DRAINAGE & EROSION CONTROL PLAN

6922 33RD ST. MERCER ISLAND, WA 98040 54" WSDOT TYPE 2 CONTROL STRUCTURE W/ SOLID LID RIM = 265.61134 LF OF 36" DETENTION IE IN 36" PVC (E) = 259.98' IE OUT 12" PVC (S) = 260.48' PIPE NACA **=**269. 54" WSDOT TYPE 2 **CATCH BASIN** 269 W/ SOLID LID RIM = 264.94'IE OUT 36" PVC (E) = 259.98' IE IN 6" PVC (N) = 263.44' IE IN 2" SCHEDULE 40 PVC 265 FORCE LINE WITH 264 DOWNTURNED ELBOW (W) ROOF DRAIN 6" PVC @ 2% MIN. TYP. $= 263.44^{\circ}$ 10/05/2022 6" PVC SDR-35 PIPE AT 2% MIN RESTORE PAVEMENT TO MATCH EXISTING CONDITION AREA DRAIN 261 RIM = 258.85'Ю 12" PVC PIPE AT 0.05% MIN IE OUT 6" PVC (W) = 258.09 ₹60 1250 2" PVC SCEDULE 40 2" WATER SERVICE AND 1.5" FORCE STORM LINE > WATER METER TRENCH DRAIN 262. RIM = 256.98'IE OUT 6" PVC (S) = 256.62' **NEW CONCRETE** PAVEMENT 263 NEW ASPHALT PAVEMENT Og PUMPS*: RIM = 256.87'Q I E IN 6" PVC (N AND W) = 251.80' I E OUT 2" SCHEDULE 40 PVC FORCE LINE = 254.80' FOOTING DRAIN 6" PVC @ 2% MIN. TYP. **BACKFLOW VALVE** LOT LINE 6" PVC @ 2% MIN. TYP. PROVIDE STRAW OR PLASTIC COVER TO ANY FOOTING DRAINS GO INTO DETENTION SYSTEM **EXPOSED SOILS** SINCE A PUMP IS NEEDED, A BACKFLOW VALVE IS THROUGHOUT CONSTRUCTION CYCLE PROVIDED ALL PERVIOUS SURFACES WIHIN LIMITS OF SOIL ON ENTIRE SITE DISTURBANCE WILL RECIEVE SOIL AMMENDMENTS 30 30 15 CONSISTS OF ARENTS, ALDERWOOD MATERIAL INFORMATION TAKEN FROM TOPO & BOUNDARY

SURVEY DATED 02/09/2022 BY TERRANE

(HSG B/D)

SCALE: 1"=30'

*PUMPS ARE A DUPLEX PUMP SYSTEM UTILIZING ZOELLER N57 SERIES PUMPS. ZOELLER DUPLEX ELECTRICAL ALTERNATOR CONTROL PANEL/ALARM. APAK Z CONTROL ALARM, AND A TYPE 2 BASIN