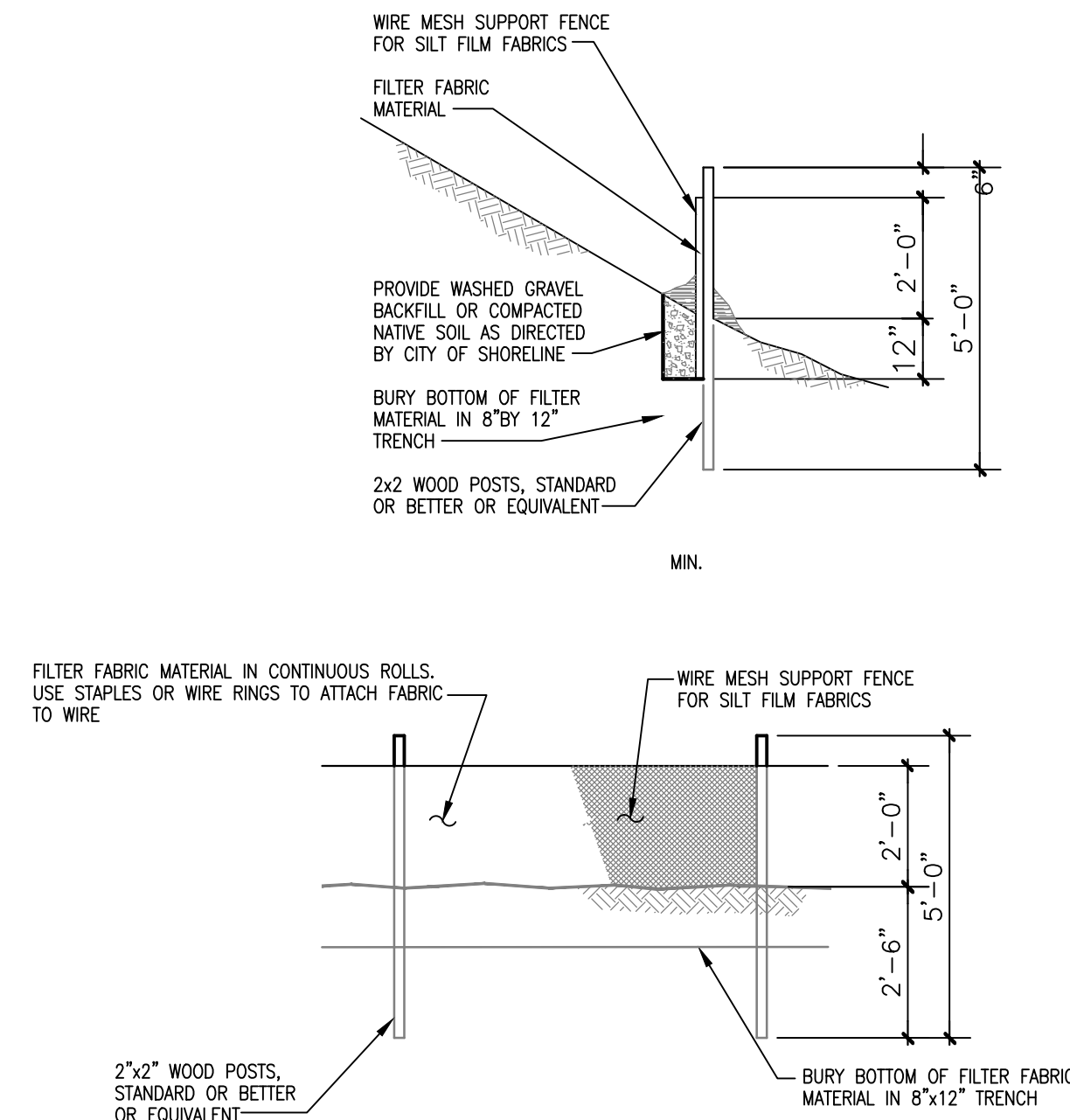
