# **PORT GAMBLE HISTORIC FOREST PARK STOTTLEMEYER TRAILHEAD PARKING LOT**

# VICINITY MAP



### CONTACTS

### OWNER

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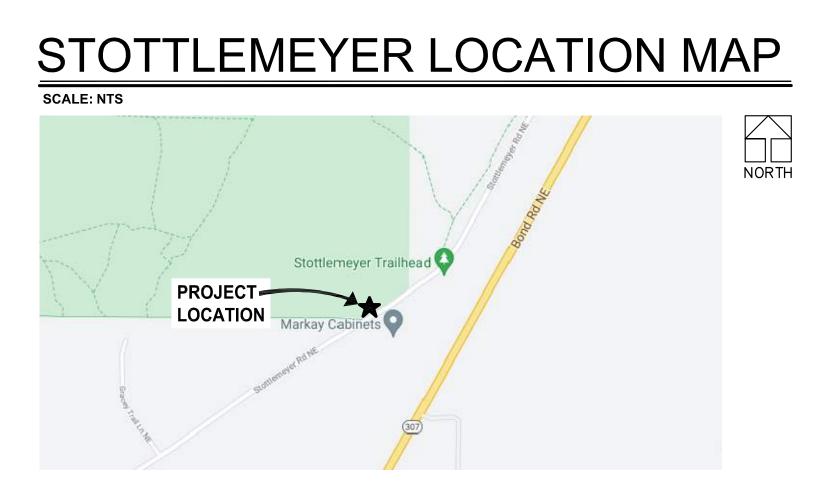
### GEOTECHNICAL

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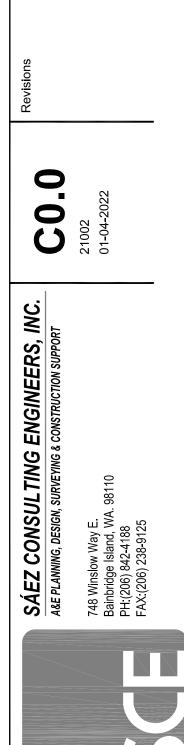
CENTER OF SEC.31 T.27., R.2E. W.M. POULSBO, KITSAP COUNTY, WASHINGTON



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### **GENERAL NOTES:**

- 1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE MOST CURRENT STANDARDPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION PREPARED BY WSDOT AND APWA AS ADOPTED BY THE KITSAP COUNTY **DEPARTMENT OF PUBLIC WORKS (KCPW).**
- 2. ANY REVISIONS TO THE ACCEPTED CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE COUNTY PRIOR TO IMPLEMENTATION IN THE FIELD.
- 3. THE CONTRACTOR SHALL MAINTAIN A SET OF THE ACCEPTED CONSTRUCTION DRAWINGS ON-SITE AT ALL TIMES WHILE CONSTRUCTION IS IN PROGRESS.
- 4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM THE KCPW PRIOR TO COMMENCING ANY WORK WITHIN COUNTY RIGHT-OF-WAY.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL AT ALL TIMES DURING CONSTRUCTION ALONGSIDE OR WITHIN ALL PUBLIC ROADWAYS. TRAFFIC FLOW ON EXISTING PUBLIC ROADWAYS SHALL BE MAINTAINED AT ALL TIMES, UNLESS PERMISSION IS OBTAINED FROM THE KCPW FOR ROAD CLOSURE AND/OR DETOURS.
- 6. THE LOCATION OF EXISTING UTILITIES ON THIS PLAN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL CONTRACT THE "UNDERGROUND LOCATE" CENTER AT 811. AND NON-SUBSCRIBING INDIVIDUAL UTILITY COMPANIES 48 HOURS IN ADVANCE OF THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL PROVIDE FOR PROTECTION OF EXISTING UTILITIES FROM DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS.
- 7. ROCKERIES OR OTHER RETAINING FACILITIES EXCEEDING 4 FT. IN HEIGHT REQUIRE A SEPARATE PERMIT
- 8. A "FORESTRY PRACTICES" PERMIT MAY BE REQUIRED PRIOR TO CLEARING OF THE SITE.

# DRAINAGE NOTES:

- 1. THE CONTRACTOR SHALL ENSURE THAT THE DRAINAGE IS INSTALLED AND OPERATIONAL PRIOR TO COMMENCEMENT OF **PAVING WORK.**
- 2. ALL STEEL PIPE AND PARTS SHALL BE GALVANIZED. ALL SUBMERGED STEEL PIPES AND PARTS SHALL BE GALVANIZED AND HAVE ASPHALT TREATMENT #1 OR BETTER.
- 3. DRAINAGE STUBOUTS ON INDIVIDUAL LOTS SHALL BE LOCATED WITH A FIVE FOOT HIGH 2" X 4" STAKE MARKED "STORM". THE STUBOUT SHALL EXTEND ABOVE SURFACE LEVEL AND BE SECURED TO THE STAKE.

## **GRADING NOTES:**

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF POOR SOILS, GROUNDWATER OR DISCREPANCIES IN THE EXISTING CONDITIONS AS NOTED ON THE PLANS.

- 1. MAXIMUM SLOPE STEEPNESS SHALL BE 2:1 (HORIZONTAL TO VERTICAL) FOR CUT AND FILL SLOPES.
- 2. UNLESS OTHERWISE SPECIFIED. ALL EMBANKMENTS IN THE PLAN SET SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 2-03.3(14)B OF THE WSDOT STANDARD SPECIFICATIONS. EMBANKMENT COMPACTIONS SHALL CONFORM TO SECTION 2-03.3(14)C, METHOD B OF SAID STANDARD SPECIFICATIONS.
- 3. EMBANKMENTS DESIGNED TO IMPOUND WATER SHALL BE COMPACTED TO 95% MAXIMUM DENSITY PER SECTION 2-03.3(14)C, METHOD C OF WSDOT STANDARD SPECIFICATIONS.
- 4. ALL AREAS RECEIVING FILL MATERIAL SHALL BE PREPARED BY REMOVING VEGETATION, NON-COMPLYING FILL, TOPSOIL AND OTHER UNSUITABLE MATERIAL, BY SCARIFYING THE SURFACE TO PROVIDE A BOND WITH THE NEW FILL, AND WHERE SLOPES ARE STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL AND THE HEIGHT IS GREATER THAN 5 FT., BY BENCHING INTO SOUND COMPETENT MATERIAL AS DETERMINED BY A SOILS ENGINEER.

# **INSPECTION SCHEDULE:**

THE CONTRACTOR SHALL NOTIFY COMMUNITY DEVELOPMENT TO ARRANGE FOR INSPECTION OF THE VARIOUS PHASES OF WORK CHECKED BELOW. ALL INSPECTIONS SHALL BE COMPLETED PRIOR TO PROCEEDING WITH THE NEXT PHASE OF WORK.

- 1. CLEARING LIMITS.
- 2. IMPLEMENTATION OF THE VARIOUS PHASES OF THE EROSION AND SEDIMENTATION CONTROL PLAN.
- 3. PLACEMENT OF DRAINAGE STRUCTURES PRIOR TO BACK FILLING, INCLUDING POND EMBANKMENTS.
- 4. PRIOR TO PLACEMENT OF THE DETENTION OUTLET CONTROL STRUCTURE (ORIFICE SIZE VERIFIED).
- 5. INSPECTION OF PREPARED SUB-GRADE.
- 6. INSPECTION OF GRAVEL BASE PLACEMENT.
- 7. INSPECTION OF FINE GRADING PRIOR TO PAVING.
- 8. INSPECTION OF PAVING OPERATIONS
- 9. FINAL INSPECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK PERFORMED AND SHALL ENSURE THAT CONSTRUCTION IS ACCEPTABLE TO KITSAP COUNTY. IF INSPECTION IS NOT CALLED FOR PRIOR TO COMPLETION OF ANY ITEM OF WORK SO DESIGNATED. SPECIAL DESTRUCTIVE AND/OR NON-DESTRUCTIVE TESTING PROCEDURES MAY BE REQUIRED TO ENSURE THE ACCEPTABILITY OF THE WORK. IF SUCH PROCEDURES ARE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE TESTING AND/OR RESTORATION OF THE WORK.

