



CITY MAP
NO SCALE

PROJECT INFORMATION

APPLICANT:	CLALLAM COUNTY PUD #1 PO BOX 1000 CARLSBORG, WA 98324
OWNER:	CLALLAM COUNTY PUD #1 PO BOX 1000 CARLSBORG, WA 98324
PROPOSED PROJECT:	LIBERTY STREET SUBSTATION
ZONING:	BBP - PUBLIC BUILDING AND PARKS
UTILITIES:	STORM & SANITARY SEWER, & WATER - CITY OF PORT ANGELES POWER - CALLAM COUNTY PUD #1 TELEPHONE - N/A CABLE TELEVISION - N/A
PARCEL NO.:	06-30-11-51-0900
DATE OF PREPARATION:	DECEMBER 2023
PROPERTY DESCRIPTION:	BLOCKS 12 & 13 OF CAMPBELL'S ADDITION TO PORT ANGELES TOGETHER WITH VACATED PORTIONS OF ABUTTING RIGHTS OF WAYS, SEE SURVEY RECORDED IN VOLUME 47 OF SURVEYS, PAGE 13 FOR ADDITIONAL ENCUMBRANCES.

HORIZONTAL AND VERTICAL DATUM:

CITY OF PORT ANGELES
HORIZ. NAD 83/91
VERT. NAVD 88 (ELLIPSOID)

TOPOGRAPHIC DATA AS NOTED PROVIDED BY THE CLALLAM COUNTY PUD. DATA INCLUDED SURFACE ELEVATIONS IN THE AREA NOTED IN THE PLANS, THE SIDEWALK ON THE NORTH SIDE OF THE PROJECT AREA AND THE EDGE OF ROADWAY AROUND THE SITE.

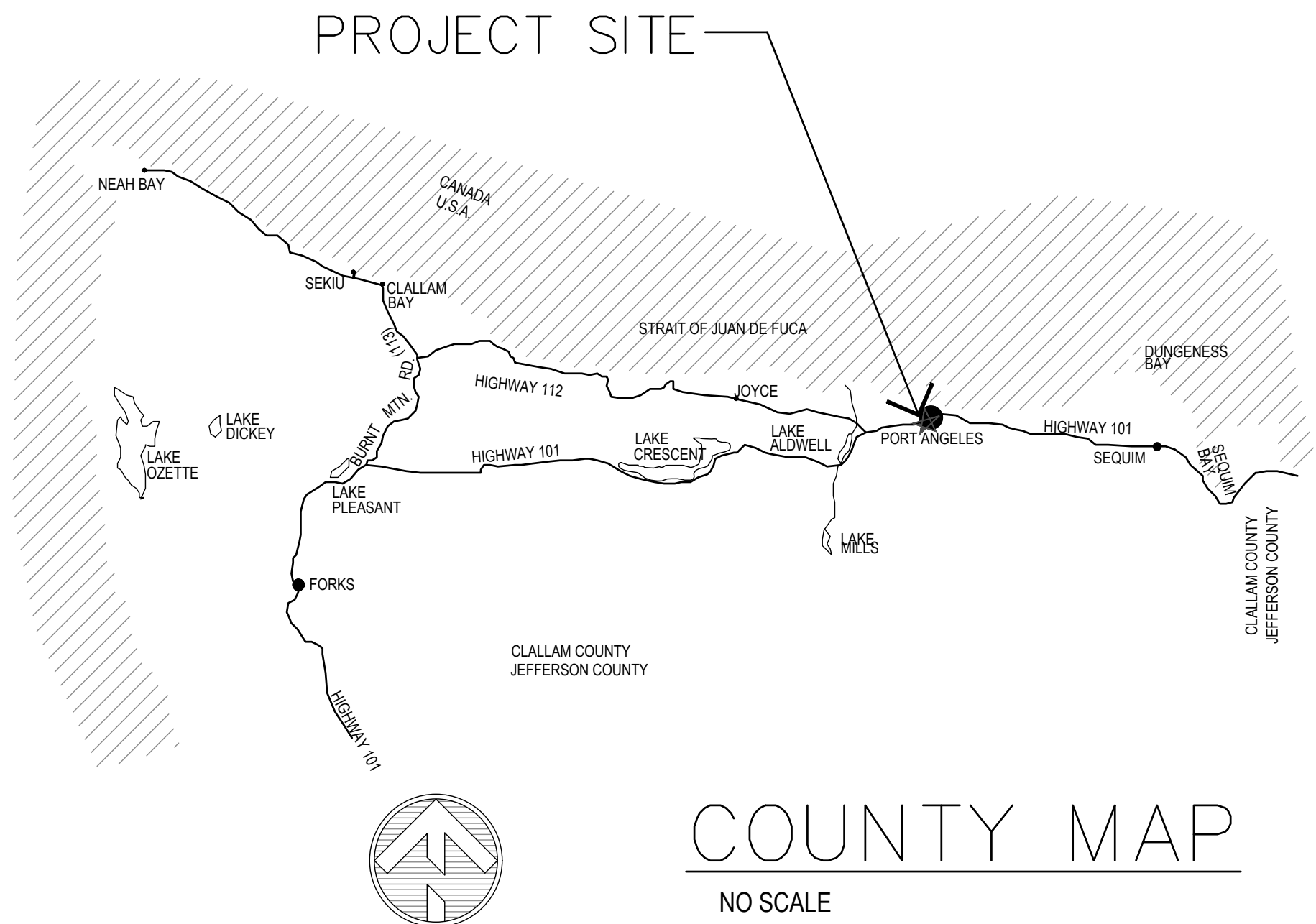
BENCHMARK:

TBD

DRAWING INDEX

C1	COVER SHEET WITH GENERAL NOTES
C2	TESC & DEMO PLAN
C3	TESC DETAILS
C4	SITE PLAN
C5	DRAINAGE DETAILS
C6	BASIN MAP

CALL BEFORE YOU DIG
1-800-424-5555
FOR UNDERGROUND UTILITY
LOCATION SERVICE



COUNTY MAP
NO SCALE

GENERAL NOTES:

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF PORT ANGELES STANDARDS, THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (STANDARD SPECIFICATIONS), AND ANY PROJECT SPECIFIC SPECIAL PROVISIONS OR CONDITIONS AND REQUIREMENTS.
2. TEMPORARY EROSION/WATER POLLUTION MEASURES ARE REQUIRED AND SHALL COMPLY WITH CHAPTER 6 OF THE CITY OF PORT ANGELES' URBAN SERVICES STANDARDS AND GUIDELINES AND THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
3. EXISTING AND NEWLY CONSTRUCTED STORM WATER DRAINAGE SYSTEMS SHALL BE PROTECTED FROM CONSTRUCTION SITE RUNOFF.
4. A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE CITY PRIOR TO THE START OF CONSTRUCTION.
5. HORIZONTAL AND VERTICAL CONTROLS/DATUM AS ADOPTED BY THE CITY SHALL BE USED, UNLESS APPROVED OTHERWISE.
6. ALL APPROVALS AND PERMITS REQUIRED BY THE CITY SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
7. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING UNDERGROUND LOCATE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION WORK.
8. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR TEMPORARY TRAFFIC CONTROL. THE CONTRACTOR SHALL, BY LETTER TO THE CITY ENGINEER, INDICATE THAT WSDOT STANDARD "K" PLANS SHALL BE UTILIZED FOR TEMPORARY TRAFFIC CONTROL. IF THE CURRENT WSDOT STANDARD "K" PLANS ARE NOT UTILIZED, THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN(S) FOR REVIEW AND APPROVAL BY THE CITY ENGINEER IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CITY ENGINEER SHALL HAVE FIVE DAYS FOR REVIEW OF ANY PROPOSED TRAFFIC CONTROL PLAN. NO WORK MAY BE CONDUCTED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN.
9. THE CONTRACTOR SHALL HAVE A COPY OF THE APPROVED PLANS AT THE CONSTRUCTION SITE AT ALL TIMES.
10. SPECIAL STRUCTURES SHALL BE INSTALLED PER PLANS AND MANUFACTURER'S RECOMMENDATIONS.
11. ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY AND PERMANENT EROSION CONTROL IN THE FORM OF VEGETATION ESTABLISHMENT SUCH AS GRASS SEEDING. A MEANS SHALL BE ESTABLISHED TO PROTECT THE PERMANENT STORM DRAIN SYSTEM PRIOR TO ESTABLISHMENT OF THE PERMANENT EROSION CONTROL MEASURES. THESE METHODS SHALL BE INCLUDED IN THE EROSION AND SEDIMENT CONTROL PLANS IN ACCORDANCE WITH CHAPTER 6 THE CITY OF PORT ANGELES URBAN SERVICES STANDARDS AND GUIDELINES.
12. CONSTRUCTION WORK HOURS SHALL BE RESTRICTED TO 7 A.M. TO 10 P.M. PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER SHALL BE REQUIRED FOR WORK BETWEEN 10 P.M. AND 7 A.M.; A VARIANCE FROM THE CITY BOARD OF ADJUSTMENT WILL BE REQUIRED TO WORK DURING THESE HOURS. A VARIANCE REQUIRES A MINIMUM OF 60 DAYS TO OBTAIN; THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS AND EFFORTS TO OBTAIN THE VARIANCE
13. THE CITY CONSTRUCTION INSPECTOR SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE OF THE NEED FOR AN INSPECTION.
14. PER THE PROVISIONS OF THE CURRENT WSDOT STANDARD SPECIFICATIONS RELATED TO PUBLIC CONVENIENCE AND SAFETY, THE CONTRACTOR SHALL MAINTAIN READY ACCESS TO DRIVEWAYS, HOUSES, AND BUILDINGS ALONG THE LINE OF WORK.
15. A MINIMUM OF ONE WAY TRAVEL THROUGH THE PROJECT AREA SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
16. SHOULD ACCESS TO A PROPERTY ADJOINING THE PROJECT REQUIRE TEMPORARY CLOSURE ANTICIPATED TO HAVE A DURATION EXCEEDING 15 MINUTES, THE CONTRACTOR SHALL COORDINATE THE TEMPORARY CLOSURE WITH THE PROPERTY OWNER/RESIDENT. A MINIMUM OF 24 HOURS ADVANCE NOTIFICATION SHALL BE PROVIDED TO THE PROPERTY OWNER/RESIDENT PRIOR TO ANY SUCH TEMPORARY CLOSURE.

