INSTALL 24" PUMP STRUCTURE, 7' DEPTH PER DETAIL BELOW.
DUAL SUMP-PUMP SYSTEM CONNECTED TO PERMANENT POWER, WITH A BACKUP GENERATOR. PUMPS SHALL BE SUPERIOR PUMP PRE-ASSEMBLED DUAL SYSTEM, OR APPROVED EQUAL. MINIMUM DIAMETER OF STRUCTURE TO ACCOUNT FOR TWO PUMPS, AND DEPTH TO BE SUFFICIENT TO RECEIVE OUTFLOW PIPE FROM OUTFLOW STRUCTURE THAT IS LAID AT MIN 1%.

RIM: 314.75'
IE 6" (W): 308.50'
IE 4" (N): 313.65'

CB (TYPE 1)
RIM=314.55'
IE 4"PVC(E.)=313.30'
IE 4"PVC(W.)=313.35'

CONNECT TO EXISTING CB
RIM=314.55'
IE 4"PVC(E)=313.30'
IE 4"PVC(W)=313.35'
IE 6"PVC(SW)=313.35

CONNECT LIFT STATION TO A 4" GRAVITY DRAIN, WHICH DRAINS TO THE EXISTING CATCH BASIN

7.5 LF 6" PVC

BACKUP GENERATOR TO AUTOMATICALLY ACTIVATE IF THERE IS A POWER OUTAGE

CONNECT 6" OUTFALL PIPE TO SUMP-PUMP STRUCTURE. FIELD VERIFY IE OF OUTFLOW FROM CONTROL STRUCUTRE, AND MAINTAIN MIN 1% SLOPE TO SUMP-PUMP STRUCTURE.

54" CONTROL STRUCTURE PER ATTACHMENT 1 DETAIL

60" CORRUGATED HDPE DETENTION SYSTEM PER ATTACHMENT 1 DETAIL

4" PVC MIN 1% SLOPE

CONNECT ROOF DOWNSPOUTS TO ROOF DRAIN

ROUTE ROOF DRAIN TO EXISTING DRAIN

ADJUST FINAL GRADE TO PROVIDE MIN. 1' COVER OVER DETENTION PIPE

DECK ADDITION
ADDING NET 453 SQFT
IMPERVIOUS SURFACE

PROPOSED ADDITION A
ADDING NET 93 SQFT
IMPERVIOUS SURFACE

PROPOSED ADDITION B
ADDING NET 119 SQFT
IMPERVIOUS SURFACE

ROUTE ROOF DOWNSPOUTS OF NEW DECK AND HOUSE ROOF TOWARDS ROOF DRAIN

HOUSE NO. 9150
FOOTPRINT=3,632 ±S.F.

PARCEL # 6672900150
25,145 ±SQ.FT.
0.58 ACRE(S)

PARCEL A LR 94-0036

PARCEL B LR 94-0036

FOUND IRON PIPE W/CAP LS# 20764 0.05'N OF LINE & 0.08'E FROM PROP COR

FOUND IRON PIPE W/CAP LS# 20764 0.10'NW OF LINE & .27'SW FROM PROP COR

FOUND REBAR 0.36'E OF LINE & 0.10'S FROM PROP COR

AD RIM=316.75' IE 4"PVC(E.) =315.85'

AD RIM=305.00' IE 4"PVC(W./SE.)=304.00'

SET REBAR/CAP AT PROP COR

N 84°00'00" E 218.17'

N 10°45'39" E 77.66'

N 71°48'39" E 132.23'

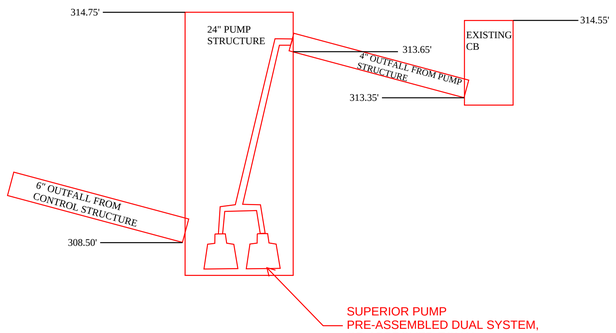
N 89°23'45" W 117.01'

N 18°46'19" W 0.60'

N 00°22'14" W 99.96'

Δ=40°10'20"

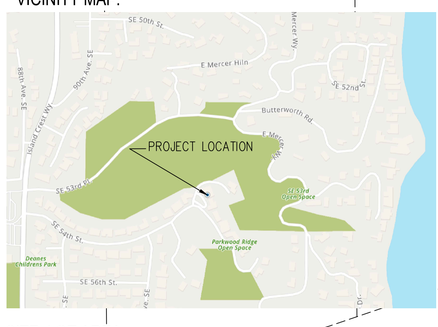
PUMP STRUCTURE DETAIL



A SITE PLAN
SCALE: 1"=10'

NORTH

VICINITY MAP:



SITE LOT AREA

LOT AREA: (0.58 ACRES) 25,145 S.F.

ALEX P. LUPULYAK
STATE OF WASHINGTON
24009987
REGISTERED PROFESSIONAL ENGINEER
05/28/2025

SCHARHON RESIDENCE

STORMWATER DRAINAGE

9150 SE 54TH ST,
MERCER ISLAND, WA 98040

NO.	DATE	REVISION

CLIENT:

FM CONSTRUCTION AND REMODELING

HRC
HERITAGE REWARD CONSULTING
Heritage Reward Consulting PLLC
4935 Mill Pond Loop SE
Auburn, WA 98092
(253) 753-0092

SHEET # C2.0

SHEET TILE
STORM DRAINAGE SITE PLAN