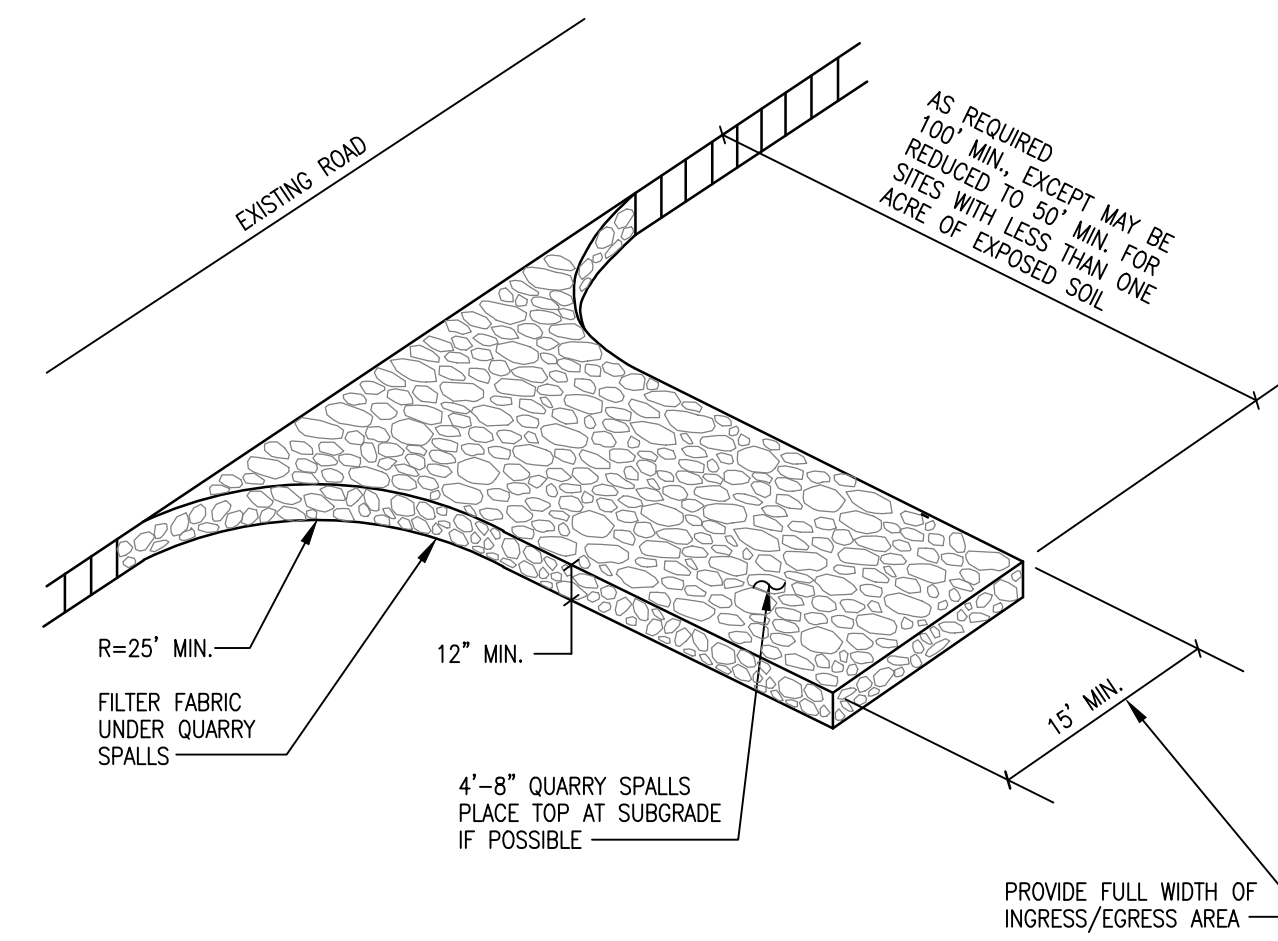