## CONSTRUCTION SEQUENCE:

- 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S).
- 3. CONSTRUCT FILTER FENCE BARRIERS.
- 4. CONSTRUCT SEDIMENTATION BASINS.
- 5. CONSTRUCT RUNOFF INTERCEPTION AND DIVERSION DITCHES
- SOILS.
- 8. MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL FACILITIES TO PROVIDE THE REQUIRED PROTECTION OF DOWNSTREAM WATER QUALITY.
- NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 9. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL

- SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR WHEN THE LEVEL OF DEPOSITION REACHES 3. APPROXIMATELY ONE-HALF THE MAXIMUM POTENTIAL DEPTH.

- 1. THE FOLLOWING EROSION AND SEDIMENTATION CONTROL NOTES APPLY TO ALL CONSTRUCTION SITE ACTIVITIES AT ALL TIMES, UNLESS OTHERWISE SPECIFIED ON THESE PLANS:
- 2. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL PLAN DOES NOT CONSTITUTE AN ACCEPTANCE OF THE PERMANENT ROAD OR DRAINAGE DESIGN.
- 3. THE OWNER AND HIS/HER CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PREVENTING SILT-LADEN RUNOFF FROM DISCHARGING FROM THE PROJECT SITE. FAILURE BY THE OWNER AND/OR CONTRACTOR CAN RESULT IN A FINE. THE DESIGNATED TEMPORARY CONTACT PERSON NOTED ON THIS PLAN MUST BE AVAILABLE FOR CONTACT BY TELEPHONE ON A 24 HOUR BASIS THROUGHOUT CONSTRUCTION AND UNTIL THE PROJECT HAS BEEN COMPLETED AND ACCEPTED BY THE COUNTY.
- 4. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR FROM THE BEGINNING OF CONSTRUCTION UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY THE COUNTY AND THE SITE IS STABILIZED.
- 5. PRIOR TO BEGINNING ANY WORK ON THE PROJECT SITE, A PRECONSTRUCTION CONFERENCE MUST BE HELD, AND SHALL BE ATTENDED BY THE GENERAL CONTRACTOR, THE PROJECT ENGINEER, REPRESENTATIVES FROM AFFECTED UTILITIES, AND A REPRESENTATIVE OF KITSAP COUNTY.
- 6. THE EROSION AND SEDIMENTATION CONTROL FACILITIES SHOWN ON THIS PLAN ARE TO BE CONSIDERED ADEQUATE BASIC REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, DEVIATIONS FROM THIS PLAN MAY BE NECESSARY IN ORDER TO MAINTAIN WATER QUALITY. MINOR DEPARTURES FROM THIS PLAN ARE PERMITTED SUBJECT TO THE APPROVAL OF THE COUNTY INSPECTOR. HOWEVER, EXCEPT FOR EMERGENCY SITUATIONS, ALL OTHER DEVIATIONS FROM THIS PLAN MUST BE DESIGNED BY THE PROJECT ENGINEER AND APPROVED BY KITSAP COUNTY PRIOR TO INSTALLATION.
- 7. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY THE OWNER AND/OR CONTRACTOR ON A FREQUENT BASIS AND IMMEDIATELY AFTER EACH RAINFALL, AND MAINTAINED AS NECESSARY TO INSURE THEIR CONTINUED FUNCTIONING, ALL SEDIMENT MUST BE REMOVED FROM SILT FENCES, STRAW BALES, SEDIMENT PONDS, ETC. PRIOR TO THE SEDIMENT REACHING 1/3 ITS MAXIMUM POTENTIAL DEPTH.
- 8. AT NO TIME SHALL CONCRETE, CONCRETE BY-PRODUCTS, VEHICLE FLUIDS, PAINT, CHEMICALS, OR OTHER POLLUTING MATTER BE PERMITTED TO DISCHARGE TO THE TEMPORARY OR PERMANENT DRAINAGE SYSTEM, OR TO DISCHARGE FROM THE PROJECT SITE.
- 9. PERMANENT DETENTION/RETENTION PONDS, PIPES, TANKS OR VAULTS MAY ONLY BE USED FOR SEDIMENT CONTAINMENT WHEN SPECIFICALLY INDICATED ON THESE PLANS.

### CENTER OF SEC.31 T.27., R.2E. W.M. POULSBO, KITSAP COUNTY, WASHINGTON

1. APPLY FOR AND PICK UP ANY RIGHT OF WAY PERMITS FROM KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS.

- 6. CLEAR AND GRADE THE MINIMUM SITE AREA REQUIRED FOR CONSTRUCTION OF THE VARIOUS PHASES OF WORK.
- 7. PROVIDE TEMPORARY HYDROSEEDING OR OTHER SOURCE CONTROL STABILIZATION MEASURES ON ALL DISTURBED
- 10. PROVIDE PERMANENT SITE STABILIZATION.
- 11. EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL NOT BE REMOVED UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY KITSAP COUNTY.

### **TESC MAINTENANCE REQUIREMENTS:**

- 1. EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE INSPECTED AFTER EACH STORM EVENT AND DAILY DURING PROLONGED RAINFALL.
- 2. NECESSARY REPAIRS OR REPLACEMENT OF FACILITIES SHALL BE ACCOMPLISHED PROMPTLY.
- 4. SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC FACILITIES ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- 5. TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE MAINTAINED BY:

### GENERAL EROSION AND SEDIMENTATION CONTROL NOTES

## MINIMUM EROSION AND SEDIMENTATION CONTROL REQUIREMENTS

- SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS.
- DICTATE.
- **OBSERVATIONS.**
- THE OWNER.
- CONSTRUCTION.
- COMBINATION OF THESE MEASURES AND OTHER APPROPRIATE BMPS.
- ITEM (1) ABOVE.
- WITH ITEM (1) ABOVE.
- DOWNSTREAM IMPACTS.
- REACHES SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.
- SYSTEM CAN BE ADEQUATELY CLEANED FOLLOWING SITE STABILIZATION.
- TO RUNOFF LEAVING THE SITE.
- RETAINING THE MEASURES WILL BE EVALUATED ON A SITE-SPECIFIC BASIS.
- LEAVING THE SITE.
- ARE IMMEDIATELY RETURNED TO NORMAL OPERATING CONDITION.
- OF THE KITSAP COUNTY CODE.

STABILIZATION AND SEDIMENT TRAPPING. ALL EXPOSED AND UNWORKED SOILS, INCLUDING SOIL STOCKPILES, SHALL BE STABILIZED BY SUITABLE APPLICATION OF BMPS THAT PROTECT SOIL FROM THE EROSIVE FORCES OF RAINDROP IMPACT AND FLOWING WATER. APPLICABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO VEGETATIVE ESTABLISHMENT, MULCHING. PLASTIC COVERING. AND THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED. FROM OCTOBER 1 TO APRIL 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS

2. AT ALL TIMES OF THE YEAR, THE CONTRACTOR SHALL HAVE SUFFICIENT MATERIALS, EQUIPMENT AND LABOR ON-SITE TO STABILIZE AND PREVENT EROSION FROM ALL DENUDED AREAS WITHIN 12-HOURS AS SITE AND WEATHER CONDITIONS

3. FROM OCTOBER 1ST TO APRIL 30TH, THE PROJECT ENGINEER SHALL VISIT THE DEVELOPMENT SITE A MINIMUM OF ONCE PER WEEK FOR THE PURPOSE OF INSPECTING THE EROSION AND SEDIMENTATION CONTROL FACILITIES, REVIEWING THE PROGRESS OF CONSTRUCTION, AND VERIFYING THE EFFECTIVENESS OF THE EROSION CONTROL MEASURES BEING UNDERTAKEN. THE PROJECT ENGINEER SHALL IMMEDIATELY INFORM THE COUNTY OF ANY PROBLEMS OR POTENTIAL PROBLEMS OBSERVED DURING SAID SITE VISITS, AS WELL AS OF ANY RECOMMENDED CHANGES IN THE EROSION CONTROL MEASURES TO BE UNDERTAKEN. WHEN REQUESTED BY THE COUNTY, THE PROJECT ENGINEER SHALL PROVIDE THE COUNTY WITH WRITTEN RECORDS OF SAID WEEKLY SITE VISITS, INCLUDING DATES OF VISITS AND NOTED SITE

4. IN THE EVENT THAT GROUND ON A PROJECT SITE IS LEFT BARE AFTER SEPTEMBER 30TH, THE COUNTY MAY ISSUE A STOP WORK ORDER FOR THE ENTIRE PROJECT UNTIL SATISFACTORY CONTROLS ARE PROVIDED. IN ADDITION, THE OWNER WILL BE SUBJECT TO THE PENALTIES PROVIDED IN SECTION 12.32 OF THE KITSAP COUNTY CODE.

