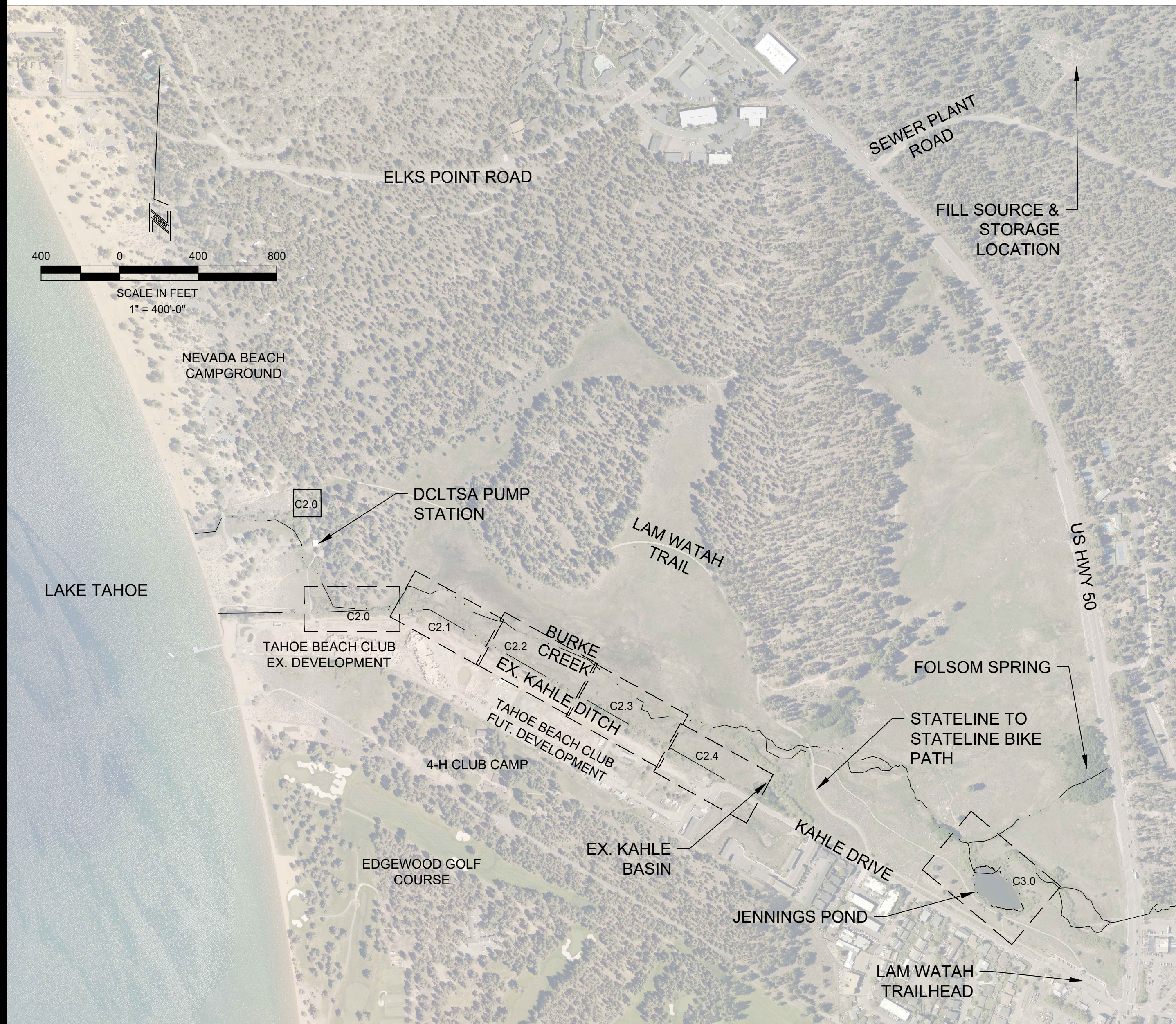
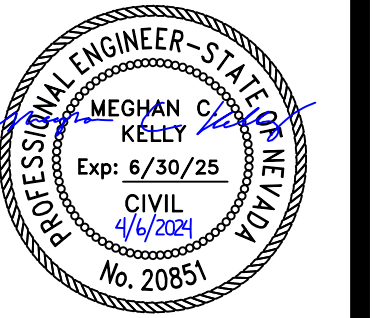
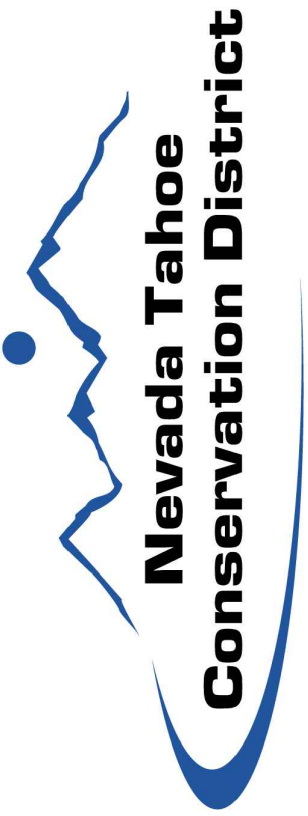


UNITED STATES DEPARTMENT OF AGRICULTURE
 FOREST SERVICE
 REGION FIVE
 LAKE TAHOE BASIN MANAGEMENT UNIT

BURKE CREEK-RABE MEADOW RIPARIAN RESTORATION PROJECT
BURKE CREEK & KAHLE DITCH SEZ RESTORATION
 IN THE COUNTY OF DOUGLAS

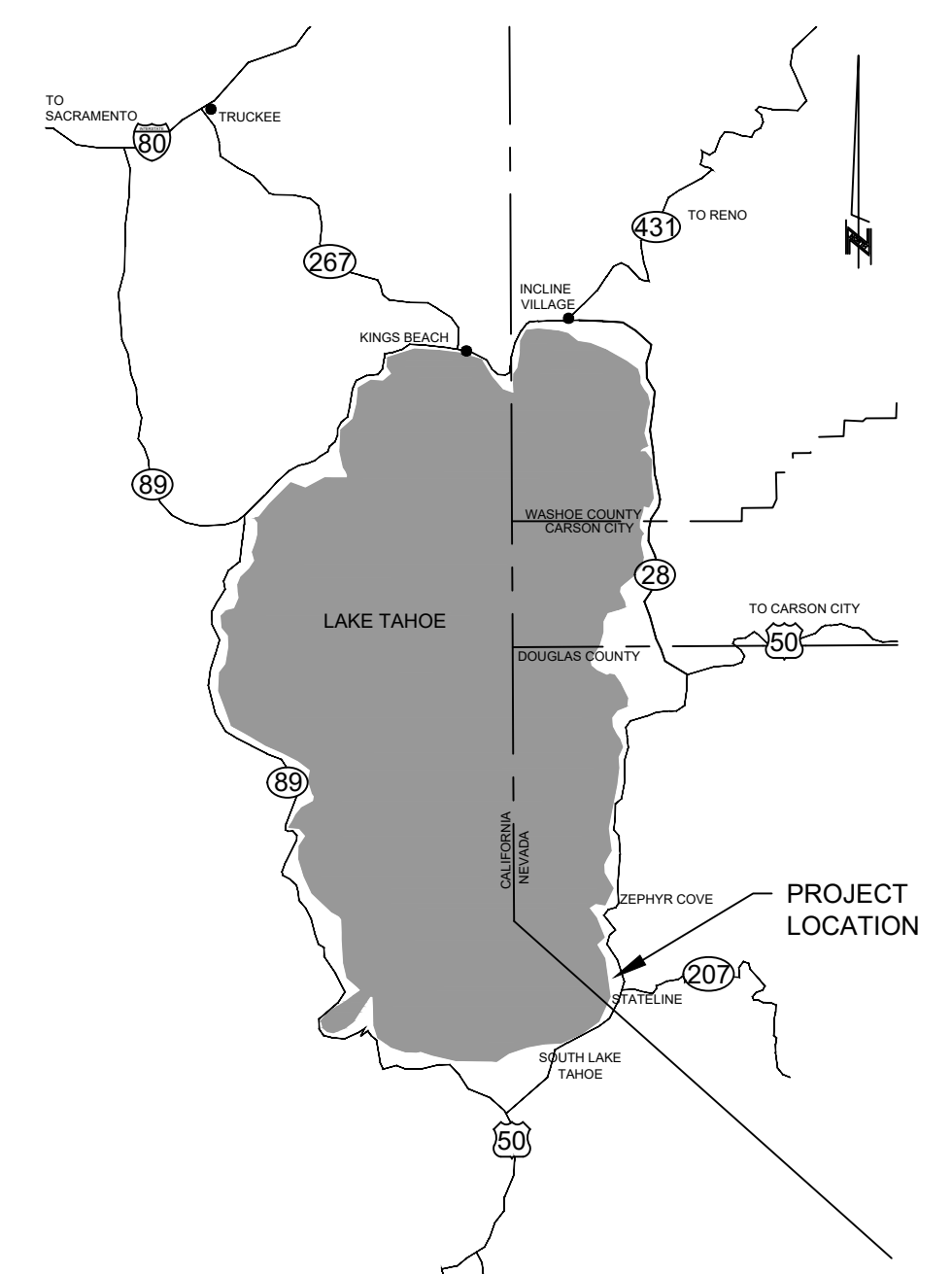


SHEET LOCATOR MAP

SCALE: 1" = 400'



VICINITY MAP



REGIONAL MAP

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TITLE SHEET
 BURKE CREEK RABE MEADOW RESTORATION



ENGINEER:

Meghan C. Kelly

MEGHAN C. KELLY, P.E.
 REGISTERED CIVIL ENGINEER
 STATE OF NEVADA, NO. 20851
 NEVADA TAHOE CONSERVATION DISTRICT
 400 DORLA CT.
 ZEPHYR COVE, NV 89448
 (775) 586-1610

