE NUMBERS ARE SHOWN ON THE DRAWING AS DEFINED BELOW:





SECTION, DETAIL, AND ELEVATION REFERENCING

FOR REFERENCE ONLY

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PRELIMINARY ISSUE DRAWING
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DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

GENERAL SYMBOLS AND REFERENCING

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
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REV NO:	

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DEMOLITION SYMBOLS

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING STRUCTURE TO BE REMOVED
- ABANDON PIPE
- REMOVE PIPE
- TEMPORARY JERSEY BARRIER
- EXISTING GRAVEL/ VEGETATION/LANDSCAPING TO BE REMOVED
- EXISTING ROCK WALL TO BE REMOVED
- EXISTING STRUCTURE ABANDON IN PLACE
- TREE REMOVAL
- TREE PROTECTION

CIVIL LINE DESIGNATIONS

- EXISTING CONTOUR (125)
- PROPOSED CONTOUR (125)
- EXISTING EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT (TCE)
- PERMANENT EASEMENT (PE)
- ROADWAY CENTERLINE
- EXISTING ORDINARY HIGH WATER MARK
- ROCK WALL
- FENCE
- SEGMENTED BLOCK WALL
- HIGH VISIBILITY FENCE (HVF)
- EXISTING RETAINING WALL
- WORK LIMITS
- SCREENING WALL
- GUARD RAIL
- STRAW BALES (SB)
- SILT FENCE (SF)
- STRAW WATTLE (SW)
- CITY ROW
- WSDOT ROW
- WSDOT LIMITED ACCESS ROW
- PROPERTY LINE
- 57+00 ALIGNMENT STATIONING

MATERIAL SYMBOLS

- CAST-IN-PLACE CONCRETE
- CONTROL DENSITY FILL
- MORTAR, GROUT, SAND OR PLASTER
- QUARRY SPALLS OR RIPRAP OR FOUNDATION
- BACKFILL
- STEEL OR STAINLESS STEEL
- PERVIOUS CONCRETE PAVEMENT IN SECTION
- SLIDE GATE OPENING AND DESIGNATION
- CONSTRUCTION ACCESS ROAD
- EROSION CONTROL BLANKET
- CIVIL GRADING (SLOPE INDICATED)
- EXISTING PAVEMENT
- RETAINING WALL
- WETLAND
- ROCK DRAINAGE DITCH
- GRASS-LINED CHANNEL
- PIPE BEDDING
- STAGING AREA
- NATURAL GROUND OR GRADE (EARTH)
- COMPOST COVER
- COMPOST SOCK

CIVIL SYMBOLS

EXISTING	PROPOSED	
		TYPE 1 CATCH BASIN
		TYPE 2 CATCH BASIN
		STORM DRAIN MH
		YARD DRAIN GRATED LID
		YARD DRAIN SOLID LID
		STORM DRAIN CLEANOUT
		CATCH BASIN PROTECTION
		CULVERT OPENING
		CULVERT
		COUNTY SSWR MH
		CITY SSWR MH
		WATER PIPE FITTING/BEND
		FLEXIBLE COUPLING
		ABANDON & PLUG PIPE
		THRUST BLOCK
	FLOW	FLOW DIRECTION ARROW
		FIRE HYDRANT
		FIRE DEPARTMENT CONNECTION
		WATER METER
		PLUG VALVE AND VALVE BOX
		BALL VALVE
		VALVE
ICB		IRRIGATION CONTROL BOX
ICV		IRRIGATION CONTROL VALVE
		PRESSURE RELIEF VALVE
SSCO		SEWER CLEANOUT
GM		GAS METER
		GAS VALVE
		SIGNS AND/OR POSTS
		DECIDUOUS TREE
		CONIFEROUS TREE
		BRUSH OR TREE LINE

EXISTING	PROPOSED	
	XXX / XXX / XXX	FINISH GRADE ELEVATION
		TOP OF CURB (OR WALL) ELEVATION BOTTOM OF CURB (OR WALL) ELEVATION
		SLOPE
		WATER SURFACE LEVEL
W		WATER MANHOLE
W		WATER VAULT
W		WATER BLOWOFF
		WATER HOSE BIBS
		POWER POLE
		POWER POLE WITH ANCHOR
		GUY/UTILITY POLE
		YARD/GROUND LIGHT
		ANCHOR
		LIGHT POLE
JB		POWER PULL BOX
P		POWER RISER
		POWER METER
P		POWER MANHOLE
		POWER CABINET
HH	HH	HANDHOLE
P		POWER VAULT
TEL		COM RISER
T		COM MANHOLE
		COM CABINET
T	T	COM VAULT
		TRANSFORMER
		GROUNDING ROD
		SECTION CORNER
		QUARTER SECTION CORNER
		TRAFFIC DIRECTION ARROW
		TRAFFIC TURN ARROW
		CENTERLINE

EXISTING	PROPOSED	
		PROPERTY LINE
		FOUND REBAR WITH CAP
		ROW BENCHMARK
	13501	TREE IDENTIFICATION TAG
	XXXXXX	EQUIPMENT TAG
		MAILBOX CLUSTER
	NME-X	SOIL BORING & DESIGNATION
COVER / POTHOLE NO. / APS SWR #99, 4", 66", 70" / UTILITY TYPE / PIPE DIAM / DEPTH TO IE		UTILITY POTHOLE BORING
W		MONITORING WELL
###		SURVEY CONTROL POINT
	###	HORIZONTAL AND VERTICAL CONTROL POINT
	XXX.XX	SPOT ELEVATION
		WETLAND/OHW FLAG
PRV	PRV	PRESSURE REDUCING VALVE
	LDS	CHEMICAL LEAK DETECTION STATION
	DCVA	DETECTOR CHECK VALVE ASSEMBLY
	RPBA	REVERSE PRESSURE BACKFLOW ASSEMBLY
		TRAFFIC SIGNAL POLE
		TRAFFIC SIGNAL POLE WITH LUMINAIRE
		TRAFFIC SIGNAL VAULT
		TRAFFIC SIGNAL CABINET
TR		TRAFFIC SIGNAL PULL BOX
		TRAFFIC SIGNAL LOOP
		BOLLARD
		ROCK/BOULDER
		RECOMMENDED TREE LIMIT OF DISTURBANCE. SEE EXISTING TREE INVENTORY DWGS FOR MORE INFORMATION.

SITE RESTORATION SYMBOLS

- MIX A
- MIX B
- MIX C
- MIX D
- MIX E
- MIX F
- MIX G
- MIX H
- FULL DEPTH PAVEMENT REPLACEMENT
- NEW CEMENT CONCRETE PAVEMENT
- NEW HMA PAVEMENT / SIDEWALK
- CRUSHED GRAVEL
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT
- HMA PLANING & OVERLAY
- CONCRETE PANEL SIDEWALK, CURB AND/OR GUTTER REPLACEMENT
- HYDROSEEDING
- LAWN SEED
- SOD
- BARK OR WOOD CHIP MULCH
- TREES, SHRUBS AND GROUNDCOVER
- MISC PRIVATE HARDSCAPE
- BEACHFRONT RESTORATION

SETTLEMENT MONITORING POINTS

- SSP STRUCTURE SETTLEMENT POINT
- SP SURFACE SETTLEMENT POINT
- SMP SLOPE MONITORING POINT
- NSSP NEAR SURFACE SETTLEMENT PIPE
- VMS VIBRATION MONITORING STATION
- USP UTILITY SETTLEMENT POINT

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MERCER ISLAND LAND USE SET
SEPTEMBER 2019

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King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
CIVIL
SYMBOLS AND LEGENDS

DCN:	TBD
DATE:	9/23/2019
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REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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GENERAL ABBREVIATIONS

A	AMPERE
ABND	ABANDON
AC	ASBESTOS CEMENT, ASPHALTIC CONCRETE, ACOUSTIC
A/C	AIR CONDITIONING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
ACC	AREA CONTROL CENTER
ACOU	ACOUSTIC
ACP	ASBESTOS CEMENT PIPE
ADD	ADDITION(AL)
ADF	AVERAGE DESIGN FLOW (AVERAGE DAY, PEAK MONTH)
ADPT	ADAPTER
AF	AIR FILTER
AGG	AGGREGATE
AGGR	AGGREGATE
AH	AHEAD
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMB	AMBIENT
AMD	AIR MONITORING DEVICE
ANC	ANCHOR
ANOD	ANODIZED
AP	ANCHOR POINT
APPX	APPROXIMATE(LY)
AR	AIR RETURN
ARCH	ARCHITECTURAL
AS	AIR SUPPLY, ANGLE STRUCTURE
ASPH	ASPHALT
ASSY	ASSEMBLY
AUTO	AUTOMATIC
AV	ANGLE VALVE
AVE	AVENUE
B	BOTTOM
BAC	BACTERIOLOGICAL
BBE	BEVEL BOTH ENDS
BC	BIOFILTER CIRCULATION
BCOP	BARE COPPER
BCR	BEGINNING OF CURVE CENTER
BD	BOARD
BF	BLIND FLANGE
BGAT	BOOLEAN GATE
BHP	BRAKE HORSEPOWER
BK	BACK
BKR	BREAKER
BLE	BEVEL LARGE END
BLDG	BUILDING
BLK	BLOCK
BM	BEAM, BENCHMARK
BMP	BEST MANAGEMENT PRACTICE
BO	BLOW OFF
BOD5	BIOCHEMICAL OXYGEN DEMAND, 5 DAY
BOP	BOTTOM OF PIPE, BACK OF PIPE
BOT	BOTTOM
BP	BEGINNING POINT
BRDG	BRIDGING
BRG	BEARING
BRK	BREAK
BRZ	BRONZE
BSN	BAR SCREEN
BULKHDS	BULKHEADS
BUV	BUTTERFLY VALVE
BV	BALL VALVE
C	CONDUIT, CRANE
CAB	DIRECT BURIAL CABLE, CABINET
CAF	COMBUSTION AIR FAN
CAP	CAPACITY
CB	CATCH BASIN
CBOD5	CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND, 5 DAY
CC	COOLING COIL
C/C	CENTER TO CENTER
CCP	CONCRETE CYLINDER PIPE
CCSP	CONCRETE LINED AND COATED STEEL
CD	PIPE CEILING DIFFUSER, CHEMICAL DRAIN
CDF	CONTROLED DENSITY FILL
CDR	CONDUCTOR
CDU	CONDENSING UNIT
CED	CEILING EXHAUST DIFFUSER
CER	CEILING EXHAUST REGISTER
CF	CUBIC FEET
CFG	CENTRIFUGE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFR	CODE OF FEDERAL REGULATIONS
CFS	CUBIC FEET PER SECOND
CH	CHANNEL
CHR	CHILLER
CI	CAST IRON
CIP	CAST IRON PIPE, CAST IN PLACE
CJ	CONSTRUCTION JOINT
CK	CHECKER(ED)
CKPL	CHECKER PLATE
C/L	CENTERLINE
CL	CLASS, CLEAR, CLEARANCE, CONDENSATE-LOW PRESSURE
CLG	CEILING, CHLORINE GAS
CLK	CLOCK
CLR	CLEAR
CM	MANUAL CONTROL STATION, CONDENSATE, MEDIUM PRESSURE
CMA	MANUAL-AUTO CONTROL STATION
CMC	CEMENT MORTAR COATED
CML	CEMENT MORTAR LINED
CMP	CORRUGATED METAL PIPE
CMPA	ASBESTOS PROTECTED CORRUGATED METAL PIPE
CMPD	COMPOUND
CMU	CONCRETE MASONRY UNIT
CND	CONDUIT
CNTL	CONTROL
CO	CLEANOUT
CO 2	CARBON DIOXIDE
COD	CHEMICAL OXYGEN DEMAND
COF	COOLING AIR FAN
COL	COLUMN, COLLECTION
COM	COMMINUTOR, COMPACTOR
COMI	CITY OF MERCER ISLAND
COMPT	COMPARTMENT
CON	CONVEYOR, CONNECTION
CONC	CONCRETE, CONCENTRIC
COND	CONDUCTOR, CONDENSATE, CONDITIONING
CONF	CONFERENCE
CONN	CONNECTION
CONT	CONTINUOUS, CONTINUATION
CONTD	CONTINUED
CONST	CONSTRUCTION
CP	COMPRESSOR, CENTER POINT, CONCRETE PIPE
CPLG	COUPLING
CPVC	CHLORINATED POLYVINYL CHLORIDE
CR	CONDUIT RACK
CRF	CHEMICAL FEEDER
CREJ	CORRUGATED RUBBER EXPANSION JOINT
CSD	CEILING SUPPLY DIFFUSER
CT	CERAMIC TILE
CTRL	CONTROL
CU	CONTROL UNIT, COPPER, CUBIC
CULV	CULVERT
CV	CONTROL VALVE
C/W	COMPLETE WITH
CW	COIR WATTLE, COLD WATER (POTABLE)
CY	CUBIC YARD
D	DRYER, DEEP, DRAIN
DB	DUCT BANK, DOWEL BAR
DCS	DISTRIBUTED CONTROL SYSTEM
DE	DENSITY METER
DEC	DECREASING
DEG	DEGREE
DEMO	DEMOLISH
DET	DETAIL
DF	DRINKING FOUNTAIN
DFD	DUCT FIRE DAMPER
DI	DUCTILE IRON
DIAG	DIAGRAM
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DIR	DIRECTION
DIS	DISPENSER
DISCH	DISCHARGE
DM	DAMPER MOTOR
DN	DOWN
DNR	DEPARTMENT OF NATURAL RESOURCES
DO	DISSOLVED OXYGEN, DITTO
DR	DRAIN ROCK, DRAINAGE, DOOR,DRIVE
DRG	DEGRATING
DT	DRIP TRAP, DRY TONS
DWF	DRY WEATHER FLOW
DWG(S)	DRAWING(S)
DWL(S)	DOWEL(S)
E	EAST, EMERGENCY
EA	EXHAUST AIR, EACH
EAT	ENTERING AIR TEMPERATURE
EAU	ENGINE ALTERNATOR UNIT
EC	END OF CURVE
ECC	ECCENTRIC
ED	EXTRACTOR DAMPER, EQUIPMENT DRAIN
EE	EACH END, ENGINE EXHAUST
EF	EACH FACE,EXHAUST FAN
EFF	EFFLUENT
EG	EXHAUST GRILLE, EMERGENCY GENERATOR
EJ	EXPANSION JOINT
EL, ELEV	ELEVATION, EXHAUST LOUVER
ELECT	ELECTRICAL
ELL	ELBOW
EMBD	EMBEDDED
EOL	ELBOLET
EOP	END OF PIPE, EDGE OF PAVEMENT
E/P	ELECTRIC/PNEUMATIC
EP	ENDING POINT
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPR	EVAPORATOR
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	EXISTING SURFACE, EQUALIZED SLUDGE
ESMT	EASEMENT
EW	EACH WAY
EWEF	EACH WAY EACH FACE
EWT	ENTERING WATER TEMPERATURE
EWT&B	EACH WAY TOP AND BOTTOM
EX	EXTRA
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION, EXPOSED
EXT	EXTERIOR
F	FAHRENHEIT, FACE, FUSE(D), FAN, FLOAT
FA	FOUL AIR
FAB	FABRICATE(D), FABRICATION
FAI	FRESH AIR INTAKE
FB	FLAT BAR, FLOOR BEAM
FC	FAIL CLOSED
FCL	FREE CHLORINE
FCO	FLOOR CLEANOUT
FCR	FINE CRUSHED ROCK
FD	FLOOR DRAIN, FOUNDATION DRAIN
FDC	FLEXIBLE DUCT CONNECTOR
FDR	FEEDER
FE	FLOWMETER
FF	FLAT FACE, FINISH FLOOR
F/F	FACE TO FACE
FG	FINISHED GRADE
FH	FIRE HYDRANT,FLATHEAD
FHD	FLATHEAD
FIN	FINISHED
FL	FLOOR, FLOW LINE, FLANGE
FLC	FLOCCULATOR
FLEX	FLEXIBLE
FLG('D)	FLANGE(D), FLAP GATE
FLP	FLUID POWER UNIT
FLR	FLOOR
FLT	FILTER, FILTRATE
FM	FORCE MAIN
FMH	FLEXIBLE METAL HOSE
FMX	FLASH MIXER
FND	FOUNDATION
FO	FIBER OPTIC, FAIL OPEN
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FP	FILTER PRESS, FIRE PROTECTION
FPC	FLEXIBLE PIPE COUPLING
FPC-T	FPC TO TAKE TENSION
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FR	FRAME
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FAR SIDE, FLOW SWITCH, FIRESTAT, FLOTATION SLUDGE
FT	FLASH TANK, FEET
FTG	FOOTING
FURRG	FURRING
FUT	FUTURE
FZS	FREEZESTAT
G	GAS, ACTUATED GATE, GUTTER ELEVATION
GA	GAGE, GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK, GRADE BEAM
GBV	GLOBE VALVE
GD	GUARD
GDR	GRINDER
GEN,GEN'L	GENERAL
GFI	GROUND FAULT INTERRUPTER
GI	GALVANIZED IRON
GIS	GEOGRAPHIC INFORMATION SYSTEM
GL	GLASS
GND	GROUND
GPD	GALLONS PER DAY
GPM	GALLONS PER MINUTE
GRD	GRADE
GRT	GROUT
GRTG	GRATING
GSKT	GASKET
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GWT	GROUND WATER TABLE
GYP	GYPSUM
H	HIGH, HORIZONTAL, HOIST
H/A	HAND AUTO
HARDBD	HARDBOARD
HC	HEATING COIL, HANDICAP
HD	HEAVY DUTY
HDOT	HEAVY DUTY OILTIGHT
HDPE	HIGH DENSITY POLYETHYLENE
HDR	HEADER
HDWR	HARDWARE
HEX	HEXAGONAL, HEAT EXCHANGER
HG	MERCURY, HAND GRADE
HGL	HYDRAULIC GRADE LINE
HH	HANDHOLE
HHV	HEAT HOSE VALVE
HM	HOLLOW METAL
HOA	HAND-OFF-AUTO
HOR,HORIZ	HORIZONTAL
HP	HIGH PRESSURE, HIGH POINT, HORSEPOWER
HPEL	HIGHPOINT ELEVATION
HR	HANDRAIL, HEAT RESERVOIR, HOUR
HRB	HEAT RESERVOIR FLOW
HRS	HOURS, HEAT RESERVOIR SUPPLY
HRF	HEAT RESERVOIR FLOW
HSS	HIGH SIGNAL SELECT
HT	HEIGHT, HEAT TRACER TAPE
HTL	HALF TIDE LEVEL
HTR	HEATER
HTV	HIGH TEMPERATURE VENT
HV	HAND VALVE
H/V	HEATING AND VENTILATING
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HVF	HIGH VISIBILITY FENCE
HWTR	HIGH WATER
HYD	HYDRAULIC
HYDT	HYDRANT
IBC	INTERNATIONAL BUILDING CODE
ICN	INCINERATOR
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IF	INSIDE FACE
IHL	INNER HARBOR LINE (LINE OF NAVIGABILITY)
IL	INDICATING LAMP, INSTRUMENT LOOP
INF	INFLUENT
INSUL	INSULATE(D), INSULATION
INST	INSTANTANEOUS
INT	INTERIOR, INTERSECTION
INTER	INTERMEDIATE
INTLK	INTERLOCK
INV	INVERT, INVERT ELEVATION
INV EL	INVERT ELEVATION
I/O	INPUT/OUTPUT
IRRIG	IRRIGATION
ISO	ISOMETRIC
IT	INSTRUMENT TAP
JB	JUNCTION BOX
JCT	JUNCTION
JST	JOIST
JT(S)	JOINT(S)
K	KIP (1,000 POUNDS)
KD	KNOCK OUT
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVAR
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE, LATERAL, LATITUDE
LB(S)	POUND(S)
LEL	LOWER EXPLOSIVE LIMIT
LEV	LEVEL
LF	LINEAL FEET
LFBR	LINEAR FEET BASEBOARD
LG	LONG
LH	LEFT HAND
LJ	LAP JOINT
LLV	LONG LEG VERTICAL
LO	LUBRICATING OIL
LOD	LIMITS OF DISTURBANCE
LOS	LOCKOUT STOP
LP	LOW PRESSURE
LPEL	LOW POINT ELEVATION
LS	LIFT STATION, LIMIT SWITCH
LV	LOW VOLTAGE, LOUVER, LABORATORY-VACUUM
LWLWD	LAKE WASHINGTON LOW WATER DEPTH
M	MENS, MOTOR, METER
MA	MILLIAMPERE
MAL	MAINTENANCE
MALL	MALLEABLE
MAN	MANUAL
MAT'L	MATERIAL
MAX	MAXIMUM
MBH	THOUSAND BTUs PER HOUR
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILLS
MCU	MASTER CONTROL UNIT
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MEE	MISCELLANEOUS ELECTRICAL EQUIPMENT
MFR	MANUFACTURER
MG	MILLION GALLONS
MGD	MILLION GALLONS PER DAY
MG/L	MILLIGRAMS PER LITER
MGR	MANAGER
MH	MAINTENANCE HOLE
MHHW	MEAN HIGH HIGH WATER
MI	MALLEABLE IRON
MIE	MISCELLANEOUS INSTRUMENTATION EQUIPMENT
MILSPC	MILITARY SPECIFICATION
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
ML	MILLILITER, MIXED LIQUOR
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
MME	MISCELLANEOUS MECHANICAL EQUIPMENT
MO	MOTOR OPERATOR, MASONRY OPENING
MOD	MODULUS
MON	MONUMENT
MPH	MILES PER HOUR
MTL	METAL
MTR	MOTOR
MUL/DIV	MULTIPLY/DIVIDE
MV	MUD VALVE, MILLIVOLT
MXR	MIXER
N	NEUTRAL, NORTH
NA	NONAUTOMATIC, NOT APPLICABLE
NaOH	SODIUM HYDROXIDE
NC	NORMALLY CLOSED
NE	NORTHEAST
NEC	NECESSARY
NEG	NEGATIVE
NF	NONFUSED
NIC	NOT IN CONTRACT
NMPS	NORTH MERCER PUMP STATION
NO	NORMALLY OPEN, NUMBER
NOM	NOMINAL
NPSH	NET POSITIVE SUCTION HEAD
NPT	NATIONAL PIPE THREAD
NS	NEAR SIDE
NSSP	NEAR SURFACE SETTLEMENT POINT
NST	NO STEEPER THAN
NTS	NOT TO SCALE
NU	NOT USED
NW	NORTHWEST
OA	OVERALL
OAI	OUTSIDE AIR INTAKE
OB	OPPOSED BLADE
OC	ON CENTER
OF	OUTSIDE FACE, OVERFLOW
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
OL	OVERLOAD
O/O	OUT TO OUT
ORF	ODOR REMOVAL FILTER
ORP	OXIDATION REDUCTION POTENTIAL
ORT	ODOR REMOVAL TOWER
OSA	OUTSIDE AIR
OSC	ODOR SCRUBBER
OVE	OVERHEAD ELECTRICAL
OXY	OXYGEN
P	PUMP, PAVEMENT ELEVATION, PAINT
PAR	PARALLEL, PARAGRAPH
PBE	PLAIN BOTH ENDS
PC	PIPE COUPLING, PRECAST, PIECE, POINT OF CURVATURE
P/C	PLAIN CONCRETE (NO REINFORCING STEEL)
PCC	PLANT CONTROL CENTER, PORTLAND CEMENT CONCRETE
PCHV	PINCH VALVE
PCP	PLAIN CONCRETE PIPE
PCS	PIECES
PC-T	PIPE COUPLING TO TAKE TENSION
PCU	PHOTOELECTRIC CONTROL
PE	PLAIN END, POPULATION EQUIVALENT, PRIMARY EFFLUENT
P/E	PNEUMATIC/ELECTRIC
PEN	PENETRATION
PERF	PERFORATED
PF	POWER FACTOR, PRESSURIZATION FLOW
PG	PRESSURE GAGE
PH	PHASE
PI	POINT OF INTERSECTION
PJF	PREMOLDED JOINT
POC	POINT ON CURVE
POI	PROPORTIONAL PLUS INTEGRAL CONTROL, PRESSURE INDICATOR
PID	PROPORTIONAL PLUS INTEGRAL PLUS DERIVATIVE CONTROL
PK	PEAK
PL	PLATE, PIPELINE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PLCS	PLACES
PLE	PLAIN LARGE END
PLY	PLYWOOD
PLWD	PLYWOOD
PO4	PHOSPHATE
POE	PLAIN ONE END
POP	PNEUMATIC OPERATOR
PP	POWER POLE
PPD	POUNDS PER DAY
PPH	POUNDS PER HOUR
PR	PROJECT REPRESENTATIVE
PRD	PRESSURE RELIEF DAMPER
PRES	PRESSURE
PREFIN	PREFINISHED
PROP	PROPOSED
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REGULATING (REDUCING) (RELIEF) VALVE
PS	PRESSURE SWITCH, PRESSURE SENSOR, PRIMARY SLUDGE
PSE	PLAIN SMALL END, PUGET SOUND ENERGY
PSF	POUNDS PER SQUARE FOOT
PSH	PRESSURE SWITCH HIGH
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAGE
PSL	PIPE SLEEVE, PRESSURE SWITCH LOW
PT	POINT, POINT OF TANGENCY
PV	PLUG VALVE, PROCESS VARIABLE
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVL	PRESSURE VESSEL
PVT	PAVEMENT
Q	RATE OF FLOW
QCPL	QUICK COUPLING
R	RADIUS, RISER
RA	RETURN AIR
RAD	RADIUS
RAF	ROLL TYPE AIR FILTER
R/C	REINFORCED CONCRETE
RCDR	RECORDER
RCP	REINFORCED CONCRETE PIPE
RCR	RECORDER
RD	ROOF DRAIN, ROAD
REC	RECEIVER, RECESSED, RECOMMENDED
RECD	RECEIVED
RECEPT	RECEPTIONIST
RECIRC	RECIRCULATION
RECP	RECEPTACLE
RECT	RECTANGLE, RECTANGULAR
RED	REDUCE(R)
REF	REFERENCE
REG	REGULATOR
REINF	REINFORCED (ING)
REL	RELAY
RELOC	RELOCATION, RELOCATED
REM	REMOVABLE
REQ'D	REQUIRED
RESIL	RESILIENT
RE-STL	REINFORCING STEEL
REV	REVISED(ION)
RF	RAISED FACE
RG	RETURN GRILLE
RGS	RIGID GALVANIZED STEEL
RH	RIGHT HAND
RL	REDUCED LEVEL
RM	ROOM
RND	ROUND
RO	ROUGH OPENINGS
RP	RADIUS POINT
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RT	RIGHT
RTRP	REINFORCED THERMOSET PLASTIC
RTU	REMOTE TERMINAL UNIT
RV	RELIEF VALVE
ROW	RIGHT OF WAY
RWL	RAINWATER LEADER
RWP	RAINWATER PIPE
S	SOUTH, SOLENOID VALVE, SLOPE SILENCER
SA	SUPPLY AIR, SERVICE AIR
SB	STRAW BALE, SIGNAL BOX
SCD	SCRUBBER DRAIN
SCFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SCR'D	SCREWED
SD	SPLITTER DAMPER, SMOKE DETECTOR, STORM DRAIN
SE	SOUTHEAST, SECONDARY EFFLUENT, SPOT ELEVATION
SEC	SECOND, SECTION
SEP	SEPARATOR, SEPTAGE
SF	SQUARE FOOT, SILT FENCE, SUPPLY FILTER
SG	SUPPLY GRILLE, SLUICE GATE
SHT	SHEET
SI	SPEED INCREASER
SIM	SIMILAR
SL	SLOPE
SLG	SLIDE GATE
SMP	SLOPE MONITORING POINT
SN	SCREEN, SUPERNATANT
S02	SULFUR DIOXIDE
SP	SPACE, SET POINT, STATIC PRESSURE, STOP, STAND PIPE
SO	SLIP-ON
SP	SURFACE SETTLEMENT POINT
SPCS	SPACES
SPEC(S)	SPECIFICATION(S)
SPG	SPACING
SPL	SPLICE
SPT	SOUND POWERED TELEPHONE
SR	SPEED REDUCER
SRG	SPLIT-RANGING
SRT	SOLIDS RETENTION TIME
SRV	SAFETY RELIEF VALVE
SS	STAINLESS STEEL, SPEED SELECTOR, SUSPENDED SOLIDS, SECONDARY SLUDGE, SANITARY SEWER
SSC	SOLID STATE CONTROLLER, SECONDARY SCUM
SSFH	STAINLESS STEEL FLAT HEAD
SSFM	SANITARY SEWER FORCE MAIN
SSMH	SANITARY SEWER MAINTENANCE HOLE
SSP	STRUCTURE SETTLEMENT POINT
SST	STAINLESS STEEL
ST	START, STREET, STRUCTURE
STA	STATION, STARTING AIR
STD	STANDARD, STORM DRAIN, STUD
STGA	STARTING AIR
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUB	SUBSTITUTE, SUBSTATION
SUPERV	SUPERVISOR
SUPT	SUPPORT
SURF	SURFACE
SV	SOLENOID VALVE
SVI	SLUDGE VOLUME INDEX
SW	SOUTHWEST, SOCKETWELD, SEAL WATER
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR, SWAGE
SYM	SYMMETRICAL
T	TRAP, TOP, TANGENT, TREAD, TANK, TELEPHONE
TB	TERMINAL BOX, TOP AND BOTTOM
T/B	TOP OF BANK
TBD	TO BE DETERMINED
TBN	TURBINE
T/C	TOP OF CURB
TCL	TOTALLY CLOSED
TCP	TEMPERATURE CONTROL PANEL, TRAFFIC CONTROL PLAN
TD	TIME DELAY RELAY, TANK DRAIN
TE	TOTALLY ENCLOSED,THICKENER EFFLUENT
TEMP	TEMPERED, TEMPORARY
TERR	TERRAZZO
TESCP	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
TFR	TRANSFORMER
TH	THERMOMETER
THD'D	THREADED
THN	THERMOPLASTIC HEAT-RESISTANT NYLON-COATED WIRE
THRESH	THRESHOLD
THRU	THROUGH
TL	TANGENT LENGTH
TLE	THREAD LARGE END
TKN	TOTAL KJEHDAHL NITROGEN
TOA	TEST-OFF-AUTO
TOC	TOP OF CONCRETE (CURB)
TOE	THREADED ONE END
TOG	TOP OF GRATING
TOL	THREDOLET
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TANGENT POINT, TRAP PRIMER
TPD	TONS PER DAY
TPG	TOPPING
TPLX	TRIPLEXED
TPP	TEMPORARY PRESSURE PIPE
TR	TIMING RELAY, STAIR TREAD
TRANS	TRANSFORMER,TRANSFER
TRM	TRANSMITTER
TRN	TRANSDUCER
TRS	TRANSFER SWITCH
TS	TUBE STEEL, TRANSFER SLUDGE, TOTAL
TSE	SOLIDS THREADED SMALL END
TSS	TOTAL SUSPENDED SOLIDS
TV	THERMOSTATIC VALVE
TW	THERMOWELL
TYP	TYPICAL
U	UNIFORM BUILDING CODE
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRICAL
UGT	UNDERGROUND TELECOMMUNICATIONS
UH	UNIT HEATER
UL	ULTIMATE LOAD
UON	UNLESS OTHERWISE NOTED
U/P	UTILITY POLE
UPS	UNINTERRUPTIBLE POWER SUPPLY
US	UTILITY STATION
U/S	UNDERSIDE
USP	UTILITY SETTLEMENT POINT
USS	UNIT SUBSTATION
UTIL	UTILITIES
V	VALVE, VENT, VOLTS, VERTICAL, VAULT
VAC	VACUUM, VOLTS ALTERNATING CURRENT
VAR	VARIES, VARIABLE
VB	VALVE BOX
VC	VERTICAL CURVE, CHEMICAL VENT
VCP	VITRIFIED CLAY PIPE
VD	VOLUME DAMPER
VDC	VOLTS DIRECT CURRENT
VERT(S)	VERTICAL(S)
VMS	VIBRATION MONITORING STATION
VP	VAPOR PRESSURE, VACUUM PUMP, PETROLEUM VENT
VPI	VERTICAL POINT OF INTERSECTION
VSC	VARIABLE SPEED COUPLING
VTR	VENT THROUGH ROOF
VV	VARIABLE VOLUME BOX
W	WEST, WIDE, WOOD, WOMENS,
W/	WASHER, WEST, WATER, WASTE, WITH
WAC	WASHINGTON ADMINISTRATIVE CODE
WAS	WASTE ACTIVATED SLUDGE
WC	WATER COLUMN
WCO	WALL CLEANOUT
WEG	WALL EXHAUST GRILLE
WER	WALL EXHAUST REGISTER
WF	WIDE FLANGE
WG	WASTE GAS, WATER GAGE
WI	WROUGHT IRON
WL	WATER LINE
WM	WATER METER, WATER MAIN
W/O	WITHOUT
WOL	WELDOLET
WP	WORKING POINT
WPJ	WEAKENED PLANE JOINT
WN	WELD NECK
WNG	WASHINGTON NATURAL GAS
WR	WASHROOM
WS	WATER SURFACE, WATER STOP
WSP	WELDED STEEL PIPE
WSR	WALL SUPPLY REGISTER, WASHER
WSTP	WATERSTOP
WT	WATERTIGHT, WEIGHT
WWF	WELDED WIRE FABRIC, WET WEATHER FLOW
X	SPARE CONDUIT (SUFFIX LETTER), TIMES
XDCR	TRANSDUCER
XFMR	POWER TRANSFORMER
XMTR	TRANSMITTER
XLP	CROSS LINKED POLYETHYLENE
XP	EXPLOSION PROOF
YCO	YARD CLEANOUT
YR	YEAR
ZS	POSITION SWITCH
#	NUMBER, POUNDS
&	AND
@	AT
Ø	DIAMETER, PHASE
Δ	ANGLE OF DEFLECTION
%	PERCENT

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
ABBREVIATIONS

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G011
SHT NO / TOTAL	011 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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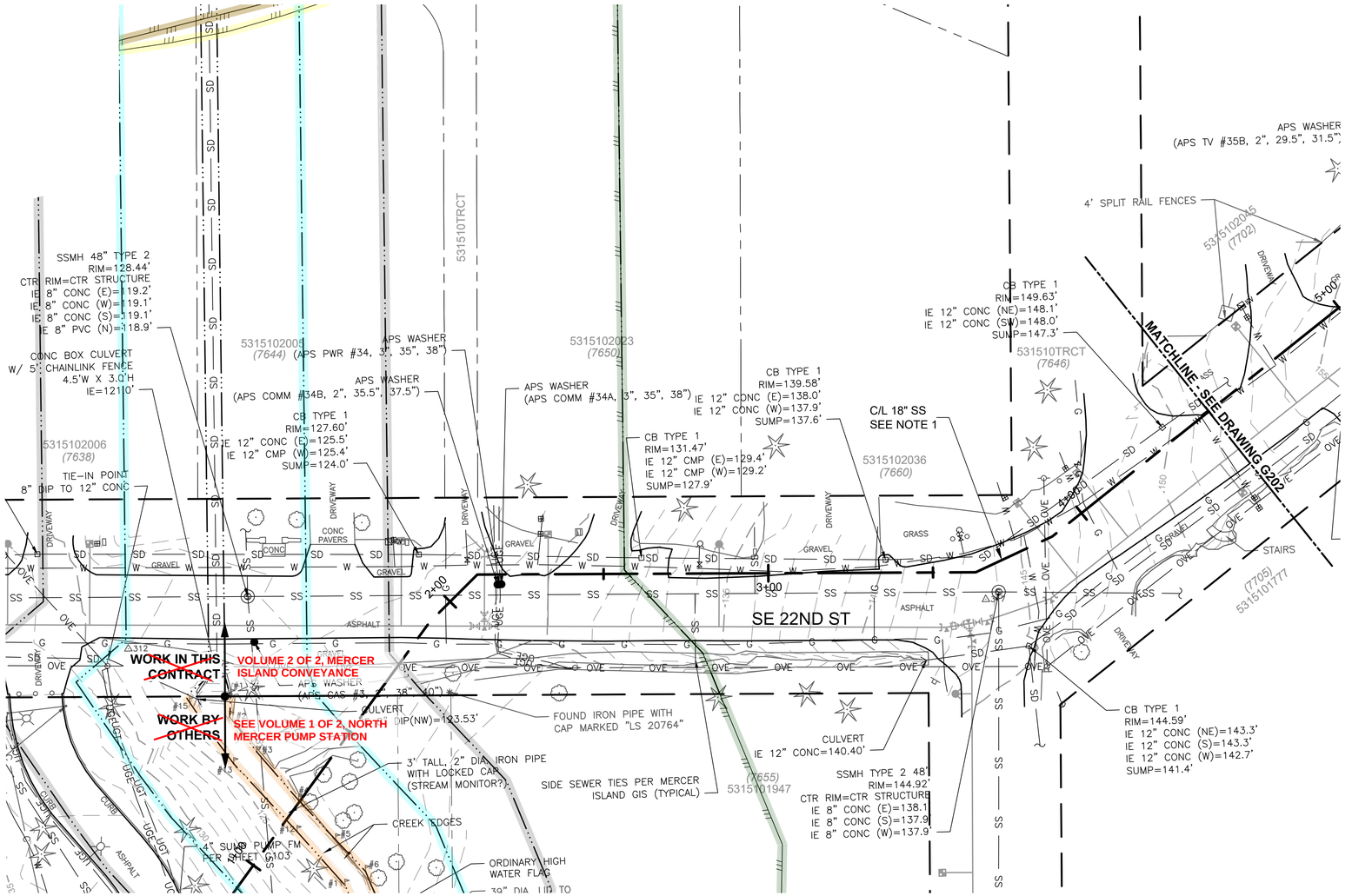
PLOT DATE: 9/16/2019 1:36 PM
PLOTTED BY: Nelson, Ben



NOTES:

1. THE INTENT OF THIS DRAWING IS TO PRESENT THE LOCATION OF THE EXISTING SURVEYED INFORMATION. THE CENTERLINE ALIGNMENT OF THE NEW CONVEYANCE IMPROVEMENTS ARE FOR REFERENCE. SEE PLAN AND PROFILE DRAWINGS FOR DEFINITION OF ALIGNMENT LOCATIONS.
2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 1+64 TO STA 4+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G201
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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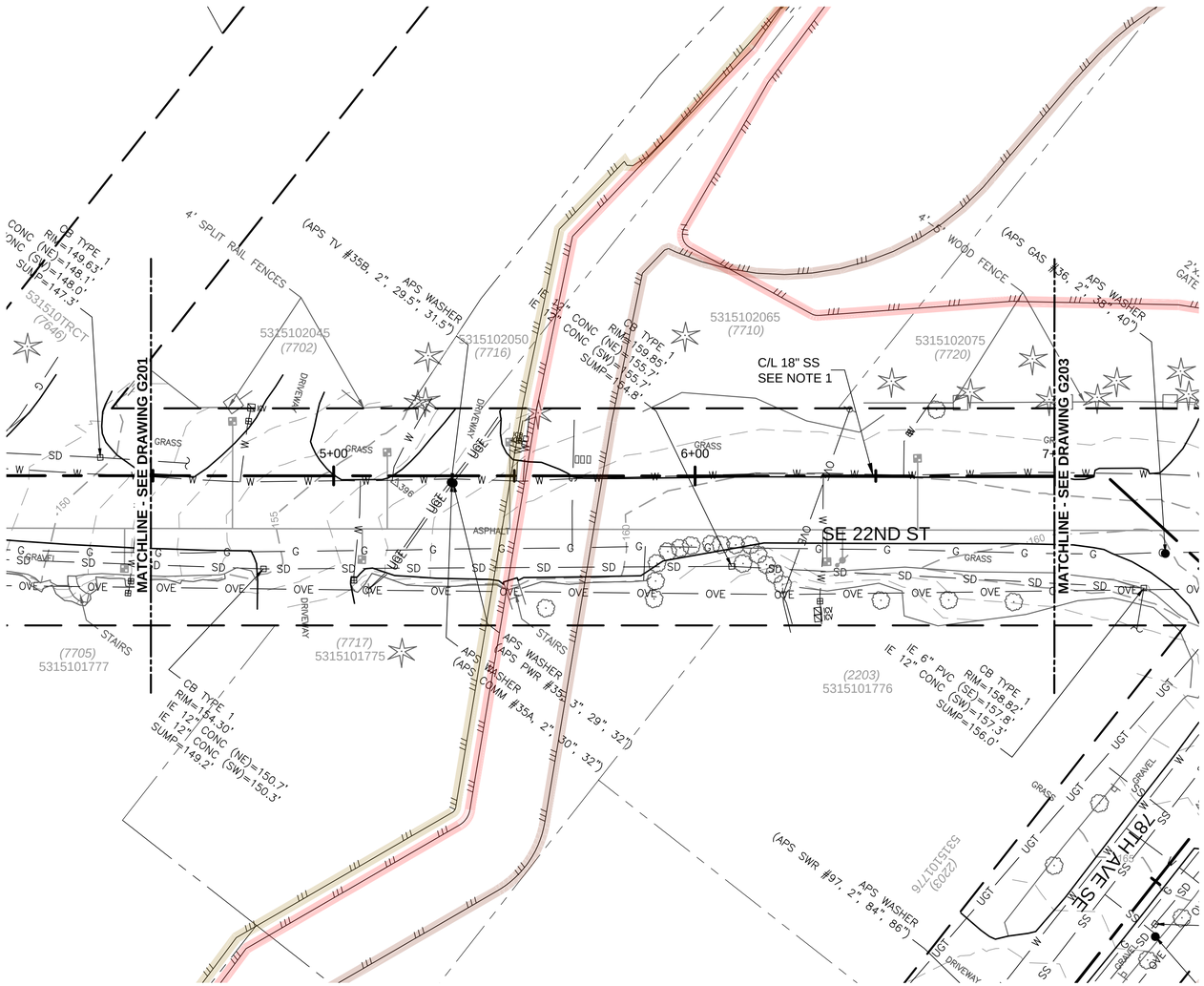

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- 60' SEASONAL STREAM BUFFER
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- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
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- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 4+50 TO STA 7+00

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G202
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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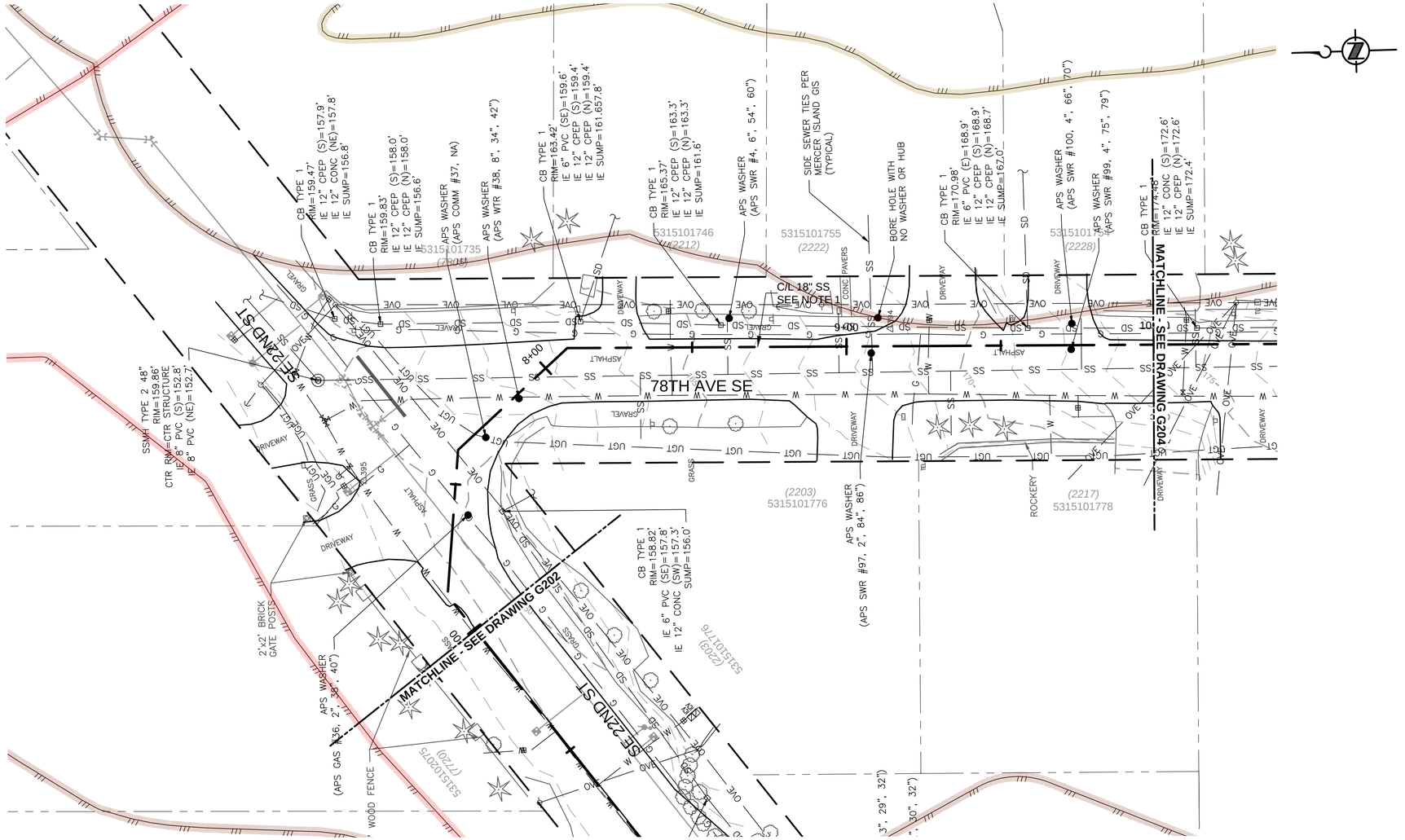

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- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
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- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 7+00 TO STA 10+00

DCN: TBD
DATE: 9/23/2019
PROJECT FILE NO: TBD
DRAWING NO: G203
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-G203.dwg
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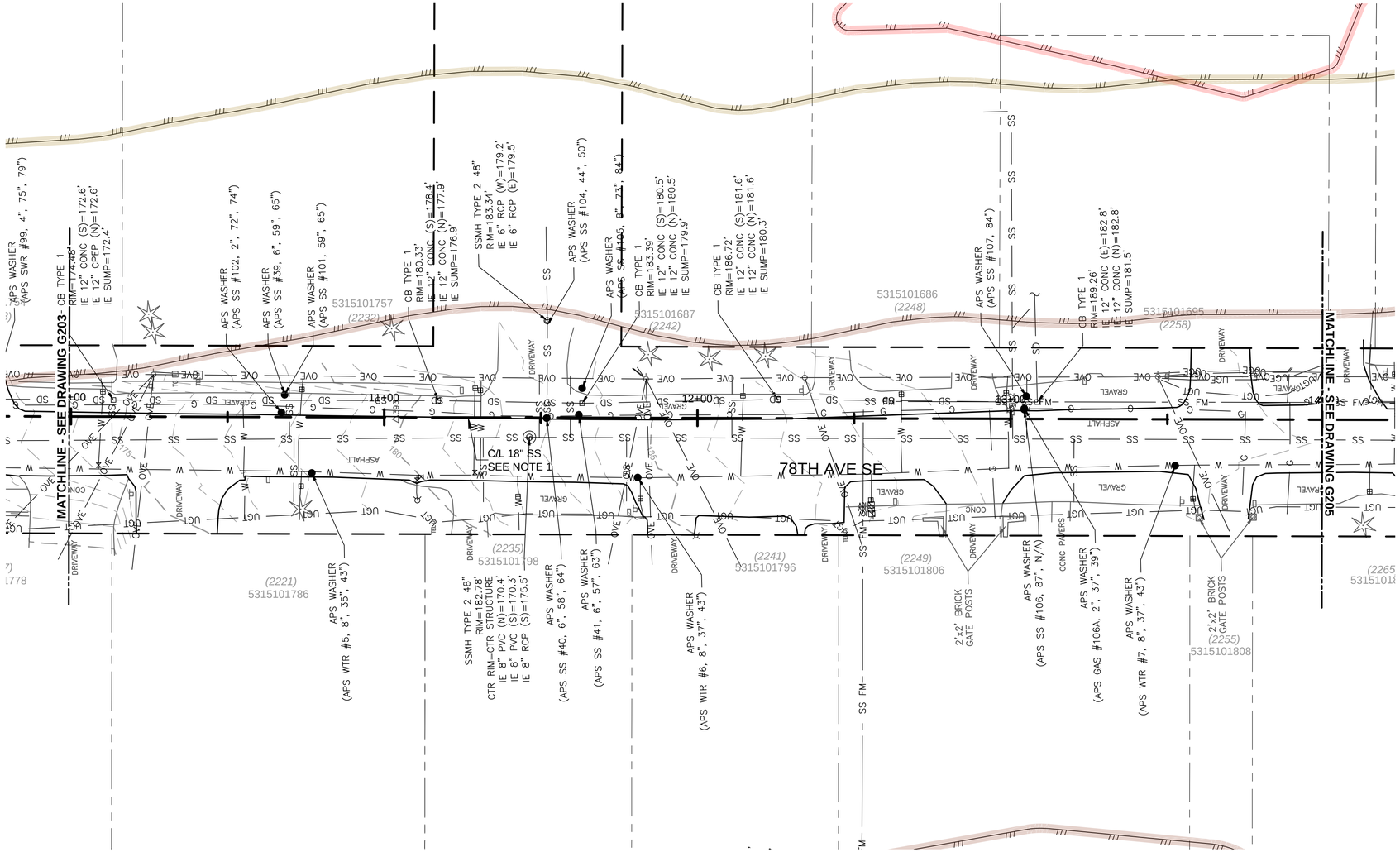
PLOTTED BY: D'Aurio, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

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- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
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- 200' LAKE WASHINGTON BUFFER
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- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

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TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 10+00 TO STA 14+00

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G204
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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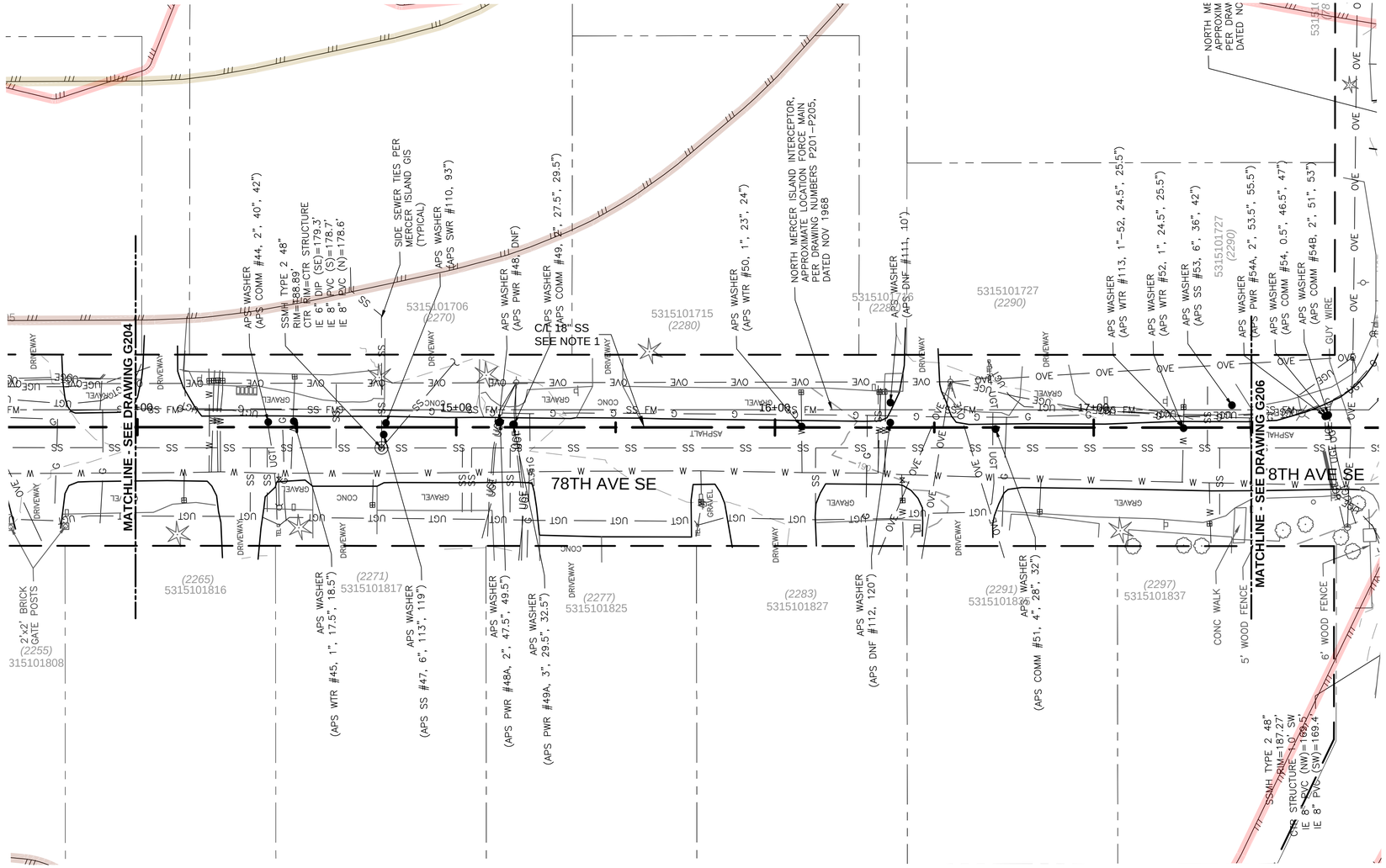

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- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
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- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

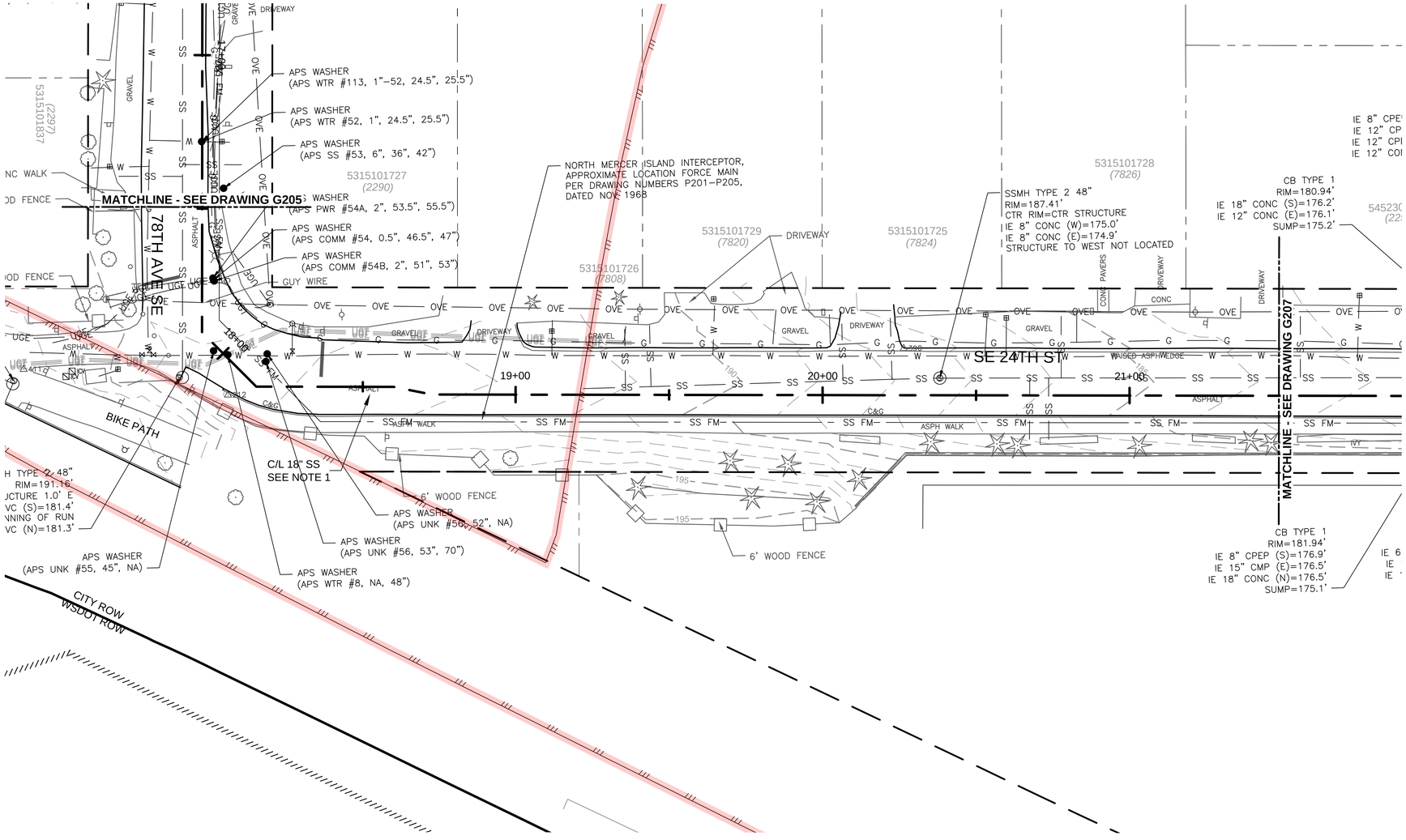
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 14+00 TO STA 17+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G205
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G205.dwg
PLOT DATE: 9/26/2019 12:48 PM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. THE INTENT OF THIS DRAWING IS TO PRESENT THE LOCATION OF THE EXISTING SURVEYED INFORMATION. THE CENTERLINE ALIGNMENT OF THE NEW CONVEYANCE IMPROVEMENTS ARE FOR REFERENCE. SEE PLAN AND PROFILE DRAWINGS FOR DEFINITION OF ALIGNMENT LOCATIONS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 17+50 TO STA 21+50

DCN: TBD
DATE: 9/23/2019
PROJECT FILE NO: TBD
DRAWING NO: G206
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G206.dwg
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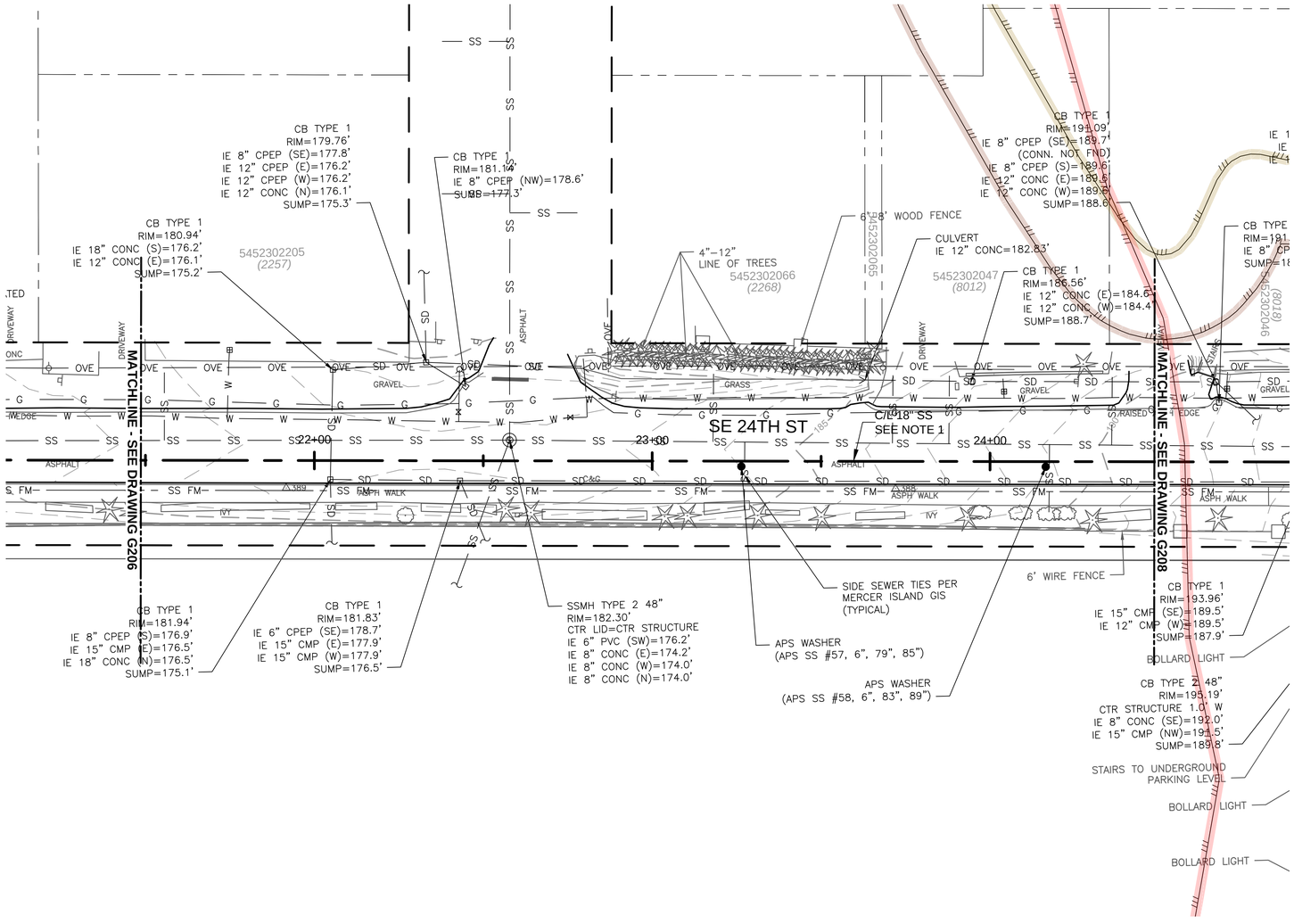
PLOTTED BY: D'Auria, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 21+50 TO STA 24+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G207
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3K67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G207.dwg
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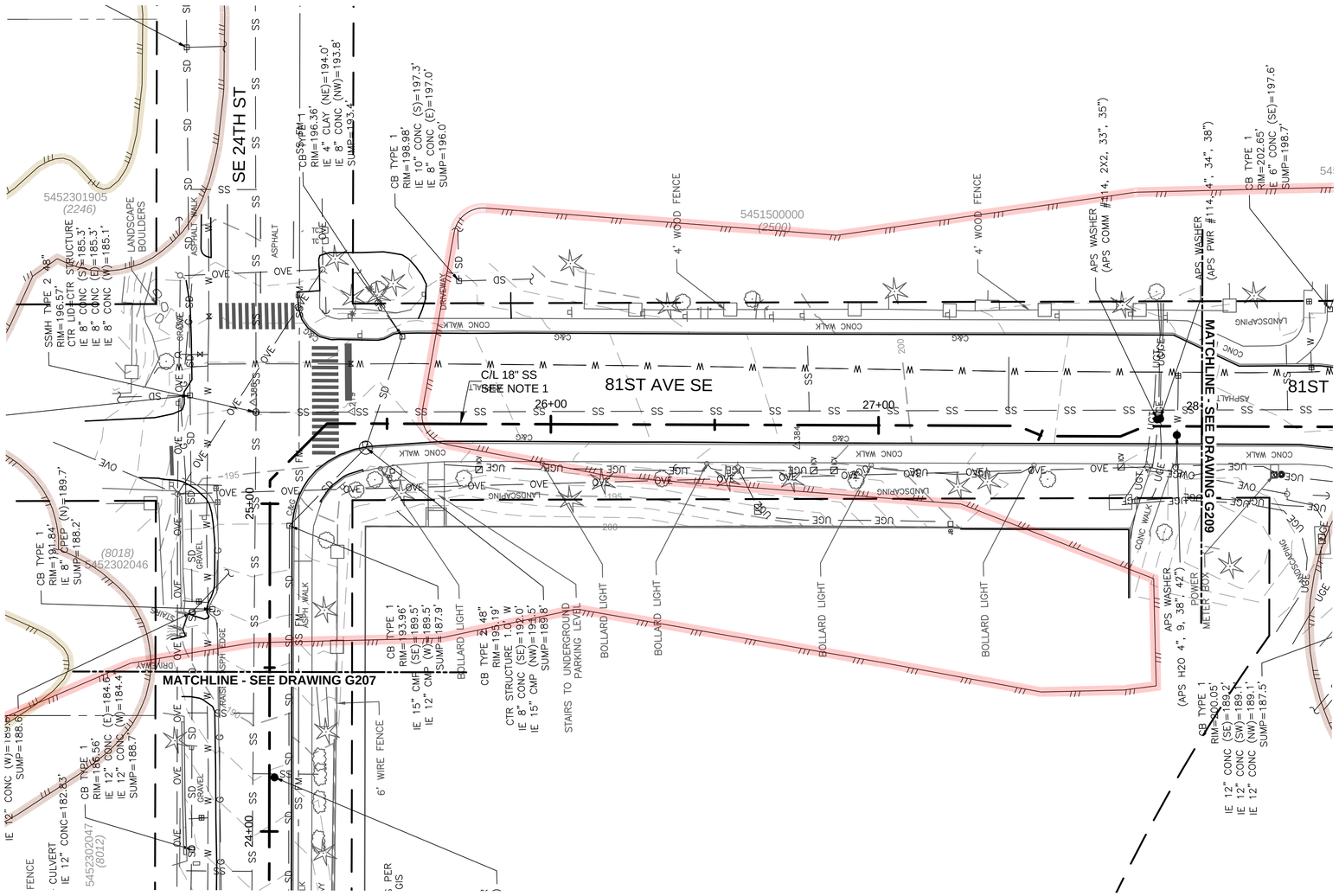
PLOTTED BY:D'Auria, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 24+50 TO STA 28+00

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G208
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G208.dwg
PLOT DATE: 9/26/2019 12:52 PM
PLOTTED BY: D'Aurio, Isaac

NOTES:

1. THE INTENT OF THIS DRAWING IS TO PRESENT THE LOCATION OF THE EXISTING SURVEYED INFORMATION. THE CENTERLINE ALIGNMENT OF THE NEW CONVEYANCE IMPROVEMENTS ARE FOR REFERENCE. SEE PLAN AND PROFILE DRAWINGS FOR DEFINITION OF ALIGNMENT LOCATIONS.
2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 28+00 TO STA 31+00

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G209
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G209.dwg
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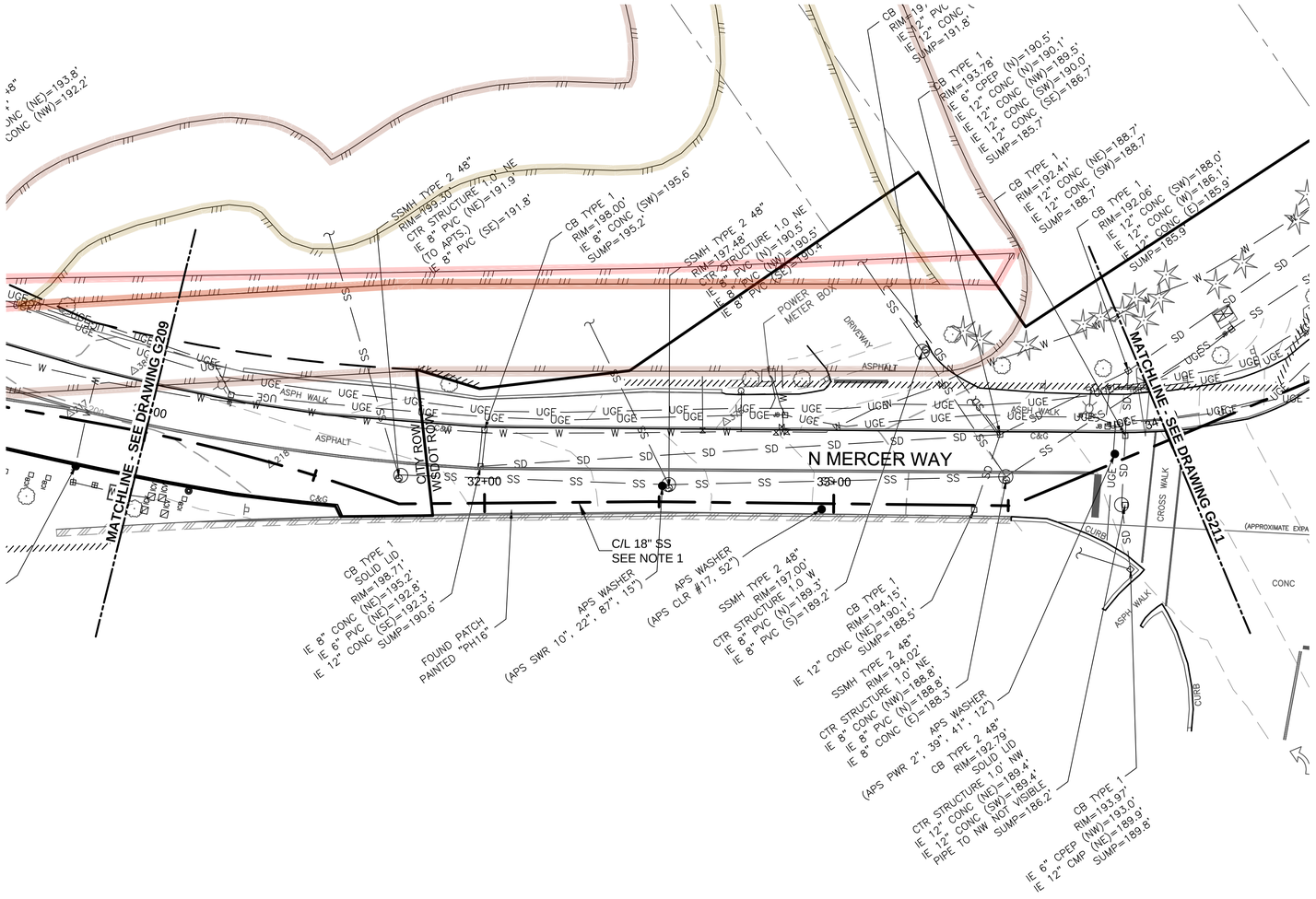
PLOTTED BY: D'Aurio, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 31+00 TO STA 34+00

DCN: TBD
DATE: 9/23/2019
PROJECT FILE NO: TBD
DRAWING NO: G210
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G210.dwg
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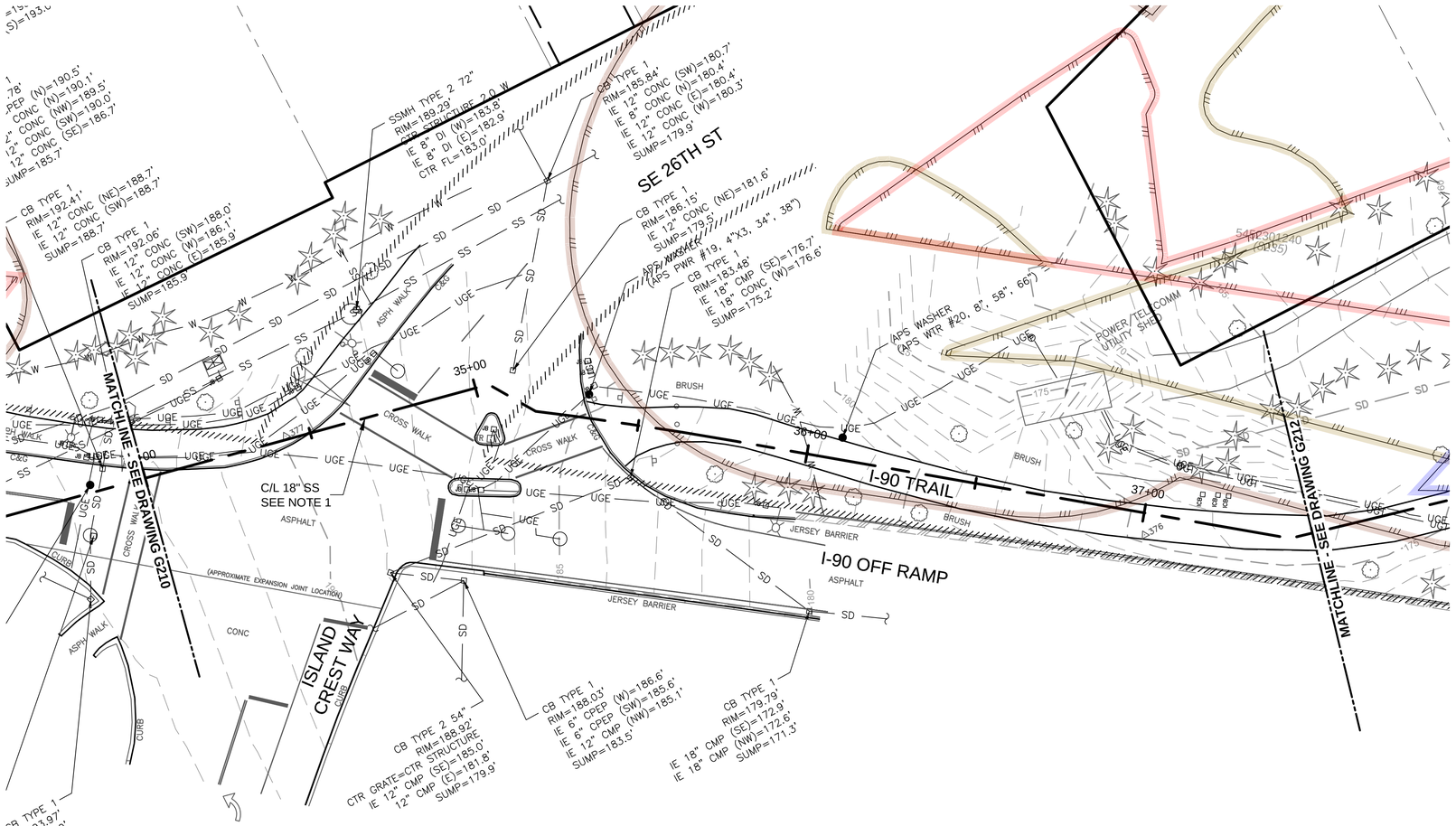
PLOTTED BY: D'Auria, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: NA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 34+00 TO STA 37+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G211
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-G211.dwg
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PLOTTED BY: D'Auria, Isaac

NOTES:

1. THE INTENT OF THIS DRAWING IS TO PRESENT THE LOCATION OF THE EXISTING SURVEYED INFORMATION. THE CENTERLINE ALIGNMENT OF THE NEW CONVEYANCE IMPROVEMENTS ARE FOR REFERENCE. SEE PLAN AND PROFILE DRAWINGS FOR DEFINITION OF ALIGNMENT LOCATIONS.
2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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PLOT DATE: 9/26/2019 12:57 PM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

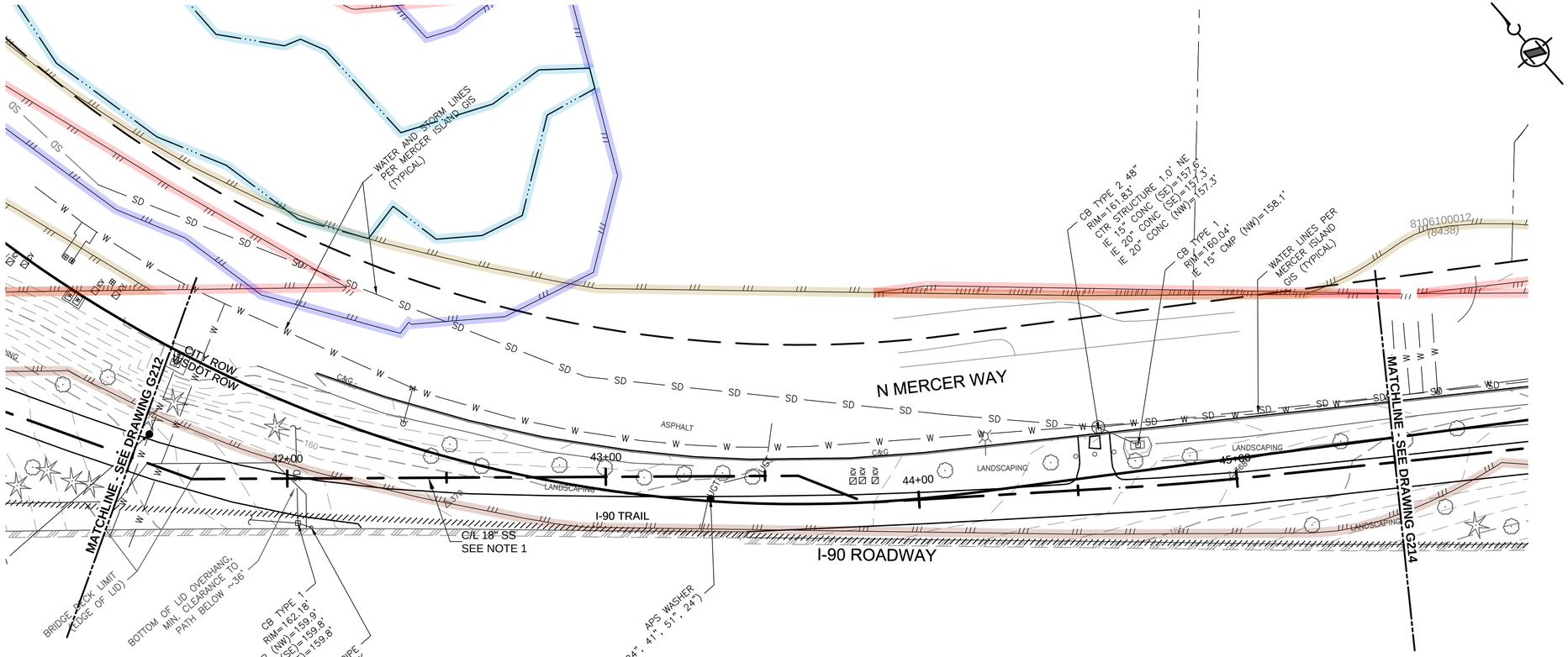
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 37+50 TO STA 41+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G212
SHT NO / TOTAL	/
REV NO:	



NOTES:

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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 41+50 TO STA 45+50

DCN: TBD
DATE: 9/23/2019
PROJECT FILE NO: TBD
DRAWING NO: G213
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G213.dwg
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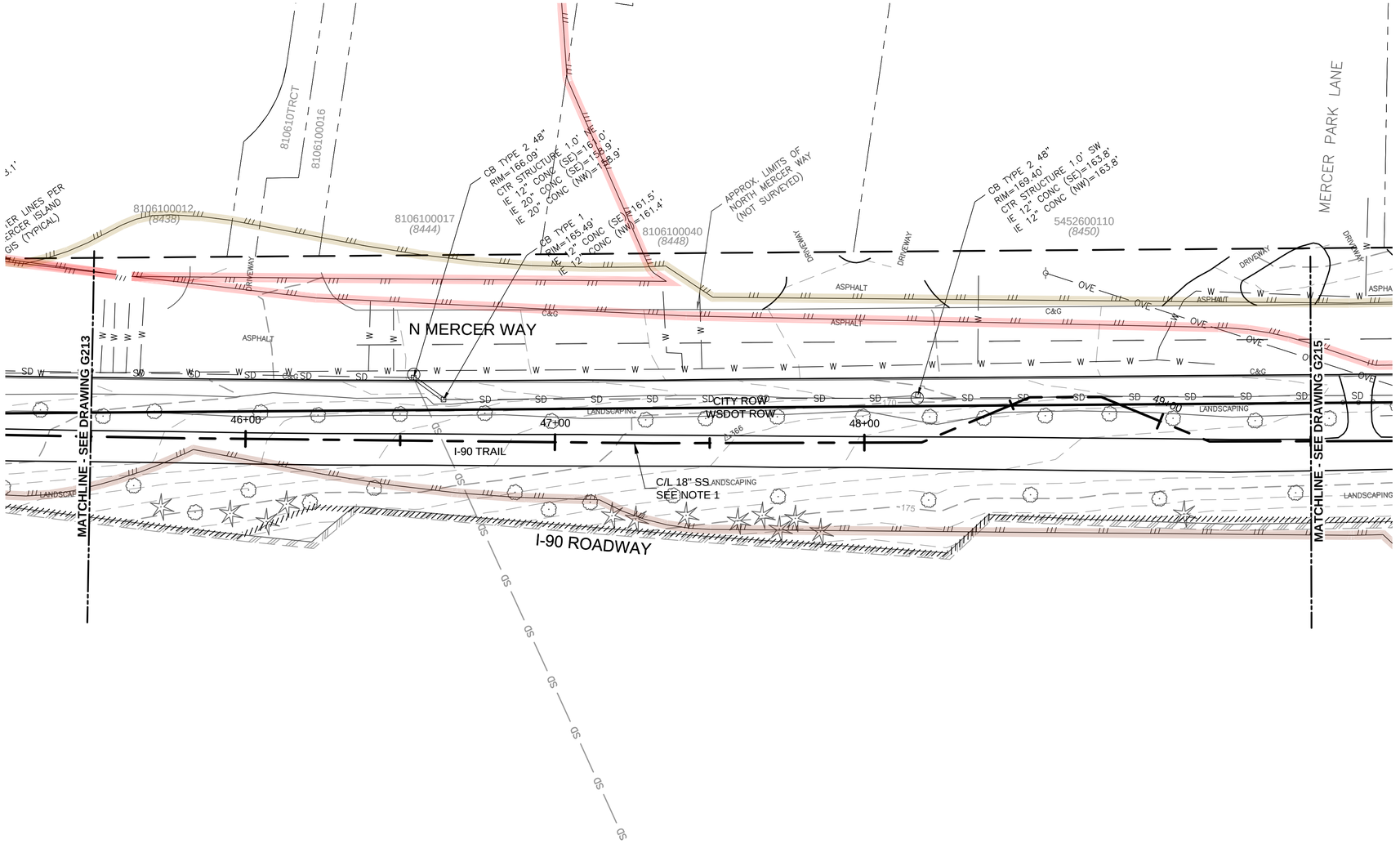
PLOTTED BY: D'Auria, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

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TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 45+50 TO STA 49+50

DCN: TBD
DATE: 9/23/2019
PROJECT FILE NO: TBD
DRAWING NO: G214
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-G214.dwg
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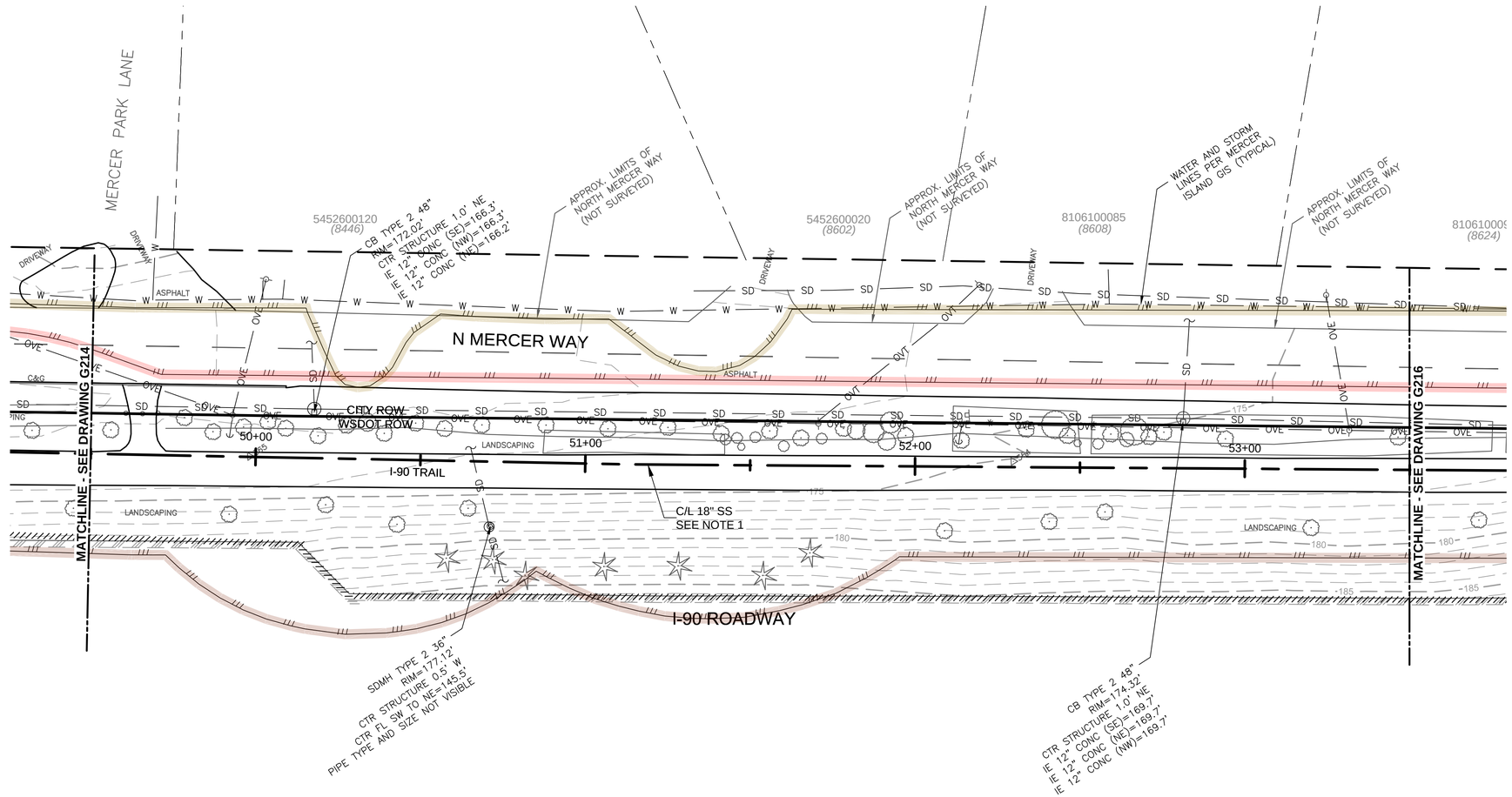
PLOTTED BY: D'Auria, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
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- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 49+50 TO STA 53+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G215
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
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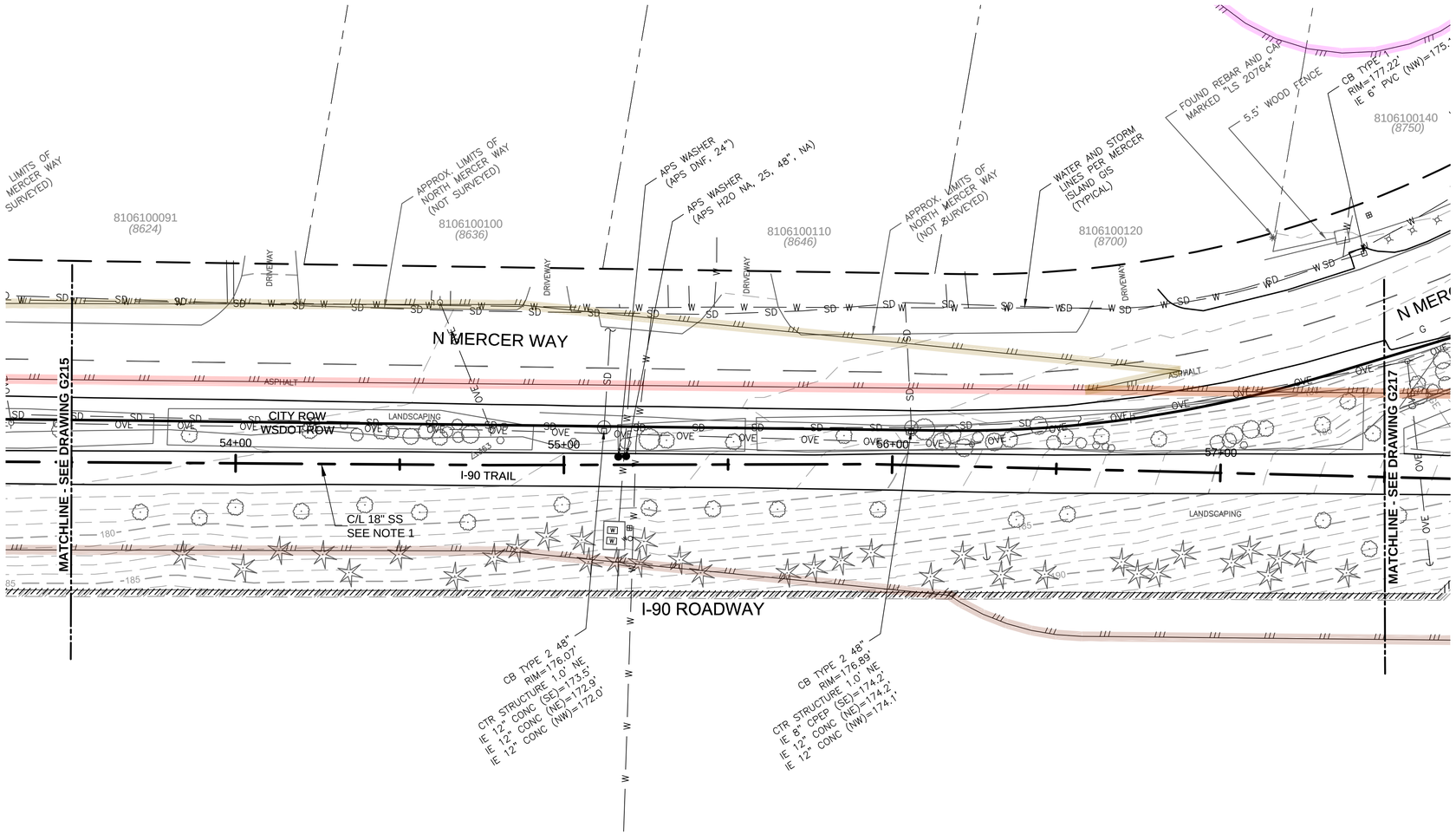
PLOT DATE: 9/26/2019 1:01 PM
PLOTTED BY:D'Auria, Isaac



NOTES:

1. THE INTENT OF THIS DRAWING IS TO PRESENT THE LOCATION OF THE EXISTING SURVEYED INFORMATION. THE CENTERLINE ALIGNMENT OF THE NEW CONVEYANCE IMPROVEMENTS ARE FOR REFERENCE. SEE PLAN AND PROFILE DRAWINGS FOR DEFINITION OF ALIGNMENT LOCATIONS.
2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

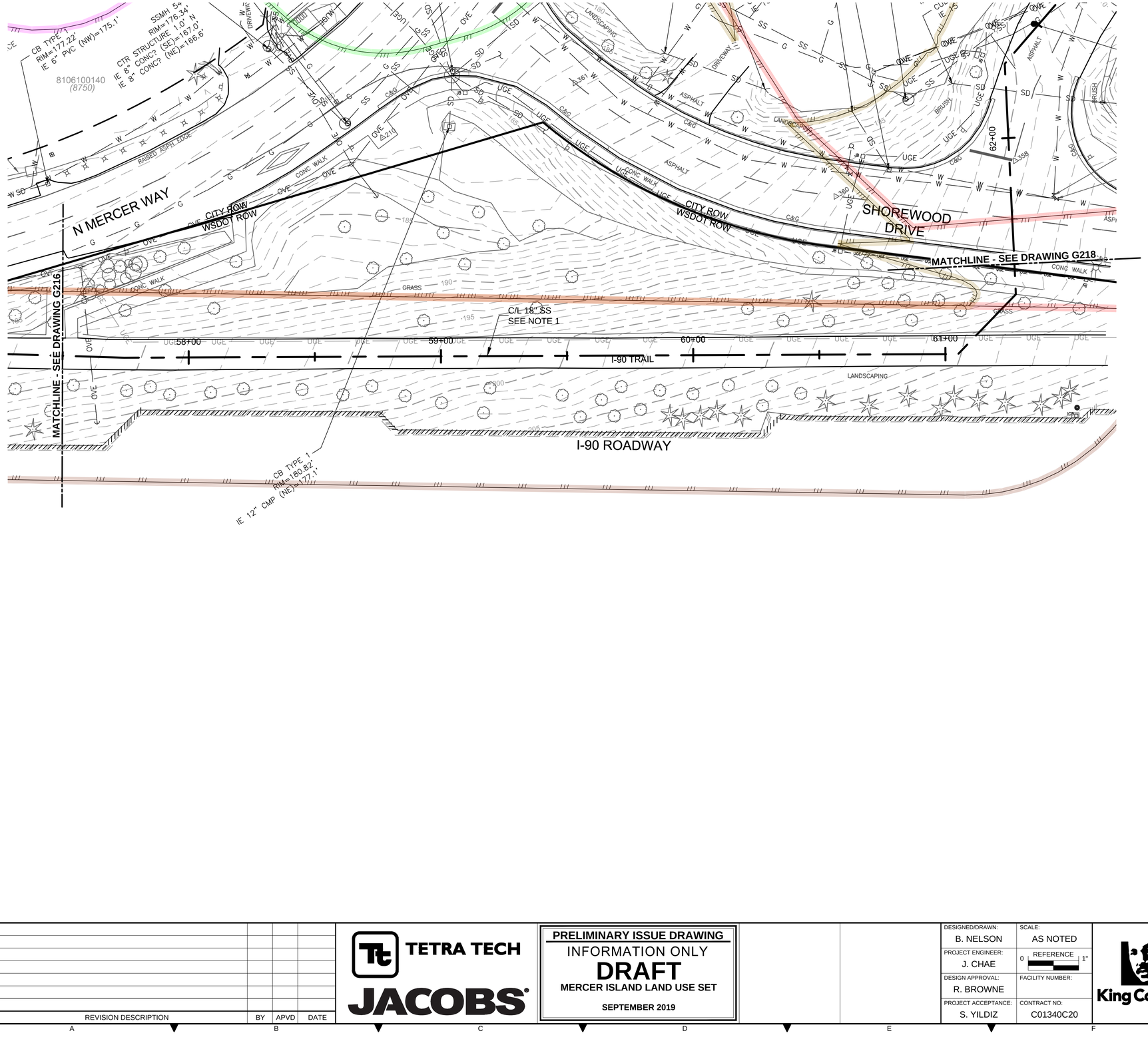
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 53+50 TO STA 57+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G216
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G216.dwg
PLOT DATE: 9/26/2019 1:03 PM
PLOTTED BY: D'Aurio, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 57+50 TO STA 61+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G217
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13_PIPE_G217.dwg
PLOT DATE: 9/26/2019 1:04 PM
PLOTTED BY:D'Auria, Isaac

NOTES:

1. THE INTENT OF THIS DRAWING IS TO PRESENT THE LOCATION OF THE EXISTING SURVEYED INFORMATION. THE CENTERLINE ALIGNMENT OF THE NEW CONVEYANCE IMPROVEMENTS ARE FOR REFERENCE. SEE PLAN AND PROFILE DRAWINGS FOR DEFINITION OF ALIGNMENT LOCATIONS.
2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

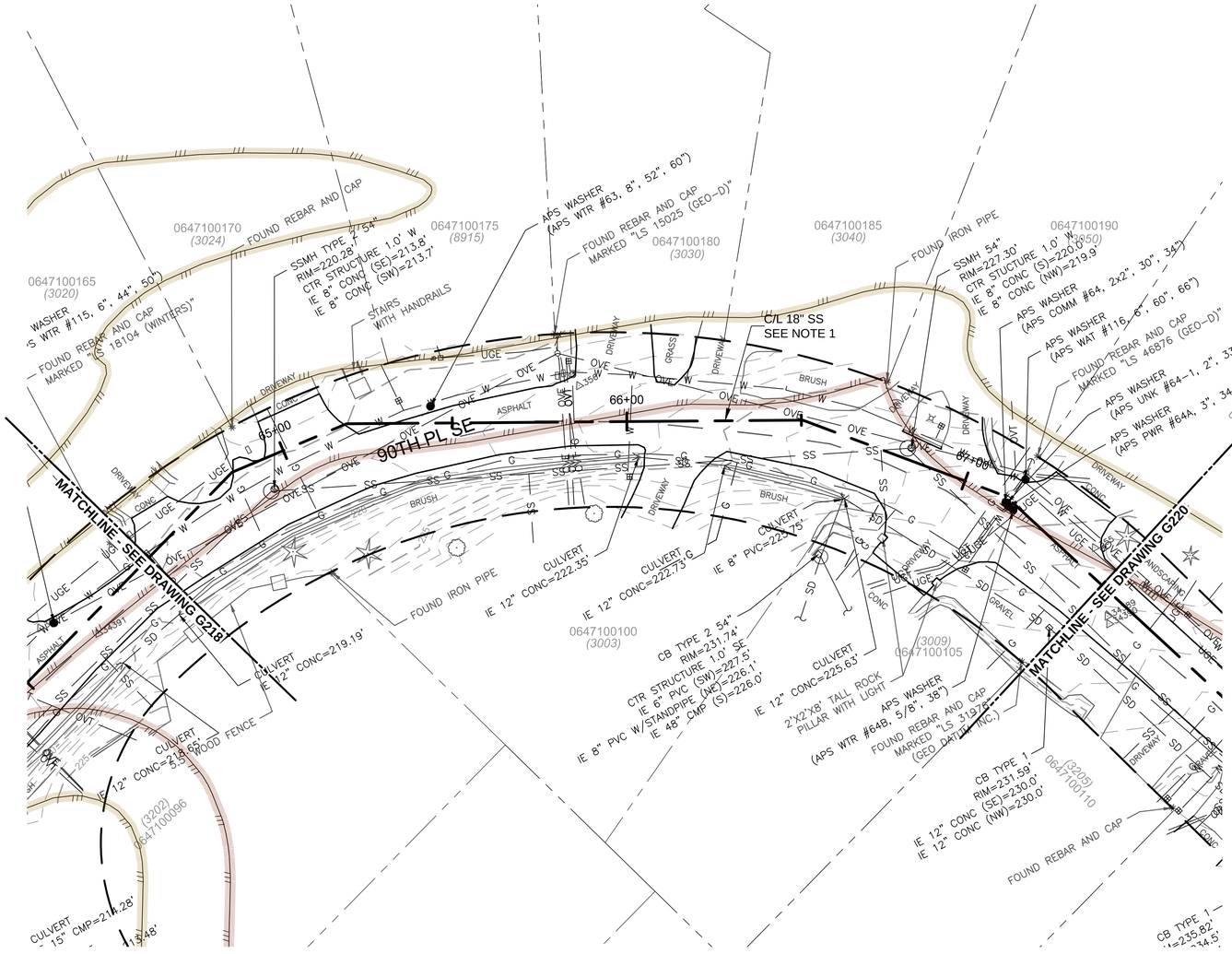
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 61+50 TO STA 64+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G218
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G218.dwg
PLOT DATE: 9/26/2019 1:05 PM
PLOTTED BY: D'Auria, Isaac



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CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

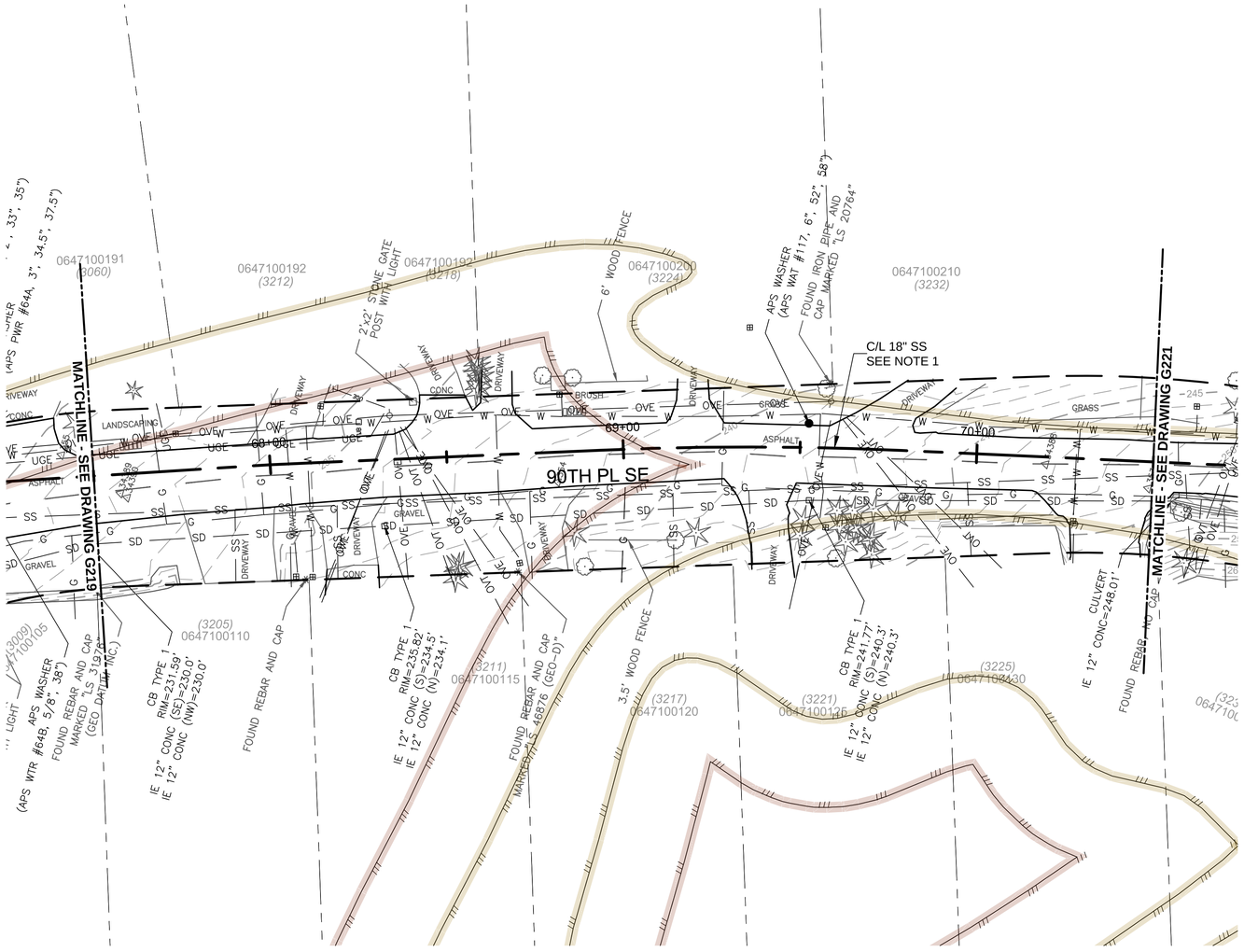
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 64+50 TO STA 67+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G219
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G219.dwg
PLOT DATE: 9/26/2019 1:06 PM
PLOTTED BY:D'Auria, Isaac



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CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 67+50 TO STA 70+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G220
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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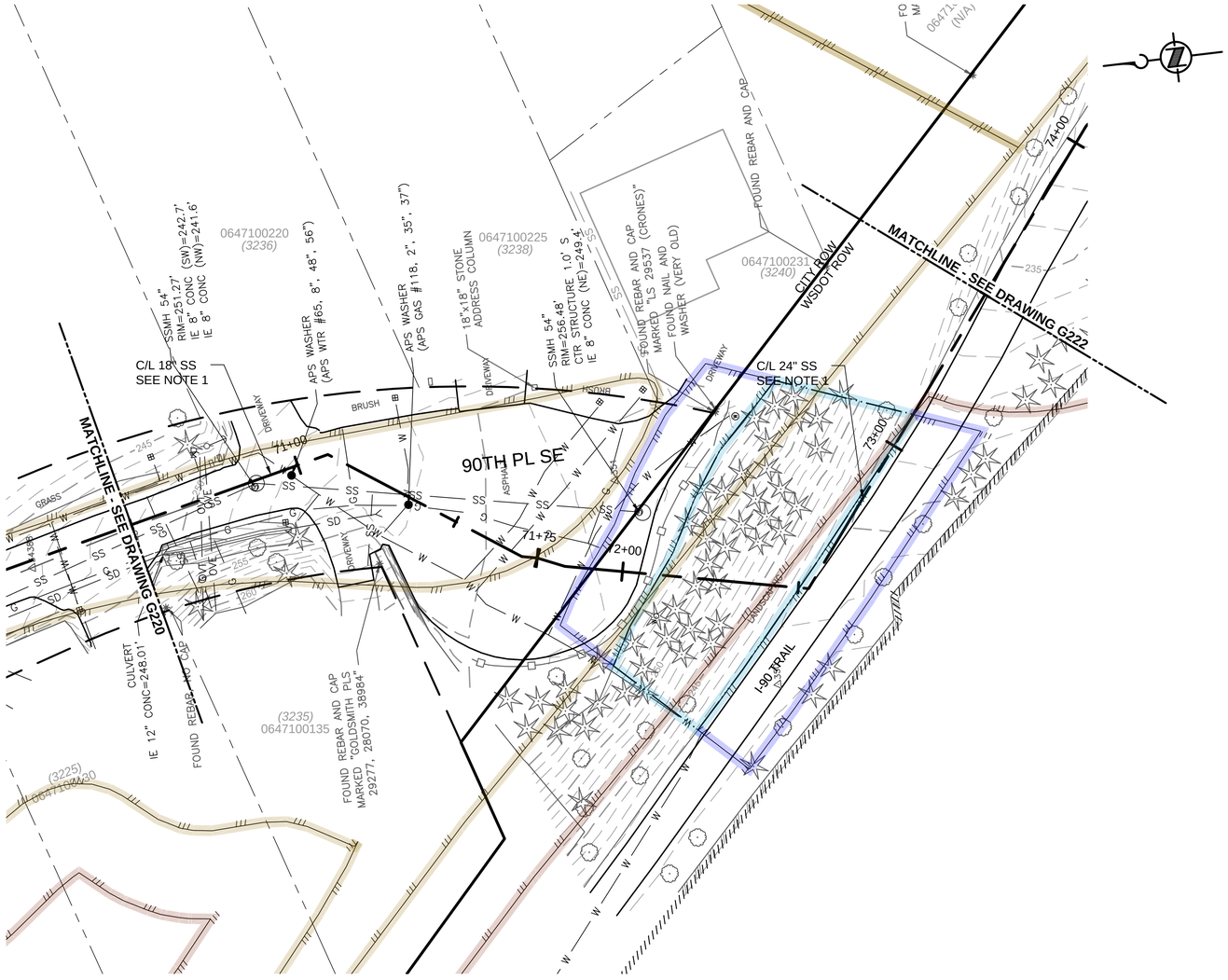
PLOT DATE: 9/26/2019 1:08 PM
PLOTTED BY:D'Auria, Isaac



NOTES:

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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

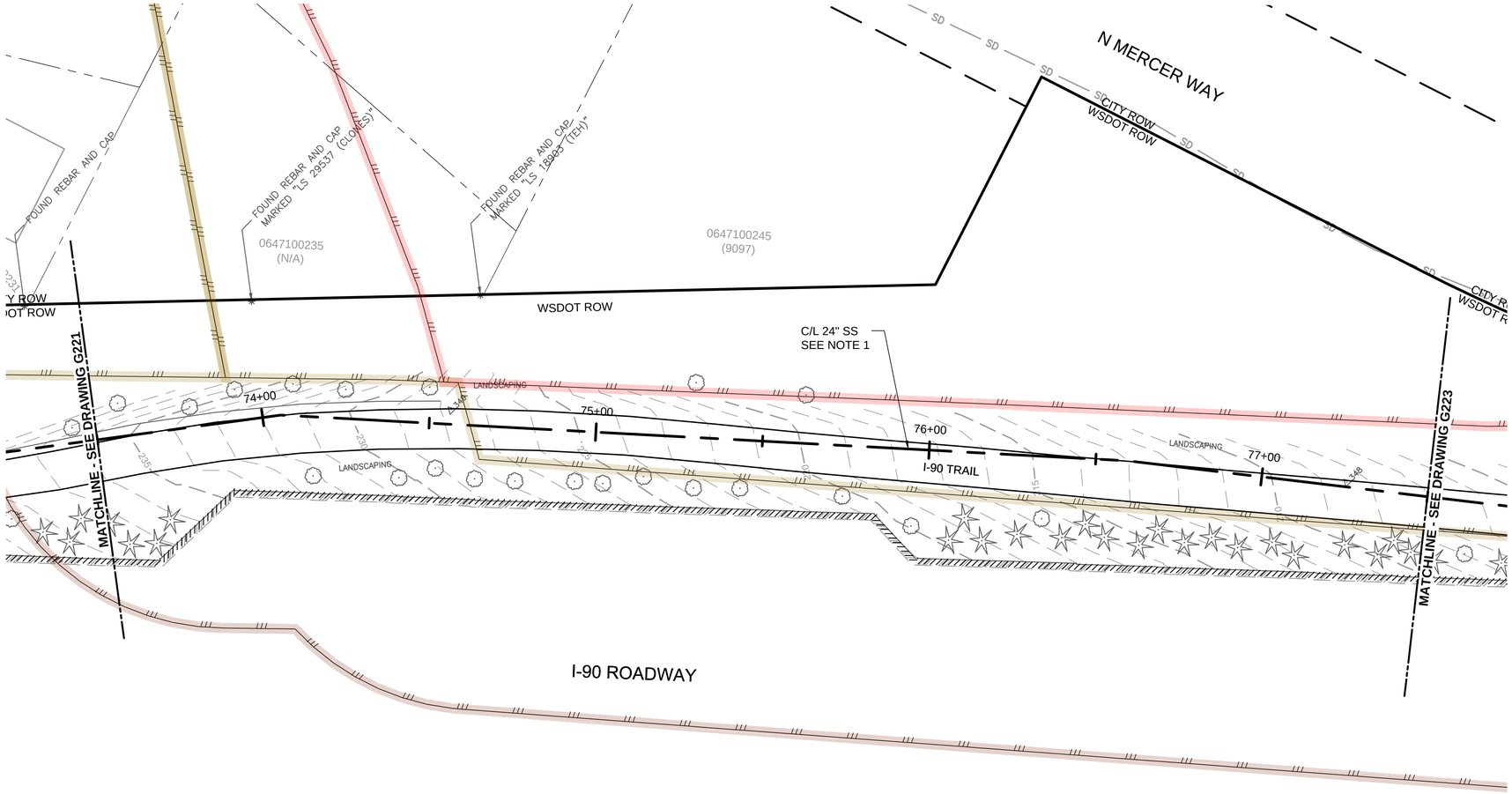
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN TOPOGRAPHIC SURVEY STA 70+50 TO STA 73+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G221
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G221.dwg
PLOT DATE: 9/26/2019 11:09 PM
PLOTTED BY: D'Auria, Isaac



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CRITICAL AREAS LEGEND

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- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

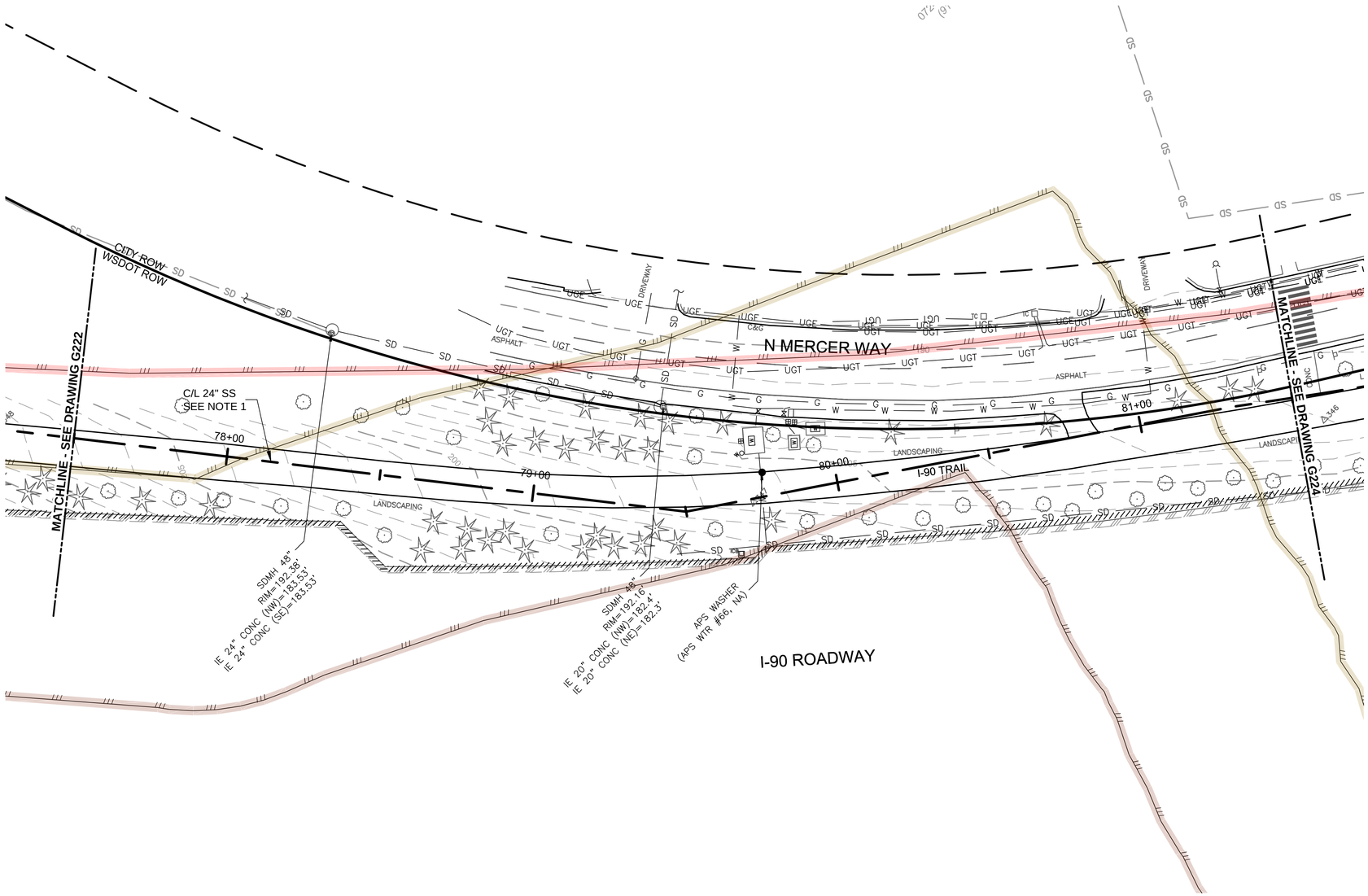
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR TOPOGRAPHIC SURVEY STA 73+50 TO STA 77+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G222
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G222.dwg
PLOT DATE: 9/26/2019 1:10 PM
PLOTTED BY: D'Aurio, Isaac



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CRITICAL AREAS LEGEND

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- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

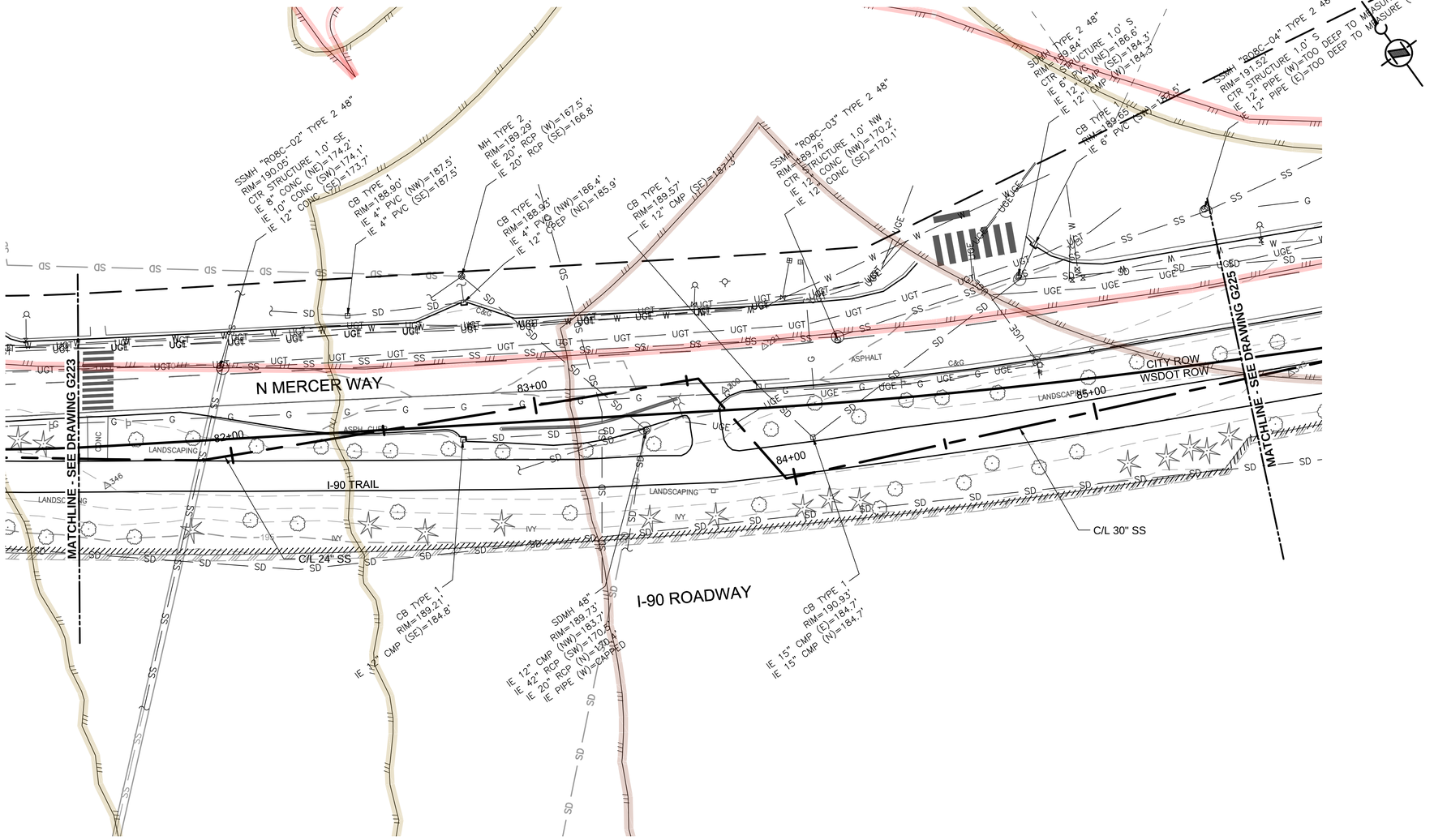
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR TOPOGRAPHIC SURVEY STA 77+50 TO STA 81+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G223
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G223.dwg
PLOT DATE: 9/26/2019 1:11 PM
PLOTTED BY:D'Auria, Isaac



NOTES:

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CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

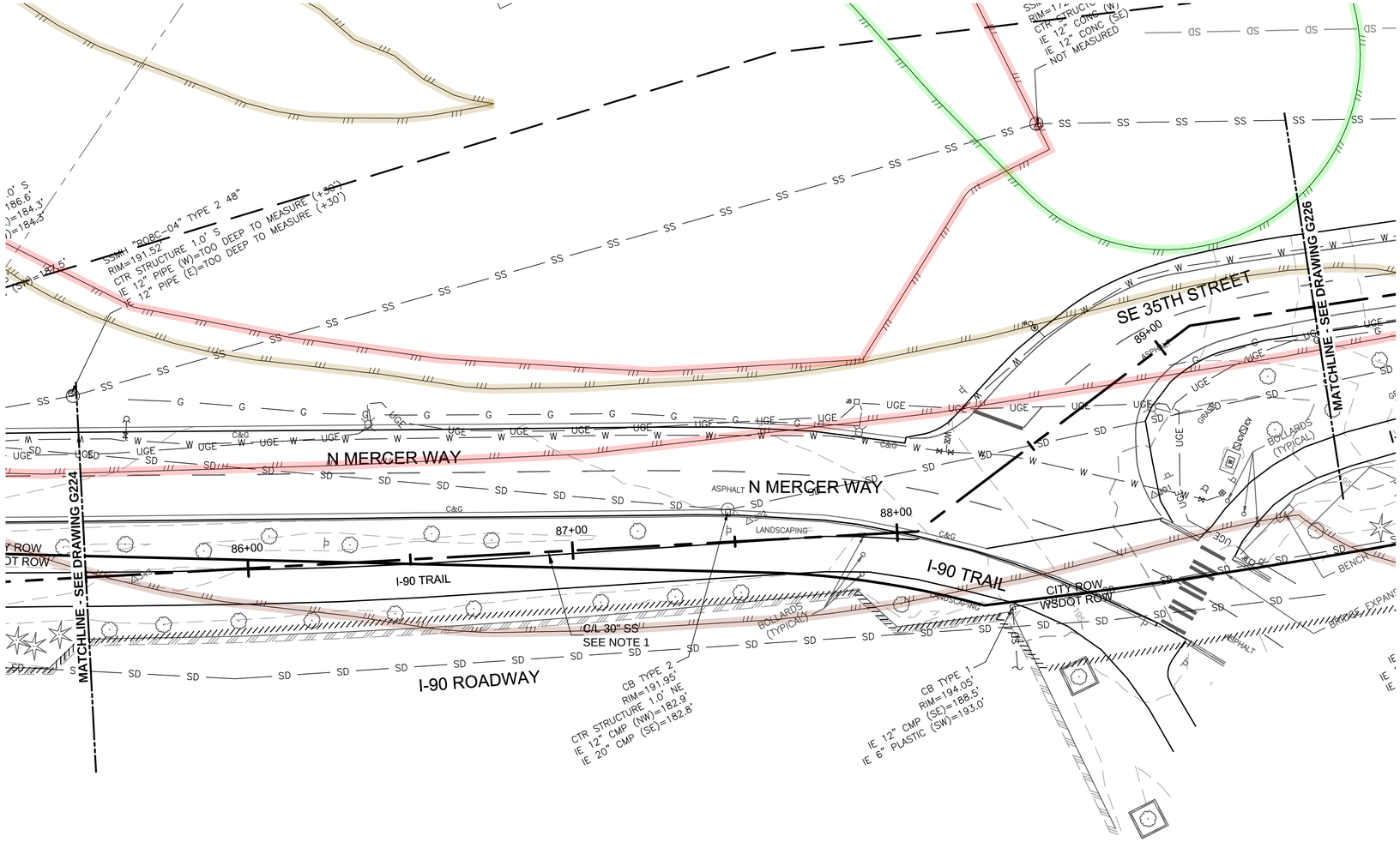
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR TOPOGRAPHIC SURVEY STA 81+50 TO STA 85+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G224
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G224.dwg
PLOT DATE: 9/26/2019 1:12 PM
PLOTTED BY: D'Auria, Isaac



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CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
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- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

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TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
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DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
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King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR TOPOGRAPHIC SURVEY STA 85+50 TO STA 89+50

DCN: TBD
DATE: 9/23/2019
PROJECT FILE NO: TBD
DRAWING NO: G225
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G225.dwg
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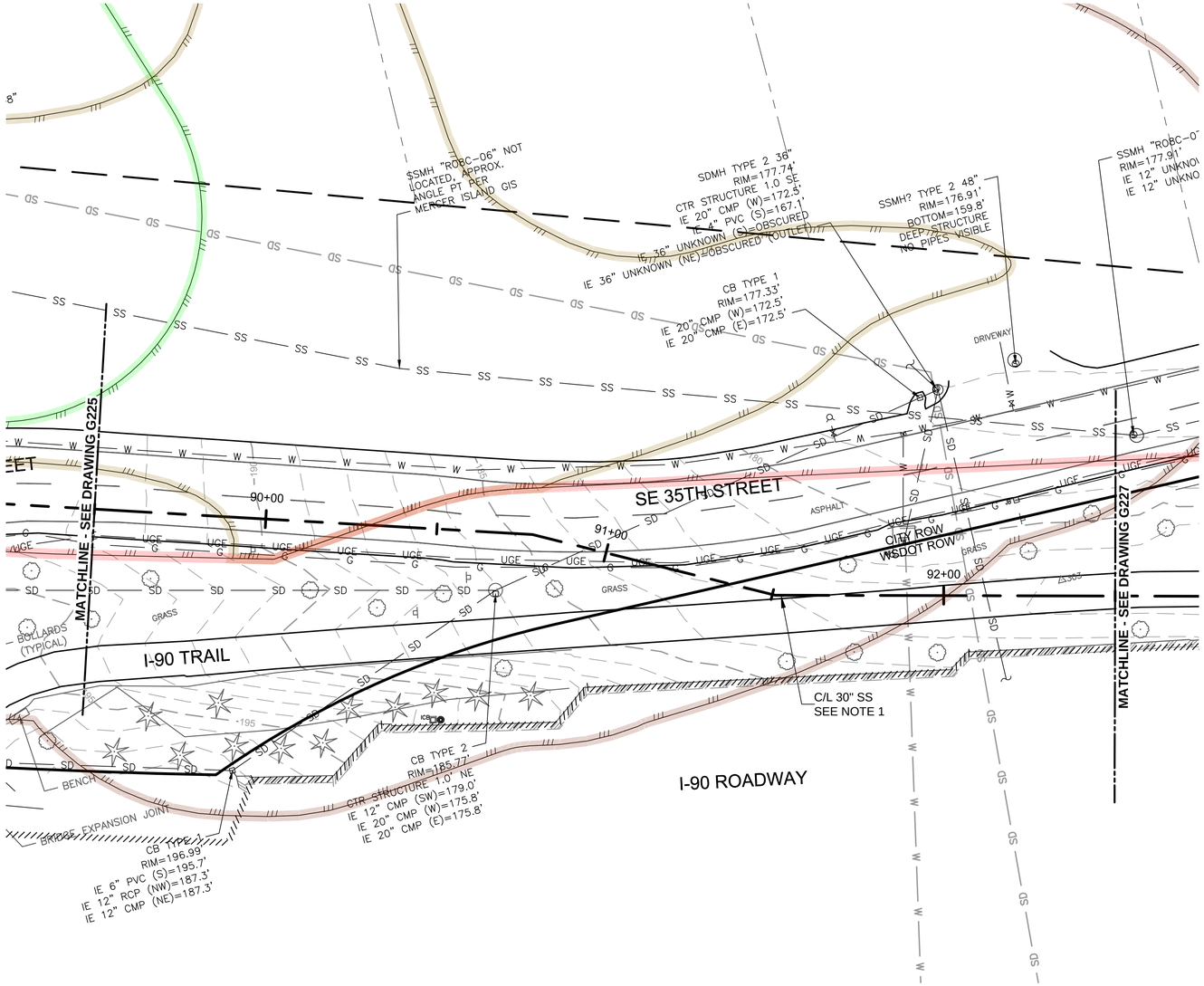
PLOTTED BY: D'Auria, Isaac



NOTES:

1. THE INTENT OF THIS DRAWING IS TO PRESENT THE LOCATION OF THE EXISTING SURVEYED INFORMATION. THE CENTERLINE ALIGNMENT OF THE NEW CONVEYANCE IMPROVEMENTS ARE FOR REFERENCE. SEE PLAN AND PROFILE DRAWINGS FOR DEFINITION OF ALIGNMENT LOCATIONS.
2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

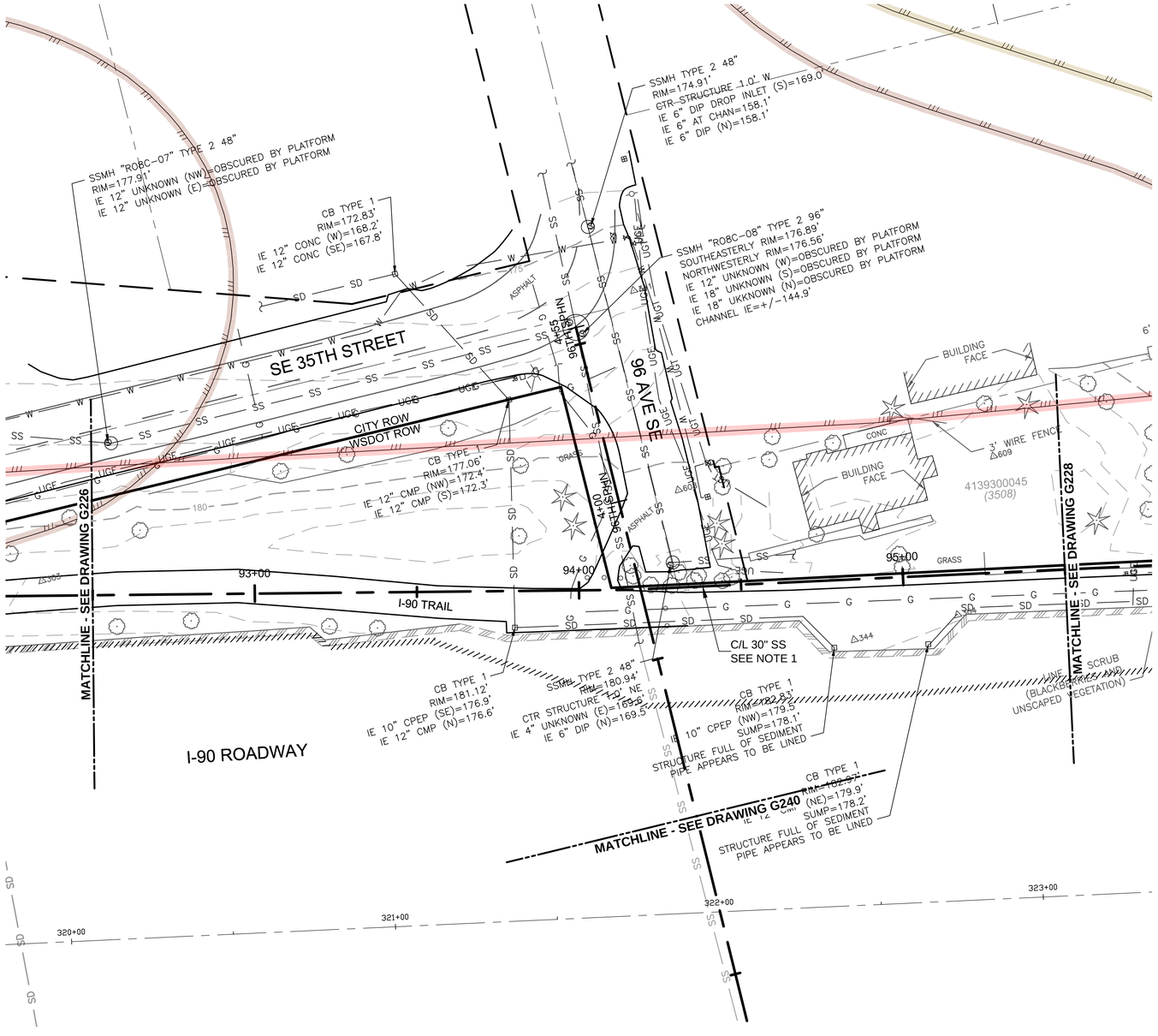
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NORTH MERCER INTERCEPTOR TOPOGRAPHIC SURVEY STA 89+50 TO STA 92+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G226
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G226.dwg
PLOT DATE: 9/26/2019 1:15 PM
PLOTTED BY: D'Auria, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

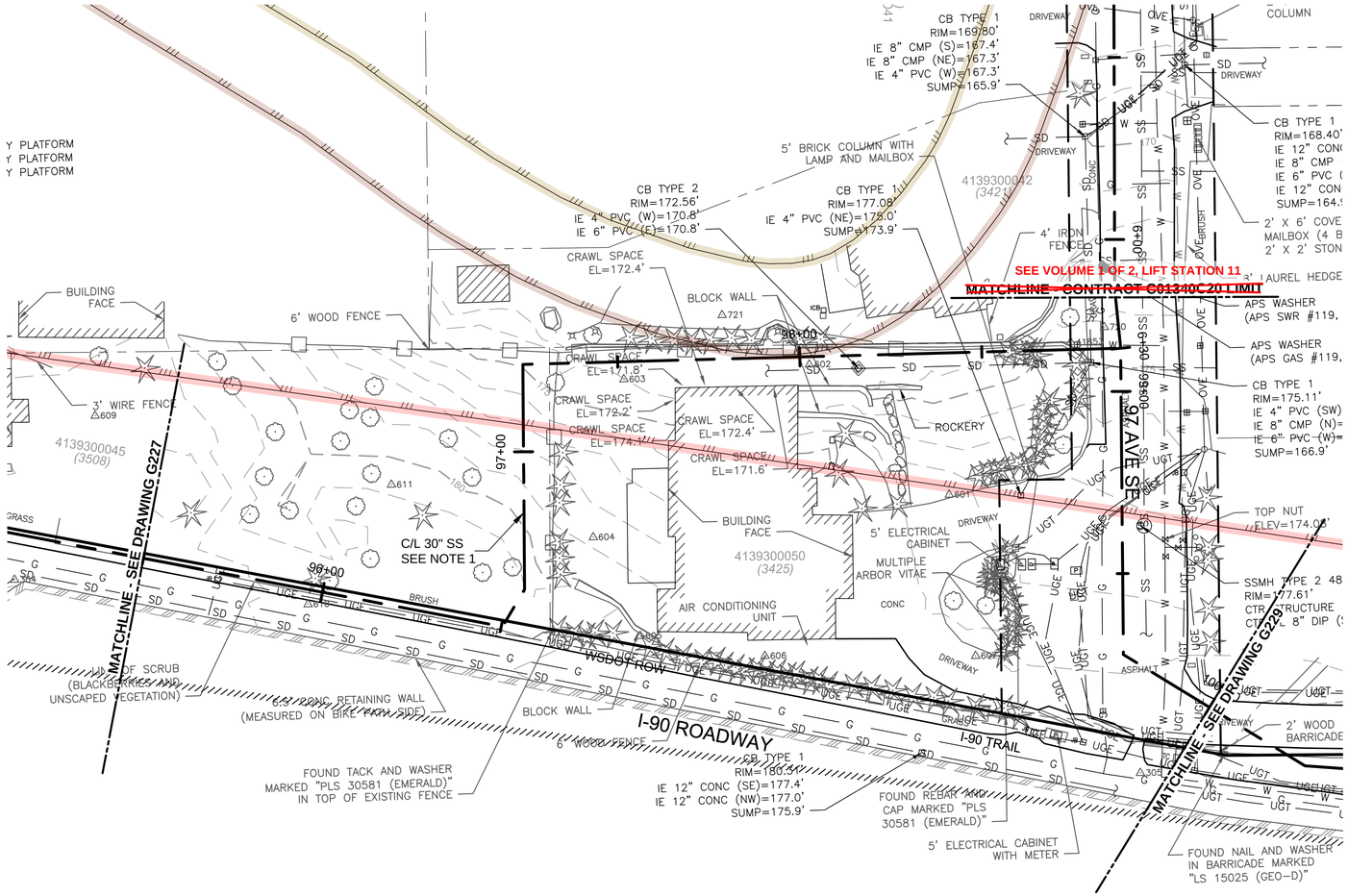
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR TOPOGRAPHIC SURVEY STA 92+50 TO STA 95+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G227
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G227.dwg
PLOT DATE: 9/26/2019 1:16 PM
PLOTTED BY: D'Auria, Isaac



NOTES:

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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

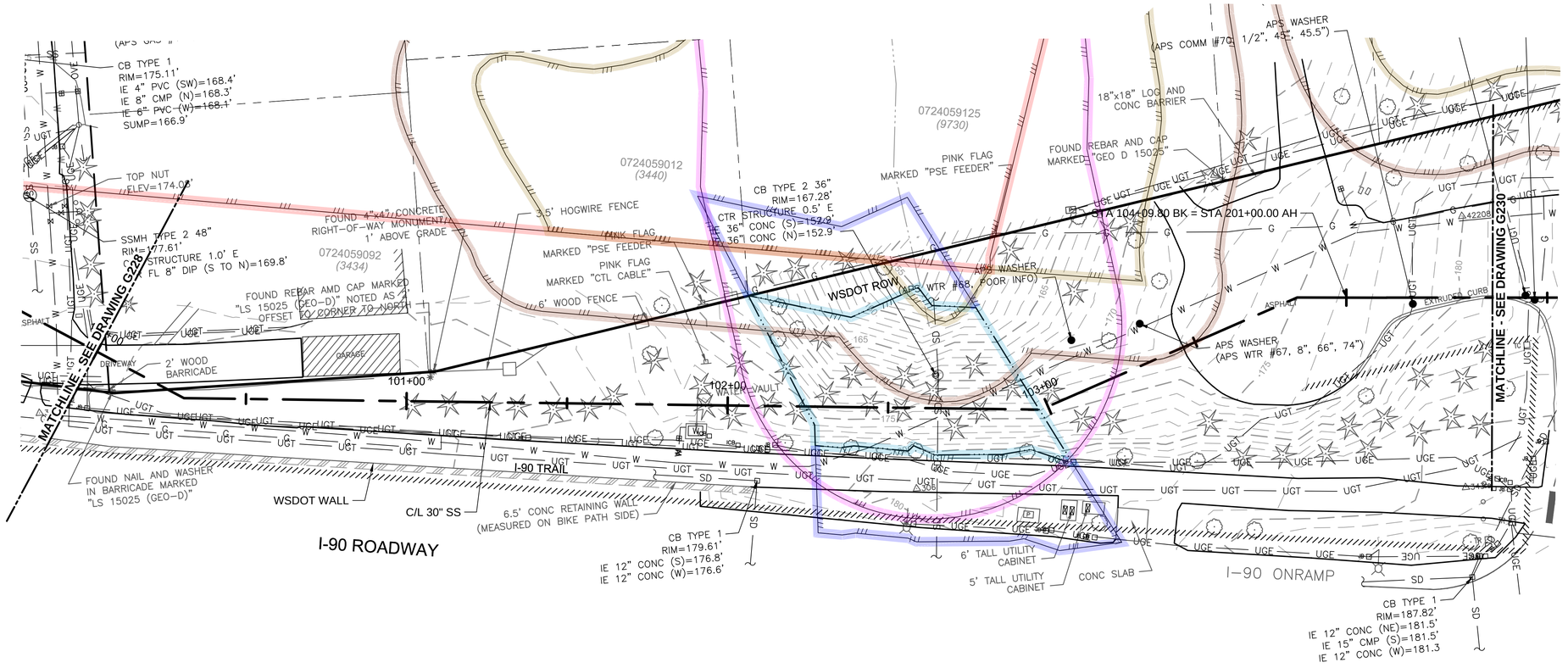
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NORTH MERCER INTERCEPTOR TOPOGRAPHIC SURVEY STA 95+50 TO STA 100+00

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G228
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-G228.dwg
PLOT DATE: 9/26/2019 1:18 PM
PLOTTED BY: D'Aurio, Isaac



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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

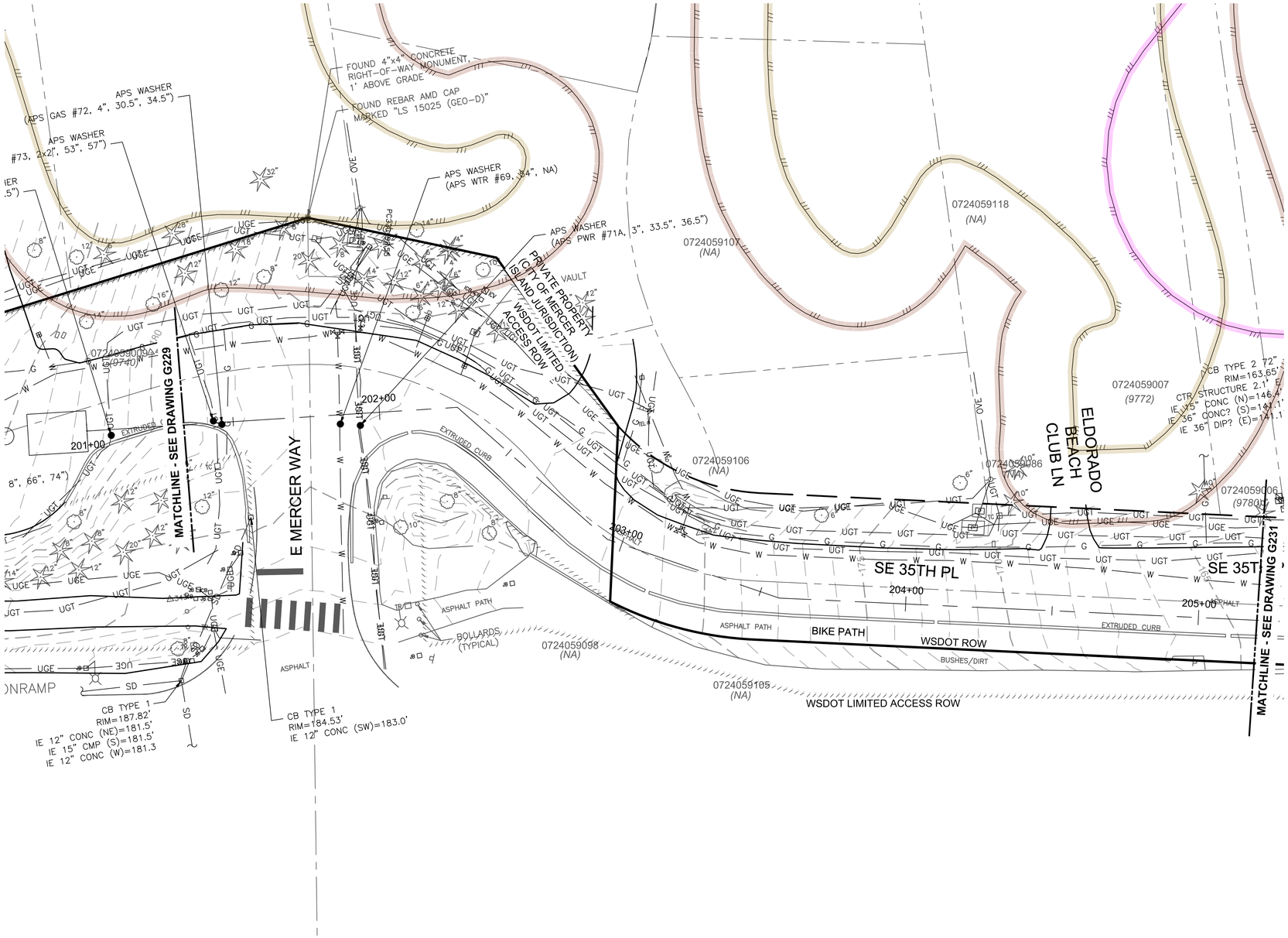
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR TOPOGRAPHIC SURVEY STA 100+00 TO STA 104+50

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G229
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3K67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-G229.dwg
PLOT DATE: 9/26/2019 1:19 PM
PLOTTED BY:D'Auria, Isaac



NOTES:

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CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: N/A	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

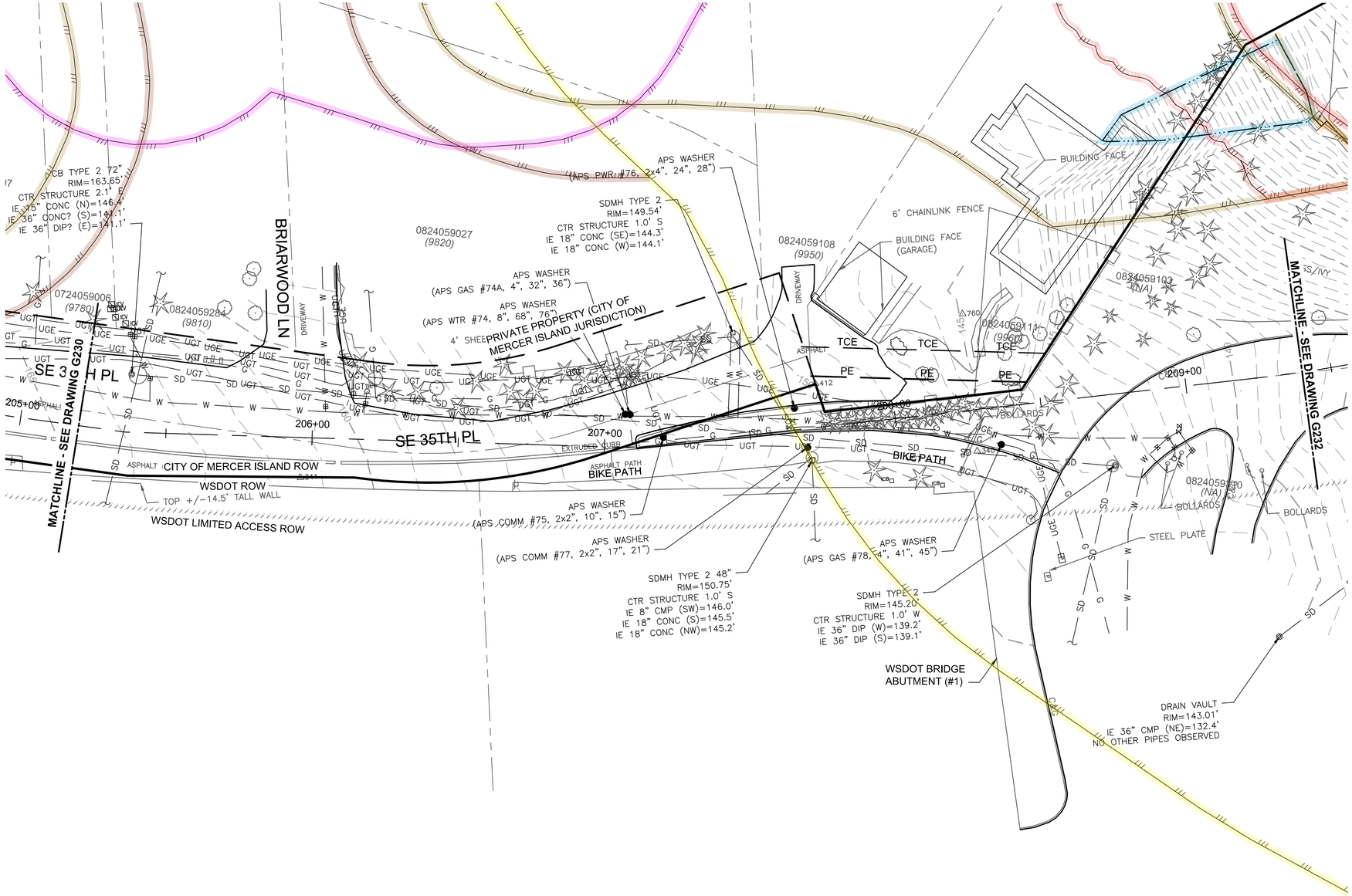
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON TOPOGRAPHIC SURVEY STA 201+00 TO STA 205+20

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G230
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-180011\CAD\SheetFiles\MercerIsland-LUP\SheetFiles\E00306E13-PIPE-G230.dwg
PLOT DATE: 9/26/2019 9:12 AM
PLOTTED BY: Morris, Richard



NOTES:

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2. EXISTING UTILITIES SHOWN AS OF JULY 2019. BETWEEN STATIONS 207+00 AND 209+00, RELOCATION FOR GAS, POWER, AND COMM PLANNED OF PRIOR TO CONTRACT NTP. SEE DRAWING C703.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: N/A	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

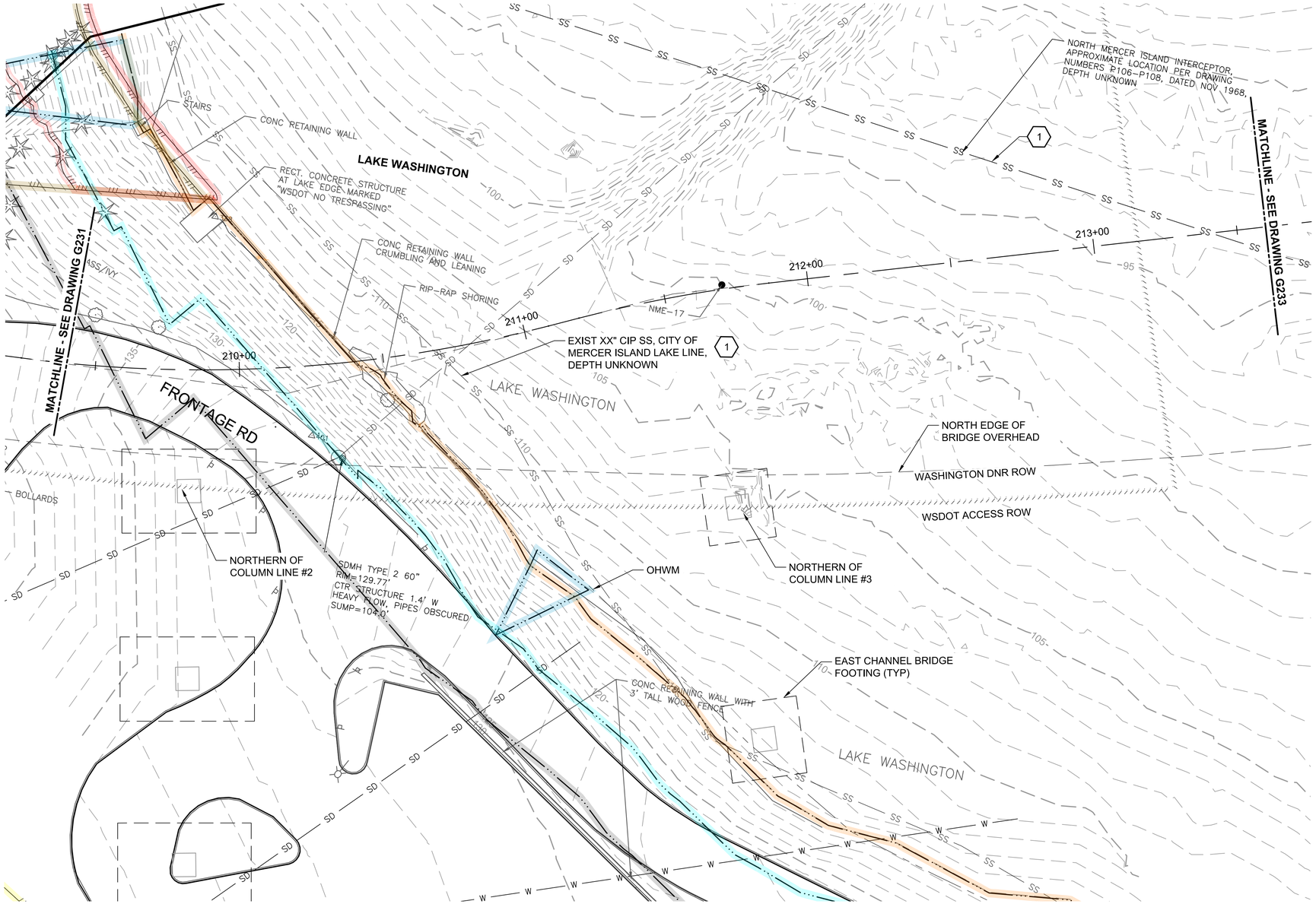
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON TOPOGRAPHIC SURVEY STA 205+20 TO STA 209+40

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G231
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-G231.dwg
PLOT DATE: 9/26/2019 9:13 AM
PLOTTED BY: Morris, Richard



NOTES:

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(#) KEY NOTES:

1. APPROXIMATE LOCATION BY GIS, NOT SURVEYED

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: N/A	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

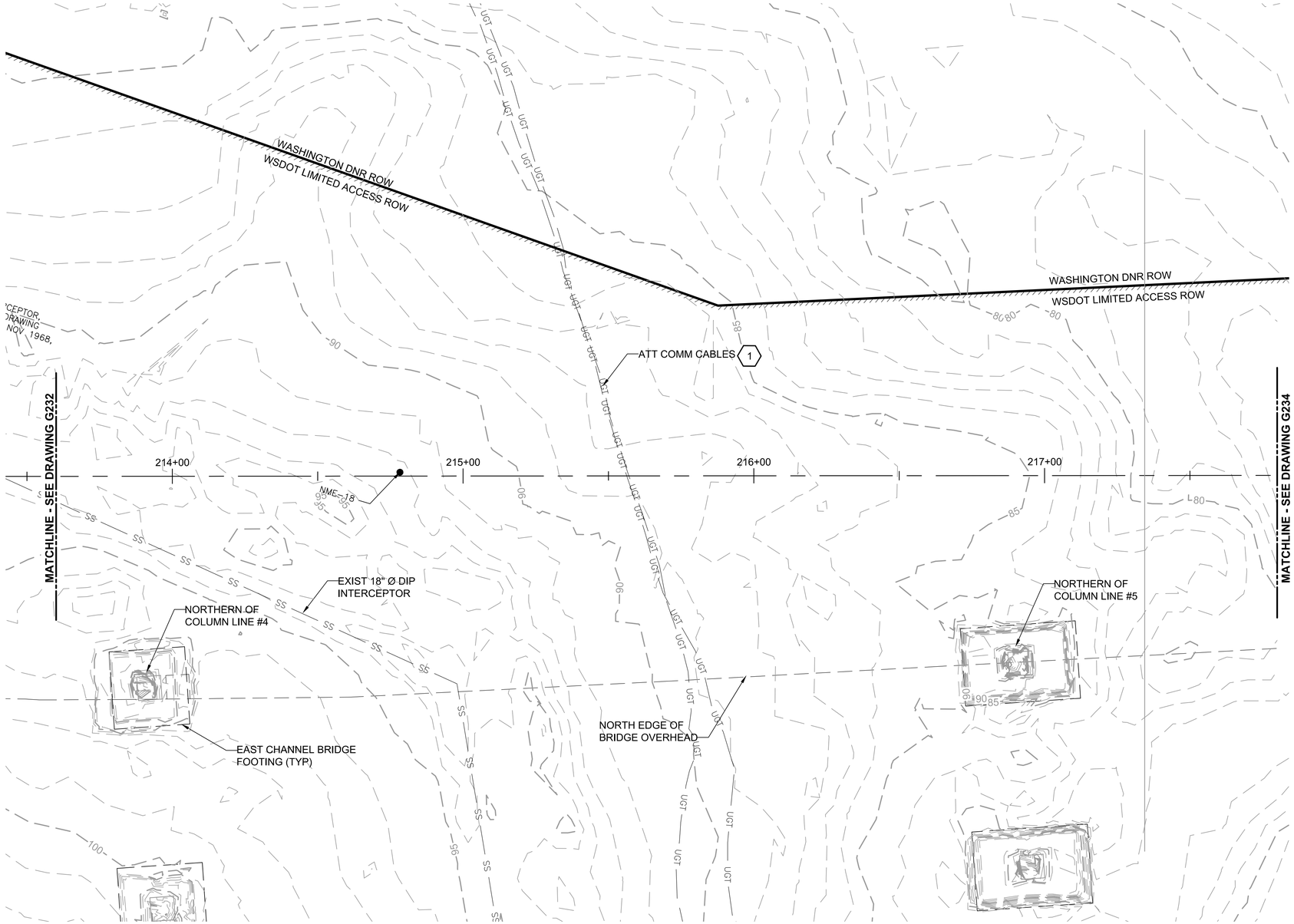
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON TOPOGRAPHIC SURVEY STA 209+40 TO STA 213+60

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G232
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-G232.dwg
PLOT DATE: 9/27/2019 10:15 AM
PLOTTED BY: Morris, Richard



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(#) KEY NOTES:

1. EXISTING AT&T COMM CABLES ON LAKE BED.

FOR REFERENCE ONLY

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: N/A	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

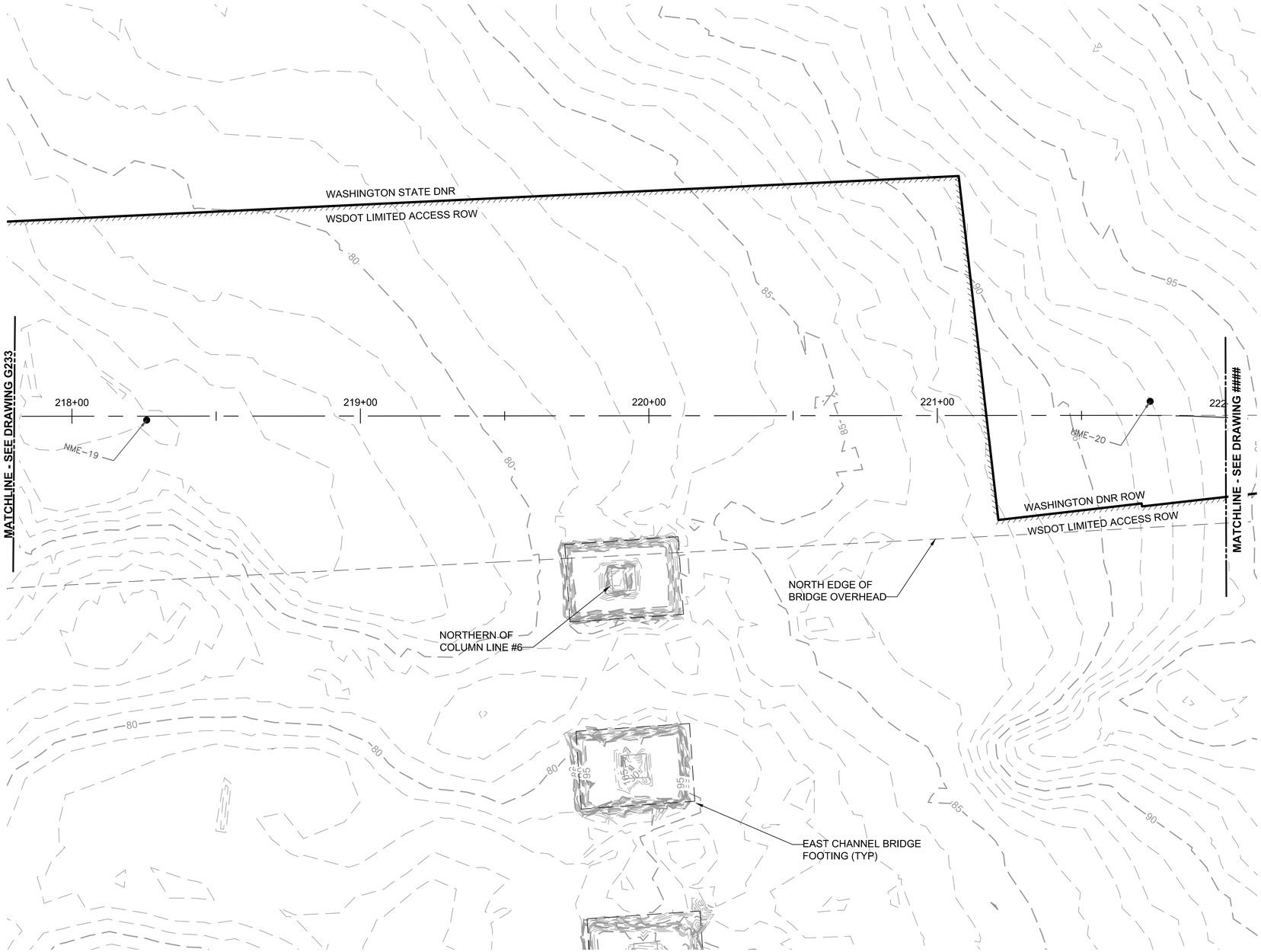
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND
ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON TOPOGRAPHIC SURVEY STA 213+60 TO STA 217+80

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G233
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\125392\200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-G233.dwg
PLOT DATE: 9/26/2019 9:17 AM
PLOTTED BY: Morris, Richard



NOTES:

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FOR REFERENCE ONLY

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: N/A	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

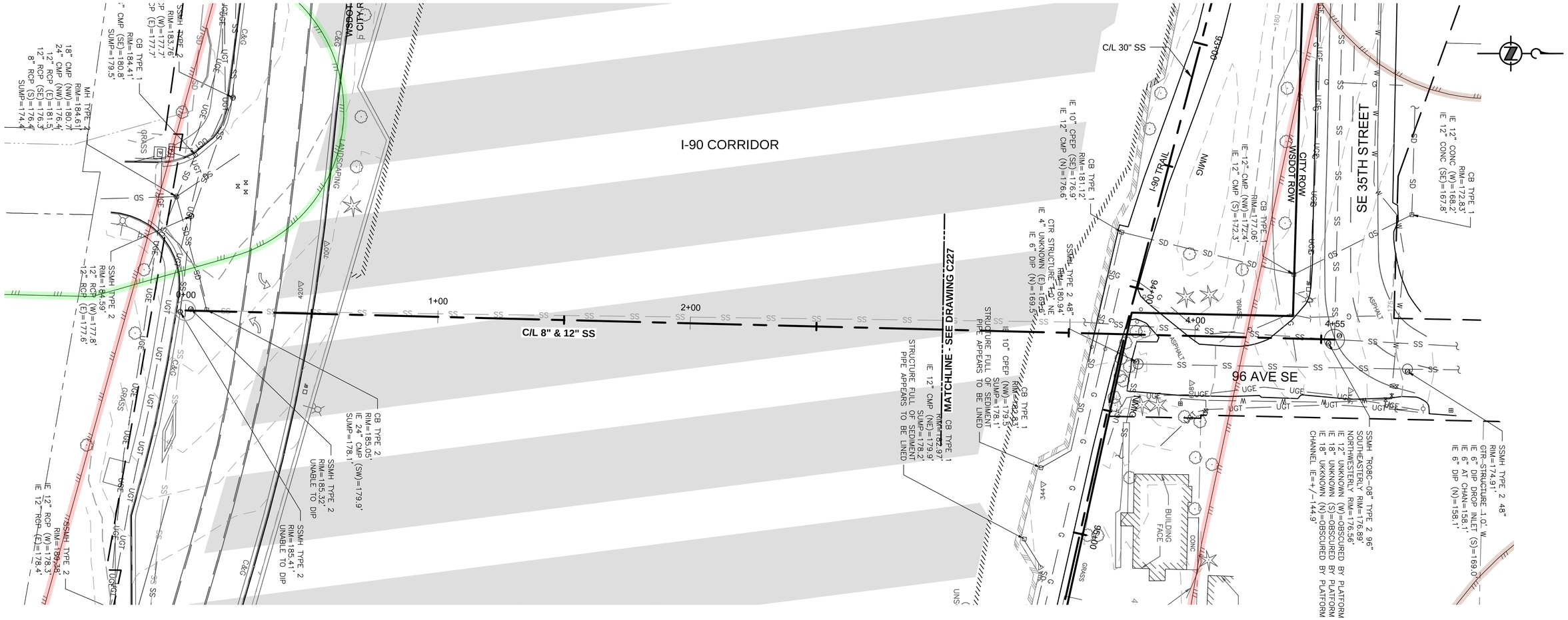
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND
ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON TOPOGRAPHIC SURVEY STA 217+80 TO STA 222+00

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G234
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\125390200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-G234.dwg
PLOT DATE: 9/26/2019 9:18 AM
PLOTTED BY: Morris, Richard



NOTES:

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2. GROUND SURVEY PROVIDED BY 1ALLIANCE GEOMATICS, LLC. SURVEY CONDUCTED OVER SPAN BETWEEN 2016 TO 2019.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

96TH AVE SE SIPHON TOPOGRAPHIC SURVEY

DCN:	TBD
DATE:	9/23/2019
PROJECT FILE NO:	TBD
DRAWING NO:	G240
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13_PIPE_G240.dwg
PLOT DATE: 9/26/2019 1:20 PM
PLOTTED BY: Aurio, Isaac

TEMPORARY EROSION/SEDIMENTATION CONTROL NOTES:

1. THE IMPLEMENTATION OF THESE EROSION & SEDIMENTATION CONTROL PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE EROSION & SEDIMENTATION CONTROL FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.

