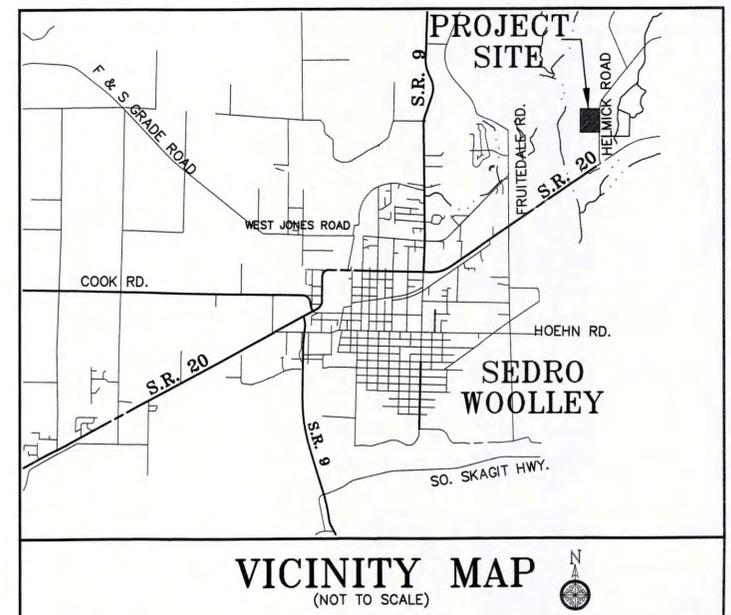
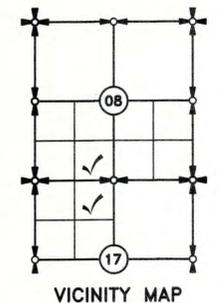
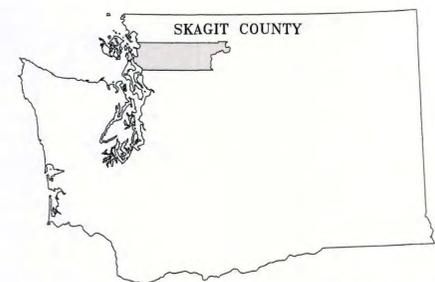


- NOTES:**
1. BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE NORTH ZONE NO. 4601, NAD 83/ 2008.
 2. INSTRUMENTATION USED: DJI PHANTOM 4 PRO DRONE, LEICA VIVA 14 GPS/GNSS RECEIVERS.
 3. DATUM: NAVD88
 4. AERIAL SURVEY CONDUCTED ON THE 3RD OF MARCH, 2020 AT 4:15PM.
 5. PILOT IN COMMAND: MATTHEW SEMRAU PID: 4013647



PROJECT DATA:
 JURISDICTION: SKAGIT COUNTY
 PROJECT ADDRESS: 25749 HELMICK ROAD, SEDRO-WOOLLEY, WA 98283
 TAX PARCEL NOS. P38653, P39265

CONTACTS:
PUGET SOUND ENERGY
 1660 PARK LANE, BURLINGTON, WA 98233
 CONTACT: STEVE GATES
 TEL: (360) 766-5496

OWNER
SKAGIT COUNTY PARKS AND RECREATION
 1730 CONTINENTAL PLACE, MOUNT VERNON, WA 98273
 CONTACT: BRIAN ADAMS, DIRECTOR
 (360) 416-1350

FRONTIER
 595 PEASE ROAD, BURLINGTON, WA 98233
 CONTACT: BRIAN SMITH
 TEL: (360) 707-0641

VERIZON
 595 PEASE ROAD, BURLINGTON, WA 98233
 CONTACT: MARK HEHN
 TEL: (360) 707-0641

LANDSCAPE ARCHITECT
ECCOS DESIGN
 505 SOUTH 1ST STREET SUITE B, MOUNT VERNON, WA 98273
 CONTACT: PATRIK DYLAN, PLA
 (360) 419-7400

PLAN CONTENTS

SHEET NO.	DRAWING TITLE
C1	COVER SHEET & TOPOGRAPHIC SURVEY
C2	TESCP PLAN, NOTES & DETAILS
C2B	DEMO PLAN
C3	GRADING/SITE PLAN
C4	GRADING/SITE PLAN
C5	SWALE PLAN & SECTIONS
C6	NOTES & DETAILS
L1	SITE PLAN
L2	PLAZA LAYOUT
L3	WALL DETAILS
L4	SIGN AND SEAT DETAILS
L5	SIGN FRAME DETAILS
L6	CONCRETE AND SITE DETAILS
L7	TABLE DETAILS
L8	BENCH AND FLAG DETAILS
L9	RACKS, HITCH, FENCE AND BBQ
LP1	PLANTING PLAN
LP2	PLANTING DETAILS
IR1	IRRIGATION PLAN
IR2	IRRIGATION DETAILS
E-1	ELECTRICAL SITE PLAN
E-2	ELECTRICAL RISER DIAGRAM & SCHEDULES
E-3	ELECTRICAL SPECIFICATIONS

SKAGIT COUNTY
 1800 CONTINENTAL PLACE, MT. VERNON, WA 98273
 CONTACT: SHAWN CHRISTENSEN
 TEL: (360) 416-1327

CASCADE NATURAL GAS
 1520 SOUTH 2ND STREET, MOUNT VERNON, WA 98273
 CONTACT: JAMES HOBBS, JR., PE
 TEL: (360) 336-3876

SKAGIT PUD
 1415 FREEWAY DRIVE, MT. VERNON, WA 98273
 CONTACT: MICHAEL DEMERS
 TEL: (360) 848-2157

ENGINEER/SURVEYOR
SEMRAU ENGINEERING & SURVEYING
 2118 RIVERSIDE DRIVE SUITE 208, MOUNT VERNON, WA 98273
 CONTACT: JOHN B. SEMRAU PE, PLS
 BRYANT R. MOORE PE
 TEL: (360) 424-9566

ELECTRICAL
K ENGINEERS, INC.
 208 3RD STREET, LYNDEN, WA 98264
 CONTACT: STEVE TEVELDE, P.E.
 TEL: (360) 354-4757, EXT. 201



SEMRAU ENGINEERING & SURVEYING
 Civil Engineering • Land Surveying • Planning



NO.	DATE	REVISION	BY	REV.

COVER SHEET & TOPOGRAPHIC SURVEY

SCALES:
 HORIZONTAL: 1" = 100'
 VERTICAL: N/A
 NOTE: IF THIS SHEET IS LESS THAN 22"x 34" THEN SHEET HAS BEEN REDUCED

VETERANS COMMUNITY PARK & MEMORIAL WALL
 SECTIONS 8 & 17, T. 34N., R. 5E., W.M.
 JURISDICTION, WASHINGTON

FIELD BK/PG:	324/6-9
DATE:	3/16/22
DRAWING:	5867CS.DWG
JOB NO.:	5867
SHEET:	C1

ESC-1 STANDARD ESC NOTES

1. EROSION CONTROL METHODS AND MATERIALS SHALL MEET REQUIREMENTS OF SECTION 8-01 OF THE APWA/WASHINGTON STATE DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, AND REQUIREMENTS SET FORTH IN VOLUME II OF THE "STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (THE TECHNICAL MANUAL)", BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY, CURRENT EDITION. THE CONTRACTOR SHALL FOLLOW RECOMMENDATIONS MADE BY SUPPLIERS AND MANUFACTURERS OF MATERIALS AND EQUIPMENT USED.
2. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR CONSTRUCTION. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
3. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
4. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
5. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO (2) INCHES.
6. THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE DISTRICT.
7. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
8. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
9. IF ANY PART (S) OF THE CONSTRUCT LIMIT, BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY.
10. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RECLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RELAYING THE STORM LINE.
11. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADE OF THESE FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
12. THE ESC SUPERVISORS NAME IS: BRYANT MOORE, 24 HR. CONTACT NUMBER: (360) 707-8641.
13. THE APPLICANT'S NAME IS: BRIAN ADAMS, 24 HR. CONTACT NUMBER: (360) 416-1356.
14. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
15. ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
16. THE ESC FACILITIES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A STORM EVENT.
17. ANY PERMANENT FLOW CONTROL FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION AS ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.
18. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDING IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDING WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDING AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE CITY INSPECTOR. THE CITY INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.

STANDARD EROSION & SEDIMENTATION CONTROL DETAILS

1. WHERE APPLICABLE PER THE TESC PLAN, UTILIZE WSDOT STANDARD DETAILS FOR EROSION CONTROL MEASURES. THESE INCLUDE, BUT MAY NOT BE LIMITED TO:

AS NEEDED:

WATTLE INSTALLATION ON SLOPES	1-30.30-02	(D) C2
STORM DRAIN INLET PROTECTION	1-40.20-010	
MISCELLANEOUS EROSION CONTROL DETAILS	1-80.10-02	

PER PLAN AS NEEDED:

HIGH VISIBILITY FENCE	1-10.10-01	(A) C2
HIGH VISIBILITY SILT FENCE	1-30.17-00	(B) C2
BIODEGRADABLE CHECK DAMS ON CHANNELS	1-50.20-01	(C) C2

ESC-2 WET SEASON SPECIAL PROVISIONS (OCTOBER 1, - APRIL 30,)

1. THE ALLOWED TIME THAT A DISTURBED AREA CAN REMAIN UNWORKED WITHOUT COVER MEASURES IS REDUCED TO TWO DAYS, RATHER THAN SEVEN.
2. STOCKPILES AND STEEP CUT AND FILL SLOPES ARE TO BE PROTECTED IF UNWORKED FOR MORE THAN 12 HOURS.
3. COVER MATERIALS SUFFICIENT TO COVER ALL DISTURBED AREAS SHALL BE STOCKPILED ON SITE.
4. ALL AREAS THAT ARE TO BE UNWORKED DURING THE WET SEASON SHALL BE SEEDING WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON.
5. MULCH IS REQUIRED TO PROTECT ALL SEEDING AREAS.
6. FIFTY LINEAR FEET OF SILT FENCE (AND THE NECESSARY STAKES) PER ACRE OF DISTURBANCE MUST BE STOCKPILED ON SITE.
7. CONSTRUCTION ROAD AND PARKING LOT STABILIZATION ARE REQUIRED FOR ALL SITES UNLESS THE SITE IS UNDERLAIN BY COARSE-GRAINED SOIL.
8. SEDIMENT RETENTION IS REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIC DESIGN FLOW.
9. SURFACE WATER CONTROLS ARE REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW.
10. PHASING AND MORE CONSERVATIVE BMP'S MUST BE EVALUATED FOR CONSTRUCTION ACTIVITY NEAR SURFACE WATERS.
11. ANY RUNOFF GENERATED BY DEWATERING SHALL BE TREATED THROUGH CONSTRUCTION OF A SEDIMENT TRAP WHEN THERE IS SUFFICIENT SPACE OR BY RELEASING THE WATER TO A WELL-VEGETATED, GENTLY SLOPING AREA. SINCE PUMPS ARE USED FOR DEWATERING, IT MAY BE POSSIBLE TO PUMP THE SEDIMENT-LADEN WATER WELL AWAY FROM THE SURFACE WATER SO THAT VEGETATION CAN BE MORE EFFECTIVELY UTILIZED FOR TREATMENT. A STRAW BALE FILTER SHALL BE PLACED AROUND THE DISCHARGE FROM THE DEWATERING PUMP. IF THERE IS NOT SPACE FOR A SEDIMENT TRAP OR 25 FEET OF SUITABLE VEGETATION, OTHER FILTRATION METHODS SHALL BE REQUIRED.
12. THE FREQUENCY OF MAINTENANCE REVIEW INCREASES FROM MONTHLY TO WEEKLY.

ESC-3 SENSITIVE AREAS SPECIAL PROVISIONS

1. WHENEVER POSSIBLE, PHASE ALL OR PART OF THE PROJECT SO THAT IT OCCURS DURING THE DRY SEASON. IF THIS IS IMPOSSIBLE, NOVEMBER THROUGH FEBRUARY SHALL BE AVOIDED SINCE THIS IS THE MOST LIKELY PERIOD FOR LARGE, HIGH-INTENSITY STORMS.
2. ALL PROJECT SHALL BE COMPLETED AND STABILIZED AS QUICKLY AS POSSIBLE, LIMITING THE SIZE AND DURATION OF A PROJECT IS PROBABLY THE MOST EFFECTIVE FORM OF EROSION CONTROL.
3. WHERE APPROPRIATE, SANDBAGS OR AN EQUIVALENT BARRIER SHALL BE CONSTRUCTED BETWEEN THE PROJECT AREA AND THE SURFACE WATER IN ORDER TO ISOLATE THE CONSTRUCTION AREA FROM HIGH WATER THAT MIGHT RESULT DUE TO PRECIPITATION.
4. ADDITIONAL PERIMETER PROTECTION SHALL BE CONSIDERED TO REDUCE THE LIKELIHOOD OF SEDIMENT ENTERING THE SURFACE WATERS. SUCH PROTECTION MIGHT INCLUDE MULTIPLE SILT FENCES, SILT FENCES WITH A HIGHER AOS, CONSTRUCTION OF A BERM, OR A THICK LAYER OF ORGANIC MULCH UPSLOPE OF A SILT FENCE.
5. IF WORK IS TO OCCUR WITHIN THE ORDINARY HIGH WATER MARK OF A STREAM, MOST PROJECTS MUST ISOLATE THE WORK AREA FROM THE STREAM BY DIVERTING THE STREAM OR CONSTRUCTING A COFFERDAM. CERTAIN SMALL PROJECTS THAT PROPOSE ONLY A SMALL AMOUNT OF GRADING MAY NOT REQUIRE ISOLATION SINCE DIVERSIONS TYPICALLY RESULT IN DISTURBANCE AND THE RELEASE OF SOME SEDIMENT TO THE STREAM. FOR SUCH SMALL PROJECTS THE POTENTIAL IMPACTS FROM CONSTRUCTION WITH AND WITHOUT A DIVERSION MUST BE WEIGHED.
6. IF A STREAM MUST BE CROSSED, A TEMPORARY BRIDGE SHALL BE CONSIDERED RATHER THAN ALLOWING EQUIPMENT TO UTILIZE THE STREAMBED FOR A CROSSING.

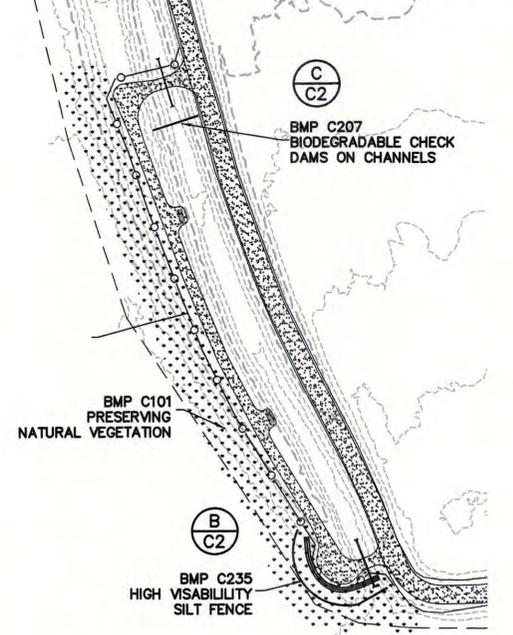
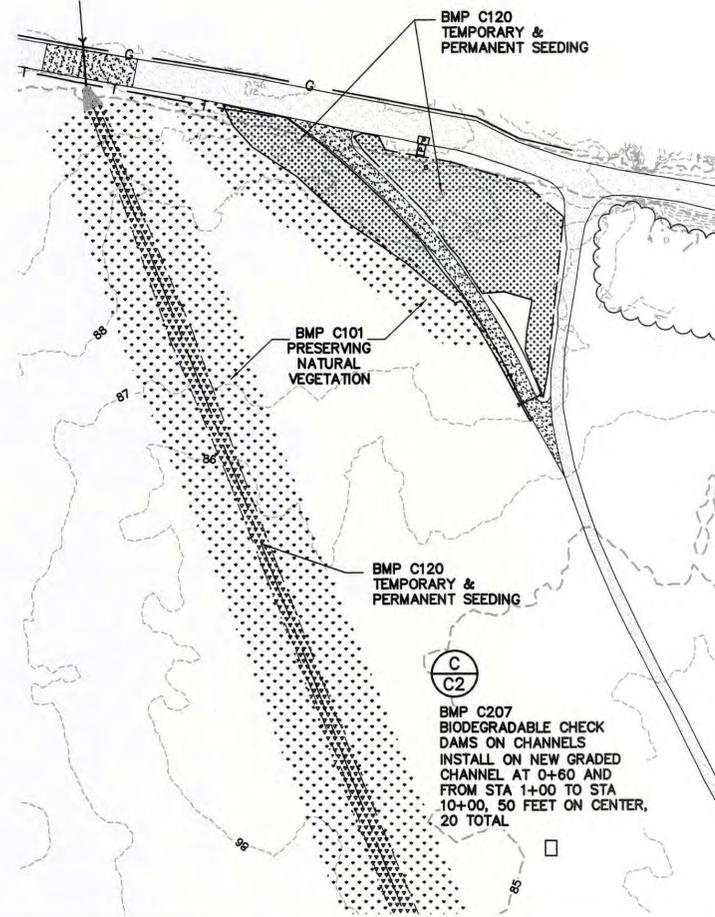
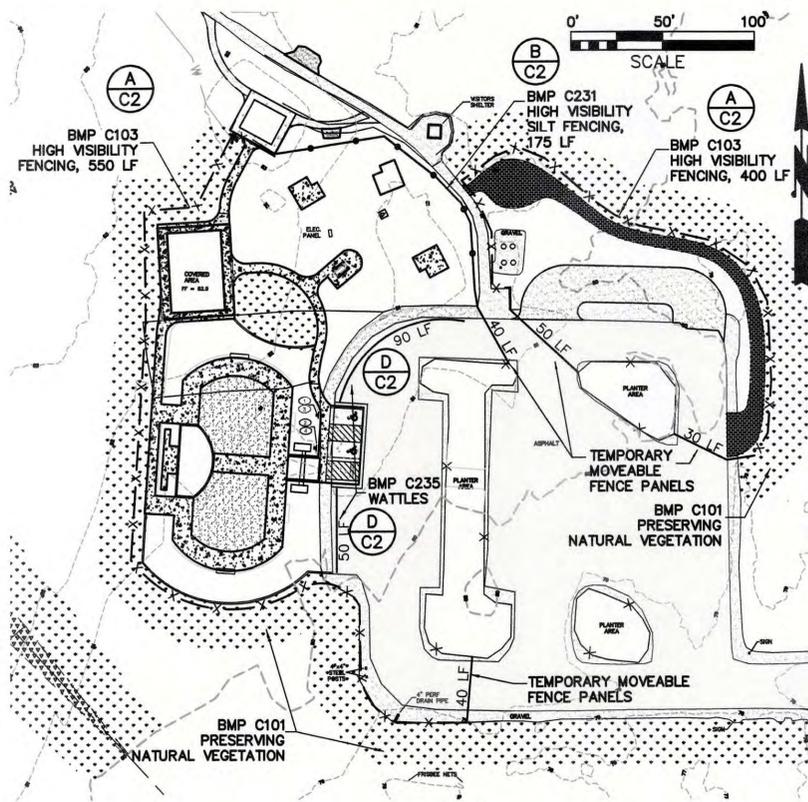
ESC-4 FINAL SITE STABILIZATION NOTES

TO OBTAIN FINAL CONSTRUCTION APPROVAL, THE FOLLOWING CONDITIONS MUST BE MET:

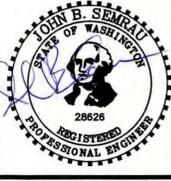
1. ALL DISTURBED AREAS OF THE SITE SHALL BE VEGETATED OR OTHERWISE PERMANENTLY STABILIZED. AT A MINIMUM, DISTURBED AREAS SHALL BE SEEDING AND MULCHED WITH A HIGH LIKELY HOOD THAT SUFFICIENT COVER WILL DEVELOP SHORTLY AFTER FINAL APPROVAL. MULCH WITHOUT SEEDING IS NOT ADEQUATE TO ALLOW FINAL APPROVAL OF THE PERMIT, EXCEPT FOR SMALL AREAS OF MULCH USED FOR LANDSCAPING. THE ONLY EXCEPTIONS TO THESE REQUIREMENTS ARE LOTS WITHIN A PLAT THAT ARE TO BE DEVELOPED UNDER AN APPROVED RESIDENTIAL PERMIT IMMEDIATELY FOLLOWING PLAT APPROVAL. IN THESE CASES, MULCH AND/OR TEMPORARY SEEDING ARE ADEQUATE FOR COVER.
2. STRUCTURAL MEASURES SUCH AS, BUT NOT LIMITED TO, SILT FENCES, PIPE SLOPES DRAINS, CONSTRUCTION ENTRANCES, STORM DRAIN INLET PROTECTION, AND SEDIMENT TRAPS AND PONDS SHALL BE REMOVED FROM THE SITE. MEASURES THAT WILL QUICKLY DECOMPOSE, SUCH AS BRUSH BARRIERS AND ORGANIC MULCHES, MAY BE LEFT IN PLACE. IN THE CASE OF SILT FENCES, IT MAY BE BEST TO REMOVE FENCES IN CONJUNCTION WITH THE SEEDING, SINCE IT MAY BE NECESSARY TO BRING MACHINERY BACK IN TO REMOVE THEM. THIS WILL RESULT IN DISTURBED SOILS THAT WILL AGAIN REQUIRE PROTECTION. THE DDES INSPECTOR MUST APPROVE AN APPLICANT'S PROPOSAL TO REMOVE FENCING PRIOR TO THE ESTABLISHMENT OF VEGETATION. IN SOME CASES, SUCH AS RESIDENTIAL BUILDING FOLLOWING PLAT DEVELOPMENT, IT MAY BE APPROPRIATE TO LEAVE SOME OR ALL ESC MEASURES FOR USE DURING SUBSEQUENT DEVELOPMENT. THIS SHALL BE DETERMINED ON A SITE-SPECIFIC BASIS.
3. ALL PERMANENT SURFACE WATER FACILITIES, INCLUDING CATCH BASINS, MANHOLES, PIPES, DITCHES, CHANNELS, R/D FACILITIES, AND WATER QUALITY FACILITIES, SHALL BE CLEANED. ANY OFFSITE CATCH BASIN THAT REQUIRED PROTECTION DURING CONSTRUCTION SHALL ALSO BE CLEANED.
4. IF ONLY THE INFRASTRUCTURE OF THE SITE HAS BEEN DEVELOPED (E.G. SUBDIVISIONS AND SHORT PLATS) WITH BUILDING CONSTRUCTION TO OCCUR UNDER A DIFFERENT PERMIT, THEN THE SENSITIVE AREA BUFFERS, SENSITIVE AREA TRACTS, OR SENSITIVE AREA SETBACK AREA SHALL BE CLEARLY MARKED AS DESCRIBED IN SECTION D.4.1 IN ORDER TO ALERT FUTURE BUYERS AND BUILDERS.

ESC-5 CONSTRUCTION SEQUENCE

1. ATTEND PRE-CONSTRUCTION MEETING.
2. FLAG OR FENCE WORK LIMITS.
3. INSTALL PERIMETER PROTECTION (SILT FENCE, STRAW WATTLE, BRUSH BARRIER, ETC.).
4. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH DOESWMM COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
5. RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE SKAGIT COUNTY EROSION AND SEDIMENT CONTROL STANDARDS.
6. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT.
7. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.
8. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
9. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMP'S REMOVED IF APPROPRIATE.



SIES
SEMRAU ENGINEERING & SURVEYING
Civil Engineering • Land Surveying • Planning



NO.	DATE	REVISION	BY	REV.

**TESCP PLANS
NOTES & DETAILS**

SCALES:
HORIZONTAL : 1" = 50'
VERTICAL : N/A
NOTE: IF THIS SHEET IS LESS THAN 22"x 34" THEN SHEET HAS BEEN REDUCED

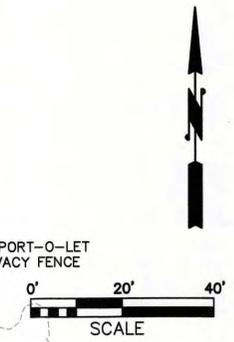
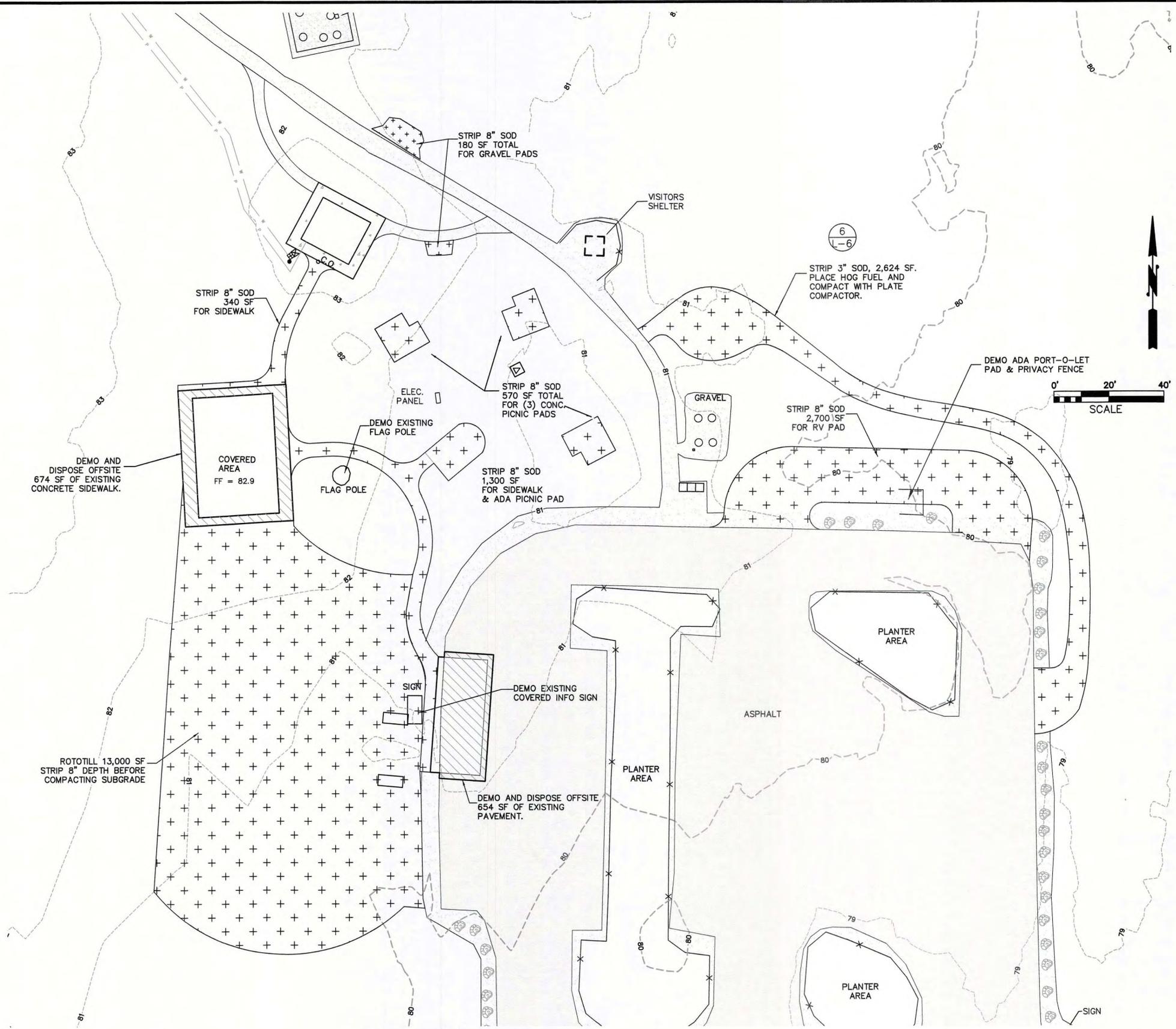
**VETERANS COMMUNITY PARK
& MEMORIAL WALL**
SECTIONS 8 & 17, T. 35 N., R. 5 E., W.M.
JURISDICTION, WASHINGTON

FIELD BK/PG:	324/6-9
DATE:	3/16/22
DRAWING:	5867TS.DWG
JOB NO.:	5867
SHEET:	C2



DEMO AND STRIPPING NOTES

1. CONTRACTOR SHALL PREPARE TYPE B TOPSOIL ON-SITE. TYPE B TOPSOIL SHALL BE NATIVE SOD AND TOPSOIL THAT HAS BEEN ROTOTILLED PRIOR TO EXCAVATION OR STRIPPING. TOPSOIL SHALL BE FREE OF GRAVEL, CONCRETE, AND WOODY MATERIAL PER SPECIFICATION.
2. ALL NATIVE TOPSOIL AND SOD IS TO BE REUSED ON-SITE FOR FILL IN NON-STRUCTURAL AREAS. EXCESS NATIVE TOPSOIL SHALL BE PLACED IN THE ARE AROUND THE NORTHEAST GRAVEL PATH.
3. SUBGRADE OF NATIVE SOIL SHALL BE COMPACTED AFTER STRIPPING. PLATE COMPACTOR MAY BE USED UNDER THE SMALLER PICNIC TABLES AND LINEAR SIDEWALKS.