4/6/2024

DATE

BID SET
 NOT FOR CONSTRUCTION

DESIGNED/DRAWN
 PJ
 CHECKED BY
 MK
 DATE
 3/25/2024
 SCALE
 AS SHOWN
 PROJECT
 BCMRPP - BID
 SHEET

i
 1 OF 23

GENERAL NOTES

1. ALL IMPROVEMENTS SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF NEVADA TAHOE CONSERVATION DISTRICT (NTCD) & THE UNITED STATES FOREST SERVICE (USFS) LAKE TAHOE BASIN MANAGEMENT UNIT (LTBMU). IMPROVEMENT CONSTRUCTION SHALL COMPLY WITH THESE PLANS, THE TECHNICAL PROVISIONS, AND THE 2014 FEDERAL PROJECTS FOR THE CONSTRUCTION OF ROADS AND BRIDGES ("STANDARD SPECIFICATIONS"). THE CONTRACTOR IS OBLIGATED TO BE FAMILIAR WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS NOT DISCUSSED IN THE GENERAL NOTES. THE CONTRACT SPECIAL TECHNICAL PROVISIONS SHALL SUPERSEDE THOSE OF THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR.
2. CONTRACTOR SHALL MAINTAIN A SET OF PLANS ON SITE SHOWING "AS CONSTRUCTED" CHANGES. UPON COMPLETION, CONTRACTOR SHALL SUPPLY USFS AND NTCD A SET OF "AS BUILT" PLANS.
3. ANY MOBILIZATION AND STAGING AREAS NOT SHOWN ON PLANS ARE TO BE SECURED BY THE CONTRACTOR AND APPROVED BY TRPA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF MOBILIZATION AND STAGING SITES, INCLUDING PLACEMENT AND MAINTENANCE OF BMPs AND REPAIR OF ANY DAMAGED PAVED SURFACES.
4. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL INSTALL TEMPORARY BMP MEASURES AT LOCATIONS WHERE NEEDED TO CONTROL EROSION AND WATER POLLUTION DURING THE CONSTRUCTION OF THE PROJECT. THE BMP MEASURES SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED IN A FUNCTIONAL CONDITION FOR THE DURATION OF THE CONSTRUCTION. SILT FENCE IS REQUIRED AT ALL CROSS DRAIN OUTLETS. SILT FENCE OR FIBER ROLLS WILL BE REQUIRED AT OTHER LOCATIONS AS SHOWN ON THE DRAWINGS OR STAKED IN THE FIELD BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL MEET OR EXCEED THE REQUIREMENTS IN THE RPMS.
5. ALL EXISTING VEGETATION SHALL BE PRESERVED UNLESS SPECIFICALLY IDENTIFIED BY THE ENGINEER FOR REMOVAL. BMPs TO PROTECT VEGETATION SHALL BE INSTALLED BY THE CONTRACTOR. CONTRACTOR TO REVEGETATE ANY AREAS OUTSIDE THE DISTURBED AREA SHOWN ON THE PLANS WITH PLANTS APPROVED BY USFS AT THEIR OWN EXPENSE.
6. NTCD WILL PROVIDE ONE SET OF CONSTRUCTION STAKES AS PART OF THE CONTRACT. ADDITIONAL CONSTRUCTION STAKES WILL BE PROVIDED AT THE CONTRACTOR'S EXPENSE. LIMITS FOR ALL ITEMS OF WORK SHALL BE STAKED IN THE FIELD BY THE ENGINEER. THESE LIMITS AND THE RESULTING TREATMENT LENGTH/AREAS MAY VARY FROM THOSE SHOWN ON THE DRAWINGS. PAYMENT FOR ITEMS OF WORK WILL BE MADE FOR THE AMOUNT AUTHORIZED BY THESE FIELD STAKED LIMITS AND THE SPECIAL TECHNICAL PROVISIONS.
7. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. WHERE EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AND ALL AFFECTED UTILITY COMPANIES TO LOCATE ALL BURIED UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF UTILITIES AS REQUIRED BY THE WORK. WHENEVER CONNECTIONS TO OR CLEARANCE FROM ANY UTILITY IS REQUIRED, THE CONTRACTOR SHALL POT HOLE TO VERIFY THE LOCATION, SIZE AND MATERIAL OF THE UTILITY PRIOR TO CONSTRUCTION.
8. THE COST OF REMOVAL AND/OR REPLACEMENT OF ANY DEFECTIVE WORK OR MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF RETESTING AND/OR INSPECTING OF REPLACED WORK AND MATERIAL IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR. SUCH COSTS WILL BE DEDUCTED FROM ANY MONEYS DUE OR WHICH MAY BECOME DUE TO THE CONTRACTOR.
9. STANDARD WORK DAYS SHALL BE MONDAY THROUGH FRIDAY. SATURDAY AND SUNDAY MAY BE WORKED ON OCCASION ONLY TO MAKE UP FOR WEATHER DELAYS OR OTHER SCHEDULE DELAYS. NOISE GENERATING ACTIVITIES WILL BE LIMITED TO THE HOURS OF 8:00 AM TO 6:30 PM.
10. NOISE SHALL BE REDUCED BY THE MANDATORY USE OF MUFFLERS ON ALL CONSTRUCTION VEHICLES AND EQUIPMENT. NOISE GENERATING ACTIVITIES WILL BE LIMITED TO THE HOURS OF 8:00 AM TO 6:30 PM.
11. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK TO WATER AREAS AS NECESSARY TO CONTROL DUST. THE CONTRACTOR WILL PROVIDE SWEEPING OF PAVED SURFACES AT THE END OF EACH DAY. THE CONTRACTOR IS RESPONSIBLE FOR SECURING CONSTRUCTION WATER.
12. SOIL AND CONSTRUCTION MATERIAL SHALL NOT BE TRACKED OFF THE CONSTRUCTION SITE. GRADING OPERATIONS SHALL CEASE IN THE EVENT THAT A DANGER OF VIOLATING THIS CONDITION EXISTS.
13. DURING CONSTRUCTION ENVIRONMENTAL PROTECTION DEVICES, SUCH AS EROSION CONTROL, DUST CONTROL, AND VEGETATION PROTECTION DEVICES SHALL BE MAINTAINED AT ALL TIMES.
14. LOOSE SOIL MOUNDS OR SURFACES SHALL BE PROTECTED FROM WIND OR WATER EROSION BY BEING APPROPRIATELY COVERED WHEN CONSTRUCTION IS NOT IN ACTIVE PROGRESS OR WHEN REQUIRED BY USFS OR ENGINEER.
15. EXCAVATED MATERIAL SHALL BE STORED UPGRADIENT FROM THE EXCAVATED AREA WHENEVER POSSIBLE. NO MATERIAL SHALL BE STORED IN ANY STREAM ENVIRONMENT ZONE (SEZ) OR WET AREA.
16. ONLY EQUIPMENT OF A SIZE AND TYPE THAT WILL DO THE LEAST AMOUNT OF DAMAGE, UNDER PREVAILING SITE CONDITIONS, AND CONSIDERING THE NATURE OF THE WORK TO BE PERFORMED, WILL BE USED. ONLY RUBBER TRACKED EQUIPMENT SHALL BE USED ON UNPAVED SURFACES.
17. NO WASHING OF VEHICLES OR HEAVY EQUIPMENT, INCLUDING CEMENT MIXERS, SHALL BE PERMITTED ANYWHERE ON THE SUBJECT PROPERTY UNLESS AUTHORIZED BY TRPA IN WRITING.
18. ALL CONSTRUCTION SHALL BE WINTERIZED BY OCTOBER 15 TO REDUCE THE WATER QUALITY IMPACTS ASSOCIATED WITH WINTER WEATHER.
19. THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE ON, PAVED ROADS, PARKING AREAS, AND ASSOCIATED SHOULDERS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS CONSTRUCTION PROJECT.
20. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS AS SPECIFIED BY NDEP.
21. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LONGER THEN 24 HOURS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS BEEN TEMPORARILY OR PERMANENTLY CEASED.
22. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMP'S WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS FROZEN GROUND CONDITIONS OF SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE SWPPP.
23. TRAFFIC CONTROL AND LANE CLOSURES WILL BE PER SPECIFICATION SECTION 156 OF FP-03 - TEMPORARY ROAD CLOSURES.

ABBREVIATIONS

NOT ALL ABBREVIATIONS LISTED ARE USED IN THESE PLANS

<p>A.B. AGGREGATE BASE AC. ACRE A.C. ASPHALT CONCRETE @ AT APPROX. APPROXIMATE AVG. AVERAGE AWWA AMERICAN WATER WORKS ASSOCIATION BC BEGIN CURVE C&G CURB AND GUTTER CATV CABLE TELEVISION C.B. CATCH BASIN CL CENTERLINE CLR. CLEAR CO. CLEAN OUT CONST. CONSTRUCT CF CUBIC FEET CMP CORRIGATED METAL PIPE CY CUBIC YARD D.G. DECOMPOSED GRANITE DCLTSA DOUGLAS COUNTY LAKE TAHOE SEWER AUTHORITY DEG DEGREE(S) DI DROP INLET DIA. DIAMETER DR DIMENSION RATIO DWG. DRAWING DW, DWY DRIVEWAY EA. EACH EASE. EASEMENT EG. EXISTING GRADE ELEC. ELECTRIC ELEV. ELEVATION EP. EDGE OF PAVEMENT EC. END CURVE EX. EXISTING FG. FINISH GRADE FH. FIRE HYDRANT FCA. FLANGE COUPLER ADAPTER FES. FLARED END SECTION (METAL) FL. FLOWLINE FLG. FLANGED FT. FOOT, FEET FTG. FOOTING FV. FLUSH VALVE DEGREE ° G. GAS GV. GATE VALVE GB. GRADE BREAK HDPE. HIGH DENSITY POLYETHYLENE HDPE-NP NON-PERFORATED HIGH DENSITY POLYETHYLENE HDPE-P PERFORATED HIGH DENSITY POLYETHYLENE HP. HIGH POINT HOR., HORIZ. HORIZONTAL IN. INCH IE. INVERT ELEVATION IRR. IRRIGATION LRWCB. LAHONTAN REGIONAL WATER CONTROL BOARD L. LEFT LEN. LENGTH LF. LINEAR FEET LID. LOW IMPACT DEVELOPMENT LP. LOW POINT LS. LUMP SUM MH. MANHOLE MAX. MAXIMUM MDD. MAXIMUM DRY DENSITY MJ. MECHANICAL JOINT MI. MILE MIN. MINIMUM MISC. MISCELLANEOUS N. NORTH N.I.C. NOT IN CONTRACT NDEP. NEVADA DIVISION OF ENVIRONMENTAL PROTECTION</p>	<p>NTCD NEVADA TAHOE CONSERVATION DISTRICT N.T.S. NOT TO SCALE NO. NUMBER OC ON CENTER OG ORIGINAL GRADE OH(E/T) OVERHEAD ELECTRIC OR TELEPHONE LINES PLUS OR MINUS ± PIPE P. POINT P.C. POINT OF COMPOUND CURVE, PORTLAND CEMENT PC. POINT OF CURVATURE PI. POINT OF INFLECTION PIP. PROTECT IN PLACE PVC. POLYVINYL CHLORIDE PVMT. PAVEMENT POC. POINT ON CURVE POSITIVE POSITIVE PRC. POINT OF REVERSE CURVE PSI. POUNDS PER SQUARE INCH PL. PROPERTY LINE PO. PUSH ON PUE. PUBLIC UTILITY EASEMENT R. RADIUS RCP. REINFORCED CONCRETE PIPE REVEG. REVEGETATION RLC. ROCK LINED CHANNEL RPM. RESOURCE PROTECTION MEASURES RT,R. RIGHT RWQCB. REGIONAL WATER QUALITY CONTROL BOARD R/W, RWY. RIGHT-OF-WAY SS. SANITARY SEWER, STAINLESS STEEL SSCO. SANITARY SEWER CLEAN OUT SSMH. SANITARY SEWER MANHOLE S. SLOPE S. SOUTH SF. SQUARE FOOT/FEET SHT. SHEET SN. SNAG STD. STANDARD SDR. STANDARD DIMENSION RATIO SSPWC. STANDARD SPECIFICATIONS FOR PUBLIC WORKS STA. STATION SD. STORM DRAIN SDMH. STORM DRAIN MANHOLE TBC. TOP BACK OF CURB T. TOP OF CURB TRPA. TAHOE REGIONAL PLANNING AGENCY TW. TOP OF WALL TYP. TYPICAL UGE. UNDERGROUND ELECTRIC LINES UGT. UNDERGROUND TELEPHONE LINES USFS. UNITED STATES FOREST SERVICE VC. VERTICAL CURVE VG. VALLEY GUTTER VPC. VERTICAL POINT OF CURVATURE VPI. VERTICAL POINT OF INFLECTION VPT. VERTICAL POINT OF TANGENT W. WATER WL. WATERLINE W. WEST W. WITH WM. WATER METER</p>
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UTILITIES

<p>CABLE TELEVISION NATURAL GAS ELECTRIC STORM DRAIN SEWER WATER WATER PHONE USA DIGS</p>	<p>CHARTER COMMUNICATIONS, (775) 588-1077 SOUTHWEST GAS, (877) 860-6022 NV ENERGY, (775) 834-4444 DOUGLAS COUNTY PUBLIC WORKS (775) 782-9989 DOUGLAS COUNTY LAKE TAHOE SEWER AUTHORITY, (775) 588-3558 KINGSBURY GID, (775) 588-3548 FRONTIER, (775) 782-0966, ATT (800) 288-2020 (800) 642-2444 OR 811</p>
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HORIZONTAL AND VERTICAL PROJECTION

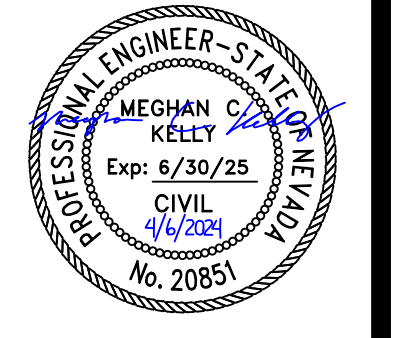
VERTICAL CONTROL IS LAKE TAHOE DATUM
HORIZONTAL CONTROL IS NEVADA STATE PLANE WEST, NAD 83, (U.S. FEET)

LEGEND

NOTE: LEGENDS PROVIDED ON INDIVIDUAL PLAN SHEETS OVERRIDES THIS LEGEND

EXISTING	PROPOSED
<p>----- MAJOR CONTOUR ----- MINOR CONTOUR 6240 EXISTING MAJOR CONTOUR LABEL 5+00 EXISTING ALIGNMENT ----- EXISTING GRADE (SECTION VIEW) ----- PROPERTY LINE FENCE EDGE OF PAVEMENT CULVERT / STORM DRAIN LINE CATCH BASIN FLARED END SECTION CHANNEL 18JP TREE - (DIAMETER) JEFFREY PINE 18SN (DIAMETER) SNAG FIRE HYDRANT CONCRETE CURB & GUTTER CONTROL POINT SIGN CONCRETE BOX CULVERT HEADWALL UTILITY POLE AND GUY WIRE EX OHP OVERHEAD ELECTRIC UG E- UG E- UNDERGROUND ELECTRIC GAS GAS LINE SS SANITARY SEWER LINE W WATER LINE</p>	<p>----- MAJOR CONTOUR ----- MINOR CONTOUR 6240 MAJOR CONTOUR LABEL 5+00 CENTERLINE ALIGNMENT ----- GRADING DAYLIGHT LINE ----- FLOODPLAIN BOUNDARY REMOVE TREE PLACE BOULDER DEWATERING PIPE CONSTRUCTION ACCESS ROUTE CONSTRUCTION STAGING AREA ROCK ENERGY DISSIPATOR / ROCK LINED CHANNEL EQUIPMENT EXCLUSION BOUNDARY EX. BUILDING RESTORATION AREA DEMO ARE COFFER DAM FF FILTER FENCE CONSTRUCTION LIMIT FENCING DEWATERING AREA PAVING GRADE BREAK STORM DRAIN W/ FLARED END SECTION BURKE CREEK CHANNEL RESTORATION</p>