5. IN THE EVENT THAT GROUND ON A PROJECT SITE IS LEFT BARE AFTER SEPTEMBER 30TH, AND THE COUNTY IS UNSUCCESSFUL IN CONTACTING THE OWNER OR HIS/HER DESIGNATED EMERGENCY CONTACT PERSON, THE COUNTY MAY ENTER THE PROJECT SITE AND INSTALL TEMPORARY GROUND COVER MEASURES AND BILL THE OWNER FOR ALL EXPENSES INCURRED BY THE COUNTY. THESE COSTS WILL BE IN ADDITION TO ANY MONETARY PENALTIES LEVIED AGAINST

6. DELINEATION OF CLEARING AND EASEMENT LIMITS. CLEARING LIMITS, SETBACKS, BUFFERS, AND SENSITIVE OR CRITICAL AREAS SUCH AS STEEP SLOPES, WETLANDS AND RIPARIAN CORRIDORS SHALL BE CLEARLY MARKED IN THE FIELD AND INSPECTED BY KITSAP COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT PRIOR TO COMMENCEMENT OF LAND CLEARING ACTIVITIES, DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF

PROTECTION OF ADJACENT PROPERTIES. 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

TIMING AND STABILIZATION OF SEDIMENT TRAPPING MEASURES. SEDIMENT PONDS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER BMPS INTENDED TO TRAP SEDIMENT ON-SITE SHALL BE CONSTRUCTED AS A FIRST STEP IN GRADING. THESE BMPS SHALL BE FUNCTIONAL BEFORE LAND DISTURBING ACTIVITIES TAKE PLACE. EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS SHALL BE STABILIZED ACCORDING TO THE TIMING INDICATED IN

SLOPE STABILIZATION. CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. ROUGHENED SOIL SURFACES ARE PREFERRED TO SMOOTH SURFACES. INTERCEPTORS SHOULD BE CONSTRUCTED AT THE TOP OF LONG, STEEP SLOPES WHICH HAVE SIGNIFICANT AREAS ABOVE THAT CONTRIBUTE RUNOFF. CONCENTRATED RUNOFF SHOULD NOT BE ALLOWED TO FLOW DOWN THE FACE OF A CUT OR FILL SLOPE UNLESS CONTAINED WITHIN AN ADEQUATE CHANNEL OR PIPE SLOPE DRAIN. WHEREVER A SLOPE FACE CROSSES A WATER SEEPAGE PLANE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHOULD BE PROVIDED. IN ADDITION. SLOPES SHOULD BE STABILIZED IN ACCORDANCE

10. CONTROLLING OFF-SITE EROSION. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM THE DEVELOPMENT SITE BY THE IMPLEMENTATION OF APPROPRIATE BMPS TO MINIMIZE ADVERSE

11. STABILIZATION OF TEMPORARY CONVEYANCE CHANNELS AND OUTLETS. ALL TEMPORARY ON-SITE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED AND STABILIZED TO PREVENT EROSION FROM THE EXPECTED FLOW VELOCITY FROM A 2-YEAR FREQUENCY, 24-HOUR DURATION STORM FOR THE POST DEVELOPMENT CONDITION. STABILIZATION ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACENT STREAMBANKS, SLOPES AND DOWNSTREAM

12. STORM DRAIN INLET PROTECTION. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. AFTER PROPER WRITTEN APPLICATION, THE REQUIREMENT FOR INLET PROTECTION MAY BE WAIVED BY THE COUNTY ON A SITE-SPECIFIC BASIS WHEN THE CONVEYANCE SYSTEM DOWNSTREAM OF THE INLET DISCHARGES TO AN APPROPRIATE SEDIMENT CONTAINMENT BMP AND THE CONVEYANCE

13. UNDERGROUND UTILITY CONSTRUCTION. THE CONSTRUCTION OF UNDERGROUND UTILITY LINES SHALL BE LIMITED, WHERE FEASIBLE, TO NO MORE THAN 500 FEET OF OPEN TRENCH AT ANY ONE TIME. WHERE CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS, EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH. DEWATERING DEVICES SHALL DISCHARGE TO AN APPROPRIATE SEDIMENT TRAP OR POND, PRECEDED BY ADEQUATE ENERGY DISSIPATION, PRIOR

14. CONSTRUCTED ACCESS ROUTES. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED ROADS, PROVISIONS MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) ONTO THE PAVED ROAD BY USE OF APPROPRIATE BMPS SUCH AS A STABILIZED CONSTRUCTION ENTRANCE. IF SEDIMENT IS TRANSPORTED ONTO A ROAD SURFACE, THE ROADS SHALL BE CLEANED THOROUGHLY, AS A MINIMUM, AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

15. REMOVAL OF TEMPORARY BMPS. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON-SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL OF TEMPORARY BMPS SHALL BE PERMANENTLY STABILIZED. THE REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL BMPS MAY NOT BE REQUIRED FOR THOSE PROJECTS, SUCH AS SINGLE FAMILY PLATS, THAT WILL BE FOLLOWED BY ADDITIONAL CONSTRUCTION UNDER A DIFFERENT PERMIT. IN THESE CIRCUMSTANCES, THE NEED FOR REMOVING OR

16. DEWATERING CONSTRUCTION SITES. DEWATERING DEVICES SHALL DISCHARGE INTO AN APPROPRIATE SEDIMENT TRAP OR POND, DESIGNED TO ACCEPT SUCH A DISCHARGE, PRECEDED BY ADEQUATE ENERGY DISSIPATION, PRIOR TO RUNOFF

17. CONTROL OF POLLUTANTS OTHER THAN SEDIMENT ON CONSTRUCTION SITES. ALL POLLUTANTS OTHER THAN SEDIMENT THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND LEGALLY DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORM OR SURFACE WATERS. POLLUTANTS OF CONCERN INCLUDE, BUT ARE NOT LIMITED TO, FUELS, LUBRICANTS, SOLVENTS, CONCRETE BI-PRODUCTS AND CONSTRUCTION MATERIALS

18. MAINTENANCE. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUAL. THE APPLICANT SHALL BE RESPONSIBLE FOR ASSURING THAT ANY SUCH FACILITIES DAMAGED DURING FLOODS, STORMS OR OTHER ADVERSE WEATHER CONDITIONS

19. FINANCIAL LIABILITY. A PERFORMANCE COVENANT OR PERFORMANCE SURETY, SHALL BE REQUIRED FOR ALL PROJECTS TO ENSURE COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, AS OUTLINED IN SECTION 12.12