3-16-2022



NO.	DATE	REVISION	BY	REV.

DEMO PLAN

SCALES:
 HORIZONTAL : 1" = 20'
 VERTICAL : N/A
 NOTE: IF THIS SHEET IS LESS THAN 22" x 34" THEN SHEET HAS BEEN REDUCED

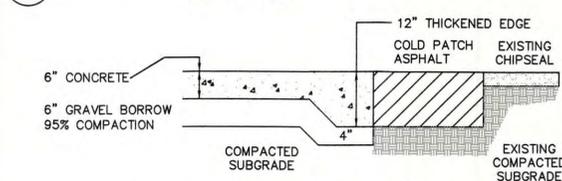
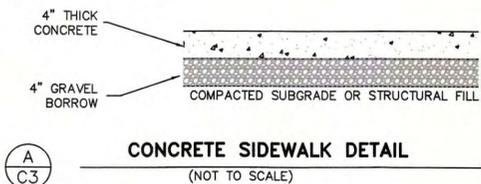
VETERANS COMMUNITY PARK & MEMORIAL WALL
 SECTION 8 & 17, T. 35 N., R. 5 E., W.M.
 SKAGIT COUNTY, WASHINGTON

FIELD BK/PG:	324/6-9
DATE:	3/16/22
DRAWING:	5867SP.DWG
JOB NO.:	5867
SHEET:	C2B

GENERAL/GRADING

- ALL CONSTRUCTION AND INSTALLATION WORK SHALL CONFORM TO APPLICABLE 2018 STANDARD SPECIFICATIONS AND STANDARD PLANS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION PREPARED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND ACCORDING TO THE RECOMMENDATIONS OF THE MANUFACTURERS OF THE MATERIAL OR EQUIPMENT USED AND IN COMPLIANCE WITH APPLICABLE, FEDERAL, STATE AND/OR COUNTY REGULATIONS, REQUIREMENTS AND STANDARDS, INCLUDING APPLICABLE LABOR LAWS, WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, AND OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970.
- CONTRACTOR IS REQUIRED TO PREPARE FOR AND ATTEND A PRE-CONSTRUCTION MEETING PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND SIGNING CONFORMING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION AS MAY BE REQUIRED AT HELMICK ROAD.
- LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE, AND ARE NOT NECESSARILY COMPLETE. THE CONTRACTOR SHALL INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN, AND SHALL FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT. IF EXISTING UTILITIES ARE DAMAGED BY THE CONTRACTOR, SAID UTILITIES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.
- CONTRACTOR SHALL UTILIZE THE ONE CALL SYSTEM FOR UTILITY UNDERGROUND LOCATION AND ABIDE BY THE REQUIREMENTS THEREOF. CALL 1-800-424-5555.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS AND SHALL ABIDE BY THE CONDITIONS AND REQUIREMENTS RELATED TO SAID PERMITS AND APPROVALS.
- OTHER UTILITIES MAY BE WORKING WITHIN THE LIMITS OF THE PROJECT, INCLUDING, BUT NOT LIMITED TO, PUGET SOUND ENERGY.
- ALL WORK SHALL BE STAKED BY THE ENGINEER'S SURVEYOR PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL STAKING AND SURVEY MARKERS DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 2 WORKING DAYS IN ADVANCE OF ALL REQUESTS FOR CONSTRUCTION STAKING.
- AN APPROVED COPY OF THESE CONSTRUCTION DRAWINGS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF CERTIFIED AS-CONSTRUCTED DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE CONSTRUCTION.
- CONSTRUCTION REVIEW SHALL BE PERFORMED BY THE ENGINEER AND THEIR APPOINTED REPRESENTATIVES. THE CONTRACTOR SHALL PROVIDE 24 HOURS NOTICE IN ADVANCE OF ANY CONSTRUCTION REVIEW OR SPECIAL INSPECTIONS TO BOTH THE ENGINEER AND THE INSPECTOR. THESE MAY BE SCHEDULED AT THE WEEKLY SITE MEETING.
- NO PART OF THE CONSTRUCTION SHALL BE COVERED, CONCEALED OR PUT INTO USE UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE DISTRICT AND THE ENGINEER.
- BACKFILL MATERIAL FOR TRENCHES LOCATED IN ROAD RIGHT-OF-WAYS SHALL CONFORM TO WSDOT SECTION 9-03.14(2) SELECT BORROW. BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED EIGHT (8) INCHES LOOSE THICKNESS AND COMPACTED TO 95% OF MAXIMUM DENSITY (ASTM 1557). EACH LIFT SHALL BE COMPACTED PRIOR TO PLACEMENT OF SUCCESSIVE LIFTS.
- BACKFILL MATERIAL FOR TRENCHES LOCATED OUTSIDE OF ROAD RIGHT-OF-WAYS MAY BE NATIVE MATERIAL WITH WRITTEN APPROVAL OF THE ENGINEER. BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED TWELVE (12) INCHES LOOSE THICKNESS AND COMPACTED TO 90% OF MAXIMUM DRY DENSITY. (ASTM 1557). EACH LIFT SHALL BE COMPACTED PRIOR TO PLACEMENT OF SUCCESSIVE LIFTS. (ALSO SEE OTHER NOTES).
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION. ALL REFUSE, DEBRIS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AT LEAST WEEKLY, OR MORE OFTEN IF DIRECTED BY THE ENGINEER. ROUTINE AND FINAL CLEANUP ARE TO BE AN INTEGRAL PART OF ALL BID ITEMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTRACTOR FURNISHED MATERIAL. ALL SUCH MATERIAL WHICH IS DEFECTIVE BY MANUFACTURE OR HAS BEEN DAMAGED IN TRANSIT OR HAS BEEN DAMAGED AFTER DELIVERY SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFE STORAGE OF ALL MATERIALS FURNISHED AND ACCEPTED UNTIL IT HAS BEEN INCORPORATED IN THE COMPLETED PROJECT.
- SUBSTANTIAL COMPLETION WILL BE DETERMINED BY THE ENGINEER AFTER THE WORK ON THE LEVEE IS COMPLETED AND THE TRAIL CAN BE OPENED AND REMAIN OPEN TO THE PUBLIC.
- DATUM - NAVD 88. SEE PROJECT BENCHMARK.

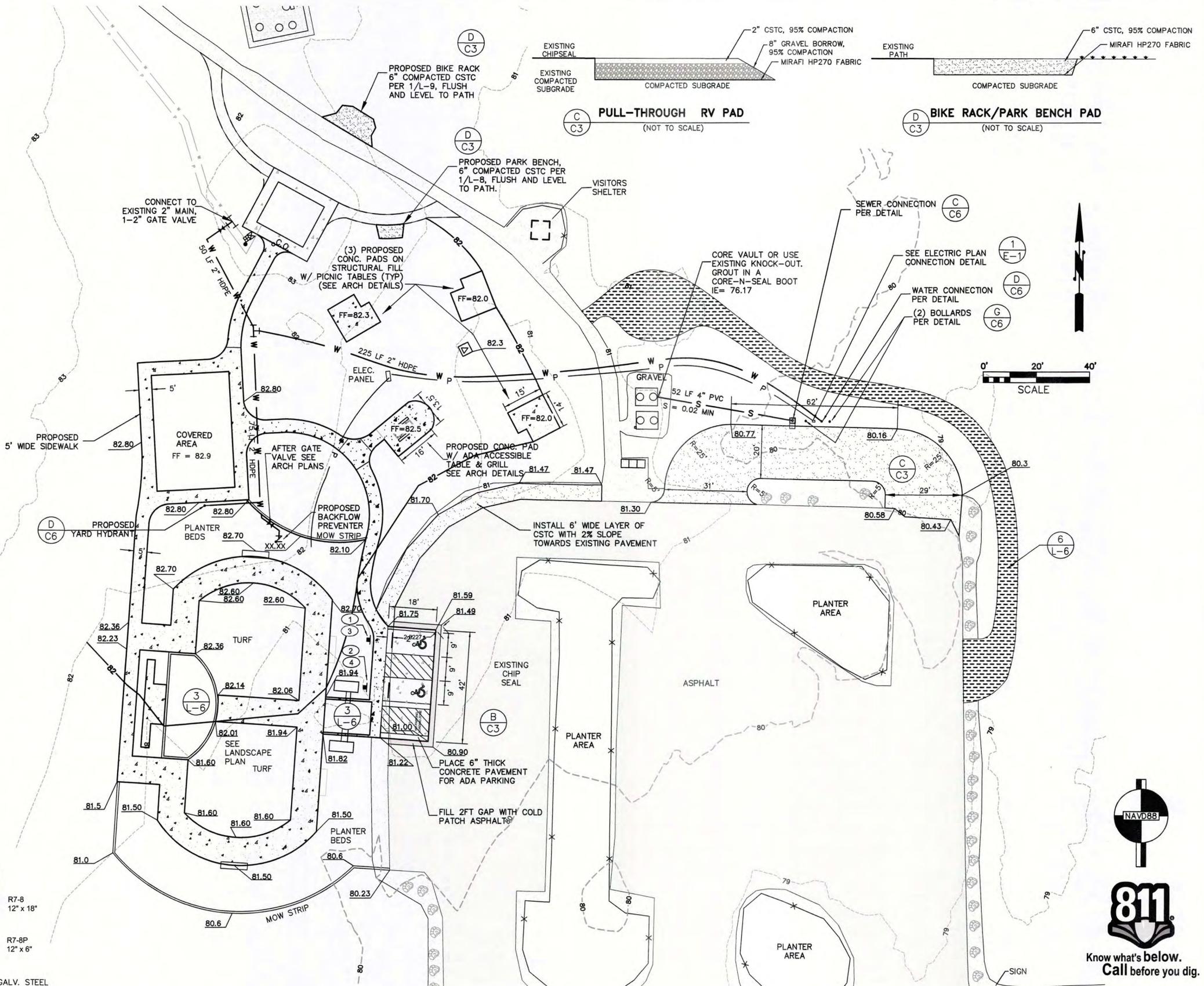
(ALSO SEE OTHER NOTES)



- SEE ARCHITECT SPECIFICATIONS FOR ACCENT AND FINISH.
- SEE ARCHITECT PLANS FOR SCORING LOCATION AND JOINTS



- SIGNS MOUNTED TO GALV. STEEL POSTS.
- MIN. 60" FROM GRADE TO BOTTOM OF RESERVED PARKING SIGN



Know what's below. Call before you dig.

SEMRAU ENGINEERING & SURVEYING
Civil Engineering • Land Surveying • Planning

NO.	DATE	REVISION	BY	REV.

GRADING PLAN

SCALES:
HORIZONTAL : 1" = 20'
VERTICAL : N/A

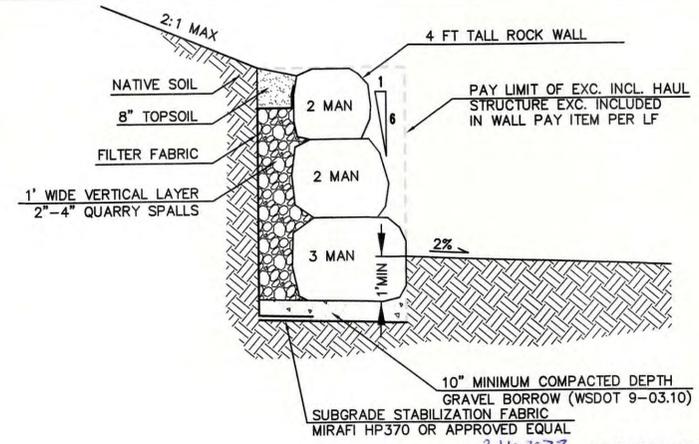
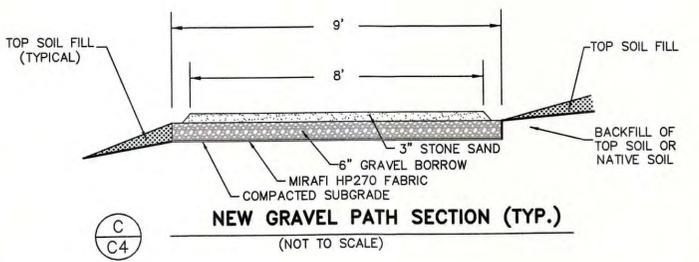
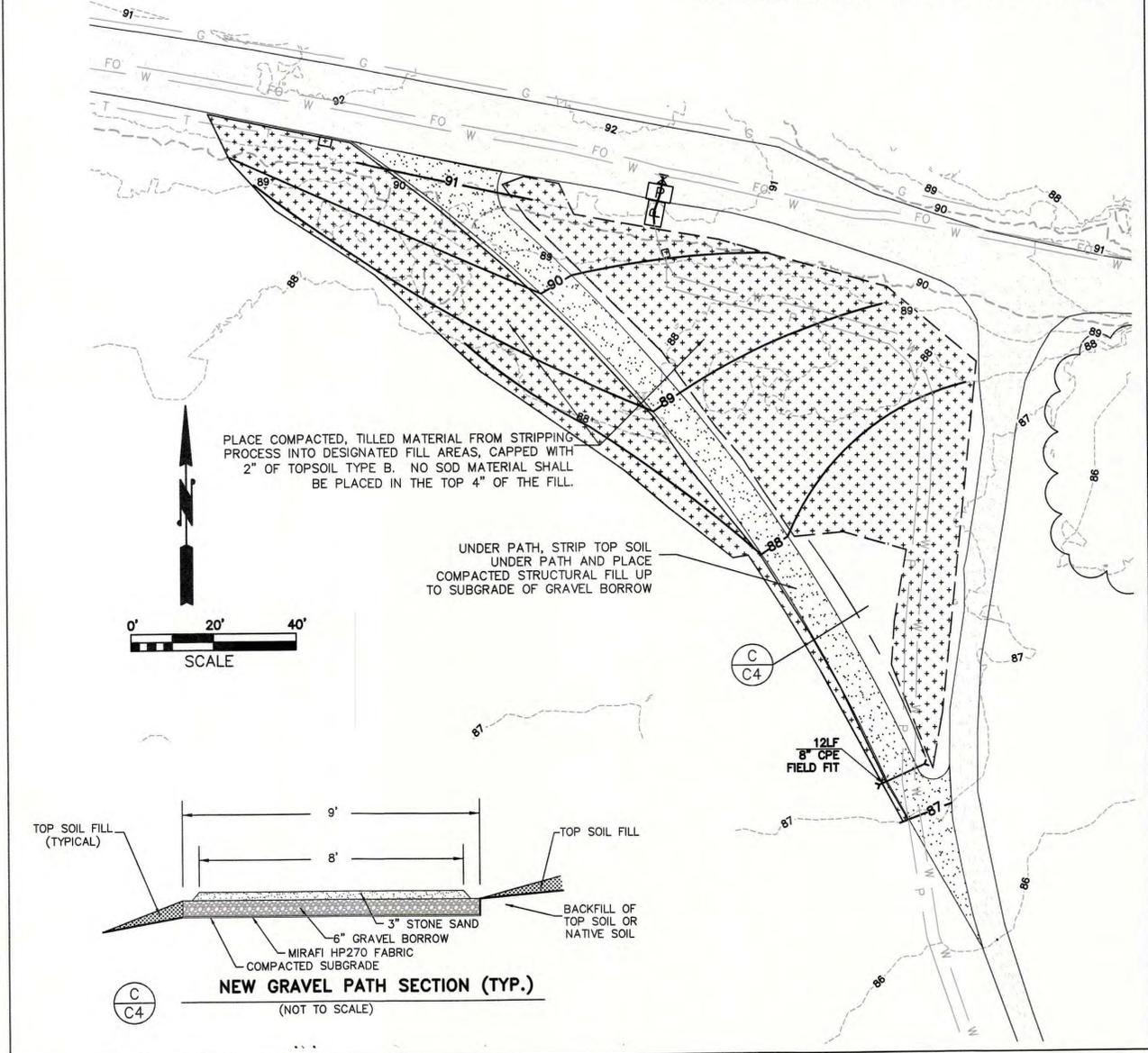
NOTE: IF THIS SHEET IS LESS THAN 22" x 34" THEN SHEET HAS BEEN REDUCED

VETERANS COMMUNITY PARK & MEMORIAL WALL

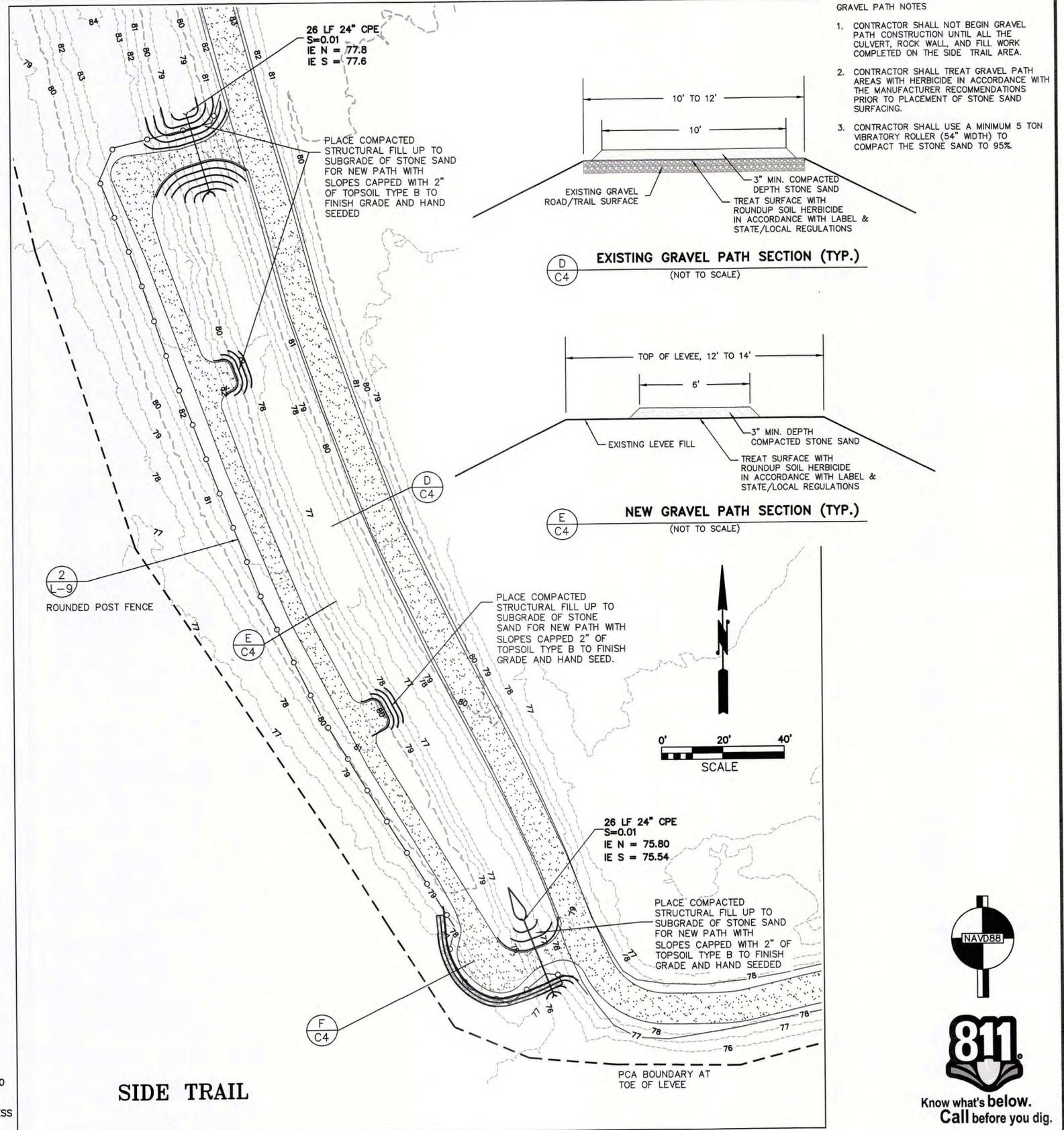
SECTION 8 & 17, T. 35 N., R. 5 E., W.M.
SKAGIT COUNTY, WASHINGTON

FIELD BK/PG:	324/6-9
DATE:	3/16/22
DRAWING:	5867SP.DWG
JOB NO.:	5867
SHEET:	C3

NORTHEAST GRAVEL PATH

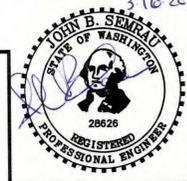


- ROCKERY WALL NOTES:**
- ALL ROCKERIES ARE TO BE INSTALLED IN ACCORDANCE WITH USDOT/FHWA 2006 GENERAL ROCKERY CONSTRUCTION GUIDELINES.
 - ROCKERY BACKFILL QUARRY SPALLS AND NATIVE SOIL INCLUDED IN WALL PAY ITEM PER LF.
 - ROCK SHALL BE PLACED TO DECREASE IN SIZE WITH INCREASING WALL HEIGHT.
 - THE LONG DIMENSION OF THE ROCK SHALL EXTEND PERPENDICULAR TO THE ROCK FACE TO PROVIDE MAXIMUM STABILITY.
 - ROCKS SHALL BE PLACED TO AVOID CONTINUOUS JOINT PLANES IN VERTICAL OR LATERAL DIRECTIONS. EACH ROCK SHALL BEAR ON TWO OR MORE ROCKS BELOW IT, WITH GOOD FLAT TO FLAT CONTACT.
 - 2"-4" QUARRY SPALLS SHALL BE FREE OF ORGANICS WITH LESS 5 PERCENT FINES PASSING 200 SIEVE.



- GRAVEL PATH NOTES**
- CONTRACTOR SHALL NOT BEGIN GRAVEL PATH CONSTRUCTION UNTIL ALL THE CULVERT, ROCK WALL, AND FILL WORK COMPLETED ON THE SIDE TRAIL AREA.
 - CONTRACTOR SHALL TREAT GRAVEL PATH AREAS WITH HERBICIDE IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS PRIOR TO PLACEMENT OF STONE SAND SURFACING.
 - CONTRACTOR SHALL USE A MINIMUM 5 TON VIBRATORY ROLLER (54" WIDTH) TO COMPACT THE STONE SAND TO 95%.

SIES
SEMRAU ENGINEERING & SURVEYING
Civil Engineering • Land Surveying • Planning



NO.	DATE	REVISION	BY	REV.