	←	SECTION OR DETAIL IDENTIFICATION
	←	NUMBER OF SHEET ON WHICH SECTION OR DETAIL IS DRAWN
	←	SECTION OR DETAIL IDENTIFICATION
	←	SYMBOL FOR DETAIL ON THE SAME SHEET

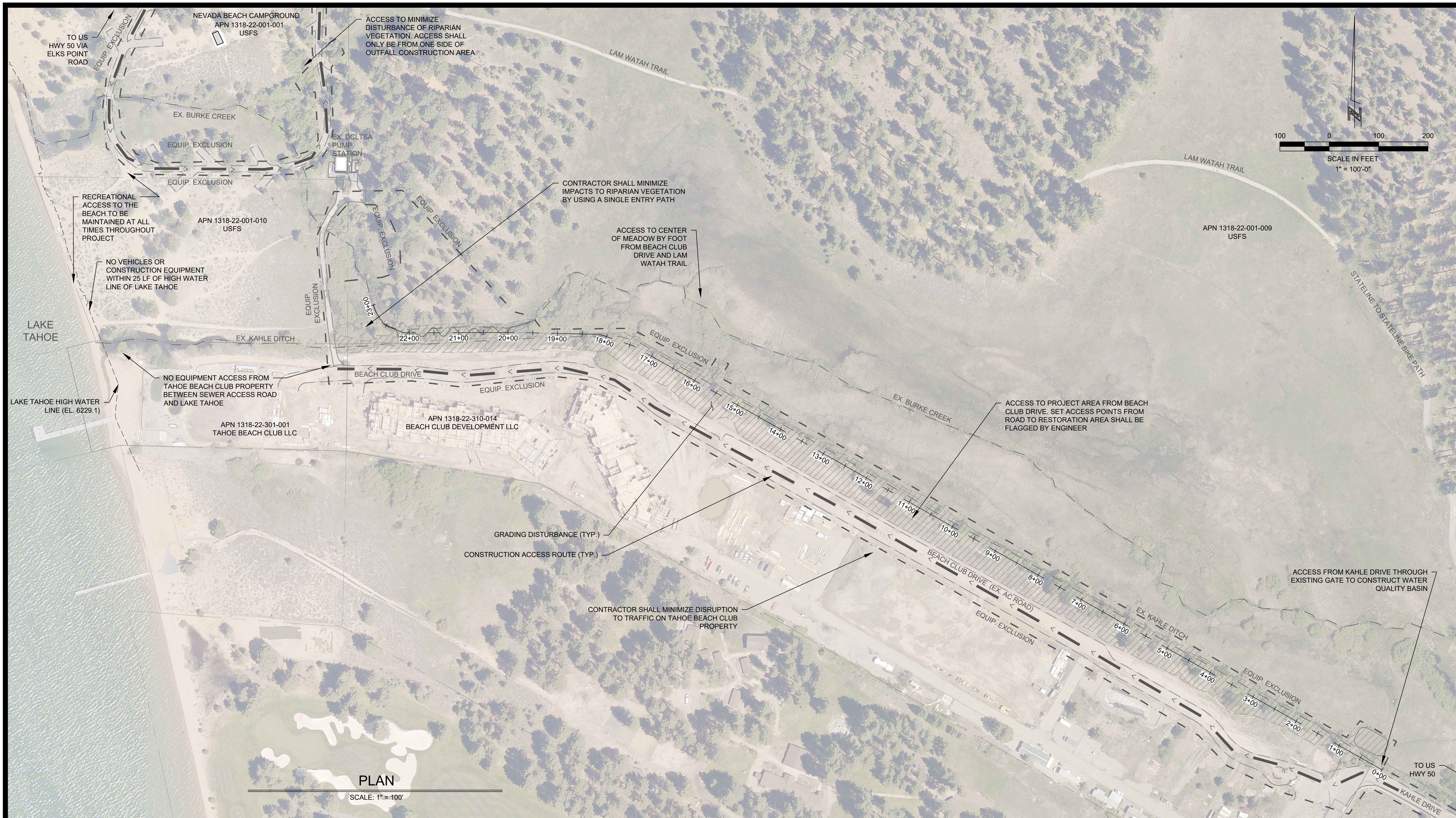


NOTES, LEGEND, ABBREVIATIONS
BURKE CREEK RABE MEADOW RESTORATION

DESIGNED/DRAWN PJ
CHECKED BY MK
DATE 3/25/2024
SCALE AS SHOWN
PROJECT BCRMRRP - BID
SHEET



**BID SET
NOT FOR CONSTRUCTION**

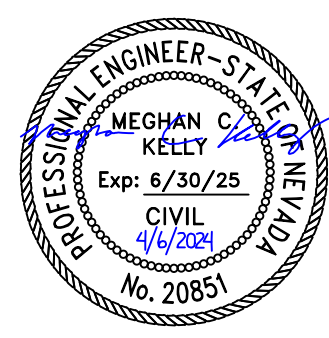


PLAN
SCALE: 1" = 100'

NOTES:

- VEHICLE EXCLUSION ZONES SHOWN ARE APPROXIMATE. A PRE-CONSTRUCTION MEETING SHALL OCCUR BEFORE THE START OF CONSTRUCTION AT EACH OF THE SUB-PROJECT ACTIONS AS SHOWN ON SHEET C1.0, WHERE THE ENGINEER WILL FINALIZE AND DELINEATE EQUIPMENT EXCLUSION AREAS. CONSTRUCTION, INCLUDING TREE REMOVAL, SHALL NOT TAKE PLACE PRIOR TO THIS MEETING.
- ACCESS TO THE PROJECT SITE IS LIMITED TO DAYLIGHT HOURS. ACCESS HOURS ARE SUBJECT TO CHANGE AND WILL BE STATED BY THE ENGINEER AT THE PRE-CONSTRUCTION MEETING.
- STAGING/STORAGE MAY OCCUR ON PAVED AREAS OF DCLTSA PUMP STATION. COORDINATE USAGE WITH DCLTSA VIA ENGINEER.
- NEVADA BEACH CAMPGROUND ROADS SHALL NOT BE USED FOR STAGING OR PARKING. ACCESS TO THE DCLTSA STATION SHALL BE MAINTAINED AT ALL TIMES. IMPACTS TO RECREATIONAL USERS SHALL BE MINIMIZED DURING CAMPGROUND'S OPERATING SEASON, MAY 12 - OCTOBER 15.
- IMPACTS TO EXISTING VEGETATION SHALL BE MINIMIZED BY ACCESSING PROJECT AREAS THROUGH PAVED ROADS AND THE AREA OF GRADING DISTURBANCE. ALL AREAS IMPACTED BY EQUIPMENT AND STAGING SHALL BE RESTORED AND REVEGETATED AT CONCLUSION OF PROJECT.
- INVASIVE PLANT AREAS HAVE BEEN TREATED BY OTHERS PRIOR TO ANY CONSTRUCTION OCCURRING. LOCATIONS OF INVASIVE PLANT INFESTATIONS ARE SHOWN IN THE "BIOLOGICAL EVALUATION OF BOTANICAL SPECIES" FIGURE "INVASIVE PLANT CONCURRENCES." NTCDD WILL MARK IN FIELD WITH FLAGGING PRIOR TO CONSTRUCTION.
- ACCESS IS THROUGH LANDS OWNED BY THE USFS AND THE TAHOE BEACH CLUB. IF REQUESTS TO ALTER STAGING AND ACCESS, INCLUDING LOCATIONS OR TIMES OF ACCESS, ARE BROUGHT TO THE CONTRACTOR FROM EMPLOYEES OF THE TAHOE BEACH CLUB OR THE USFS, THE CONTRACTOR SHALL ADHERE TO THESE REQUESTS IF POSSIBLE AND IMMEDIATELY CONTACT THE ENGINEER.
- ACCESS AND STAGING ON TAHOE BEACH CLUB LANDS WILL BE LIMITED FOR CONSTRUCTION ACTIVITIES IN ACTION 3 AS SHOWN ON THE GRADING PLAN OVERVIEW PLAN (SEE SHEET C1.0). ALL OTHER ACCESS AND STAGING TO BE ON AND THROUGH USFS LANDS.
- ADDITIONAL STAGING TO OCCUR AT LAM WATAH TRAILHEAD PARKING LOT AND ADJACENT TO THE EXISTING KAHLE WATER QUALITY BASIN. MAXIMUM NUMBER OF PARKING SPACES TO BE USED AT THE LAM WATAH TRAILHEAD IS FOUR SPACES FOR UP TO EIGHT WEEKS. STAGING ALSO AVAILABLE AT THE NORTHEAST CORNER OF THE US 50/KAHLE DRIVE INTERSECTION AT A DOUGLAS COUNTY OWNED PARKING LOT. ANY ADDITIONAL STAGING NEEDED MUST BE SECURED BY THE CONTRACTOR.
- CONSTRUCTION BMPS TO BE INSTALLED AT ALL STAGING LOCATIONS.
- SEE DETAIL 3, SHEET D1.0 FOR SOIL STOCKPILE. (5) (D1.0)
- ACCESS POINTS FROM PAVED ROADS TO RESTORATION AREAS TO BE MARKED IN FIELD BY ENGINEER. HARDENED CONSTRUCTION ENTRANCE TO BE INSTALLED AT ACCESS POINTS (2 EACH). (1) (D1.3)

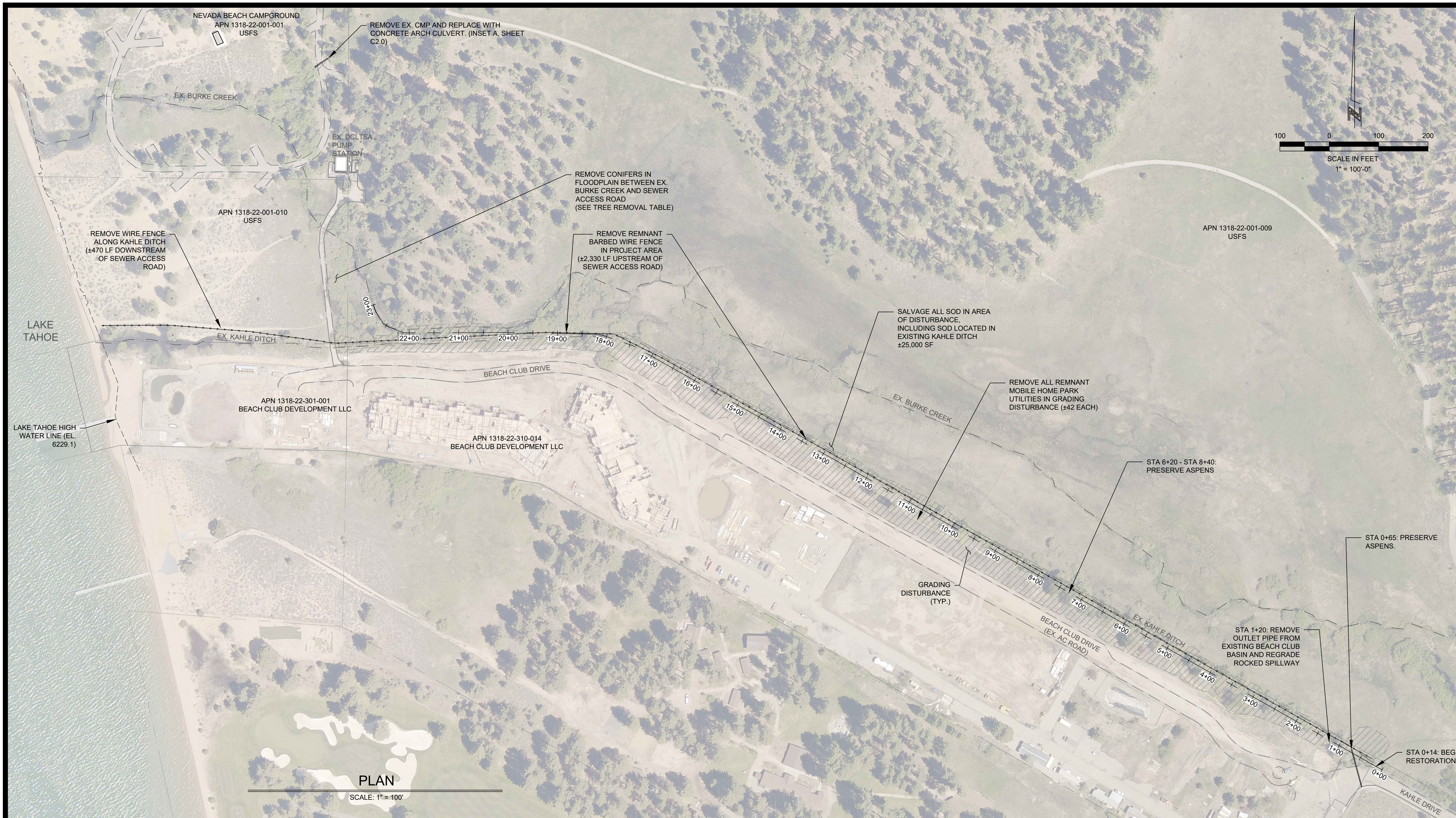
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NOT FOR CONSTRUCTION**