- NOTES**
1. INSERT SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
  2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES HALF FULL .
  3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.

**CATCH BASIN INLET PROTECTION INSERT**  
NTS



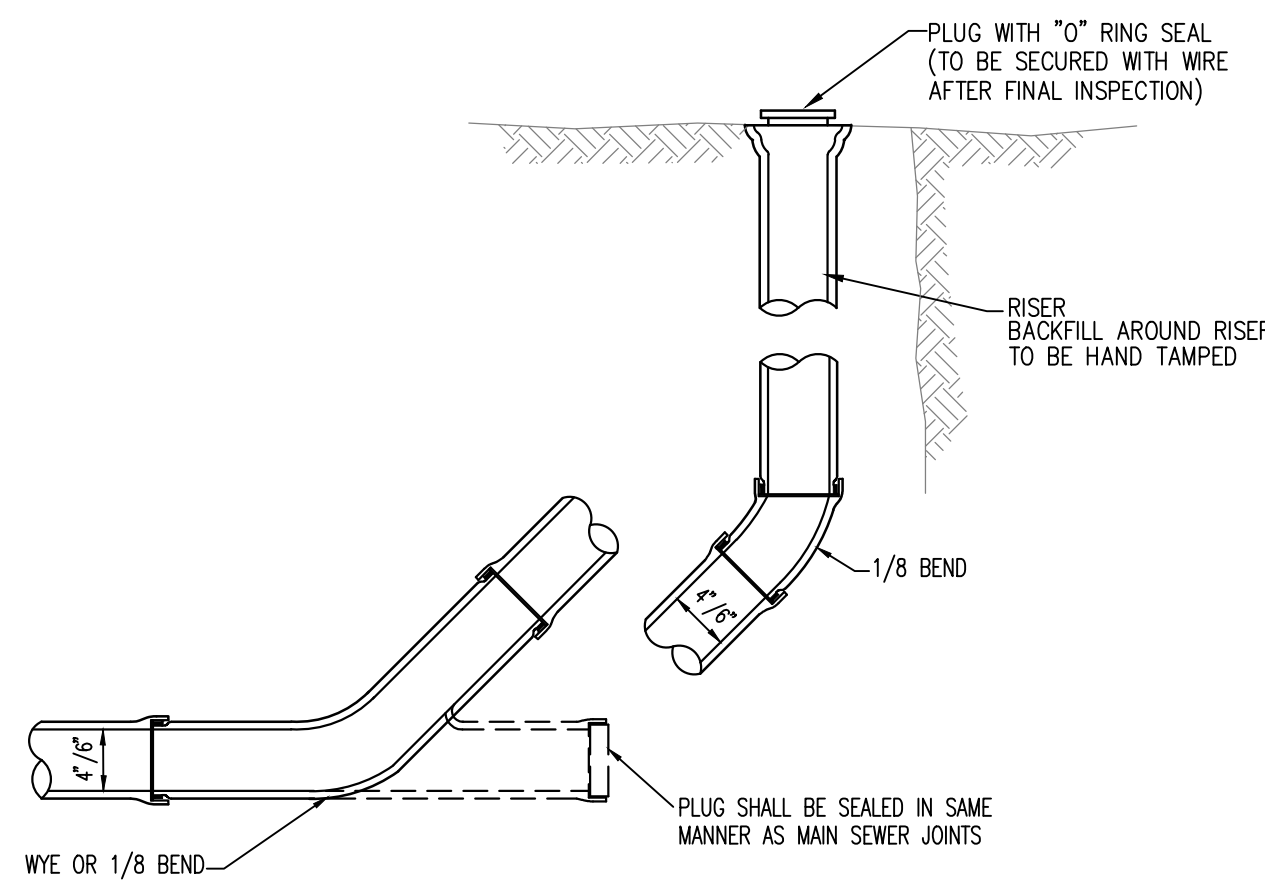
**SILT FENCE**  
NO SCALE



**STABILIZED CONSTRUCTION ENTRANCE**  
NO SCALE

**NOTES:**

1. STONE SIZE - USE 4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN 12"
4. WIDTH - 15 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



- NOTE:**
1. FOR SIDE SEWER AND SERVICE DRAINS ON UNPAVED AREA.