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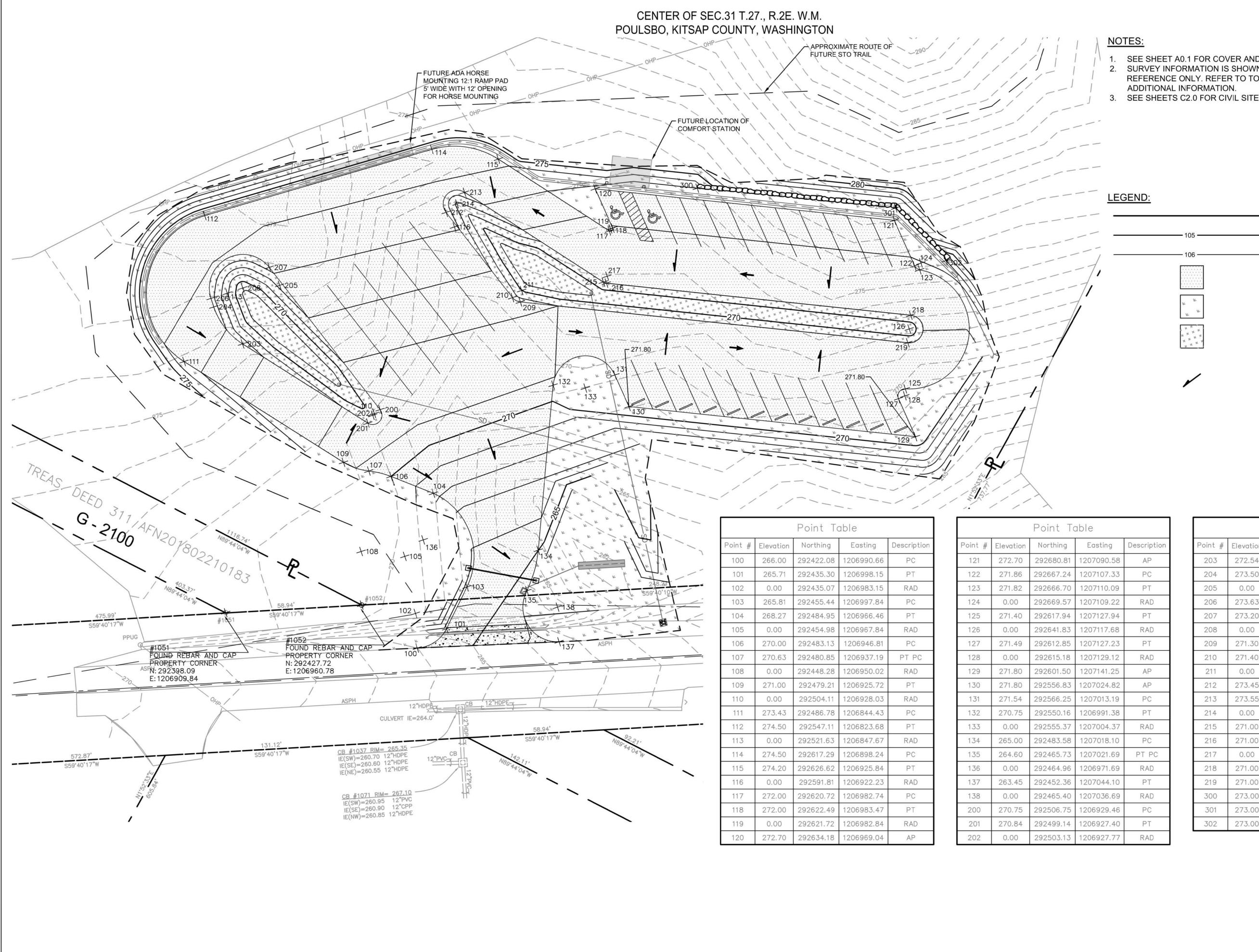
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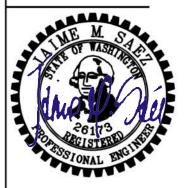


Point Table				
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102	0.00	292435.07	1206983.15	RAD
103	265.81	292455.44	1206997.84	PC
104	268.27	292484.95	1206966.46	PT
105	0.00	292454.98	1206967.84	RAD
106	270.00	292483.13	1206946.81	PC
107	270.63	292480.85	1206937.19	PT PC
108	0.00	292448.28	1206950.02	RAD
109	271.00	292479.21	1206925.72	PT
110	0.00	292504.11	1206928.03	RAD
111	273.43	292486.78	1206844.43	PC
112	274.50	292547.11	1206823.68	PT
113	0.00	292521.63	1206847.67	RAD
114	274.50	292617.29	1206898.24	PC
115	274.20	292626.62	1206925.84	PT
116	0.00	292591.81	1206922.23	RAD
117	272.00	292620.72	1206982.74	PC
118	272.00	292622.49	1206983.47	PT
119	0.00	292621.72	1206982.84	RAD
120	272.70	292634.18	1206969.04	AP

Point Table					
Point #	Elevation	Northing	Easting	Description	
121	272.70	292680.81	1207090.58	AP	
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123	271.82	292666.70	1207110.09	PT	
124	0.00	292669.57	1207109.22	RAD	
125	271.40	292617.94	1207127.94	PT	
126	0.00	292641.83	1207117.68	RAD	
127	271.49	292612.85	1207127.23	PT	
128	0.00	292615.18	1207129.12	RAD	
129	271.80	292601.50	1207141.25	AP	
130	271.80	292556.83	1207024.82	AP	
131	271.54	292566.25	1207013.19	PC	
132	270.75	292550.16	1206991.38	PT	
133	0.00	292555.37	1207004.37	RAD	
134	265.00	292483.58	1207018.10	PC	
135	264.60	292465.73	1207021.69	PT PC	
136	0.00	292464.96	1206971.69	RAD	
137	263.45	292452.36	1207044.10	PT	
138	0.00	292465.40	1207036.69	RAD	
200	270.75	292506.75	1206929.46	PC	
201	270.84	292499.14	1206927.40	PT	
202	0.00	292503.13	1206927.77	RAD	

SEE SHEET A0.1 FOR COVER AND CIVIL GENERAL NOTES. SURVEY INFORMATION IS SHOWN SCREENED IN DRAWING FOR REFERENCE ONLY. REFER TO TOPOGRAPHIC SURVEY FOR

SEE SHEETS C2.0 FOR CIVIL SITE PREP AND TESC PLANS.

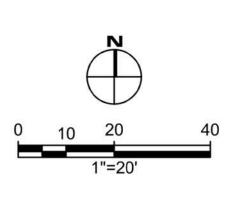


PROPOSED STORM DRAINAGE PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR PROPOSED GRAVEL PAVING SECTION HYDROSEED OR NATIVE PLANTING RESTORATION AREA

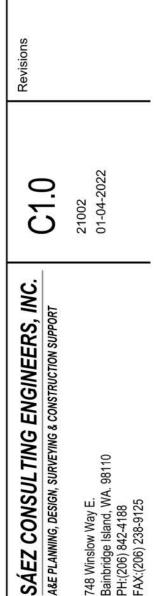
RAINGARDEN PLANTING

SURFACE FLOW ARROW

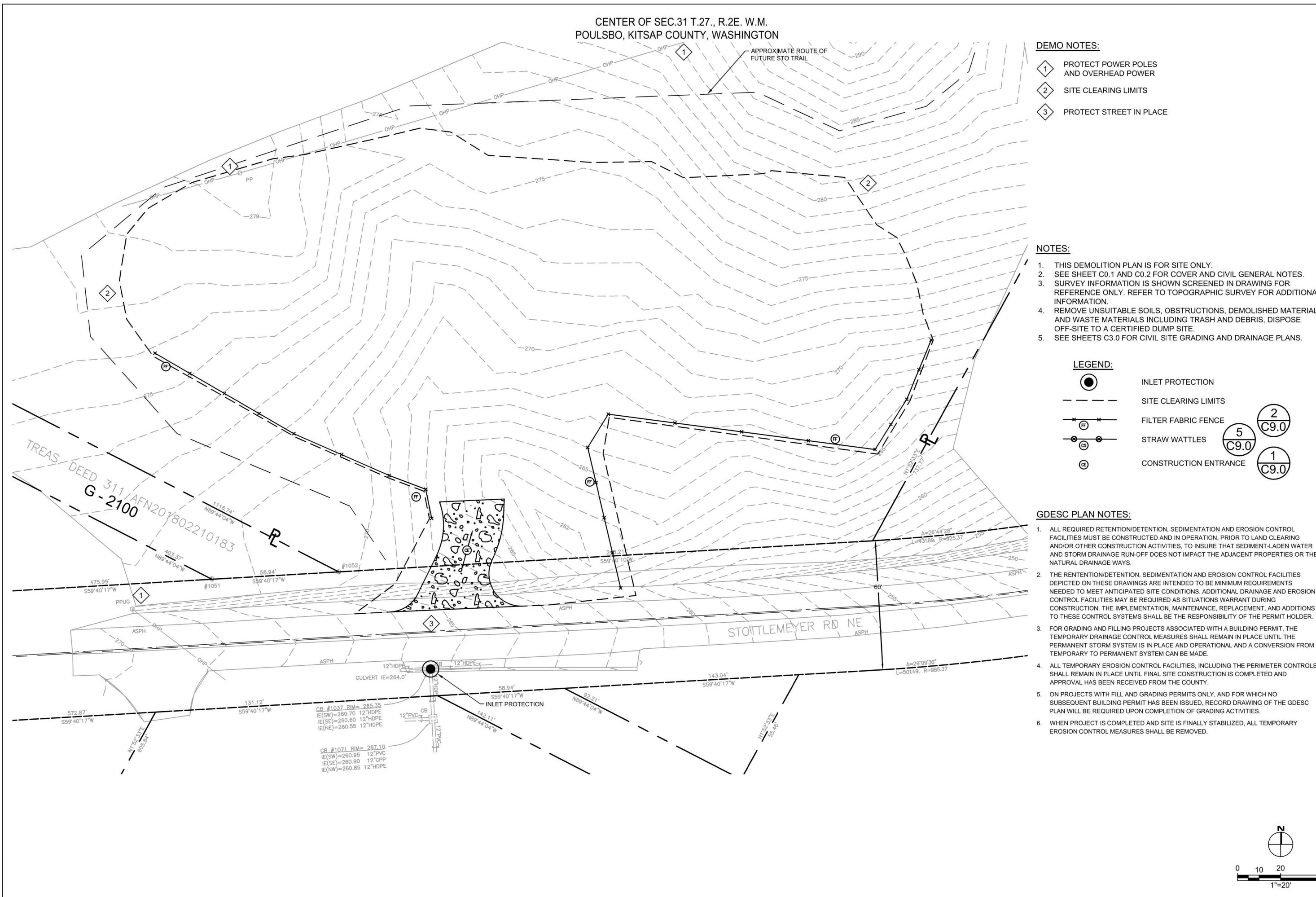
Point Table					
Point #	Elevation	Northing	Easting	Description	
203	272.54	292505.09	1206863.53	PC	
204	273.50	292513.69	1206845.15	PT	
205	0.00	292534.96	1206866.31	RAD	
206	273.63	292516.42	1206842.40	PC	
207	273.20	292539.84	1206858.77	PT	
208	0.00	292526.70	1206852.62	RAD	
209	271.30	292575.83	1206962.40	PC	
210	271.40	292575.97	1206958.49	PT	
211	0.00	292580.50	1206960.61	RAD	
212	273.45	292595.79	1206916.15	PC	
213	273.55	292607.19	1206919.31	PT	
214	0.00	292601.22	1206918.70	RAD	
215	271.00	292599.81	1206990.50	PC	
216	271.00	292599.99	1206991.88	PT	
217	0.00	292602.79	1206990.81	RAD	
218	271.00	292647.43	1207115.53	PC	
219	271.00	292636.23	1207119.83	PT	
300	273.00	292654.48	1207008.27	WALL ST	
301	273.00	292685.82	1207088.64	WALL AP	
302	273.00	292675.46	1207118.48	WALL END	