APPROVED FOR CONSTRUCTION _____ DATE: _____ APPROVAL EXPIRES: _____
CITY ENGINEER

ZENOVIĆ & ASSOCIATES
INCORPORATED

301 E. 6TH STREET, SUITE 1
PORT ANGELES, WA 98362
PHONE: (360) 417-0501
FAX: (360) 417-0514
EMAIL: ZENOVIĆ@ZENOVIC.NET

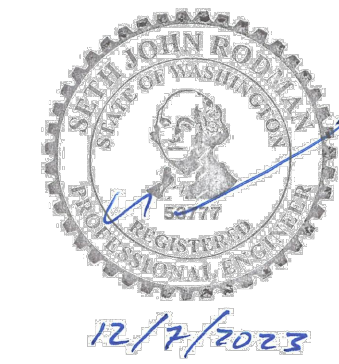
REVISIONS:	DATE	MARK	NOTE

TITLE: LIBERTY STREET SUBSTATION - CORNER OF LIBERTY STREET & LAURSEN BOULEVARD, PORT ANGELES, WA

COVER SHEET & GENERAL NOTES

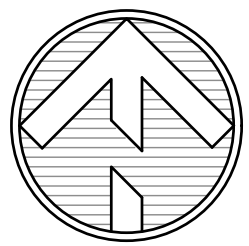
CLIENT:
CLALLAM COUNTY PUD #1
104 HOOKER ROAD
SEQUIM, WA 98382

SCALE:	NTS
FILE:	23071 - E2
JOB NO:	23071
DATE:	December 7, 2023
SET:	BID



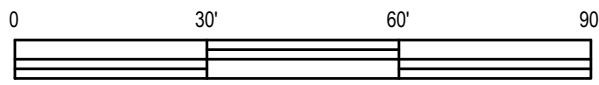
SHEET

C1



SITE PLAN

Scale: 1" = 30'

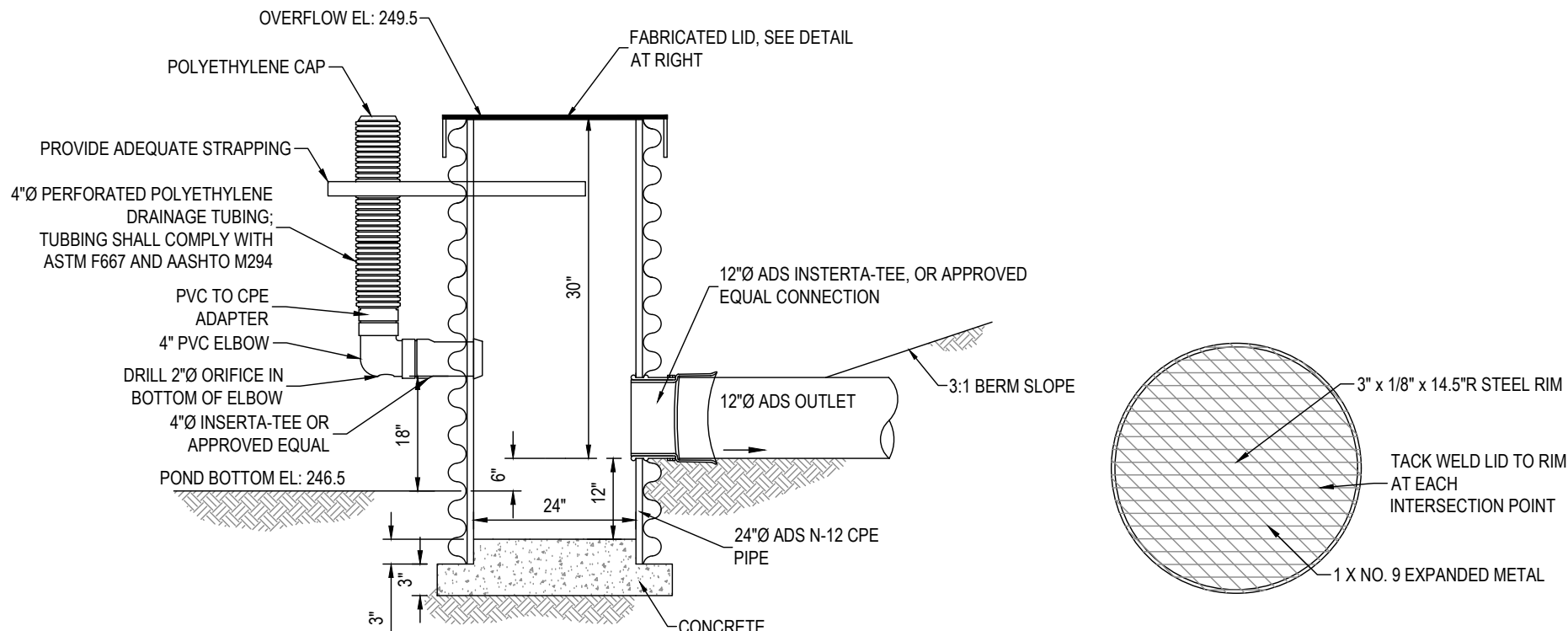


EROSION CONTROL NOTES:

- ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (DOE, 2019) AND THE PORT ANGELES URBAN SERVICES, STANDARDS AND GUIDELINES (2017) HEREFTER REFERRED TO AS THE URBAN SERVICES.
- ALL DISTURBED AREAS, EXCEPT THOSE ON WHICH ACTIVE CONSTRUCTION IS TAKING PLACE, SHALL BE EITHER SEEDED AND MULCHED OR PROTECTED WITH APPROPRIATE PLASTIC SHEETING WITHIN 2 DAYS OF DISTURBANCE BETWEEN OCTOBER 1 AND APRIL 30 AND WITHIN 7 DAYS BETWEEN MAY 1 AND SEPTEMBER 30.
- STABILIZED CONSTRUCTION ENTRANCE TO BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITIES.
- ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER MAJOR STORM EVENTS. ANY DEFICIENCIES SHALL BE REPAIRED IMMEDIATELY.
- CATCH BASIN INSERTS PER DETAIL A/C2 TO BE INSTALLED IN ALL EXISTING AND NEWLY INSTALLED BASIN AND REMAIN IN PLACE UNTIL AREA DRAINAGE TO AFFECTED BASIN IS FULLY STABILIZED.
- ANY MATERIAL THAT IS CARRIED OFFSITE BY VEHICLE WHEELS AND DEPOSITED ON PUBLIC ROADWAYS SHALL BE CLEANED UP IMMEDIATELY.
- SAWCUTTING SHALL BE DONE WITH WATER TO PREVENT DUST AND THE RESULTING SLURRY IS TO BE VACUUMED UP IMMEDIATELY.
- CONCRETE TRUCKS TO WASHOUT IN DESIGNATED CONCRETE WASHOUT AREA IN ACCORDANCE WITH BMP C154.
- ADJACENT PROPERTIES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION BY APPROPRIATE USE OF VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES OR MULCHING, OR BY A COMBINATION OF THESE MEASURES.
- THE TESC MEASURES SHOWN ON THIS PLAN REPRESENT THE MINIMUM REQUIREMENTS REQUIRED TO COMPLY WITH THE TERMS AND CONDITIONS OF SECTION 6.03.1 OF THE URBAN SERVICES.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THE EROSION CONTROL MEASURES USED ARE FUNCTIONING EFFECTIVELY AND THE SITE CONTINUALLY COMPLIES WITH THE REQUIREMENTS OF THE URBAN SERVICES.
- DEMOLITION DEBRIS LEFT ONSITE SHALL BE COVERED AT THE END OF EACH SHIFT WITH PLASTIC COVERING OR EQUIVALENT.
- DISTURBED SOILS ARE TO AMENDED PER BMP T5.13.**
- UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS NOT OTHERWISE PAVED OR LANDSCAPED SHALL BE HYDRO-SEEDED WITH THE LANDSCAPE SEED MIX BELOW UNLESS OTHERWISE SPECIFIED.

LANDSCAPE SEED MIX			
SEED TYPE	% WEIGHT	% PURITY	% GERMINATION
PERENNIAL RYE	70	98	90
CHEWINGS AND RED FESCUE BLEND	30	98	85
1. SEED TO BE APPLIED AT A RATE OF 120 lbs/acre.			
2. MULCH TO BE APPLIED AT A MIN. RATE OF 1500 lbs/acre WITH 3% TACKIFIER.			
3. FERTILIZER (10-4-6 N-P-K) TO BE APPLIED AT A RATE OF 90 lbs/acre.			

WET AREA SEED MIX			
SEED TYPE	% WEIGHT	% PURITY	% GERMINATION
TALL OR MEADOW FESCUE	60-70	98	90
SEASIDE/CREEPING BENTGRASS	10-15	98	85
MEADOW FOXTAIL	10-15	90	80
ALSIKE CLOVER	1-6	98	90
REDTOP BENTGRASS	1-6	92	85
1. SEED TO BE APPLIED AT A RATE OF 120 lbs/acre.			
2. MULCH TO BE APPLIED AT A MIN. RATE OF 1500 lbs/acre WITH 3% TACKIFIER.			
3. FERTILIZER (10-4-6 N-P-K) TO BE APPLIED AT A RATE OF 90 lbs/acre.			



SEDIMENT POND RISER DETAIL
Scale: NTS

Z ENOVIC & ASSOCIATES

INCORPORATED
301 E. 6TH STREET, SUITE 1
PORT ANGELES, WA 98302
PHONE: (360) 417-0501
FAX: (360) 417-0514
EMAIL: ZENOVIC@ZENOVIC.NET

REVISIONS:

DATE	MARK	NOTE
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TITLE: LIBERTY STREET SUBSTATION - CORNER OF LIBERTY STREET & LAURIDSEN BOULEVARD, PORT ANGELES, WA

TESC/DEMO PLAN

CLIENT:
CLALLAM COUNTY PUD #1
104 HOOKER ROAD
SEQUIIM, WA 98302

SCALE:

1"=30'

FILE:

23071 - E2

JOB NO:

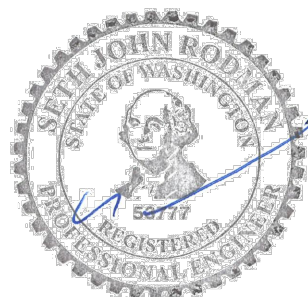
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DATE:

December 7, 2023

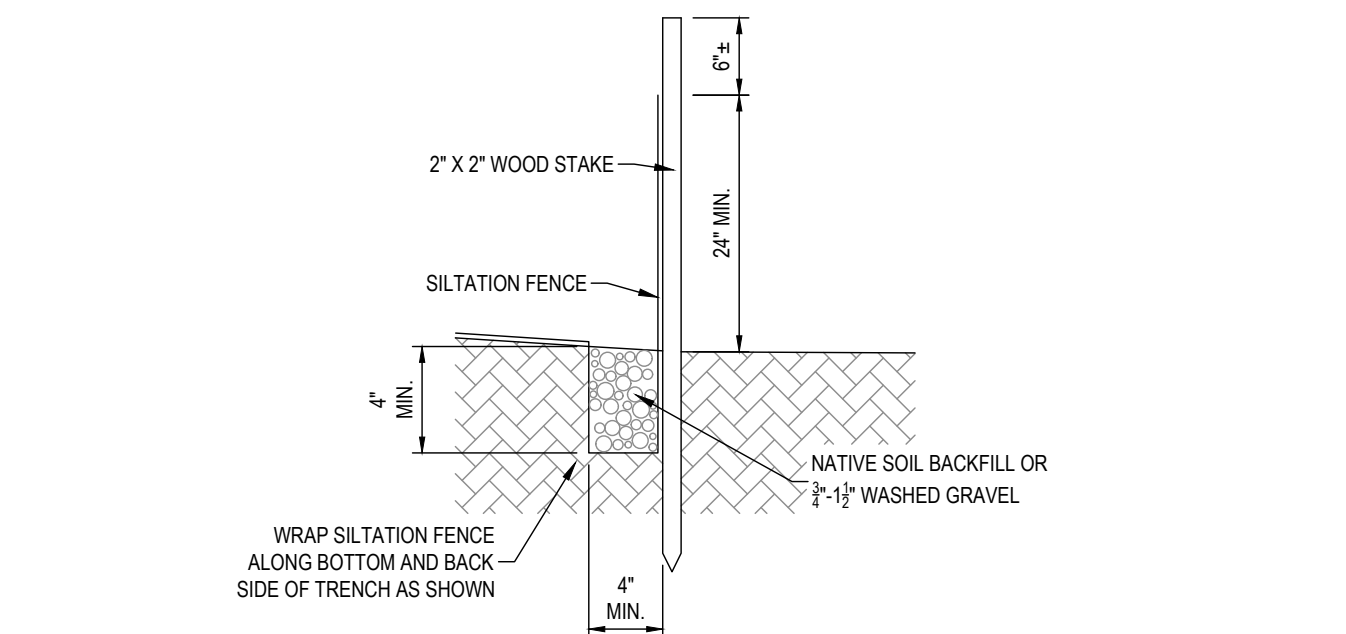
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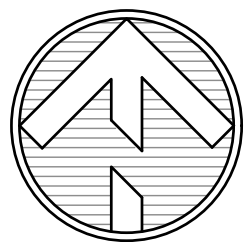
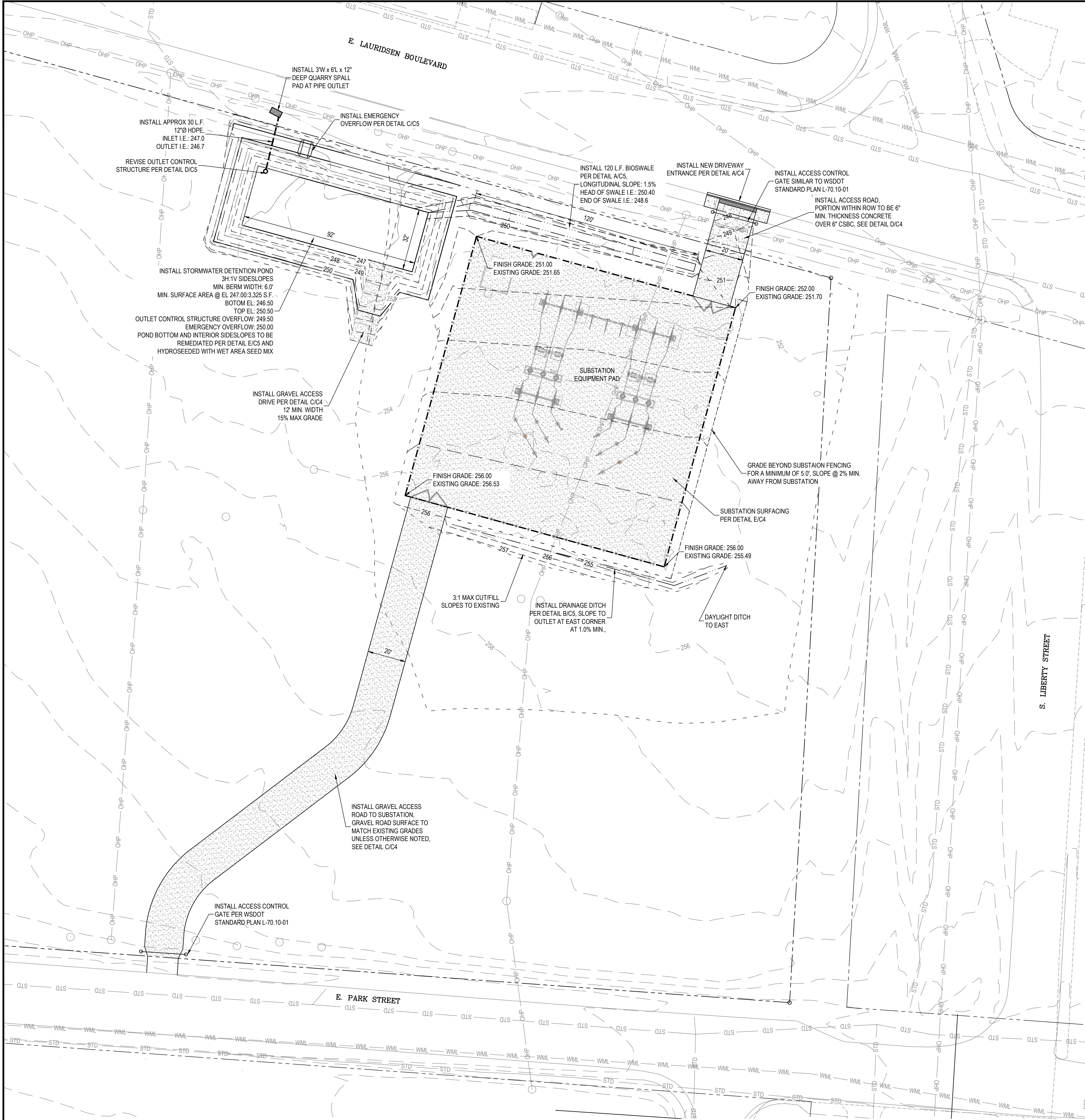
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C2