2. THE BOUNDARIES OF THE WORK LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY MARKED (FLAGGED OR OTHER MARKING) IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE DESIGNATED WORK LIMITS SHALL BE PERMITTED, UNLESS OTHERWISE SHOWN ON THE DRAWINGS. THE MARKED LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL WORK IN THAT AREA HAS BEEN COMPLETED AND REMOVAL HAS BEEN APPROVED BY THE PROJECT REPRESENTATIVE.

3. THE EROSION & SEDIMENTATION CONTROL FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT LADEN WATER DOES NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF SURFACE WATER QUALITY STANDARDS, GROUND WATER STANDARDS, SEDIMENT MANAGEMENT STANDARDS, AND HUMAN HEALTH-BASED CRITERIA IN THE NATIONAL TOXICS RULE (40 CFR PART 131.36) AND WAC 173-201A.

4. THE EROSION & SEDIMENTATION CONTROL FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE EROSION & SEDIMENTATION CONTROL FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS AT NO ADDITIONAL COST TO THE COUNTY.

5. ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 10 DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED EROSION & SEDIMENTATION CONTROL METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION BLANKETS, ETC.).

6. ANY AREA NEEDING EROSION & SEDIMENTATION CONTROL MEASURES, NOT REQUIRING IMMEDIATE ATTENTION. SHALL BE ADDRESSED WITHIN TEN (10) DAYS.

7. AT NO TIME SHALL MORE THAN 6 INCHES OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN OR CATCH BASIN INSERT. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.

8. DURING THE TIME PERIOD OF NOVEMBER 1 THROUGH MARCH 31, ALL PROJECT DISTURBED AREAS GREATER THAN 5,000 SQUARE FEET, THAT ARE TO BE LEFT UNWORKED FOR MORE THAN 12 HOURS, SHALL BE COVERED BY ONE OF THE FOLLOWING COVER MEASURES: MULCH, COMPOST, OR PLASTIC COVERING.

9. THE CONTRACTOR SHALL MARKUP AND RESUBMIT FOR APPROVAL UPDATED TESC PLANS INDICATING LOCATIONS AND SEQUENCING OF MEASURES (FACILITIES AND BMPS) TO BE INSTALLED TO THE PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.

10. STABILIZED CONSTRUCTION ENTRANCES, RUMBLE PLATES AND/OR WHEEL WASH FACILITIES, SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

11. ESC/TESC MEASURES SHALL BE INSPECTED DAILY BY THE CONTRACTOR DURING ACTIVE WORK AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED PROPER FUNCTIONING.

12. THE CONTRACTOR SHALL MAINTAIN A FULLY STOCKED SPILL KIT ON SITE AT ALL TIMES.

13. THE CONTRACTOR SHALL DESIGNATE A PERSON TO BE TESC SUPERVISOR. THE TESC SUPERVISOR SHOULD HAVE THEIR CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) CERTIFICATION. THE TESC SUPERVISOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REVIEW OF ESC/TESC MEASURES AND FOR COMPLIANCE WITH ALL PERMIT CONDITIONS RELATING TO ESC/TESC. THE TESC SUPERVISOR MUST BE AVAILABLE FOR RAPID RESPONSE TO ESC/TESC PROBLEMS. THE CONTRACTOR SHALL PROVIDE THE NAME AND PHONE NUMBERS TO REACH THE TESC SUPERVISOR, AT ALL TIMES, TO THE PROJECT REPRESENTATIVE.

14. SHOULD ESC/TESC MEASURES NOT BE PROPERLY INSTALLED AND MAINTAINED, THE PROJECT REPRESENTATIVE MAY STOP ALL WORK NOT PERTAINING TO THE CORRECTION OF ESC/TESC PROBLEMS UNTIL ESC/TESC MEASURES ARE RETURNED TO THE PROPER OPERATION.

15. ALL ESC/TESC BMPS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.

16. THE PUBLIC RIGHT-OF-WAY SHALL BE KEPT CLEAN. TRACKING OF MUD AND DEBRIS FROM THE SITE WILL NOT BE ALLOWED. FAILURE TO COMPLY WITH THIS CONDITION WILL RESULT IN ALL WORK ON THE SITE BEING STOPPED UNTIL THE ISSUE IS CORRECTED, AT NO COST TO THE COUNTY.

17. SCRAPING AND SWEEPING OF STREETS, SIDEWALKS, AND FLOWLINES SHALL BE CONDUCTED AT THE END OF EACH WORK DAY WITH A VACUUM SWEEPER OR OTHER APPROVED MEANS. VACUUM/CLEAN UP SLURRY CREATED FROM SAW-CUTTING OF PAVEMENTS IMMEDIATELY AFTER OR CONCURRENT WITH CUTTING.

18. THE WASHINGTON STATE CLEAN AIR ACT REQUIRES THE USE OF ALL KNOWN, AVAILABLE, AND REASONABLE MEANS OF CONTROLLING AIR POLLUTION, INCLUDING DUST. DUST CAN BE CONTROLLED BY WETTING EXPOSED SOILS, WASHING TRUCK WHEELS BEFORE THEY LEAVE THE SITE, AND INSTALLING AND MAINTAINING ROCK CONSTRUCTION ENTRANCES. CONSTRUCTION VEHICLE TRACK-OUT IS A MAJOR SOURCE OF DUST AND ANY EVIDENCE OF TRACK-OUT CAN TRIGGER FINES FROM THE DEPARTMENT OF ECOLOGY OR THE PUGET SOUND AIR POLLUTION CONTROL AGENCY THAT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

19. THE CONTRACTOR SHALL IMPLEMENT LINEAR RUN-ON CONTROLS TO PREVENT WATER FROM ENTERING THE CONSTRUCTION AREA.

20. PORTABLE SANITARY FACILITIES SHALL BE LOCATED AT LEAST 25 FEET FROM ANY STORM WATER INLET OR WATER BODY AND SHALL BE SERVICED REGULARLY AS NEEDED.

21. STATIONARY EQUIPMENT (E.G., GENERATORS, LIGHT STANDS) CONTAINING ANY AMOUNT OF FUELS AND OR OILS SHALL BE EQUIPPED WITH SECONDARY CONTAINMENT.

22. CONTRACTORS USING BMPS BASED ON EQUIVALENT LEVEL OF POLLUTION PREVENTION, "DEMONSTRABLY EQUIVALENT", THAT ARE NOT LISTED IN THE ECOLOGY MANUAL SHALL SUBMIT SUPPORTING PERFORMANCE BMP DOCUMENTATION (SCIENTIFIC, TECHNICAL STUDIES, AND/OR MODELING) AND AN ASSESSMENT OF HOW THE SELECTED BMP WILL SATISFY AKART (ALL KNOWN, AVAILABLE AND REASONABLE METHODS OF PREVENTION, CONTROL AND TREATMENT) AND APPLICABLE FEDERAL TECHNOLOGY-BASED TREATMENT (40 CFR PART 125.3) REQUIREMENTS TO ECOLOGY AT LEAST 60 DAYS PRIOR TO USE OF BMP.

23. CONTRACTORS SHALL NOTIFY ECOLOGY OF CHANGES OF INFORMATION PROVIDED ON THE NOTICE OF INTENT (NOI) INCLUDING, BUT NO LIMITED TO, PERMITTEE'S MAILING ADDRESS, ON-SITE CONTACT PERSON INFORMATION, AND AREA/ACREAGE AFFECTED BY CONSTRUCTION ACTIVITY.

24. MONITORING REQUIREMENTS, BENCHMARKS, AND REPORTING TRIGGERS SHALL BE IN ACCORDANCE WITH SECTION S4 OF THE CONSTRUCTION STORMWATER GENERAL PERMIT (CSWGP):

    A. SITES LESS THAN ONE ACRE THAT DISCHARGES STORMWATER TO SURFACE WATERS OF THE STATE IS RECOMMENDED TO HAVE A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) PERSON CONDUCTING SITE INSPECTIONS.

    B. SITES OF ONE ACRE OR LARGER THAT DISCHARGES STORMWATER TO SURFACE WATERS OF THE STATE SHALL HAVE A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) PERSON CONDUCTING SITE INSPECTIONS.

    C. CONTRACTOR SHALL PROVIDE WEEKLY INSPECTIONS AND SAMPLING, BASED ON SITE DISTURBANCE, AS SPECIFIED ON TABLE 3 OF SECTION S4.B.5 OF THE CONSTRUCTION STORMWATER GENERAL PERMIT (CSWGP).

26. WHEN PROBLEMS ARE IDENTIFIED DURING INSPECTIONS, THE CONTRACTOR SHALL:

    A. IMMEDIATELY MAINTAIN APPROPRIATE SOURCE CONTROL AND/OR TREATMENT BMPS.

    B. START IMPLEMENTING APPROPRIATE BMP REVISIONS.

    C. HAVE THE PROBLEM RESOLVED WITHIN 10 DAYS OF THE INSPECTION. IF CORRECTION TO THE PROBLEM CANNOT BE IMPLEMENTED WITHIN 10 DAYS, THE CONTRACTOR SHALL SUBMIT AN EXTENSION REQUEST FORM TO ECOLOGY WITHIN THE INITIAL 10-DAY RESPONSE PERIOD.

27. REPORTING AND RECORD KEEPING REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION S5 OF THE CONSTRUCTION STORMWATER GENERAL PERMIT (CSWGP):

    A. IF HIGH TURBIDITY REPORTING LEVELS ARE REACHED, THE INSPECTOR SHALL EITHER CALL THE APPLICABLE ECOLOGY REGION'S ENVIRONMENTAL REPORT TRACKING SYSTEM NUMBER WITHIN 24-HOURS OF ANALYSIS OR SUBMIT AN ELECTRONIC REPORT THROUGH ECOLOGY'S WATER QUALITY PERMITTING PORTAL.

    B. DISCHARGE MONITORING REPORTS (DMRS) SHALL BE SUBMITTED USING ECOLOGY'S WATER QUALITY PERMITTING PORTAL. INSPECTORS UNABLE TO ACCESS THE PERMITTING PORTAL SHALL REQUEST A WAIVER AND OBTAIN INSTRUCTION FROM ECOLOGY.

    C. DMRS SHALL BE RECEIVED BY ECOLOGY WITHIN 15 DAYS FOLLOWING THE END OF EACH MONTH.

28. THE CONTRACTOR SHALL KEEP THE GENERAL PERMIT, THE PERMIT COVERAGE LETTER, THE STORMWATER POLLUTION PREVENTION PLAN, AND THE SITE LOG BOOK ON SITE OR WITHIN REASONABLE ACCESS TO THE SITE.

TESC CONSTRUCTION SEQUENCE:

1. ERECT SILT FENCE, WATTLES, TREE PROTECTION, AND HIGH VISIBILITY FENCING AS SHOWN ON THE PLANS AND AS DIRECTED BY THE PROJECT REPRESENTATIVE.

2. INSTALL CATCH BASIN INSERTS IN ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS AND THE FIRST CATCH BASIN DOWNSTREAM OF THE PROJECT IF APPLICABLE.

3. INSTALL CULVERT INLET PROTECTION AND INSTALL CURB AND GUTTER BARRIER PROTECTION.

4. CLEAR AND GRUB AND OTHERWISE PREPARE THE SITE AS NEEDED TO COMPLETE WORK. PROTECT VEGETATION AND STRUCTURES AS NOTED ON THE PLANS.

5. CONSTRUCT IMPROVEMENTS. INSTALL CATCH BASIN INSERTS ON ALL NEWLY INSTALLED CATCH BASINS.

6. RESTORE THE SITE AS SHOWN ON THE DWGS.

7. CLEAN CATCH BASINS AND CONVEYANCE SYSTEM. CONTRACTOR SHALL NOT FLUSH CLEANING WATER DOWNSTREAM.

8. REMOVE REMAINING TEMPORARY EROSION/SEDIMENTATION CONTROL DEVICES AND TREE PROTECTION ONLY AFTER SITE HAS BEEN STABILIZED AND PROJECT REPRESENTATIVE HAS APPROVED REMOVAL.

TREE NOTES:

1. GENERAL TREE PROTECTION PROCEDURES ARE SHOWN ON DETAIL 4/C002.

2. INDIVIDUAL TREE PROTECTION REQUIREMENTS ARE SHOWN IN THE TREE INVENTORY TABLES REPRESENTED ON DRAWINGS C005 THRU C013.

3. TREE IDENTIFICATION NUMBERS CORRESPOND TO TREE IDENTIFICATION TAGS DISPLAYED IN THE SITE PREPARATION DRAWINGS C201 THRU C331.

4. FURTHER INFORMATION REGARDING TREES CAN BE FOUND IN THE ARBORIST REPORT.

5. WHEN THE LOD OF A PROTECTED TREE EXTENDS BEYOND THE TREE PROTECTION FENCING, THE CONTRACTOR SHALL MARK THE LIMITS OF THE LOD WITH SURVEYORS PAINT OR FLAGS. LIMITS SHALL BE MAINTAINED DURING ALL EXCAVATION ACTIVITIES IN THE AREA.

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

SITE PREPARATION GENERAL NOTES

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DATE:	
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SHT NO / TOTAL	075 / 438
REV NO:	

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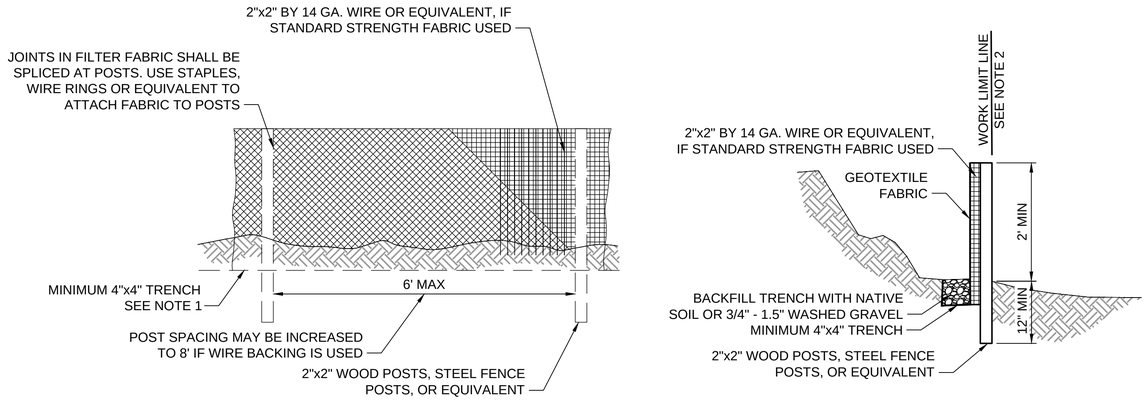
PLOTTED BY: D'Auria, Isaac



NOTES:

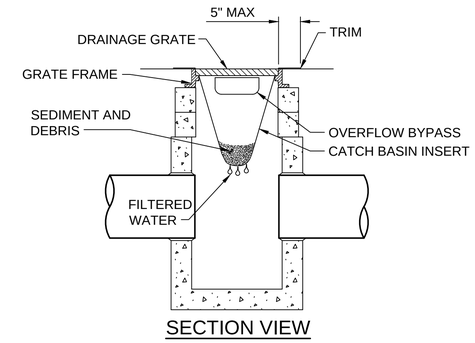
1. SILT FENCE LOCATED WITHIN A TREE PROTECTION ZONE TO UTILIZE SAND BAGS IN LIEU OF TRENCHING TO SECURE BOTTOM OF GEOTEXTILE FABRIC.
2. WHEN SILT FENCE IS SHOWN ADJACENT TO WORK LIMITS ON THE DRAWINGS, PLACE FENCE AS CLOSE AS PRACTICAL TO THE WORK LIMITS LINE.

SILT FENCE

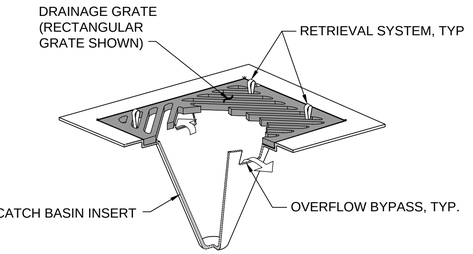
DETAIL 1 VAR

SCALE: NTS

SOURCE: AMENDED 2014 SWMMWW



SECTION VIEW



ISOMETRIC VIEW

NOTES:

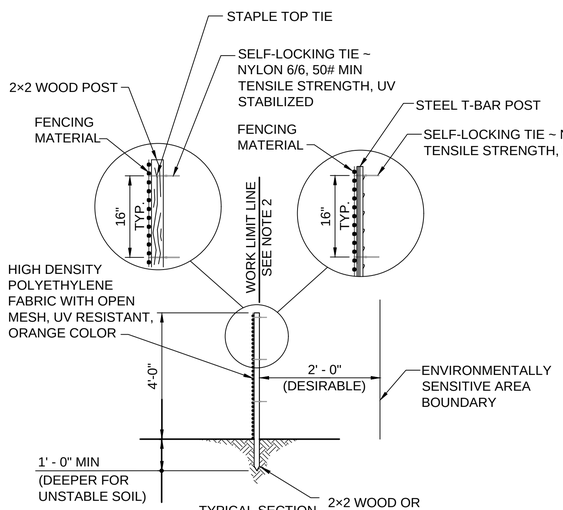
1. SIZE THE CATCH BASIN INSERT FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
2. THE CATCH BASIN INSERT SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
3. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE CATCH BASIN INSERT WITHOUT SPILLING THE COLLECTED MATERIAL.
4. PERFORM MAINTENANCE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-01.3(15).

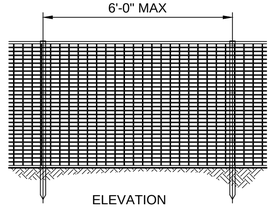
STORM DRAIN INLET PROTECTION

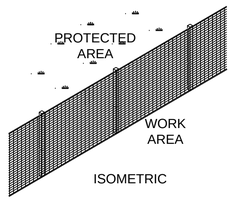
DETAIL 2 VAR

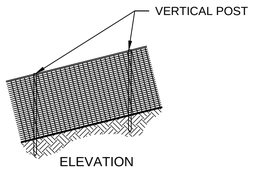
SCALE: NTS

SOURCE: 2016 WSDOT









NOTES:

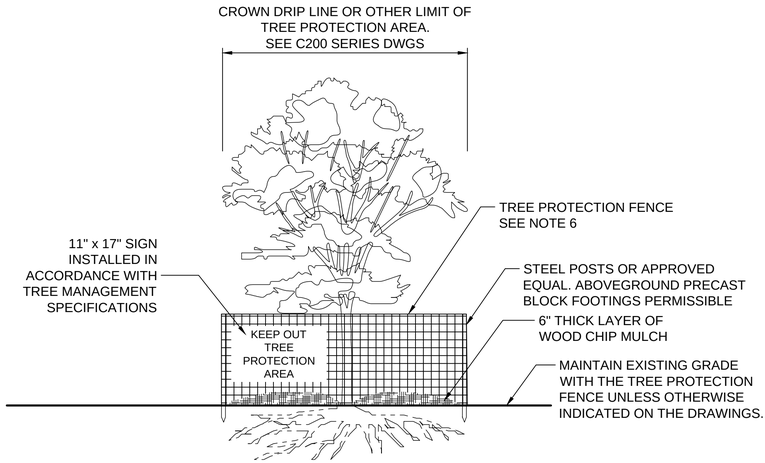
1. THE CONTRACTOR IS TO PLACE THE FENCE AS CLOSE AS PRACTICAL TO THE EDGE OF PAVEMENT WHEN SHOWN ON DRAWINGS.
2. WHEN HVF IS SHOWN ADJACENT TO WORK LIMITS ON THE DRAWINGS, PLACE FENCE AS CLOSE AS PRACTICAL TO THE WORK LIMITS LINE.

HIGH VISIBILITY FENCE

DETAIL 3 VAR

SCALE: NTS

SOURCE: 2016 WSDOT



SECTION VIEW

NOTES:

1. NO PRUNING SHALL BE PERFORMED UNLESS UNDER THE DIRECTION OF AN ARBORIST.
2. NO EQUIPMENT SHALL BE STORED OR OPERATED INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
3. NO STORAGE OF MATERIALS SHALL OCCUR INSIDE THE PROTECTIVE FENCING.
4. UNAUTHORIZED ACTIVITIES IN TREE PROTECTION AREA SHALL REQUIRE EVALUATION BY ARBORIST TO IDENTIFY IMPACTS AND MITIGATION REQUIRED.
5. EXPOSED ROOTS: FOR ROOTS > 1" DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVED DAMAGED PORTION AND INFORM CITY ARBORIST.
6. REFER TO DRAWINGS C005 THRU C013 FOR THE EXISTING TREE INVENTORY FOR PROTECTION REQUIREMENT NOTES.

TREE PROTECTION

DETAIL 4 VARIES

SCALE: NTS

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

SITE PREPARATION
TESC DETAILS
SHEET 1 OF 3

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DATE:	
PROJECT FILE NO:	TBD
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SHT NO / TOTAL	076 / 438
REV NO:	

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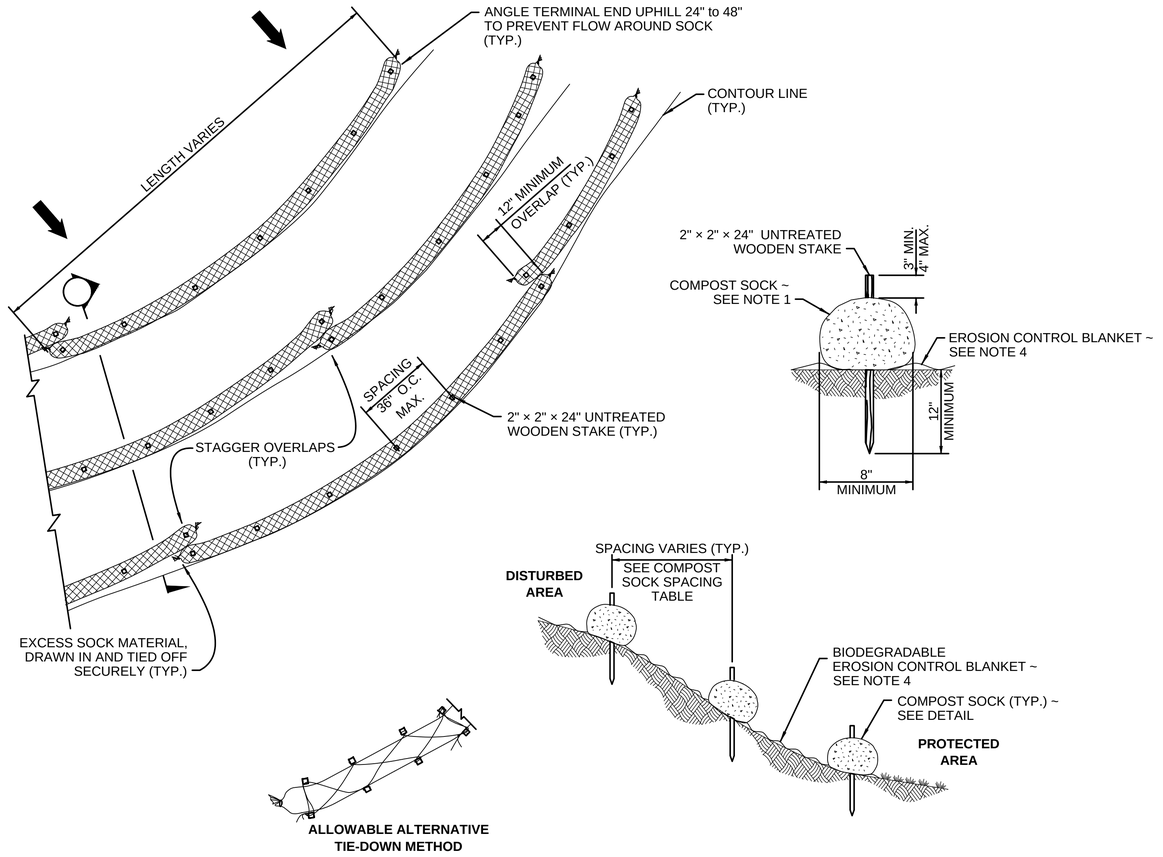


NOTES:

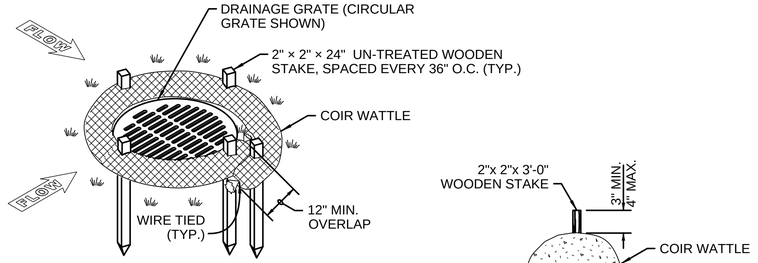
1. SECURELY KNOT EACH END OF COMPOST SOCK. OVERLAP ADJACENT COMPOST SOCK ENDS 12" BEHIND ONE ANOTHER AND SECURELY TIE TOGETHER.
2. COMPOST TO BE DISPERSED ON SITE AS DETERMINED BY THE ENGINEER, WHEN VEGETATION COVERS THE SURFACE.
3. INSTALL COMPOST SOCK PERPENDICULAR TO FLOW, ALONG CONTOURS.
4. REMOVE SEDIMENT FROM THE UP SLOPE SIDE OF THE COMPOST SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE COMPOST SOCK.

8" DIAMETER COMPOST SOCK SPACING TABLE	
SLOPE	MAXIMUM SPACING
1H : 1V	10' – 0"
2H : 1V	20' – 0"
3H : 1V	30' – 0"
4H : 1V	40' – 0"

COMPOST SOCK

DETAIL 1 / -

SCALE: NTS



NOTES:

1. SECURELY KNOT EACH END OF WATTLE. OVERLAP ADJACENT LOG ENDS 12" BEHIND ONE-ANOTHER AND SECURELY TIE TOGETHER.
2. COMPACT EXCAVATED SOIL AND TRENCHES TO PREVENT UNDERCUTTING. ADDITIONAL STAKING MAY BE NECESSARY TO PREVENT UNDERCUTTING.
3. WATTLE SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCED RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.

TYPICAL SECTION

YARD INLET PROTECTION

DETAIL 2 / C101

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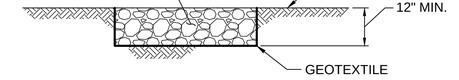
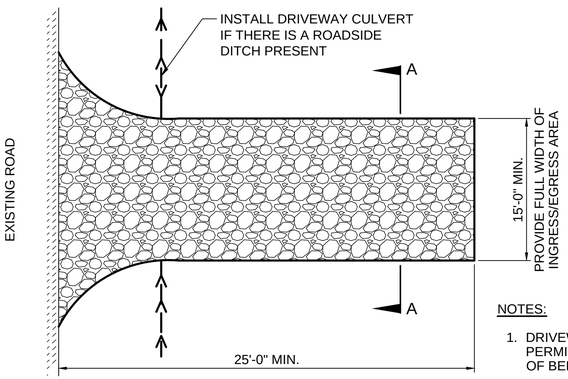


SECTION "A-A"



NOTES:

1. DRIVEWAY SHALL MEET THE REQUIREMENTS OF THE ROW PERMITTING AGENCY (WSDOT, CITY OF MERCER ISLAND, OR CITY OF BELLEVUE).
2. IT IS RECOMMENDED THAT THE ENTRANCE BE SLOPED SO THAT THE RUNOFF DRAINS OFF THE PAD.

CONSTRUCTION ENTRANCE

DETAIL 3 / C101

SCALE: NTS

FOR REFERENCE ONLY

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NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

SITE PREPARATION TESC DETAILS SHEET 2 OF 3

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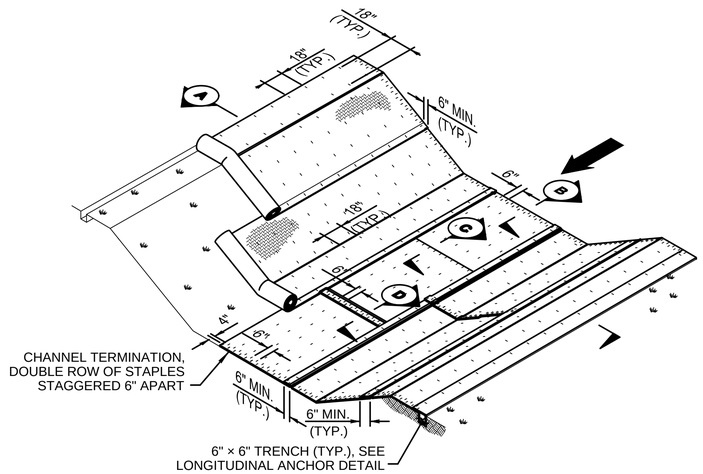
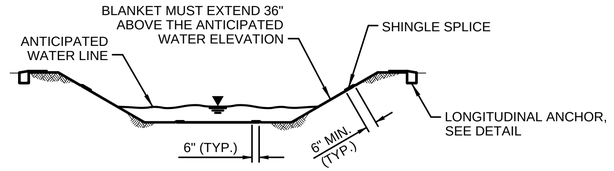


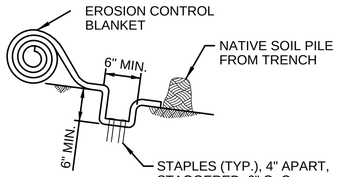
ISOMETRIC VIEW
SCALE: NTS

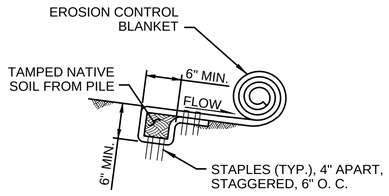


SECTION A
SCALE: NTS

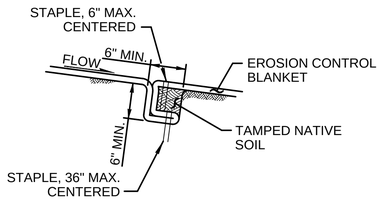
NOTES:

1. MORE THAN THE MINIMUM OF ONE FASTENER PER SQUARE YARD MAY BE REQUIRED DUE TO CONDITIONS SUCH AS BLANKET COMPOSITION, SOIL TYPE, SURFACE UNIFORMITY, AND FLOW VELOCITY.
2. PROVIDE CHECK SLOTS PER MANUFACTURER'S RECOMMENDATIONS.
3. USE MANUFACTURER'S REQUIREMENTS. WHEN MANUFACTURER'S REQUIREMENTS ARE NOT PROVIDED, USE INSTALLATION REQUIREMENTS SHOWN ON STANDARD PLAN.
4. ADDITIONAL STAPLES MAY BE REQUIRED FOR HIGH FLOW EXPOSURE.
5. PREPARE SMOOTH SLOPE.
6. AMEND SOIL AND SEED, AS SPECIFIED.
7. DIG ANCHOR TRENCH. SET ASIDE NATIVE SOIL REMOVED FROM TRENCH.
8. SECURE BLANKET IN ANCHOR TRENCH, STAKING OR STAPLING BLANKET AS SHOWN.
9. REPLACE NATIVE SOIL PREVIOUSLY REMOVED FROM TRENCH.
10. ROLL BLANKET PARALLEL TO THE SLOPE IN A CONTROLLED MANNER, TAKING CARE TO REMOVE EXCESS SLACK, AND TAKING CARE NOT TO STRETCH BLANKET.
11. STAKE OR STAPLE BLANKET AS SHOWN SO THERE ARE NO GAPS BETWEEN THE BLANKET AND THE SOIL. STAPLE WHILE UNROLLING BLANKET TO MINIMIZE WALKING ON BLANKET.



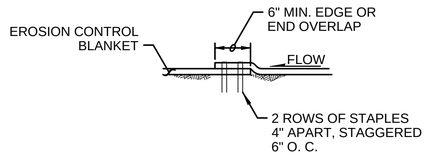


SECTION B
SCALE: NTS



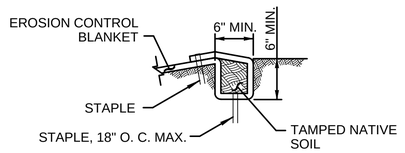
INTERMITTENT CHECK SLOT

SECTION C
SCALE: NTS



SHINGLE SPLICE AT END OF ROLL SECTION

SECTION D
SCALE: NTS



LONGITUDINAL ANCHOR DETAIL

BIODEGRADABLE EROSION CONTROL BLANKET

DETAIL 1 / C101
SCALE: NTS

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

SITE PREPARATION TESC DETAILS SHEET 3 OF 3

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C004
SHT NO / TOTAL	078 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C004.dwg
PLOT DATE: 9/9/2019 4:23 PM
PLOTTED BY: D'Auria, Isaac

EXISTING TREE INVENTORY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
1010312	OREGON ASH	11.3		8	PROTECT	COMI	TBD
1010313	OREGON ASH	10.4		7	PROTECT	COMI	TBD
1010314	CORNELIAN CHERRY	16.8		11	PROTECT	COMI	TBD
184	VINE MAPLE		3.5, 3.0, 2.5, 2.5	4	PROTECT	WSDOT	TBD
185	VINE MAPLE		4.0, 4.0, 3.0	4	PROTECT	WSDOT	TBD
187	VINE MAPLE		3.0, 2.5, 1.0, 1.5, 1.25	3	PROTECT	WSDOT	TBD
188	VINE MAPLE		1.5, 1.5, 1.0, 1.0, 1.0	2	PROTECT	WSDOT	TBD
189	VINE MAPLE		4.5, 4.5, 4.5, 3.0	6	PROTECT	WSDOT	TBD
190	VINE MAPLE		1.5, 1.0, 1.0, 1.0	2	PROTECT	WSDOT	TBD
191	VINE MAPLE		2.5, 2.5, 2.0, 2.0, 1.5, 1.5, 1.5, 1	4	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
192	VINE MAPLE		3.5, 3.5, 3.5, 1.0	4	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
193	VINE MAPLE		1.5, 2.0, 2.5, 2.0	3	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
194	VINE MAPLE		2.5, 1.0, 1.5	2	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
195	VINE MAPLE		2.5, 2.0, 1.5, 1.0	2	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
196	VINE MAPLE		1.5, 1.0, 1.0, .5	1	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
197	VINE MAPLE		1.5, 1.5, 1.0, 1.0, 1.0, 1.0, 1.0, 1.5	2	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
198	VINE MAPLE		1.5, 1.0, 1.2	1	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
199	VINE MAPLE		2.0, 1.5, 1.5	2	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
200	VINE MAPLE		1.5, 1.2, 1.2, 1.2, 1.0, 1.0, 1.0, 1.0, 1.0	2	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
201	VINE MAPLE		2.5, 1.5, 1.5, 1.5, 1.0, 1.0, 1.0	3	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
202	VINE MAPLE		3.5, 3.0, 3.0, 2.5, 2.8	4	PROTECT	WSDOT	TBD
203	VINE MAPLE		3.5, 3.0, 3.0, 2.5	4	PROTECT	WSDOT	TBD
204	VINE MAPLE		4.0, 3.5, 3.0, 3.0, 2.5, 2.5, 2.0, 2.5, 3.5	6	PROTECT	WSDOT	TBD
205	NORWAY MAPLE	16.5		11	PROTECT	WSDOT	TBD
206	NORWAY MAPLE	17.0		11	PROTECT	WSDOT	TBD
207	NORWAY MAPLE	15.0		10	PROTECT	WSDOT	TBD
208	NORWAY MAPLE	11.0		7	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
209	NORWAY MAPLE	6.0		4	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
210	NORWAY MAPLE	9.5		6	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
211	NORWAY MAPLE	10.2		7	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
212	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
213	DOUGLAS-FIR	9.0		6	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
214	DOUGLAS-FIR	8.0		5	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
215	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
216	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
217	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24114	ASH	13.0		9	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24115	ASH	15.0		10	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24116	ASH	11.0		7	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24117	ASH	12.0		8	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24118	ASH	12.5		8	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24119	DOUGLAS-FIR	18.0		12	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24120	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24121	WESTERN REDCEDAR	14.0		9	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24122	WESTERN REDCEDAR	11.0		7	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24123	NORWAY MAPLE	11.0		7	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24124	NORWAY MAPLE	11.0		7	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24125	DOUGLAS-FIR	14.0		9	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24126	DOUGLAS-FIR	13.0		9	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24127	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24128	DOUGLAS-FIR	14.0		9	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24129	DOUGLAS-FIR	15.0		10	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24130	NORWAY MAPLE	14.0		9	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24131	NORWAY MAPLE	12.2		8	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24132	NORWAY MAPLE	8.5		6	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24133	NORWAY MAPLE	10.5		7	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
24134	NORWAY MAPLE	13.0		9	PROTECT	WSDOT	CHAINLINK FENCING 20 FT FROM TREE
98	RED OAK	9.6		6	PROTECT	COMI	CLEARANCE PRUNING
99	RED OAK	14.3		10	PROTECT	COMI	CLEARANCE PRUNING

EXISTING TREE INVENTORY (CONT.)

FOR REFERENCE ONLY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
100	RED OAK	9.3		6	PROTECT	COMI	TBD
101	RED OAK	11.0		7	PROTECT	COMI	TBD
102	RED OAK	8.0		5	PROTECT	COMI	TBD
103	RED OAK	9.5		6	PROTECT	COMI	TBD
104	RED OAK	12.5		8	PROTECT	COMI	TBD
105	RED OAK	17.2		11	PROTECT	COMI	TBD
106	ROCKY MOUNTAIN MAPLE		2.5, 2.5, 3.9, 3.3	4	PROTECT	COMI	TBD
107	ROCKY MOUNTAIN MAPLE		4.4, 2.4, 2.7	4	PROTECT	COMI	TBD
108	BIGLEAF MAPLE		3.6, 2.5, 2.5, 2.7	4	PROTECT	COMI	TBD
109	BIGLEAF MAPLE		8.0, 6.8	7	PROTECT	COMI	TBD
110	BIGLEAF MAPLE		2.7, 4.0, 4.0	4	PROTECT	COMI	TBD
111	BIGLEAF MAPLE		5.2, 6.3	5	PROTECT	COMI	TBD
112	COMMON HAWTHORN		4.0, 5.0, 4.6, 3.6, 3.5	6	PROTECT	COMI	TBD
113	BIGLEAF MAPLE		8.0, 8.2	8	PROTECT	COMI	TBD
114	DEAD -- DOUGLAS-FIR	15.2		0	REMOVE	COMI	TBD
115	BIGLEAF MAPLE	7.0		5	PROTECT	COMI	TBD
116	DOUGLAS-FIR	11.2		7	PROTECT	COMI	TBD
117	DEAD -- DOUGLAS-FIR	15.0		0	REMOVE	COMI	TBD
118	DOUGLAS-FIR	14.0		9	PROTECT	COMI	TBD
119	PACIFIC MADRONE		2.1,4.0	3	PROTECT	COMI	TBD
120	WILLOW		8.0, 10.0, 8.0, 10.0	12	PROTECT	COMI	CLEARANCE PRUNING
121	WILLOW		8.0, 7.0,	7	PROTECT	COMI	CLEARANCE PRUNING
122	WILLOW	10.0		7	PROTECT	COMI	CLEARANCE PRUNING
123	EUROPEAN WHITE BIRCH		9.6, 9.7	9	PROTECT	COMI	TBD
124	OREGON ASH	11.3		8	PROTECT	COMI	TBD
125	DOUGLAS-FIR	15.8		11	PROTECT	COMI	TBD
126	BIGLEAF MAPLE		8.5, 15.7	12	PROTECT	COMI	TBD
127	RED ALDER	14.4		14	PROTECT	COMI	TBD
128	WILLOW		14.0, 16.0	21	PROTECT	COMI	CLEARANCE PRUNING
129	WILLOW		8.0, 9.0, 12.0	17	PROTECT	COMI	CLEARANCE PRUNING
130	OREGON ASH	16.3		16	PROTECT	COMI	TBD
131	OREGON ASH	18.0		18	PROTECT	COMI	TBD
132	COMMON HAWTHORN		6.0, 6.0, 4.0, 5.0 2.0	11	PROTECT	COMI	TBD
19593	BLACK COTTONWOOD	23.0		23	REMOVE	COMI	
18234	PURPLE LEAF PLUM	15.0		10	PROTECT	COMI	CHAINLINK FENCING AT PAVEMENT EDGE
18235	PURPLE LEAF PLUM	15.0		10	PROTECT	COMI	CHAINLINK FENCING AT PAVEMENT EDGE
18236	PURPLE LEAF PLUM	14.0		9	PROTECT	COMI	CHAINLINK FENCING AT PAVEMENT EDGE
18274	WESTERN REDCEDAR	24.0		24	PROTECT	PRIVATE	PLACE CHAINLINK FENCING WITHIN 2 FT OF TRENCH WALL
18356	GIANT SEQUOIA	72.0		72	PROTECT	PRIVATE	PLACE CHAINLINK FENCING WITHIN 2 FT OF TRENCH WALL
18364	WESTERN REDCEDAR	30.0		30	PROTECT	COMI	PLACE CHAINLINK FENCING WITHIN 2 FT OF TRENCH WALL
18366	WESTERN REDCEDAR	18.0		18	PROTECT	PRIVATE	PLACE CHAINLINK FENCING WITHIN 2 FT OF TRENCH WALL
17940	SCOTCH PINE	17.4		12	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT, NOT GRAVEL. NOTE ON DWG "REMOVAL OF ASPHALT WITHIN 15 FT OF TREE REQUIRES ARBORIST PRESENT".
17941	DEODAR CEDAR	37.0		37	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT, NOT GRAVEL. NOTE ON DWG "REMOVAL OF ASPHALT WITHIN 15 FT OF TREE REQUIRES ARBORIST PRESENT".
17942	DOUGLAS-FIR	16.8		11	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT, NOT GRAVEL. NOTE ON DWG "REMOVAL OF ASPHALT WITHIN 15 FT OF TREE REQUIRES ARBORIST PRESENT".
17990	HORNBEAM				PROTECT	COMI	LIMIT ROOT DISTURBANCE WITHIN 5 FT OF TREE
18061	ELM	25.1		17	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT, NOT GRAVEL. NOTE ON DWG "REMOVAL OF ASPHALT WITHIN 15 FT OF TREE REQUIRES ARBORIST PRESENT".
18062	SILVER MAPLE	34.4		34	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT, NOT GRAVEL. NOTE ON DWG "REMOVAL OF ASPHALT WITHIN 15 FT OF TREE REQUIRES ARBORIST PRESENT".
18267	EASTERN WHITE PINE	12.0		8	PROTECT	PRIVATE	OVERHEAD CLEARANCE ISSUES. KEEP FENCE OUTSIDE OF DRIP LINE.
18268	NORWAY SPRUCE	20.0		13	PROTECT	PRIVATE	OVERHEAD CLEARANCE ISSUES. KEEP FENCE OUTSIDE OF DRIP LINE.
36417	HORNBEAM				PROTECT	COMI	LIMIT ROOT DISTURBANCE WITHIN 5 FT OF TREE
36418	HORNBEAM				PROTECT	COMI	LIMIT ROOT DISTURBANCE WITHIN 5 FT OF TREE

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON
SCALE: NTS
PROJECT ENGINEER: J. CHAE
REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE
FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ
CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

EXISTING TREE INVENTORY SHEET 1 OF 9

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C005
SHT NO / TOTAL: 079 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C005.dwg
PLOT DATE: 9/17/2019 12:03 PM
PLOTTED BY: D'Aurio, Isaac

EXISTING TREE INVENTORY (CONT.)

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
17697	WESTERN REDCEDAR		20, 22	30	PROTECT	COMI	INSTALL CHAINLINK FENCING AT EDGE OF GRAVEL
17698	WESTERN REDCEDAR		10,9,11,9	20	PROTECT	COMI	INSTALL CHAINLINK FENCING AT EDGE OF GRAVEL
17699	WESTERN REDCEDAR	28.0		28	PROTECT	COMI	INSTALL CHAINLINK FENCING AT EDGE OF GRAVEL
17773	DOUGLAS-FIR	24.0		16	PROTECT	PRIVATE	CHAINLINK FENCE OUTSIDE OF MLOD
17791	JAPANESE RED PINE	15.1		10	PROTECT	COMI	INSTALL CHAINLINK FENCE AT EDGE OF ASPHALT
17974	WESTERN REDCEDAR	36.0		36	PROTECT	PRIVATE	CHAINLINK FENCE AT GRAVEL/ASPHALT EDGE
9	SLIPPERY ELM	24.0		16	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT
10	LOMBARDY POPLAR	24.0		16	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT
11	LOMBARDY POPLAR	24.0		16	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT
12	LOMBARDY POPLAR	24.0		16	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT
13	WESTERN REDCEDAR	24.0		24	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT
17152	DOUGLAS-FIR	32.2		32	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; SIGNAGE
17202	COAST REDWOOD	60.0		60	PROTECT	PRIVATE	CHAINLINK FENCE AT EDGE OF ASPHALT, HAVE ARBORIST PRESENT DURING EXCAVATION. DO NOT ALLOW ROOTS TO BE RIPPED.
17312	WESTERN REDCEDAR	28.8		29	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT
36415	SHORE PINE	15.8		11	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT
16541	INCENSE CEDAR		11.4,11	11	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16542	INCENSE CEDAR	15.1		10	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16543	INCENSE CEDAR		10.5,11	10	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16599	INCENSE CEDAR	13.0		9	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16600	INCENSE CEDAR		10,9	9	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16601	INCENSE CEDAR	17.8		12	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16687	DOUGLAS-FIR	28.4		19	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16877	RED MAPLE	12.0		8	PROTECT	COMI	INSTALL CHAINLINK FENCE AT EDGE OF ASPHALT
16408	INCENSE CEDAR	15.5		10	PROTECT	COMI	TBD
16409	INCENSE CEDAR	11.2		7	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16410	INCENSE CEDAR	11.0		7	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16411	INCENSE CEDAR	13.8		9	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16412	INCENSE CEDAR	12.2		8	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16413	INCENSE CEDAR	11.5		8	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16414	INCENSE CEDAR	14.6		10	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
16415	INCENSE CEDAR	19.5		13	PROTECT	COMI	TBD
24339	INCENSE CEDAR		14.8, 10	12	REMOVE	COMI	
16416	INCENSE CEDAR	25.5		17	PROTECT	COMI	MAINTAIN FENCING AT EDGE OF SIDEWALK UNTIL DEMOLITION OF SIDEWALK. ARBORIST MUST BE PRESENT ON SITE WHEN EXCAVATION OCCURS FOR THE VAULT.
24336	VINE MAPLE		2, 2, 2, 2, 1.5, 1, 1, 1, 1	3	PROTECT	COMI	KEEP ROOT BALL MOIST DURING EXCAVATION; MULCH, AND COVER EXPOSED SOIL (FACE OF EXCAVATION) WITH CLEAR PLASTIC TO KEEP FROM DRYING OUT.
24337	HINOKI SYPRESS	6.5		4	PROTECT	COMI	KEEP ROOT BALL MOIST DURING EXCAVATION; MULCH, AND COVER EXPOSED SOIL (FACE OF EXCAVATION) WITH CLEAR PLASTIC TO KEEP FROM DRYING OUT.
24338	VINE MAPLE		3, 3, 3, 3, 2, 2	4	REMOVE	COMI	
50179	RED MAPLE	7.5		5	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
50180	HINOKI SYPRESS	3.0		2	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
50181	HINOKI SYPRESS	3.0		2	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
50182	RED MAPLE	7.6		5	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
50183	HINOKI SYPRESS	4.0		3	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
50185	RED MAPLE	7.2		5	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
50186	HINOKI SYPRESS	7.0		5	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
50188	RED MAPLE	7.7		5	PROTECT	COMI	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.

EXISTING TREE INVENTORY (CONT.)

FOR REFERENCE ONLY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
50190	VINE MAPLE		3.3, 2.5, 2.5, 2.5, 2, 3	4	PROTECT	COMI	KEEP ROOT BALL MOIST DURING EXCAVATION; MULCH, AND COVER EXPOSED SOIL (FACE OF EXCAVATION) WITH CLEAR PLASTIC TO KEEP FROM DRYING OUT.
15786	NORWAY MAPLE	8.0		5	PROTECT	WSDOT	RETAIN SIDEWALK DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF SIDEWALK.
15787	NORWAY MAPLE	8.0		5	PROTECT	WSDOT	RETAIN CURB DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF CURB
15788	NORWAY MAPLE	8.0		5	PROTECT	WSDOT	RETAIN CURB DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF CURB
15789	NORWAY MAPLE	8.0		5	PROTECT	WSDOT	RETAIN CURB DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF CURB
15790	NORWAY MAPLE			5	PROTECT	WSDOT	RETAIN CURB DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF CURB
15791	NORWAY MAPLE			5	PROTECT	WSDOT	RETAIN CURB DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF CURB
15785	NORWAY MAPLE	8.0		5	PROTECT	WSDOT	RETAIN CURB DURING CONSTRUCTION; CHAINLINK FENCE AT EDGE OF CURB
19117	NORWAY MAPLE	12.5		8	REMOVE	WSDOT	
19118	NORWAY MAPLE	10.0		7	REMOVE	WSDOT	
19119	DOUGLAS-FIR	12.0		8	REMOVE	WSDOT	
19120	DOUGLAS-FIR	10.5		7	REMOVE	WSDOT	
19121	DOUGLAS-FIR	17.2		11	REMOVE	WSDOT	
19122	NORWAY MAPLE	10.5		7	REMOVE	WSDOT	
19131	DOUGLAS-FIR	14.0		9	PROTECT	WSDOT	MINIMIZE GRADING IMPACTS; CHAINLINK FENCE 2.5' FROM TRUNK
19141	SHORE PINE	17.5		12	PROTECT	WSDOT	CHAINLINK FENCE 5' FROM TRUNK
19142	BLACK COTTONWOOD	14.8		15	PROTECT	WSDOT	CHAINLINK FENCE 9' FROM TRUNK
19147	NORWAY MAPLE	11.8		8	REMOVE	WSDOT	
19154	DOUGLAS-FIR	13.2		9	PROTECT	WSDOT	CHAINLINK FENCE OUTSIDE OF MLOD
19155	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	TBD
19156	DOUGLAS-FIR	12.5		8	PROTECT	WSDOT	TBD
19157	DOUGLAS-FIR	13.0		9	PROTECT	WSDOT	TBD
19158	DEAD	8.0		0	REMOVE	WSDOT	TBD
19159	DOUGLAS-FIR	17.4		12	PROTECT	WSDOT	TBD
19362	SYCAMORE MAPLE	9.5		6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
19435	SYCAMORE MAPLE	9.5		6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
24346	LONDON PLANETREE	13.2		9	PROTECT	PRIVATE	IF ACCESS ROAD USED: CLEARANCE PRUNING AND CHAINLINK FENCING
19004	NORWAY MAPLE	9.2		6	PROTECT	WSDOT	TBD
19005	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
19006	DEAD	12.0		0	REMOVE (DEAD)	WSDOT	
19007	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
19008	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
19010	NORWAY MAPLE	11.0		7	REMOVE	WSDOT	
19011	NORWAY MAPLE	11.4		8	REMOVE	WSDOT	
19013	NORWAY MAPLE	9.8		7	REMOVE	WSDOT	
19014	DOUGLAS-FIR	4.0		3	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
19029	NORWAY MAPLE	10.7		7	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
20251	AUSTRIAN BLACK PINE	14.2		9	PROTECT	PRIVATE	IF ACCESS ROAD USED: CLEARANCE PRUNING AND CHAINLINK FENCING
20274	BIGLEAF MAPLE		8.5,8.1,7,7,6,3	11	PROTECT	PRIVATE	IF ACCESS ROAD USED: CLEARANCE PRUNING AND CHAINLINK FENCING
20277	BIGLEAF MAPLE		6,6,5,5,4,4,3,3	9	PROTECT	PRIVATE	IF ACCESS ROAD USED: CLEARANCE PRUNING AND CHAINLINK FENCING
20288	BIGLEAF MAPLE	7.0		5	PROTECT	PRIVATE	IF ACCESS ROAD USED: CLEARANCE PRUNING AND CHAINLINK FENCING
20290	DOUGLAS-FIR	32.0		32	PROTECT	PRIVATE	IF ACCESS ROAD USED: CLEARANCE PRUNING AND CHAINLINK FENCING
20307	DOUGLAS-FIR	16.0		11	PROTECT	WSDOT	IF ACCESS ROAD USED: CLEARANCE PRUNING AND CHAINLINK FENCING
24340	NORWAY MAPLE	5.0		3	REMOVE	WSDOT	
24341	NORWAY MAPLE	4.2		3	REMOVE	WSDOT	
24342	NORWAY MAPLE		3.8,3.6	3	PROTECT*	WSDOT	MAINTAIN FENCING AT DRIPLINE OR REMOVE
24343	KATSURA TREE		6,4,4,4,4	10	REMOVE	WSDOT	
24344	KATSURA TREE		5,4	6	REMOVE	WSDOT	
24345	KATSURA TREE		6,5,5,4,4,3	11	REMOVE	WSDOT	
24407	BIGLEAF MAPLE	13.0		9	PROTECT	PRIVATE	IF ACCESS ROAD USED: CLEARANCE PRUNING AND CHAINLINK FENCING

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

EXISTING TREE INVENTORY SHEET 2 OF 9

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C006
SHT NO / TOTAL: 080 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C006.dwg
PLOT DATE: 9/17/2019 12:04 PM
PLOTTED BY: Aurio, Isaac

EXISTING TREE INVENTORY (CONT.)

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
35755	KATSURA TREE		7,7,5,5,5	13	REMOVE	WSDOT	
35756	DOUGLAS-FIR	13.5		9	REMOVE	WSDOT	
35757	NORWAY MAPLE	9.0		6	REMOVE	WSDOT	
35760	DOUGLAS-FIR	12.3		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35761	NORWAY MAPLE	6.5		4	REMOVE	WSDOT	
35770	WESTERN REDCEDAR	6.5		7	REMOVE	WSDOT	
35771	DOUGLAS-FIR	13.7		9	PROTECT	WSDOT	CHAINLINK FENCING 6' FROM TRUNK
35772	DOUGLAS-FIR	9.2		6	PROTECT	WSDOT	CHAINLINK FENCING 6' FROM TRUNK
35773	WESTERN REDCEDAR	5.5		6	PROTECT	WSDOT	CHAINLINK FENCING 6' FROM TRUNK
35777	WESTERN REDCEDAR	14.4		14	PROTECT	WSDOT	CHAINLINK FENCE 7' FROM TRUNK
35780	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35783	DOUGLAS-FIR	14.0		9	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35786	DOUGLAS-FIR	9.0		6	REMOVE	WSDOT	
35788	WESTERN REDCEDAR	4.0		3	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35789	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35892	DOUGLAS-FIR	14.0		9	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35894	DOUGLAS-FIR	8.0		5	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35896	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35900	NORWAY MAPLE	9.0		6	REMOVE	WSDOT	
35901	NORWAY MAPLE	7.8		5	REMOVE	WSDOT	
35905	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35906	NORWAY MAPLE	6.1		4	PROTECT	WSDOT	CHAINLINK FENCING AT DRIPLINE
35907	NORWAY MAPLE	10.0		10	PROTECT	WSDOT	CHAINLINK FENCING 10 FT FROM TRUNK
35507	NORWAY MAPLE	13.3		9	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
35518	NORWAY MAPLE	10.1		7	REMOVE	COMI	
35519	NORWAY MAPLE	11.0		7	REMOVE	COMI	
35520	SYCAMORE MAPLE	7.8		5	REMOVE	COMI	
35521	RED MAPLE	10.0		7	REMOVE	COMI	
35525	KATSURA TREE		7,8,8	13	REMOVE	COMI	
35526	KATSURA TREE		7,7,5,4	12	REMOVE	COMI	
35527	KATSURA TREE		6,7,6,6,5	13	REMOVE	COMI	
35528	KATSURA TREE		6,6,6,6	12	REMOVE	COMI	
35529	KATSURA TREE		7,5,8,6	13	REMOVE	COMI	
35530	SYCAMORE MAPLE	9.4		6	REMOVE	COMI	
35531	KATSURA TREE		6,7,8	12	REMOVE	COMI	
35532	SYCAMORE MAPLE	9.5		6	REMOVE	COMI	
35533	KATSURA TREE		4.5,5.5	7	REMOVE	WSDOT	
35751	AUSTRIAN BLACK PINE	13.8		9	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35752	DEAD -- DOUGLAS-FIR	14.0		0	REMOVE (DEAD)	WSDOT	
35753	SHORE PINE	8.0		5	REMOVE	WSDOT	
35754	KATSURA TREE		6,5,5,4,4,7,6,4,3	15	PROTECT	WSDOT	INSTALL CHAINLINK FENCE AT EDGE OF GRADING
35768	DEAD	6.0		0	REMOVE (DEAD)	WSDOT	
35769	DEAD	6.0		0	REMOVE (DEAD)	WSDOT	
24	WESTERN REDCEDAR	5.0		5	PROTECT	WSDOT	TRAIL IS SHIFTING TOWARDS ROAD HERE. MAINTAIN FENCING AT EDGE OF ASPHALT.
35316	OREGON ASH	11.2		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35317	NORWAY MAPLE	10.2		7	REMOVE	WSDOT	
35320	ASH	5.5		4	REMOVE	WSDOT	
35321	NORWAY MAPLE	9.8		7	REMOVE	WSDOT	
35322	ASH	9.1		6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35323	NORWAY MAPLE	9.1		6	REMOVE	WSDOT	
35324	NORWAY MAPLE	10.8		7	REMOVE	WSDOT	
35325	NORWAY MAPLE	11.8		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35326	ASH	7.8		5	REMOVE	WSDOT	
35331	NORWAY MAPLE	11.2		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35332	NORWAY MAPLE	10.2		7	REMOVE	WSDOT	
35335	NORWAY MAPLE	9.2		6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35336	NORWAY MAPLE	7.8		5	REMOVE	WSDOT	
35337	NORWAY MAPLE	12.2		8	REMOVE	WSDOT	
35338	ASH	8.5		6	REMOVE	WSDOT	
35341	NORWAY MAPLE	11.4		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35342	NORWAY MAPLE	11.5		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD

EXISTING TREE INVENTORY (CONT.)

FOR REFERENCE ONLY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
35343	ASH	7.5		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35344	ASH	6.8		5	REMOVE	WSDOT	
35502	NORWAY MAPLE	12.2		8	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
35503	NORWAY MAPLE	11.2		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35504	NORWAY MAPLE	8.0		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35506	NORWAY MAPLE	12.9		9	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
35508	DOUGLAS-FIR	14.5		10	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35509	DOUGLAS-FIR	15.5		10	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35510	DOUGLAS-FIR	16.8		11	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35511	AUSTRIAN BLACK PINE	9.5		6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
35512	NORWAY MAPLE	12.2		8	REMOVE	WSDOT	
35513	NORWAY MAPLE	12.8		9	REMOVE	WSDOT	
35514	NORWAY MAPLE	11.0		7	REMOVE	WSDOT	
35515	NORWAY MAPLE	11.0		7	REMOVE	COMI	
35516	NORWAY MAPLE	8.9		6	REMOVE	COMI	
35517	NORWAY MAPLE	12.2		8	REMOVE	COMI	
24135	WESTERN CRABAPPLE		5,5,3	5	REMOVE	WSDOT	
24136	WESTERN SERVICEBERRY		5.2,3,2	4	REMOVE	WSDOT	
24137	VINE MAPLE		3.5,2,2	3	REMOVE	WSDOT	
24138	VINE MAPLE		3,3,3	3	REMOVE	WSDOT	
24139	VINE MAPLE	<4		2	REMOVE	WSDOT	
24140	WESTERN SERVICEBERRY		3.5,3,2,2	4	REMOVE	WSDOT	
24142	WESTERN SERVICEBERRY		3.5,3,2	3	REMOVE	WSDOT	
24144	WESTERN SERVICEBERRY		3,2,2	3	REMOVE	WSDOT	
24145	WESTERN SERVICEBERRY		2.5,2,2,2	3	REMOVE	WSDOT	
24146	WESTERN SERVICEBERRY		3.3,3,2,2,2	4	REMOVE	WSDOT	
24147	VINE MAPLE		3,2.8,2.5,2.5	4	REMOVE	WSDOT	
24148	WESTERN CRABAPPLE		4,3	3	REMOVE	WSDOT	
24155	WESTERN CRABAPPLE		4,3,2	4	REMOVE	WSDOT	
24156	WESTERN CRABAPPLE		3,2,2	3	REMOVE	WSDOT	
24157	WESTERN SERVICEBERRY		5,3	4	REMOVE	WSDOT	
24162	WESTERN SERVICEBERRY		3,3,3,2,2	4	REMOVE	WSDOT	
24164	WESTERN SERVICEBERRY		3,3,2,2,2	4	REMOVE	WSDOT	
24166	WESTERN SERVICEBERRY		5,3	4	REMOVE	WSDOT	
24171	VINE MAPLE		3,3,2,2	3	REMOVE	WSDOT	
24172	WESTERN CRABAPPLE		4,3	3	REMOVE	WSDOT	
24173	WESTERN CRABAPPLE		3,2,3	3	REMOVE	WSDOT	
24175	WESTERN CRABAPPLE		3,2	2	REMOVE	WSDOT	
24178	WESTERN CRABAPPLE		2,2	2	REMOVE	WSDOT	
24181	BLACK COTTONWOOD	3.0		3	REMOVE	WSDOT	
24182	BLACK COTTONWOOD	6.0		6	REMOVE	WSDOT	
24183	WESTERN CRABAPPLE		2,2	2	REMOVE	WSDOT	
24184	WESTERN SERVICEBERRY		3,2,2,2	3	REMOVE	WSDOT	
35218	NORWAY MAPLE	12.7		8	REMOVE	WSDOT	
35219	NORWAY MAPLE	12.0		8	PROTECT	WSDOT	CHAINLINK FENCE AT 4' FROM TRUNK
35221	NORWAY MAPLE	13.8		9	REMOVE	WSDOT	
35228	NORWAY MAPLE	13.5		9	REMOVE	WSDOT	
35229	NORWAY MAPLE	11.5		8	REMOVE	WSDOT	

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

EXISTING TREE INVENTORY SHEET 3 OF 9

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C007
SHT NO / TOTAL	081 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C007.dwg
PLOT DATE: 9/17/2019 12:04 PM
PLOTTED BY: D'Aurio, Isaac

EXISTING TREE INVENTORY (CONT.)

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
35230	NORWAY MAPLE	11.0		7	REMOVE	WSDOT	
35313	NORWAY MAPLE	12.5		8	REMOVE	WSDOT	
35314	NORWAY MAPLE	13.9		9	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
35319	NORWAY MAPLE	8.0		5	REMOVE	WSDOT	
24185	WESTERN SERVICEBERRY		3,3,2,2,2,2	4	PROTECT	WSDOT	CHAINLINK FENCE AT TRUNK
24193	VINE MAPLE		4,3,2,2,2	4	REMOVE	WSDOT	
24194	WESTERN SERVICEBERRY		2.5,2,2	3	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
24197	WESTERN CRABAPPLE		5,3,2	4	REMOVE	WSDOT	
24200	WESTERN SERVICEBERRY	5.0		3	REMOVE	WSDOT	
24211	WESTERN SERVICEBERRY		2,2	2	PROTECT	WSDOT	CHAINLINK FENCE AT TRUNK
24222	VINE MAPLE		2,2,2	2	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
24230	VINE MAPLE		3,3,2.5,2.5,2.5	4	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
34975	NORWAY MAPLE	11.8		8	REMOVE	WSDOT	
35001	NORWAY MAPLE	13.5		9	REMOVE	WSDOT	
35005	NORWAY MAPLE	11.3		8	REMOVE	WSDOT	
35010	NORWAY MAPLE	11.6		8	REMOVE	WSDOT	
35014	NORWAY MAPLE	11.5		8	REMOVE	WSDOT	
35015	NORWAY MAPLE	10.0		7	REMOVE	WSDOT	
35020	NORWAY MAPLE	10.6		7	REMOVE	WSDOT	
35021	KATSURA		6.6,7	10	REMOVE	WSDOT	
35022	KATSURA		7.7,5.7	10	REMOVE	WSDOT	
35023	KATSURA		6,6.5,6.5	11	REMOVE	WSDOT	
35024	KATSURA		7,5,5,6	12	REMOVE	WSDOT	
35025	NORWAY MAPLE	6.8		5	REMOVE	WSDOT	
35026	NATIVE WILLOW		7,7.3,8,11.3	11	REMOVE*	WSDOT	
35072	NORWAY MAPLE	7.1		5	REMOVE	WSDOT	
35075	NORWAY MAPLE	12.3		8	REMOVE	WSDOT	
35078	NORWAY MAPLE	13.0		9	REMOVE	WSDOT	
35079	NORWAY MAPLE			7	REMOVE	WSDOT	
35083	NORWAY MAPLE	13.0		9	REMOVE	WSDOT	
35086	NORWAY MAPLE	10.9		7	REMOVE	WSDOT	
35087	NORWAY MAPLE	12.0		8	REMOVE	WSDOT	
35089	NORWAY MAPLE	12.8		9	REMOVE	WSDOT	
66	KATSURA TREE		4,3,3,3,2	7	REMOVE	WSDOT	
68	KATSURA TREE		4,4,3,2	7	REMOVE	WSDOT	
72	DEAD	9.0		0	REMOVE (DEAD)	WSDOT	
73	DEAD	10.0		0	REMOVE (DEAD)	WSDOT	
24232	KATSURA TREE		4,3,2,2	6	REMOVE	WSDOT	
24233	KATSURA		3,4,4,4,4,5,5	11	REMOVE	WSDOT	
24234	KATSURA TREE		3,2.5,2,2,2	5	REMOVE	WSDOT	
24235	DOUGLAS-FIR	16.0		11	PROTECT	WSDOT	CHAINLINK FENCE AT 3' FROM TRUNK
24236	NORWAY MAPLE	7.8		5	REMOVE	WSDOT	
24299	ASH	6.0		4	REMOVE	WSDOT	
34285	ASH	6.0		4	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
34286	KATSURA		5,4,3,3	8	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
34287	KATSURA		5.5,5,5,4,4,3,3	11	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
34288	KATSURA		5,6	8	PROTECT	WSDOT	PLACE CHAINLINK FENCING AT LIMITS OF RLOD
34289	ASH	7.0		5	REMOVE	WSDOT	
34290	ASH	7.0		5	REMOVE	WSDOT	
34291	AUSTRIAN BLACK PINE	12.3		8	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
34297	KATSURA		6,5,5,4,3,3,3	11	PROTECT	WSDOT	CHAINLINK FENCE AT 8' FROM TRUNK
34298	ASH	8.0		5	REMOVE	WSDOT	
34299	KATSURA		7, 8	11	REMOVE	WSDOT	
34303	DOUGLAS-FIR	10.5		7	PROTECT	WSDOT	CHAINLINK FENCE, NO EXCAVATION FOR VAULT WITHIN RLOD
34304	BIGLEAF MAPLE	13.0		9	REMOVE	WSDOT	
34305	DEAD	8.0		0	REMOVE (DEAD)	WSDOT	
34306	DEAD -- DOUGLAS-FIR	12.0		0	REMOVE (DEAD)	WSDOT	
34307	DEAD -- DOUGLAS-FIR	10.3		0	REMOVE (DEAD)	WSDOT	
34308	DOUGLAS-FIR	13.0		9	REMOVE	WSDOT	

EXISTING TREE INVENTORY (CONT.)

FOR REFERENCE ONLY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
34309	DOUGLAS-FIR	11.2		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
34310	DOUGLAS-FIR	13.0		9	PROTECT	WSDOT	CHAINLINK FENCE AT 4' FROM TRUNK
34311	KATSURA		5,4,4,4,4,4	10	REMOVE	WSDOT	
34312	KATSURA		3,3,5,4,4,4,4	10	REMOVE	WSDOT	
34313	KATSURA		3,3,2,2,2,2,2	6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
34316	NORWAY MAPLE	12.0		8	REMOVE	WSDOT	
34318	KATSURA		4,4	6	REMOVE	WSDOT	
34321	KATSURA	4.3		4	REMOVE	WSDOT	
34325	NORWAY MAPLE	9.2		6	REMOVE	WSDOT	
34326	KATSURA		6, 6, 5	10	REMOVE	WSDOT	
34327	KATSURA		6,5,5.5,3	10	REMOVE	WSDOT	
34329	NORWAY MAPLE	7.0		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
34333	NORWAY MAPLE	7.3		5	REMOVE	WSDOT	
34344	NORWAY MAPLE	8.0		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
34888	NORWAY MAPLE	12.0		8	PROTECT*	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
34965	NORWAY MAPLE	9.8		7	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
34966	KATSURA TREE	7.5		8	REMOVE	WSDOT	
34967	KATSURA		4,4,2	6	REMOVE	WSDOT	
34968	NORWAY MAPLE	13.5		9	REMOVE	WSDOT	
34969	KATSURA		4,4,4,3,3	8	REMOVE	WSDOT	
34970	KATSURA		6,5.8,5,4,3	11	REMOVE	WSDOT	
34971	KATSURA		5,5,4,4,7,3,3	12	REMOVE	WSDOT	
34972	NORWAY MAPLE	11.5		8	REMOVE	WSDOT	
34973	NORWAY MAPLE	10.0		7	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
77	AUSTRIAN BLACK PINE	17.3		12	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT
33618	BIGLEAF MAPLE		15, 15, 15, 15, 20	36	PROTECT	COMI	IF EXCAVATION WITHIN RLOD: ARBORIST MUST BE PRESENT. ASPHALT REMAINS AS GROUND PROTECTION.
33844	WESTERN REDCEDAR	37.3		37	PROTECT	COMI	IF EXCAVATION WITHIN RLOD: ARBORIST MUST BE PRESENT. ASPHALT REMAINS AS GROUND PROTECTION.
33910	AUSTRIAN BLACK PINE	18.0		12	PROTECT	COMI	IF EXCAVATION WITHIN RLOD: ARBORIST MUST BE PRESENT. ASPHALT REMAINS AS GROUND PROTECTION.
34123	VINE MAPLE		4, 4, 5, 3	5	PROTECT	COMI	CHAINLINK FENCE AT GRADING LIMITS
34284	NORWAY MAPLE	14.7		10	REMOVE	WSDOT	
78	DOUGLAS-FIR	28.0		19	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT
32555	WESTERN REDCEDAR	10.0		10	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32556	WESTERN REDCEDAR	7.2		7	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32557	DOUGLAS-FIR	11.0		7	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32558	WESTERN REDCEDAR	9.0		9	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32559	WESTERN REDCEDAR	10.5		11	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32560	DOUGLAS-FIR	9.5		6	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32561	WESTERN REDCEDAR	8.0		8	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32562	WESTERN REDCEDAR	6.0		6	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32563	WESTERN REDCEDAR	6.0		6	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32564	WESTERN REDCEDAR	6.0		6	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32570	DOUGLAS-FIR	30.6		31	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32571	DOUGLAS-FIR	30.0		30	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32573	DOUGLAS-FIR	20.0		13	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT; MINOR CLEARANCE PRUNING
32838	DOUGLAS-FIR	38.0		38	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT
31962	DOUGLAS-FIR	11.2		7	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
31964	NORWAY MAPLE	7.5		5	REMOVE	WSDOT	
31965	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	CHAINLINK FENCING AT EDGE OF ASPHALT
31966	DOUGLAS-FIR	8.0		5	PROTECT	WSDOT	CHAINLINK FENCING AT 4' FROM TRUNK
31967	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	CHAINLINK FENCING AT EDGE OF ASPHALT

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

EXISTING TREE INVENTORY SHEET 4 OF 9

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C008
SHT NO / TOTAL: 082 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C008.dwg
PLOT DATE: 9/17/2019 12:04 PM
PLOTTED BY: Aurio Isaac

EXISTING TREE INVENTORY (CONT.)

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
31968	DEAD -- NORWAY MAPLE	9.2		0	REMOVE (DEAD)	WSDOT	
31969	NORWAY MAPLE	9.3		6	REMOVE	WSDOT	
31970	NORWAY MAPLE	7.5		5	REMOVE	WSDOT	
31971	NORWAY MAPLE	7.3		5	REMOVE	WSDOT	
31972	JAPANESE BLACK PINE	11.8		8	REMOVE	WSDOT	
31973	JAPANESE BLACK PINE	11.5		8	REMOVE	WSDOT	
31974	JAPANESE BLACK PINE	12.3		8	REMOVE	WSDOT	
31998	NORWAY MAPLE	12.0		8	REMOVE	WSDOT	
32057	NORWAY MAPLE	9.5		6	PROTECT	WSDOT	CHAINLINK FENCING AT EDGE OF ASPHALT
32058	NORWAY MAPLE	9.2		6	REMOVE	WSDOT	
32059	DEAD	10.0		0	REMOVE (DEAD)	WSDOT	
32062	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	CHAINLINK FENCE OUTSIDE RLOD
32063	DEAD	4.0		0	REMOVE (DEAD)	WSDOT	
32064	DOUGLAS-FIR	10.0		7	REMOVE	WSDOT	
32067	DOUGLAS-FIR	6.0		4	PROTECT	WSDOT	TBD
32068	DEAD	6.0		0	REMOVE (DEAD)	WSDOT	
32069	DEAD	10.0		0	REMOVE (DEAD)	WSDOT	
32070	DEAD	10.0		0	REMOVE (DEAD)	WSDOT	
32085	DOUGLAS-FIR	6.0		4	REMOVE	WSDOT	
32086	DEAD	4.0		0	REMOVE (DEAD)	WSDOT	
32087	DOUGLAS-FIR	10.5		7	REMOVE	WSDOT	
32088	DOUGLAS-FIR	10.0		7	REMOVE	WSDOT	
32089	DOUGLAS-FIR	13.5		9	PROTECT	WSDOT	CHAINLINK FENCE OUTSIDE RLOD
32091	DOUGLAS-FIR	6.0		4	PROTECT	WSDOT	CHAINLNK FENCE AT 4' FROM TRUNK
32095	DEAD	8.0		0	REMOVE (DEAD)	WSDOT	
32113	DEAD	8.0		0	REMOVE (DEAD)	WSDOT	
32114	DOUGLAS-FIR	10.0		7	REMOVE	WSDOT	
32115	EUROPEAN WHITE BIRCH	6.0		4	REMOVE	WSDOT	
32116	DEAD	4.0		0	REMOVE (DEAD)	WSDOT	
32117	DEAD	8.0		0	REMOVE (DEAD)	WSDOT	
32118	DOUGLAS-FIR	10.0		7	REMOVE	WSDOT	
32357	DOUGLAS-FIR	16.0		11	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT
32358	COMMON HAWTHORN	8.0		5	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT
32359	BIGLEAF MAPLE		8, 8, 6.5, 4	9	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT, CAREFUL EXCAVATION
32396	DOUGLAS-FIR	28.0		19	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT
32397	SCOULER'S WILLOW		8, 8, 8, 7, 9, 6, 8, 8, 5	15	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT, CAREFUL EXCAVATION
32410	WESTERN REDCEDAR		17, 20	26	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT, CAREFUL EXCAVATION
31649	DOUGLAS-FIR	9.6		6	PROTECT	WSDOT	PLACE CHAINLINK FENCING WITHIN 2 FT OF TRENCH WALL
31651	JAPANESE BLACK PINE		8.5,7.3	7	REMOVE	WSDOT	
31802	NORWAY MAPLE	11.3		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31803	NORWAY MAPLE	10.7		7	REMOVE	WSDOT	
31804	KATSURA TREE		2,3,3,3,3,4	7	REMOVE	WSDOT	
31805	KATSURA TREE		3,3,3,4,4,4	9	REMOVE	WSDOT	
31806	KATSURA TREE		5,3,3,3,3,3	8	REMOVE	WSDOT	
31807	KATSURA TREE		3,3,3,3,4,4	8	REMOVE	WSDOT	
31808	KATSURA TREE		4,6,4,4,4,5	11	REMOVE	WSDOT	
31809	KATSURA TREE		3,3,3,4,4,4	9	REMOVE	WSDOT	
31810	KATSURA TREE		4,4,4,3	8	REMOVE	WSDOT	
31811	KATSURA TREE		3,3,3,4,4,4	9	REMOVE	WSDOT	
31812	KATSURA TREE		3,3,3,3,3,3,3,4	9	REMOVE	WSDOT	
31813	NORWAY MAPLE	10.2		7	REMOVE	WSDOT	
31814	NORWAY MAPLE	9.1		6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31815	NORWAY MAPLE	9.0		6	REMOVE	WSDOT	
31817	DOUGLAS-FIR	13.0		9	REMOVE	WSDOT	
31819	DOUGLAS-FIR	11.8		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31820	DEAD	10.0		0	REMOVE (DEAD)	WSDOT	
31821	DOUGLAS-FIR	9.2		6	REMOVE	WSDOT	

EXISTING TREE INVENTORY (CONT.)

FOR REFERENCE ONLY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
31822	DOUGLAS-FIR	11.0		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31823	DOUGLAS-FIR	11.0		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31824	DOUGLAS-FIR	9.0		6	REMOVE	WSDOT	
31825	DOUGLAS-FIR	10.7		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31826	DOUGLAS-FIR	10.4		7	REMOVE	WSDOT	
31827	DEAD	8.0		0	REMOVE (DEAD)	WSDOT	
31828	DOUGLAS-FIR	10.2		7	REMOVE	WSDOT	
31829	DEAD	8.0		0	REMOVE (DEAD)	WSDOT	
31955	NORWAY MAPLE	9.2		6	REMOVE	WSDOT	
31957	JAPANESE BLACK PINE	12.0		8	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
31960	JAPANESE BLACK PINE	7.5		5	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
31961	JAPANESE BLACK PINE	9.3		6	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
31991	KATSURA TREE		3,4,4,4,4	9	REMOVE	WSDOT	
31992	KATSURA TREE		6,4,3,3,3,4	10	REMOVE	WSDOT	
31993	KATSURA TREE		5,5,4,4,3	10	REMOVE	WSDOT	
31994	KATSURA TREE		4,4,4,5,5,5,3	11	REMOVE	WSDOT	
31995	KATSURA TREE		5,5,5,4,4	10	REMOVE	WSDOT	
31996	KATSURA TREE		5,5,4,3,3	9	REMOVE	WSDOT	
31997	KATSURA TREE		5,4,4,4,4,4	10	REMOVE	WSDOT	
31436	JAPANESE BLACK PINE	12.0		8	REMOVE	WSDOT	
31437	NORWAY MAPLE	9.8		7	REMOVE	WSDOT	
31438	NORWAY MAPLE	11.7		8	REMOVE	WSDOT	
31439	KATSURA TREE		3,3,3,4,4,5	9	REMOVE	WSDOT	
31440	KATSURA TREE		5,4,4,3,3	9	REMOVE	WSDOT	
31441	KATSURA TREE		6,4,4,4,3,3,3	11	PROTECT	WSDOT	CHAINLINK FENCE AT 2' BEYOND GRADING
31442	KATSURA TREE		5,5,5,3,3	10	PROTECT	WSDOT	CHAINLINK FENCE AT 2' BEYOND GRADING
31443	CALIFORNIA WAX MYRTLE		2, 2, 3, 2	3	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31444	OREGON ASH	8.8		6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31445	KATSURA TREE		4,4,5,3	8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31446	KATSURA TREE		6,4,4,3	9	PROTECT	WSDOT	CHAINLINK FENCE AT 2' BEYOND GRADING
31447	KATSURA TREE		6,6,5,3	10	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31448	KATSURA TREE		6,6,5,5,4,3	12	PROTECT	WSDOT	CHAINLINK FENCE AT 2' BEYOND GRADING
31449	KATSURA TREE		5,5,5,4,4,3,3	11	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
31452	DOUGLAS-FIR	10.0		7	REMOVE	COMI	
31453	DOUGLAS-FIR	11.7		8	REMOVE	COMI	
31454	DOUGLAS-FIR	11.0		7	REMOVE	COMI	
31455	WESTERN REDCEDAR	8.0		8	REMOVE	WSDOT	
31456	DOUGLAS-FIR	16.6		11	REMOVE	WSDOT	
31624	NORWAY MAPLE	11.2		7	REMOVE	WSDOT	
31625	DOUGLAS-FIR	13.0		9	REMOVE	WSDOT	
31626	AUSTRIAN BLACK PINE	12.0		8	REMOVE	WSDOT	
31627	DOUGLAS-FIR	10.4		7	REMOVE	WSDOT	
31628	DOUGLAS-FIR	12.2		8	REMOVE	WSDOT	
31629	AUSTRIAN BLACK PINE	12.8		9	REMOVE	WSDOT	
31630	DOUGLAS-FIR	8.0		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31631	NORWAY MAPLE	11.2		7	REMOVE	WSDOT	
31632	DOUGLAS-FIR	10.5		7	REMOVE	WSDOT	
31633	JAPANESE BLACK PINE	9.8		7	REMOVE	WSDOT	
31634	DOUGLAS-FIR	10.1		7	PROTECT	WSDOT	TBD
31635	JAPANESE BLACK PINE	8.5		6	REMOVE	WSDOT	
31636	DOUGLAS-FIR	13.5		9	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31638	DOUGLAS-FIR	<4		0	REMOVE	WSDOT	
31639	NORWAY MAPLE	13.0		9	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31640	NORWAY MAPLE	14.0		9	REMOVE	WSDOT	
31641	NORWAY MAPLE	11.0		7	REMOVE	WSDOT	

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON
SCALE: NTS
PROJECT ENGINEER: J. CHAE
REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE
FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ
CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

EXISTING TREE INVENTORY
SHEET 5 OF 9

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C009
SHT NO / TOTAL: 083 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C009.dwg
PLOT DATE: 9/17/2019 12:04 PM
PLOTTED BY: D'Aurio, Isaac

EXISTING TREE INVENTORY (CONT.)

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
31642	KATSURA TREE		5,5,5,3	9	REMOVE	WSDOT	
31643	DOUGLAS-FIR	<4		2	PROTECT	WSDOT	CHAINLINK FENCING 5 FT RADIUS AROUND TREE
31644	KATSURA TREE		4,4,4,4,3,3,3,3	10	REMOVE	WSDOT	
31645	DOUGLAS-FIR	13.5		9	REMOVE	WSDOT	
31646	NORWAY MAPLE	13.0		9	REMOVE	WSDOT	
31647	DOUGLAS-FIR	10.7		7	REMOVE	WSDOT	
31648	DOUGLAS-FIR	9.3		6	REMOVE	WSDOT	
31650	JAPANESE BLACK PINE	12.6		8	REMOVE	WSDOT	
31652	CALLERY PEAR	6.8		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31653	NORWAY MAPLE	11.2		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31654	NORWAY MAPLE	10.4		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31655	KATSURA TREE		6,6,6,4	11	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31656	NORWAY MAPLE	13.0		9	REMOVE	WSDOT	
31657	JAPANESE BLACK PINE	8.0		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31658	DOUGLAS-FIR	12.2		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31659	DOUGLAS-FIR	12.1		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31660	JAPANESE BLACK PINE	12.1		8	REMOVE	WSDOT	
31661	DOUGLAS-FIR	14.0		9	REMOVE	WSDOT	
31662	KATSURA TREE		6, 8	10	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31663	DOUGLAS-FIR	13.1		9	REMOVE	WSDOT	
31664	DOUGLAS-FIR	9.2		6	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31665	DOUGLAS-FIR	12.2		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31666	DOUGLAS-FIR	14.4		10	REMOVE	WSDOT	
31667	DOUGLAS-FIR	9.2		6	REMOVE	WSDOT	
31668	DOUGLAS-FIR	6.0		4	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31669	DOUGLAS-FIR	7.0		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31670	OREGON ASH	5.0		3	PROTECT	COMI	CHAINLINK FENCE AT RLOD
31671	OREGON ASH	9.0		6	REMOVE	WSDOT	
31672	DOUGLAS-FIR	11.7		8	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
31673	KATSURA TREE		5,5,5,6,6,3,3	13	PROTECT	WSDOT	CHAINLINK FENCING AT LIMITS OF GRADING
31674	KATSURA TREE		6,6,3,3,3,4	11	REMOVE	WSDOT	
24317	KATSURA TREE		3.8, 3, 2	5	REMOVE	WSDOT	
30986	DOUGLAS-FIR	14.0		9	REMOVE	WSDOT	
30987	DOUGLAS-FIR	13.5		9	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
30988	DOUGLAS-FIR	10.3		7	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
30989	DOUGLAS-FIR	14.8		10	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
30990	DOUGLAS-FIR	14.5		10	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
30991	KATSURA TREE		4, 4, 3	6	REMOVE	WSDOT	
30992	KATSURA TREE		4, 4	6	REMOVE	WSDOT	
30993	KATSURA TREE		3, 3, 2, 2	5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
30994	NORWAY MAPLE	12.5		8	REMOVE	WSDOT	
30995	KATSURA TREE		2, 3, 3	5	REMOVE	WSDOT	
30997	DOUGLAS-FIR	13.9		9	REMOVE	WSDOT	
30998	DOUGLAS-FIR	10.8		7	REMOVE	WSDOT	
30999	DOUGLAS-FIR	10.5		7	REMOVE	WSDOT	
31000	NORWAY MAPLE	11.1		7	REMOVE	WSDOT	
31003	KATSURA TREE		6,6,5,5,5	12	REMOVE	WSDOT	
31004	KATSURA TREE		6,6,6	10	REMOVE	COMI	
31005	KATSURA TREE		6,5,5,6	11	REMOVE	WSDOT	
31006	NORWAY MAPLE	10.0		7	REMOVE	WSDOT	
31007	KATSURA TREE		5,5,4,4,4	10	REMOVE	WSDOT	
31009	OREGON ASH	6.0		4	REMOVE	WSDOT	
31011	OREGON ASH	7.2		5	REMOVE	WSDOT	
31012	OREGON ASH	5.6		4	REMOVE	COMI	
31097	NORWAY MAPLE	10.1		7	REMOVE	COMI	
31098	NORWAY MAPLE	8.5		6	REMOVE	COMI	
31099	KATSURA TREE		6,3,5	8	REMOVE	WSDOT	
31100	KATSURA TREE		5,5,4	8	REMOVE	WSDOT	
31101	KATSURA TREE		5,4,4,3	8	REMOVE	WSDOT	
31102	KATSURA TREE		5,4,3,3	8	REMOVE	WSDOT	

EXISTING TREE INVENTORY (CONT.)

FOR REFERENCE ONLY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
31103	KATSURA TREE		6,6,5	10	REMOVE	WSDOT	
31104	KATSURA TREE		5,4,4,4,3	9	REMOVE	WSDOT	
31105	KATSURA TREE		6,5,5,3	10	REMOVE	WSDOT	
31106	KATSURA TREE		6,6,5,3	10	REMOVE	WSDOT	
31419	DOUGLAS-FIR	12.5		8	REMOVE	WSDOT	
31420	DOUGLAS-FIR	12.2		8	REMOVE	WSDOT	
31421	DEAD		4, 3	0	REMOVE (DEAD)	WSDOT	
31422	DOUGLAS-FIR	13.5		9	REMOVE	WSDOT	
31423	DOUGLAS-FIR	10.9		7	REMOVE	WSDOT	
31424	DOUGLAS-FIR	13.8		9	REMOVE	WSDOT	
31425	NORWAY MAPLE	11.1		7	REMOVE	WSDOT	
31426	NORWAY MAPLE	12.4		8	REMOVE	WSDOT	
31427	DOUGLAS-FIR	12.9		9	REMOVE	WSDOT	
31450	KATSURA TREE		4,4,4,4,3,3	9	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
31451	KATSURA TREE		3,3,3	5	PROTECT	WSDOT	CHAINLINK FENCING 6 FT FROM TREE
30103	NORWAY MAPLE	12.0		8	PROTECT	COMI	CHAINLINK FENCE AT RLOD
30104	NORWAY MAPLE	11.8		8	PROTECT	COMI	CHAINLINK FENCE AT RLOD
30544	NORWAY MAPLE	12.4		8	PROTECT	COMI	CHAINLINK FENCING AT EDGE OF ASPHALT
30883	KATSURA TREE		3, 3, 5	7	REMOVE	WSDOT	
30884	KATSURA TREE		5, 4	6	REMOVE	WSDOT	
30885	NORWAY MAPLE	9.5		6	REMOVE	WSDOT	
30886	NORWAY MAPLE	6.6		4	REMOVE	WSDOT	
30887	NORWAY MAPLE	7.0		5	REMOVE	WSDOT	
30888	NORWAY MAPLE	6.5		4	REMOVE	WSDOT	
30889	NORWAY MAPLE	8.0		5	REMOVE	WSDOT	
30890	NORWAY MAPLE	6.9		5	REMOVE	WSDOT	
30891	NORWAY MAPLE	5.2		3	REMOVE	WSDOT	
30892	NORWAY MAPLE	10.7		7	REMOVE	WSDOT	
30897	NORWAY MAPLE	9.8		7	REMOVE	COMI	
30898	NORWAY MAPLE	9.1		6	REMOVE	COMI	
30899	NORWAY MAPLE	7.8		5	REMOVE	COMI	
30900	NORWAY MAPLE	9.0		6	REMOVE	COMI	
30902	NORWAY MAPLE	8.2		5	REMOVE	COMI	
30903	NORWAY MAPLE	7.2		5	REMOVE	COMI	
30904	NORWAY MAPLE	10.8		7	REMOVE	COMI	
31013	OREGON ASH	5.0		3	REMOVE	COMI	
30110	NORWAY MAPLE	11.6		8	PROTECT	COMI	CHAINLINK FENCE AT RLOD
30112	NORWAY MAPLE	12.8		9	REMOVE	COMI	
30113	NORWAY MAPLE	13.8		9	REMOVE	WSDOT	
30114	SILVER MAPLE	10.4		7	REMOVE	WSDOT	
30135	NORWAY MAPLE	10.2		7	REMOVE	WSDOT	
30136	NORWAY MAPLE	9.8		7	REMOVE	WSDOT	
30137	NORWAY MAPLE	11.7		8	REMOVE	WSDOT	
30138	NORWAY MAPLE	8.5		6	REMOVE	WSDOT	
30139	JAPANESE BLACK PINE	15.5		10	PROTECT	WSDOT	CHAINLINK FENCE 2' FROM GRADING
30140	JAPANESE BLACK PINE	16.0		11	PROTECT	WSDOT	CHAINLINK FENCE 2' FROM GRADING
30141	JAPANESE BLACK PINE	12.0		8	PROTECT	WSDOT	CHAINLINK FENCE 2' FROM GRADING
30142	JAPANESE BLACK PINE	13.4		9	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
10178	BLACK LOCUST		7.5, 9, 9.2	10	REMOVE	COMI	
10179	BIGLEAF MAPLE	<4		0	REMOVE	COMI	
10180	PACIFIC MADRONE	<4		2	REMOVE	COMI	
10181	BLACK LOCUST	7.0		5	REMOVE	COMI	
10182	BLACK LOCUST	6.0		4	REMOVE	COMI	
21291	ASH	14.9		10	PROTECT	PRIVATE	CHAINLINK FENCE OUTSIDE OF MLOD
30115	SILVER MAPLE	9.9		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
30116	SILVER MAPLE	10.1		7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
30117	NORWAY MAPLE	14.0		9	PROTECT	WSDOT	CHAINLINK FENCING/CONSTRUCTION FENCING BEYOND RLOD
30118	NORWAY MAPLE	10.8		7	PROTECT	WSDOT	CHAINLINK FENCING/CONSTRUCTION FENCING BEYOND RLOD

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

EXISTING TREE INVENTORY SHEET 6 OF 9

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C010
SHT NO / TOTAL	084 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\WJX67200\700CADD\702CIVIL\E00306E13-PIPE-C010.dwg
PLOT DATE: 9/17/2019 12:04 PM
PLOTTED BY:D'Aurio, Isaac

EXISTING TREE INVENTORY (CONT.)

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
30119	NORWAY MAPLE	14.5		10	PROTECT	WSDOT	CHAINLINK FENCING/CONSTRUCTION FENCING BEYOND RLOD
30120	OREGON ASH	8.1		5	PROTECT	WSDOT	CHAINLINK FENCING/CONSTRUCTION FENCING BEYOND RLOD
30121	NORWAY MAPLE	13.1		9	PROTECT	WSDOT	CHAINLINK FENCING/CONSTRUCTION FENCING BEYOND RLOD
30122	NORWAY MAPLE	11.5		8	PROTECT	COMI	CHAINLINK FENCING/CONSTRUCTION FENCING BEYOND RLOD
30123	NORWAY MAPLE	17.6		12	PROTECT	COMI	CHAINLINK FENCE AT MLOD ALONG 96TH AVE SE
30124	OREGON ASH	7.8		5	REMOVE	COMI	
30125	BLACK LOCUST	7.4		5	REMOVE	COMI	
30127	RED ALDER		7.5, 9.6, 9	15	REMOVE	COMI	
30128	DEAD -- MADRONE	10.3		0	REMOVE (DEAD)	COMI	
30131	NORWAY MAPLE	10.0		7	REMOVE	WSDOT	
30132	NORWAY MAPLE	10.2		7	REMOVE	WSDOT	
30133	NORWAY MAPLE	11.2		7	REMOVE	WSDOT	
30134	NORWAY MAPLE	11.7		8	REMOVE	WSDOT	
30222	WHITE SPRUCE	10.0		7	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT OR RLOD
30223	DOUGLAS-FIR	6.0		4	PROTECT	PRIVATE	CHAINLINK FENCING AT EDGE OF ASPHALT OR RLOD
36485	CHERRY		12,4,4,5	9	REMOVE	PRIVATE	
36486	CHERRY		5,6,4,8,10,3	11	REMOVE	PRIVATE	
142	FLOWERING CHERRY	12.0		12	REMOVE	COMI	
10171	PACIFIC MADRONE	8.8		6	REMOVE	PRIVATE	
10172	DOUGLAS-FIR	12.0		8	REMOVE	PRIVATE	
10309	ARBORVITAE (NOT ASSESSED DUE TO SIZE)				REMOVE	COMI	
10310	ARBORVITAE (NOT ASSESSED DUE TO SIZE)				REMOVE	COMI	
20174	BREWER SPRUCE	11.7		8	PROTECT	PRIVATE	CHAINLINK FENCE OUTSIDE OF MLOD
20183	BIGLEAF MAPLE	14.0		9	REMOVE	PRIVATE	
20184	BLACK COTTONWOOD	10.0		10	REMOVE	PRIVATE	
20185	BIGLEAF MAPLE		15,5,13	14	REMOVE	PRIVATE	
21179	ARBORVITAE (NOT ASSESSED DUE TO SIZE)				REMOVE	PRIVATE	
21180	ARBORVITAE (NOT ASSESSED DUE TO SIZE)				REMOVE	PRIVATE	
21181	ARBORVITAE (NOT ASSESSED DUE TO SIZE)				REMOVE	PRIVATE	
21183	ARBORVITAE (NOT ASSESSED DUE TO SIZE)				REMOVE	PRIVATE	
21236	BIGLEAF MAPLE?? (NOT ASSESSED, SPECIES AND DIA ESTIMATED))	10.0			REMOVE	PRIVATE	
21315	DOUGLAS-FIR	24.0		16	PROTECT	PRIVATE	CHAINLINK FENCE AT RLOD
21318	BIGLEAF MAPLE		29.5,13.8	33	REMOVE	PRIVATE	
21320	BIGLEAF MAPLE	28.0		19	REMOVE	PRIVATE	
41899	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	
41900	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	
41901	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	
41902	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	
41903	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	
41904	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	
41905	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	

EXISTING TREE INVENTORY (CONT.)

FOR REFERENCE ONLY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
41906	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	
41907	LEYLAND CYPRESS (NOT ASSESSED NO ACCESS)				REMOVE	PRIVATE	
81	WESTERN REDCEDAR	40.0		40	PROTECT	PRIVATE	CHAINLINK FENCE AT EDGE OF EXCAVATION
11174	NORWAY MAPLE	9.5		6	REMOVE	WSDOT	
11184	NORWAY MAPLE	7.0		5	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11189	NORWAY MAPLE	7.5		5	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11195	NORWAY MAPLE	7.8		5	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11201	NORWAY MAPLE	9.0		6	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11209	NORWAY MAPLE	9.2		6	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11215	NORWAY MAPLE	9.2		6	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11216	DOUGLAS-FIR	12.0		8	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11220	DOUGLAS-FIR	13.0		9	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11222	DOUGLAS-FIR	11.2		7	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11225	DOUGLAS-FIR	12.2		8	PROTECT	WSDOT	LEAVE ASPHALT PATH IN PLACE, CHAINLINK FENCING ALONG PATH AND OUTSIDE RLOD
11228	WESTERN REDCEDAR	9.0		9	REMOVE	WSDOT	
11230	WESTERN REDCEDAR	12.0		12	REMOVE	WSDOT	
15272	DOUGLAS-FIR	7.0		5	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD OR GRADING LIMITS
15273	BLACK COTTONWOOD	16.3		16	PROTECT	WSDOT	CHAINLINK FENCE AT LIMITS OF GRADING
15274	BLACK COTTONWOOD	13.4		13	PROTECT	WSDOT	CHAINLINK FENCE AT LIMITS OF GRADING
15275	BLACK COTTONWOOD		14.6, 17.8, 14.9	27	REMOVE	WSDOT	
15276	WESTERN REDCEDAR	7.0		7	REMOVE	WSDOT	
15277	DOUGLAS-FIR	7.0		5	REMOVE	WSDOT	
15278	DOUGLAS-FIR	8.0		5	REMOVE	WSDOT	
15279	DOUGLAS-FIR	13.4		9	REMOVE	WSDOT	
15280	DOUGLAS-FIR	15.4		10	REMOVE	WSDOT	
15281	WESTERN REDCEDAR	7.0		7	REMOVE	WSDOT	
15282	DOUGLAS-FIR	7.5		5	REMOVE	WSDOT	
15283	WESTERN REDCEDAR		8.7,6.7	11	REMOVE	WSDOT	
15284	DOUGLAS-FIR	10.4		7	REMOVE	WSDOT	
15285	DOUGLAS-FIR	8.0		5	REMOVE	WSDOT	
15286	DOUGLAS-FIR	14.7		10	REMOVE	WSDOT	
15287	WESTERN REDCEDAR	8.0		8	REMOVE	WSDOT	
15288	DOUGLAS-FIR	11.4		8	REMOVE	WSDOT	
15290	DOUGLAS-FIR	12.8		9	REMOVE	WSDOT	
15291	WESTERN REDCEDAR	12.0		12	REMOVE	WSDOT	
15292	WESTERN REDCEDAR	13.4		13	REMOVE	WSDOT	
15293	DOUGLAS-FIR	13.3		9	REMOVE	WSDOT	
15294	DOUGLAS-FIR	12.8		9	REMOVE	WSDOT	
15295	DEAD -- DOUGLAS-FIR	13.0		0	REMOVE (DEAD)	WSDOT	
15296	DOUGLAS-FIR	12.8		9	REMOVE	WSDOT	
15297	DOUGLAS-FIR	10.2		7	REMOVE	WSDOT	
15298	NORWAY MAPLE	10.5		7	REMOVE	WSDOT	
19667	NORWAY MAPLE	8.1		5	REMOVE	WSDOT	
19670	DEAD -- DOUGLAS-FIR	11.2		0	REMOVE (DEAD)	WSDOT	
19671	DEAD -- DOUGLAS-FIR	11.7		0	REMOVE (DEAD)	WSDOT	
19673	DEAD	4.0		0	REMOVE (DEAD)	WSDOT	
36437	BIGLEAF MAPLE		4,5,8	7	PROTECT	WSDOT	CHAINLINK FENCE AT RLOD
36450	BLACK COTTONWOOD	18.5		19	PROTECT	WSDOT	CHAINLINK FENCE AT GRADING LIMITS
36459	WESTERN REDCEDAR	9.0		9	REMOVE	WSDOT	
36460	WESTERN REDCEDAR		11, 5, 5	13	REMOVE	WSDOT	
36461	WESTERN REDCEDAR			12	REMOVE	WSDOT	
36462	DOUGLAS-FIR			8	REMOVE	WSDOT	

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON
PROJECT ENGINEER: J. CHAE
DESIGN APPROVAL: R. BROWNE
PROJECT ACCEPTANCE: S. YILDIZ
SCALE: NTS
0 REFERENCE 1"
FACILITY NUMBER:
CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
EXISTING TREE INVENTORY SHEET 7 OF 9

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: **C011**
SHT NO / TOTAL: 085 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C011.dwg
PLOT DATE: 9/17/2019 12:05 PM
PLOTTED BY: D'Auria, Isaac

EXISTING TREE INVENTORY (CONT.)

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
36463	DOUGLAS-FIR			7	REMOVE	WSDOT	
36464	DOUGLAS-FIR			8	REMOVE	WSDOT	
36465	DOUGLAS-FIR			9	REMOVE	WSDOT	
24304	VINE MAPLE	6.6	2.5,2.5,2.5,2.5,2,2,2,2, 1.5	4	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24305	VINE MAPLE	6.5	3.5,3,2.5,2.5,2.5,1.5	4	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24306	VINE MAPLE	2.9	2,1.5,1.5	2	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24307	VINE MAPLE	4.7	2.5,2.5,1.5,1.5,1.5,1.5, 1	3	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24308	VINE MAPLE	1.5		1	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24309	VINE MAPLE	2.3	1.5, 1.0, 1.0, 1.0	2	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24310	VINE MAPLE	4.9	2.0, 2.0, 2.0, 2.0, 2, 1.5, 1.5	3	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24311	VINE MAPLE	4.5	3.0, 2.5, 2.0, 1.0	3	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24312	VINE MAPLE	4.3	2.5, 2.0, 2.0, 2.0	3	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
24313	VINE MAPLE	4.0	2.5, 2.5, 1.5, 1	3	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
11229	DEAD	10.0		0	REMOVE (DEAD)	WSDOT	
14788	NORWAY MAPLE	7.8		5	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
14789	NORWAY MAPLE	8.9		6	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
14790	NORWAY MAPLE	10.6		7	PROTECT	WSDOT	CHAINLINK FENCING AT CURB EDGE
15241	ALASKAN CEDAR	15.6	10,12	10	PROTECT	WSDOT	TBD
15246	ALASKAN CEDAR	12.2		8	PROTECT	WSDOT	TBD
15248	WESTERN REDCEDAR	9.7	8,5.5	10	PROTECT	COMI	
15253	NORWAY MAPLE	7.8		5	PROTECT	COMI	
19672	NORWAY MAPLE	11.8		8	REMOVE	WSDOT	
92	DOUGLAS-FIR	12.4		8	PROTECT	WSDOT	TBD
93	DOUGLAS-FIR	14.5		10	REMOVE	WSDOT	
94	DOUGLAS-FIR	14.5		10	PROTECT	WSDOT	CHAINLINK FENCING AT RLOD OR DRIPLINE
95	DOUGLAS-FIR	*		5	PROTECT	WSDOT	CHAINLINK FENCING AT RLOD OR DRIPLINE
96	DOUGLAS-FIR	*		5	PROTECT	WSDOT	CHAINLINK FENCING AT RLOD OR DRIPLINE
97	DOUGLAS-FIR	*		5	REMOVE	WSDOT	
143	WESTERN REDCEDAR		3.5, 3.8, 2.5	6	REMOVE	WSDOT	
144	WESTERN REDCEDAR		2.0, 1.0, 1.0	2	REMOVE	WSDOT	
145	WESTERN REDCEDAR		1.5, 1.5, 1.5	3	REMOVE	WSDOT	
146	WESTERN REDCEDAR		1.0, 1.0, 1.5	2	REMOVE	WSDOT	
147	WESTERN REDCEDAR		1.5, .75	2	REMOVE	WSDOT	
148	WESTERN REDCEDAR		1.0, 1.0, 1.0, 1.5	2	REMOVE	WSDOT	
149	WESTERN REDCEDAR	5.0		5	REMOVE	WSDOT	
150	WESTERN REDCEDAR	4.5		5	REMOVE	WSDOT	
151	WESTERN REDCEDAR		2.0, 1.5, 1.5, 1.0	3	REMOVE	WSDOT	
152	WESTERN REDCEDAR		3.0, 1.0, 1.5, 1.5, 1.0	4	REMOVE	WSDOT	
153	WESTERN REDCEDAR	3.5		4	REMOVE	WSDOT	
154	WESTERN REDCEDAR		2.5, 2.5, 1.0	4	REMOVE	WSDOT	
155	WESTERN REDCEDAR		2.5, 1.5, 1.5, 1.0, 1.0	4	REMOVE	WSDOT	
156	WESTERN REDCEDAR		3.5,2.0, 1.5	4	REMOVE	WSDOT	
157	WESTERN REDCEDAR		2.5, 1.5	3	REMOVE	WSDOT	
158	WESTERN REDCEDAR		3.0, 1.5, 2.5, 1.0	4	REMOVE	WSDOT	
159	DEAD -- WESTERN REDCEDAR	3.5		0	REMOVE (DEAD)	WSDOT	
160	WESTERN REDCEDAR	4.0		4	REMOVE	WSDOT	
161	WESTERN REDCEDAR	2.0		2	REMOVE	WSDOT	
162	WESTERN REDCEDAR		3.5, 2.5, 2.0	5	REMOVE	WSDOT	
163	WESTERN REDCEDAR		2.0, 1.5, 1.5	3	REMOVE	WSDOT	
164	WESTERN REDCEDAR		3.5, 2.0, 1.5	4	REMOVE	WSDOT	
165	WESTERN REDCEDAR		2.5, 1.0, 1.0	3	REMOVE	WSDOT	
166	WESTERN REDCEDAR		2.0, 2.0, 2.0, 1.5, 1.5	4	REMOVE	WSDOT	
167	WESTERN REDCEDAR	3.5		4	REMOVE	WSDOT	
168	WESTERN REDCEDAR		3.5, 2.0	4	REMOVE	WSDOT	
169	WESTERN REDCEDAR		3.0, 3.0, 2.5	5	REMOVE	WSDOT	
170	WESTERN REDCEDAR	3.0		3	REMOVE	WSDOT	
171	WESTERN REDCEDAR		3.5, 2.5	4	REMOVE	WSDOT	
172	WESTERN REDCEDAR	5.0		5	REMOVE	WSDOT	
173	WESTERN REDCEDAR	5.0		5	REMOVE	WSDOT	
174	WESTERN REDCEDAR	5.0		5	REMOVE	WSDOT	

EXISTING TREE INVENTORY (CONT.)

FOR REFERENCE ONLY

TREE ID	COMMON NAME	DSH (ONE STEM)	DSH (MULTI-STEMS)	REC. LOD (FT)	PROPOSED ACTION 5.28.2019	JURISDICTION	NOTES
175	WESTERN REDCEDAR	5.0		5	REMOVE	WSDOT	
176	WESTERN REDCEDAR		5.5, 2.5	6	REMOVE	WSDOT	
177	WESTERN REDCEDAR		4.0, 2.0	4	REMOVE	WSDOT	
178	WESTERN REDCEDAR		4.5, 4.5	6	REMOVE	WSDOT	
179	WESTERN REDCEDAR		4.5, 5.5, 3.0	8	REMOVE	WSDOT	
180	WESTERN REDCEDAR		3.5, 4.0	5	REMOVE	WSDOT	
181	WESTERN REDCEDAR		2.5, 2.5	4	REMOVE	WSDOT	
182	WESTERN REDCEDAR		3.0, 1.5	3	REMOVE	WSDOT	
183	WESTERN REDCEDAR	3.0		3	REMOVE	WSDOT	
13948	NORWAY MAPLE	14.3		10	REMOVE	WSDOT	
14273	DOUGLAS-FIR	16.2		11	REMOVE	WSDOT	
14274	DOUGLAS-FIR	15.8		11	REMOVE	WSDOT	
14275	DOUGLAS-FIR	13.0		9	REMOVE	WSDOT	
14276	DOUGLAS-FIR	14.2		9	REMOVE	WSDOT	
14277	DOUGLAS-FIR	12.8		9	REMOVE	WSDOT	
14322	ALASKAN CEDAR	15.3		10	PROTECT	WSDOT	TBD
14323	ALASKAN CEDAR	11.2		7	PROTECT	WSDOT	TBD
14526	NORWAY MAPLE	9.1		6	PROTECT	COMI	TBD
14527	DOUGLAS-FIR	7.5		5	REMOVE	COMI	
14528	DOUGLAS-FIR	7.1		5	REMOVE	COMI	
14529	NORWAY MAPLE	8.4		6	REMOVE	COMI	
14530	DOUGLAS-FIR	5.5		4	REMOVE	COMI	
14531	DOUGLAS-FIR	14.8		10	PROTECT	COMI	TBD
14532	DOUGLAS-FIR	6.2		4	REMOVE	COMI	
14533	LEYLAND CYPRESS	10.0		7	PROTECT	COMI	TBD
14536	LEYLAND CYPRESS	7.8		5	REMOVE	COMI	
14537	DOUGLAS-FIR	7.1		5	REMOVE	COMI	
14538	LEYLAND CYPRESS	11.4		8	PROTECT	COMI	TBD
14539	LEYLAND CYPRESS	7.1		5	PROTECT	COMI	TBD
14541	DOUGLAS-FIR	5.2		3	PROTECT	COMI	TBD
14542	LEYLAND CYPRESS	6.1		4	PROTECT	COMI	TBD
14543	DOUGLAS-FIR	6.4		4	PROTECT	COMI	TBD
14545	LEYLAND CYPRESS	5.0		3	PROTECT	COMI	TBD
14546	LEYLAND CYPRESS	6.1		4	PROTECT	COMI	TBD
14547	LEYLAND CYPRESS	8.0		5	PROTECT	COMI	TBD
14548	LEYLAND CYPRESS	8.5		6	PROTECT	COMI	
14549	LEYLAND CYPRESS	9.3		6	PROTECT	COMI	TBD
14550	LEYLAND CYPRESS	6.1		4	PROTECT	COMI	TBD
14551	BLACK LOCUST	6.8		5	PROTECT	COMI	TBD
14632	GLEHN'S SPRUCE	3.0		2	PROTECT	COMI	TBD
16161	DOUGLAS-FIR	13.3		9	PROTECT	WSDOT	TBD
16162	DOUGLAS-FIR	13.0		9	PROTECT	WSDOT	TBD
16163	DOUGLAS-FIR	14.0		9	PROTECT	WSDOT	TBD
16164	DOUGLAS-FIR	11.1		7	PROTECT	WSDOT	TBD
16165	DOUGLAS-FIR	10.0		7	PROTECT	WSDOT	TBD
16166	DOUGLAS-FIR	17.9		12	PROTECT	WSDOT	TBD
16167	DOUGLAS-FIR	12.2		8	PROTECT	WSDOT	TBD
16168	DOUGLAS-FIR	11.5		8	PROTECT	WSDOT	TBD
16169	DOUGLAS-FIR	11.4		8	PROTECT	WSDOT	TBD
16170	DOUGLAS-FIR	17.8		12	PROTECT	WSDOT	TBD
13946	NORWAY MAPLE	14.0		9	REMOVE	WSDOT	
13947	NORWAY MAPLE	13.3		9	REMOVE	WSDOT	
16147	EUROPEAN MOUNTAIN ASH		7.2, 5.2, 5.5, 3.0, 4.5	8	REMOVE	WSDOT	
16160	AUSTRIAN BLACK PINE	13.9		9	PROTECT*	WSDOT	TBD

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

EXISTING TREE INVENTORY SHEET 8 OF 9

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C012
SHT NO / TOTAL	086 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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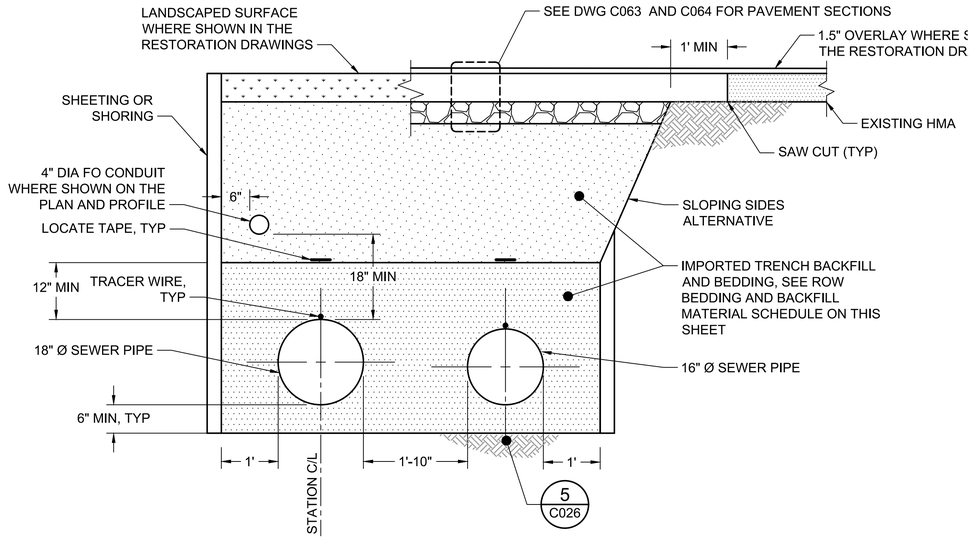
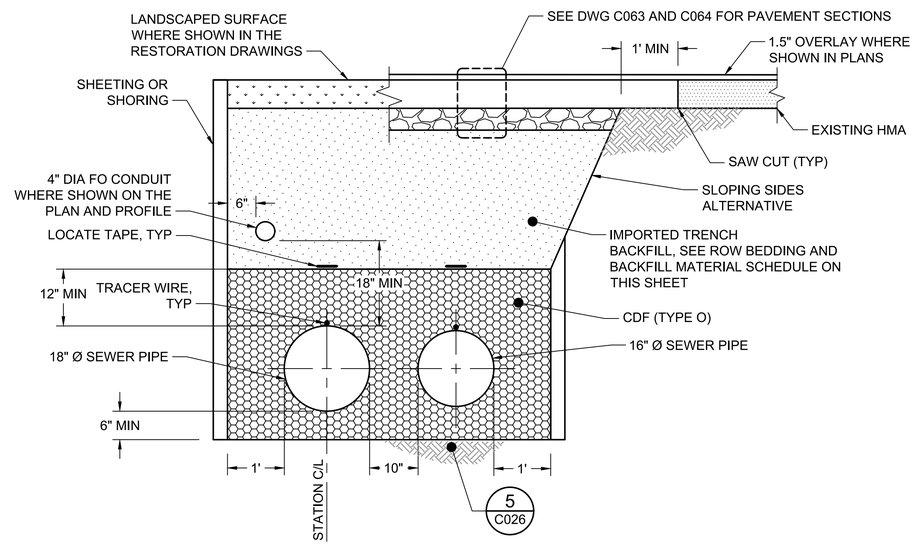
PLOT DATE: 9/17/2019 12:05 PM
PLOTTED BY: D'Aurio, Isaac



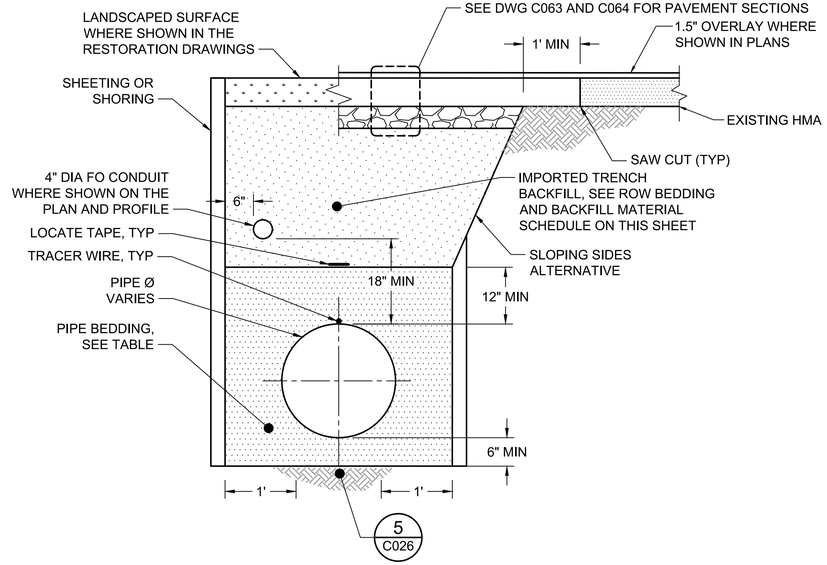
DUAL FORCE MAINS - TRENCH SECTION A (LOOKING DOWNSTREAM)

DETAIL 1 / VAR
SCALE: 3/4"=1'-0"



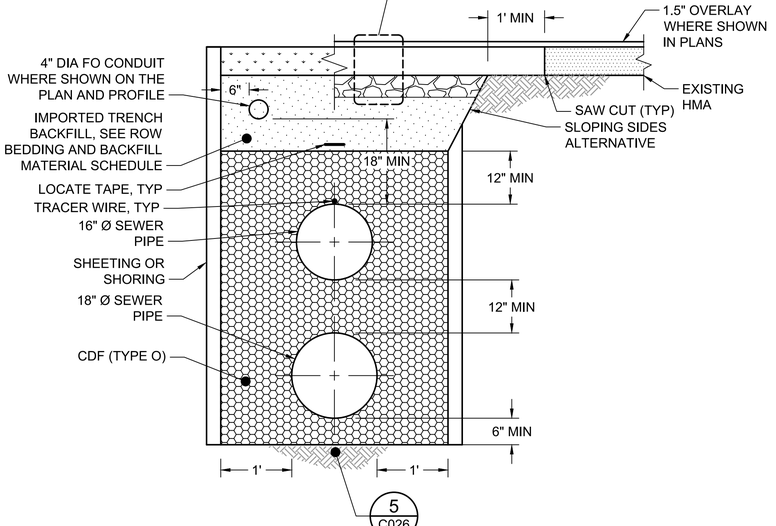
DUAL FORCE MAINS - TRENCH SECTION B (LOOKING DOWNSTREAM)

DETAIL 2 / VAR
SCALE: 3/4"=1'-0"



SINGLE PIPE TRENCH SECTION

DETAIL 3 / VAR
SCALE: 3/4"=1'-0"



DUAL FORCE MAINS - TRENCH SECTION C

DETAIL 4 / VAR
SCALE: 3/4"=1'-0"

NOTES:

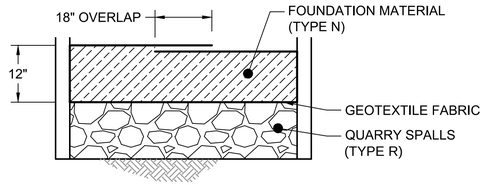
1. SEE SPECIFICATIONS FOR DEFINITION OF KING COUNTY MATERIAL TYPES AND ASSOCIATED FILL CLASSIFICATIONS WHICH INCLUDE MAXIMUM LAYER PLACEMENT DEPTHS AND COMPACTION REQUIREMENTS.
2. ALL STORM, WATER, AND SEWER UTILITY RELOCATIONS NOT SHOWN IN PLAN ARE TO BE IN ACCORDANCE WITH DETAIL 3 ON THIS SHEET.
3. ROW LIMITS ARE DEFINED ON PIPELINE PLAN AND PROFILES DRAWINGS.

RIGHT-OF-WAY BEDDING AND BACKFILL MATERIAL SCHEDULE

PLACEMENT LOCATION	ROW (SEE NOTE 3)	
	CITY OF MERCER ISLAND	WSDOT
PIPE BEDDING	TYPE P	TYPE S
TRENCH BACKFILL		TYPE B

NOTE TO REVIEWER:

1. NEED TO CONFIRM WITH CITY OF MERCER ISLAND THAT FOUNDATION MATERIAL DETAIL SHOWN BELOW IS ACCEPTABLE ALTERNATIVE CITY STANDARD DETAIL S-4.



NOTIFY THE PROJECT REPRESENTATIVE IF SOFT SOILS ARE ENCOUNTERED AT TRENCH DEPTH. OVER EXCAVATE AND PROVIDE FOUNDATION IMPROVEMENTS AS APPROVED BY THE PR.

FOUNDATION IMPROVEMENTS

DETAIL 5 / -
SCALE: 3/4"=1'-0"

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
CIVIL
TRENCH SECTIONS
SHEET 1 OF 4

DCN: **TBD**
DATE:
PROJECT FILE NO: TBD
DRAWING NO: **C026**
SHT NO / TOTAL: 099 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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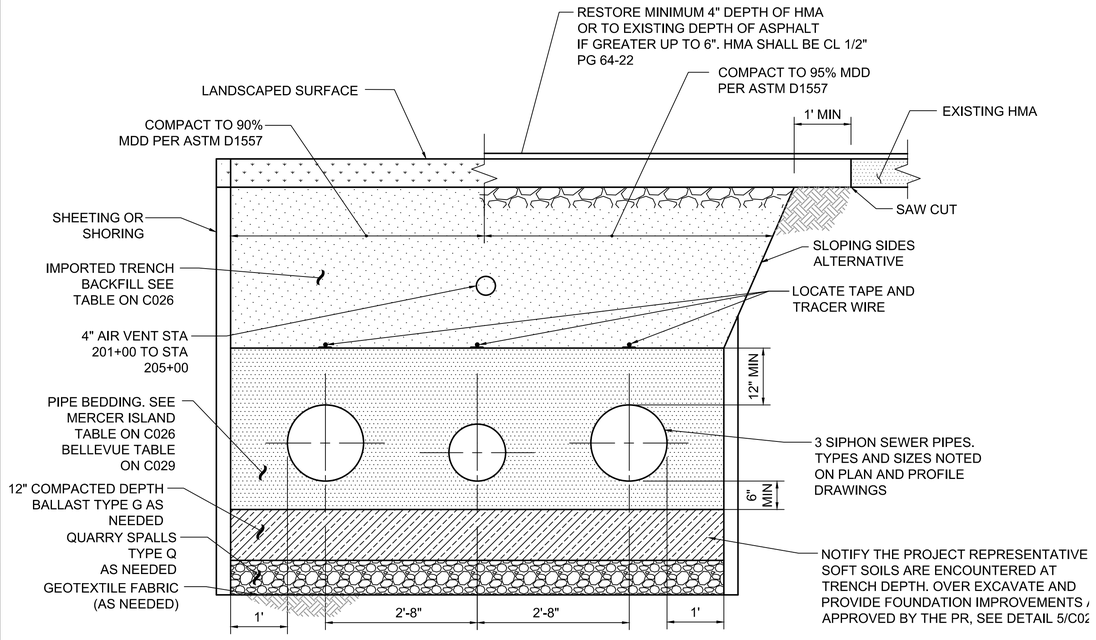
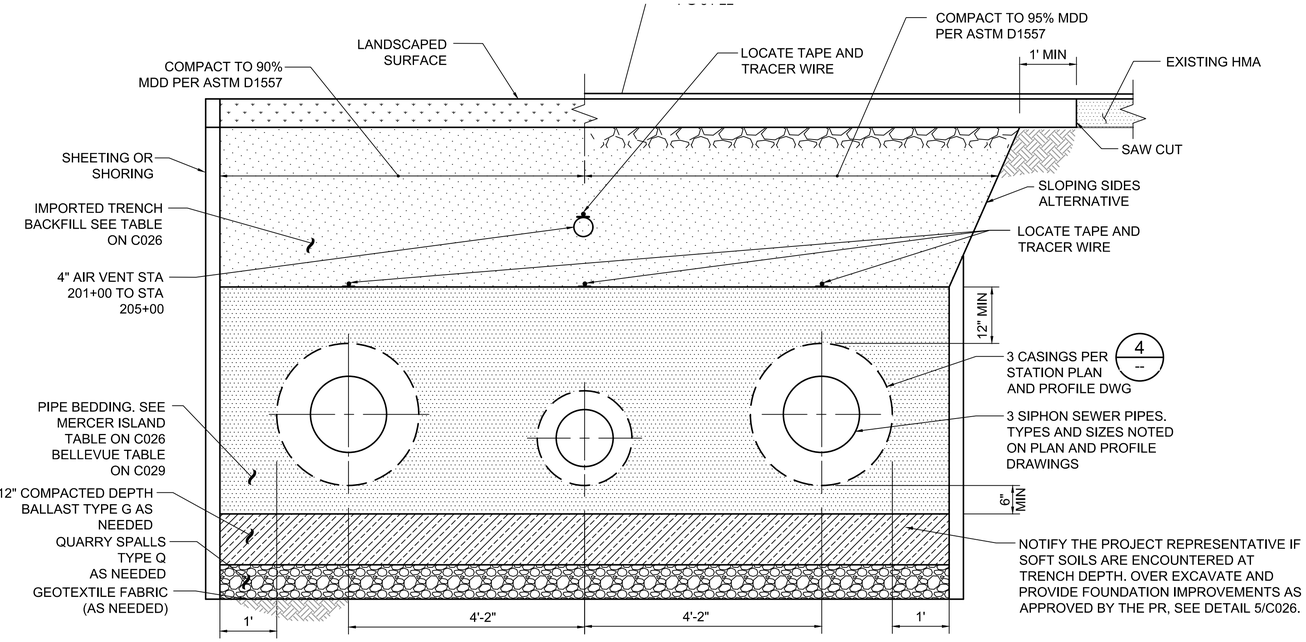
PLOT DATE: 9/9/2019 4:26 PM
PLOTTED BY: D'Aurio, Isaac



EAST CHANNEL SIPHON ON-LAND TRENCH SECTION

SECTION 1 — SCALE: 3/4"=1'-0" — C134, C144, C330-331, C335

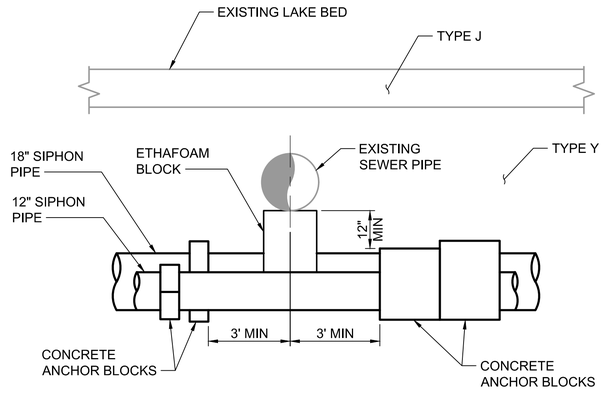


EAST CHANNEL SIPHON ON-LAND TRENCH SECTION W/ CASINGS

SECTION 2 — SCALE: 3/4"=1'-0" — C330

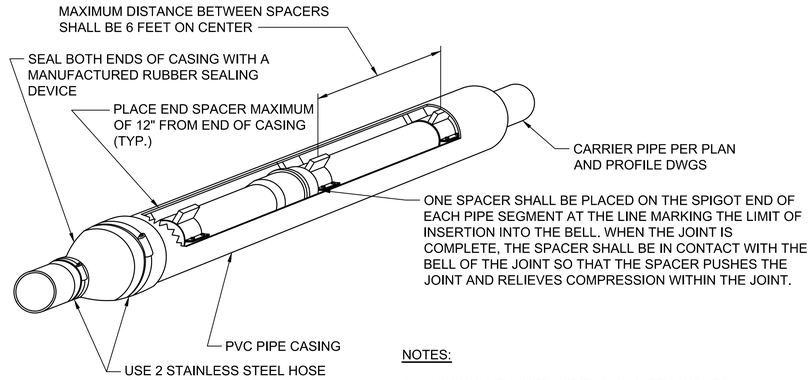
NOTE:

1. PIPE SPACING IN THIS DETAIL APPLIES FROM STATION 201+00 TO STATION 202+26.



EAST CHANNEL SEWER CROSSINGS

DETAIL 3 — SCALE: 1"= 2' — C332, C335



CARRIER PIPE DIAMETER	6"	12"	16"	18"
CASING DIAMETER	12"	20"	24"	30"
PVC CASING THICKNESS	0.25"	0.25"	0.375"	0.50"
SPACER BAND WIDTH	8"	8"	8"	8"

NOTES:

1. MINIMUM RUNNER WIDTH SHALL BE 2 INCHES.
2. RUNNER HEIGHT SHALL BE SIZED TO PROVIDE:
   A. MINIMUM 0.75" BETWEEN CARRIER PIPE BELL AND CASING PIPE WALL AT ALL TIMES.
   B. MINIMUM 1" CLEARANCE BETWEEN RUNNERS AND TOP OF CASING WALL TO PREVENT JAMMING DURING INSTALLATION.
3. PVC CASING DIAMETERS ARE "OUTSIDE DIAMETER" FOR 16" AND LARGER.
4. ANNULAR SPACE TO BE FILLED IN ACCORDANCE WITH SPECIFICATIONS.

CASING INSTALLATION

DETAIL 4 — SCALE: 1"= 2' — --

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: D. NICE	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

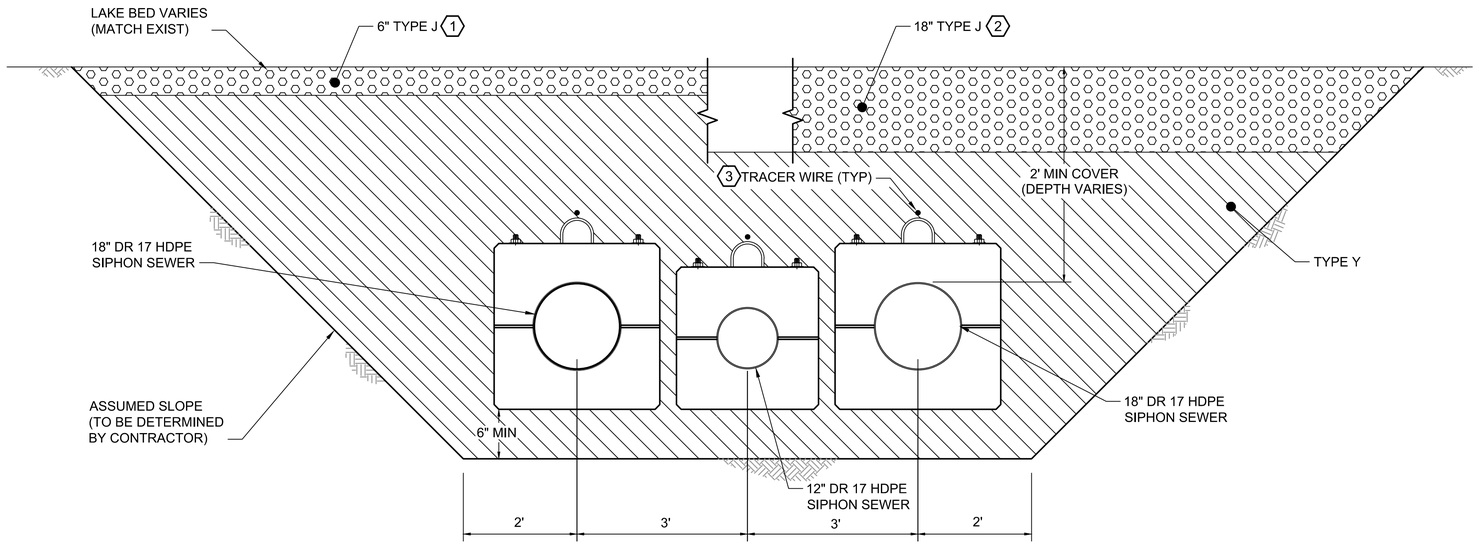
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

CIVIL
TRENCH SECTIONS
SHEET 2 0F 4

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C027
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:O:\Projects\Seattle\12539\200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-C027.dwg
PLOT DATE: 9/26/2019 9:18 AM
PLOTTED BY: Morris, Richard



SIPHON IN-WATER TRENCH SECTION
BETWEEN STA 210+20 TO 224+60

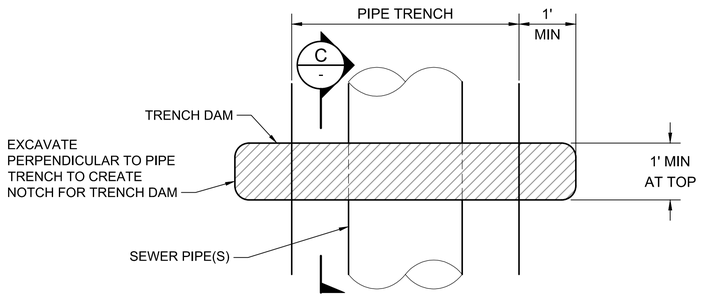
DETAIL 1
SCALE: 3/4"=1'-0" C332-C335

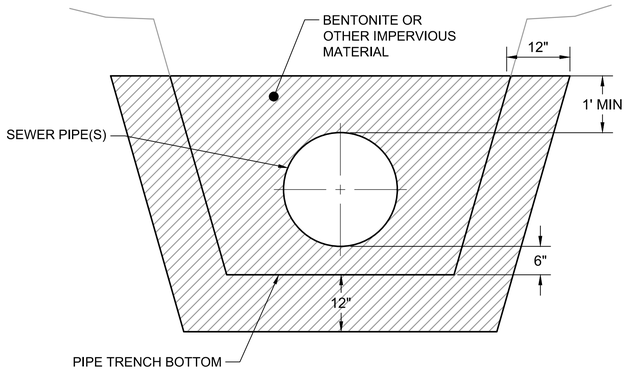
NOTES:

1. ANCHOR BLOCKS REQUIRED BETWEEN STATIONS 210+20 AND 224+60 SEE DRAWING C126.
2. PROVIDE ANCHOR BLOCKS AT 10FT INERVALS ALONG SIPHON PIPES, ALTERNATING TYPE 1 AND TYPE 2 BLOCKS. EXAMPLE TYPE 1 BLOCK AT STA. 212+00, A TYPE 2 BLOCK AT STA. 212+10, A TYPE 1 BLOCK AT STA. 212+20, ETC.
3. ATTACH TRACER WIRE TO LIFTING LOOPS ON TOP OF ANCHOR BLOCKS. TRACER WIRE SHALL TERMINATE IN VAULT AT EACH SHORE OF THE EAST CHANNEL.

KEY NOTES:

1. PLACE TYPE J MATERIAL TO 6" DEPTH BETWEEN COMR AND COB SHORELINE RESTORATION LIMITS.
2. PLACE TYPE J MATERIAL TO 24" DEPTH FROM BURIED LOG AT LWLWD TO OFF SHORE LIMIT OF SHORELINE RESTORATION. SEE C133, C134, C143 AND C144.

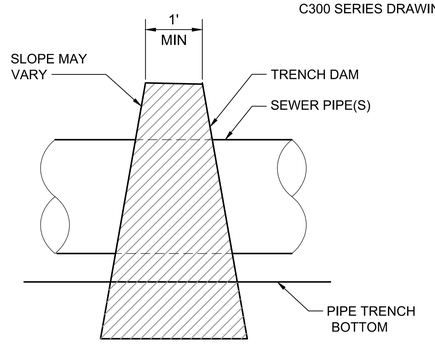




TRENCH DAM

DETAIL 2
SCALE: 3/4"=1'-0"

NOTE:
1. TOP OF TRENCH DAM ELEVATION PER PROFILE ON C300 SERIES DRAWINGS.



SECTION C
SCALE: 3/4"=1'-0"

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND
ENATAI INTERCEPTOR UPGRADE

CIVIL
TRENCH DETAILS
SHEET 3 OF 4

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C028
SHT NO / TOTAL	/
REV NO:	

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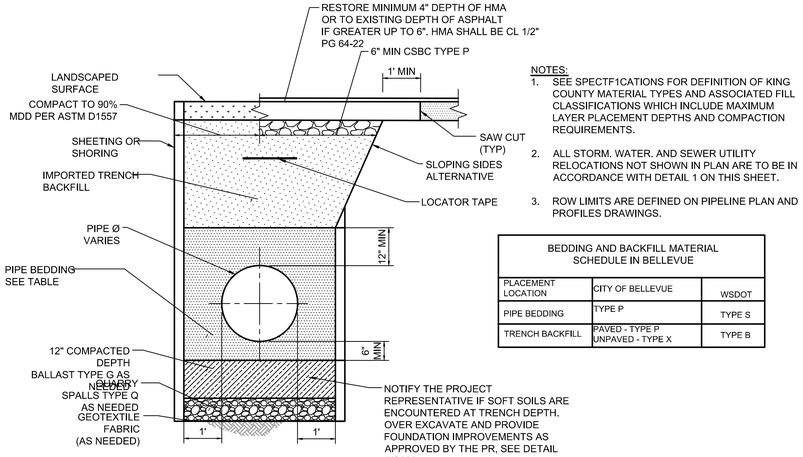
FILE LOCATION: O:\Projects\Seattle\125390\200-12539-180011\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E003006E13-PIPE-C028.dwg
PLOT DATE: 9/26/2019 9:18 AM
PLOTTED BY: Morris, Richard



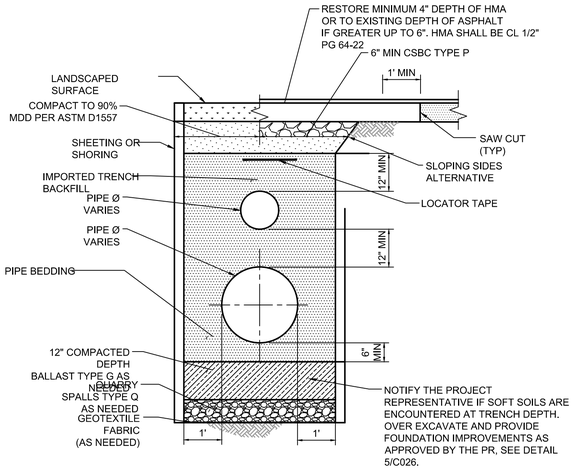
NOTES:

1. SEE SPECTF1CATIONS FOR DEFINITION OF KING COUNTY MATERIAL TYPES AND ASSOCIATED FILL CLASSIFICATIONS WHICH INCLUDE MAXIMUM LAYER PLACEMENT DEPTHS AND COMPACTION REQUIREMENTS.
2. ALL STORM. WATER. AND SEWER UTILITY RELOCATIONS NOT SHOWN IN PLAN ARE TO BE IN ACCORDANCE WITH DETAIL 1 ON THIS SHEET.
3. ROW LIMITS ARE DEFINED ON PIPELINE PLAN AND PROFILES DRAWINGS.