98370 WA, POULSBO, TRAILHEAD, PLAN LAYOUT ĨR > EME SITE 101 S S



Bai



- REFERENCE ONLY. REFER TO TOPOGRAPHIC SURVEY FOR ADDITIONAL

4. REMOVE UNSUITABLE SOILS, OBSTRUCTIONS, DEMOLISHED MATERIALS, AND WASTE MATERIALS INCLUDING TRASH AND DEBRIS, DISPOSE

AND/OR OTHER CONSTRUCTION ACTIVITIES, TO INSURE THAT SEDIMENT-LADEN WATER AND STORM DRAINAGE RUN-OFF DOES NOT IMPACT THE ADJACENT PROPERTIES OR THE

NEEDED TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL DRAINAGE AND EROSION CONSTRUCTION. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS

PERMANENT STORM SYSTEM IS IN PLACE AND OPERATIONAL AND A CONVERSION FROM

4. ALL TEMPORARY EROSION CONTROL FACILITIES, INCLUDING THE PERIMETER CONTROLS,

SUBSEQUENT BUILDING PERMIT HAS BEEN ISSUED, RECORD DRAWING OF THE GDESC



98370 WA, OULSBO, 1 LAYOUT TRAILHEAD, P&R ĒR TLEMEYER EME TOT Ö S S

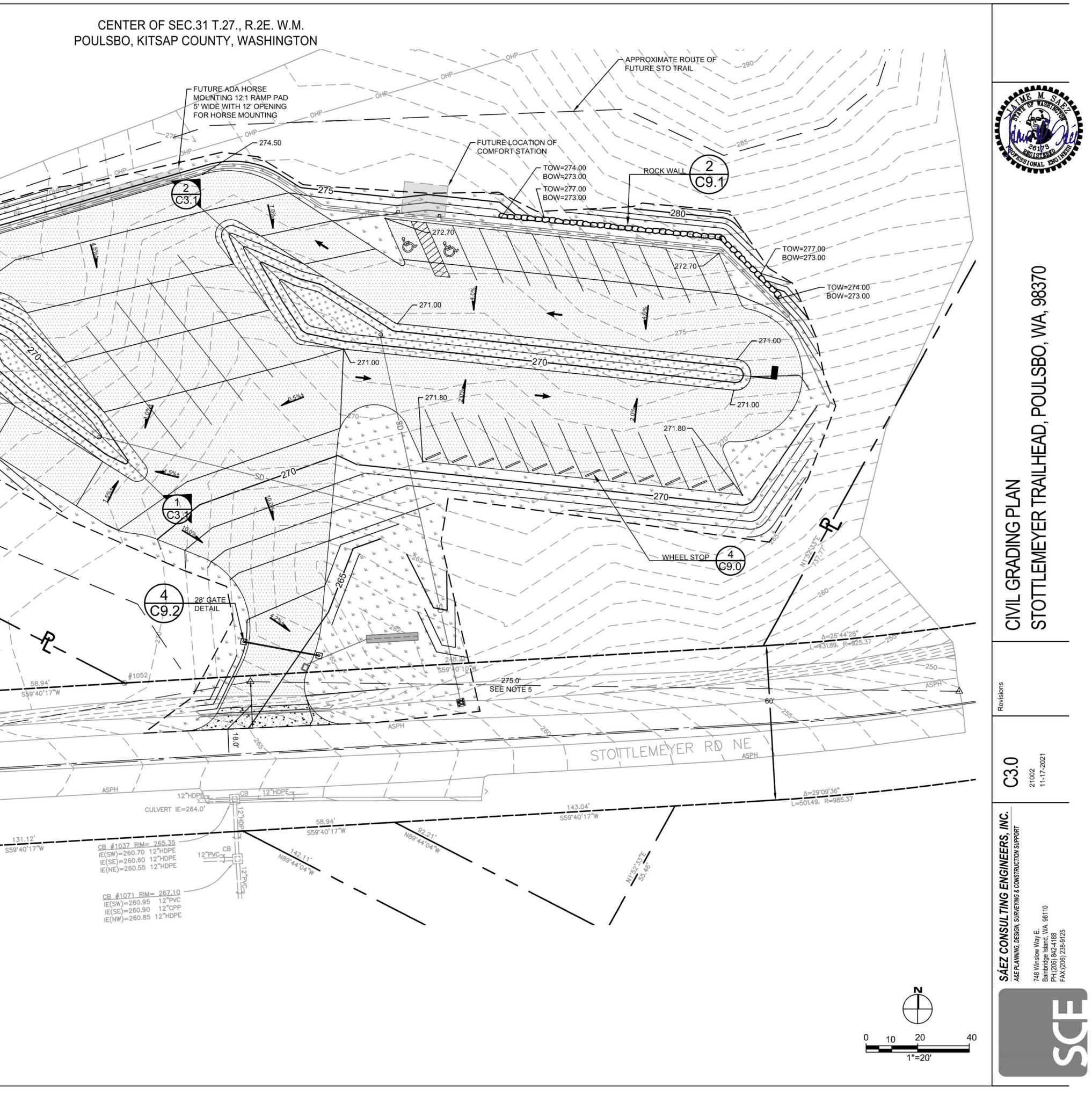


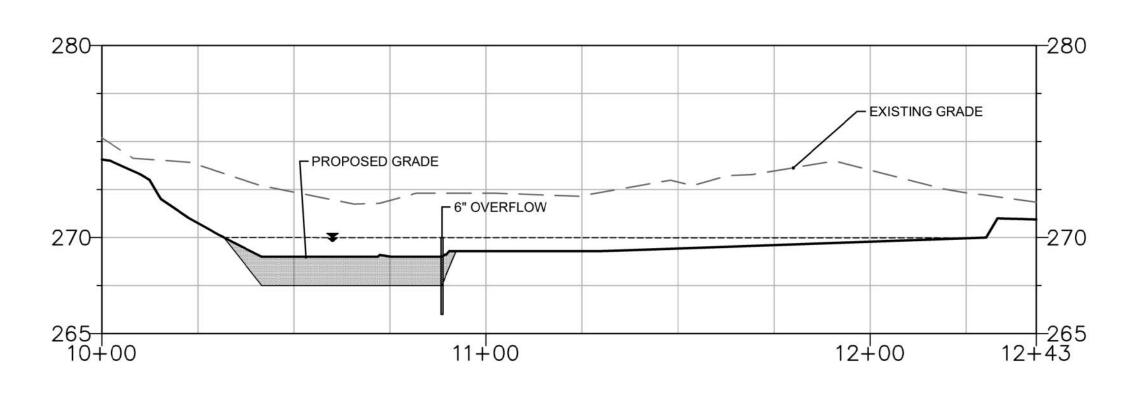
### NOTES:

- SEE SHEET A0.1 FOR COVER AND CIVIL GENERAL NOTES.
   SURVEY INFORMATION IS SHOWN SCREENED IN DRAWING FOR
- REFERENCE ONLY. REFER TO TOPOGRAPHIC SURVEY FOR ADDITIONAL INFORMATION.
- SEE SHEETS C2.0 FOR CIVIL SITE PREP AND TESC PLANS.
   FOR ADDITIONAL SPOT ELEVATIONS SEE CIVIL SITE LAYOUT PLAN
- C1.0.
  5. ENTRY SITE DISTANCE IS CALCULATED PER EXHIBIT 1310-29 FROM THE WSDOT DESIGN MANUAL M 22-01.20 SETEMBER 2021 AS FOLLOWS: Si=1.47Vtg
  FOR 25MPH POSTED SPEED LIMIT ENTRY SIGHT DISTANCE SHALL BE 275'

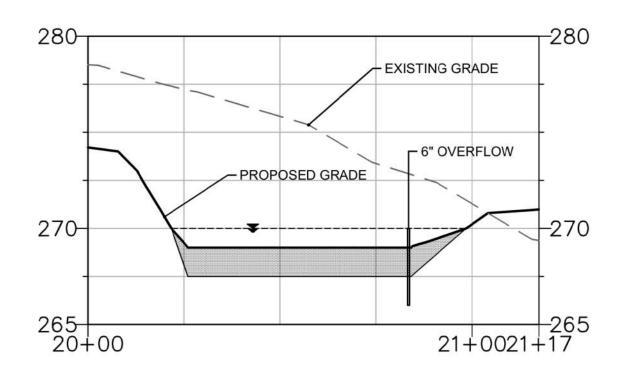
### LEGEND:

	PROPOSED STORM DRAINAGE	
	PROPOSED MAJOR CONTOUR	- 274.50
	PROPOSED MINOR CONTOUR	
	PROPOSED GRAVEL 6 PAVING SECTION C9.1	
K K K	HYDROSEED OR NATIVE PLANTING RESTORATION AREA	
* * * * * * * * * * * * * * *	BIORETENTION PLANTING	
	SURFACE FLOW ARROW	
	TRE	
	REA	S-DEFD
		G 311
		S. DEED 311 G. 2100 AFN20 1802210183 N89 44:04 W
		100221010 1010
		N89.44.04 W
		475.99'
-		PPUG
		ASPH ASPH
		ASPH 5%0
		0410/
	A	
		572.87' \$59°40'17"W
		N1, 32, 33, 4
		600 00
		/