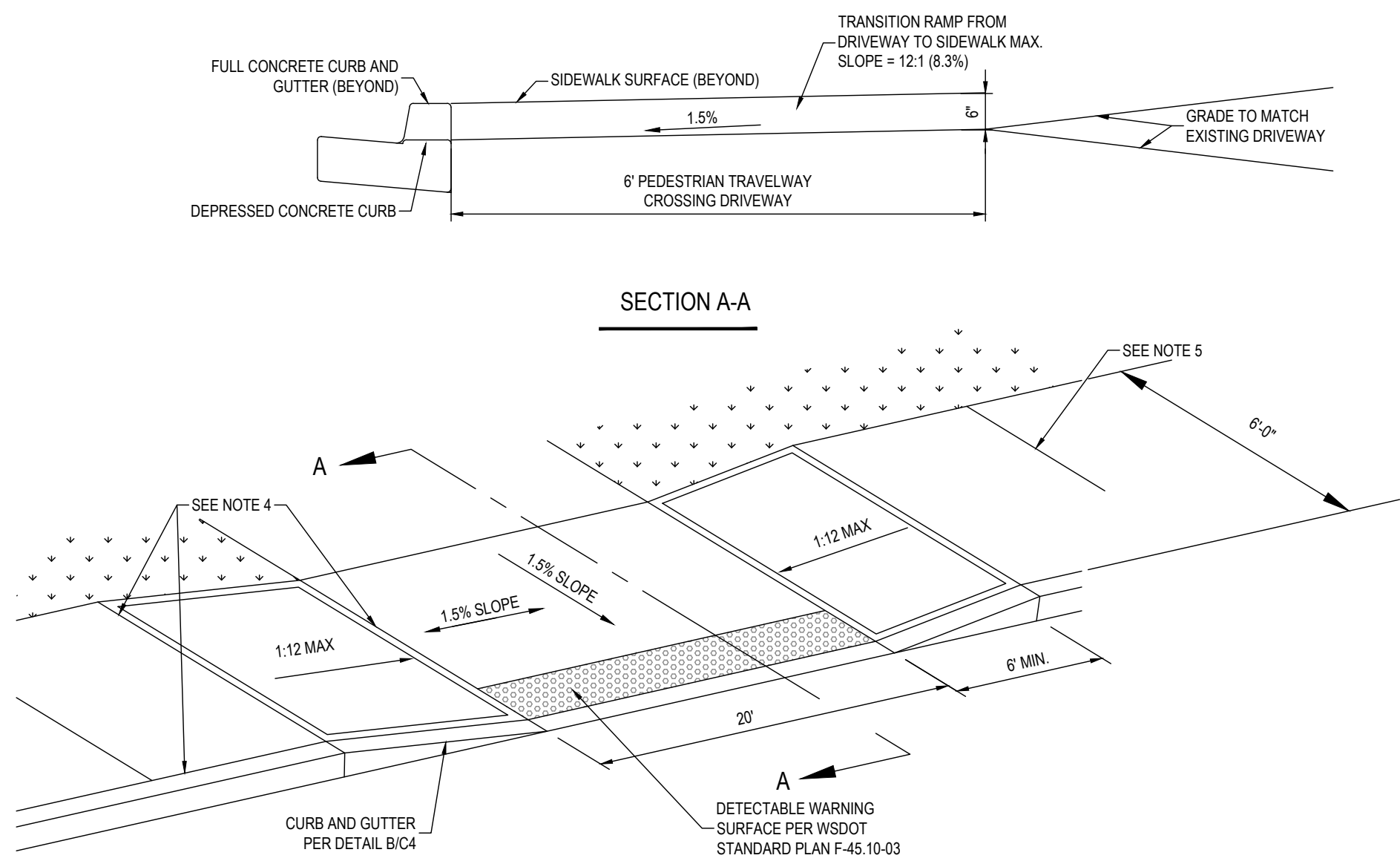
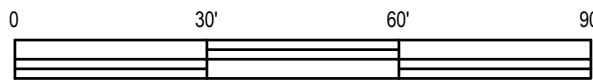
B SILTATION FENCE DETAILS
C3 Scale: NTS





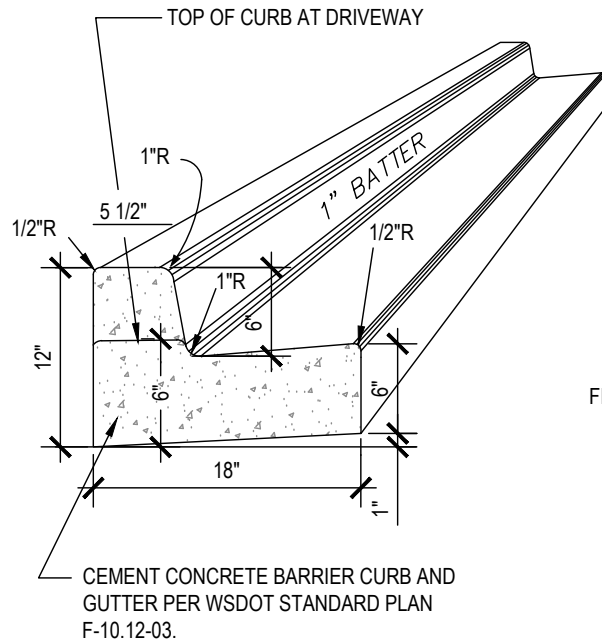
SITE PLAN

Scale: 1" = 30'