**CLEANOUT DETAILS**  
NTS

REVISION	
NO.	
DATE	

**C2MY**  
C2MY ENGINEERS, LLC  
PO BOX 52883  
BELLEVUE, WA 98015  
(206) 922-9316  
cmchin@c2my.com

**DATE:** 09-11-24

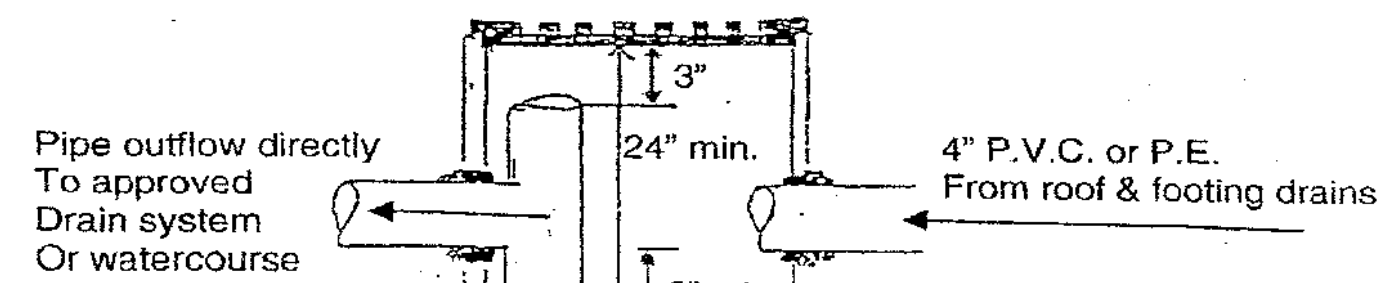
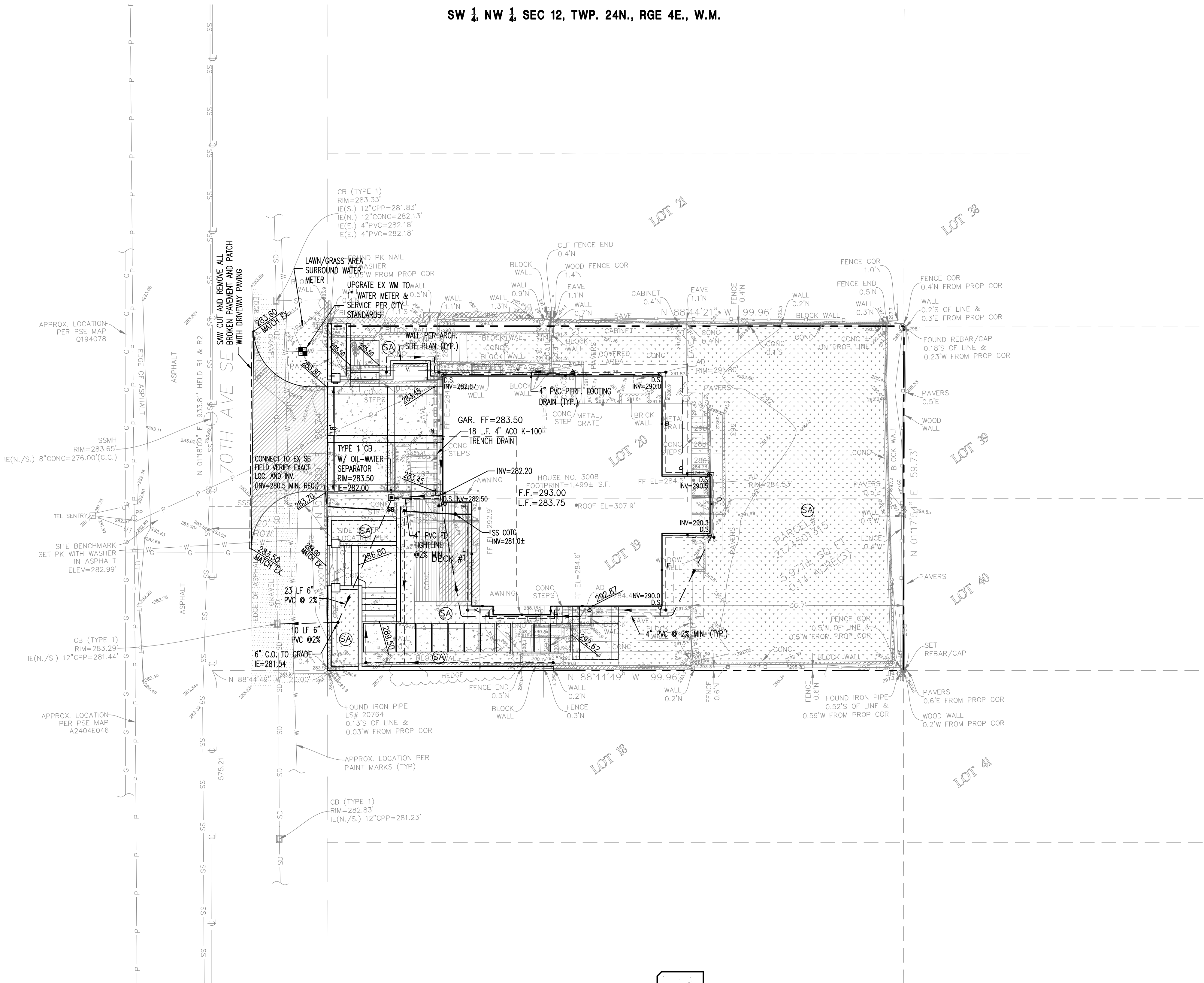
**PROJECT:** DANN RESIDENCE  
3008 10TH AVENUE SE  
MERCER ISLAND, WA 98040