STAGING AND ACCESS PLAN
BURKE CREEK RABE MEADOW RESTORATION

DESIGNED/DRAWN	PJ
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DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	



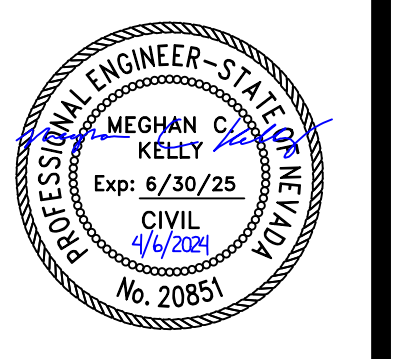


PLAN
SCALE: 1" = 100'

- NOTES:
- SEE C SHEETS FOR SEQUENCE OF DEMOLITION.
 - REQUIRED WILDLIFE SURVEYS MUST BE COMPLETED PRIOR TO TREE REMOVAL. SEE RPMS.
 - TREE REMOVAL ADJACENT TO BURKE CREEK AND KAHLE DITCH TO OCCUR WHILE WATERWAY IS DEWATERED.
 - NO LOGS SHALL BE HAULED OFF-SITE WITHOUT PERMISSION FROM ENGINEER. ALL LOGS SHOULD BE USED IN PROJECT.
 - TREE REMOVAL MAY OCCUR PRIOR TO ANY PHASES ON C1.0. CUT TREES SHALL BE STAGED IN ACTION 2 AREA FOR USE IN PROJECT.

ESTIMATED TREE REMOVAL QUANTITIES (STREAM AND SEZ RESTORATION)	
10"-19" DBH	25
20"-29" DBH	10
NON-NATIVE TREES	12
TOTAL	47

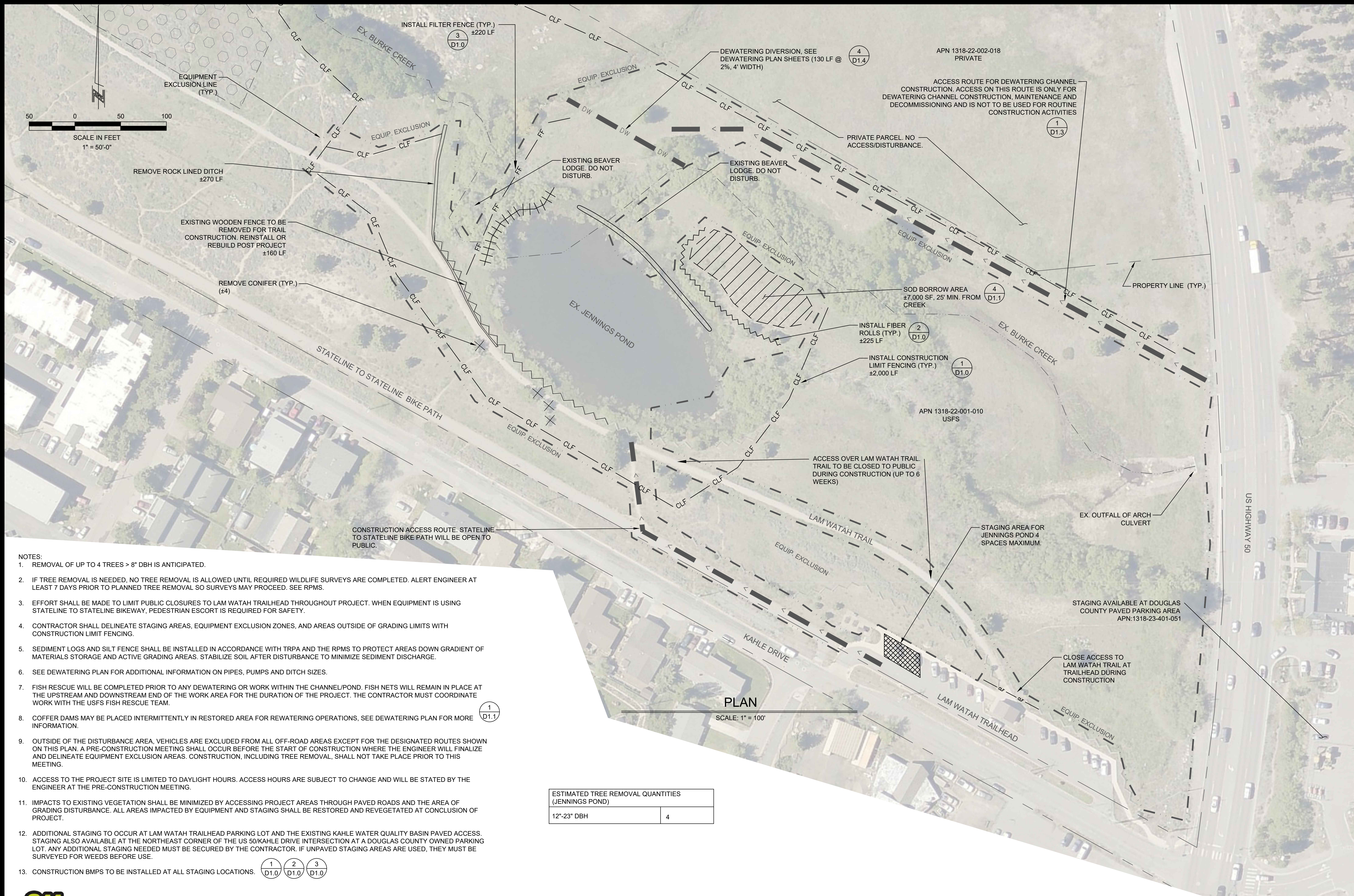
BID SET
NOT FOR CONSTRUCTION



DEMO & TREE REMOVAL PLAN
BURKE CREEK RABE MEADOW RESTORATION

DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	





- NOTES:
- REMOVAL OF UP TO 4 TREES > 8" DBH IS ANTICIPATED.
 - IF TREE REMOVAL IS NEEDED, NO TREE REMOVAL IS ALLOWED UNTIL REQUIRED WILDLIFE SURVEYS ARE COMPLETED. ALERT ENGINEER AT LEAST 7 DAYS PRIOR TO PLANNED TREE REMOVAL SO SURVEYS MAY PROCEED. SEE RPMs.
 - EFFORT SHALL BE MADE TO LIMIT PUBLIC CLOSURES TO LAM WATAH TRAILHEAD THROUGHOUT PROJECT. WHEN EQUIPMENT IS USING STATELINE TO STATELINE BIKEWAY, PEDESTRIAN ESCORT IS REQUIRED FOR SAFETY.
 - CONTRACTOR SHALL DELINEATE STAGING AREAS, EQUIPMENT EXCLUSION ZONES, AND AREAS OUTSIDE OF GRADING LIMITS WITH CONSTRUCTION LIMIT FENCING.
 - SEDIMENT LOGS AND SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH TRPA AND THE RPMs TO PROTECT AREAS DOWN GRADIENT OF MATERIALS STORAGE AND ACTIVE GRADING AREAS. STABILIZE SOIL AFTER DISTURBANCE TO MINIMIZE SEDIMENT DISCHARGE.
 - SEE DEWATERING PLAN FOR ADDITIONAL INFORMATION ON PIPES, PUMPS AND DITCH SIZES.
 - FISH RESCUE WILL BE COMPLETED PRIOR TO ANY DEWATERING OR WORK WITHIN THE CHANNEL/POND. FISH NETS WILL REMAIN IN PLACE AT THE UPSTREAM AND DOWNSTREAM END OF THE WORK AREA FOR THE DURATION OF THE PROJECT. THE CONTRACTOR MUST COORDINATE WORK WITH THE USFS FISH RESCUE TEAM.
 - COFFER DAMS MAY BE PLACED INTERMITTENTLY IN RESTORED AREA FOR REWATERING OPERATIONS. SEE DEWATERING PLAN FOR MORE INFORMATION.
 - OUTSIDE OF THE DISTURBANCE AREA, VEHICLES ARE EXCLUDED FROM ALL OFF-ROAD AREAS EXCEPT FOR THE DESIGNATED ROUTES SHOWN ON THIS PLAN. A PRE-CONSTRUCTION MEETING SHALL OCCUR BEFORE THE START OF CONSTRUCTION WHERE THE ENGINEER WILL FINALIZE AND DELINEATE EQUIPMENT EXCLUSION AREAS. CONSTRUCTION, INCLUDING TREE REMOVAL, SHALL NOT TAKE PLACE PRIOR TO THIS MEETING.
 - ACCESS TO THE PROJECT SITE IS LIMITED TO DAYLIGHT HOURS. ACCESS HOURS ARE SUBJECT TO CHANGE AND WILL BE STATED BY THE ENGINEER AT THE PRE-CONSTRUCTION MEETING.
 - IMPACTS TO EXISTING VEGETATION SHALL BE MINIMIZED BY ACCESSING PROJECT AREAS THROUGH PAVED ROADS AND THE AREA OF GRADING DISTURBANCE. ALL AREAS IMPACTED BY EQUIPMENT AND STAGING SHALL BE RESTORED AND REVEGETATED AT CONCLUSION OF PROJECT.
 - ADDITIONAL STAGING TO OCCUR AT LAM WATAH TRAILHEAD PARKING LOT AND THE EXISTING KAHLE WATER QUALITY BASIN PAVED ACCESS. STAGING ALSO AVAILABLE AT THE NORTHEAST CORNER OF THE US 50/KAHLE DRIVE INTERSECTION AT A DOUGLAS COUNTY OWNED PARKING LOT. ANY ADDITIONAL STAGING NEEDED MUST BE SECURED BY THE CONTRACTOR. IF UNPAVED STAGING AREAS ARE USED, THEY MUST BE SURVEYED FOR WEEDS BEFORE USE.
 - CONSTRUCTION BMPS TO BE INSTALLED AT ALL STAGING LOCATIONS. (1) (2) (3)

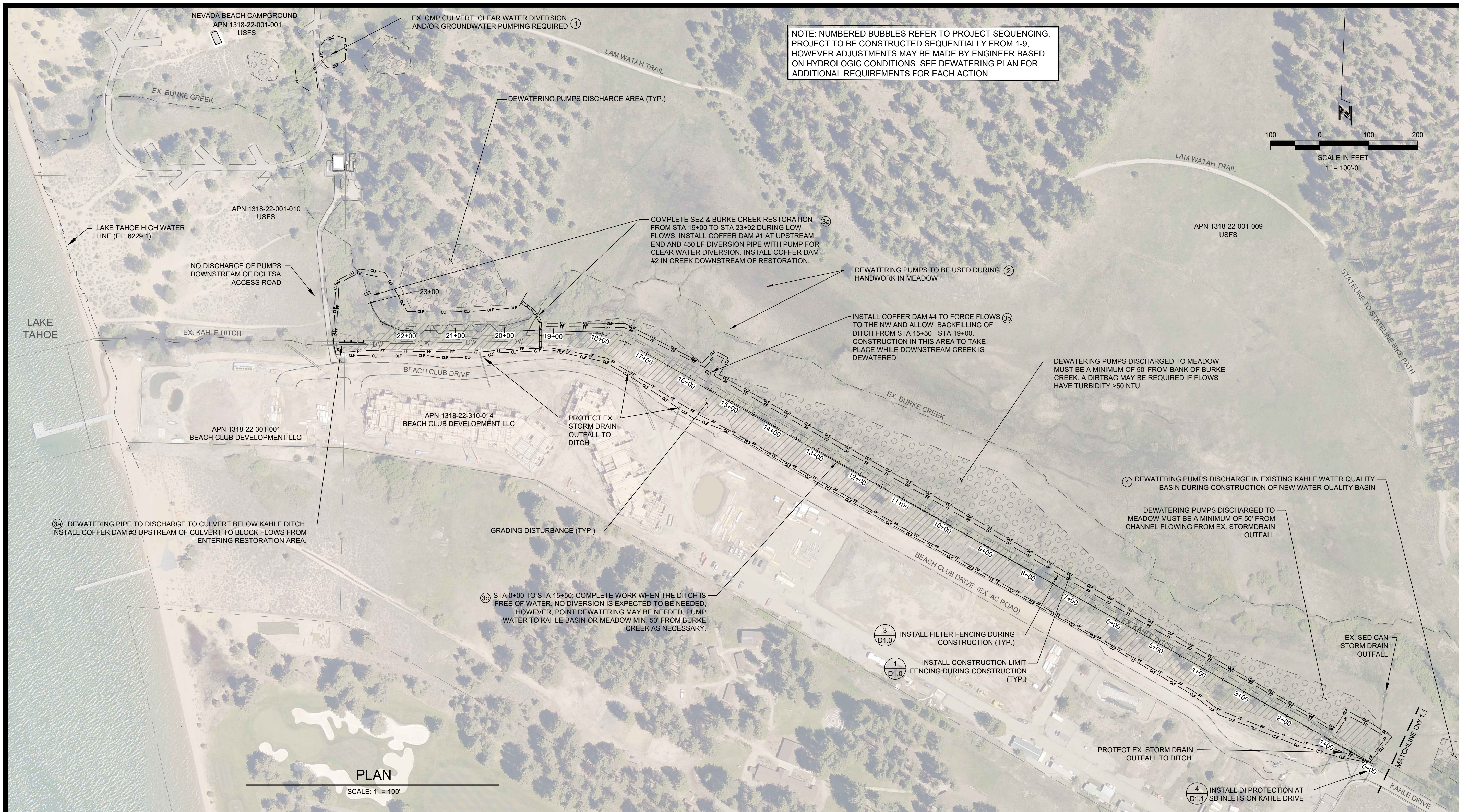
ESTIMATED TREE REMOVAL QUANTITIES (JENNINGS POND)	
12"-23" DBH	4

PLAN

SCALE: 1" = 100'