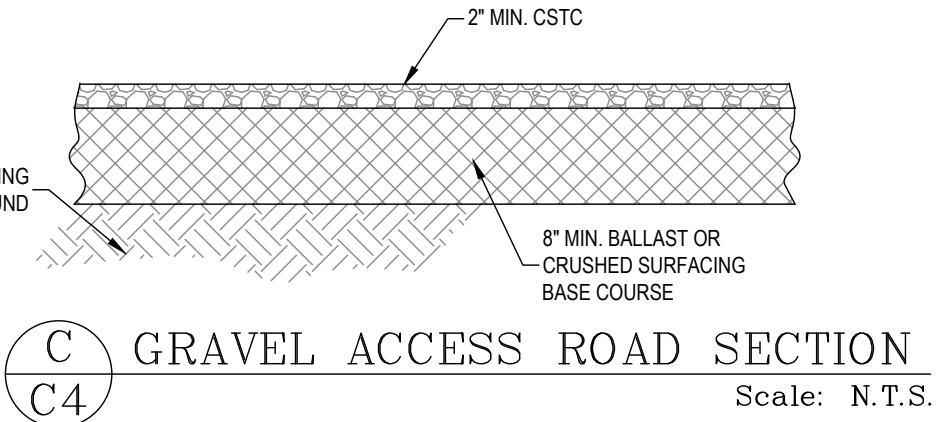


- NOTES:
- THE PEDESTRIAN TRAVELWAY SHALL HAVE A MAXIMUM CROSS SLOPE OF 48:1 (2%).
 - INSTALL RAMPS ON BOTH SIDES OF THE DRIVEWAY AS SHOWN ON THE PLANS. RAMPS SHALL BE AS LONG AS NECESSARY TO PROVIDE A MAXIMUM SLOPE OF 12:1 PARALLEL AND PERPENDICULAR TO THE EXISTING PLANE ON WHICH THE RAMP IS TO BE CONSTRUCTED.
 - CEMENT CONCRETE SHALL BE CLASS 4000, MIN. 6" THICK INCLUDING RAMPS
 - ASPHALT IMPREGNATED EXPANSION JOINT. FULL DEPTH AT BACK OF CURB AND EVERY 20 FEET AT TRANSVERSE JOINTS. JOINT MATERIAL NOT REQUIRED AT BACK OF CURB IF RAMP AND/OR DRIVEWAY IS POURED SEPARATELY CREATING A COLD JOINT.
 - CRACK JOINTS EVERY 5 FEET IN WALK.
 - HERBICIDE (RESIDUAL) TO BE APPLIED BEFORE POURING CONCRETE.
 - EXPOSED AGGREGATE OR SPECIAL SURFACE TREATMENT NOT ALLOWED IN RIGHT OF WAY

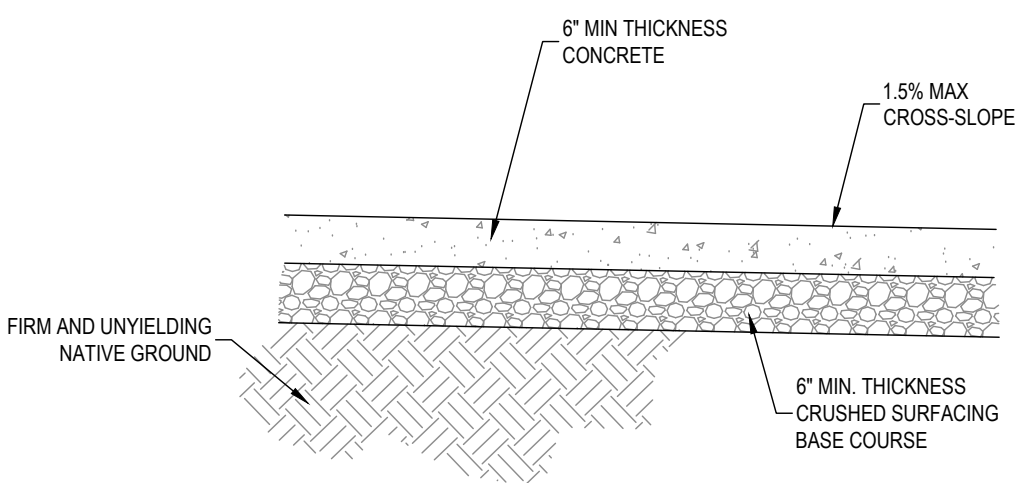
A DRIVEWAY APRON
Scale: N.T.S.



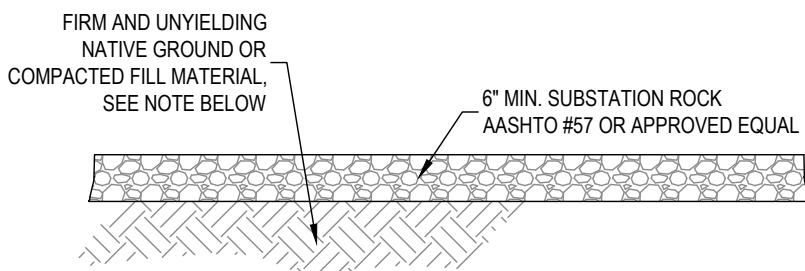
B CURB AND GUTTER
Scale: N.T.S.



C GRAVEL ACCESS ROAD SECTION
Scale: N.T.S.



D CONCRETE DRIVEWAY SECTION
Scale: N.T.S.



E SUBSTATION SURFACING
Scale: N.T.S.

CUT/FILL NOTES:
ON-SITE MATERIAL BELOW APPROXIMATELY 12" MAY BE SUITABLE FOR USE AS FILL MATERIAL IN TRAVELLED AREAS. NOTE THAT THIS MATERIAL IS VERY MOISTURE SENSITIVE AND WILL NOT BE USABLE DURING WET WEATHER CONDITIONS. ALTERNATIVELY, GRAVEL BASE PER WSDOT STANDARD SPEC 9-03.10. MATERIAL TO BE COMPACTED TO 95% MAX DRY DENSITY.

NEAT LINE ESTIMATED QUANTITIES OF CUT/FILL ARE AS FOLLOWS:
CUT TO BASE: 2,500 C.Y.
ON-SITE FILL (POND BERM, SOUTH ACCESS, ETC.): 500 C.Y.
SUBSTATION ROCK: 360 C.Y.
BALLISTICSBC: 170 C.Y.
TOP COURSE: 40 C.Y.

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TITLE: LIBERTY STREET SUBSTATION - CORNER OF LIBERTY STREET & LAURIDSEN BOULEVARD, PORT ANGELES, WA

SITE PLAN

CLIENT:
CLALLAM COUNTY PUD #1
104 HOOKER ROAD
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1" = 30'

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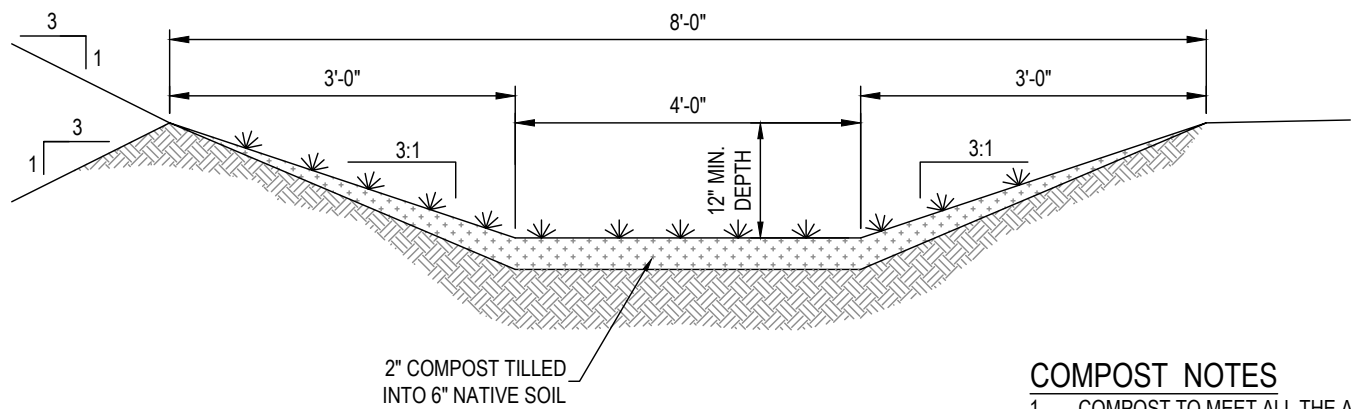
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SHEET

C4



BIOFILTRATION NOTES

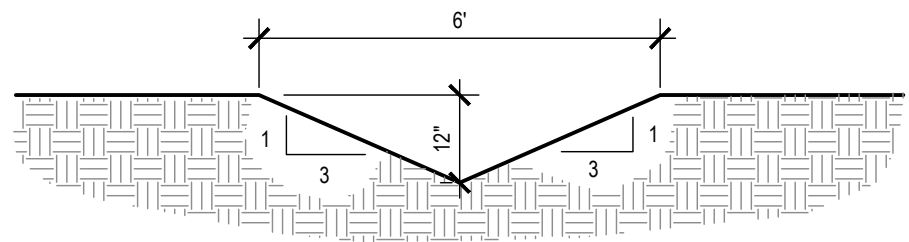
1. SEE PLAN FOR LONGITUDINAL SLOPE OF SWALE
2. HYDROSEED WITH A MIX OF 52% PERENNIAL RYE, 35% WINTER RYE, AND 13% CLOVER.
3. AVOID COMPACTION OF SOILS DURING CONSTRUCTION. IF COMPACTION OCCURS, TILL SOILS BEFORE HYDROSEEDING.