**TESC AND DRAINAGE DETAILS**

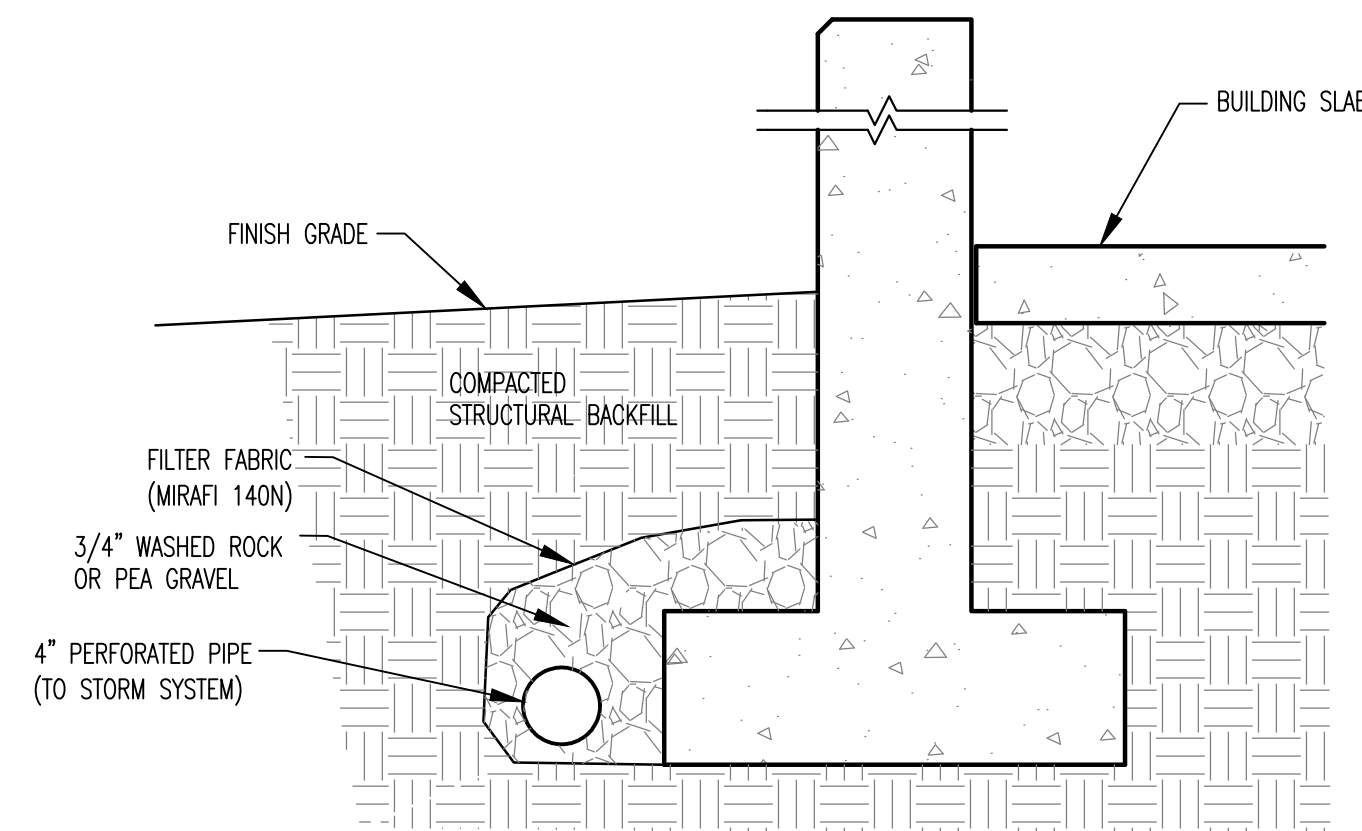
**FILE NO:**  
2405  
DWS

**SHEET**  
C1.1

SW 1/4, NW 1/4, SEC 12, TWP. 24N., RGE 4E., W.M.



Catch Basin with Oil Separator



FOOTING DRAIN DETAILS

**SOIL AMENDMENT NOTE:**

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP 15.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.