BEDDING AND BACKFILL MATERIAL SCHEDULE IN BELLEVUE		
PLACEMENT LOCATION	CITY OF BELLEVUE	WSDOT
PIPE BEDDING	TYPE P	TYPE S
TRENCH BACKFILL	PAVED - TYPE P UNPAVED - TYPE X	TYPE B

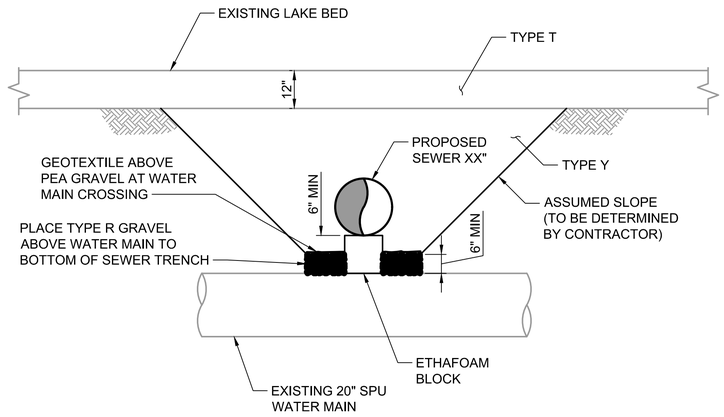
SINGLE PIPE TRENCH SECTION

DETAIL 1 / C029
SCALE: 6"= 1'-0"



PIPELINES IN COMMON TRENCH

DETAIL 2 / C029
SCALE: 6"= 1'-0"



OPEN-CUT TRENCH AT ENATAI BEACH PARK SWIM BEACH

DETAIL 3 / C029
SCALE: 6"= 1'-0"

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: ----	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: ----	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

CIVIL
TRENCH SECTIONS
SHEET 4 0F 4

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C029
SHT NO / TOTAL	/
REV NO:	

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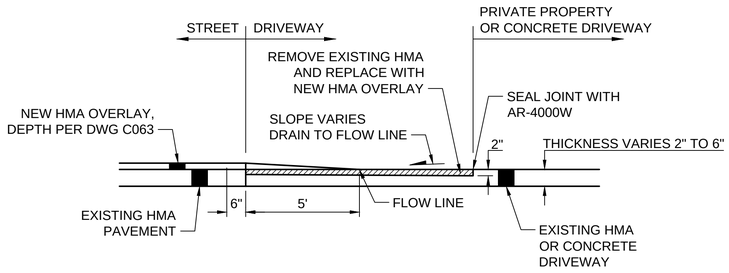
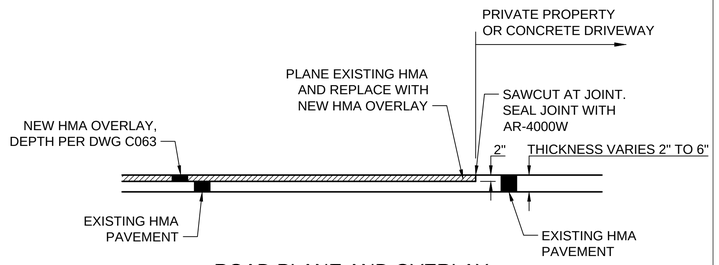
PLOTTED BY: Morris, Richard



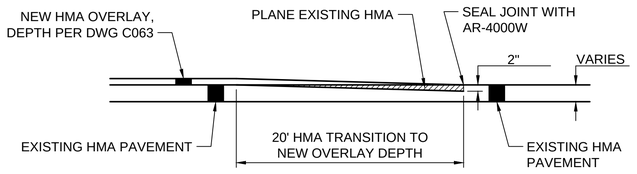
ROAD OVERLAY ONLY



ROAD PLANE AND OVERLAY

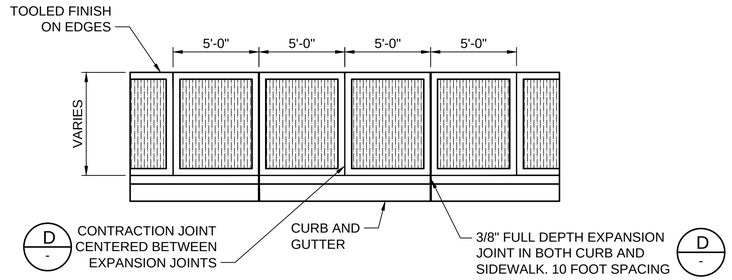
HMA DRIVEWAY APPROACH

DETAIL 1
SCALE: NTS



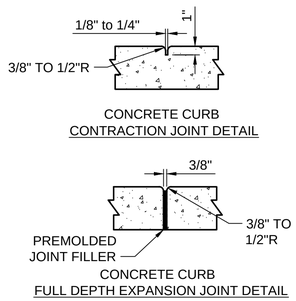
BUTT JOINT

DETAIL 2
SCALE: NTS



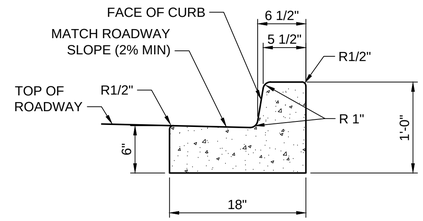
CURBSIDE SIDEWALK PLAN

DETAIL C
SCALE: NTS



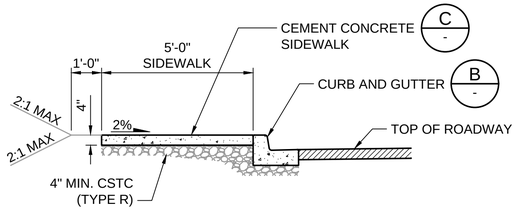
CONCRETE CURB JOINT

SECTION D
SCALE: NTS



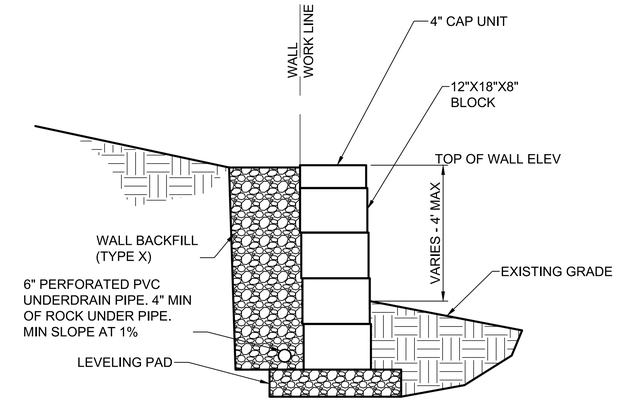
CEMENT CONCRETE
TRAFFIC CURB AND GUTTER

SECTION B
SCALE: NTS

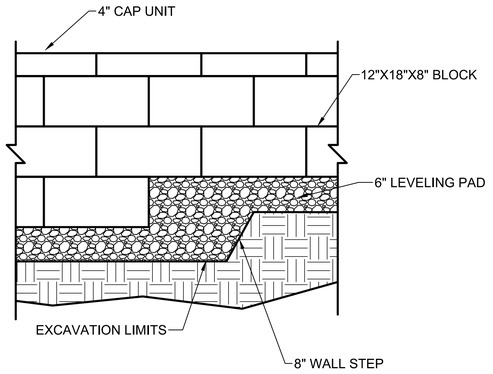


CURBSIDE SIDEWALK SECTION

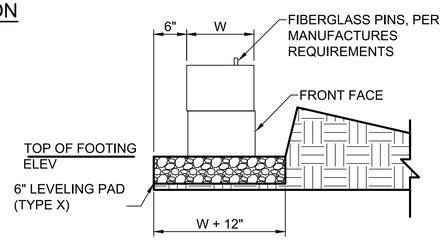
DETAIL 3
SCALE: NTS



TYPICAL WALL SECTION



WALL ELEVATION



LEVELING PAD DETAIL

SEGMENTAL CONCRETE BLOCK WALL

DETAIL 4
SCALE: NTS
C329, C456

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI
INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

RESTORATION DETAILS

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C062
SHT NO / TOTAL	103 / 438
REV NO:	

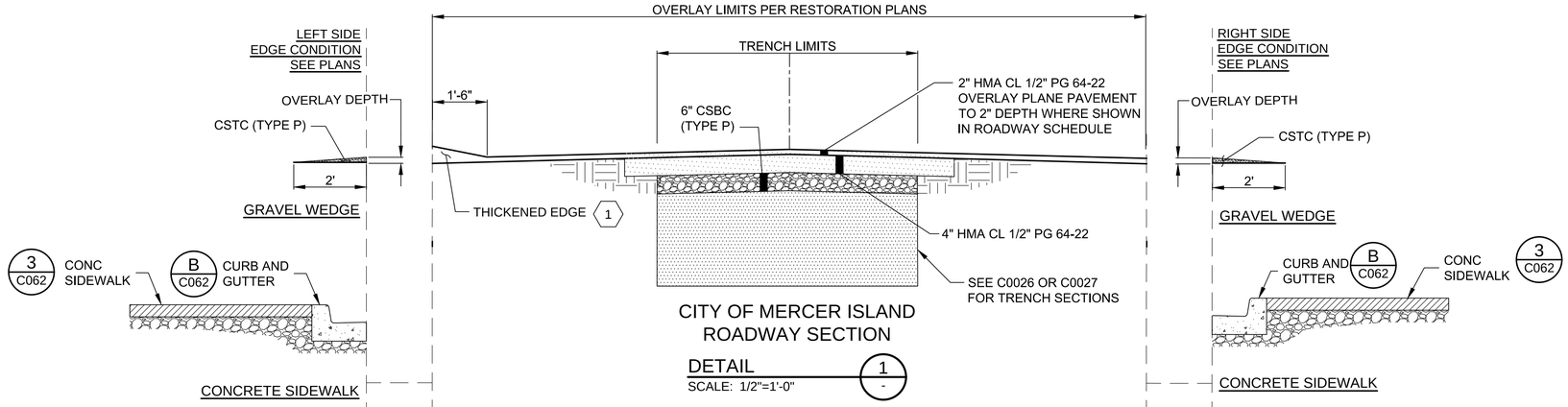
BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C062.dwg
PLOT DATE: 9/9/2019 4:26 PM
PLOTTED BY: D'Auria, Isaac

NOTES:

1. SEE SPECIFICATIONS 31 05 00 FOR DEFINITION OF KING COUNTY MATERIAL TYPES.

(#) KEY NOTES:

1. REFER TO ROADWAY SCHEDULE FOR LOCATIONS OF THICKENED EDGE. WHEN THICKENED EDGES MEET DRIVEWAY ENTRANCES, TRANSITION THE THICKENED EDGE TO MATCH DRIVEWAY PAVEMENT ELEVATION UNDER EXISTING CONFIGURATION, WHICH CAN BE APPROXIMATED AS A CHAMFER OVER A 1' SPAN.

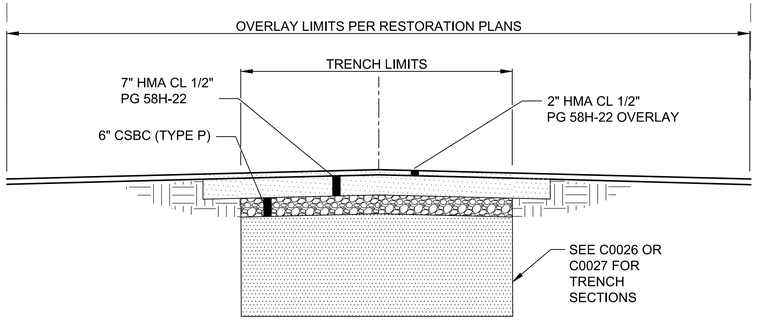


CITY OF MERCER ISLAND
ROADWAY SECTION

DETAIL 1 / -
SCALE: 1/2"=1'-0"

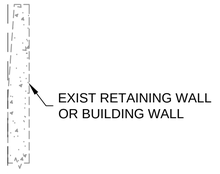
CITY OF MERCER ISLAND
FULL DEPTH PAVEMENT REPLACEMENT ROADWAY SECTION

DETAIL 3 / -
SCALE: 1/2"=1'-0"



WSDOT ROADWAY SECTION

DETAIL 2 / -
SCALE: 1/2"=1'-0"



ROADWAY SCHEDULE

STREET	ROADWAY SECTION DETAIL	THICKENED EDGE	STA START	STA END	DRAWING NUMBER	PLANE AND OVERLAY AREA (SF)	OVERLAY AREA (SF)
SE 22ND ST	1		01+63	07+61	C401-C403		16,842
78TH AVE SE	1		07+61	17+90	C403-C406	31,282	
SE 24TH ST	1	NORTHERN SIDE	17+90	25+00	C406-C408	17,409	
81ST AVE SE	1		25+00	28+53	C408-C409	8,012	
N MERCER WAY	1		28+53	31+72	C409-C410	8,652	
N MERCER WAY	2		37+72	35+47	C410-C411	9,885	
90TH PL SE	1	NORTHERN SIDE	61+38	64+18	C418		9,771
90TH PL SE	3	NORTHERN SIDE	64+18	71+06	C418-C421		13,845 (FULL DEPTH)
90TH PL SE	1	NORTHERN SIDE	71+06	72+05	C421		5,601
N MERCER WAY	1		81+84	83+66	C424	3,812	
N MERCER WAY	1		86+92	88+00	C425	2,000	
SE 35TH ST	1		88+00	91+33	C426	12,426	
SE 35TH ST	1		93+35	95+50	C418	5,822	
97TH AVE SE	1		98+90	100+21	C428	8,613	
SE 35TH PL	2		103+46	203+13(STA EQ)	C429-C430	13,238	
SE 35TH PL	1		203+00	207+80	C430-C431	17,572	
FRONTAGE RD	2		208+50	210+35	C431-C432	5,320	
BOAT LAUNCH PARKING	2		-	-	C132	30,070	
ENATAI BEACH PARK ROAD							11,460

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

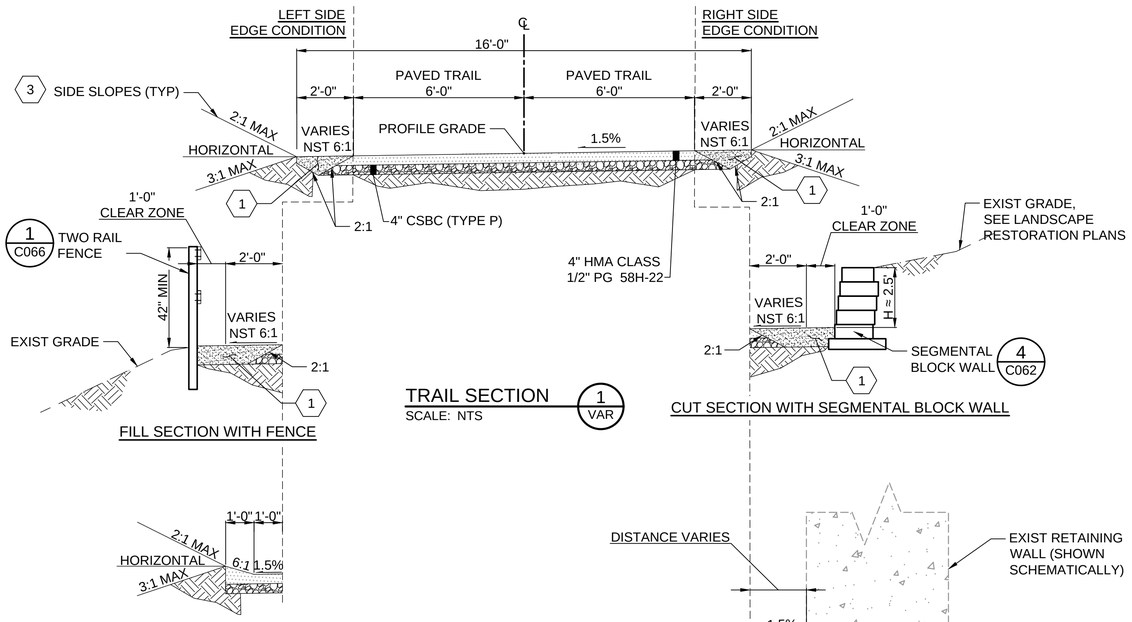
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

ROADWAY RESTORATION TYPICAL SECTIONS

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C063
SHT NO / TOTAL: 104 / 438
REV NO:

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13_PIPE_C063.dwg
PLOT DATE: 9/17/2019 1:27 PM
PLOTTED BY: D'Auria, Isaac

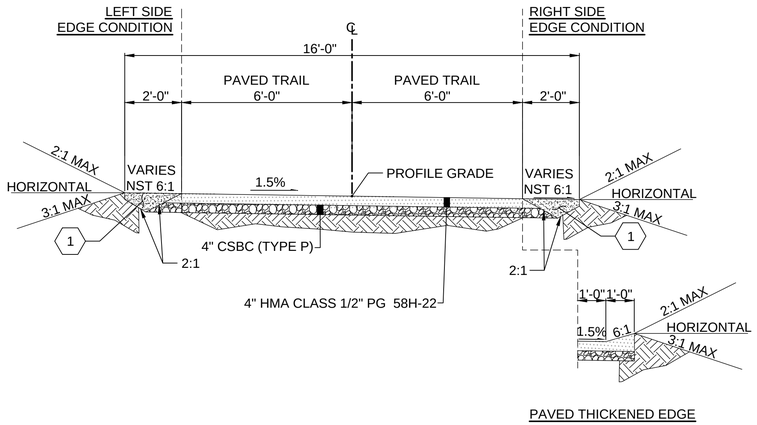


TRAIL SECTION 1 VAR
SCALE: NTS

FILL SECTION WITH FENCE

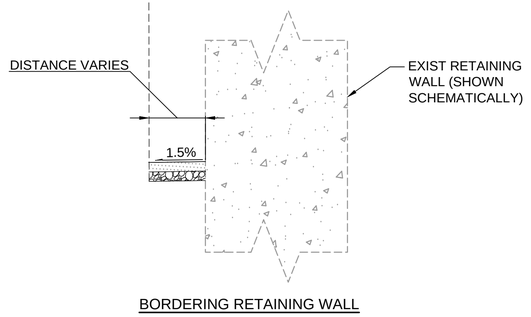
CUT SECTION WITH SEGMENTAL BLOCK WALL

PAVED THICKENED EDGE

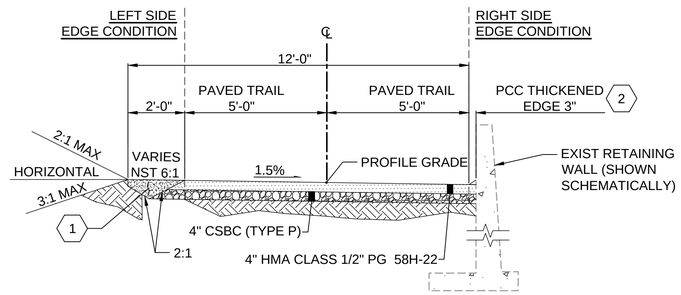


TRAIL SECTION 2 VAR
SCALE: NTS

PAVED THICKENED EDGE



BORDERING RETAINING WALL



TRAIL SECTION 3 VAR
SCALE: NTS

NOTES:

1. SEE RESTORATION DRAWINGS FOR RESTORATION OUTSIDE OF TRAIL SHOULDERS.
2. TRAIL ALIGNMENT AND PROFILE ARE DEFINED ON DRAWINGS C451 TO C466.

KEY NOTES:

1. CSTC, DEPTH VARIES.
2. PCC WEDGE WIDTH TO EXTEND FROM EXIST RETAINING WALL TO OUTSIDE EDGE OF EXIST CB RIM, APPROXIMATELY 3".
3. SIDE SLOPES TO EXTEND OUT UNTIL EXIST GRADE IS MET.

SEGMENT T-A SCHEDULE

TRAIL SECTION NO.	STA START	STA END	LEFT SIDE EDGE CONDITION	RIGHT SIDE EDGE CONDITION
2	00+00	00+50	GRAVEL SHOULDER	GRAVEL SHOULDER
1	00+50	05+08	GRAVEL SHOULDER	GRAVEL SHOULDER
1	05+08	06+37	FILL SECTION WITH FENCE	GRAVEL SHOULDER
1	06+37	06+84	GRAVEL SHOULDER	GRAVEL SHOULDER
1	06+84	08+00	GRAVEL SHOULDER	EXISTING RETAINING WALL
1	08+00	19+14	GRAVEL SHOULDER	GRAVEL SHOULDER
1	19+14	20+50	GRAVEL SHOULDER	CUT SECTION WITH SEGMENTAL BLOCK WALL
1	20+50	21+96	FILL SECTION WITH FENCE	GRAVEL SHOULDER
1	21+96	22+35	GRAVEL SHOULDER	GRAVEL SHOULDER
1	22+35	25+30	FILL SECTION WITH FENCE	GRAVEL SHOULDER
1	25+30	25+71	GRAVEL SHOULDER	GRAVEL SHOULDER

SEGMENT T-B SCHEDULE

TRAIL SECTION NO.	STA START	STA END	LEFT SIDE	RIGHT SIDE
1	00+00	04+57	PAVED THICKENED EDGE	GRAVEL SHOULDER
1	04+57	12+00	GRAVEL SHOULDER	GRAVEL SHOULDER
1	12+00	15+20	PAVED THICKENED EDGE	GRAVEL SHOULDER
1	15+20	15+98	GRAVEL SHOULDER	GRAVEL SHOULDER

SEGMENT T-C SECTION SCHEDULE

TRAIL SECTION NO.	STA START	STA END	LEFT SIDE	RIGHT SIDE
1	00+00	01+70	GRAVEL SHOULDER	GRAVEL SHOULDER
2	01+70	03+62	GRAVEL SHOULDER	PAVED THICKENED EDGE
3	03+62	09+43	GRAVEL SHOULDER	EXISTING RETAINING WALL

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TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

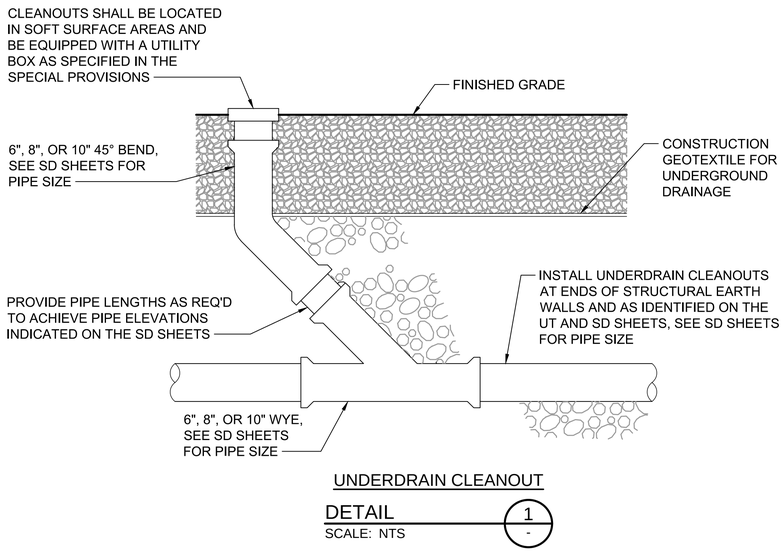
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAIL RESTORATION TYPICAL SECTIONS

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C064
SHT NO / TOTAL: 105 / 438
REV NO:

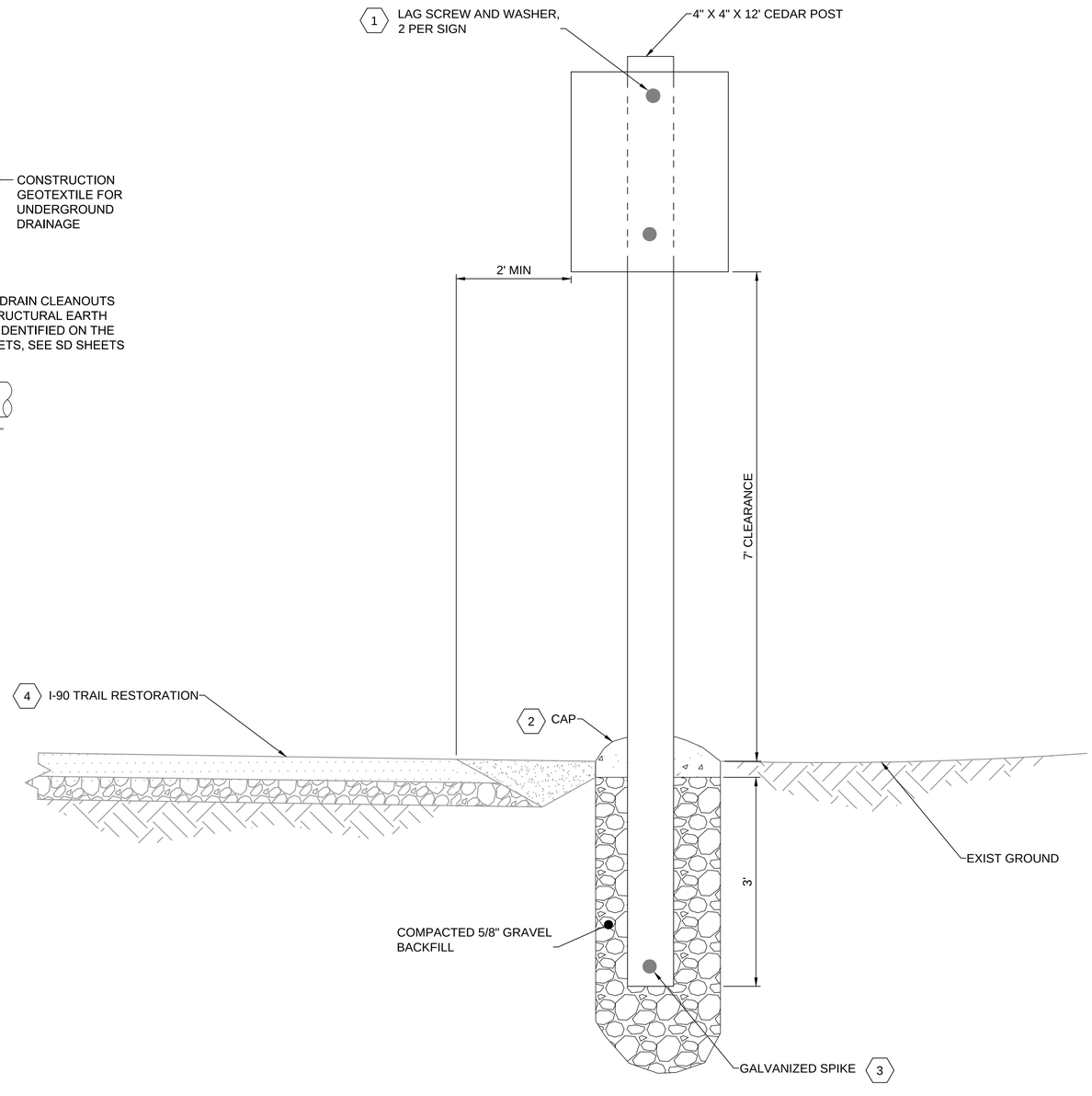
BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C064.dwg
PLOT DATE: 9/9/2019 4:26 PM
PLOTTED BY: D'Auria, Isaac



UNDERDRAIN CLEANOUT

DETAIL 1/-

SCALE: NTS



STANDARD SIGN INSTALLATION

DETAIL 2/VAR

SCALE: NTS

NOTES:

1. SIGN INSTALLATION SHALL BE PER MUTCD.
2. REFLECTOR ADDED TO SIGN POST PER KC PARKS ENGINEER'S DETERMINATION.

KEY NOTES:

1. 3-$\frac{1}{4}$" X 5/16 " GALVANIZED OR PALTED LAG SCREW AND $\frac{3}{16}$" ID X 1" OD NYLON WASHER.
2. CAP SHALL BE THE SAME MATERIAL AS THE SURROUNDING SURFACE.
3. INSTALL #300 GALVANIZED COMMON SPIKE ON THE FACE SIDE OF POST AS DIRECTED BY PROJECT REPRESENTATIVE. SPIKE SHALL BE 8" ABOVE BOTTOM OF POST AND SHALL PROTRUDE 2" FROM POST
4. FOR I-90 TRAIL PAVEMENT RESTORATION DETAILS, SEE DRAWING C064.

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAIL RESTORATION DETAILS SHEET 1 OF 3

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C065
SHT NO / TOTAL	106 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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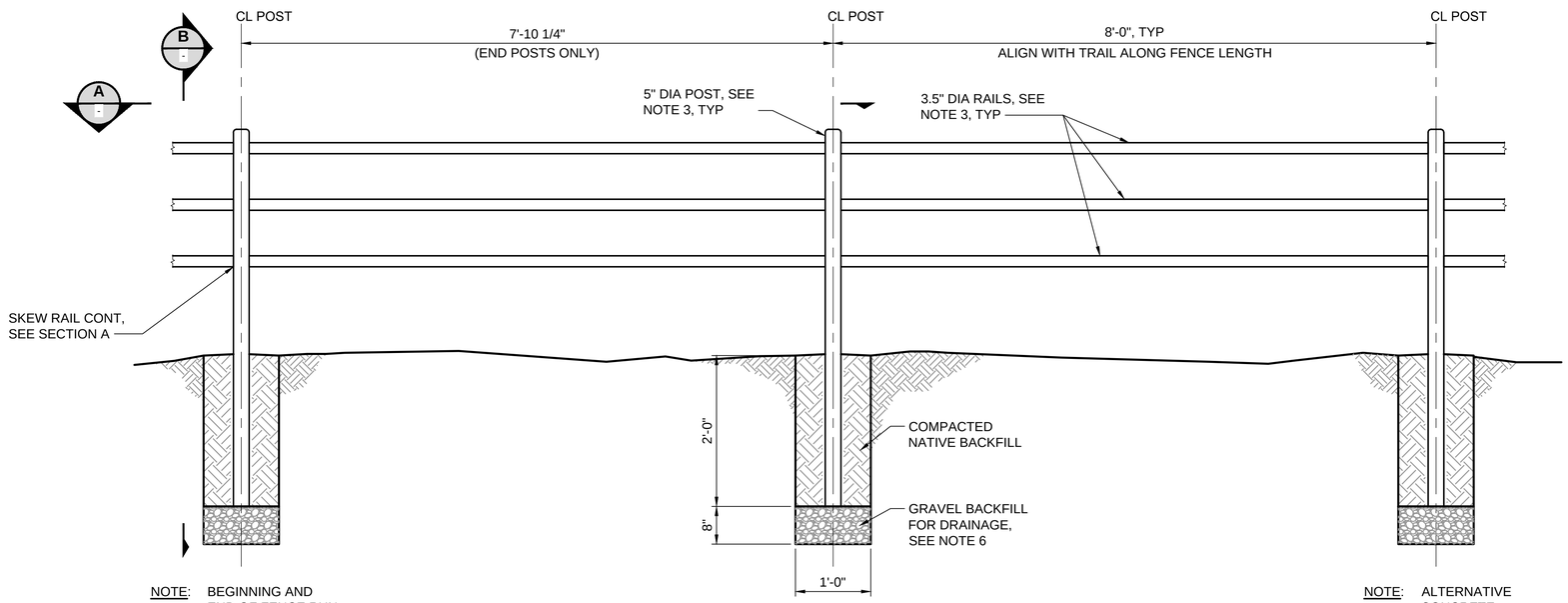
PLOT DATE: 9/9/2019 4:26 PM
PLOTTED BY:D'Auria, Isaac



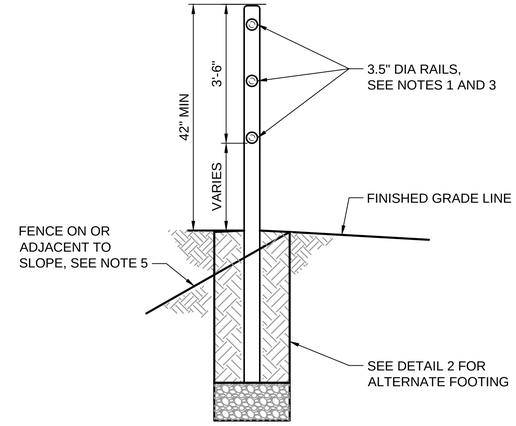
NOTE: BEGINNING AND END OF FENCE RUN SHALL BE SKEWED TO MATCH PLAN IN SECTION A.

NOTE: ALTERNATIVE CONCRETE FOOTING, SEE DETAIL 2 AND NOTE 4.

TWO-RAIL FENCE - ELEVATION

DETAIL 1 / VAR

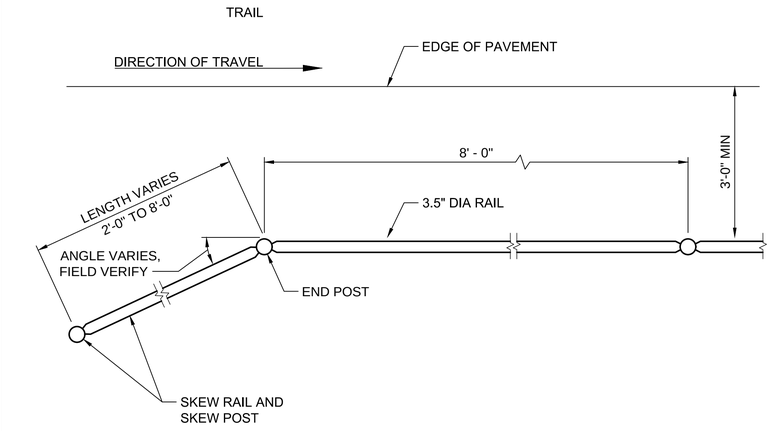
SCALE: NTS



TWO-RAIL FENCE - SECTION

SECTION B / -

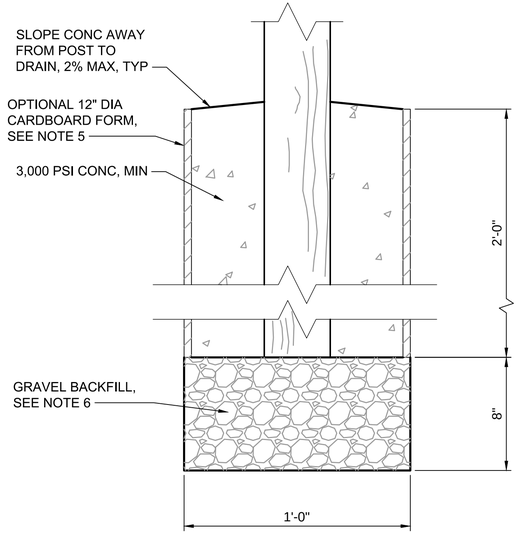
SCALE: NTS



SKEW RAIL AND POST - PLAN VIEW

SECTION A / -

SCALE: NTS



CONCRETE FOOTING

DETAIL 2 / VAR

SCALE: NTS

NOTES:

1. FENCING TO BE DOWELED-RAIL STYLE. RAIL HOLES TO BE PRE DRILLED. PLACEMENT TO BE FIELD VERIFIED.
2. SENSITIVE AREA/WETLAND SIGNS SHALL BE MOUNTED ON SAWN LUMBER FENCE POST EVERY 100 FEET. MOUNT SIGN TO POST USING (2) 1/4" x 2" LONG GALVANIZED STEEL LAG SCREWS WITH GALVANIZED STEEL WASHERS. MINIMUM (2) SIGNS PER FENCE RUN.
3. ALL POSTS SHALL BE UNTREATED CEDAR LUMBER.
4. FENCE POST SHALL BE INSTALLED EITHER IN NATIVE BACKFILL (DETAIL 1) OR IN CONCRETE FOOTING (DETAIL 2) DEPENDING ON NEED PER PROJECT REPRESENTATIVE'S DIRECTION.
5. FENCE INSTALLED ON OR ADJACENT TO A SLOPE SHALL UTILIZE CONCRETE FILL WITH 12" DIAMETER CARDBOARD FORM PER PROJECT REPRESENTATIVE'S DIRECTION.
6. GRAVEL BACKFILL FOR DRAINAGE TO BE USED WHERE ALLOWABLE PER KC PARKS ENGINEER'S DECISION. GRAVEL BACKFILL FOR DRAINS SHALL CONFORM TO WSDOT STANDARD SPEC 9-03.12(4).

FOR REFERENCE ONLY

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TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

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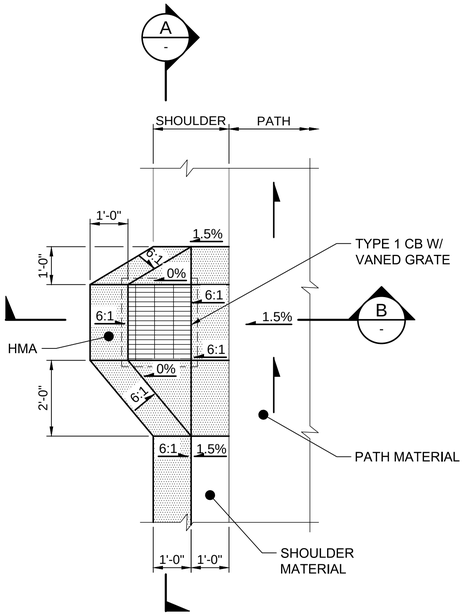
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAIL RESTORATION DETAILS SHEET 2 OF 3

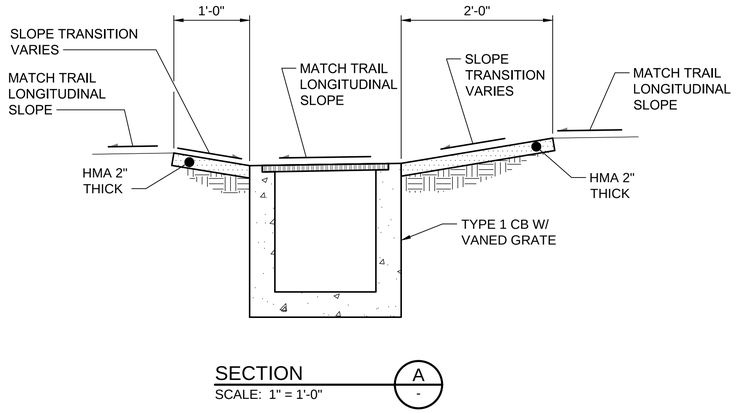
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C066
SHT NO / TOTAL	107 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C066.dwg
PLOT DATE: 9/9/2019 4:26 PM
PLOTTED BY: D'Auria, Isaac

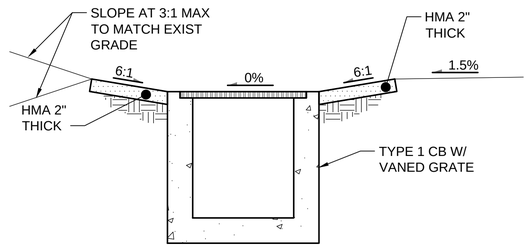


DEPRESSION AT NEW CB INLET

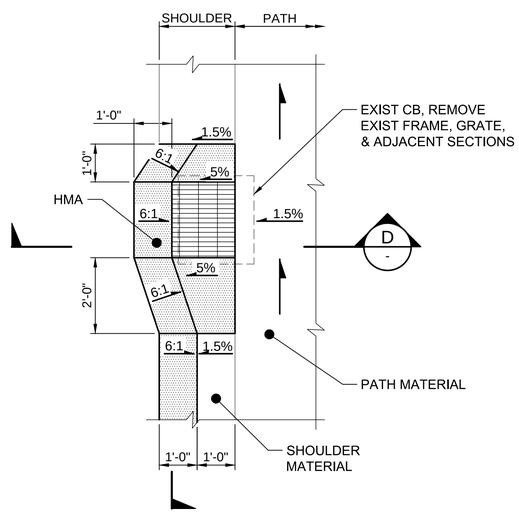
DETAIL 1 - SCALE: 1/2" = 1'-0"



SECTION A - SCALE: 1" = 1'-0"

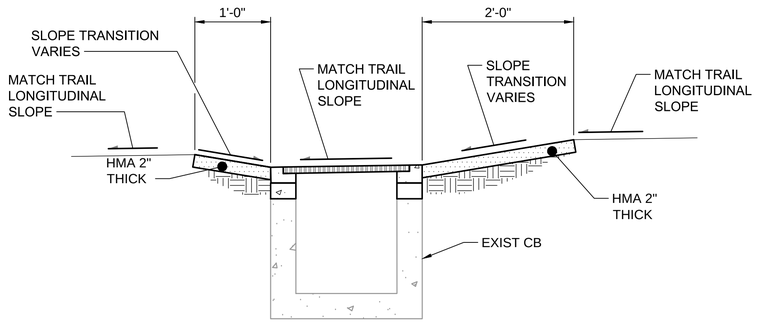


SECTION B - SCALE: 1" = 1'-0"

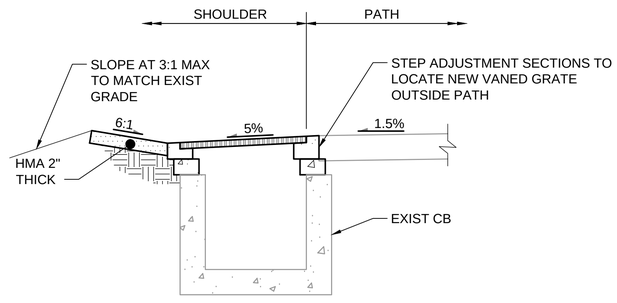


DEPRESSION AT EXIST CB INLET

DETAIL 2 - SCALE: 1/2" = 1'-0"



SECTION C - SCALE: 1" = 1'-0"



SECTION D - SCALE: 1" = 1'-0"

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

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JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

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WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI
INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAIL RESTORATION DETAILS SHEET 3 OF 3

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C067
SHT NO / TOTAL	108 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C067.dwg
PLOT DATE: 9/9/2019 4:26 PM
PLOTTED BY:D'Auria, Isaac

PLANT SCHEDULE

SYMBOL	TYPE	QUANTITY	BOTANICAL NAME	COMMON NAME	ROOT CONDITION	SIZE	REMARKS
	TREE	127	CALOCEDRUS DECURRENS	INCENSE CEDAR	#5 CONT.	24 IN.	NATURAL FORM; SINGLE LEADER
	TREE	39	CORNUS 'EDDIES WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	#5 CONT.	-	-
	TREE	7	GINKGO BILOBA 'MAGYAR'	MAGYAR GINKGO	B&B	2.5 INCH CAL.	STREET TREE GRADE
	TREE	29	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	#5 CONT.	-	-
	TREE	10	NYSSA SILVATICA 'RED RAGE'	RED RAGE TUPELO	B&B	2.5 INCH CAL.	STREET TREE GRADE
	TREE	9	PARROTIA PERSICA	PERSIAN IRONWOOD	B&B	2.5 INCH CAL.	STREET TREE GRADE
	TREE	27	PINUS CONTORTA	SHORE PINE	#5 CONT.	-	NATURAL FORM; SINGLE LEADER
	TREE	12	QUERCUS FRAINETTO	ITALIAN OAK	B&B	2.5 INCH CAL.	STREET TREE GRADE
	TREE	28	THUJA PLICATA	WESTERN REDCEDAR	#5 CONT.	18 INCH	NATURAL FORM; SINGLE LEADER
	TREE	13	TILIA AMERICANA 'REDMOND'	REDMOND BASSWOOD	B&B	2.5 INCH CAL.	STREET TREE GRADE
	LARGE SHRUB	132	ACER CIRCINATUM	VINE MAPLE	#2 CONT.	18 INCH	MIN. 3 BRANCHES
	LARGE SHRUB	22	AMELANCHIER ALNIFOLIA	WESTERN SERVICEBERRY	#2 CONT.	18 INCH	MIN. 3 BRANCHES
	LARGE SHRUB	33	ARBUTUS UNEDO 'COMPACTA'	COMPACT STRAWBERRY TREE	#2 CONT.	18 INCH	MIN. 3 CANES
	LARGE SHRUB	255	MAHONIA AQUIFOLIUM	TALL OREGON-GRAPE	#2 CONT.	18 INCH	
	LARGE SHRUB	110	MYRICA CALIFORNICA	PACIFIC WAX MYRTLE	#2 CONT.	18 INCH	MIN. 3 CANES
	SHRUB	165	RUBUS PARVIFLORUS	THIMBLEBERRY	#1 CONT.	12 INCH	MIN. 3 CANES
	SHRUB	176	SYMPHORICARPOS ALBUS	SNOWBERRY	#1 CONT.	12 INCH	MIN. 3 CANES
	SHRUB	434	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	#1 CONT.	12 INCH	
	SMALL SHRUB	270	BERBERIS THUNBERGII 'ATROPURPUREA NANA'	JAPANESE BARBERRY 'ATROPURPUREA NANA'	#1 CONT.	9 INCH	
	SMALL SHRUB	433	GAULTHERIA SHALLON	SALAL	#1 CONT.	6 INCH	
	SMALL SHRUB	333	CORNUS SERICEA 'KELSEYI'	KELSEY DOGWOOD	#1 CONT.	9 INCH	
	SMALL SHRUB	481	PRUNUS LAUROCERASUS 'MOUNT VERNON'	MOUNT VERNON LAUREL	#1 CONT.	6 INCH	
	SMALL SHRUB	1358	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	#1 CONT.	9 INCH	MIN. 3 CANES
	SMALL SHRUB	1635	ROSA GYMNOCARPA	BALDHIP ROSE	#1 CONT.	12 INCH	MIN. 3 CANES
	SMALL SHRUB	201	SPIRAEA JAPONICA 'WALBUMA'	MAGIC CARPET SPIREA	#1 CONT.	9 INCH	
	SMALL SHRUB	157	VIBURNUM DAVIDII	DAVID VIBURNUM	#1 CONT.	9 INCH	
	GROUNDCOVER	1070	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA GRASS	#1 CONT.		
	GROUNDCOVER	4789	EPIMEDIUM X PERRALCHICUM 'FROHNLEITEN'	FROHNLEITEN EPIMEDIUM	#1 CONT.		
	GROUNDCOVER	1303	GERANIUM MACRORRHIZUM 'INGWERSEN'S VARIETY'	HARDY GERANIUM	#1 CONT.		
	GROUNDCOVER	383	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	#1 CONT.		
	GROUNDCOVER	2505	LIRIOPE MUSCARI 'BIG BLUE'	LILY TURF	#1 CONT.		
	GROUNDCOVER	331	MAHONIA NERVOSA	LOW OREGON-GRAPE	#1 CONT.	6 INCH	
	GROUNDCOVER	1606	MAHONIA REPENS	CREEPING MAHONIA	#1 CONT.	6 INCH	
	GROUNDCOVER	326	SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS	#1 CONT.		
	FERN	2355	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	#1 CONT.	-	MIN. 3 FRONDS

NOTES:

1. ALL PLANT MATERIAL SPECIFICATIONS FOR SIZE AND CONDITION ARE MINIMUM REQUIREMENTS, AND ARE IN ACCORDANCE WITH THE CURRENT EDITION OF "AMERICAN STANDARDS FOR NURSERY STOCK". IF A CONFLICT OCCURS BETWEEN THESE SPECIFICATIONS AND THE "A.S.N.S.", THESE SPECIFICATIONS SHALL APPLY.
2. ALL CONTAINERIZED PLANTS SHALL HAVE ROOT SYSTEMS WHICH FULLY FILL THE CONTAINER WITHOUT HAVING ROOTS THAT CIRCLE THE POT.
3. IMMEDIATELY BEFORE INSTALLATION, PLANT'S ROOTS THAT ARE BROKEN, DAMAGED, OR TWISTED SHALL BE PRUNED. MATTED OR CIRCLING ROOTS OF CONTAINERIZED PLANTS MUST BE PRUNED OR STRAIGHTENED AND THE SIDES OF THE ROOTBALL SHALL BE ROUGHENED FROM TOP TO BOTTOM TO A DEPTH OF APPROXIMATELY ONE HALF INCH IN TWO TO FOUR PLACES.
4. USE CARE TO PROTECT ROOTS OF EXISTING TREES.
5. STREET TREE GRADE- TRUNK FREE OF BRANCHES TO 7-10 FOOT HEIGHT, STREET TREES SHALL BE STAKED AND SECURED WITHIN 48 HOURS AFTER PLANTING,
6. CONIFERS SHALL HAVE A NATURAL FORM (NO SHEARING) AND A SINGLE LEADER.
7. TYPICAL SETBACKS FOR PLANT MATERIAL UNLESS OTHERWISE ADJUSTED BY THE PROJECT REPRESENTATIVE DURING LAYOUT AND STAKING OF PLANT LOCATIONS.

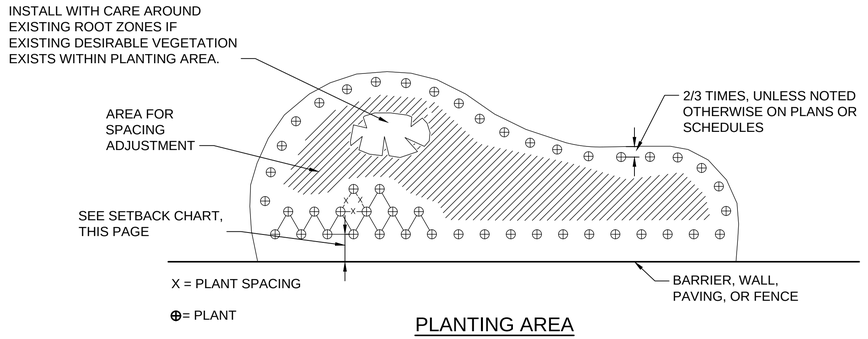
PLANT MATERIAL SETBACK CHART

	BACK OF CURB	EDGE OF PAVEMENT	WALL	FENCE	LIGHT POLE	OVERHEAD POWER CENTERLINE	DRAINAGE STRUCTURE	UNDERGROUND SEWER/WATER LINE
GROUNDCOVER / PERENNIALS / EMERGENTS	1'	1.3'	1.5'	1.5'	1.5'	-	-	-
SMALL SHRUB/FERN	1.3	3'	3'	3'	3'	-	2.5'	2.5'
MEDIUM SHRUB	2.8	4.5'	5'	3'	5'	-	2.5'	2.5'
TALL SHRUB	5'	4.5'	5'	5'	8'	-	5'	5'
TREE	2.5'	5'	10'	10'	15'	20' *	5'	5'

*SMALL TREES ARE ALLOWED UNDER THE OVERHEAD POWERLINES AS SHOWN IN THE PLANS.

SETBACK NOTES:

1. THE SETBACKS ABOVE ARE MINIMUM SETBACKS FROM CENTER OF PLANT MATERIAL (TRUNK OR STEM) TO FEATURE LISTED IN EACH COLUMN.
2. IN AREAS WHERE SMALL SHRUBS AND GROUNDCOVERS ARE SHOWN ON PLANTING PLAN, BUT THEY CANNOT BE PLANTED WITH REQUIRED SETBACKS, A MIN ONE ROW OF PLANTS SHALL BE PLANTED AT THE SPECIFIED SPACING CENTERED IN THE MIDDLE OF PLANTING AREA.
3. TREE LOCATIONS SHOWN ON PLANTING PLANS ARE APPROXIMATE; IF FIELD ADJUSTMENTS ARE NECESSARY, THE SETBACKS ABOVE SHALL APPLY. RESIDENT ENGINEER WILL APPROVE FINAL LOCATION.



PLANTING AREA

GENERIC LAYOUT (1 / VAR)

SCALE: NTS

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: L. FRENCH	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

LANDSCAPING RESTORATION DETAILS

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C081
SHT NO / TOTAL	109 / 438
REV NO:	

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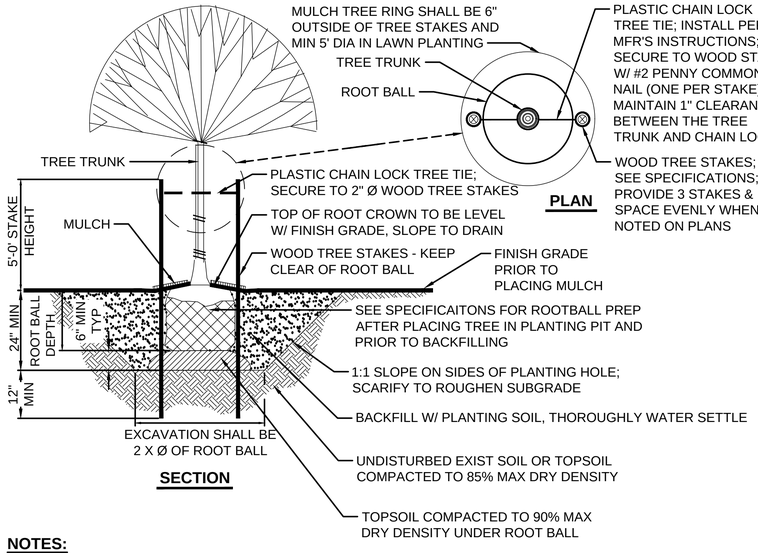
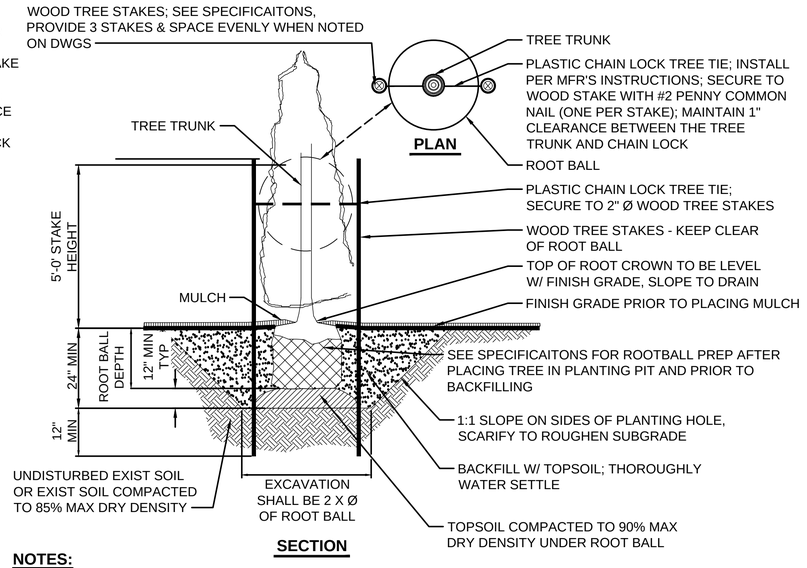
PLOT DATE: 9/9/2019 4:26 PM
PLOTTED BY:D'Auria, Isaac



NOTES:

1. SEE SPECIFICATIONS FOR SOIL PLACEMENT DEPTH.
2. PROVIDE 24" MIN DEPTH OF TOPSOIL AT DECIDUOUS TREE EXCAVATION.
3. ROTATE TREES IN PLANTING AREAS ADJACENT TO VEHICULAR ZONES SO THAT THE DOMINATE BRANCHES ALIGN PARALLEL TO THE VEHICULAR ZONES.

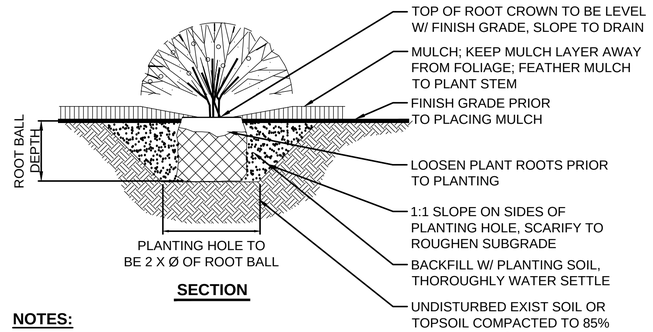
DECIDUOUS TREE PLANTING — 1 VAR
SCALE: NTS



NOTES:

1. SEE SPECIFICATIONS FOR SOIL PLACEMENT DEPTH.
2. PROVIDE 24" MIN DEPTH OF TOPSOIL AT CONIFER TREE EXCAVATION.
3. FOR CONIFER TREES LESS THAN 6' IN HEIGHT, ONE TREE STAKE AT AN ANGLE IS ACCEPTABLE.

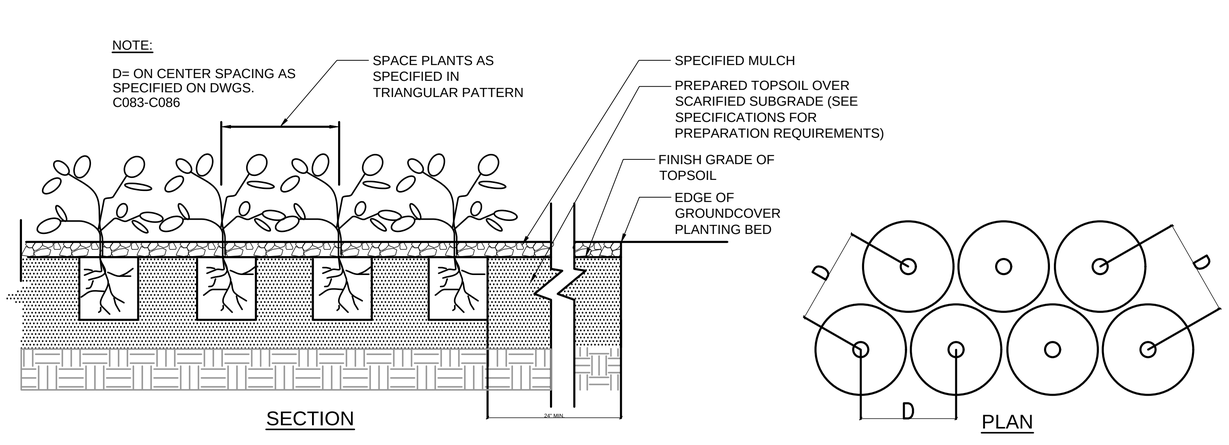
CONIFER TREE PLANTING — 2 VAR
SCALE: NTS



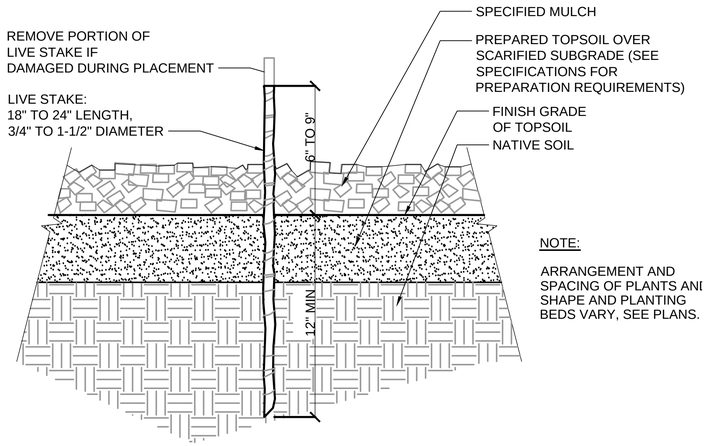
NOTES:

1. SEE SPECIFICATIONS FOR SOIL PLACEMENT DEPTH.

SHRUB PLANTING — 3 VAR
SCALE: NTS



GROUNDCOVER PLANTING — 4 VAR
SCALE: NTS



LIVE STAKE INSTALLATION — 4 VAR
SCALE: NTS

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: L. FRENCH	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

LANDSCAPING RESTORATION DETAILS

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C082
SHT NO / TOTAL	110 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\715LAND\E00306E13-PIPE-C082.dwg
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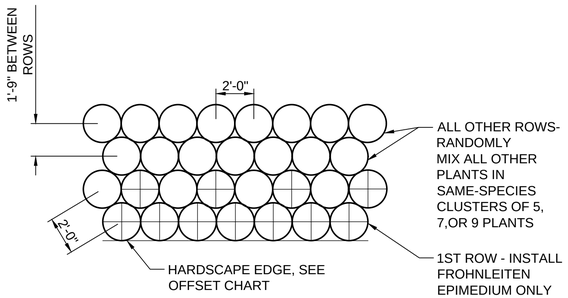
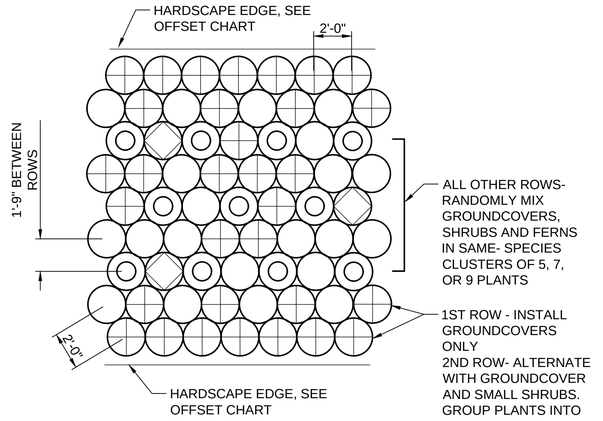
PLOTTED BY:D'Aurio, Isaac



ALL OTHER PLANTS

FROHNLEITEN EPIMEDIUM

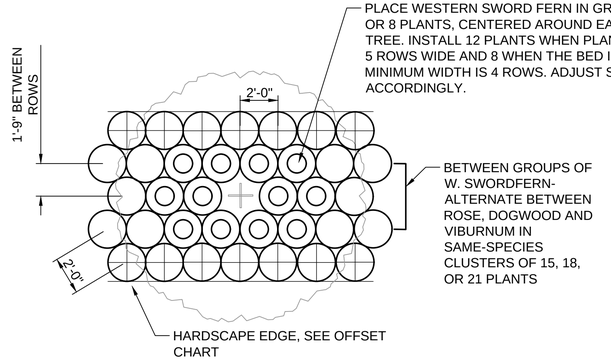


LARGE SHRUBS AT 8-12 FT. O.C.

MEDIUM SHRUBS AT 4FT. O.C.

SMALL SHRUBS OR FERNS AT 2 FT. O.C.

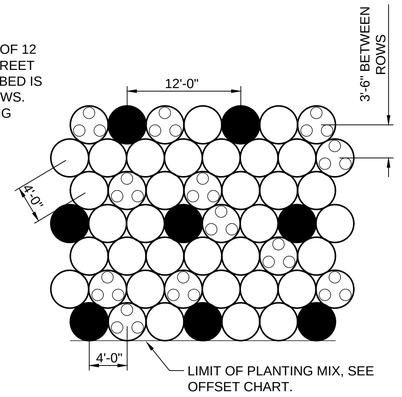
GROUNDCOVERS



WESTERN SWORD FERN

SMALL SHRUBS

MOUNT VERNON LAUREL



TREES

SHRUBS

GROUNDCOVERS - THREE PLANTS PER LOCATION (18" O.C. AROUND STAKED PLANTING LOCATION)

PLANTING MIX A / I-90 TRAIL MIX

COMMON NAME	SPACING	QUANTITY
SMALL SHRUBS / FERNS		
BALDHIP ROSE	2 FT O.C.	1195
GRO-LOW FRAGRANT SUMAC	2 FT O.C.	1275
WESTERN SWORDFERN	2 FT O.C.	1275
GROUNDCOVERS		
CREEPING MAHONIA	2 FT O.C.	1275
FROHNLEITEN EPIMEDIUM	2 FT O.C.	2948

PLANTING MIX B / ROAD BUFFER MIX 1

COMMON NAME	SPACING	QUANTITY
LARGE SHRUBS		
VINE MAPLE	12 FT. O.C.	44
WESTERN SERVICEBERRY	12 FT. O.C.	22
TALL OREGON-GRAPE	8 FT. O.C.	132
MEDIUM SHRUBS		
EVERGREEN HUCKLEBERRY	4 FT. O.C.	265
SNOWBERRY	4 FT O.C.	176
THIMBLEBERRY	4 FT. O.C.	110
SMALL SHRUBS / FERNS		
KELSEY DOGWOOD	2 FT. O.C.	176
SALAL	2 FT. O.C.	220
WESTERN SWORDFERN	2 FT. O.C.	221
GROUNDCOVERS		
CREEPING MAHONIA	2 FT. O.C.	331
LOW OREGON-GRAPE	2. FT. O.C.	331

PLANTING MIX C / ROAD BUFFER MIX 2

COMMON NAME	SPACING	QUANTITY
SMALL SHRUBS / FERNS		
BALDHIP ROSE	2 FT O.C.	148
DAVID VIBURNUM	2 FT O.C.	157
KELSEY DOGWOOD	2 FT O.C.	157
WESTERN SWORDFERN	2 FT O.C.	87
GROUNDCOVERS		
MOUNT VERNON LAUREL	2 FT O.C.	322

PLANTING MIX D / EVERGREEN UNDERSTORY MIX

COMMON NAME	SPACING	QUANTITY
TREES		
INCENSE CEDAR	12 FT. O.C.	52
WESTERN REDCEDAR	12 FT. O.C.	19
LARGE SHRUBS		
VINE MAPLE	4 FT. O.C.	84
PACIFIC WAX MYRTLE	4 FT. O.C.	65
TALL OREGON-GRAPE	4 FT. O.C.	84
MEDIUM SHRUBS		
EVERGREEN HUCKLEBERRY	4 FT. O.C.	84
BALDHIP ROSE	4 FT. O.C.	52
THIMBLEBERRY	4 FT. O.C.	52
SMALL SHRUBS / FERNS		
WESTERN SWORDFERN	3 PLANTS PER LOCATION	253
SALAL	3 PLANTS PER LOCATION.	215

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: L. FRENCH	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

LANDSCAPING RESTORATION DETAILS

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C083
SHT NO / TOTAL: 111 / 438
REV NO:

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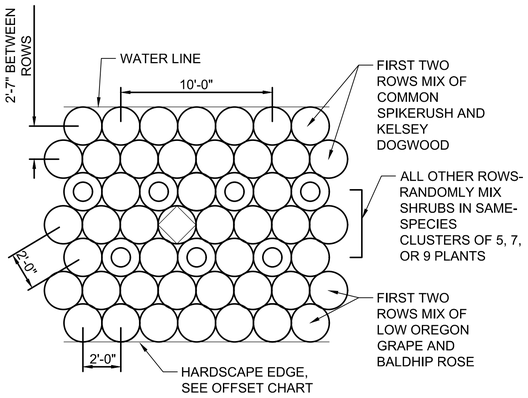
PLOTTED BY: D'Aurio, Isaac



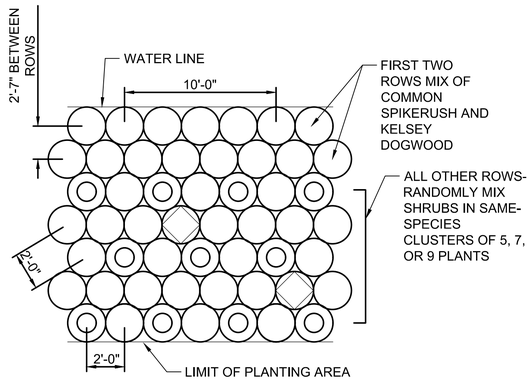
LARGE SHRUBS AT 12 FT. O.C.

MEDIUM SHRUBS AT 6 FT. O.C.

SMALL SHRUBS AND SEDGE AT 2 FT. O.C.

PLANTING MIX E / SHORELINE RESTORATION MIX

COMMON NAME	SPACING
LARGE SHRUBS	
BITTER CHERRY	12 FT O.C.
PACIFIC RHODODENDRON	12 FT O.C.
MEDIUM SHRUBS	
INDIAN PLUM	4 FT O.C.
MOCK ORANGE	4 FT O.C.
BEAKED HAZELNUT	4 FT O.C.
SMALL SHRUBS AND SEDGE	
BALDHIP ROSE	2 FT O.C.
LOW OREGON GRAPE	2 FT O.C.
COMMON SPIKERUSH	2 FT O.C.
KELSEY DOGWOOD	2 FT O.C.



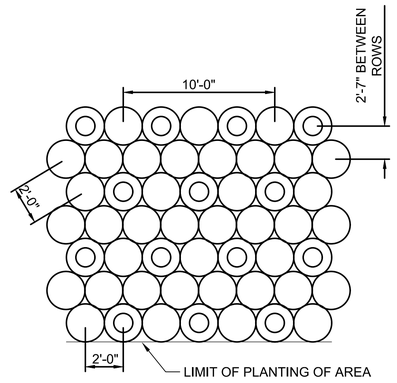
LARGE SHRUBS AT 12 FT. O.C.

MEDIUM SHRUBS AT 6 FT. O.C.

SMALL SHRUBS AND FERNS AT 2 FT. O.C.

PLANTING MIX F / ENATAI BEACH MIX

COMMON NAME	SPACING
LARGE SHRUBS	
PACIFIC RHODODENDRON	12 FT O.C.
MEDIUM SHRUBS	
INDIAN PLUM	4 FT O.C.
SMALL SHRUBS AND FERNS	
BALDHIP ROSE	2 FT O.C.
WOOD SORREL	2 FT O.C.
FALSE SOLOMON'S SEAL	2 FT O.C.
WESTERN SWORD FERN	2 FT O.C.
KELSEY DOGWOOD	2 FT O.C.
COMMON SPIKERUSH	2 FT O.C.

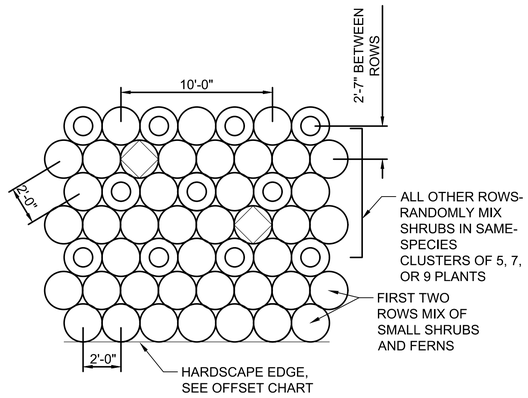


MEDIUM SHRUBS AT 6 FT. O.C.

PERENNIALS AND SEDGES AT 2 FT. O.C.

PLANTING MIX G / WETLAND RESTORATION MIX

COMMON NAME	SPACING
MEDIUM SHRUBS	
RED OSIER DOGWOOD	4 FT O.C.
SALMONBERRY	4 FT O.C.
PERENNIALS AND SEDGES	
SKUNK CABBAGE	2 FT O.C.
SLOUGH SEDGE	2 FT O.C.
SMALL-FRUITED BULRUSH	2 FT O.C.



LARGE SHRUBS AT 12 FT. O.C.

MEDIUM SHRUBS AT 6 FT. O.C.

SMALL SHRUBS AND FERNS AT 2 FT. O.C.

PLANTING MIX H / WETLAND BUFFER MIX

COMMON NAME	SPACING
LARGE SHRUBS	
SERVICEBERRY	12 FT O.C.
MEDIUM SHRUBS	
INDIAN PLUM	4 FT O.C.
OCEANSPRAY	4 FT O.C.
BEAKED HAZELNUT	4 FT O.C.
SNOWBERRY	4 FT O.C.
SMALL SHRUBS AND FERNS	
BALDHIP ROSE	2 FT O.C.
WOOD SORREL	2 FT O.C.
FALSE SOLOMON'S SEAL	3 FT O.C.
WESTERN SWORD FERN	2 FT O.C.

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: ----	SCALE: AS NOTED
PROJECT ENGINEER: ----	0 REFERENCE 1"
DESIGN APPROVAL: ----	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

LANDSCAPING RESTORATION DETAILS SHEET 5 OF 6

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DATE:	
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SHT NO / TOTAL	/
REV NO:	

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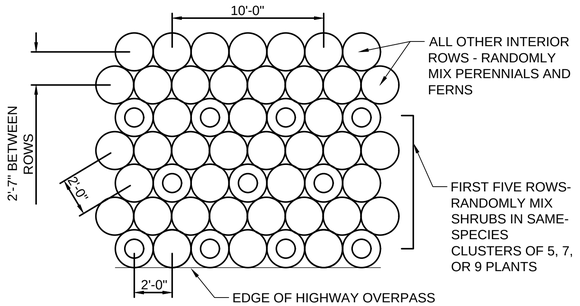
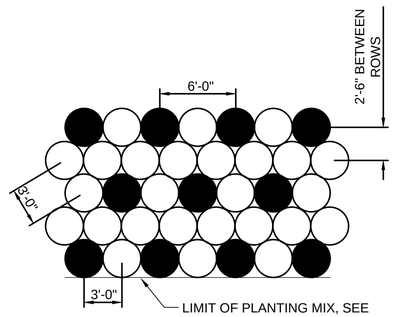


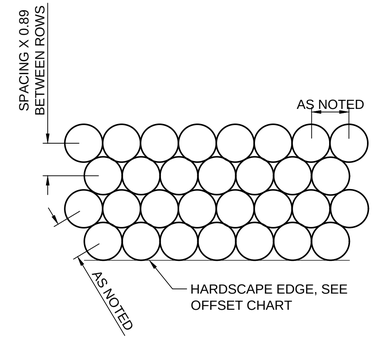
MEDIUM SHRUBS AT 6 FT. O.C.

PERENNIALS AND FERNS AT 2 FT. O.C.



LARGE SHRUBS

FERNS / SMALL SHRUBS OR MEDIUM SHRUBS



GROUNDCOVER

PLANTING MIX I / HIGHWAY OVERPASS MIX

COMMON NAME	SPACING
MEDIUM SHRUBS	
INDIAN PLUM	4 FT O.C.
BEAKED HAZELNUT	4 FT O.C.
SALMONBERRY	4 FT O.C.
PERENNIALS / FERNS	
WILD GINGER	2 FT O.C.
WOOD SORREL	2 FT O.C.
FALSE SOLOMON'S SEAL	3 FT O.C.
WESTERN SWORD FERN	2 FT O.C.

PLANTING MIX J / MEDIUM SHRUB MIX

COMMON NAME	SPACING	QUANTITY
LARGE SHRUBS		
PACIFIC WAX MYRTLE	6 FT O.C.	38
TALL OREGON GRAPE	6 FT O.C.	33
COMPACT STRAWBERRY TREE	6 FT O.C.	33
MEDIUM SHRUBS		
EVERGREEN HUCKLEBERRY	3 FT O.C.	83
SMALL SHRUBS / FERNS		
BALDHIP ROSE	3 FT O.C.	62
WESTERN SWORDFERN	3 FT O.C.	83
GRO-LOW FRAGRANT SUMAC	3 FT O.C.	83

PLANTING MIX K

COMMON NAME	SPACING	QUANTITY
GROUNDCOVER		
BLUE GRAMA GRASS BLONDE AMBITION	1 FT O.C.	1070

PLANTING MIX L

COMMON NAME	SPACING	QUANTITY
GROUNDCOVER		
LILY TURF	1 FT O.C.	2505

PLANTING MIX M

COMMON NAME	SPACING	QUANTITY
GROUNDCOVER		
FROHNLEITEN EPIMEDIUM	1 FT O.C.	1303

PLANTING MIX N

COMMON NAME	SPACING	QUANTITY
GROUNDCOVER		
BLUE OAT GRASS	1.5 FT O.C.	383

PLANTING MIX P

COMMON NAME	SPACING	QUANTITY
GROUNDCOVER		
MAGIC CARPET SPIREA	2 FT O.C.	201

PLANTING MIX Q

COMMON NAME	SPACING	QUANTITY
GROUNDCOVER		
AUTUMN MOOR GRASS	1.5 FT O.C.	326

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: L. FRENCH	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

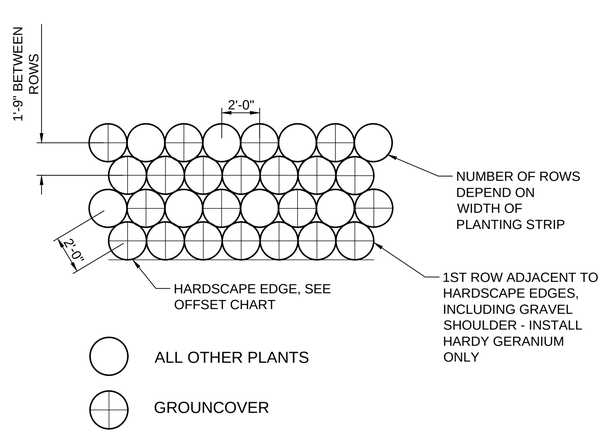
King County

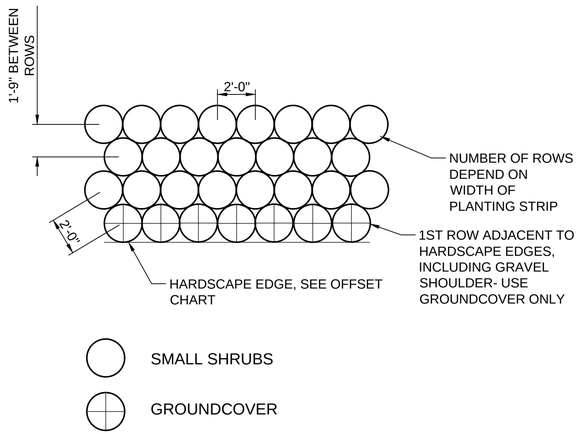
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

LANDSCAPING RESTORATION DETAILS

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C085
SHT NO / TOTAL: 113 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\715LAND\E00306E13-PIPE-C085.dwg
PLOT DATE: 9/9/2019 4:27 PM
PLOTTED BY:D'Aurio, Isaac





PLANTING MIX R		
COMMON NAME	SPACING	QUANTITY
SMALL SHRUBS / FERNS		
WESTERN SWORDFERN	2 FT O.C.	434
GROUNDCOVER		
HARDY GERANIUM	1 FT O.C.	1303

PLANTING MIX S		
COMMON NAME	SPACING	QUANTITY
SMALL SHRUBS / FERNS		
JAPANESE BARBERRY 'ATROPURPUREA NANA'	2 FT O.C.	270
GROUNDCOVER		
MOUNT VERNON LAUREL	2 FT O.C.	159

FOR REFERENCE ONLY

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION:P:\W3X67200\700CADD\715LAND\E00306E13_PIPE_C086.dwg
PLOT DATE: 9/9/2019 4:27 PM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

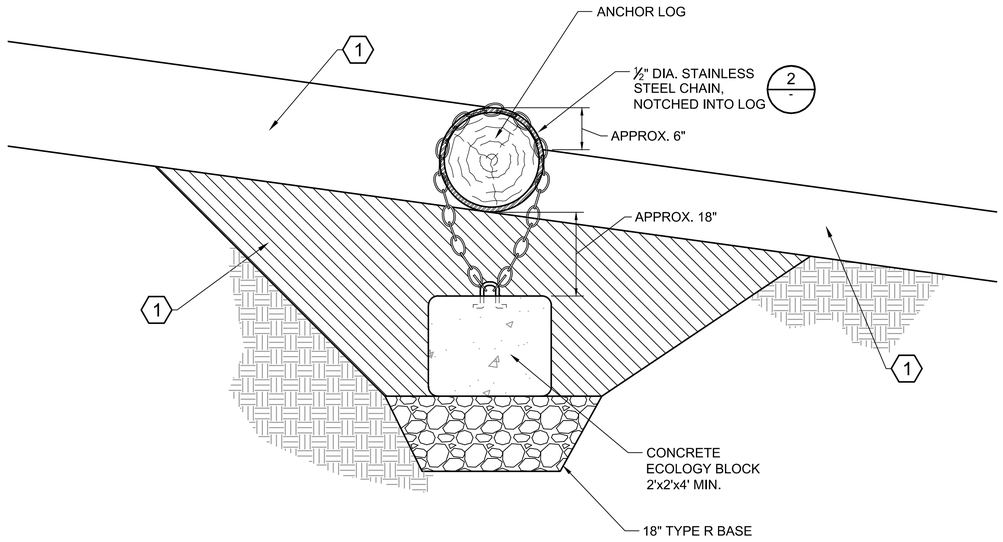
DESIGNED/DRAWN: L. FRENCH	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

LANDSCAPING RESTORATION DETAILS

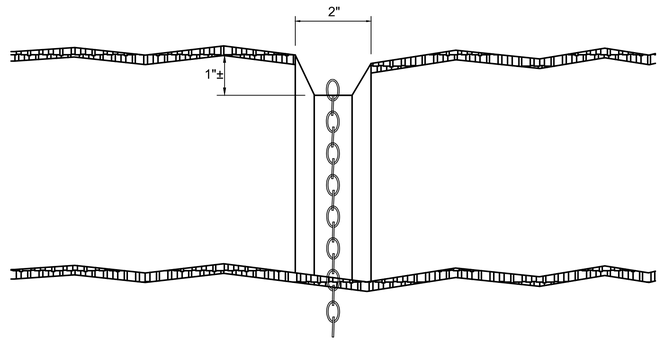
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C086
SHT NO / TOTAL	114 / 438
REV NO:	



BURIED ECOLOGY BLOCK ANCHOR

SECTION 1 / C134, C144

SCALE: NTS



LOG NOTCH

DETAIL 2 / -

SCALE: NTS

NOTES:

1.

KEY NOTES:

1. MATERIAL TYPES AND DEPTHS PER DRAWINGS C133, C134, C143, AND C144.

FOR REFERENCE ONLY

0 20 40 60

SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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PLOT DATE: 9/26/2019 9:19 AM
PLOTTED BY: Morris, Richard

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: D. SCOTT	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

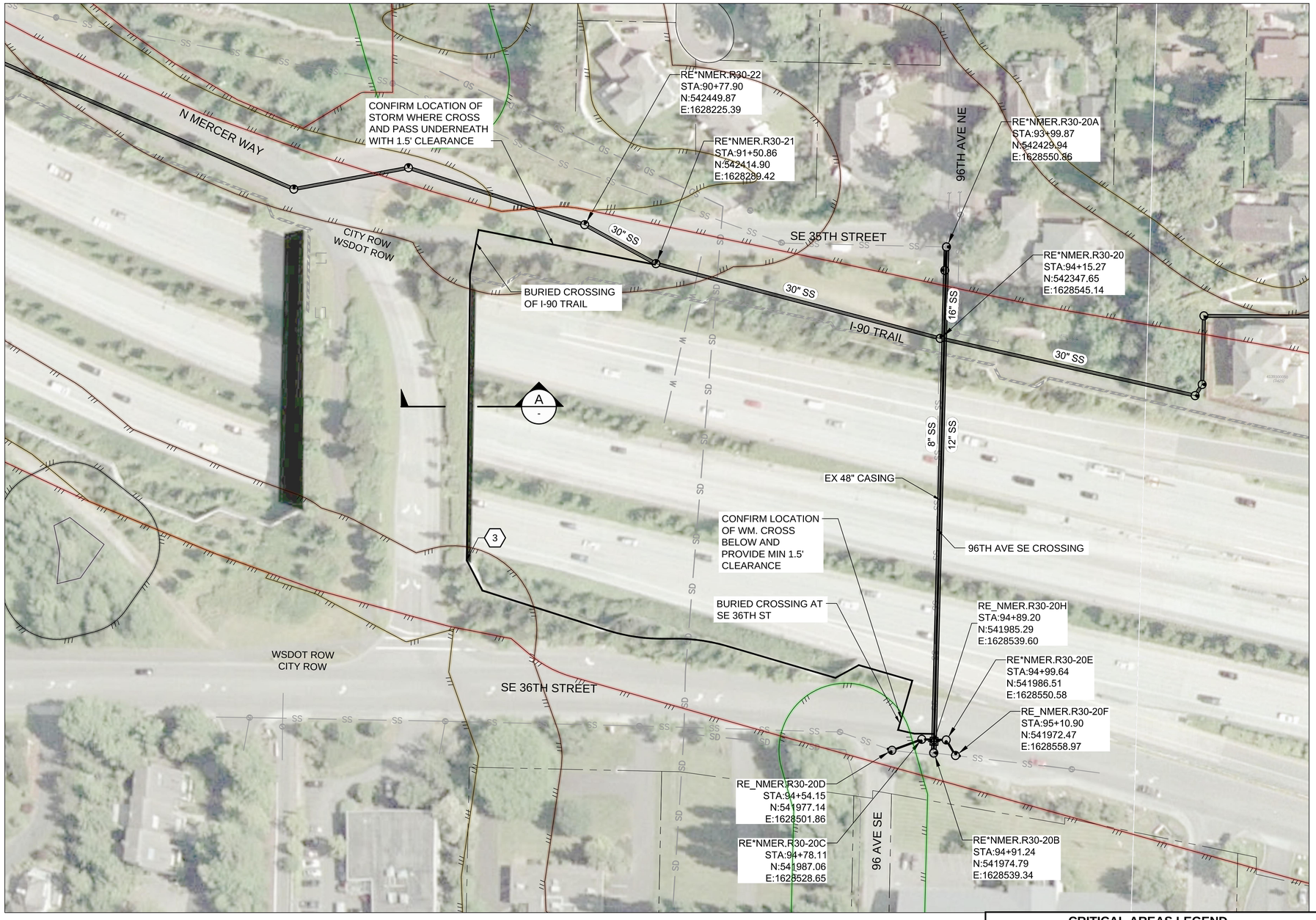
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

SHORELINE RESTORATION DETAILS

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C087
SHT NO / TOTAL	/
REV NO:	



NOTES:

1. CONTRACTOR SHALL DESIGN AND PROVIDE BLOCKING TO RESTRAIN THE BYPASS PIPE TO RESIST THRUST FORCES. FOR ABOVE GRADE PIPING STRAPPING TO ECOLOGY BLOCK OR SIMILAR ITEM WOULD BE PERMITTED UPON REVIEW OF CONTRACTORS DESIGN. WEIGHT BLOCKS MAY NOT BE PLACED ON THE BRIDGE.

2. BYPASS PLAN AND SEQUENCE BELOW IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE BYPASS PLAN PER SPECIFICATIONS.

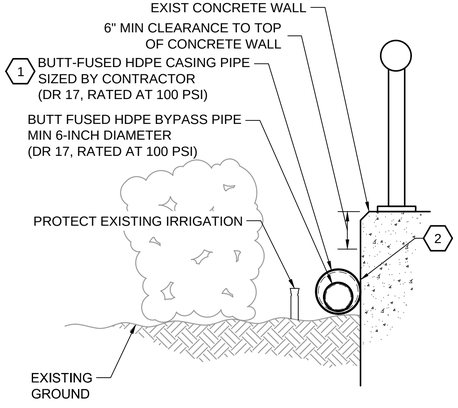
3. PROPOSED SEQUENCE:
   - 3.1. CONSTRUCT SSMH'S R30-20C, R30-20D, R30-20E ,R30-20F, SIPHON INLET STRUCTURE R30-20H, AND ASSOCIATED LOCAL SEWER PIPING SOUTH OF I-90. CONTRACTOR TO PLAN LOCAL SEWER BYPASS AS NEEDED.
   - 3.2. CONSTRUCT BURIED CROSSING OF SE 36TH ST.
   - 3.3. LAY SEWER BYPASS PIPING IN THE LANDSCAPED AREA BETWEEN WSDOT RETAINING WALL AND SE 36TH ST SE.
   - 3.4. USE THE INSTALLED SEWER BYPASS PIPING TO BYPASS FLOWS FROM R30-20H TO R30-21 DURING THE CONSTRUCTION OF THE 96TH AVE SE SIPHON.
   - 3.5. REMOVE FACILITIES NOT ASSOCIATED WITH THE PERMANENT SEWER AFTER SIPHON IS OPERATIONAL AND RESTORE LANDSCAPING, PAVEMENT AND OTHER FEATURE TO PRE-CONSTRUCTION CONDITIONS.

KEY NOTES:

(#) 1. ANY EMBEDDED ANCHORS ATTACHING CASING RESTRAINTS TO CONCRETE STRUCTURES SHALL BE REMOVED TO A MINIMUM OF 1" BENEATH THE EXISTING CONCRETE SURFACE. THE VOID LEFT BY REMOVAL OF THE EMBEDDED ANCHORS SHALL BE COATED WITH EPOXY BONDING AGENT AND FILLED WITH MORTAR CONFORMING TO THE STANDARD SPECIFICATIONS. THE EPOXY BONDING AGENT SHALL BE TYPE II, CONFORMING TO THE STANDARD SPECIFICATIONS, WITH GRADE AND CLASS RECOMMENDED BY THE EPOXY BONDING AGENT MANUFACTURER AND AS APPROVED BY THE PROJECT REPRESENTATIVE.

2. HDPE CASING TO BE RESTRAINED AGAINST CONCRETE WALL.

3. NONSTANDARD ANGLE 28.5°



SEWER BYPASS PIPE (BRIDGE CROSSING)

SECTION A - SCALE: NTS

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 50 100 150 SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: 1" = 50'
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

96TH AVE SIPHON TEMPORARY BYPASS AND SEQUENCING PLAN

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C111
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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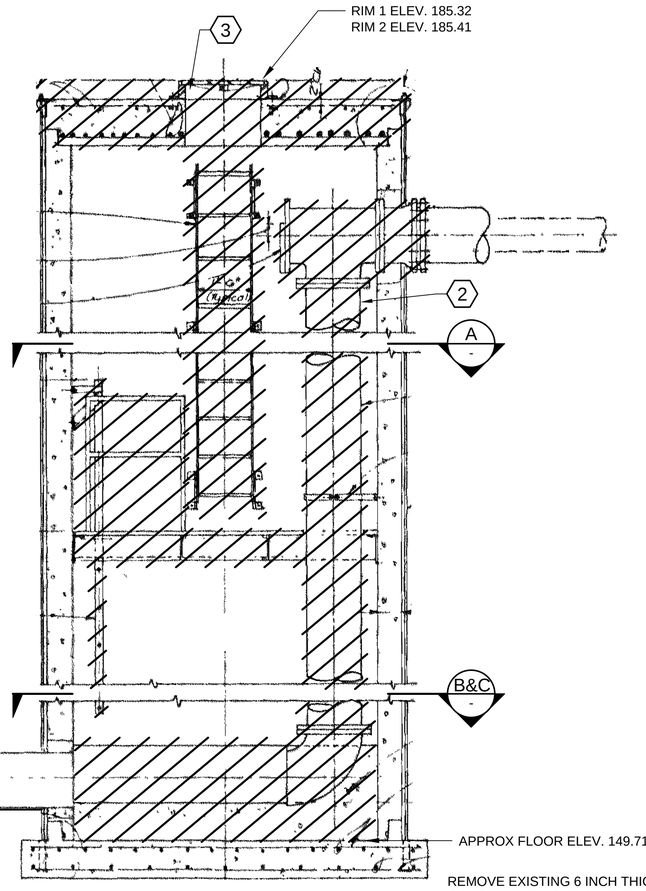
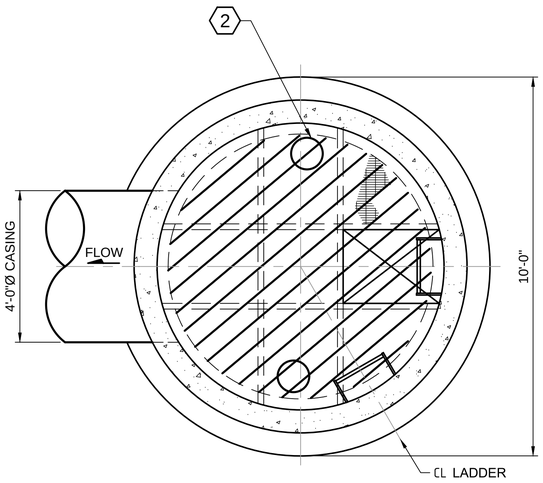
PLOT DATE: 9/25/2019 4:51 PM
PLOTTED BY: D'Auria, Isaac



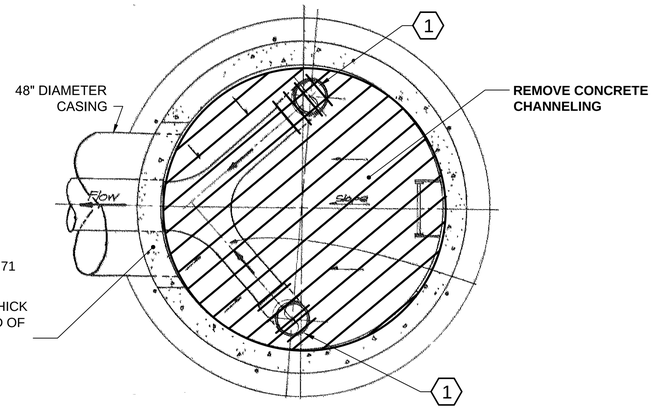
EXISTING MH COMPOSITE SECTION
(APPLIES TO EXIST RE_NMER.R30-20A AND RE_NMER.R30-20B)

DETAIL 1 - SCALE: NOT TO SCALE



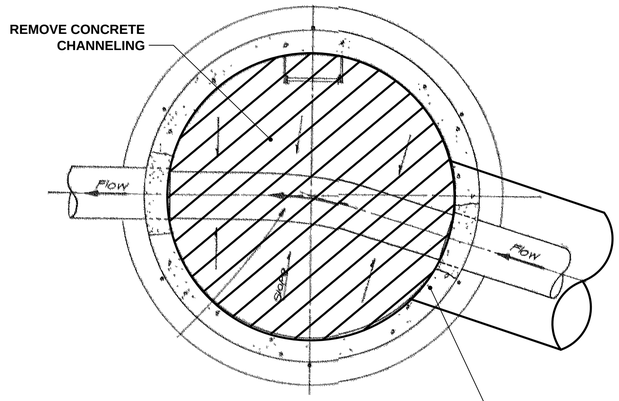
RE_NMER.R30-20A AND RE_NMER.R30-20B
EXISTING GRATING, TYP

SECTION A - SCALE: NOT TO SCALE



RE_NMER.R30-20B
MH CHANNELING

SECTION B - SCALE: NOT TO SCALE



RE_NMER.R30-20A
MH CHANNELING

SECTION C - SCALE: NOT TO SCALE

X KEY NOTES:

1. RE_NMER.R30-20B CONTAINS 2 - 10" DUCTILE IRON DROP ASSEMBLIES.
   RE_NMER.R30-20A CONTAINS NO DROP ASSEMBLIES.
2. REMOVE EXISTING DROPS/VERTICAL PIPING (WHERE PRESENT), GRATING, LADDERS, AND CONCRETE CHANNELING.

FOR REFERENCE ONLY

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WSX67200\700CADD\702CIVIL\E00306E13-PIPE-C112.dwg
PLOT DATE: 9/9/2019 4:29 PM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

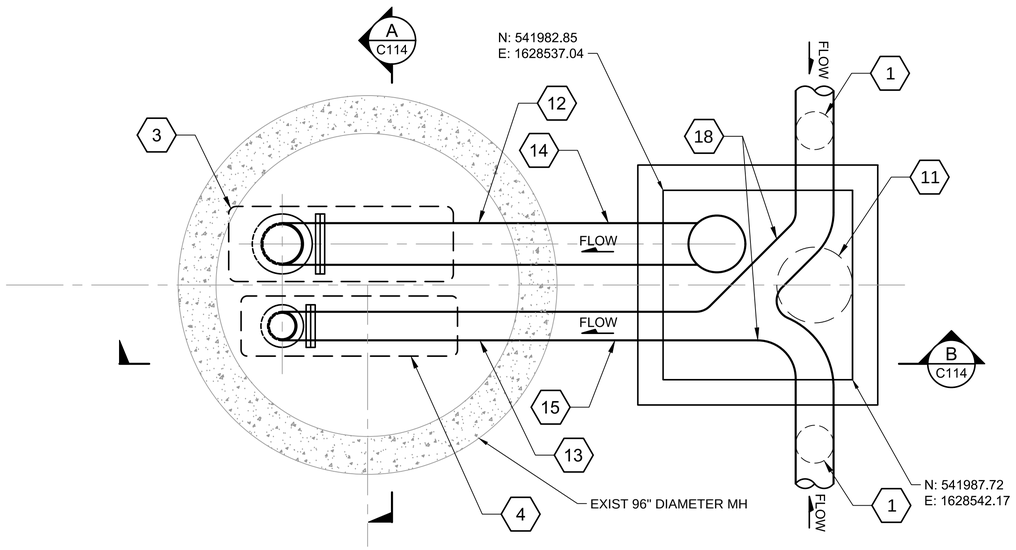
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI
INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

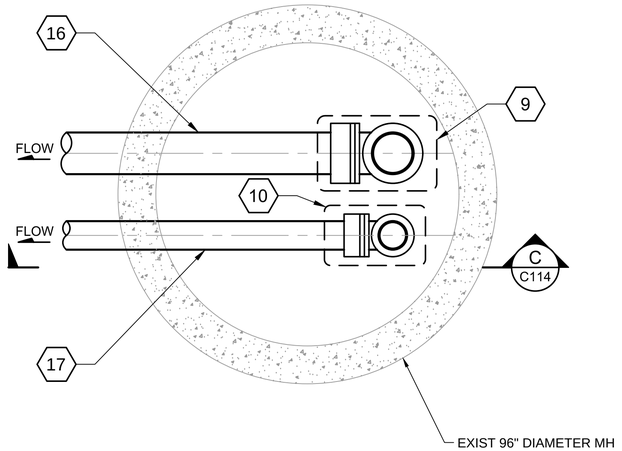
96TH AVE SIPHON DEMOLITION SHEET 1 OF 1

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C112
SHT NO / TOTAL	123 / 438
REV NO:	



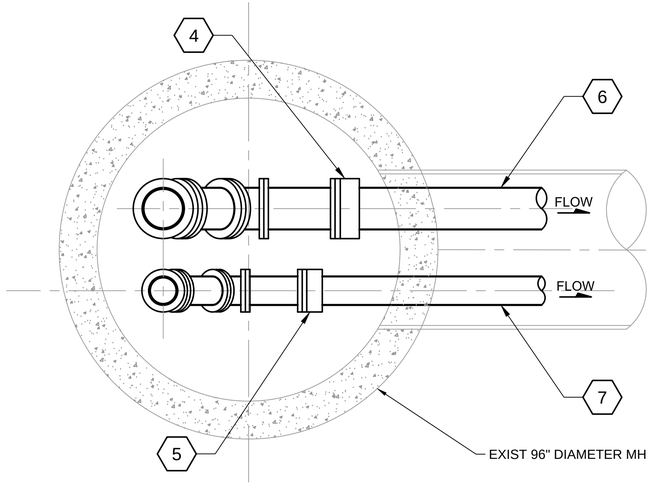
RE*NMER.R30-20B
SIPHON INLET AND DROP PIPING
UPPER SECTION OF MAINTENANCE HOLE

SECTION A C117
SCALE: 1/2"=1'



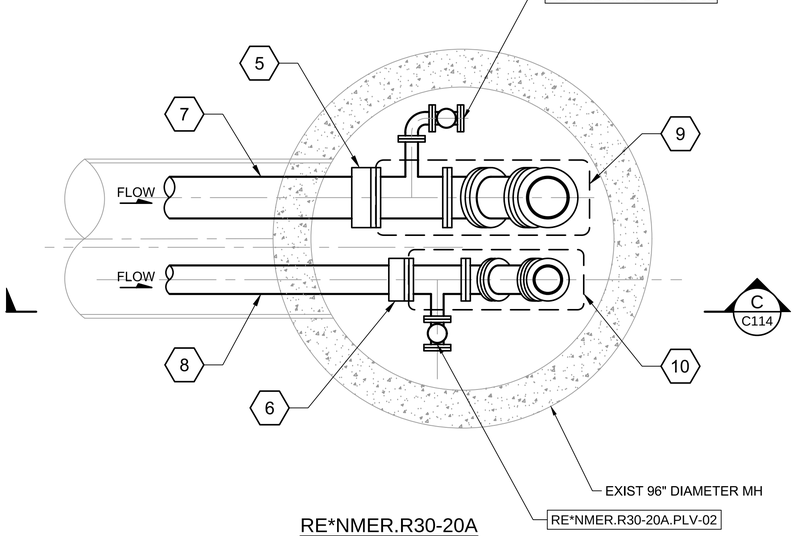
RE*NMER.R30-20A
SIPHON RISER PIPING
UPPER SECTION OF MAINTENANCE HOLE

SECTION C C117
SCALE: 1/2"=1'



RE*NMER.R30-20B
SIPHON INLET AND DROP PIPING
LOWER SECTION OF MAINTENANCE HOLE

SECTION B C117
SCALE: 1/2"=1'



RE*NMER.R30-20A
SIPHON RISER PIPING
LOWER SECTION OF MAINTENANCE HOLE

SECTION D C117
SCALE: 1/2"=1'

NOTES:

1. DI PIPE AND FITTINGS SHALL BE A CERAMIC EPOXY LINED.
2. FOR ACCESS LID/HATCH INFORMATION FOR RE*NMER.R30-20A AND RE*NMER.R30-20B, SEE SHEET C115 DETAIL 2

(#) KEY NOTES:

1. 12-INCH DI EXTERNAL DROP STRUCTURE.
2. 12-INCH DI INTERNAL DROP ASSEMBLY, SEE SHEET C114 FOR DETAILS
3. 8-INCH DI INTERNAL DROP ASSEMBLY, SEE SHEET C114 FOR DETAILS
4. 12-INCH MECHANICAL RJ PVC TO DI PIPE ADAPTER
5. 8-INCH MECHANICAL RJ PVC TO DI PIPE ADAPTER
6. 12-INCH C900 PVC PIPE WITH CERTA-LOK JOINTS
7. 8-INCH C900 PVC PIPE WITH CERTA-LOK JOINTS
8. 12-INCH DI INTERNAL RISER ASSEMBLY, SEE SHEET C114 FOR DETAILS
9. 8-INCH DI INTERNAL RISER ASSEMBLY, SEE SHEET C114 FOR DETAILS
10. 24-INCH MANHOLE ACCESS COVER, SEE SHEET C022 FOR DETAILS
11. SIPHON INLET DROP PIPING BOX, 5'x5' CONCRETE VAULT
12. 12-INCH DI SIPHON INLET CONNECTION PIPE, SEE SHEET C114 FOR DETAILS
13. 8-INCH DI SIPHON INLET CONNECTION PIPE, SEE SHEET C114 FOR DETAILS
14. 12-INCH DI AIR VENT PIPE, SEE SHEET C114 FOR DETAILS
15. 8-INCH DI AIR VENT PIPE, SEE SHEET C114 FOR DETAILS
16. 12-INCH DI SIPHON OUTLET CONNECTION PIPE, SEE SHEET C114 FOR DETAILS
17. 8-INCH DI SIPHON OUTLET CONNECTION PIPE, SEE SHEET C114 FOR DETAILS
18. PROVIDE CONCRETE CHANNELING AND SHELF

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
96TH AVE SIPHON INSTALLATION SHEET 1 OF 3

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C113
SHT NO / TOTAL	124 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C113.dwg
PLOT DATE: 9/9/2019 4:29 PM
PLOTTED BY: D'Auria, Isaac

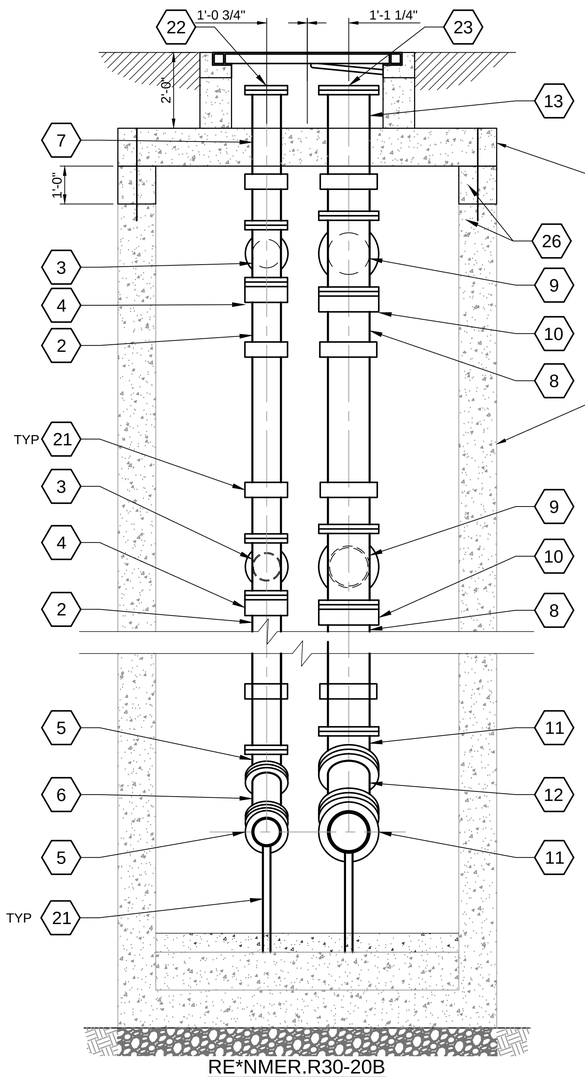
KEY NOTES:

1. 12-INCH DI 90 DEGREE BEND (FLxFL)
2. 8-INCH DI SPOOL (FLxPE), LENGTH AS NEEDED
3. 8-INCH DI TEE (FLxFL)
4. 8-INCH RESTRAINED FLANGE COUPLING ADAPTER
5. 8-INCH DI 45° BEND (FLxFL)
6. 8-INCH DI SPOOL (FLxFL)
7. 8-INCH DI SPOOL (FLxFL), LENGTH AS NEEDED
8. 12-INCH DI SPOOL (FLxPE), LENGTH AS NEEDED
9. 12-INCH DI TEE (FLxFL)
10. 12-INCH RESTRAINED FLANGE COUPLING ADAPTER
11. 12-INCH DI 45° BEND (FLxFL)
12. 12-INCH DI SPOOL (FLxFL)
13. 12-INCH DI SPOOL (FLxFL), LENGTH AS NEEDED
14. NOT USED
15. 12-INCH DI PIPE, PROVIDE TWO JOINTS AT 2 FEET AND 7 FEET FROM CONCRETE WALL
16. 8-INCH DI PIPE, PROVIDE TWO JOINTS AT 2 FEET AND 7 FEET FROM CONCRETE WALL
17. - NOT USED -
18. 8-INCH x 4-INCH DI TEE WITH 4-INCH BALL VALVE AND BLIND FLANGE
19. CORE HOLE THROUGH EXISTING CONCRETE AND PROVIDE MODULAR MECHANICAL EXPANDING RUBBER SEAL
20. 12"x4" DI TEE WITH 4-INCH 90 DEGREE BEND (FLxFL), 4" BALL VALVE AND BLIND FLANGE
21. PIPE CLAMPS / SUPPORTS AS NECESSARY.
22. 8-INCH BLIND FLANGE
23. 12-INCH BLIND FLANGE
24. EXIST 48-INCH DIAMETER CASING
25. EXIST 48-INCH DIAMETER CASING REDUCED TO 42-INCH DIAMETER CASING JUST OUTSIDE OF MH WALL
26. CAST LEVELING RING ON TOP OF EXISTING MH. INSTALL PRECAST MH LID AND CONNECT TO EXISTING STRUCTURE WITH POST- INSTALL CONCRETE ANCHOR RODS

NOTES:

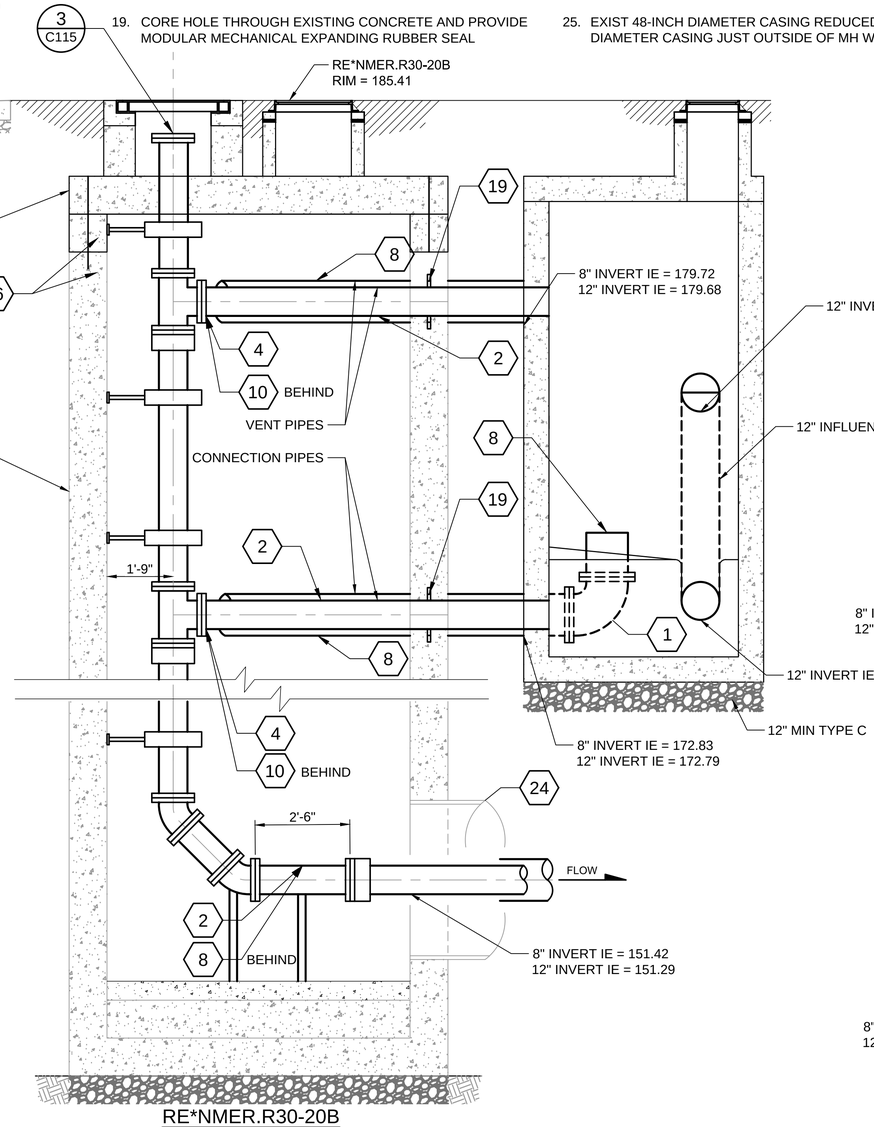
1. DI PIPE AND FITTINGS SHALL BE EPOXY LINING UNLESS A HIGHER SPECIAL THICKNESS CLASS IS REQUIRED FOR FITTINGS OR FLANGED SPOOLS.

FOR REFERENCE ONLY



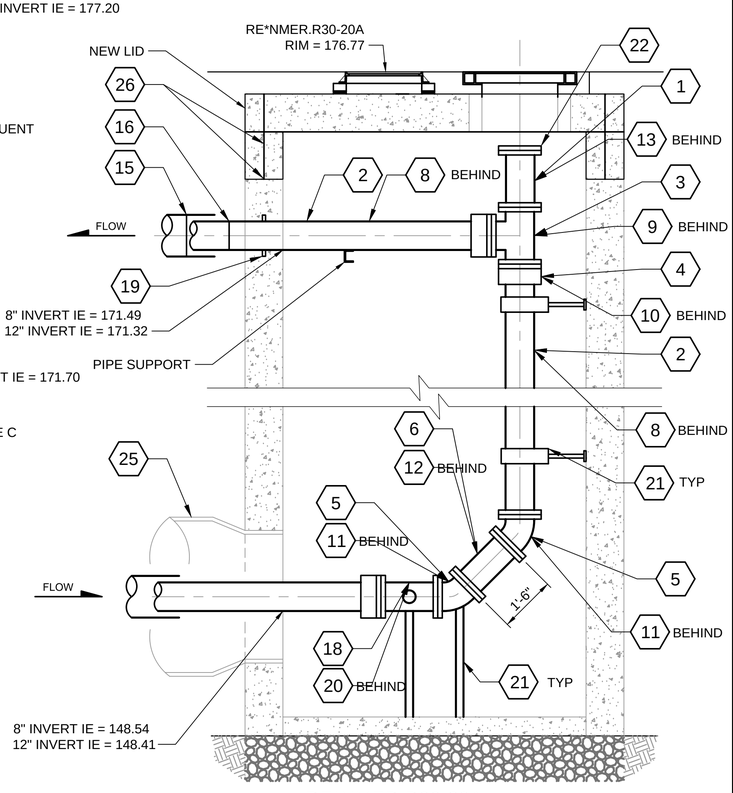
RE*NMER.R30-20B
SIPHON INLET DROP PIPING
96"Ø EXISTING MAINTENANCE HOLE

SECTION A C113
SCALE: 1/2" = 1'-0"



RE*NMER.R30-20B
SIPHON INLET DROP PIPING
96"Ø EXISTING MAINTENANCE HOLE

SECTION B C113
SCALE: 1/2" = 1'-0"



RE*NMER.R30-20A
SIPHON OUTLET RISER PIPING
96"Ø EXISTING MAINTENANCE HOLE

SECTION C C113
SCALE: 1/2" = 1'-0"

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

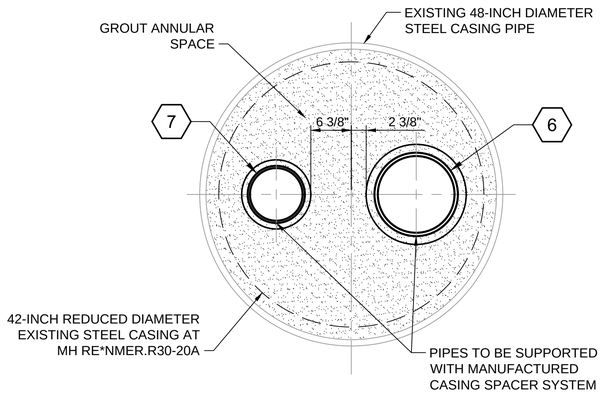
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

96TH AVE SIPHON INSTALLATION SHEET 2 OF 3

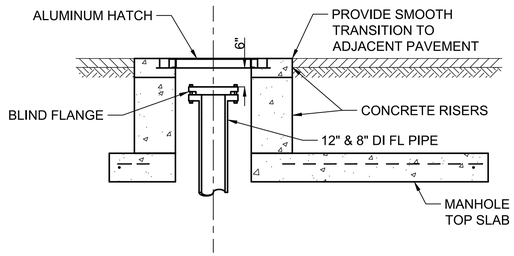
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C114
SHT NO / TOTAL	125 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E003006E13-PIPE-C114.dwg
PLOT DATE: 9/16/2019 1:44 PM
PLOTTED BY: Nelson, Ben



CARRIER PIPE IN EXISTING 48-INCH CASING

DETAIL 5 / - — SCALE: 1"=1'



96TH SIPHON CAPS MANHOLE RE*NMER.R30-20A AND RE*NMER.R30-20B

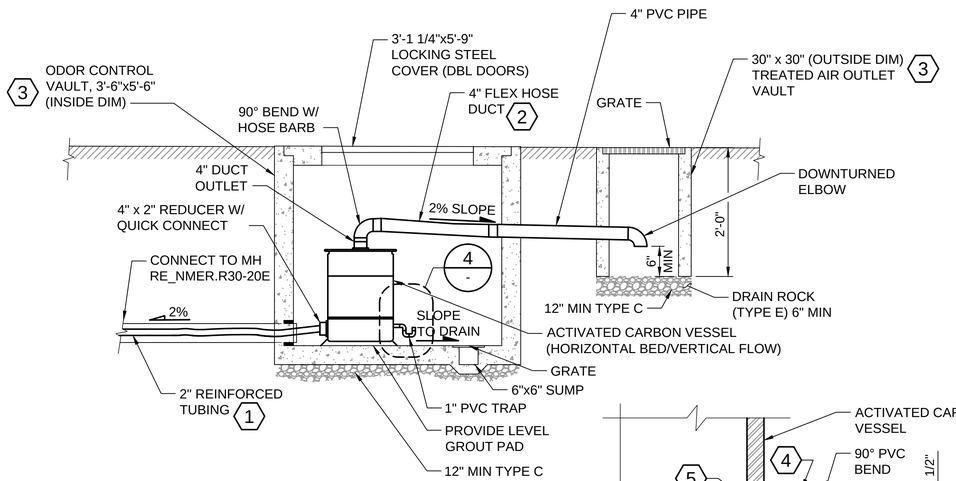
DETAIL 3 / C114 — SCALE: 1"=1'

NOTES:

1. DI PIPE AND FITTINGS SHALL BE A MINIMUM OF CL 52 WITH CERAMIC EPOXY LINING (PROTECTO 401) UNLESS A HIGHER SPECIAL THICKNESS CLASS IS REQUIRED FOR FITTINGS OR FLANGED SPOOLS.

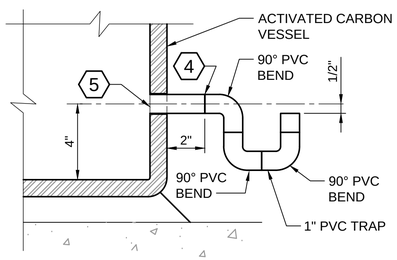
(#) KEY NOTES:

1. PIPE AND DUCT MATERIALS TO BE COMPATIBLE WITH STEAM CLEANING.
2. CONNECT FLEX DUCT TO OUTLET PIPE WITH 4" STAINLESS STEEL HOSE CLAMP, TWO AT EACH END.
3. DESIGN FOR EQUIVALENT FLUID PRESSURE OF 95 PCF.
4. 1" DIAMETER SCHEDULE 40 PVC TO BE GLUED AT ALL SLIP JOINTS.
5. THREADED CONNECTION TO BE WATER TIGHT.
6. 12-INCH C900 PVC PIPE WITH CERTA-LOK JOINTS
7. 8-INCH C900 PVC PIPE WITH CERTA-LOK JOINTS
8. 24-INCH LOCKING LID MANHOLE, SEE SHEET C022 FOR DETAILS
9. 24-INCH BY 48-INCH ALUMINUM HATCH, TRAFFIC RATED H-20 LOADING

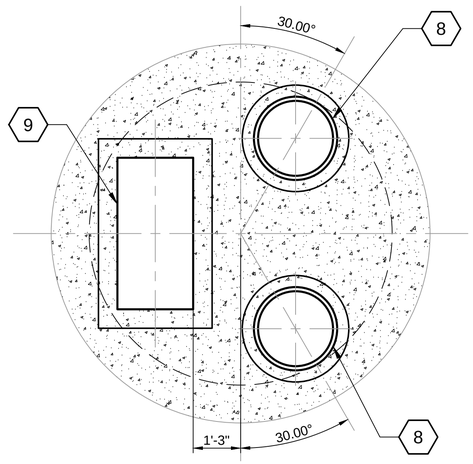


96TH AVE SIPHON PASSIVE ODOR CONTROL

DETAIL 1 / C117 — SCALE: 1/2"=1'-0"



DETAIL 4 / - — SCALE: 3"=1'-0"



LID AND HATCH OVERVIEW MANHOLE RE*NMER.R30-20A AND RE*NMER.R30-20B

DETAIL 2 / C114 — SCALE: 1/2"=1'-0"

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

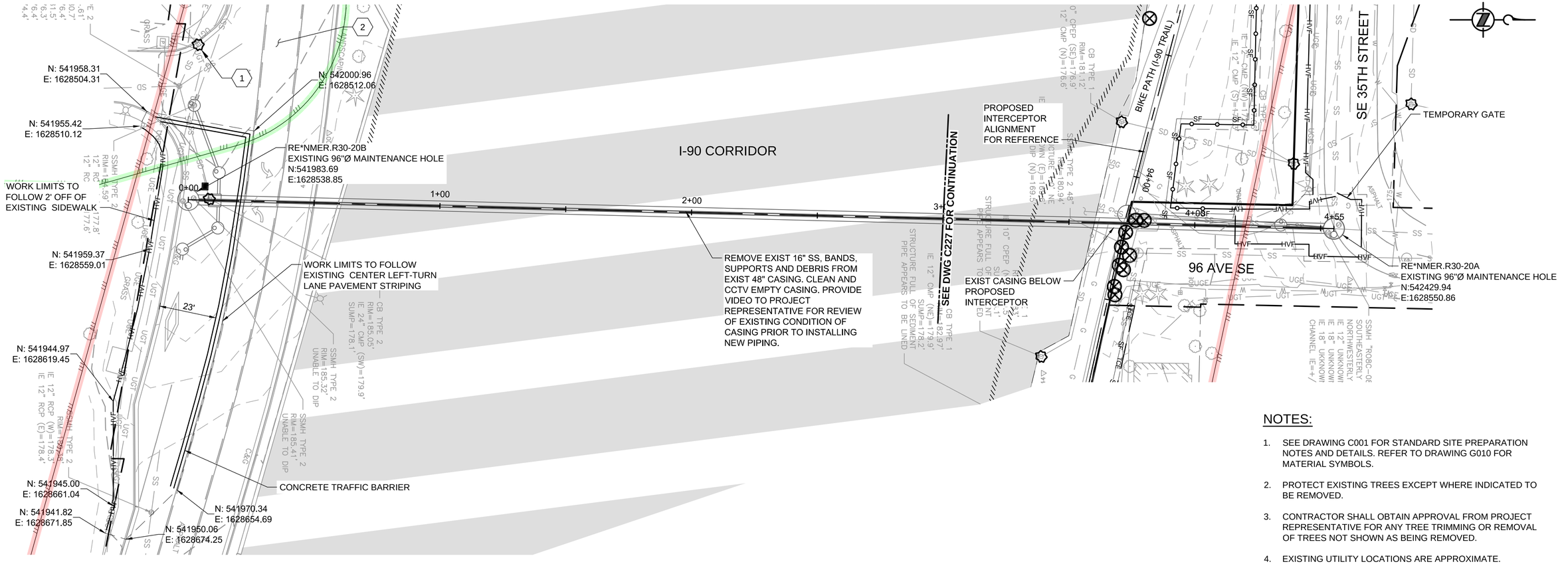
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

96TH AVE SIPHON INSTALLATION SHEET 3 OF 3

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C115
SHT NO / TOTAL	126 / 438
REV NO:	

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13_PIPE_C115.dwg
PLOT DATE: 9/9/2019 4:29 PM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. UNLESS OTHERWISE SHOWN, CONSTRUCTION LIMITED TO BE WITHIN ROW.
6. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
7. SEE SHEET C112 FOR DEMOLITION OF INTERIOR FEATURES OF EXISTING MH'S RE*NMER.R30-20A AND RE*NMER.R30-20B.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE AND SIDEWALK CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T117.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

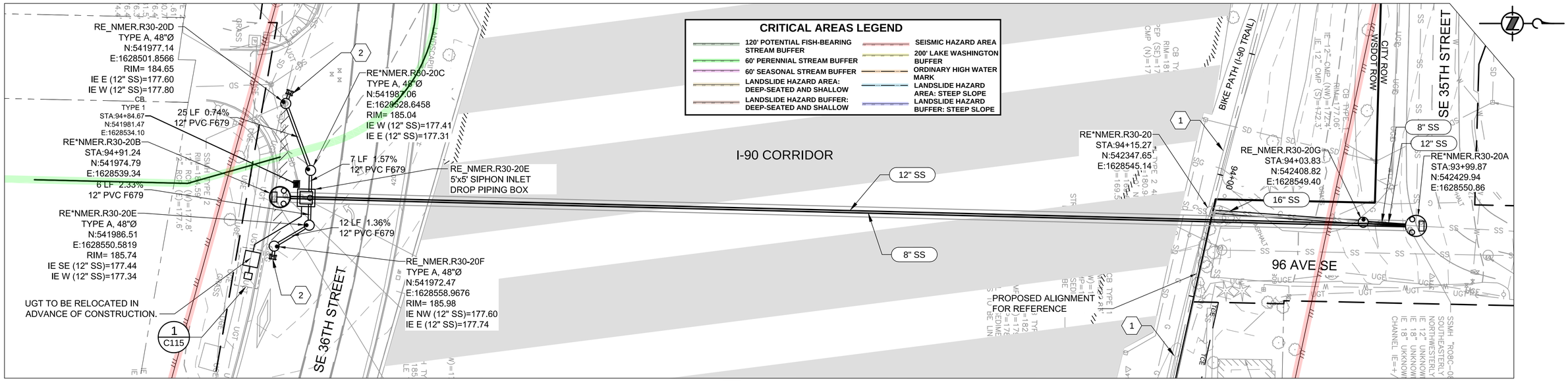
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

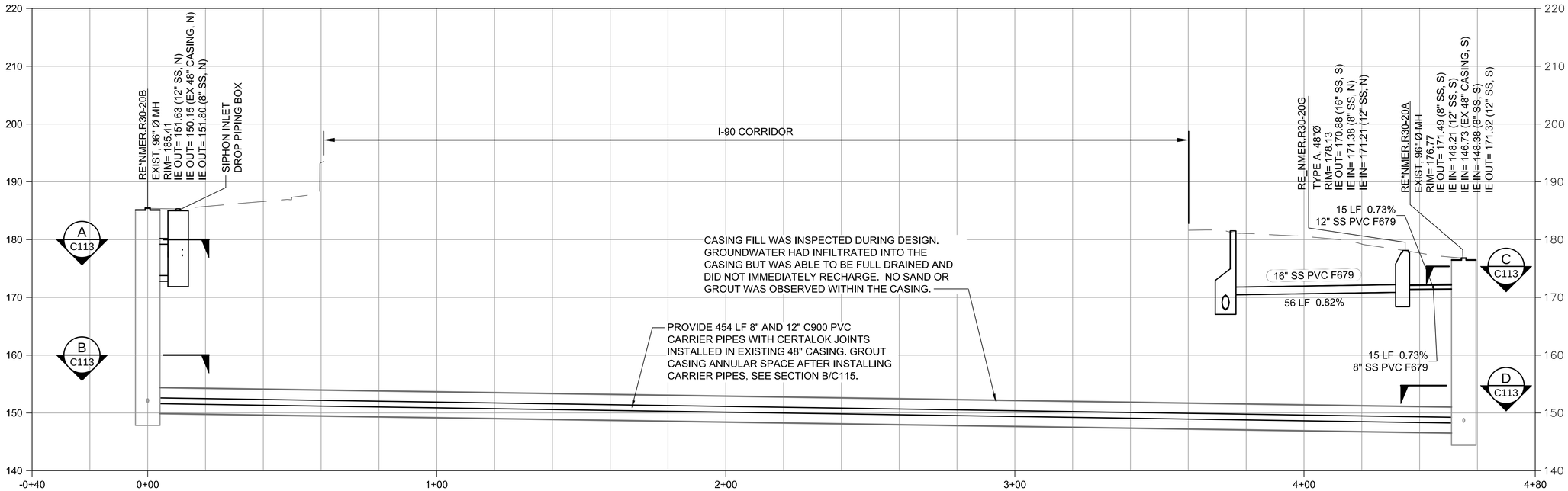
96TH AVE SE SIPHON SITE PREPARATION

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C116
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3K67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C116.dwg
PLOT DATE: 9/25/2019 5:01 PM
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. SEE NORTH MERCER INTERCEPTOR PLAN AND PROFILE ON DRAWING C327.
2. CUT AND REMOVE EXISTING 12" RCP SEWER MAIN AS NEEDED. CONNECT TO EXISTING SEWER MAIN WITH COUPLER. FIELD VERIFY EXISTING PIPE MATERIAL AND ELEVATION IN ADVANCE OF CONSTRUCTION.
3. CONNECT CB TO EXISTING PIPE. REGRADE FLOW LINE TO DIRECT RUNOFF TO NEW CB LOCATION.

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

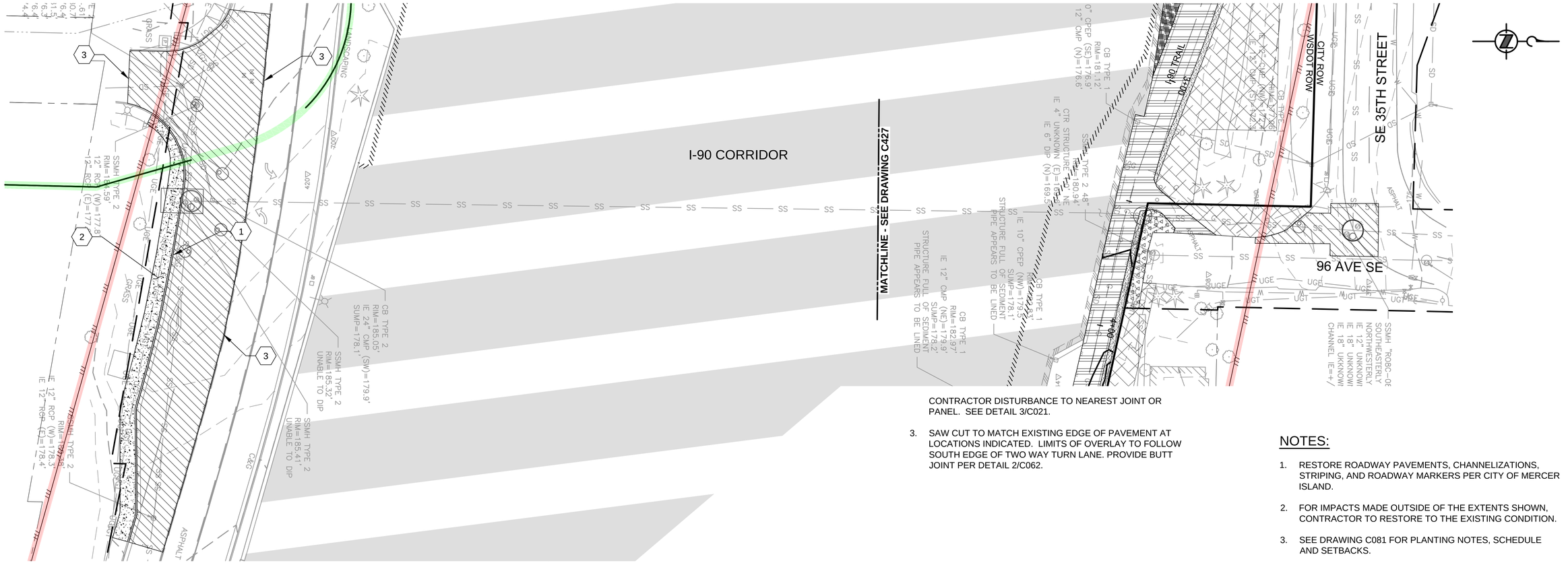
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

96TH AVE SE SIPHON PLAN AND PROFILE

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C117
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C117.dwg
PLOT DATE: 9/25/2019 5:25 PM
PLOTTED BY: D'Aurio, Isaac



CONTRACTOR DISTURBANCE TO NEAREST JOINT OR PANEL. SEE DETAIL 3/C021.

3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. LIMITS OF OVERLAY TO FOLLOW SOUTH EDGE OF TWO WAY TURN LANE. PROVIDE BUTT JOINT PER DETAIL 2/C062.

NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
7. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.

LEGEND:

- HMA PLANING AND OVERLAY
- NEW CEMENT CONCRETE SIDEWALK
- LAWN SEED

(#) KEY NOTES:

1. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
2. REPLACE EXISTING CONCRETE SIDEWALK AT LIMIT OF

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

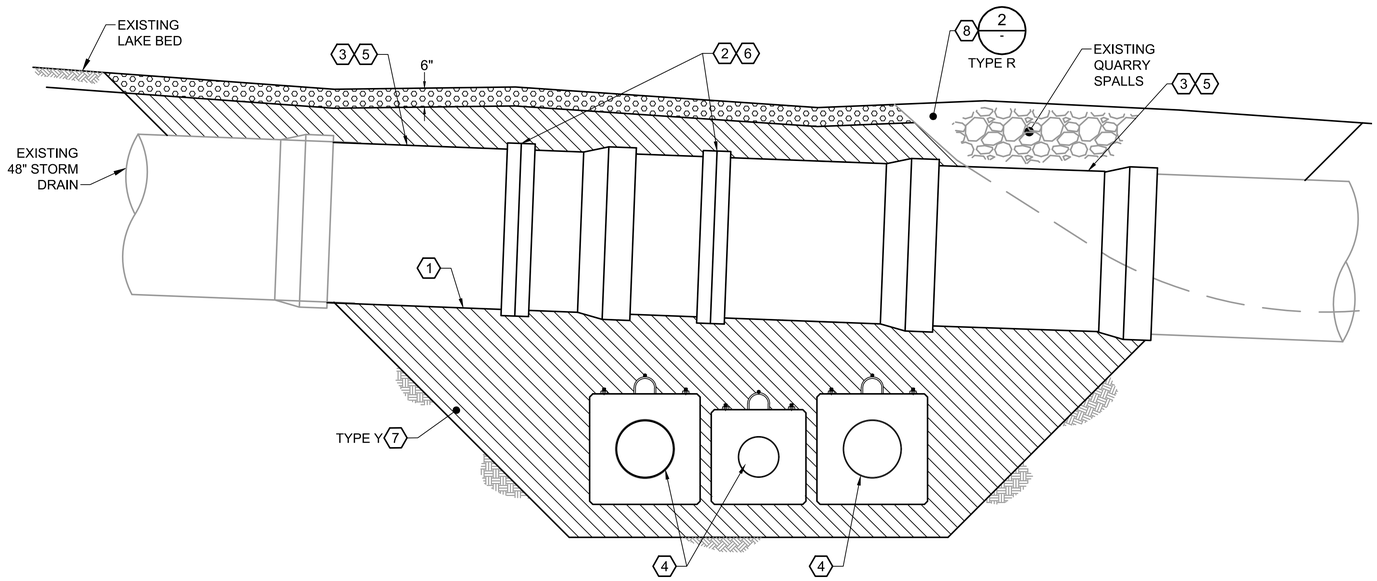
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

96TH AVE SE SIPHON SITE RESTORATION

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C118
SHT NO / TOTAL	/
REV NO:	

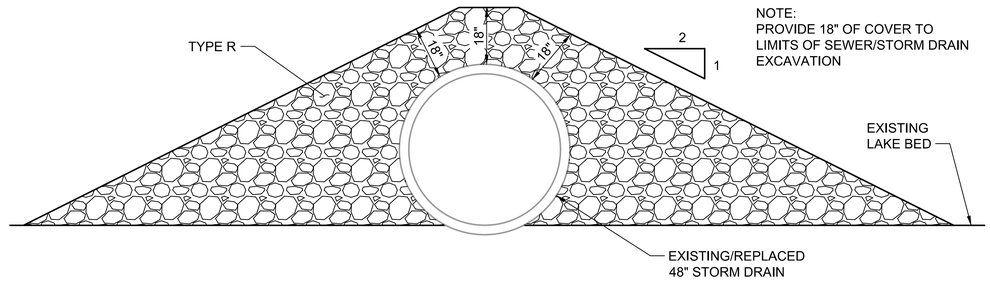
BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C118.dwg
PLOT DATE: 9/25/2019 5:37 PM
PLOTTED BY:D'Auria, Isaac



TEMPORARY REMOVAL OF EXISTING STORMWATER OUTFALL

DETAIL 1 / C232

SCALE: 1"= 2'-0"

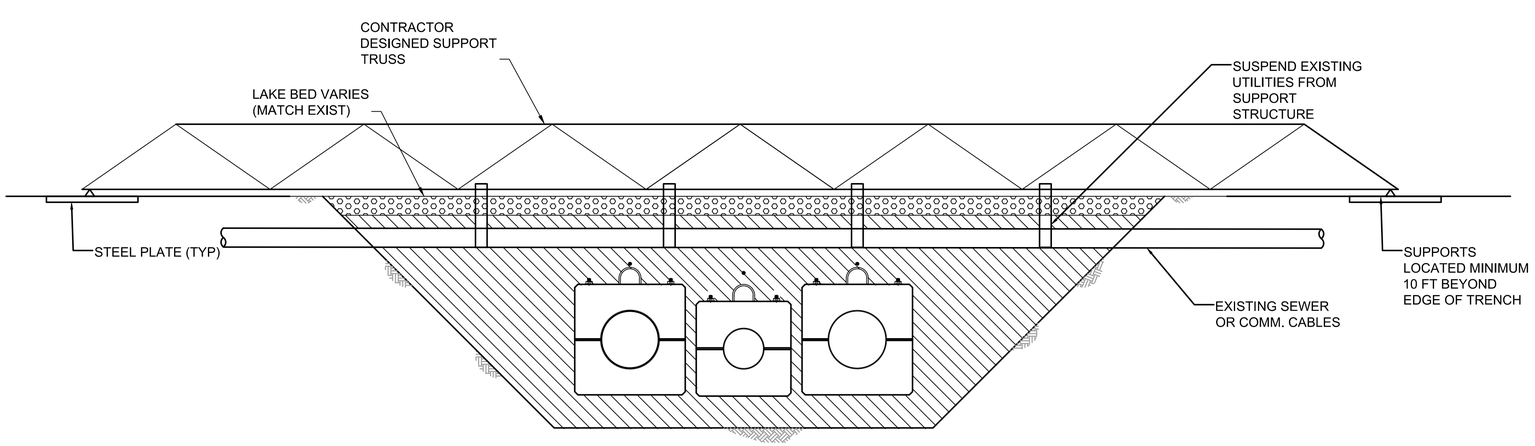


STORM DRAIN OUTFALL COVER

SECTION 2 / -

SCALE: 1" = 2'-0"

FOR REFERENCE ONLY



SUPPORT TRUSS

SECTION 3 / C232, C233 C235

SCALE: 1" = 2'-0"

NOTES:

1. COORDINATE STORM DRAIN CROSSING DETAIL WITH SECTION 1/C028.
2. CONTRACTOR TO DESIGN UTILITY SUPPORT SYSTEM TO MEET DEFLECTION CRITERIA IN SPECIFICATIONS.

(#) KEY NOTES:

1. EXCAVATE AND EXPOSE 48-INCH STORM DRAIN.
2. CUT AND REMOVE ONE BARREL SECTION OF SUFFICIENT LENGTH TO ALLOW REMOVAL OF ADJACENT FULL PIPE SEGMENTS.
3. REMOVE PIPE SEGMENTS TO LIMIT OF SEWER TRENCH AND STORE FOR REUSE.
4. COMPLETE INSTALLATION OF SEWER SIPHONS.
5. REPLACE STORED STORM DRAIN PIPE SEGMENTS WITH NEW GASKETS.
6. PROVIDE REPLACEMENT BARREL SECTION AND FLEXIBLE COUPLINGS.
7. COMPLETE BACKFILL OF SOUTHWEST END OF TRENCH WITH TYPE Y.
8. COMPLETE BACKFILL OF NORTHEAST END OF TRENCH WITH TYPE R TO LIMITS OF EXISTING QUARRY SPALL PIPE COVER PER 2/-.

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

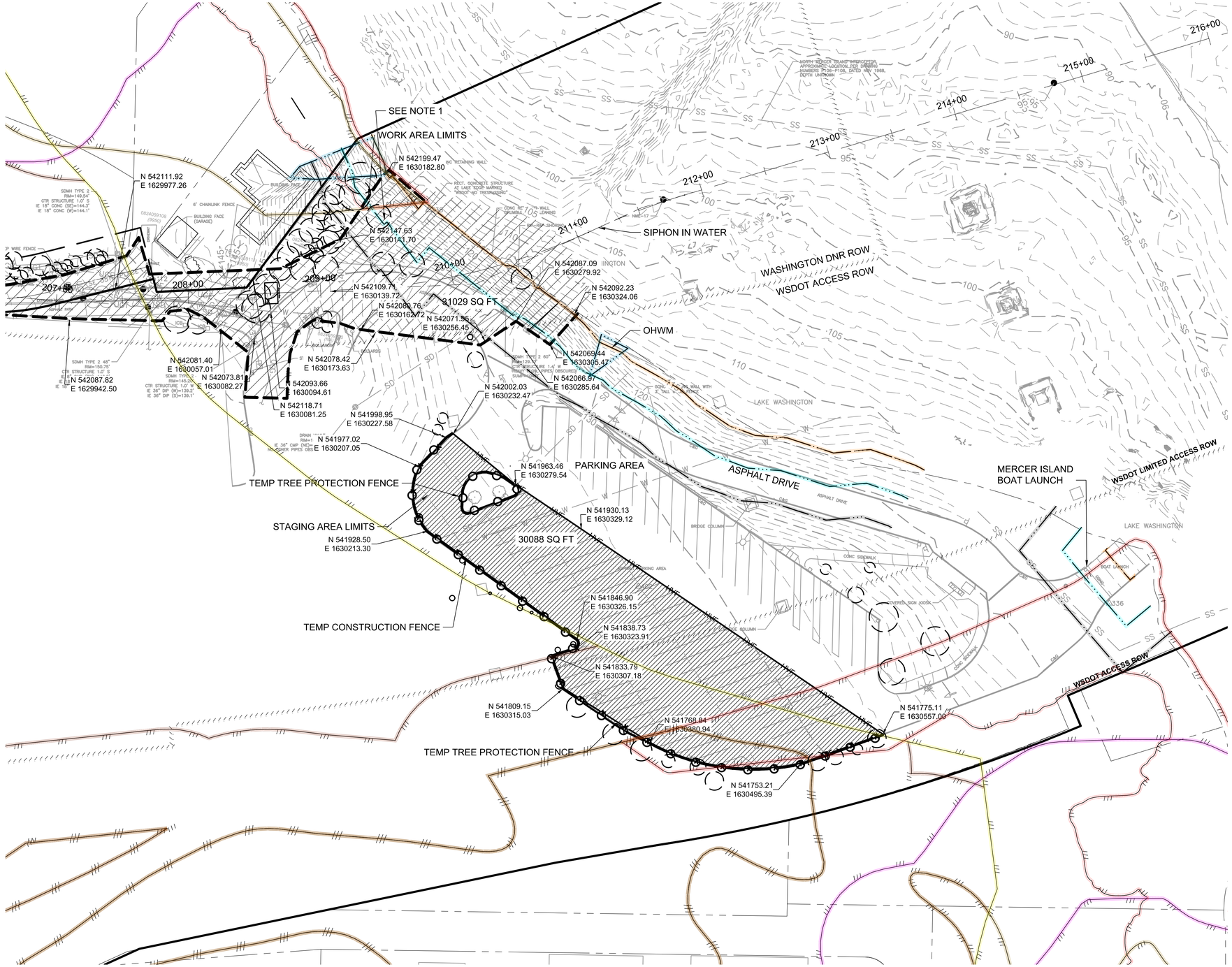
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON EXISTING UTILITY SECTIONS

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C128
SHT NO / TOTAL	136 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-18001\CAD\SheetFiles\E00306E13-PIPE-C128.dwg
PLOT DATE: 9/16/2019 1:45 PM
PLOTTED BY: Thomasy, Bryan



NOTES:

1. SEE C231 AND C232 FOR SITE PREPARATION ALONG SIPHON PIPELINE.
2. ANY STAGING OUTSIDE OF THE AREA SHOWN WILL BE CONTRACTOR'S RESPONSIBILITY TO NEGOTIATE AND SECURE ADDITIONAL AREA.
3. MAINTAIN ACCESS TO BOAT LAUNCH AND PARKING STALLS NOT IN STAGING AREA.
4. LEAVE EITHER EAST OR WEST HALF OF CHANNEL OPEN TO BOAT TRAFFIC AT ALL TIMES DURING CONSTRUCTION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 40 80 120
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: D. SCOTT	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND
ENATAI INTERCEPTOR UPGRADE

MERCER ISLAND BOAT LAUNCH WORK LIMITS & STAGING PLAN

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C131
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-C131.dwg
PLOT DATE: 9/27/2019 10:16 AM
PLOTTED BY: Morris, Richard

THIS DRAWING HAS BEEN UPDATED

FRONTAGE RD

ACCESS ROW

MATCHLINE - SEE DRAWING C133

OVERHEAD BRIDGE DECK OUTLINE (TYP)

OHWM (TYP)

N: 542002.03
E: 1630232.47

N: 541963.46
E: 1630279.54

LIMITS OF OVERLAY

OVERHEAD BRIDGE DECK OUTLINE (TYP)

N: 541774.72
E: 1630557.58

INSUFFICIENT DATA TO RESOLVE THE CURVE ON THIS AREA ON SHEET 6 OF 7 WEST SHORE TO EAST PRIMARY BRIDGE SHEET.

FOR THE PURPOSE OF THIS SURVEY THE RIGHT-OF-WAY IS DRAWN IN A STRAIGHT LINE FROM STA. 340+00, 343°11' RT. TO STA. 342+87.78, 333.25' RT.

NOTES:

1. RESTORE ROADWAY, STRIPING, MARKING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. REINSTALL ANY SIGNS REMOVED AND STORED DURING CONSTRUCTION IN THE ORIGINAL LOCATION AND ORIENTATION.
3. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.

KEY NOTES:

1. SAW CUT PAVEMENT AT LIMITS INDICATED.
2. PLANE EXISTING HMA SURFACE AND OVERLAY WITH 1.5" HMA. SEE DETAIL 2/C162 FOR BUTT JOINT DETAIL.
3. PLANE TO LINE OF GUTTER.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: D. SCOTT	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: C.SCHAUMBERG	CONTRACT NO: C01340C20

King County

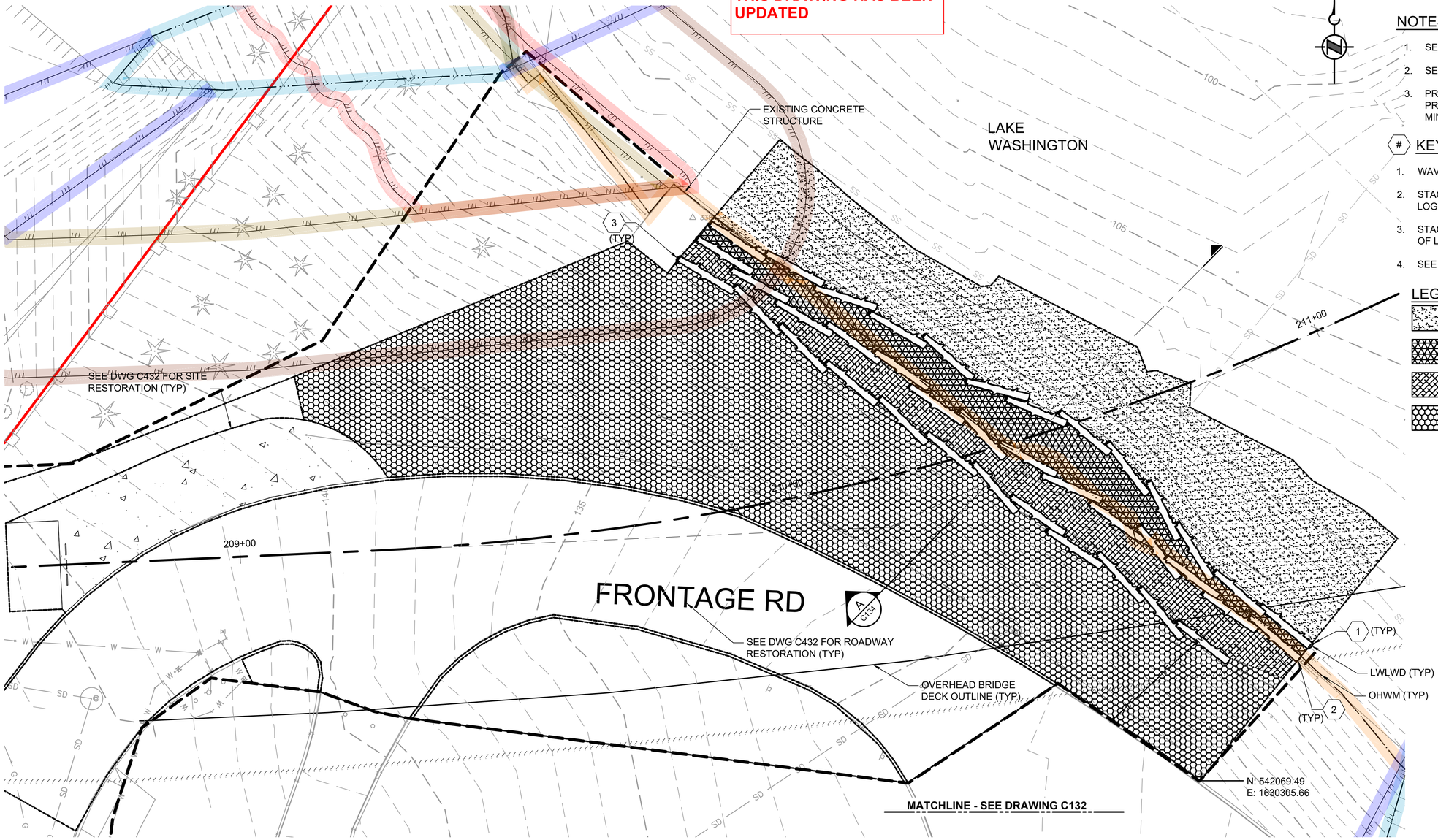
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

MERCER ISLAND BOAT LAUNCH SITE RESTORATION PLAN

DCN: TBD
DATE: 03/20/2020
PROJECT FILE NO: TBD
DRAWING NO: C132
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-18001\CAD\SheetFiles\E00306E13-PIPE-C132.dwg
PLOT DATE: 3/20/2020 11:08 AM
PLOTTED BY: Morris, Richard

THIS DRAWING HAS BEEN UPDATED



NOTES:

1. SEE DWG C082 FOR PLANTING DETAILS.
2. SEE DWG C087 FOR SHORELINE RESTORATION DETAILS.
3. PROVIDE CEDAR LOGS 18" TO 24" DIA AND 15' TO 20' LONG. PROVIDE LONGER LOGS AT PIPE CROSSINGS TO PROVIDE MIN 18" CLEARANCE FROM PIPELINES.

KEY NOTES:

1. WAVE LEVEL LOG AT LWLWD. TOP OF LOGS AT 113.7.
2. STACKED WAVE LEVEL LOGS AT OHWM. TOP OF LOWER LOGS AT 115.5.
3. STACKED WAVE LEVEL LOGS AT DESIGN WAVE LEVEL. TOP OF LOWER LOGS AT 118.4.
4. SEE DRAWINGS C028 AND C128 FOR TRENCH RESTORATION.

LEGEND:

- BEACH NOURISHMENT TYPE J
- BEACH NOURISHMENT TYPE L
- BEACH NOURISHMENT TYPE L OVER TYPE J WITH LIVE STAKING
- PLANTING MIX E SHORELINE RESTORATION MIX

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 10 20 30
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: A. MURDICK	SCALE: AS NOTED
PROJECT ENGINEER: J.CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: C.SCHAUMBERG	CONTRACT NO: C01340C20

King County

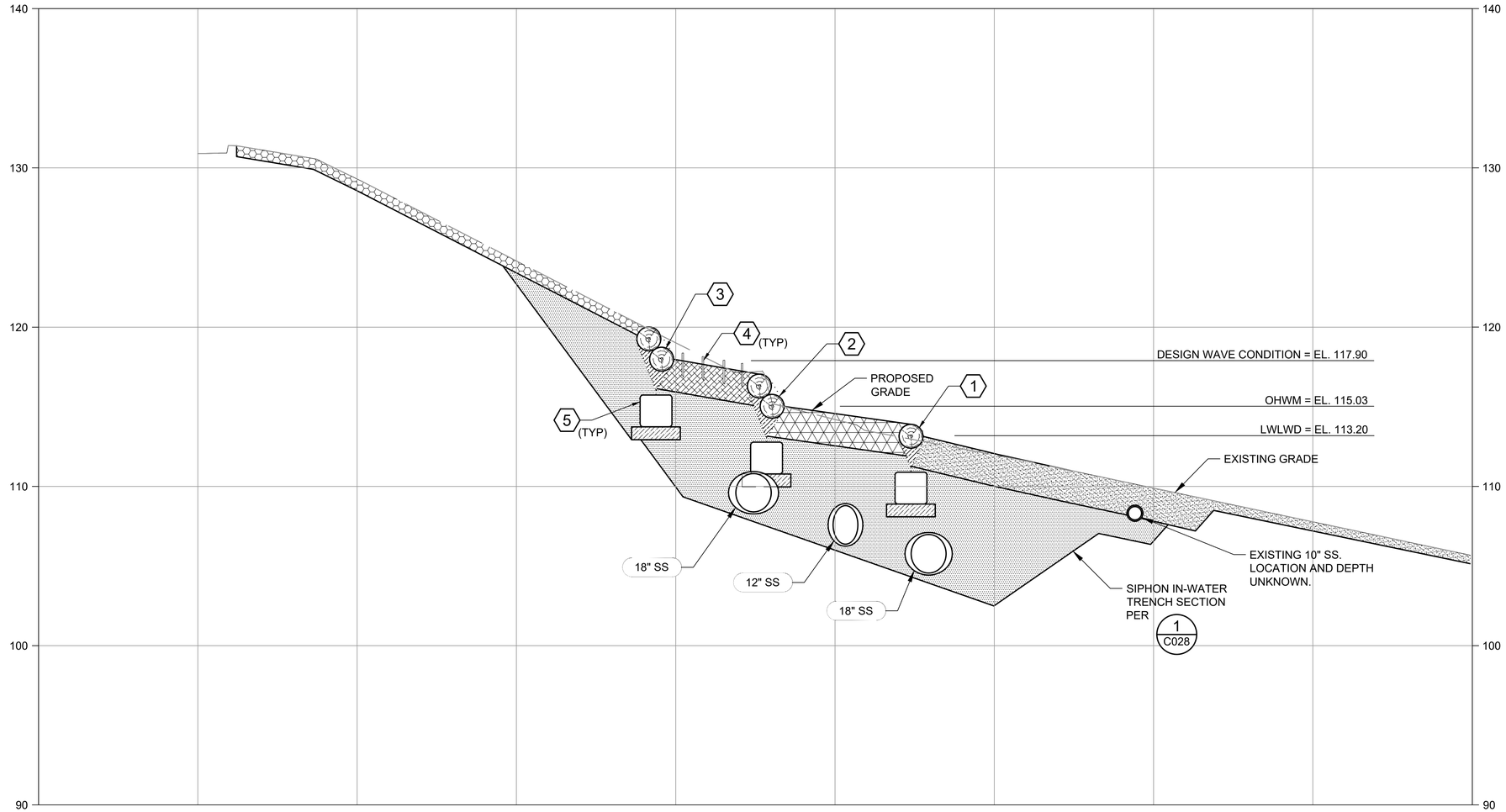
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

MERCER ISLAND BOAT LAUNCH SHORELINE RESTORATION PLAN

DCN:	TBD
DATE:	03/20/2020
PROJECT FILE NO:	TBD
DRAWING NO:	C133
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-18001\CAD\SheetFiles\E003306E13-PIPE-C133.dwg
PLOT DATE: 3/20/2020 11:08 AM
PLOTTED BY: Morris, Richard

THIS DRAWING HAS BEEN UPDATED



SECTION A / C133
SCALE: 1"= 4'

NOTES:

1. SEE DWG C082 FOR PLANTING DETAILS.
2. SEE DWG C087 FOR SHORELINE RESTORATION DETAILS.
3. PROVIDE CEDAR LOGS 18" TO 24" DIA AND 15' TO 20' LONG. PROVIDE LONGER LOGS AT PIPE CROSSINGS TO PROVIDE MIN 18" CLEARANCE FROM PIPELINES.