GRADING PLAN

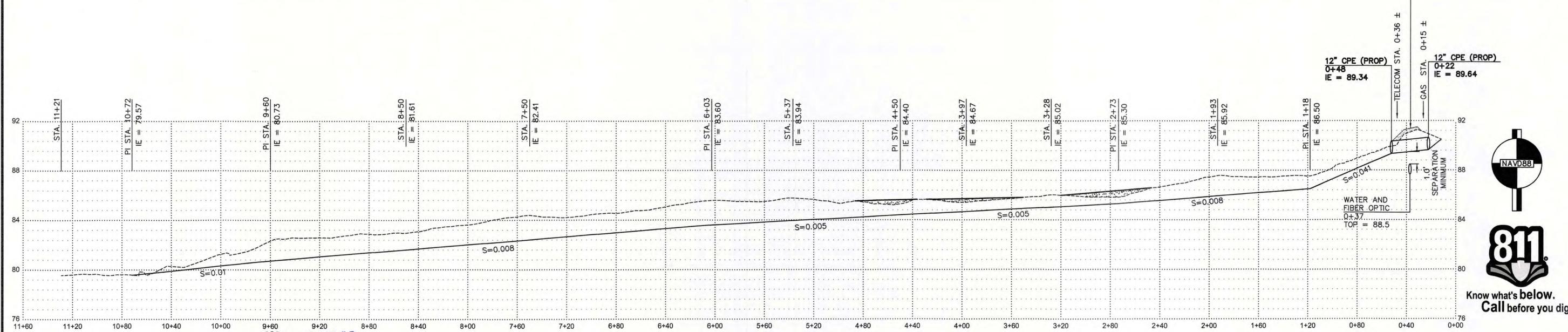
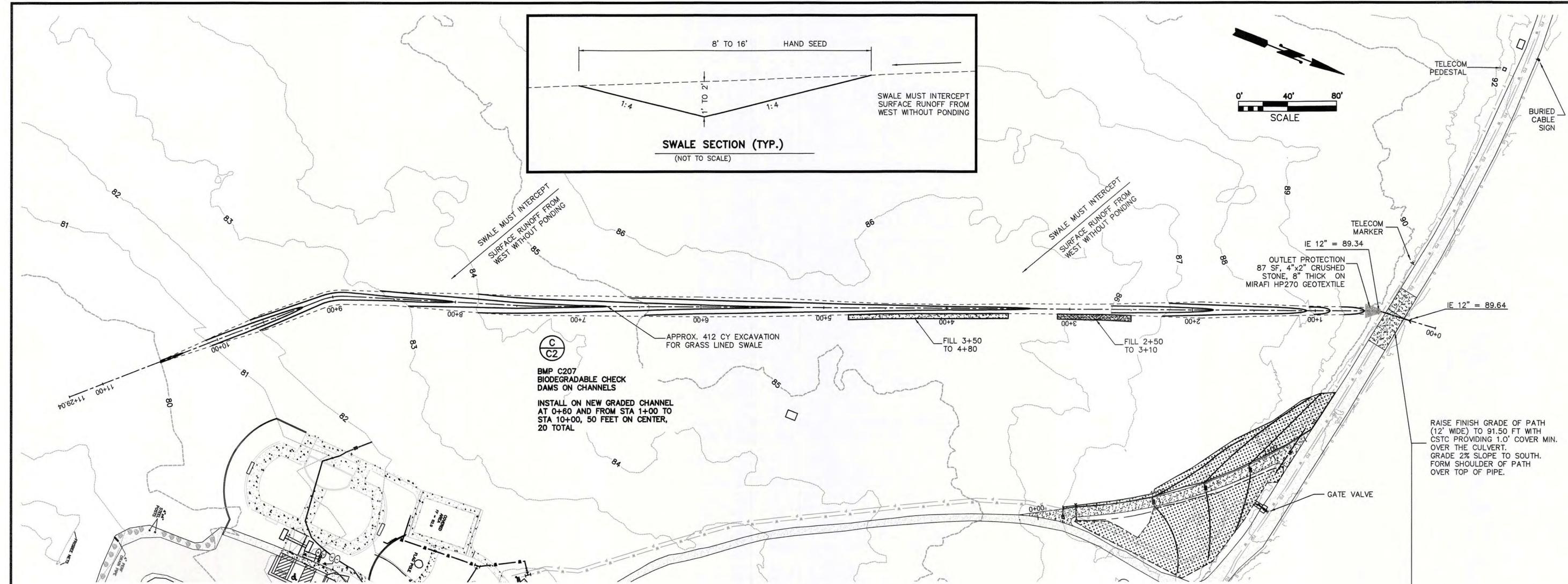
SCALES:
HORIZONTAL : 1" = 20'
VERTICAL : N/A

NOTE: IF THIS SHEET IS LESS THAN 22" x 34" THEN SHEET HAS BEEN REDUCED

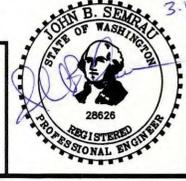
VETERANS COMMUNITY PARK & MEMORIAL WALL
SECTION 8 & 17, T. 35 N., R. 5 E., W.M.
SKAGIT COUNTY, WASHINGTON

FIELD BK/PG:	324/6-9
DATE:	3/16/22
DRAWING:	5867SP.DWG
JOB NO.:	5867
SHEET:	C4





SIES
SEMRAU ENGINEERING & SURVEYING
Civil Engineering • Land Surveying • Planning



NO.	DATE	REVISION	BY	REV.

GRADING PLAN

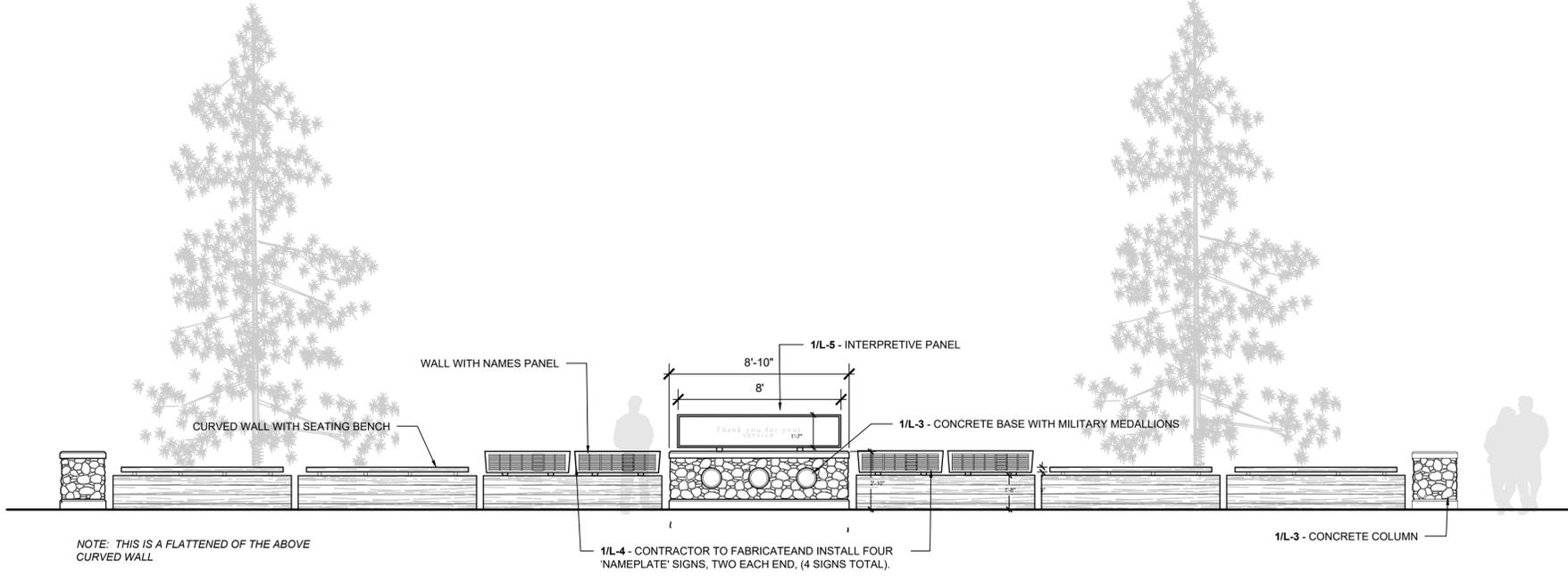
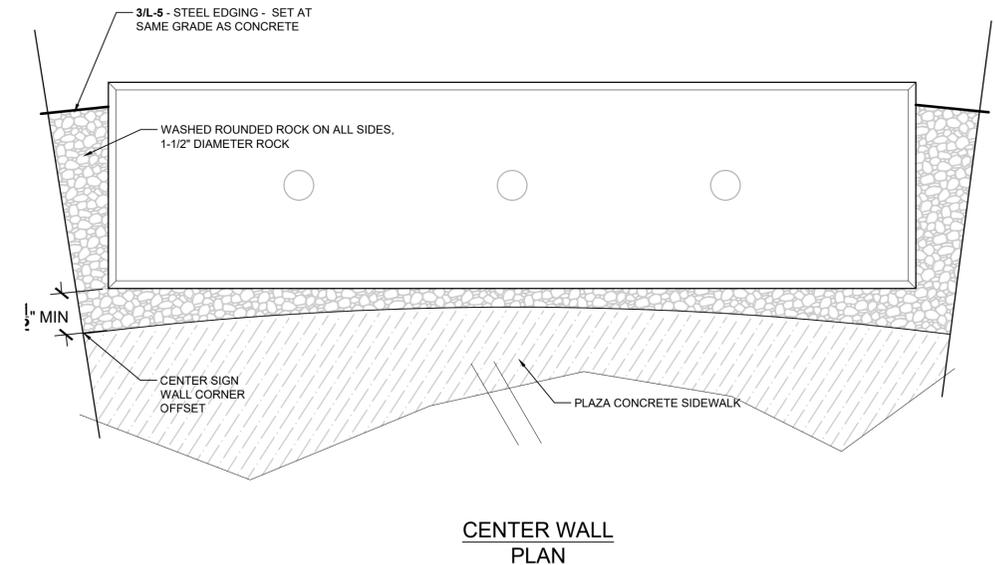
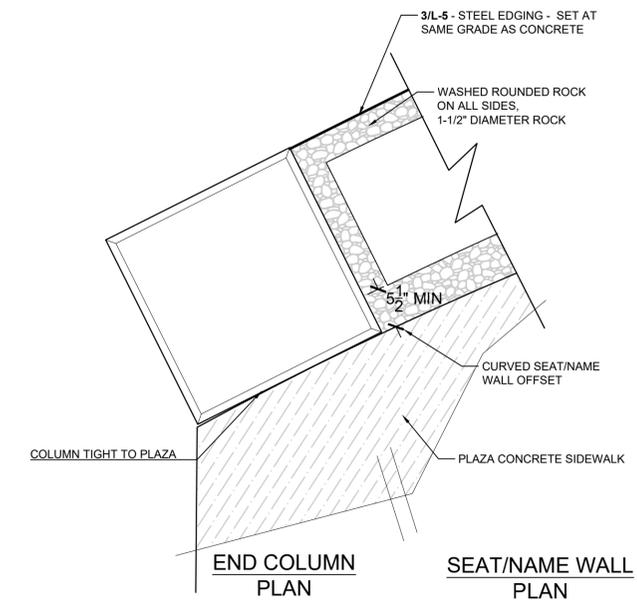
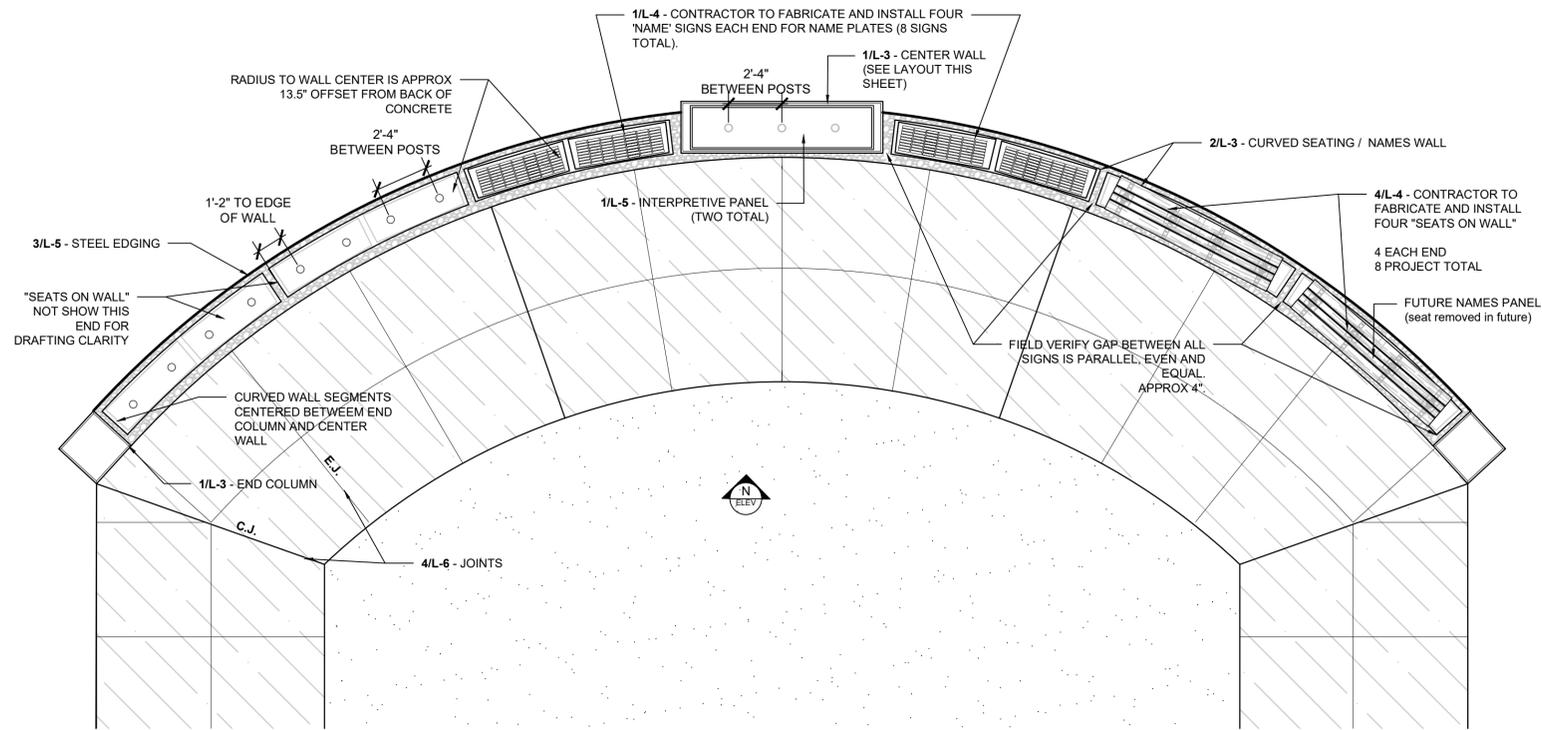
SCALES:
HORIZONTAL : 1" = 40'
VERTICAL : 1" = 4'

NOTE: IF THIS SHEET IS LESS THAN 22"x 34" THEN SHEET HAS BEEN REDUCED

VETERANS COMMUNITY PARK & MEMORIAL WALL
SECTION 8 & 17, T. 35 N., R. 5 E., W.M.
SKAGIT COUNTY, WASHINGTON

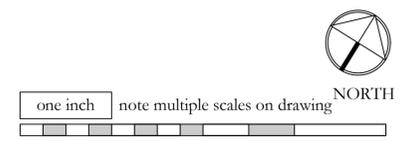
FIELD BK/PG:	324/6-9
DATE:	3/16/22
DRAWING:	5867SP.DWG
JOB NO.:	5867
SHEET:	C5





1 | HONOR WALL ENLARGEMENT
L-2 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)

2 | COLUMN AND CENTER WALL TO PLAZA LAYOUT
L-2 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com

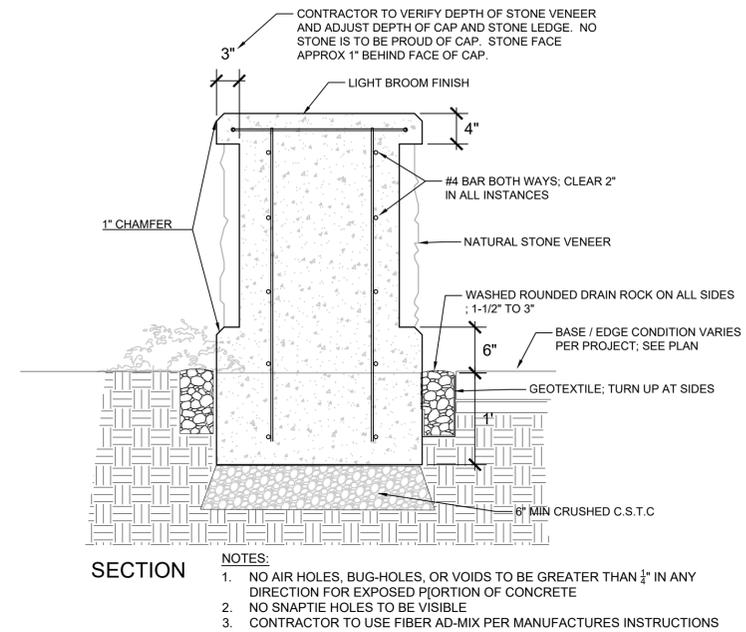
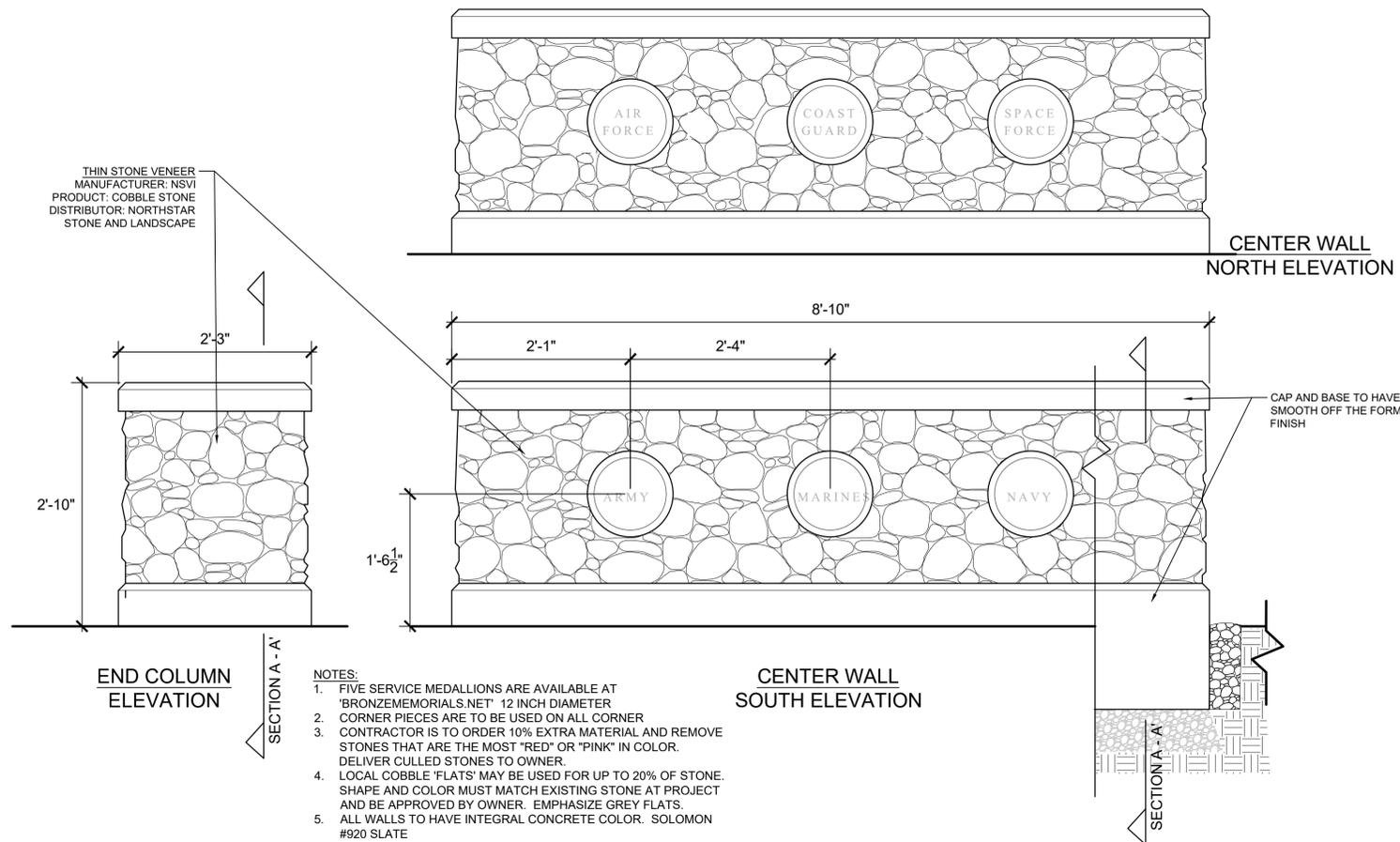
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PATRIK BYLAN
CERTIFICATE NO. 793

Northern State Recreation Area
Sedro-Woolley, WA

SCALES:
HORIZONTAL :
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

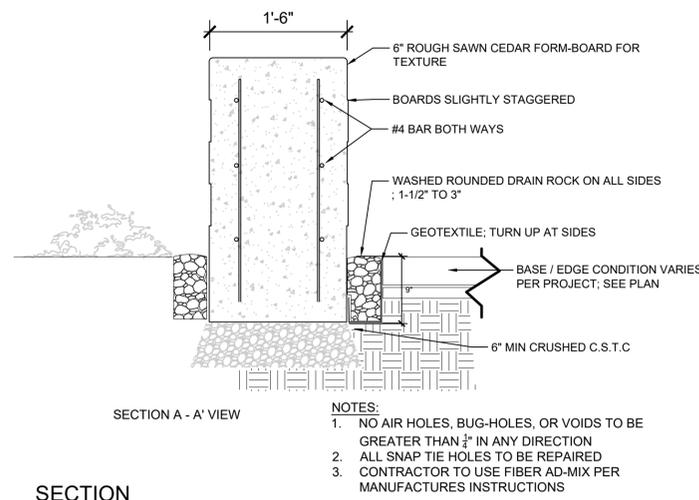
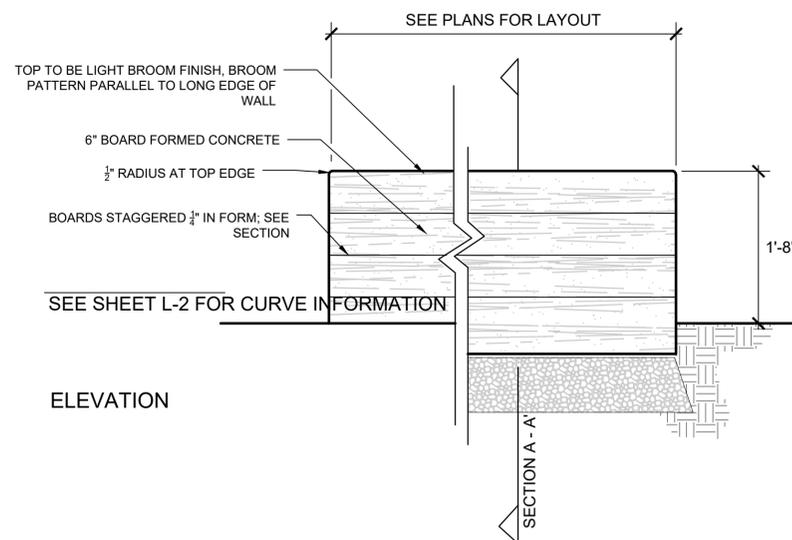
PLAZA LAYOUT
BID SET

ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: L-2

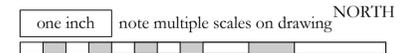
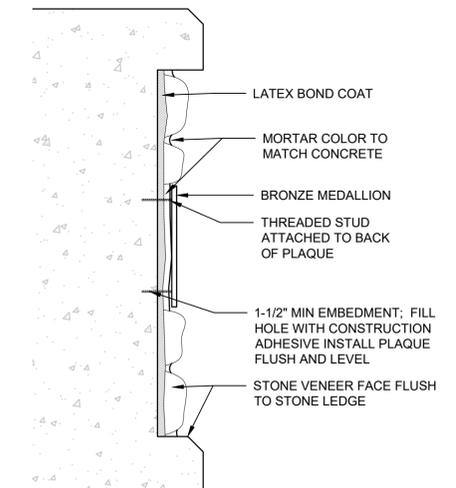


EXAMPLE OF EVEN JOINTING OF NATURAL COBBLESTONE VENEER

1 | COLUMN AND CENTER WALL
L-3 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)



3 | STONE AND MEDALLION ON CENTER WALL
L-3 | (NO SCALE)



2 | CURVED SEATING/NAMES WALL
L-3 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)

NO.	DATE	REVISION	BY	REV
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PATRICK BYLAN
CERTIFICATE NO. 793

Northern State Recreation Area

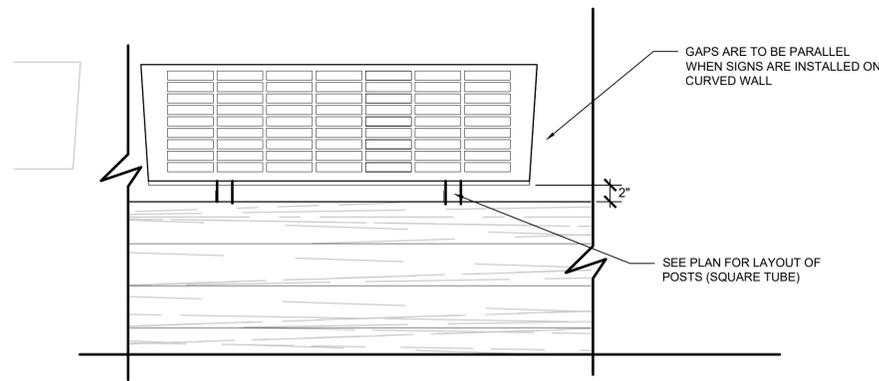
Sedro-Woolley, WA

SCALES:
HORIZONTAL :
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

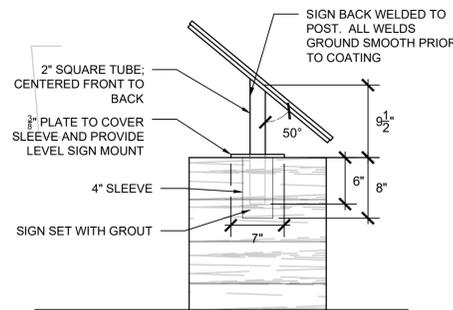
WALL DETAILS

BID SET

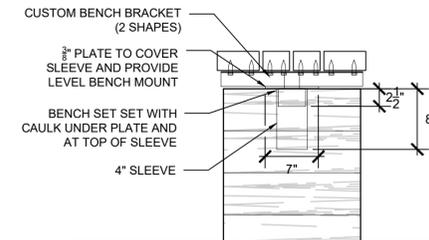
ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: **L-3**