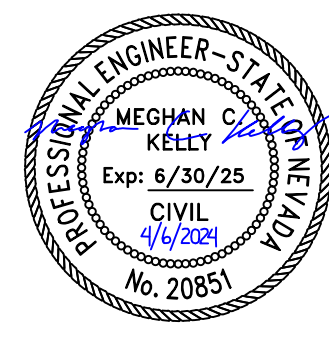
**BID SET
 NOT FOR CONSTRUCTION**



NOTE: NUMBERED BUBBLES REFER TO PROJECT SEQUENCING. PROJECT TO BE CONSTRUCTED SEQUENTIALLY FROM 1-9. HOWEVER ADJUSTMENTS MAY BE MADE BY ENGINEER BASED ON HYDROLOGIC CONDITIONS. SEE DEWATERING PLAN FOR ADDITIONAL REQUIREMENTS FOR EACH ACTION.

PLAN
SCALE: 1" = 100'

- NOTES:
- NO TREE REMOVAL IS ALLOWED UNTIL REQUIRED WILDLIFE SURVEYS ARE COMPLETED. ALERT ENGINEER AT LEAST 7 DAYS PRIOR TO PLANNED TREE REMOVAL SO SURVEYS MAY PROCEED.
 - VEHICLE THROUGH TRAFFIC ON ROADS IN NEVADA BEACH CAMPGROUND AND AT THE TAHOE BEACH CLUB SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT.
 - CONTRACTOR SHALL DELINEATE STAGING AREAS, EQUIPMENT EXCLUSION ZONES, AND AREAS OUTSIDE OF GRADING LIMITS WITH CONSTRUCTION LIMIT FENCING.
 - SEDIMENT LOGS AND SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH TRPA AND THE RPMS TO PROTECT AREAS DOWN GRADIENT OF MATERIALS STORAGE AND ACTIVE GRADING AREAS. STABILIZE SOIL AFTER DISTURBANCE TO MINIMIZE SEDIMENT DISCHARGE.
 - SEE DEWATERING PLAN FOR ADDITIONAL INFORMATION ON PIPES, PUMPS AND DITCH SIZES. SEE DETAIL SHEETS FOR 1 4 D1.1 D1.0
 - FISH RESCUE WILL BE COMPLETED PRIOR TO ANY DEWATERING OR WORK WITHIN BURKE CREEK OR KAHLE DITCH (WHEN WATER IS PRESENT). FISH NETS WILL REMAIN IN PLACE AT THE UPSTREAM AND DOWNSTREAM END OF THE WORK AREA FOR THE DURATION OF THE PROJECT. THE CONTRACTOR MUST COORDINATE WORK WITH THE USFS FISH RESCUE TEAM.
 - COFFER DAMS MAY BE PLACED INTERMITTENTLY ON RESTORED REACH FOR REWATERING OPERATIONS, SEE DEWATERING PLAN FOR MORE INFORMATION.
 - ALL DATES/YEARS ARE TENTATIVE AND SUBJECT TO CHANGE, HOWEVER CONSTRUCTION WILL BE LIMITED TO BE BETWEEN MAY 1 AND OCTOBER 15. CONSTRUCTION IN WET AREAS SHOULD OCCUR AFTER JULY 1 SO THAT SOIL IS LESS WET.



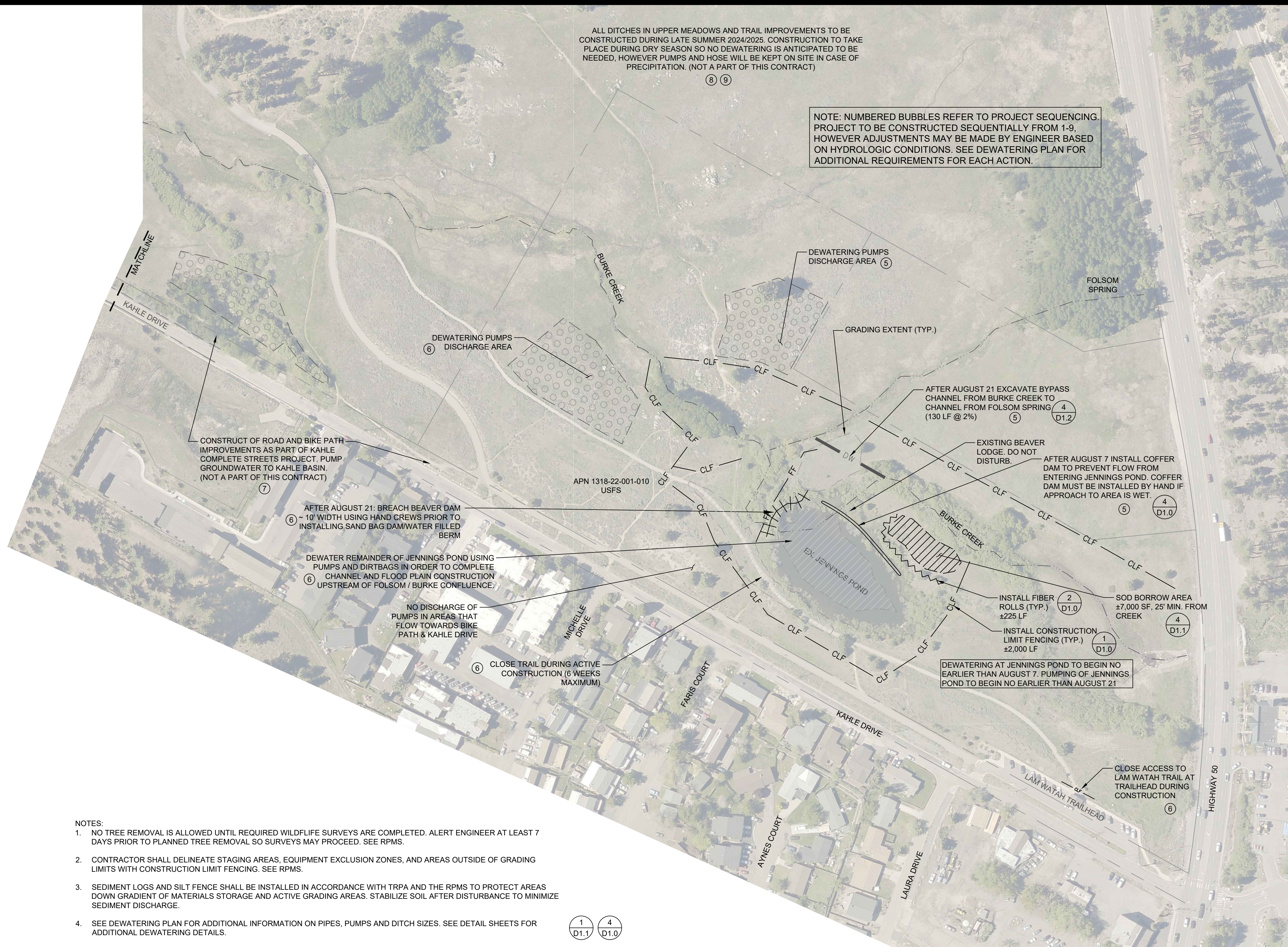
DEWATERING, EROSION CONTROL AND CONSTRUCTION BMP PLAN
BURKE CREEK RABE MEADOW RESTORATION

DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	

**BID SET
NOT FOR CONSTRUCTION**

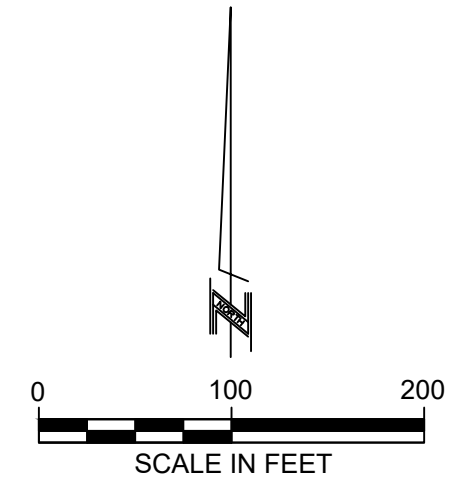
DW1.0
6 OF 23





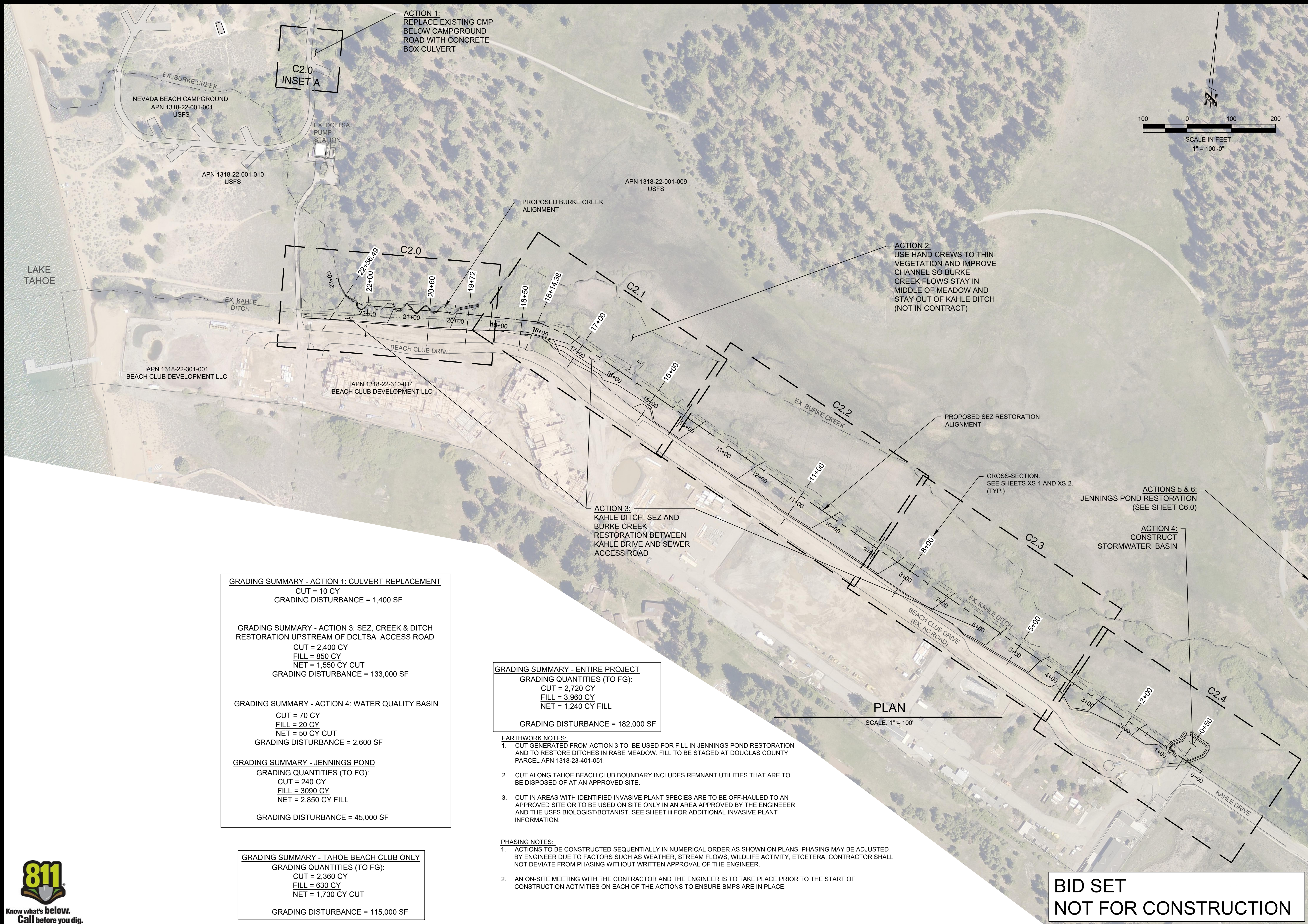
- NOTES:
- NO TREE REMOVAL IS ALLOWED UNTIL REQUIRED WILDLIFE SURVEYS ARE COMPLETED. ALERT ENGINEER AT LEAST 7 DAYS PRIOR TO PLANNED TREE REMOVAL SO SURVEYS MAY PROCEED. SEE RPMS.
 - CONTRACTOR SHALL DELINEATE STAGING AREAS, EQUIPMENT EXCLUSION ZONES, AND AREAS OUTSIDE OF GRADING LIMITS WITH CONSTRUCTION LIMIT FENCING. SEE RPMS.
 - SEDIMENT LOGS AND SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH TRPA AND THE RPMS TO PROTECT AREAS DOWN GRADIENT OF MATERIALS STORAGE AND ACTIVE GRADING AREAS. STABILIZE SOIL AFTER DISTURBANCE TO MINIMIZE SEDIMENT DISCHARGE.
 - SEE DEWATERING PLAN FOR ADDITIONAL INFORMATION ON PIPES, PUMPS AND DITCH SIZES. SEE DETAIL SHEETS FOR ADDITIONAL DEWATERING DETAILS.
 - FISH RESCUE WILL BE COMPLETED PRIOR TO ANY DEWATERING OR WORK WITHIN BURKE CREEK OR KAHLE DITCH (WHEN WATER IS PRESENT). FISH NETS WILL REMAIN IN PLACE AT THE UPSTREAM AND DOWNSTREAM END OF THE WORK AREA FOR THE DURATION OF THE PROJECT. THE CONTRACTOR MUST COORDINATE WORK WITH THE USFS FISH RESCUE TEAM.
 - COFFER DAMS MAY BE PLACED INTERMITTENTLY ON RESTORED REACH FOR REWATERING OPERATIONS. SEE DEWATERING PLAN FOR MORE INFORMATION.
 - ALL DATES/YEARS ARE TENTATIVE AND SUBJECT TO CHANGE, HOWEVER CONSTRUCTION WILL BE LIMITED TO BE BETWEEN MAY 1 AND OCTOBER 15.
 - OTHER DISCHARGE PUMP DEWATERING AREAS MAY BE USED TO LIMIT GROUND SATURATION AND RUNOFF. DISCHARGE SITES WILL BE AT LEAST 50' FROM BURKE CREEK AND FOLSOM SPRING.