(#) KEY NOTES:

1. WAVE LEVEL LOG AT LWLWD. TOP OF LOGS AT 113.7.
2. STACKED WAVE LEVEL LOGS AT OHWM. TOP OF LOWER LOGS AT 115.5.
3. STACKED WAVE LEVEL LOGS AT DESIGN WAVE LEVEL. TOP OF LOWER LOGS AT 118.4.
4. LIVE STAKE PLANTING, SEE 5/C082. SPECIES MIX SHALL BE 2/3 SALIX SPP. TO 1/3 CORNUS SERICEA PLANTED AT 24" O.C.
5. ECOLOGY BLOCK ANCHOR. PLACE BLOCKS OUTSIDE OF SEWER SIPHONS, SEE 1/ C087

LEGEND:

- BEACH NOURISHMENT TYPE J: MIN. 24" DEPTH
- BEACH NOURISHMENT TYPE L: MIN. 24" DEPTH
- BEACH NOURISHMENT TYPE L OVER TYPE J: MIN. 24" DEPTH (12" THICKNESS OF EACH TYPE)
- UPLAND SOIL WITH TOPSOIL: MIN. 8" DEPTH
- TYPE R

FOR REFERENCE ONLY

0 4 8 12
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\125398200-12539-18001\CAD\SheetFiles\E00306E13-PIPE-C134.dwg
PLOT DATE: 3/19/2020 12:19 PM
PLOTTED BY: McAvoy, Jack

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

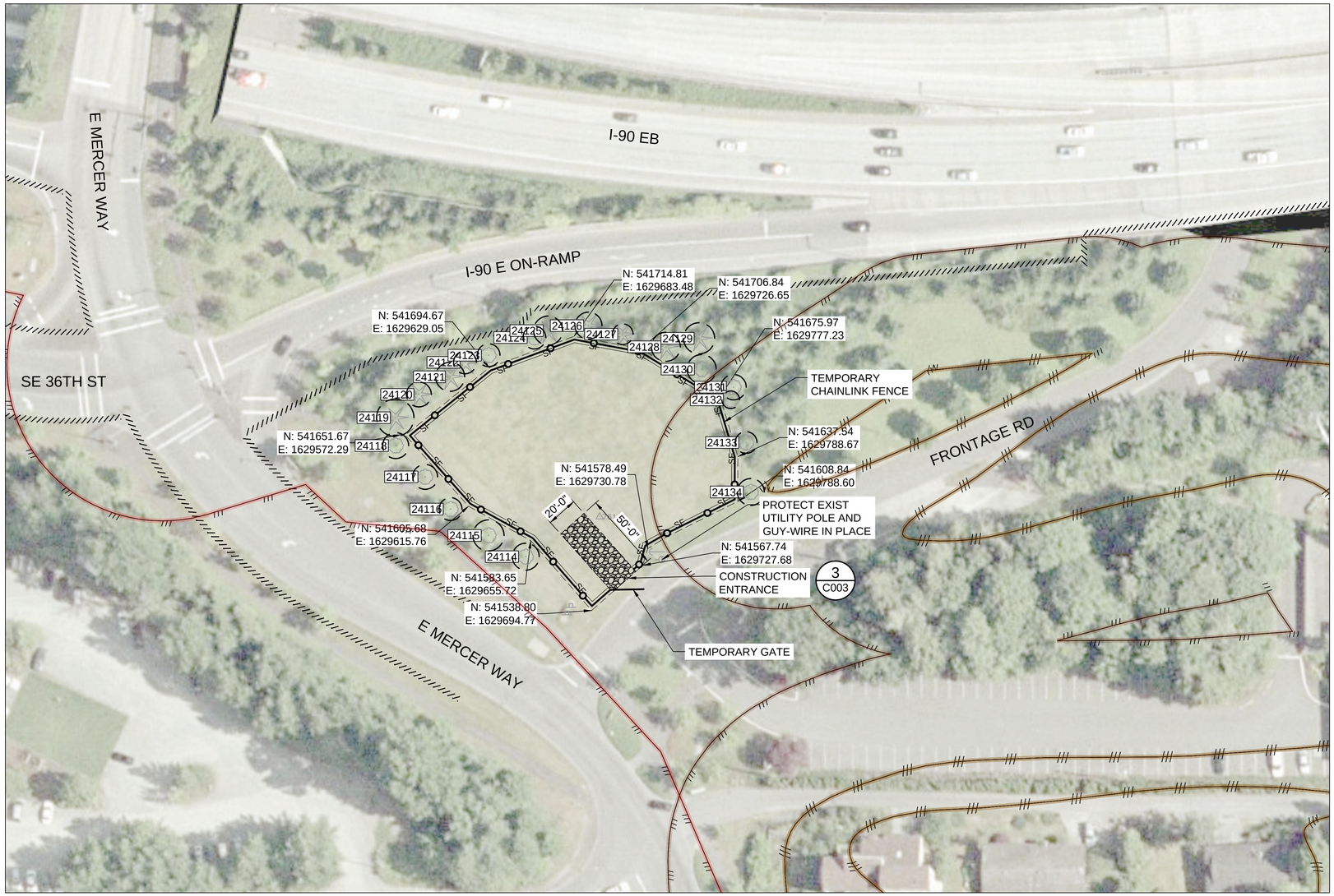
DESIGNED/DRAWN: A. MURDICK	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: C.SCHAUMBERG	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

MERCER ISLAND BOAT LAUNCH SHORELINE RESTORATION SECTION

DCN:	TBD
DATE:	03/20/2020
PROJECT FILE NO:	TBD
DRAWING NO:	C134
SHT NO / TOTAL	/
REV NO:	



NOTES:

1. ANY STAGING OUTSIDE OF THE AREA SHOWN WILL BE CONTRACTOR'S RESPONSIBILITY TO NEGOTIATE AND SECURE.
2. CONTRACTOR TO PREPARE THE STAGING AREA SURFACE AS NEEDED WITH CRUSHED SURFACING BASE COURSE OR QUARRY SPALLS. FOR RESTORATION, CONTRACTOR SHALL COMPLETELY REMOVE ALL MATERIAL IN ORDER TO REESTABLISH THE PRE-CONSTRUCTION GRADE, PREPARE THE SUB-GRADE, AND PLACE TOP SOIL AND LAWN SEED.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 40 80 120
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

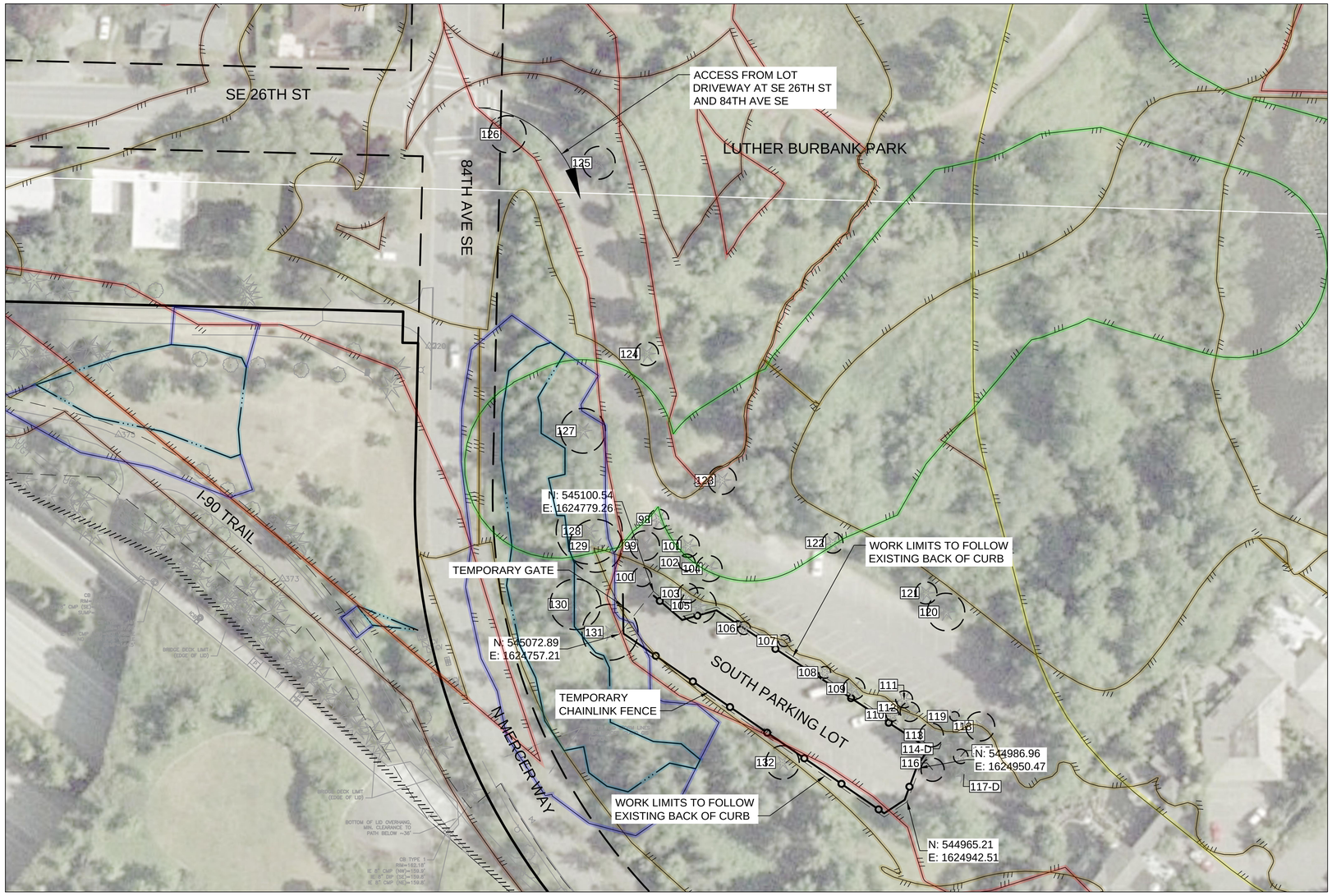
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI
INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

OFF SITE STAGING AREA
EAST MERCER WAY

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C161
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X6720Q\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C161.dwg
PLOT DATE: 9/25/2019 5:45 PM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. ANY STAGING OUTSIDE OF THE AREA SHOWN WILL BE CONTRACTOR'S RESPONSIBILITY TO NEGOTIATE AND SECURE ADDITIONAL AREA.
2. PRIOR TO LEAVING THE SITE, THE CONTRACTOR SHALL RESTORE THE PARKING LOT TO EXISTING CONDITION OR BETTER INCLUDING BUT NOT LIMITED TO THE FOLLOWING ITEMS PAVEMENT, STRIPING, SIGNAGE, AND LANDSCAPING.
3. CONTRACTOR TO PROVIDE APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL PROTECTION FOR STAGING AREA INCLUDING MEASURES SUCH AS STORM DRAIN INLET PROTECTION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 40 80 120
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: 1" = 40'
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

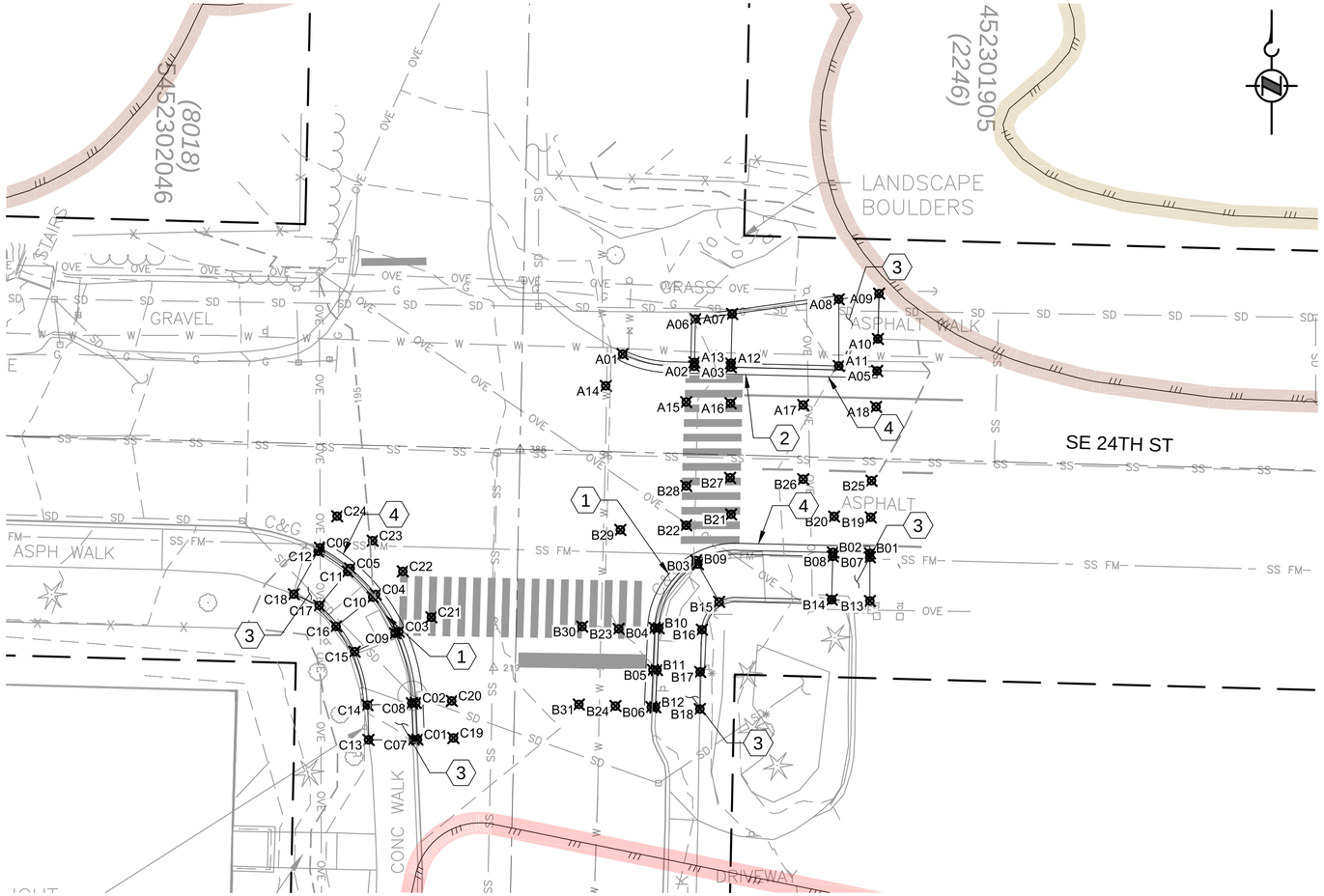
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

OFF SITE STAGING AREA SOUTH LUTHER BURBANK PARKING LOT

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C162
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C162.dwg
PLOT DATE: 9/25/2019 5:52 PM
PLOTTED BY: D'Auria, Isaac



SE 24TH ST AND 81ST AVE SE

DETAIL 1 / C408

SCALE: 1"=10'

SE 24TH ST AND 81ST AVE SE				
POINT	NORTHING	EASTING	ELEV	DESC
A01	546114.0789	1623753.6808	197.144	FL
A02	546112.4043	1623763.4680	197.968	FL
A03	546112.2793	1623768.4600	198.055	FL
A05	546111.7787	1623788.4595	199.440	FL
A06	546118.8606	1623763.6289	198.088	SPOT
A07	546119.5572	1623768.6479	198.180	SPOT
A08	546121.5631	1623783.2129	199.730	SPOT
A09	546122.3437	1623788.7240	200.156	SPOT
A10	546116.1466	1623788.5636	200.031	SPOT
A11	546112.4518	1623783.2129	199.563	TBC
A12	546112.8207	1623768.4793	198.057	TBC
A13	546112.9458	1623763.4809	197.969	TBC
A14	546109.7350	1623751.3752	196.960	SPOT
A15	546107.5137	1623762.3655	197.850	SPOT
A16	546107.3620	1623768.4260	198.150	SPOT
A17	546107.1133	1623778.3572	198.902	SPOT
A18	546106.8641	1623788.3136	199.604	SPOT
B01	546086.8534	1623787.4732	199.769	LF
B02	546086.9677	1623782.4089	199.446	LF
B03	546085.8481	1623763.7135	197.489	LF
B04	546076.6422	1623758.0612	197.402	FL
B05	546070.8976	1623757.8221	197.082	FL
B06	546065.8241	1623757.6109	196.731	FL
B07	546086.3117	1623787.4687	200.269	TBC
B08	546086.4263	1623782.3892	199.943	TBC
B09	546085.3632	1623763.9564	197.488	TBC
B10	546076.6197	1623758.6024	197.404	TBC
B11	546070.8937	1623758.3641	197.583	TBC
B12	546065.8014	1623758.1521	197.231	TBC
B13	546080.3347	1623787.4688	200.349	SPOT
B14	546080.5111	1623782.2557	200.061	SPOT
B15	546080.2090	1623766.8618	197.606	SPOT
B16	546076.4097	1623764.5157	197.523	SPOT
B17	546070.6342	1623764.2751	197.516	SPOT
B18	546065.5588	1623764.2302	197.357	SPOT
B19	546091.7687	1623787.5907	199.404	SPOT

SE 24TH ST AND 81ST AVE SE				
POINT	NORTHING	EASTING	ELEV	DESC
B20	546091.8817	1623782.5868	199.089	SPOT
B21	546092.1687	1623768.5027	197.951	SPOT
B22	546090.6786	1623762.3655	197.646	SPOT
B23	546076.5185	1623753.1351	197.008	SPOT
B24	546065.9729	1623752.6961	196.499	SPOT
B25	546096.7676	1623787.6989	199.850	SPOT
B26	546096.9784	1623778.3571	198.967	SPOT
B27	546097.1671	1623768.3655	198.223	SPOT
B28	546096.0602	1623762.3655	197.902	SPOT
B29	546090.0493	1623753.3655	197.122	SPOT
B30	546076.8318	1623748.1438	196.708	SPOT
B31	546066.1808	1623747.7005	196.269	SPOT
C01	546061.3957	1623725.6401	195.461	FL
C02	546066.3966	1623725.4219	195.264	FL
C03	546076.1457	1623723.0874	195.199	FL
C04	546081.2276	1623719.9323	195.094	FL
C05	546084.7943	1623716.4404	194.856	FL
C06	546087.5953	1623712.3182	194.618	FL
C07	546061.3721	1623725.0989	195.961	TBC
C08	546066.3673	1623724.8810	195.764	TBC
C09	546075.9165	1623722.5966	195.201	TBC
C10	546080.8564	1623719.5341	195.097	TBC
C11	546084.3618	1623716.1132	195.357	TBC
C12	546087.1192	1623712.0597	195.118	TBC
C13	546061.3478	1623718.9549	196.152	SPOT
C14	546066.1023	1623718.8035	195.870	SPOT
C15	546073.3996	1623717.0580	195.321	SPOT
C16	546076.8552	1623714.5192	195.209	SPOT
C17	546079.7000	1623712.2050	195.480	SPOT
C18	546081.2558	1623708.7412	195.315	SPOT
C19	546061.6099	1623730.5521	195.562	SPOT
C20	546066.6757	1623730.3311	195.458	SPOT
C21	546078.1079	1623727.5400	195.447	SPOT
C22	546084.3744	1623723.6368	195.227	SPOT
C23	546088.5738	1623719.5127	195.021	SPOT
C24	546091.9164	1623714.6638	194.782	SPOT

NOTES:

1. PARALLEL CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
2. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD F-10.12-03.
3. SIDEWALK PER WSDOT STANDARD PLAN F-30.10-03.
4. PROPOSED 4:1 SLOPE GRADING EXTENTS.
5. PROTECT ADJACENT EXISTING FACILITIES NOT DESIGNATED FOR REMOVAL IN PLACE.

KEY NOTES:

1. TYPE PARALLEL A CURB RAMP
2. TYPE PARALLEL B CURB RAMP
3. SIDEWALK
4. CURB AND GUTTER

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 10 20 30

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: J. HUDSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

ADA RAMP
SE 24TH AND 81ST

DCN: TBD

DATE:

PROJECT FILE NO: TBD

DRAWING NO: C171

SHT NO / TOTAL: /

REV NO:

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-ADA-C171.dwg
PLOT DATE: 9/25/2019 4:24 PM
PLOTTED BY:D'Auria, Isaac

N MERCER WAY AND 81ST AVE SE

DETAIL 1 / C409

SCALE: 1"=10'

N MERCER WAY AND 81ST AVE SE				
POINT	NORTHING	EASTING	ELEV	DESC
D01	545746.4413	1623679.9653	200.101	FL
D02	545746.1813	1623684.9511	200.400	FL
D03	545746.6357	1623689.9512	200.671	FL
D04	545747.8067	1623694.8307	200.759	FL
D05	545751.6237	1623702.9711	201.200	FL
D06	545760.3989	1623712.3683	201.572	FL
D07	545746.9777	1623680.0324	200.595	TBC
D08	545746.7200	1623684.9673	200.892	TBC
D09	545747.1654	1623689.8347	200.670	TBC
D10	545748.3324	1623694.6966	200.760	TBC
D11	545752.0696	1623702.6865	201.618	TBC
D12	545760.7193	1623711.9316	202.031	TBC
D13	545753.4859	1623688.3176	200.995	SPOT
D14	545754.6528	1623693.1795	201.070	SPOT
D15	545756.5835	1623680.6691	200.790	SPOT
D16	545758.3706	1623687.1452	201.070	SPOT
D17	545759.6907	1623691.9703	201.145	SPOT
D18	545761.5818	1623698.7780	201.771	SPOT
D19	545763.9910	1623707.4724	202.188	SPOT
D20	545740.5684	1623679.2375	199.904	SPOT
D21	545740.2972	1623686.1421	200.232	SPOT
D22	545740.8112	1623690.9942	200.700	SPOT
D23	545743.2066	1623699.5104	200.800	SPOT
D24	545744.9576	1623703.2879	201.167	SPOT
D25	545756.9907	1623717.2059	201.794	SPOT
D26	545738.6950	1623708.7285	201.310	SPOT
D27	545736.0717	1623705.7088	200.907	SPOT

N MERCER WAY AND 81ST AVE SE				
POINT	NORTHING	EASTING	ELEV	DESC
D28	545731.0468	1623699.4769	200.766	SPOT
D29	545728.6155	1623696.2906	200.352	SPOT
E01	545744.0520	1623729.2783	202.331	FL
E02	545740.9687	1623726.7538	202.152	FL
E03	545723.0177	1623718.2670	201.082	FL
E04	545717.0554	1623717.5696	200.977	FL
E05	545710.0651	1623717.8909	200.605	FL
E06	545705.1506	1623718.8671	200.500	FL
E07	545743.7088	1623729.6974	202.831	TBC
E08	545740.6139	1623727.1634	202.651	TBC
E09	545722.9229	1623718.8003	201.084	TBC
E10	545717.0340	1623718.1109	200.979	TBC
E11	545710.1338	1623718.4282	201.105	TBC
E12	545705.2888	1623719.3896	200.993	TBC
E13	545737.0569	1623737.8216	202.823	SPOT
E14	545733.9694	1623735.2936	202.835	SPOT
E15	545720.9394	1623729.0264	201.266	SPOT
E16	545716.6037	1623728.5337	201.179	SPOT
E17	545711.5304	1623728.8348	201.289	SPOT
E18	545708.1698	1623730.2896	201.530	SPOT
E19	545747.8003	1623724.7004	202.130	SPOT
E20	545731.8597	1623714.6666	201.395	SPOT
E21	545727.4258	1623713.2200	201.000	SPOT
E22	545717.0372	1623711.6478	200.900	SPOT
E23	545710.6949	1623711.8590	200.483	SPOT
E24	545703.6384	1623713.1457	200.305	SPOT

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

NOTES:

1. PARALLEL CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
2. PERPENDICULAR CURB RAMP PER WSDOT STANDARD F-40.15-03.
3. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD F-10.12-03.
4. SIDEWALK PER WSDOT STANDARD PLAN F-30.10-03.
5. PROPOSED 4:1 SLOPE GRADING EXTENTS.
6. PROTECT ADJACENT EXISTING FACILITIES NOT DESIGNATED FOR REMOVAL IN PLACE.

(#) KEY NOTES:

1. TYPE PARALLEL A CURB RAMP
2. TYPE PERPENDICULAR A CURB RAMP
3. SIDEWALK
4. CURB AND GUTTER

0 10 20 30

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: J. HUDSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

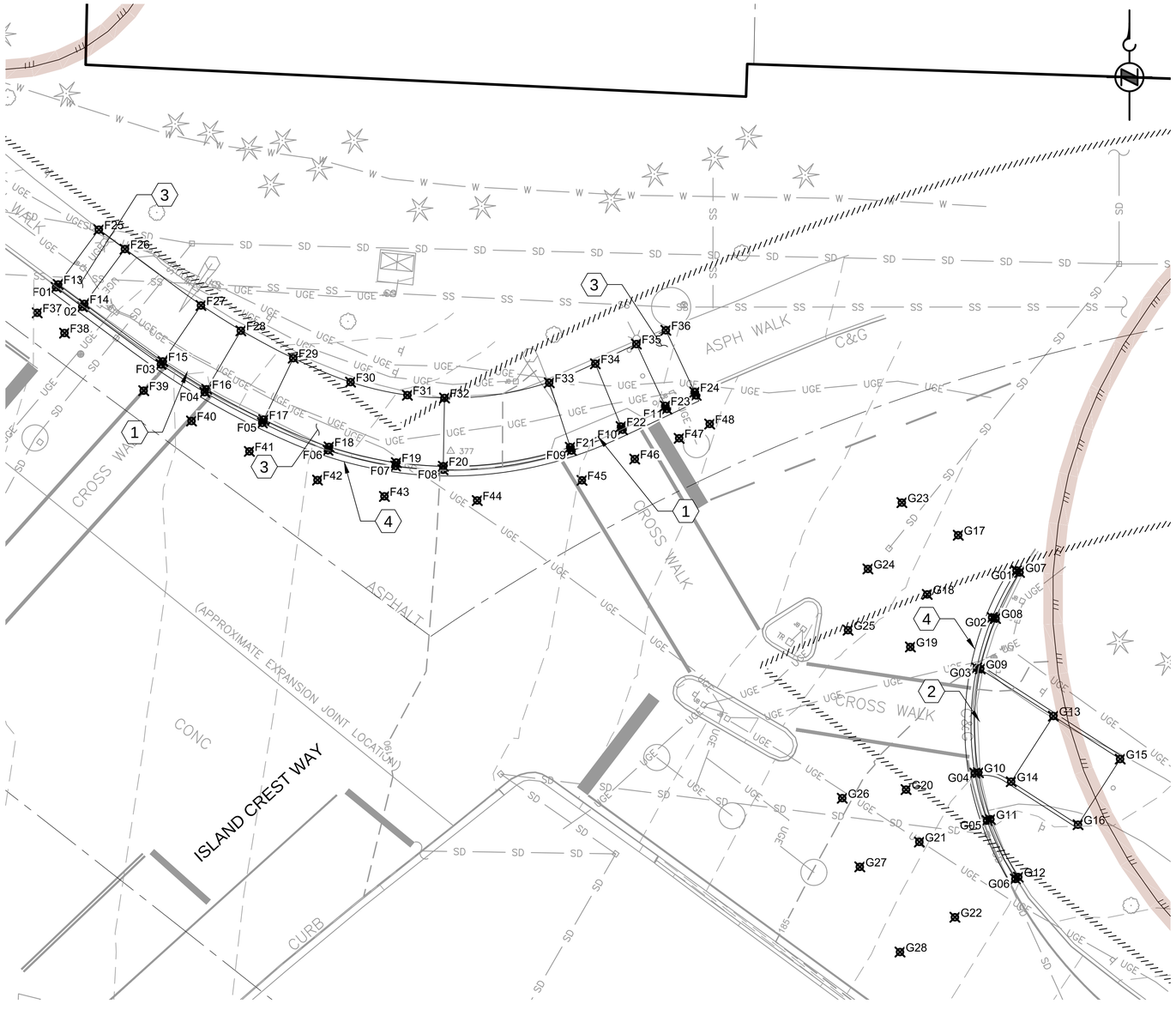
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

ADA RAMP 81ST AND N MERCER WAY

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C172
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-ADA-C172.dwg
PLOT DATE: 9/25/2019 4:29 PM
PLOTTED BY: DAuria, Isaac



N MERCER WAY AND SE 26TH ST

DETAIL 1 — C411, C451

SCALE: 1"=10'

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

N MERCER WAY AND SE 26TH ST				
POINT	NORTHING	EASTING	ELEV	DESC
F01	545420.6057	1624008.6220	192.833	FL
F02	545417.6097	1624012.6568	192.645	FL
F03	545408.7463	1624024.7576	192.064	FL
F04	545404.4720	1624031.4987	191.924	FL
F05	545399.7539	1624040.3534	191.400	FL
F06	545395.5443	1624050.4601	190.882	FL
F07	545393.1217	1624060.8626	190.404	FL
F08	545392.5451	1624068.1584	190.078	FL
F09	545395.5166	1624087.9263	188.926	FL
F10	545398.7057	1624095.7857	188.767	FL
F11	545401.8894	1624102.6008	188.477	FL
F12	545403.9954	1624107.1090	188.261	FL
F13	545421.0439	1624008.9474	193.333	TBC
F14	545418.0564	1624012.9637	193.146	TBC
F15	545409.2023	1624025.0503	192.066	TBC
F16	545404.9306	1624031.7875	191.926	TBC
F17	545400.2520	1624040.5562	191.873	TBC
F18	545396.0628	1624050.6173	191.383	TBC
F19	545393.6540	1624060.9672	190.903	TBC
F20	545393.0861	1624068.1993	190.576	TBC
F21	545396.0221	1624087.7294	188.928	TBC
F22	545399.1934	1624095.5500	188.801	TBC
F23	545402.3699	1624102.3496	189.006	TBC
F24	545404.4862	1624106.8797	188.770	TBC
F25	545429.4707	1624015.2045	193.460	SPOT
F26	545426.4898	1624019.2189	193.330	SPOT
F27	545417.8125	1624030.9129	192.248	SPOT
F28	545413.9170	1624037.0553	192.108	SPOT
F29	545409.7121	1624045.1122	192.057	SPOT
F30	545406.0269	1624053.9293	191.565	SPOT
F31	545404.0176	1624062.6775	191.073	SPOT
F32	545403.5845	1624068.3820	190.760	SPOT
F33	545405.9250	1624084.4987	189.110	SPOT
F34	545408.8547	1624091.5941	188.997	SPOT
F35	545411.8831	1624097.9055	189.190	SPOT
F36	545413.9993	1624102.4356	189.094	SPOT
F37	545416.6890	1624005.7193	192.975	SPOT
F38	545413.5691	1624009.9210	192.784	SPOT

N MERCER WAY AND SE 26TH ST				
POINT	NORTHING	EASTING	ELEV	DESC
F39	545404.7123	1624022.1053	192.216	SPOT
F40	545400.0476	1624029.4612	191.881	SPOT
F41	545395.3759	1624038.3608	191.471	SPOT
F42	545390.9618	1624048.8480	190.905	SPOT
F43	545388.4559	1624059.1412	190.316	SPOT
F44	545387.8202	1624073.4182	189.759	SPOT
F45	545390.9243	1624089.5330	188.959	SPOT
F46	545394.1983	1624097.6551	188.628	SPOT
F47	545397.3896	1624104.4866	188.489	SPOT
F48	545399.5840	1624109.1838	188.067	SPOT
G01	545377.0531	1624156.3982	185.143	FL
G02	545369.8295	1624152.6410	184.885	FL
G03	545362.0666	1624150.2823	184.631	FL
G04	545345.8995	1624149.9851	184.269	FL
G05	545338.6001	1624151.8618	183.643	FL
G06	545329.6118	1624156.2119	183.020	FL
G07	545376.7599	1624156.8536	185.643	TBC
G08	545369.6891	1624153.1696	185.387	TBC
G09	545361.9108	1624150.8033	184.632	TBC
G10	545345.9633	1624150.5236	184.320	TBC
G11	545338.7904	1624152.3691	184.143	TBC
G12	545329.9015	1624156.6696	183.520	TBC
G13	545354.6671	1624162.0663	184.705	SPOT
G14	545344.5750	1624155.5756	184.465	SPOT
G15	545348.0585	1624172.3422	184.310	SPOT
G16	545337.9641	1624165.8536	184.150	SPOT
G17	545382.4894	1624147.4243	185.767	SPOT
G18	545373.3819	1624142.6538	185.765	SPOT
G19	545365.2989	1624140.0609	185.587	SPOT
G20	545343.3638	1624139.3971	184.506	SPOT
G21	545335.3022	1624141.4411	184.088	SPOT
G22	545323.7301	1624146.9182	183.420	SPOT
G23	545387.4944	1624138.7554	186.358	TBC
G24	545377.2971	1624133.5311	186.374	TBC
G25	545367.8788	1624130.4720	186.143	TBC
G26	545342.0372	1624129.5811	185.100	TBC
G27	545331.4769	1624132.2837	184.550	SPOT
G28	545318.3830	1624138.4693	183.750	SPOT

NOTES:

1. PARALLEL CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
2. SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-03.
3. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD F-10.12-03.
4. SIDEWALK PER WSDOT STANDARD PLAN F-30.10-03.
5. PROPOSED 4:1 SLOPE GRADING EXTENTS.
6. PROTECT ADJACENT EXISTING FACILITIES NOT DESIGNATED FOR REMOVAL IN PLACE.

(#) KEY NOTES:

1. TYPE PARALLEL A CURB RAMP
2. TYPE SINGLE DIRECTION A CURB RAMP
3. SIDEWALK
4. CURB AND GUTTER

0 10 20 30
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: J. HUDSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

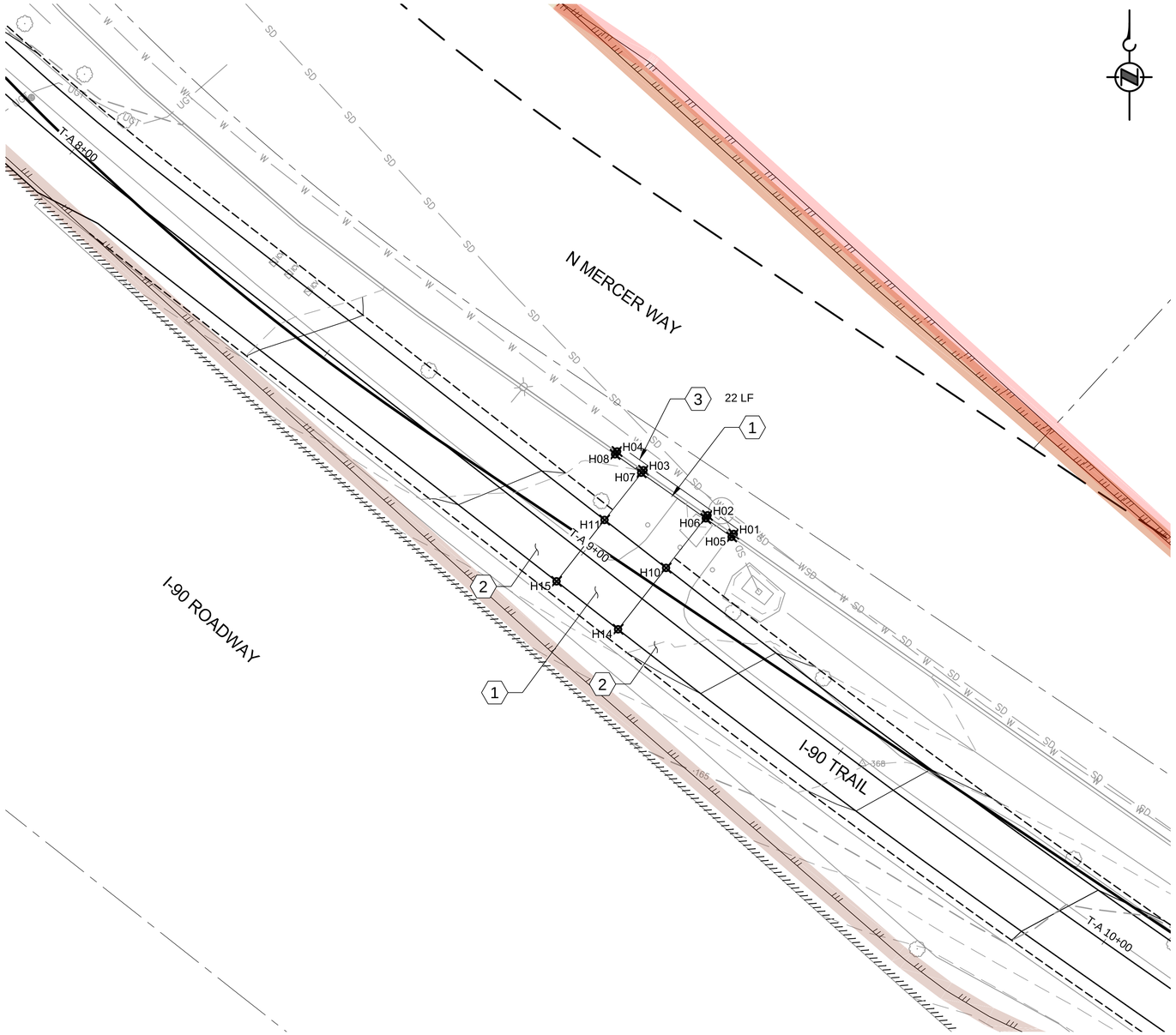
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

ADA RAMP N MERCER WAY AND ISLAND CREST (26TH)

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C173
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E003306E13-ADA-C173.dwg
PLOT DATE: 9/25/2019 4:35 PM
PLOTTED BY: D'Auria, Isaac



N MERCER WAY MIDBLOCK

DETAIL 1 — C413, C453

SCALE: 1"=10'

N MERCER WAY				
POINT	NORTHING	EASTING	ELEV	DESC
H01	544798.5879	1624856.5712	161.900	FL
H02	544801.4593	1624852.5340	161.794	FL
H03	544808.4092	1624842.6943	161.537	FL
H04	544811.2972	1624838.6136	161.430	FL
H05	544798.1583	1624856.2405	162.400	TBC
H06	544801.0026	1624852.2698	162.210	TBC
H07	544808.0344	1624842.3195	162.028	TBC
H08	544810.8586	1624838.3032	161.930	TBC
H10	544793.3750	1624846.1556	162.430	SPOT
H11	544800.7562	1624836.6942	162.250	SPOT
H14	544783.9288	1624838.7723	162.610	SPOT
H15	544791.3016	1624829.3043	162.430	SPOT

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

NOTES:

1. PERPENDICULAR CURB RAMP PER WSDOT STANDARD PLAN F-40.15-03.
2. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD F-10.12-03.
3. SIDEWALK PER WSDOT STANDARD PLAN F-30.10-03.
4. PROPOSED 4:1 SLOPE GRADING EXTENTS.
5. PROTECT ADJACENT EXISTING FACILITIES NOT DESIGNATED FOR REMOVAL IN PLACE.

(#) KEY NOTES:

1. TYPE PERPENDICULAR B CURB RAMP AND CONCRETE LANDING
2. I-90 TRAIL
3. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.

0 10 20 30

SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-ADA-C174.dwg
PLOT DATE: 9/25/2019 4:41 PM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

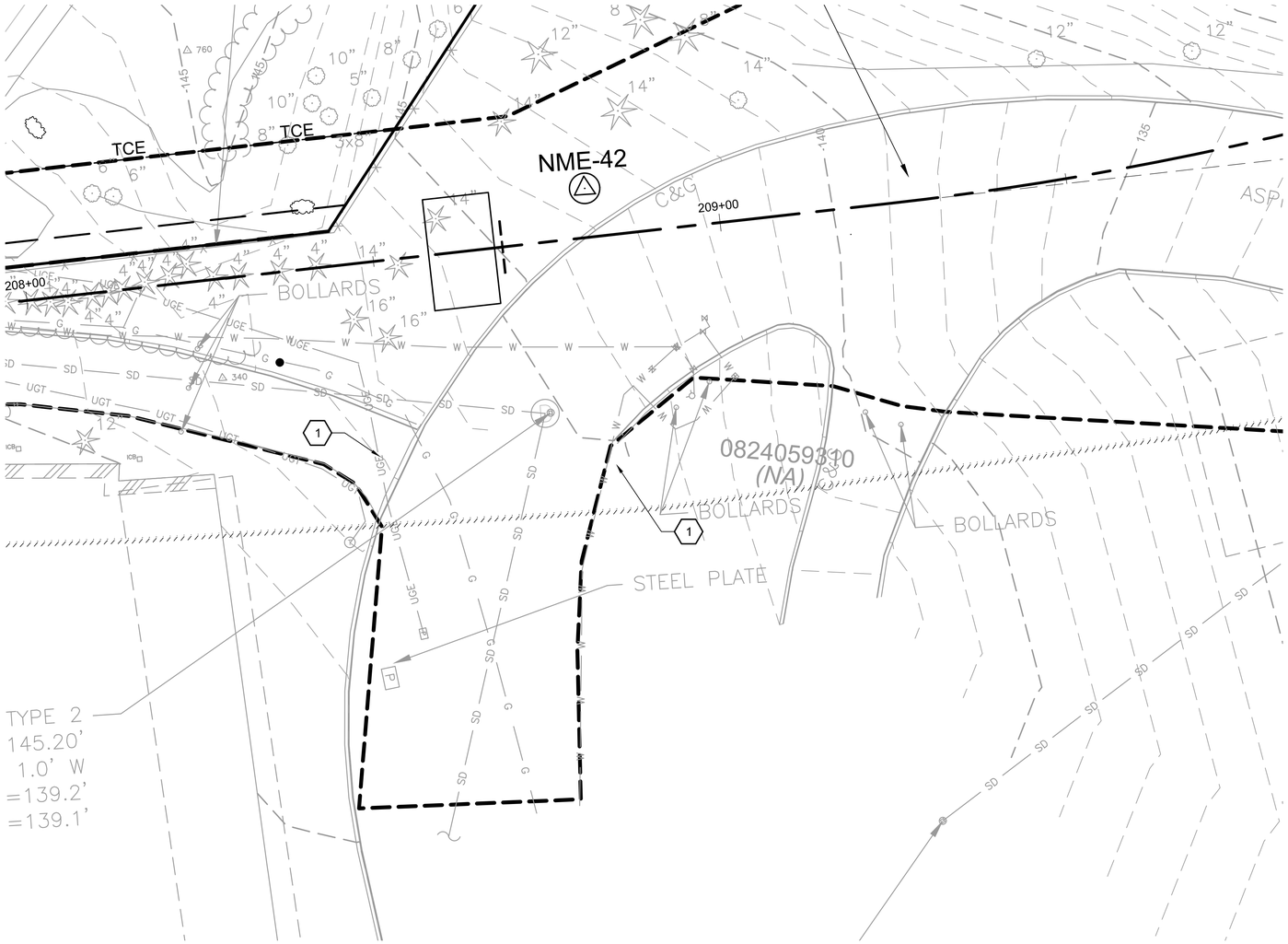
DESIGNED/DRAWN: J. HUDSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

ADA RAMP
I-90 TRAIL MIDBLOCK
STA T-A 9+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C174
SHT NO / TOTAL	/
REV NO:	



PLAN
SCALE: 1" = 10'

NOTES:

1.

KEY NOTES:

1. PROPOSED LOCATION OF ADA RAMP.

FOR REFERENCE ONLY

NOTE TO REVIEWER:

ADA RAMPS DESIGN PENDING TOPO SURVEY TO BE COLLECTED POST 90% SUBMITTAL.

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

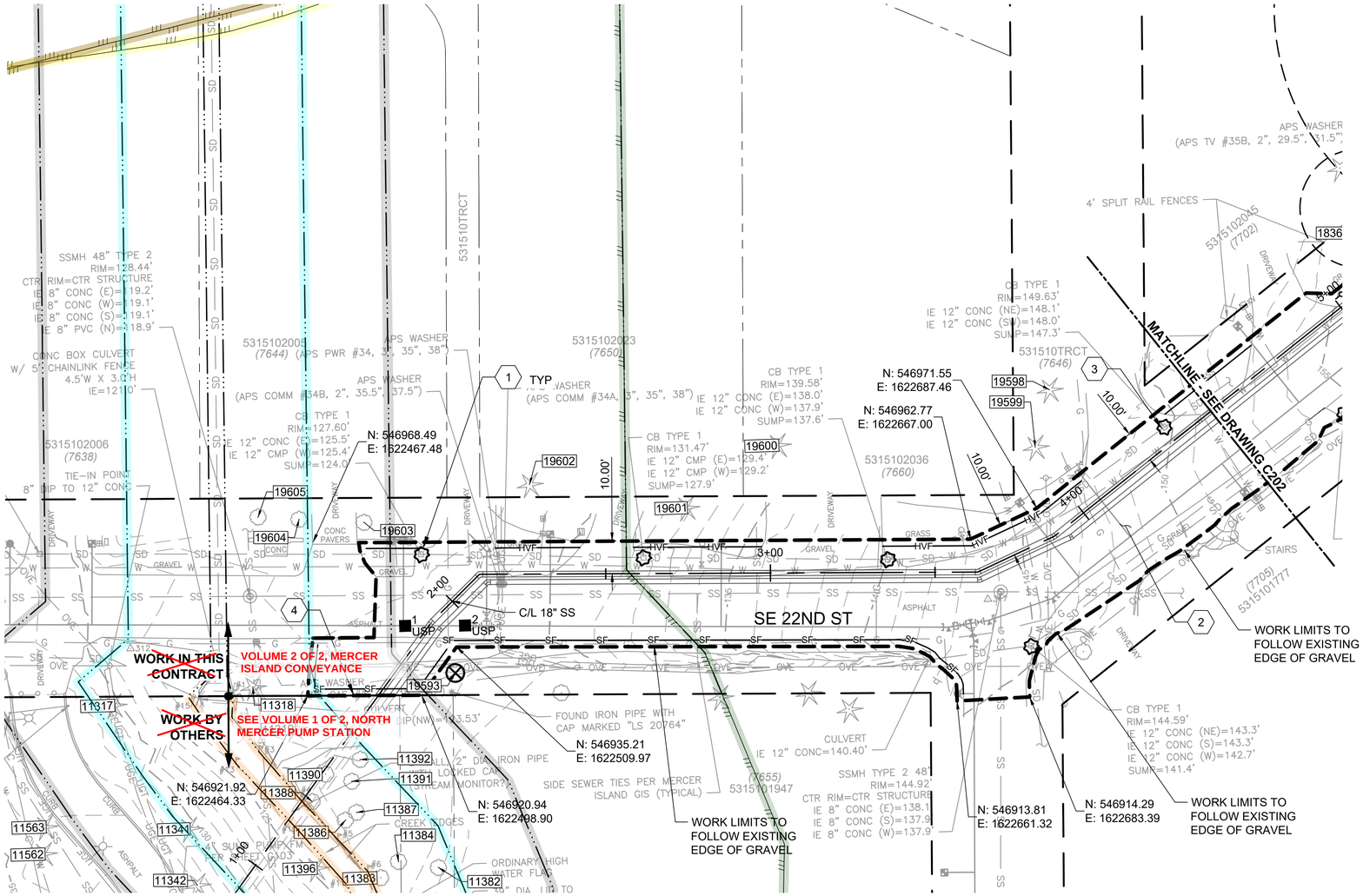
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

ADA RAMP
SE 35TH PLACE PATH AT FRONTAGE ROAD

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C176
SHT NO / TOTAL: 165 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:O:\Projects\Seattle\12539200-12539-18001\CAD\SheetFiles\E00306E13-PIPE-C176.dwg
PLOT DATE: 9/16/2019 3:25 PM
PLOTTED BY: Thomasy, Bryan



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.
7. REFER TO TRAFFIC CONTROL DRAWINGS FOR TEMPORARY SIGNAGE.
8. SEE TREE MANAGEMENT SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS WHEN WORKING WITHIN THE LIMITS OF DISTURBANCE (LOD).
9. TREE HEALTH SHALL BE MONITORED BY THE PROJECT ARBORIST DURING AND AFTER CONSTRUCTION, UNTIL SUBSTANTIAL COMPLETION AS STATED IN THE TREE MANAGEMENT SPECIFICATIONS.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T102.
3. EXISTING STORMWATER LINE IS AN APPROVED LOCATION FOR AUTHORIZED DISCHARGES AS DEFINED IN THE SITE WATER DISCHARGE SPECIFICATION.
4. NOTE ROW LINE AND WORK LIMIT LINE POSITIONED ON TOP OF EACH OTHER.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 1+64 TO STA 4+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C201
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C201.dwg
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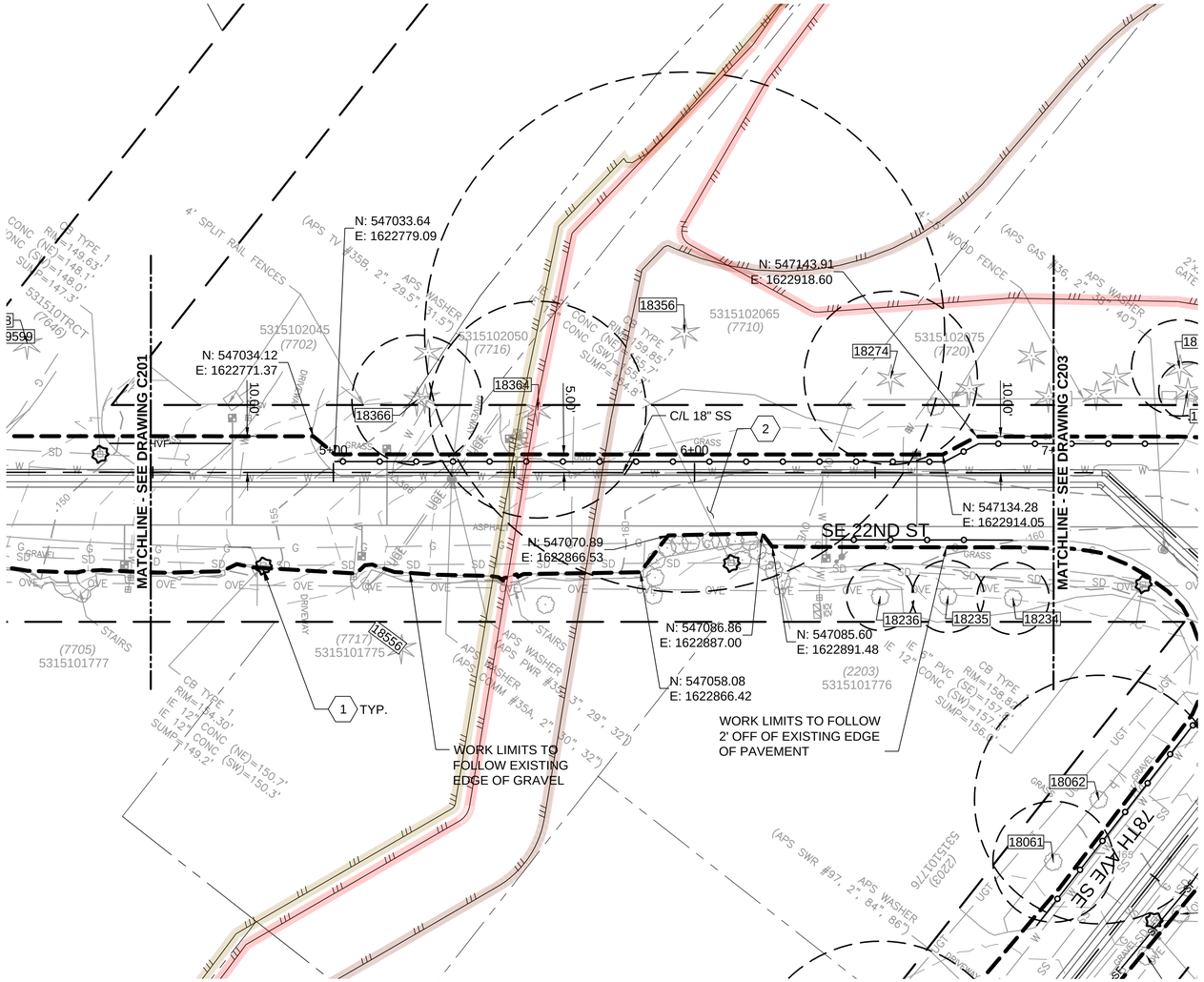
PLOTTED BY: D'Aurig, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T102.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

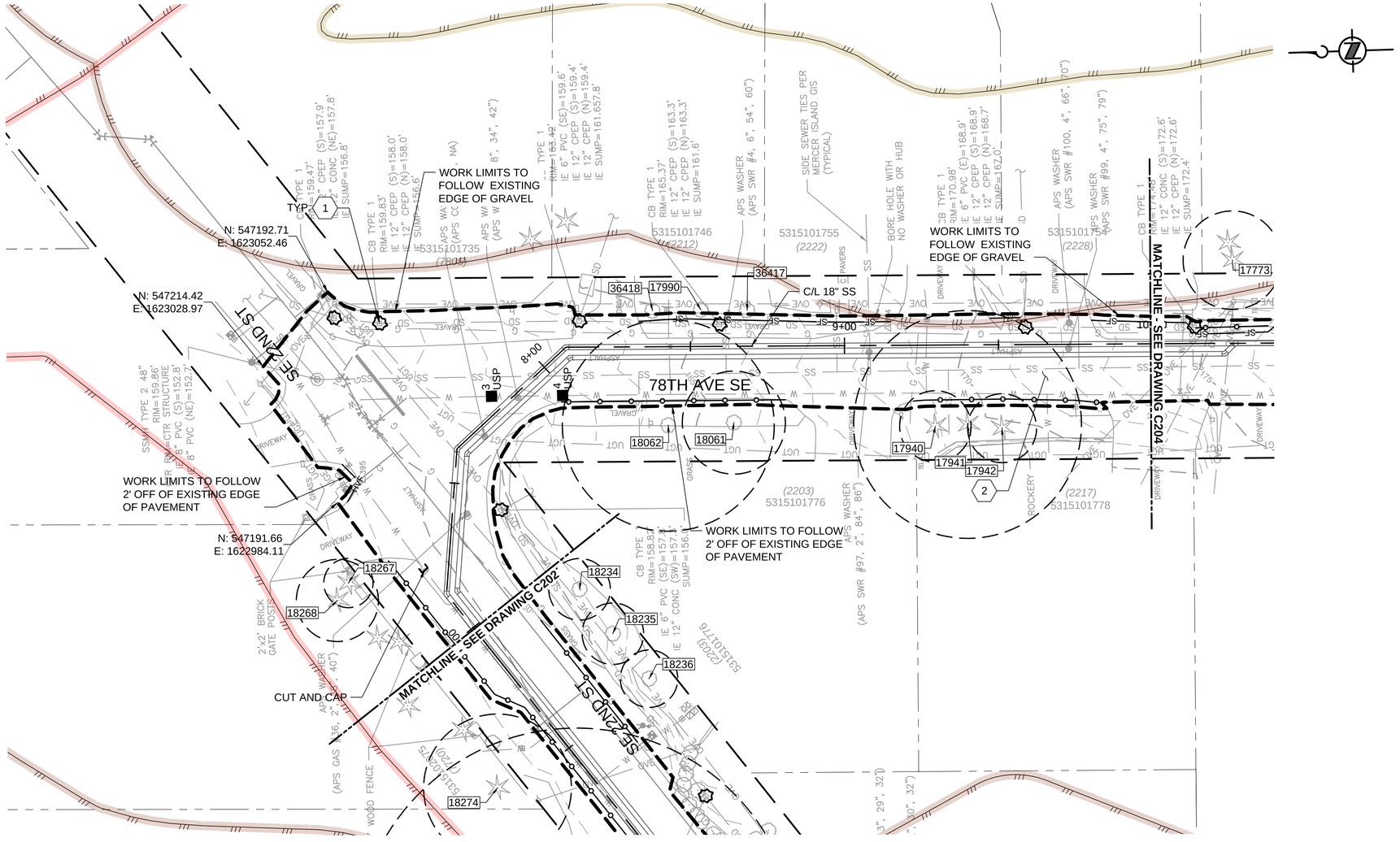
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 4+50 TO STA 7+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C202
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C202.dwg
PLOT DATE: 9/26/2019 9:02 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T102.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

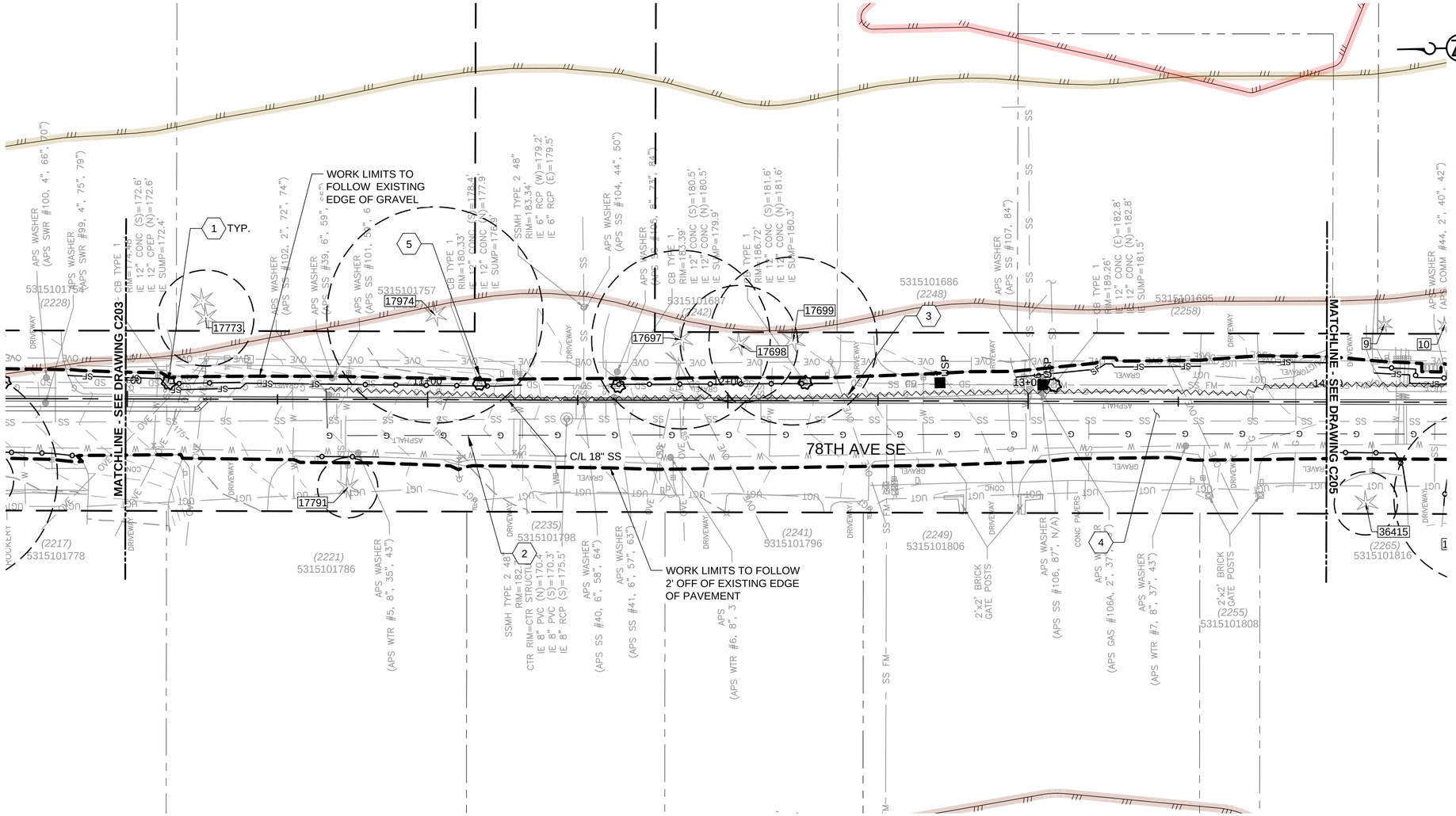
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 7+00 TO STA 10+00

DCN: TBD	
DATE:	
PROJECT FILE NO: TBD	
DRAWING NO: C203	
SHT NO / TOTAL: /	REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X6720D\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C203.dwg
PLOT DATE: 9/26/2019 9:04 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PROPOSED 2-INCH GAS LINE AND SERVICES TO BE RELOCATED IN ADVANCE OF CONSTRUCTION BY PSE. VERIFY LOCATION OF RELOCATED GAS LINE PRIOR TO CONSTRUCTION.
3. PARTIAL ROAD CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T102.
4. EXISTING STORMWATER LINE IS AN APPROVED LOCATION FOR AUTHORIZED DISCHARGES AS DEFINED IN THE SITE WATER DISCHARGE SPECIFICATION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

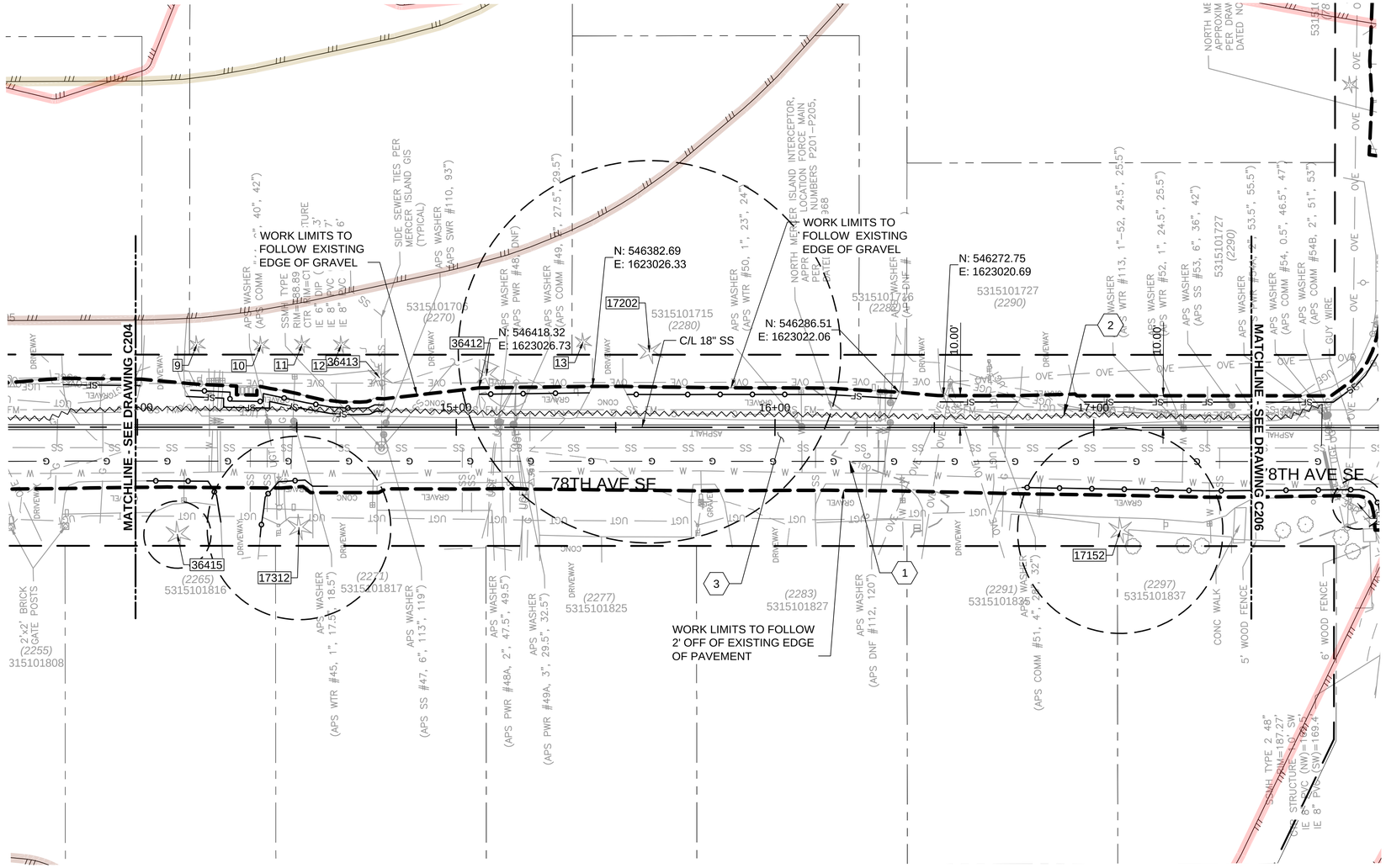
King County

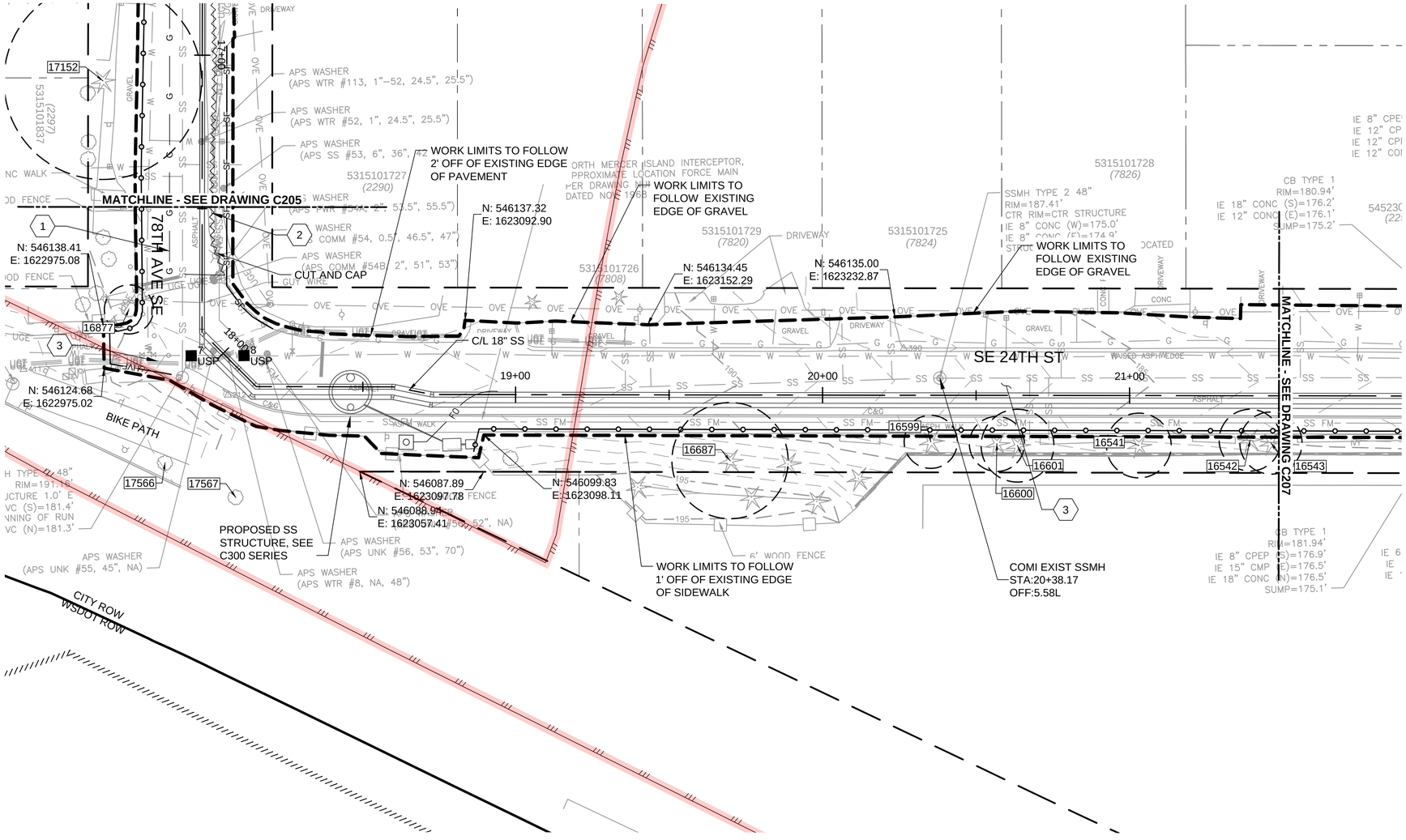
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 10+00 TO STA 14+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C204
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C204.dwg
PLOT DATE: 9/26/2019 9:06 AM
PLOTTED BY: D'Auria, Isaac


WORK LIMITS TO FOLLOW EXISTING EDGE OF GRAVEL
WORK LIMITS TO FOLLOW EXISTING EDGE OF GRAVEL
WORK LIMITS TO FOLLOW 2' OFF OF EXISTING EDGE OF PAVEMENT
N: 546382.69
E: 1623026.33
N: 546418.32
E: 1623026.73
N: 546286.51
E: 1623022.06
N: 546272.75
E: 1623020.69
17202
36412
36413
36415
17312
17152
C/L 18" SS
MATCHLINE - SEE DRAWING C204
MATCHLINE - SEE DRAWING C206
78TH AVE SE
78TH AVE SE
15+00
16+00
17+00
SIDE SEWER TIES PER MERCER ISLAND GIS (TYPICAL)
NORTH MERCER ISLAND INTERCEPTOR, APPROXIMATE LOCATION FORCE MAIN NUMBERS P201–P205, 368
NORTH MERCER ISLAND INTERCEPTOR, APPROXIMATE LOCATION PER DRAWING DATED NOV 1962
5315101708 (2270)
5315101715 (2280)
5315101716 (2282)
5315101727 (2290)
5315101727 (2290)
5315101816 (2265)
5315101817 (2271)
5315101825 (2277)
5315101827 (2283)
5315101835 (2291)
5315101837 (2297)
315101808 (2255)
2'x2' BRICK GATE POSTS
5' WOOD FENCE
6' WOOD FENCE
CONC WALK
GUY WIRE
STRUCTURE 1 SW
STRUCTURE 1 SW
STRUCTURE 1 SW



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

KEY NOTES:

1. PROPOSED 2-INCH GAS LINE AND SERVICES TO BE RELOCATED IN ADVANCE OF CONSTRUCTION BY PSE. VERIFY LOCATION OF RELOCATED GAS LINE PRIOR TO CONSTRUCTION.
2. PARTIAL ROAD CLOSURE AND SIDEWALK CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T102.
3. LOCATION OF PROPOSED FUTURE SOUND TRANSIT CONDUIT BANK ARE NOT SURVEYED AND LOCATED SCHEMATICALLY. CONTRACTOR TO REVIEW RECORD DRAWINGS AND FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

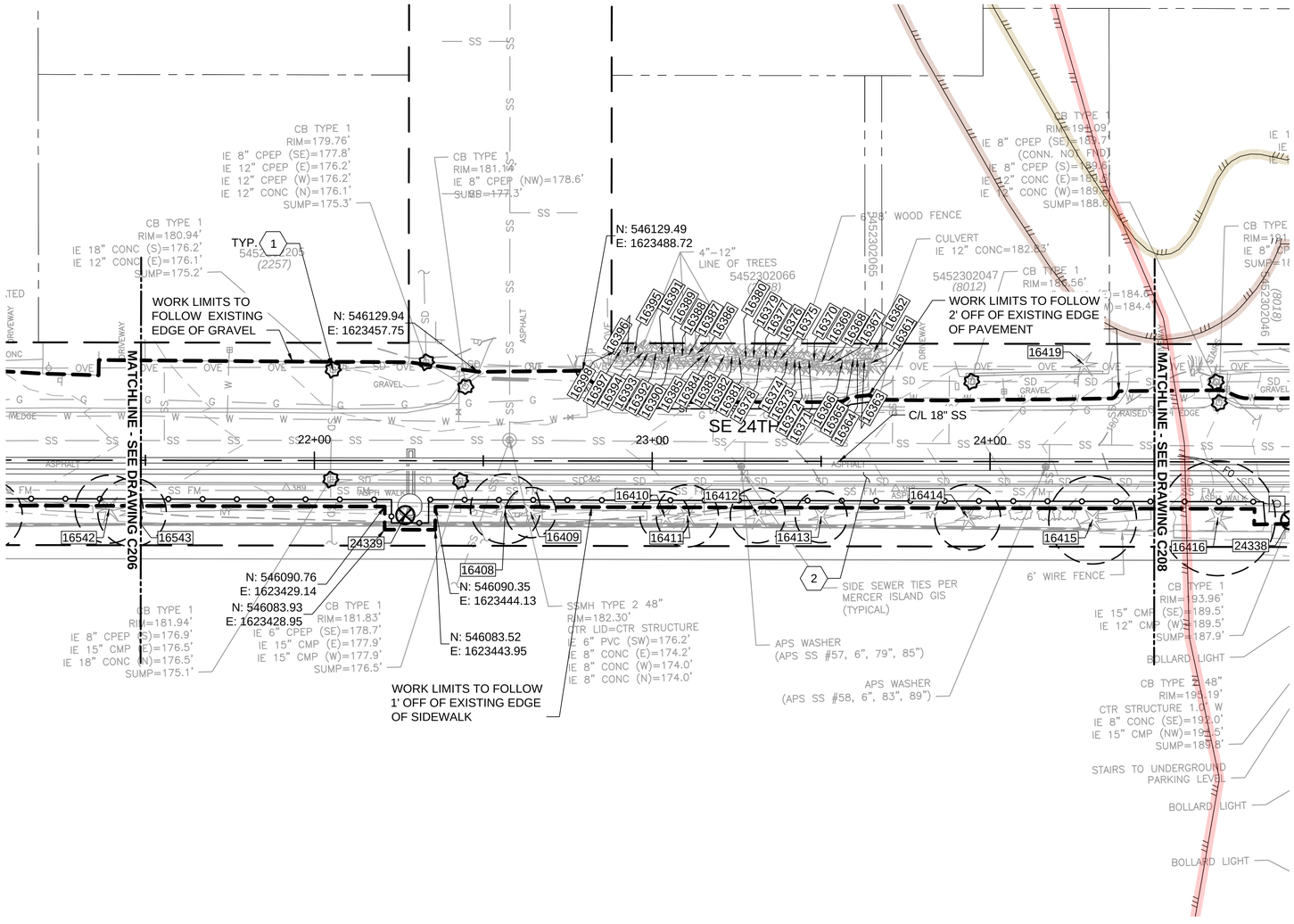
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 17+50 TO STA 21+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C206
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C206.dwg
PLOT DATE: 9/26/2019 9:10 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE AND SIDEWALK CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T102.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

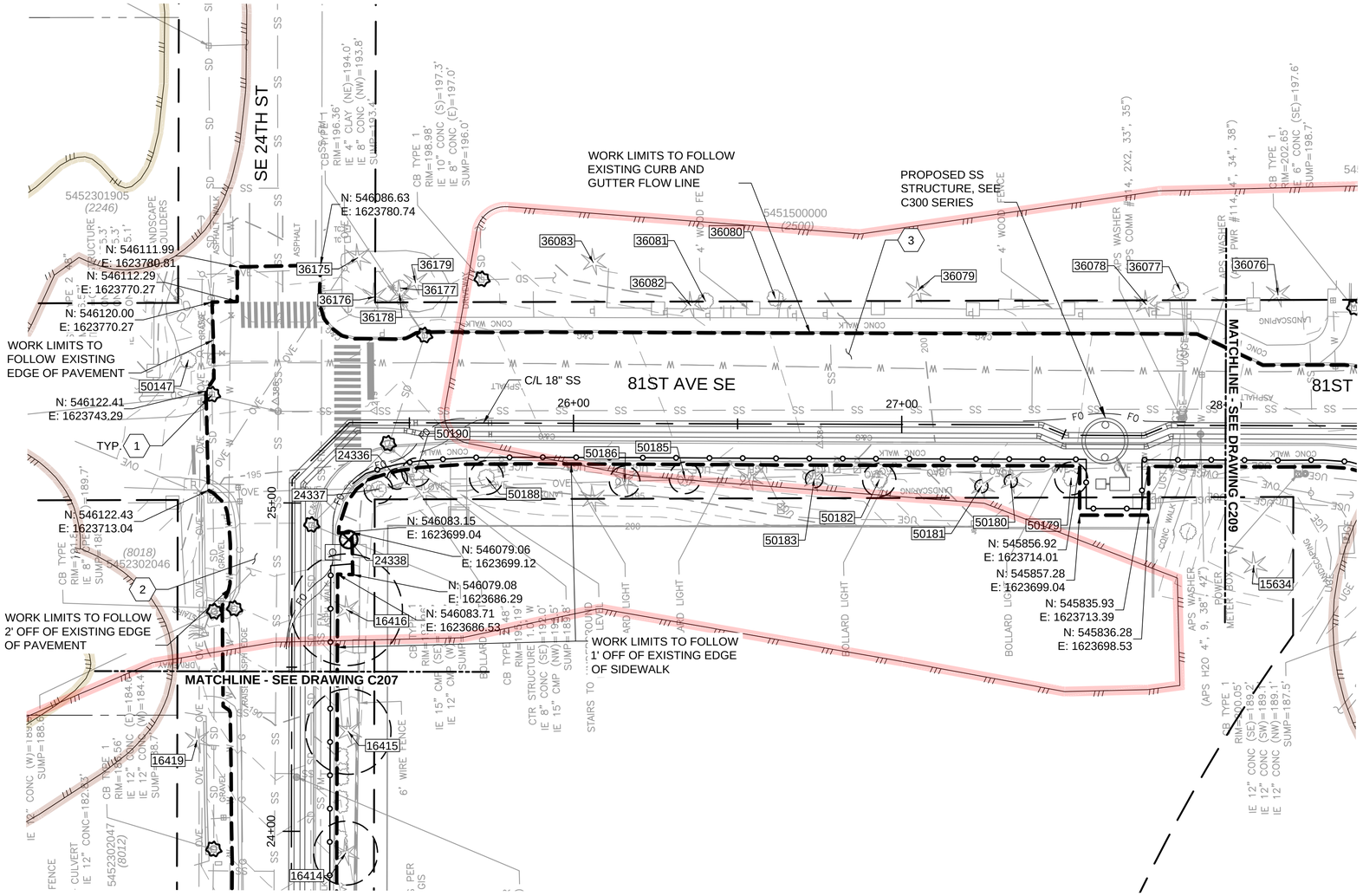
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 21+50 TO STA 24+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C207
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C207.dwg
PLOT DATE: 9/26/2019 9:12 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE AND SIDEWALK CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T102.
3. PARTIAL ROAD CLOSURE AND SIDEWALK CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T103.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

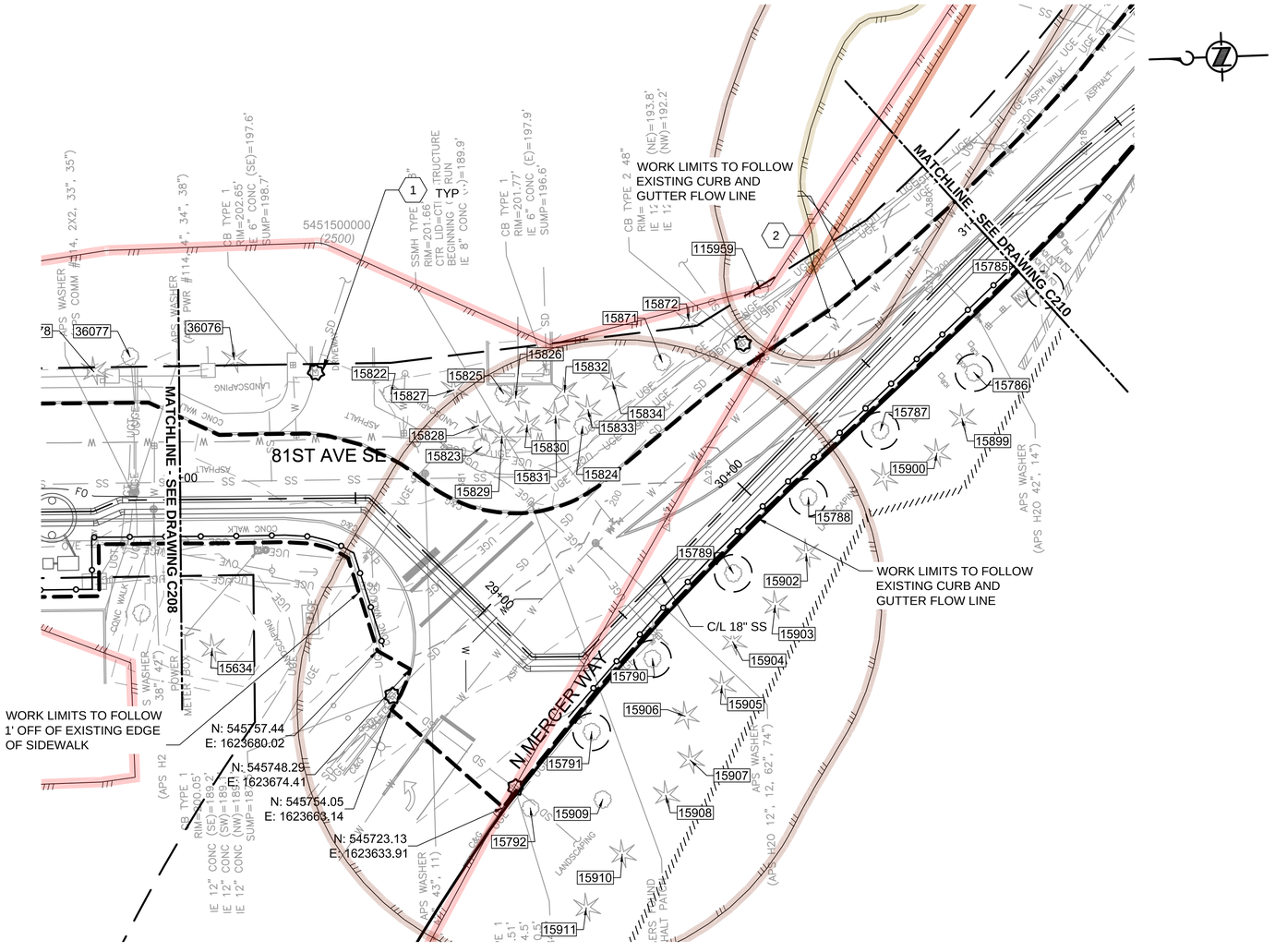
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NMPS FORCE MAIN SITE PREPARATION STA 24+50 TO STA 28+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C208
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C208.dwg
PLOT DATE: 9/26/2019 9:14 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. FULL ROAD CLOSURE AND SIDEWALK CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T103.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

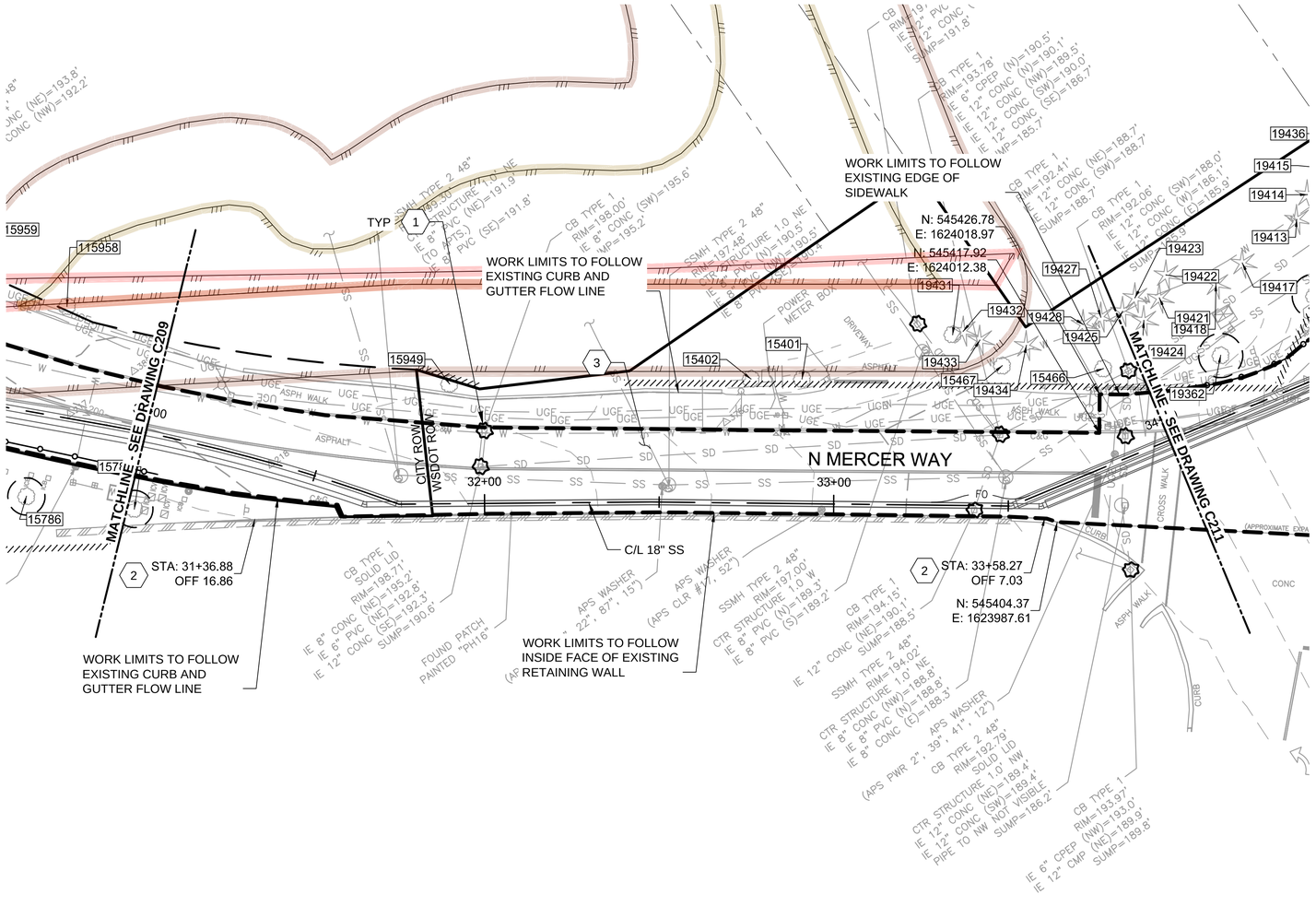
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 28+00 TO STA 31+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C209
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C209.dwg
PLOT DATE: 9/26/2019 9:16 AM
PLOTTED BY:D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. LOCATE BURIED FACE OF RETAINING WALL TO A DEPTH OF 2 FT BELOW EXCAVATION EVERY 20 FT BETWEEN THE TWO STATION OFFSET POINTS PRIOR TO SSFM CONSTRUCTION.
3. FULL ROAD CLOSURE AND SIDEWALK CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T103, T104, AND T105.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 31+00 TO STA 34+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C210
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C210.dwg
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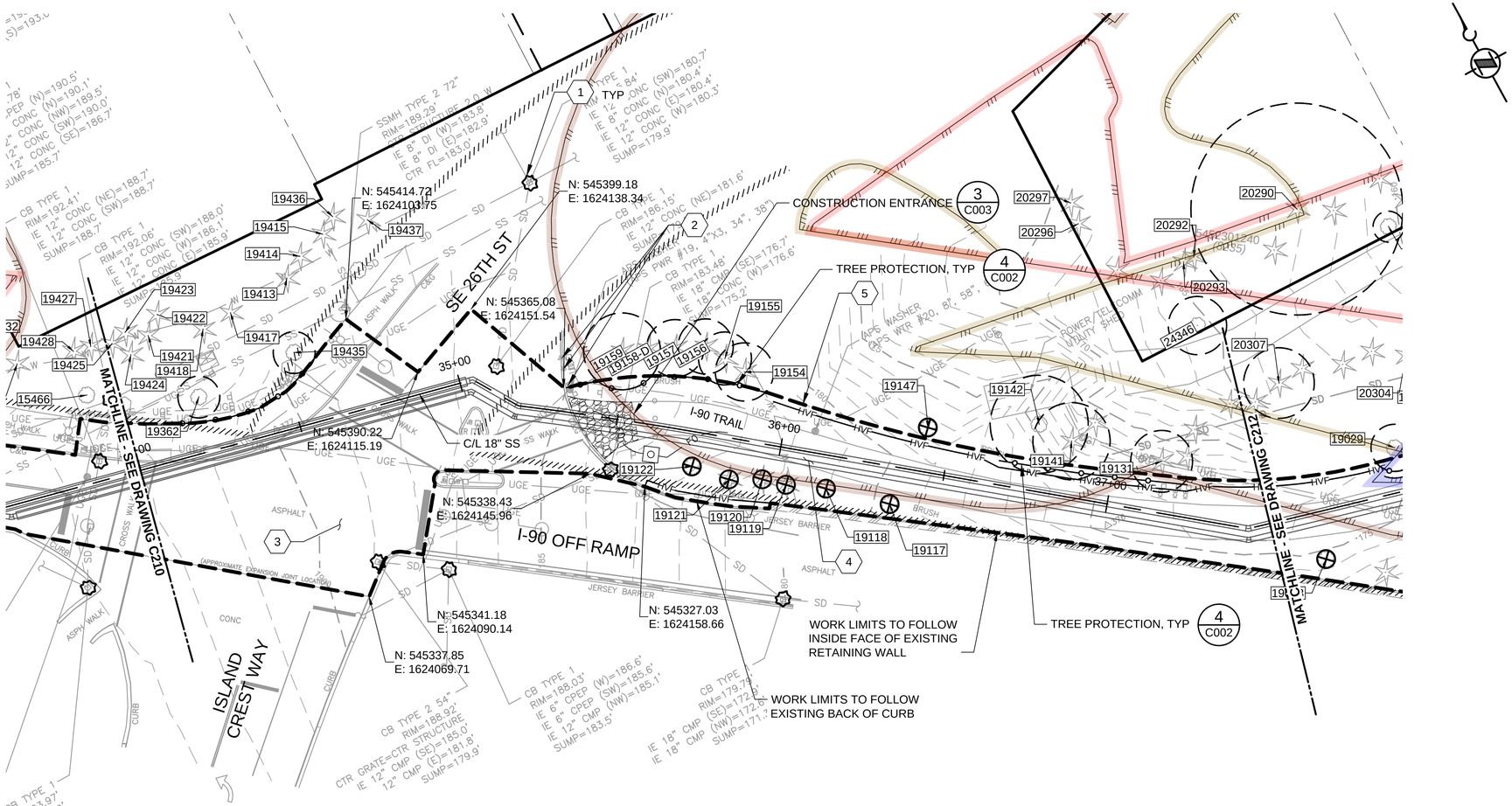
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PROTECT JB IN PLACE.
3. FULL ROAD CLOSURE AND SIDEWALK CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T103, T104, AND T105.
4. I-90 TRAIL CLOSURE FROM STA 35+00 TO STA 61+00. SEE TRAIL DETOUR ON DRAWING T109.
5. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

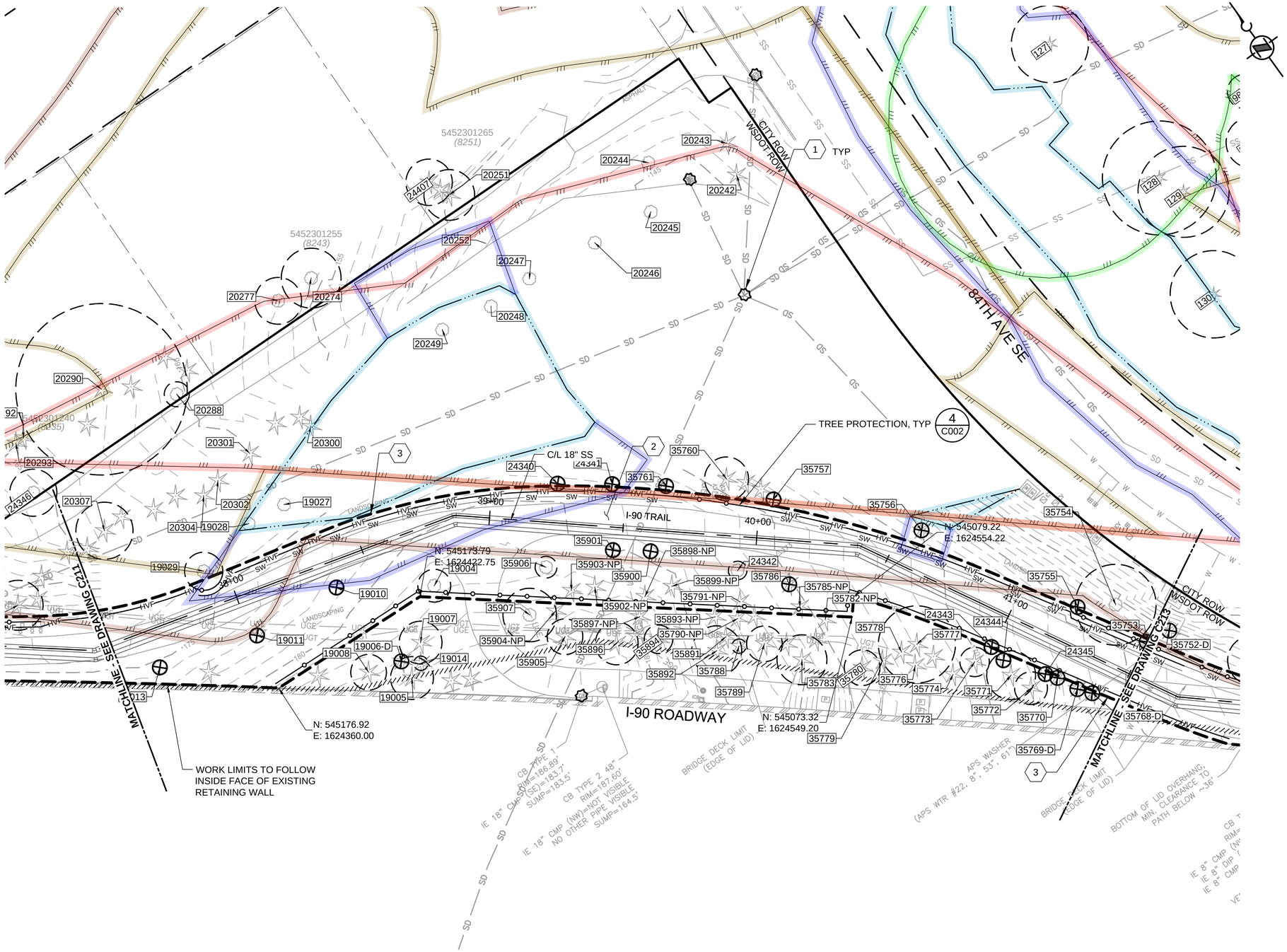
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 34+00 TO STA 37+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C211
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C211.dwg
PLOT DATE: 9/26/2019 9:19 AM
PLOTTED BY:D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 35+00 TO STA 61+00. SEE TRAIL DETOUR ON DRAWING T109.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

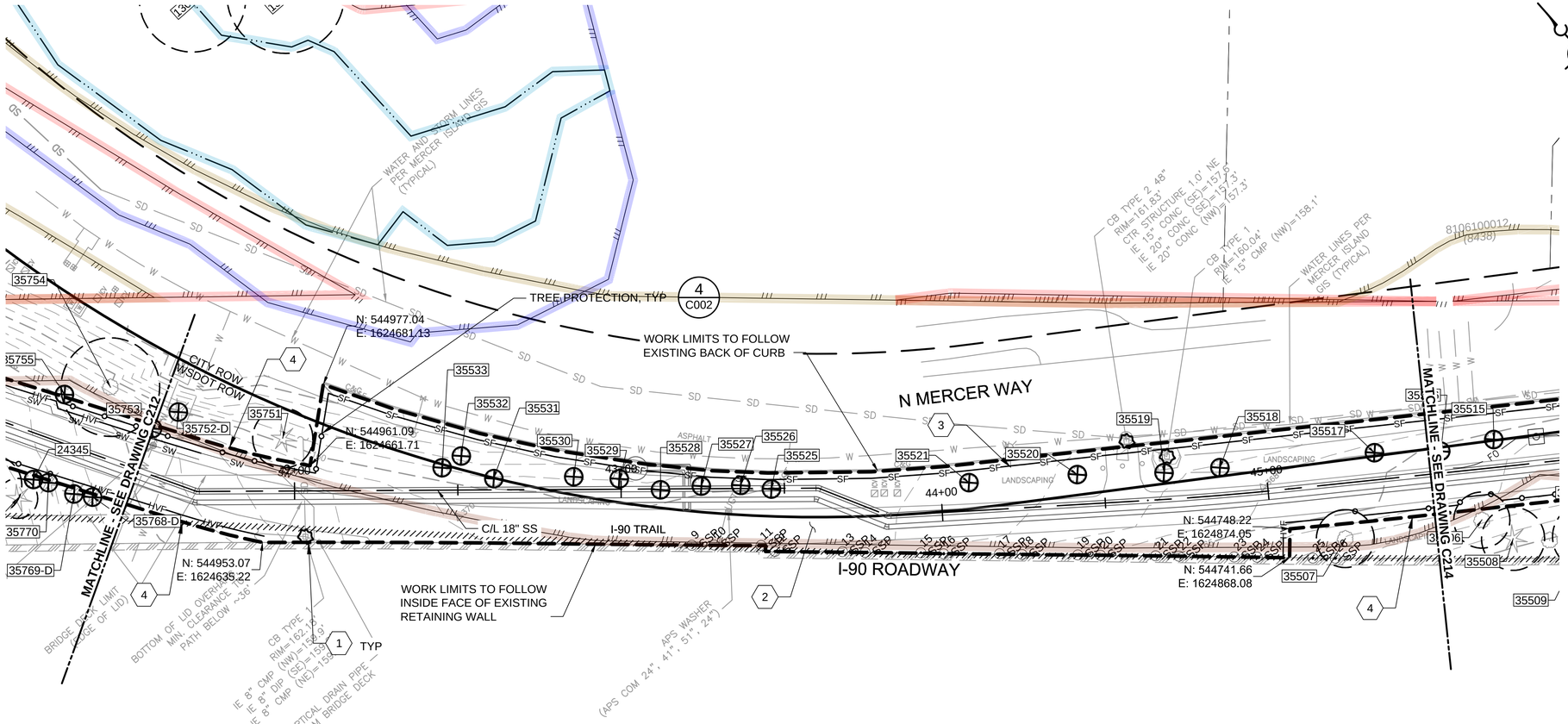
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 37+50 TO STA 41+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C212
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13_PIPE_C212.dwg
PLOT DATE: 9/26/2019 9:21 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 35+00 TO STA 61+00. SEE TRAIL DETOUR ON DRAWING T109.
3. PROTECT EXIST ILLUMINATION POLE IN PLACE.
4. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

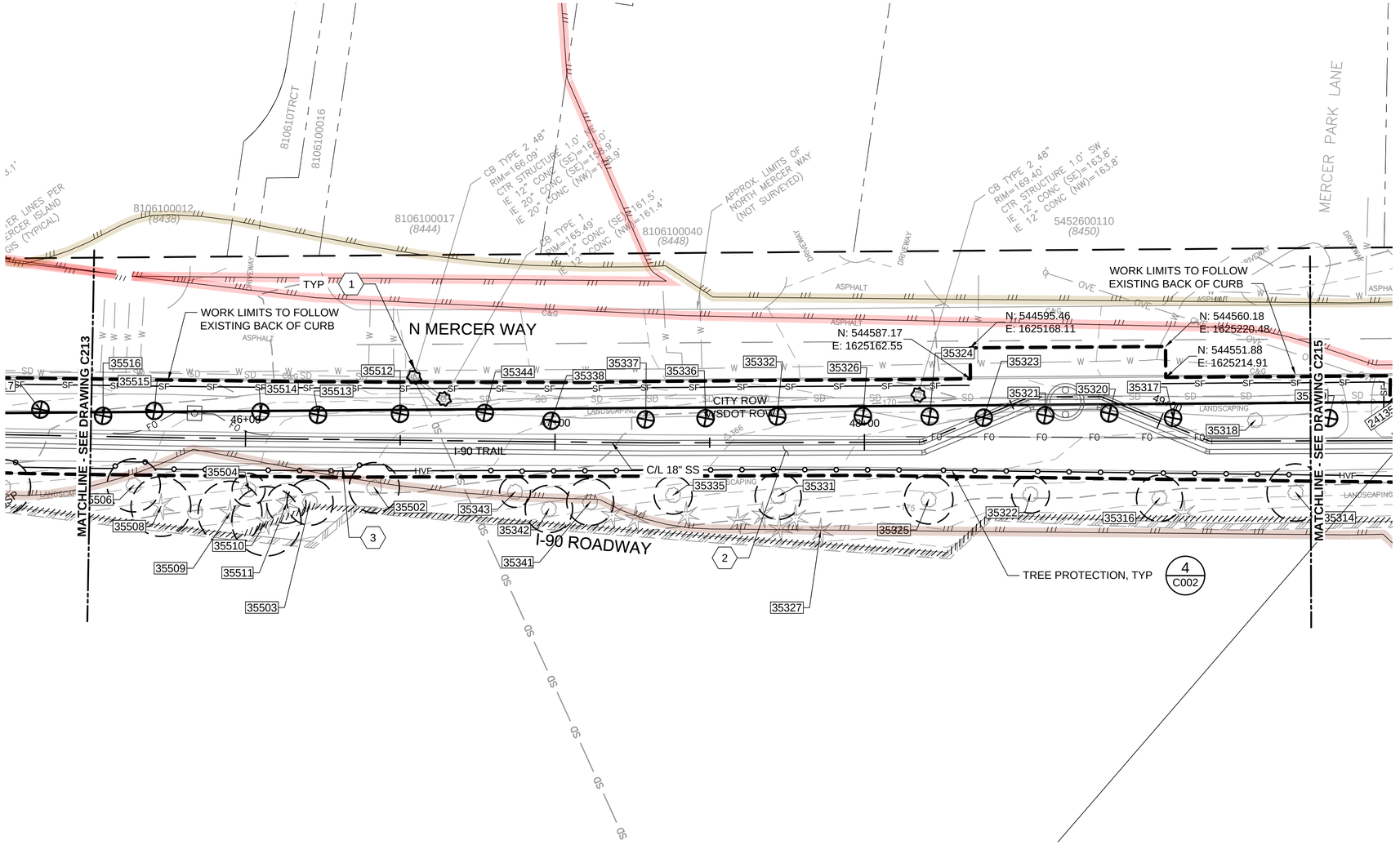
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 41+50 TO STA 45+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C213
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C213.dwg
PLOT DATE: 9/26/2019 9:23 AM
PLOTTED BY:D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
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6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 35+00 TO STA 61+00. SEE TRAIL DETOUR ON DRAWING T109.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

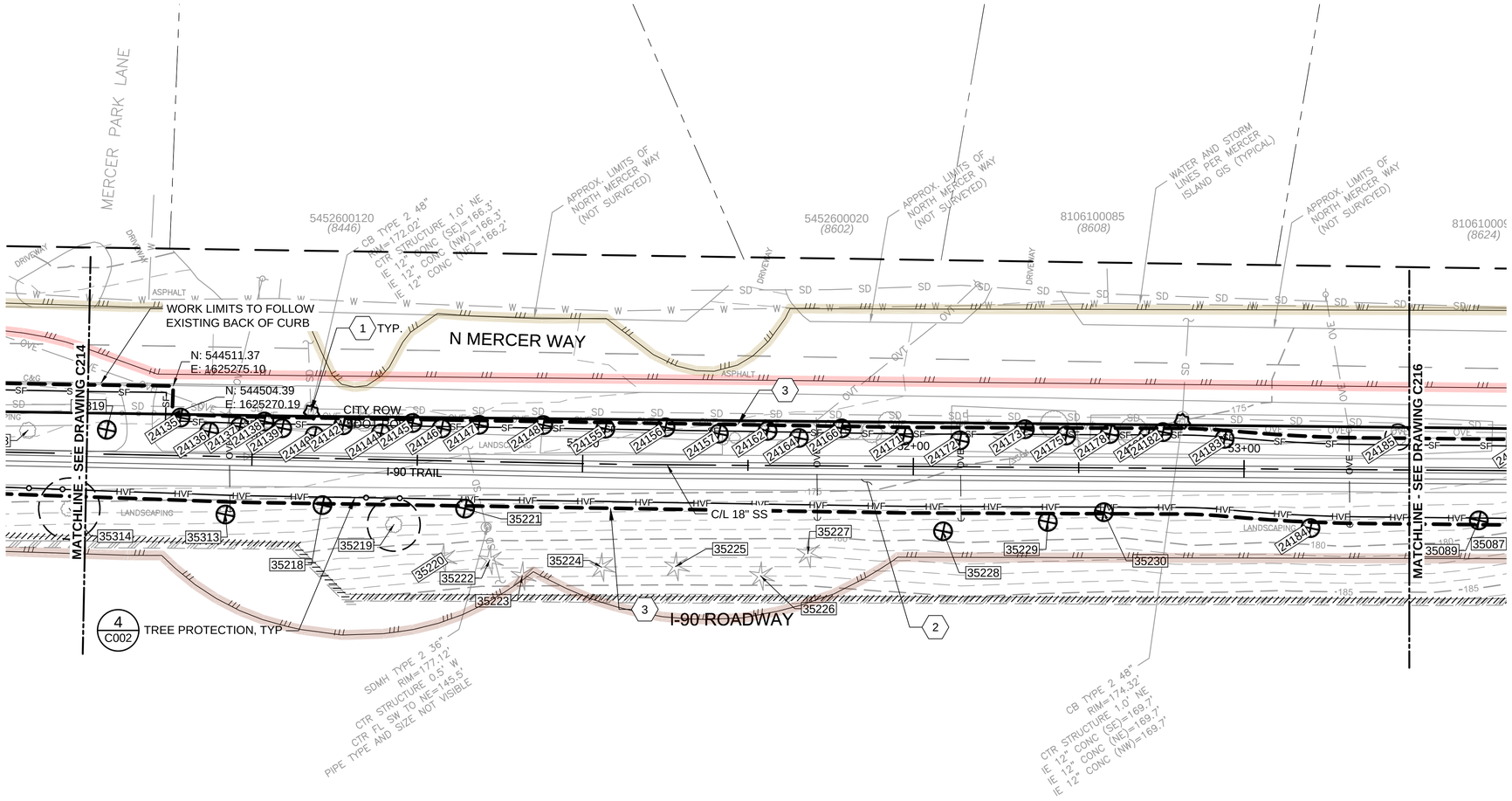
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NMPS FORCE MAIN SITE PREPARATION STA 45+50 TO STA 49+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C214
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C214.dwg
PLOT DATE: 9/26/2019 9:25 AM
PLOTTED BY: Aurio Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
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7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 35+00 TO STA 61+00. SEE TRAIL DETOUR ON DRAWING T109.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

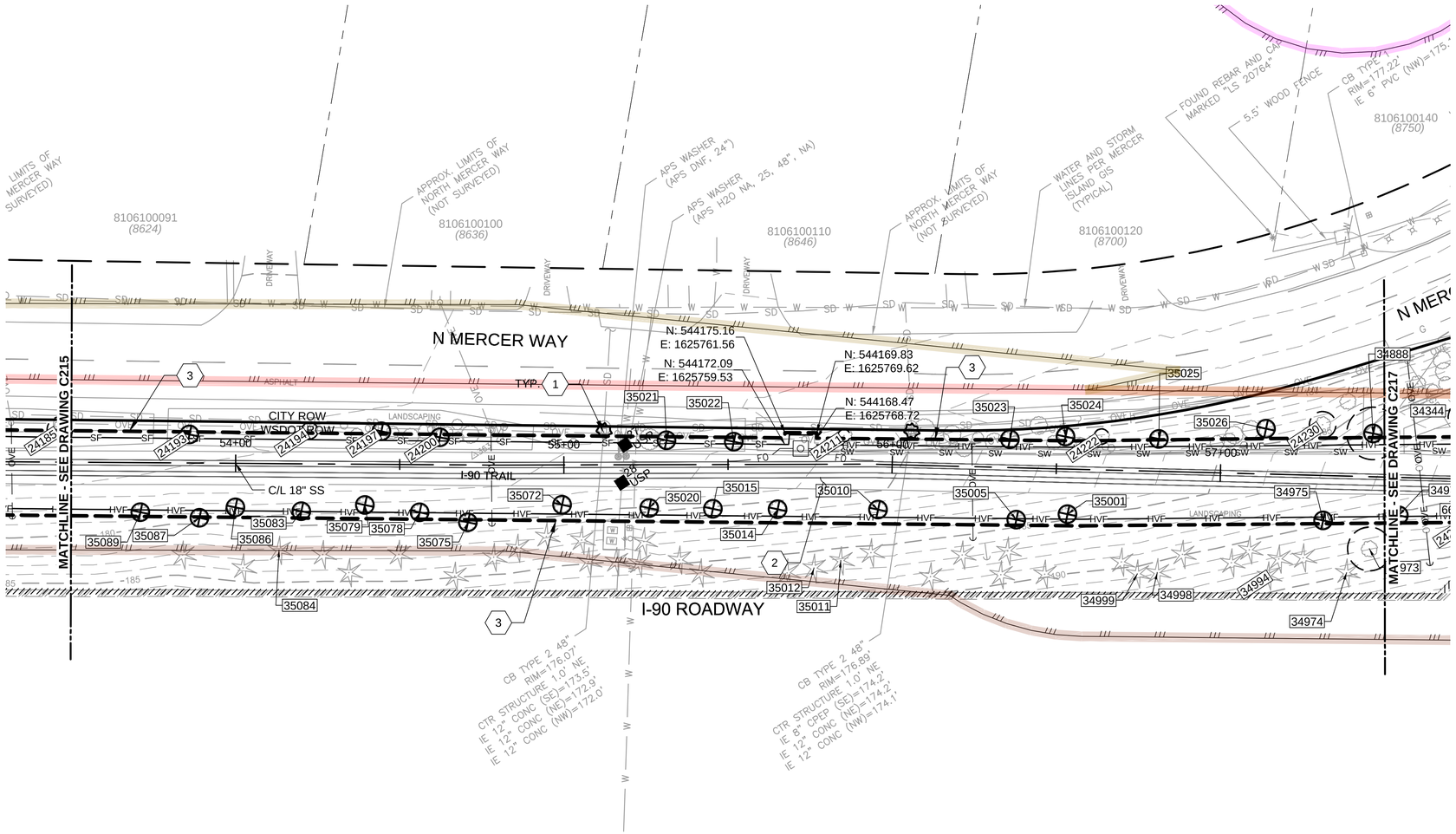
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 49+50 TO STA 53+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C215
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13_PIPE_C215.dwg
PLOT DATE: 9/26/2019 9:27 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
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7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 35+00 TO STA 61+00. SEE TRAIL DETOUR ON DRAWING T109.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

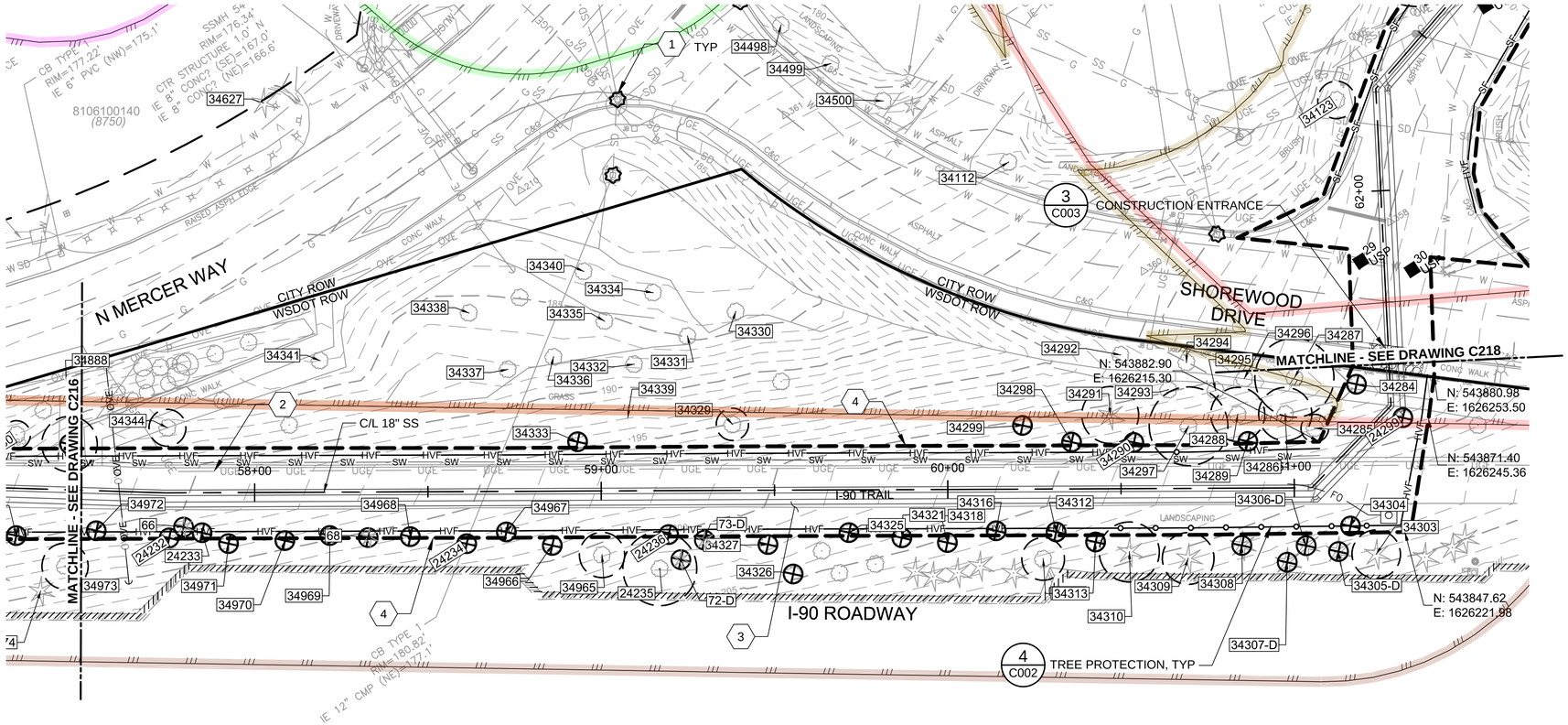
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 53+50 TO STA 57+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C216
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C216.dwg
PLOT DATE: 9/26/2019 9:29 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. LOCATION OF UGE, AND FEATURES ARE NOT SURVEYED. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
3. I-90 TRAIL CLOSURE FROM STA 35+00 TO STA 61+00. SEE TRAIL DETOUR ON DRAWING T109.
4. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

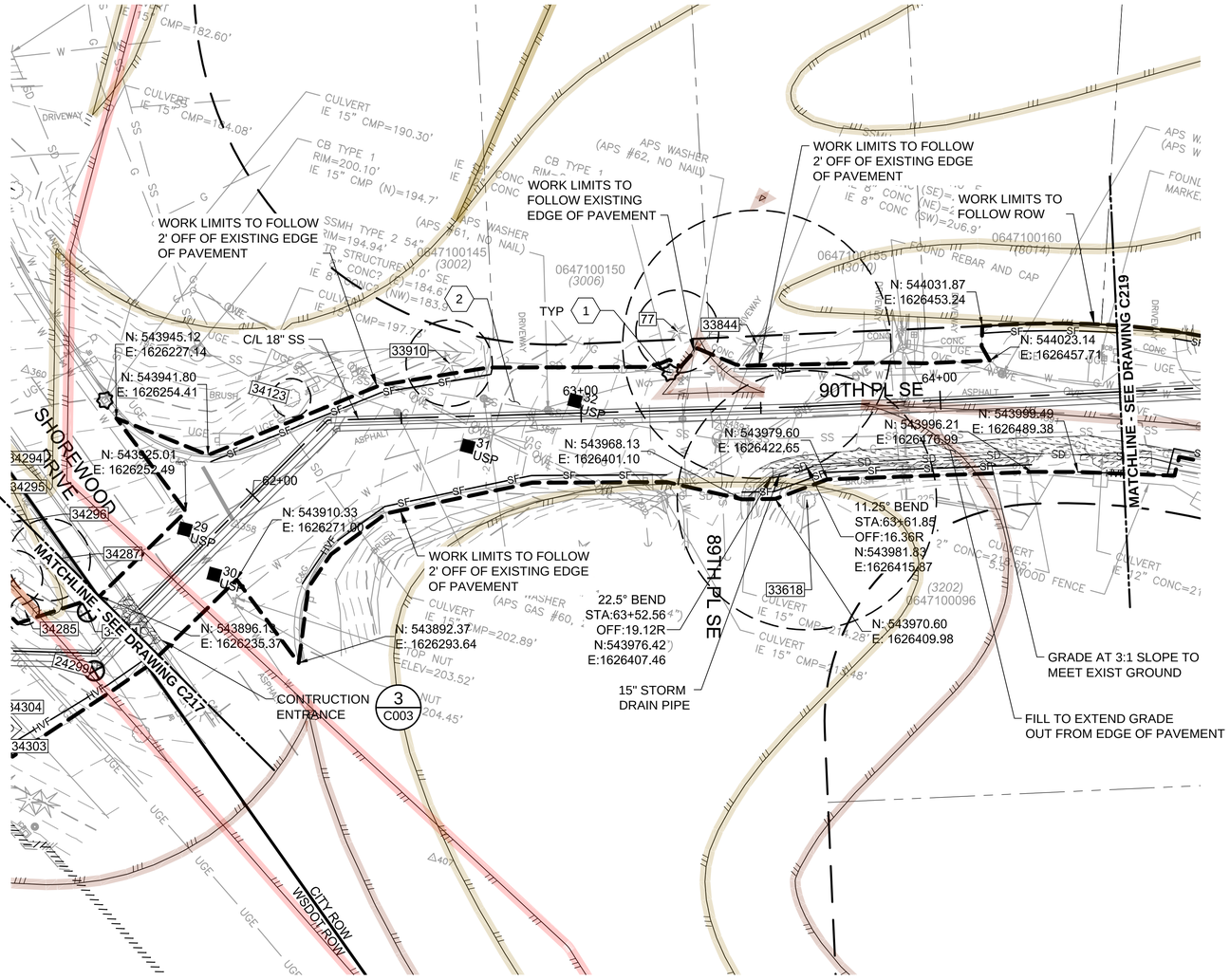
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 57+50 TO STA 61+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C217
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\conduse Permit Drawings\Conveyance\E00306E13-PIPE-C217.dwg
PLOT DATE: 9/26/2019 9:31 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. ALL WATER SERVICES SHALL BE RE-CONNECTED IN ACCORDANCE WITH THE CITY OF MERCER ISLAND'S STANDARD WATER DETAILS. THESE INCLUDE W-13, W-14, W-14A, W-15, AND DRAWINGS REFERENCED THEREIN.
6. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.
8. CONTRACTOR TO USE WATTLES / COMPOST SOCKS AT DRIVEWAYS TO NORTHERN SIDE PROPERTIES DURING CONSTRUCTION TO MINIMIZE SURFACE RUNOFF IMPACTS.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T111.

NOTE TO REVIEWER:

1. 'THE CITY OF MERCER ISLAND HAVE PROVIDED PERMANENT STORM DRAIN INFRASTRUCTURE LAYOUTS ON 90TH PLACE WHICH ARE TO BE FURTHER REVIEWED AND INCORPORATED IN 100%'.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

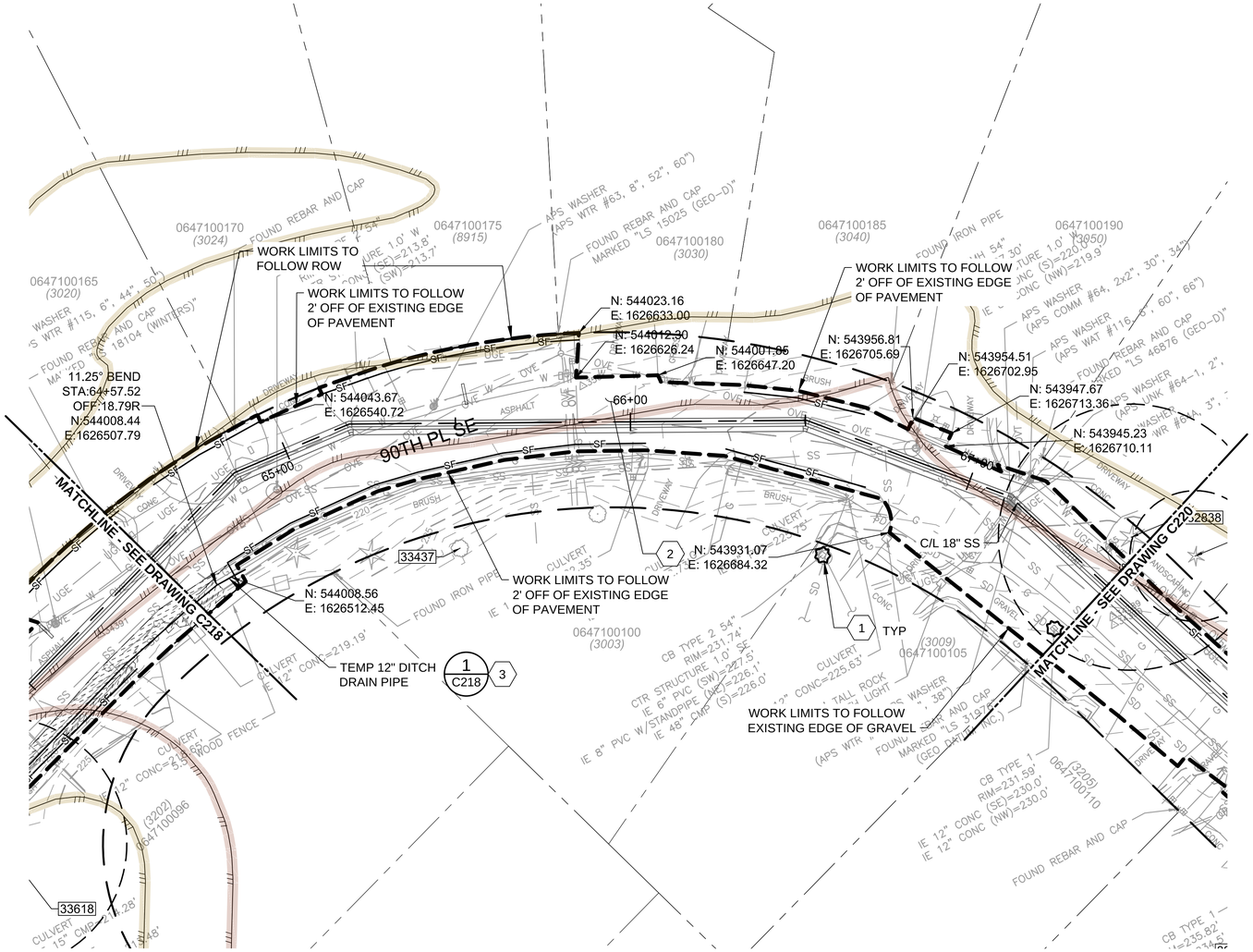
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 61+50 TO STA 64+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C218
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C218.dwg
PLOT DATE: 9/26/2019 9:33 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. ALL SIDE SEWERS SHALL BE RE-CONNECTED IN ACCORDANCE WITH THE CITY OF MERCER ISLAND'S STANDARD SEWER DETAILS. THESE INCLUDE S-17, S-20 AND S-22, S-22A, AND DRAWINGS REFERENCED THEREIN.
6. ALL WATER SERVICES SHALL BE RE-CONNECTED IN ACCORDANCE WITH THE CITY OF MERCER ISLAND'S STANDARD WATER DETAILS. THESE INCLUDE W-13, W-14, W-14A, W-15, AND DRAWINGS REFERENCED THEREIN.
7. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
8. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.
9. CONTRACTOR TO USE WATTLES / COMPOST SOCKS AT DRIVEWAYS TO NORTHERN SIDE PROPERTIES DURING CONSTRUCTION TO MINIMIZE SURFACE RUNOFF IMPACTS.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T111.

NOTE TO REVIEWER:

1. 'THE CITY OF MERCER ISLAND HAVE PROVIDED PERMANENT STORM DRAIN INFRASTRUCTURE LAYOUTS ON 90TH PLACE WHICH ARE TO BE FURTHER REVIEWED AND INCORPORATED IN 100%'.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

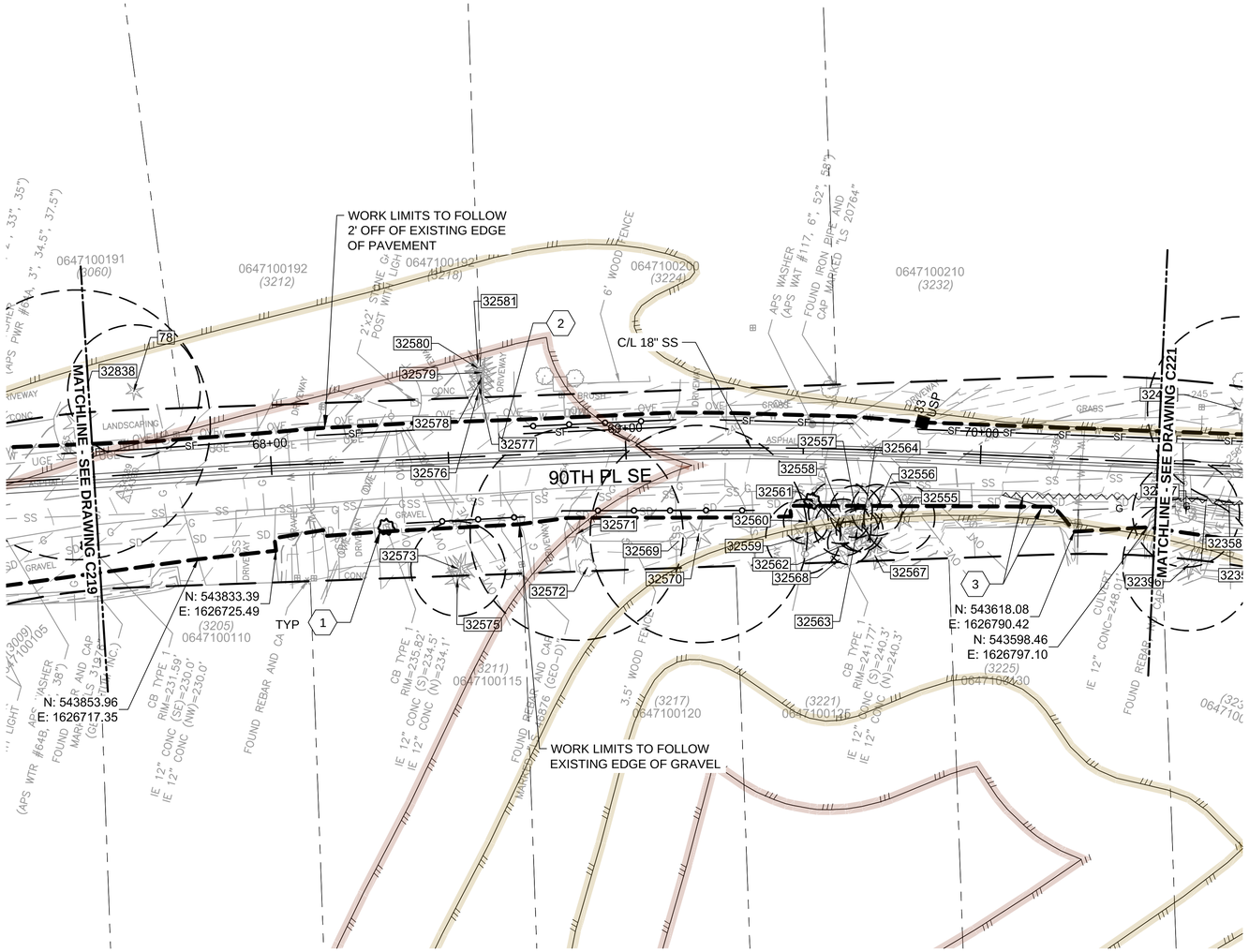
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 64+50 TO STA 67+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C219
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C219.dwg
PLOT DATE: 9/26/2019 9:35 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. ALL SIDE SEWERS SHALL BE RE-CONNECTED IN ACCORDANCE WITH THE CITY OF MERCER ISLAND'S STANDARD SEWER DETAILS. THESE INCLUDE S-17, S-20 AND S-22, S-22A, AND DRAWINGS REFERENCED THEREIN.
6. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
7. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.
8. CONTRACTOR TO USE WATTLES / COMPOST SOCKS AT DRIVEWAYS TO NORTHERN SIDE PROPERTIES DURING CONSTRUCTION TO MINIMIZE SURFACE RUNOFF IMPACTS.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. PARTIAL ROAD CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T111.
3. PROPOSED 2-INCH GAS LINE AND SERVICES TO BE RELOCATED IN ADVANCE OF CONSTRUCTION BY PSE. VERIFY LOCATION OF RELOCATED GAS LINE PRIOR TO CONSTRUCTION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

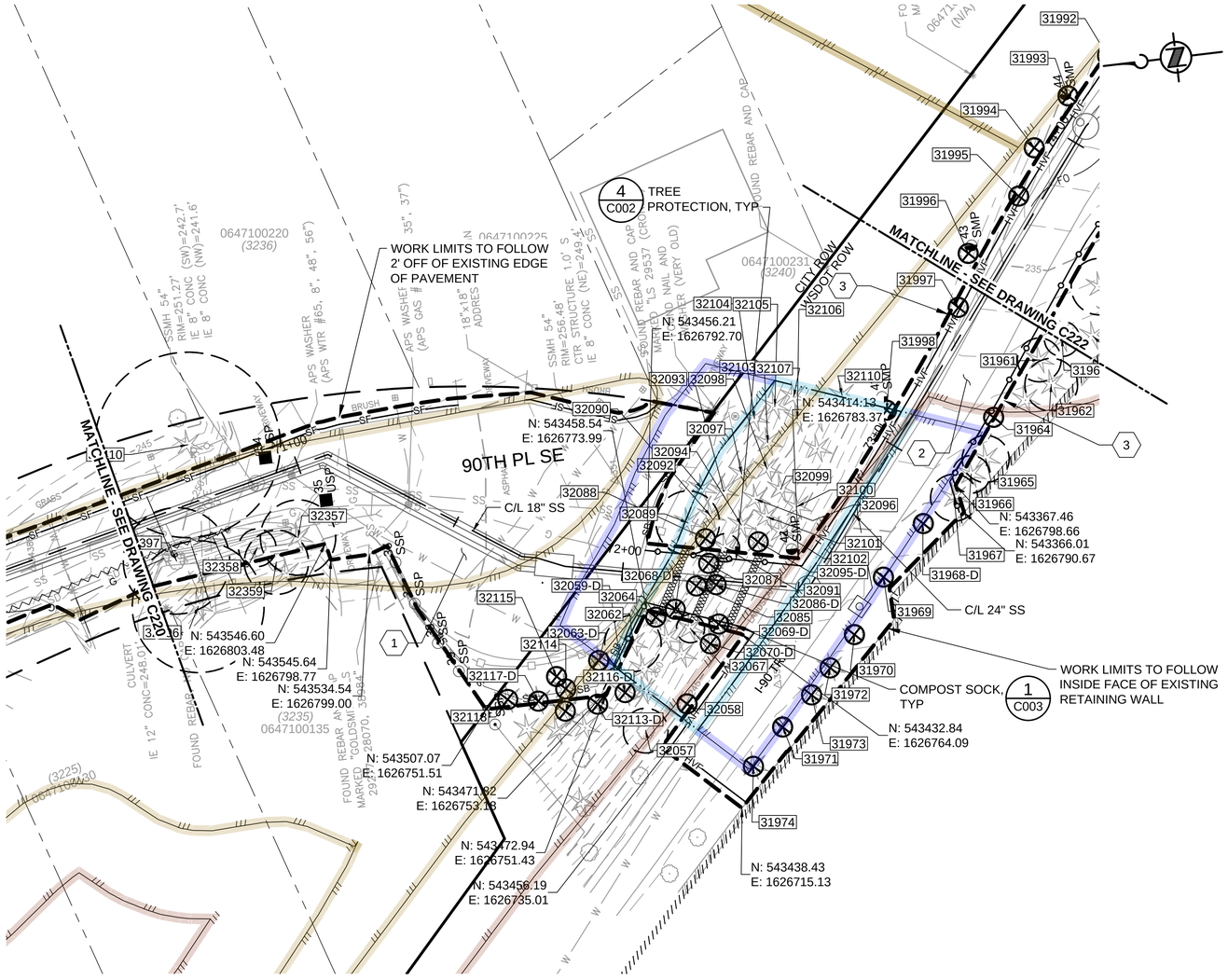
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 67+50 TO STA 70+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C220
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C220.dwg
PLOT DATE: 9/26/2019 9:37 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
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7. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
8. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
9. THE PROPOSED FORCE MAINS AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.
10. CONTRACTOR TO USE WATTLES / COMPOST SOCKS AT DRIVEWAYS TO NORTHERN SIDE PROPERTIES DURING CONSTRUCTION TO MINIMIZE SURFACE RUNOFF IMPACTS.

KEY NOTES:

1. PARTIAL ROAD CLOSURE. SEE TRAFFIC DETOUR ON DRAWING T111.
2. I-90 TRAIL CLOSURE FROM STA 72+00 TO STA 87+00. SEE TRAIL DETOUR ON DRAWING T110.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

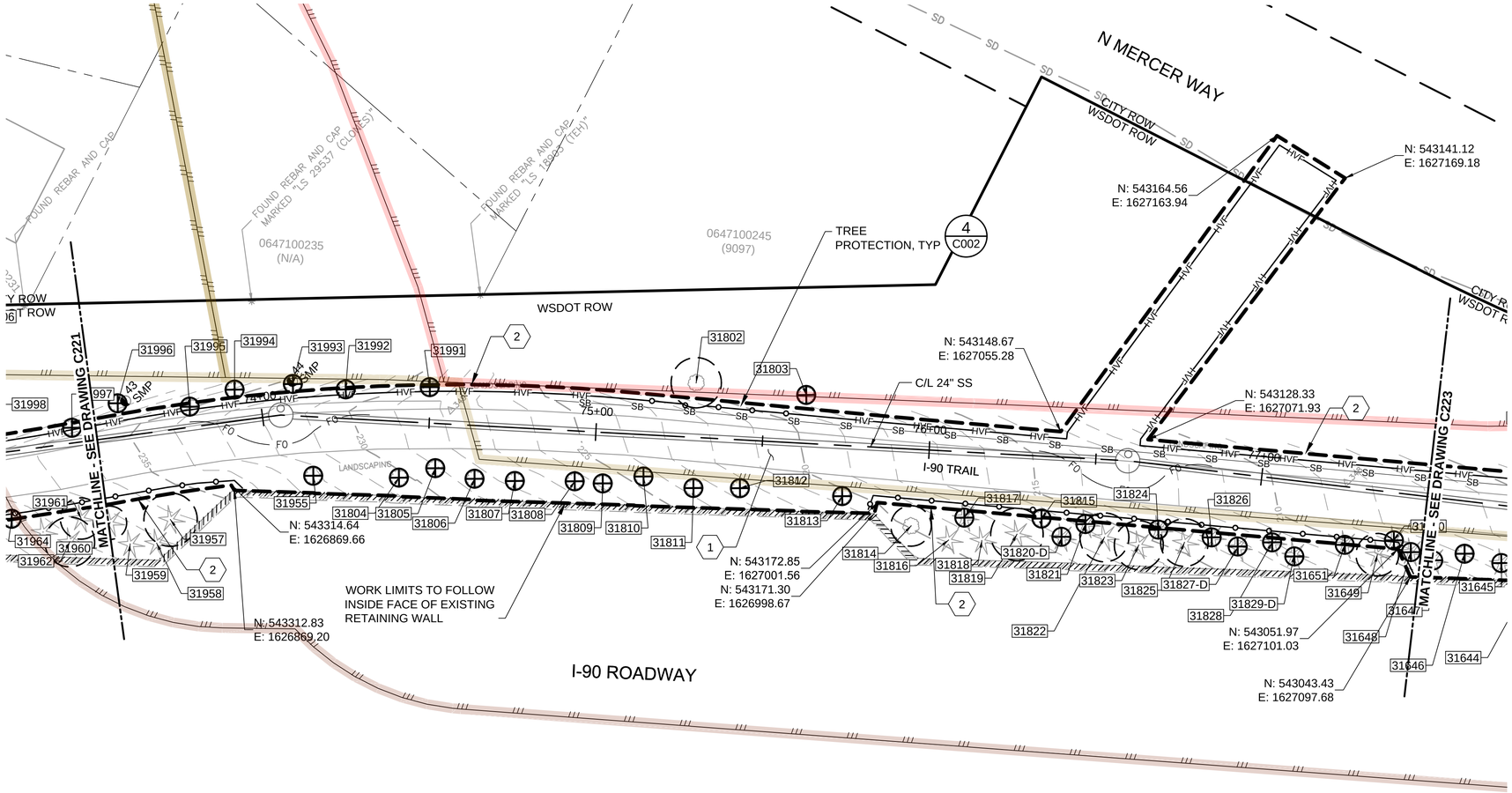
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE PREPARATION STA 70+50 TO STA 73+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C221
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C221.dwg
PLOT DATE: 9/26/2019 9:39 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
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5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED GRAVITY SEWER MAIN AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. I-90 TRAIL CLOSURE FROM STA 72+00 TO STA 87+00. SEE TRAIL DETOUR ON DRAWING T110.
2. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

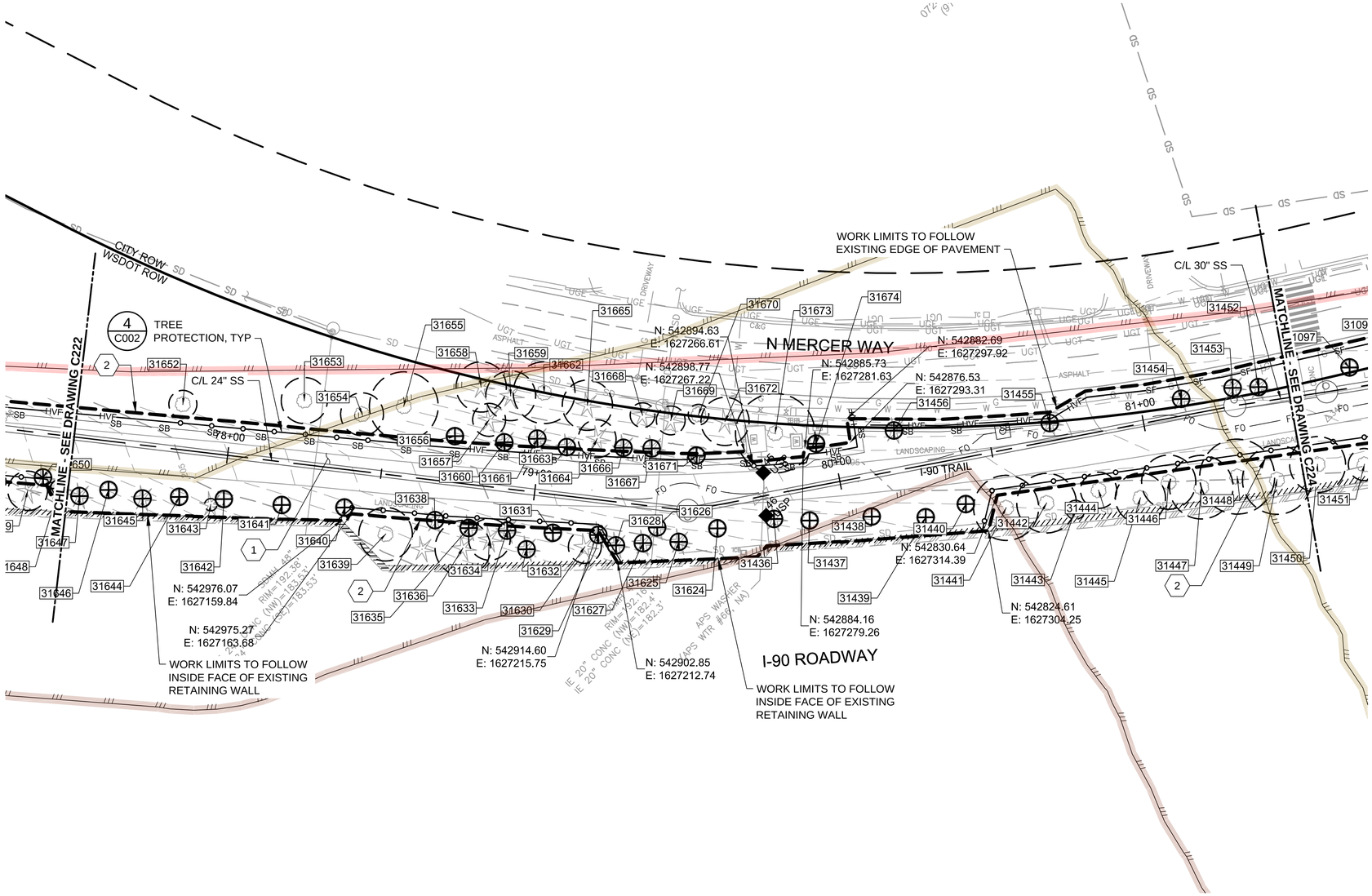
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE PREPARATION STA 73+50 TO STA 77+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C222
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C222.dwg
PLOT DATE: 9/26/2019 9:41 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED GRAVITY SEWER MAIN AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

KEY NOTES:

1. I-90 TRAIL CLOSURE FROM STA 72+00 TO STA 87+00. SEE TRAIL DETOUR ON DRAWING T110.
2. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

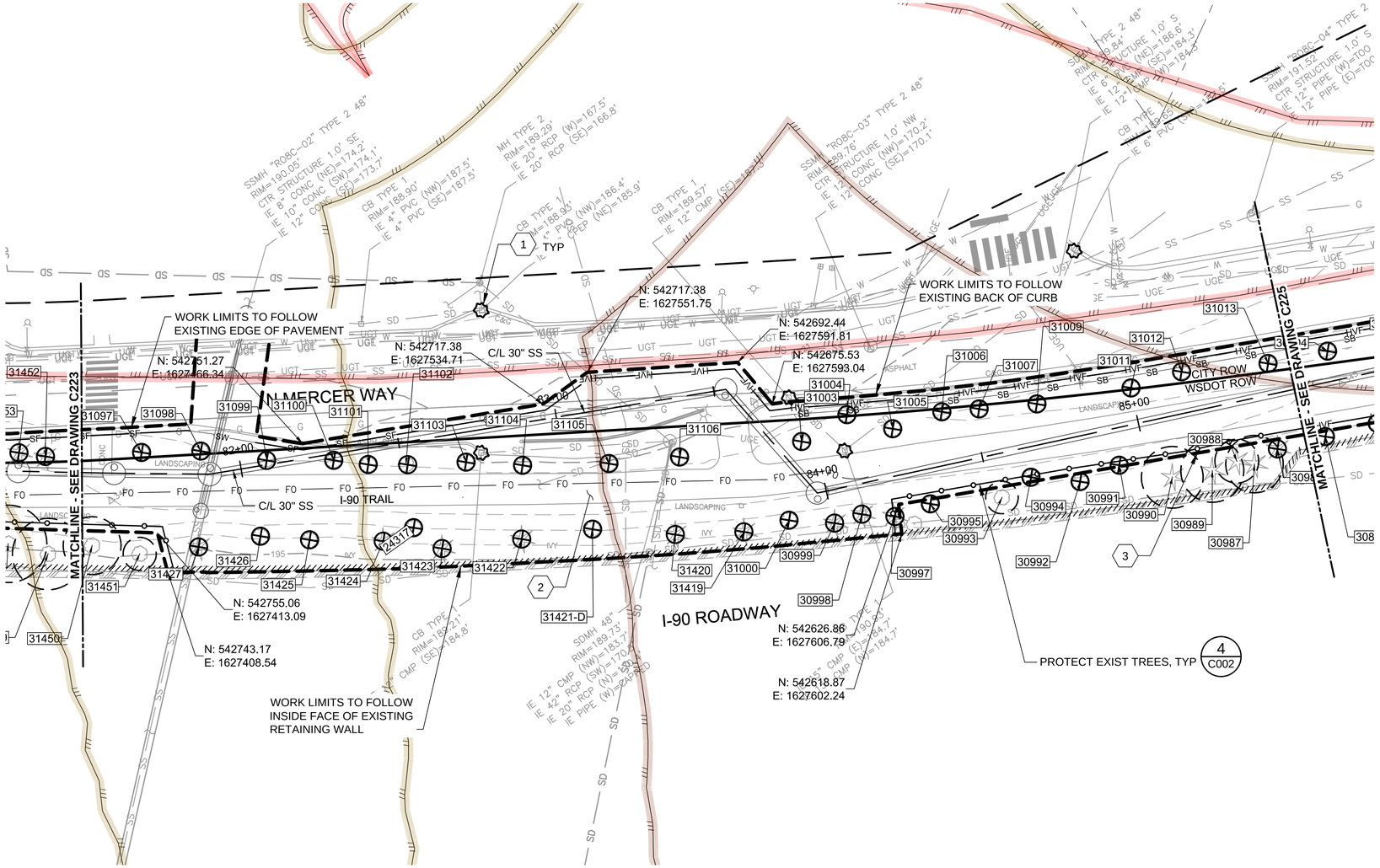
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE PREPARATION STA 77+50 TO STA 81+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C223
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C223.dwg
PLOT DATE: 9/26/2019 9:43 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED GRAVITY SEWER MAIN AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 72+00 TO STA 87+00. SEE TRAIL DETOUR ON DRAWING T112.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C224.dwg
PLOT DATE: 9/26/2019 9:45 AM
PLOTTED BY: D'Aurio, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

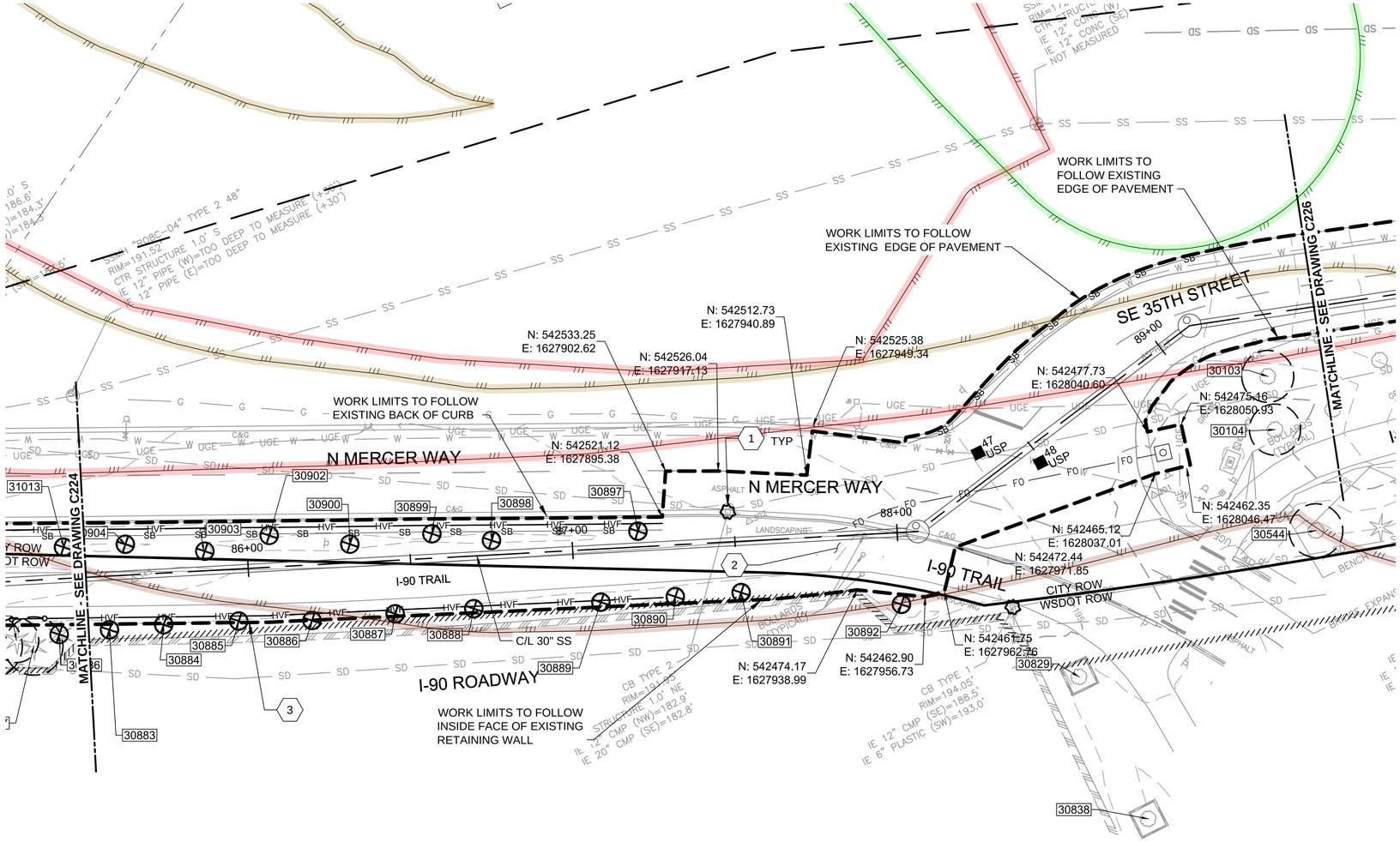
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE PREPARATION STA 81+50 TO STA 85+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C224
SHT NO / TOTAL	/
REV NO:	



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
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7. THE PROPOSED GRAVITY SEWER MAIN AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 72+00 TO STA 87+50. SEE TRAIL DETOUR ON DRAWING T112.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

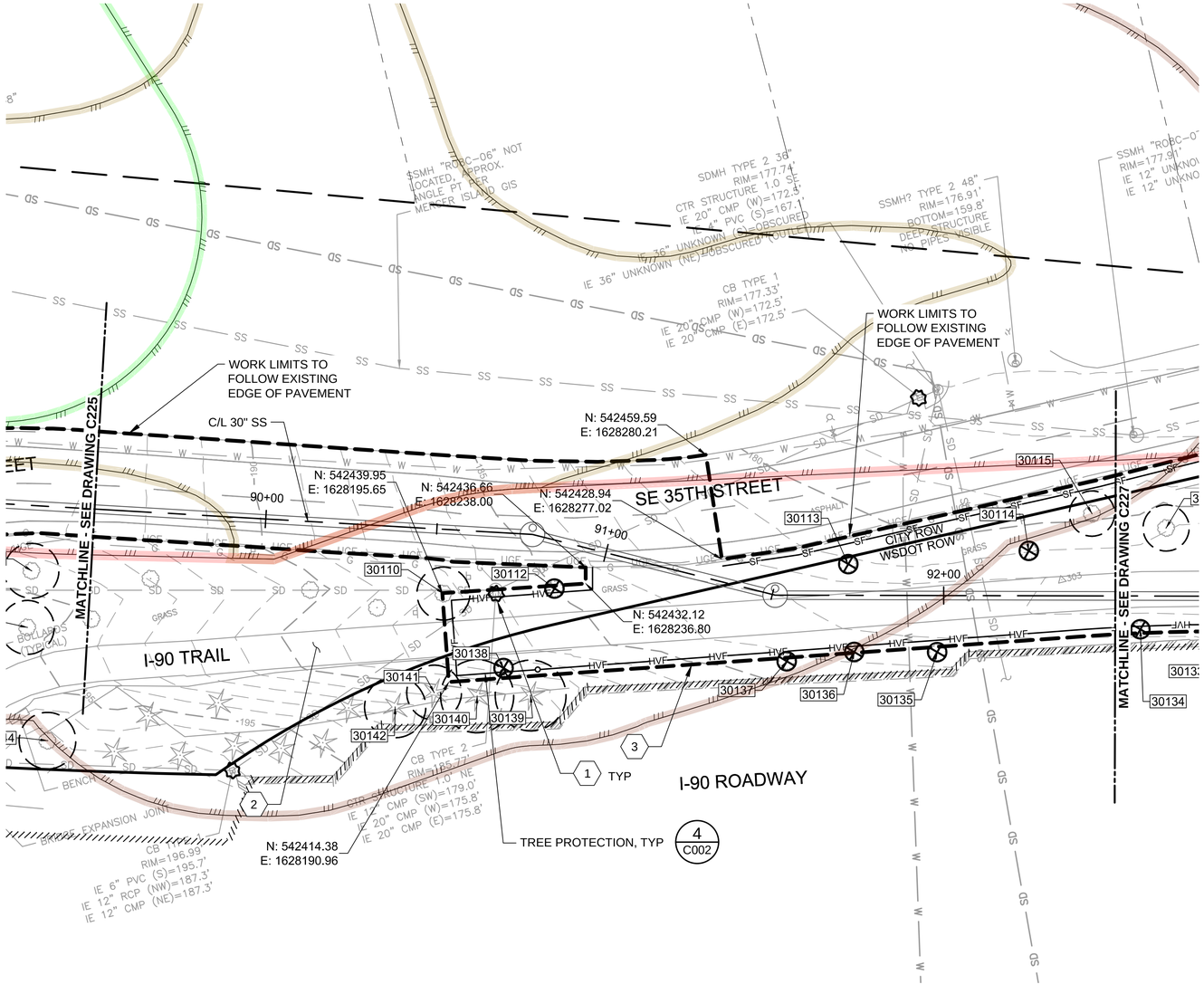
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE PREPARATION STA 85+50 TO STA 89+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C225
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C225.dwg
PLOT DATE: 9/26/2019 9:47 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED GRAVITY SEWER MAIN AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 87+50 TO STA 104+00. SEE TRAIL DETOUR ON DRAWING T113.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

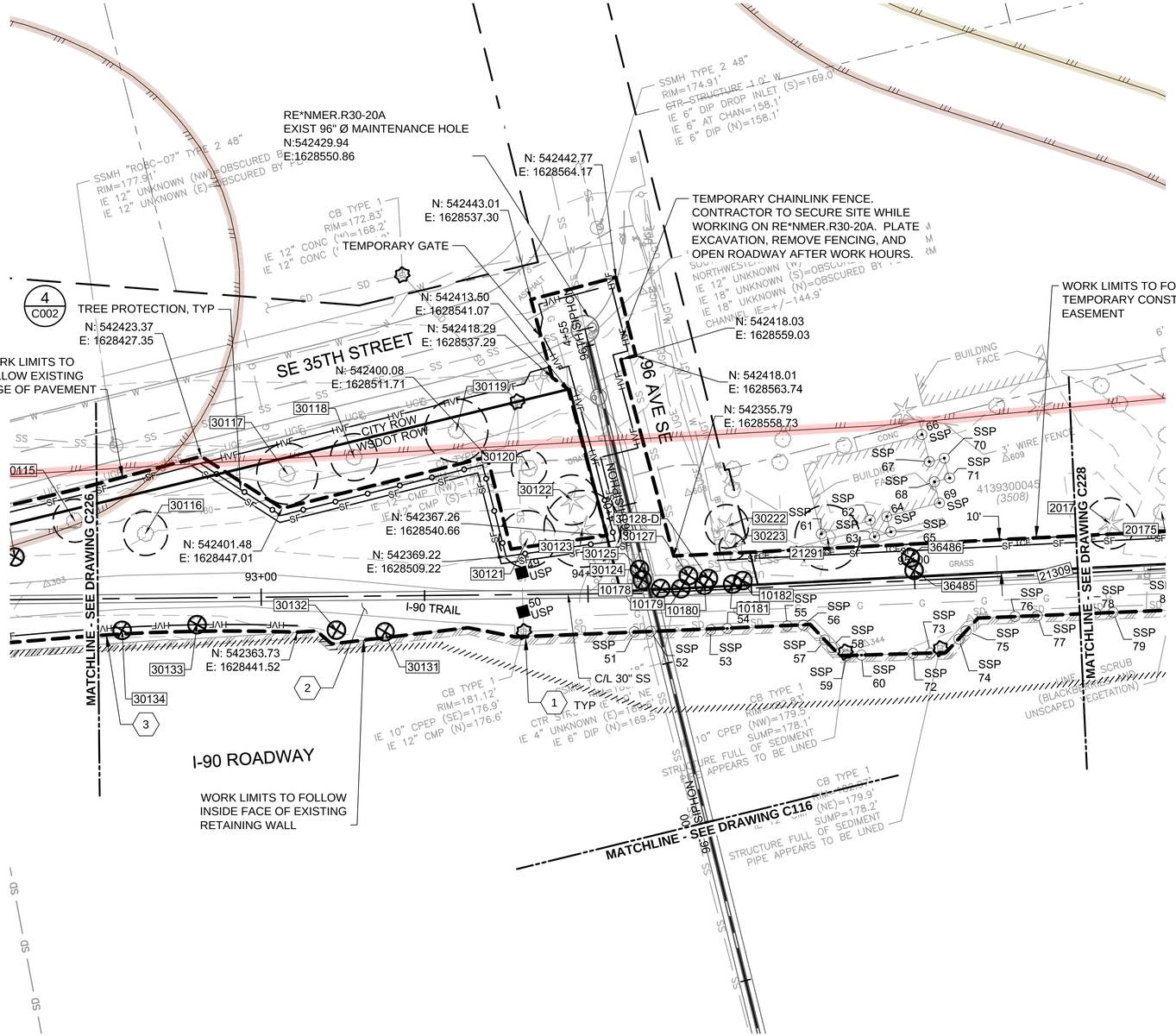
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE PREPARATION STA 89+50 TO STA 92+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C226
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3K67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C226.dwg
PLOT DATE: 9/26/2019 9:49 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED GRAVITY SEWER MAIN AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 87+50 TO STA 104+00. SEE TRAIL DETOUR ON DRAWING T113.
3. WORK LIMITS TO FOLLOW 13' OFFSET FROM PROPOSED I-90 TRAIL CENTERLINE. FOR PROPOSED I-90 TRAIL CENTERLINE DEFINITION, SEE SHEETS C451 TO C466.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

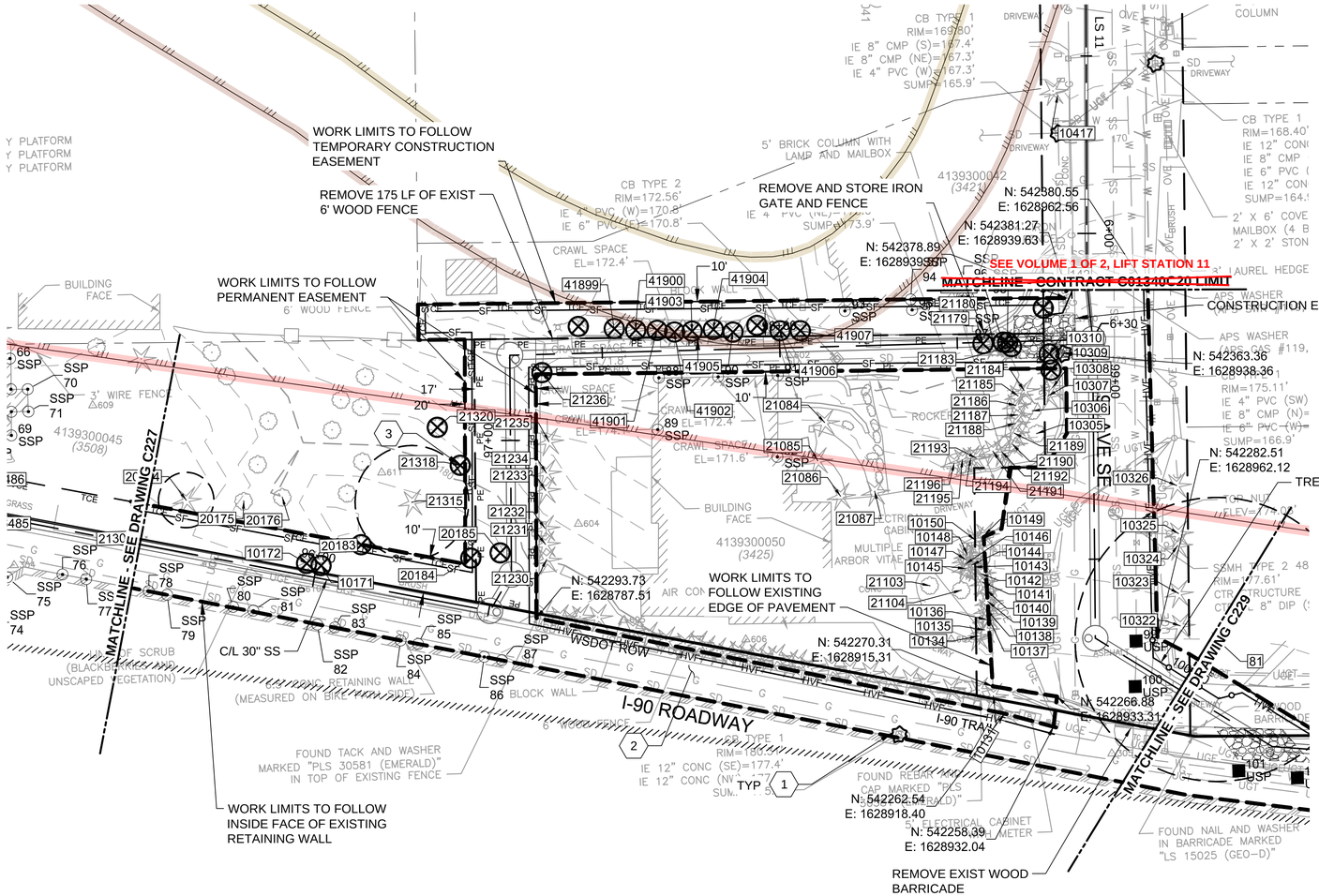
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE PREPARATION STA 92+50 TO STA 95+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C227
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13_PIPE_C227.dwg
PLOT DATE: 9/26/2019 9:51 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. THE PROPOSED GRAVITY SEWER MAIN AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 87+50 TO STA 104+00. SEE TRAIL DETOUR ON DRAWING T113.
3. STORE CUT LOGS AND CHIPPED WOOD IN THIS LOCATION TO USE IN THIS AREA FOLLOWING CONSTRUCTION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

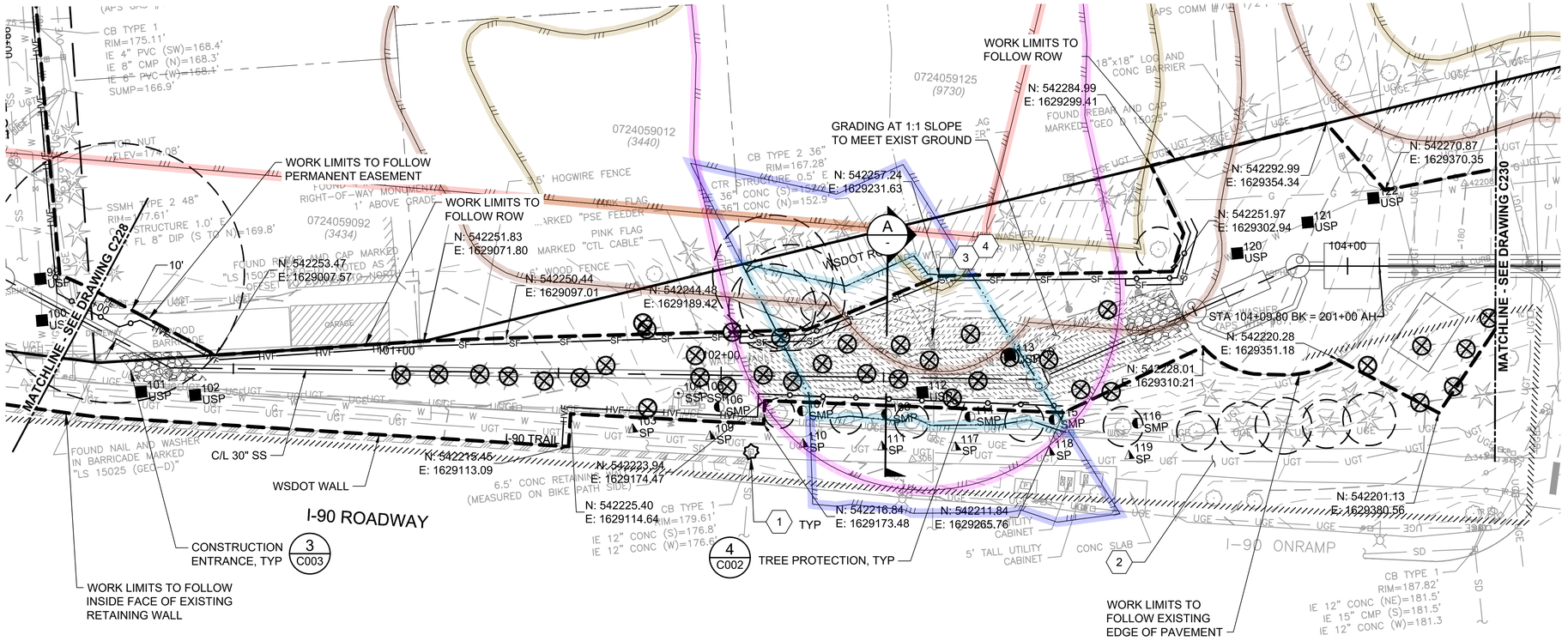
King County

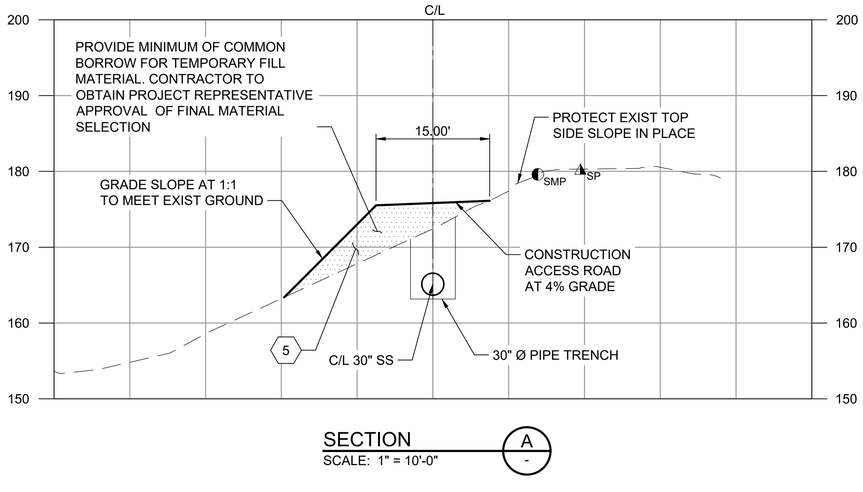
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE PREPARATION STA 95+50 TO STA 100+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C228
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C228.dwg
PLOT DATE: 9/26/2019 9:53 AM
PLOTTED BY: D'Aurio, Isaac





SECTION A
SCALE: 1" = 10'-0"

NOTES:

1. SEE DRAWING C001 TO C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS. REFER TO DRAWING G010 FOR MATERIAL SYMBOLS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM PROJECT REPRESENTATIVE FOR ANY TREE TRIMMING OR REMOVAL OF TREES NOT SHOWN AS BEING REMOVED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ELEVATIONS IN ADVANCE OF WORK.
5. REMOVE AND STORE EXISTING SIGNS WITHIN CONTRACTOR LIMITS OF DISTURBANCE AS NEEDED.
6. IMPLEMENT TREE PROTECTION MEASURES WITHIN CONSTRUCTION AND STAGING AREAS. EXTENTS SHOWN AROUND TREES INDICATE PROTECTION AREA. SEE SITE PREPARATION DETAILS, NOTES, AND TREE MANAGEMENT SPECIFICATIONS.
7. THE PROPOSED GRAVITY SEWER MAIN AND ASSOCIATED STRUCTURES ARE SHOWN SCREENED BACK. SEE C300 SERIES FOR PIPE WORK.