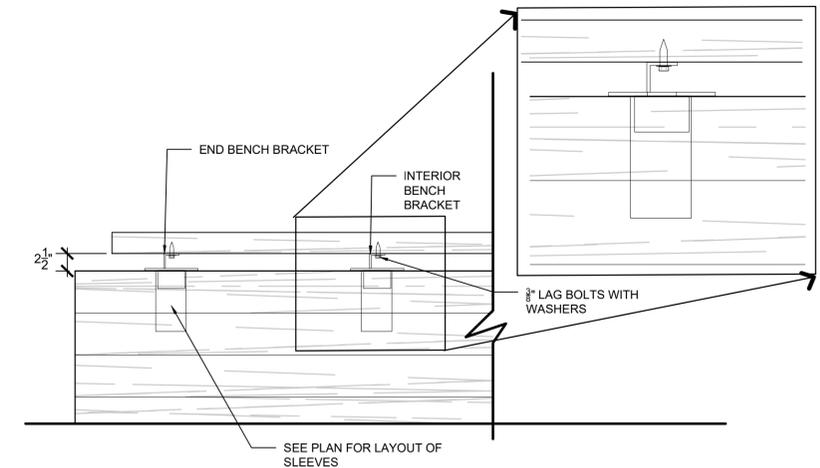
FLATTENED FRONT ELEVATION



END ELEVATION



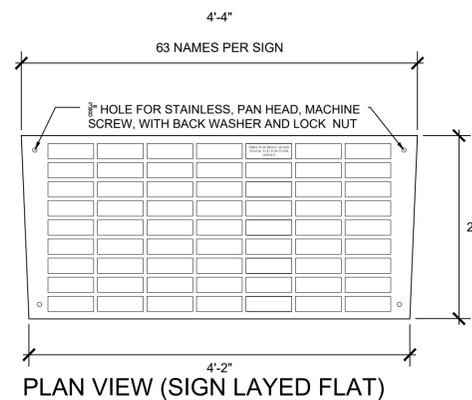
END ELEVATION



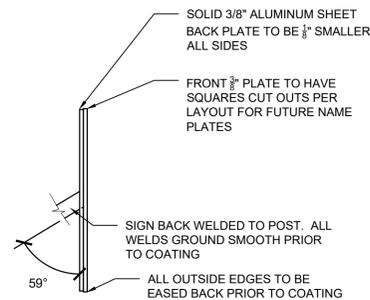
FLATTENED FRONT ELEVATION

1 | SIGN PANEL ON WALL

L-4 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)



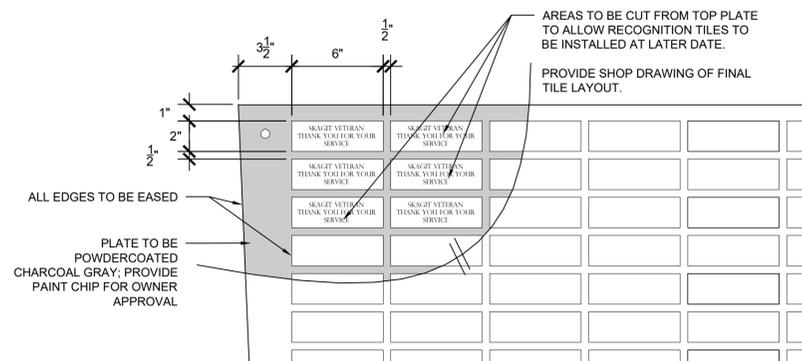
PLAN VIEW (SIGN LAYED FLAT)



SIDE

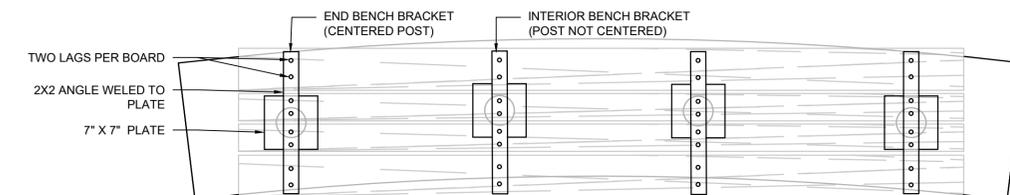
2 | NAME PLATE

L-4 | NO SCALE

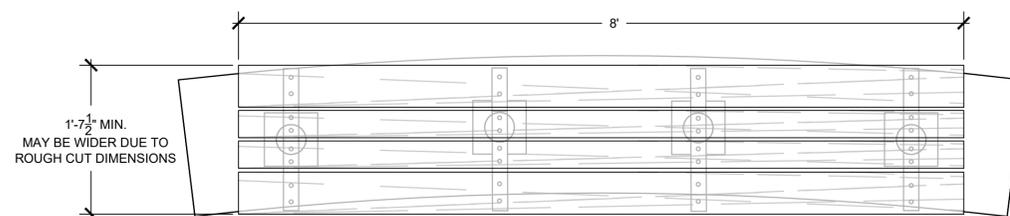


3 | NAME PLATE ENLARGEMENT

L-4 | NO SCALE



PLAN - BRACKETS



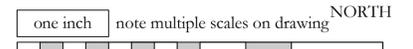
PLAN - BOARD LAYOUT

NOTES:

1. ALL WOOD TO BE YELLOW CEDAR, NO 1 CONSTRUCTION GRADE OR BETTER; FINISHED SMOOTH.
2. BENCH SEAT MAY BE FABRICATED OF RECLAIMED BEAM WITH OWNER APPROVAL. DIMENSIONS MAY BE MODIFIED TO USE REMNANT / RECYCLED MATERIALS
3. ALL FASTENERS TO BE GALVANIZED OR STAINLESS
4. ALL METAL EDGES BRACKETS TO BE GALVANIZE OR POWERCOATED CHARCOAL GREY. CONTRACTOR TO PROVIDE COLOR SAMPLES PRIOR TO FABRICATION,
5. DUE TO INCONSISTENT WOOD DIMENSIONS, IT IS SUGGESTED TO PROCURE WOOD BEFORE SUBMITTING SHOP DRAWING FOR CUSTOM BRACKET
6. ALL WOOD TO BE STAINED WITH PENOFIN TSF MARINE GRADE, COLOR 'IPE'; TWO COATS MIN.

4 | SEAT ON WALL

L-4 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com

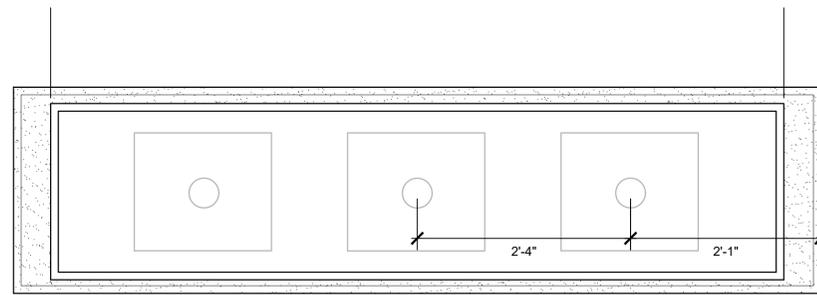
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PATRIK BYLAN
CERTIFICATE NO. 793

Northern State Recreation Area
Sedro-Woolley, WA

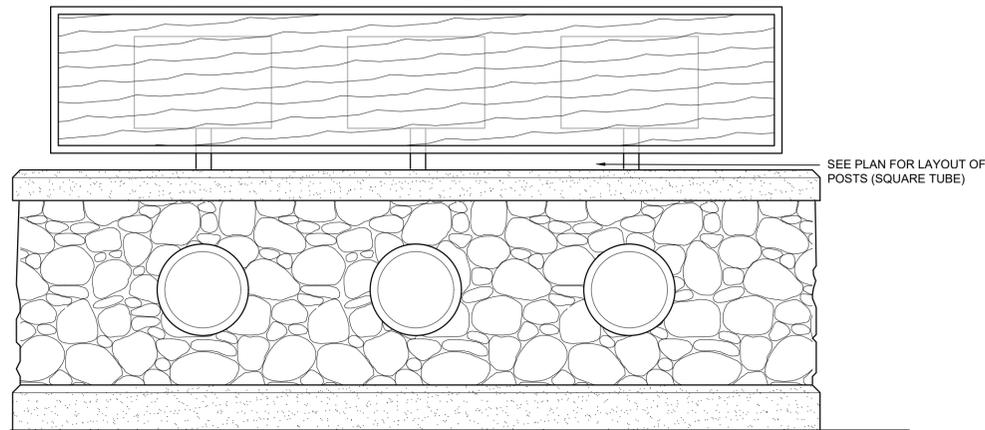
SCALES:
HORIZONTAL :
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

SIGN AND SEAT DETAILS
BID SET

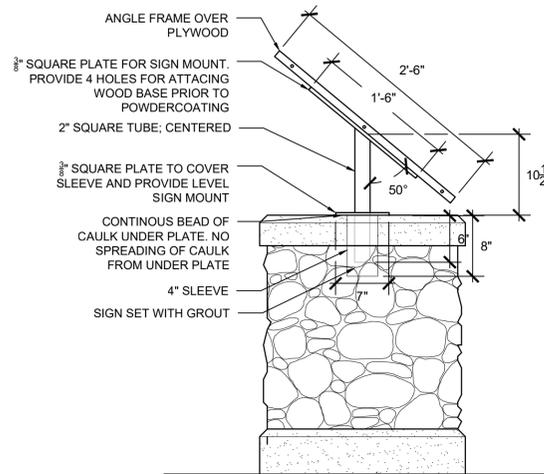
ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: L-4



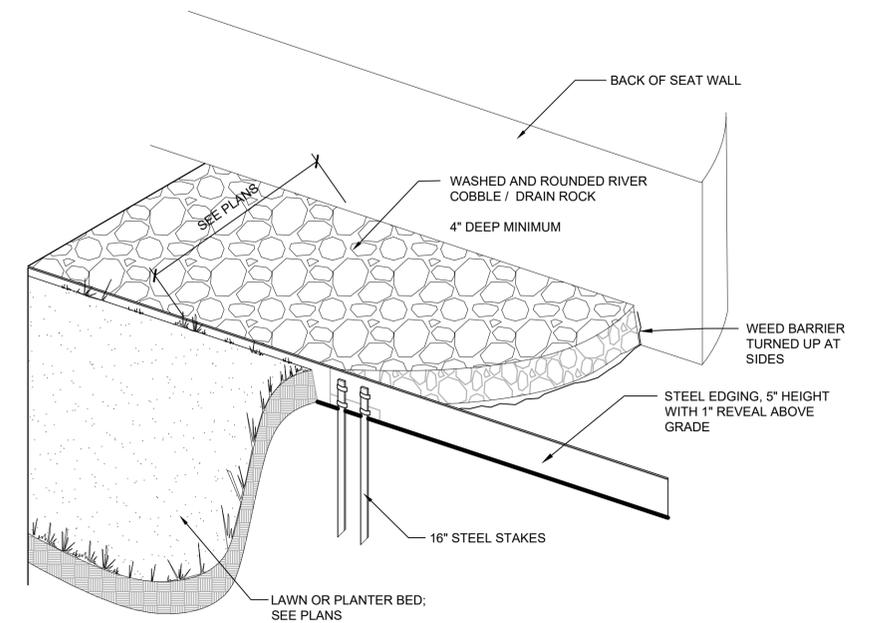
PLAN



ELEVATION - FRONT



ELEVATION - SIDE



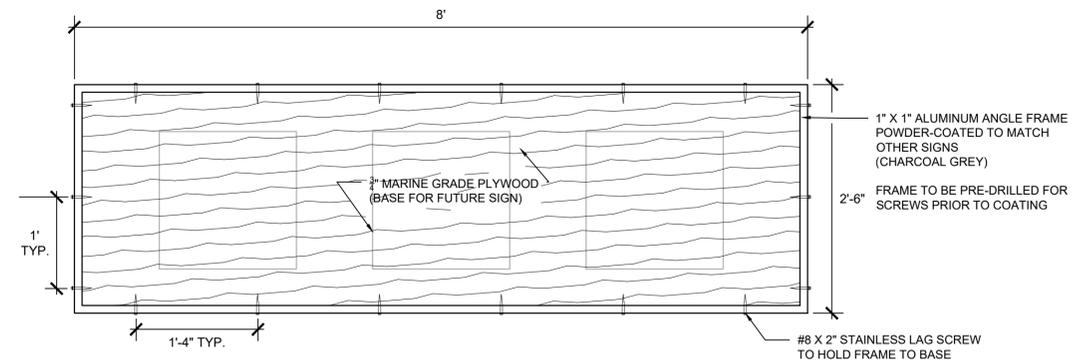
- NOTES:**
1. INSTALLED PER MANUFACTURES SPECIFICATIONS
 2. EDGING TO BE UNFINISHED NATURAL STEEL
 3. MINIMUM THICKNESS IS 12 GAUGE

1 SIGN PANEL ON WALL

L-5 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)

3 STEEL EDGING AT CONCRETE SEATING WALL

L-5 | NO SCALE

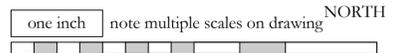


SIGN LAYED FLAT

- NOTES:**
1. SIGN TO BE INSTALLED ON TOP OF PLYWOOD TO BE OWNER SUPPLIED

2 SIGN PANEL

L-5 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
 Continental Way
 Mount Vernon, WA 98083
 contact: Brian Adams

prepared by:
eccosDesign
 Landscape Architecture and Planning
 Mount Vernon, WA 98273
 p. 360.419.7400
 www.eccosdesign.com

STATE OF WASHINGTON
 REGISTERED
 LANDSCAPE ARCHITECT

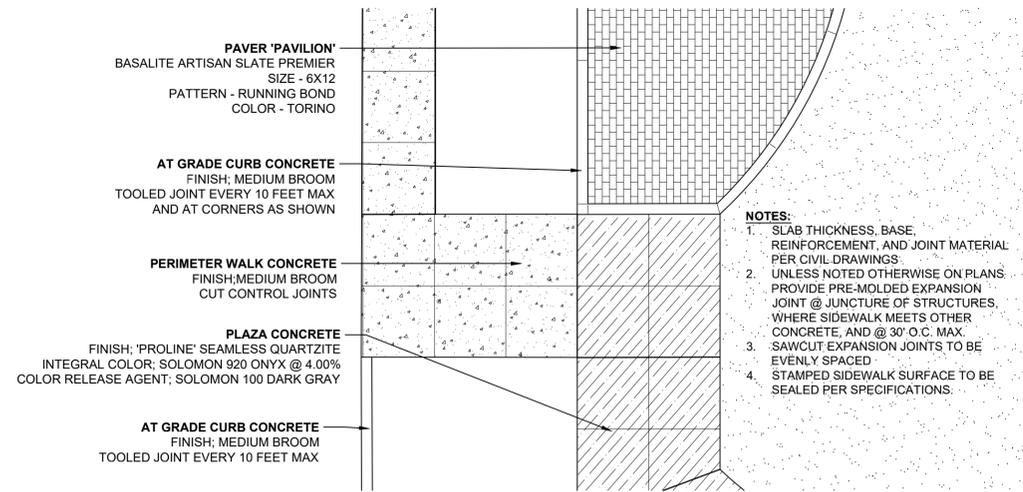
 PATRICK BYLAN
 CERTIFICATE NO. 793

Northern State Recreation Area
 Sedro-Woolley, WA

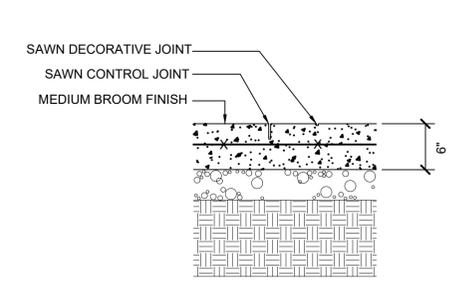
SCALES:
 HORIZONTAL :
 VERTICAL : N/A
 DESIGNED: PD
 DRAWN: PD
 CHECKED: PD

SIGN FRAME DETAILS
 BID SET

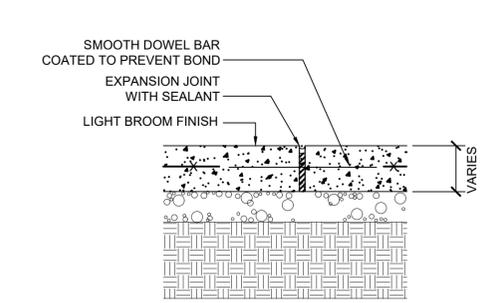
ISSUE DATE: 3.16.22
 DRAWING: 1301 SCVP
 JOB NO.: 1301vp
 SHEET: **L-5**



1 | DECORATIVE PAVING AT PLAZA - A
L-6 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)

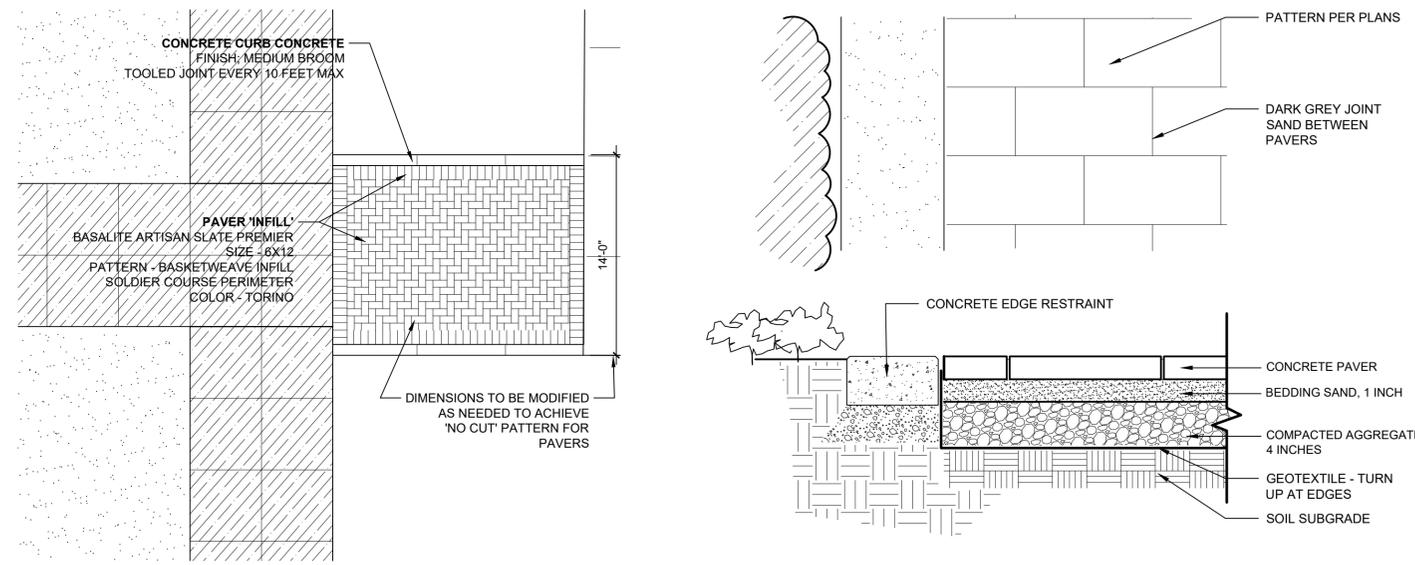


- NOTES:**
1. SAWN CONTROL JOINT TO BE 1/2" RD THE DEPTH OF THE SLAB AND 1/4" WIDE.
2. CONTROL JOINT TO BE CUT INTO SLAB AS SOON AS IS FEASIBLE.
3. DECORATIVE CUT JOINT TO DELINEATE EXTENT OF STAINING TO BE NO DEEPER THAN 1/2".
4. DECORATIVE CUT JOINT TO BE CUT INTO SLAB AS SOON AS IS FEASIBLE.



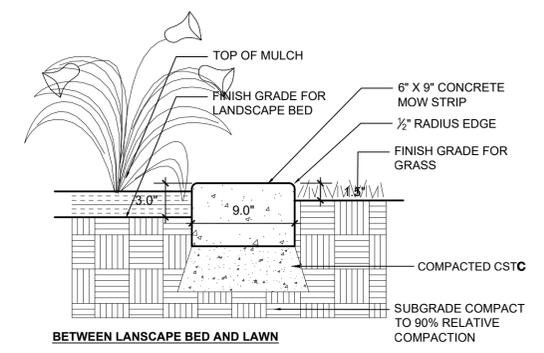
- NOTES:**
1. EXPANSION JOINT TO BE THE FULL DEPTH OF THE SLAB AND 3/8" WIDE.
2. SEE LAYOUT PLAN FOR EXPANSION AND CONTROL JOINT LOCATIONS; COORDINATE PRIOR TO POUR.
3. COLOR OF JOINT SEALANT TO BE APPROVED BY OWNER. CONTRACTOR TO PROVIDE SAMPLE OR COLOR CHIP.
4. DOWEL TIE BARS TO BE 1/2" X 30" X 24" O.C.

4 | CONCRETE CONTROL AND EXPANSION JOINT
L-6 | NO SCALE



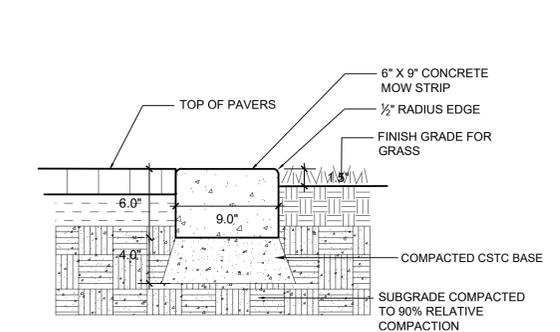
2 | DECORATIVE PAVING AT ENTRANCE - B
L-6 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)

3 | SAND SET PAVERS
L-6 | 1/8" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)

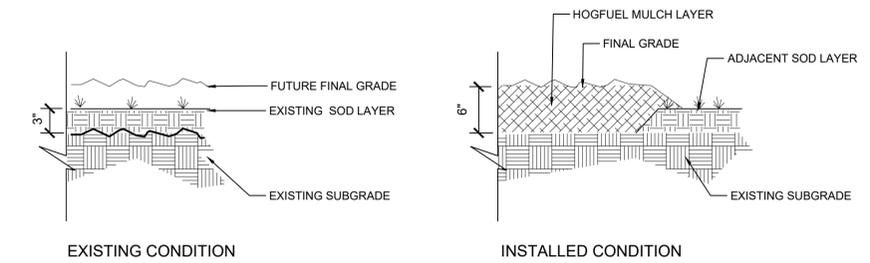


- NOTES:**
1. MOW STRIP WITH MEDIUM BROOM FINISH.
2. INSTALL EXPANSION JOINT 20' ON CENTER AND AT ADJACENT HARDSCAPE PAVING.
3. SCORE JOINTS 10' ON CENTER.

5 | MOWSTRIP EDGE
L-6 | NO SCALE

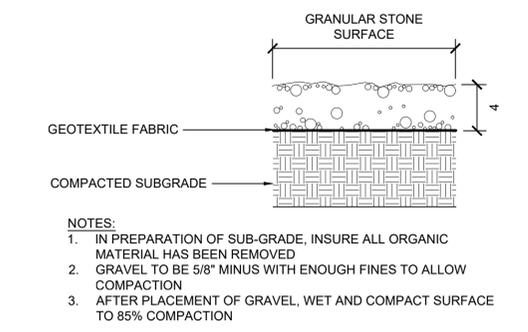


BETWEEN PAVERS AND LAWN



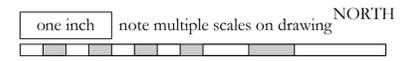
- NOTES:**
1. IN PREPARATION OF SUB-GRADE INSURE ALL ORGANIC MATERIAL HAS BEEN REMOVED.
2. RETAIN MATERIAL FOR USE IN OTHER PROJECT LOCATIONS.

6 | HOGFUEL PAD AND PATH
L-6 | NO SCALE



- NOTES:**
1. IN PREPARATION OF SUB-GRADE, INSURE ALL ORGANIC MATERIAL HAS BEEN REMOVED.
2. GRAVEL TO BE 5/8" MINUS WITH ENOUGH FINES TO ALLOW COMPACTION.
3. AFTER PLACEMENT OF GRAVEL, WET AND COMPACT SURFACE TO 85% COMPACTION.