COMPOST NOTES

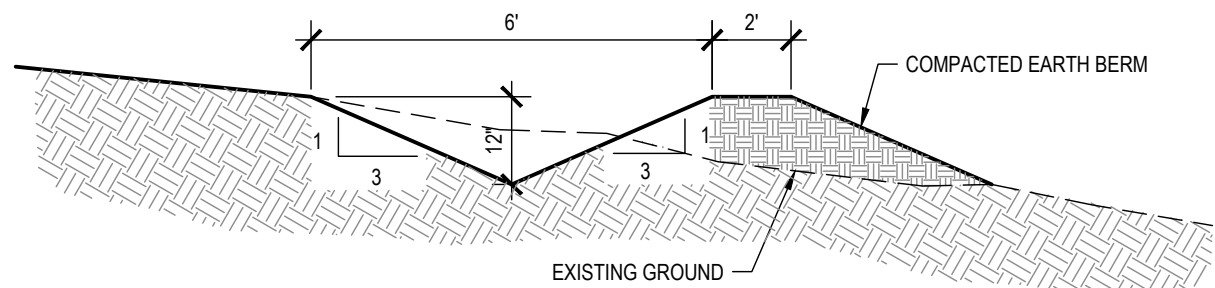
1. COMPOST TO MEET ALL THE APPLICABLE REQUIREMENTS OF BMP T7.40 (SWMWW, 2019, ECV).