KEY NOTES:

1. STORM DRAIN INLET PROTECTION, TYPICAL.
2. I-90 TRAIL CLOSURE FROM STA 87+50 TO STA 104+00. SEE TRAIL DETOUR ON DRAWING T113.
3. PROTECT EXISTING SD MH DURING CONSTRUCTION, ADJUST RIM AS REQUIRED.
4. EXISTING STORMWATER LINE IS AN APPROVED LOCATION FOR AUTHORIZED DISCHARGES AS DEFINED IN THE SITE WATER DISCHARGE SPECIFICATION.
5. GRADING WORK FOR ACCESS ROAD IS APPROXIMATE AND CONTRACTOR TO SELECT FINAL GRADING LIMITS BASED ON SELECTED FILL MATERIAL AND CONSTRUCTION STRATEGY.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

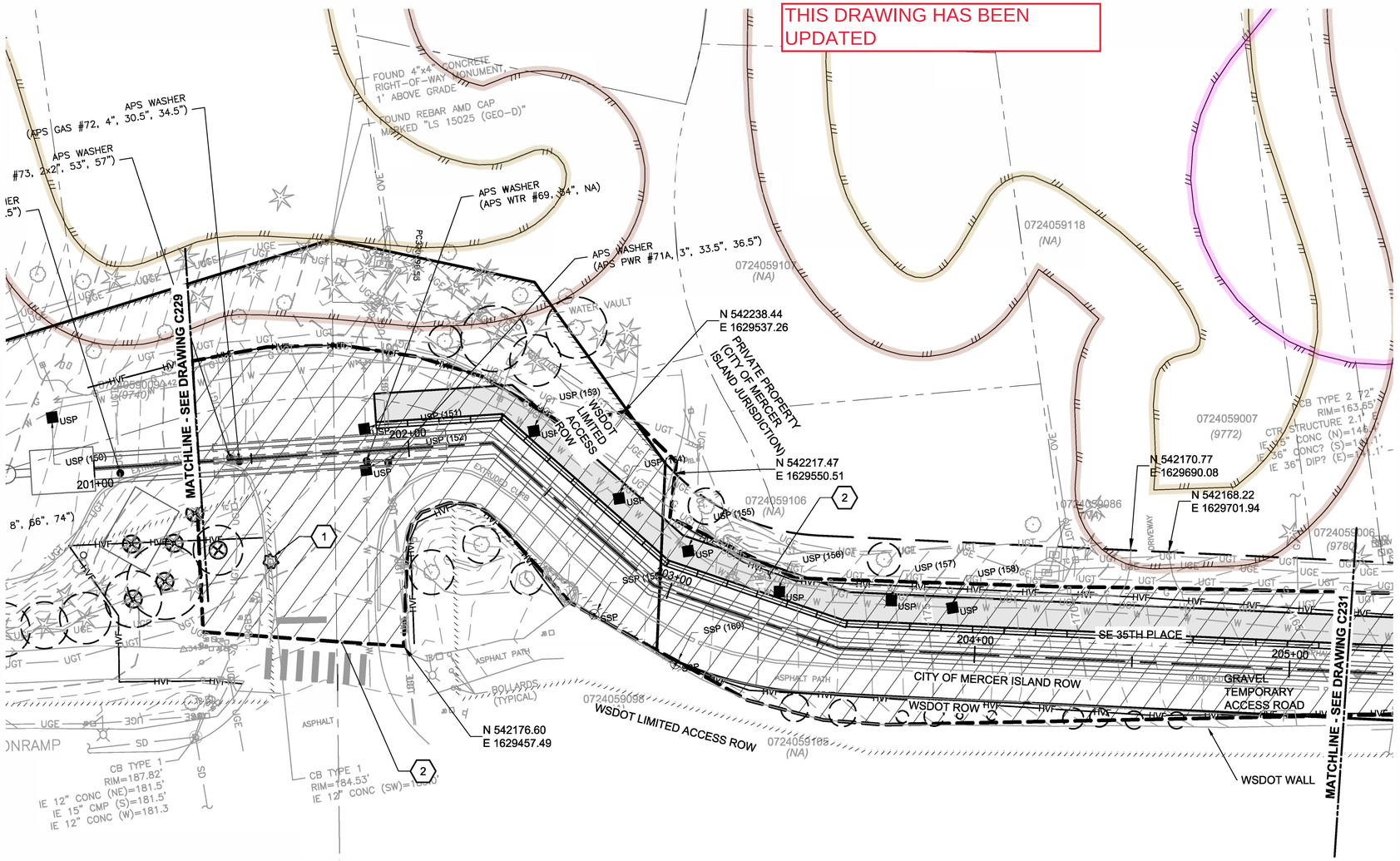
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NORTH MERCER INTERCEPTOR SITE PREPARATION STA 100+00 TO STA 201+32

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C229
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C229.dwg
PLOT DATE: 9/27/2019 11:33 AM
PLOTTED BY:D'Auria, Isaac

THIS DRAWING HAS BEEN UPDATED



NOTES:

1. SEE DRAWINGS C001-C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. SEE TREE MANAGEMENT SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS WHEN WORKING WITHIN LIMITS OF DISTURBANCE (LOD).
4. CONTRACTOR SHALL COORDINATE WITH PROJECT ARBORIST FOR ANY TREE TRIMMING OR REMOVAL NOT SHOWN ON DRAWINGS.
5. TREE HEALTH SHALL BE MONITORED BY THE PROJECT ARBORIST DURING AND AFTER CONSTRUCTION.
6. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS IN ADVANCE OF WORK. CALL 811.
7. OFFSET, PHOTOGRAPH AND OTHERWISE DOCUMENT EXISTING STRIPING AND PAVEMENT MARKINGS FOR REPLACEMENT AT THE END OF CONSTRUCTION.
8. REMOVE AND STORE EXISTING SIGNS WITHIN WORK AREA. REINSTALL OR REPLACE.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION (TYP) PER 2/C002.
2. PROVIDE MIN 10' WIDE TEMP ACCESS ROADWAY. PLACE GRAVEL OUTSIDE EXISTING PAVEMENT TO PROVIDE 10' WIDTH.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION/DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

KEVIN R. GOSS — STATE OF WASHINGTON — 37442 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: D. NICE	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

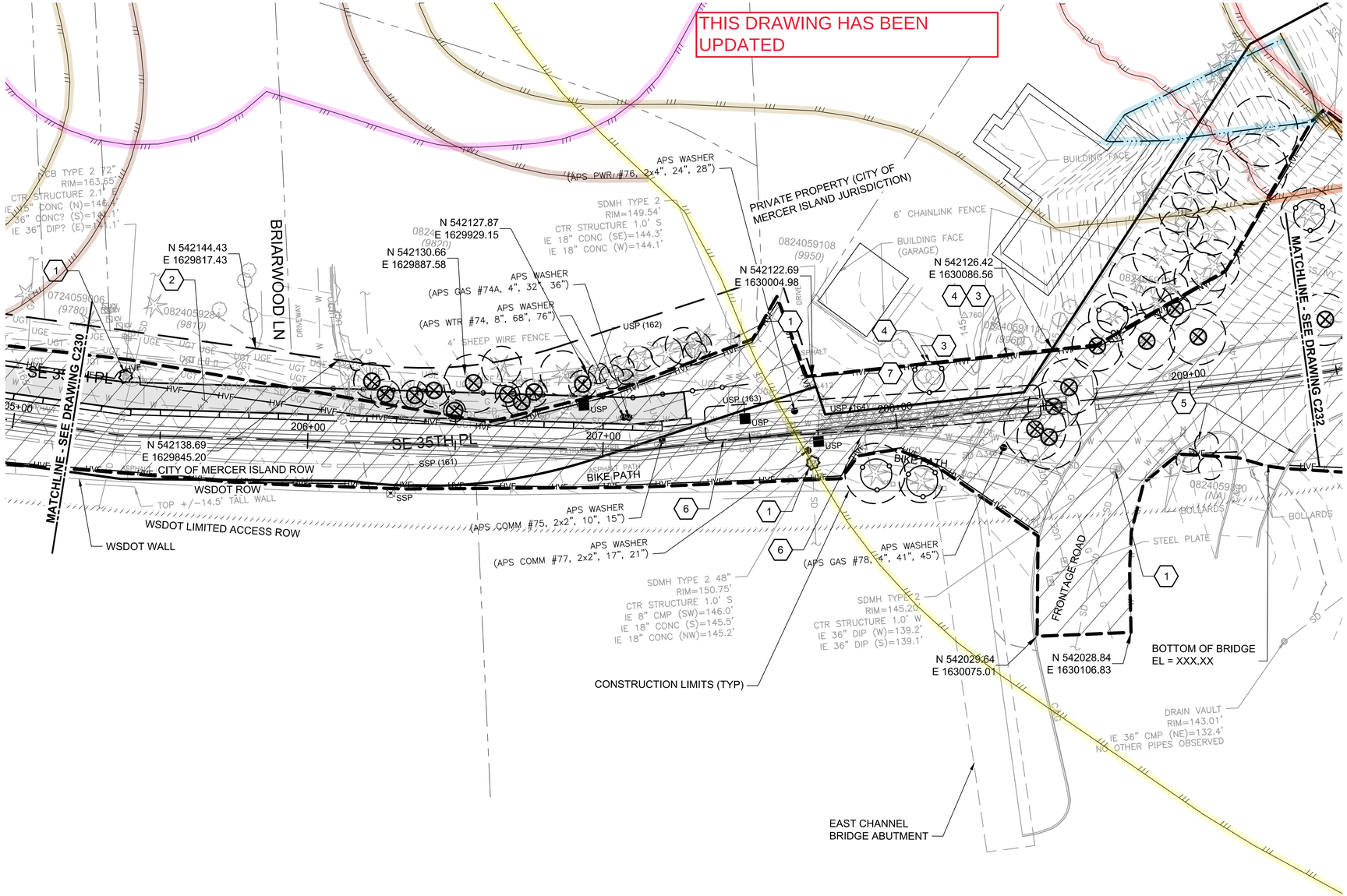
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON SITE PREPARATION STA 201+00 TO STA 205+20

DCN:	TBD
DATE:	03/9/2020
PROJECT FILE NO:	TBD
DRAWING NO:	C230
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539200-12539-180011CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E003006E13-PIPE-C230.dwg
PLOT DATE: 3/5/2020 3:49 PM
PLOTTED BY: Morris, Richard

THIS DRAWING HAS BEEN UPDATED



NOTES:

1. SEE DRAWINGS C001-C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. SEE TREE MANAGEMENT SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS WHEN WORKING WITHIN LIMITS OF DISTURBANCE (LOD).
4. CONTRACTOR SHALL COORDINATE WITH PROJECT ARBORIST FOR ANY TREE TRIMMING OR REMOVAL NOT SHOWN ON DRAWINGS.
5. TREE HEALTH SHALL BE MONITORED BY THE PROJECT ARBORIST DURING AND AFTER CONSTRUCTION.
6. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS IN ADVANCE OF WORK. CALL 811.
7. REMOVE AND STORE EXISTING SIGNS WITHIN WORK AREA.
8. KEEP ONE LANE OF FRONTAGE ROAD OPEN AT ALL TIMES DURING CONSTRUCTION.
9. OFFSET, PHOTOGRAPH AND OTHERWISE DOCUMENT EXISTING STRIPING AND PAVEMENT MARKINGS FOR REPLACEMENT AT THE END OF CONSTRUCTION.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION (TYP) PER 2/C002
2. PROVIDE MIN 10' WIDE TEMP ACCESS ROADWAY. PLACE GRAVEL OUTSIDE EXISTING PAVEMENT TO PROVIDE 10' WIDTH
3. MINIMIZE TRIMMING OF BRANCHES CROSSING TCE BOUNDARY. IN NO CASE MAY TRIMMING OCCUR PAST PLANE OF TCE BOUNDARY.
4. PLACE 18" OF HOG FUEL WITH STEEL SHEETS WITHIN 15' OF TREES/SHRUBS TO REMAIN.
5. REMOVE CURB AND GUTTER AND LANDSCAPE. GRADE AND WIDEN ROAD AND MAINTAIN SINGLE LANE TRAFFIC TO BOAT LAUNCH DURING SIPHON INSTALLATION.
6. REMOVE TREE 143-183.
7. REMOVE 85FT OF EXISTING CHAIN LINK FENCE.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

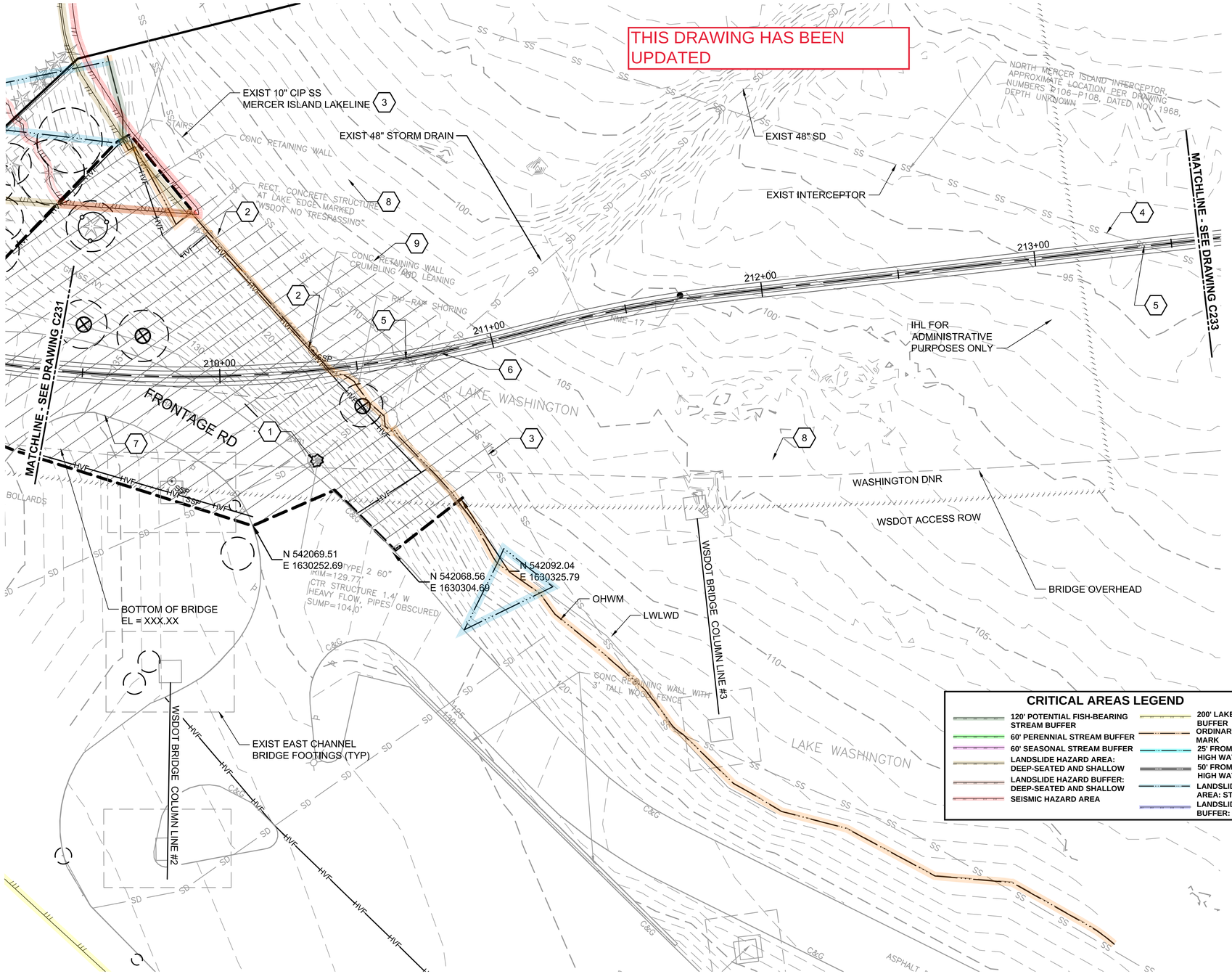
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON SITE PREPARATION STA 205+20-209+40

DCN: TBD
DATE: 03/9/2020
PROJECT FILE NO: TBD
DRAWING NO: C231
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-180011\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-C231.dwg
PLOT DATE: 3/5/2020 3:51 PM
PLOTTED BY: Morris, Richard

THIS DRAWING HAS BEEN UPDATED



CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

NOTES:

1. SEE DRAWINGS C001-C004 FOR STANDARD SITE PREPARATION NOTES AND DETAILS.
2. PROTECT EXISTING TREES EXCEPT WHERE INDICATED TO BE REMOVED.
3. SEE TREE MANAGEMENT SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS WHEN WORKING WITHIN LIMITS OF DISTURBANCE (LOD).
4. CONTRACTOR SHALL COORDINATE WITH PROJECT ARBORIST FOR ANY TREE TRIMMING OR REMOVAL NOT SHOWN ON DRAWINGS.
5. TREE HEALTH SHALL BE MONITORED BY THE PROJECT ARBORIST DURING AND AFTER CONSTRUCTION.
6. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS IN ADVANCE OF WORK. CALL 811.
7. DRIVEN OR VIBRATED SHORING SYSTEMS SHALL NOT BE USED IN LAKE WASHINGTON.
8. REMOVE AND STORE EXISTING SIGNS WITHIN WORK AREA. REINSTALL OR REPLACE.
9. NOT USED.
10. KEEP ONE LANE OF FRONTAGE ROAD OPEN AT ALL TIMES DURING CONSTRUCTION.
11. IN-WATER WORK SHALL BE FULLY ENCLOSED BY TURBIDITY CURTAIN UNTIL TURBIDITY LEVELS INSIDE CURTAIN ARE BELOW SPECIFIED LIMITS.
12. MAINTAIN MINIMUM ONE UNRESTRICTED NAVIGATION CHANNEL UNDER EAST CHANNEL BRIDGE AT ALL TIMES. ACCEPTABLE CHANNELS ARE BETWEEN WSDOT BRIDGE PIER LINES 4 AND , 5 AND 6, 6 AND 7.
13. OFFSET, PHOTOGRAPH AND OTHERWISE DOCUMENT EXISTING STRIPING AND PAVEMENT MARKINGS FOR REPLACEMENT AT THE END OF CONSTRUCTION.

(#) KEY NOTES:

1. STORM DRAIN INLET PROTECTION (TYP) PER 2/C002
2. DEMO EXISTING CONCRETE BULKHEAD TO WORK LIMIT.
3. CITY OF MERCER ISLAND 10" CI SEWER LAKE LINE. LOCATION IS APPROXIMATE AND DEPTH IS UNKNOWN. CONTACT CITY OF MERCER ISLAND 2 WEEKS PRIOR TO EXCAVATION TO COORDINATE UTILITY PROTECTIONS.
4. KING COUNTY 20" DI NORTH MERCER INTERCEPTOR. LOCATION AND DEPTH APPROXIMATE. CONTACT PROJECT REPRESENTATIVE 2 WEEKS PRIOR TO EXCAVATION TO COORDINATE UTILITY PROTECTION.
5. SUPPORT EXISTING 10" AND 20" SANITARY SEWERS TO ALLOW FOR SIPHON INSTALLATION SEE 3/C128.
6. REMOVE SEGMENT OF EXISTING 48" STORM DRAIN TO ALLOW FOR SIPHON INSTALLATION. SEE 1/C128.
7. REMOVE CURB, GUTTER, AND LANDSCAPE. GRADE AND WIDEN ROAD AND MAINTAIN TRAFFIC TO BOAT LAUNCH DURING SIPHON CONSTRUCTION.
8. APPROXIMATE TRENCH LIMITS BASED ON PERMIT SUBMITTAL DRAWINGS, CONTRACTOR TO DETERMINE TRENCH WIDTH REQUIRED BASED ON PROPOSED PIPE PROFILE, PIPE COVER, AND CONTRACTOR-DETERMINED SIDE SLOPES.
9. IN-WATER PORTION OF WORK AREA SHALL BE ENCLOSED BY A TURBIDITY CURTAIN AT ALL TIMES DURING SHORELINE RESTORATION OR WORK AT THE MERCER ISLAND BOAT LAUNCH UNTIL SURFACE RESTORATION IS COMPLETE.

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

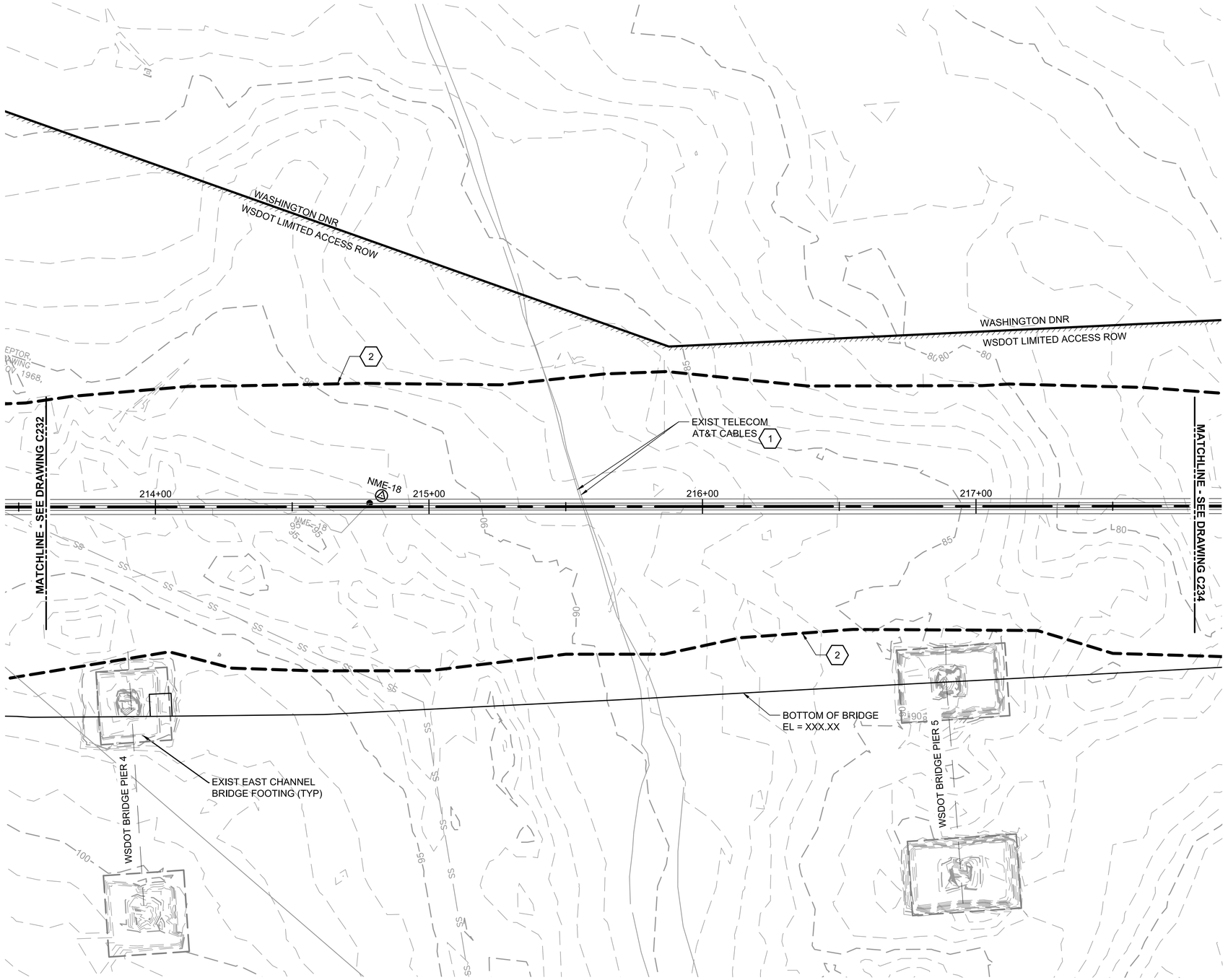
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON SITE PREPARATION STA 209+40-213+60

DCN:	TBD
DATE:	03/9/2020
PROJECT FILE NO:	TBD
DRAWING NO:	C232
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-C232.dwg
PLOT DATE: 3/5/2020 3:53 PM
PLOTTED BY: Morris, Richard



NOTES:

1. MAINTAIN MINIMUM ONE UNRESTRICTED NAVIGATION CHANNEL UNDER EAST CHANNEL BRIDGE AT ALL TIMES. ACCEPTABLE CHANNELS ARE BETWEEN WSDOT BRIDGE PIER LINES 4 AND 5, 5 AND 6, 6 AND 7.
2. IN-WATER WORK SHALL BE ENCLOSED BY TURBIDITY CURTAIN UNTIL TURBIDITY LEVELS INSIDE CURTAIN ARE BELOW SPECIFIED LIMITS.
3. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS IN ADVANCE OF WORK. CALL 811.
4. DRIVEN OR VIBRATED SHORING SYSTEMS SHALL NOT BE USED IN LAKE WASHINGTON.

(#) KEY NOTES:

1. AT&T COMM CABLES ON LAKE BED. SUPPORT PER 3/C128 DURING SIPHON CONSTRUCTION. CONTACT AT&T 2 WEEKS PRIOR TO EXCAVATION TO COORDINATE UTILITY PROTECTIONS.
2. APPROXIMATE TRENCH LIMITS BASED ON PERMIT SUBMITTAL DRAWINGS. CONTRACTOR TO DETERMINE TRENCH WIDTH REQUIRED BASED ON PROPOSED PIPE PROFILE, PIPE COVER, AND CONTRACTOR-DETERMINED SIDE SLOPES.

FOR REFERENCE ONLY

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K.GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

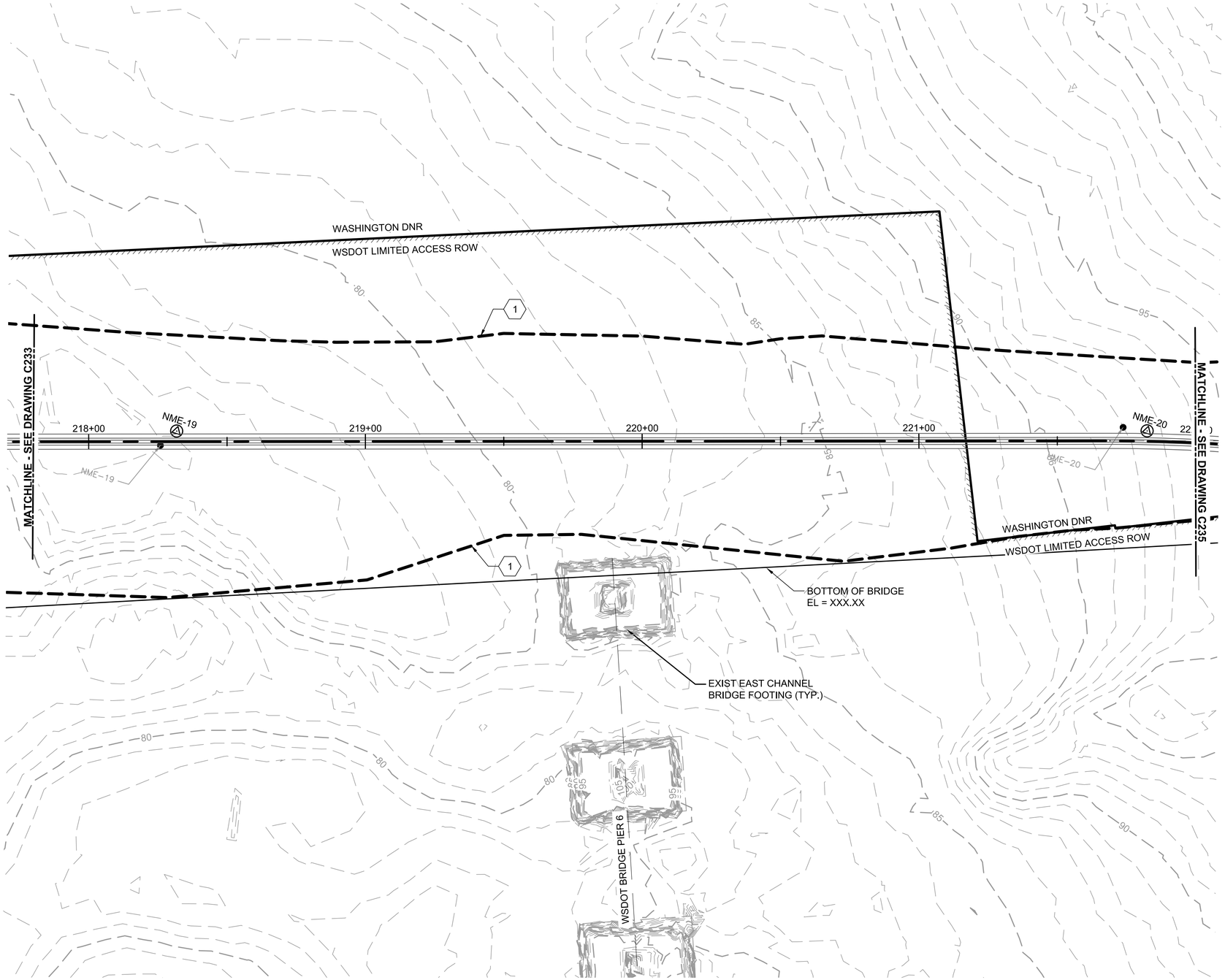
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON SITE PREPARATION STA 213+60 TO STA 217+80

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C233
SHT NO / TOTAL: 198 / 438
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\125539\200-125539-180011\CAD\SheetFiles\E00306E13-PIPE-C233.dwg
PLOT DATE: 9/16/2019 2:42 PM
PLOTTED BY: Thomasy, Bryan



NOTES:

1. MAINTAIN MINIMUM ONE UNRESTRICTED NAVIGATION CHANNEL UNDER EAST CHANNEL BRIDGE AT ALL TIMES. ACCEPTABLE CHANNELS ARE BETWEEN WSDOT BRIDGE PIER LINES 4 AND 5, 5 AND 6, 6 AND 7.
2. IN-WATER WORK SHALL BE ENCLOSED BY TURBIDITY CURTAIN UNTIL TURBIDITY LEVELS INSIDE CURTAIN ARE BELOW SPECIFIED LIMITS.
3. DRIVEN OR VIBRATED SHORING SYSTEMS SHALL NOT BE USED IN LAKE WASHINGTON.

(#) KEY NOTES:

1. APPROXIMATE TRENCH LIMITS BASED ON PERMIT SUBMITTAL DRAWINGS. CONTRACTOR TO DETERMINE TRENCH WIDTH REQUIRED BASED ON PROPOSED PIPE PROFILE, PIPE COVER, AND CONTRACTOR-DETERMINED SIDE SLOPES.

FOR REFERENCE ONLY

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K.GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON SITE PREPARATION STA 217+80 TO STA 222+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C234
SHT NO / TOTAL	199 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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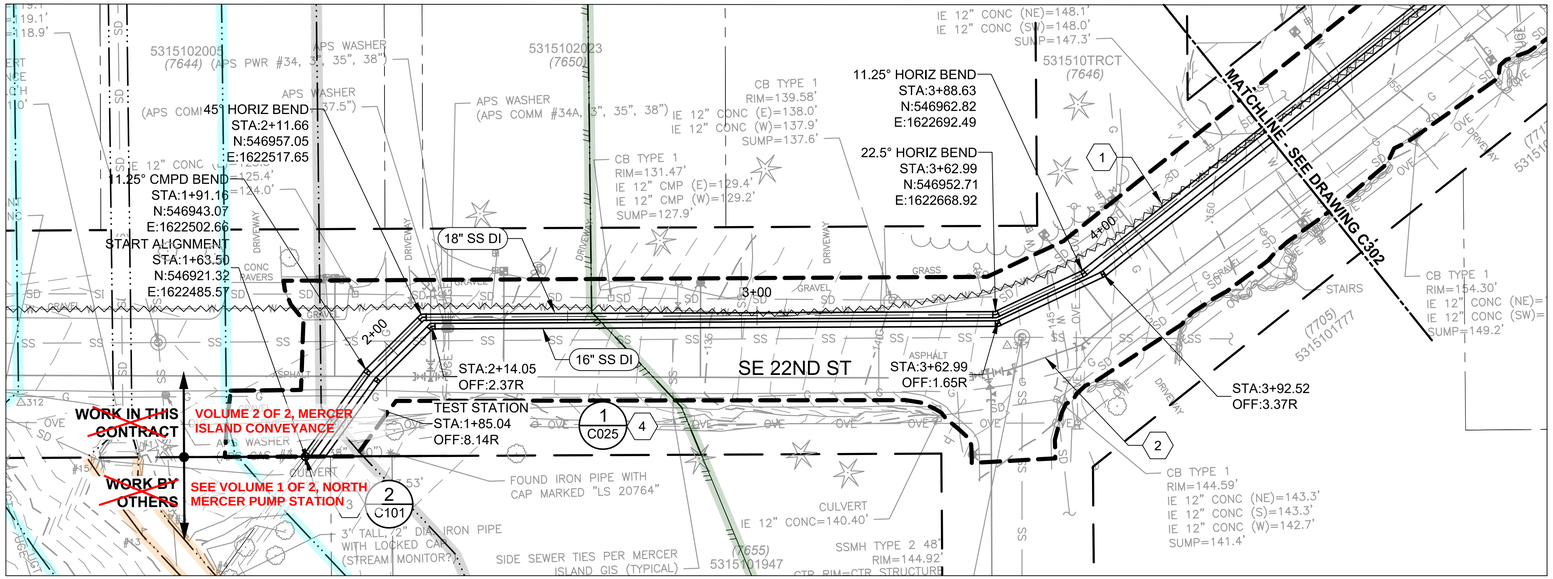
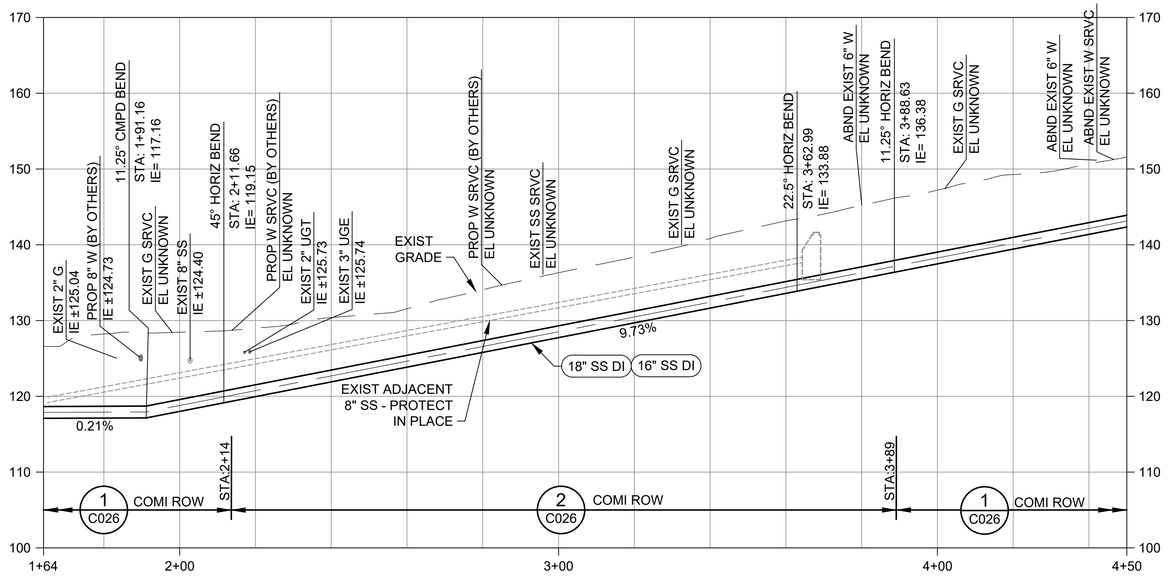
PLOTTED BY: Thomasy, Bryan



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. UNLESS OTHERWISE SHOWN, AT BENDS PROVIDE THE SAME TYPE OF FITTINGS FOR THE 16-INCH SSFM AS ARE SHOWN FOR THE 18-INCH SSFM AND LOCATE PER THE TRENCH SECTION SHOWN IN THE PROFILE.
2. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. 8" DI WATER LINE TO BE ABANDONED BY OTHERS IN ADVANCE OF CONSTRUCTION. REMOVE AND ABANDON AS NEEDED.
2. LOCATION OF 8" DI WATER MAIN, SERVICES, AND FEATURES ARE NOT SURVEYED AND LOCATED SCHEMATICALLY. CONTRACTOR REVIEW RECORD DRAWINGS AND FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
3. CAP FMs AT STA 01+64. FINAL CONNECTIONS TO BE MADE BY CONTRACT C01339C20.
4. TEST STATION TO BE PROVIDED AT LOCATION SHOWN. CABLES FROM BOTH 16" AND 18" SS TO BE CONTAINED IN THE SAME TEST STATION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

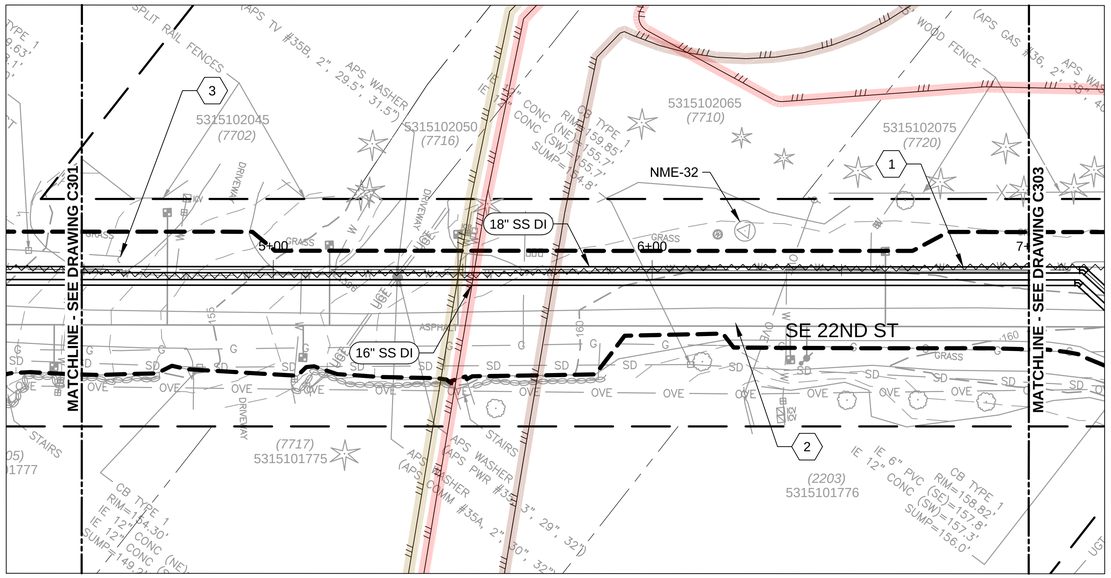
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 1+64 TO STA 4+50

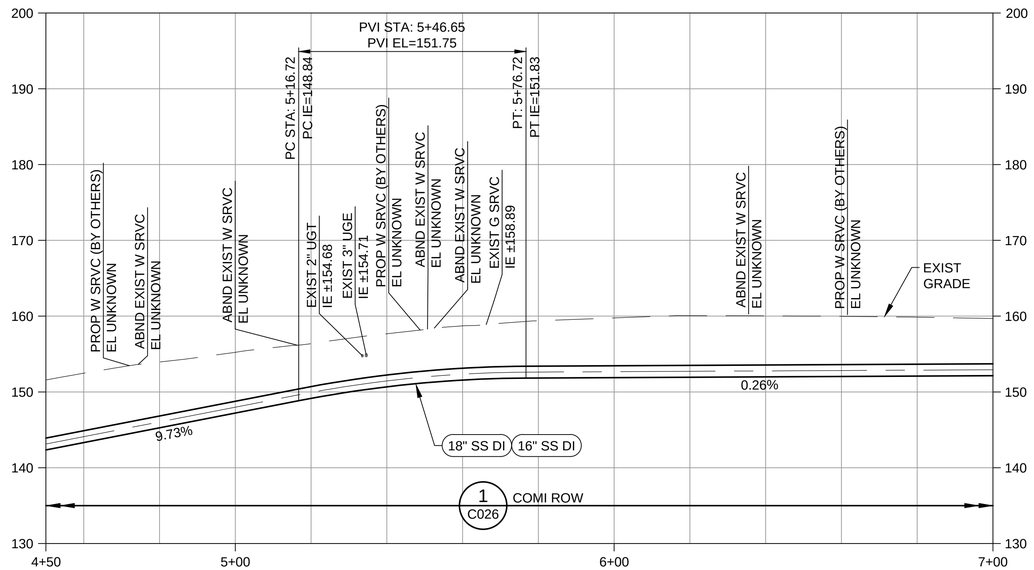
DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C301
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C301.dwg
PLOT DATE: 9/27/2019 10:01 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. 8" DI WATER LINE TO BE ABANDONED BY OTHERS IN ADVANCE OF CONSTRUCTION. REMOVE AND ABANDON AS NEEDED.
2. LOCATION OF 8" DI WATER MAIN, SERVICES, AND FEATURES ARE NOT SURVEYED AND LOCATED SCHEMATICALLY. CONTRACTOR REVIEW RECORD DRAWINGS AND FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO FIELD VERIFY SD ALIGNMENT AND REMOVE AND REPLACE AS REQUIRED.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

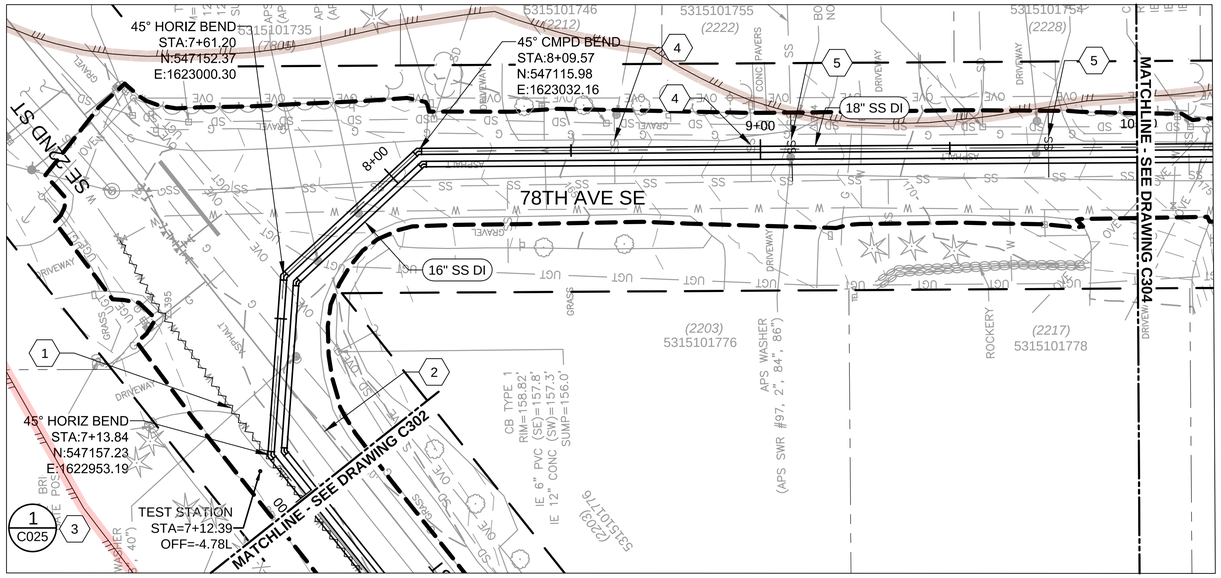
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 4+50 TO STA 7+00

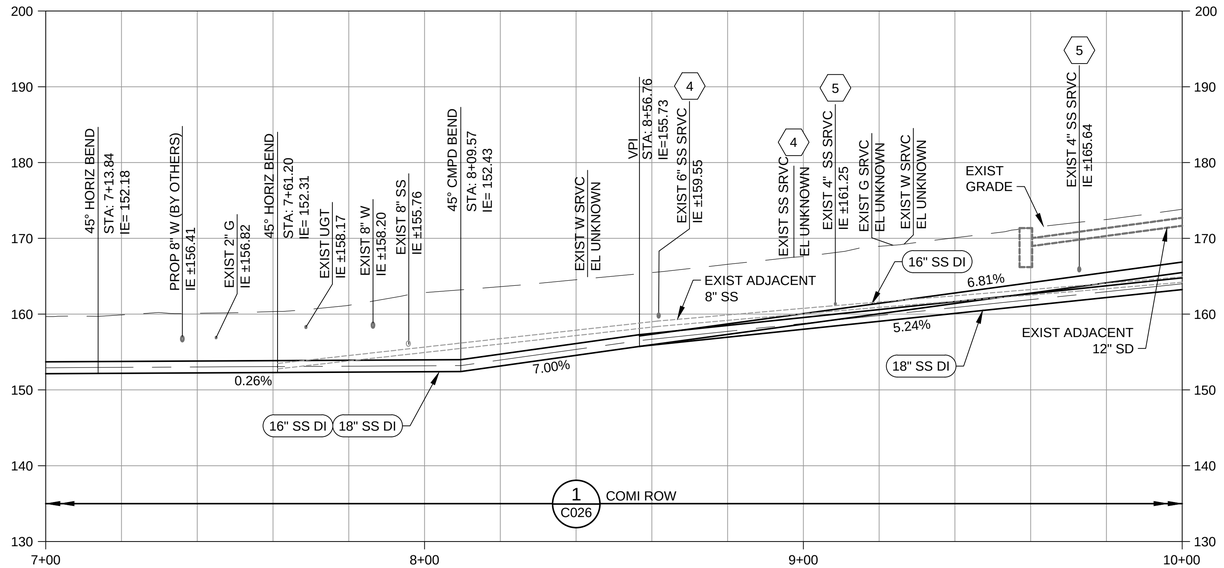
DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C302
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C302.dwg
PLOT DATE: 9/26/2019 10:00 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. 8" DI WATER LINE TO BE ABANDONED BY OTHERS IN ADVANCE OF CONSTRUCTION. REMOVE AND ABANDON AS NEEDED.
2. LOCATION OF 8" DI WATER MAIN, SERVICES, AND FEATURES ARE NOT SURVEYED AND LOCATED SCHEMATICALLY. CONTRACTOR REVIEW RECORD DRAWINGS AND FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
3. TEST STATION TO BE PROVIDED AT LOCATION SHOWN. CABLES FROM BOTH 16" AND 18" SS TO BE CONTAINED IN THE SAME TEST STATION.
4. CONTRACTOR TO FIELD VERIFY THE SIDE SEWER AND CONFIRM IT IS NOT IN SERVICE. CUT, CAP, AND ABANDON IF NOT IN SERVICE. IF ACTIVE, PROTECT IN PLACE OR REINSTATE AS REQUIRED.
5. CONTRACTOR TO RELOCATE AND RECONNECT THE SIDE SEWER OVER THE TOP OF THE NEW SANITARY SEWER FORCE MAINS PER MERCER ISLAND STANDARD SEWER DETAIL S-17.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

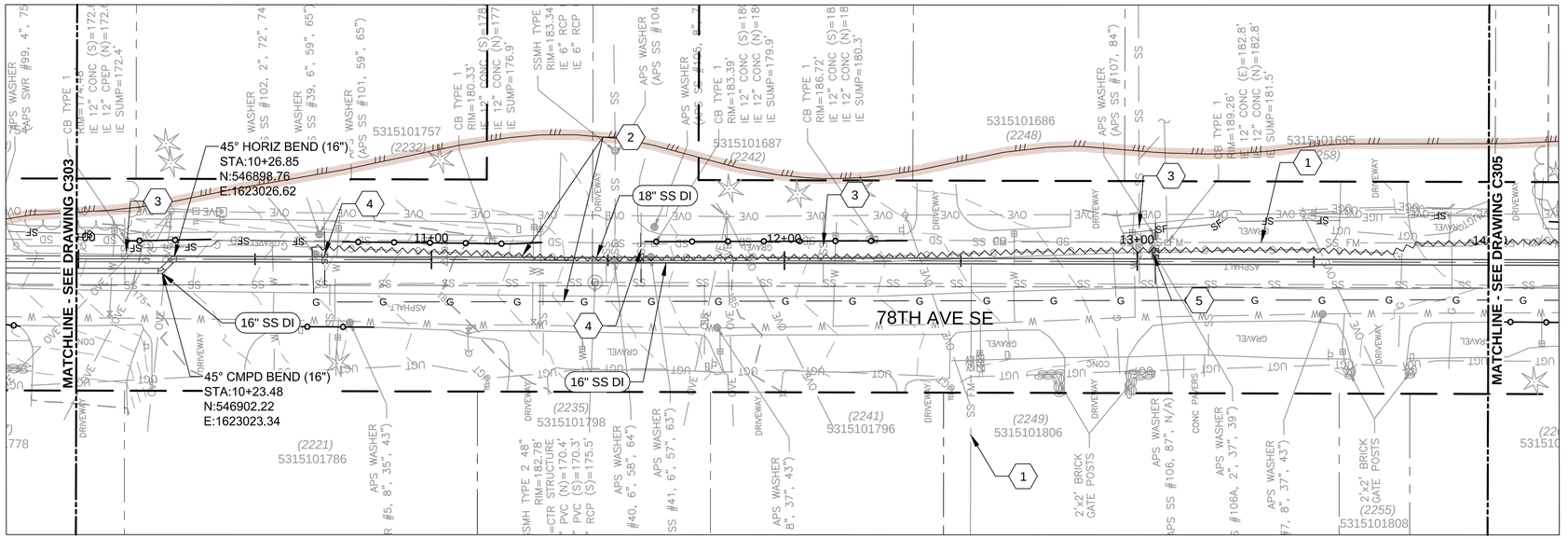
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

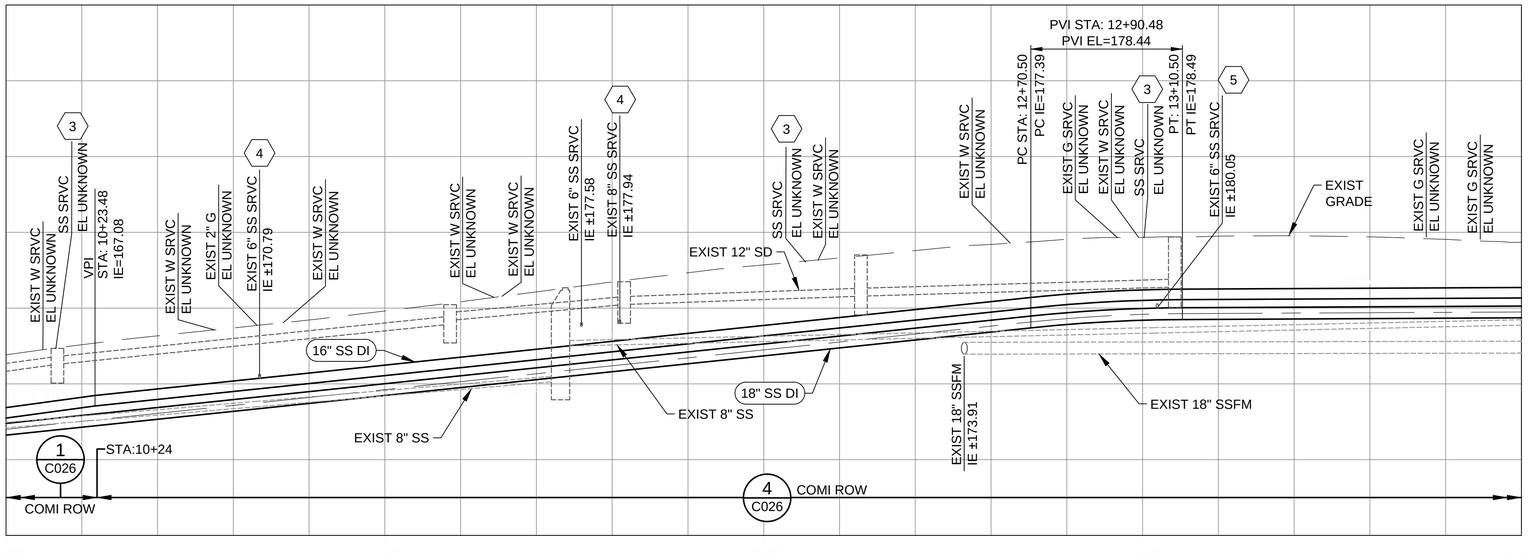
NMPS FORCE MAIN PLAN AND PROFILE STA 7+00 TO STA 10+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C303
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C303.dwg
PLOT DATE: 9/26/2019 10:02 AM
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. EXISTING 18" COUNTY SSFM TO REMAIN IN SERVICE DURING CONSTRUCTION
2. GAS LINE TO BE ABANDONED BY PSE IN ADVANCE OF CONSTRUCTION. REMOVE ABANDONED PIPE AS NEEDED TO COMPLETE WORK. AFTER REMOVING PIPE, CAP ENDS OF ADJACENT PIPE TO REMAIN IN THE GROUND. CONFIRM LINE HAS BEEN DEACTIVATED BEFORE BEGINNING WORK.
3. CONTRACTOR TO FIELD VERIFY THE SIDE SEWER AND CONFIRM IT IS NOT IN SERVICE. CUT, CAP, AND ABANDON IF NOT IN SERVICE. IF ACTIVE, PROTECT IN PLACE OR REINSTATE AS REQUIRED.
4. CONTRACTOR TO RELOCATE AND RECONNECT THE SIDE SEWER OVER THE TOP OF THE NEW SANITARY SEWER FORCE MAINS PER MERCER ISLAND STANDARD SEWER DETAIL S-17.
5. CONTRACTOR TO RELOCATE AND RECONNECT THE SIDE SEWER IN BETWEEN THE SANITARY SEWER FORCE MAINS ACCORDING TO DETAIL 1/C101 AND PER MERCER ISLAND SEWER STANDARD DETAIL S-17.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 10+00 TO STA 14+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C304
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C304.dwg
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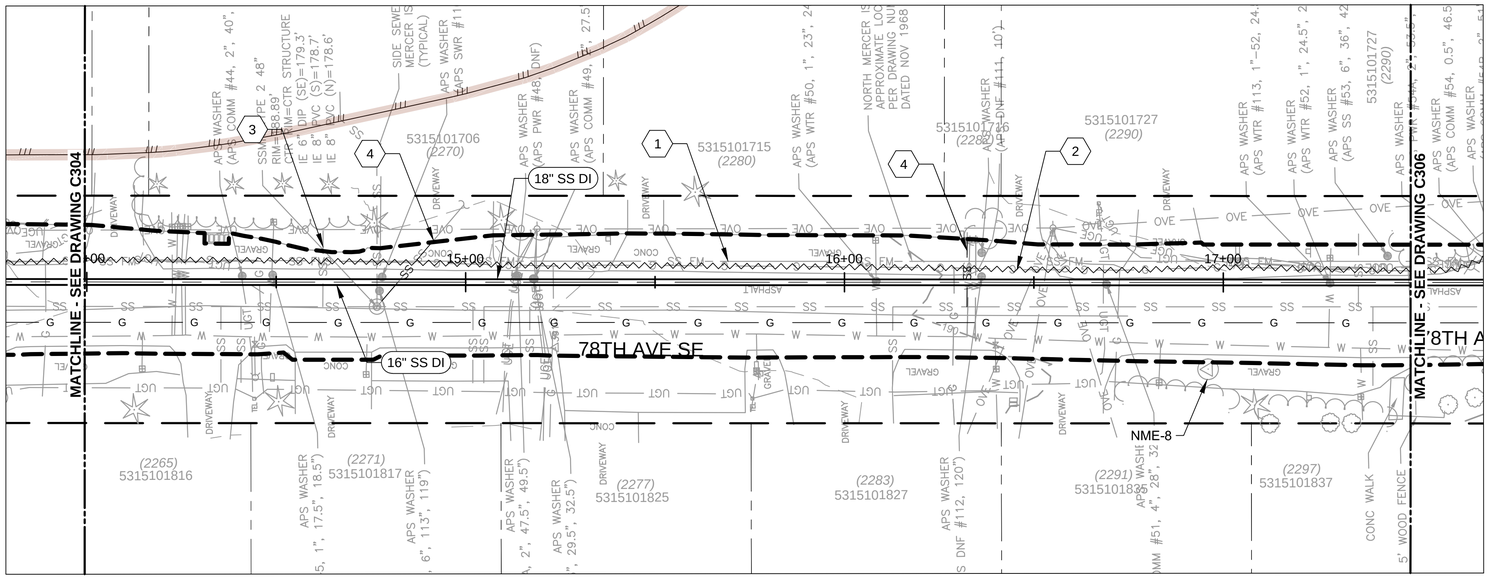
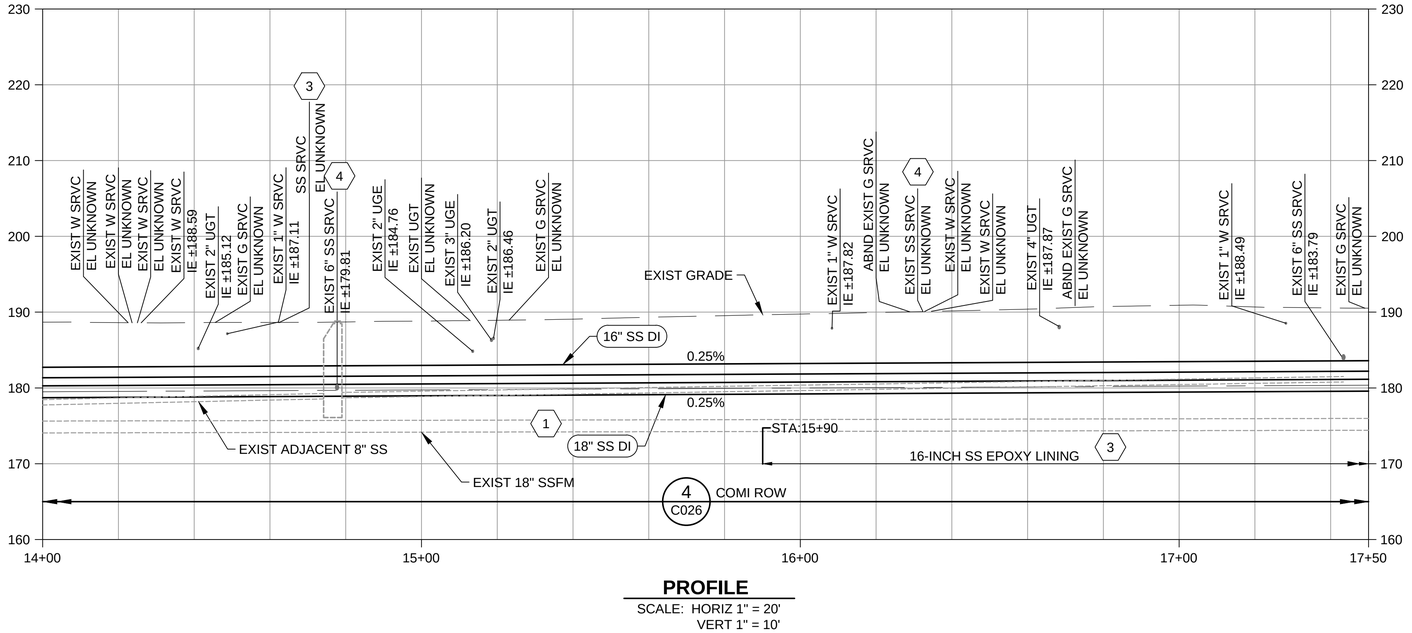
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. EXISTING 18" COUNTY SSFM TO REMAIN IN SERVICE DURING CONSTRUCTION.
2. GAS LINE TO BE ABANDONED BY PSE IN ADVANCE OF CONSTRUCTION. REMOVE ABANDONED PIPE AS NEEDED TO COMPLETE WORK. AFTER REMOVING PIPE, CAP ENDS OF ADJACENT PIPE TO REMAIN IN THE GROUND. CONFIRM LINE HAS BEEN DEACTIVATED BEFORE BEGINNING WORK.
3. CONTRACTOR TO FIELD VERIFY THE SIDE SEWER AND CONFIRM IT IS NOT IN SERVICE. CUT, CAP, AND ABANDON IF NOT IN SERVICE. IF ACTIVE, PROTECT IN PLACE OR REINSTATE AS REQUIRED.
4. CONTRACTOR TO RELOCATE AND RECONNECT THE SIDE SEWER IN BETWEEN THE SANITARY SEWER FORCE MAINS ACCORDING TO DETAIL 1/C101 AND PER MERCER ISLAND SEWER STANDARD DETAIL S-17.
5. 16-INCH SANITARY SEWER TO BE EPOXY LINED FOR EXTENTS SHOWN ON THE PROFILE. EPOXY LINED DI PIPE SHALL BE PROVIDED IN FULL LENGTH PIPE STICKS ONLY AND SHALL NOT BE FIELD CUT. ROUND PAST EXTENTS TO NEAREST PIPE JOINT.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

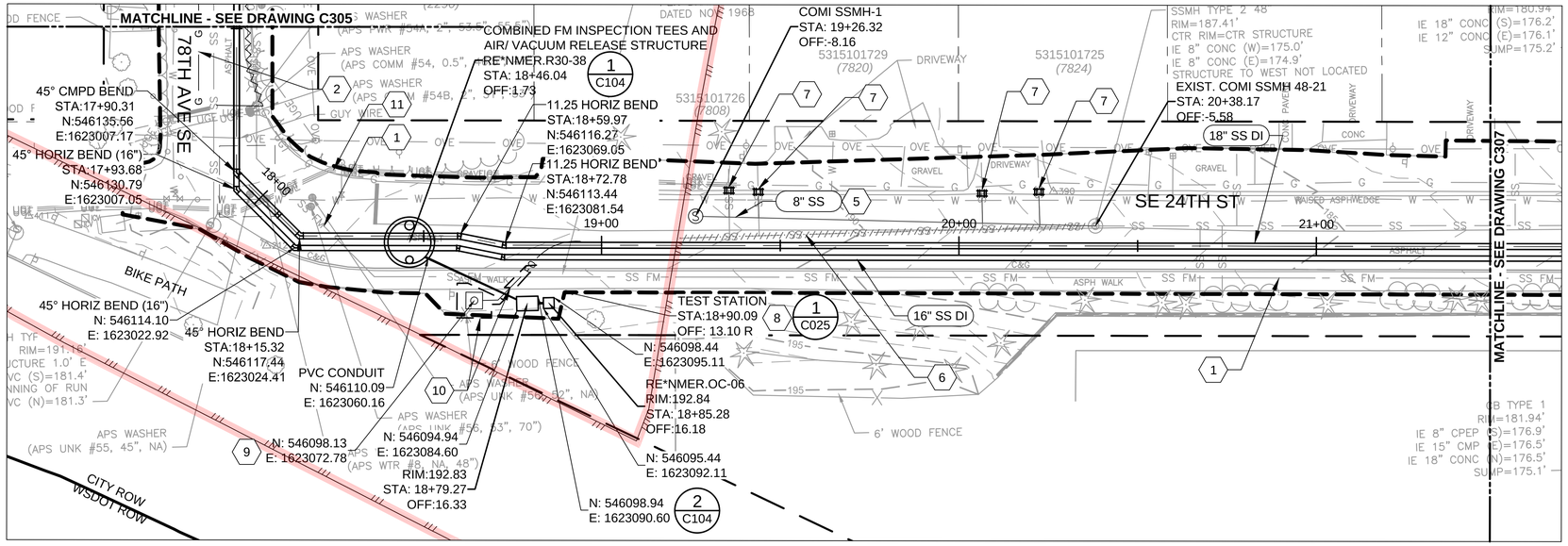
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 14+00 TO STA 17+50

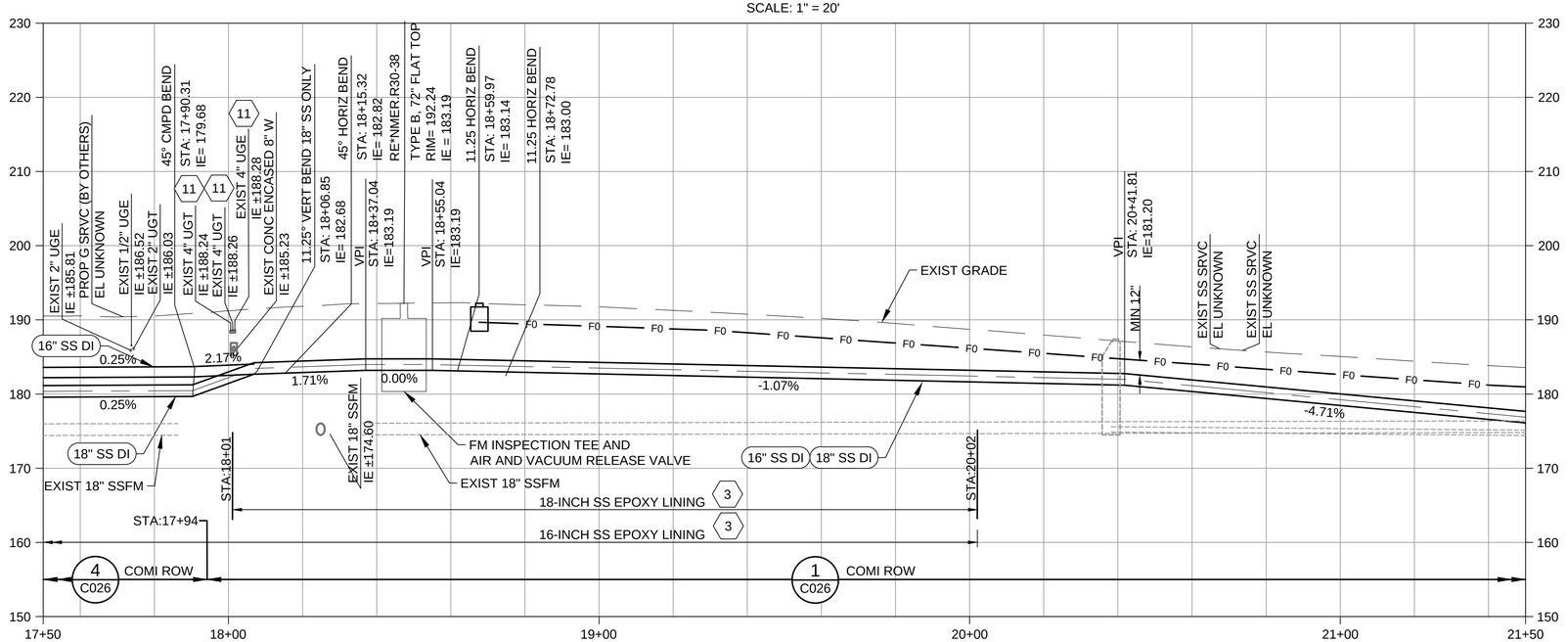
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C305
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C305.dwg
PLOT DATE: 9/26/2019 10:07 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. EXISTING 18" COUNTY SSFM TO REMAIN IN SERVICE DURING CONSTRUCTION.
2. GAS LINE TO BE ABANDONED BY PSE IN ADVANCE OF CONSTRUCTION. REMOVE ABANDONED PIPE AS NEEDED TO COMPLETE WORK. AFTER REMOVING PIPE, CAP ENDS OF ADJACENT PIPE TO REMAIN IN THE GROUND. CONFIRM LINE HAS BEEN DEACTIVATED BEFORE BEGINNING WORK.
3. 16-INCH AND 18-INCH SANITARY SEWERS TO BE EPOXY LINED FOR EXTENTS SHOWN ON THE PROFILE. EPOXY LINED DI PIPE SHALL BE PROVIDED IN FULL LENGTH PIPE STICKS ONLY AND SHALL NOT BE FIELD CUT. ROUND PAST EXTENTS TO NEAREST PIPE JOINT.
4. NOT USED
5. INSTALL 108 LF OF NEW 8" PVC ASTM D3034, SDR35 SS PIPE ALONG WITH A NEW 48" TYPE 1 SSMH. CONNECT INTO EXISTING SSMH. SEE DRAWING C701 FOR SEWER RELOCATION PROFILE.
6. REMOVE 115 LF OF EXISTING 8" CONCRETE SS.
7. INSTALL NEW SIDE SEWER PIPE AS NEEDED TO CONNECT TO EXISTING SIDE SEWER WITH COUPLER PER SPECIFICATIONS. RECONNECT SIDE SEWER AS CLOSE TO SEWER MAIN AS POSSIBLE. NEW PORTION OF SIDE SEWER SHALL BE PER CITY OF MERCER ISLAND SEWER STANDARD DETAIL S-17. MATCH NEW SIDE SEWER MATERIAL TO EXISTING SIDE SEWER.
8. TEST STATION TO BE PROVIDED AT LOCATION SHOWN. CABLES FROM BOTH 16" AND 18" SS TO BE CONTAINED IN THE SAME TEST STATION.
9. PROVIDE 4'-2"x4-2"x3'-2" (LxWxH INTERIOR DIMENSIONS) FO VAULT. PROVIDE TOP WITH 24" DIAMETER ROUND ACCESS LID.
10. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.
11. LOCATION OF SOUND TRANSIT CONDUIT BANK IS NOT SURVEYED AND LOCATED SCHEMATICALLY. CONTRACTOR TO REVIEW RECORD DRAWINGS AND FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

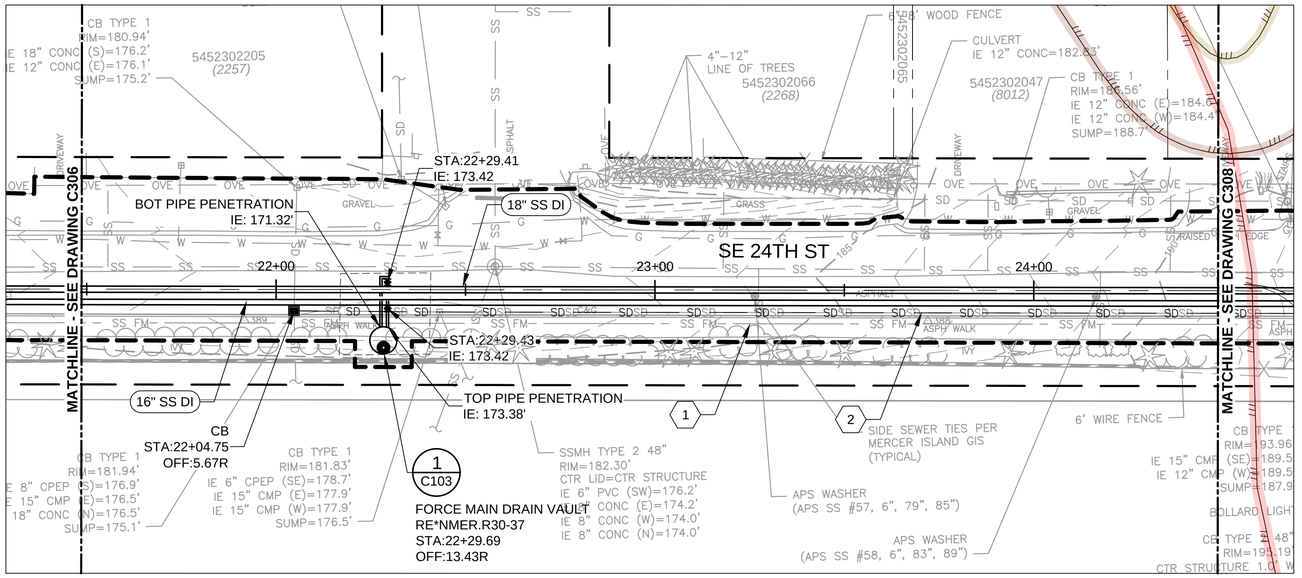
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 17+50 TO STA 21+50

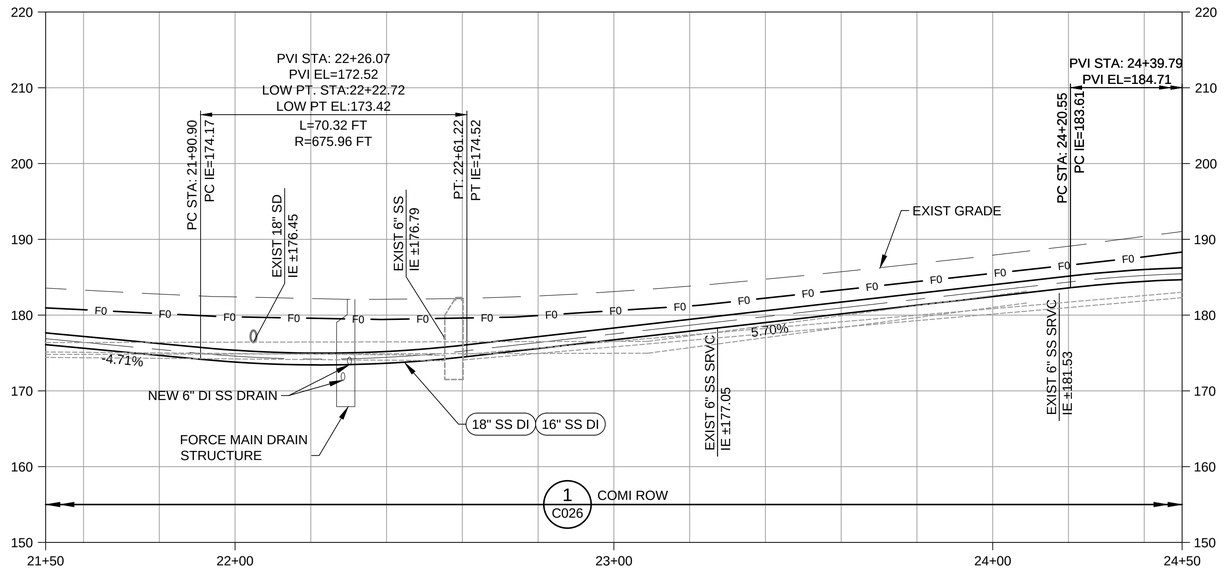
DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C306
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C306.dwg
PLOT DATE: 9/26/2019 10:09 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. FORCE MAIN DRAIN ARRANGEMENT ALLOWS DRAINING FROM ONE NEW FORCE MAIN TO THE OTHER VIA A TRANSFER PUMP. ALTERNATIVELY THE NEW FORCE MAIN COULD BE DISCHARGED TO LOCAL SEWER WITH PERMISSION OF CITY OF MERCER ISLAND OR DISPOSED VIA VACTOR TRUCK OR SIMILAR.
2. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. EXISTING 18" COUNTY SSFM TO REMAIN IN SERVICE DURING CONSTRUCTION.
2. REMOVE AND REPLACE A TOTAL OF 289 LF OF EXISTING 15" SD AND CBs PER CITY OF MERCER ISLAND STANDARDS FOLLOWING CONSTRUCTION OF SS IN THIS AREA.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 21+50 TO STA 24+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C307
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C307.dwg
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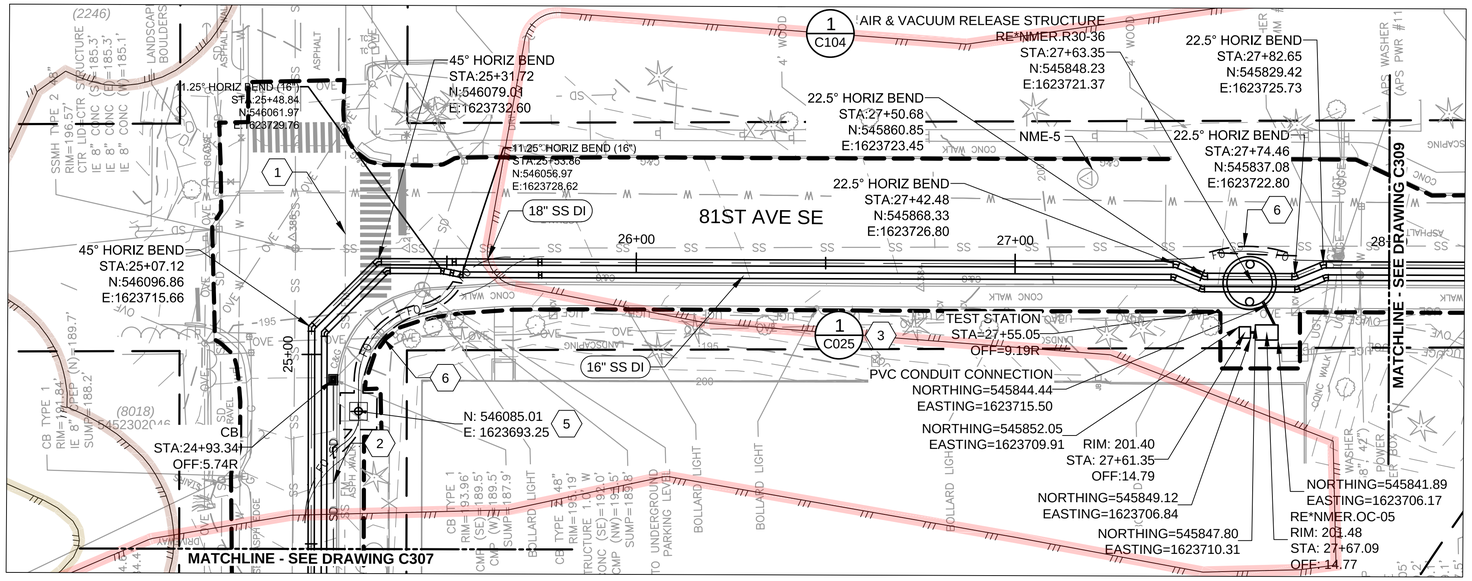
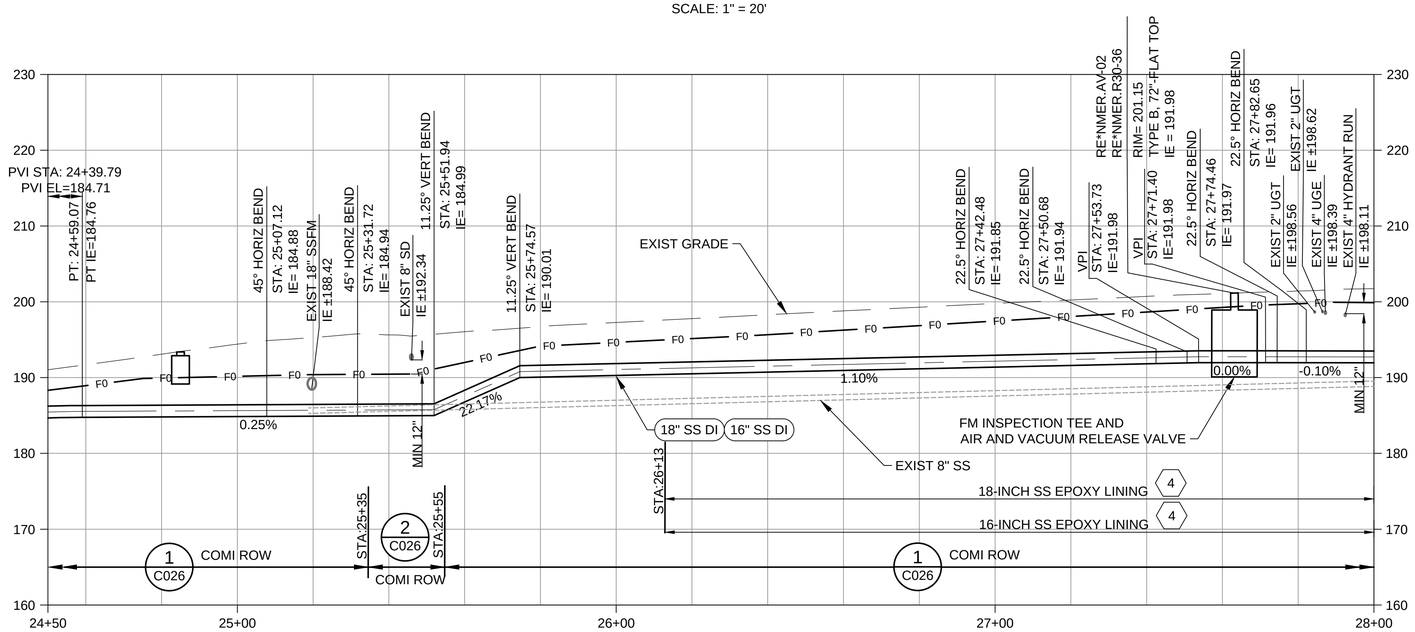
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. EXISTING 18" COUNTY SSFM TO REMAIN IN SERVICE DURING CONSTRUCTION.
2. REMOVE AND REPLACE A TOTAL OF 289 LF OF EXISTING 15" SD AND CBs PER CITY OF MERCER ISLAND STANDARDS FOLLOWING CONSTRUCTION OF SS IN THIS AREA.
3. TEST STATION TO BE PROVIDED AT LOCATION SHOWN. CABLES FROM BOTH 16" AND 18" SS TO BE CONTAINED IN THE SAME TEST STATION.
4. 16-INCH AND 18-INCH SANITARY SEWERS TO BE EPOXY LINED FOR EXTENTS SHOWN ON THE PROFILE. EPOXY LINED DI PIPE SHALL BE PROVIDED IN FULL LENGTH PIPE STICKS ONLY AND SHALL NOT BE FIELD CUT. ROUND PAST EXTENTS TO NEAREST PIPE JOINT.
5. PROVIDE 4'-2"x4'-2"x3'-2" (LxWxH INTERIOR DIMENSIONS) FO VAULT. PROVIDE TOP WITH 24" DIAMETER ROUND ACCESS LID.
6. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN
PLAN AND PROFILE
STA 24+50 TO STA 28+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C308
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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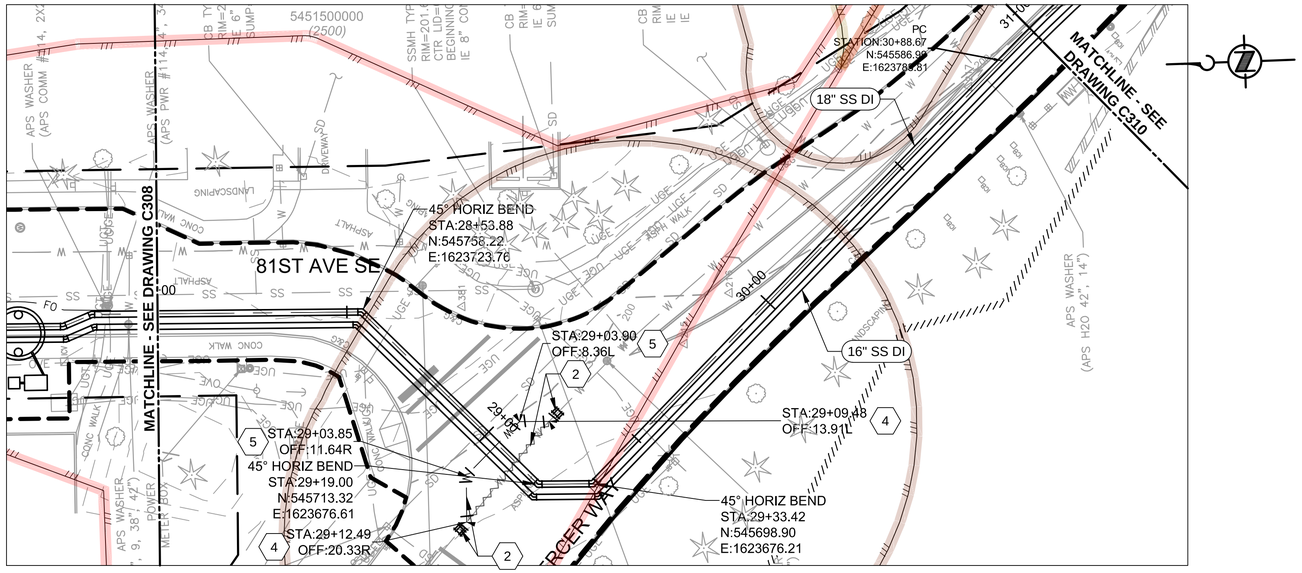
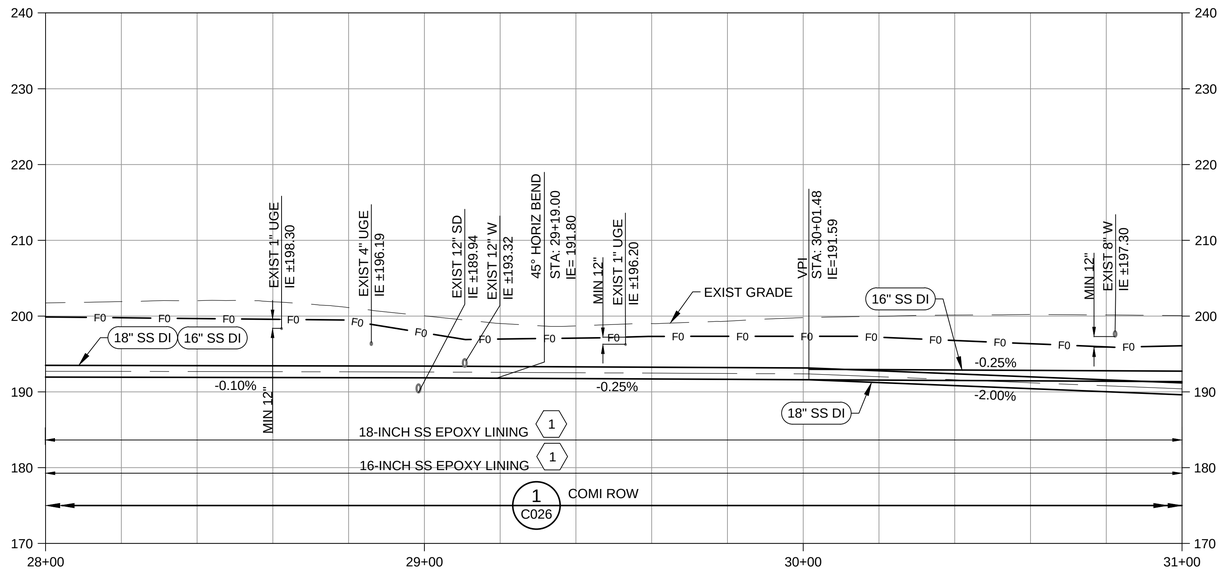
PLOTTED BY: D'Aurio, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. 16-INCH AND 18-INCH SANITARY SEWERS TO BE EPOXY LINED FOR EXTENTS SHOWN ON THE PROFILE. EPOXY LINED DI PIPE SHALL BE PROVIDED IN FULL LENGTH PIPE STICKS ONLY AND SHALL NOT BE FIELD CUT. ROUND PAST EXTENTS TO NEAREST PIPE JOINT.
2. CUT AND REMOVE 34 LF OF 12" DI WATER MAIN AND PROVIDE 40 LF OF 12" DI WATER MAIN. 3. CONNECT TO EXIST WATER MAIN WITH COUPLER. FIELD VERIFY EXIST PIPE MATERIAL, DIAMETER, AND ELEV IN ADVANCE OF CONSTRUCTION. SEE DRAWING C702 FOR WATER RELOCATION PROFILE.
3. NOT USED
4. 12" 45° DI HORIZ BEND (MJ x MJ). HORIZONTAL THRUST BLOCK PER CITY OF MERCER ISLAND STANDARD WATER DETAIL W-5B.
5. 12" 45° DI CMPD BEND (MJ x MJ). HORIZONTAL THRUST BLOCK PER CITY OF MERCER ISLAND STANDARD WATER DETAIL W-5B.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 28+00 TO STA 31+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C309
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C309.dwg
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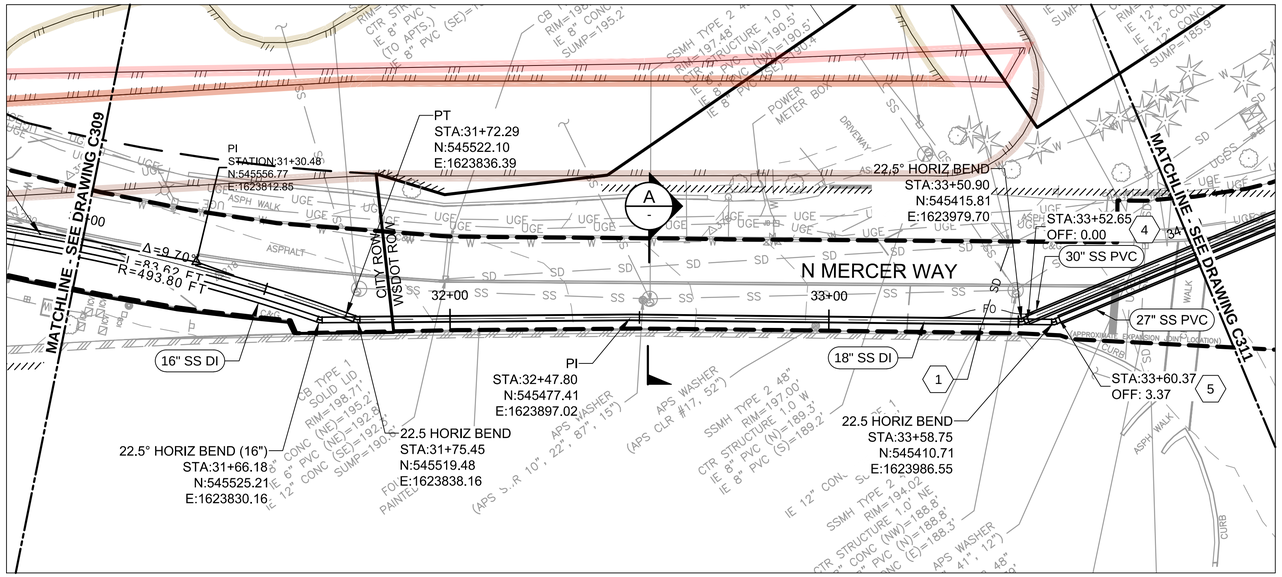
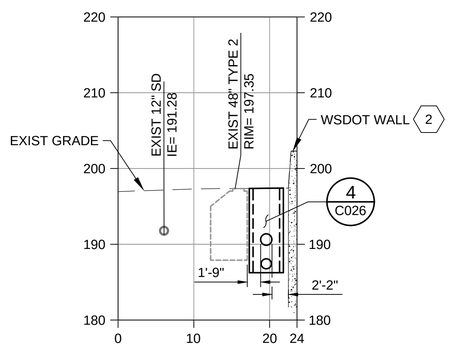


PLAN
SCALE: 1" = 20'



SECTION A
SCALE: 1" = 10'

NOTES:

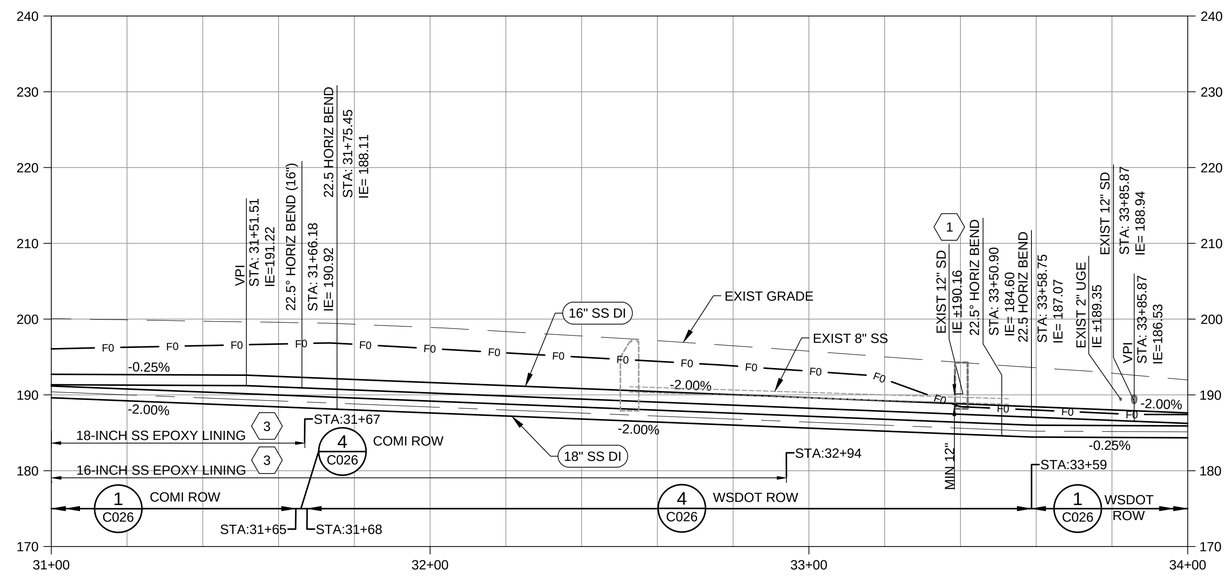
1. BETWEEN STA 31+66.96 AND STA 33+73.08 THE VERTICALLY STACKED NEW FORCE MAIN IS PARALLEL TO THE EXISTING WSDOT RETAINING WALL.
2. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. THE SD CATCH BASIN IS TO BE REMOVED AND REINSTALLED WITH INLET PER WSDOT STANDARD DETAIL B-25.60-01 AND RECONNECTED TO THE EXISTING SD SYSTEM.
2. WSDOT WALL TO BE LOCATED AND PROTECTED DURING CONSTRUCTION.
3. 16-INCH AND 18-INCH SANITARY SEWERS TO BE EPOXY LINED FOR EXTENTS SHOWN ON THE PROFILE. EPOXY LINED DI PIPE SHALL BE PROVIDED IN FULL LENGTH PIPE STICKS ONLY AND SHALL NOT BE FIELD CUT. ROUND PAST EXTENTS TO NEAREST PIPE JOINT.
4. 30" PVC F679 PS 46 CASING PIPE. ANNULAR FILL WITH SAND. REFER TO DETAIL 4/C027 FOR CASING INSTALLATION.
5. 27" PVC F679 PS 46 CASING PIPE. ANNULAR FILL WITH SAND. REFER TO DETAIL 4/C027 FOR CASING INSTALLATION.

NOTE TO REVIEWER:

1. A POTENTIAL SEWER PROFILE ADJUSTMENT IS BEING EVALUATED TO FACILITATE AIR TRANSPORTATION MANAGEMENT. COORDINATION WITH KING COUNTY REGARDING IMPLICATIONS IS ONGOING AND WILL BE REFLECTED IN THE NEXT SUBMITTAL.
2. CASING NOT CURRENTLY SHOWN IN PROFILE VIEW, AS PROFILE WILL BE REEVALUATED POST 90% DURING AIR TRANSPORT ASSESSMENT.



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

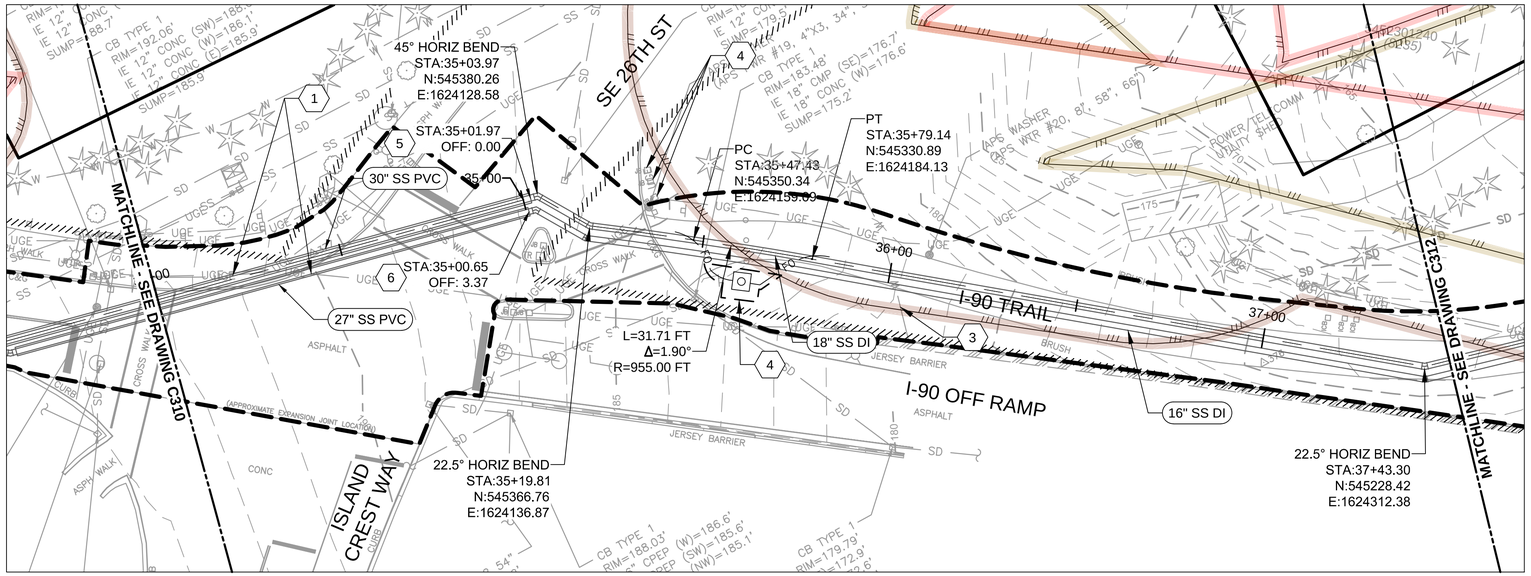
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

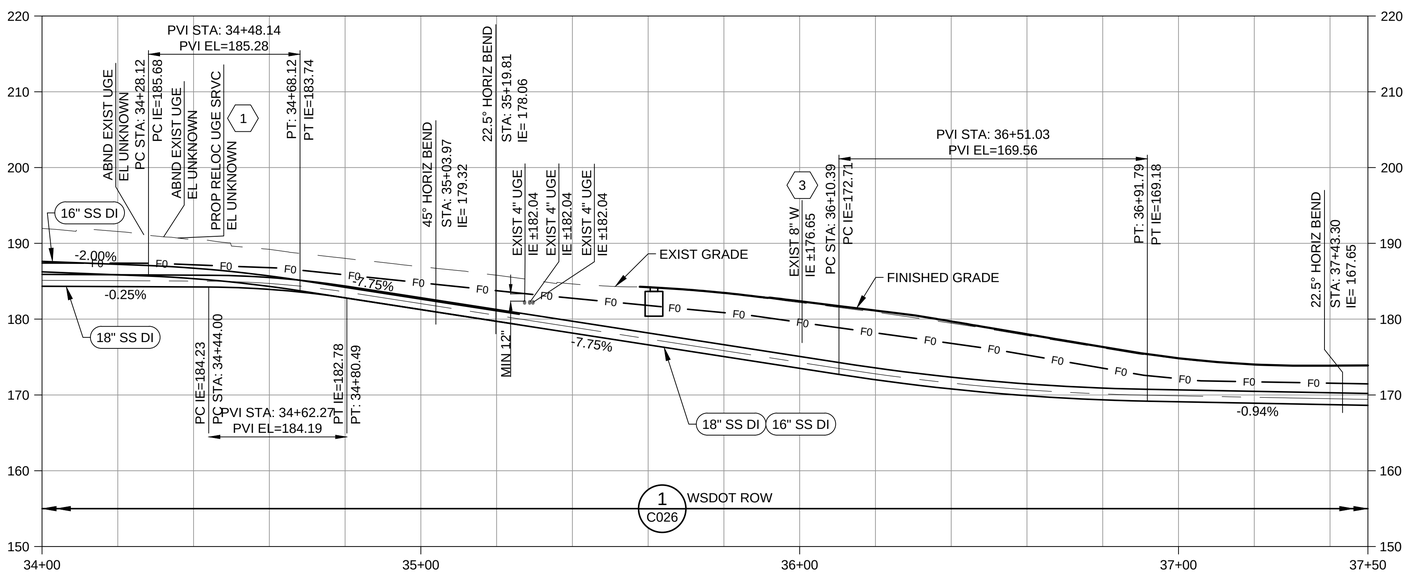
NMPS FORCE MAIN PLAN AND PROFILE STA 31+00 TO STA 34+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C310
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C310.dwg
PLOT DATE: 9/26/2019 10:19 AM
PLOTTED BY: D'Aurio, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. EXISTING WSDOT TRAFFIC SIGNAL CONDUITS CROSS THE PROPOSED TRENCH LINE AT AN OBLIQUE ANGLE. SUPPORT AND PROTECT IN PLACE DURING CONSTRUCTION.
2. PROTECT JB IN PLACE.
3. ELEVATION BASED ON POTHOLED DEPTHS, OFFSET FROM THE PIPE ALIGNMENT. BASED ON AS-BUILT INFORMATION THE DEPTH OF THE EXISTING WATER MAIN INCREASES AT THE NEW FORCE MAIN LOCATION. THE DESIGN PROFILE OF THE NEW FORCE MAIN ALLOWS FOR THE ANTICIPATED EXISTING WATER MAIN PROFILE. THE CONTRACTOR SHALL POTHOLE AND NOTIFY THE PROJECT REPRESENTATIVE AT LEAST 4 WEEKS PRIOR TO CONSTRUCTION OF FORCE MAINS IF A DISCREPANCY IS IDENTIFIED.
4. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.
5. 30" PVC F679 PS 46 CASING PIPE. ANNULAR FILL WITH SAND. REFER TO DETAIL 4/C027 FOR CASING INSTALLATION.
6. 27" PVC F679 PS 46 CASING PIPE. ANNULAR FILL WITH SAND. REFER TO DETAIL 4/C027 FOR CASING INSTALLATION.

NOTE TO REVIEWER:

1. A POTENTIAL SEWER PROFILE ADJUSTMENT IS BEING EVALUATED TO FACILITATE AIR TRANSPORTATION MANAGEMENT. COORDINATION WITH KING COUNTY REGARDING IMPLICATIONS IS ONGOING AND WILL BE REFLECTED IN THE NEXT SUBMITTAL.
2. CASING NOT CURRENTLY SHOWN IN PROFILE VIEW, AS PROFILE WILL BE REEVALUATED POST 90% DURING AIR TRANSPORT ASSESSMENT.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
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- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

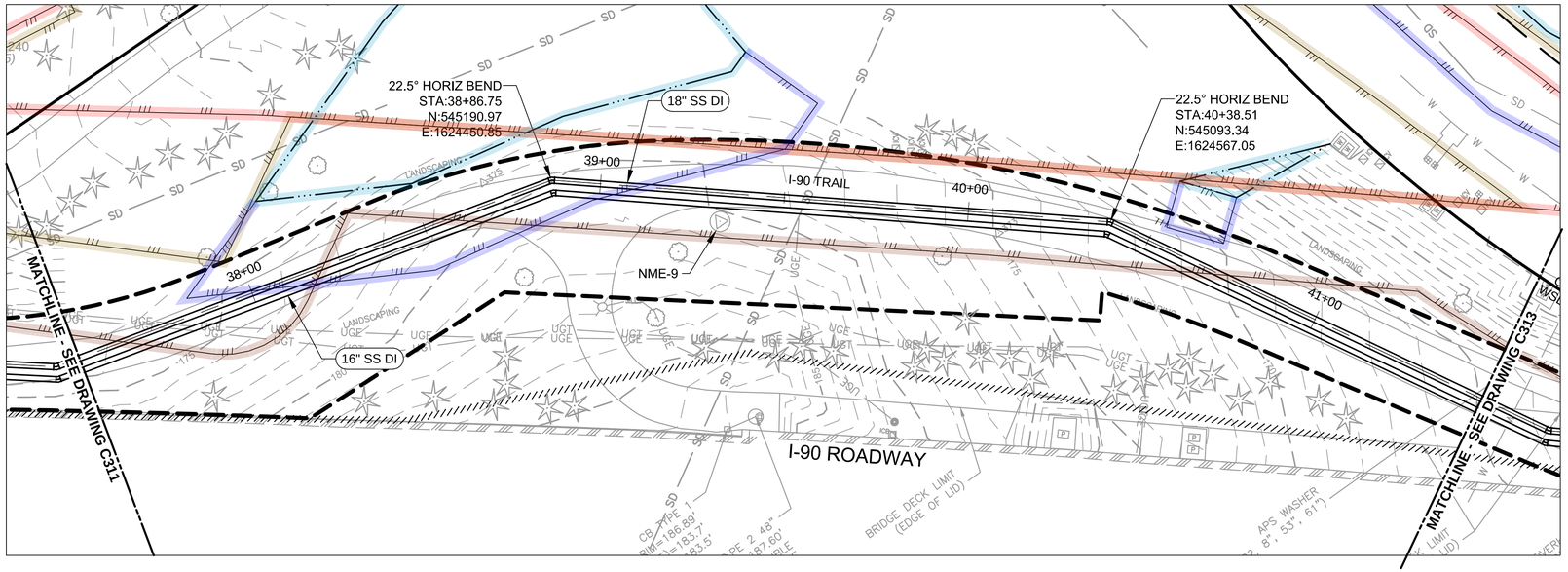
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

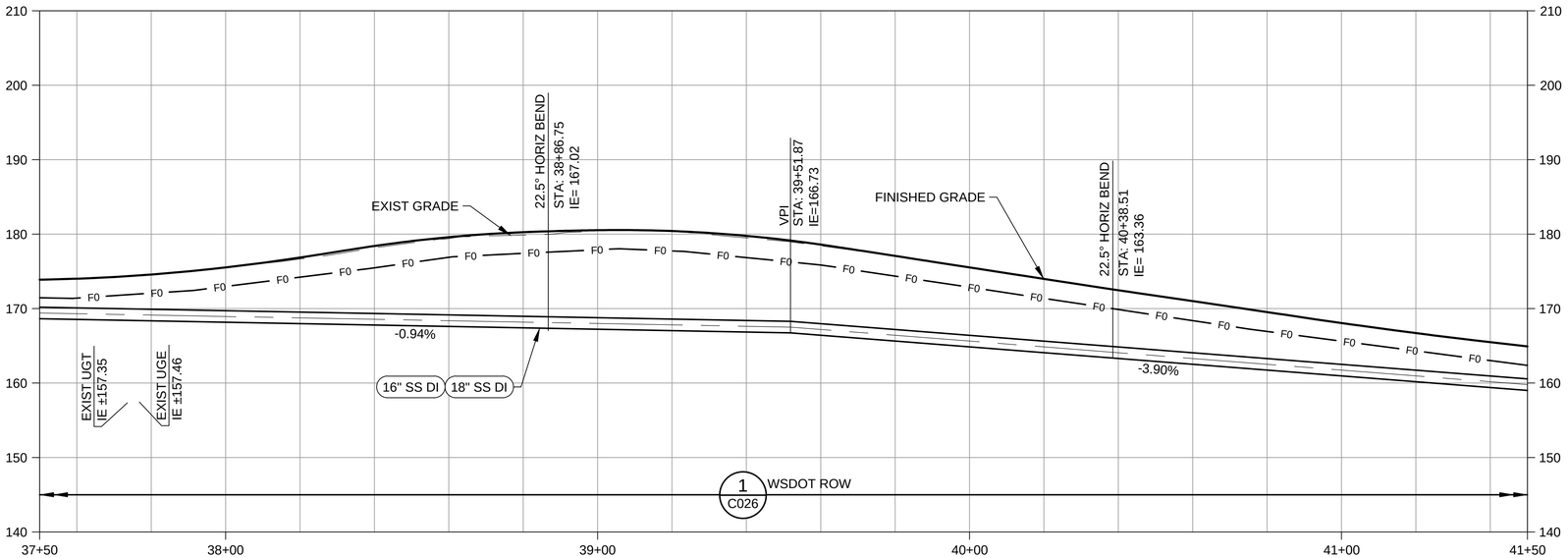
NMPS FORCE MAIN PLAN AND PROFILE STA 34+00 TO STA 37+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C311
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C311.dwg
PLOT DATE: 9/26/2019 10:21 AM
PLOTTED BY: D'Aurio, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
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- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
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- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

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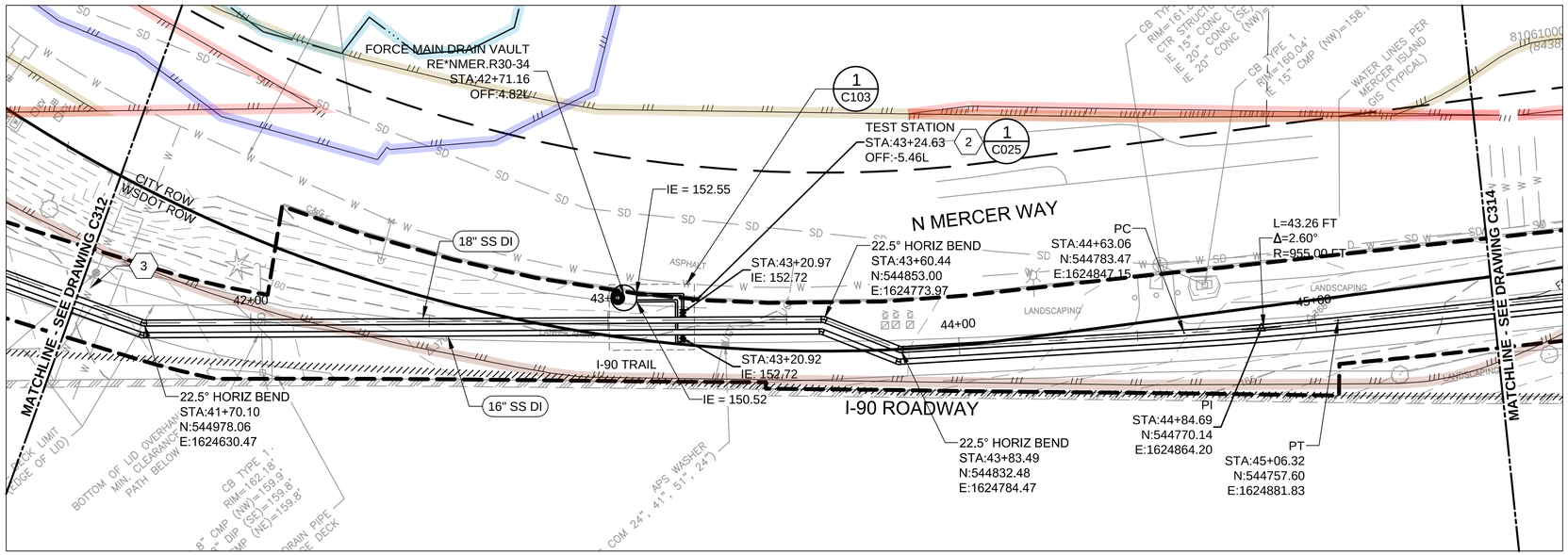
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 37+50 TO STA 41+50

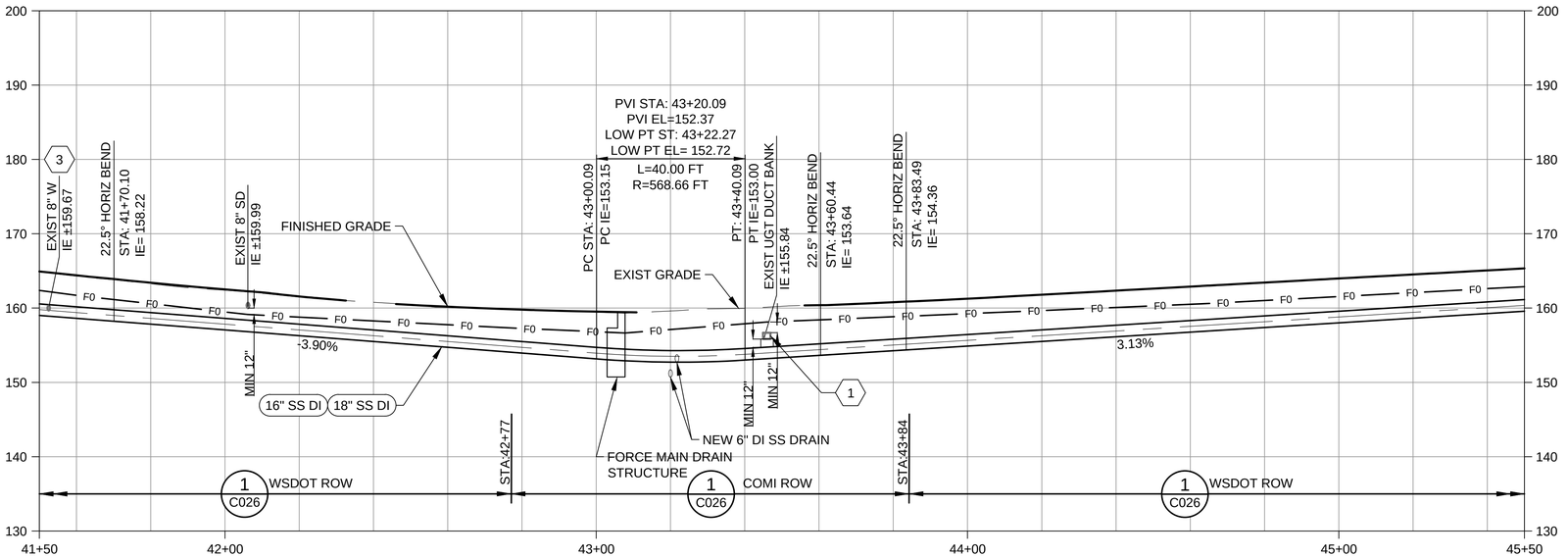
DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C312
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C312.dwg
PLOT DATE: 9/26/2019 10:23 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. FORCE MAIN DRAIN ARRANGEMENT ALLOWS DRAINING FROM ONE NEW FORCE MAIN TO THE OTHER VIA A TRANSFER PUMP. ALTERNATIVELY THE NEW FORCE MAIN COULD BE DISCHARGED TO LOCAL SEWER WITH PERMISSION OF CITY OF MERCER ISLAND OR DISPOSED VIA VACTOR TRUCK OR SIMILAR.
2. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. PROVIDE POLYETHYLENE PLASTIC FOAM PADDING AT THE UGT DUCT BANK CROSSING.
2. TEST STATION TO BE PROVIDED AT LOCATION SHOWN, 6" BEHIND CURB. CABLES FROM BOTH 16" AND 18" SS TO BE CONTAINED IN THE SAME TEST LOCATION.
3. ELEVATION BASED ON POTHOLED DEPTHS OFFSET FROM THE PIPE ALIGNMENT. BASED ON AS-BUILT INFORMATION THE DEPTH OF THE EXISTING WATER MAIN INCREASES AT THE NEW FORCE MAIN LOCATION. THE DESIGN PROFILE OF THE NEW FORCE MAIN ALLOWS FOR THE ANTICIPATED EXISTING WATER MAIN PROFILE. THE CONTRACTOR SHALL POTHOLE AND NOTIFY THE PROJECT REPRESENTATIVE AT LEAST 4 WEEKS PRIOR TO CONSTRUCTION OF FORCE MAINS IF A DISCREPANCY IS IDENTIFIED.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

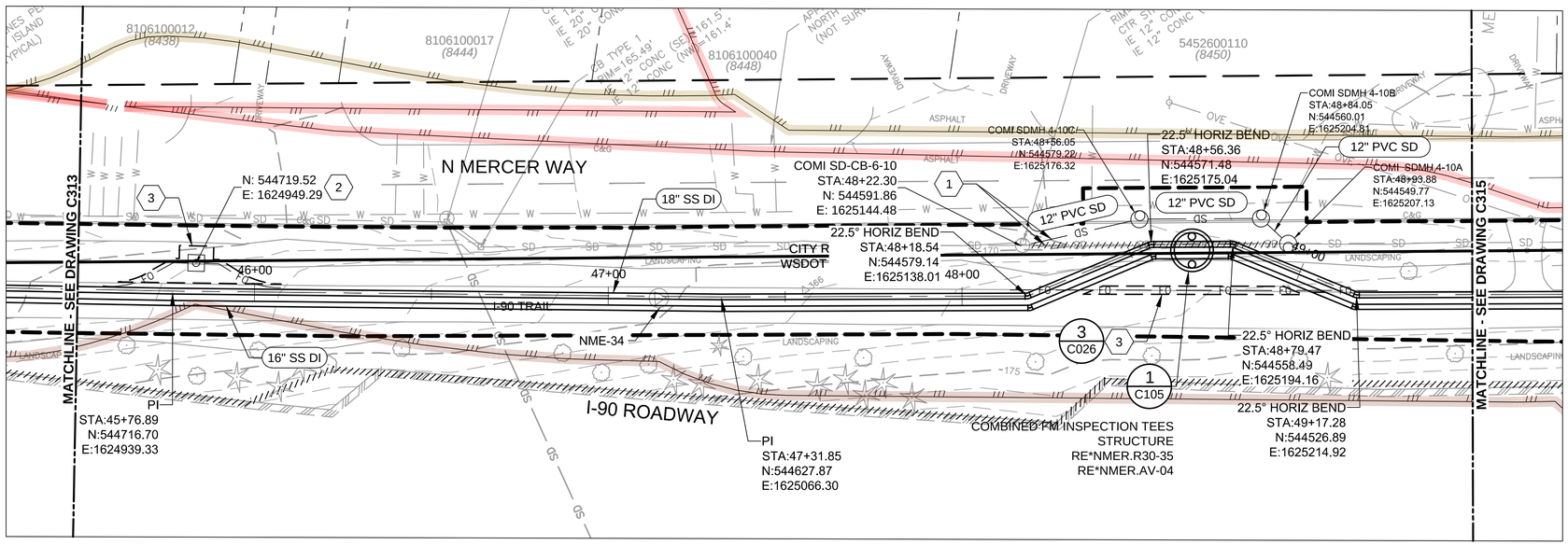
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 41+50 TO STA 45+50

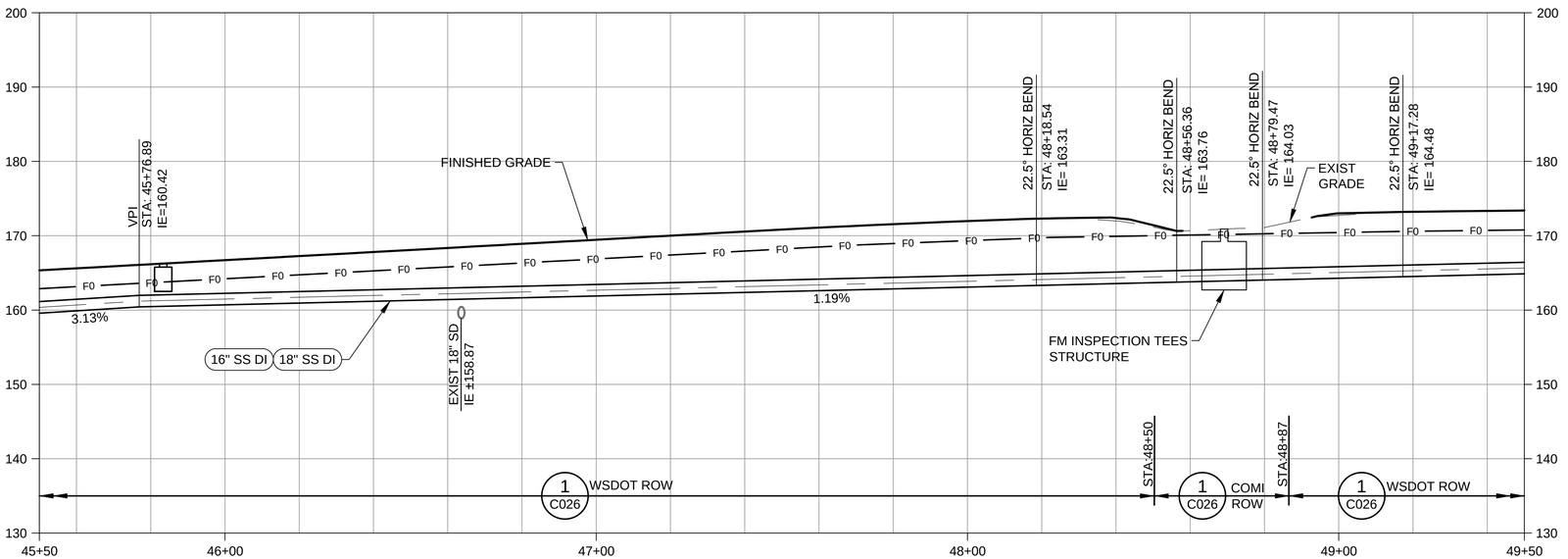
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C313
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C313.dwg
PLOT DATE: 9/26/2019 10:26 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. REMOVE 70 LF OF 12" CON STORM DRAIN AND INSTALL 67 LF OF 12" CON STORM DRAIN AND THREE TYPE A, 48" STORM DRAIN MAINTENANCE HOLES. SEE DRAWING C703 FOR STORM DRAIN RELOCATION PROFILE.
2. PROVIDE 4'-2"x4'-2"x3'-2" (LxWxH INTERIOR DIMENSIONS) FO VAULT. PROVIDE TOP WITH 24" DIAMETER ROUND ACCESS LID.
3. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

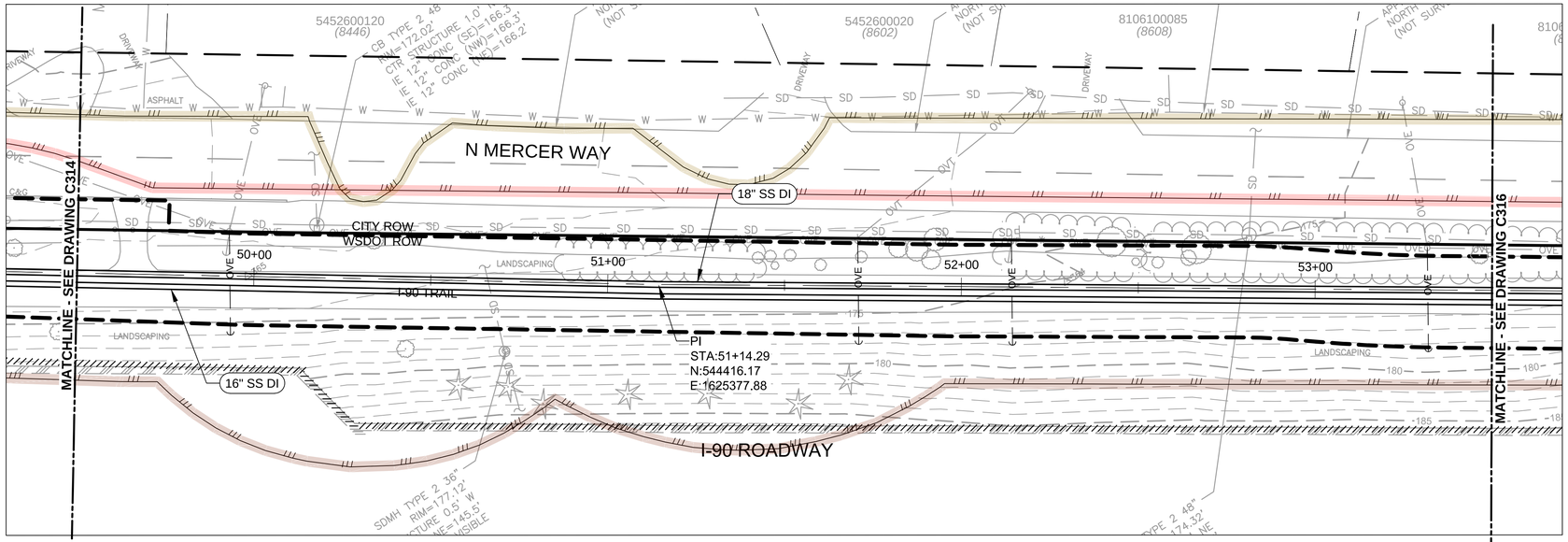
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 45+50 TO STA 49+50

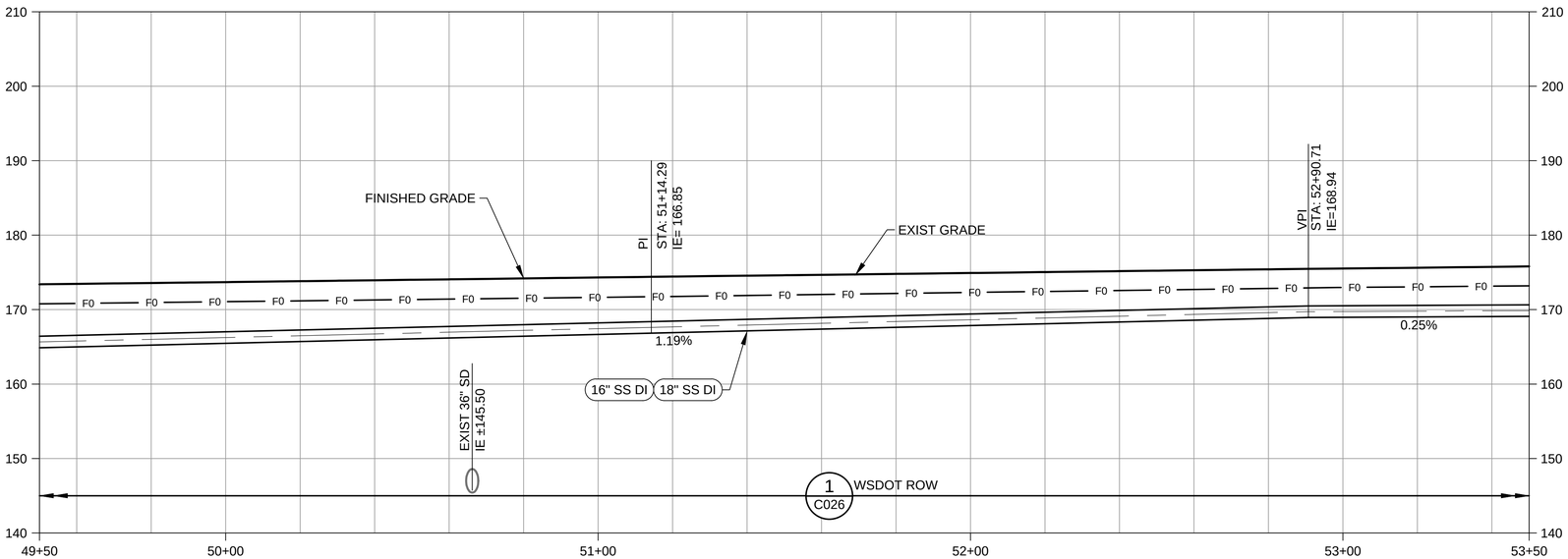
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C314
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C314.dwg
PLOT DATE: 9/26/2019 10:28 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

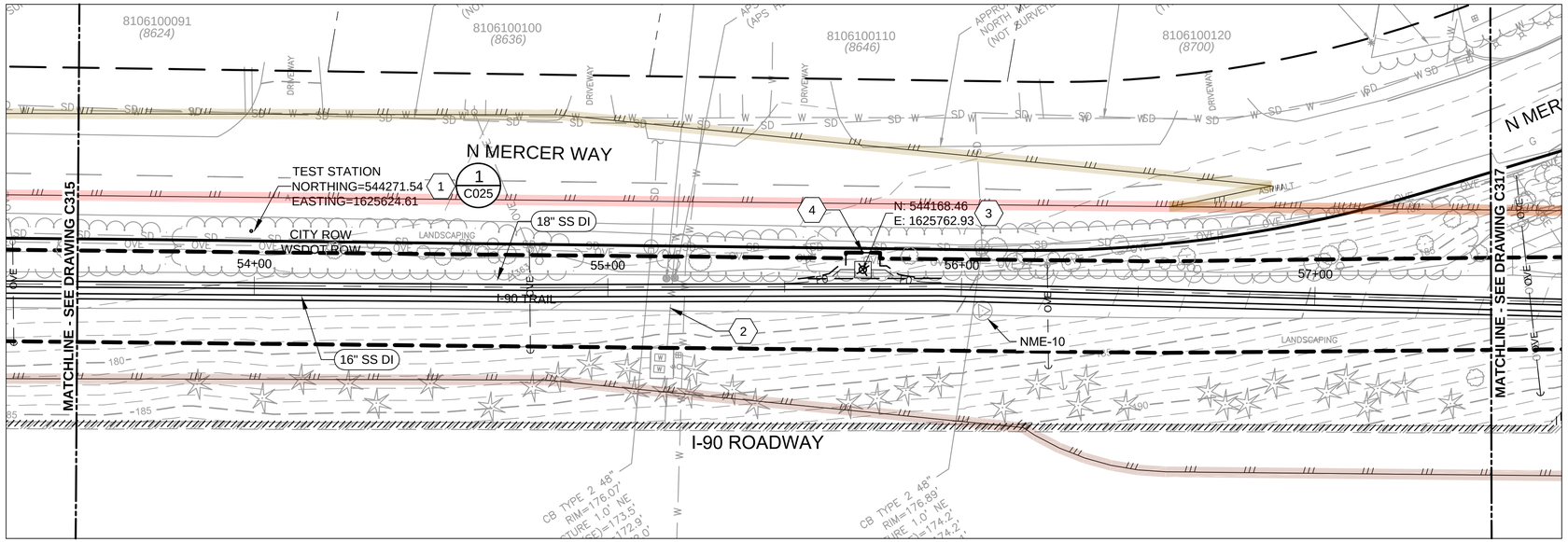
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 49+50 TO STA 53+50

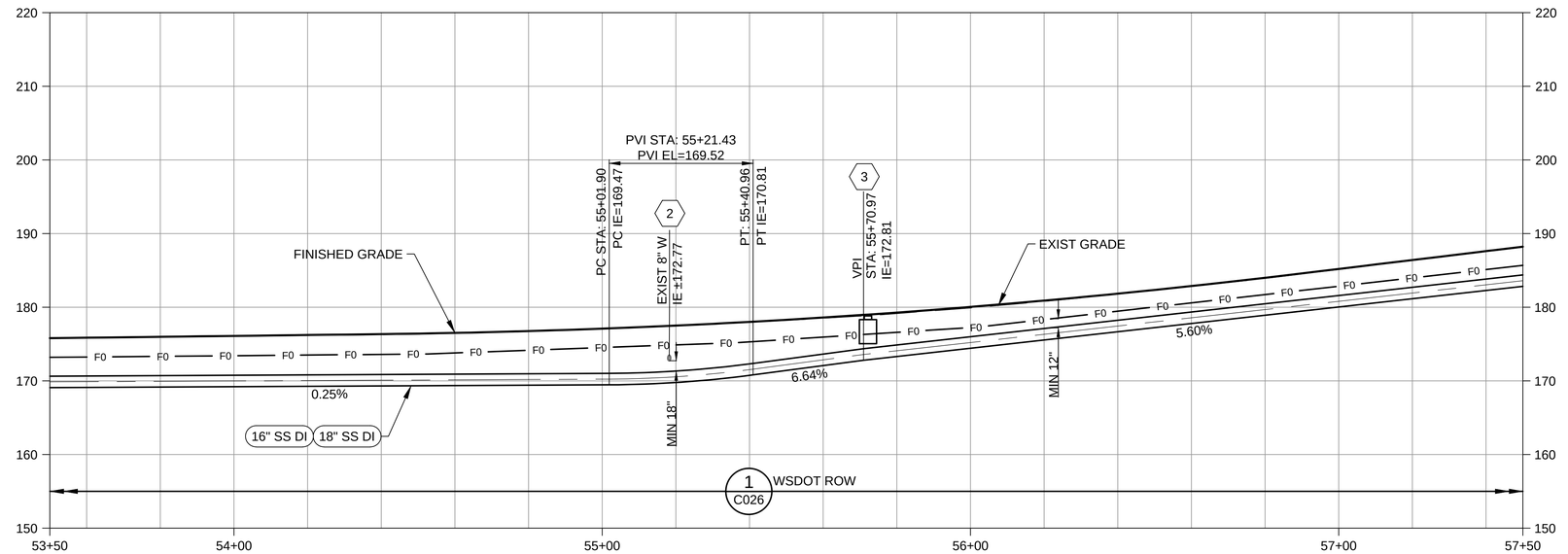
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C315
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C315.dwg
PLOT DATE: 9/26/2019 10:31 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. TEST STATION TO BE PROVIDED AT LOCATION SHOWN. CABLES FROM BOTH 16" AND 18" SS TO BE CONTAINED IN THE SAME TEST STATION.
2. ELEVATION BASED ON POTHOLED DEPTHS OFFSET FROM THE PIPE ALIGNMENT. BASED ON AS-BUILT INFORMATION THE DEPTH OF THE EXISTING WATER MAIN INCREASES AT THE NEW FORCE MAIN LOCATION. THE DESIGN PROFILE OF THE NEW FORCE MAIN ALLOWS FOR THE ANTICIPATED EXISTING WATER MAIN PROFILE. THE CONTRACTOR SHALL POTHOLE AND NOTIFY THE PROJECT REPRESENTATIVE AT LEAST 4 WEEKS PRIOR TO CONSTRUCTION OF FORCE MAINS IF A DISCREPANCY IS IDENTIFIED.
3. PROVIDE 4'-2"x4'-2"x3'-2" (LxWxH INTERIOR DIMENSIONS) FO VAULT. PROVIDE TOP WITH 24" DIAMETER ROUND ACCESS LID.
4. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.