7 | GRAVEL PAD
L-6 | NO SCALE



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com

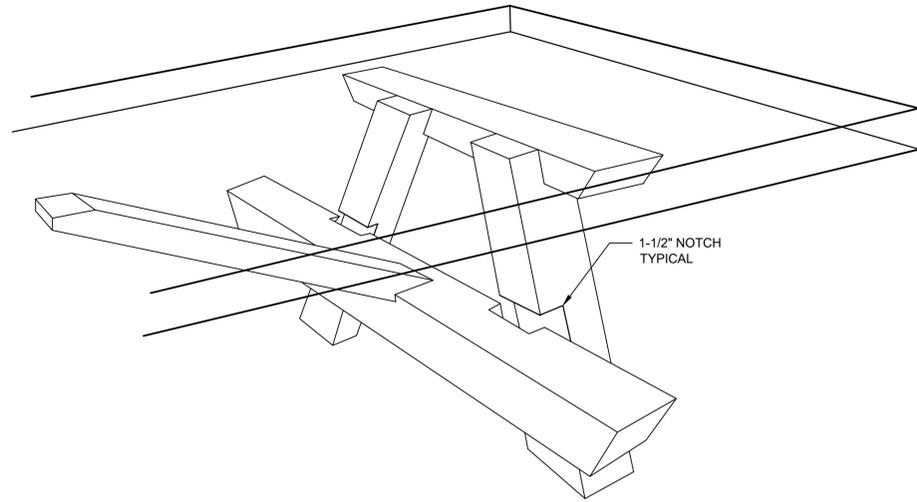
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PATRIK BYLAN
CERTIFICATE NO. 793

Northern State Recreation Area
Sedro-Woolley, WA

SCALES:
HORIZONTAL :
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

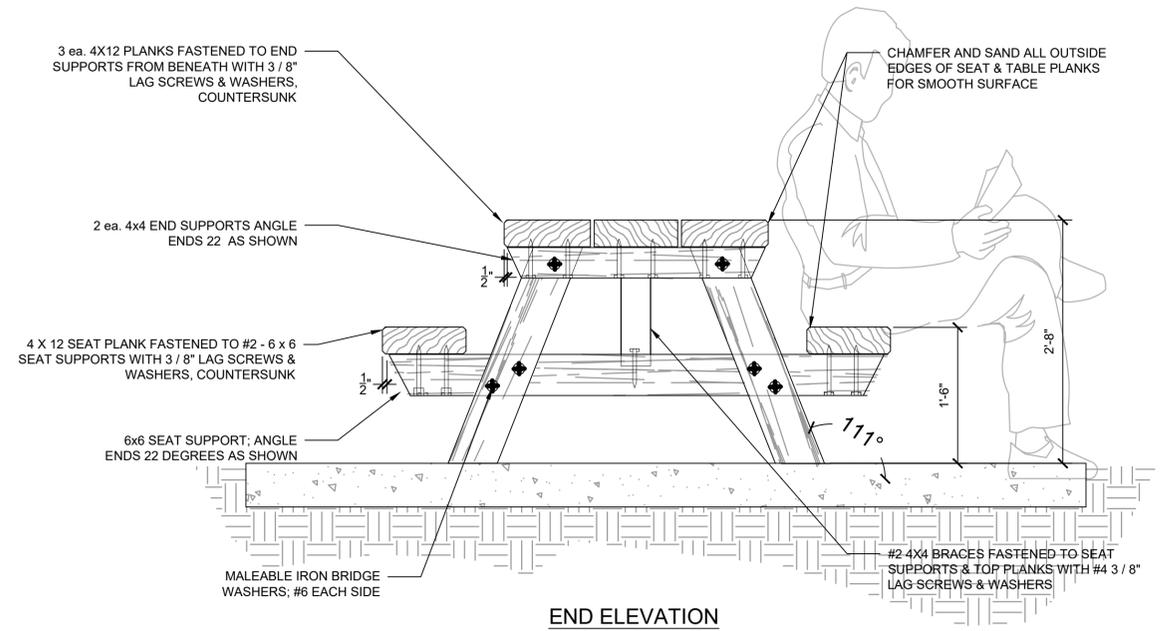
CONCRETE AND SITE DETAILS
BID SET

ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: L-6

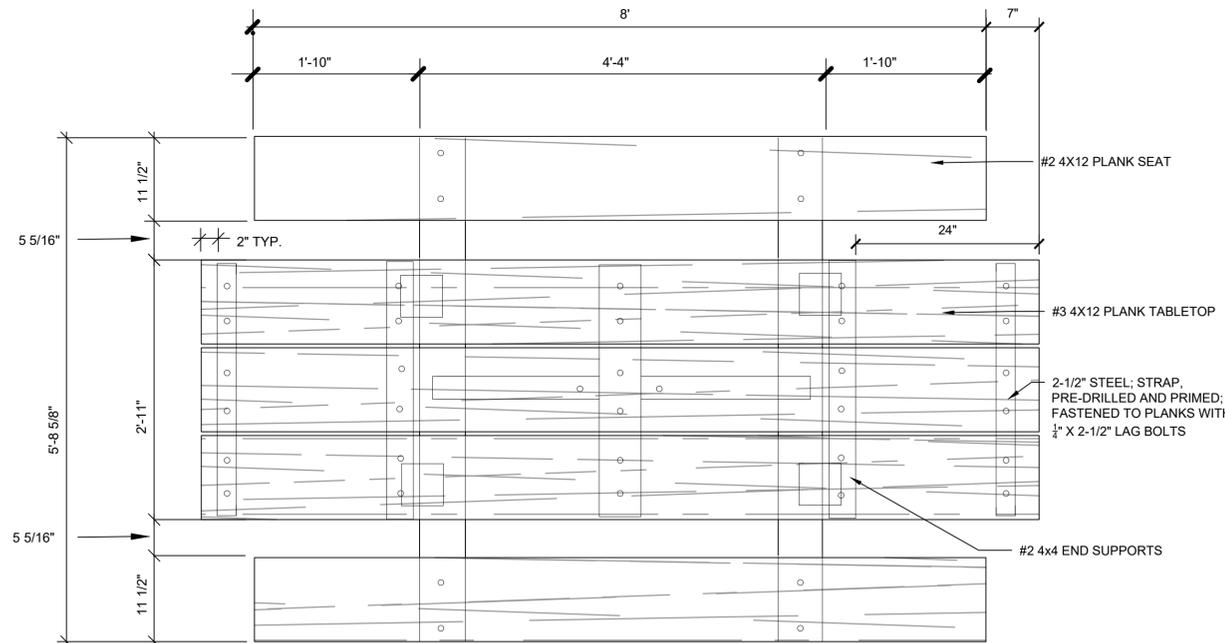


PARTIAL PERSPECTIVE

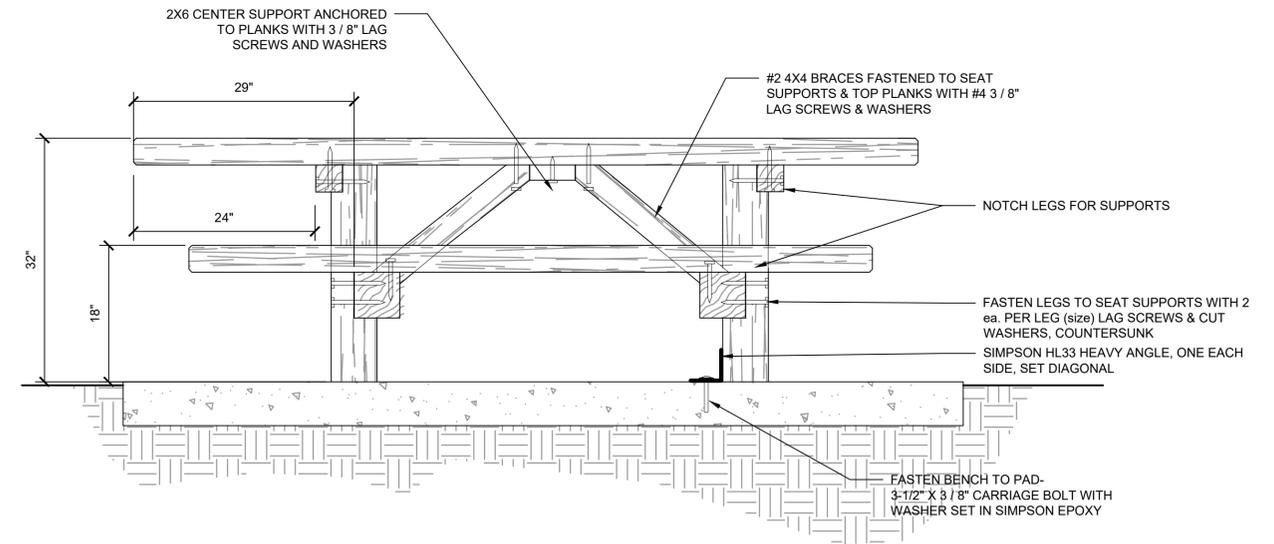
- NOTES:**
1. ALL LAG SCREWS TO PENETRATE 2" MINIMUM
 2. ALL FASTENERS FOR INSTALLATION ARE TO BE GALVANIZED OR STAINLESS STEEL
 3. ALL WOOD TO BE YELLOW ALASKA CEDAR; NO 1 CONSTRUCTION GRADE OR BETTER
 4. ALL EXPOSED FASTENERS TO HAVE MALLEABLE IRON WASHERS
 5. WOOD TO BE LIGHTLY SANDED FINISH SO THAT NO SPLINTERS
 6. ALL WOOD TO BE STAINED WITH PENOFIN TSF MARINE GRADE, COLOR 'IPE'; TWO COATS MIN.



END ELEVATION

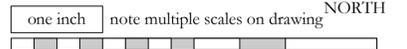


PLAN VIEW



SIDE ELEVATION

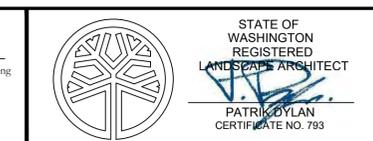
1 | PICNIC TABLE
L-7 | NO SCALE



NO.	DATE	REVISION	BY	REV
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

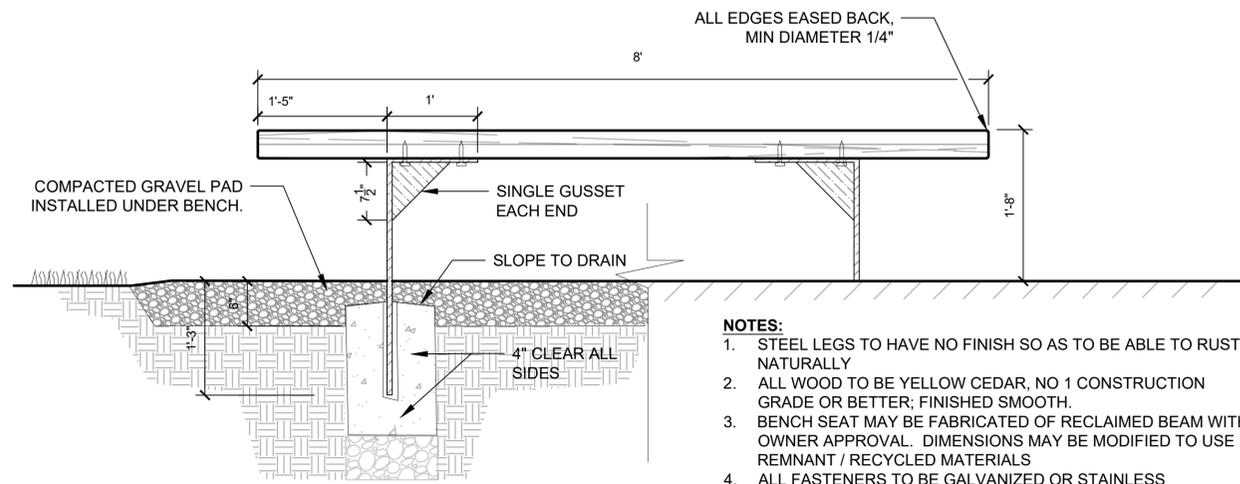
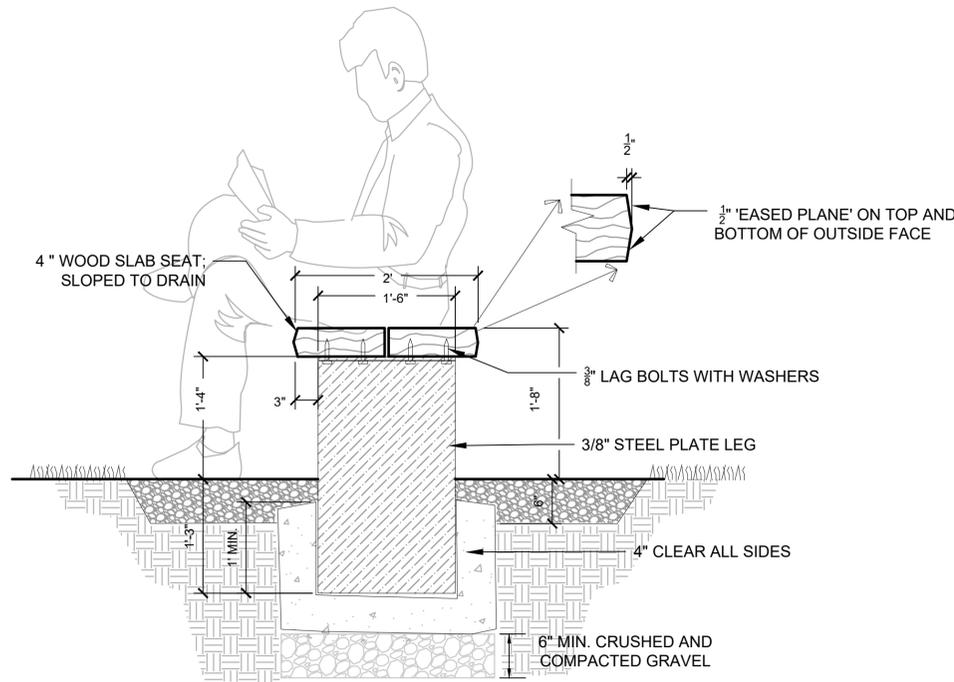
prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com



Northern State Recreation Area
Sedro-Woolley, WA

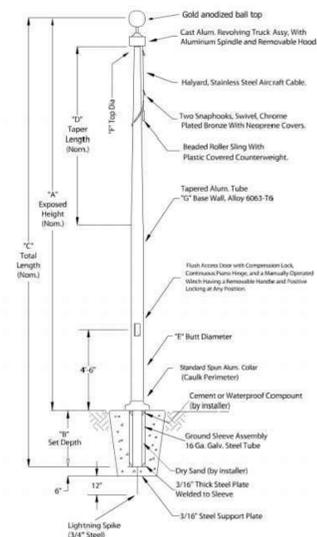
TABLE DETAILS
BID SET

ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: L-7



- NOTES:**
1. STEEL LEGS TO HAVE NO FINISH SO AS TO BE ABLE TO RUST NATURALLY
 2. ALL WOOD TO BE YELLOW CEDAR, NO 1 CONSTRUCTION GRADE OR BETTER; FINISHED SMOOTH.
 3. BENCH SEAT MAY BE FABRICATED OF RECLAIMED BEAM WITH OWNER APPROVAL. DIMENSIONS MAY BE MODIFIED TO USE REMNANT / RECYCLED MATERIALS
 4. ALL FASTENERS TO BE GALVANIZED OR STAINLESS
 5. ALL METAL EDGES TO BE DEBURRED AND HAVE EDGES GROUND SO AS TO POSE NO CUTTING OR ABRASION HAZARD
 6. ALL WOOD TO BE STAINED WITH PENOFIN TSF MARINE GRADE, COLOR 'IPE'; TWO COATS MIN.

1 | PARK BENCH
L-8 | 1/4" = 1'-0" (CHECK SCALE BAR FOR ACCURACY)



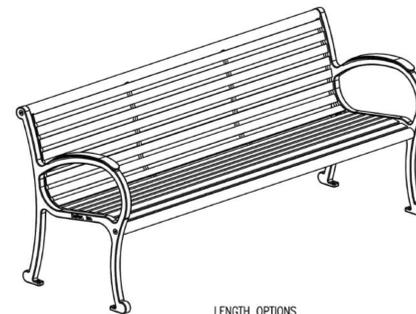
SELECTED SPECIFICATIONS:
Concord American Flagpole - 9 flagpoles total
Model: Monarch Series ICC
Color: Anodized Black
Contact: 800-527-3900
Installed per manufactures specifications

Height: 35'
Pole Quantity: 1
Flag Quantity: 2 (US 6'x10')

Height: 25'
Pole Quantity: 8
Flag Quantity: 6 (WA state, POW/MIA, Army, Marines, Navy, AF, CG, Space Force - all 4'x6')

Monarch Series - ICC Internal Cam Cleat - Rope Halyard

HT.	BUIT DIA.	WALL THICKNESS	POLE SECTIONS	SET DEPTH	TOP DIA.	STD FLAG SIZE	MAX WIND SPEED WITH FLAG	MAX WIND SPEED NO FLAG	CULOUS NUMBER
20'	5"	.125"	1	2'0"	3"	4' x 6'	117	204	ICC20B51-***
5"	.168"	1	2'0"	3"	4' x 6'	151	272	ICC20B51-***	
25'	5"	.125"	1	2'6"	3"	5' x 8'	84	110	ICC25B51-***
5"	.156"	1	2'6"	3"	5' x 8'	93	129	ICC25B51-***	
6"	.156"	1	2'6"	3.5"	5' x 8'	126	216	ICC25B61-***	
6"	.188"	1	2'6"	3.5"	5' x 8'	144	240	ICC25B61-***	
30'	5"	.156"	1	3'0"	3"	6' x 10'	72	90	ICC30B51-***
5"	.156"	2	3'0"	3"	6' x 10'	72	90	ICC30B52-***	
6"	.156"	1	3'0"	3.5"	6' x 10'	91	138	ICC30B61-***	
6"	.156"	2	3'0"	3.5"	6' x 10'	91	138	ICC30B62-***	
6"	.188"	1	3'0"	3.5"	6' x 10'	102	170	ICC30B61-***	
6"	.188"	2	3'0"	3.5"	6' x 10'	102	170	ICC30B62-***	
35'	6"	.156"	1	3'6"	3.5"	6' x 10'	74	93	ICC35B61-***
6"	.156"	2	3'6"	3.5"	6' x 10'	74	93	ICC35B62-***	
7"	.156"	1	3'6"	3.5"	6' x 10'	95	142	ICC35C71-***	
7"	.156"	2	3'6"	3.5"	6' x 10'	95	142	ICC35C72-***	
7"	.188"	1	3'6"	3.5"	6' x 10'	107	167	ICC35D71-***	
7"	.188"	2	3'6"	3.5"	6' x 10'	107	167	ICC35D72-***	



LENGTH OPTIONS:
 6' BENCH
 8' BENCH

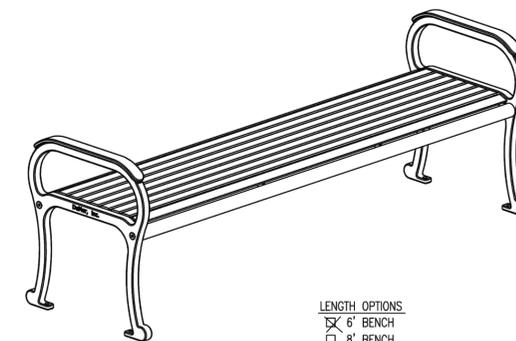
- NOTES:**
- 1.) ALL STL. MEMBERS COATED W/ ZINC RICH COATING THEN POLYESTER POWDER COATED.
 - 2.) BENCH IS SHIPPED UNASSEMBLED.
 - 3.) 1/2" x 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.

DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142

SCALE: NONE
DATE DRAWN: 7/2/03
DRAWN BY: JSB
DATE REV: 3/20/07
REV. BY: AMH

TITLE: BENCH
REV. DRAWING NUMBER: 160 SERIES
SHEET: 1 OF 2

3 | PLAZA BENCH B
L-8 | NO SCALE



LENGTH OPTIONS:
 6' BENCH
 8' BENCH

- NOTES:**
- 1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
 - 2.) BENCH IS SHIPPED UNASSEMBLED.
 - 3.) 1/2" x 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED

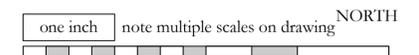
DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142

SCALE: NONE
DATE DRAWN: 8/4/04
DRAWN BY: AMH
DATE REV: 1/6/09
REV. BY: AMH

TITLE: BENCH
REV. DRAWING NUMBER: 164 SERIES
SHEET: 1 OF 2

4 | PLAZA BENCH A
L-8 | NO SCALE

2 | FLAGPOLE
L-8 | no scale



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com

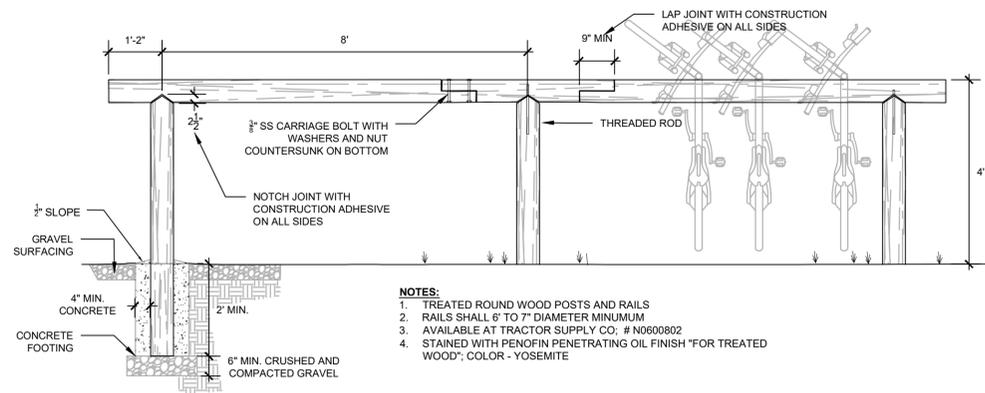


Northern State Recreation Area
Sedro-Woolley, WA

SCALES:
HORIZONTAL :
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

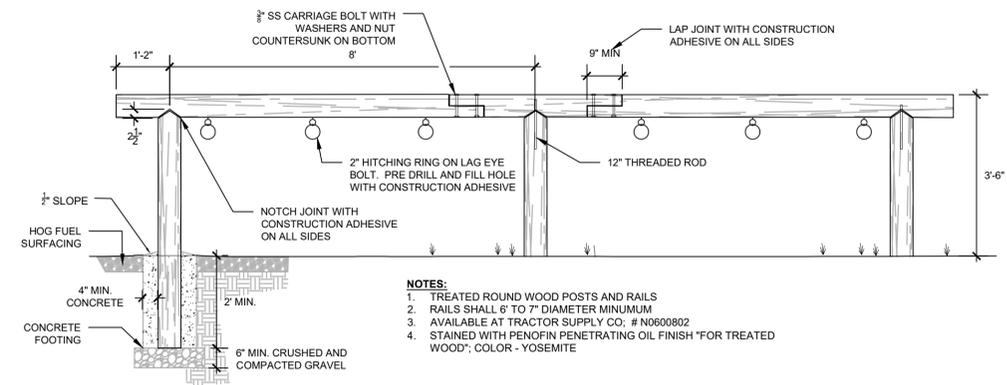
BENCH AND FLAG DETAILS
BID SET

ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: **L-8**



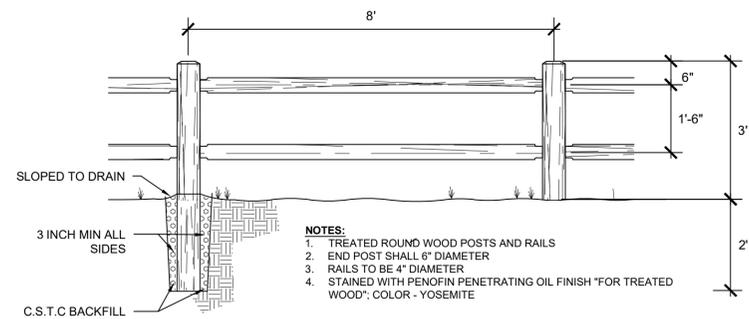
- NOTES:**
1. TREATED ROUND WOOD POSTS AND RAILS
 2. RAILS SHALL 6" TO 7" DIAMETER MINIMUM
 3. AVAILABLE AT TRACTOR SUPPLY CO.; # N0600802
 4. STAINED WITH PENOFIN PENETRATING OIL FINISH *FOR TREATED WOOD*; COLOR - YOSEMITE

1 | BIKE RACK
L-9 | NO SCALE



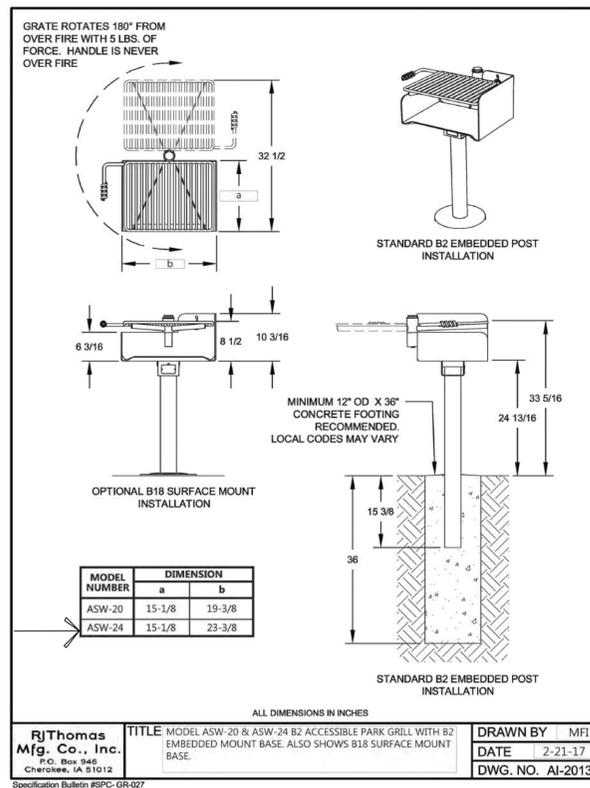
- NOTES:**
1. TREATED ROUND WOOD POSTS AND RAILS
 2. RAILS SHALL 6" TO 7" DIAMETER MINIMUM
 3. AVAILABLE AT TRACTOR SUPPLY CO.; # N0600802
 4. STAINED WITH PENOFIN PENETRATING OIL FINISH *FOR TREATED WOOD*; COLOR - YOSEMITE

3 | HITCHING POST
L-9 | NO SCALE

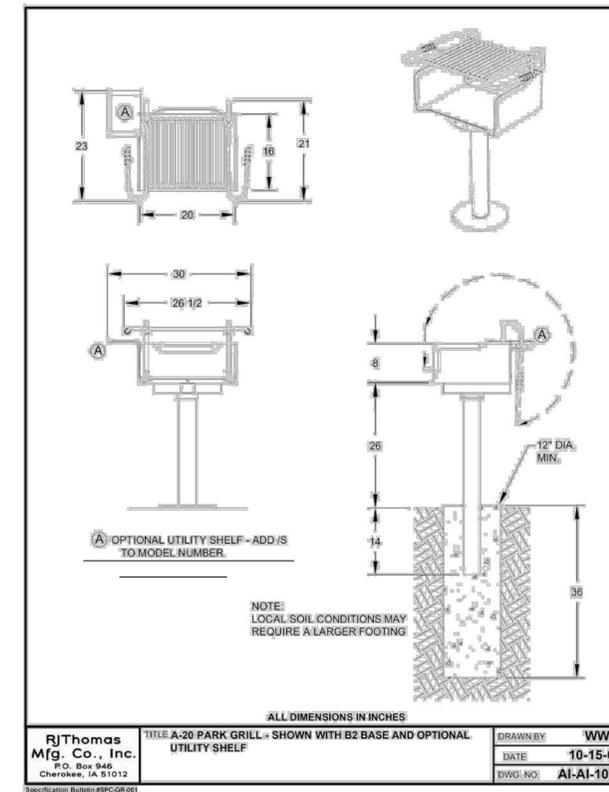


- NOTES:**
1. TREATED ROUND WOOD POSTS AND RAILS
 2. END POST SHALL 6" DIAMETER
 3. RAILS TO BE 4" DIAMETER
 4. STAINED WITH PENOFIN PENETRATING OIL FINISH *FOR TREATED WOOD*; COLOR - YOSEMITE