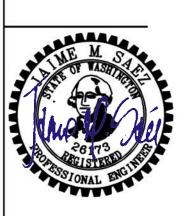
### CENTER OF SEC.31 T.27., R.2E. W.M. POULSBO, KITSAP COUNTY, WASHINGTON



# **BIORETENTION SECTION 1** H: 1" = 25' V: 1" =5'

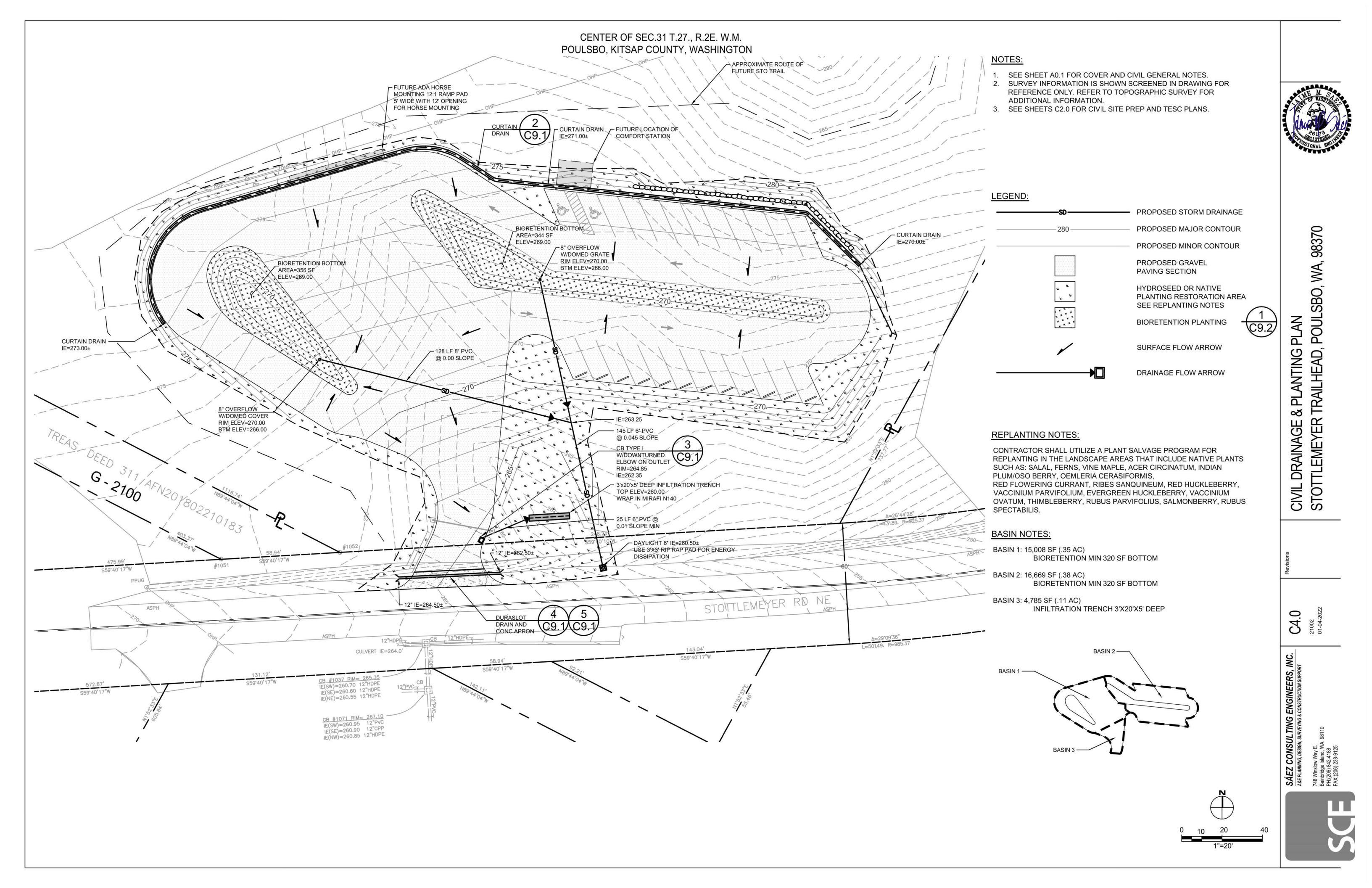
# **BIORETENTION SECTION 2**

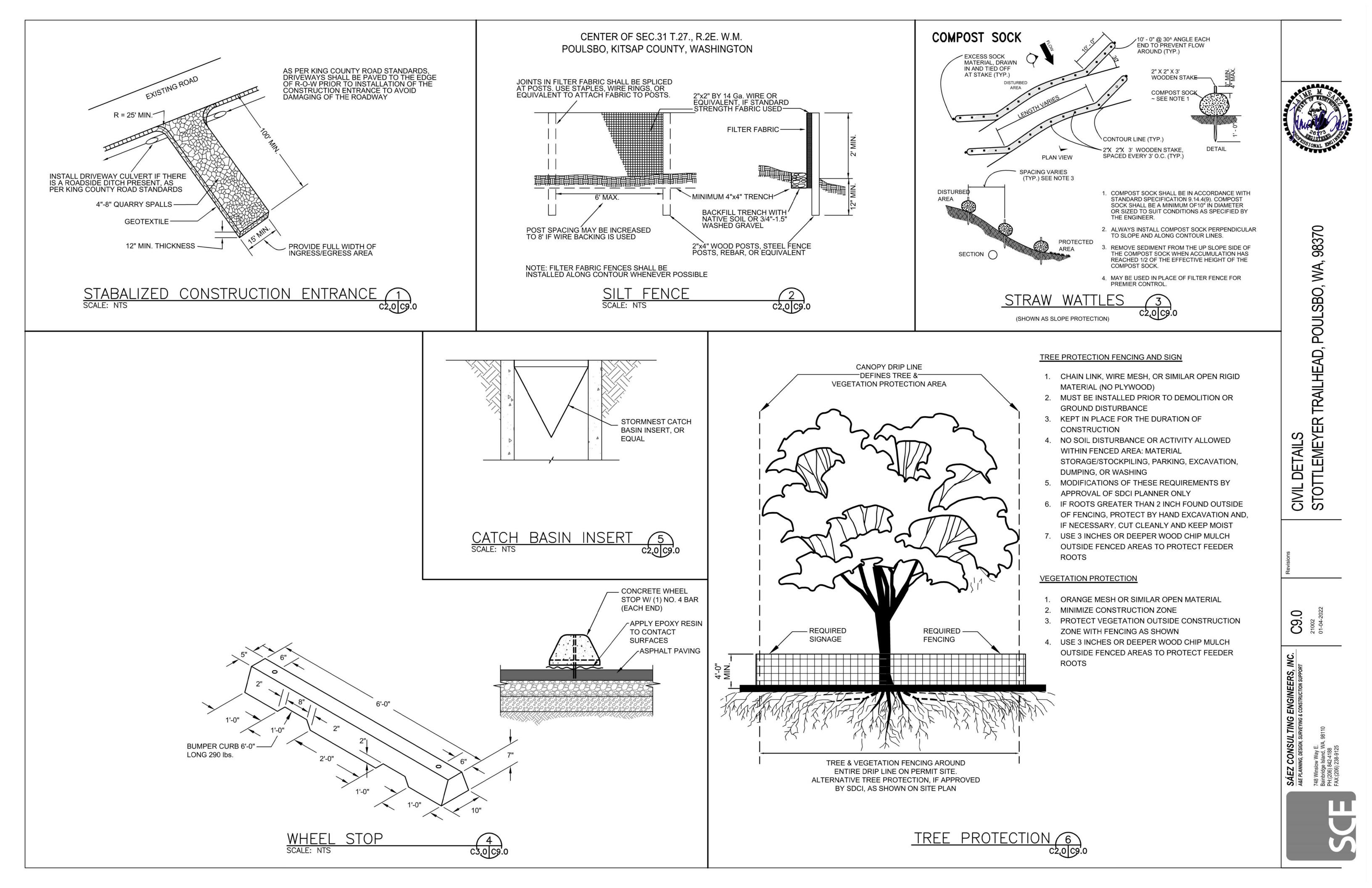
H: 1" = 25' V: 1" =5'

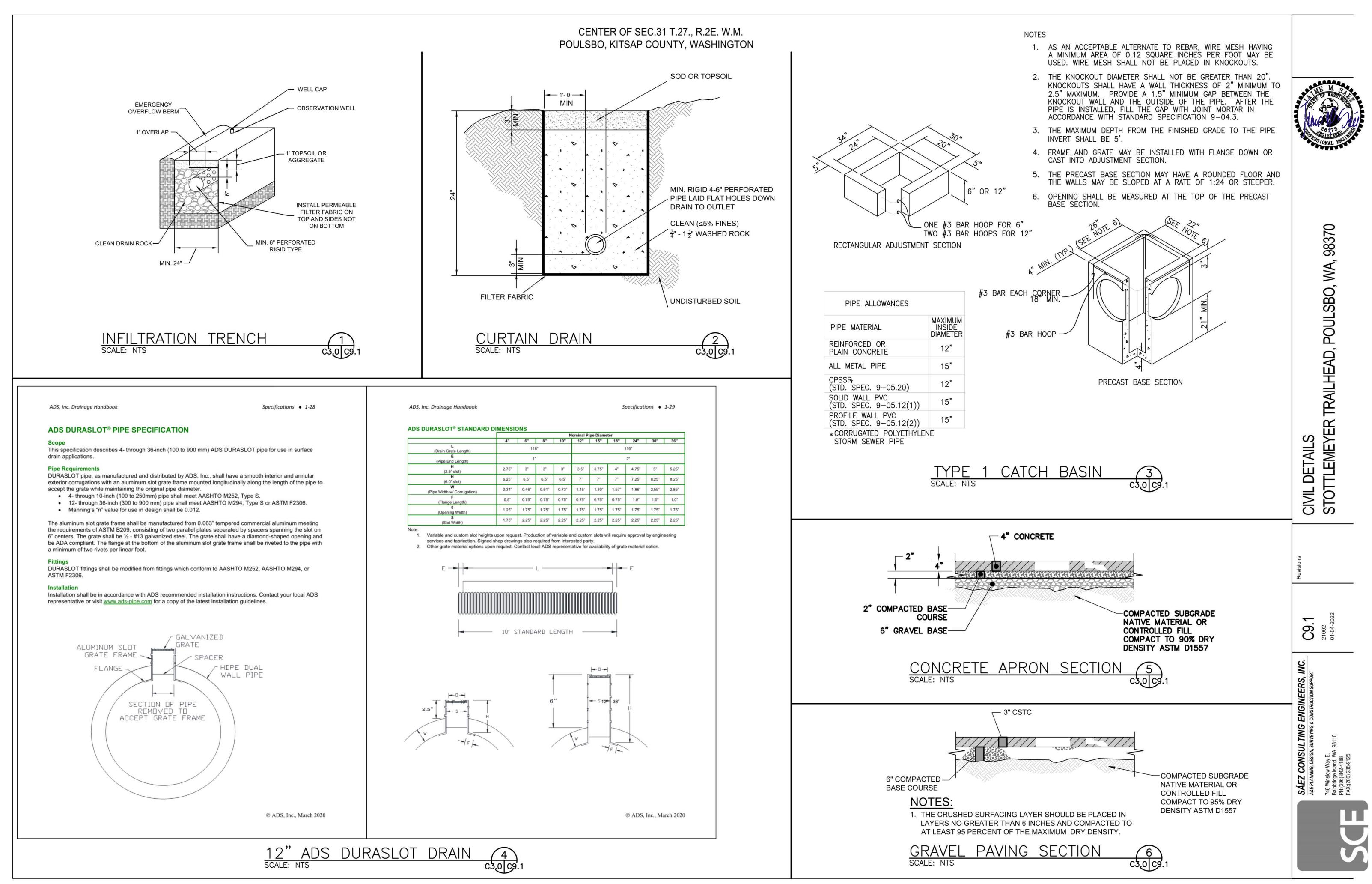


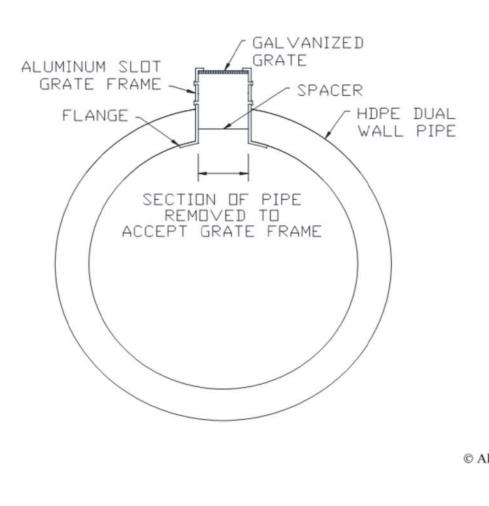
# 98370 OULSBO, WA, TOTTLEMEYER BIORETENTION SECTIONS ď TOTTLEMEYER TRAILHEAD, S S

SÁEZ CONSULTING ENGINEERS, INC.	<u>ر</u> 31	Revis
A&E PLANNING, DESIGN, SURVEYING & CONSTRUCTION SUPPORT		
748 Winslow Way E. Bainbridge Island, WA. 98110 PH:(206) 842-4188 FAX:(206) 238-9125	21002 01-04-2022	