NOTE TO REVIEWER:

1. FORCE MAIN INSPECTION TEE STRUCTURE LOCATION AND REQUISITE STORM DRAIN RELOCATION TO BE EVALUATED POST 90% BASED ON CITY OF MERCER ISLAND PRE-90% COMMENTS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

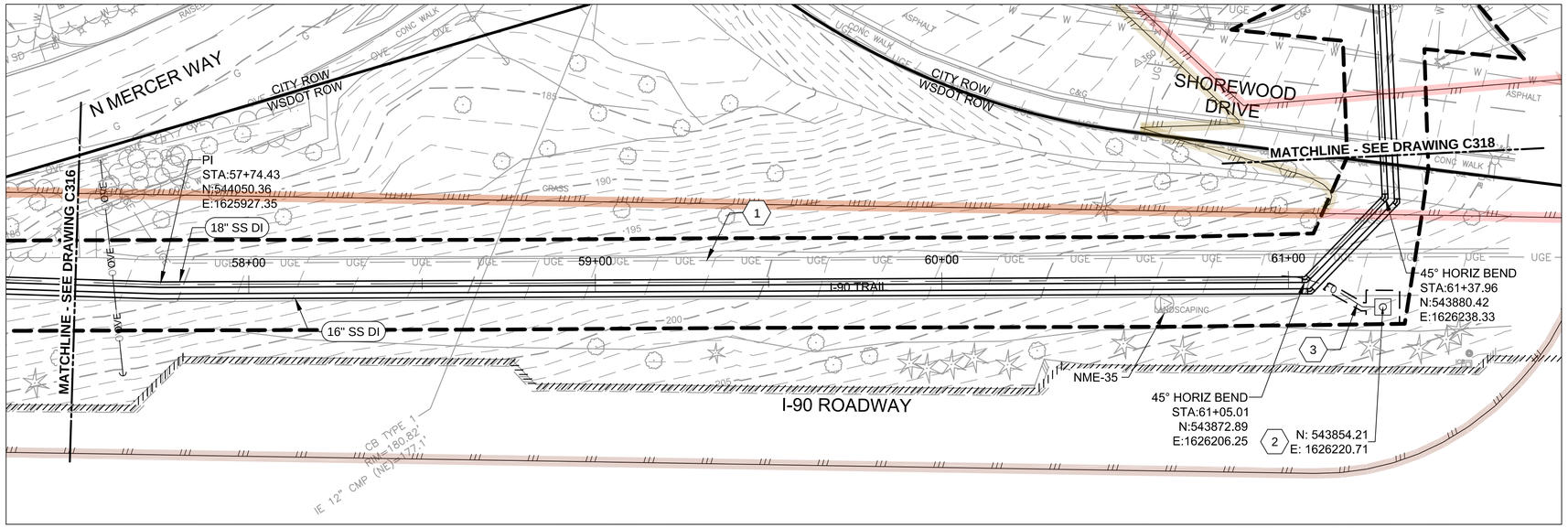
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN
PLAN AND PROFILE
STA 53+50 TO STA 57+50

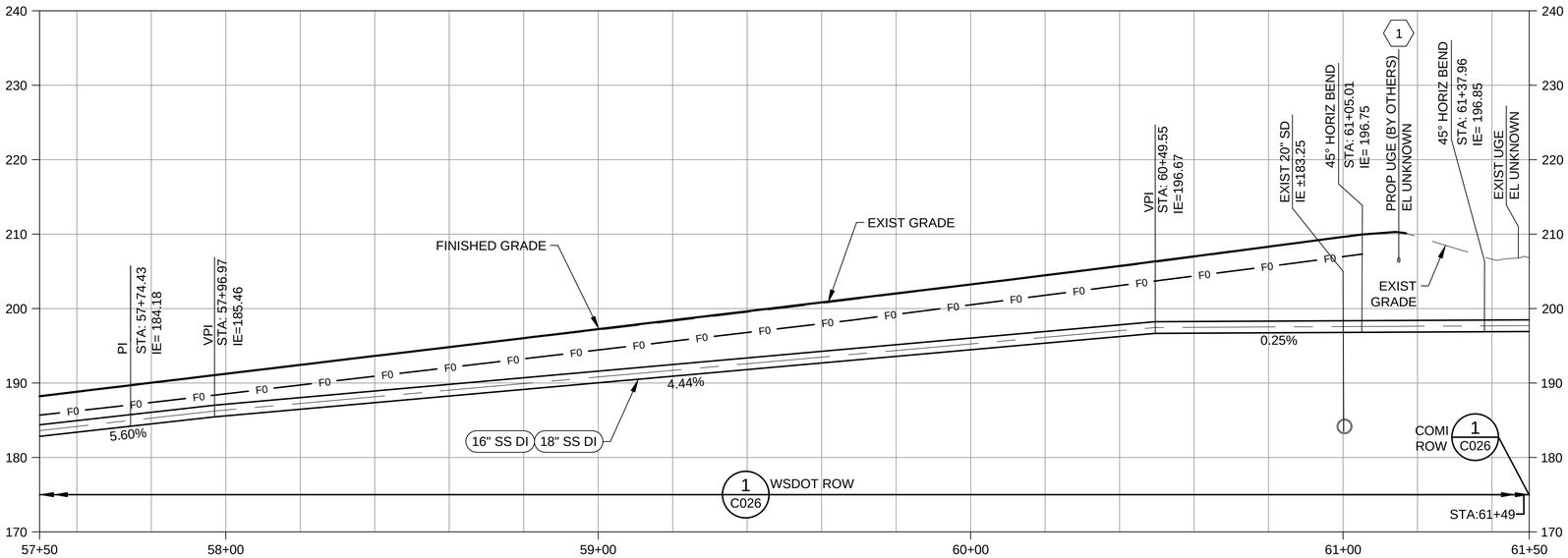
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C316
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C316.dwg
PLOT DATE: 9/26/2019 10:33 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. PROPOSED ELECTRICAL UTILITY POSITION BASED ON PRELIMINARY ALIGNMENT FROM SOUND TRANSIT. CONTRACTOR TO LOCATE UTILITY IN ADVANCE OF CONSTRUCTION AND CONFIRM LOCATION SHOWN IN THE PLANS.
2. PROVIDE 4'-2"x4'-2"x3'-2" (LxWxH INTERIOR DIMENSIONS) FO VAULT. PROVIDE TOP WITH 24" DIAMETER ROUND ACCESS LID.
3. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

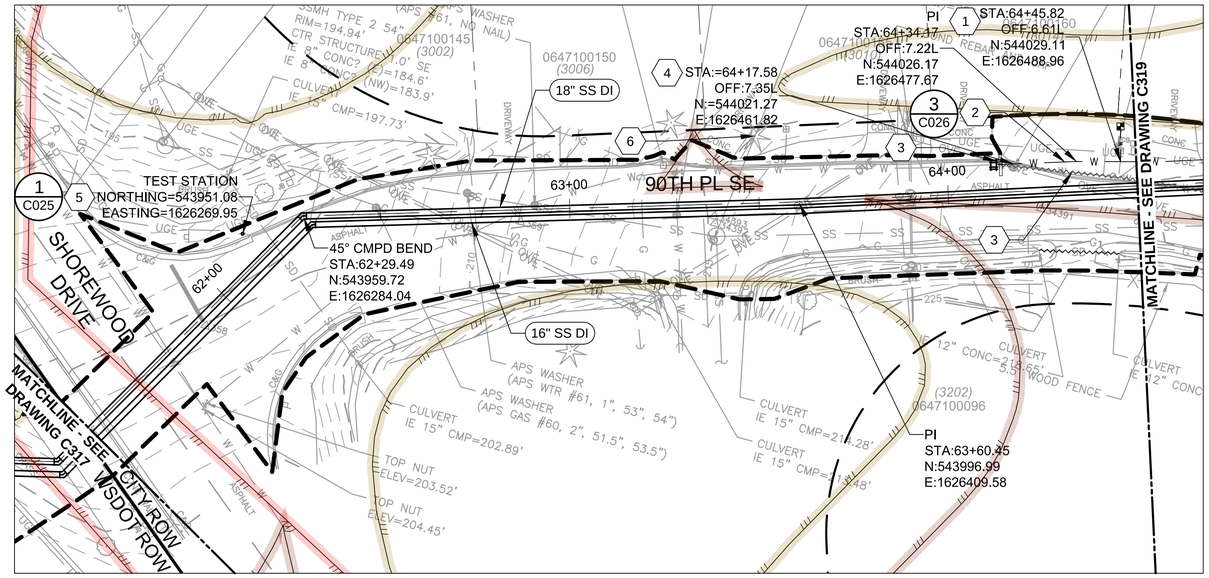
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 57+50 TO STA 61+50

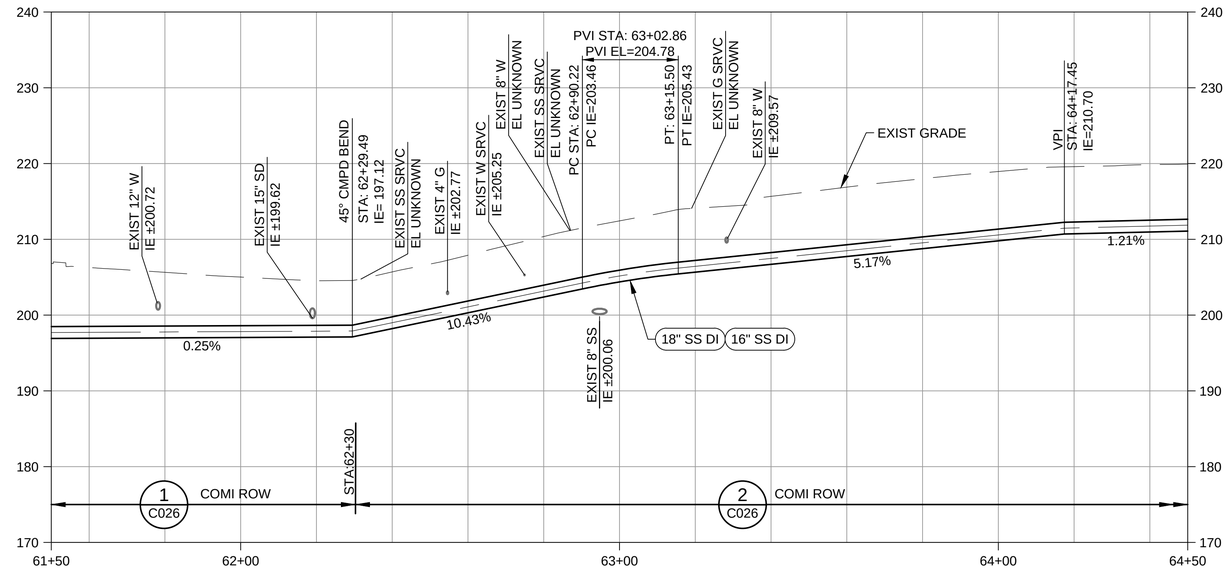
DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C317
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C317.dwg
PLOT DATE: 9/26/2019 10:35 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. OVERHEAD UTILITIES NOT NECESSARILY ALL SHOWN, FOR CLARITY. SEE G200 SERIES FOR OVERHEAD UTILITY LOCATIONS.
2. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. REMOVE WATER METER AND PROVIDE NEW WATER METER 3 FT FROM ROW LINE.
2. PROVIDE 150 LF OF FULLY RESTRAINED 6" DI CL 52 WATER MAIN IN ACCORDANCE WITH CITY OF MERCER ISLAND STANDARD DETAILS AND SPECIFICATIONS. SEE DRAWING C702 FOR WATER RELOCATION PROFILE.
3. ABANDON EXISTING WATER MAIN. CUT, REMOVE, AND CAP ABANDONED PORTION AS NEEDED FOR CONSTRUCTION. CONNECT TO EXISTING WATER MAIN WITH COUPLER. FIELD VERIFY EXISTING PIPE MATERIAL AND ELEVATION IN ADVANCE OF CONSTRUCTION.
4. CONNECT TO EXISTING WATER MAIN WITH COUPLER. FIELD VERIFY EXISTING PIPE MATERIAL AND ELEVATION IN ADVANCE OF CONSTRUCTION.
5. IN-LINE PIPE ANCHOR PER CITY OF MERCER ISLAND STANDARD DETAIL W-6B.
6. TEST STATION TO BE PROVIDED AT LOCATION SHOWN, 6" BEHIND CURB. CABLES FROM BOTH 16" AND 18" SS TO BE CONTAINED IN THE SAME TEST STATION.
7. ARBORIST MUST BE PRESENT IF ASPHALT IS REMOVED WITHIN MLOD. SEE C200 SERIES SHEETS FOR MLOD AND RLOD LOCATION INFORMATION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

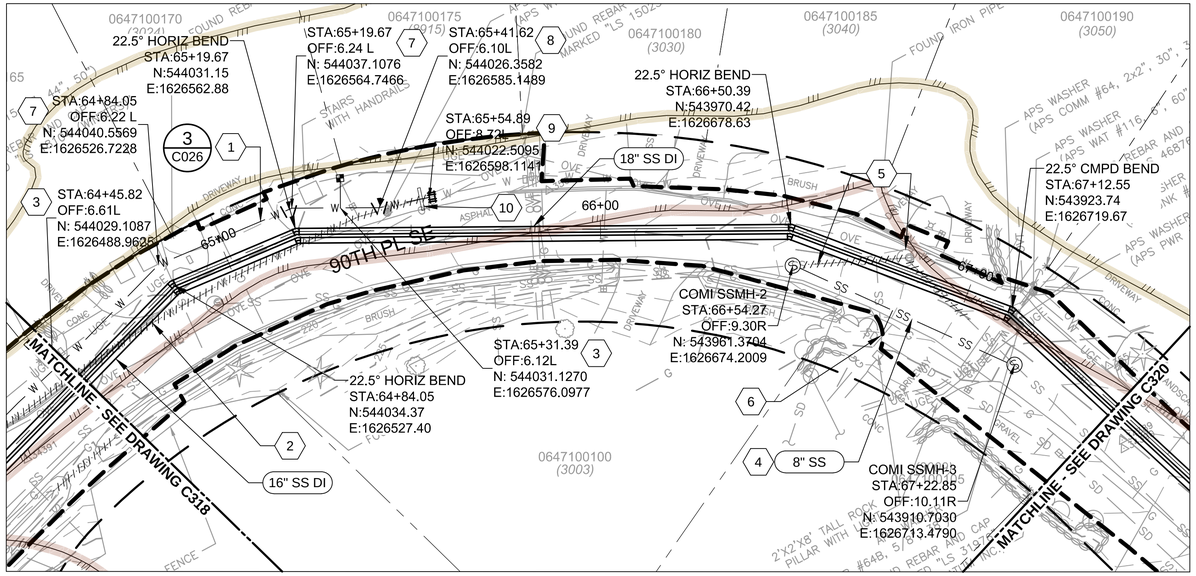
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 61+50 TO STA 64+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C318
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C318.dwg
PLOT DATE: 9/26/2019 10:38 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'

PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. FOR CLARITY, NOT ALL OVERHEAD AND UNDERGROUND UTILITIES ARE SHOWN . SEE G200 SERIES FOR OVERHEAD AND UNDERGROUND UTILITY LOCATIONS.
2. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. PROVIDE 150 LF OF FULLY RESTRAINED 6" DI CL 52 WATER MAIN IN ACCORDANCE WITH CITY OF MERCER ISLAND STANDARD DETAILS AND SPECIFICATIONS. SEE DRAWING C702 FOR WATER RELOCATION PROFILE.
2. REMOVE 145 LF OF 6" CI WATER MAIN.
3. REMOVE AND INSTALL NEW 1 " WATER METER PER CITY OF MERCER ISLAND STANDARD DETAIL W-13.
4. PROVIDE 50 LF OF NEW 8" PVC ASTM D3034, SDR35 SS PIPE ALONG WITH TWO NEW 48" TYPE 1 SSMHs (COMI STD DET S-5). SEE DRAWING C701 FOR SEWER RELOCATION PROFILE.
5. REMOVE 67 LF OF EXISTING 8" CONCRETE SS AND REMOVE ONE 54" TYPE 1 SSMH.
6. PROVIDE NEW SIDE SEWER PIPE AS NEEDED TO CONNECT TO EXISTING SIDE SEWER WITH COUPLER PER SPECIFICATIONS. RECONNECT SIDE SEWER AS CLOSE TO SEWER MAIN AS POSSIBLE. NEW PORTION OF SIDE SEWER SHALL BE PER CITY OF MERCER ISLAND SEWER STANDARD DETAIL S-17. MATCH NEW SIDE SEWER MATERIAL TO EXISTING SIDE SEWER.
7. 6" 22.5° DI BEND (MJ x MJ) FULLY RESTRAINED.
8. 6" 11.25° DI BEND (MJ x MJ) FULL RESTRAINED.
9. CUT AND REMOVE EXISTING WATER MAIN AS NEEDED. CONNECT TO EXISTING WATER MAIN WITH COUPLER. FIELD VERIFY EXISTING PIPE MATERIAL AND ELEV IN ADVANCE OF CONSTRUCTION.
10. IN-LINE PIPE ANCHOR PER CITY OF MERCER ISLAND STANDARD DETAIL W-6B.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 64+50 TO STA 67+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C319
SHT NO / TOTAL	/
REV NO:	

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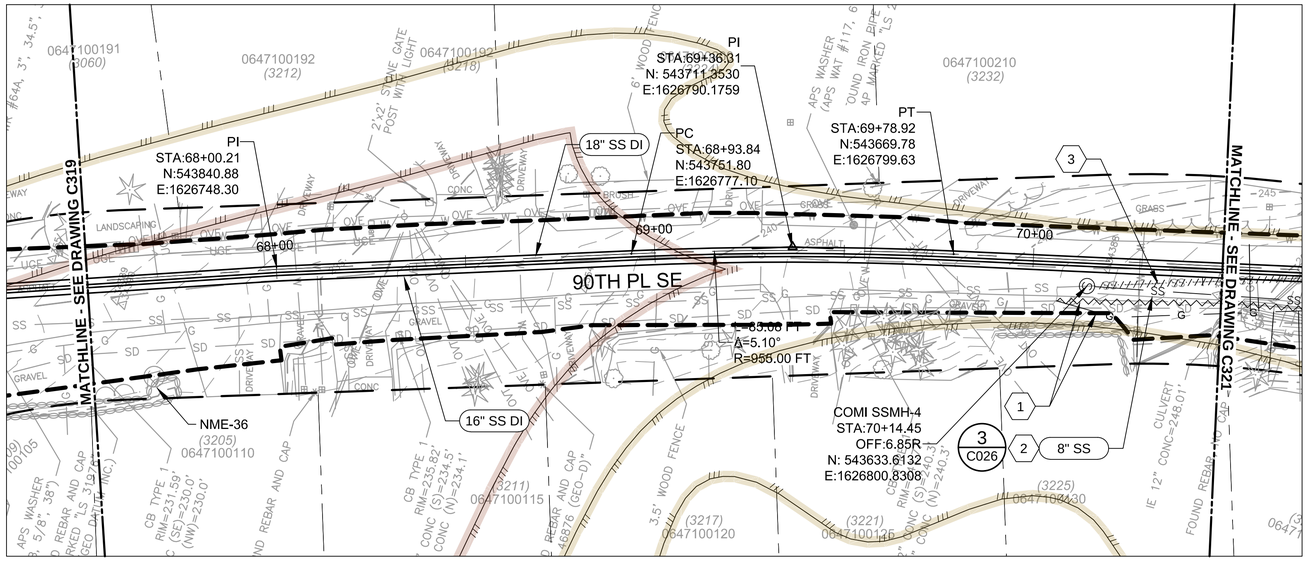
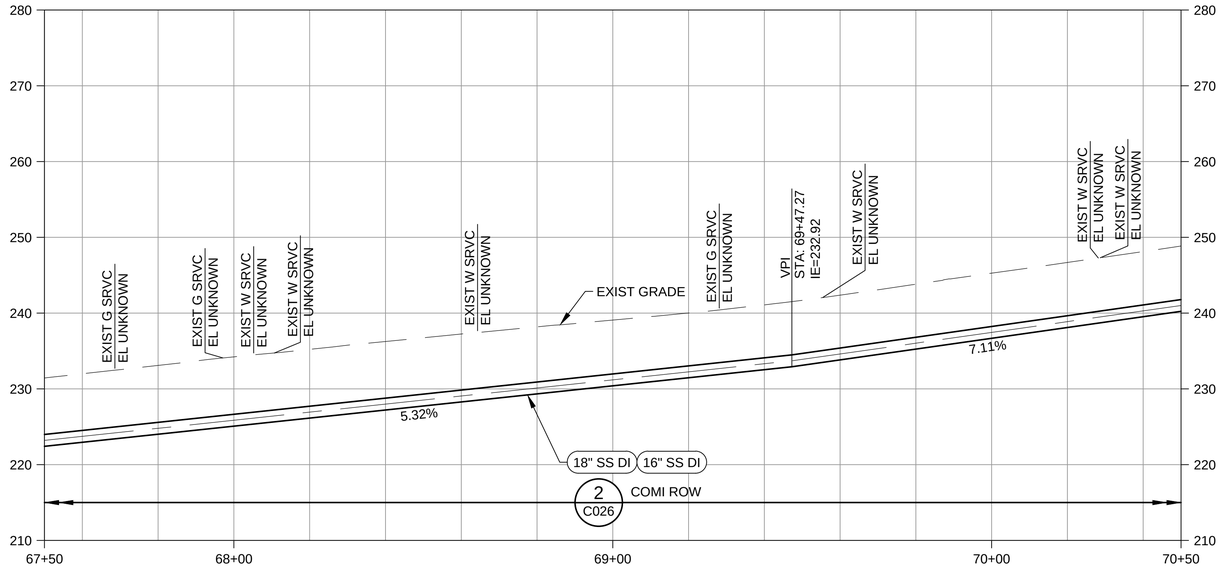
PLOT DATE: 9/26/2019 10:40 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. FOR CLARITY, NOT ALL OVERHEAD AND UNDERGROUND UTILITIES ARE SHOWN . SEE G200 SERIES FOR OVERHEAD AND UNDERGROUND UTILITY LOCATIONS.
2. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. GAS LINE TO BE ABANDONED BY PSE IN ADVANCE OF CONSTRUCTION. REMOVE ABANDONED PIPE AS NEEDED TO COMPLETE WORK. AFTER REMOVING PIPE, CAP ENDS OF ADJACENT PIPE TO REMAIN IN THE GROUND. CONFIRM LINE HAS BEEN DEACTIVATED BEFORE BEGINNING WORK.
2. PROVIDE 124 LF OF NEW 8" PVC ASTM D3034, SDR35 SS PIPE ALONG WITH A NEW 48" TYPE 1 SSMH. SEE DRAWING C701 FOR SEWER RELOCATION PROFILE.
3. REMOVE 175 LF OF EXISTING 8" CONCRETE SS AND REMOVE TWO 54" TYPE 1 SSMHs.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING

INFORMATION ONLY

DRAFT

MERCER ISLAND LAND USE SET

SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION

NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN PLAN AND PROFILE STA 67+50 TO STA 70+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C320
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C320.dwg
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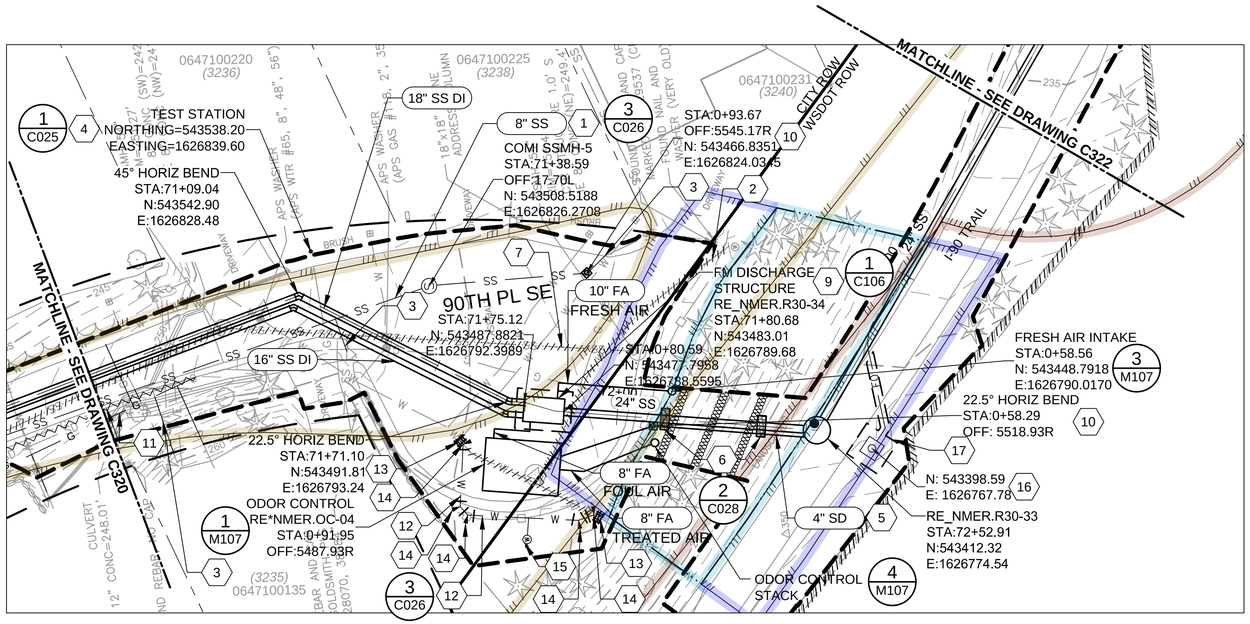
PLOTTED BY: D'Auria, Isaac

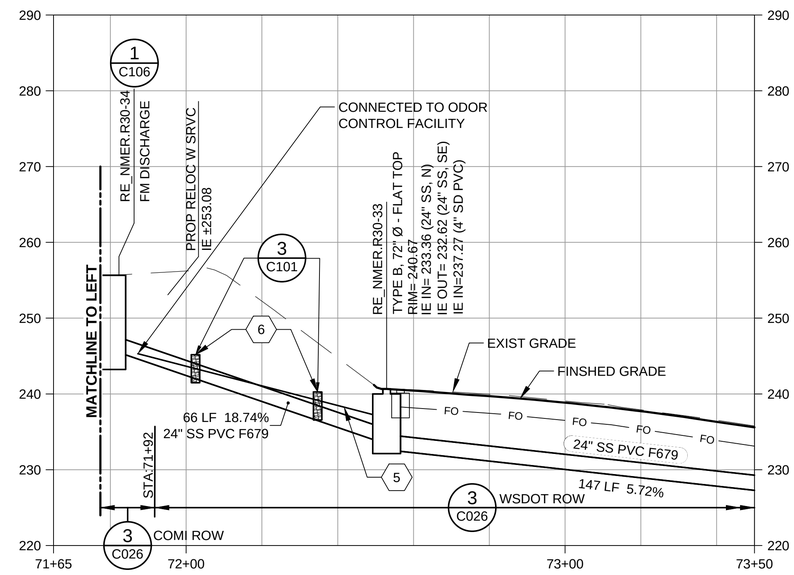


PLAN

SCALE: 1" = 20'

PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

NOTES:

1. OVERHEAD UTILITIES NOT SHOWN FOR CLARITY. SEE C100 SERIES FOR OVERHEAD UTILITY LOCATIONS.
2. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. PROVIDE 124 LF OF NEW 8" PVC ASTM D3034, SDR35 SS PIPE ALONG WITH A NEW 48" TYPE 1 SSMH. SEE DRAWING C701 FOR SEWER RELOCATION PROFILE.
2. RELOCATE AND ABANDON EXISTING WATER LINE IN ADVANCE OF CONSTRUCTION. SEE DRAWING C702 FOR WATER RELOCATION PROFILE. CUT, REMOVE PORTIONS OF ABANDONED MAIN, AND CAP AS NEEDED.
3. PROVIDE NEW SIDE SEWER PIPE AS NEEDED TO CONNECT TO EXISTING SIDE SEWER WITH COUPLER PER SPECIFICATIONS. CONTRACTOR TO FIELD VERIFY SIDE SEWER LOCATION AND RECONNECT SIDE SEWER AS CLOSE TO SEWER MAIN AS POSSIBLE. NEW PORTION OF SIDE SEWER SHALL BE PER CITY OF MERCER ISLAND SEWER STANDARD DETAIL S-17. MATCH NEW SIDE SEWER MATERIAL TO EXISTING SIDE SEWER.
4. TEST STATION TO BE PROVIDED AT LOCATION SHOWN. CABLES FROM BOTH 16" AND 18" SS TO BE CONTAINED IN THE SAME TEST STATION.
5. 4" SANITARY DRAIN PIPE AT APPROX 12% SLOPE.
6. BENTONITE TRENCHSTOPS PLACED BEHIND THE SOCKET OF EACH PVC PIPE SEGMENT ALONG THE EMBANKMENT.
7. ABANDON 178 LF OF EXISTING 8" CONCRETE SS AND TWO 54" TYPE 1 SSMHs AND REMOVE AS NECESSARY.
8. 16-INCH AND 18-INCH TO BE EPOXY LINED FOR EXTENTS SHOWN ON THE PROFILE ROUNDED UP TO THE NEAREST FULL PIPE LENGTH. EPOXY LINED DI PIPE SHALL EXTEND TO AT LEAST THE EXTENTS SHOWN IN THE PROFILE. EPOXY LINED DI PIPE SHALL BE PROVIDED IN FULL LENGTH PIPE STICKS ONLY AND SHALL NOT BE FIELD CUT.
9. STATION, COORDINATES, AND RIM SHOWN REPRESENT THE CENTER OF THE FORCE MAIN DISCHARGE STRUCTURE.
10. PROVIDE SIDE SEWER CLEAN OUT PER CITY OF MERCER ISLAND SEWER DETAIL S-19.
11. GAS LINE TO BE ABANDONED BY PSE IN ADVANCE OF CONSTRUCTION. REMOVE ABANDONED PIPE AS NEEDED TO COMPLETE WORK. AFTER REMOVING PIPE, CAP ENDS OF ADJACENT PIPE TO REMAIN IN THE GROUND. CONFIRM LINE HAS BEEN DEACTIVATED BEFORE BEGINNING WORK.
12. ABANDON AND REMOVE AS NECESSARY 121 LF OF 8" DI WATER MAIN AND INSTALL 56 LF OF 8" DI WATER MAIN. SEE DRAWING C702 FOR WATER RELOCATION PROFILE.
13. CUT AND REMOVE EXIST WATER MAIN AS NEEDED. CONNECT TO EXIST WATER MAIN WITH COUPLER. FIELD VERIFY EXIST PIPE MATERIAL, DIAMETER, AND ELEV IN ADVANCE OF CONSTRUCTION.
14. 8" 45° DI HORIZ BEND (MJ x MJ). HORIZONTAL THRUST BLOCK PER CITY OF MERCER ISLAND STANDARD WATER DETAIL W-5B.
15. PROVIDE 1" AIR & VACUUM VALVE ASSEMBLY PER MERCER ISLAND STANDARD WATER DETAIL W-25.
16. PROVIDE 4'-2"x4'-2"x3'-2" (LxWxH INTERIOR DIMENSIONS) FO VAULT. PROVIDE TOP WITH 24" DIAMETER ROUND ACCESS LID.
17. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

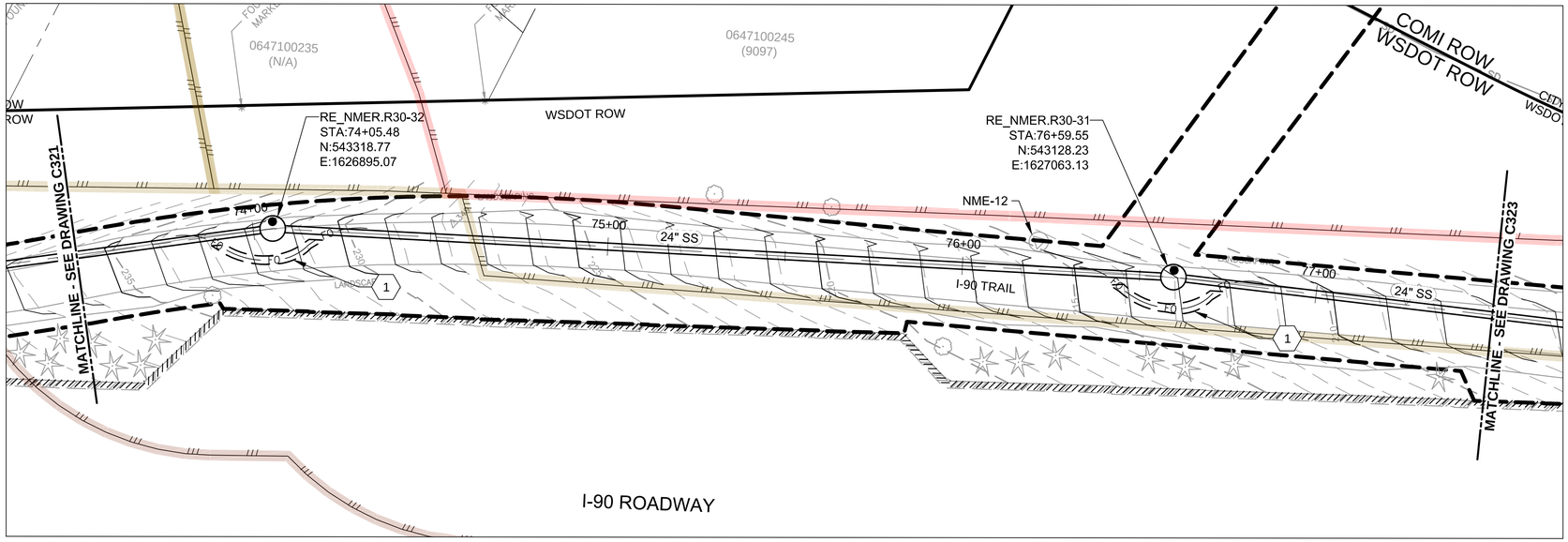
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

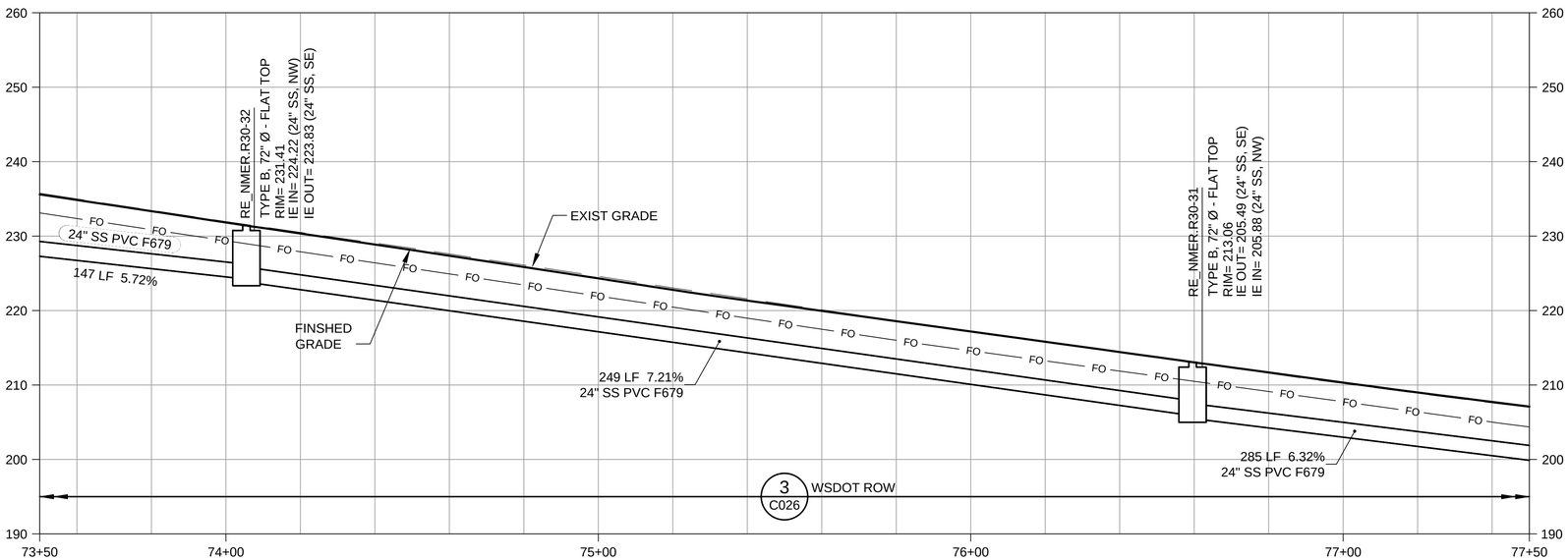
NMPS FORCE MAIN PLAN AND PROFILE STA 70+50 TO STA 73+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C321
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E003306E13-PIPE-C321.dwg
PLOT DATE: 9/26/2019 10:46 AM
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR PLAN AND PROFILE STA 73+50 TO STA 77+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C322
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C322.dwg
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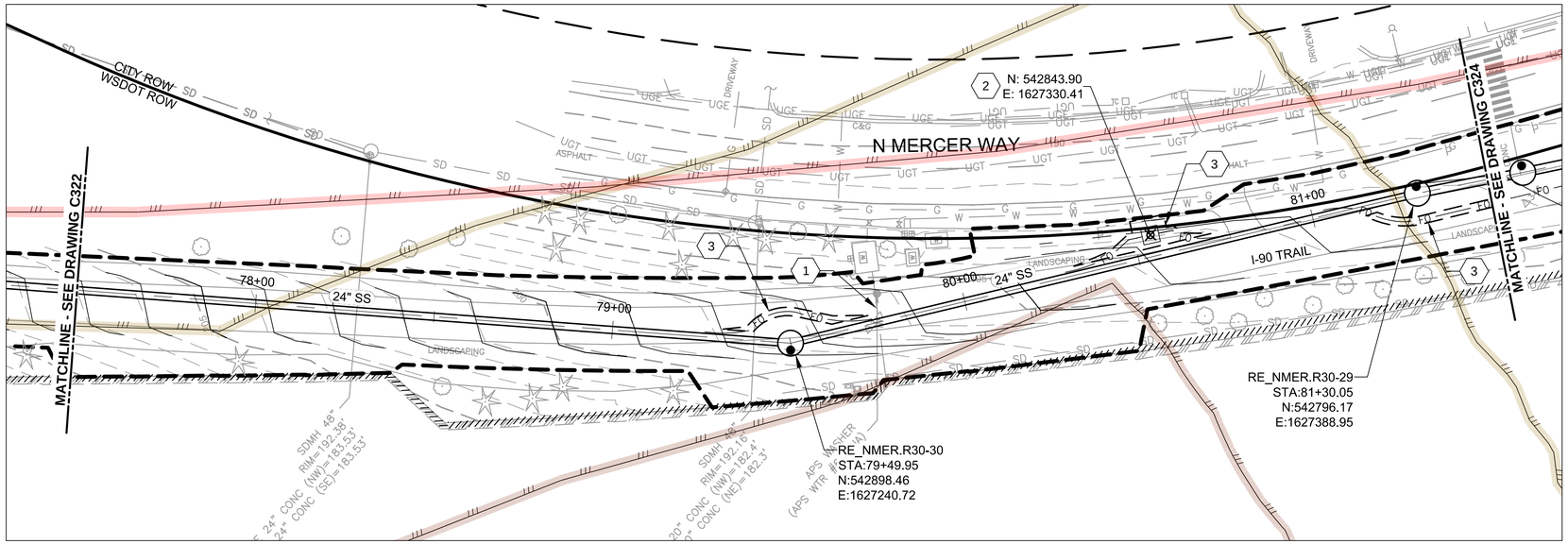
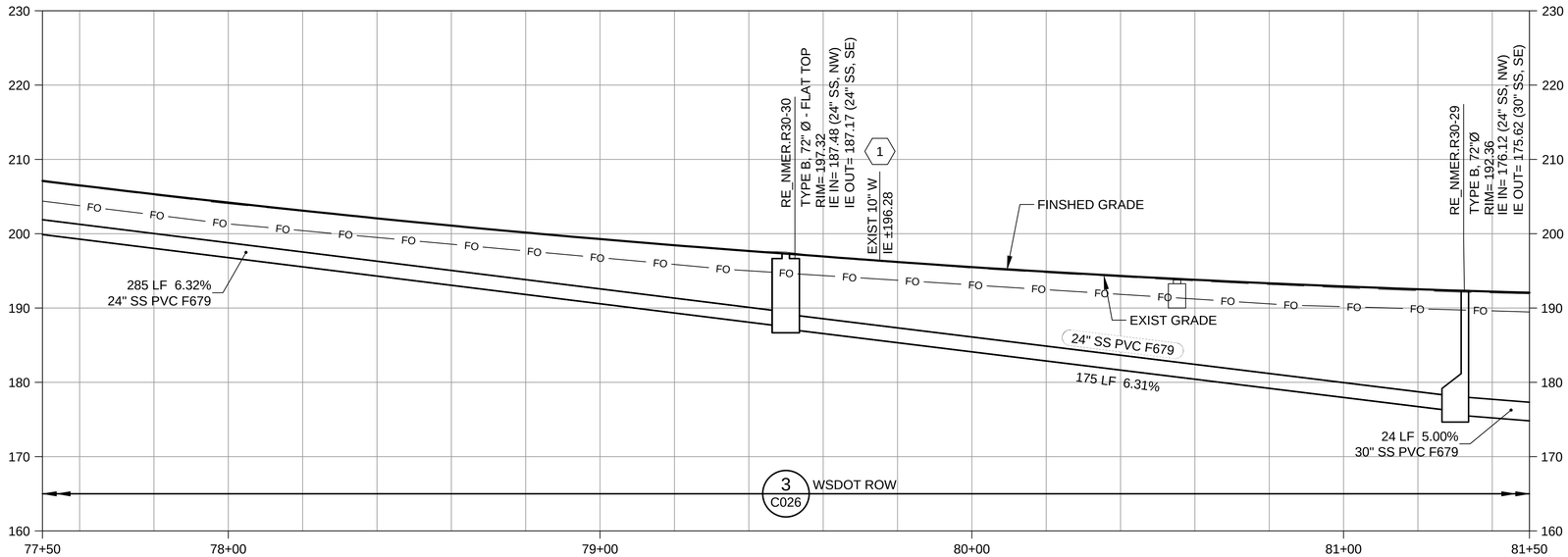
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION FOR WORK LIMITS.

(#) KEY NOTES:

1. ELEVATION BASED ON POTHOLED DEPTHS OFFSET FROM THE PIPE ALIGNMENT. BASED ON AS-BUILT INFORMATION THE DEPTH OF THE EXISTING WATER MAIN INCREASES AT THE NEW FORCE MAIN LOCATION. THE DESIGN PROFILE OF THE NEW FORCE MAIN ALLOWS FOR THE ANTICIPATED EXISTING WATER MAIN PROFILE. THE CONTRACTOR SHALL POTHOLE AND NOTIFY THE PROJECT REPRESENTATIVE AT LEAST 4 WEEKS PRIOR TO CONSTRUCTION OF FORCE MAINS IF A DISCREPANCY IS IDENTIFIED.
2. PROVIDE 4'-2"x4'-2"x3'-2" (LxWxH INTERIOR DIMENSIONS) FO VAULT. PROVIDE TOP WITH 24" DIAMETER ROUND ACCESS LID.
3. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR PLAN AND PROFILE STA 77+50 TO STA 81+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C323
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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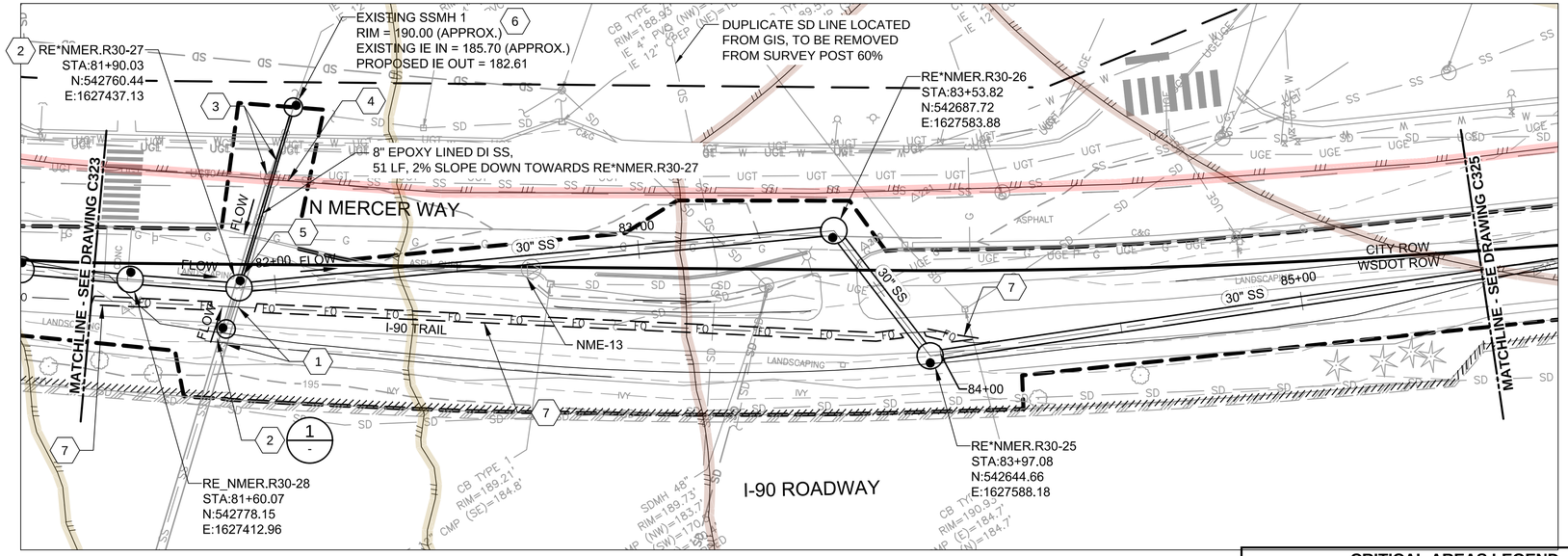
PLOTTED BY: D'Auria, Isaac

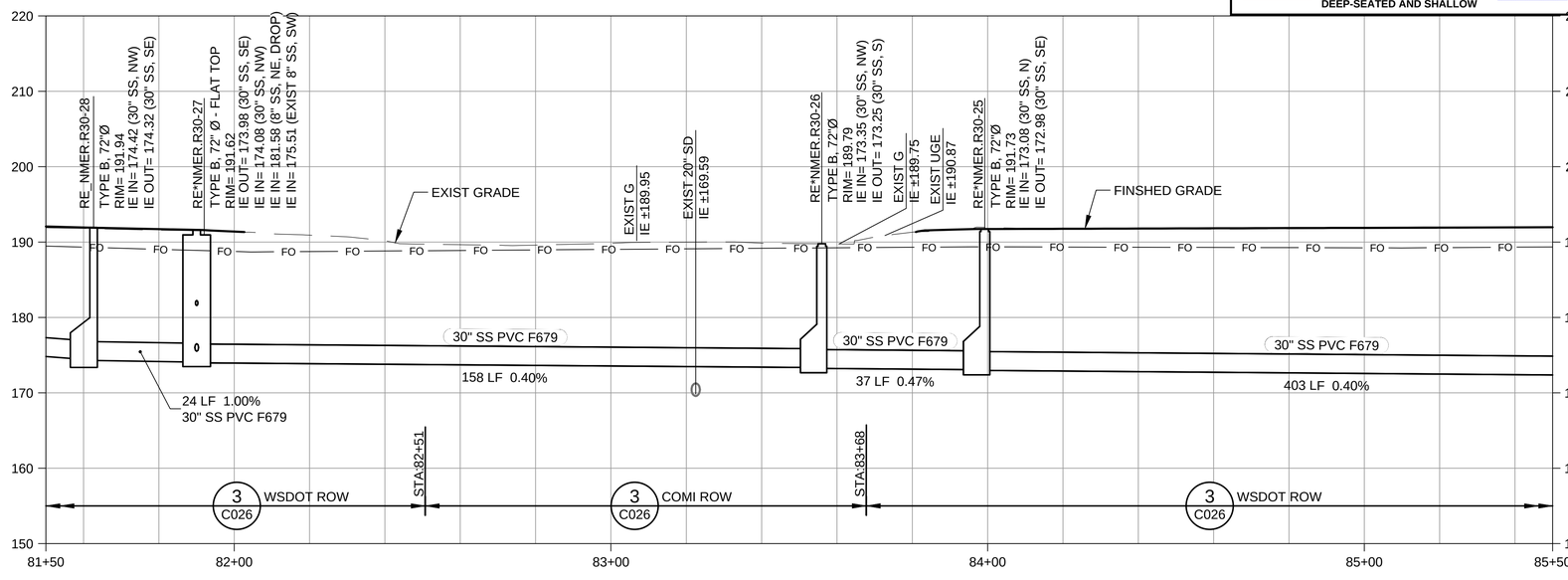


PLAN

SCALE: 1" = 20'

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE



PROFILE

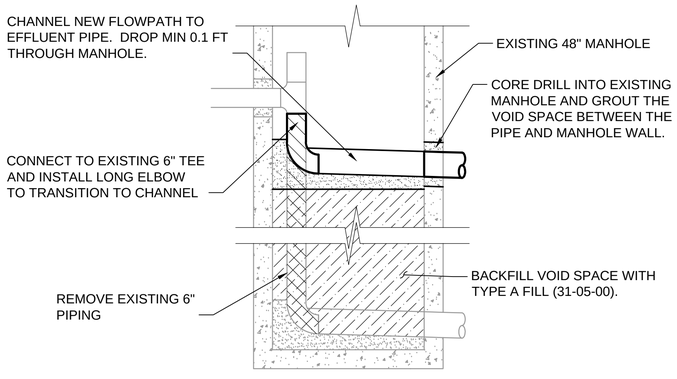
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION FOR WORK LIMITS.

(#) KEY NOTES:

1. CUT AND REMOVE EXISTING APPROX 24-INCH STEEL CASING AS NEEDED FOR CONSTRUCTION. AFTER COMPLETING CONNECTION TO NEW SYSTEM, PROVIDE CASING END SEAL.
2. SET SADDLE MAINTENANCE HOLE PER CITY OF MERCER ISLAND STANDARD DETAILS S-5 AND S-15 OVER EXISTING 8" DI SEWER (FLOWING FROM SOUTH). REMOVE TOP OF PIPE AND ROUTE FLOWS TO NEW SEWER. ABANDON REMAINING 8" SS TO THE NE TO NEXT MH BY FILLING WITH CDF AND PLUGGING LAST 3 FT ON EACH END WITH CONCRETE. SEE BYPASS REQUIREMENTS AND CONSTRUCTION CONSTRAINTS IN THE SPECIFICATIONS.
3. REMOVE EXISTING MH TOP AND OUTSIDE DROP STRUCTURE AS NEEDED FOR CONSTRUCTION. DECOMMISSION REMAINING MAINTENANCE HOLE BY REMOVING STRUCTURE TO MINIMUM OF 5 FT BELOW GRADE, PUNCTURING BASE, AND FILLING WITH TYPE B BACKFILL MATERIAL. SEE BYPASS REQUIREMENTS AND CONSTRUCTION CONSTRAINTS IN THE SPECIFICATIONS.
4. EXISTING 12" SEWER TO BE DECOMMISSIONED. PLUG THE FIRST 3 FEET WITH CONCRETE AFTER ALL FLOWS ARE ROUTED TO THE NEW NORTH MERCER INTERCEPTOR PIPELINE.
5. CONNECT 8-INCH SS TO MAINTENANCE HOLE WITH OUTSIDE DROP PER COMI STANDARD DETAIL S-10.
6. CONTRACTOR TO VERIFY LOCATION OF EXISTING MANHOLE AND INVERT ELEVATIONS OF CONNECTED PIPES. CONSTRUCT MANHOLE MODIFICATIONS ACCORDING TO DETAIL 1. CONTRACTOR TO REMOVE EXISTING PIPE AS NECESSARY TO RAISE DROP CONNECTION TO NEW INVERT ELEVATION. PROPOSED EFFLUENT INVERT TO ALLOW 18 IN CLEARANCE BETWEEN EXISTING WATERMAIN AND PROPOSED 8" SS LINE. CONTRACTOR TO VERIFY CLEARANCE AND ALERT PROJECT REPRESENTATIVE IF THE INVERT MUST CHANGE TO MEET THIS REQUIREMENT.
7. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.



SHOREWOOD MANHOLE MODIFICATIONS

DETAIL 1 -

SCALE: NTS

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

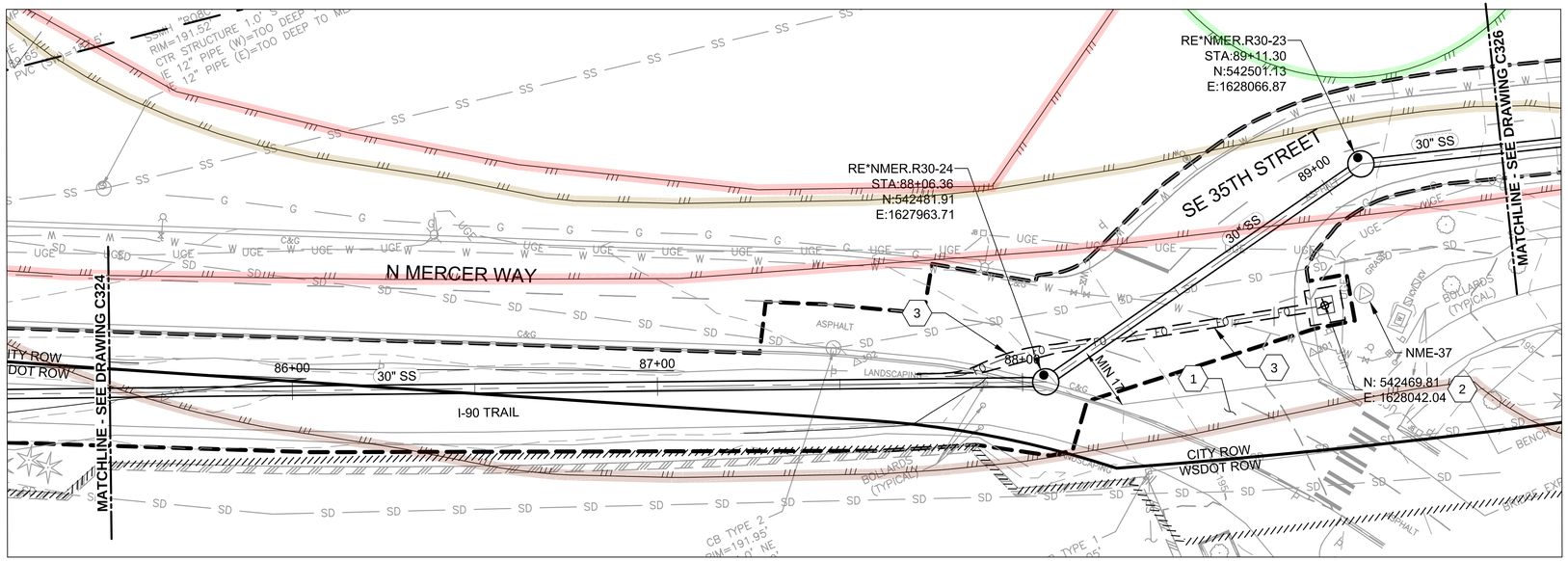
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR PLAN AND PROFILE STA 81+50 TO STA 85+50

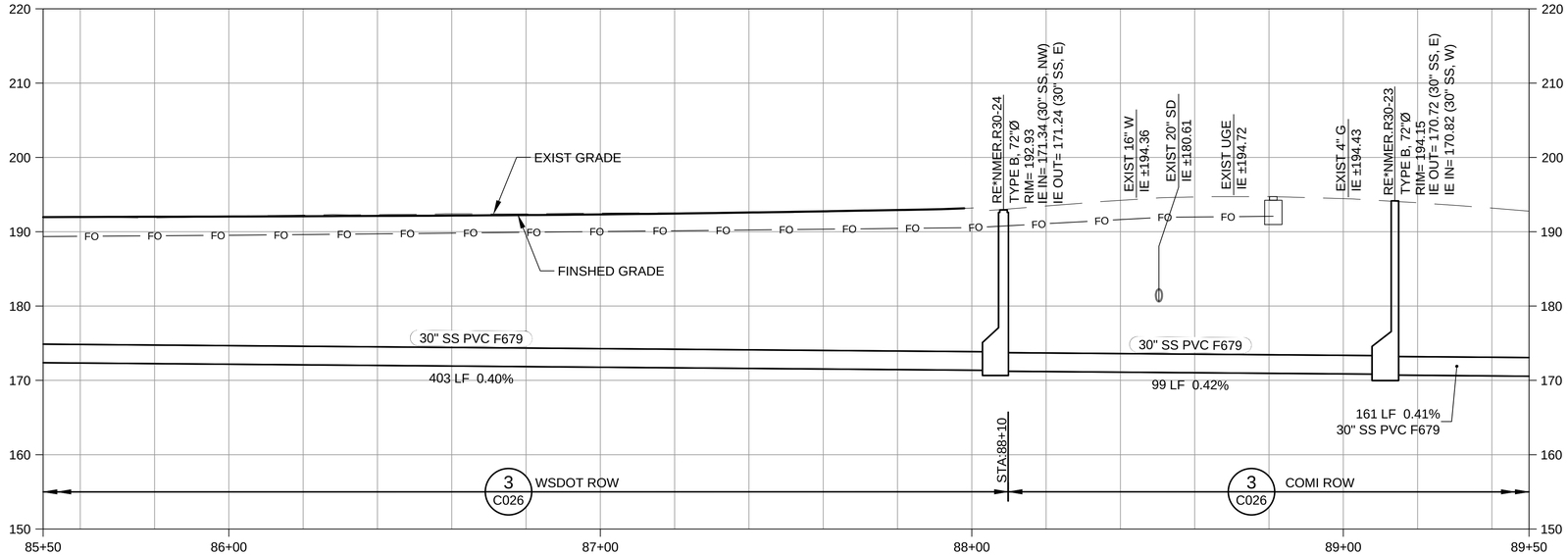
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C324
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C324.dwg
PLOT DATE: 9/26/2019 10:53 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION FOR WORK LIMITS.

(#) KEY NOTES:

1. EXISTING WSDOT BRIDGE APPROACH SLAB. PROTECT IN PLACE.
2. PROVIDE 4'-2"x4'-2"x3'-2" (LxWxH INTERIOR DIMENSIONS) FO VAULT. PROVIDE TOP WITH 24" DIAMETER ROUND ACCESS LID.
3. FIBER OPTIC IMPROVEMENT AREA, SEE SPECIFICATIONS FOR MEASUREMENT AND PAYMENT REQUIREMENTS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

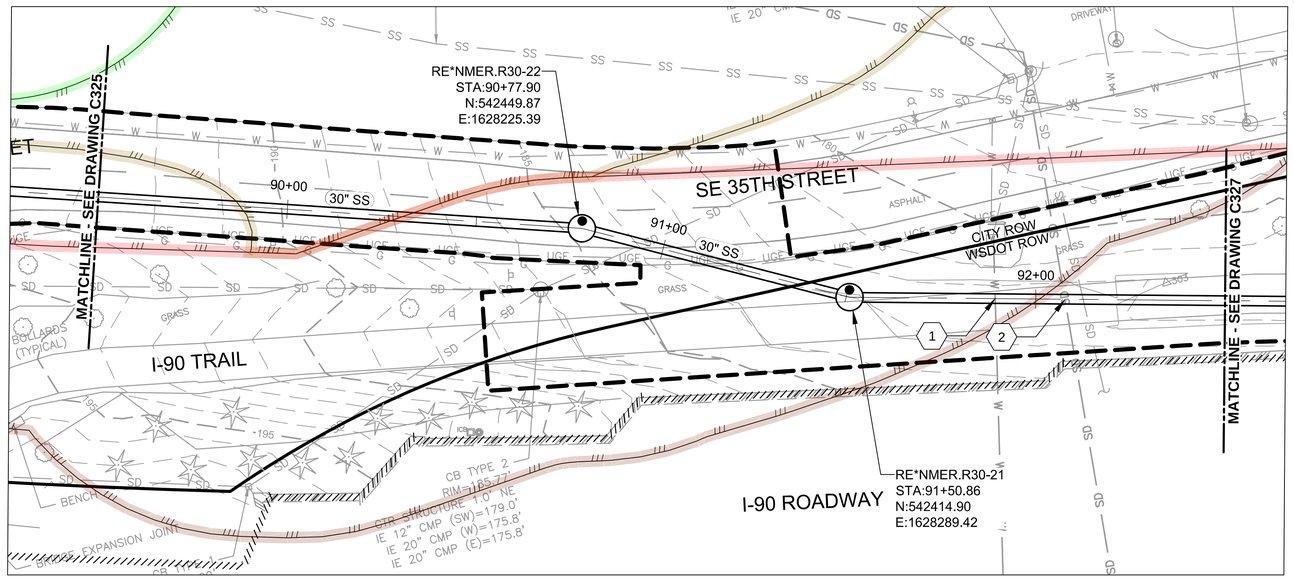
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR PLAN AND PROFILE STA 85+50 TO STA 89+50

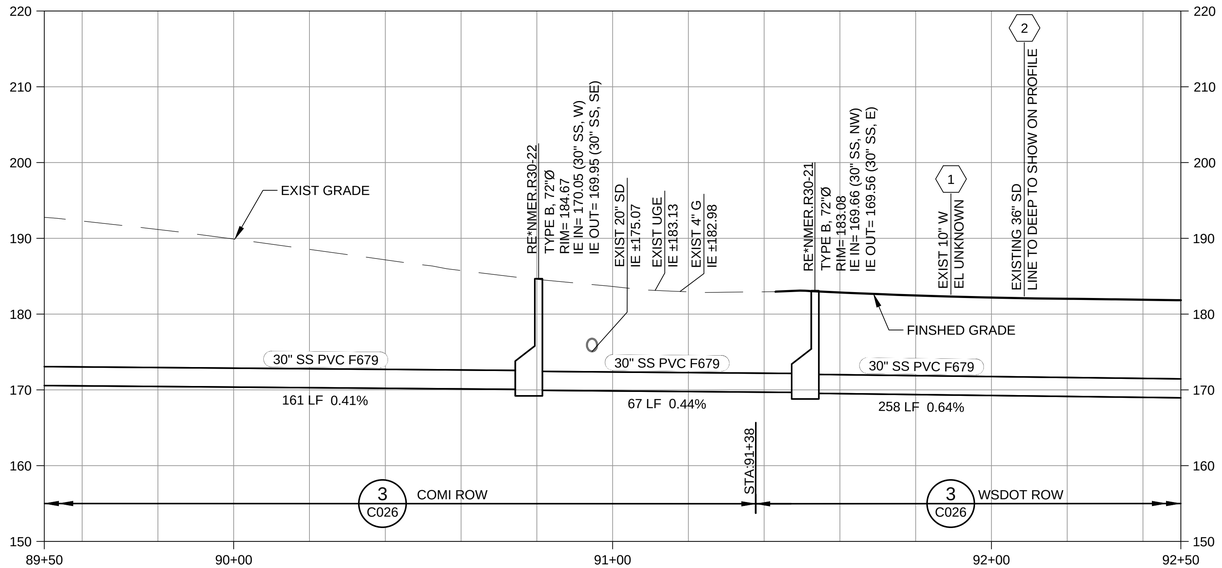
DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C325
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C325.dwg
PLOT DATE: 9/26/2019 10:56 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION FOR WORK LIMITS.

(#) KEY NOTES:

1. THE DESIGN PROFILE OF THE NEW GRAVITY MAIN ALLOWS FOR THE ANTICIPATED EXISTING WATER MAIN PROFILE. CONTRACTOR SHALL POTHOLE IN ADVANCE OF CONSTRUCTION. NOTIFY PROJECT REPRESENTATIVE 4 WEEKS IN ADVANCE OF CONSTRUCTION IF CONFLICT WITH PROPOSED SEWER IS FOUND.
2. PIPE DEPTH BELOW I-90 AND OUTSIDE PROFILE ELEVATION EXTENTS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

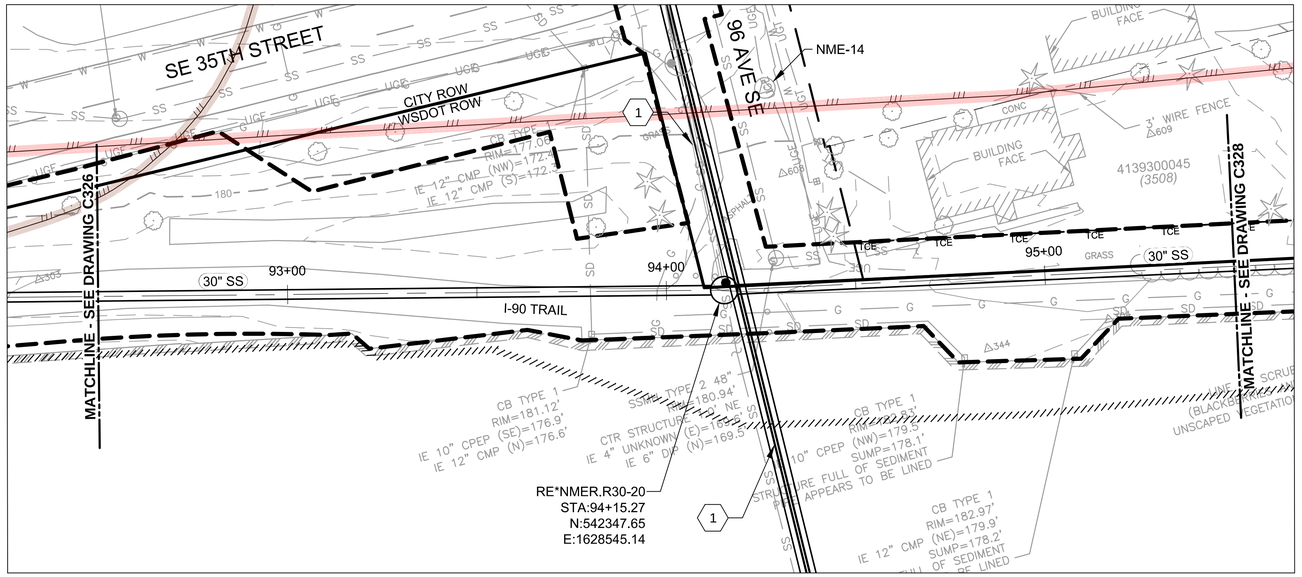
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR PLAN AND PROFILE STA 89+50 TO STA 92+50

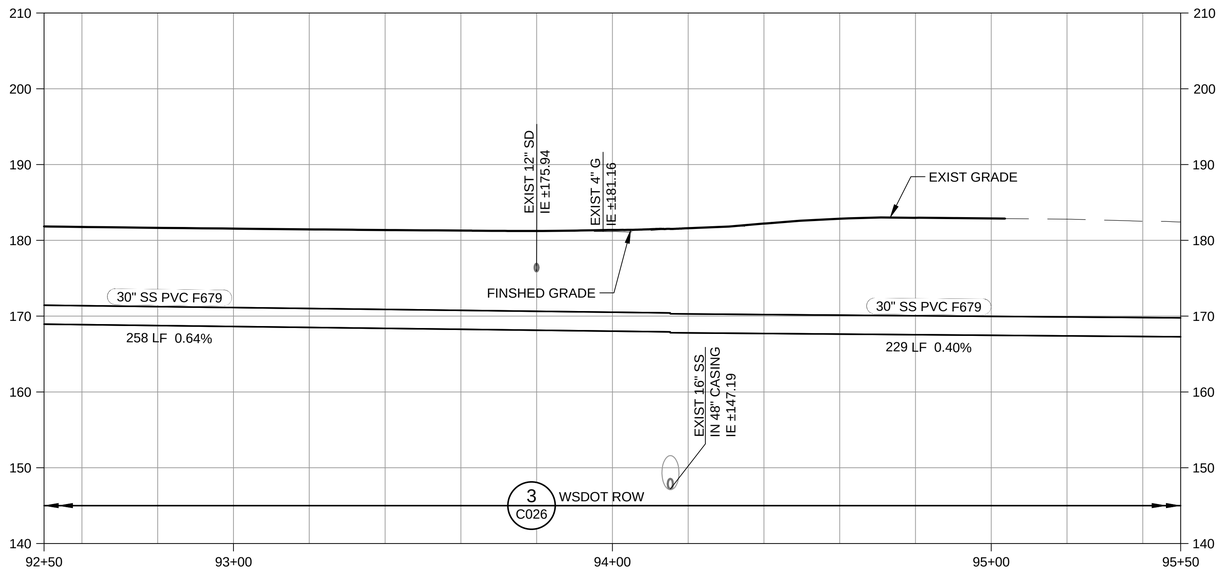
DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C326
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C326.dwg
PLOT DATE: 9/26/2019 10:58 AM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

(#) KEY NOTES:

1. SEE 96TH AVE SE SIPHON PLAN AND PROFILE ON DRAWING C117.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

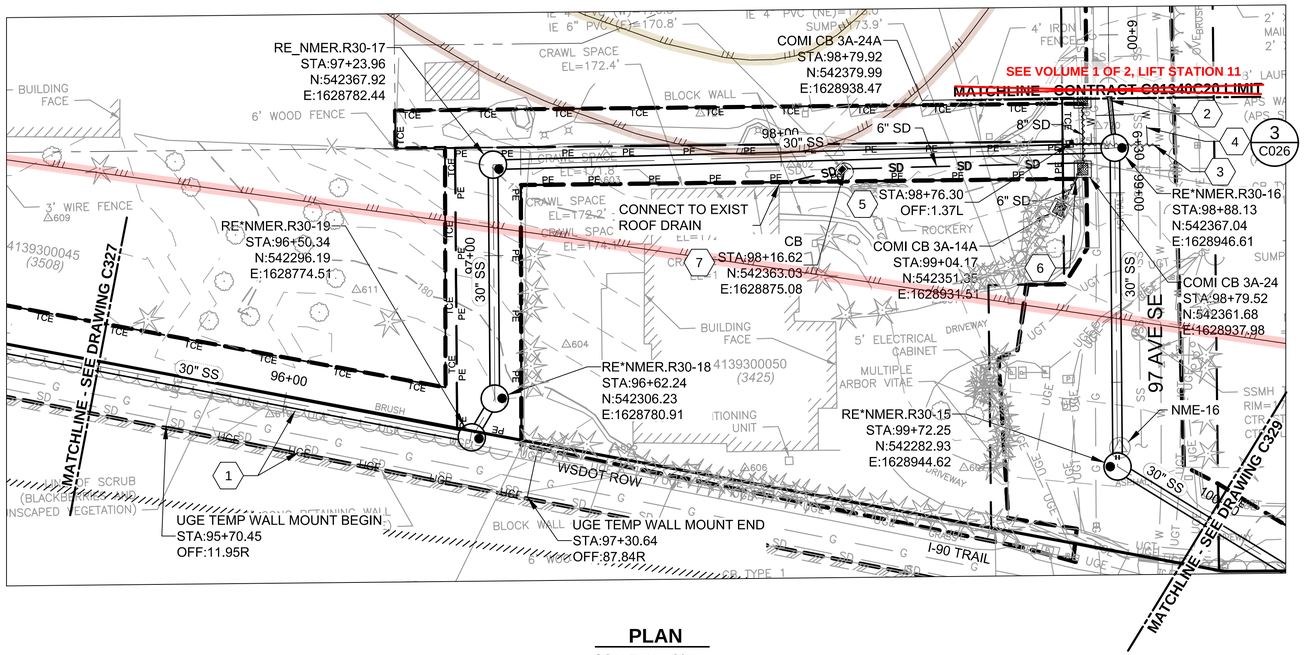
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR PLAN AND PROFILE STA 92+50 TO STA 95+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C327
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C327.dwg
PLOT DATE: 9/26/2019 11:01 AM
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'

CRITICAL AREAS LEGEND

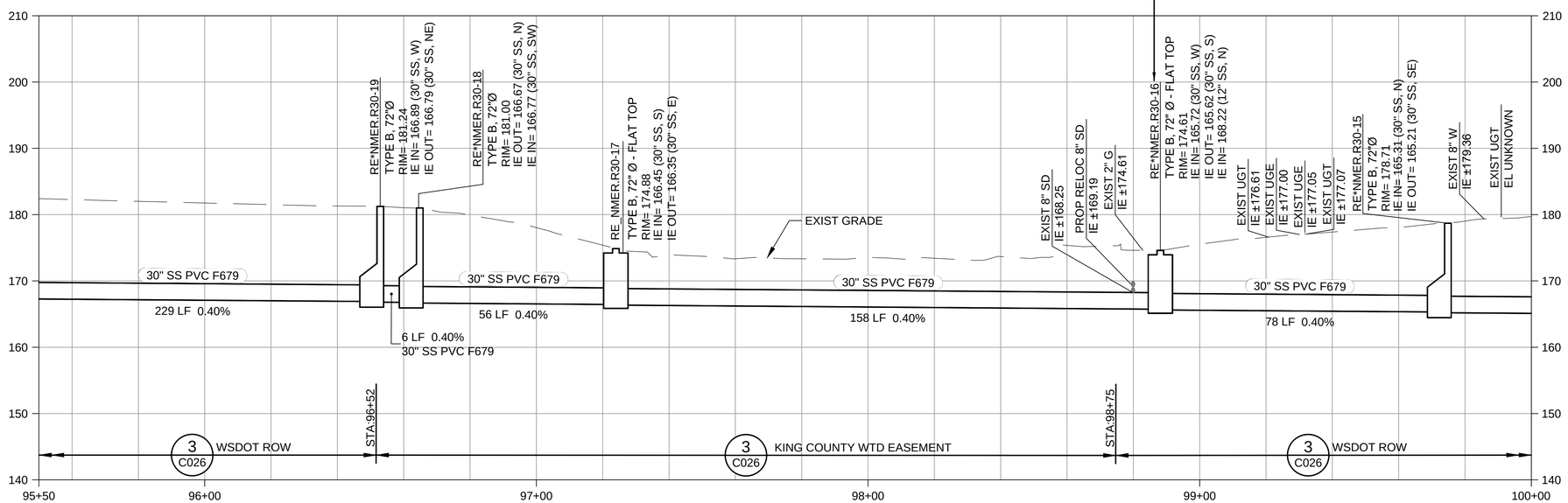
- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

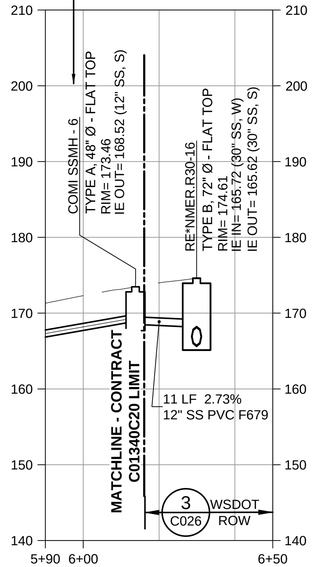
(#) KEY NOTES:

1. 108 LF OF UGE TO BE REMOVED FROM EXISTING ALIGNMENT AND HUNG ON THE INNER FACE OF THE RETAINING WALL, SUPPORTED BY EMBEDDED ANCHORS. COORDINATE WITH WSDOT FOR PROTECTIVE MEASURES REQUIRED DURING TEMPORARY RELOCATION. FOLLOWING CONSTRUCTION, REINSTATE THE 180 LF OF UGE IN TO ORIGINAL ALIGNMENT. UPON REMOVAL FROM THE RETAINING WALL, VOID LEFT BY REMOVING ANCHORS SHALL BE COATED WITH EPOXY BONDING AGENT AND FILLED WITH MORTAR.
2. CONNECTION OF THE GRAVITY PIPE TO THE NEW COMI SSMH-6 WILL BE MADE BY CONTRACTOR.
3. REMOVE 24 LF OF WATER SERVICE.
4. INSTALL 38 LF OF 1" TYPE "K" SOFT COPPER TUBING WATER SERVICE. TO BE IN ACCORDANCE WITH CITY OF MERCER ISLAND STANDARD DETAIL W-13.
5. REMOVE WATER METER AND INSTALL NEW WATER METER.
6. REMOVE 16 LF OF 4" PVC AND 19 LF OF 8" CMP STORM DRAIN AND INSTALL 13 LF OF 6" AND 19 LF OF 8" PVC STORM DRAIN AND THREE TYPE 1 CATCH BASINS. SEE DRAWING C703 FOR STORM DRAIN RELOCATION PROFILE.
7. MATCH EXISTING CATCH BASIN RIM AND INVERT ELEVATIONS.



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

SAME STRUCTURE



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PLOT DATE: 9/26/2019 11:03 AM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

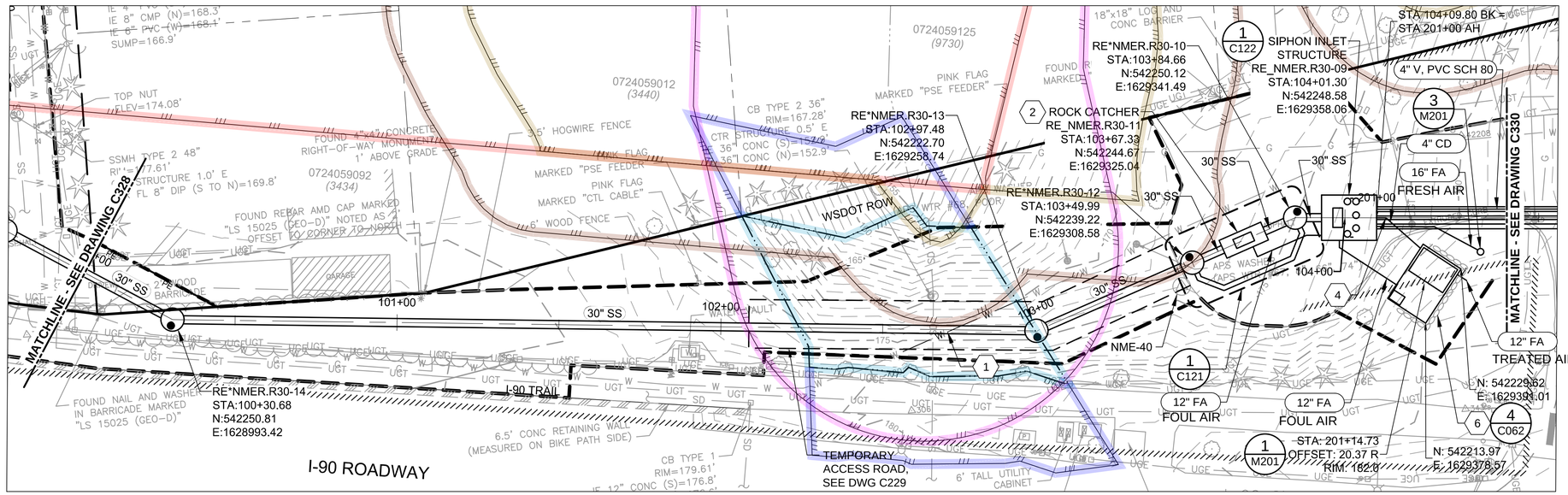
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

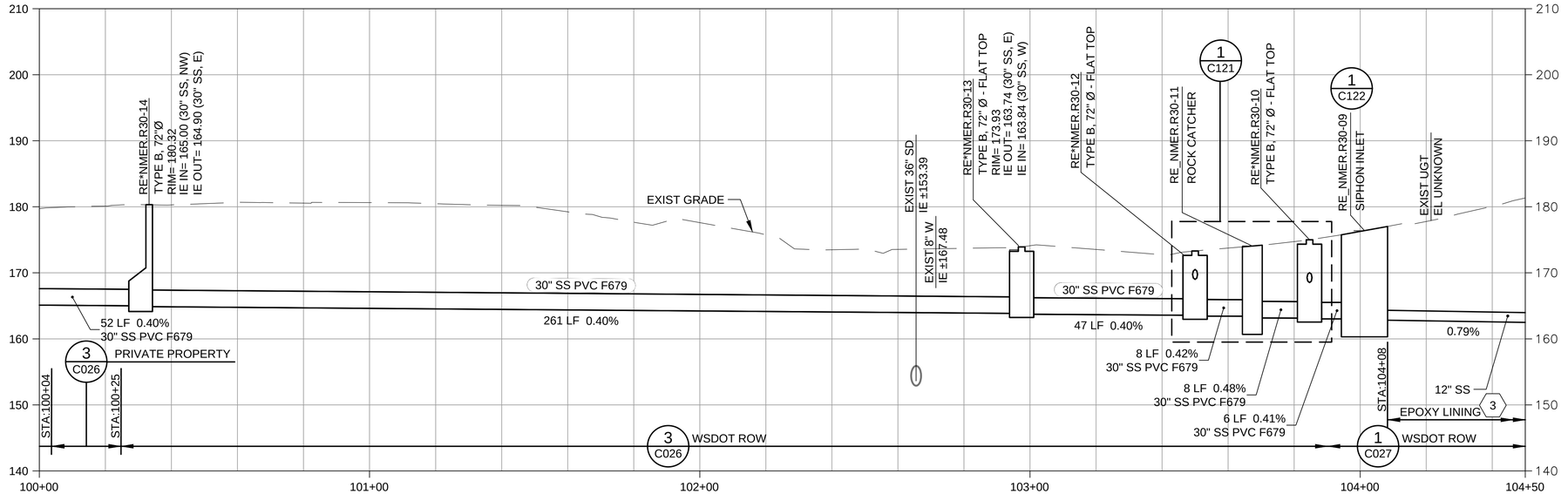
NORTH MERCER INTERCEPTOR PLAN AND PROFILE STA 95+50 TO STA 100+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C328
SHT NO / TOTAL	/
REV NO:	



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NOTES:

1. SEE C200 SERIES FOR DEFINITION OF WORK LIMITS.

KEY NOTES:

1. PROVIDE 40 LF OF 16" SPLIT CASING ON EXISTING 8" DI WATER LINE IN ADVANCE OF SEWER CONSTRUCTION. CENTER CASING ON PROPOSED SEWER CROSSING. SUPPORT WATER LINE IN PLACE DURING CONSTRUCTION OF SEWER.
2. STATION, COORDINATES, AND RIM SHOWN REPRESENT THE CENTER OF THE ROCK CATCHER TO GIVE A GENERAL LOCATION.
3. 12-INCH SANITARY SEWER TO BE EPOXY LINED FOR EXTENTS SHOWN ON THE PROFILE. EPOXY LINED DI PIPE SHALL BE PROVIDED IN FULL LENGTH PIPE STICKS ONLY AND SHALL NOT BE FIELD CUT. ROUND PAST EXTENTS TO NEAREST PIPE JOINT.
4. PROVIDE CLEAN OUT PER CITY OF MERCER ISLAND SEWER DETAIL S-19.
5. NOT USED
6. PROVIDE 48 LF OF SEGMENTAL CONCRETE BLOCK WALL.

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

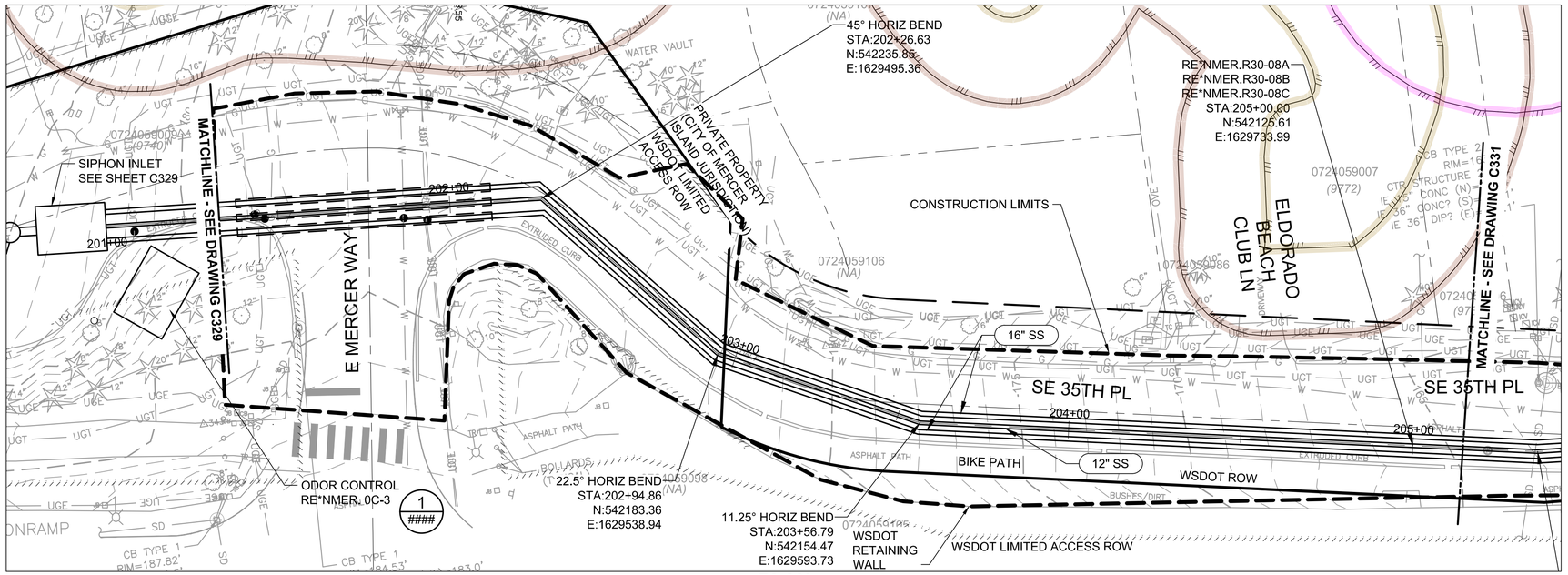
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

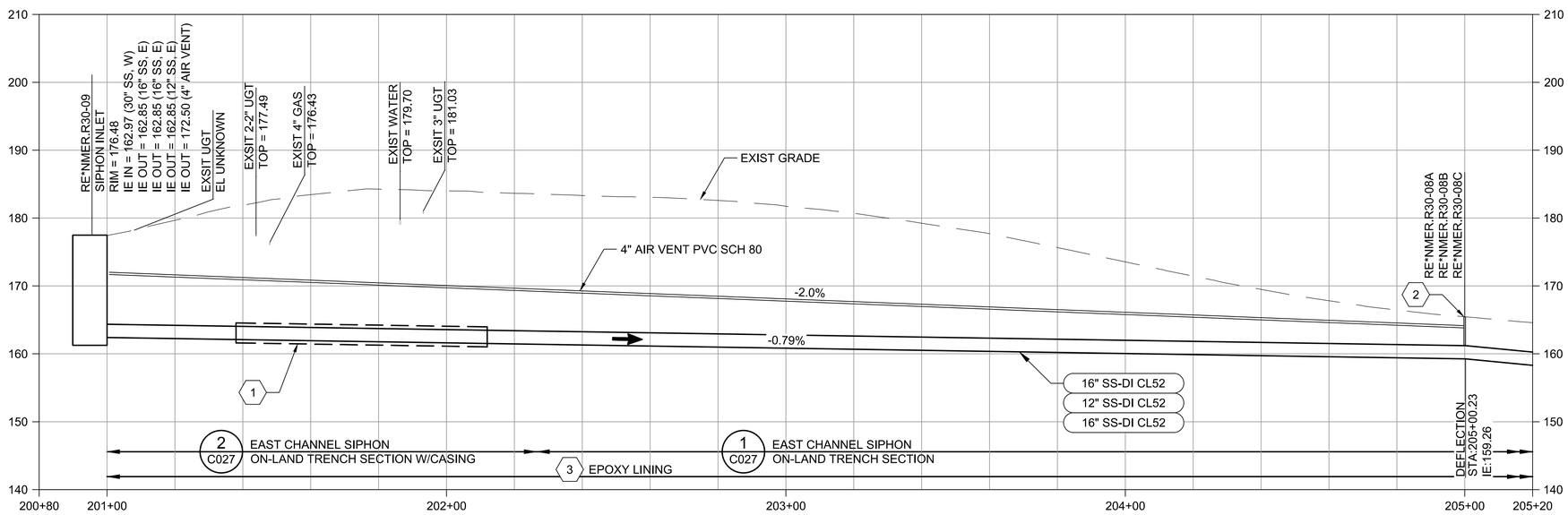
NORTH MERCER INTERCEPTOR PLAN AND PROFILE STA 100+00 TO STA 201+32

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C329
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13_PIPE_C329.dwg
PLOT DATE: 9/26/2019 11:06 AM
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
2. PROTECT AND SUPPORT EXISTING UTILITIES AND UTILITY POLES IN VICINITY OF CONSTRUCTION.
3. UNLESS OTHERWISE SHOWN, PROVIDE SAME BENDS AND FITTINGS FOR ALL THREE PIPELINES AND FOR AIR VENT.

(#) KEY NOTES:

1. PROVIDE CASINGS ACROSS INTERSECTION FROM STATION 201+38 TO 202+12. SEE DRAWING C027.
2. AIR VENT PER 1/C124.
3. EPOXY LINING, ALL THREE SIPHON SEWERS AND FITTINGS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: D. NICE	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

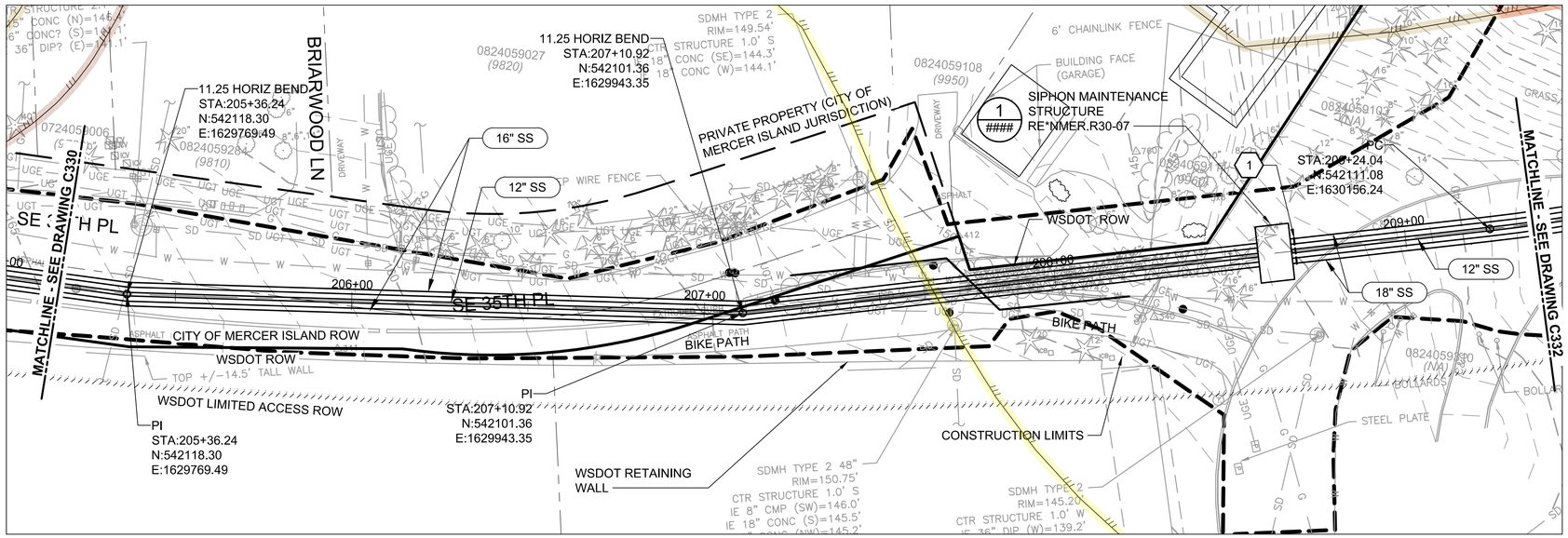
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

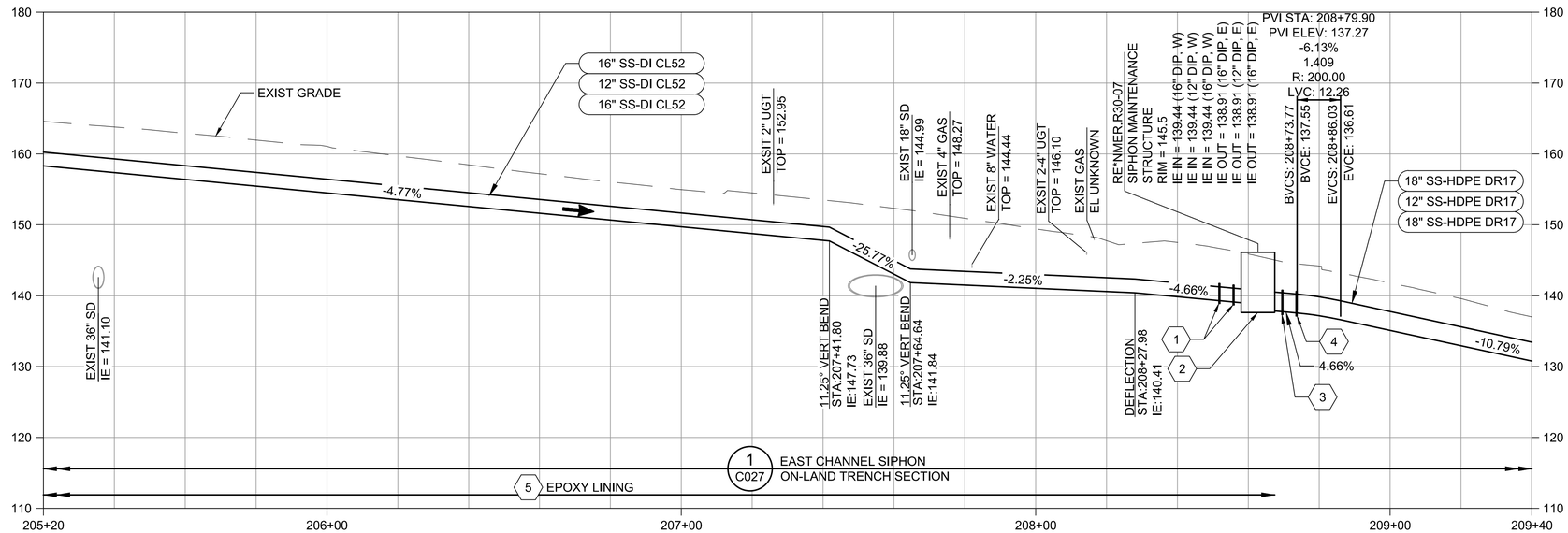
EAST CHANNEL SIPHON PLAN AND PROFILE STA 201+00 TO STA 205+20

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C330
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\12539\200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-C330.dwg
PLOT DATE: 9/26/2019 9:32 AM
PLOTTED BY: Morris, Richard



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
2. PROTECT AND SUPPORT EXISTING UTILITIES AND UTILITY POLES IN VICINITY OF CONSTRUCTION.
3. UNLESS ORTHERWISE SHOWN, PROVIDE SAME BENDS AND FITTINGS FOR ALL THREE PIPELINES.

KEY NOTES:

1. FLEX COUPLINGS AT STATIONS (6 FT WEST OF VAULT WALL) AND (2 FT WEST OF VAULT WALL). SEE DRAWING C125.
2. EAST CHANNEL SIPHON MAINTENANCE STRUCTURE. SEE DRAWING C125.
3. FLEX COUPLING AT STATION (2 FT EAST OF VAULT WALL). SEE DRAWING C125.
4. TRANSITION COUPLING (DI X HDPE) AT STATION (6 FT EAST OF VAULT WALL). SEE DRAWING C125.
5. EPOXY LINING, ALL THREE SIPHON SEWERS AND FITTINGS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: D. NICE	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON PLAN AND PROFILE STA 205+20 TO STA 209+40

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C331
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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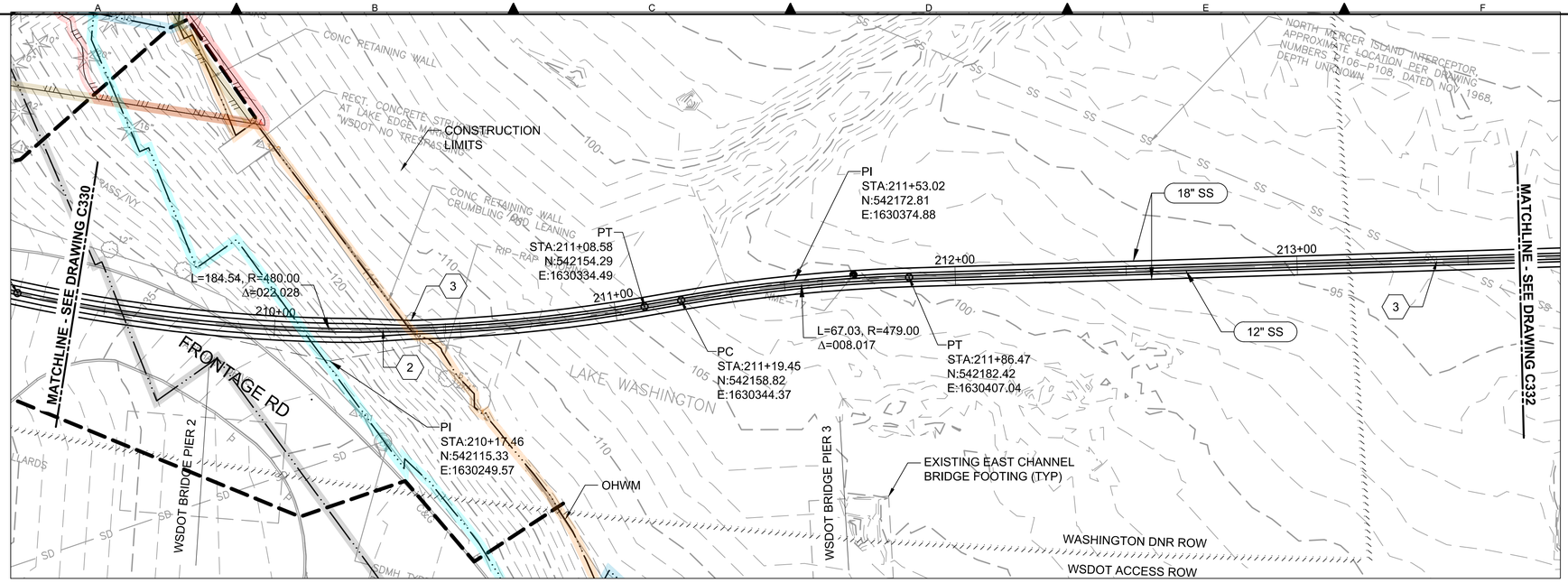
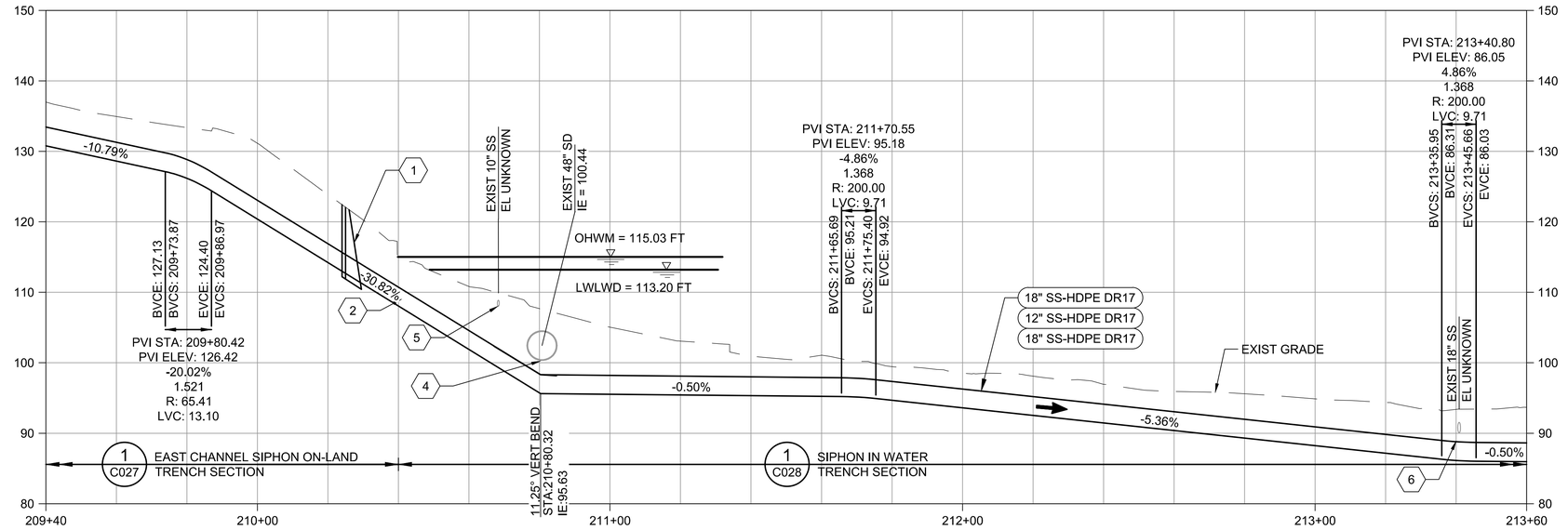
PLOT DATE: 9/26/2019 9:34 AM
PLOTTED BY: Morris, Richard



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
2. PROTECT AND SUPPORT EXISTING UTILITIES AND UTILITY POLES IN VICINITY OF CONSTRUCTION.
3. UNLESS OTHERWISE SHOWN, PROVIDE SAME BENDS AND FITTINGS FOR ALL THREE PIPELINES.
4. PROVIDE ANCHOR BLOCKS PER C126. INSTALL ANCHOR BLOCKS AT MAXIMUM 10 FT SPACING, ALERNATING TYPE 1 AND TYPE 2 BLOCKS. EXAMPLE, INSTALL TYPE 1 BLOCK AT STATION 212+00, INSTALL A TYPE 2 BLOCK AT STATION 212+10, INSTALL A TYPE 1 BLOCK AT STATION 212+20, ETC.
5. ADJUST ANCHOR BLOCK SPACING AT UTILITY CROSSINGS TO MAXIMIZE CLEARANCE BETWEEN UTILITIES AND ADJACENT ANCHOR BLOCKS. SEE DETAIL 3/C027.
6. ANCHOR BLOCKS NEED NOT ALIGN AT ANY GIVEN STATION, BUT REQUIRED MAXIMUM SPACING MUST BE MET FOR ANY ONE PIPELINE.
7. THE LINE BETWEEN THE OUTER EDGES OF SUCCESSIVE ANCHOR BLOCKS MAY NOT OVERLAP ADJACENT ANCHOR BLOCKS.

KEY NOTES:

1. PROVIDE CLAY DAM AT STATION 210+25. TOP ELEVATION 118.00 FT. SEE 1/C127.
2. TRANSITION SIPHON SEWERS FROM SPACING SHOWN IN 1/C027 TO SPACING SHOWN IN 2/C027 BETWEEN STATIONS 210+00 AND STATION 210+40.
3. PROVIDE EITHER 1 OR 2 HDPE FLANGES ON SIPHON SEWERS AT EACH EXISTING SEWER CROSSING.
4. REMOVE AND REPLACE EXISTING 48 INCH WSDOT STORM DRAIN PER 1/C029.
5. MAINTAIN EXISTING COMI LAKE LINE SEWER IN SERVICE DURING CONSTRUCTION.
6. MAINTAIN EXISTING KCWTD INTERCEPTOR SEWER IN SERVICE DURING CONSTRUCTION.

1 C027 EAST CHANNEL SIPHON ON-LAND TRENCH SECTION

1 C028 SIPHON IN WATER TRENCH SECTION

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: D. NICE	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON PLAN AND PROFILE STA 209+40 TO STA 213+60

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C332
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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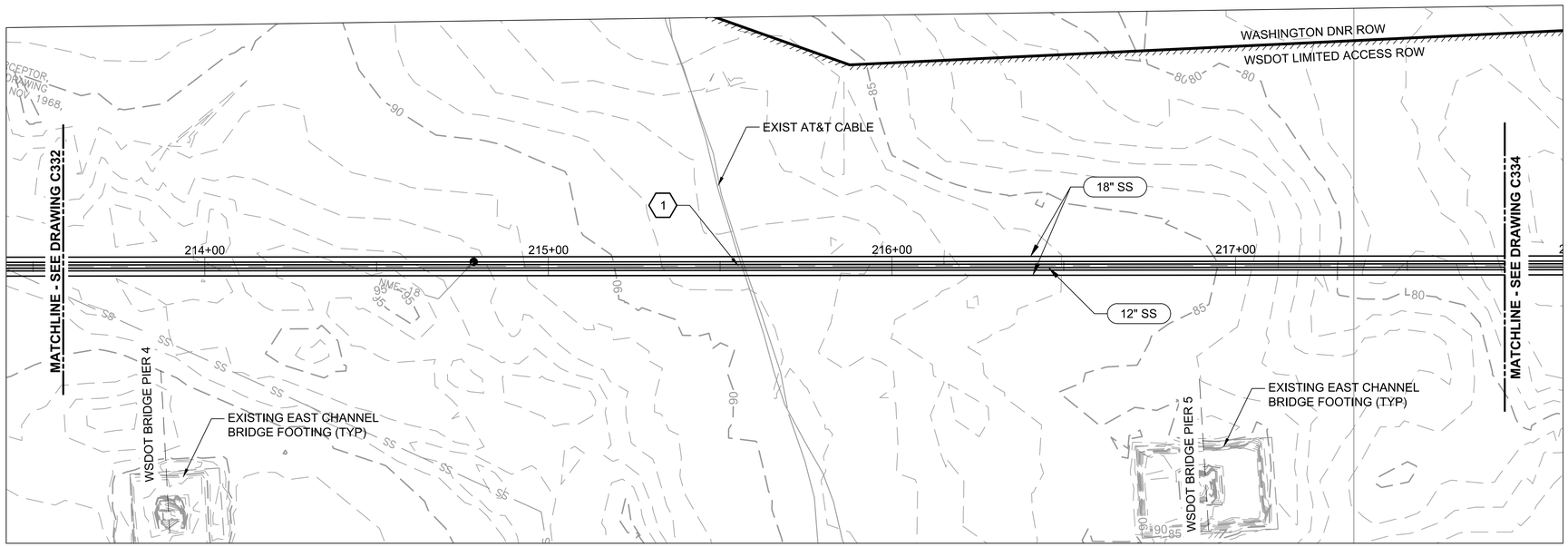
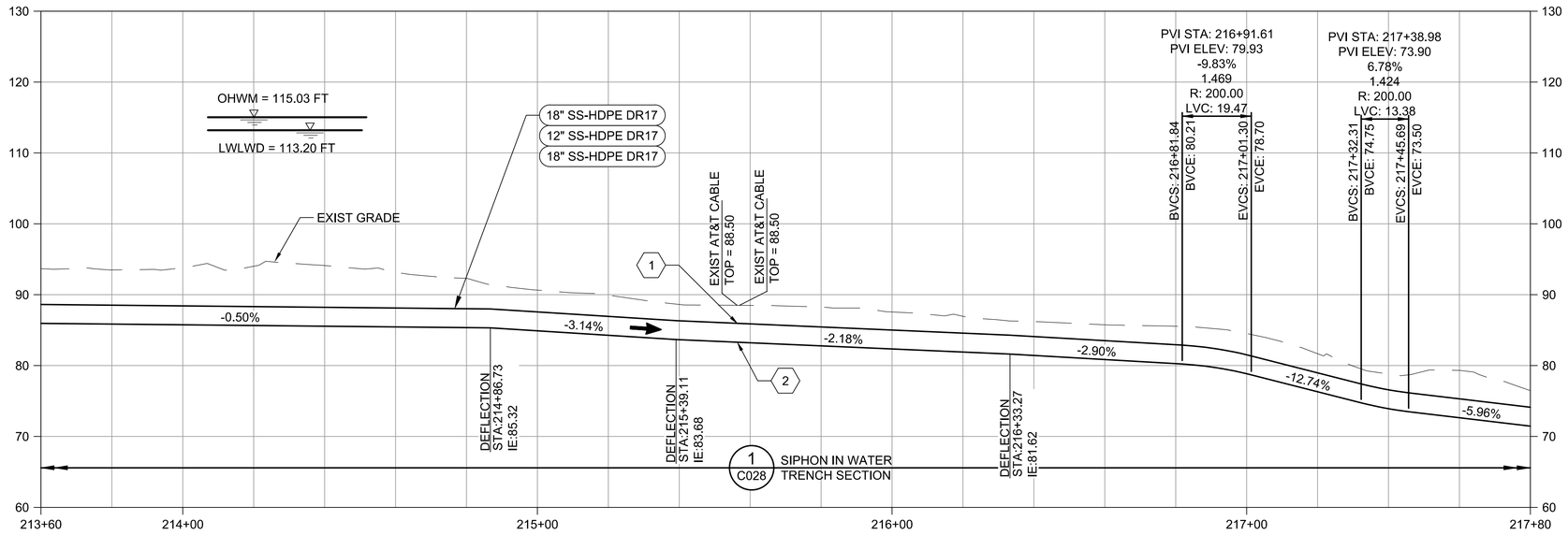
PLOT DATE: 9/27/2019 10:22 AM
PLOTTED BY: Morris, Richard



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
2. PROTECT AND SUPPORT EXISTING UTILITIES AND UTILITY POLES IN VICINITY OF CONSTRUCTION.
3. UNLESS OTHERWISE SHOWN, PROVIDE SAME BENDS AND FITTINGS FOR ALL THREE PIPELINES.
4. PROVIDE ANCHOR BLOCKS PER C126. INSTALL ANCHOR BLOCKS AT MAXIMUM 10 FT SPACING, ALTERNATING TYPE 1 AND TYPE 2 BLOCKS. EXAMPLE, INSTALL TYPE 1 BLOCK AT STATION 212+00, INSTALL A TYPE 2 BLOCK AT STATION 212+10, INSTALL A TYPE 1 BLOCK AT STATION 212+20, ETC.
5. ADJUST ANCHOR BLOCK SPACING AT UTILITY CROSSINGS TO MAXIMIZE CLEARANCE BETWEEN UTILITIES AND ADJACENT ANCHOR BLOCKS. SEE DETAIL 3/C027.
6. ANCHOR BLOCKS NEED NOT ALIGN AT ANY GIVEN STATION, BUT REQUIRED MAXIMUM SPACING MUST BE MET FOR ANY ONE PIPELINE.
7. THE LINE BETWEEN THE OUTER EDGES OF SUCCESSIVE ANCHOR BLOCKS MAY NOT OVERLAP ADJACENT ANCHOR BLOCKS.

(#) KEY NOTES:

1. PROVIDE EITHER 1 OR 2 HDPE FLANGES ON SIPHON SEWERS AT COMM CABLE CROSSING.
2. MAINTAIN EXISTING AT&T COMMUNICATION CABLES IN SERVICE DURING CONSTRUCTION

FOR REFERENCE ONLY

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: D. NICE	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

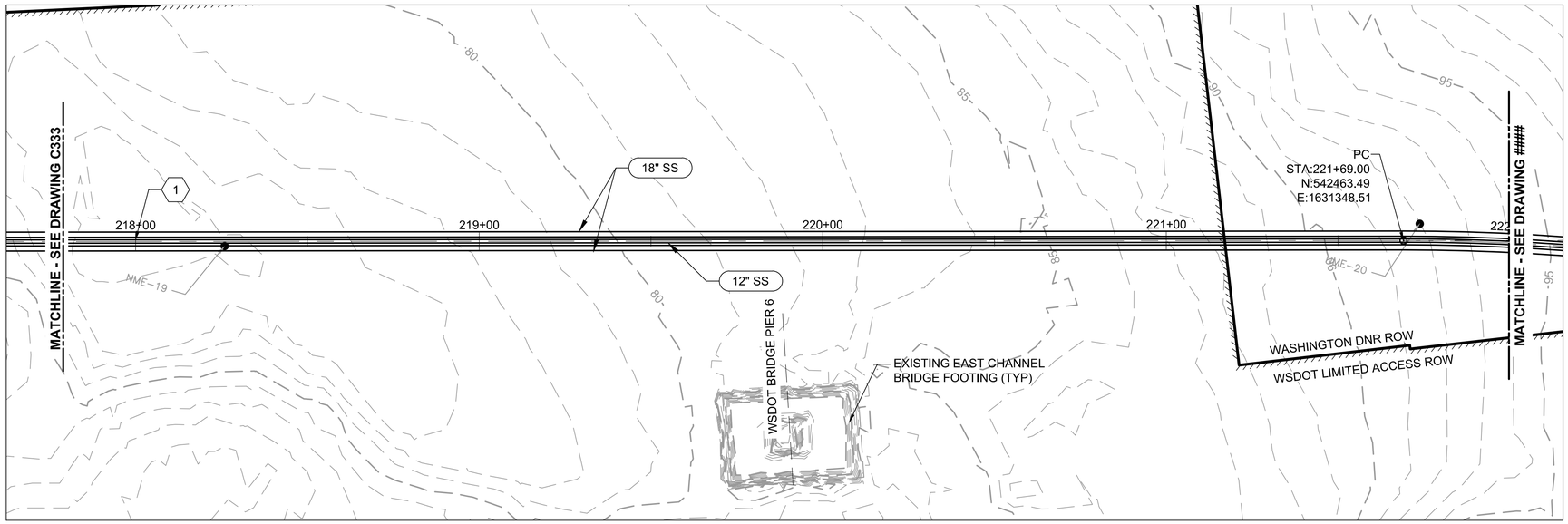
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON PLAN AND PROFILE STA 213+60 TO STA 217+80

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C333
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\125390200-12539-18001\CAD\SheetFiles\Mercer Island-LUP\SheetFiles\E00306E13-PIPE-C333.dwg
PLOT DATE: 9/26/2019 9:38 AM
PLOTTED BY: Morris, Richard



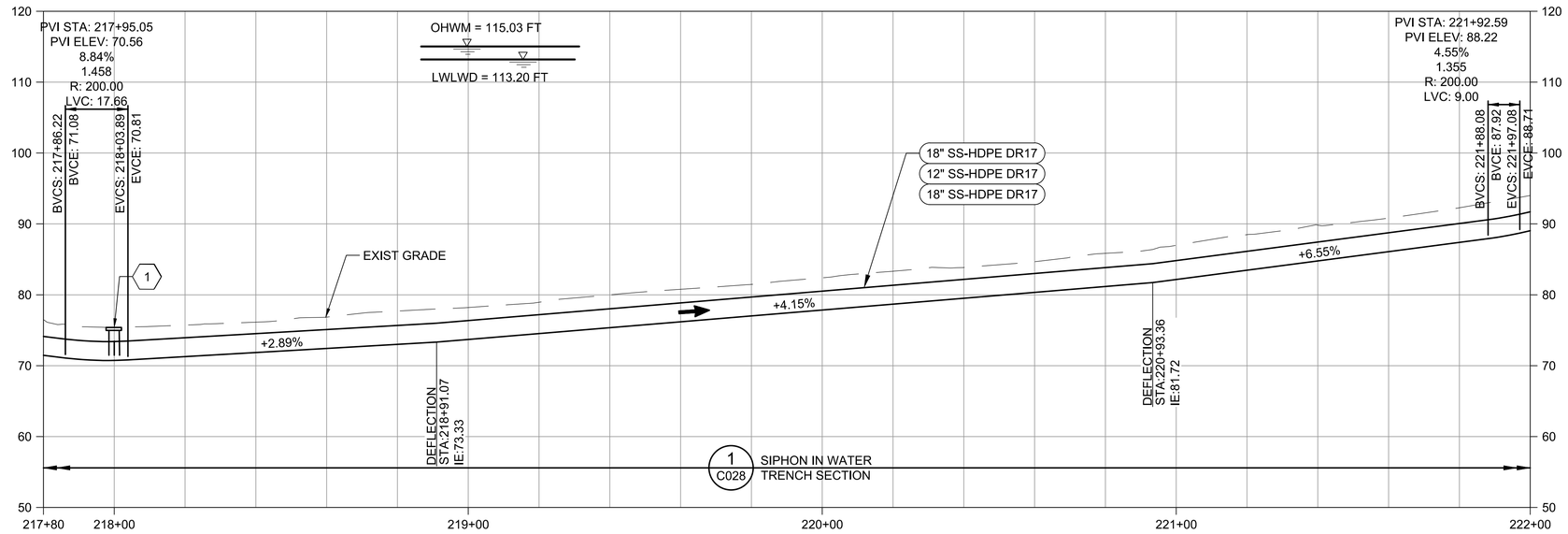
PLAN
SCALE: 1" = 20'

NOTES:

1. UNLESS OTHERWISE SHOWN, PROVIDE SAME BENDS AND FITTINGS FOR ALL THREE PIPELINES AND FOR AIR VENT.
2. PROVIDE ANCHOR BLOCKS PER C126. INSTALL ANCHOR BLOCKS AT MAXIMUM 10 FT SPACING, ALTERNATING TYPE 1 AND TYPE 2 BLOCKS. EXAMPLE, INSTALL TYPE 1 BLOCK AT STATION 212+00, INSTALL A TYPE 2 BLOCK AT STATION 212+10, INSTALL A TYPE 1 BLOCK AT STATION 212+20, ETC.
3. ANCHOR BLOCKS NEED NOT ALIGN AT ANY GIVEN STATION, BUT REQUIRED MAXIMUM SPACING MUST BE MET FOR ANY ONE PIPELINE.
4. THE LINE BETWEEN THE OUTER EDGES OF SUCCESSIVE ANCHOR BLOCKS MAY NOT OVERLAP ADJACENT ANCHOR BLOCKS.

(#) KEY NOTES:

1. INSTALL TEE WITH FULL-SIZED BRANCH POINTED UPWARD AND BLIND FLANGE ON EACH SIPHON SEWER AT STATION 218+00.



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

FOR REFERENCE ONLY

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: D. NICE	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON PLAN AND PROFILE STA 217+80 TO STA 222+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C334
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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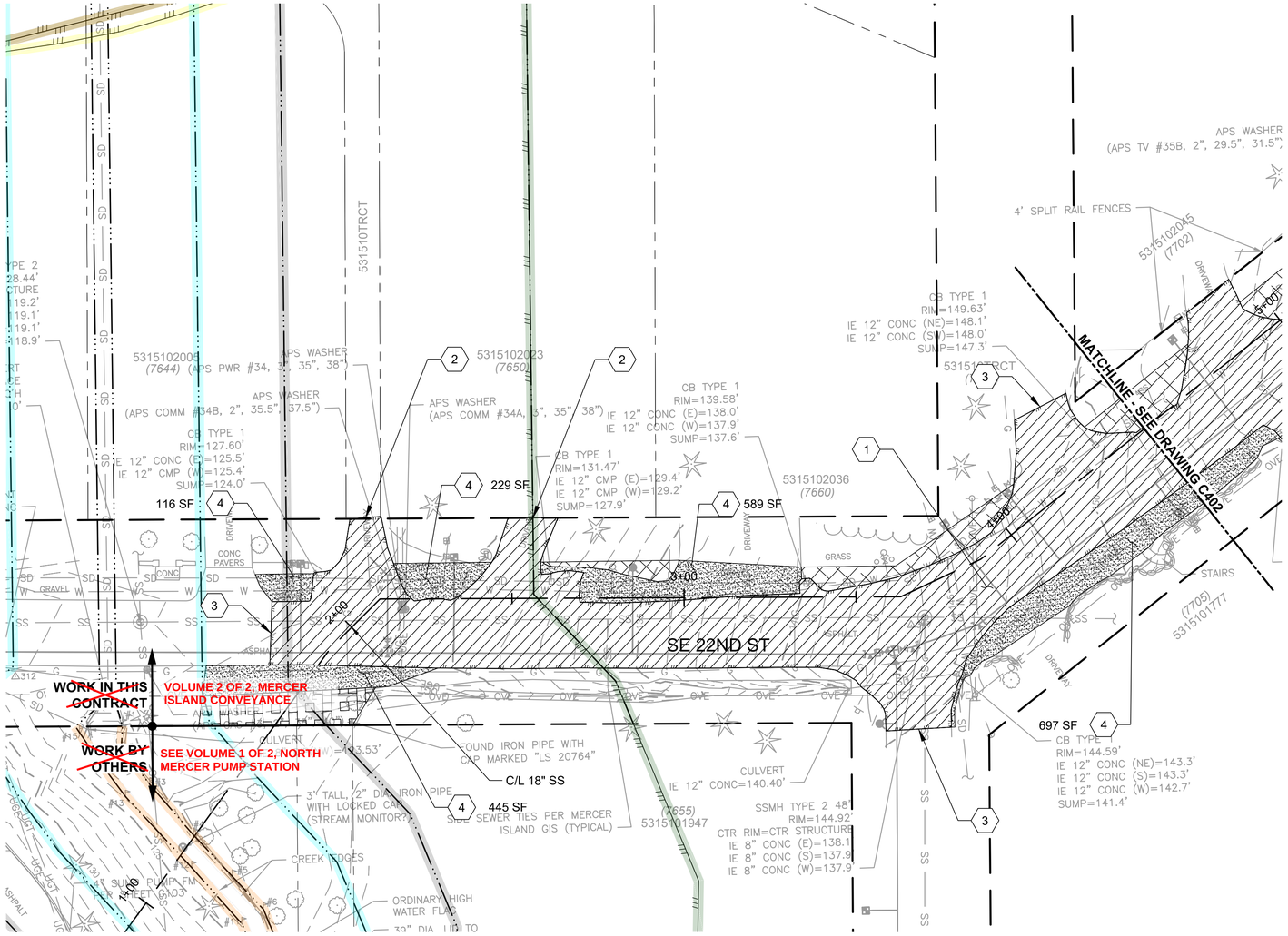
PLOTTED BY: Morris, Richard



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
3. SEE DRAWING C082 FOR PLANTING DETAILS.
4. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS
5. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
7. SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 7.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

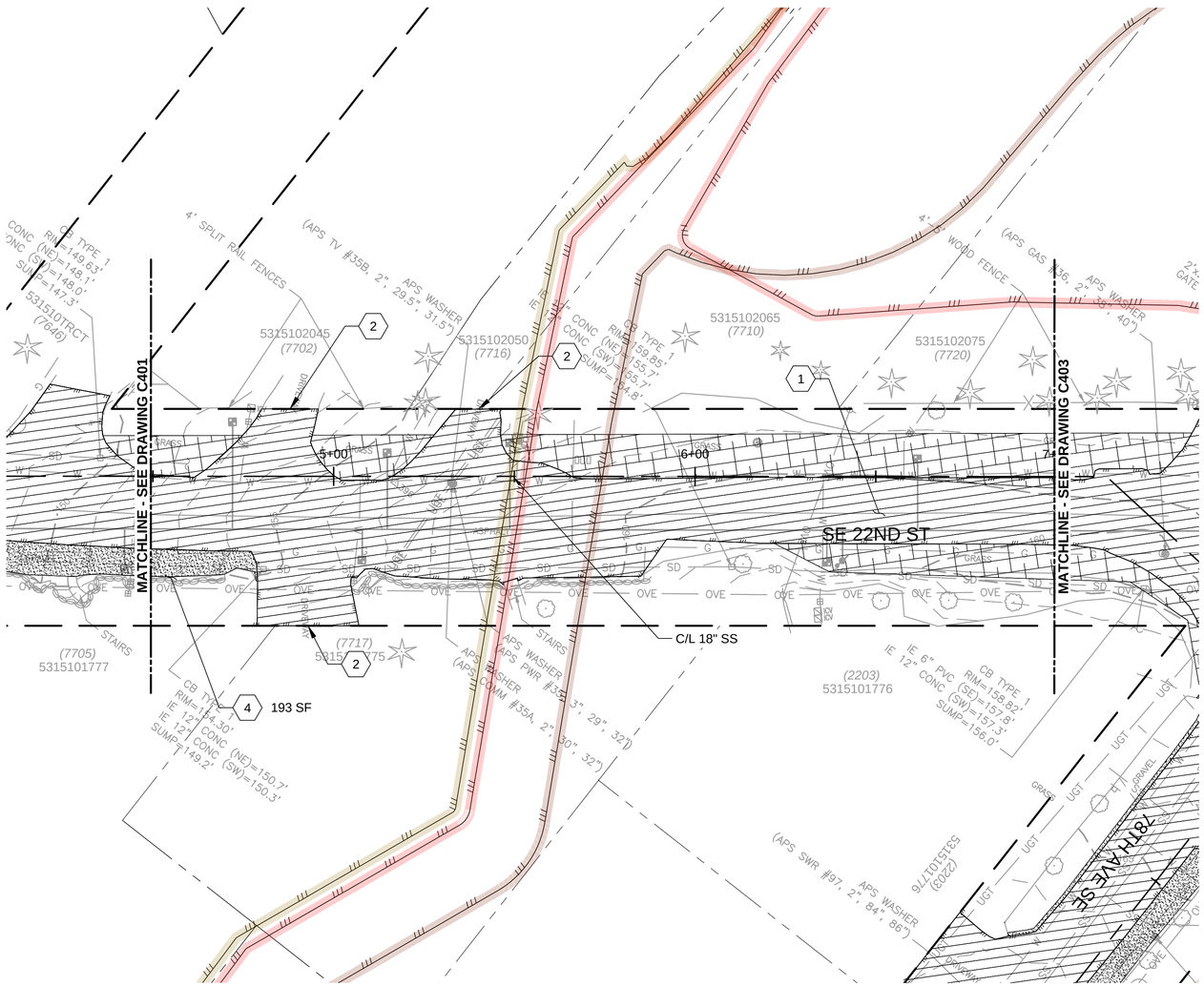
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 1+64 TO STA 4+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C401
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C401.dwg
PLOT DATE: 9/27/2019 10:03 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
7. SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

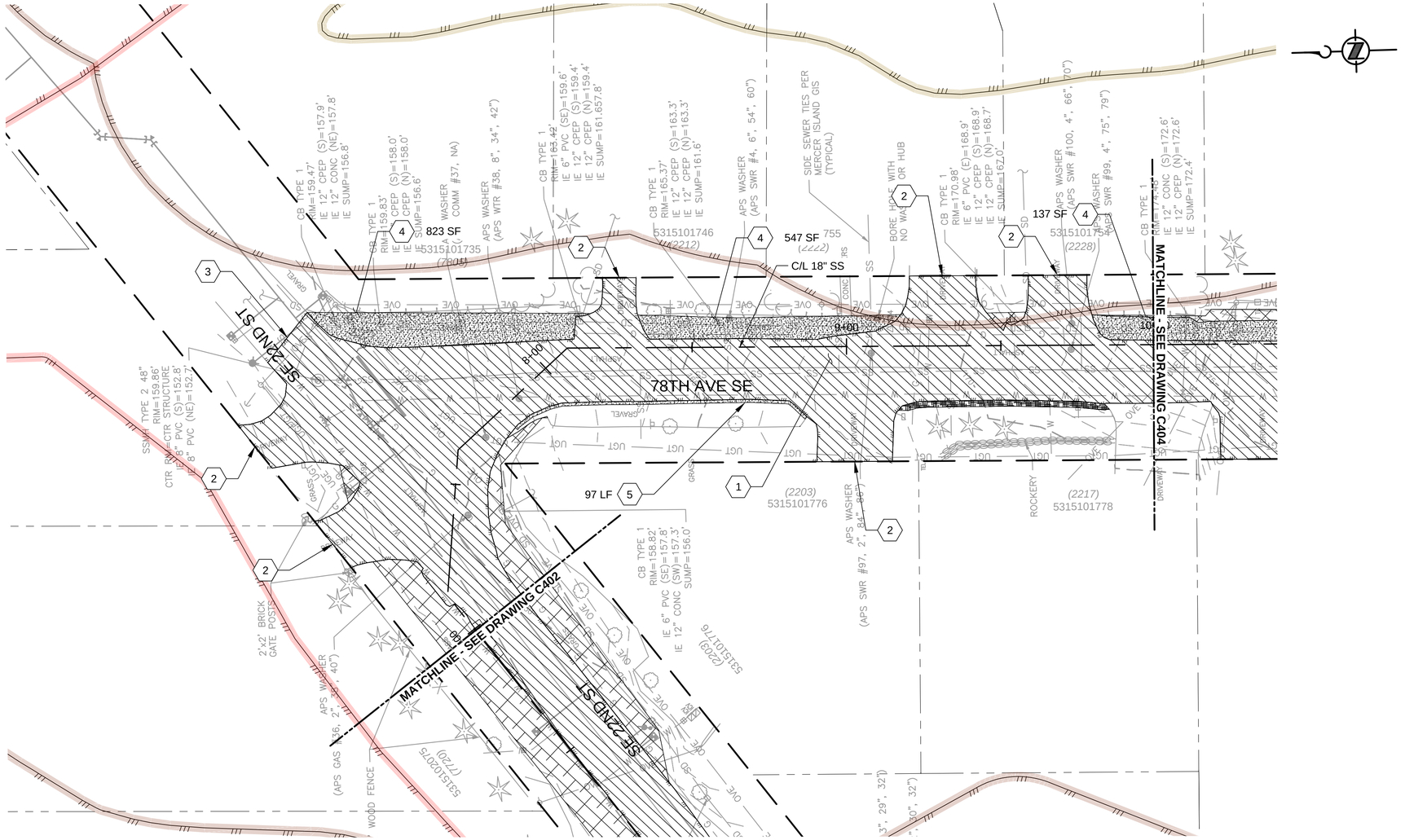
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 4+50 TO STA 7+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C402
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C402.dwg
PLOT DATE: 9/26/2019 11:13 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
7. SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.
5. PROVIDE GRAVEL WEDGE. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED
- WOOD CHIP MULCH

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

SCALE IN FEET: 0 20 40 60

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C403.dwg
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PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

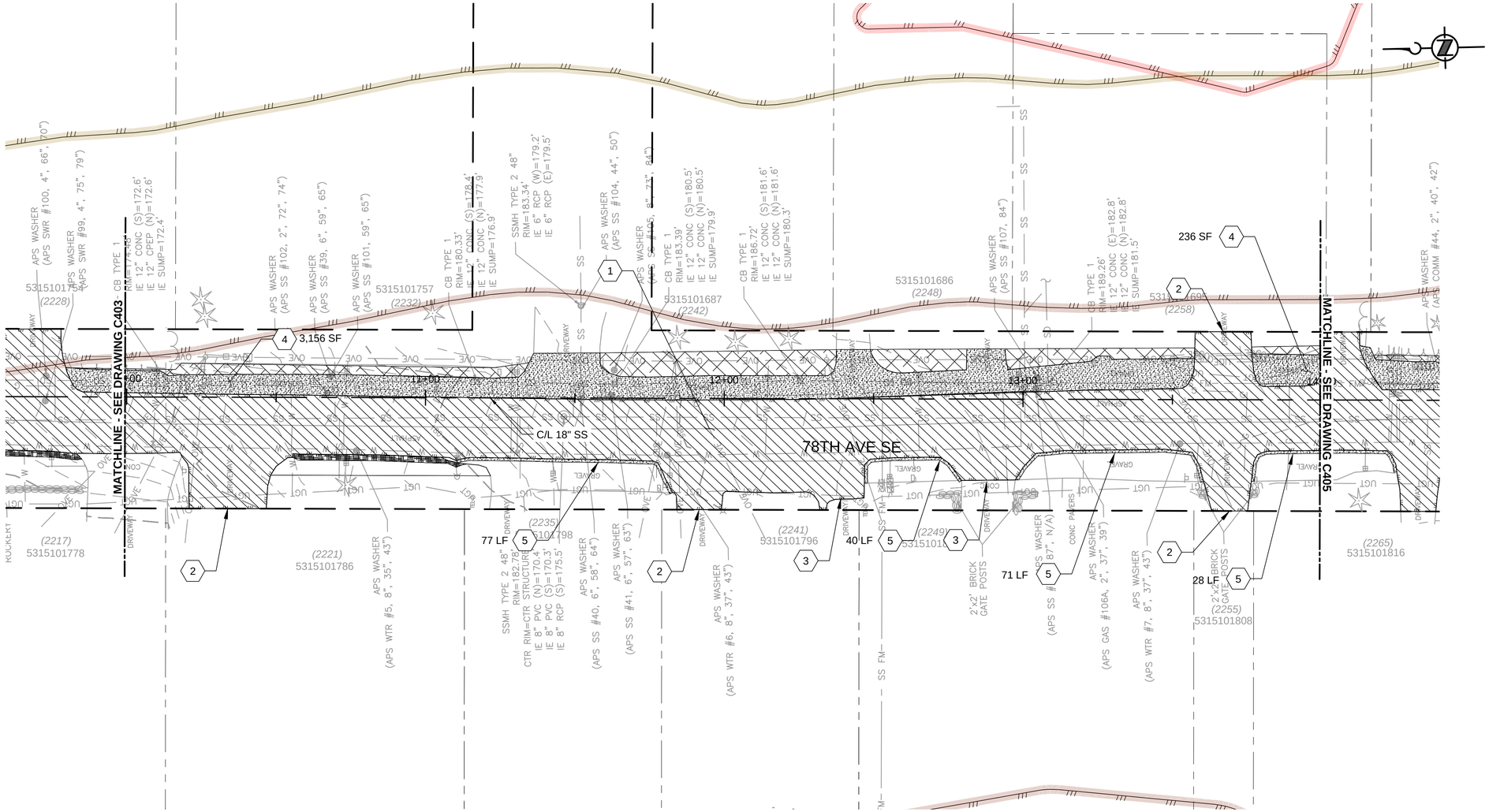
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 7+00 TO STA 10+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C403
SHT NO / TOTAL	/
REV NO:	



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
7. SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
5. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.
6. PROVIDE GRAVEL WEDGE. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED
- WOOD CHIP MULCH

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 10+00 TO STA 14+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C404
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C404.dwg
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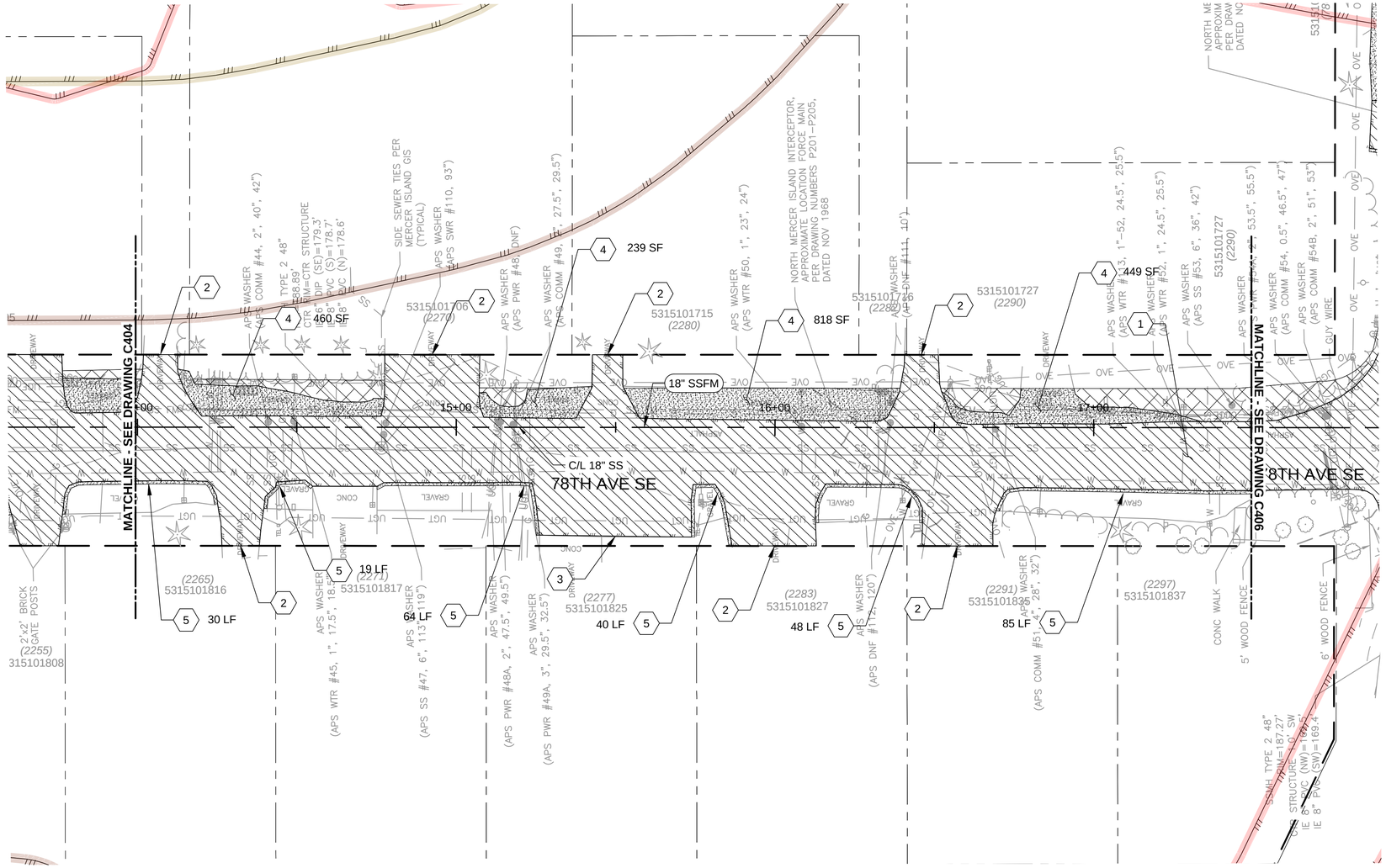
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
7. SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.
5. PROVIDE GRAVEL WEDGE. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

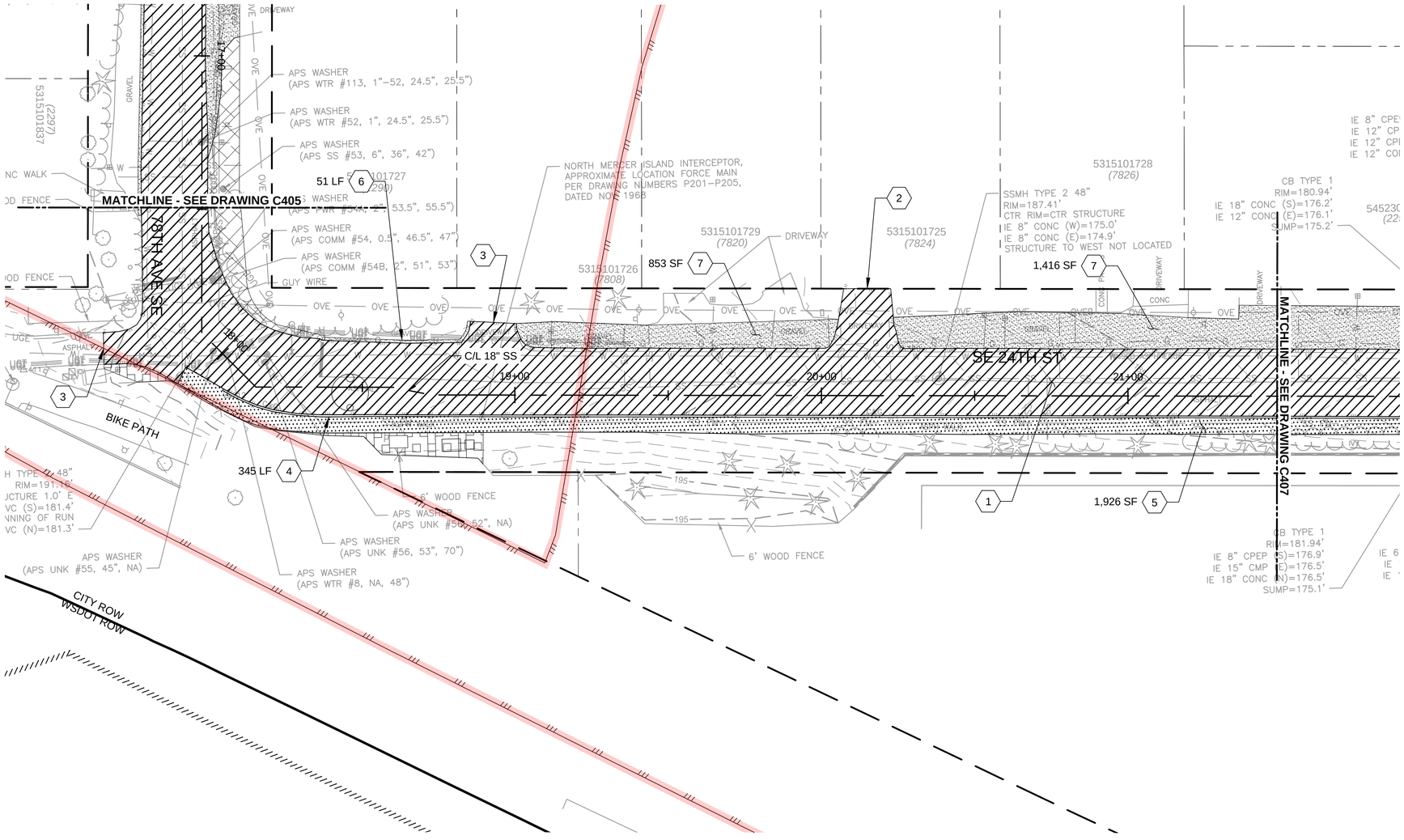
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 14+00 TO STA 17+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C405
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C405.dwg
PLOT DATE: 9/26/2019 11:19 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
7. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
8. SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
5. REPLACE FULL WIDTH OF ASPHALT SIDEWALK FOR EXTENTS SHOWN IN ACCORDANCE WITH CITY OF MERCER ISLAND REQUIREMENTS.
6. PROVIDE GRAVEL WEDGE. SEE C063 FOR DETAILS.
7. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 8.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

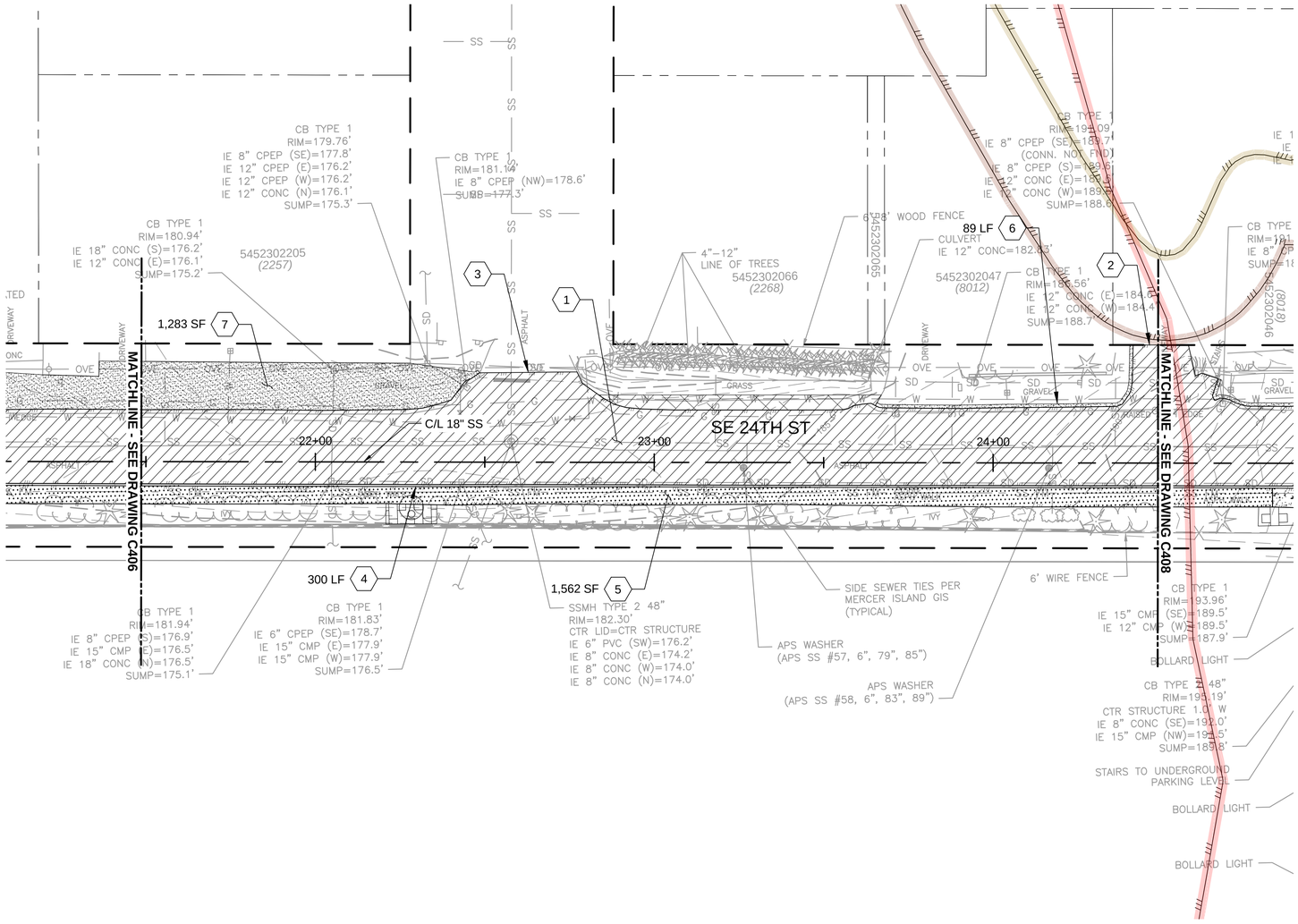
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NMPS FORCE MAIN SITE RESTORATION STA 17+50 TO STA 21+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C406
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C406.dwg
PLOT DATE: 9/26/2019 11:22 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
7. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
8. SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
5. REPLACE FULL WIDTH OF ASPHALT SIDEWALK FOR EXTENTS SHOWN IN ACCORDANCE WITH CITY OF MERCER ISLAND REQUIREMENTS.
6. PROVIDE GRAVEL WEDGE. SEE C063 FOR DETAILS.
7. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED
- NEW HMA SIDEWALK
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 9.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 21+50 TO STA 24+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C407
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C407.dwg
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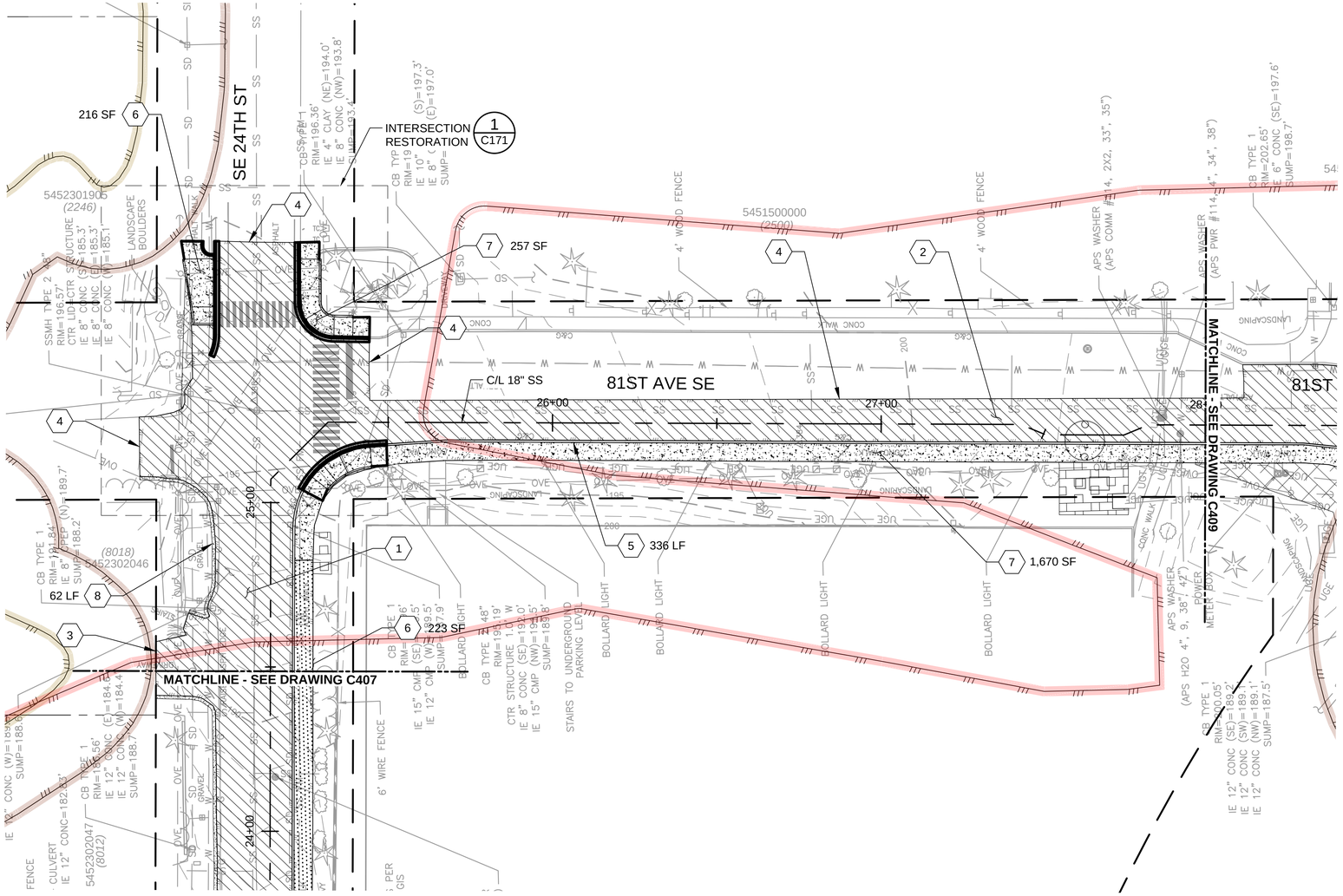
PLOTTED BY:D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
7. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
8. SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. PAVEMENT OVERLAY FOR ONE LANE (EXCL DRIVEWAYS).
3. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
4. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
5. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
6. REPLACE FULL WIDTH OF ASPHALT SIDEWALK FOR EXTENTS SHOWN IN ACCORDANCE WITH CITY OF MERCER ISLAND REQUIREMENTS.
7. REPLACE EXISTING CONCRETE SIDEWALK AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT OR PANEL. SEE DETAIL 3/C062.
8. PROVIDE GRAVEL WEDGE. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- NEW CEMENT CONCRETE SIDEWALK
- LAWN SEED
- NEW HMA SIDEWALK
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 9.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

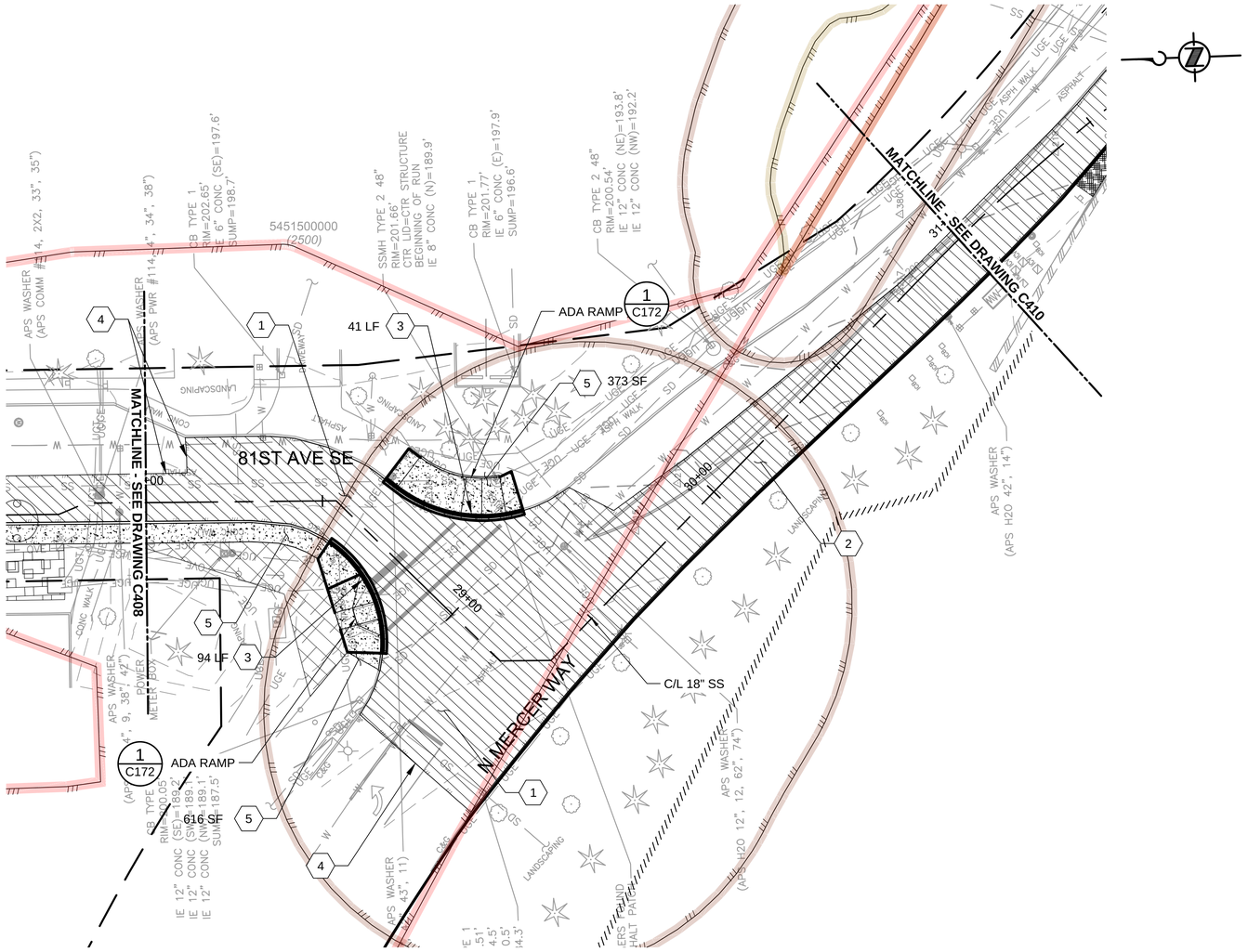
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 24+50 TO STA 28+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C408
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C408.dwg
PLOT DATE: 9/26/2019 11:25 AM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
7. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. PAVEMENT OVERLAY FOR ONE LANE (EXCL DRIVEWAYS).
3. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
4. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
5. REPLACE FULL WIDTH OF CONCRETE SIDEWALK FOR EXTENTS SHOWN IN ACCORDANCE WITH CITY OF MERCER ISLAND REQUIREMENTS. SEE DETAIL 3/C062.

LEGEND:

- HMA PLANING AND OVERLAY
- NEW CEMENT CONCRETE SIDEWALK
- LAWN SEED
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 9.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 28+00 TO STA 31+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C409
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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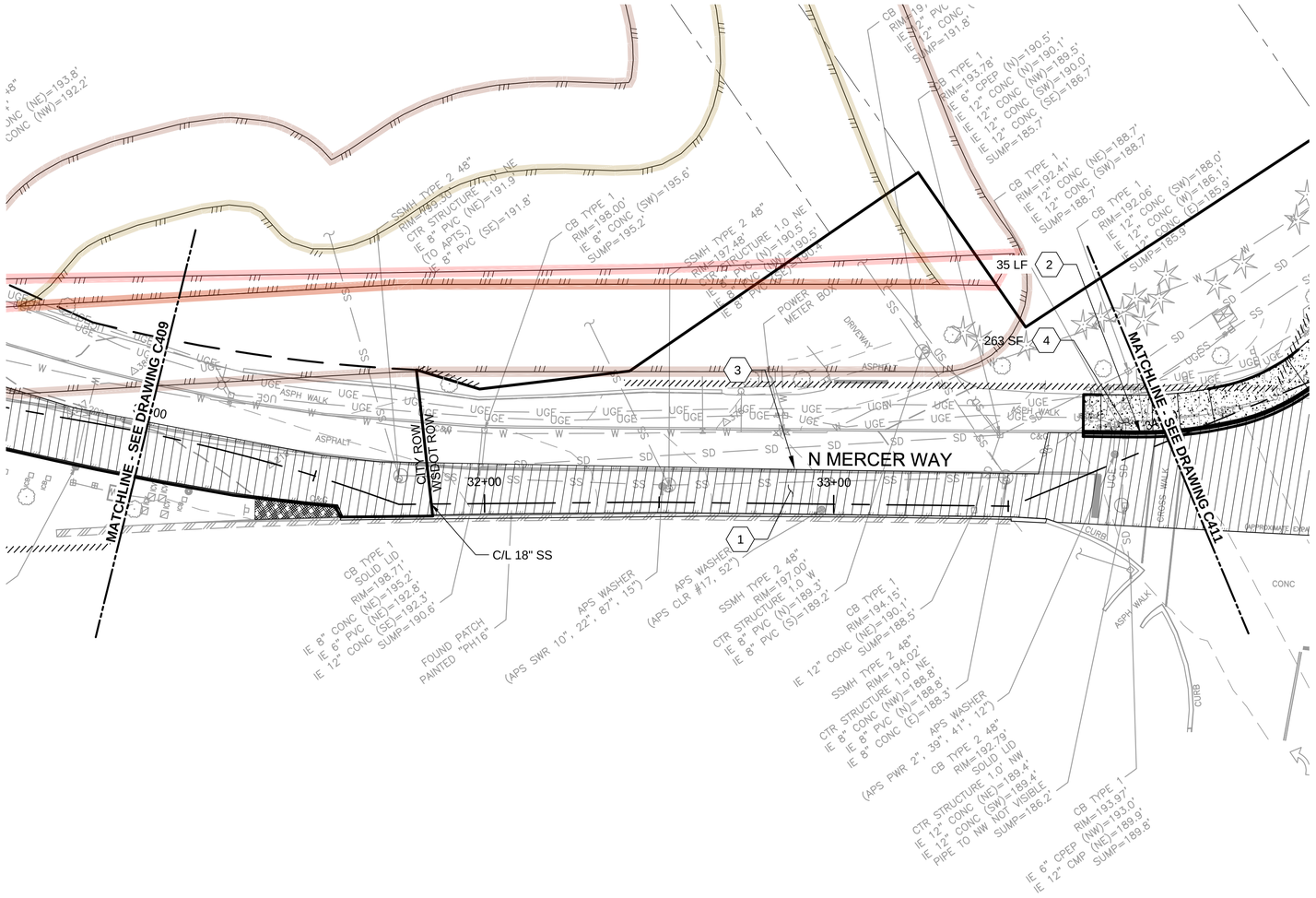
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.

KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. REPLACE FULL WIDTH OF CONCRETE SIDEWALK FOR EXTENTS SHOWN IN ACCORDANCE WITH CITY OF MERCER ISLAND REQUIREMENTS. SEE DETAIL 3/C062.

LEGEND:

- HMA PLANING AND OVERLAY
- WOOD CHIP MULCH
- NEW CEMENT CONCRETE SIDEWALK

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 31+00 TO STA 34+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C410
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C410.dwg
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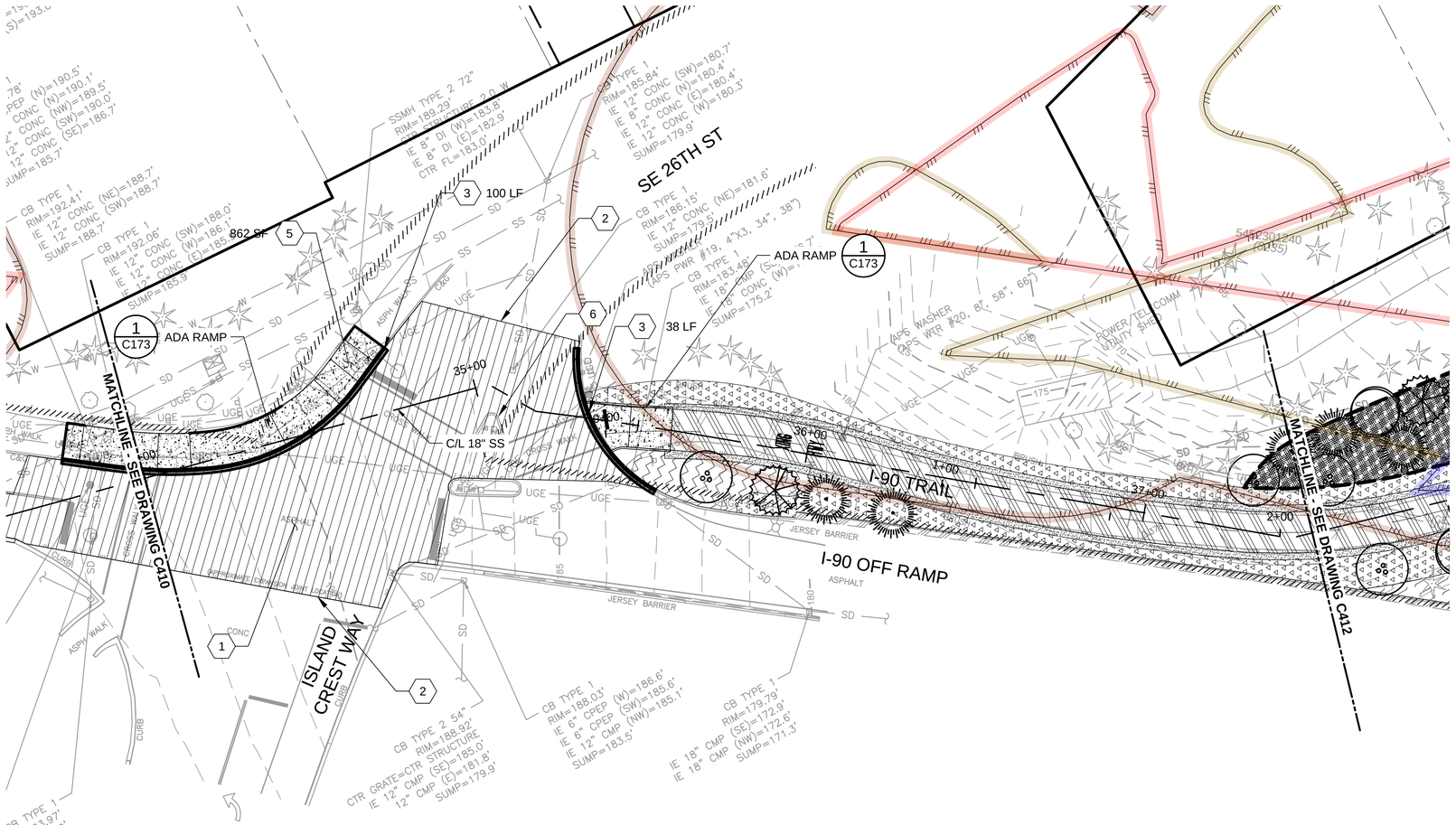
PLOTTED BY:D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
3. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
4. REPLACE WSDOT ITS LOOP AT INTERSECTION IF IMPACTED.
5. REPLACE EXISTING CONCRETE SIDEWALK AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT OR PANEL. SEE DETAIL 3/C021.
6. REESTABLISH TRAFFIC ISLAND.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX A
- MIX K
- NEW CEMENT CONCRETE SIDEWALK
- EDDIE'S WHITE WONDER DOGWOOD
- INCENSE CEDAR
- SHORE PINE

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 34+00 TO STA 37+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C411
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C411.dwg
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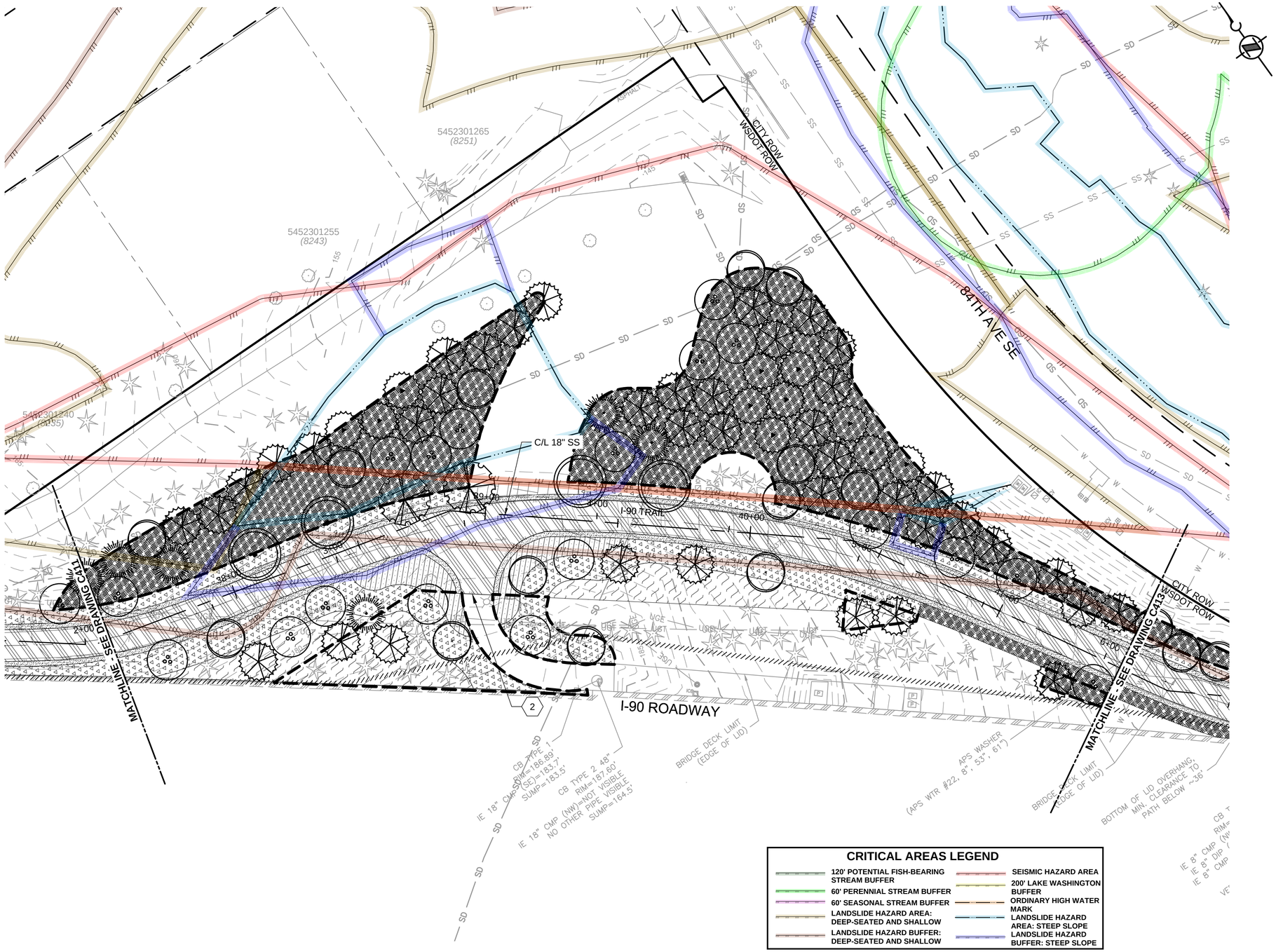
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. SAW CUT AND MATCH PROPOSED I-90 TRAIL PAVED SURFACE. PROVIDE A BUTT JOINT AT LOCATIONS INDICATED SIMILAR TO DETAIL 2/C062.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX A
- MIX K
- MIX J
- LAWN SEED
- WOOD CHIP MULCH
- SELECTIVE CLEARING
- AMERICAN HORNBEAM
- WESTERN RED CEDAR
- SHORE PINE
- RED RAGE TUPELO
- INCENSE CEDAR
- EDDIE'S WHITE WONDER DOGWOOD
- PERSIAN PARROTIA

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

DCN: TBD

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

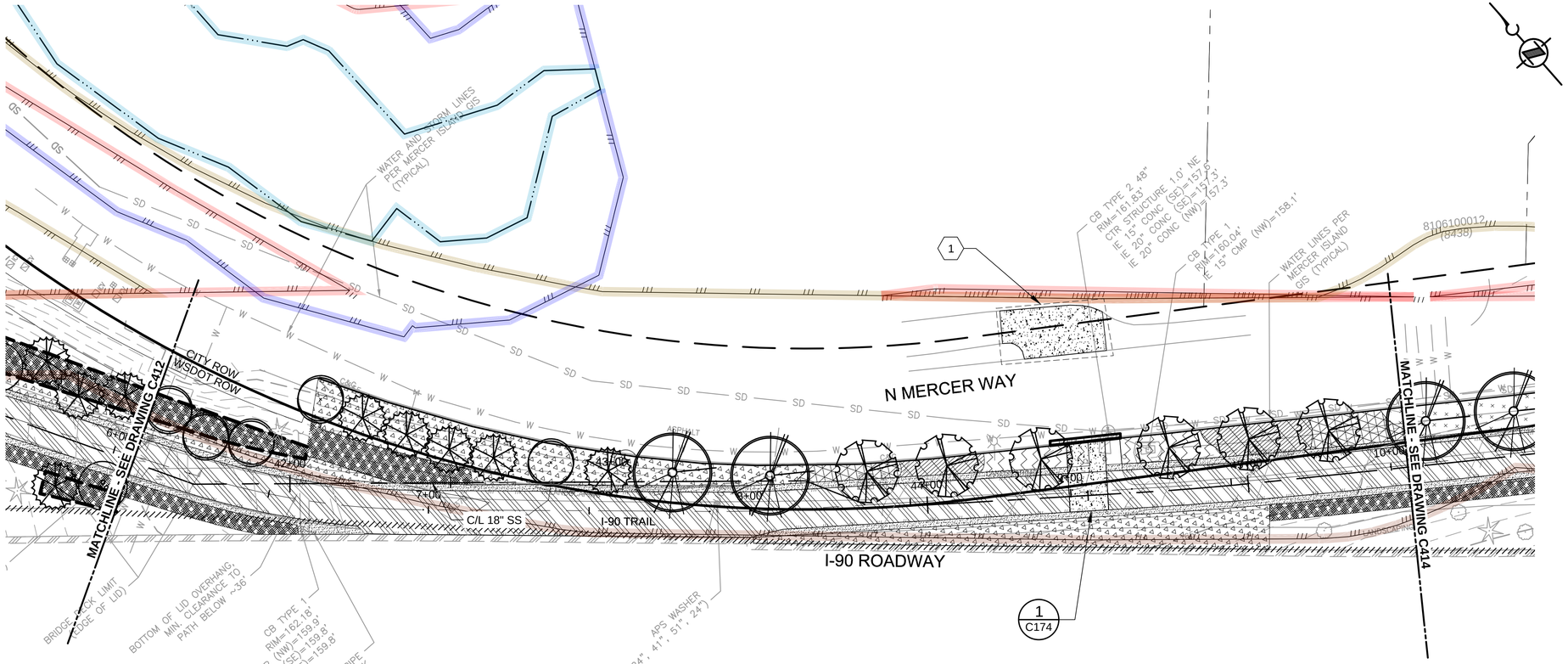
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 37+50 TO STA 41+50

DATE:
PROJECT FILE NO: TBD
DRAWING NO: C412
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C412.dwg
PLOT DATE: 9/26/2019 11:34 AM
PLOTTED BY: D'Aurig, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. INSTALL PARALLEL CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03. REPLACE IMPACTED CURB AND GUTTER AS NECESSARY. PROTECT ADJACENT EXISTING FACILITIES NOT DESIGNATED FOR REMOVAL IN PLACE.

LEGEND:

- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- CRUSHED GRAVEL (TYPE R)
- NEW CEMENT CONCRETE SIDEWALK
- WOOD CHIP MULCH
- AMERICAN HORNBEAM
- SHORE PINE
- INCENSE CEDAR
- EDDIE'S WHITE WONDER DOGWOOD
- RED RAGE TUPELO
- REDMOND BASSWOOD
- MIX L
- MIX R
- MIX M
- MIX B
- MIX A
- SELECTIVE CLEARING

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

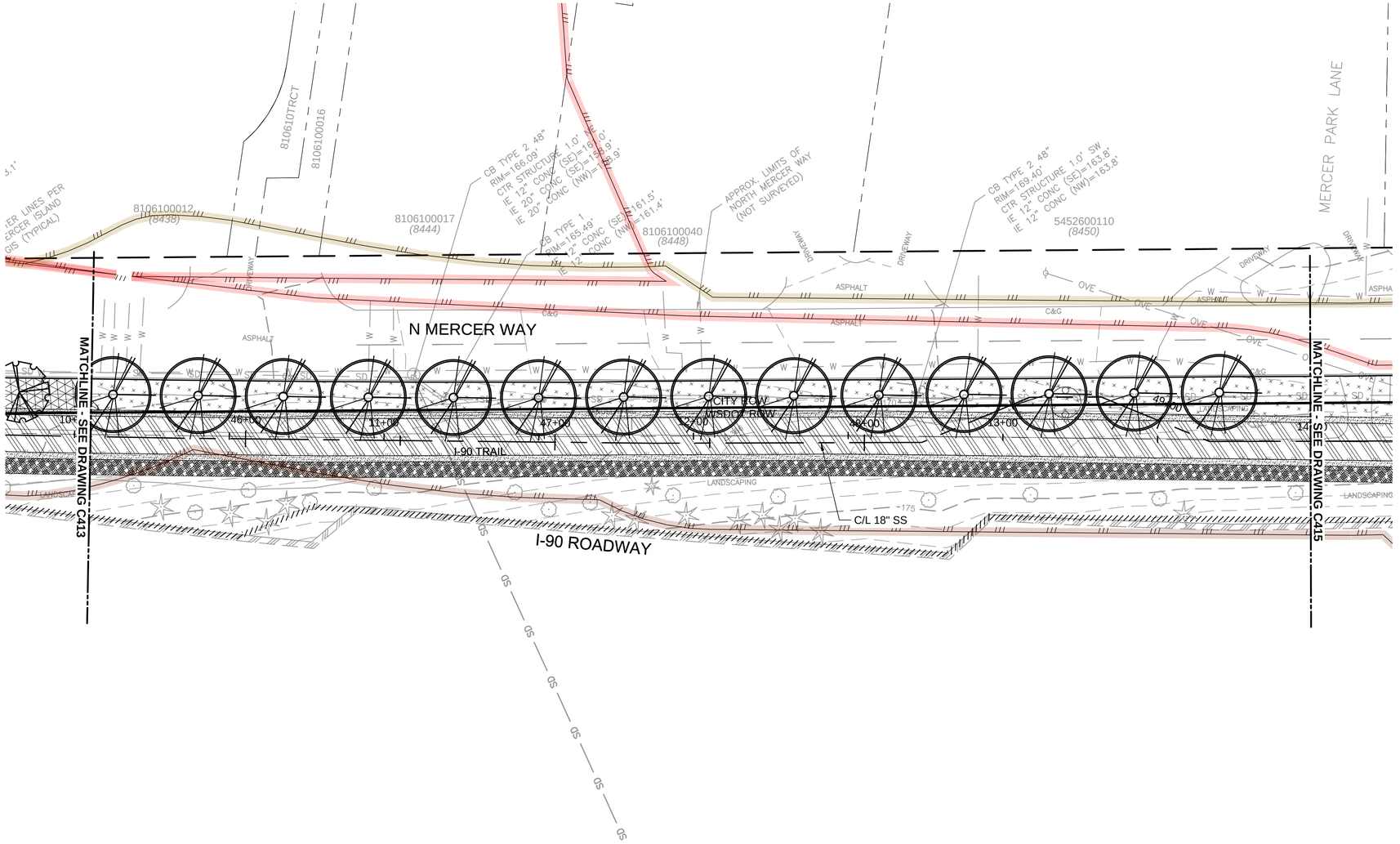
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NMPS FORCE MAIN SITE RESTORATION STA 41+50 TO STA 45+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C413
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C413.dwg
PLOT DATE: 9/26/2019 11:36 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

LEGEND:

- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX B
- WOOD CHIP MULCH
- CRUSHED GRAVEL (TYPE R)
- MIX L
- MIX R
- MIX M

RED RAGE TUPELO — PERSIAN PARROTIA

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

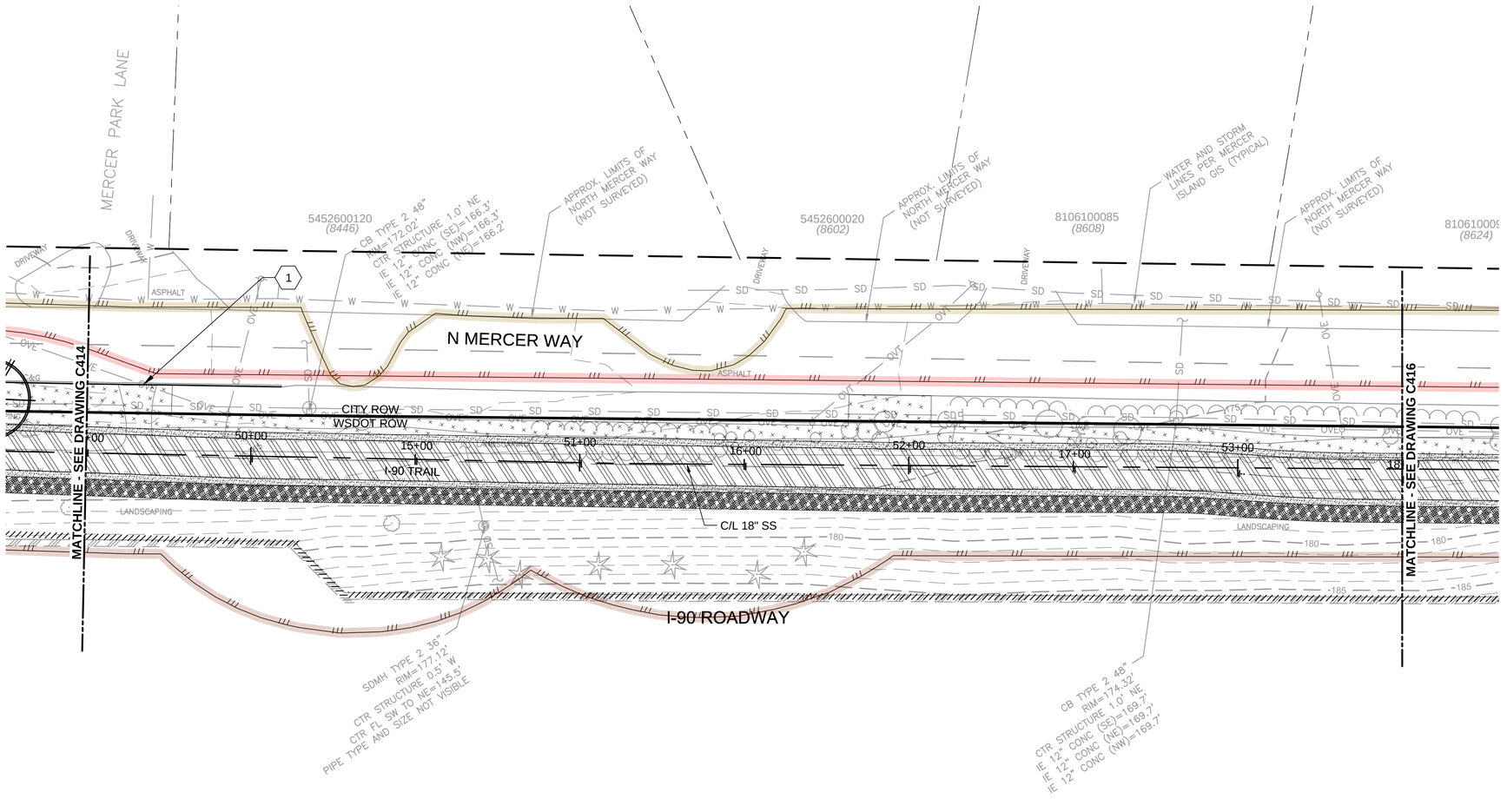
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 45+50 TO STA 49+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C414
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C414.dwg
PLOT DATE: 9/26/2019 11:38 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. REMOVE AND REPLACE CURB AND GUTTER PER DETAIL B/C021. EXTENT OF REPLACEMENT SHALL THE NEAREST JOINT PAST THE LIMIT OF CONTRACTOR DISTURBANCE.

LEGEND:

- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX B
- WOOD CHIP MULCH
- CRUSHED GRAVEL (TYPE R)
- PERSIAN IRONWOOD 'VANESSA'
- MIX L
- MIX R
- MIX M
- SELECTIVE CLEARING

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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PLOT DATE: 9/26/2019 11:40 AM
PLOTTED BY: Aurio Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

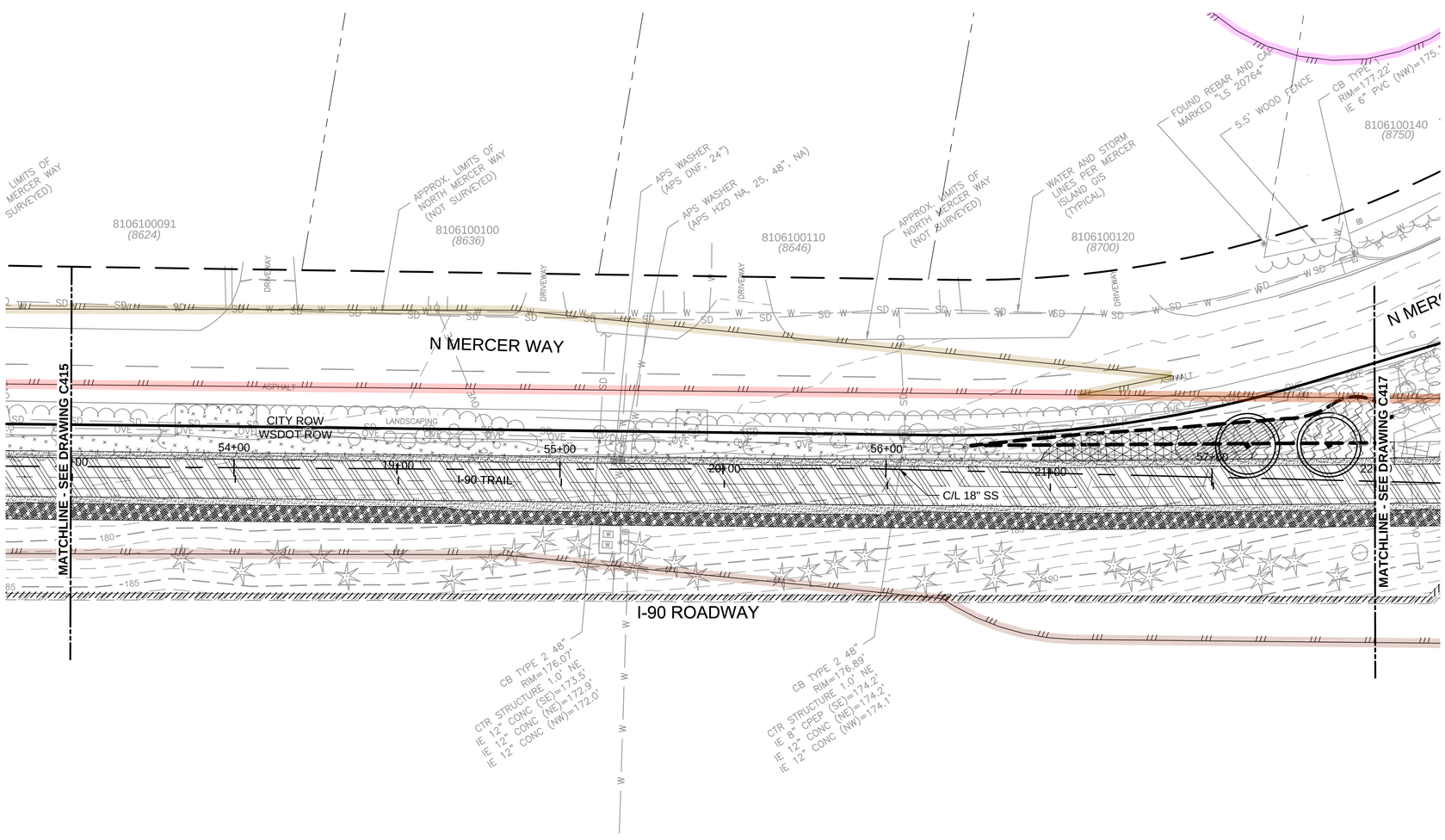
PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NMPS FORCE MAIN SITE RESTORATION STA 49+50 TO STA 53+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C415
SHT NO / TOTAL	/
REV NO:	



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

LEGEND:

- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX B
- LAWN SEED
- WOOD CHIP MULCH
- CRUSHED GRAVEL (TYPE R)
- MIX L
- MIX R
- MIX M
- SELECTIVE CLEARING

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

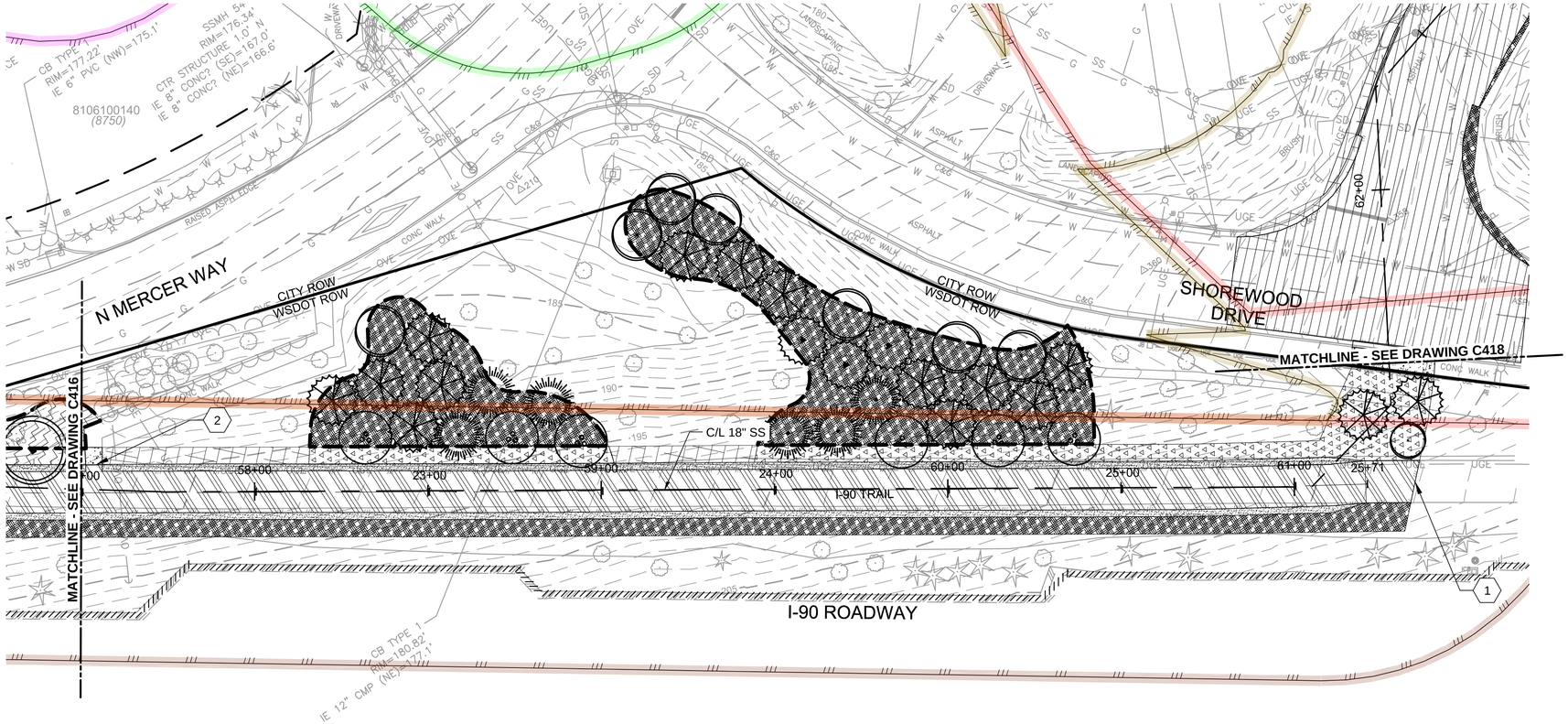
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 53+50 TO STA 57+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C416
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C416.dwg
PLOT DATE: 9/26/2019 11:42 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. REPAIR OR REPLACE IN KIND ANY IRRIGATION DAMAGED DURING CONSTRUCTION . CONTRACTOR TO DEMONSTRATE TO PROJECT REPRESENTATIVES THAT SYSTEM HAS BEEN LEFT OPERATIONAL.
2. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
3. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
4. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
5. SEE DRAWING C082 FOR PLANTING DETAILS.
6. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
7. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
8. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. MATCH EXISTING I-90 TRAIL HMA SURFACE. PROVIDE A BUTT JOINT AT LOCATIONS INDICATED SIMILAR TO DETAIL 2/C062.
2. EXTEND NEW PAVEMENT TRAIL EDGE TO MATCH EXIST CONCRETE PANEL. PROTECT EXIST CONCRETE PANEL IN PLACE DURING CONSTRUCTION. REPLACE IMPACTED CONCRETE PANELING AS NECESSARY TO NEAREST JOINT.

LEGEND:

- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 9)
- MIX A
- MIX B
- SELECTIVE CLEARING
- LAWN SEED
- INCENSE CEDAR
- WOOD CHIP MULCH
- AMERICAN HORNBEAM
- WESTERN REDCEDAR

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 57+50 TO STA 61+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C417
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C417.dwg
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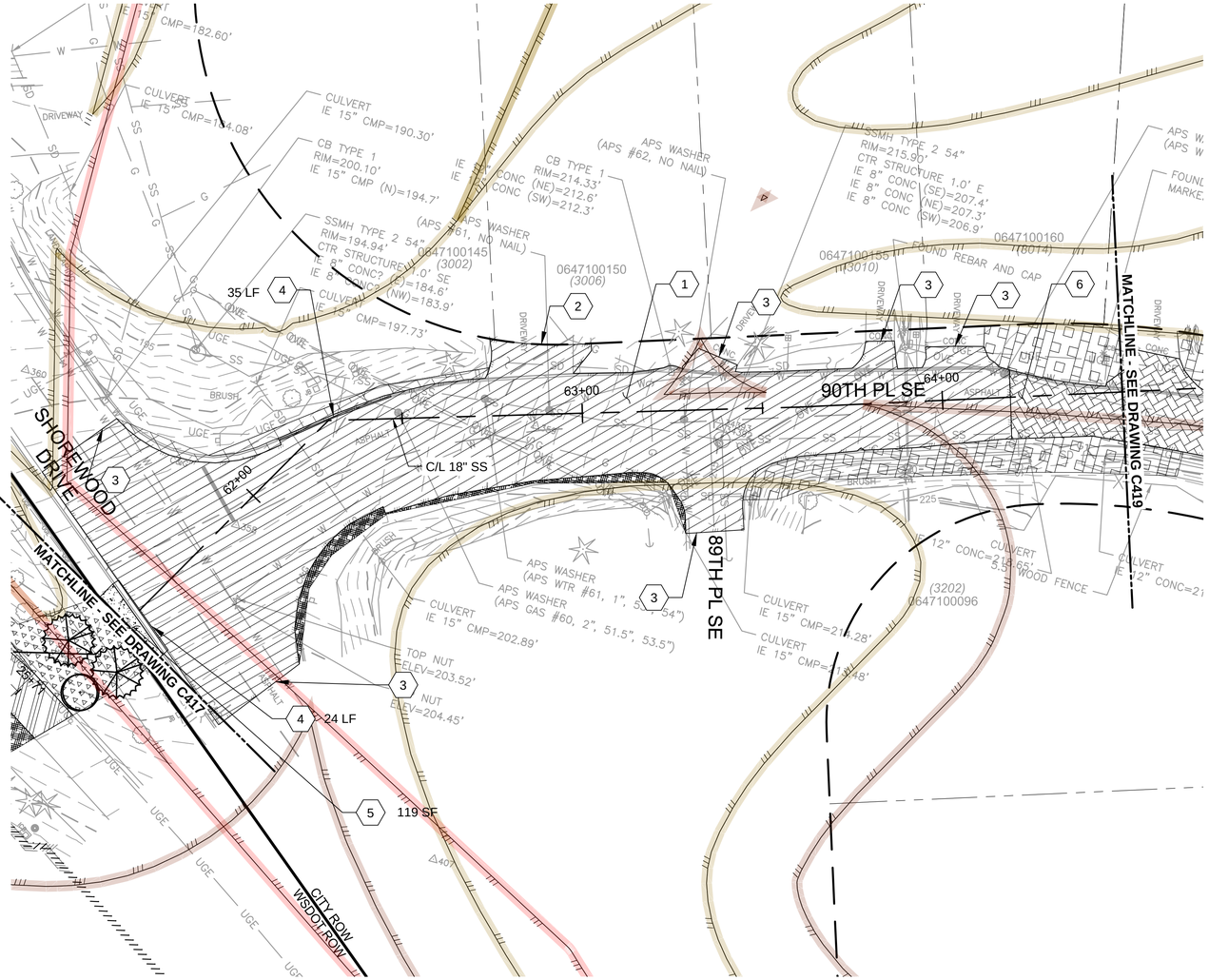
PLOTTED BY: D'Aurio, Isaac



LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 10)
- NEW CEMENT CONCRETE SIDEWALK
- MIX A
- LAWN SEED
- WOOD CHIP MULCH
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 8.
- FULL DEPTH PAVEMENT REPLACEMENT

NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
7. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
8. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW, SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
5. REPLACE EXISTING CONCRETE SIDEWALK AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT OR PANEL, SEE DETAIL 3/C021.
6. SEE SHEET C063 FOR FULL DEPTH PAVEMENT ROADWAY RESTORATION SECTION.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 61+50 TO STA 64+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C418
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
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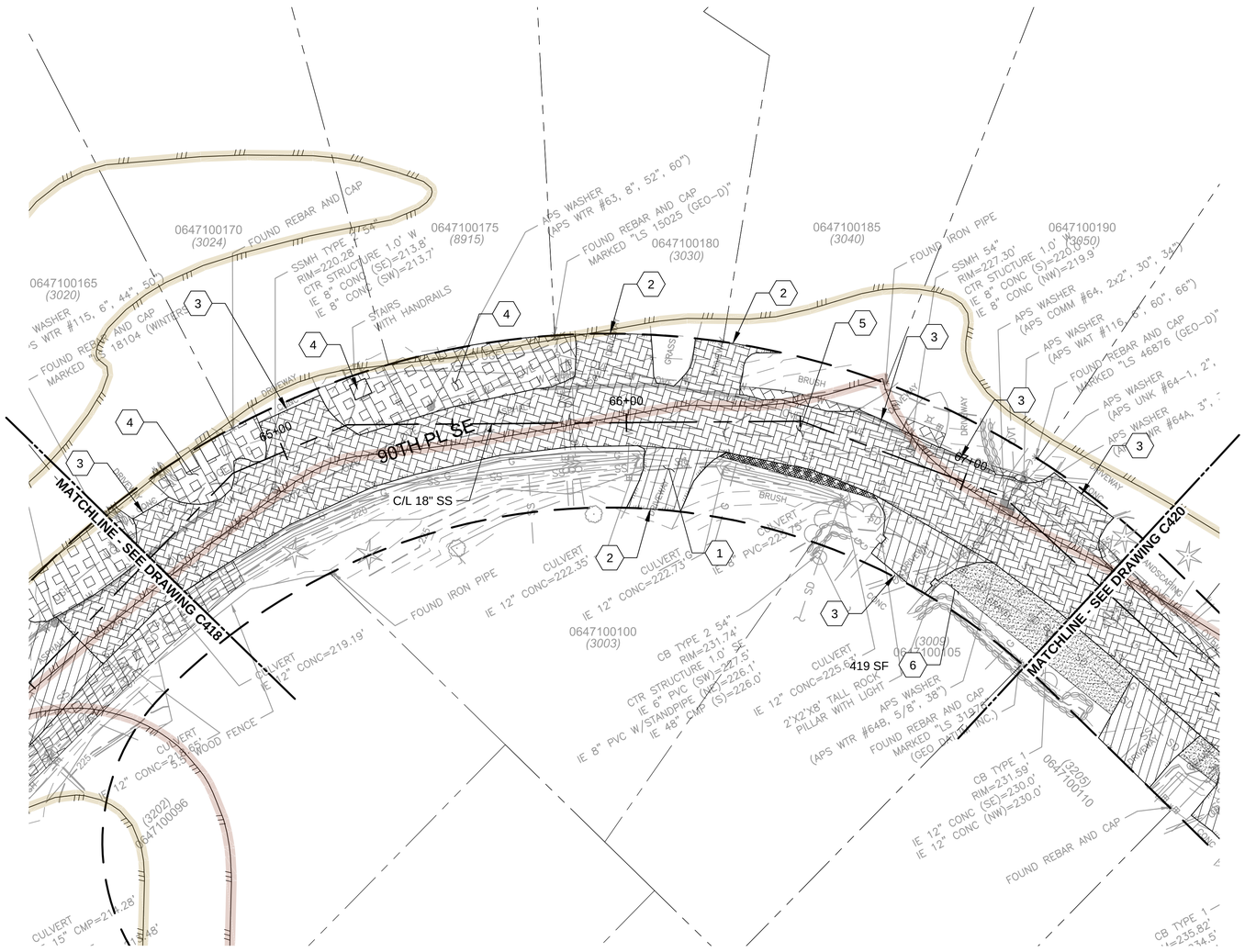
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
7. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. REPLACE CONCRETE PAVER.
5. SEE SHEET C063 FOR FULL DEPTH PAVEMENT ROADWAY RESTORATION SECTION.
6. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED
- WOOD CHIP MULCH
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 8.
- FULL DEPTH PAVEMENT REPLACEMENT

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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PLOT DATE: 9/26/2019 11:47 AM
PLOTTED BY:D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

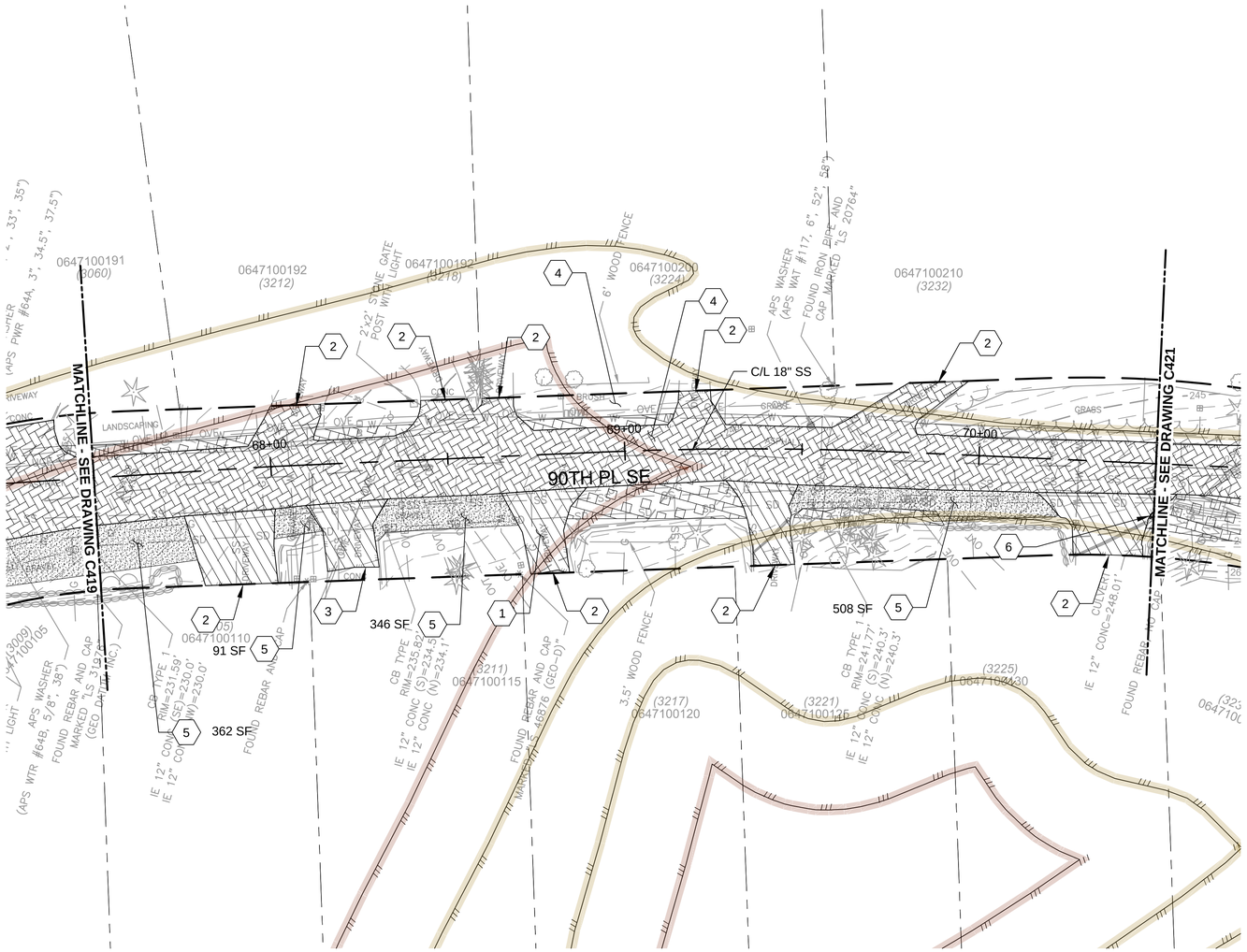
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 64+50 TO STA 67+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C419
SHT NO / TOTAL	/
REV NO:	



NOTES:

1. REPAIR OR REPLACE IN KIND ANY IRRIGATION DAMAGED DURING CONSTRUCTION . CONTRACTOR TO DEMONSTRATE TO PROJECT REPRESENTATIVES THAT SYSTEM HAS BEEN LEFT OPERATIONAL.
2. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
3. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
4. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
5. SEE DRAWING C082 FOR PLANTING DETAILS.
6. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
7. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
8. FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
3. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
4. SEE SHEET C063 FOR FULL DEPTH PAVEMENT ROADWAY RESTORATION SECTION.
5. PROVIDE GRAVEL SHOULDER. SEE C063 FOR DETAILS.
6. INSTALL ROCKERY TO MATCH EXISTING.

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- LAWN SEED
- WOOD CHIP MULCH
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 9.
- FULL DEPTH PAVEMENT REPLACEMENT

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

DCN: TBD

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

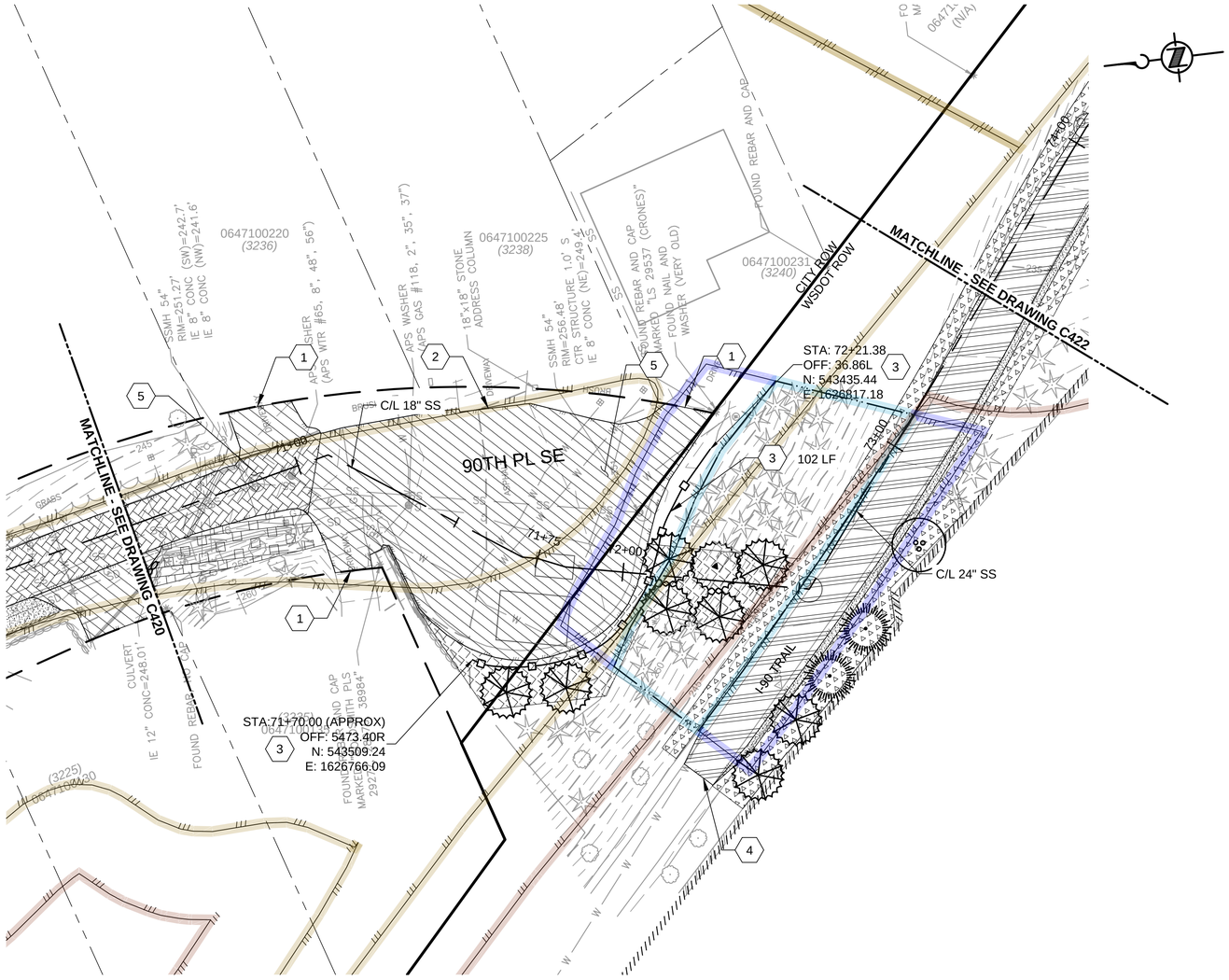
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NMPS FORCE MAIN SITE RESTORATION STA 67+50 TO STA 70+50

DATE:
PROJECT FILE NO: TBD
DRAWING NO: C420
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C420.dwg
PLOT DATE: 9/26/2019 11:49 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
7. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
8. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
2. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
3. INSTALL 102 LF OF BEAM GUARD RAIL TYPE 31 PER WSDOT STANDARD DETAIL C-20.40-06. FOR END SECTIONS, REFER TO WSDOT STANDARD DETAIL C-7.
4. MATCH EXISTING I-90 TRAIL HMA SURFACE. PROVIDE A BUTT JOINT AT LOCATIONS INDICATED SIMILAR TO DETAIL 2/C062.
5. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

LEGEND:

- FULL DEPTH PAVEMENT REPLACEMENT
- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 9)
- MIX A
- MIX D
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 8.
- INCENSE CEDAR
- WESTERN REDCEDAR
- SHORE PINE
- EDDIE'S WHITE WONDER DOGWOOD

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

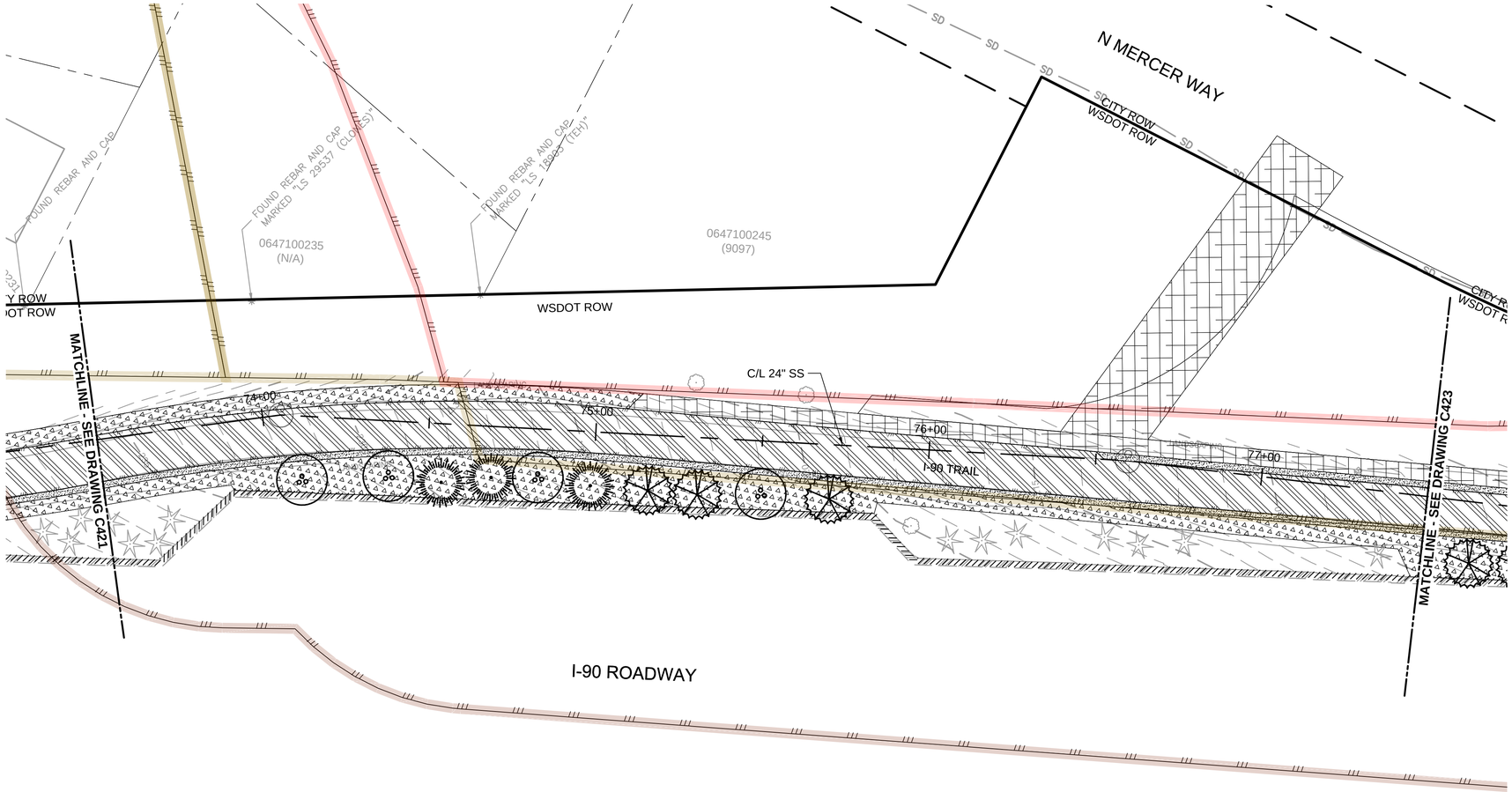
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NMPS FORCE MAIN SITE RESTORATION STA 70+50 TO STA 73+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C421
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C421.dwg
PLOT DATE: 9/26/2019 11:51 AM
PLOTTED BY:Aurio, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

LEGEND:

- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX A
- LAWN SEED
- CRUSHED GRAVEL (TYPE R)
- SHORE PINE
- INCENSE CEDAR
- WESTERN REDCEDAR
- EDDIE'S WHITE WONDER DOGWOOD

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

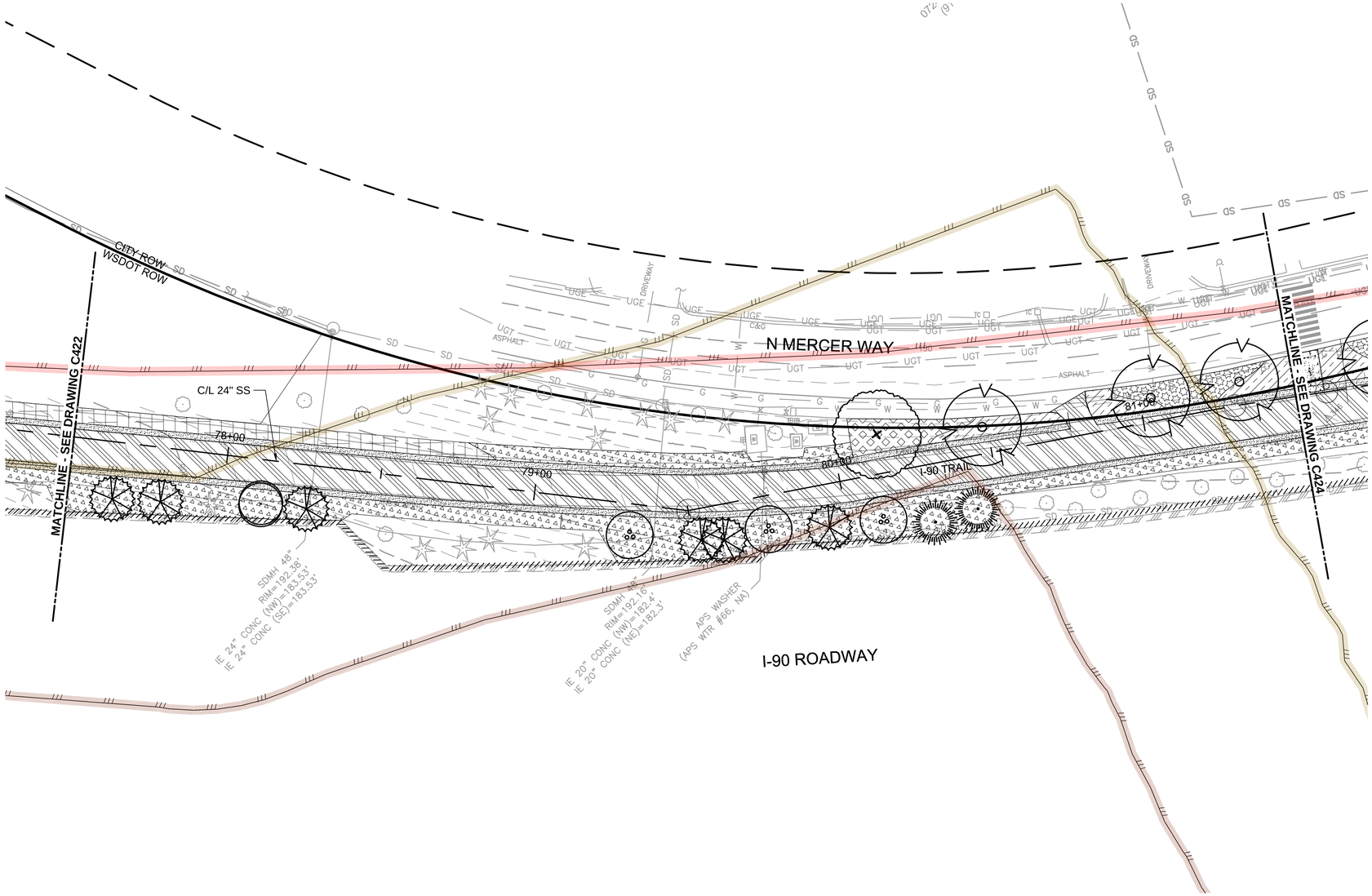
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE RESTORATION STA 73+50 TO STA 77+50

DCN: TBD	
DATE:	
PROJECT FILE NO: TBD	
DRAWING NO: C422	
SHT NO / TOTAL: /	REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C422.dwg
PLOT DATE: 9/26/2019 11:53 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

LEGEND:

- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX A
- MIX C
- MIX N
- MIX P
- MIX S
- LAWN SEED
- CRUSHED GRAVEL (TYPE R)
- WOOD CHIP MULCH
- MAIDENHAIR TREE
- ITALIAN OAK

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE RESTORATION STA 77+50 TO STA 81+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C423
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C423.dwg
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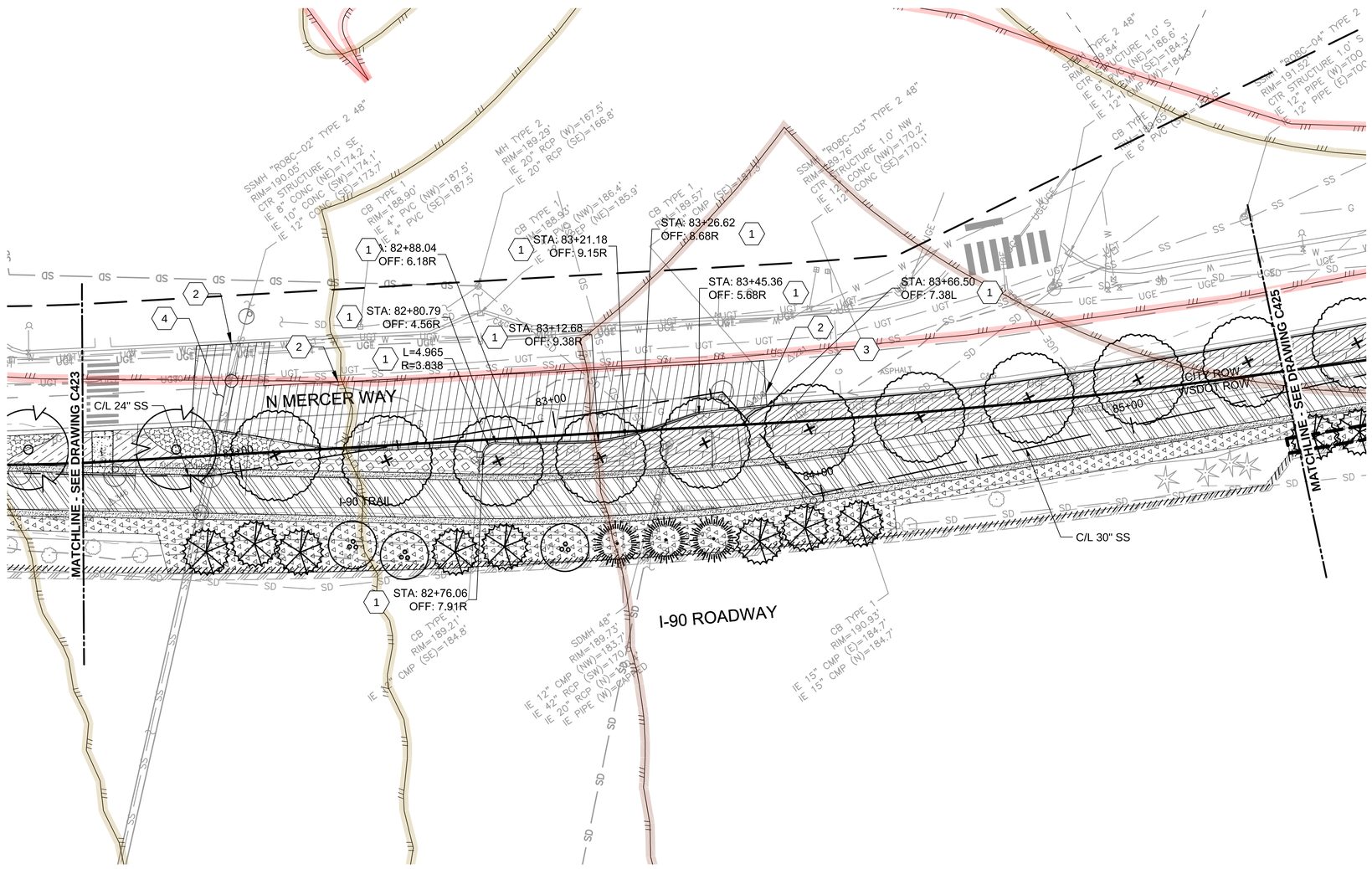
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. INSTALL 94 LF OF CONCRETE CURB AND GUTTER AT EXTENTS AND LOCATIONS INDICATED. SEE DETAIL B/C062.
2. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
3. MIX S COTONEASTER PROCUMBENS 'LITTLE DIPPER' ONLY.
4. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

LEGEND:

- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX C
- MIX N
- MIX P
- MIX S
- MIX Q
- MIX A
- CRUSHED GRAVEL (TYPE R)
- WOOD CHIP MULCH
- MAIDENHAIR TREE
- ITALIAN OAK

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE RESTORATION STA 81+50 TO STA 85+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C424
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C424.dwg
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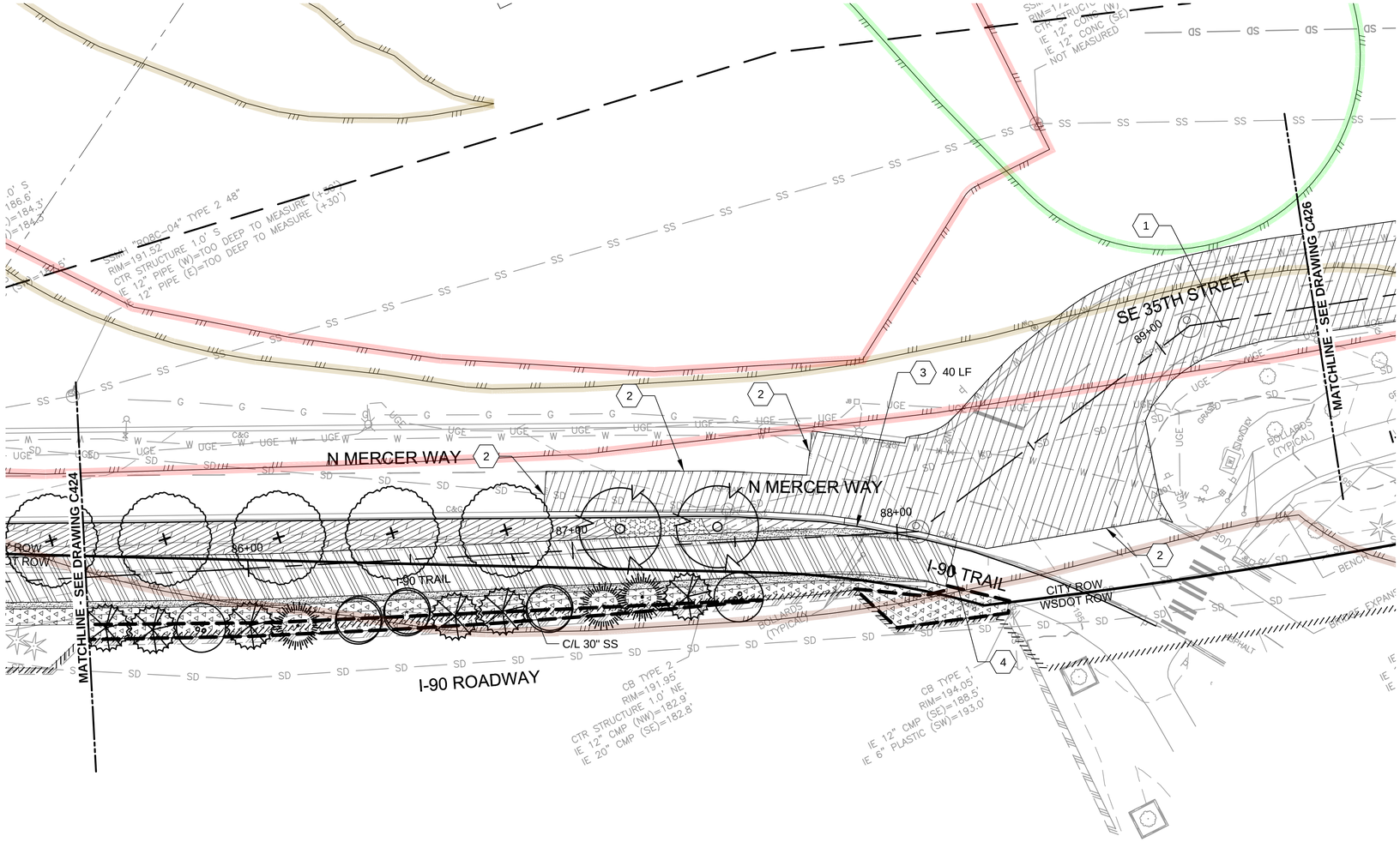
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
3. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
4. MATCH EXISTING I-90 TRAIL HMA SURFACE. PROVIDE A BUTT JOINT AT LOCATIONS INDICATED SIMILAR TO DETAIL 2/C062.

LEGEND:

- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- HMA PLANING AND OVERLAY
- MIX C
- WOOD CHIP MULCH
- SELECTIVE CLEARING
- MIX N
- MIX P
- MIX A
- CRUSHED GRAVEL (TYPE R)
- MAIDENHAIR TREE
- ITALIAN OAK

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

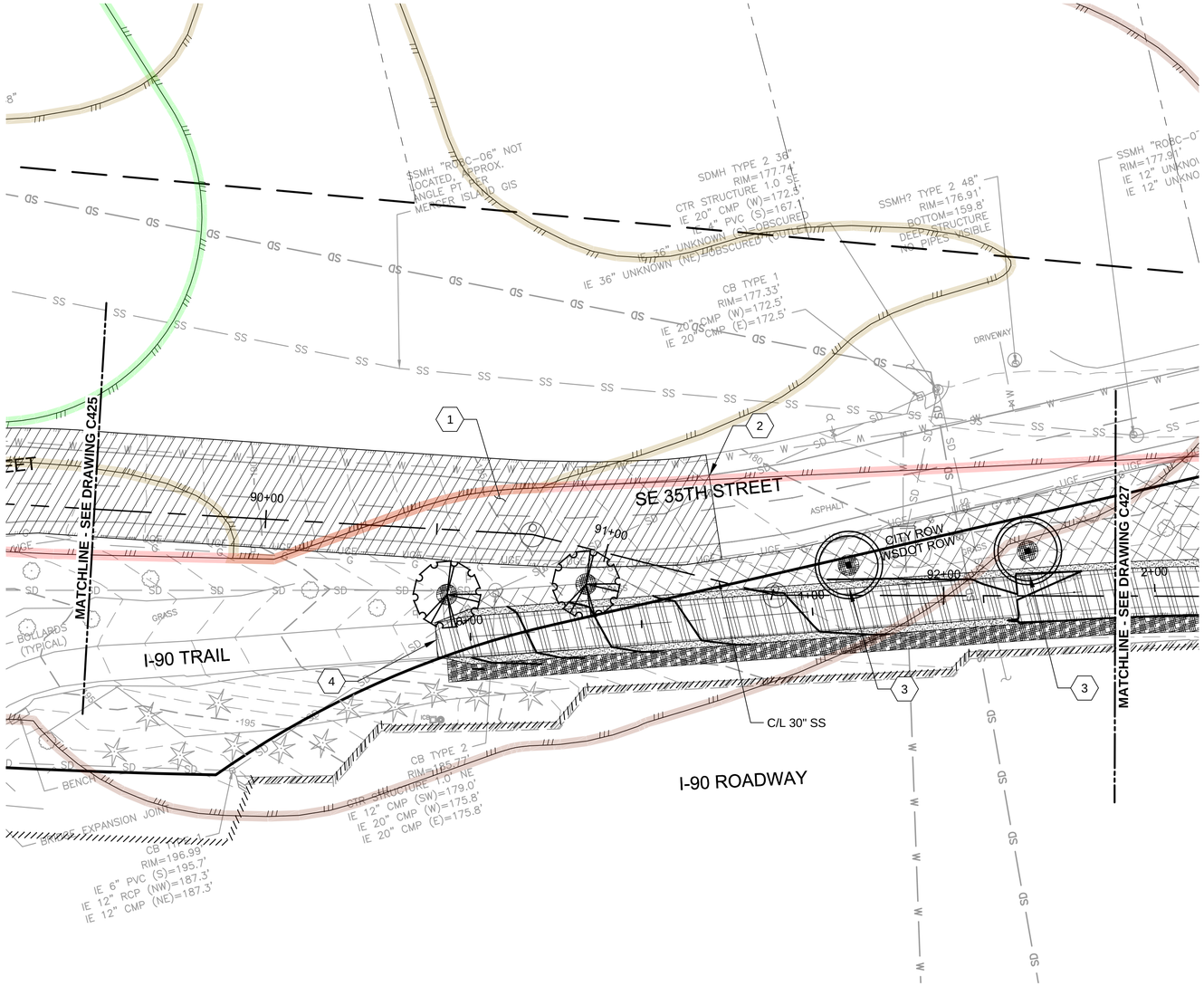
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE RESTORATION STA 85+50 TO STA 89+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C425
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C425.dwg
PLOT DATE: 9/26/2019 11:59 AM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 2/C062.
3. ADD 2' RADIUS MULCH RINGS, 4 INCH-DEPTH AROUND TRUNK OF EACH TREE.
4. MATCH EXISTING I-90 TRAIL HMA SURFACE. PROVIDE A BUTT JOINT AT LOCATIONS INDICATED SIMILAR TO DETAIL 2/C062.

LEGEND:

- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- LAWN SEED
- CRUSHED GRAVEL (TYPE R)
- WOOD CHIP MULCH
- RED RAGE TUPELO

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C426.dwg
PLOT DATE: 9/26/2019 12:01 PM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

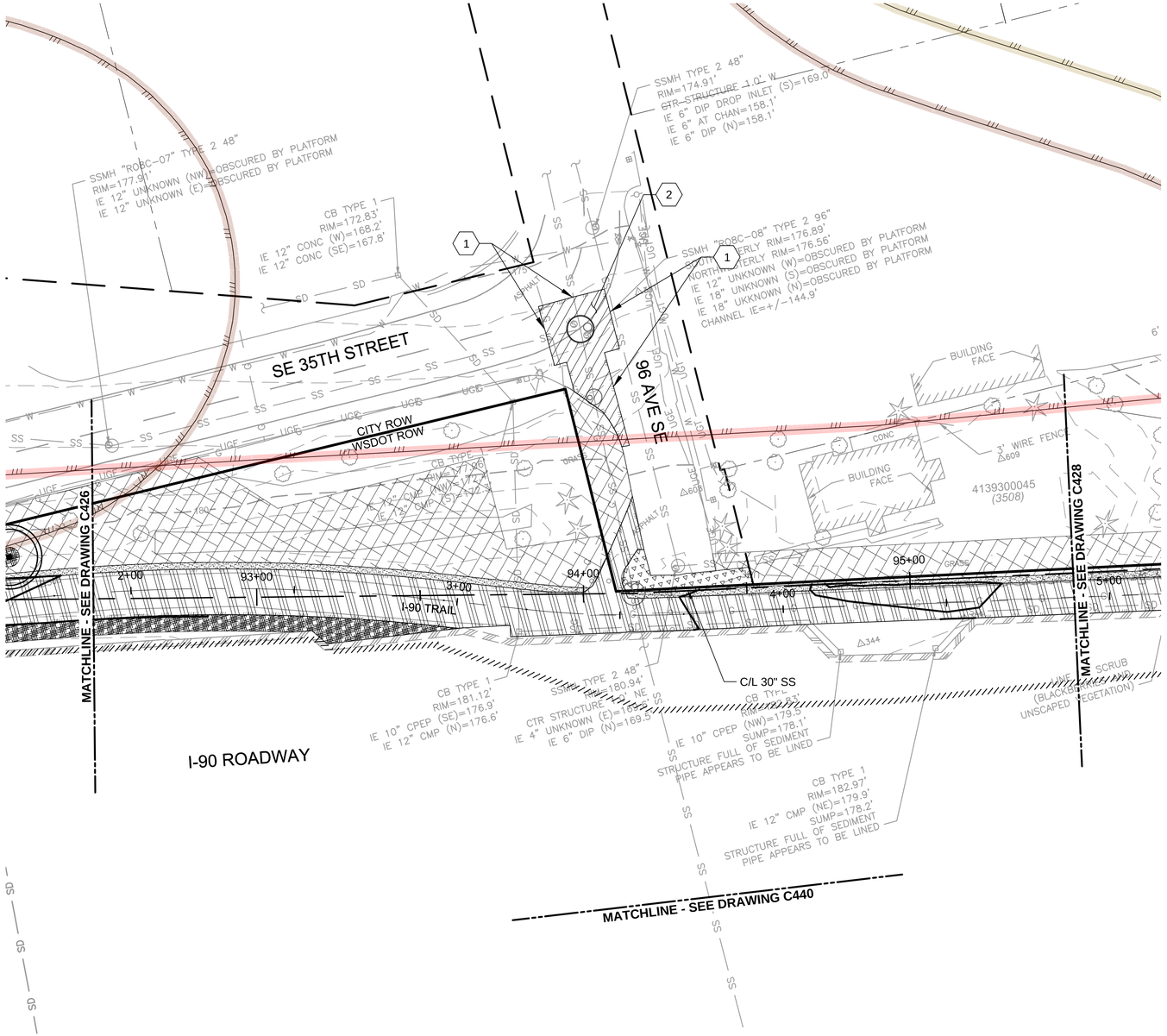
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE RESTORATION STA 89+50 TO STA 92+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C426
SHT NO / TOTAL	/
REV NO:	



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT ON ALL SIDES OF PATCH INDICATED. SEE DETAIL 2/C062.
2. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.

LEGEND:

- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX A
- CRUSHED GRAVEL (TYPE R)
- LAWN SEED
- WOOD CHIP MULCH

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E003306E13-PIPE-C427.dwg
PLOT DATE: 9/26/2019 12:03 PM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

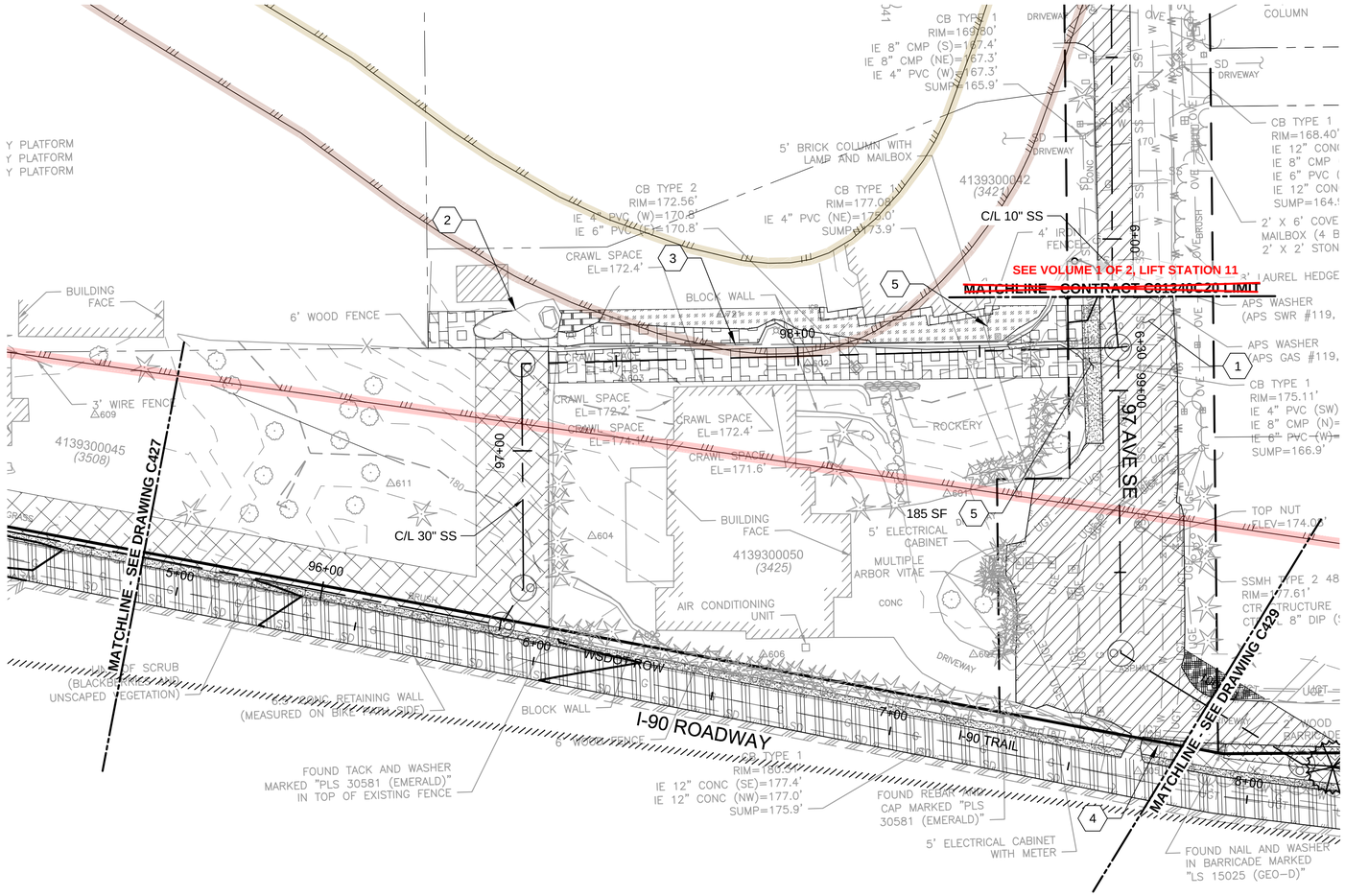
DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE RESTORATION STA 92+50 TO STA 95+50

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C427
SHT NO / TOTAL	/
REV NO:	



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
7. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
8. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
2. RESTORE PRIVATE WATER FEATURE TO PRE-CONSTRUCTION CONDITIONS. COORDINATE WITH PROJECT REPRESENTATIVE TO OBTAIN HOMEOWNER ACCEPTANCE OF RESTORED CONDITION.
3. REPLACE 175 LF OF 6 FT WOOD FENCE TO MATCH EXISTING.
4. REPLACE 2 FT WOOD BARRICADE TO MATCH EXISTING.
5. REINSTALL STORED IRON GATE AND FENCE

LEGEND:

- CRUSHED GRAVEL (TYPE R)
- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 9)
- MIX A
- MIX D
- LAWN SEED
- SOD
- WOOD CHIP MULCH
- TREES, SHRUBS AND GROUNDCOVER. SEE NOTE 8.
- MISC PRIVATE HARDSCAPE

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

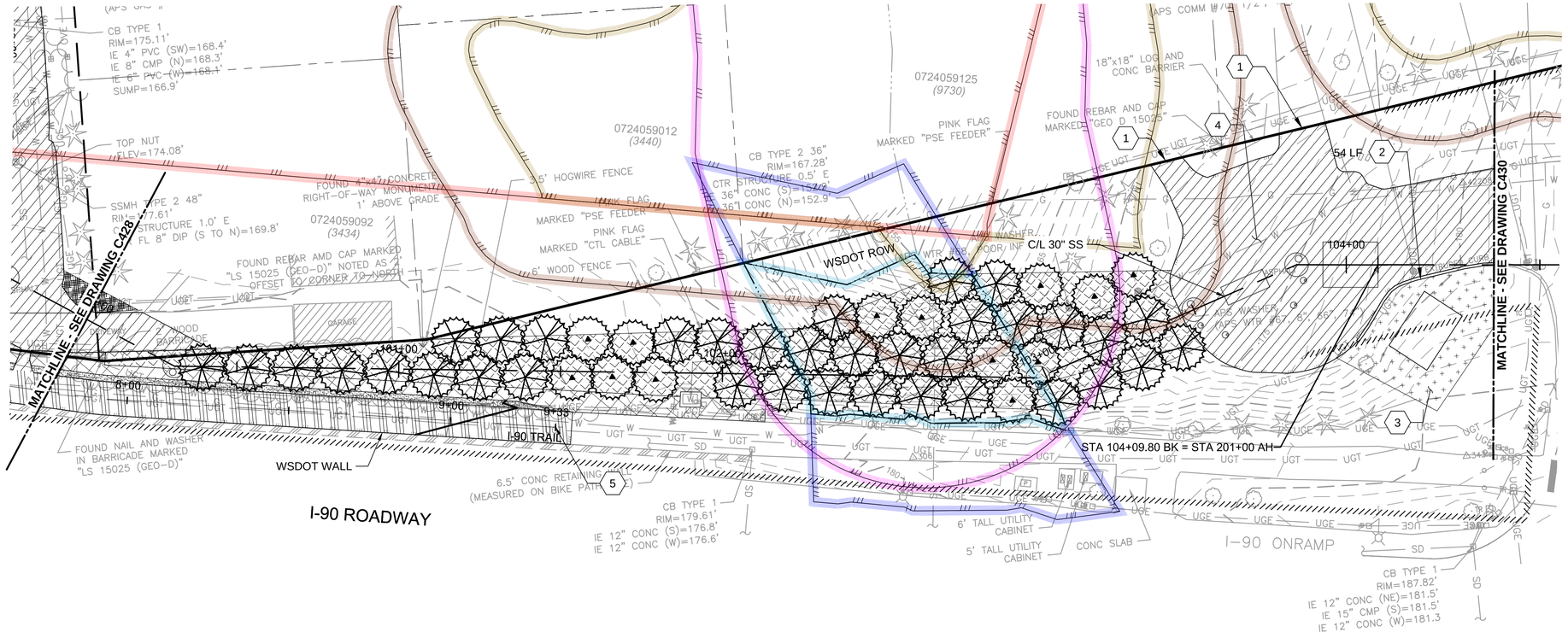
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE RESTORATION STA 95+50 TO STA 100+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C428
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C428.dwg
PLOT DATE: 9/26/2019 12:05 PM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
2. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
3. SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
4. SEE DRAWING C082 FOR PLANTING DETAILS.
5. SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
6. FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C064.
7. RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

(#) KEY NOTES:

1. SAW CUT PAVEMENT AT ROW, SEE DETAIL 1/C062.
2. REPLACE CURB AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
3. PLANT SALAL, CREEPING MAHONIA AND W. SWORDFERN ONLY.
4. SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
5. MATCH EXISTING I-90 TRAIL HMA SURFACE. PROVIDE A BUTT JOINT AT LOCATIONS INDICATED SIMILAR TO DETAIL 2/C062.

LEGEND:

- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT (SEE NOTE 8)
- MIX A
- MIX B
- MIX D
- LAWN SEED
- WOOD CHIP MULCH
- CRUSHED GRAVEL (TYPE R)

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: B. NELSON	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

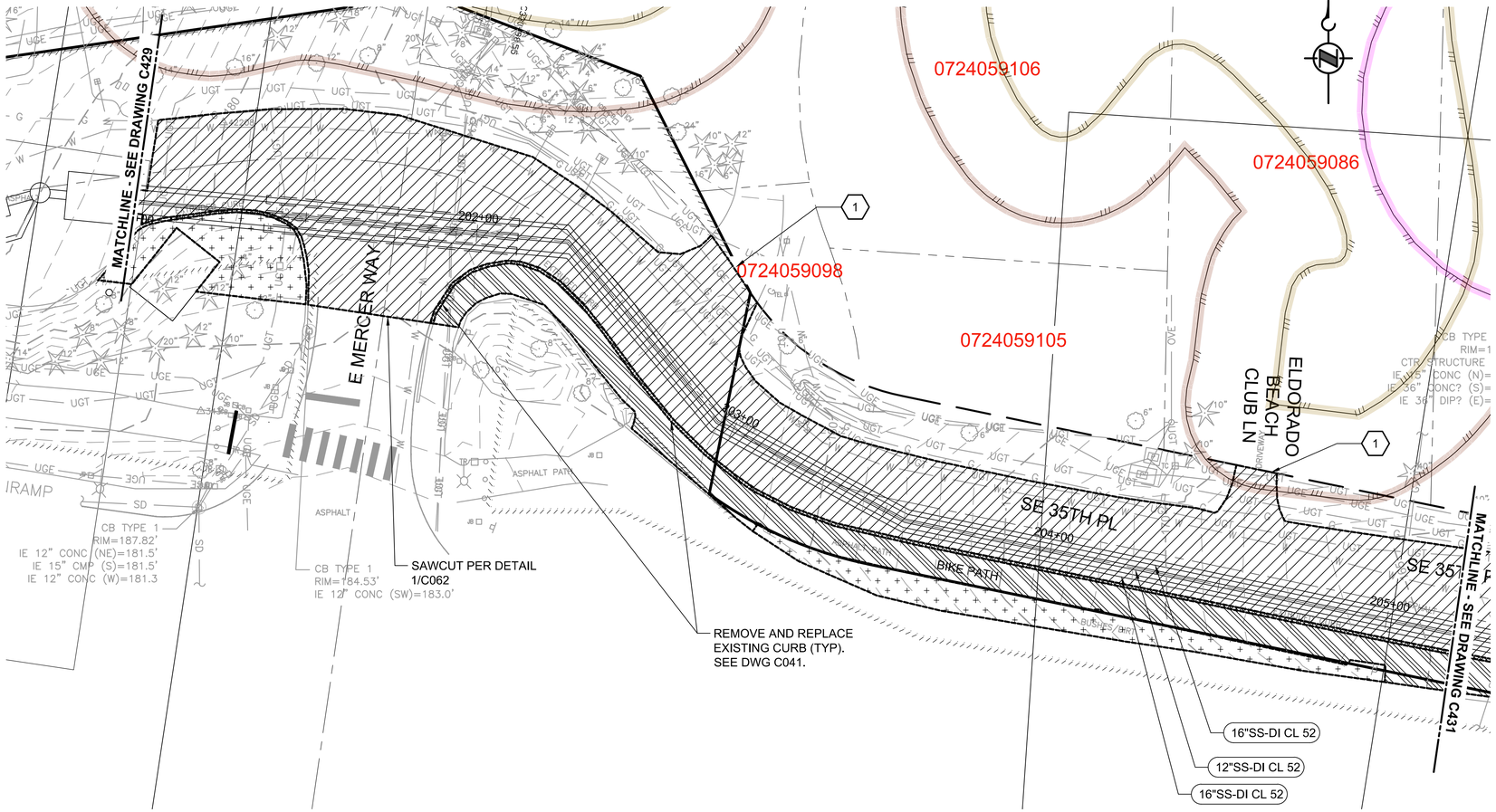
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE RESTORATION STA 100+00 TO STA 201+32

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C429
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3K67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C429.dwg
PLOT DATE: 9/26/2019 12:07 PM
PLOTTED BY:D'Auria, Isaac



NOTES:

1. REPAIR OR REPLACE IN KIND ANY IRRIGATION DAMAGED DURING CONSTRUCTION. CONTRACTOR TO DEMONSTRATE TO PROJECT REPRESENTATIVES THAT SYSTEM HAS BEEN LEFT OPERATIONAL.
2. PROVIDE STRIPING AND PAVEMENT MARKINGS PER OFFSETS AND DOCUMENTATION NOTED ON C200 SERIES DRAWINGS.
3. REINSTALL ANY SIGNS REMOVED AND STORED DURING CONSTRUCTION IN THE ORIGINAL LOCATION AND ORIENTATION.
4. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
5. SEE DWG C081 THROUGH C086 FOR PLANTING DETAILS, PLANT MIX LAYOUTS AND DESCRIPTIONS.
6. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.

(#) KEY NOTES:

1. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.

LEGEND:

- HMA PLANING AND OVERLAY
- WSDOT I-90 TRAIL FULL DEPTH PAVEMENT
- ROAD BUFFER MIX 1

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON SITE RESTORATION STA 201+00 TO STA 205+20

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C430
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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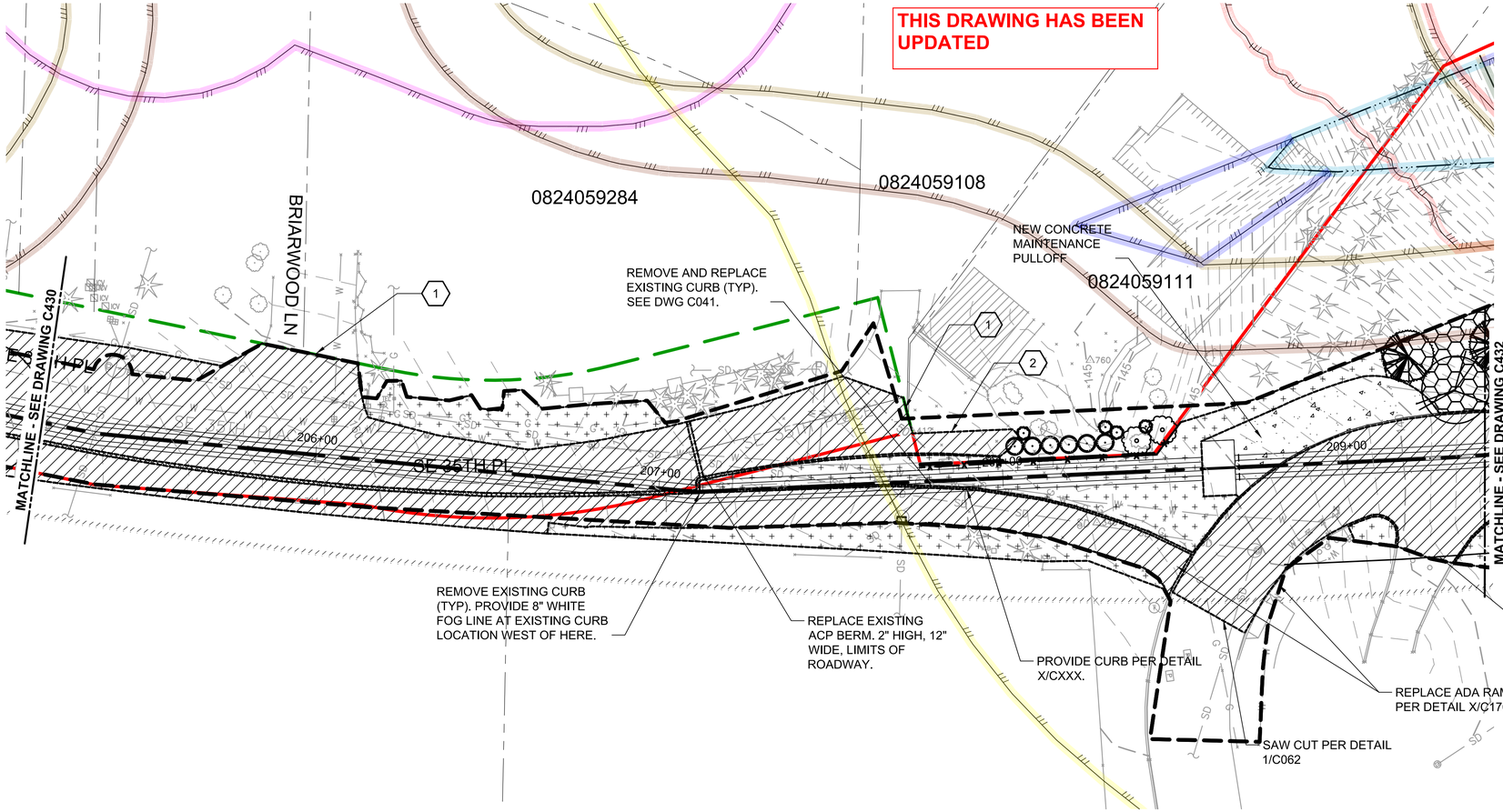
PLOTTED BY: Morris, Richard

THIS DRAWING HAS BEEN UPDATED



NOTES:

1. REPAIR OR REPLACE IN KIND ANY IRRIGATION DAMAGED DURING CONSTRUCTION. CONTRACTOR TO DEMONSTRATE TO PROJECT REPRESENTATIVES THAT SYSTEM HAS BEEN LEFT OPERATIONAL.
2. PROVIDE STRIPING AND PAVEMENT MARKINGS PER OFFSETS AND DOCUMENTATION NOTED ON C200 SERIES DRAWINGS.
3. REINSTALL ANY SIGNS REMOVED AND STORED DURING CONSTRUCTION IN THE ORIGINAL LOCATION AND ORIENTATION.
4. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
5. SEE DWG C081 THROUGH C086 FOR PLANTING DETAILS, PLANT MIX LAYOUTS AND DESCRIPTIONS.
6. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.

(#) KEY NOTES:

1. SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/C062.
2. SAW CUT PAVEMENT AT TEMPORARY CONSTRUCTION EASEMENT BOUNDARY. SEE DETAIL 1/C062.

LEGEND:

- HMA PLANING AND OVERLAY
- CONCRETE MAINTENANCE PULLOFF
- ROAD BUFFER MIX 1
- SHORELINE RESTORATION MIX
- EDDIE'S WHITE WONDER DOGWOOD, 2 ½" B&B
- LEYLAND CYPRESS, 8', 15 GAL.
- WESTERN RED CEDAR, 5 GAL.
- ARBORVITAE 'NIGRA', 5 - 6' B&B
- RHODODENDRON 'VERY BERRY', 15 GAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

STATE OF WASHINGTON · MARY S. MURDOCK · NO. 5584 EXP. 10/10/2020 · LICENSED LANDSCAPE ARCHITECT

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: C.SCHAUMBERG	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

EAST CHANNEL SIPHON SITE RESTORATION STA 205+20 TO STA 209+40

DCN:	TBD
DATE:	03/20/2020
PROJECT FILE NO:	TBD
DRAWING NO:	C431
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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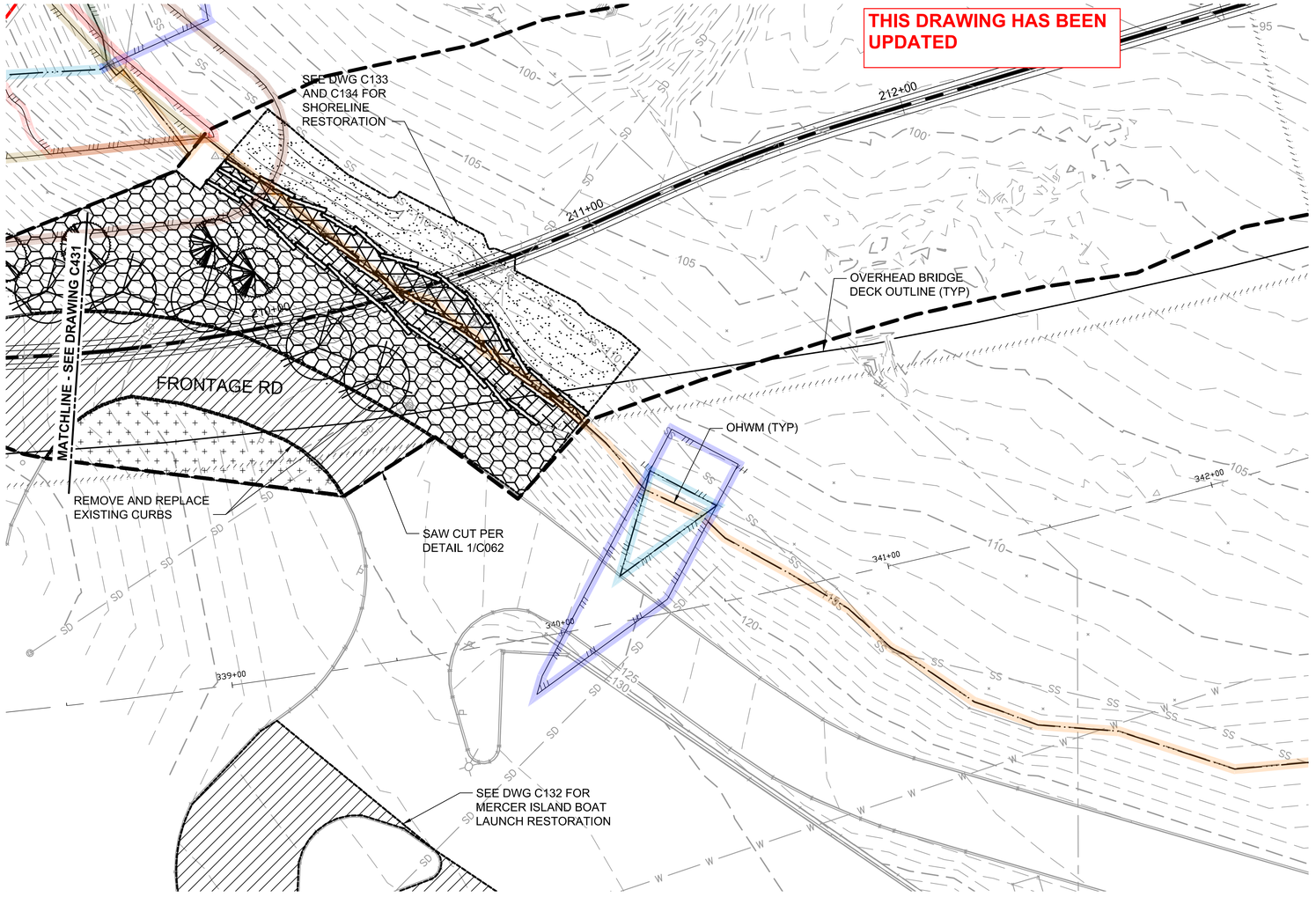
PLOT DATE: 3/20/2020 12:46 PM
PLOTTED BY: Morris, Richard



NOTES:

1. REPAIR OR REPLACE IN KIND ANY IRRIGATION DAMAGED DURING CONSTRUCTION. CONTRACTOR TO DEMONSTRATE TO PROJECT REPRESENTATIVES THAT SYSTEM HAS BEEN LEFT OPERATIONAL.
2. PROVIDE STRIPING AND PAVEMENT MARKINGS PER OFFSETS AND DOCUMENTATION NOTED ON C200 SERIES DRAWINGS.
3. REINSTALL ANY SIGNS REMOVED AND STORED DURING CONSTRUCTION IN THE ORIGINAL LOCATION AND ORIENTATION.
4. FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
5. SEE DWG C081 THROUGH C086 FOR PLANTING DETAILS, PLANT MIX LAYOUTS AND DESCRIPTIONS.
6. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.

LEGEND:

- HMA PLANING AND OVERLAY
- ROAD BUFFER MIX 1
- SHORELINE RESTORATION MIX
- EDDIE'S WHITE WONDER DOGWOOD, 2 ½" B&B
- WESTERN RED CEDAR, 5 GAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- PIPED STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- 25' FROM ORDINARY HIGH WATER MARK
- 50' FROM ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

STATE OF WASHINGTON · AMY J. MURDICK · 340 · EXPIRES 10/2020 · LICENSED LANDSCAPE ARCHITECT

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: C.SCHAUMBERG	CONTRACT NO: C01340C20

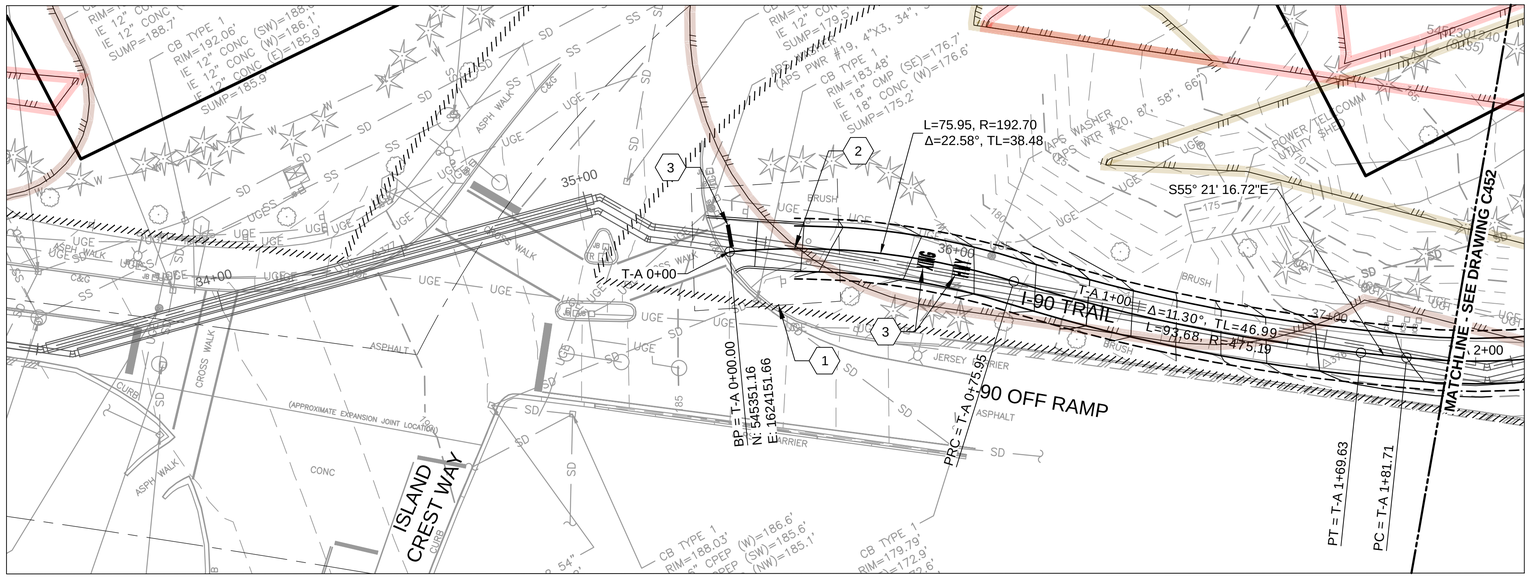
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND
ENATAI INTERCEPTOR UPGRADE

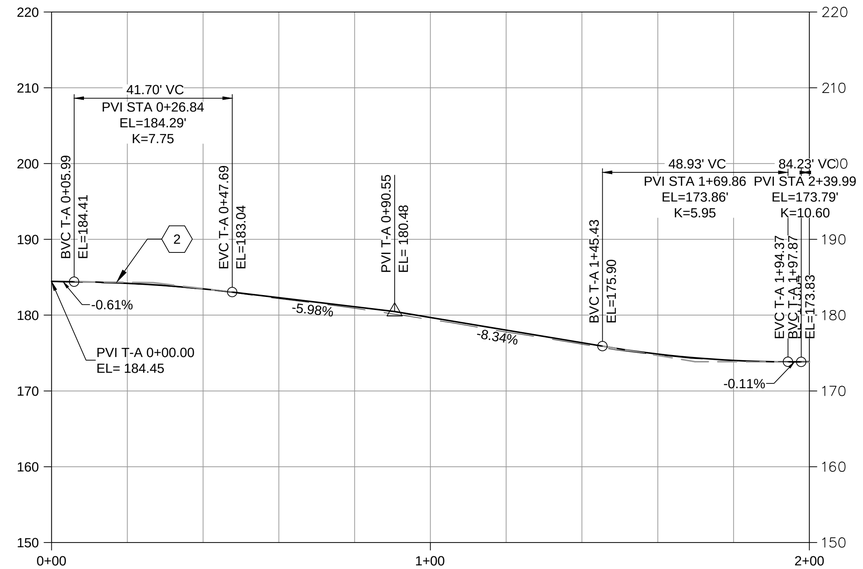
EAST CHANNEL SIPHON SITE RESTORATION STA 209+40 TO STA 212+00

DCN:	TBD
DATE:	03/20/2020
PROJECT FILE NO:	TBD
DRAWING NO:	C432
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: O:\Projects\Seattle\125390\200-125390-180011\CAD\SheetFiles\C432 LANDSCAPE RESTORATION PLAN.dwg
PLOT DATE: 3/20/2020 12:45 PM
PLOTTED BY: Morris, Richard



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. SEE DWG C411 FOR ADA RAMP DETAIL REFERENCE.
2. MATCH TRAIL PROFILE TO ADA RAMP DESIGN GRADE. SEE 1/C173 FOR STAKE COORDINATES AND ELEVATIONS.
3. PROVIDE PAINTED TRAFFIC LETTERS AND STOP LINE PAVEMENT MARKINGS ACCORDING TO WSDOT STANDARD DETAIL M-9.60-00.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

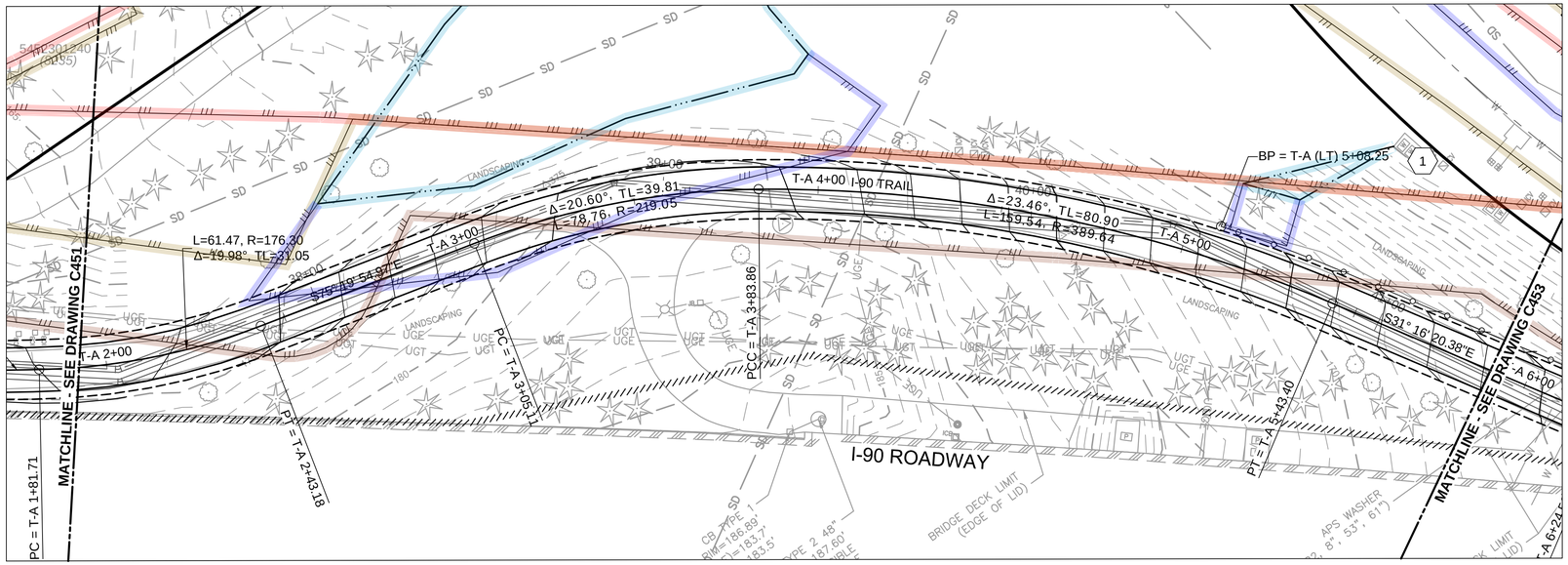
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

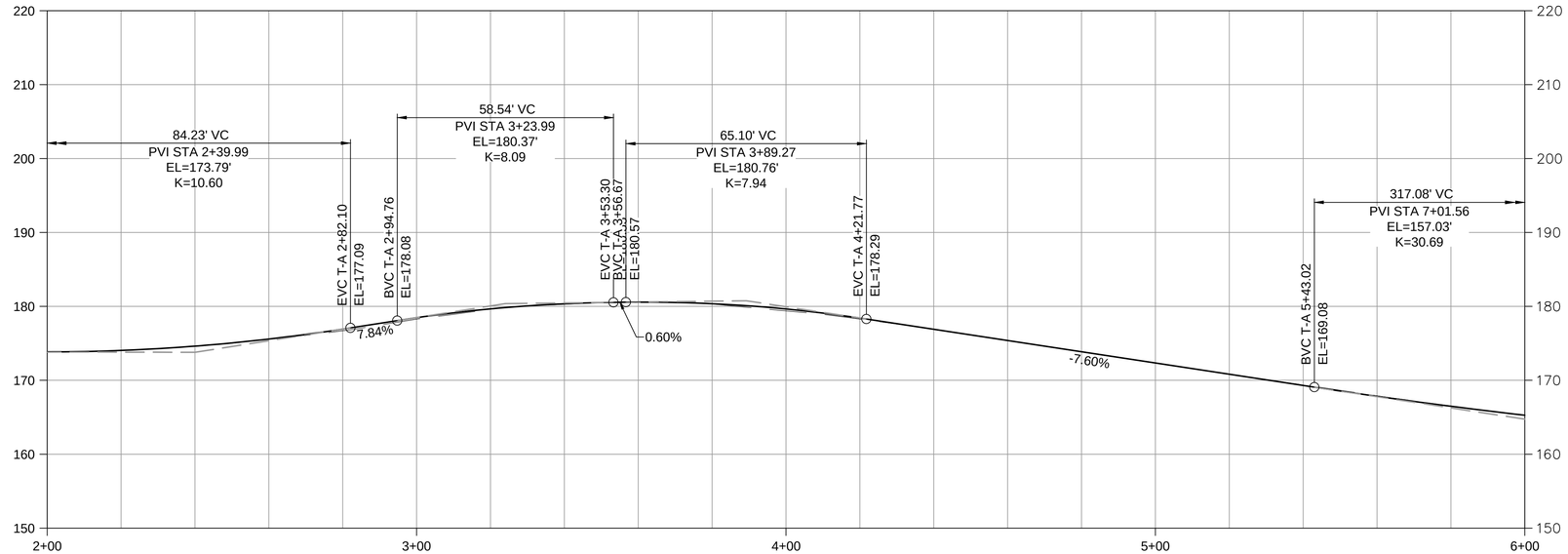
I-90 TRAIL RESTORATION SEGMENT A STA 0+00 TO STA 2+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C451
SHT NO / TOTAL /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C451.dwg
PLOT DATE: 9/26/2019 12:09 PM
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. INSTALL TWO-RAIL FENCE PER DETAIL 1/C066. FLAIR END AWAY FROM TRAIL ACCORDING TO DETAIL 3/C066.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

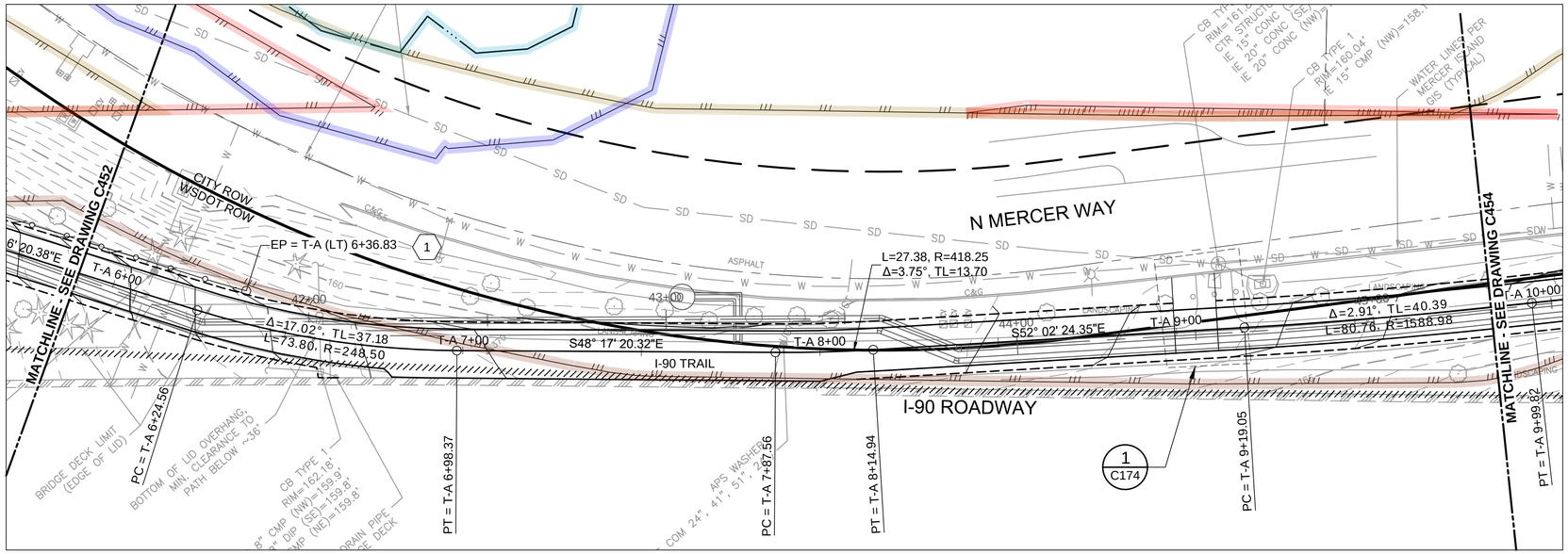
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT A STA 2+00 TO STA 6+00

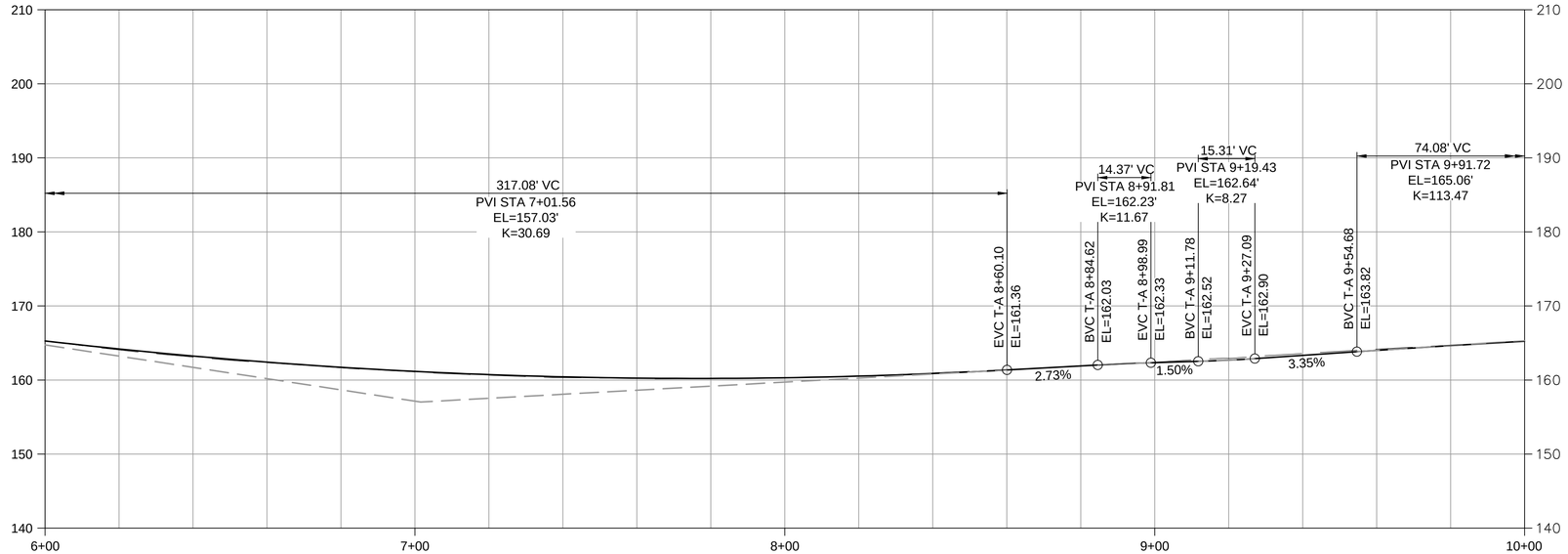
DCN: TBD	
DATE:	
PROJECT FILE NO: TBD	
DRAWING NO: C452	
SHT NO / TOTAL: /	REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C452.dwg
PLOT DATE: 9/26/2019 12:12 PM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. INSTALL TWO-RAIL FENCE PER DETAIL 1/C066. FLAIR END AWAY FROM TRAIL ACCORDING TO DETAIL 3/C066.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

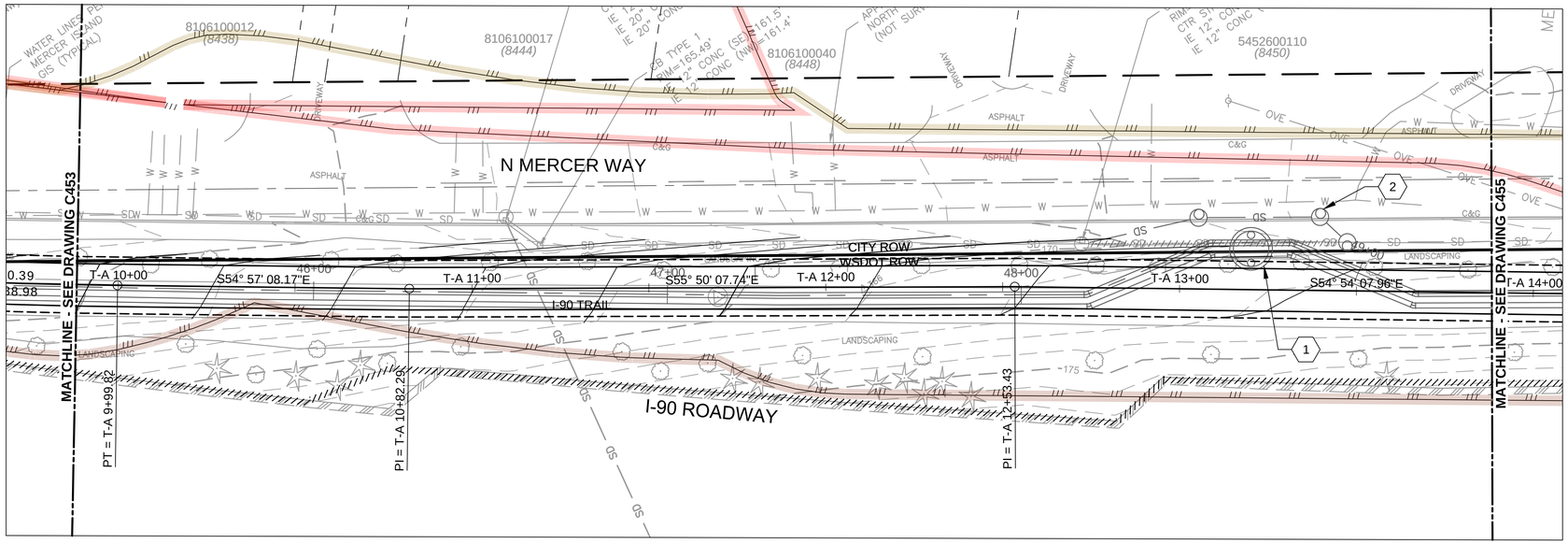
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT A STA 6+00 TO STA 10+00

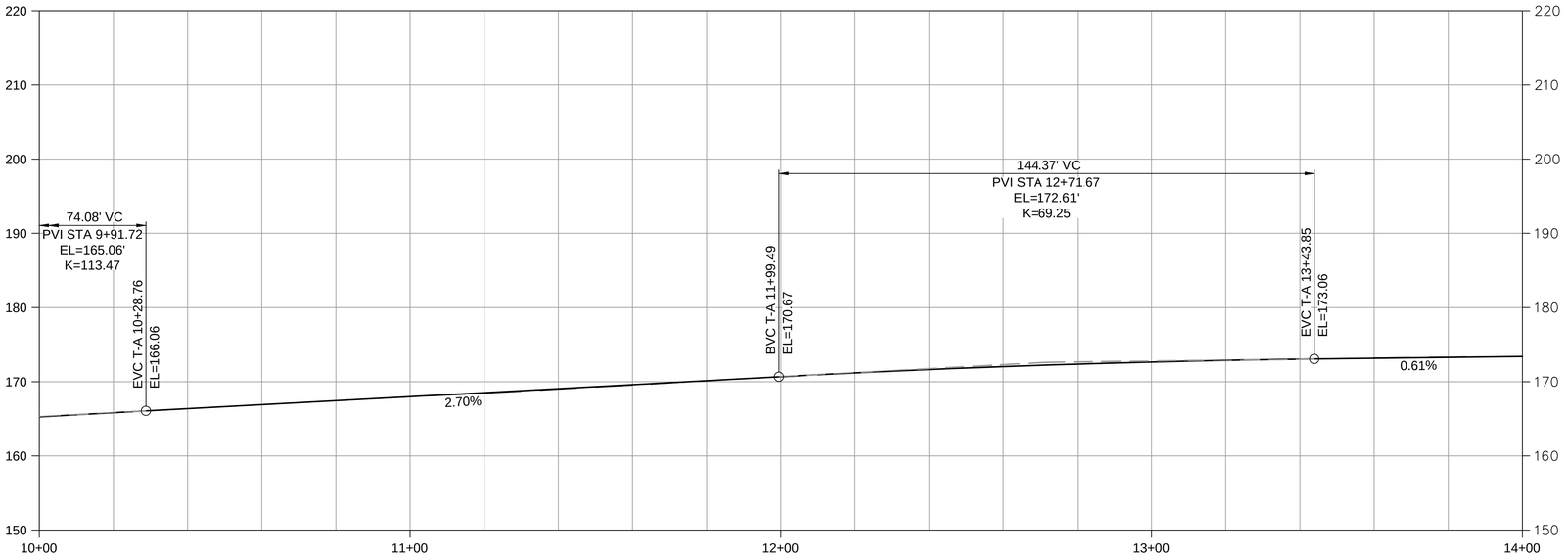
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C453
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C453.dwg
PLOT DATE: 9/26/2019 12:14 PM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. FOR SEWER PIPE AND APPURTENANCES, SEE PLAN AND PROFILE DRAWINGS.
2. FOR UTILITY RELOCATION, SEE PLAN AND PROFILE DRAWINGS.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

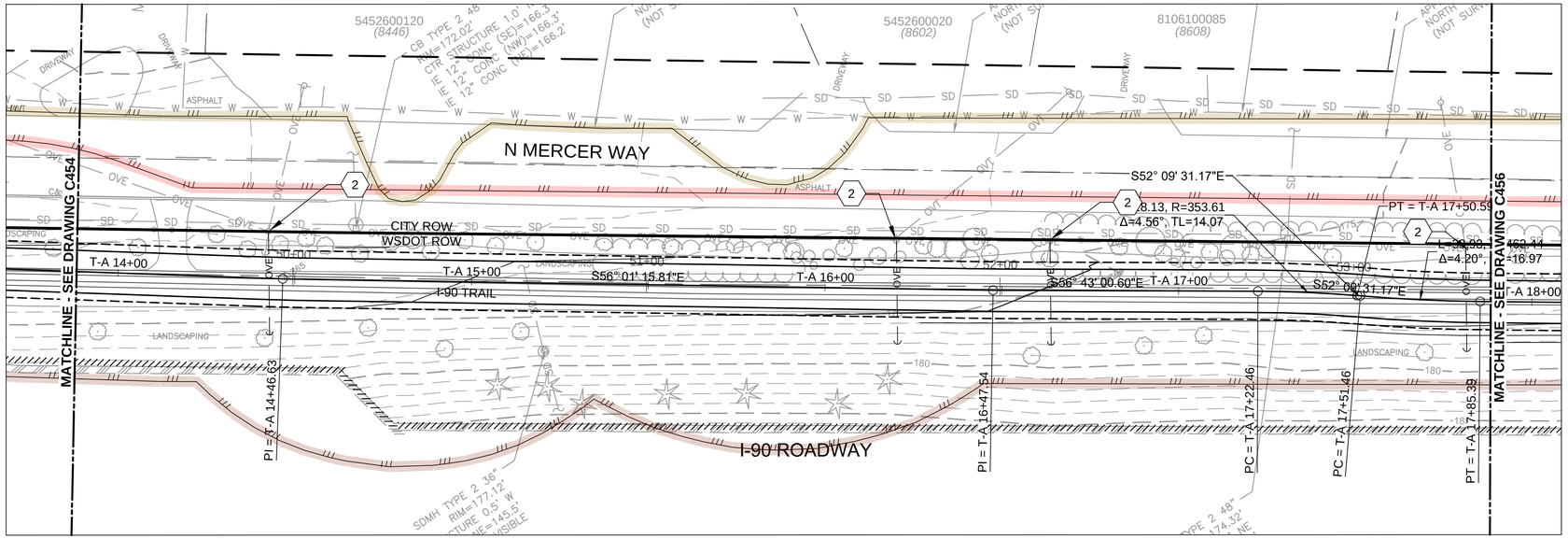
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT A STA 10+00 TO STA 14+00

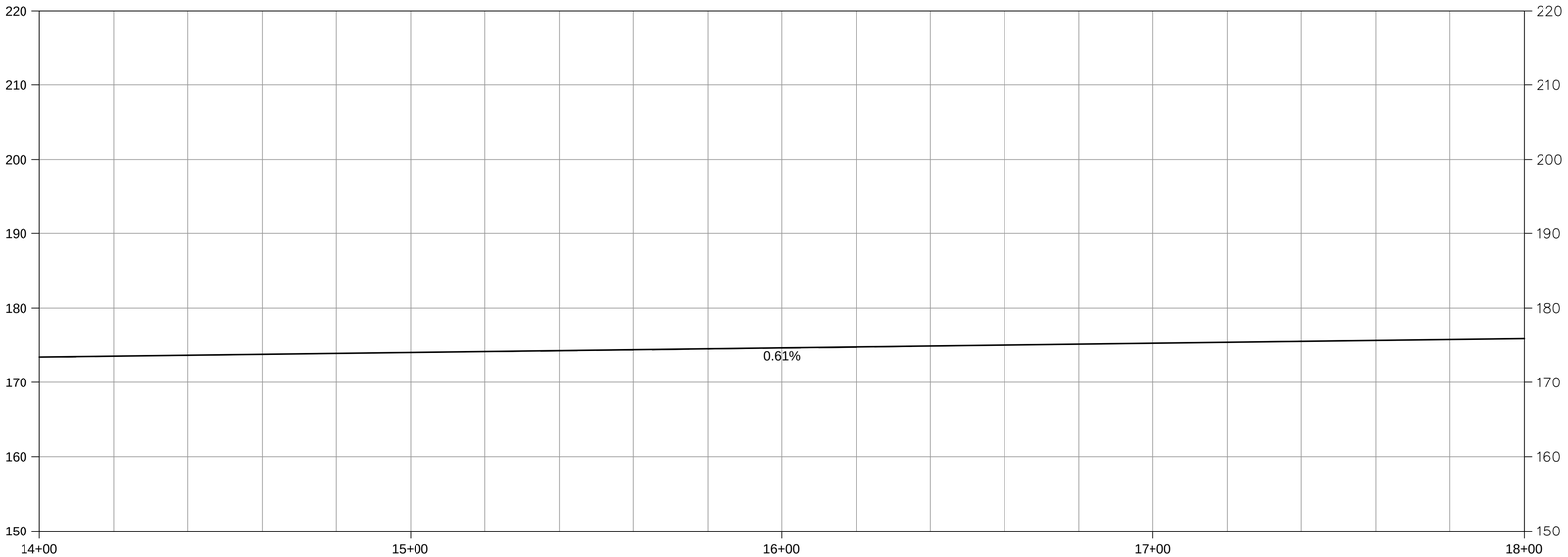
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C454
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C454.dwg
PLOT DATE: 9/26/2019 12:16 PM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. TYPE A PERPENDICULAR CURB RAMP WITH 12' WIDTH PER WSDOT STANDARD DETAIL F-40.15-03. SEE DWG C044. CURB RAMP CALLOUT LOCATION IS GIVEN AT THE BACK OF CURB, ALONG CURB RAMP CENTERLINE.
2. PSE OVE POLES AND TIE-BACKS TO BE RELOCATED ACROSS TRAIL BY OTHERS PRIOR TO CONSTRUCTION.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.
2. COORDINATION WITH PSE ONGOING TO DEVELOP OVE POLE AND TIE-BACK RELOCATION. RELOCATION TO BE CONFIRMED AND EXPOUNDED POST 90%.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

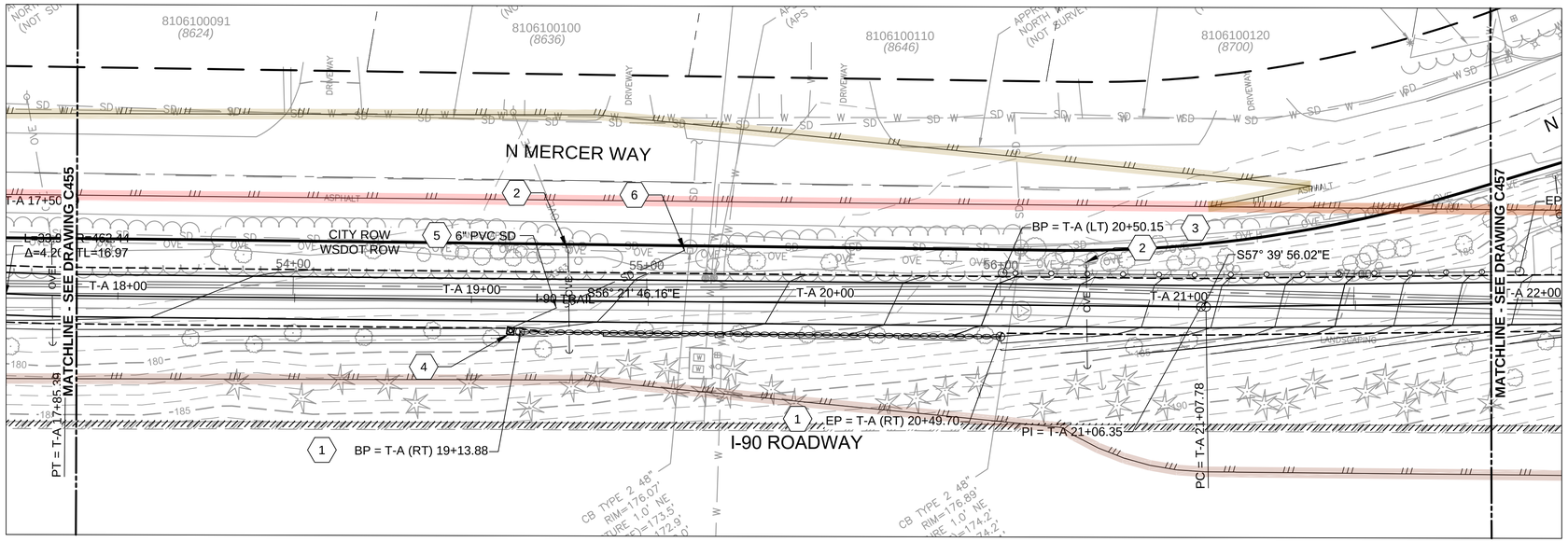
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT A STA 14+00 TO STA 18+00

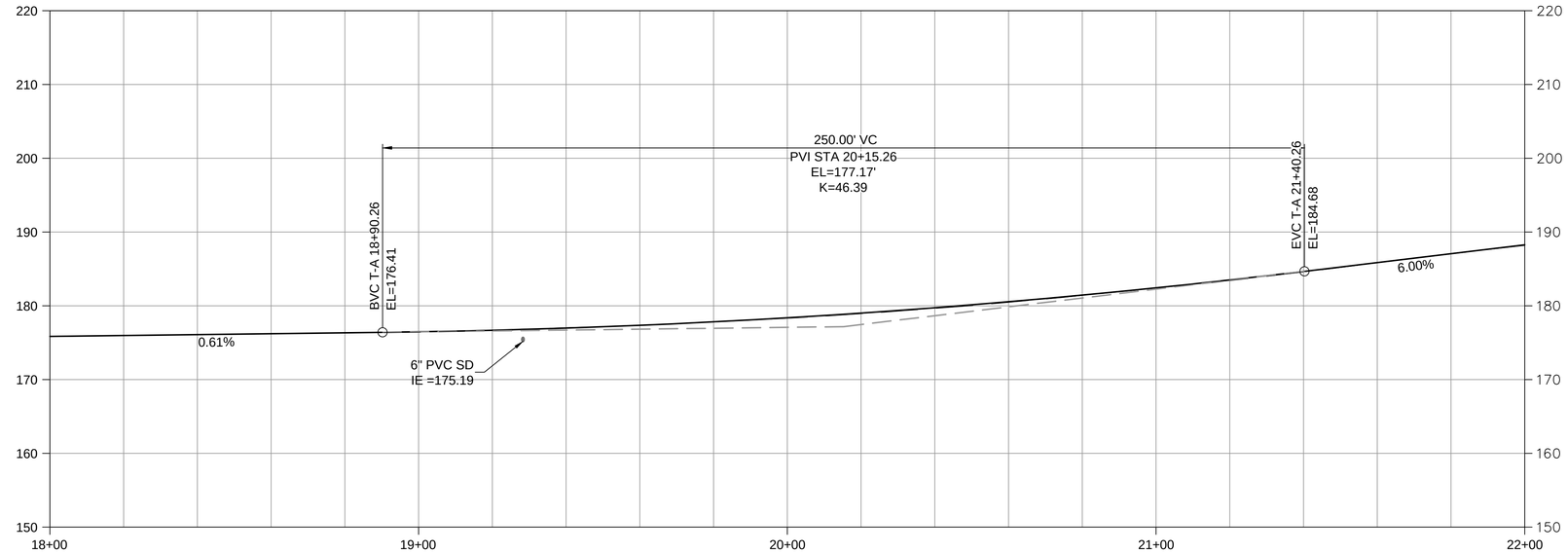
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C455
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C455.dwg
PLOT DATE: 9/26/2019 12:18 PM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

(#) KEY NOTES:

1. INSTALL SEGMENTAL BLOCK WALL PER DETAIL 4/C062.
2. PSE OVE POLES AND TIE-BACKS TO BE RELOCATED ACROSS TRAIL BY OTHERS PRIOR TO CONSTRUCTION.
3. INSTALL TWO-RAIL FENCE PER DETAIL 1/C066. FLAIR ENDS AWAY FROM TRAIL ACCORDING TO DETAIL 3/C066.
4. 6" UNDERDRAIN CLEANOUT PER DETAIL 1/C065. IE = 175.57
5. 6" PVC SD OUTLET AT 2% GRADE.
6. CONNECT INTO EXIST CITY OF MERCER ISLAND SD MH TYPE 1. SET IE TO MATCH DS PIPE CROWN AT APPROX 174.50'.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.
2. COORDINATION WITH PSE ONGOING TO DEVELOP OVE POLE AND TIE-BACK RELOCATION. RELOCATION TO BE CONFIRMED AND EXPOUNDED POST 90%.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT A STA 18+00 TO STA 22+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C456
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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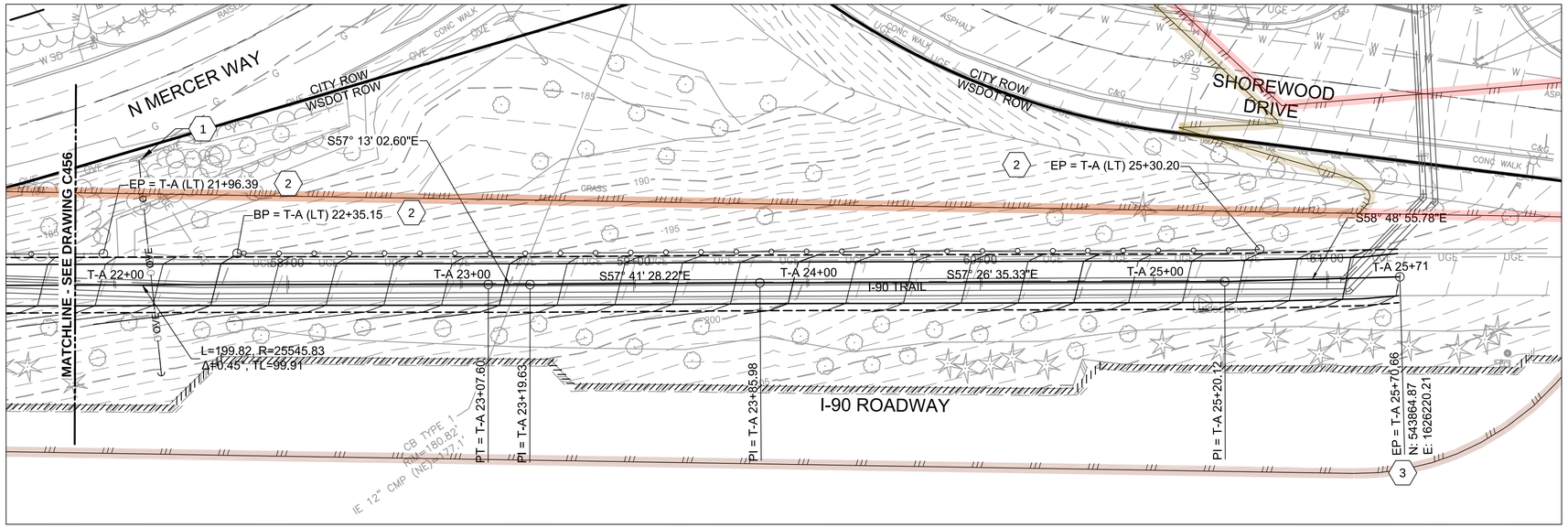
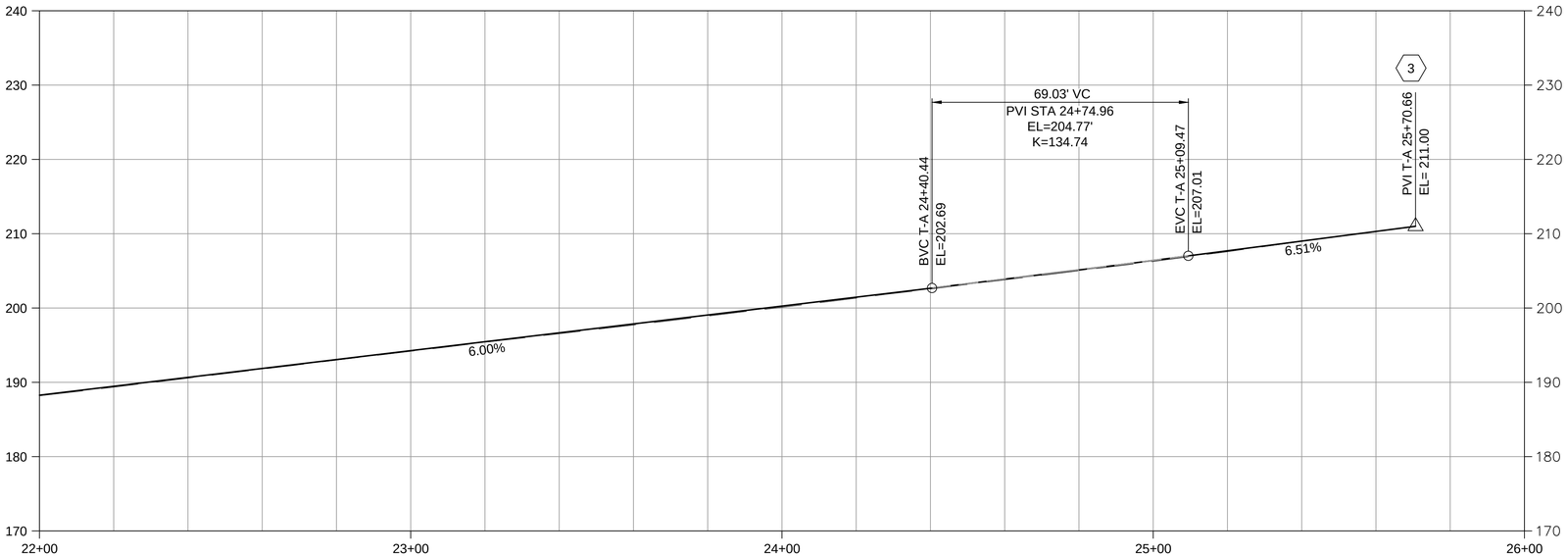
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. PSE OVE POLES AND TIE-BACKS TO BE RELOCATED ACROSS TRAIL BY OTHERS PRIOR TO CONSTRUCTION.
2. INSTALL TWO-RAIL FENCE PER DETAIL 1/C066. FLAIR ENDS AWAY FROM TRAIL ACCORDING TO DETAIL 3/C066.
3. MATCH EXIST TRAIL ELEVATION AND TRANSITION TO EXIST TRAIL WIDTH OVER 10' SPAN.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.
2. COORDINATION WITH PSE ONGOING TO DEVELOP OVE POLE AND TIE-BACK RELOCATION. RELOCATION TO BE CONFIRMED AND EXPOUNDED POST 90%.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

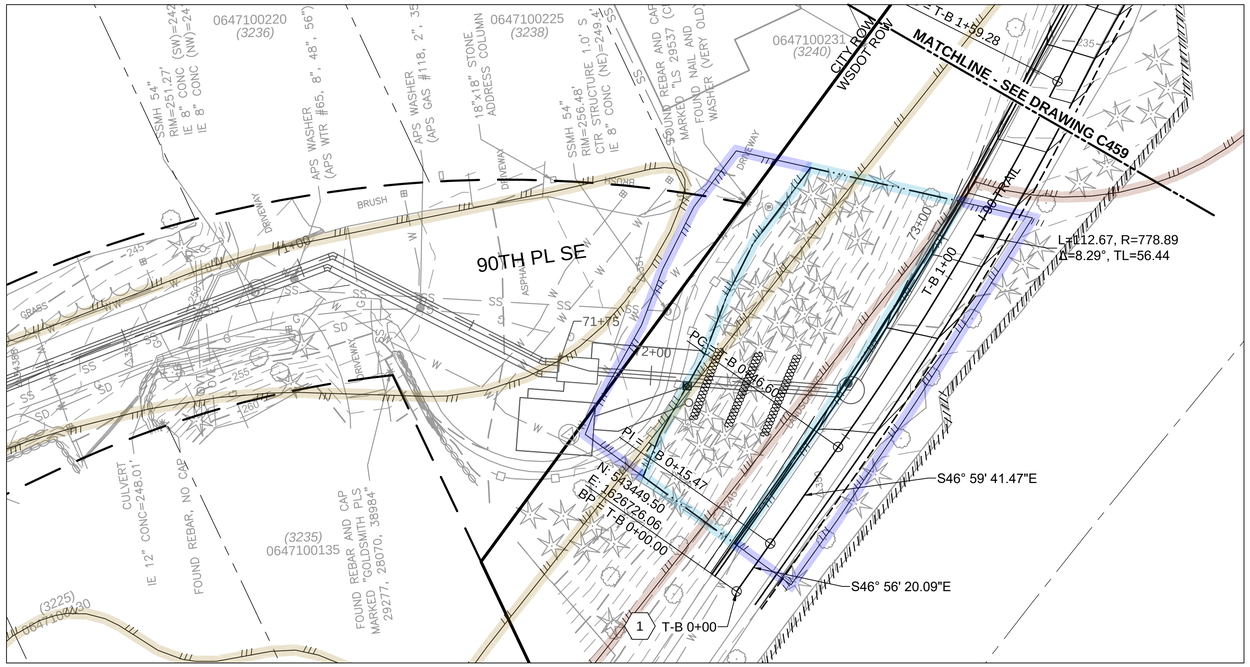
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

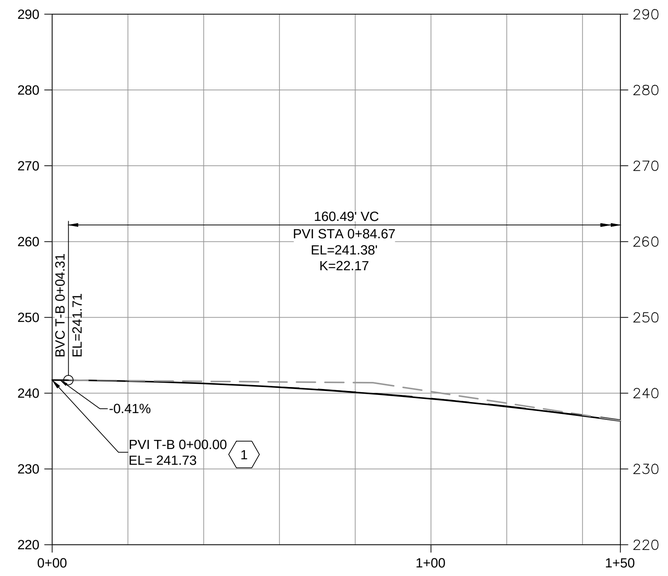
I-90 TRAIL RESTORATION SEGMENT A STA 22+00 TO STA 25+71

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C457
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\Conduse Permit Drawings\Conveyance\E00306E13-PIPE-C457.dwg
PLOT DATE: 9/26/2019 12:22 PM
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. MATCH EXIST TRAIL ELEVATION AND TRANSITION TO EXIST TRAIL WIDTH OVER 10' LENGTH.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

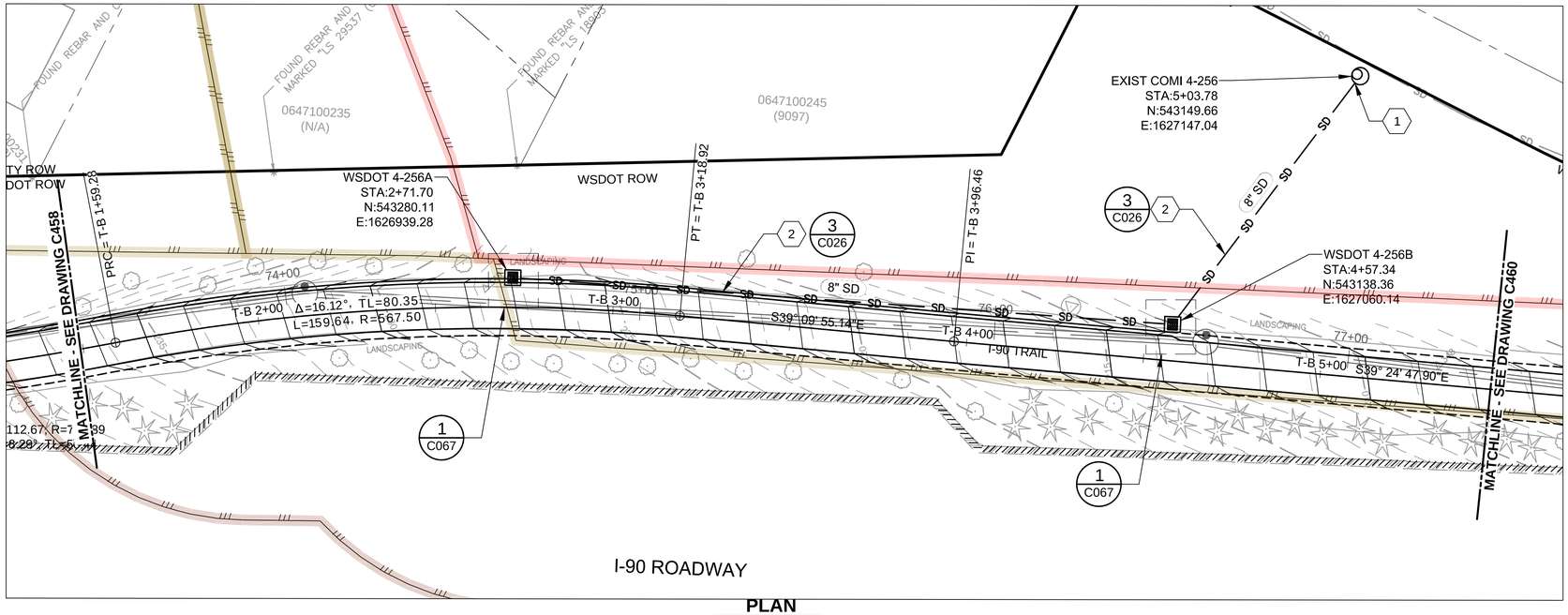
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT B STA 0+00 TO STA 1+50