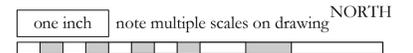
2 | ROUNDED POST FENCE
L-9 | NO SCALE



4 | BBQ-1 (accessible)
L-9 | NO SCALE



5 | BBQ-2
L-9 | NO SCALE



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com

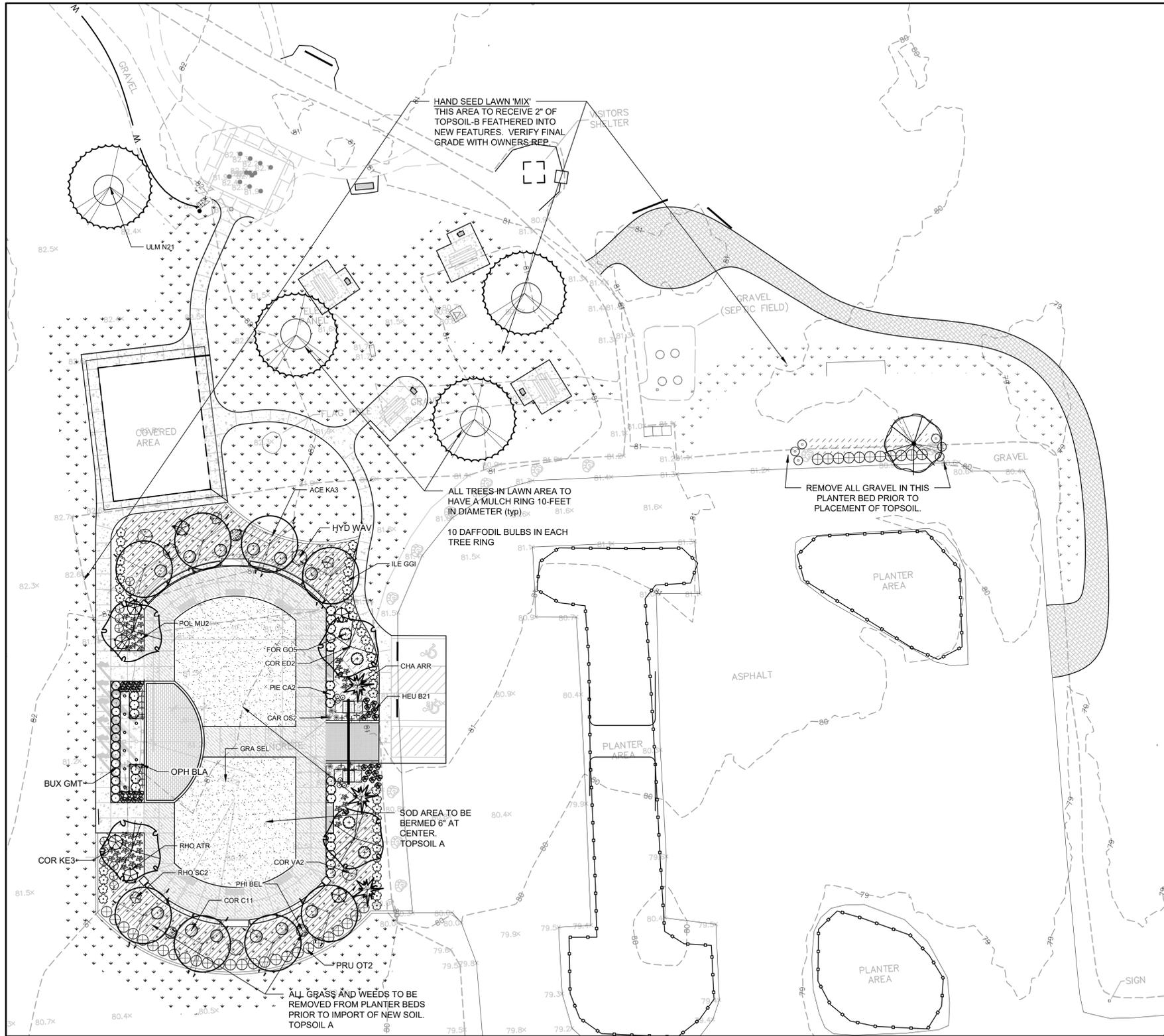
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PATRIK BYLAN
CERTIFICATE NO. 793

Northern State Recreation Area
Sedro-Woolley, WA

SCALES:
HORIZONTAL :
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

RACKS, HITCH, FENCE
AND BBQ
BID SET

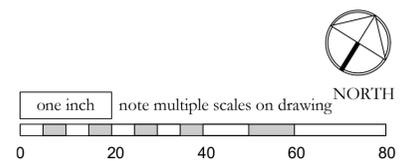
ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: L-9



PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	ACE KA3	8	Acer rubrum 'Karpick'	Karpick Red Maple	2" Cal.
	CHA ARR	3	Chamaecyparis nootkatensis 'Green Arrow'	Green Arrow Nootka Cypress	7' Ht.
	COR ED2	4	Cornus nuttallii x florida 'Eddie's White Wonder'	Eddie's White Wonder Dogwood	2" Cal.
	FAG SYL	1	Fagus sylvatica	European Beech	2" Cal.
	ULM N21	4	Ulmus americana 'New Horizon'	New Horizon American Elm	2" Cal.
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	BUX GRV	7	Buxus x 'Green Velvet'	Green Velvet Boxwood	2 gal.
	COR C11	12	Cornus sanguinea 'Arctic Fire' TM	Arctic Fire Bloodtwig Dogwood	2 gal.
	COR VA2	2	Cornus stolonifera 'Elegantissima'	Variiegated Redtwig Dogwood	2 gal.
	COR KE3	12	Cornus stolonifera 'Kelsey'	Kelsey Dogwood	2 gal.
	FOR GO5	4	Forsythia x 'Goldilocks'	Goldilocks Forsythia	2 gal.
	HYD WAV	3	Hydrangea macrophylla 'Blue Wave'	Blue Wave Lacecap Hydrangea	2 gal.
	ILE GGI	43	Ilex glabra	'Gem Box' Inkberry Holly	2 gal.
	PHI BEL	3	Philadelphus x 'Belle Etoile'	Mock Orange	2 gal.
	PIE CA2	15	Pieris japonica 'Cavatine'	Lily of the Valley Bush	2 gal.
	PRU OT2	36	Prunus laurocerasus 'Otto Luyken'	Luykens Laurel	2 gal.
	RHO SC2	3	Rhododendron schlippenbachii	Royal Azalea	5 gal.
	RHO ATR	7	Rhododendron x 'Taurus'	Taurus Rhododendron	2 gal.
	SPI SP2	6	Spiraea japonica 'Little Princess'	Little Princess Japanese Spirea	2 gal.
PERENNIALS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	CAR OS2	6	Carex oshimensis 'Everoro'	Everoro Japanese Sedge	1 gal.
	HEM YH3	18	Hemerocallis x	Hybrid Daylily	1 gal.
	HEU B21	32	Heuchera x 'Black Beauty'	Coral Bells	1 gal.
	OPH BLA	24	Ophiopogon japonicus 'Black'	Black Mondo Grass	1 gal.
	POL MU2	40	Polystichum munitum	Western Sword Fern	1 gal.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	ARC UVA	37	Arctostaphylos uva-ursi	Kinnikinnick	6"
	MAH RE3	289	Mahonia repens	Creeping Mahonia	6"
SOD/SEED	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	GRA SEL	2,992 sf	Grass Sod Locally Proven	Turf	sod
	GRA ENM	23,562 sf	Low Grow Lawn Seed Mix - Locally Proven	Lawn Mix	seed

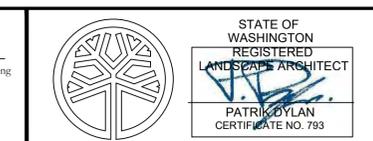
PLANTING PLAN AT PLAZA
1" = 20'-0" (CHECK SCALE BAR FOR ACCURACY)



NO.	DATE	REVISION	BY	REV
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com

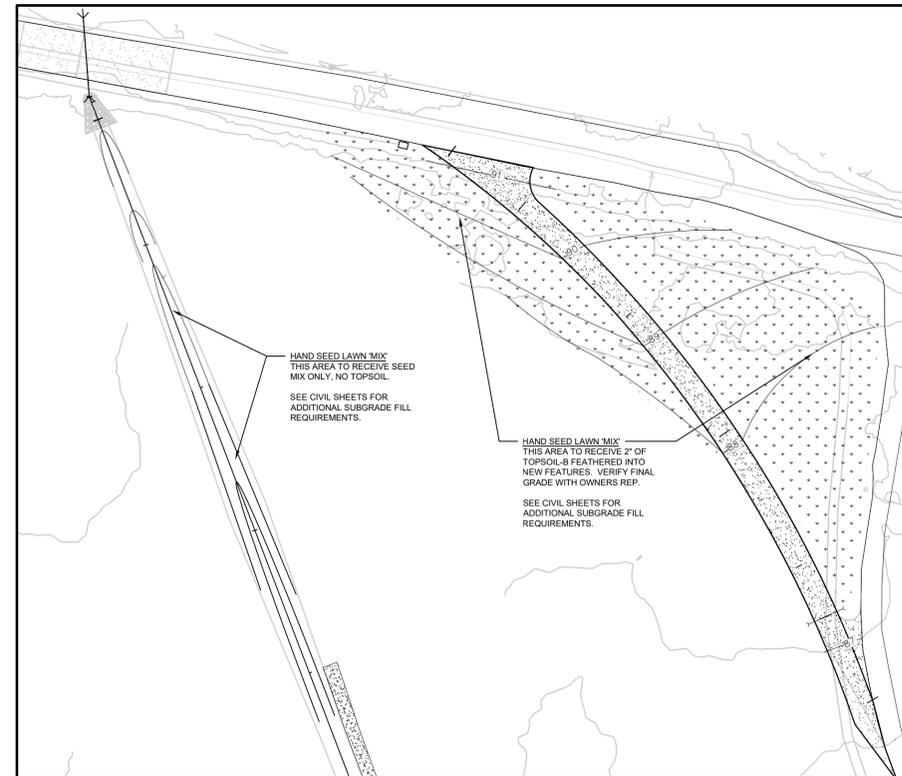
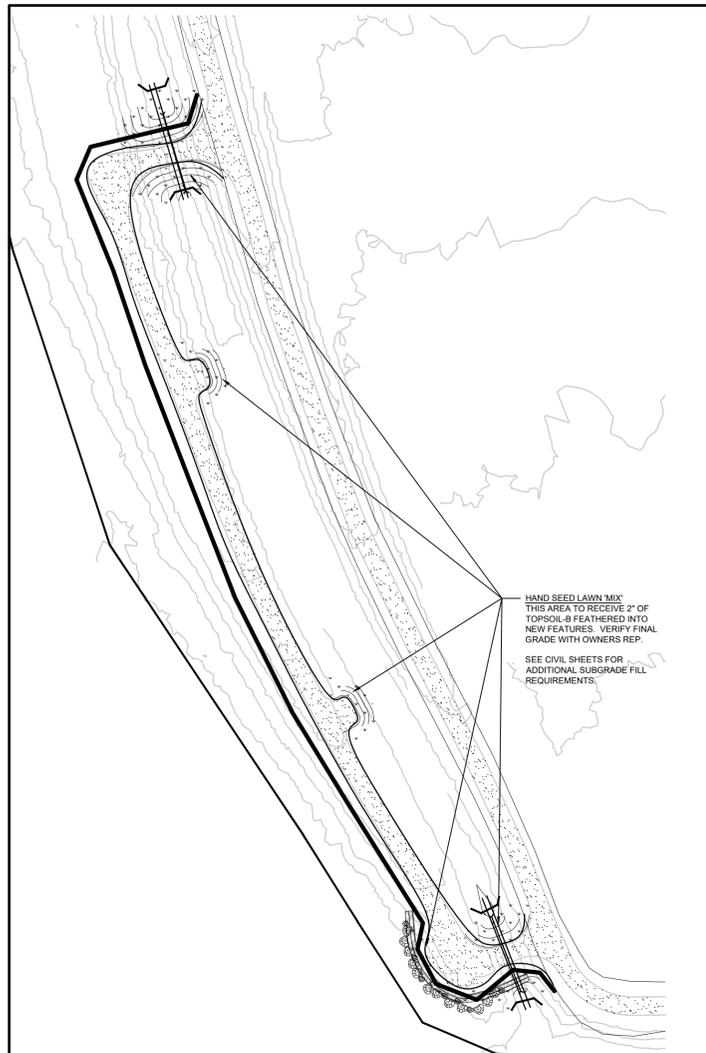


Northern State Recreation Area
Sedro-Woolley, WA

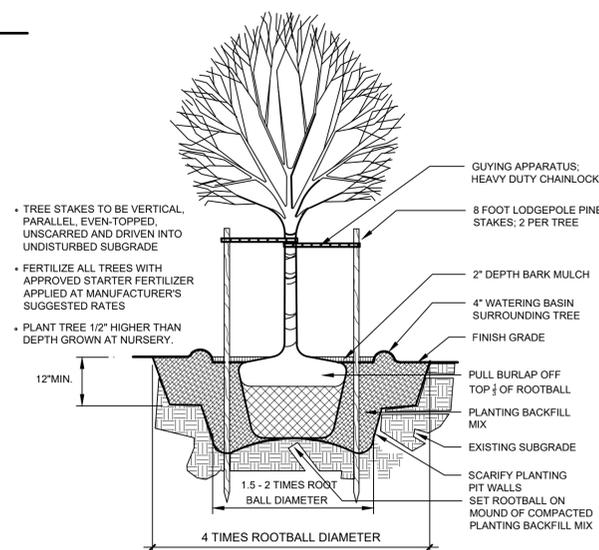
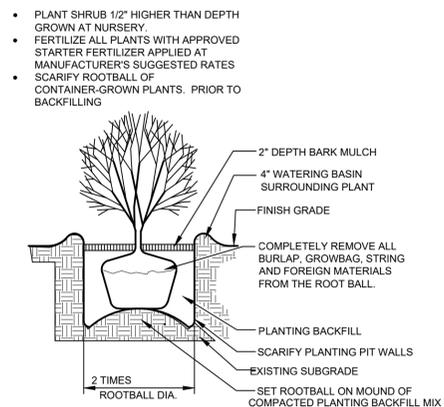
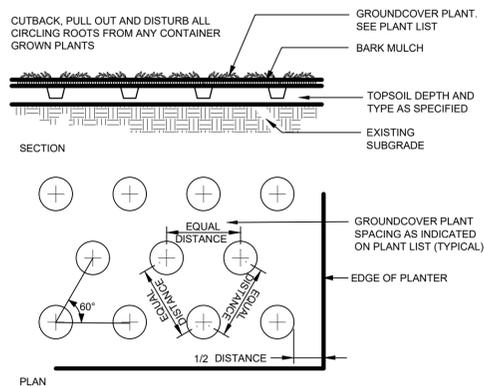
SCALES:
HORIZONTAL : 1" = 20'
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

PLANTING PLAN
BID SET

ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: LP-1



PLANTING PLAN ATSIDE TRAIL AND TRAIL CONNECTION (SEEDING ONLY)
1" = 30'-0" (CHECK SCALE BAR FOR ACCURACY)



1 | TYPICAL PLANTING DETAILS
L-2 | NO SCALE

GENERAL NOTES

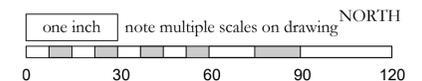
- ALL WORK SHALL BE PERFORMED BY PERSONS FAMILIAR WITH THIS KIND OF WORK AND UNDER THE SUPERVISION OF A QUALIFIED FOREMAN.
- ALL PLANT MATERIAL SIZES AND QUALITY TO CONFORM TO AMERICAN ASSOC. OF NURSERYMEN, AMERICAN STANDARD FOR NURSERY STOCK, MOST RECENT PUBLISHED.
- PLANT LOCATIONS ON THE PLANS ARE DIAGRAMMATIC AND MAY BE SUBJECT TO ADJUSTMENT IN THE FIELD BY THE LANDSCAPE CONTRACTOR.
- ALL PLANT MATERIAL SHALL BE OF NURSERY STOCK AND SHALL BE OF THE TYPE, SIZE AND CONDITION SPECIFIED. THE PLANT MATERIAL SHALL EXHIBIT NORMAL HABITS OF GROWTH FOR THE SPECIES, SHALL HAVE BUDS INTACT AND SHALL BE FREE OF DISEASE, INSECTS, SCARS, BRUISES, BREAKS, SEED AND WEED ROOTS.
- SEE NOTES THIS SHEET FOR TOPSOIL DEPTH AND SPECIFICATION.
- SEE SPEC THIS SHEET FOR BIORETENTION SOIL MIX. BIORETENTION SOIL MIX TO BE PLACED AT A MINIMUM DEPTH OF 12" IN THE BOTTOM OF THE BIORETENTION.
- MEDIUM BARK MULCH IS TO BE INSTALLED AT ALL NEW PLANTING AREAS WITH A MINIMUM OF 2 INCHES.
- ALL LANDSCAPE AREAS (**NOT-BIORETENTION**) SHALL HAVE PLANTING BACKFILL AMENDED WITH A TRANSPLANT AMENDMENT (SUPERTHRIVE OR EQUAL) AND WETTING AGENT (TERAWET OR EQUAL) APPLIED AT MANUFACTURES RECOMMENDED RATE.
- LANDSCAPE CONTRACTOR SHALL VERIFY LOCATION OF ALL SITE UTILITIES PRIOR TO LANDSCAPE IMPLEMENTATION. PLANT LOCATIONS MAY BE ADJUSTED TO AVOID CONFLICT.
- LANDSCAPE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING SITE IMPROVEMENTS, PAVING, WALLS, AND UNDERGROUND UTILITIES. DAMAGE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AND AT NO ADDITIONAL COST.
- PLANT COUNT IS FOR THE CONTRACTOR'S CONVENIENCE; IF THERE IS A DISCREPANCY, THE PLAN SHALL GOVERN. ACTUAL PLANT QUANTITIES TO BE DETERMINED BY REQUIRED PLANT SPACING.
- ALL AREAS TO BE PLANTED WITH GROUND COVER ARE INDICATED ON THE PLAN WITH A HATCH PATTERN. SEE PLANT LIST FOR PLANT TYPE, SIZE, AND SPACING.
- SUBSTITUTION OF PLANT VARIETIES DUE TO LACK OF AVAILABILITY SUBJECT TO APPROVAL BY THE OWNERS REPRESENTATIVE AND CITY.
- ALL DIMENSIONS ARE ASSUMED TO BE PARALLEL OR PERPENDICULAR UNLESS OTHERWISE NOTED.
- ALL SOIL GRADES TO BE A MINIMUM SIX INCHES BELOW ADJACENT FINISH FLOOR ELEVATIONS UNLESS NOTED OTHERWISE ALL GRADES ADJACENT TO A BUILDING SHALL HAVE A MAXIMUM SLOPE OF 5% 3' FROM FOUNDATION.
- ALL GRADES, DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
- BASEMAP PROVIDED BY SEMRAU ENGINEERS, MOUNT VERNON, WA, 360-424-9566

SOIL NOTES

- CONTRACTOR MAY STOCKPILE SITE TOPSOIL FOR POSSIBLE RE-USE IN LANDSCAPE BEDS. STOCKPILED TOPSOIL TO BE APPROVED BY OWNERS REPRESENTATIVE. ROAD BASE, GLACIAL TILL, GRAVEL OR CONTAMINATED SOILS ARE NOT ACCEPTABLE AND WILL BE REJECTED.
- SITE TOPSOIL SHALL HAVE ALL ROCKS, GRASS CLOUDS AND DEBRIS LARGER THAN 1" WHENEVER VISIBLE ON THE SURFACE
- EXISTING SITE TOPSOIL TO BE AMENDED WITH COMPOST AT A RATIO OF 3:1. 3 UNITS OF EXISTING SOIL TO ONE UNIT OF COMPOST. COMPOST TO BE WSDOT CERTIFIED.
- IN LIEU OF AMENDING SITE TOPSOIL CONTRACTORS MAY CHOOSE TO USE IMPORTED 2-WAY TOPSOIL.
- TOPSOIL DEPTHS
 - TOPSOIL TO BE PLACED AT A MINIMUM OF 9" IN ALL LANDSCAPE BED AREAS AND INCORPORATED INTO EXISTING SUBGRADE. LIGHTLY TAMP 6" LAYERS OF SOIL BY HAND OR LIGHTLY WITH EXCAVATOR.
 - TOPSOIL TO BE PLACE AT AT MINIMUM OF 12" IN ALL TREE-PIT AREAS. SEE DETAIL THIS PAGE.
 - LAWN / GRASS AREA HAVE A MINIMUM 2" PROFILE OF TOPSOIL OR EXTENT OF SEEDED AREA.
- TOPSOIL SHALL NOT BE MOVED, MIXED OR PLACE WHILE SATURATED.
- IN ALL INSTANCES, PLACED TOPSOIL TO BE INCORPORATED INTO EXISTING GRADE.

MAINTENANCE NOTES

- UNDER NO CIRCUMSTANCE ARE STREET TREES TO BE TOPPED OR PRUNED WITHOUT PERMISSION OF THE CITY ARBORIST.
- UNDER NO CIRCUMSTANCE ARE SHRUBS TO BE SHEARED OR SHAPED WITHOUT EXPLICIT PERMISSION FROM THE OWNER. SHRUBS ARE DESIGNED TO FILL AND GROW IN TO A PERMANENT MATURE SIZE.
- GROUND COVER THAT GROWS "OUT" OF BEDS AND INTO ADJACENT WALKS OR ROADS ARE TO BE CUT-BACK AS NEEDED.
- PERENNIAL AND GRASSES WHICH ARE DECIDUOUS MAY BE CUT BACK AT OWNERS DISCRETION, ONCE PER YEAR, DURING THE MONTHS OF FEBRUARY, MARCH OR APRIL.
- LAWN TO BE FERTILIZED ONCE PER YEAR MIN PER PRODUCT INSTRUCTIONS.
- WEEDS TO BE REMOVED IN A TIMELY MANNER BY MECHANICAL OR CHEMICAL MEANS, IN COMPLIANCE WITH ALL LOCAL AND STATE GUIDELINES AND REQUIREMENTS.
- BARK MULCH IN PLANTER BEDS TO BE TOPPED OFF WITH 1" LIFT MIN, ONCE PER YEAR IN THE SPRING.



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com



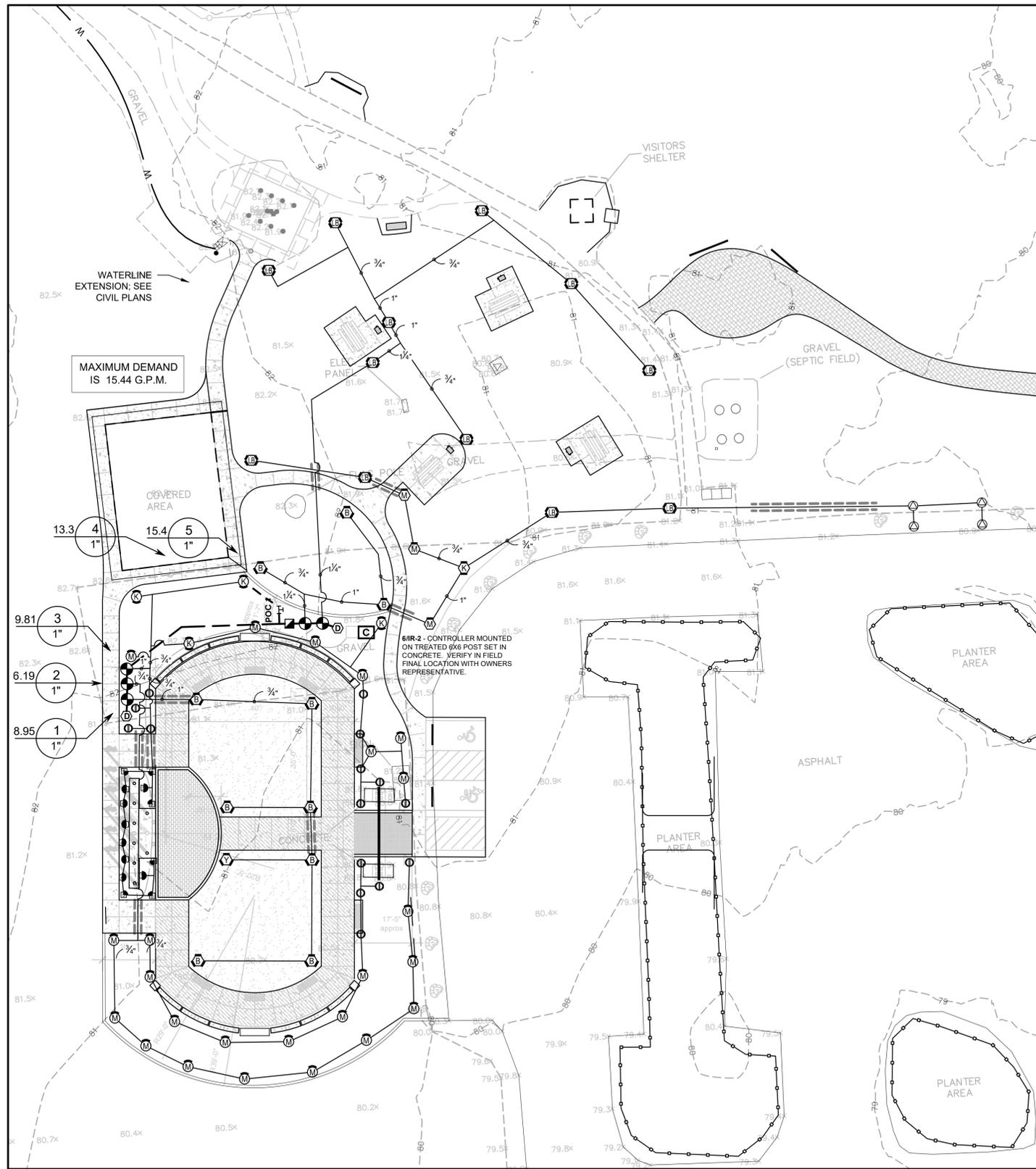
Northern State Recreation Area
Sedro-Woolley, WA

SCALES:
HORIZONTAL : 1" = 30'
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

PLANTING DETAILS

BID SET

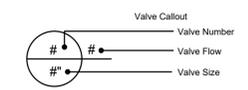
ISSUE DATE:	3.16.22
DRAWING:	1301 SCVP
JOB NO.:	1301vp
SHEET:	LP-2



IRRIGATION PLAN
 1" = 20'-0" (CHECK SCALE BAR FOR ACCURACY)

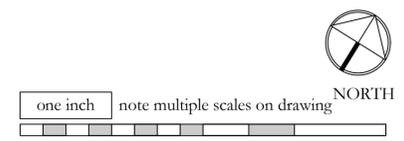
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
20 2H 4Q 4H 6Q 6H	Hunter PROS-12-PRS30 short radius nozzles Shrub Spray, 30 psi regulated 12" Pop-Up. Co-molded wiper seal with UV Resistant Material.	6
Q H F	Hunter PROS-12-PRS30 5' radius Shrub Spray, 30 psi regulated 12" Pop-Up. Co-molded wiper seal with UV Resistant Material.	8
M O	Hunter MP1000 PROS-06-PRS40-CV Turf Rotator, 6" pop-up with check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc.	3
K G R	Hunter MP2000 PROS-06-PRS40-CV Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc.	1
B A	Hunter MP3000 PROS-06-PRS40-CV Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc.	11
L	Hunter MP3500 PROS-06-PRS40-CV Turf Rotator, 6.0" Pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. LB=light brown adjustable arc, 90-210.	12
LST RST SST	Hunter MP Strip PROS-12-PRS40-CV Shrub Rotator, 12" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle. LST=Ivory left strip, SST=Brown side strip, RST=Copper right strip, on PRS40 body.	4
M O	Hunter MP1000 PROS-12-PRS40-CV Shrub Rotator, 12" pop-up with check valve, pressure regulated to 40 psi, MP Rotator nozzle. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.	24
K G R	Hunter MP2000 PROS-12-PRS40-CV Shrub Rotator, 12" pop-up with check valve, pressure regulated to 40 psi, MP Rotator nozzle. K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc on PRS40 body.	4
OR 360	Hunter MP800SR PROS-12-PRS40-CV Shrub Rotator, 12.0" pop-up with check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. OR = Orange adj arc 90 to 210.	15
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
●	Hunter ICV-G 1" 1", 1-1/2", 2", and 3" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	5
■	Hunter HQ-33DRC 3/4" Quick coupler valve, yellow rubber cover, red brass and stainless steel, with 3/4" NPT inlet, 2-piece body.	1
Ⓧ	Drain Valve	2
C	Hunter PC-400 with (01) PCM-300 Light Commercial & Residential Controller, 7-station expanded module controller, 120 VAC, Outdoor model	1
POC 1	Point of Connection 1"	1
—	Irrigation Lateral Line: PVC Schedule 40	16.8 l.f.
—	Irrigation Lateral Line: PVC Schedule 40 3/4"	1,500 l.f.
—	Irrigation Lateral Line: PVC Schedule 40 1"	102.1 l.f.
—	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	108.3 l.f.
—	Irrigation Mainline: PVC Schedule 40	48.5 l.f.
—	Irrigation Mainline: PVC Schedule 40 1 1/2"	43.0 l.f.
—	Pipe Sleeve: PVC Schedule 80	114.0 l.f.