A BIO-FILTRATION SWALE - 4' WIDTH

Scale: NTS



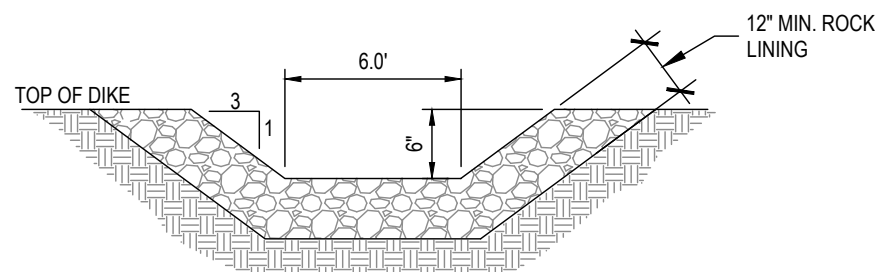
DRAINAGE DITCH



DRAINAGE DITCH W/ BERM

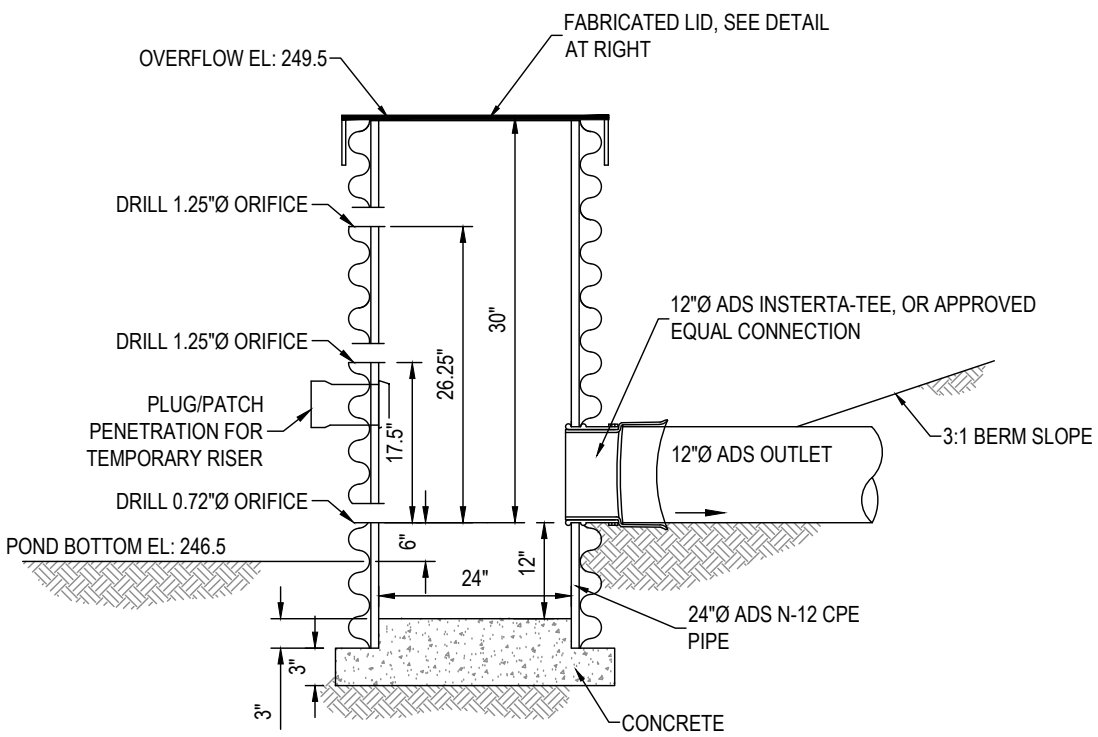
B DRAINAGE DITCH SECTIONS

Scale: NTS



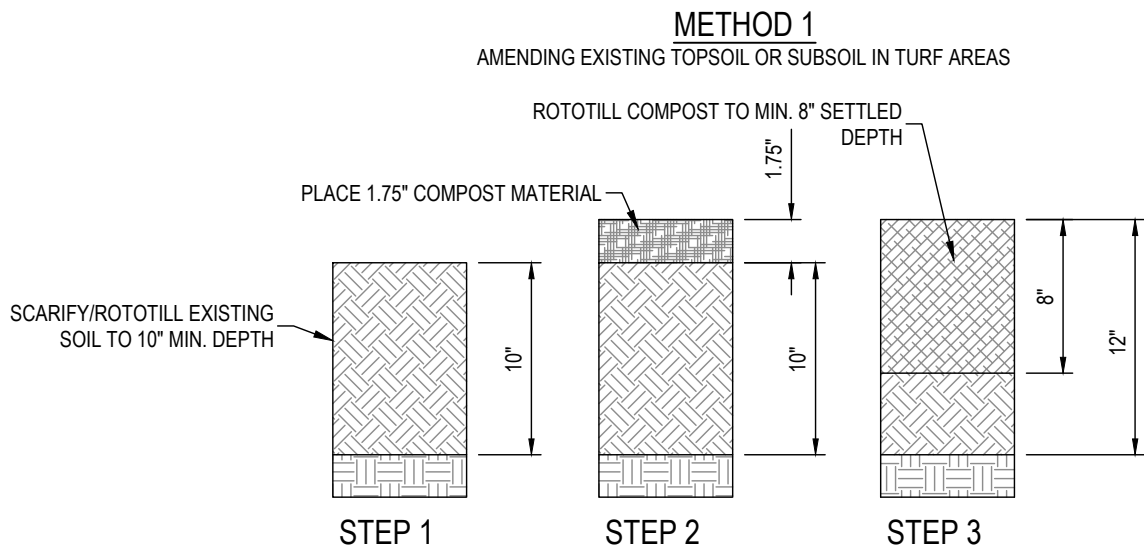
C POND OVERFLOW SECTION

Scale: NTS

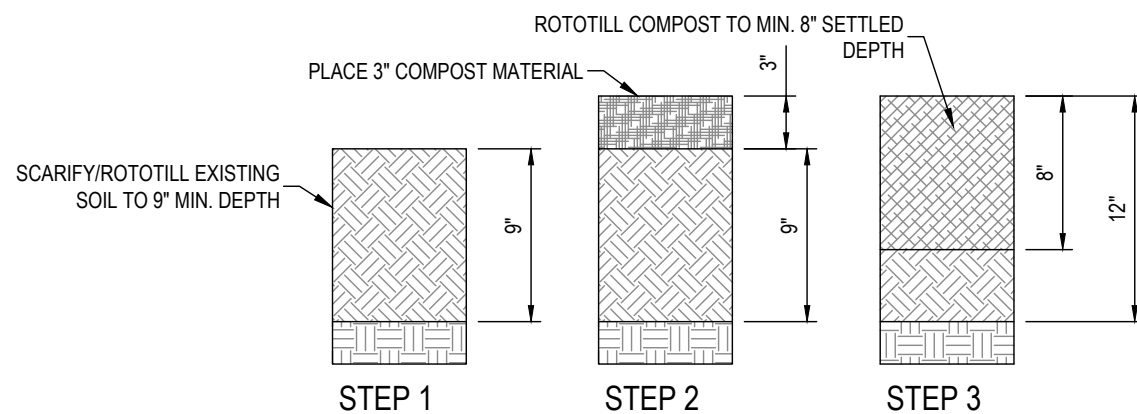


D POND RISER DETAIL

Scale: NTS



METHOD 1 AMENDING EXISTING TOPSOIL OR SUBSOIL IN PLANTING AREAS

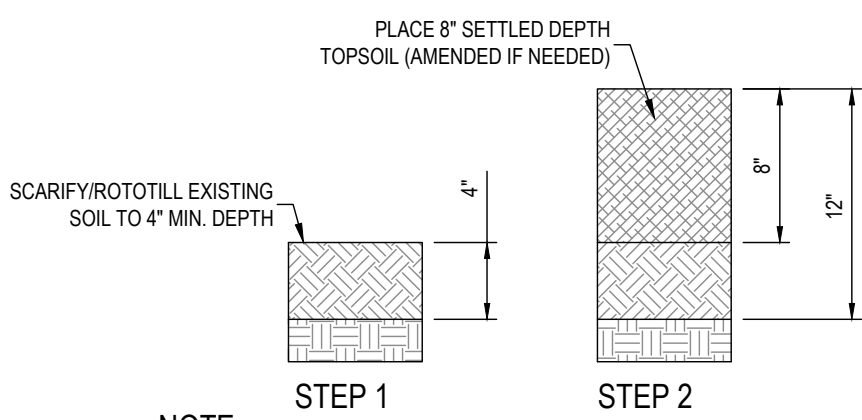


COMPOST REQUIREMENTS:

COMPOST MUST:

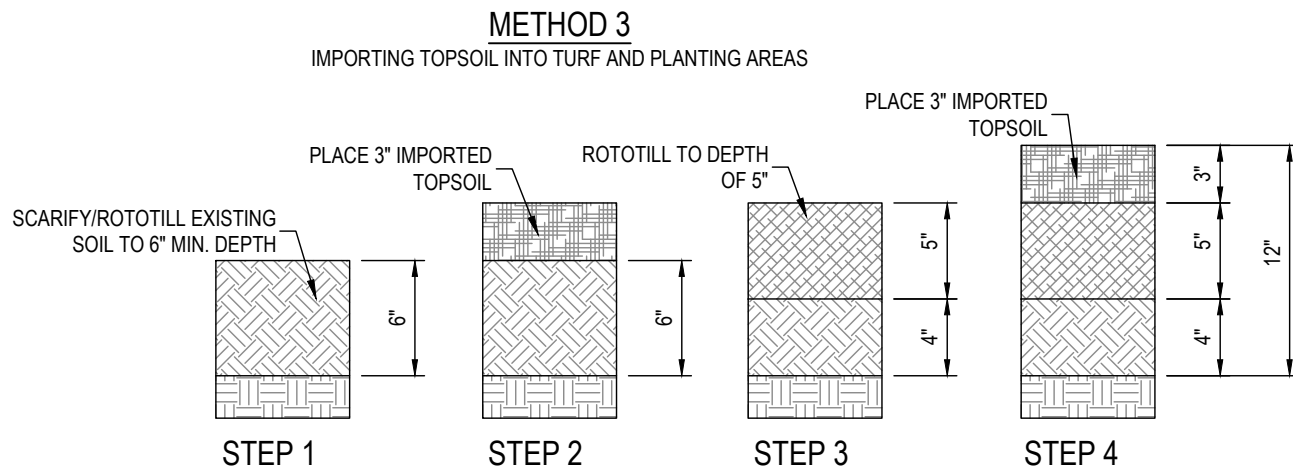
1. MEET THE REQUIREMENTS OF "COMPOSTED MATERIAL" IN WAC 173-350-100 AND COMPLY WITH TESTING PARAMETERS AND OTHER STANDARDS IN WAC 173-350-220.
2. BE PRODUCED AT A COMPOSTING FACILITY THAT IS PERMITTED BY THE JURISDICTIONAL HEALTH AUTHORITY.
3. ORIGINATE FROM A MINIMUM OF 65% BY VOLUME FROM RECYCLED PLANT WASTE COMPRISED OF "YARD DEBRIS," "CROP RESIDUES," AND "BULKING AGENTS" AS DEFINED IN WAC 173-350-100. A MAXIMUM OF 35% BY VOLUME OF "POST-CONSUMER FOOD WASTE" AS DEFINED IN WAC 173-350-100 INCLUDING BIO-SOLIDS AND MANURE MAY BE SUBSTITUTED FOR RECYCLED PLANT WASTE.
4. HAVE NO VISIBLE FREE WATER OR HAVE NO DUST PRODUCED WHEN HANDLING THE MATERIAL.
5. BE TESTED WITH THE U.S. COMPOSTING COUNCIL "TEST METHOD FOR THE EXAMINATION OF COMPOST AND COMPOSTING" (TMECC) AS ESTABLISHED IN THE COMPOSTING COUNCIL'S "SEAL OF TESTING ASSURANCE" (STA) PROGRAM.
6. BE SCREENED TO THE FOLLOWING GRADATIONS FOR FINE COMPOST WHEN TESTED IN ACCORDANCE WITH TMECC TEST METHOD 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION."
 - MIN. % PASSING 2": 100%
 - MIN. % PASSING 1": 99%
 - MIN. % PASSING 3/4": 90%
 - MIN. % PASSING 1/2": 75%
7. HAVE pH BETWEEN 6.0 AND 8.5 (TMECC 04.11-A), AND "PHYSICAL CONTAMINANTS" (AS DEFINED IN WAC 173-350-100) CONTENT LESS THAN 1% BY WEIGHT (TMECC 03.08-A) TOTAL, NOT TO EXCEED 0.25% FILM PLASTIC BY DRY WEIGHT.
8. HAVE MINIMUM ORGANIC MATTER CONTENT OF 40% (TMECC 05.07-A "LOSS ON IGNITION").
9. HAVE SOLUBLE SALT CONTENT LESS THAN 4.0 dS/m (mmhos/cm) (TMECC 04.10-A "ELECTRICAL CONDUCTIVITY, 1:5 SLURRY METHOD, MASS BASIS").
10. HAVE MATURITY INDICATORS GREATER THAN 80% FOR BOTH EMERGENCE AND VIGOR FROM A CUCUMBER BIOASSAY (TMECC 05.05-A "SEEDLING EMERGENCE AND RELATIVE GROWTH").
11. HAVE STABILITY OF 7 mg CO₂-C/g OM/DAY OR BELOW (TMECC 05.08-B "CARBON DIOXIDE EVOLUTION RATE").
12. HAVE A CARBON TO NITROGEN (C:N) OF LESS THAN 25:1 (TMECC 05.02-A "CARBON TO NITROGEN RATIO" WHICH USES 04.01 "ORGANIC CARBON" AND 04.02-D "TOTAL NITROGEN BY OXIDATION"). THE C:N RATIO MAY BE UP TO 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PUGET SOUND LOWLAND NATIVE SPECIES.