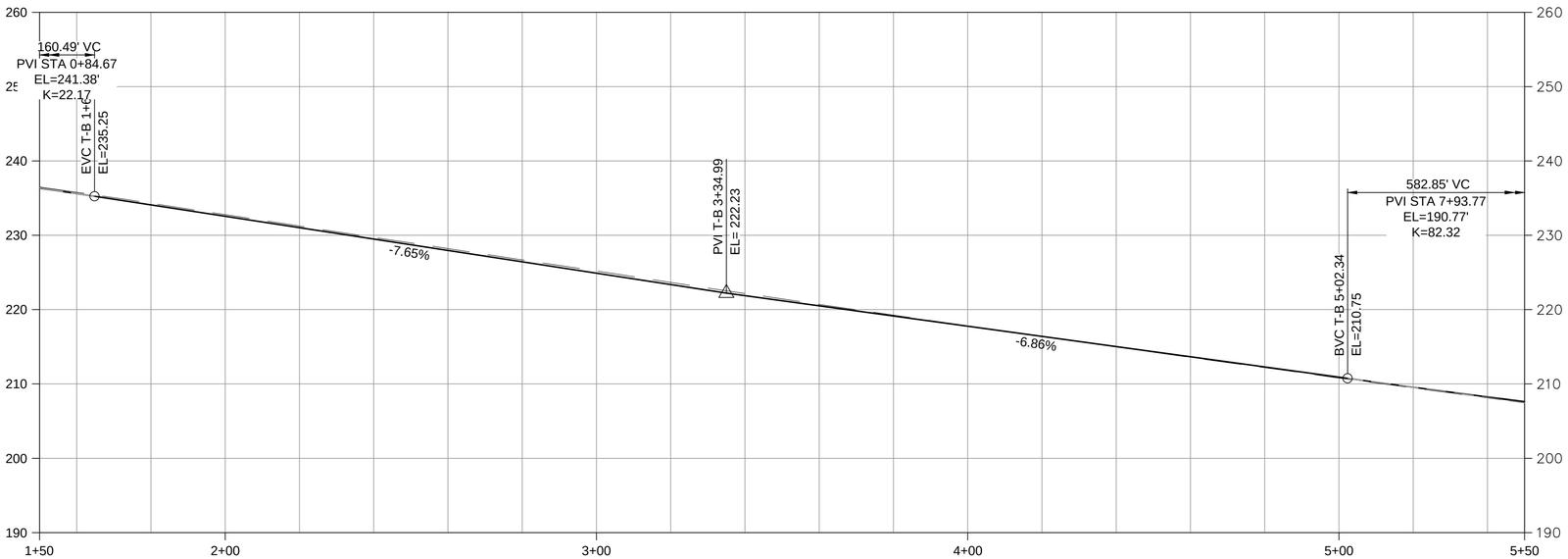
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C458
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3K67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C458.dwg
PLOT DATE: 9/26/2019 12:24 PM
PLOTTED BY:D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. CONNECT TO EXIST SDMH AND RECHANNEL BENCHING TO ACCOMMODATE NEW INLET PIPE.
2. SEE DWG C704 FOR PROFILE OF NEW SD SYSTEM.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT B STA 1+50 TO STA 5+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C459
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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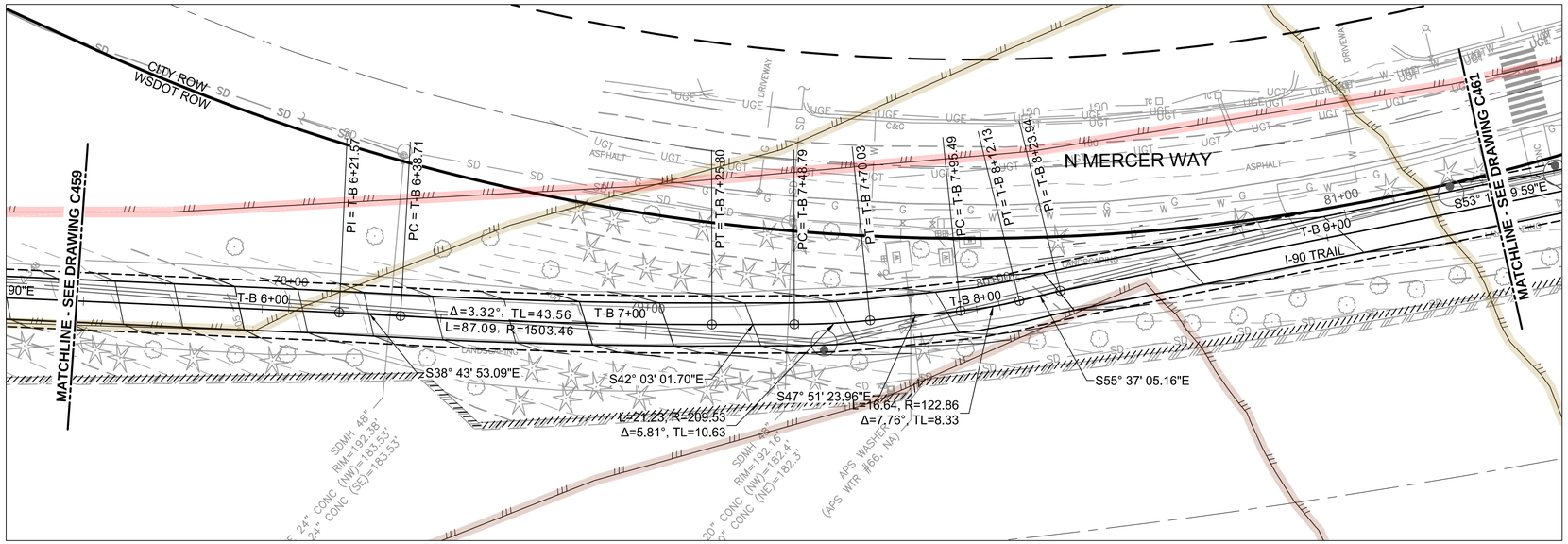
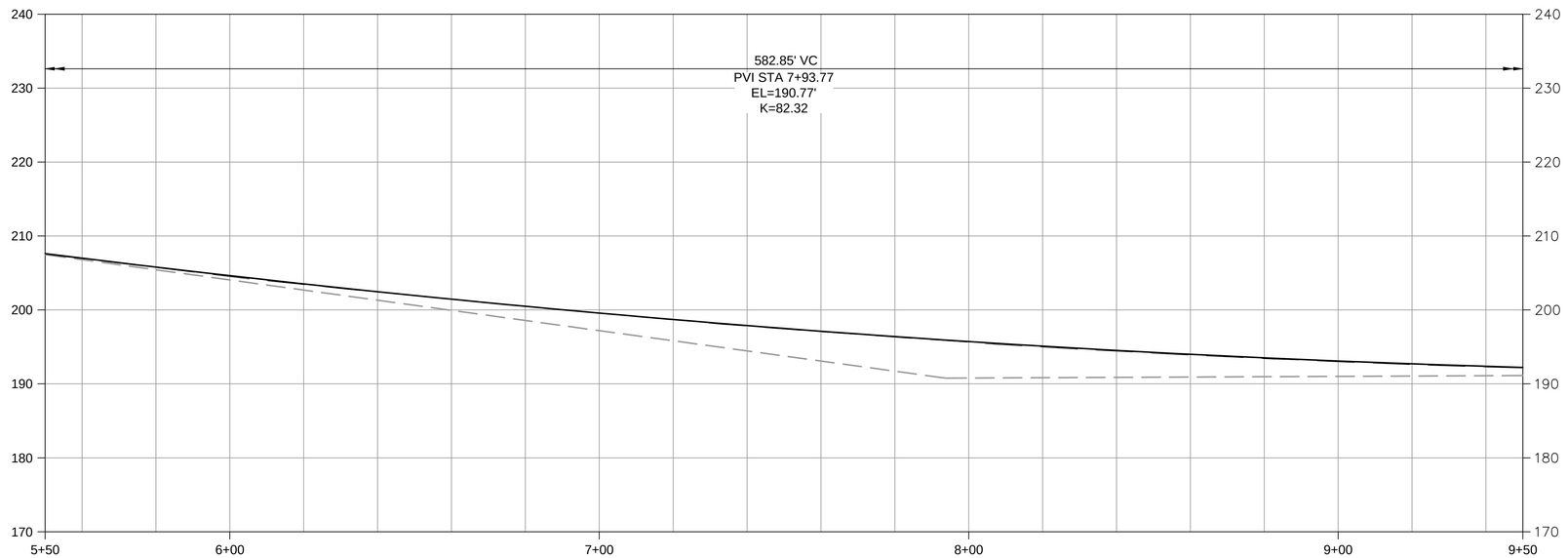
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

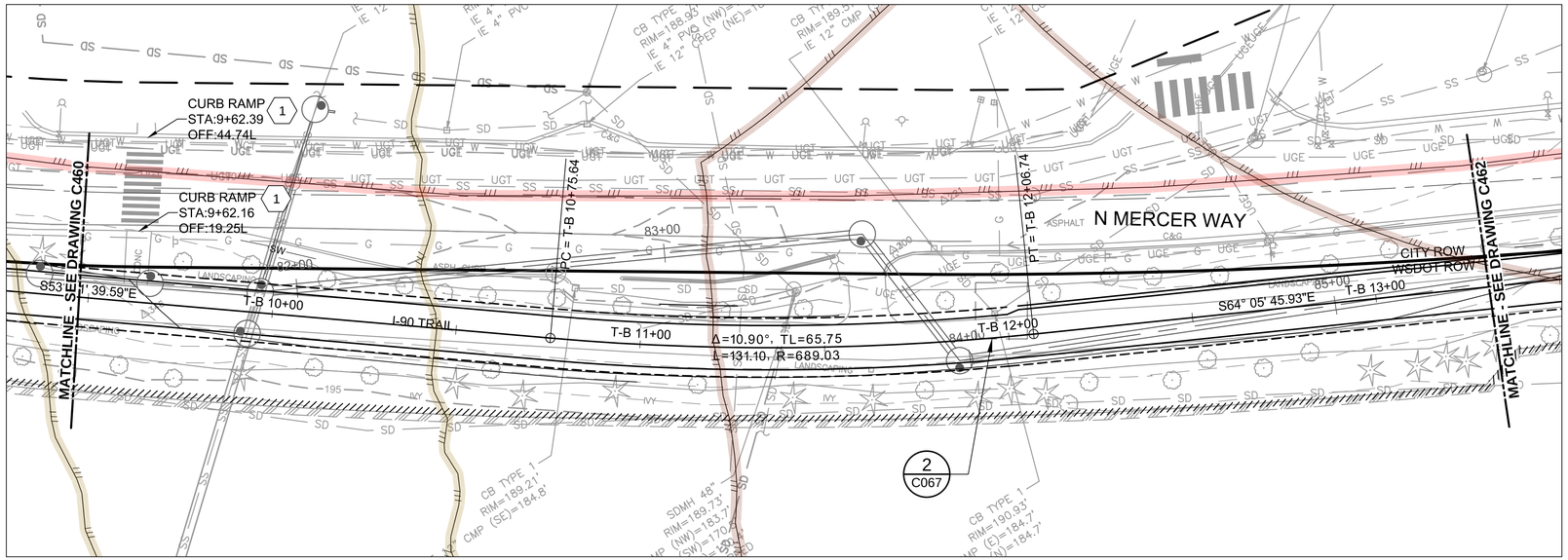
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT B STA 5+50 TO STA 9+50

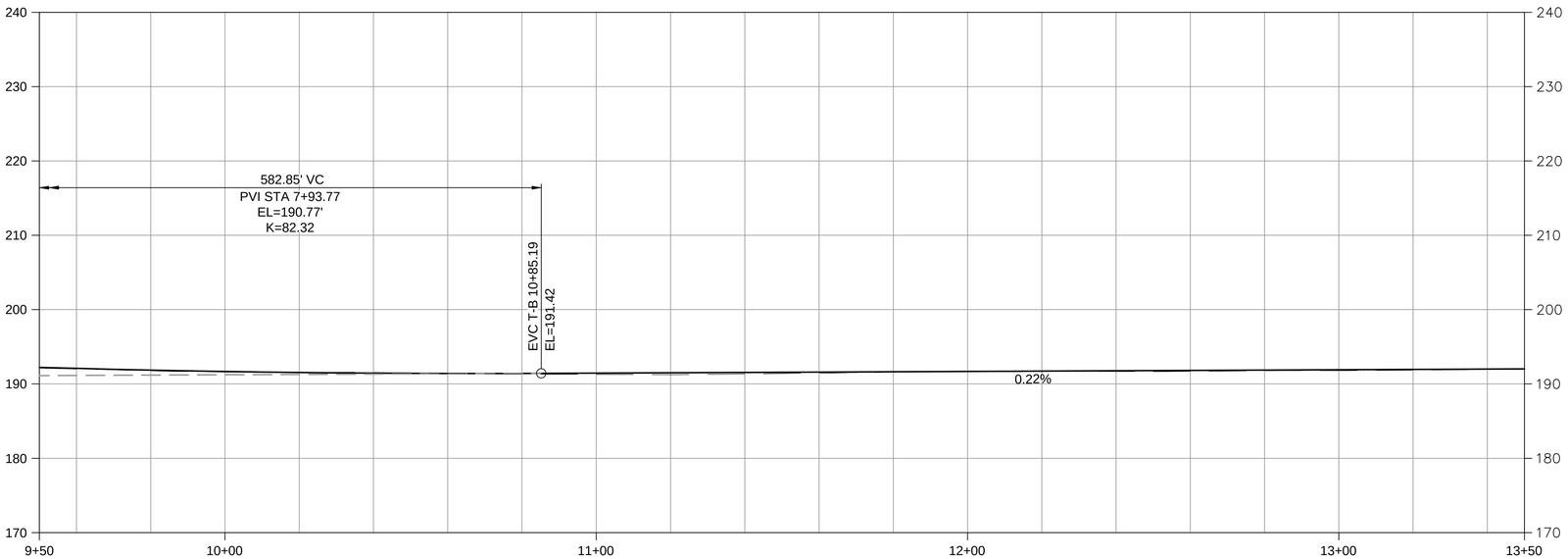
DCN: TBD	
DATE:	
PROJECT FILE NO: TBD	
DRAWING NO: C460	
SHT NO / TOTAL: /	REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C460.dwg
PLOT DATE: 9/26/2019 12:29 PM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

(#) KEY NOTES:

1. TYPE A PERPENDICULAR CURB RAMP WITH 12' WIDTH PER WSDOT STANDARD DETAIL F-40.15-03. SEE DWG C044. CURB RAMP CALLOUT LOCATION IS GIVEN AT THE BACK OF CURB ALONG CURB RAMP CENTERLINE.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT B STA 9+50 TO STA 13+50

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C461
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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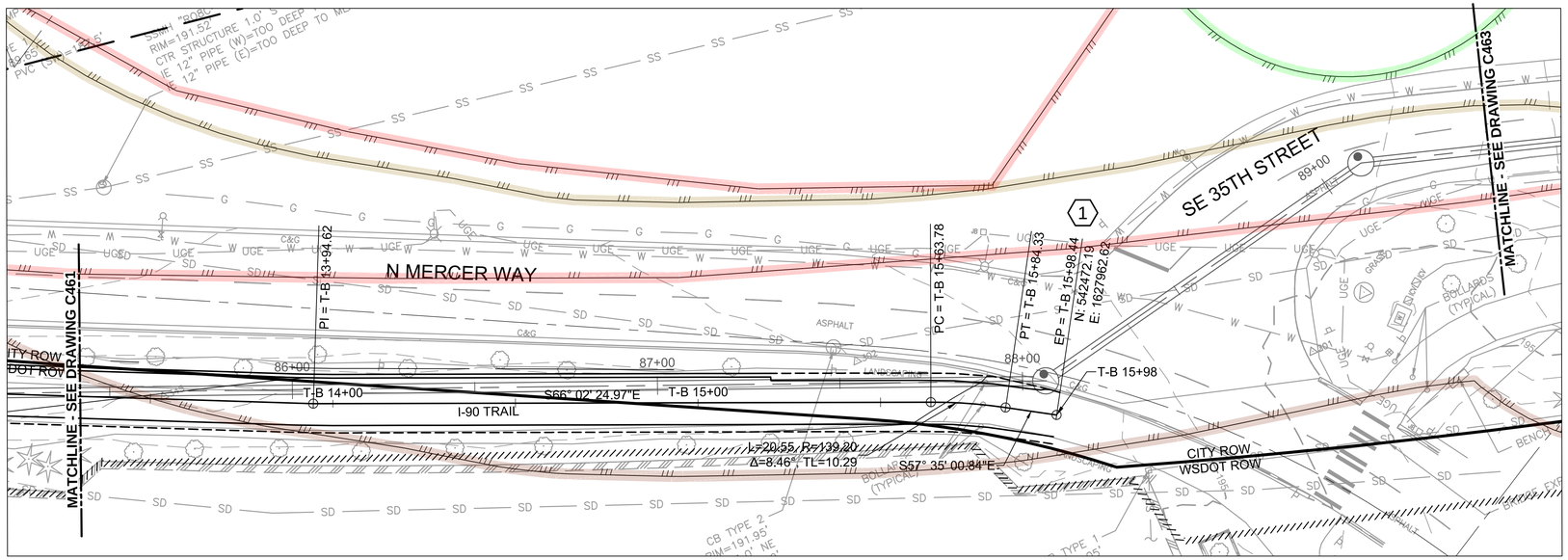
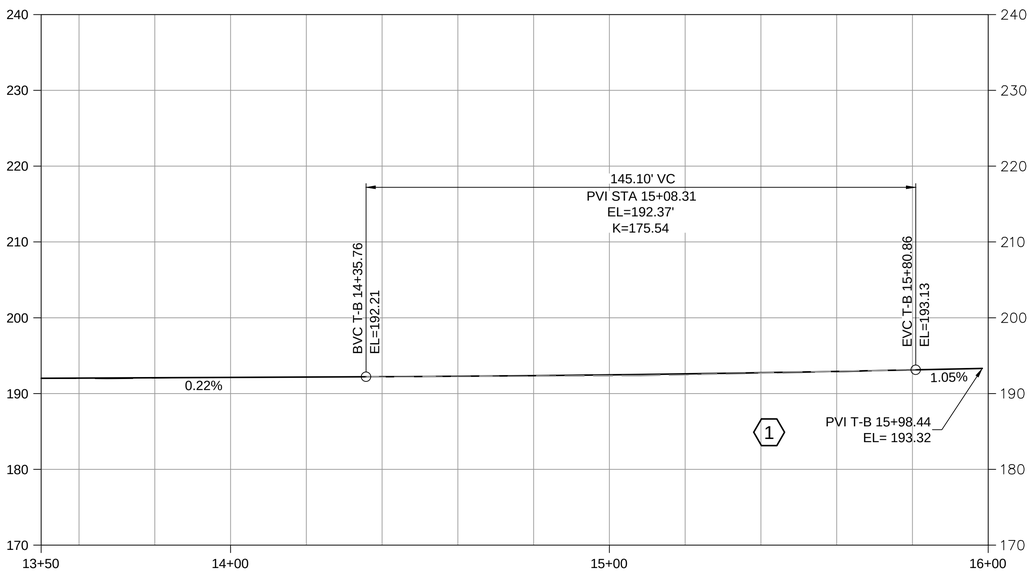
PLOT DATE: 9/26/2019 12:31 PM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. MATCH EXIST TRAIL ELEVATION AND TRANSITION TO EXIST TRAIL WIDTH OVER 10' LENGTH.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

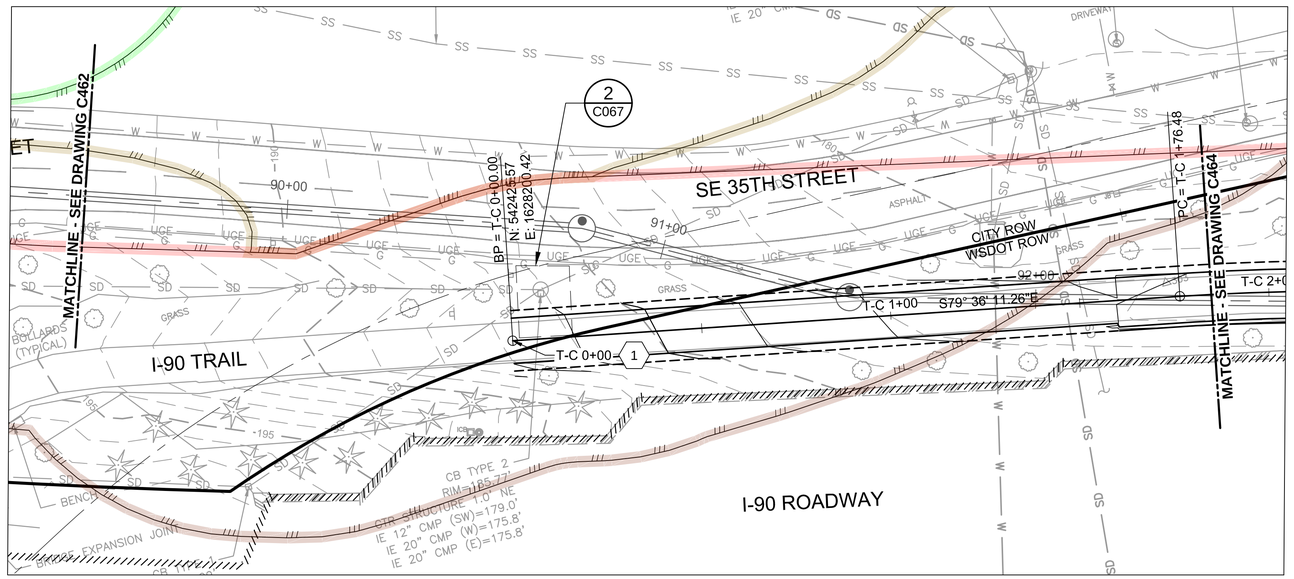
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT B
STA 13+50 TO STA 15+98

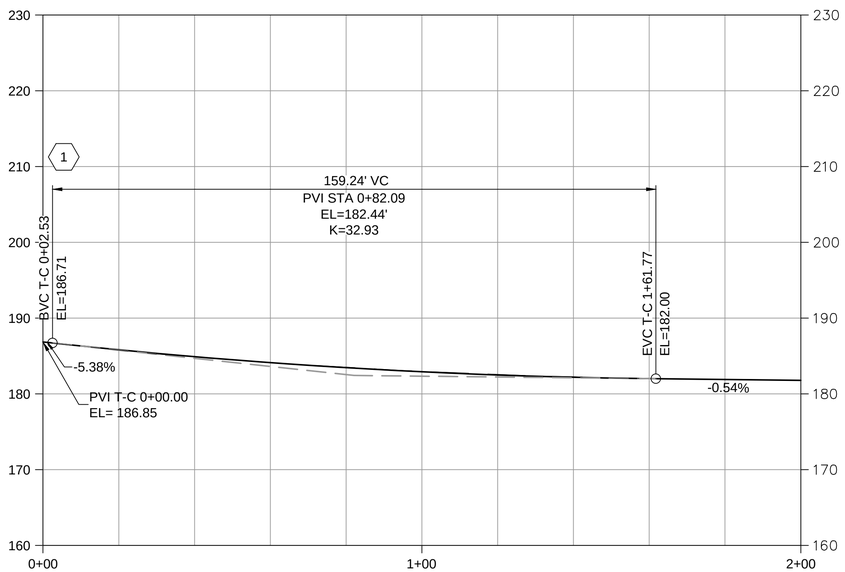
DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C462
SHT NO / TOTAL: /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\Landuse Permit Drawings\Conveyance\E00306E13-PIPE-C462.dwg
PLOT DATE: 9/26/2019 12:33 PM
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. MATCH EXIST TRAIL ELEVATION AND TRANSITION TO EXIST TRAIL WIDTH OVER 10' LENGTH.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT C STA 0+00 TO STA 2+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C463
SHT NO / TOTAL: /
REV NO:

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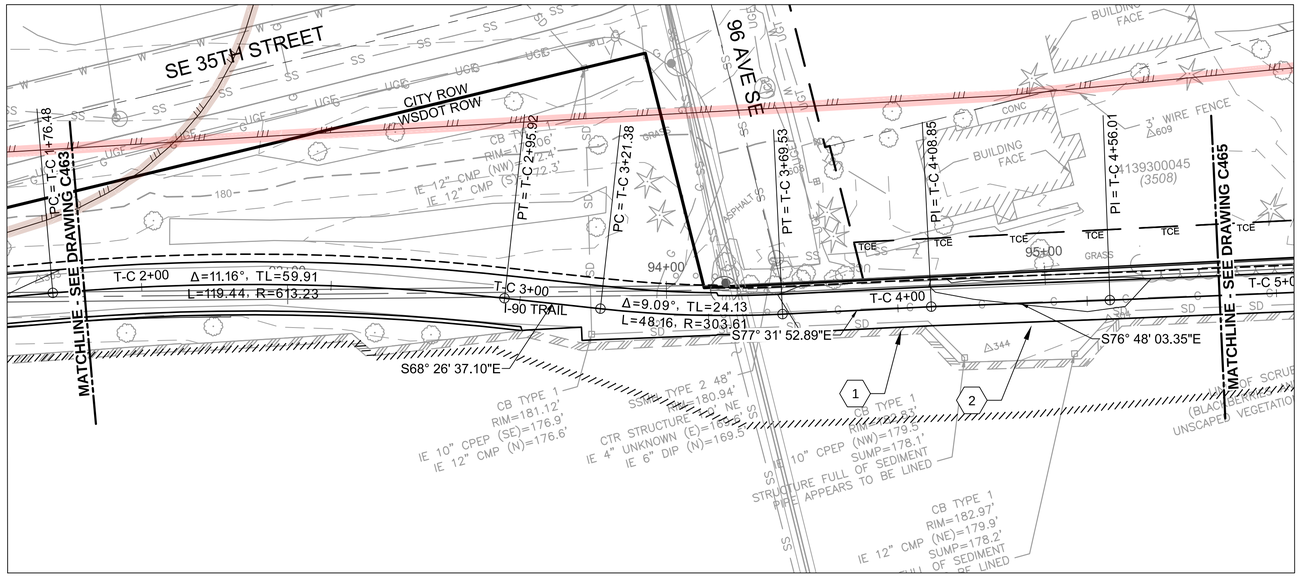
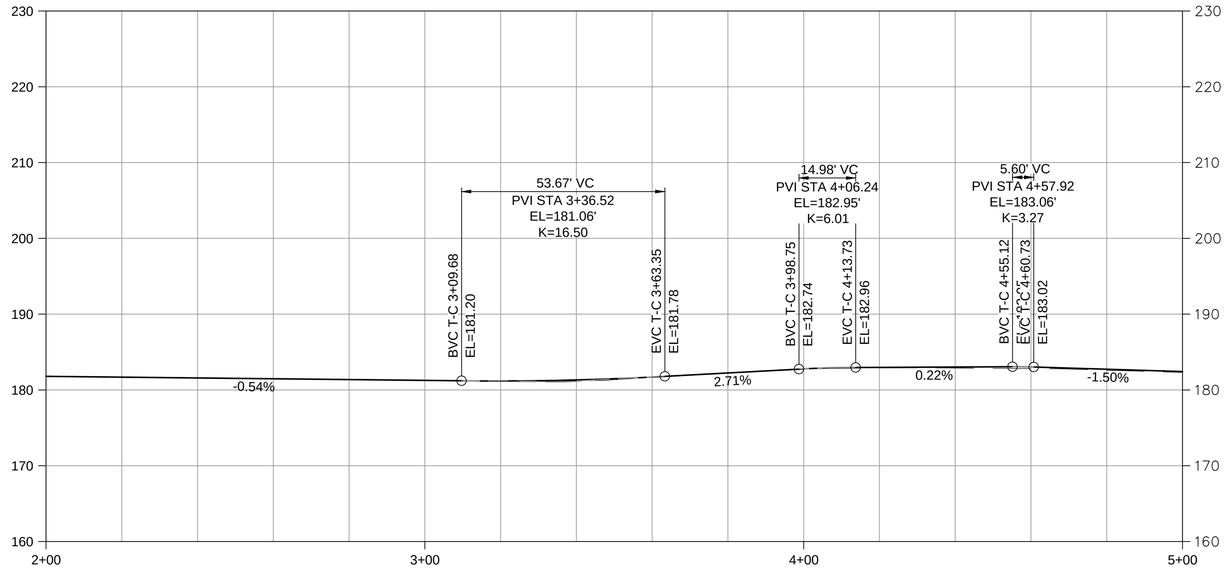
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. SEE TRAIL SECTION DETAIL 3/C064 FOR PCC WEDGE LOCATED AT WALL JOINT.
2. MATCH EXISTING ASPHALT TO BUTT-JOINT ACCORDING TO DETAIL 2/C062

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60

SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT C STA 2+00 TO STA 5+00

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C464
SHT NO / TOTAL	/
REV NO:	

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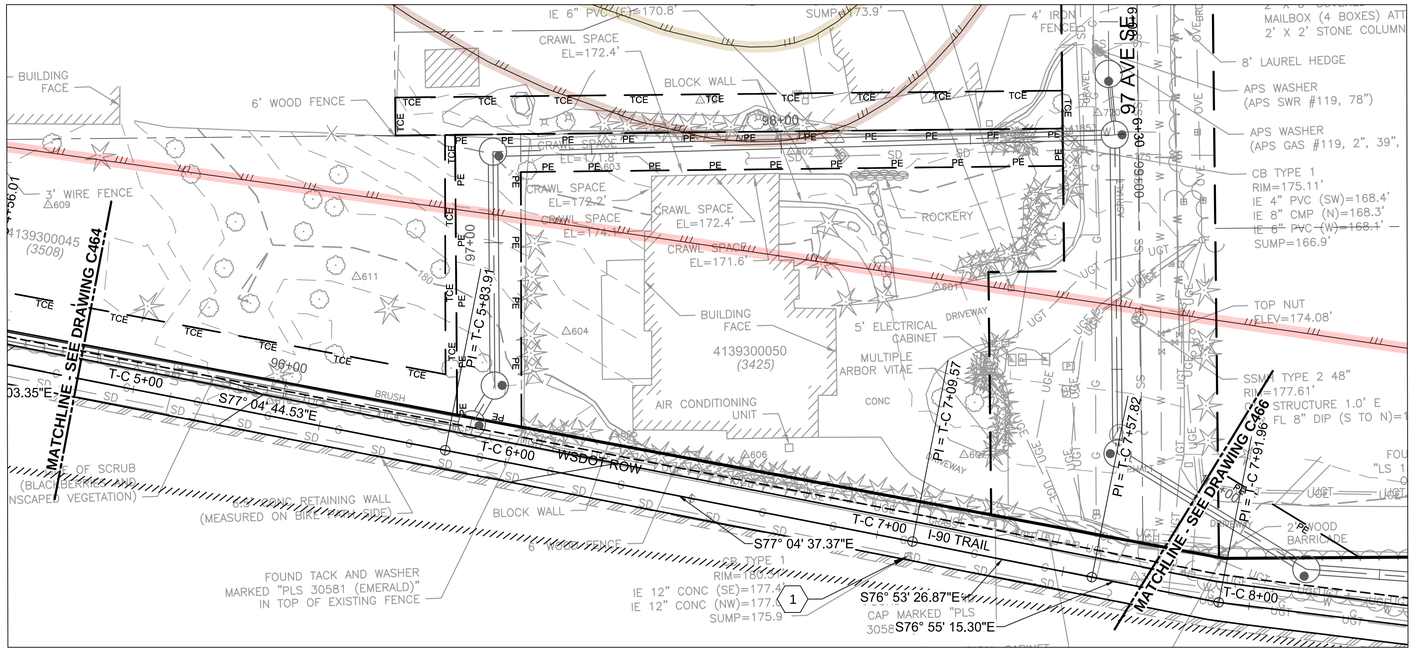
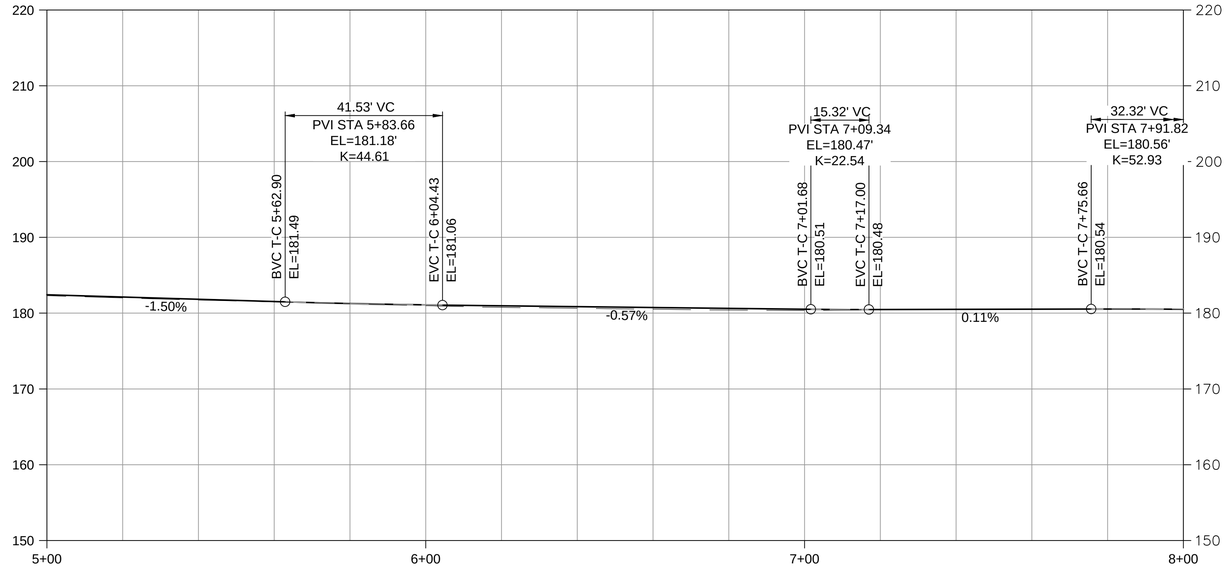
PLOTTED BY: D'Auria, Isaac



PLAN

SCALE: 1" = 20'



PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. REPLACE EXISTING GRATE WITH ADA GRATE (ALTERNATIVE 1). SEE WSDOT STD DETAIL B-30.15-00 ON DWG C039.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
- 60' PERENNIAL STREAM BUFFER
- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT C STA 5+00 TO STA 8+00

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C465
SHT NO / TOTAL /
REV NO:

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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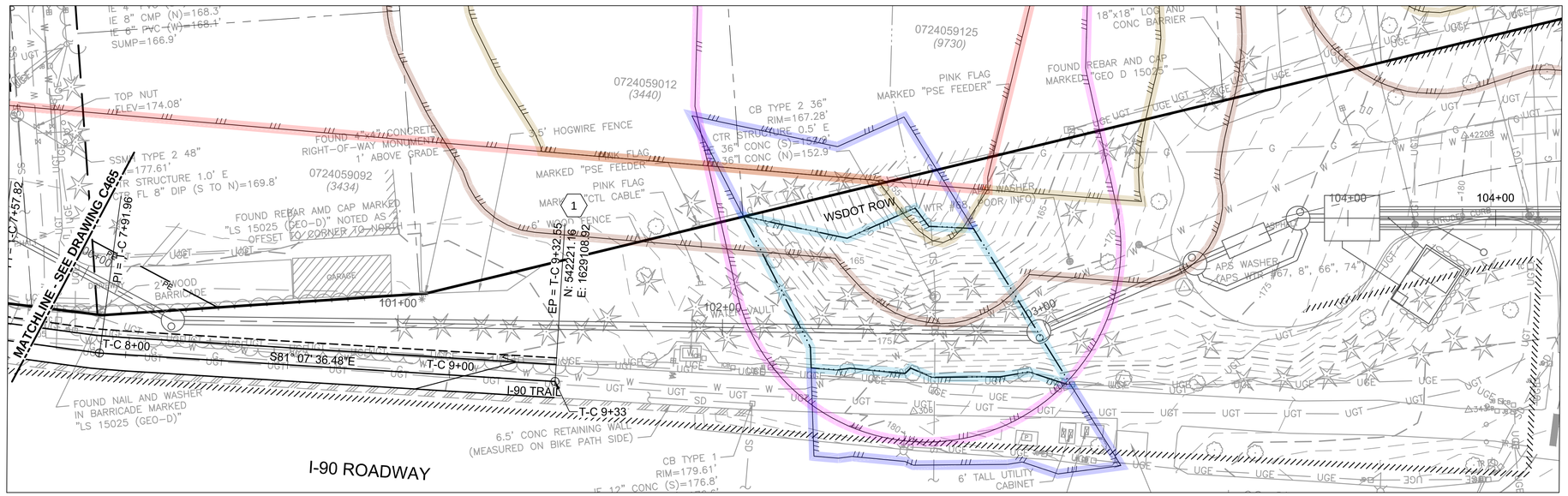
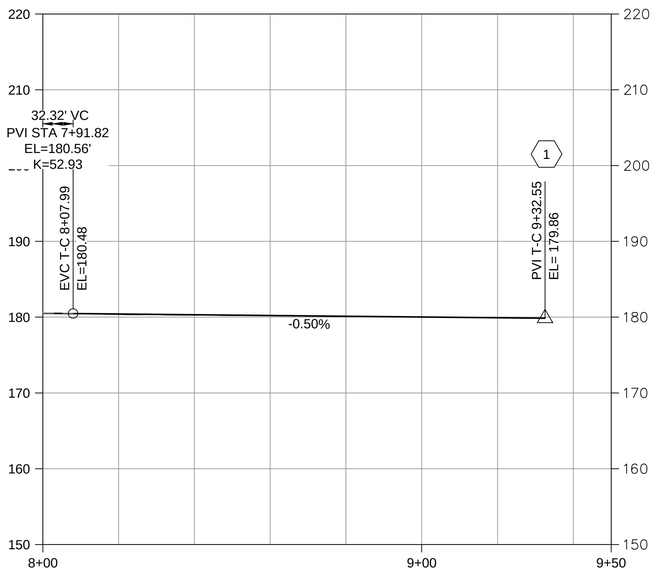
PLOT DATE: 9/26/2019 12:39 PM
PLOTTED BY: D'Auria, Isaac



PLAN
SCALE: 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE RESTORATION SHEETS FOR TRAIL PAVEMENT EXTENTS AND LANDSCAPING RESTORATION.
2. SEE DWG C064 FOR TRAIL SECTION AND EDGE CONDITION SCHEDULES.

KEY NOTES:

1. MATCH EXIST TRAIL ELEVATION AND TRANSITION TO EXIST TRAIL WIDTH OVER 10' LENGTH.

NOTES TO REVIEWER:

1. TRAIL SIGNAGE AND PAVEMENT MARKINGS TO BE COORDINATED WITH MERCER ISLAND AND WSDOT AND LOCATED AFTER 90% SUBMITTAL.

CRITICAL AREAS LEGEND

- 120' POTENTIAL FISH-BEARING STREAM BUFFER
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- 60' SEASONAL STREAM BUFFER
- LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW
- LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW
- SEISMIC HAZARD AREA
- 200' LAKE WASHINGTON BUFFER
- ORDINARY HIGH WATER MARK
- LANDSLIDE HAZARD AREA: STEEP SLOPE
- LANDSLIDE HAZARD BUFFER: STEEP SLOPE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

I-90 TRAIL RESTORATION SEGMENT C STA 8+00 TO STA 9+43

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C466
SHT NO / TOTAL	/
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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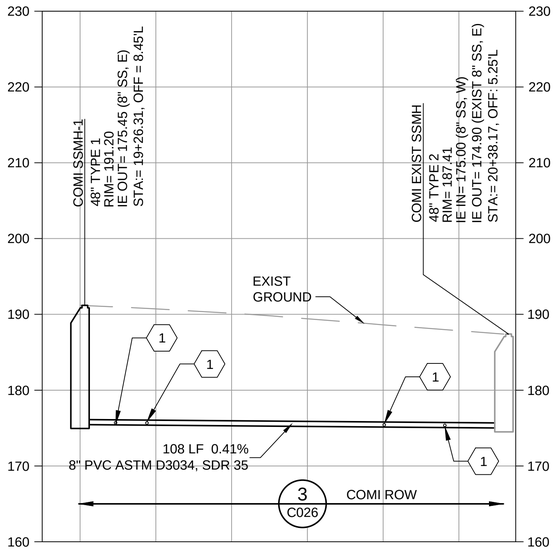
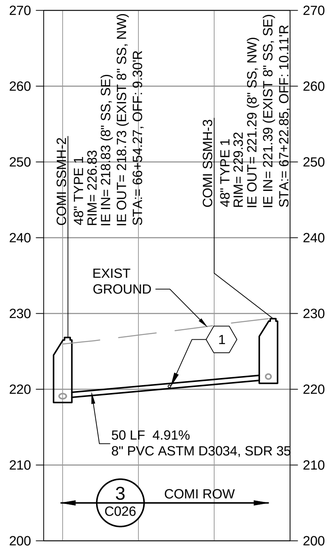
PLOT DATE: 9/26/2019 12:42 PM
PLOTTED BY: D'Auria, Isaac



NOTE:
1. SEE DWG C306 FOR PLAN VIEW

24TH AVE SE SEWER RELOCATION PROFILE (STA 19+28 TO STA 20+40)

SCALE: HORIZ 1" = 20'
VERT 1" = 10'



NOTE:
1. SEE DWG C319 FOR PLAN VIEW

90TH PL SE SEWER RELOCATION PROFILE (STA 66+05 TO STA 66+63)

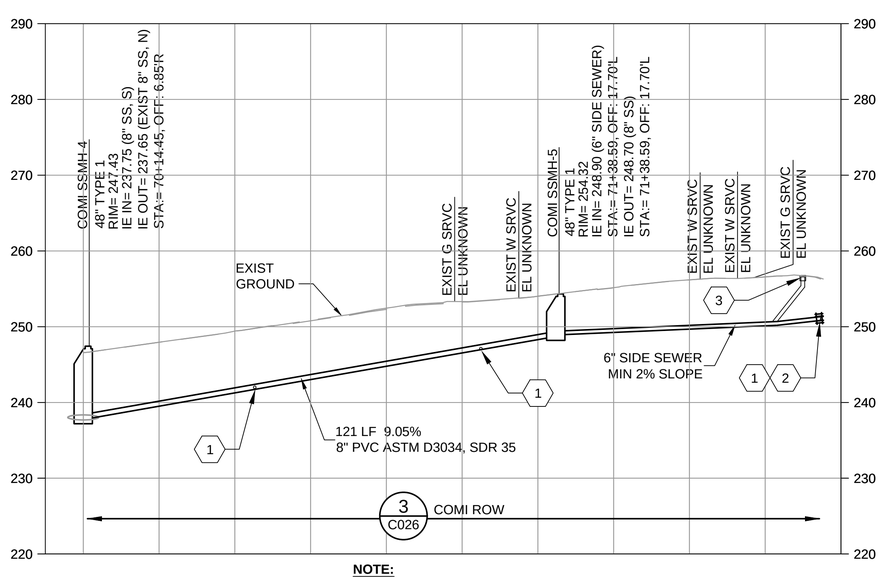
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE CITY OF MERCER ISLAND STANDARD SEWER DETAIL S-3 FOR TYPICAL SEWER TRENCH.
2. SEE CITY OF MERCER ISLAND STANDARD SEWER DETAIL S-5 FOR TYPE 1 48" MH.
3. SEE CITY OF MERCER ISLAND STANDARD SEWER DETAIL S-17 FOR SIDE SEWER CONNECTIONS.
4. SEE CITY OF MERCER ISLAND STANDARD DETAIL S-22 FOR RESIDENTIAL SIDE SEWER DISCONNECTION AND RECONNECTION GUIDELINES.

KEY NOTES:

1. INSTALL NEW SIDE SEWER PIPE AS NEEDED TO CONNECT TO EXIST SIDE SEWER WITH A COUPLER. RECONNECT SIDE SEWER AS CLOSE TO SEWER MAIN AS POSSIBLE. NEW PORTION OF SIDE SEWER SHALL BE PER CITY OF MERCER ISLAND SEWER STANDARD DETAIL S-17. MATCH NEW SIDE SEWER MATERIAL TO EXIST SIDE SEWER.
2. POTHOLE EXIST SIDE SEWER IN ADVANCE OF CONSTRUCTION. ADJUST SLOPE AND ELEVATION TO CONNECT TO EXIST SIDE SEWER.
3. INSTALL SIDE SEWER CLEAN OUT PER CITY OF MERCER ISLAND SEWER STANDARD DETAIL S-19.



NOTE:
1. SEE DWG C320 AND C321 FOR PLAN VIEW

90TH PL SE SEWER RELOCATION PROFILE (STA 69+73 TO STA 70+98)

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

FOR REFERENCE ONLY

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C701.dwg
PLOT DATE: 9/17/2019 9:38 AM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

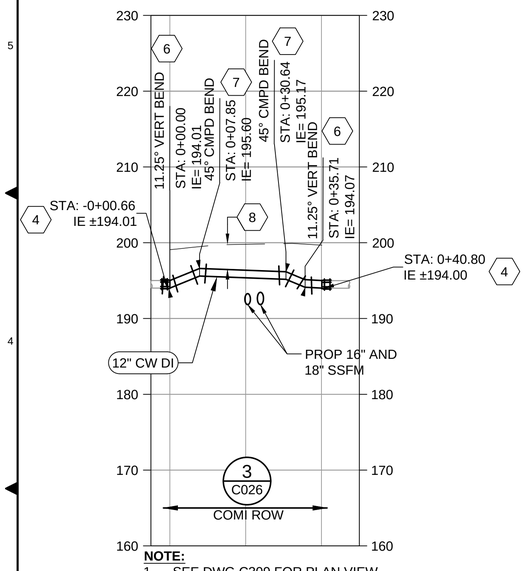
DESIGNED/DRAWN: M. TOOLEY	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

MERCER ISLAND SEWER PROFILES

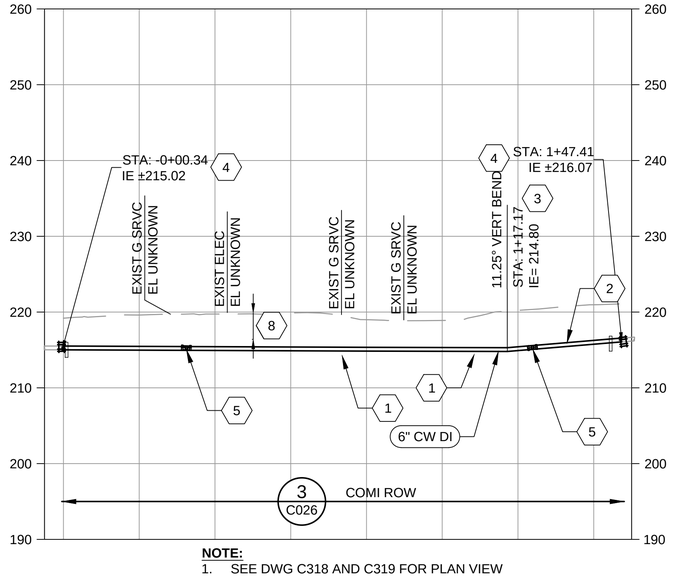
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C701
SHT NO / TOTAL	340 / 438
REV NO:	



NOTE:
1. SEE DWG C309 FOR PLAN VIEW

N MERCER WAY WATER RELOCATION
PROFILE (STA 29+00 TO STA 29+30)

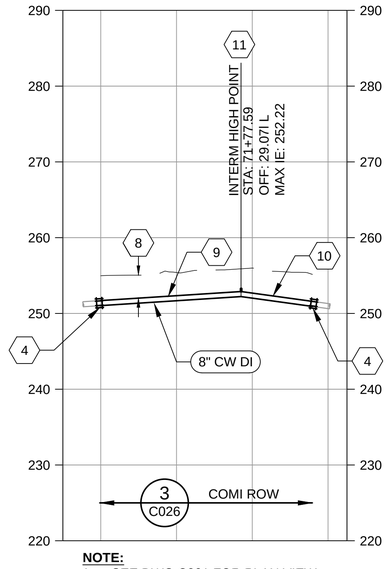
SCALE: HORIZ 1" = 20'
VERT 1" = 10'



NOTE:
1. SEE DWG C318 AND C319 FOR PLAN VIEW

90TH PL SE WATER RELOCATION
PROFILE (STA 63+72 TO STA 65+17)

SCALE: HORIZ 1" = 20'
VERT 1" = 10'



NOTE:
1. SEE DWG C321 FOR PLAN VIEW

90TH PL CUL-DE-SAC WATER RELOCATION
PROFILE (STA 71+64 TO STA 71+97)

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

NOTES:

1. SEE CITY OF MERCER ISLAND STANDARD WATER DETAIL W-3 FOR TYPICAL WATER MAIN TRENCH SECTION.

(#) KEY NOTES:

1. 6" 22.5° DI HORIZ BEND (FULLY RESTRAINED). CDF BACKFILL FOR 5 FT UPSTREAM AND DOWNSTREAM OF THE JOINT.
2. 6" 11.25° DI HORIZ BEND (FULLY RESTRAINED). CDF BACKFILL FOR 5 FT UPSTREAM AND DOWNSTREAM OF THE JOINT.
3. 6" 11.25° DI VERT BEND (FULLY RESTRAINED). CDF BACKFILL FOR 5 FT UPSTREAM AND DOWNSTREAM OF THE JOINT.
4. CUT AND REMOVE EXIST WATER MAIN AS NEEDED. CONNECT TO EXIST WATER MAIN WITH COUPLER. FIELD VERIFY EXIST PIPE MATERIAL, DIAMETER, AND ELEV IN ADVANCE OF CONSTRUCTION.
5. INSTALL 1" WATER SERVICE PER CITY OF MERCER ISLAND STANDARD WATER DETAIL W-13.
6. 12" 11.25° DI BEND (MJ x MJ). VERTICAL THRUST BLOCK PER CITY OF MERCER ISLAND STANDARD WATER DETAIL W-5B.
7. 12" 45° DI CMPD BEND (MJ x MJ). VERTICAL THRUST BLOCK PER CITY OF MERCER ISLAND STANDARD WATER DETAIL W-5B.
8. 36" MIN COVER.
9. PIPE TO BE PLACED WITH UPSLOPE OF AT MIN 0.25% AND AT MAX 15%.
10. PIPE TO BE PLACED WITH DOWNSLOPE OF AT MIN 0.25% AND AT MAX 15%.
11. INTRODUCE INTERMEDIATE HIGH POINT AT CONNECTION TO 1" AIR & VACUUM VALVE ASSEMBLY WITH MAX IE = 252.22'. FOR VERTICAL TAP CONNECTION, SEE MERCER ISLAND STANDARD WATER DETAIL W-25 ON 3/C035.

FOR REFERENCE ONLY

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: M. TOOLEY	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

MERCER ISLAND WATER PROFILES

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: C702
SHT NO / TOTAL: 341 / 438
REV NO:

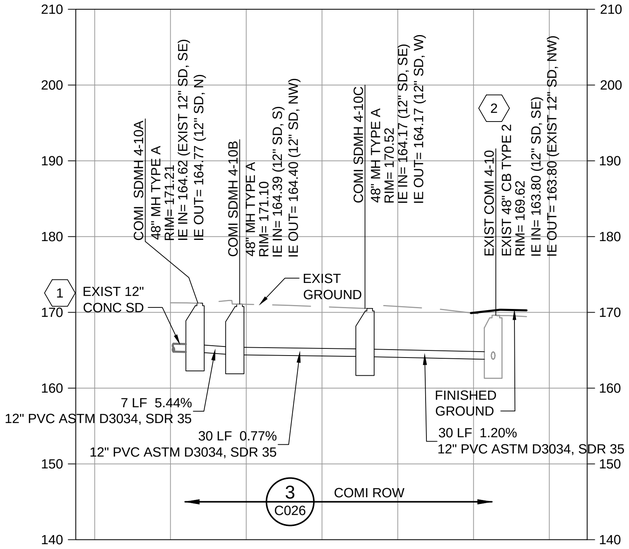
BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C702.dwg
PLOT DATE: 9/9/2019 7:28 PM
PLOTTED BY: D'Auria, Isaac

NOTES:

1. SEE 3/C026 FOR TRENCH SECTION.

(#) KEY NOTES:

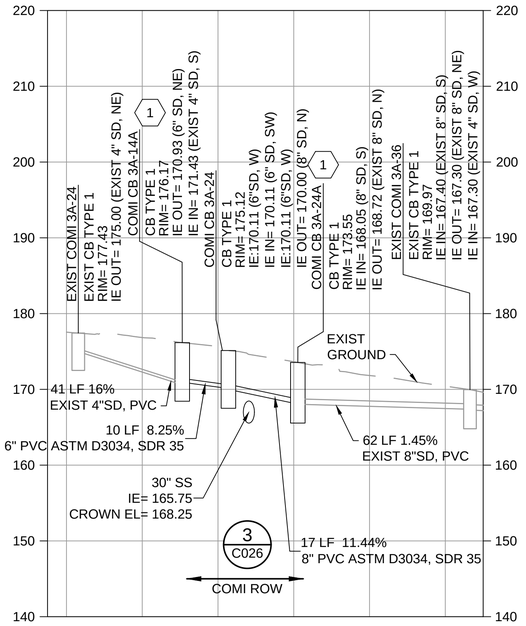
1. CUT AND REMOVE EXIST SD PIPE AS NEEDED. FIELD VERIFY EXIST PIPE MATERIAL, DIAMETER, AND ELEV IN ADVANCE OF CONSTRUCTION.
2. CONNECT TO EXIST SDMH.



NOTE:
1. SEE DWG C314 FOR PLAN VIEW

N MERCER WAY SD RELOCATION
PROFILE (STA 48+00 TO STA 49+00)

SCALE: HORIZ 1" = 20'
VERT 1" = 10'



NOTE:
1. SEE DWG C328 FOR PLAN VIEW

97TH AVE SE SD RELOCATION
PROFILE (STA 98+00 TO STA 99+00)

SCALE: HORIZ 1" = 20'
VERT 1" = 10'

FOR REFERENCE ONLY

SCALE IN FEET: 0 20 40 60

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: I. D'AURIA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

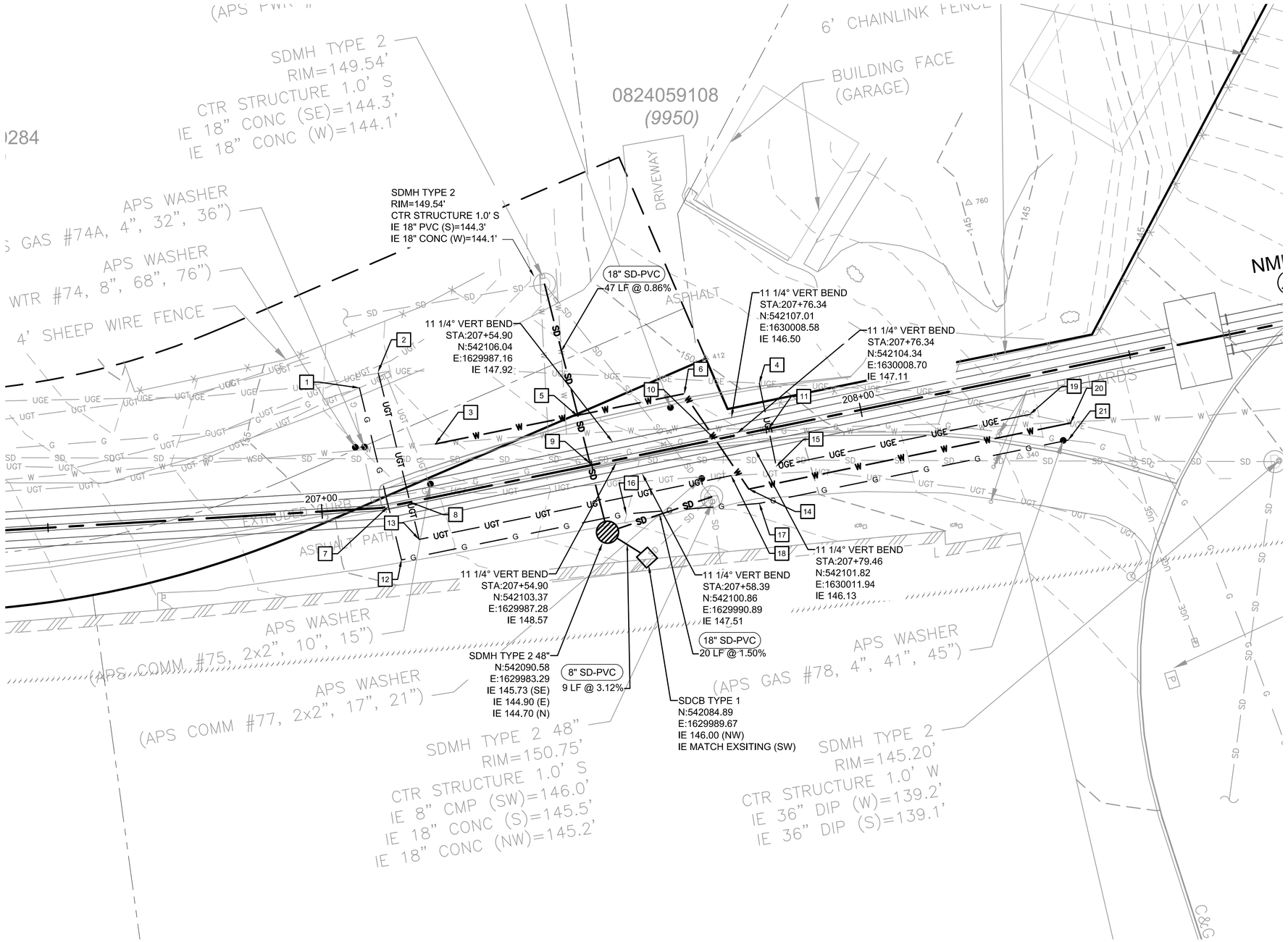
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

MERCER ISLAND STORM DRAIN PROFILES

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C703
SHT NO / TOTAL	342 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-C703.dwg
PLOT DATE: 9/16/2019 5:09 PM
PLOTTED BY: Nelson, Ben



NOTES:

1. SEE SHEET C706 FOR ELEVATIONS OF RELOCATED UTILITIES.
2. SEE DRAWING C331 FOR PROPOSED SIPHON PLAN AND PROFILE. WORK LIMITS AND OTHER REQUIREMENTS.
3. THIS DRAWING AND C706 SHOW: EXISTING CONDITIONS; UTILITIES TO REMAIN; PROPOSED SIPHON SEWERS; AND PROPOSED RELOCATIONS OF TELECOM, POWER, GAS, WATER, AND STORM.
4. TELECOM, POWER , AND GAS TO BE RELOCATED RESPECTIVE UTILITIES PRIOR TO SEWER CONTRACT CONSTRUCTION. LOCATIONS SHOWN ARE FROM CONSTRUCTION RECORDS. CONTRACTOR VERIFY PRIOR TO CONSTRUCTION.
5. WATER AND STORM RELOCATIONS ARE PART OF SEWER CONSTRUCTION CONTRACT.
6. ALL INDIVIDUAL SERVICE LINES ARE TO REMAIN OPERATIONAL AT ALL TIMES.
7. WATER MAIN TO BE REMOVED TO THE LIMITS OF WATER MAIN RELOCATION DURING SEVER CONSTRUCTION AND REPLACED AS SOON AS POSSIBLE THERE AFTER.

(#) KEY NOTES:

1.

NOTE TO REVIEWER:

1. CLOUDED NOTES ABOVE DESCRIBE PROPOSED RELOCATION WORK. UTILITY COORDINATION ONGOING AS OF AUGUST 2019

FOR REFERENCE ONLY

0 10 20 30
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND
ENATAI INTERCEPTOR UPGRADE
UTILITY RELOCATION
STA 207+00 TO STA 209+00
SHEET 1 OF 2

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C705
SHT NO / TOTAL	344 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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PLOT DATE: 9/16/2019 2:12 PM
PLOTTED BY: Morris, Richard

NOTES:

1.

UTILITY RELOCATION ELEVATIONS								
Callout	NORTHING	EASTING	PROP SANITARY SEWER	WATER	UNDERGROUND TELECOM	UNDERGROUND ELECTRIC	GAS	STORM DRAIN
			IE OF 12" SS & 2-16" SS	CL OF 8" W	TOP OF UGT	TOP OF UGE	CL OF X" G	IE OF 18" SD
1	-	-	-	-	-	-	Match Existing	-
2	-	-	-	-	Match Existing	-	-	-
3	-	-	-	Match Existing	-	-	-	-
4	-	-	-	-	-	Match Existing	-	-
5	542112.49	1629981.26	-	147.6	-	-	-	144.5
6	542113.33	1630001.04	-	147.1	-	-	-	-
7	542101.42	1629944.59	149.8	-	-	-	151.7	-
8	542101.60	1629948.59	149.6	-	150.9	-	-	-
9	542103.13	1629982.12	148.0	-	-	-	-	144.6
10	542104.19	1630005.32	142.9	147.0	-	-	-	-
11	542104.64	1630015.21	142.0	-	-	146.6	-	-
12	542091.45	1629945.43	-	-	-	-	151.2	-
13	542097.11	1629948.97	-	-	150.8	-	-	-
14	542094.34	1630009.94	-	146.9	-	-	-	-
15	542097.65	1630015.51	-	-	-	146.6	-	-
16	542093.35	1629987.18	-	-	-	-	149.3	144.7
17	542091.45	1630011.42	-	-	-	-	147.0	-
18	-	-	-	-	Match Existing	-	-	-
19	-	-	-	-	-	Match Existing	-	-
20	-	-	-	Match Existing	-	-	-	-
21	-	-	-	-	-	-	Match Existing	-

O:\Projects\Seattle\12539\200-12539-18001\SupportDocs\Calcs

FOR REFERENCE ONLY

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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PLOT DATE: 9/16/2019 2:12 PM
PLOTTED BY: Morris, Richard

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: K. GOSS	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

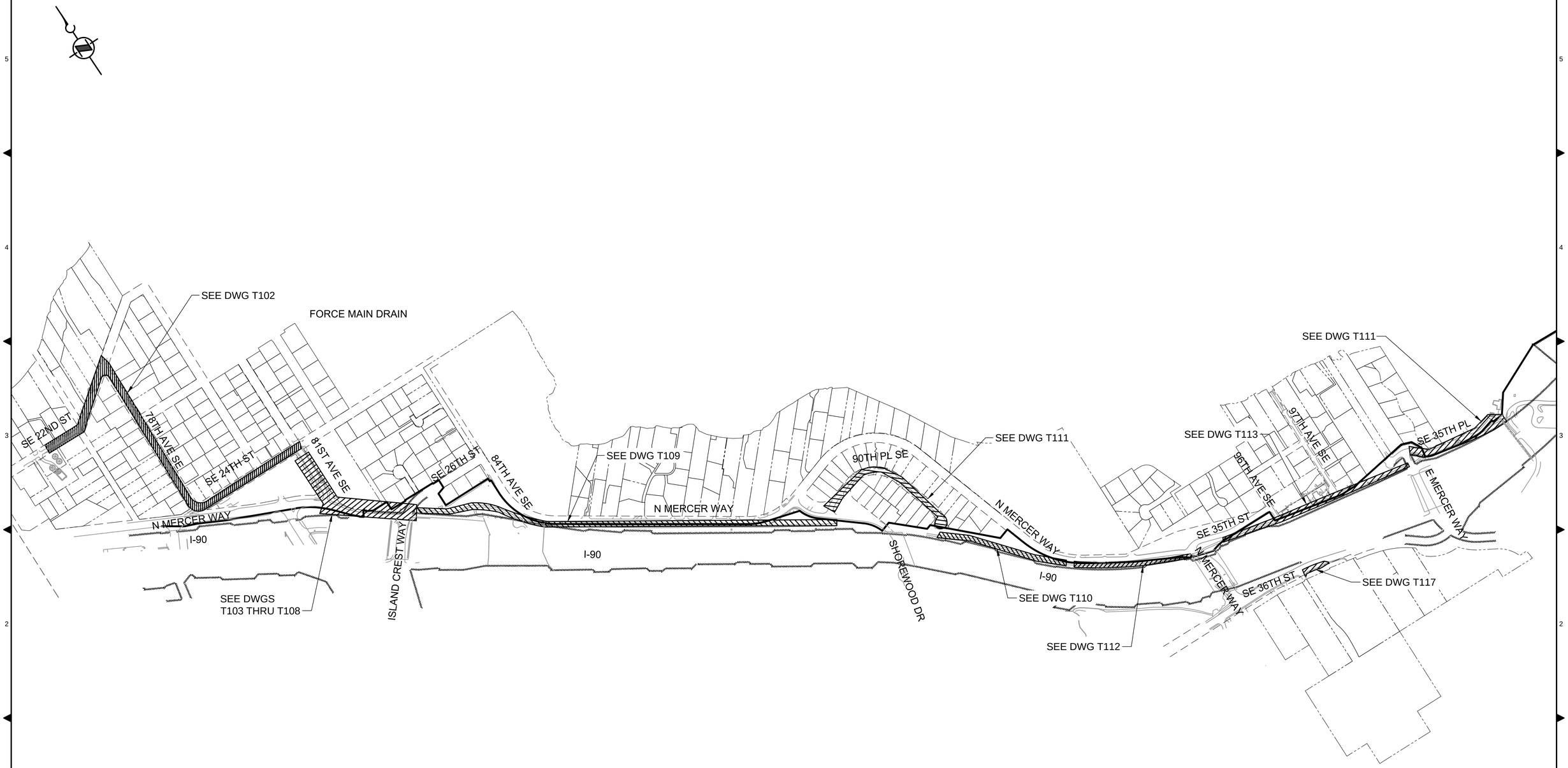
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

UTILITY RELOCATION STA 207+00 TO STA 209+00 SHEET 2 OF 2

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	C706
SHT NO / TOTAL	345 / 438
REV NO:	

VOLUME 2 OF 2 - MERCER ISLAND CONVEYANCE



FOR REFERENCE ONLY

0 250 500 750
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: S. ARANA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN SHEET 1 OF 2

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T100
SHT NO / TOTAL	346 / 438
REV NO:	

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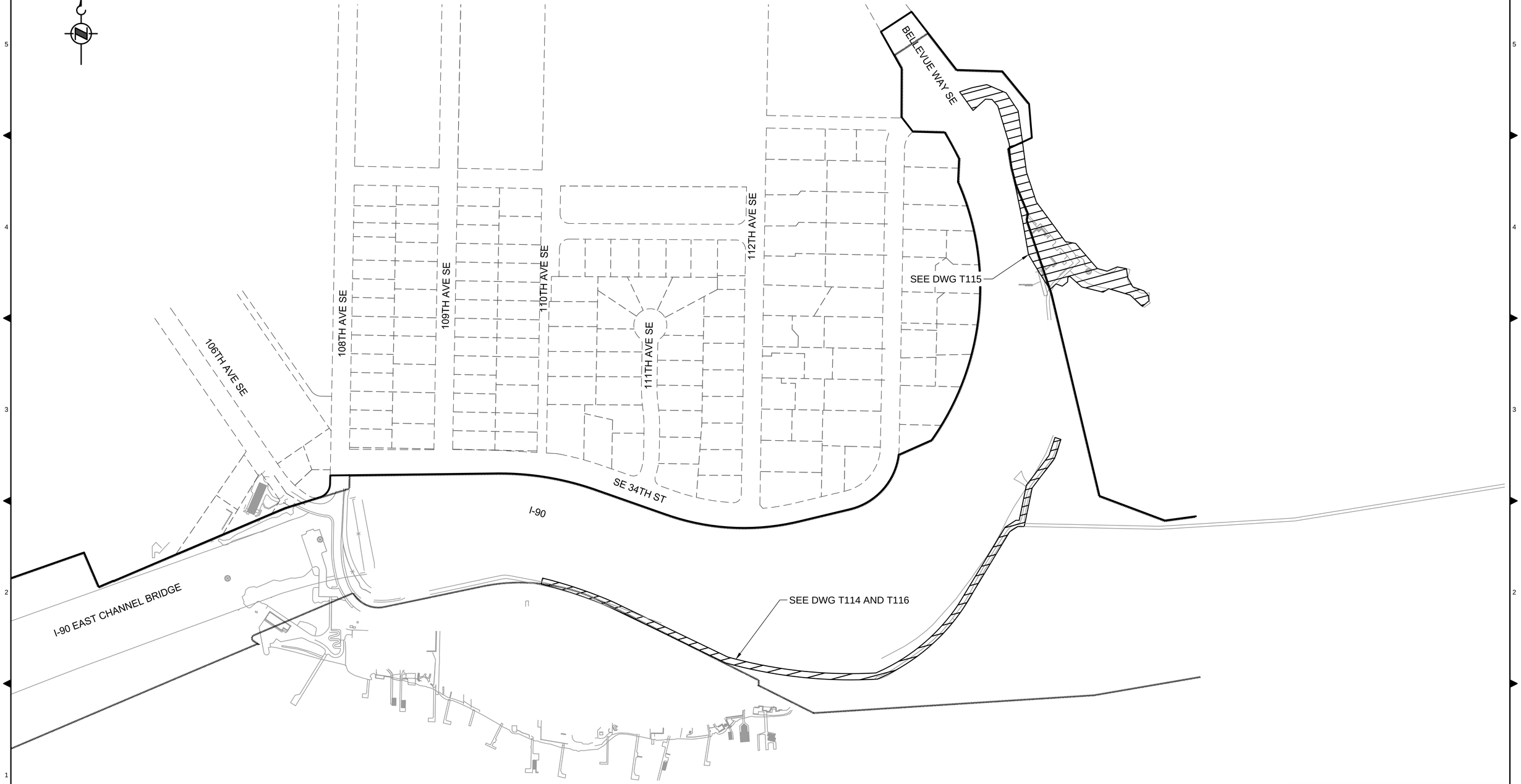
PLOTTED BY: D'Auria, Isaac



FOR REFERENCE ONLY

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SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: S. ARANA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC KEY MAP SHEET 2 OF 2

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T101
SHT NO / TOTAL	347 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
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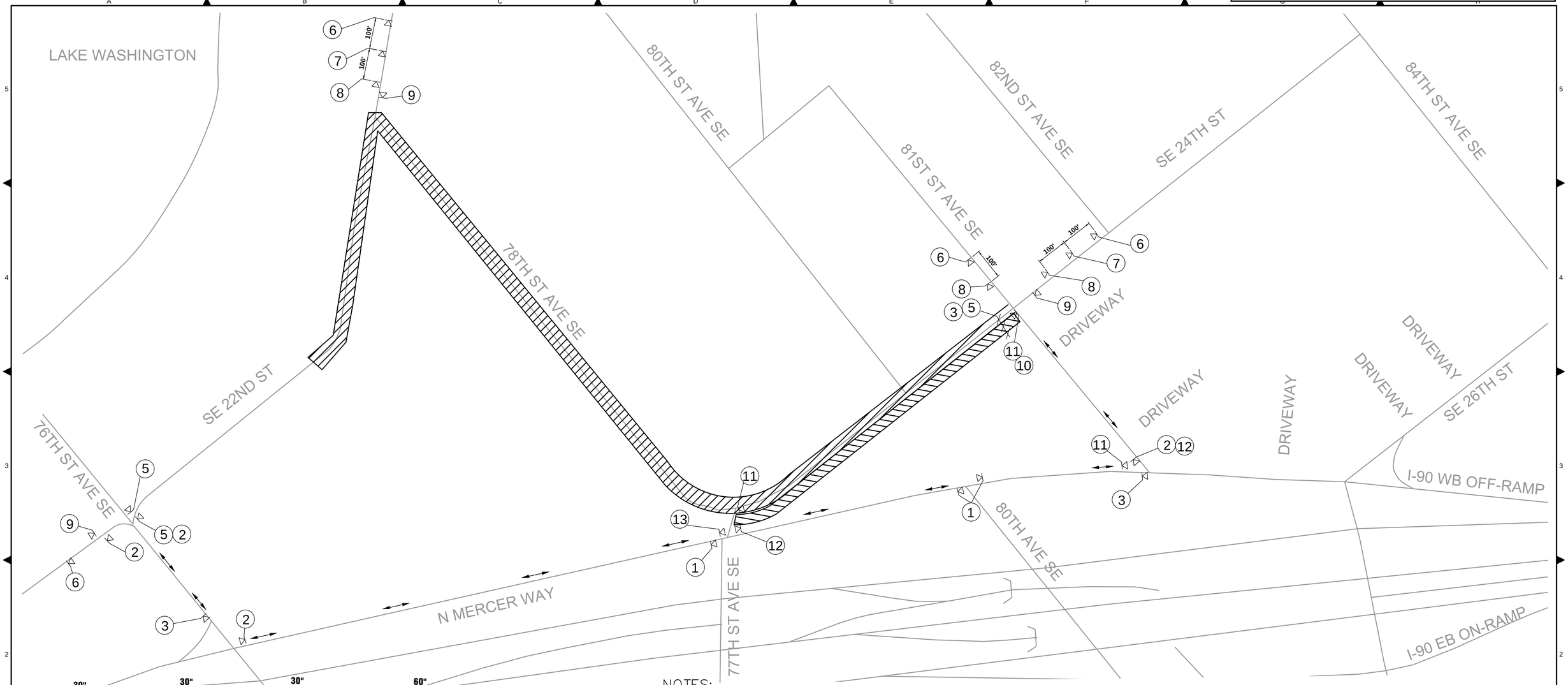
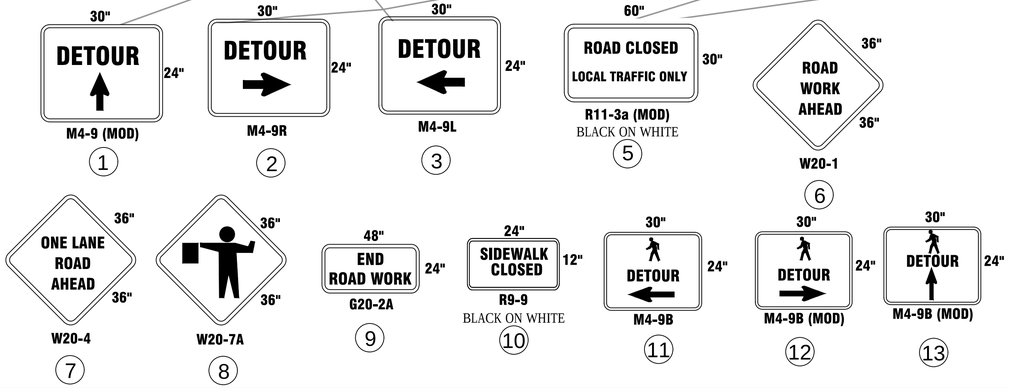
PLOTTED BY: D'Auria, Isaac





NOTES:

1. MAINTAIN ONE LANE OF TRAFFIC AT ALL TIMES. DIRECT TRAFFIC IN BOTH DIRECTIONS THROUGH ONE-LANE AREA WITH FLAGGERS IN ACCORDANCE WITH WSDOT STANDARD PLAN TC1.
2. WORK ZONE SHALL BE LESS THAN 250'.
3. RESTRICT STREET PARKING IN THIS AREA IN BOTH DIRECTIONS FROM 100 FEET BEFORE START OF ACTIVE TRENCH AREA TO 100 FEET AFTER END OF ACTIVE TRENCH AREA. ADVANCE NOTICE OF PARKING RESTRICTIONS SHALL BE POSTED TWO WEEKS PRIOR TO START OF THE RESTRICTIONS.
4. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
5. PEDESTRIAN DETOUR AND TRAFFIC DETOUR SIGNS SHALL BE PLACED ON SEPARATE POSTS.

FOR REFERENCE ONLY

LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DETOUR ROUTE
- TYPE III BARRICADE

NOT TO SCALE

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE L. DRAKE — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

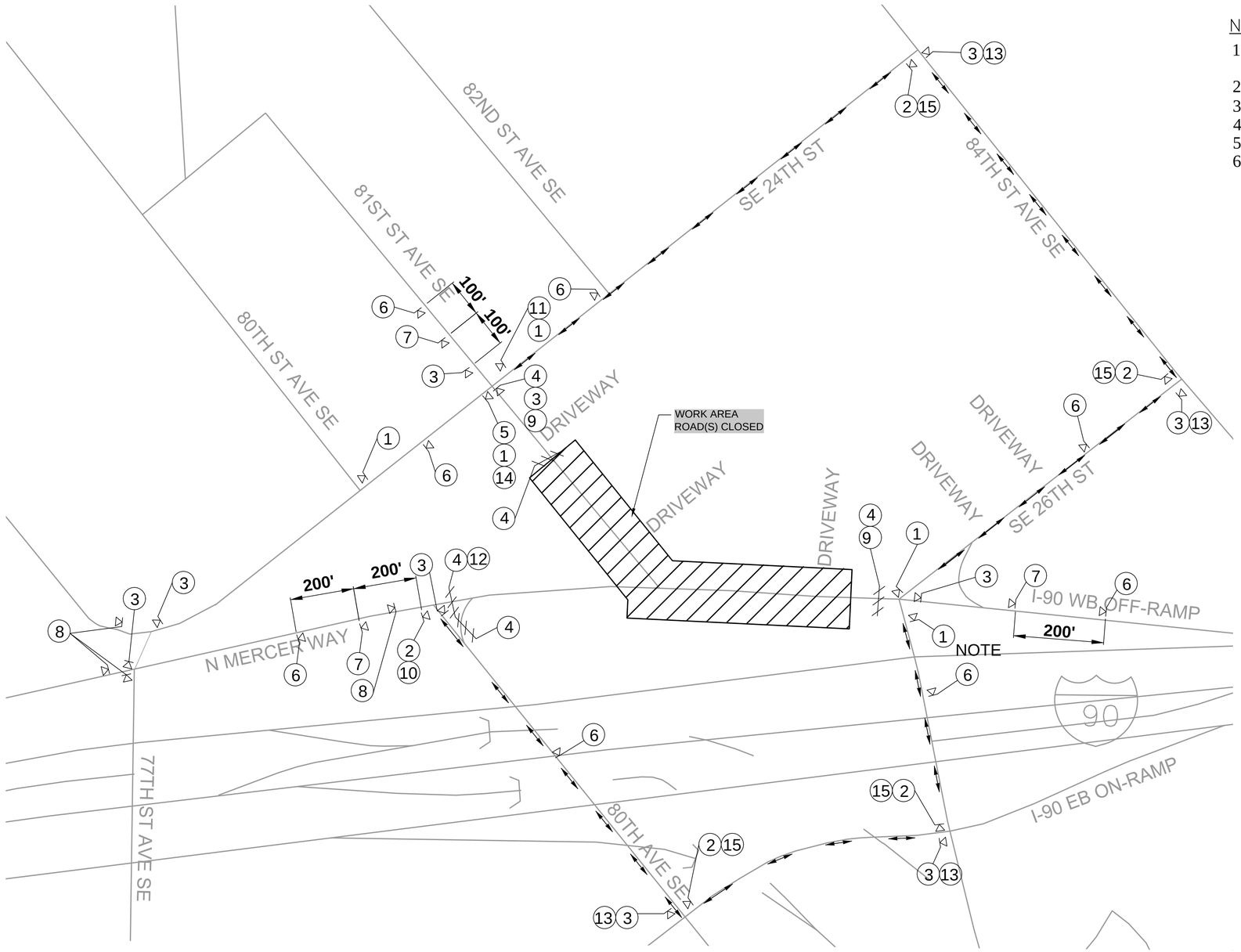
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: **T102**
SHT NO / TOTAL: 348 / 438
REV NO:

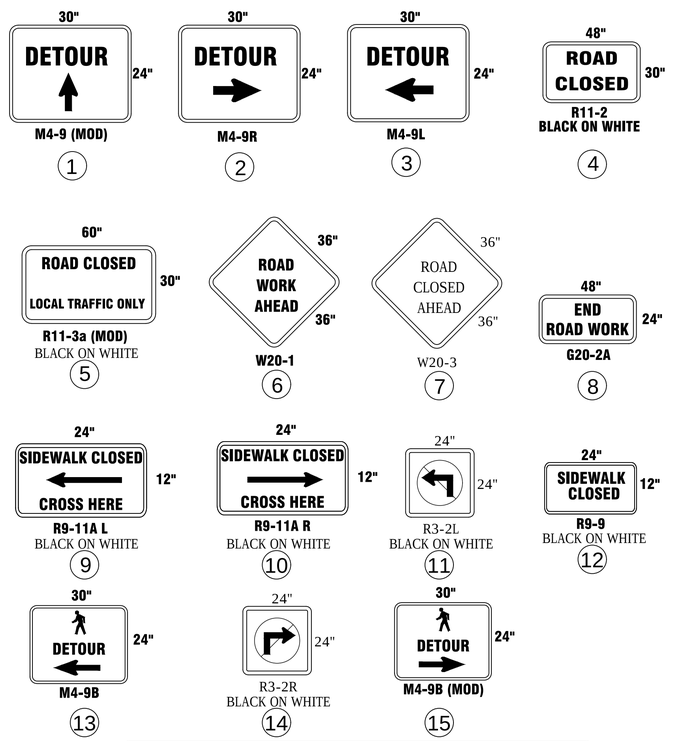
BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E003306E13-PIPE-T102.dwg
PLOT DATE: 9/9/2019 7:30 PM
PLOTTED BY: DAurio, Isaac



NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
3. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
4. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
5. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.
6. PEDESTRIAN DETOUR AND TRAFFIC DETOUR SIGNS SHALL BE PLACED ON SEPARATE POSTS.

FOR REFERENCE ONLY



LEGEND:

TEMPORARY SIGN LOCATION

WORK ZONE

DIRECTION OF TRAVEL

TYPE III BARRICADE

NOT TO SCALE

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DIAZ — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T103
SHT NO / TOTAL	349 / 438
REV NO:	

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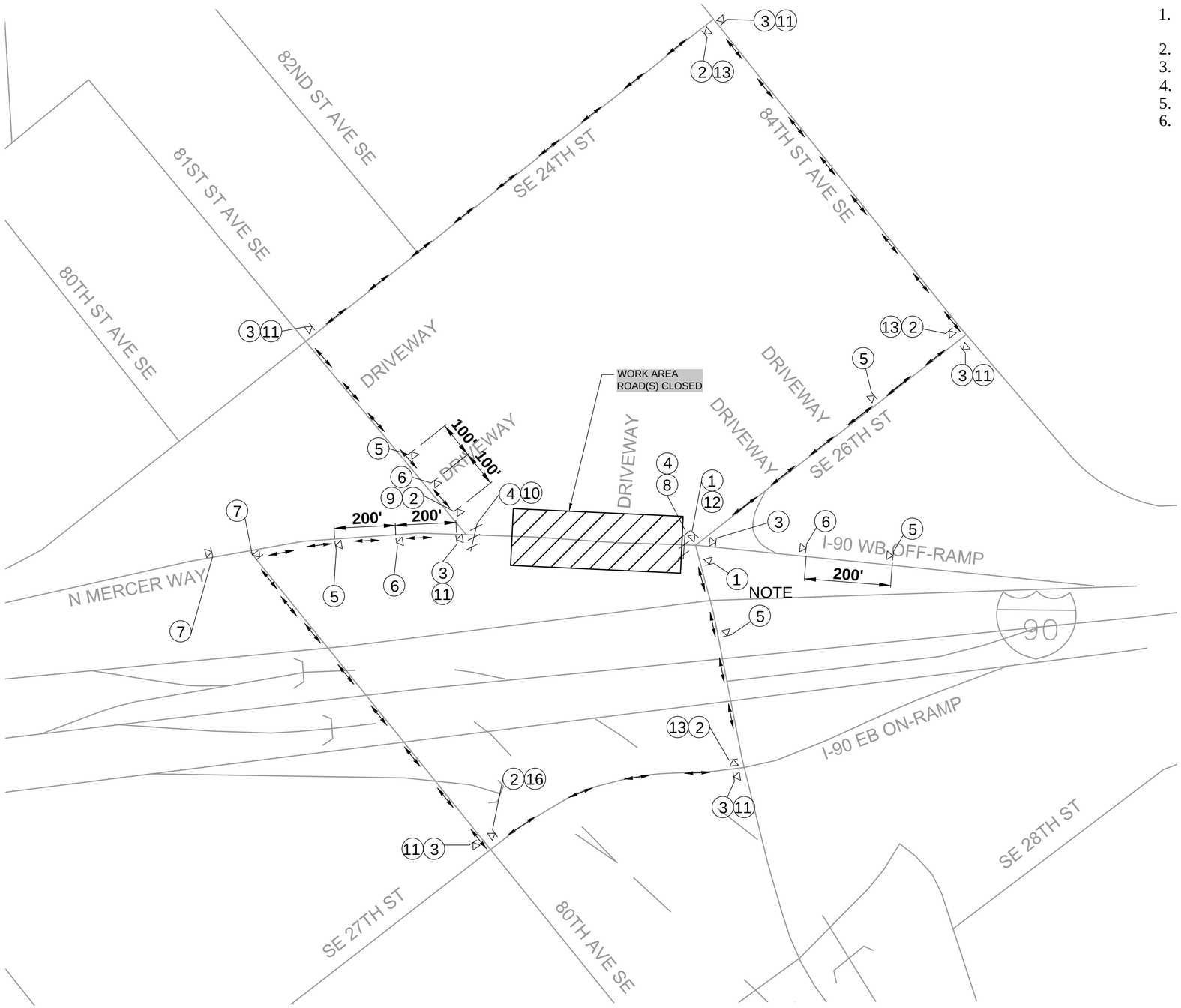
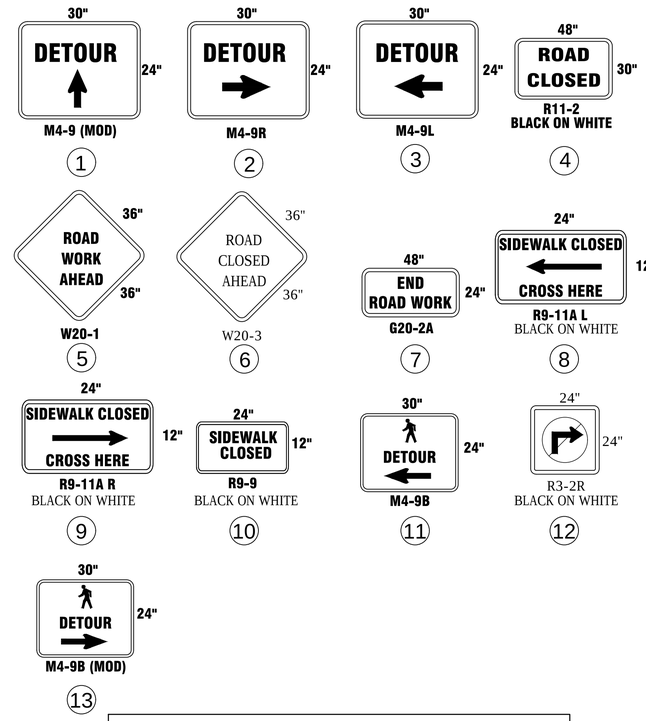
PLOT DATE: 9/9/2019 7:31 PM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. NO FLAGGERS.
3. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
4. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
5. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
6. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.

FOR REFERENCE ONLY



LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DIRECTION OF TRAVEL
- TYPE III BARRICADE

NOT TO SCALE

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DIAZ — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

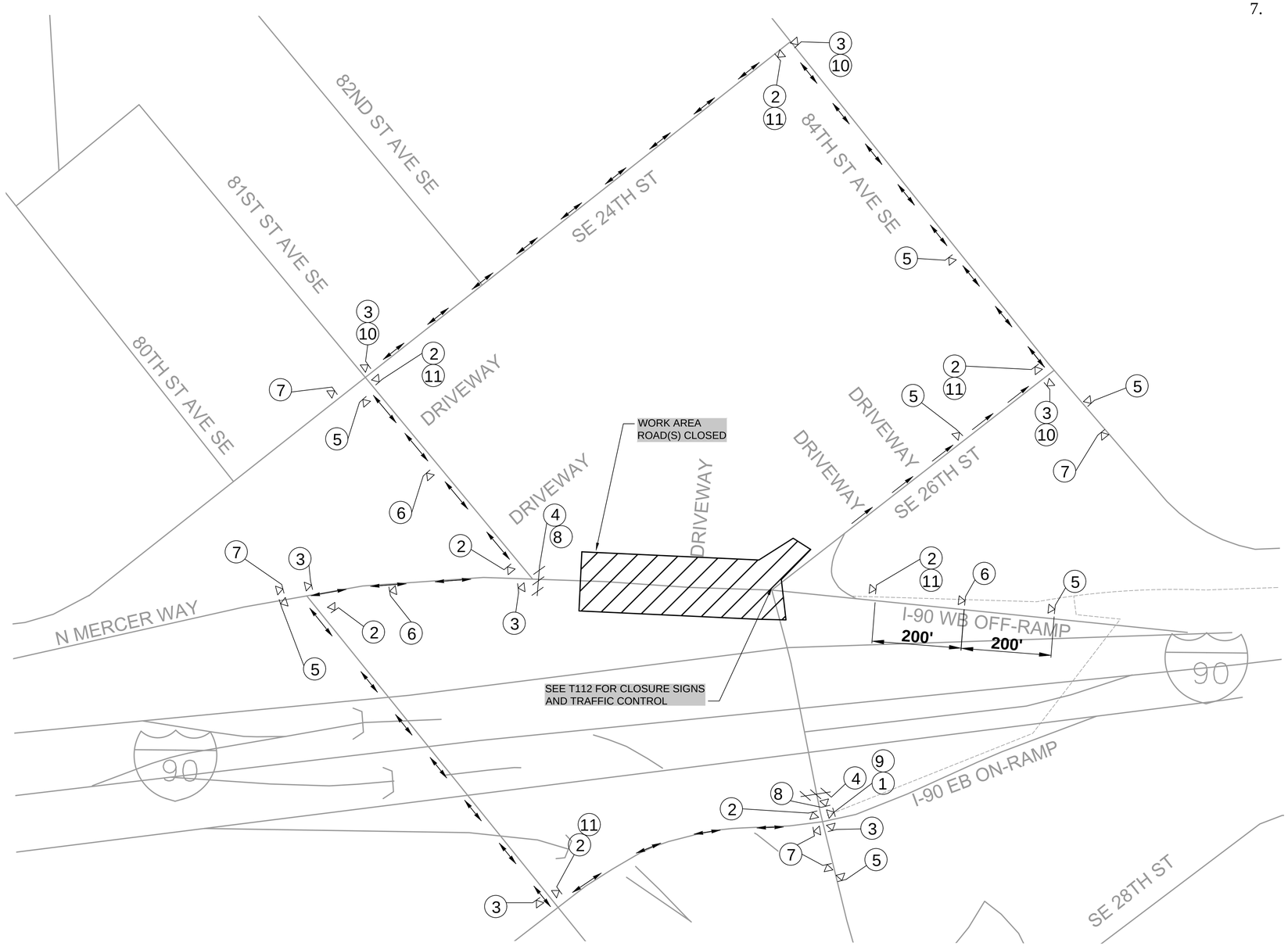
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

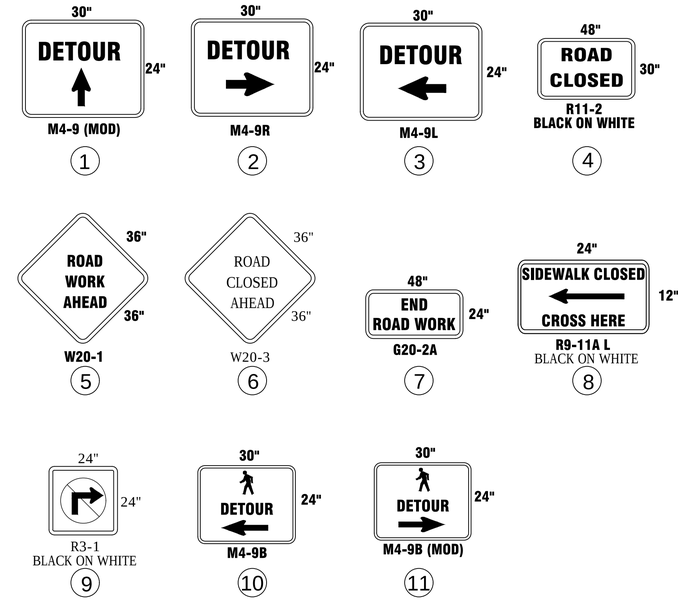
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T104
SHT NO / TOTAL	350 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-T104.dwg
PLOT DATE: 9/9/2019 7:31 PM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. NO FLAGGERS
3. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
4. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
5. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
6. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.
7. PLAN TO BE USED IN CONJUNCTION WITH T112



FOR REFERENCE ONLY

LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DIRECTION OF TRAVEL
- TYPE III BARRICADE

NOT TO SCALE

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE L. DRAY — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

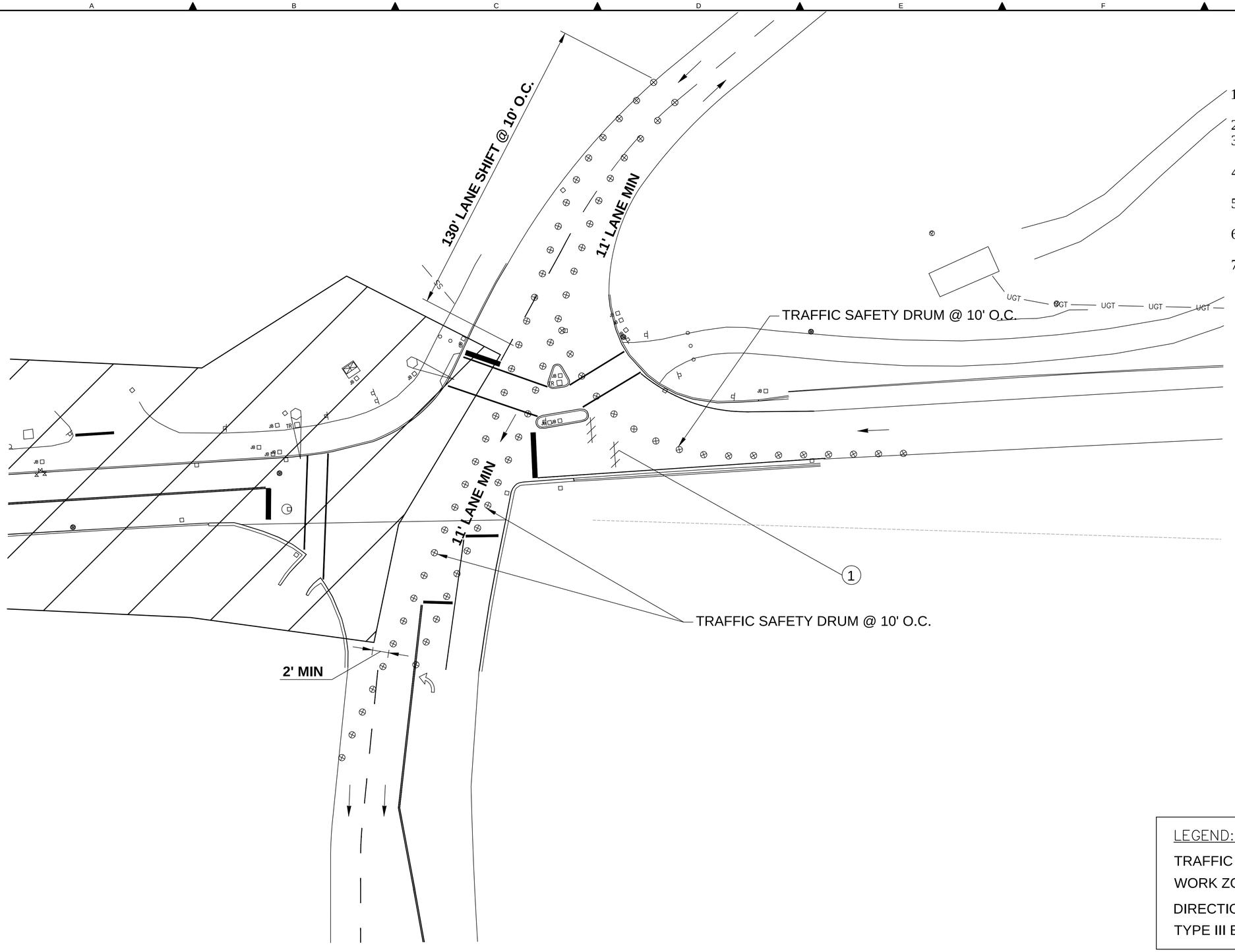
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

DCN: TBD
DATE:
PROJECT FILE NO: TBD
DRAWING NO: **T105**
SHT NO / TOTAL: 351 / 438
REV NO:

BORDER FILE EDITION: KCWTD_2012_Dsize_TB_Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13_PIPE_T105.dwg
PLOT DATE: 9/9/2019 7:31 PM
PLOTTED BY: DAurio, Isaac



NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. NO FLAGGERS ARE TO BE USED.
3. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
4. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
5. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
6. THIS PLAN SHALL BE PLACE IN CONJUNCTION WITH T103.
7. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCES

30"
DETOUR
24"
M4-9R
1

FOR REFERENCE ONLY

LEGEND:

TRAFFIC SAFETY DRUM ⊗
WORK ZONE
DIRECTION OF TRAVEL →
TYPE III BARRICADE

0 20 40 60
SCALE IN FEET

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DALEY
STATE OF WASHINGTON
36097
REGISTERED
PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

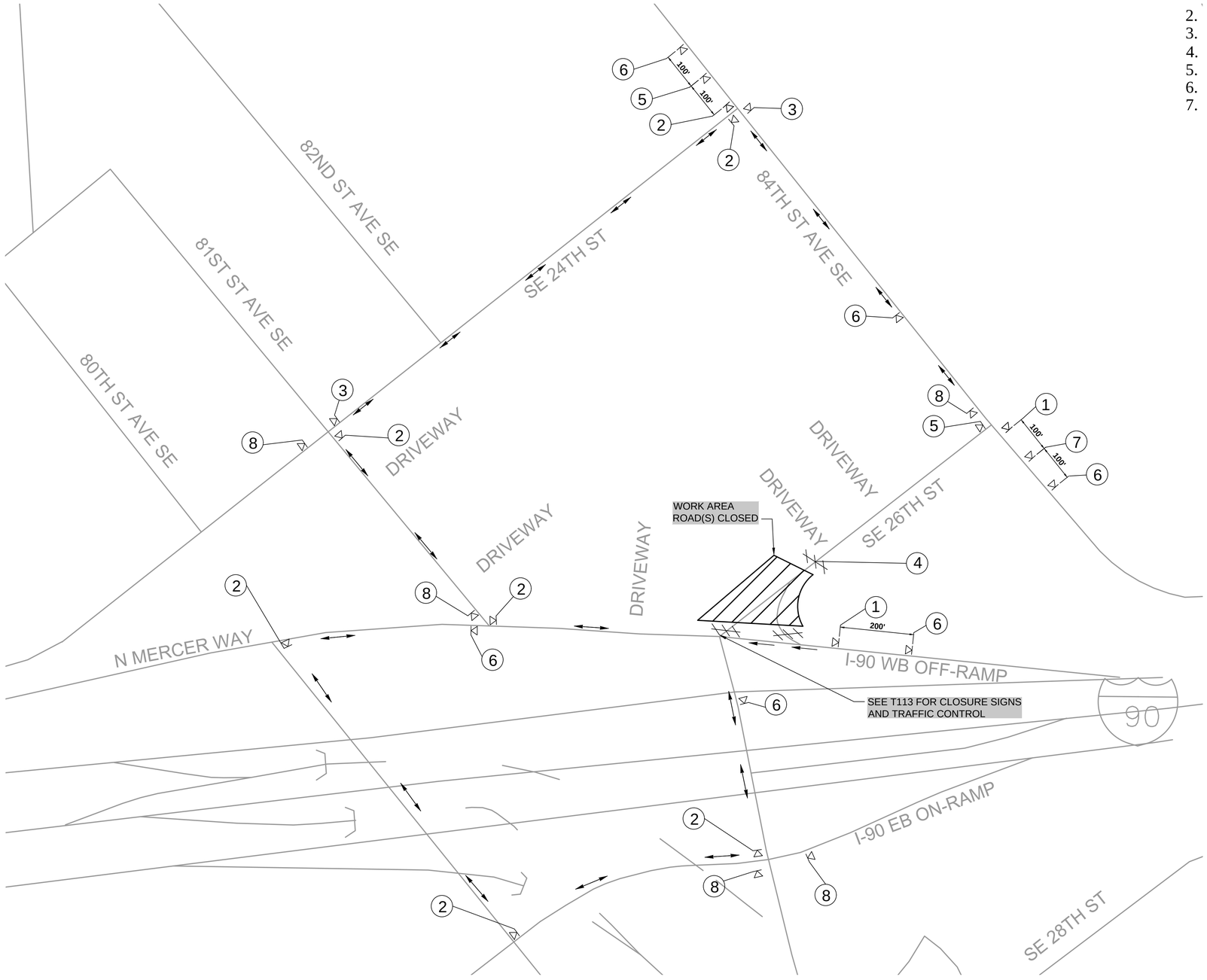
TRAFFIC DETOUR PLAN

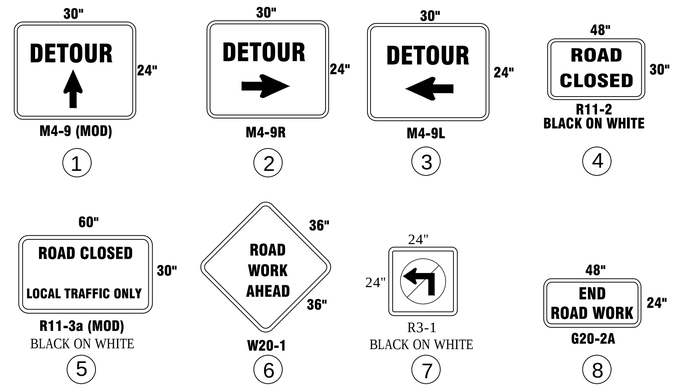
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T106
SHT NO / TOTAL	352 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-T106.dwg
PLOT DATE: 9/9/2019 7:31 PM
PLOTTED BY: D'Auria, Isaac

NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. NO FLAGGERS ARE TO BE USED.
3. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
4. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
5. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
6. THIS PLAN SHALL BE PLACE IN CONJUNCTION WITH T113.
7. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCES





FOR REFERENCE ONLY

LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DIRECTION OF TRAVEL
- TYPE III BARRICADE

NOT TO SCALE

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DIAL — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

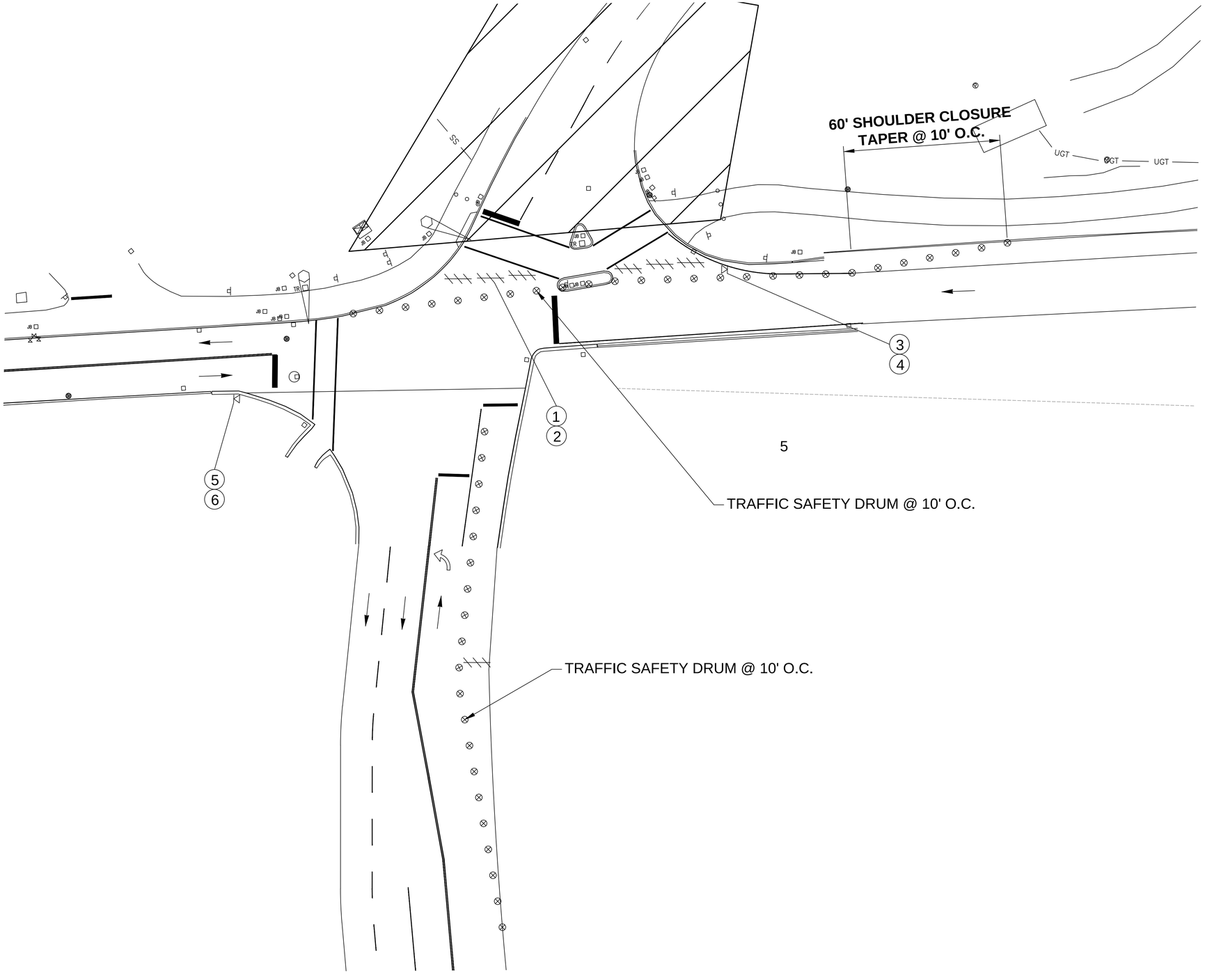
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

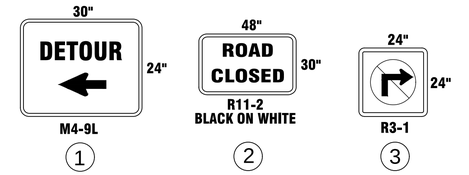
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T107
SHT NO / TOTAL	353 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-T107.dwg
PLOT DATE: 9/9/2019 7:31 PM
PLOTTED BY: D'Auria, Isaac



NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. NO FLAGGERS ARE TO BE USED.
3. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
4. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
5. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
6. THIS PLAN SHALL BE PLACE IN CONJUNCTION WITH T104.
7. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCES



FOR REFERENCE ONLY

LEGEND:

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- WORK ZONE
- DIRECTION OF TRAVEL
- TYPE III BARRICADE

0 20 40 60
SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-T108.dwg
PLOT DATE: 9/9/2019 7:32 PM
PLOTTED BY:D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE J. DAILY
STATE OF WASHINGTON
36097
REGISTERED
PROFESSIONAL ENGINEER

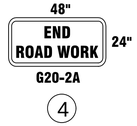
DESIGNED/DRAWN: S. ARANA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

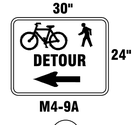
King County

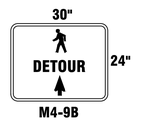
DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T108
SHT NO / TOTAL	354 / 438
REV NO:	

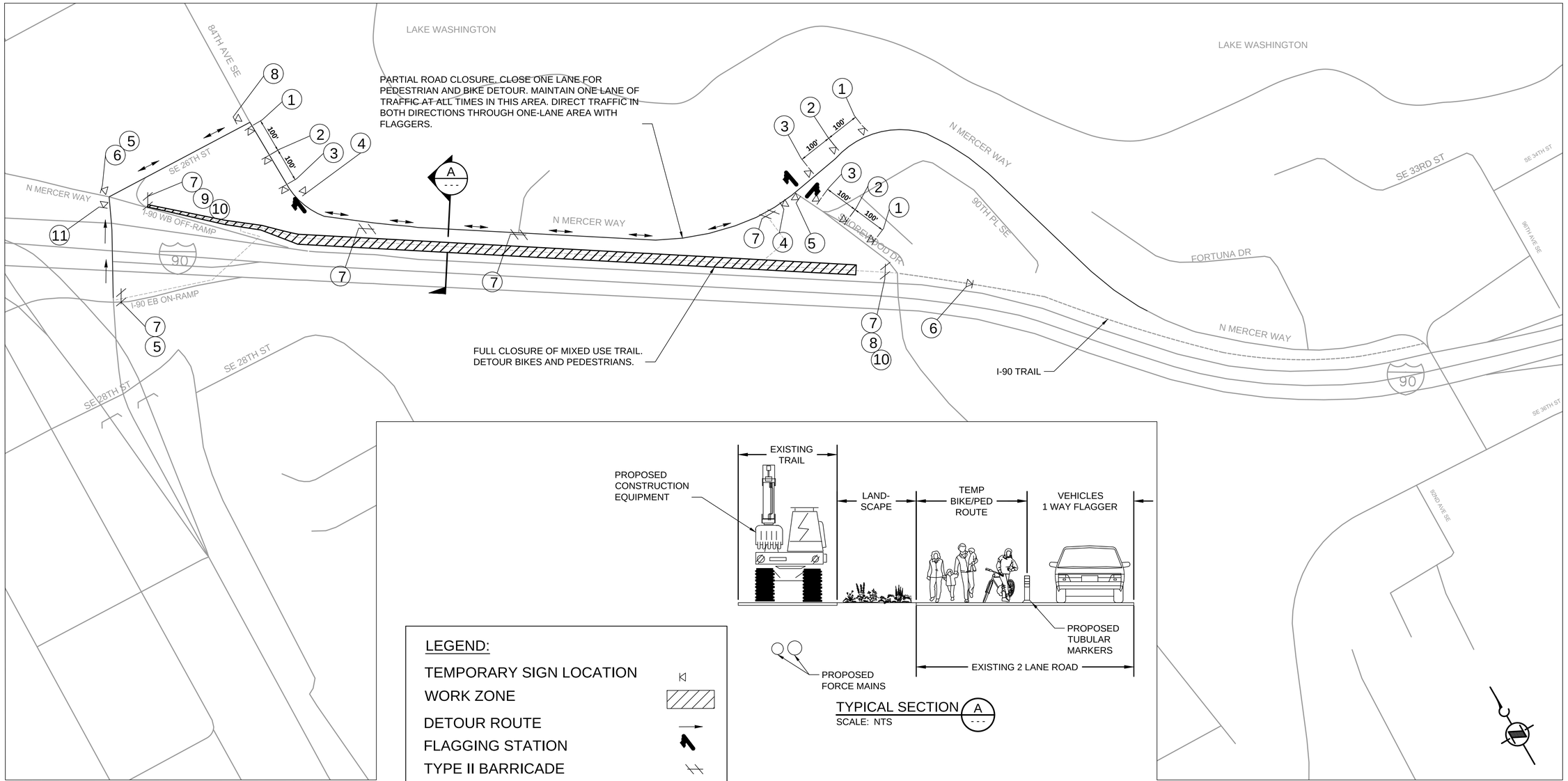






NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
3. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
4. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
5. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.
6. INSTALL FLAGGING OPERATION PER WSDOT STANDARD PLAN TC-1



TYPICAL SECTION A
SCALE: NTS

LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DETOUR ROUTE
- FLAGGING STATION
- TYPE II BARRICADE

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DIAZ — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

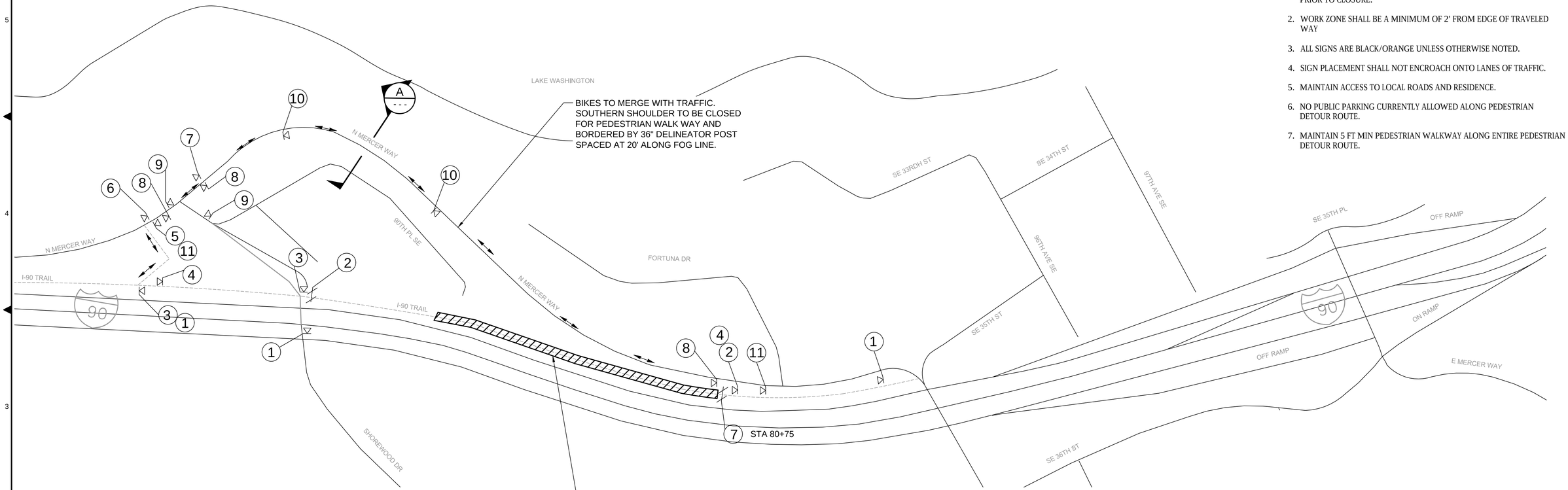
TRAFFIC DETOUR PLAN

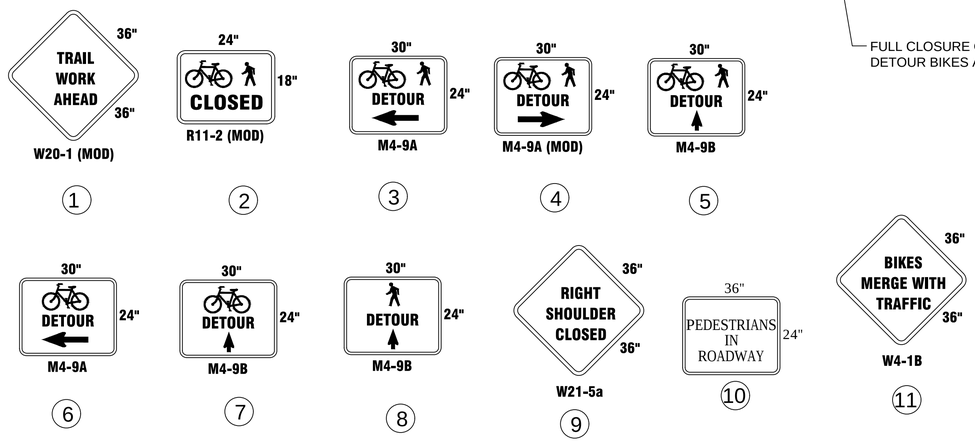
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T109
SHT NO / TOTAL	355 / 438
REV NO:	

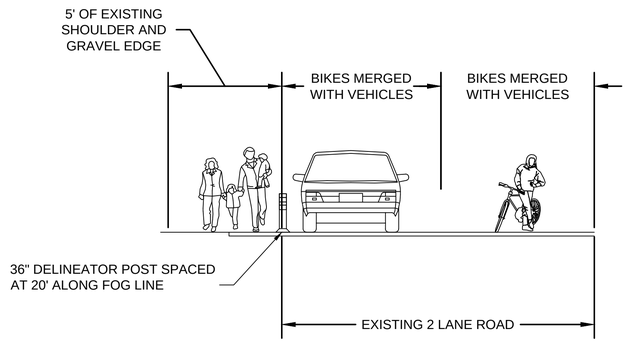
BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WX67200\700CADD\702CIVIL\E00306E13-PIPE-T109.dwg
PLOT DATE: 9/9/2019 7:32 PM
PLOTTED BY: D'Auria, Isaac

NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
3. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
4. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
5. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.
6. NO PUBLIC PARKING CURRENTLY ALLOWED ALONG PEDESTRIAN DETOUR ROUTE.
7. MAINTAIN 5 FT MIN PEDESTRIAN WALKWAY ALONG ENTIRE PEDESTRIAN DETOUR ROUTE.







TYPICAL SECTION A
SCALE: NTS

LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DETOUR ROUTE
- TYPE II BARRICADE

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DIAL — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

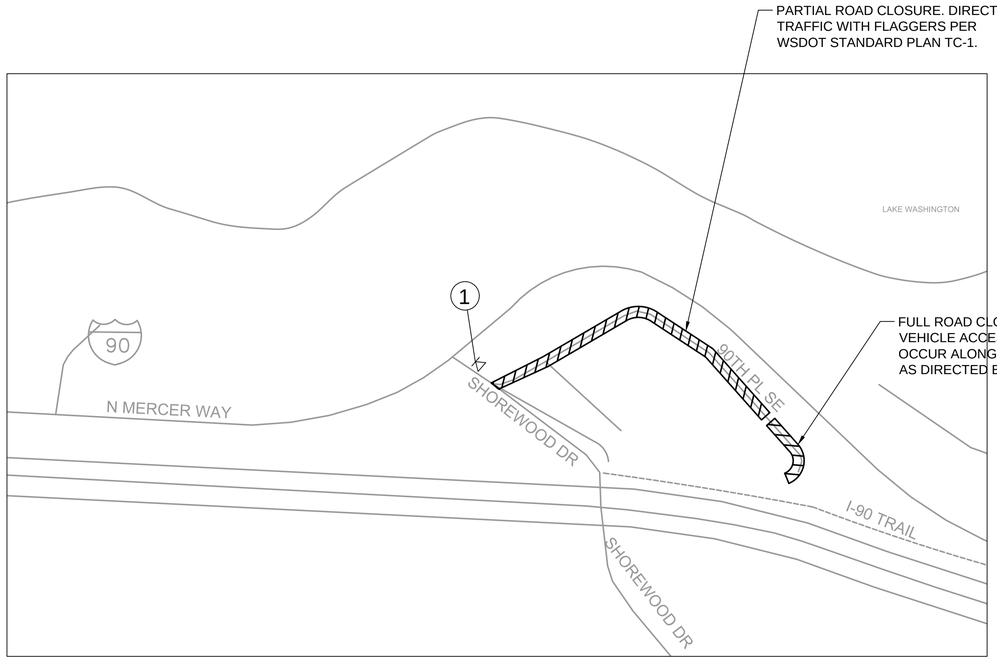
TRAFFIC DETOUR PLAN

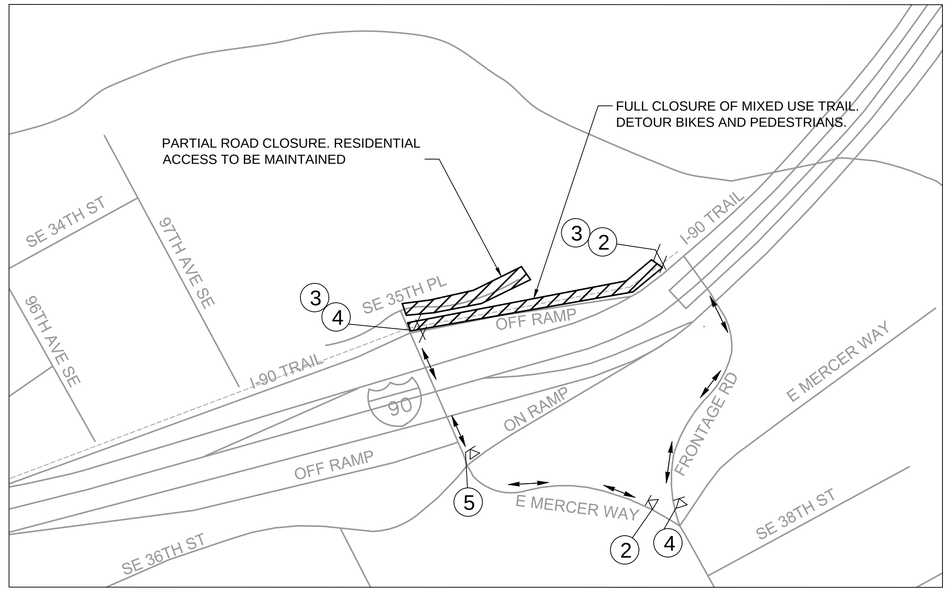
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T110
SHT NO / TOTAL	356 / 438
REV NO:	

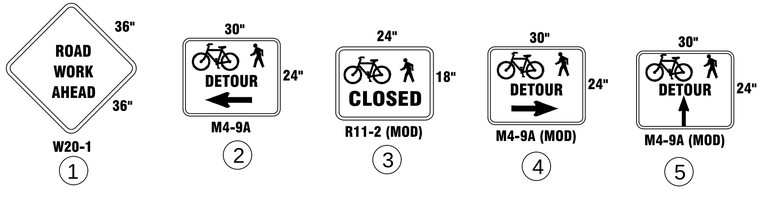
BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-T110.dwg
PLOT DATE: 9/16/2019 5:18 PM
PLOTTED BY: Nelson, Ben

NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
3. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
4. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
5. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.







LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DETOUR ROUTE
- TYPE III BARRICADE
- TYPE II BARRICADE

FOR REFERENCE ONLY

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DALAY — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

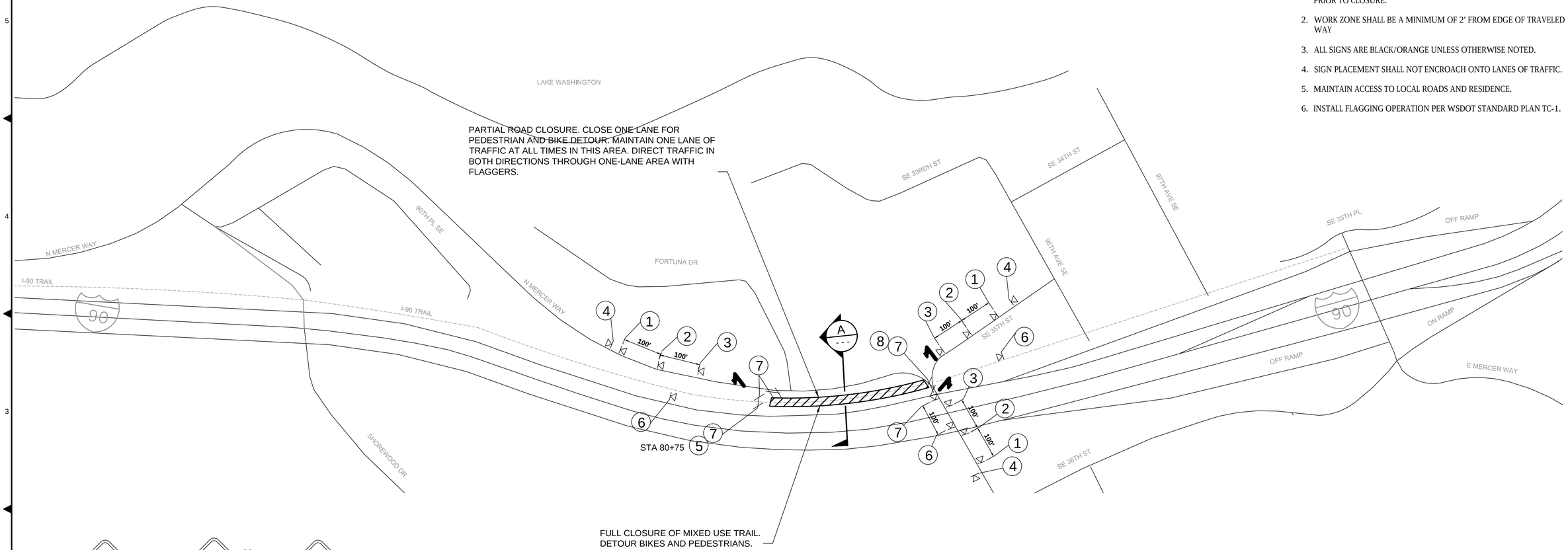
TRAFFIC DETOUR PLAN

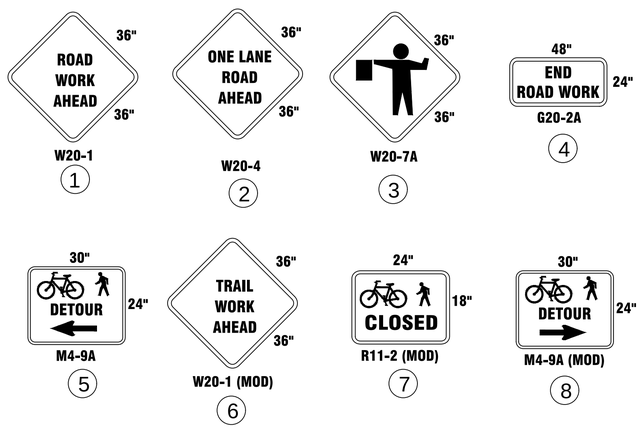
DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T111
SHT NO / TOTAL	357 / 438
REV NO:	

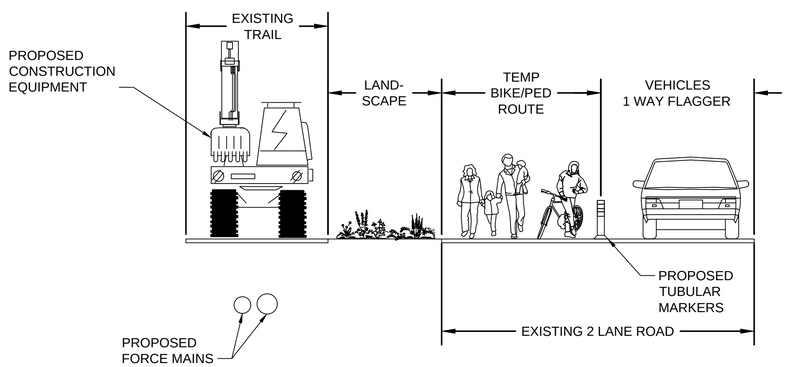
BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\WJX67200\700CADD\702CIVIL\E00306E13-PIPE-T111.dwg
PLOT DATE: 9/9/2019 7:32 PM
PLOTTED BY: D'Auria, Isaac

NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
3. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
4. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
5. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.
6. INSTALL FLAGGING OPERATION PER WSDOT STANDARD PLAN TC-1.







TYPICAL SECTION A
SCALE: NTS

FOR REFERENCE ONLY

LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DETOUR ROUTE
- FLAGGING STATION
- TYPE II BARRICADE

NOT TO SCALE

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DIAZ — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

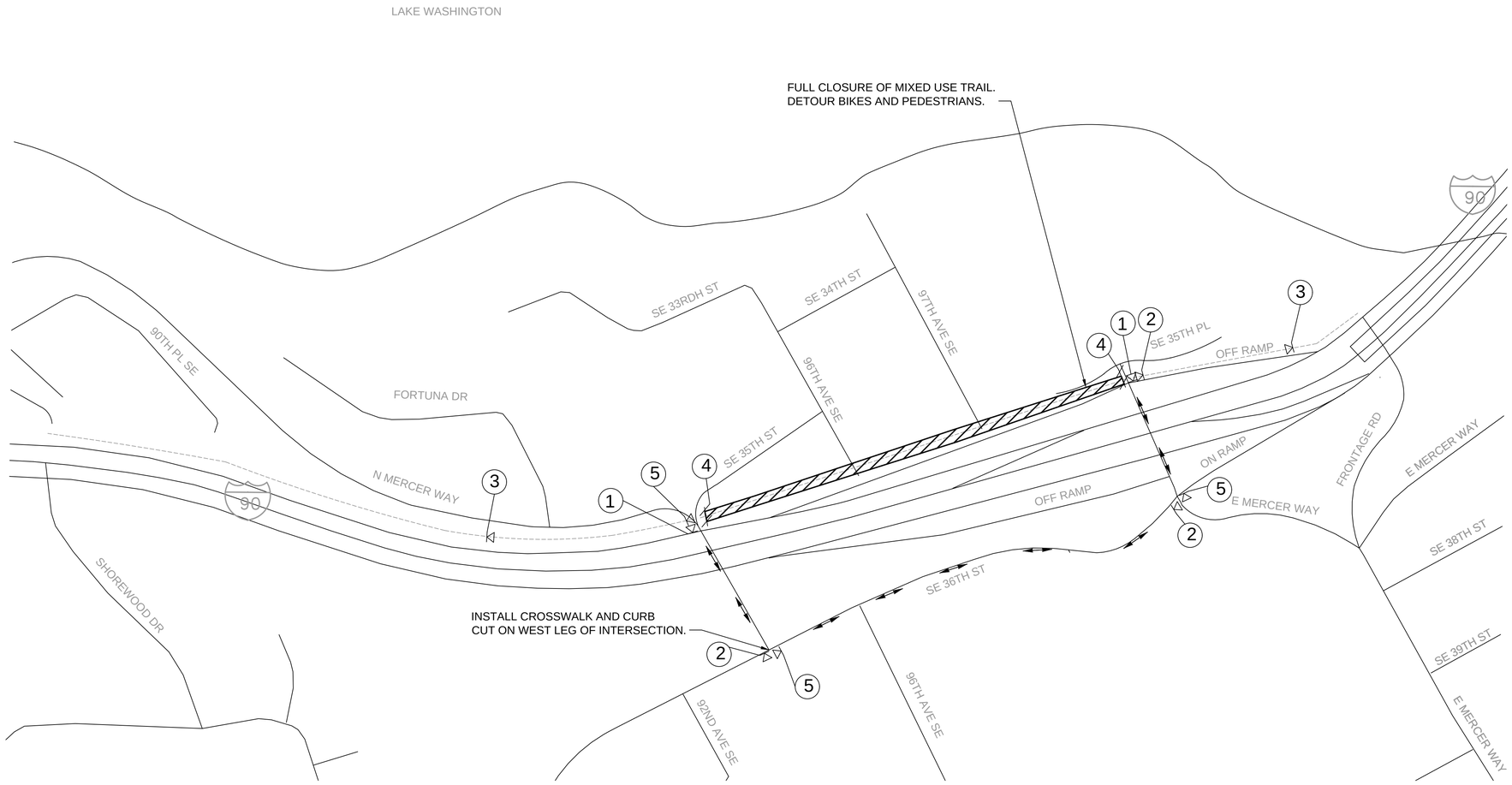
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T112
SHT NO / TOTAL	358 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION: P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-T112.dwg
PLOT DATE: 9/9/2019 7:32 PM
PLOTTED BY: D'Aurio, Isaac



NOTES:

1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
2. NO FLAGGERS ARE TO BE USED.
3. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
4. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
5. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
6. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.
7. INSTALL FLAGGING OPERATION PER WSDOT STANDARD PLAN TC-1.

48" × 24"
END ROAD WORK
G20-2A
(1)

30" × 24"
DETOUR
M4-9A
(2)

36" × 36"
TRAIL WORK AHEAD
W20-1 (MOD)
(3)

24" × 18"
CLOSED
R11-2 (MOD)
(4)

30" × 24"
DETOUR
M4-9A (MOD)
(5)

FOR REFERENCE ONLY

LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- DIRECTION OF TRAVEL
- TYPE II BARRICADE

NOT TO SCALE

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DIJAY — STATE OF WASHINGTON — 36097 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED/DRAWN: S. ARANA	SCALE: NTS
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

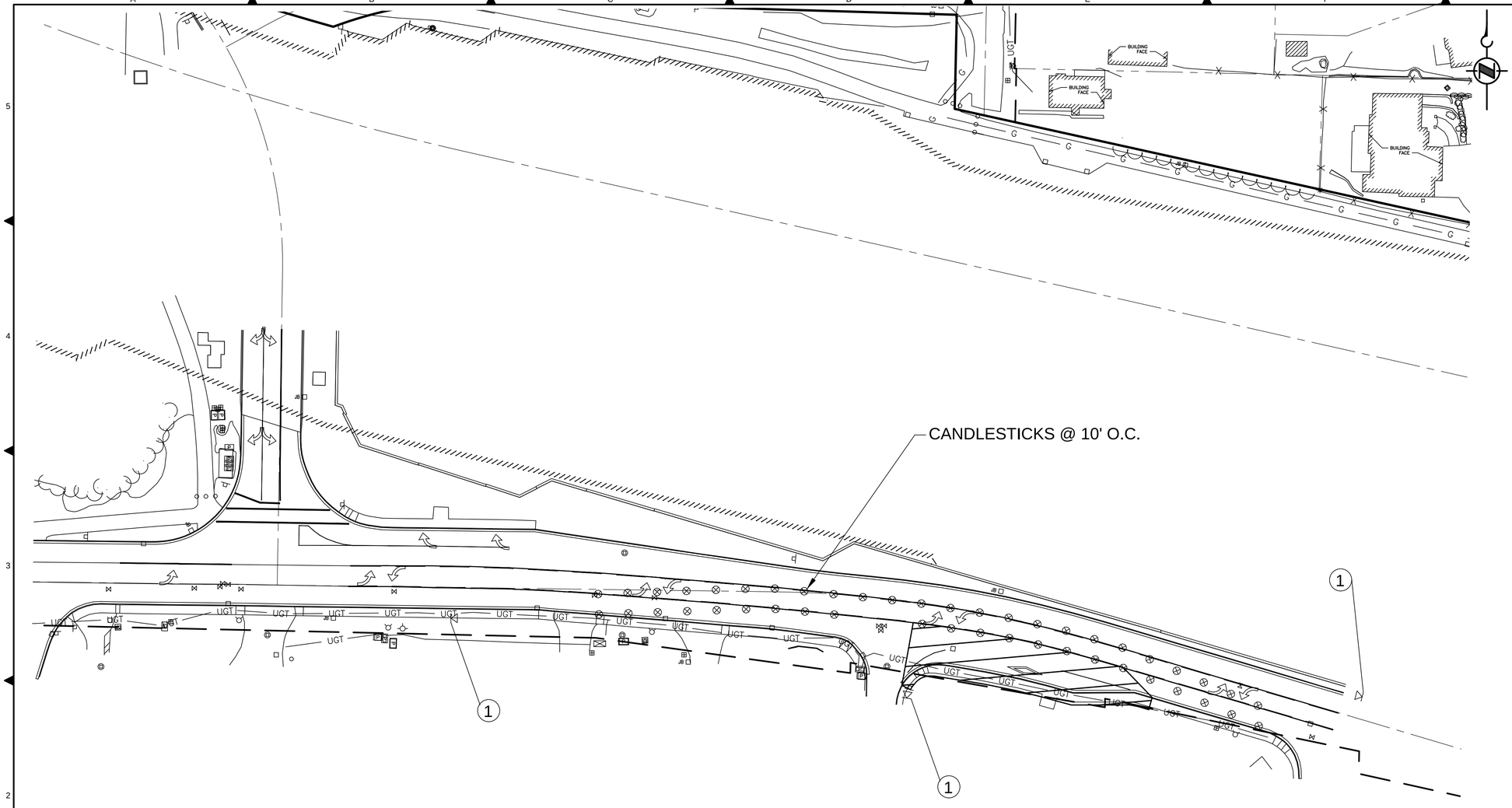
King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T113
SHT NO / TOTAL	359 / 438
REV NO:	

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\W3X67200\700CADD\702CIVIL\E00306E13-PIPE-T113.dwg
PLOT DATE: 9/9/2019 7:32 PM
PLOTTED BY: D'Auria, Isaac



NOTES

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5. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
6. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCES

W20-1

1

G20-2A

2

LEGEND:

TRAFFIC SAFETY DRUM ⊗

WORK ZONE

DIRECTION OF TRAVEL →

TEMPORARY SIGN LOCATION

FOR REFERENCE ONLY

0 20 40 60

SCALE IN FEET

BORDER FILE EDITION: KCWTD-2012-Dsize-TB-Border
FILE LOCATION:P:\WJX67200\700CADD\702CIVIL\E00306E13-PIPE-T117.dwg
PLOT DATE: 9/9/2019 7:33 PM
PLOTTED BY: D'Auria, Isaac

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH
JACOBS

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

JEANNETTE A. DALAY
STATE OF WASHINGTON
36097
REGISTERED
PROFESSIONAL ENGINEER

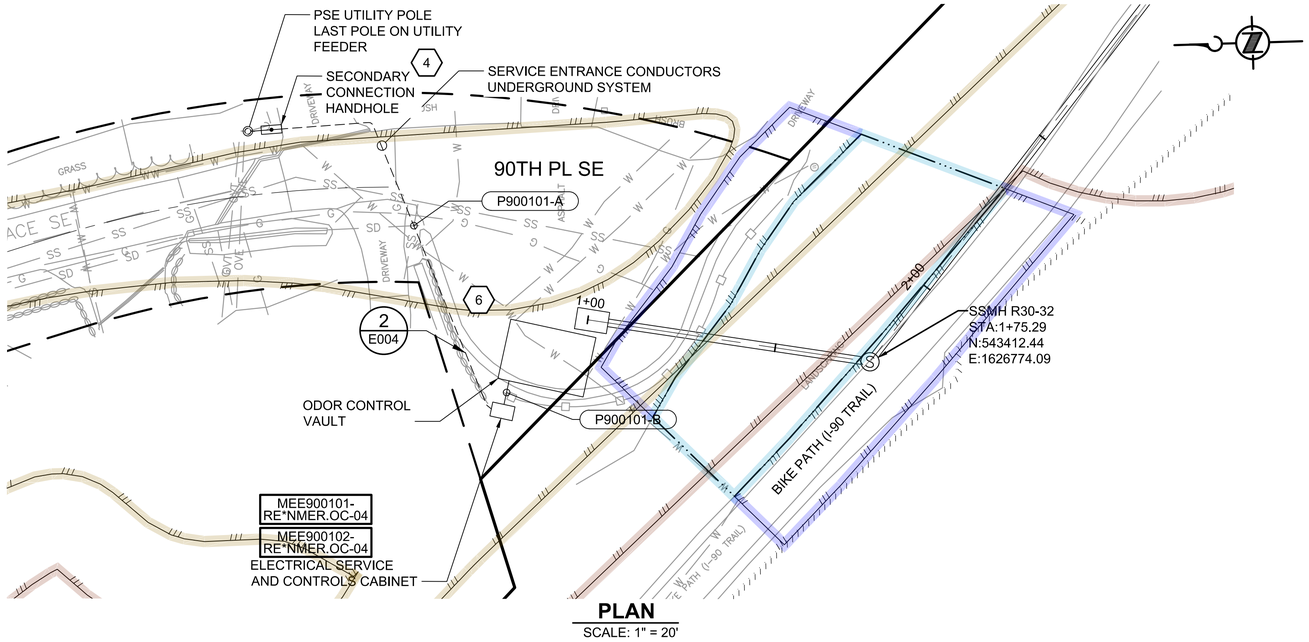
DESIGNED/DRAWN: S. ARANA	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	REFERENCE 0 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

TRAFFIC DETOUR PLAN

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	T117
SHT NO / TOTAL	363 / 438
REV NO:	

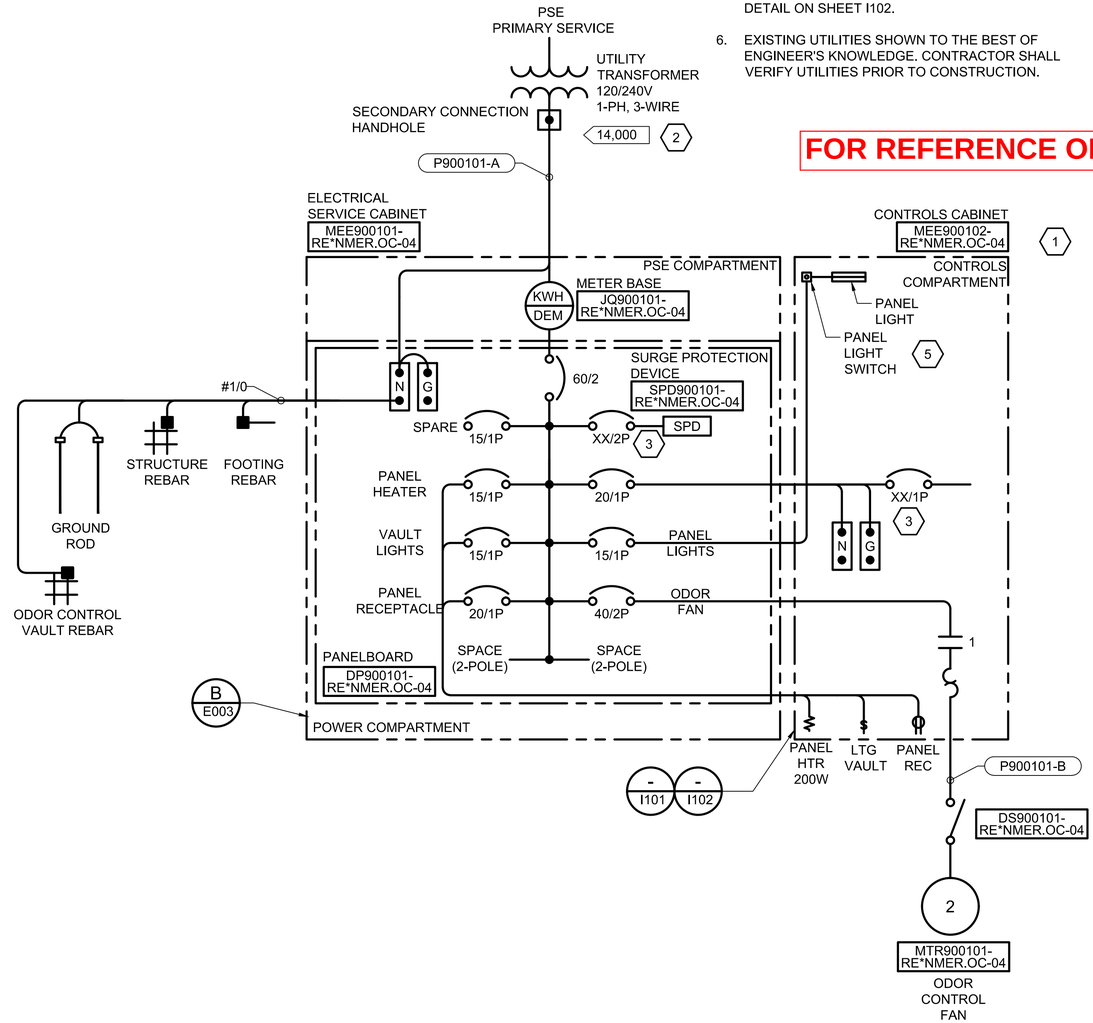


PLAN
SCALE: 1" = 20'

KEY NOTES:

1. PANEL TO BE BUILT AND LABELED AS: "SERVICE ENTRANCE RATED". DESIGNED TO "EUSERC" STANDARD PER PSE REQUIREMENTS.
2. BASED ON PSE'S ELECTRICAL SERVICE HANDBOOK- JUNE 2019, FOR 37.5KVA SINGLE WINDING, POLE MOUNTED TRANS- FORMER, 120/240 VOLT SERVICE. VERIFY AVAILABLE FAULT CURRENT WITH PSE. COORDINATE WITH PSE TO OBTAIN CORRECT "AFC" PRIOR TO EQUIPMENT SUBMITTAL.
3. SIZED BY INTEGRATOR.
4. SERVICE POINT, COORDINATE WITH PSE ON DETAILS.
5. PANEL LIGHTS AND SWITCH ARE SHOWN IN MORE DETAIL ON SHEET I102.
6. EXISTING UTILITIES SHOWN TO THE BEST OF ENGINEER'S KNOWLEDGE. CONTRACTOR SHALL VERIFY UTILITIES PRIOR TO CONSTRUCTION.

FOR REFERENCE ONLY



ELECTRICAL ONE-LINE DIAGRAM

DP900101	PANEL SCHEDULE	PROJECT: TT #135-12539-18001 NM/E - PACKAGE B
120/240V, 1Ph, 3W.	100A BUS	60A M.C.B. SURFACE MOUNTED 26-Sep-19

CKT NO	DESCRIPTION/ LOCATION	LOAD (VA)	LOAD TYPE	CB AMP	CB POLE	PHASE	CB AMP	CB POLE	LOAD (VA)	LOAD TYPE	DESCRIPTION/ LOCATION	CKT NO
1	SPARE			15	1	a	20	2	0	N	SURGE PROTECTION DEVICE	2
3	PANEL HEATER	200	H	15	1	b	—	---	0	N	----	4
5	SPARE			20	1	a	20	1	1,500	G	CONTROL CABINET	6
7	LTG - VAULT	148	L	15	1	b	20	1	40	L	LTG - CONTROL CABINET	8
9	SPARE			20	1	a	40	2	1,440	LM	ODOR CONTROL FAN	10
11	REC - PANEL	180	R	20 (1)	1	b	—	---	1,440	LM	----	12
13	SPACE					a					SPACE	14
15	SPACE					b					SPACE	16
17	SPACE					a					SPACE	18

TOT CONN LOAD:	Ph A	2,940 VA	25 A	
TOT CONN LOAD:	Ph B	2,008 VA	17 A	
TOT CONN LOAD:		0 VA	0 A	
"MAX" PHASE CONN LOAD:	Ph A	2,940 VA		
TOTAL CONNECTED LOAD (3 X MAX):		5.9 KVA	24.5 AMPS	TOTAL DEMAND LOAD: 5.7 KVA 23.8 AMPS

LOAD TYPE KEY		CONNECTED LOADS	SUBFED LOADS	TOTAL LOADS	DEMAND FACTOR	DEMAND LOAD
G	GENERAL (NON-CONT)	1,500		1,500	100%	1,500
L	LIGHTING	188		188	125%	235
R	RECEPTACLES - TO 10 KVA	180		180	100%	180
	OVER 10 KVA			0	50%	0
K	KITCHEN	0		0	100%	0
H	HEATING	200		200	100%	200
M	MOTORS	0		0	100%	0
LM	LARGEST MOTOR	2,880		2,880	125%	3,600
WH	WATER HEATER	0		0	100%	0
C	CONTINUOUS GENERAL LOAD	0		0	125%	0
N	NON-COINCIDENT	0		0	0%	0
				0	0%	0
				0	0%	0
				0	0%	0
TOTALS		4,948 VA	0 VA	4,948 VA		5,715 VA

ACCESSORIES
(1) GFCI CIRCUIT BREAKER

NO	REVISION DESCRIPTION	BY	APVD	DATE

TETRA TECH

PRELIMINARY ISSUE DRAWING
INFORMATION ONLY
DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: R. FRITCH	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

ODOR CONTROL UNIT 90TH PLACE SE ELEC PLAN/ONE LINE/CALCS

DCN:	TBD
DATE:	SEPT, 2019
PROJECT FILE NO:	TBD
DRAWING NO:	E101
SHT NO / TOTAL	/
REV NO:	

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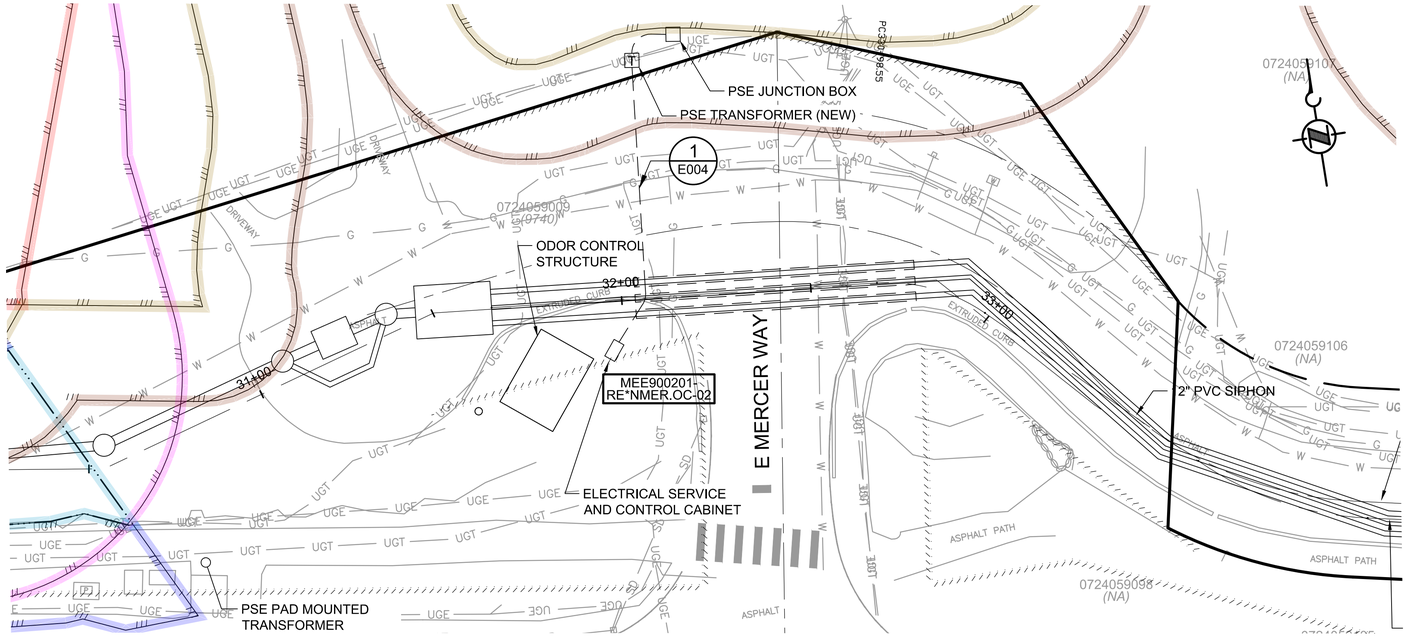
PLOTTED BY: Morris, Richard



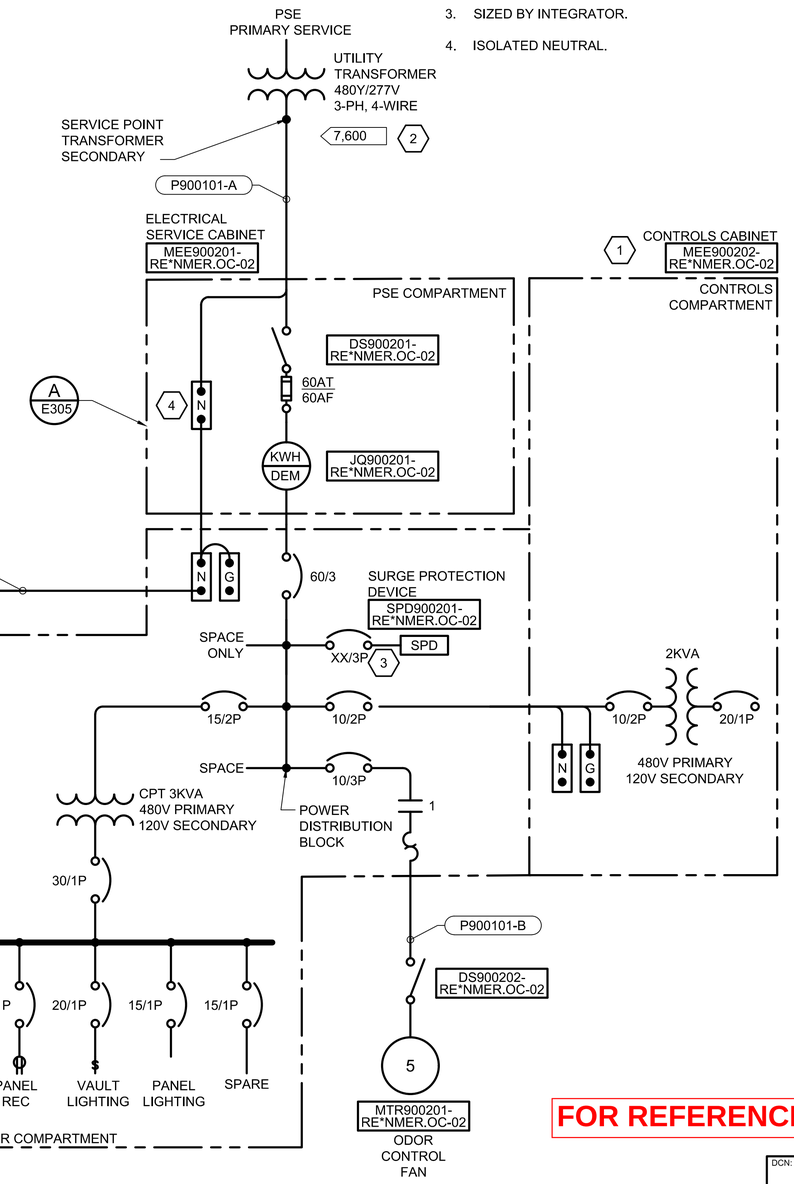
PLAN
SCALE: 1" = 20'

ODOR CONTROL STRUCTURE - SE 35TH PL. - LOAD CALCULATION

EQUIP. NO.	LOAD DESCRIPTION	PHASE	VOLTS	HP/KVA	CONNECTED AMPS	CONNECTED KVA	DEMAND AT 480 V, 3-PH FACTOR	DEMAND AT 480 V, 3-PH KVA	DEMAND AT 480 V, 3-PH AMPS
	ODOR CONTROL FAN (HP)	3	480	5.0	7.6	6.3	1.25	7.9	9.5
	CONTROL CABINET (KVA)	1	480	2.0	4.2	2.0	1.00	2.0	4.2
	CONTROL POWER TRANSFORMER	1	480	3.0	6.3	3.0	1.00	3.0	6.3
	TOTALS @	3	480		18	11		12.9	19.9
							DEMAND AMPS REFLECTS 3-PH LOADS @ 480V		

KEY NOTES:

1. PANEL TO BE BUILT AND LABELED AS: "SERVICE ENTRANCE RATED". DESIGNED TO "EUSERC" STANDARDS PER PSE REQUIREMENTS.
2. BASED ON PSE'S ELECTRICAL SERVICE HANDBOOK - JUNE 2017, FOR 45KVA, PADMOUNT, 480Y/277 VOLT SERVICE. VERIFY AVAILABLE FAULT CURRENT WITH PSE. COORDINATE WITH PSE TO OBTAIN CORRCT "AFC" PRIOR TO EQUIPMENT SUBMITTAL.
3. SIZED BY INTEGRATOR.
4. ISOLATED NEUTRAL.



FOR REFERENCE ONLY

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DRAFT
MERCER ISLAND LAND USE SET
SEPTEMBER 2019

DESIGNED/DRAWN: R. FRITCH	SCALE: AS NOTED
PROJECT ENGINEER: J. CHAE	0 REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER: TBD
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DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER ISLAND INTERCEPTOR AND ENATAI INTERCEPTOR UPGRADE

ODOR CONTROL UNIT EAST CHANNEL SIPHON INLET ELEC PLAN/ONE LINE/CALCS

DCN:	TBD
DATE:	
PROJECT FILE NO:	TBD
DRAWING NO:	E201
SHT NO / TOTAL	/
REV NO:	

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PLOTTED BY: Morris, Richard