IRRIGATION NOTES:

- ALL WORK SHALL BE PERFORMED BY PERSONS FAMILIAR WITH THIS KIND OF WORK AND UNDER THE SUPERVISION OF A QUALIFIED FOREMAN.
- THE INFORMATION ON THE IRRIGATION PLANS IS DIAGRAMMATIC ONLY. CONFLICTS WITH EXISTING CONDITIONS AND INFORMATION PROVIDED ON CONTRACT DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE.
- QUANTITIES IN THE LEGEND ARE PROVIDED FOR CONTRACTORS CONVENIENCE AND DUE TO THE DIAGRAMMATIC NATURE OF THE DRAWING SHOULD ONLY BE USED AS ESTIMATES; IF THERE IS A DISCREPANCY, THE PLAN SHALL GOVERN. ACTUAL QUANTITIES DETERMINED BY IRRIGATION HEAD SPACING.
- LOCATE AND VERIFY ALL UTILITY LINES PRIOR TO EXCAVATION OR CONSTRUCTION.
- THE IRRIGATION SYSTEM SHALL BE MAINTAINED INCLUDING ADJUSTMENTS FOR BALANCED WATER DISTRIBUTION AND PRECIPITATION. FAILED OR MALFUNCTIONING EQUIPMENT SHALL BE REPLACED OR CORRECTED BY CONTRACTOR.
- OPERATION PRESSURE A SPRAY HEADS SHALL BE APPROXIMATELY 30 PSI. STATIC PRESSURE AT METER SHOULD BE A MINIMUM OF 50 PSI. SYSTEM SHALL OPERATE BETWEEN 50 AND 70 PSI. CONTRACTOR TO VERIFY AVAILABLE PRESSURE.
- PVC SLEEVES SHALL BE INSTALLED AT ALL CROSSING OF SIDEWALKS, WALLS, AND PAVEMENT AND SHALL BE TWICE THE DIAMETER OF THE PIPE OR PIPES PASSING THROUGH THE SLEEVES. SLEEVES ARE SHOWN ON THE IRRIGATION PLAN AT APPROXIMATE LOCATIONS.
- PIPING IS SIZED TO ENSURE WATER VELOCITIES OF LESS THAN 5 FEET PER SECOND AND TO ENSURE MINIMUM PRESSURE LOSS IN THE PIPING.
- LOCATION OF VALVES AND PIPING WILL VARY WHEN INSTALLED. PLACE PIPE IN COMMON TRENCHES AND VALVES AT EDGES OF LAWNS OR PLANTING BEDS. PIPE ROUTING SHALL FOLLOW CONTRACT DRAWINGS AS CLOSELY AS POSSIBLE.
- WHERE THE FIELD CONDITIONS REQUIRE ADJUSTMENTS, HEADS SHALL BE ADDED OR DELETED IN ACCORDANCE WITH THE IRRIGATION LEGEND OR MANUFACTURER'S SPECIFICATIONS. PIPE SIZING SHALL BE ADJUSTED ACCORDINGLY, AND THE WATER VELOCITY SHALL NOT EXCEED 5 FEET PER SECOND.
- INSTALL V.A.N. (VARIABLE ARC NOZZLES) AS REQUIRED ON ALL SPRAY SPRINKLERS.
- PROVIDE ONE SPARE WIRE TO RUN FROM CONTROLLER TO END VALVE ON EACH LEG OF THE MAINLINE. IDENTIFY EACH SPARE AT THE CONTROLLER. LOOP A 24" COIL OF SPARE WIRE INSIDE EACH VALVE BOX.
- VALVE BOXES SHALL BE AMTEX OR APPROVED EQUAL AND LOCATED ON PLANTING AREAS IF POSSIBLE (TWO VALVES PER BOX)
- SURVEY INFORMATION FOR BUILDING FOOTPRINTS AND ROADS PROVIDED BY ENGINEER. WALLS, SIDEWALKS, AND DRIVEWAYS ARE PROVIDED BASED ON PRE-CONSTRUCTION INFORMATION AND MAY VARY FROM PLAN. VERIFY IN FIELD.



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
 Skagit County Parks and Recreation
 Continental Way
 Mount Vernon, WA 98083
 contact: Brian Adams

prepared by:
 eccosDesign
 Landscape Architecture and Planning
 Mount Vernon, WA 98273
 p. 360.419.7400
 www.eccosdesign.com

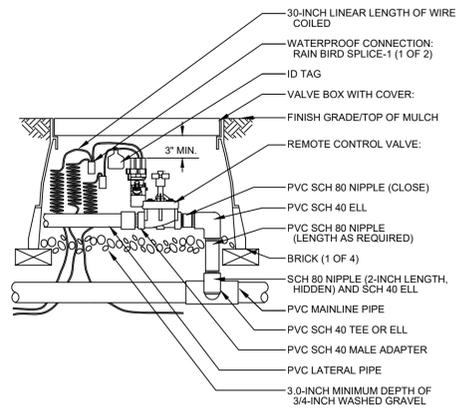
STATE OF WASHINGTON
 REGISTERED
 LANDSCAPE ARCHITECT
 PATRIK BYLAN
 CERTIFICATE NO. 793

Northern State Recreation Area
 Sedro-Woolley, WA

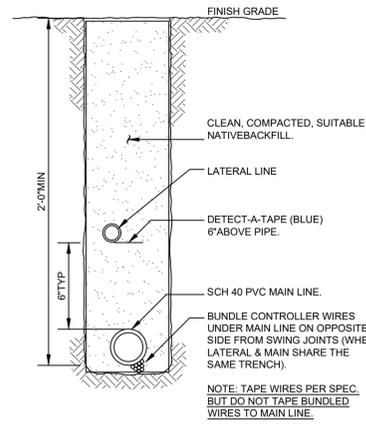
SCALES:
 HORIZONTAL :
 VERTICAL : N/A
 DESIGNED: PD
 DRAWN: PD
 CHECKED: PD

IRRIGATION PLAN
 BID SET

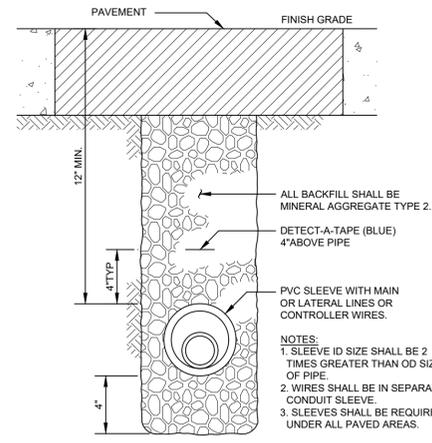
ISSUE DATE: 3.16.22
 DRAWING: 1301 SCVP
 JOB NO.: 1301vp
 SHEET: IR-1



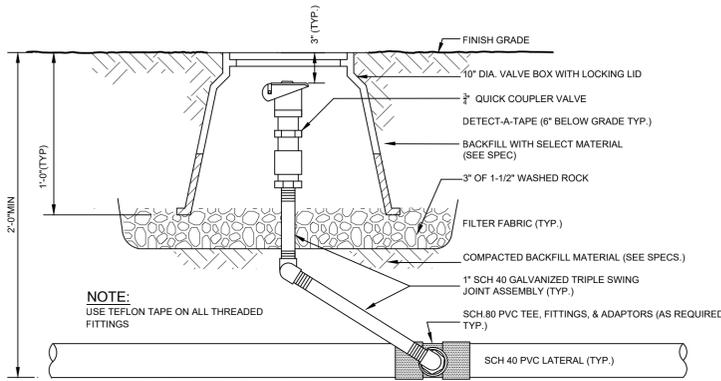
1 CONTROL VALVE ASSEMBLY
IR-2 NO SCALE



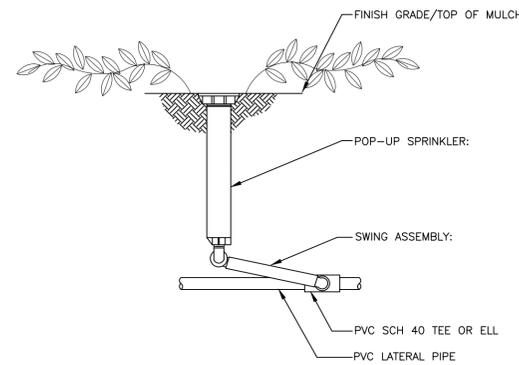
2 TYPICAL TRENCHING
IR-2 NO SCALE



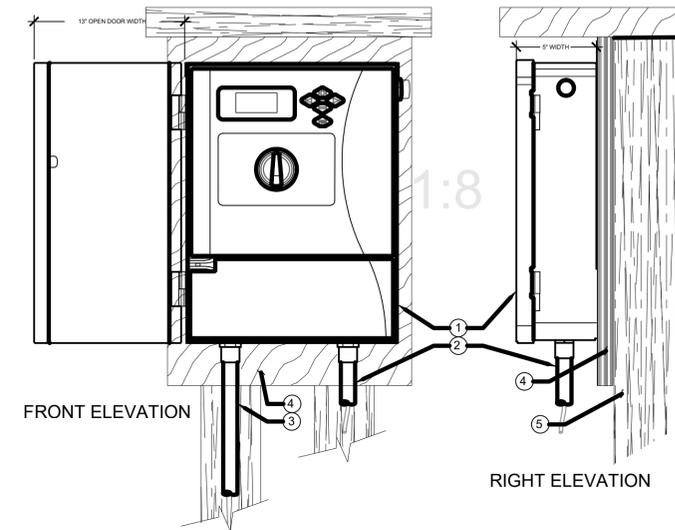
3 IRRIGATION SLEEVES
IR-2 NO SCALE



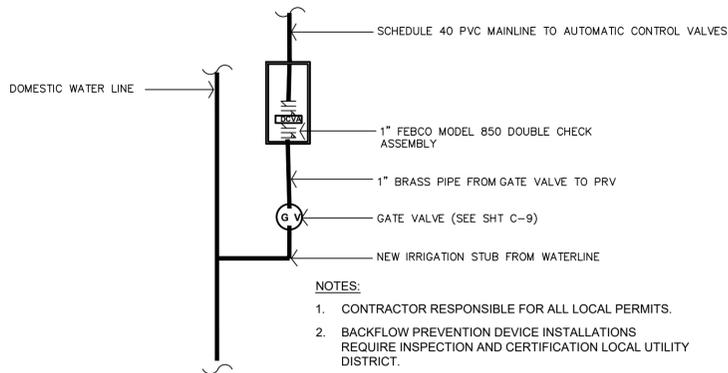
4 QUICK COUPLER
IR-2 NO SCALE



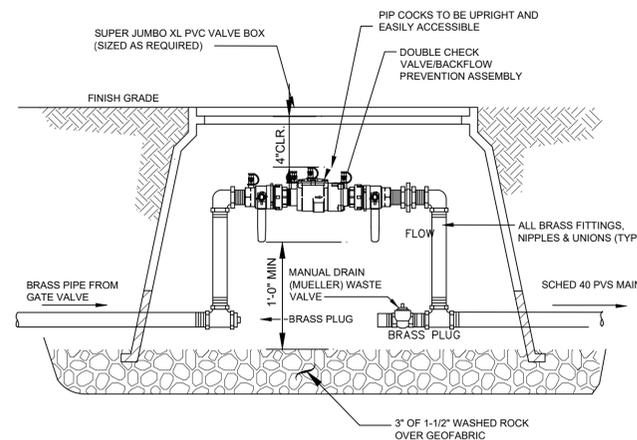
5 TYPICAL POPUP SPRINKLER
IR-2 NO SCALE



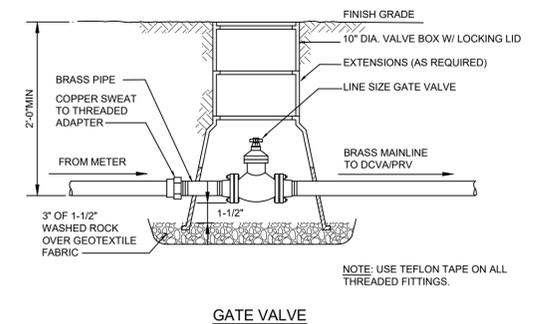
6 CONTROLLER - WALL MOUNT
IR-2 NO SCALE



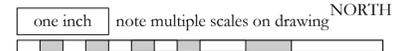
7 TYPICAL POINT OF CONNECTION
IR-2 NO SCALE



8 DOUBLE CHECK VALVE
IR-2 NO SCALE



9 GATE VALVE
IR-2 NO SCALE



NO.	DATE	REVISION	BY	REV.
1	8.16.21	permit set	pd	pd
2	3.16.22	bid set	pd	pd

prepared for:
Skagit County Parks and Recreation
Continental Way
Mount Vernon, WA 98083
contact: Brian Adams

prepared by:
eccosDesign
Landscape Architecture and Planning
Mount Vernon, WA 98273
p. 360.419.7400
www.eccosdesign.com

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PATRIK BYLAN
CERTIFICATE NO. 793

Northern State Recreation Area
Sedro-Woolley, WA

SCALES:
HORIZONTAL :
VERTICAL : N/A
DESIGNED: PD
DRAWN: PD
CHECKED: PD

IRRIGATION DETAILS
BID SET

ISSUE DATE: 3.16.22
DRAWING: 1301 SCVP
JOB NO.: 1301vp
SHEET: IR-2



K ENGINEERS INC.
 208 Third Street
 Lynden, WA, 98264
 Bus. (360) 354-4757
 FAX (360) 354-6794

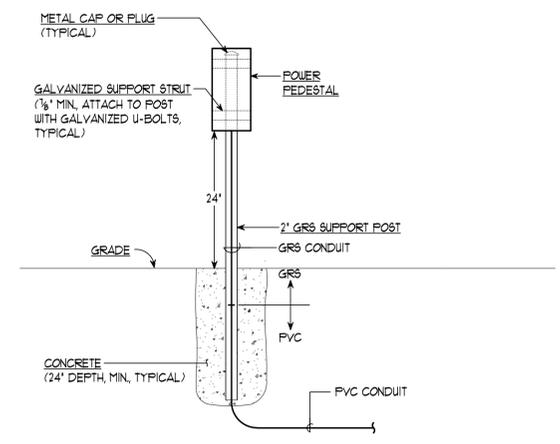
**SKAGIT COUNTY PARKS & REC.
 NORTHERN STATE REC. AREA
 VETERAN MEMORIAL WALL**

**ELECTRICAL -
 SITE PLAN**

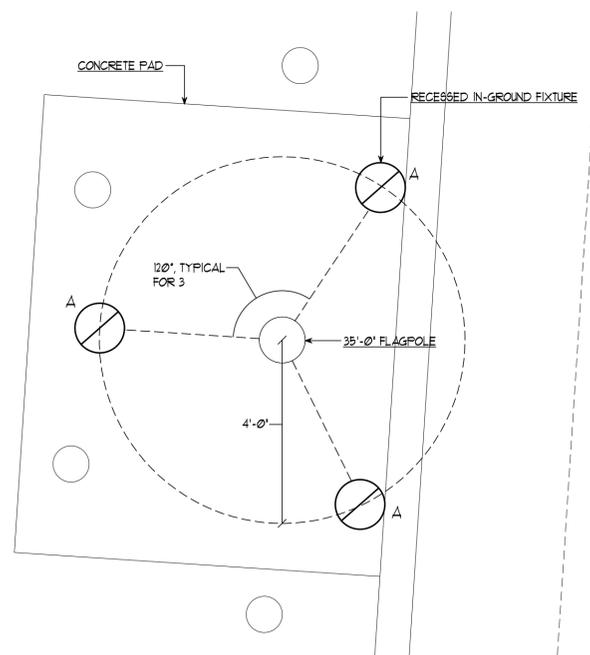
DATE: MARCH 16, 2022
 SCALE: AS NOTED
 DRAWN: KL
 DESIGNED: STV
 JOB NO: 2181
 SHEET
E-1
 OF X SHEETS

LEGEND

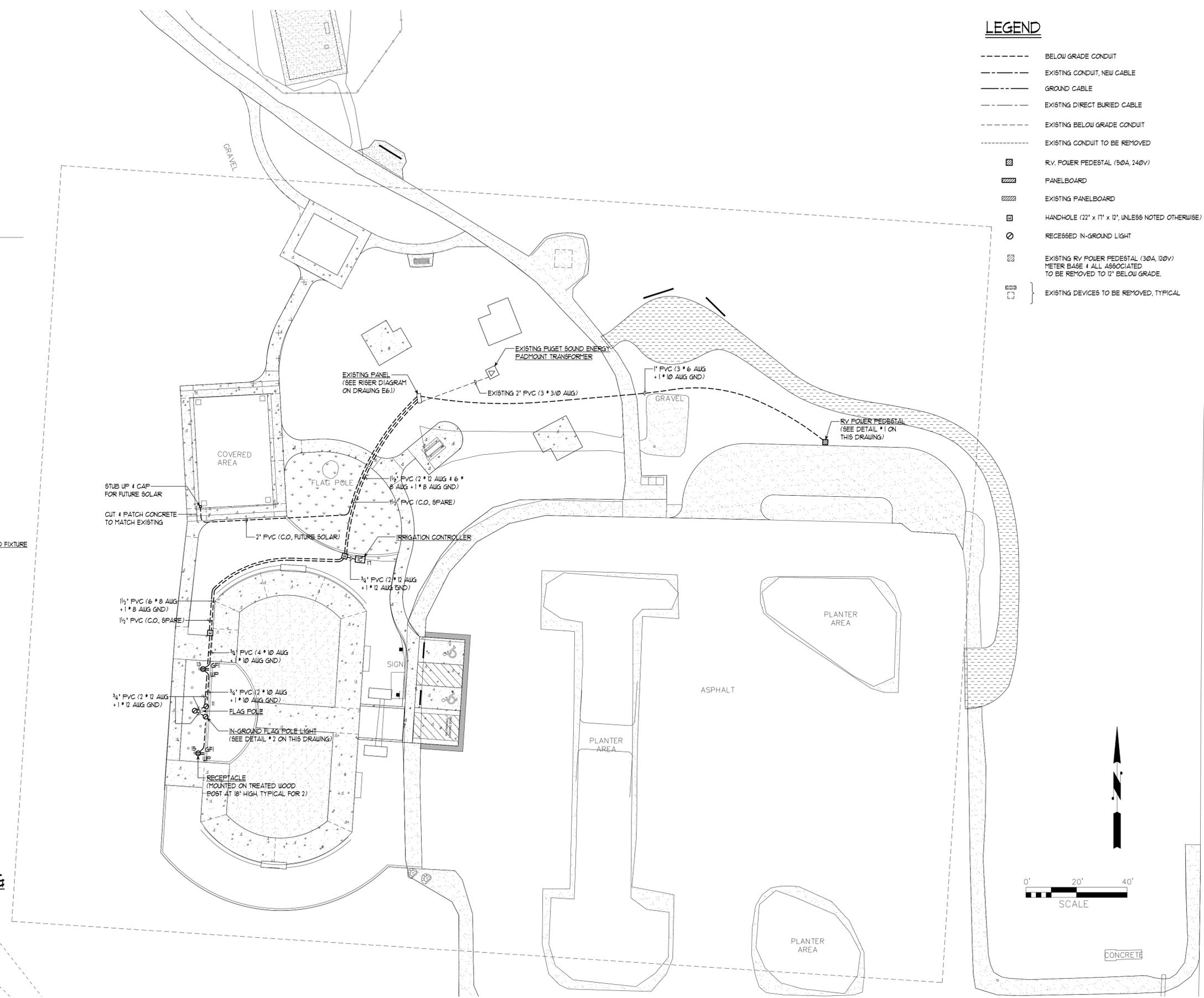
- BELOW GRADE CONDUIT
- EXISTING CONDUIT, NEW CABLE
- GROUND CABLE
- EXISTING DIRECT BURIED CABLE
- EXISTING BELOW GRADE CONDUIT
- EXISTING CONDUIT TO BE REMOVED
- ▣ R.V. POWER PEDESTAL (30A, 240V)
- ▣ PANELBOARD
- ▣ EXISTING PANELBOARD
- ▣ HANDHOLE (22" x 11" x 12", UNLESS NOTED OTHERWISE)
- ⊙ RECESSED IN-GROUND LIGHT
- ▣ EXISTING R.V. POWER PEDESTAL (30A, 120V) METER BASE & ALL ASSOCIATED TO BE REMOVED TO 12" BELOW GRADE.
- ▣ EXISTING DEVICES TO BE REMOVED, TYPICAL



DETAIL # 1 - RV POWER PEDESTAL
 SCALE: 3/4" = 1'-0"



DETAIL # 2 - FLAG POLE LIGHTING
 SCALE: 1/2" = 1'-0"



ELECTRICAL - SITE PLAN
 SCALE: 1" = 20'-0"

SPECIFICATIONS:

1. THE GENERAL, SUPPLEMENTARY AND OTHER CONDITIONS OF THE CONTRACT, MODIFICATIONS TO THE GENERAL CONDITIONS, THE DRAWINGS, AND THE APPLICABLE PROVISIONS OF THE OTHER DIVISIONS ARE HEREBY MADE A PART OF THIS DIVISION AND ALL ITS SECTIONS.
2. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL ELECTRICAL WORK.
3. COORDINATE ELECTRICAL WORK WITH RELATED WORK SHOWN AND SPECIFIED ELSEWHERE.
4. WORK INCLUDED: THE CONTRACTOR SHALL PERFORM ALL THE WORK REQUIRED (INCLUDING THE FURNISHING OF ALL SUPERVISION, LABOR, SERVICES, TOOLS, MATERIALS AND EQUIPMENT AND THE PERFORMANCE OF ALL OPERATIONS AND INCIDENTALS NECESSARY FOR A COMPLETE, SAFE AND RELIABLE ELECTRICAL INSTALLATION ADJUSTED, TESTED AND READY FOR OPERATION. THE ELECTRICAL WORK (NEW AND MODIFICATION OF EXISTING) IS GENERALLY DESCRIBED AS FOLLOWS.
 - A. POWER DISTRIBUTION SYSTEM INCLUDING RV PEDESTAL, FEEDERS, CIRCUIT BREAKERS, ETC.
 - B. GROUNDING
 - C. WIRING DEVICES AND SPECIAL PURPOSE RECEPTACLES.
 - D. LIGHTING FIXTURES AND CONTROLS.
 - E. BRANCH CIRCUIT WIRING SYSTEM FOR LIGHTING, OUTLETS, EQUIPMENT, ETC.
 - F. SUPPORTS.
 - G. PULL STRINGS AND ROPES
 - H. TRENCHING AND BACKFILLING FOR UNDERGROUND ELECTRICAL WORK.
 - I. MOISTURE, FIRE AND DUST STOPPING AND SEALING
 - J. TEMPORARY CONSTRUCTION POWER AND LIGHTING.
 - K. TESTING AND COMPLETING
 - L. OBTAINING AND PAYING FOR ALL REQUIRED LICENSES, PERMITS, INSPECTIONS AND FEES.
5. EXISTING CONDITIONS: BEFORE SUBMITTING BID, EXAMINE EXISTING SITE AND EQUIPMENT CONDITIONS TO DETERMINE EFFECT ON EXECUTION OF THE ELECTRICAL WORK AND INCLUDE COSTS IN BID.
6. THE CONTRACTOR SHALL COORDINATE THE WORK AND COOPERATE WITH THE OWNER, OTHER TRADES, AND SYSTEM CONTRACTORS TO HAVE THE WORK COMPLETED TO THE BEST ADVANTAGE, INSURE THERE ARE NO INTERFERENCES, PROVIDE REASONABLE OPPORTUNITY FOR THE OTHER TRADES AND CONTRACTORS TO COMPLETE THEIR WORK AND TO NOT DELAY THE WORK.
7. WORK UNDER THIS PROJECT WILL BE UNDERTAKEN WITH THE FACILITY IN FULL OPERATION.
8. CONTRACTOR SHALL COORDINATE WORK TO AVOID DISTURBANCE TO FACILITY OPERATIONS AND PERSONNEL, AND TO ALLOW ACCESS FOR BOTH PERSON TO AND WITHIN ALL PORTIONS OF THE FACILITY AND VEHICLES TO THE FACILITY. ACCESS TO PICNIC SHELTER, BATHROOMS, ETC. WILL NOT BE ALLOWED WHEN THEY ARE OCCUPIED ANY AND ALL COSTS FOR NON-STANDARD HOURS, DOUBLE SHIFTS, OVERTIME, ETC. OR ANY OTHER COSTS ASSOCIATED WITH COMPLETING THE PROJECT WITHIN THE COMPLETION TIMES REQUIRED SHALL BE INCLUDED WITHOUT INCREASE IN CONTRACT SUM.
9. THE COMPLETED INSTALLATION SHALL BE DONE IN A NEAT & WORKMANLIKE MANNER, SHALL BE SUITABLE FOR THE LOCATION, AND SHALL BE IN ACCORDANCE ALL LAWS, RULES & REGULATIONS IN EFFECT AT THE SITE (INCLUDING THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), THE WASHINGTON STATE ELECTRICAL SAFETY STANDARDS, ADMINISTRATION AND INSTALLATION CODE (WAC 296-46B)
10. ALL SYSTEMS, EQUIPMENT, DEVICES, RACEWAYS, CABLES, ETC. INDICATED ARE NEW UNLESS NOTED OTHERWISE.
11. ALL ELECTRICAL MATERIALS SHALL BE "UL" (UNDERWRITER'S LABORATORIES, INC.) LISTED, LABELED AND APPROVED FOR THE SERVICE INTENDED WHERE UL STANDARDS HAVE BEEN ESTABLISHED.
12. ALL OPERATIONS SHALL BE CONDUCTED IN A MANNER TO AVOID THE RISK OF HARM TO PERSONS OR DAMAGE TO PROPERTY. DAMAGE SHALL IMMEDIATELY BE REPAIRED. CONSTRUCTION EQUIPMENT & TOOLS SHALL BE IN GOOD OPERATING CONDITION, AND BE DESIGNED FOR THE WORK REQUIRED. VERIFY WITH STRUCTURAL ENGINEER ACCEPTABLE LOCATIONS FOR CORE DRILLING FLOORS, WALLS, ETC. FOR CONDUIT ROUTING.
13. POWER INTERRUPTIONS (WHETHER TO THE ENTIRE SYSTEM OR TO INDIVIDUAL BUILDINGS, PANELS, EQUIPMENT, DEVICES, ETC.) SHALL BE KEPT TO AN ABSOLUTE MINIMUM, AND SHALL NOT BE DONE WITHOUT PRIOR APPROVAL, 2 WEEKS ADVANCED SCHEDULING & COORDINATION MEETING WITH THE OWNER. SECONDARY VERIFICATION THAT POWER INTERRUPTION WILL OCCUR IS ALSO REQUIRED 48 HOURS PRIOR TO THE DATE OF OCCURRENCE.
14. CABLE, BOXES, ETC. SHALL BE STORED OFF THE GROUND, PROTECTED FROM THE WEATHER IN RACKS OR BINS, OR ON SHELVES. EQUIPMENT, WIRING DEVICES, CIRCUIT BREAKERS, ETC. SHALL BE STORED INDOORS IN A DRY, WARM AREA; FREE OF DUST & ONE IN WHICH CONDENSATION WILL NOT OCCUR.
15. EQUIPMENT, BOXES, ETC. SHALL BE INSTALLED PLUMB & TRUE, AND BE FIRMLY SUPPORTED EITHER DIRECTLY OR INDIRECTLY BY A SOUND & SAFE STRUCTURAL MEMBER.
16. ROUTING OF EXISTING CONDUITS INDICATED IS APPROXIMATE ONLY.
17. VERIFY ALL EQUIPMENT, DEVICE, ETC. LOCATIONS WITH THE OWNER PRIOR TO ROUGH-IN.
18. DEFINITIONS
 - A. THE TERM "CONTRACTOR" USED THROUGHOUT THESE SPECIFICATIONS AND ON THE ELECTRICAL DRAWINGS SHALL BE UNDERSTOOD TO MEAN THE ELECTRICAL CONTRACTOR. ALL OTHER WORK SHALL BE CALLED OUT BY NAME.
 - B. "FURNISH" MEANS TO SUPPLY AND DELIVER TO THE PROJECT, READY FOR INSTALLATION AND IN OPERABLE CONDITION.
 - C. "INSTALL" MEANS TO INCORPORATE IN THE WORK FINAL POSITION, COMPLETE, ANCHORED, CONNECTED, AND IN OPERABLE CONDITION.
 - D. "PROVIDE" MEANS FURNISH AND INSTALL
 - E. F.O.I.C. - FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR.
19. SUBMITTALS
 - A. PROVIDE SUBMITTALS TO THE ENGINEER, TOGETHER, AT ONE TIME, SEPARATED AND INDEXED FOR EACH SPECIFICATION SECTION. INDIVIDUAL OR INCOMPLETE SUBMITTALS ARE NOT ACCEPTABLE.
 - B. THE ENGINEER WILL REVIEW EACH SUBMITTAL, INDICATE ACTION TO BE TAKEN, AND RETURN. THE CONTRACTOR SHALL ALLOW FOR 1 1/2 WEEKS FOR ENGINEER REVIEW MINIMUM. COMPLIANCE WITH SPECIFIED CHARACTERISTICS IS THE CONTRACTOR'S RESPONSIBILITY. APPROVAL OF SUBMITTALS DOES NOT RELEASE THE CONTRACTOR FROM A PROPER INSTALLATION, COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS, CODES, STANDARDS, SITE CONSTRAINTS, ETC. OR COORDINATION OF THE WORK.
 - C. PROVIDE SUBMITTALS FOR THE FOLLOWING:
 1. RV PEDESTAL
 2. LIGHTING FIXTURES & LIGHTING CONTROLS