1 D1.1 4 D1.0



**BID SET
 NOT FOR CONSTRUCTION**

DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	DW1.1
	7 OF 23



GRADING SUMMARY - ACTION 1: CULVERT REPLACEMENT
 CUT = 10 CY
 GRADING DISTURBANCE = 1,400 SF

GRADING SUMMARY - ACTION 3: SEZ, CREEK & DITCH RESTORATION UPSTREAM OF DCLTSA ACCESS ROAD
 CUT = 2,400 CY
 FILL = 850 CY
 NET = 1,550 CY CUT
 GRADING DISTURBANCE = 133,000 SF

GRADING SUMMARY - ACTION 4: WATER QUALITY BASIN
 CUT = 70 CY
 FILL = 20 CY
 NET = 50 CY CUT
 GRADING DISTURBANCE = 2,600 SF

GRADING SUMMARY - JENNINGS POND
 GRADING QUANTITIES (TO FG):
 CUT = 240 CY
 FILL = 3090 CY
 NET = 2,850 CY FILL
 GRADING DISTURBANCE = 45,000 SF

GRADING SUMMARY - TAHOE BEACH CLUB ONLY
 GRADING QUANTITIES (TO FG):
 CUT = 2,360 CY
 FILL = 630 CY
 NET = 1,730 CY CUT
 GRADING DISTURBANCE = 115,000 SF

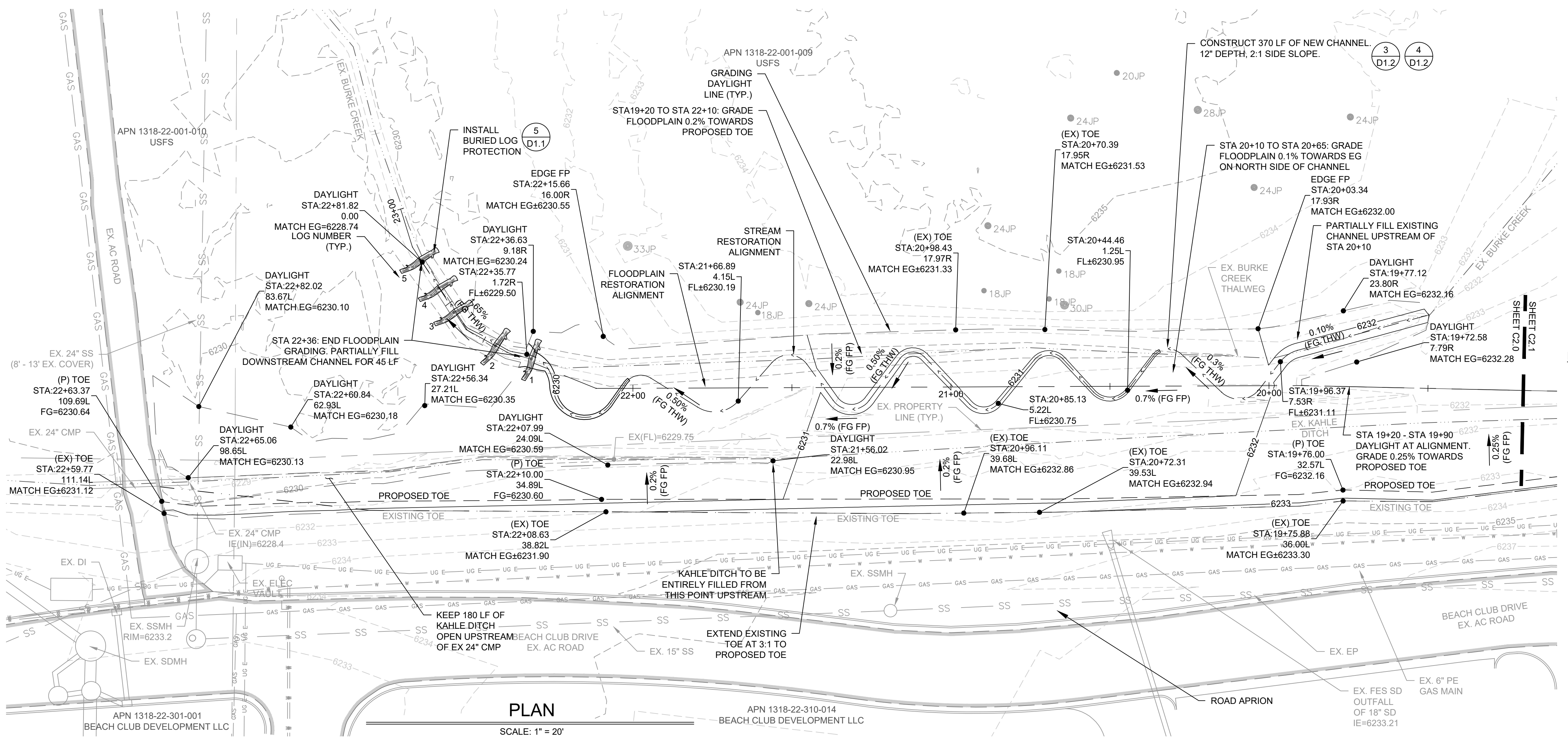
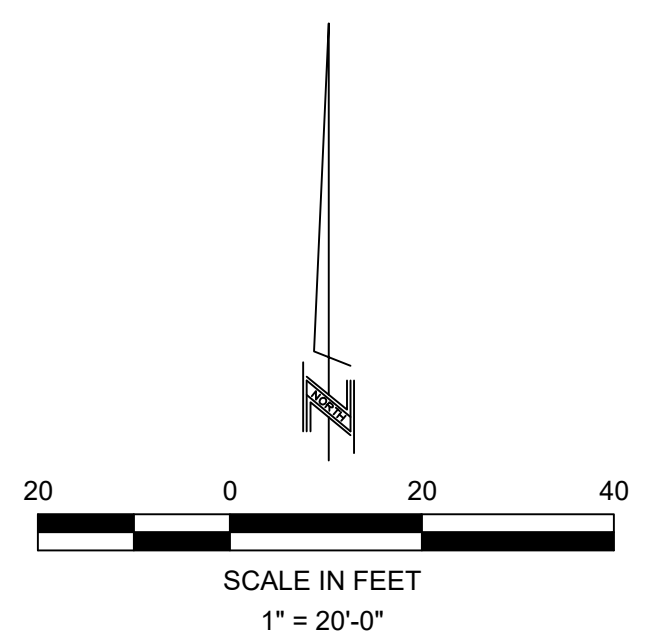
GRADING SUMMARY - ENTIRE PROJECT
 GRADING QUANTITIES (TO FG):
 CUT = 2,720 CY
 FILL = 3,960 CY
 NET = 1,240 CY FILL
 GRADING DISTURBANCE = 182,000 SF

- EARTHWORK NOTES:**
- CUT GENERATED FROM ACTION 3 TO BE USED FOR FILL IN JENNINGS POND RESTORATION AND TO RESTORE DITCHES IN RABE MEADOW. FILL TO BE STAGED AT DOUGLAS COUNTY PARCEL APN 1318-23-401-051.
 - CUT ALONG TAHOE BEACH CLUB BOUNDARY INCLUDES REMNANT UTILITIES THAT ARE TO BE DISPOSED OF AT AN APPROVED SITE.
 - CUT IN AREAS WITH IDENTIFIED INVASIVE PLANT SPECIES ARE TO BE OFF-HAULED TO AN APPROVED SITE OR TO BE USED ON SITE ONLY IN AN AREA APPROVED BY THE ENGINEER AND THE USFS BIOLOGIST/BOTANIST. SEE SHEET iii FOR ADDITIONAL INVASIVE PLANT INFORMATION.

- PHASING NOTES:**
- ACTIONS TO BE CONSTRUCTED SEQUENTIALLY IN NUMERICAL ORDER AS SHOWN ON PLANS. PHASING MAY BE ADJUSTED BY ENGINEER DUE TO FACTORS SUCH AS WEATHER, STREAM FLOWS, WILDLIFE ACTIVITY, ETCETERA. CONTRACTOR SHALL NOT DEVIATE FROM PHASING WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
 - AN ON-SITE MEETING WITH THE CONTRACTOR AND THE ENGINEER IS TO TAKE PLACE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES ON EACH OF THE ACTIONS TO ENSURE BMPs ARE IN PLACE.