**SIDE SEWER NOTE:**

THE TV INSPECTION OF THE EXISTING SIDE SEWER TO THE CITY SEWER MAIN IS REQUIRED. IF THE RESULT OF THE TV INSPECTION IS NOT IN SATISFACTORY CONDITION, AS DETERMINED BY THE CITY OF MERCER ISLAND INSPECTOR, THE REPLACEMENT OF THE EXISTING SIDE SEWER IS REQUIRED.

**SITE IMPERVIOUS AREA SUMMARY:**

EXISTING LOT AREA = 5,971 S.F.  
 EXISTING BUILDING ROOF = 2,129 S.F.  
 EXISTING DRIVEWAY = 294 S.F.  
 EXISTING WALKWAY = 674 S.F.  
 TOTAL EXISTING HARD SURFACES AREA = 3,169 S.F.  
 EXISTING IMPERVIOUS IS 53.1% > 35% (REDEVELOPMENT FLOW CHART)

PROPOSED DRIVEWAY WITHIN ROW = 279 S.F.  
 PROPOSED DRIVEWAY WITHIN PROPERTY = 363 S.F.  
 PROPOSED WALKWAY = 418 S.F.  
 PROPOSED BUILDING ROOF = 1,833 S.F.  
 PROPOSED DECK = 168 S.F.  
 TOTAL NEW HARD SURFACES AREA = 2,782 S.F. < 5000 S.F.

PER FIGURE I-3.2 FLOW CHART FOR DETERMINING REQUIREMENT FOR REDEVELOPMENT: MINIMUM #1 TO #5 APPLIED TO NEW AND REPLACED HARD SURFACES AND THE LAND DISTURBED

NET DECREASE IN IMPERVIOUS AREA ON-SITE = 387 S.F.

**LEGEND**

- EX. SANITARY SEWER
- EX. WATER LINE
- EX. STORM DRAIN
- CONCRETE DRIVEWAY
- SOIL AMENDMENT-SA
- SAW CUT LINE
- ROOF DRAIN TIGHTLINE WITH C.O.T.G.(4" PVC)
- FOOTING DRAIN
- W/ CLEANOUT TO GRADE (C.O.T.G.)

**NOTES:**

1. SEE ARCHITECTURE SITE PLAN FOR OTHER PROPOSED INFORMATION NOT SHOWN ON THIS SHEET.

**DRAINAGE GENERAL NOTES:**

1. DOWNSPOUTS SHALL BE TIED INTO A NON-PERFORATED, RIGID, SMOOTH-BORE PIPE WHICH DRAINS TO AN APPROVED STORM SYSTEM
2. PROVIDE CLEANOUTS AT THE UPPER END OF THE SYSTEM AND AT EACH CUMULATIVE CHANGE OF DIRECTION IN EXCESS OF 135 DEGREES.
3. ALL PIPE FITTINGS SHALL BE MADE OF THE SAME MATERIAL AS THE STRAIGHT PIPE. GLEED JOINTS SHALL USE A BONDING AGENT RECOMMENDED BY THE PIPE MANUFACTURER.
4. FOOTING DRAINS SHALL BE INSTALLED AROUND ALL NEW FOUNDATIONS AND SHALL BE TIGHTLINED TO DISCHARGE TO THE SPLASH BLOCK. FOOTING DRAINS SHALL BE CONSTRUCTED OF PERFORATED PIPE AT THE BASE OF THE FOOTING, AND SHALL MEET MATERIAL STANDARDS OF D2729 FOR PVC PIPE, WITH THE PERFORATIONS DIRECTED DOWNWARD. PLACE GRANULAR BACKFILL AROUND AND ABOVE THE FOOTING DRAIN TO A DEPTH OF 2/3 OF THE WALL HEIGHT. PROVIDE FILTER FABRIC WRAP AROUND BETWEEN THE GRANULAR BACKFILL AND THE NATIVE SOIL.

**BENCHMARK AND DATUM PER SURVEY**

NAD 83(2011) WASHINGTON NORTH STATE PLANE COORDINATES PER GPS OBSERVATIONS  
 NAVD 88 PER GPS OBSERVATIONS

NO.	DATE	REVISION
1	06-28-2024	REVISED PER CITY COMMENTS



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DATE:  
 09-11-24

PROJECT: **DANN RESIDENCE**  
**3008 10TH AVENUE SE**  
**MERCER ISLAND, WA 98040**  
**Paving, Grading, Drainage Plan**

FILE NO:  
 2409  
 DW5

SHEET  
 C2.0



Know what's below.  
 Call before you dig.