20. WIRING METHODS
 - A. SERVICE - PVC CONDUIT BELOW GRADE (WITH GRS CONDUIT RISERS AND ELBOWS) AND GRS CONDUIT ABOVE GRADE.
 - B. FEEDERS - PVC CONDUIT BELOW GRADE (WITH GRS CONDUIT RISERS AND ELBOWS) AND EMT ABOVE GRADE.
 - C. BRANCH CIRCUITS - PVC CONDUIT BELOW GRADE (WITH GRS CONDUIT RISERS AND ELBOWS) AND EMT ABOVE GRADE.
21. EARTHWORK
 - A. THE CONTRACTOR SHALL DO ALL TRENCHING, BACKFILLING, CUTTING, PATCHING, ETC. FOR THE BELOW GRADE ELECTRICAL WORK.
 - B. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER AND ALL UTILITY COMPANIES AND FOR FIELD LOCATION OF ALL UTILITIES PIPES, CONDUITS, ETC. BEFORE DOING ANY TRENCHING. THE ONE-CALL NUMBER FOR UNDERGROUND UTILITIES, SERVICES IS 811. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN THE CONTRACT DOCUMENTS AND FIELD LOCATION OF EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING &/OR REPLACING (AS REQUIRED) ALL THAT HE DAMAGES.
 - C. SHORE AND BRACE EXCAVATIONS WHERE NECESSARY TO PREVENT CAVE-INS AND IN ACCORDANCE WITH ALL SAFETY LAWS AND CODES.
 - D. EXCAVATE TO DEPTHS NOTED. SHORE AND BRACE EXCAVATIONS WHERE NECESSARY TO PREVENT CAVE-INS AND IN ACCORDANCE WITH ALL SAFETY LAWS AND CODES.
 - E. PROVIDE A SPOTTER AT ALL TIMES WHEN EXCAVATION OCCURS BY USE OF BACKHOE, EXCAVATOR OR OTHER MECHANICAL EQUIPMENT.
 - F. DIRT SHALL NOT BE PERMITTED TO ACCUMULATE ON ROADS, ADJACENT PARCELS, RIGHT OF WAYS NOR TO BE WASHED INTO DRAINAGE DITCHES. ANY DAMAGE TO ADJACENT AREAS SHALL BE REPAIRED/RESTORED TO EXISTING OR BETTER CONDITION TO THE APPROVAL OF THE OWNER AND ENGINEER. PROVIDE OFF SITE LOCATION FOR EXCAVATED MATERIALS AS REQUIRED.
 - G. DURING EXCAVATIONS AND BACKFILLING, EXTREME CARE SHALL BE TAKEN TO KEEP ROCKS AND OTHER ROUGH MATERIAL AWAY FROM CONDUITS AND CABLES. PACK A MINIMUM OF 6 INCHES OF SOFT FILL MATERIAL (FREE FROM STONES, ROCKS AND OTHER ROUGH MATERIAL THAT MIGHT BE FORCED AGAINST THE CONDUITS AND CABLES DURING BACKFILLING, OR WHEN SETTLING OR FROST-HEAVING DISTURBS THE SURROUNDING EARTH) AROUND CONDUITS AND CABLES.
 - H. BACKFILL SHALL BE GOOD COMPACTABLE MATERIAL WITHOUT LARGE ROCKS, CHUNKS OR STICKS. BACKFILL IN ALL EXCAVATIONS SHALL BE PROGRESSIVELY COMPACTED IN MAXIMUM 12 INCH LIFTS TO 95% OF MAXIMUM DENSITY, AND SHALL BE WITHOUT VOIDS. WHEN EXCAVATED MATERIAL IS NOT SUITABLE FOR BACKFILL, DISPOSE OF OFF SITE AND PROVIDE SUITABLE BACKFILL MATERIAL.
 - I. THE CLEARANCE BETWEEN THE UNDERGROUND CONDUIT SYSTEMS AND OTHER UNDERGROUND ITEMS, SUCH AS WATER AND SEWER LINES SHALL BE AS LARGE AS NECESSARY TO PERMIT MAINTENANCE OF ANY OF THE SYSTEMS WITHOUT DAMAGE TO THE OTHER ITEMS.
 - J. WARNING TAPE: YELLOW 3" WIDE POLYETHYLENE METALIZED WORKING TAPE SHALL BE INSTALLED 12 INCHES ABOVE TOPMOST CONDUITS. TAPES SHALL EXTEND INTO VAULTS AND BE STUBBED UP WITH AND SECURED TO CONDUITS AS REQUIRED FOR ACCESS WHEN TESTING.
 - K. CHANGES IN LOCATION UP TO 10' (E.G. EQUIPMENT AND DEVICES, TRENCH AND CONDUIT ROUTING, ETC.) MADE BEFORE INSTALLATION AND DEVIATIONS TO AVOID INTERFERENCES SHALL BE MADE WITHOUT INCREASE IN CONTRACT SUM.
22. RACEWAYS
 - A. RACEWAYS AND CABLES THROUGHOUT THE FACILITY SHALL BE RUN CONCEALED IN WHERE POSSIBLE. EXCEPT, WHEN IT IS NOT POSSIBLE TO ROUTE RACEWAYS & CABLES CONCEALED, RACEWAYS MAY BE RUN EXPOSED WHEN APPROVED BY OWNER. EXPOSED RACEWAYS SHALL BE RUN AS NEATLY & UNOBTUSIVELY AS POSSIBLE, SUPPORTED AS REQUIRED, PARALLEL OR AT RIGHT ANGLES TO CEILINGS, WALLS & STRUCTURAL MEMBERS.
 - B. RACEWAYS SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
 1. INTERIOR CONCEALED SPACES - ELECTRICAL METALLIC TUBING (EMT) WITH FLEXIBLE METAL CONDUIT (FLEX) FOR FINAL CONNECTIONS.
 4. EXTERIOR ABOVE GRADE - GALVANIZED RIGID STEEL CONDUIT (GRS).
 5. EXTERIOR BELOW GRADE - POLYVINYL CHLORIDE CONDUIT (PVC), EXCEPT CONDUIT BENDS & RISERS SHALL BE GALVANIZED RIGID STEEL (GRS).
 - C. RACEWAYS SHALL BE SIZED SO THAT THE CABLE FILL DOES NOT EXCEED 40%, EXCEPT, MINIMUM CONDUIT (& EQUIVALENT SURFACE METAL RACEWAY) SIZES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
 1. 3/4" - BRANCH CIRCUITS, EXCEPT AS NOTED BELOW
 2. 1" - BELOW GRADE CIRCUITS
 - D. BELOW GRADE CONDUIT SHALL BE SCHEDULE 40 PVC (EXCEPT RISERS & ELBOWS SHALL BE GRS), DIRECT BURIED MINIMUM OF 24" BELOW GRADE FOR CONDUITS CONTAINING 600V CABLES WITH MINIMUM 2" SPACING BETWEEN CONDUITS. CONDUIT FITTINGS, COUPLINGS, ETC. SHALL BE OF THE SAME TYPE AND MANUFACTURER AS THE CONDUIT. JOINTS IN UNDERGROUND CONDUIT SYSTEM SHALL BE SOLVENT WELDED TO PREVENT THE ENTRANCE OF MOISTURE.
 - E. RIGID STEEL CONDUIT SHALL BE HOT-DIPPED GALVANIZED WITH THREADED COUPLINGS AND CONNECTORS.
 - F. ELECTRICAL METALLIC TUBINGS SHALL BE ELECTRO-GALVANIZED STEEL.
 - G. CONDUIT SHALL BE RUN CONCEALED UNLESS NOTED OR INDICATED OTHERWISE EXCEPT, FINAL RISERS AND DROPS TO EQUIPMENT, SURFACE MOUNTED PANELS, ETC. SHALL BE EXPOSED, AND CONDUIT WITHIN THE MECHANICAL & ELECTRICAL ROOMS, STORAGE AREAS, ETC. MAY BE RUN EXPOSED.
 - H. NO CONDUIT SHALL BEND MORE THAN 90 DEGREES BEFORE THE END OF ITS RUN. BENDS IN CONDUITS SHALL BE MADE WITHOUT FLATTENING, KINKING OR REDUCING THE CROSS-SECTIONAL AREA OF THE CONDUIT. CONDUIT CUTS SHALL BE MADE SQUARE WITH A PROPER CUTTING TOOL. THE INSIDE AND OUTSIDE OF ALL CONDUIT ENDS SHALL BE REAMED TO ELIMINATE BURRS AND ROUGH EDGES, THEN WIPED CLEAN.
 - I. SUITABLE BUSHINGS SHALL BE USED ON ALL CONDUIT TERMINATIONS.
 - J. CONDUIT SYSTEMS SHALL BE COMPLETE, SNAKED AND CLEANED BEFORE PULLING ANY CABLE.

23. RACEWAY FITTINGS
 - A. CONNECTORS, COUPLINGS, ETC. FOR EMT SHALL BE STEEL SET-SCREW TYPE, EXCEPT, STEEL RAINTIGHT COMPRESSION TYPE IN POTENTIALLY WET OR DAMP LOCATIONS.
24. BOXES
 - A. BOXES SHALL ACCOMMODATE ANY DEVICE TO BE INSTALLED AND SHALL BE SIZED AS REQUIRED BY THE APPLICABLE CODES FOR NUMBER AND SIZE OF CONDUITS AND CABLES ENTERING AND LEAVING, EXCEPT MINIMUM AS NOTED BELOW.
 - B. EXTERIOR OUTLET BOXES SHALL HAVE WEATHERPROOF WHILE-IN-USE COVERS, GASKETS, AND ALL NECESSARY MOUNTING ACCESSORIES.
 - C. EXTERIOR AND/OR BOXES INSTALLED IN WET OR DAMP LOCATIONS SHALL BE THREADED RIGID BODY TYPE, CAST ALUMINUM OR GALVANIZED IRON.
 - D. UNLESS NOTED OTHERWISE, LARGER SIZE PULL AND JUNCTION BOXES SHALL BE FABRICATED FROM CODE GAUGE GALVANIZED STEEL.
 - E. SWITCH, OUTLET, DEVICE, ETC. BOXES SHALL BE SINGLE OR GANGED TO ACCOMMODATE THE REQUIRED NUMBER OF DEVICES, EXCEPT, FLUSH MOUNTED BOXES SHALL BE MINIMUM 4 INCHES SQUARE FOR CONDUITS 1 INCH OR LESS AND 4-11/16 INCHES SQUARE FOR LARGER CONDUITS. BOXES CONTAINING A SINGLE DEVICE SHALL BE MINIMUM 1-1/2 INCHES DEEP. BOXES CONTAINING MULTIPLE DEVICES SHALL BE MINIMUM 2-1/8 INCHES DEEP. FLUSH MOUNTED BOXES SHALL BE EQUIPPED WITH PLASTER RINGS AND SUITABLE WALLPLATES. SURFACE MOUNTED BOXES SHALL HAVE RAISED SURFACE TYPE COVERS.
25. HANDHOLES
 - A. HAND HOLES SHALL BE PRECAST CONCRETE, 17" WIDE x 22" LONG x 12" DEEP, OPEN BOTTOM, IN ACCORDANCE WITH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION TYPE J-11A, TYPE 1. COVERS SHALL BE DIAMOND PLATED GALVANIZED STEEL WITH THE LETTERING "STREET LIGHTING" PERMANENTLY INSTALLED.
26. WIRING
 - A. ALL WIRING SHALL BE ENCLOSED WITHIN THE RACEWAY SYSTEM.
 - B. WIRE AND CABLE SIZES INDICATED AND/OR SPECIFIED ARE MINIMUMS ONLY AND SHALL BE INCREASED AS REQUIRED DUE TO NEC, SYSTEM, LOAD, VOLTAGE DROP, ETC. REQUIREMENTS.
 - C. FEEDER, BRANCH CIRCUIT & EQUIPMENT GROUND CABLES SHALL BE 1/2 COPPER, STRANDED, #12 AWG UNLESS NOTED OTHERWISE, WITH 600V TYPE XHHW INSULATION.
 - D. BRANCH CIRCUIT & EQUIPMENT GROUND CABLES WITHIN A CONDUIT SYSTEM SHALL BE 1/2 COPPER STRANDED, #12 AWG (UNLESS NOTED OTHERWISE), WITH 600V TYPE XHHW INSULATION.
 - E. BEFORE SPLICES AND CONNECTIONS ARE MADE, CONTACT SURFACES SHALL BE THOROUGHLY CLEANED. CONNECTIONS SHALL BE BOTH MECHANICALLY & ELECTRICALLY SECURE. TAKE CARE NOT TO NICK CONDUCTORS DURING INSULATION REMOVAL.
 - F. WIRE AND CABLE SHALL NOT BE EXPOSED TO WEATHER OR MECHANICAL DAMAGE LONGER THAN NECESSARY. CUT ENDS OF CABLE SHALL IMMEDIATELY BE SEALED.
 - G. CABLE SHALL BE UNROLLED FROM REELS, OR REMOVED FROM CARTONS, AND INSTALLED IN A MANNER WHICH WILL PREVENT KINKING, CRUSHING OR EXCESSIVE TENSION ON CONDUCTORS AND INSULATION. CABLE PULLING LUBRICANTS OF A TYPE HAVING NO DAMAGING EFFECT ON THE INSULATION, SHALL BE USED TO MINIMIZE PULLING STRESSES ON THE CABLE.
 - H. CABLE SHALL BE INSTALLED OR DRAWN INTO THE CONDUIT SYSTEM ONLY AFTER ALL WORK OF ANY NATURE THAT COULD CAUSE INJURY TO THE CABLE IS COMPLETED. THE CONDUIT SYSTEM SHALL BE COMPLETE, SNAKED AND CLEANED BEFORE PULLING ANY CABLE.
27. GROUNDING:
 - A. ALL ELECTRICAL EQUIPMENT, BOXES, DEVICES, SHALL BE PROVIDED WITH A GROUND FAULT RETURN PATH BY MEANS OF THE INTEGRITY OF THE METALLIC CONDUIT SYSTEM (WHERE APPLICABLE) & AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH THE CIRCUIT CONDUCTORS. CONDUIT SHALL BE CLOSELY & TIGHTLY FITTED IN COUPLINGS, CONNECTORS, ETC. AND BE PROPERLY BONDED TO PROVIDE AN ELECTRICALLY CONTINUOUS LOW RESISTANT GROUND PATH. CONTINUITY TESTS SHALL BE MADE TO VERIFY THE CONTINUITY OF THE GROUNDING SYSTEM & ALL GROUND FAULT RETURN PATHS.
 - B. EQUIPMENT GROUND CABLES SHALL BE 1/2 COPPER, WITH 600V TYPE XHHW OR THHN/THWN INSULATION.
 - C. GROUND CLAMPS, NUTS, WASHERS, ETC. SHALL BE CORROSION RESISTANT HIGH COPPER ALLOY OR SILICON BRONZE.
28. CIRCUIT BREAKERS (FOR USE IN EXISTING SWITCHBOARDS AND PANELBOARDS)
 - A. CIRCUIT BREAKERS SHALL BE MOLDED-CASE, THERMAL MAGNETIC, QUICK MAKE-QUICK BREAK TYPE WITH TRIP INDICATING HANDLES. BRANCH CIRCUIT BREAKERS FOR MOTOR LOADS SHALL BE HACR TYPE. CIRCUIT BREAKERS SHALL BE PROVIDED WITH HANDLE LOCKING DEVICES. MULTI-POLE BREAKERS SHALL BE SINGLE-HANDLE, COMMON TRIP. TANDEM BREAKERS (PIGGYBACK) SHALL NOT BE USED.
 - B. CIRCUIT BREAKERS SHALL BE SERIES SHORT CIRCUIT RATED WITH UPSTREAM BREAKER OR FULLY RATED TO MATCH EXISTING SWITCHBOARD OR PANELBOARD.
 - C. THE SWITCHBOARD OR PANELBOARD CIRCUIT BREAKER SHALL BE IDENTIFIED WITH LAMINATED PLASTIC NAMEPLATES, BLACK FACE, WHITE CORE, ENGRAVED WITH MINIMUM 1/4 INCH LETTERS, DESCRIBING ITS IDENTIFICATION AND FUNCTION.
29. RV POWER PEDESTALS
 - A. POWER PEDESTALS SHALL BE POST MOUNTED TYPE WITHOUT METER BASE, 120/240 VOLT, MINIMUM 60 AMP, FACTORY ASSEMBLED AND WIRED, INDIVIDUAL FEED, BOTTOM ENTRY. ENCLOSURES SHALL BE NEMA 3R, DEAD FRONT, PADLOCKABLE DOOR WITH ROLLED EDGES FOR CORD PROTECTION. GALVANIZED STEEL WITH ELECTROSTATIC POWDER COAT FINISH.
 - B. CONTRACTOR SHALL PROVIDE GRS SUPPORT POST FOR PEDESTAL MOUNTING AS NOTED.

- C. EACH PEDESTAL SHALL BE EQUIPPED WITH RECEPTACLES AND CIRCUIT BREAKERS AS FOLLOWS:
 1. 1 AT 120/240 VOLT, 50 AMP, 3 POLE, 4 WIRE, GROUNDING TYPE STRAIGHT BLADE RECEPTACLE, 14-50R (PROTECTED BY A 50 AMP, 2 POLE CIRCUIT BREAKER);
 2. 1 AT 120 VOLT, 20 AMP, 1 POLE, 3 WIRE, GFCI, GROUNDING TYPE STRAIGHT BLADE DUPLEX RECEPTACLE 5-20R20FCI (PROTECTED BY A 20 AMP, 1 POLE, CIRCUIT BREAKER)
 3. CIRCUIT BREAKERS SHALL BE MOLDED-CASE, THERMAL MAGNETIC, QUICK MAKE-QUICK BREAK TYPE WITH TRIP INDICATING HANDLES, RATED 10K AIC MINIMUM. MULTI-POLE BREAKERS SHALL BE SINGLE-HANDLE, COMMON TRIP, TANDEM (PIGGYBACK) BREAKERS SHALL NOT BE USED.
 4. FEEDER LUGS SHALL BE SUITABLE FOR COPPER OR ALUMINUM WIRE, #8 AWG THROUGH #2 AWG. GROUND AND NEUTRAL BARS SHALL BE PROVIDED WITH LUGS AS REQUIRED INCLUDING SPACES FOR FUTURE CIRCUITS), SUITABLE FOR COPPER OR ALUMINUM WIRE.
- D. POWER PEDESTALS SHALL BE MANUFACTURED BY MIDWEST ELECTRICAL PRODUCTS, INC. TYPE U6550033, OR APPROVED EQUAL.
30. WIRING DEVICES
 - A. WIRING DEVICES SHALL BE SPECIFICATION GRADE, WHITE COLOR.
 - B. GROUND FAULT INTERRUPTER (GFI) TYPE RECEPTACLES SHALL BE DUPLEX, CLASS A, 15 AMP, 125 VOLT.
 - C. WEATHER-PROOF DEVICES (RECEPTACLES, SWITCHES, ETC.) SHALL BE EQUIPPED WITH HIGH IMPACT METAL COVERS. COVERS SHALL MAINTAIN A WEATHERPROOF RATING WHETHER OR NOT AN ATTACHMENT PLUG IS INSERTED. INTERMATIC WP1010MC OR EQUAL.
 - D. ALL OUTLETS SHALL BE LABELED WITH THE PANEL AND CIRCUIT NUMBER(S) FROM WHICH THE DEVICE IS FED. LABELS SHALL BE HEAVY DUTY ADHESIVE TYPE, CLEAR WITH BLACK LETTERS ON LIGHT COLORED DEVICES AND CLEAR WITH WHITE LETTERS ON DARK COLORED DEVICES. LETTERING SHALL BE 1/4" MINIMUM. SELF-ADHESIVE CIRCUIT NUMBERS, MASKING TAPE, PLASTIC PUNCH TYPE "DYMCO" LABELS, ETC. ARE NOT ACCEPTABLE.
31. LIGHTING
 - A. THE LIGHTING SYSTEMS AND ALL CONTROLS SHALL BE IN ACCORDANCE WITH THE WASHINGTON STATE NON-RESIDENTIAL ENERGY CODE (NREC), ASHRAE 90.1 AS WELL AS APPLICABLE LEED CERTIFICATION REQUIREMENTS.
 - B. LIGHT EMITTING DIODE (LED) LUMINAIRES SHALL HAVE A LUMINOUS EFFICIENCY OF AT LEAST 90 LUMENS/W, AN ESTIMATED LIFE OF AT LEAST 50,000 HOURS AT 70% LUMEN MAINTENANCE, AND SHALL INCLUDE A MINIMUM 5-YEAR WARRANTY ON THE ENTIRE LUMINAIRE INCLUDING THE DRIVER. THE LUMINAIRE AND LEDS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH LM-79 AND LM-80.
 - C. ANCHOR BOLTS SHALL BE L-TYPE, OF THE SIZE AS RECOMMENDED BY THE POLE MANUFACTURER. ANCHOR BOLTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
 - D. FIXTURES, LUMINAIRES, POLES, ETC. SHALL INCLUDE ALL NECESSARY MOUNTING AND CONNECTING ACCESSORIES.
 - E. CONTRACTOR & LIGHTING FIXTURE SUPPLIER SHALL VERIFY DESCRIPTION & CATALOG NUMBERS IN LIGHTING FIXTURE SCHEDULE ON THE DRAWINGS MATCH AND MOUNTING REQUIREMENTS ARE CORRECT. ADVISE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
32. LIGHTING CONTROLS
 - A. PHOTO ELECTRIC CONTROLS SHALL BE MINIMUM 1500 WATT WITH ADJUSTABLE ON/OFF RANGE. LOCATE/SHIELD AS REQUIRED.

REVISIONS	BY



K ENGINEERS INC.
 208 Third Street
 Lynden, WA, 98264
 Phone: (360) 354-4757
 Fax: (360) 354-6794

SKAGIT COUNTY PARKS & REC.
NORTHERN STATE REC. AREA
 VETERAN MEMORIAL WALL

ELECTRICAL - SPECIFICATIONS
DATE: MARCH 16, 2022
SCALE: NONE
DRAWN: KL
DESIGNED: STV
JOB NO: 2181
SHEET F-3
OF X SHEETS