**BID SET
 NOT FOR CONSTRUCTION**





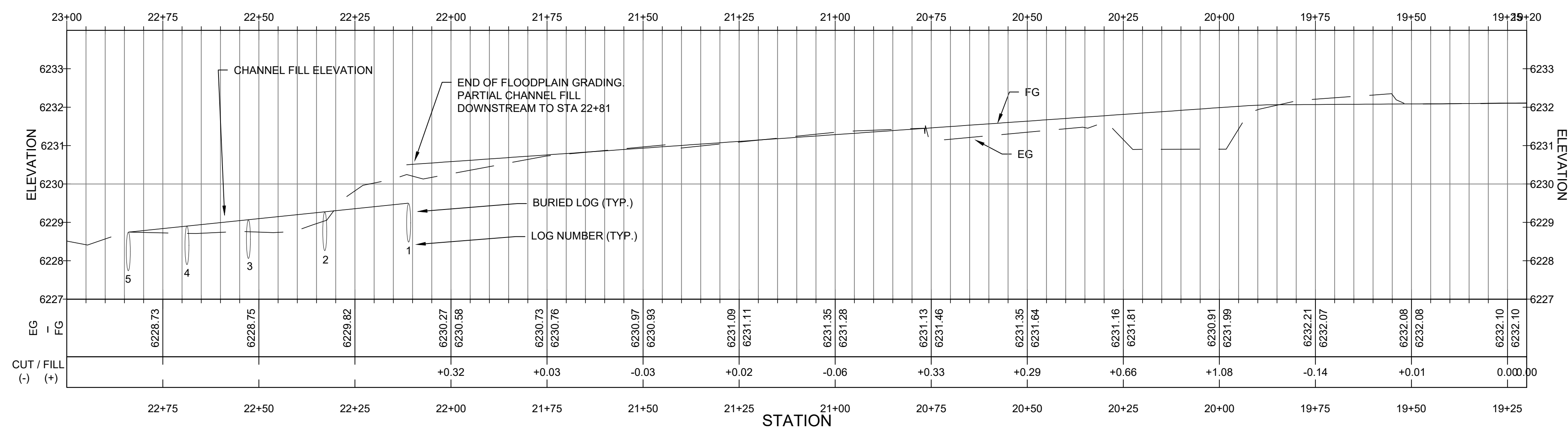
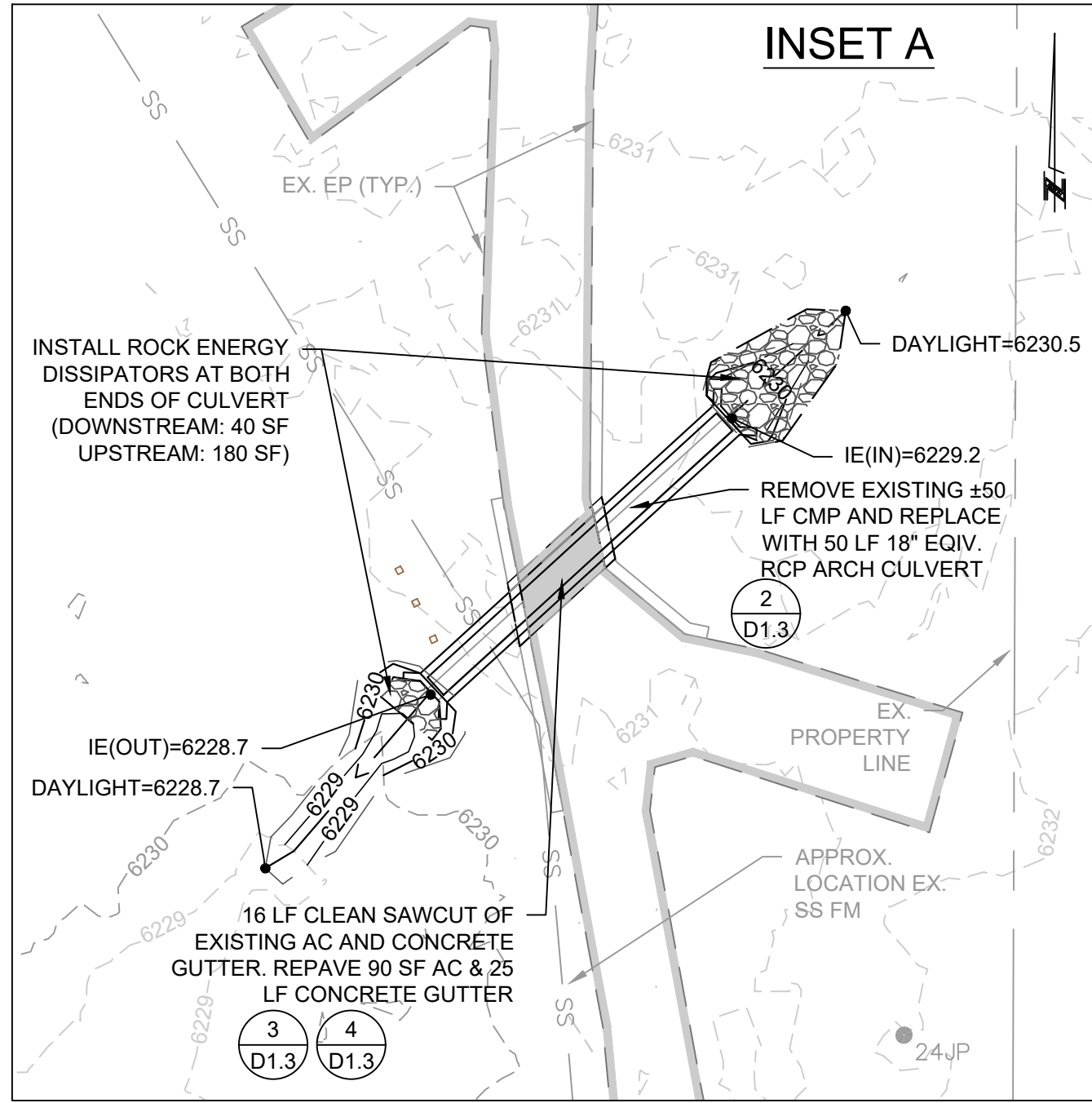
- NOTES**
- SEE SHEET D1.2, DETAIL 1 FOR TYPICAL SECTION DETAILS OF DITCH FILL.
 - CHANNEL PROFILE NOT SHOWN, BUT WILL BE PROVIDED DURING CONSTRUCTION STAKING BY ENGINEER.

BURIED LOG PROTECTION

LOG #	LENGTH (LF)	MIN. DIA.	TOP EL.
1	15	12"	6229.5
2	15	12"	6229.35
3	15	12"	6229.1
4	15	12"	6228.9
5	15	12"	6228.75

- NOTES:**
- TOTAL CONSTRUCTED FLOODPLAIN UPSTREAM OF DCLTSA ACCESS ROAD TO KAHLE DRIVE: 119,500 SF
 - TREE REMOVAL ±24 CONIFERS, USE IN BURIED LOG WEIRS & INCREASED FLOODPLAIN ROUGHNESS AREA.
 - SEE SPECIAL TECHNICAL PROVISIONS FOR WORKING WITHIN BEAVER OCCUPIED HABITAT.

PLAN
SCALE: 1" = 20'

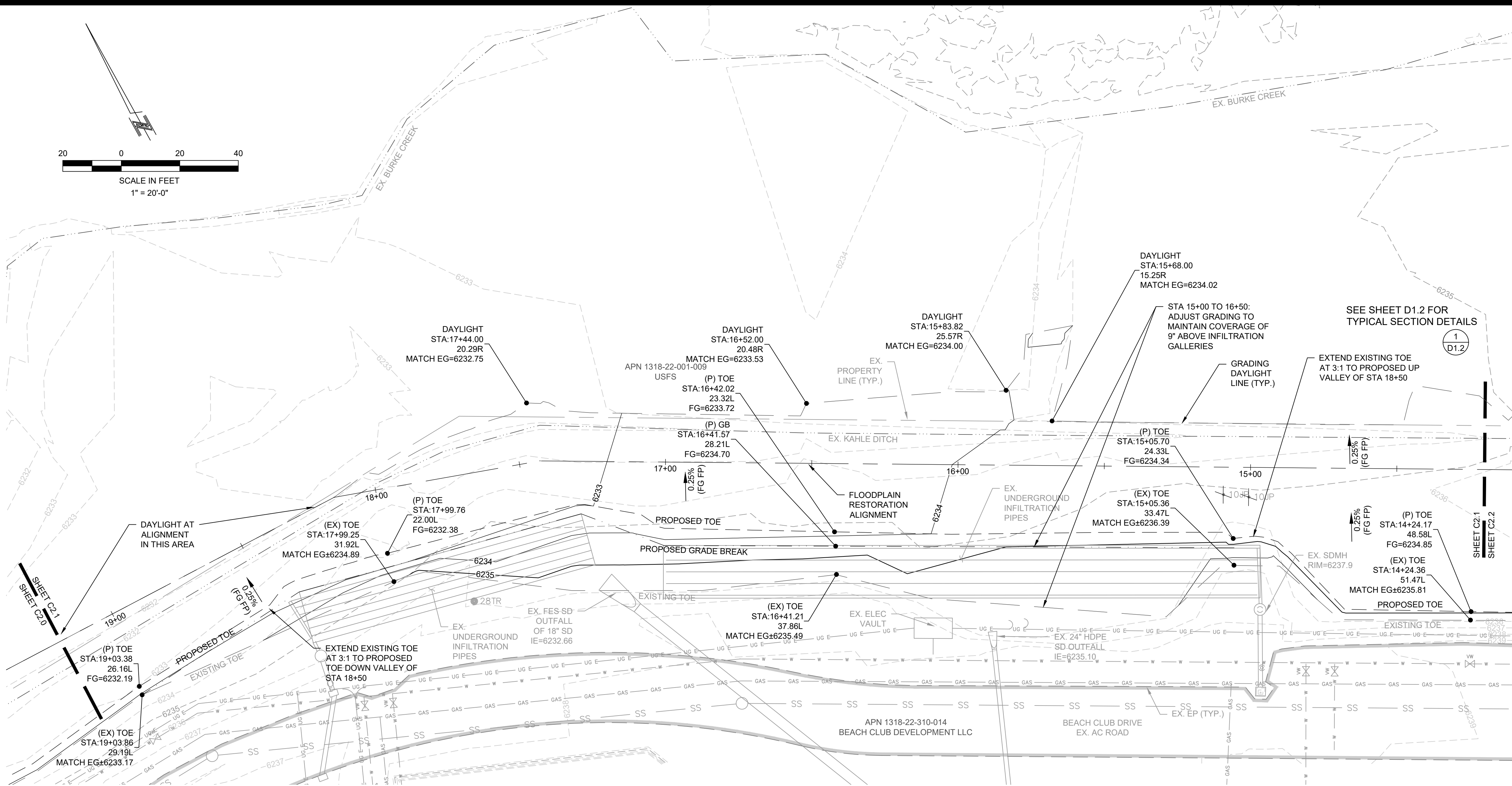
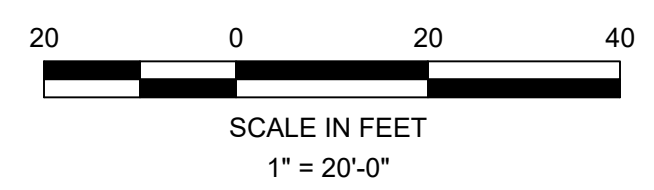


PROPOSED FLOODPLAIN PROFILE
HORIZONTAL SCALE: 1" = 20', VERTICAL SCALE: 1" = 2'

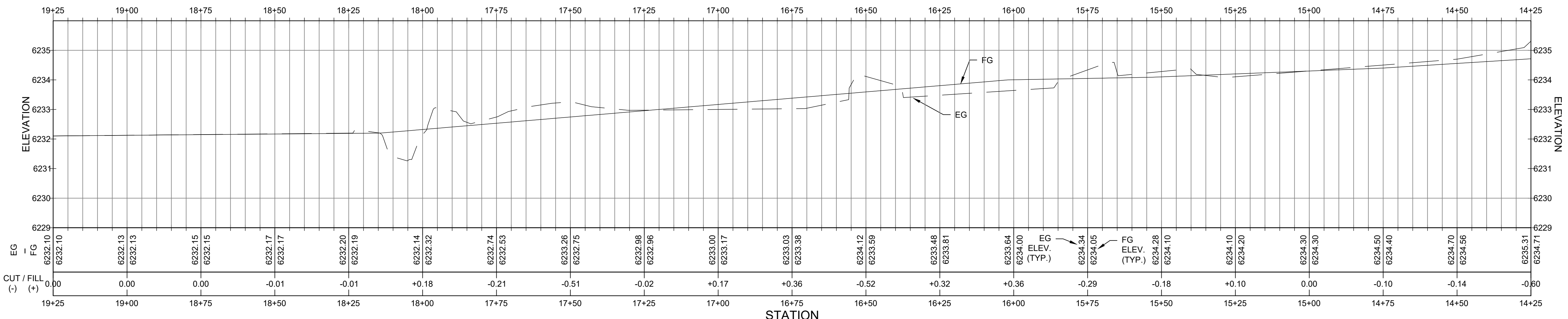
**BID SET
NOT FOR CONSTRUCTION**



DESIGNED/DRAWN PJ
CHECKED BY MK
DATE 3/25/2024
SCALE AS SHOWN
PROJECT BCMRMP - BID
SHEET C2.0 9 OF 23



NOTES:
 1. MINIMUM FG COVER OVER INFILTRATION GALLERIES: 9". NOTIFY ENGINEER IF GRADING PLAN DOES NOT ALLOW FOR.