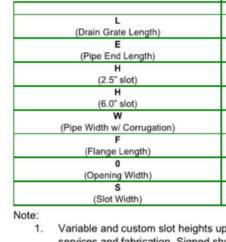


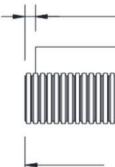


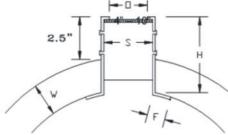


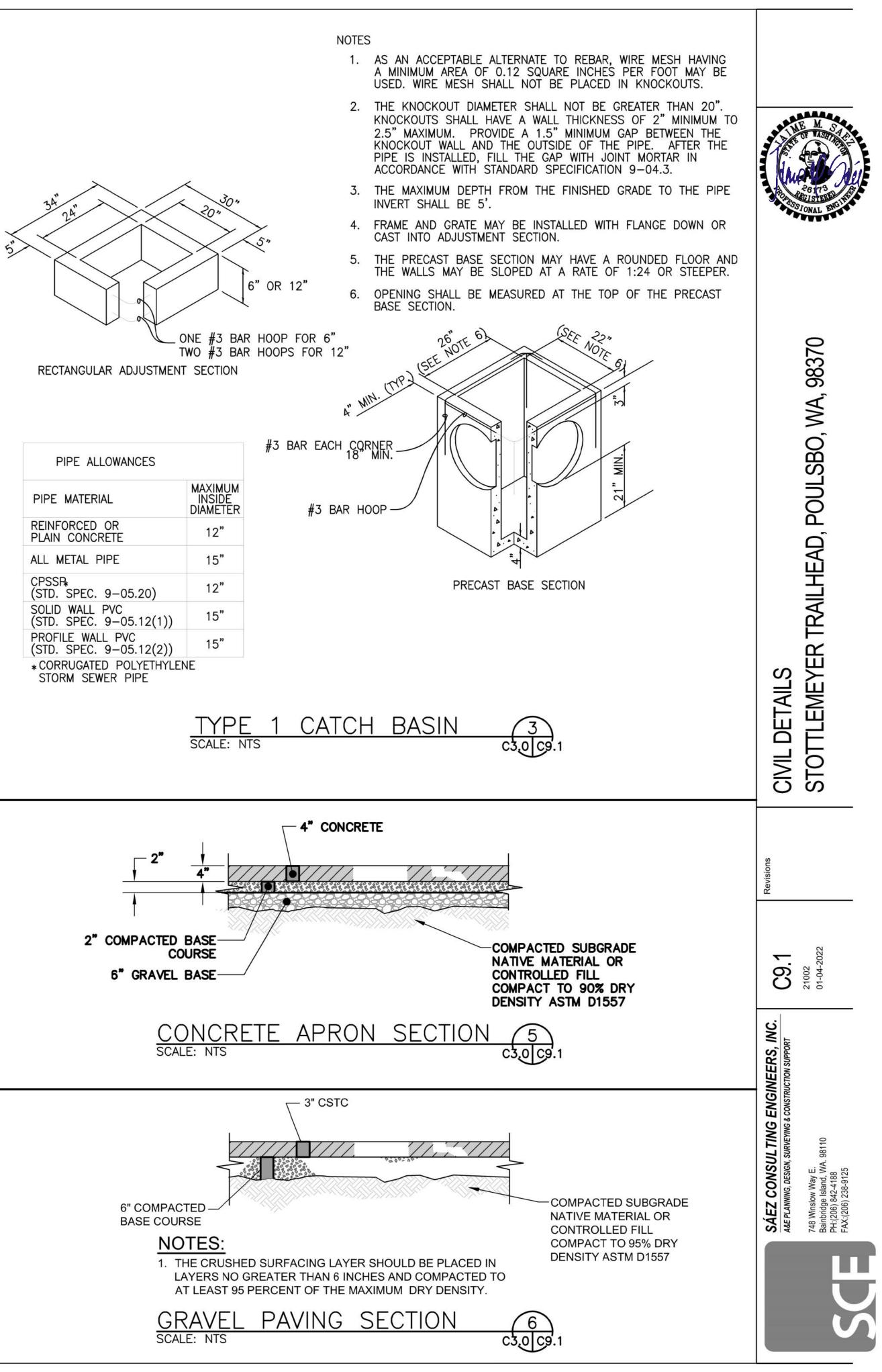




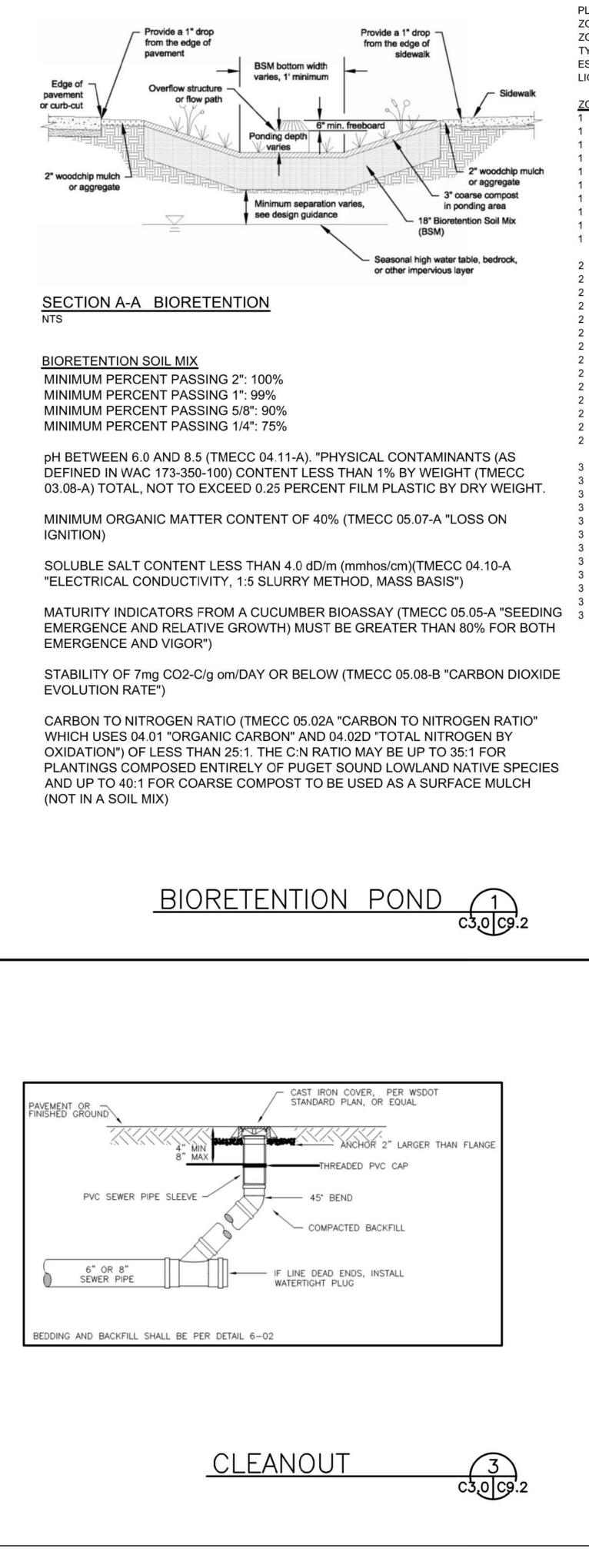












		MERGENI, DS=DECIDUOUS SHRUB,	
		GREEN SHRUB, T=TREE	
G	HT: S=8	SUN, PS=PART SUN, SH=SHADE	
		E BOTANICAL NAME	СОММО
	E	JUNCUS ENSIFOLIUS	DAGGE
	E		TAPER
	E		SLOUG
		SCIRPUS MICROCARPUS	SMALL-
	P	IRIS TENAX	OREGO
	P	SIDALCEA HENDERSONII	HENDE
	DS		PACIFIC
	DS		
	DS		ALPINE
	DS		BLACK
	00		DEAGN
	Р	AQUILEGIA FORMOSA	WESTE
	P	HESPERANTHA COCCINEA	CRIMS
	P	CAMASSIA LEICHTINII	GIANT
	P	TIARELLA TRIFOLIATA	FOAMF
	P	TELLIMA GRANDIFLORA	FRINGE
	DS	SYMPHORICARPOS ALBUS	SNOWE
	DS		
	ES		CREEP
	ES		SALAL
	ES	LONICERA PILEATA	BOXWO
	ES	MAHONIA AQUIFOLIUM 'COMPACTA'	COMPA
	T	AMELANCHIER ALNIFOLIA	WESTE
	Ť		ADIRO
	Ť	ACER CIRCINATUM	VINE M
	Р	ACHILLEA MILLEFOLIUM	YARRO
	P	ERIGERON SPECIOSUS	OREGO
	P	ECHINACEA PURPUREUM	ECHINA
	P	TIARELLA TRIFOLIATA	FOAMF
	P	TELLIMA GRANDIFLORA	FRINGE
	DS	HOLODISCUS DISCOLOR	OCEAN
	DS	RIBES SANGUINEUM	RED-FL
	DS	SYMPHORICARPOS ALBUS	SNOWE
	ES	MAHONIA AQUIFOLIUM	OREGO
	Т	MALUS 'ADIRONDACK'	ADIRO
	Ť	AMELANCHIER ALNIFOLIA	WESTE
	÷		VINEN