METHOD 2 REPLACING STRIPPED TOPSOIL IN TURF AND PLANTING AREAS



NOTE:

EXISTING SOIL MAY NEED TO BE AMENDED IF MINIMUM ORGANIC CONTENT IS INSUFFICIENT OR THERE IS INSUFFICIENT MATERIAL TO MEET THE REQUIRED DEPTHS.



NOTE:

IMPORTED TOPSOIL SHALL HAVE A MINIMUM ORGANIC CONTENT OF 5% FOR TURF AREAS AND 10% FOR PLANTING AREAS. ADDITIONALLY, THE SOIL SHALL BE CLASSIFIED AS SAND OR SANDY LOAM AS DEFINED BY THE USDA.

GENERAL NOTES:

1. TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF 8 INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF TOPSOIL AMENDMENT INCORPORATION.
2. SUBSOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 4 INCHES TO ACHIEVE A TOTAL "LOOSE" DEPTH OF 12 INCHES
3. TOPSOIL SHALL HAVE A MINIMUM ORGANIC CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND MINIMUM 5% ORGANIC MATTER IN TURF AREAS, AND A pH FROM 6.0 TO 8.0 OR MATCHING THE pH OF THE UNDISTURBED SOIL.
4. PLANTING BEDS ARE TO BE MULCHED WITH 2 INCHES OF ORGANIC MATERIAL.
5. "PRE-APPROVED" SOIL AMENDMENT RATES ARE AS FOLLOWS:
 - TURF AREAS: 1.75" COMPOST PER 6.25" EXISTING SOIL
 - PLANTING AREAS: 3" COMPOST PER 5" EXISTING SOIL
6. PROJECT PROPONENT MAY UTILIZE A CALCULATED AMENDMENT RATE IF THEY CAN DEMONSTRATE THAT THE AMENDED TOPSOIL WILL MEET THE MINIMUM ORGANIC CONTENTS LISTED ABOVE.
7. TURF AREAS SHALL BE WATER OR ROLL COMPACTED TO 85% MAXIMUM DRY DENSITY
8. RAKE SMOOTH AND REMOVE WOODY DEBRIS AND ROCKS LARGER THAN 1" IN DIAMETER (2" FOR PLANTING AREAS).

SUBMITTALS:

CONTRACTOR/OWNER SHALL PROVIDE THE FOLLOWING INFORMATION TO THE CITY OF PORT ANGELES PUBLIC WORKS DEPARTMENT:

1. CITY OF PORT ANGELES WORKSHEET D.
2. TRUCK TICKETS DETAILING SOURCE AND QUANTITY OF IMPORTED COMPOST OR TOPSOIL MATERIAL.
3. SOIL TEST REPORTS IF NOT USING PRE-APPROVED MATERIALS. IF USING EXISTING TOPSOIL (METHOD 2), EXISTING TOPSOIL MUST BE TESTED TO ENSURE COMPLIANCE WITH THE MINIMUM ORGANIC CONTENT ABOVE.

E BMP T5.13 - POST CONSTRUCTION QUALITY AND DEPTH

Scale: NTS

Z ENOVIC & ASSOCIATES

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PORT ANGELES, WA 98362
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FAX: (360) 417-0514
EMAIL: ZENOVIC@ZENOVIC.NET

TITLE: LIBERTY STREET SUBSTATION - CORNER OF LIBERTY STREET & LAURSEN BOULEVARD - PORT ANGELES, WA

DRAINAGE DETAILS

CLIENT:
CLALLAM COUNTY PUD #1
104 HOOKER ROAD
SEQUIM, WA 98382

SCALE:

NTS

FILE:

23071 - E2

JOB NO:

23071

DATE:

December 7, 2023

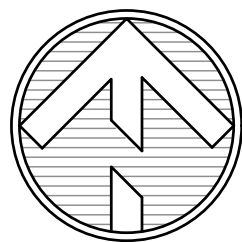
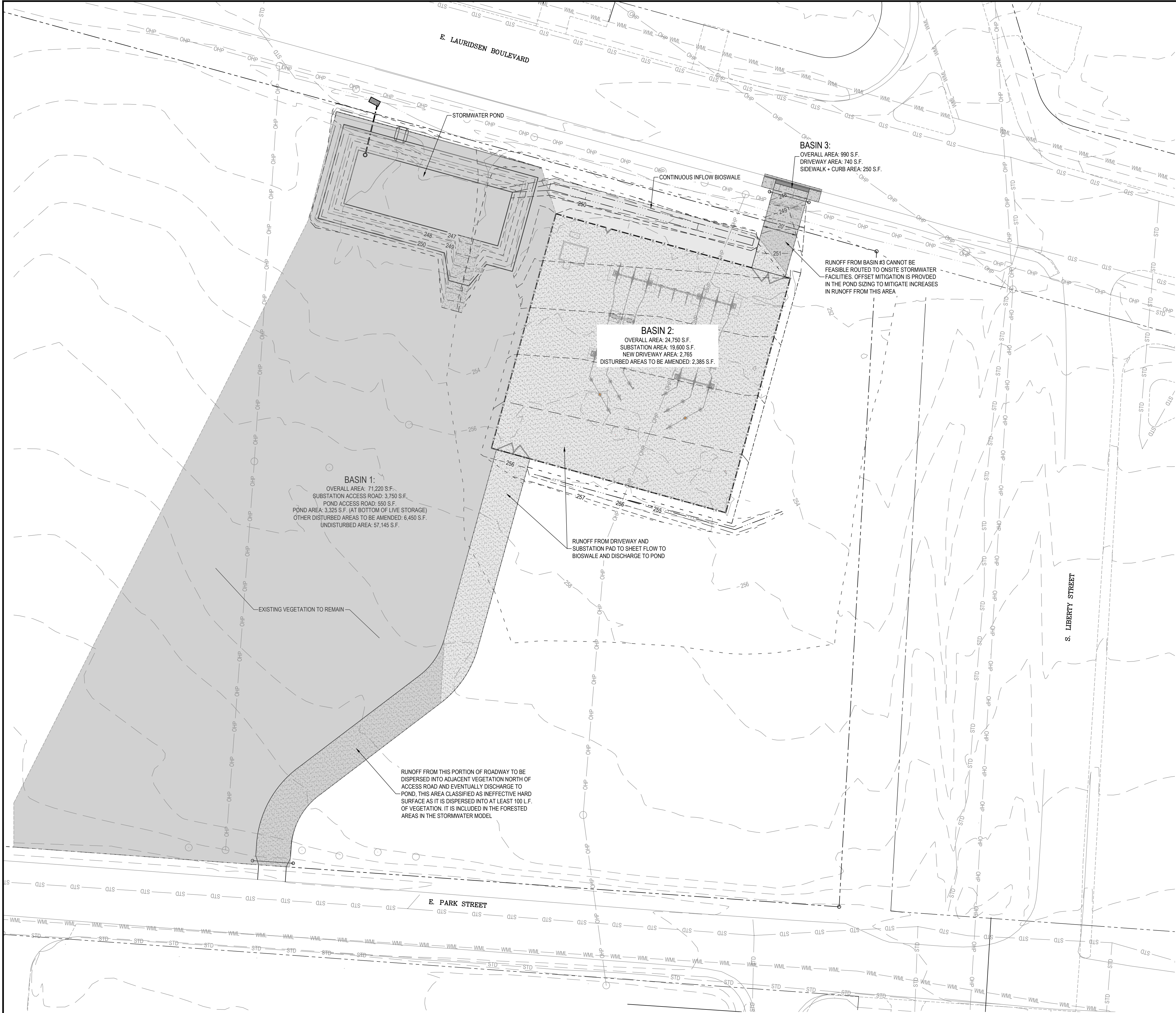
SET:

BID



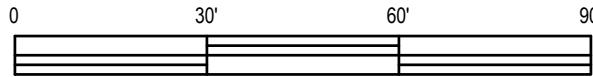
SHEET

C5



SITE PLAN

Scale: 1" = 30'



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REVISIONS:

DATE

MARK

NOTE

TITLE: LIBERTY STREET SUBSTATION - CORNER OF LIBERTY STREET & LAURIDSEN BOULEVARD, PORT ANGELES, WA

BASIN MAP

CLIENT:
CLALLAM COUNTY PUD #1
104 HOOKER ROAD
SEQUIM, WA 98382

SCALE:

1" = 30'

FILE:

23071 - E2

JOB NO:

23071

DATE:

December 7, 2023

SET:

BID



SHEET

C6