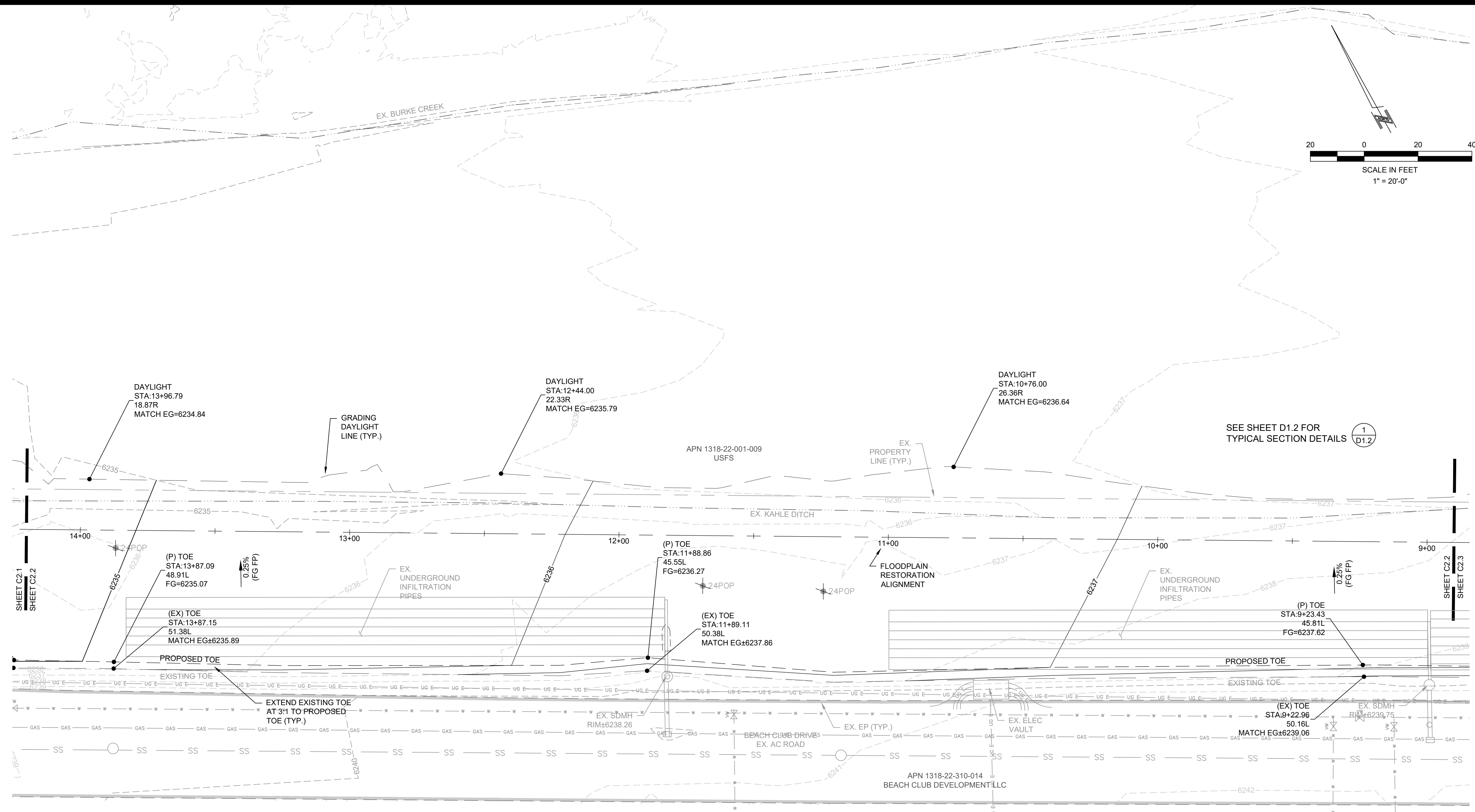
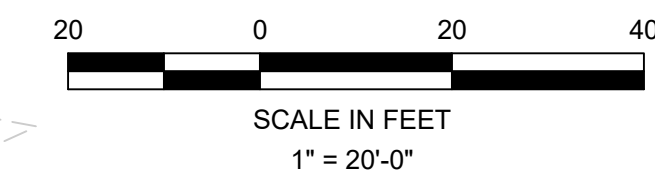


PROPOSED FLOODPLAIN PROFILE
 HORIZONTAL SCALE: 1" = 20', VERTICAL SCALE: 1" = 2'

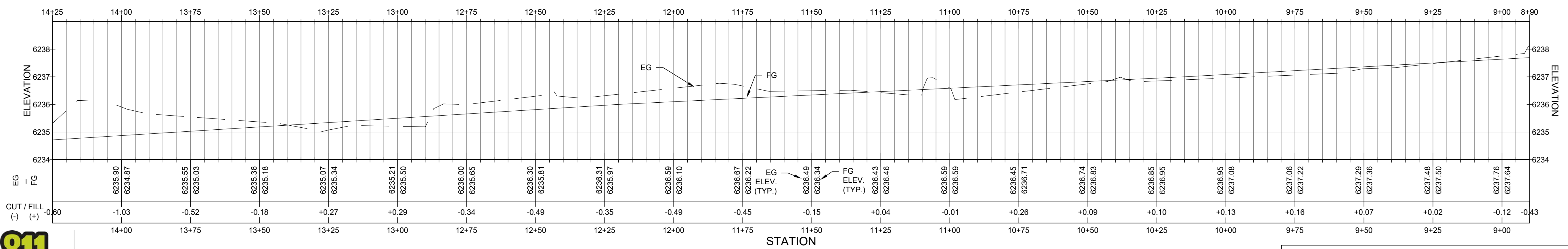
BID SET
NOT FOR CONSTRUCTION



DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	C2.1
	10 OF 23



SEE SHEET D1.2 FOR TYPICAL SECTION DETAILS 1 D1.2



PROPOSED FLOODPLAIN PROFILE

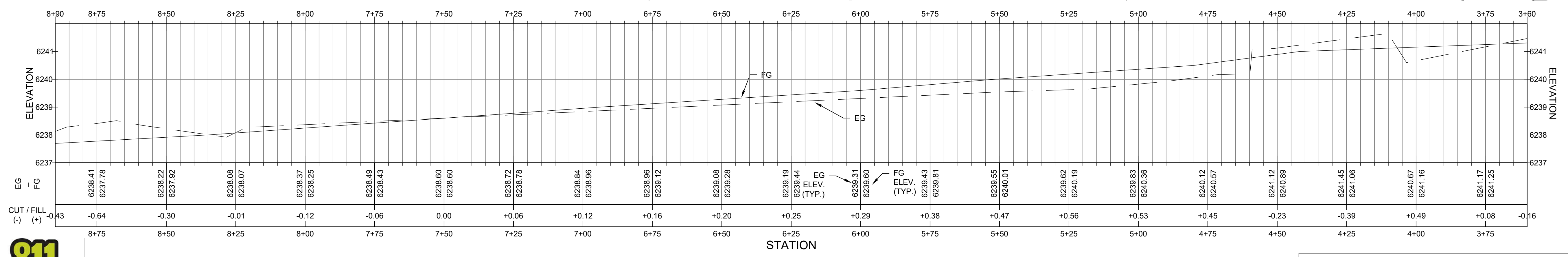
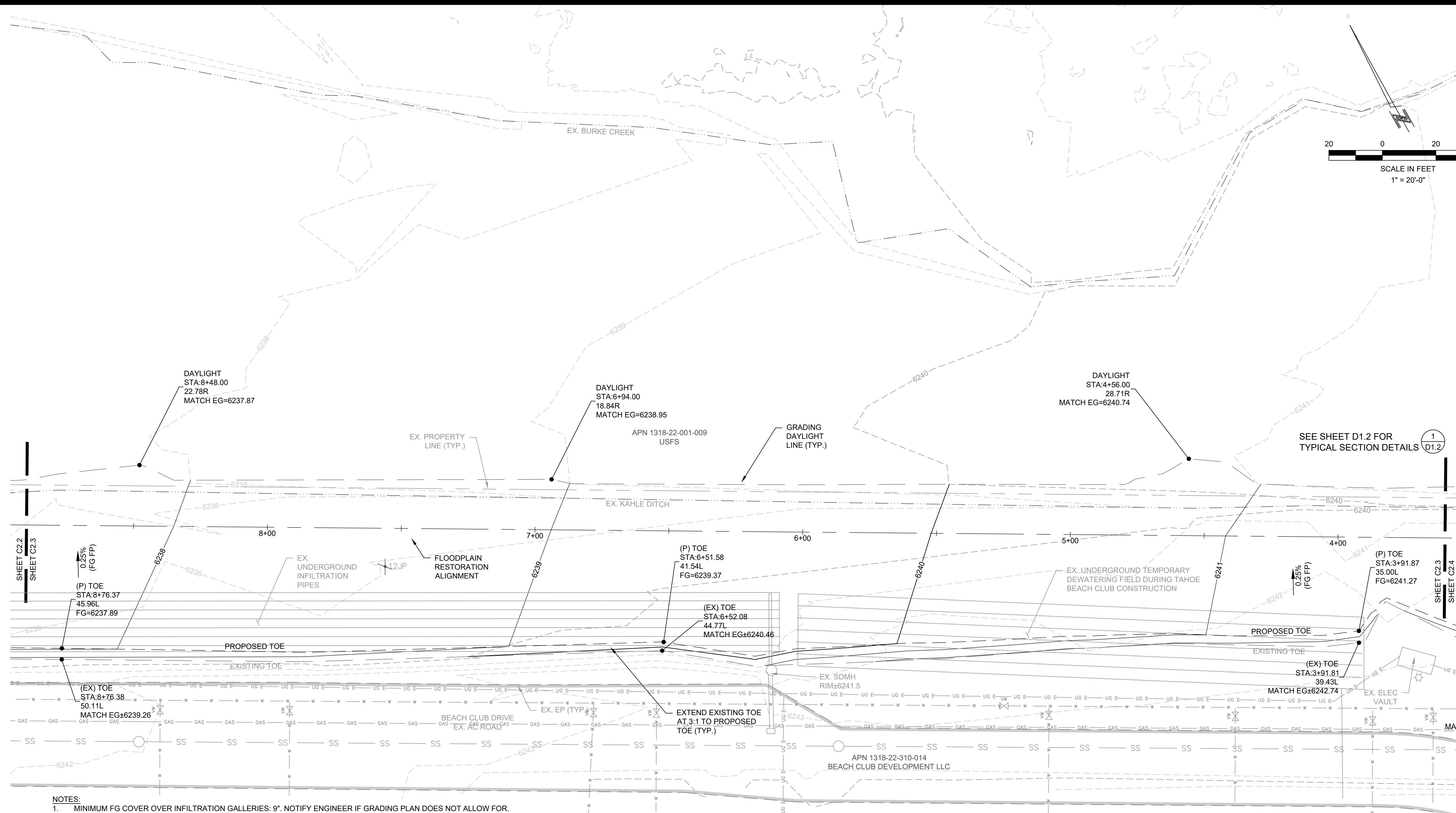
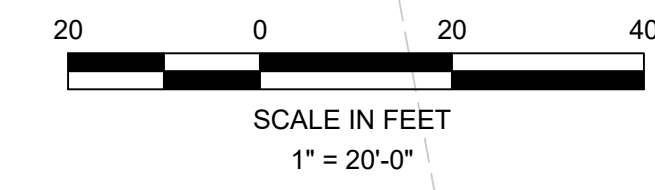
HORIZONTAL SCALE: 1" = 20', VERTICAL SCALE: 1" = 2'

**BID SET
 NOT FOR CONSTRUCTION**



NOTES:
 1. MINIMUM FG COVER OVER INFILTRATION GALLERIES: 9". NOTIFY ENGINEER IF GRADING PLAN DOES NOT ALLOW FOR.

DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	C2.2
	11 OF 23

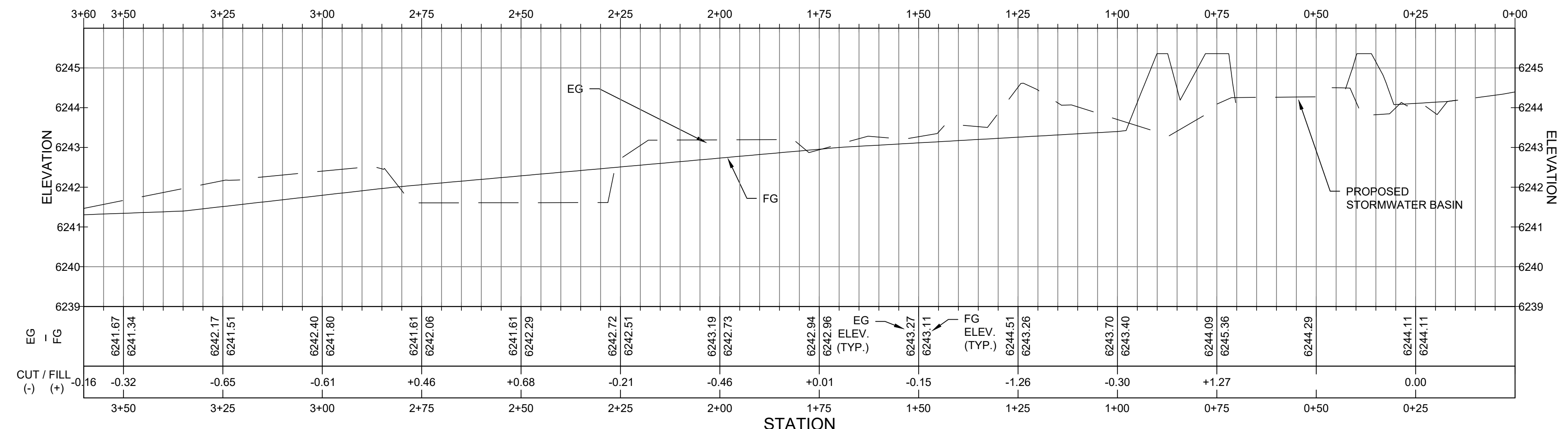
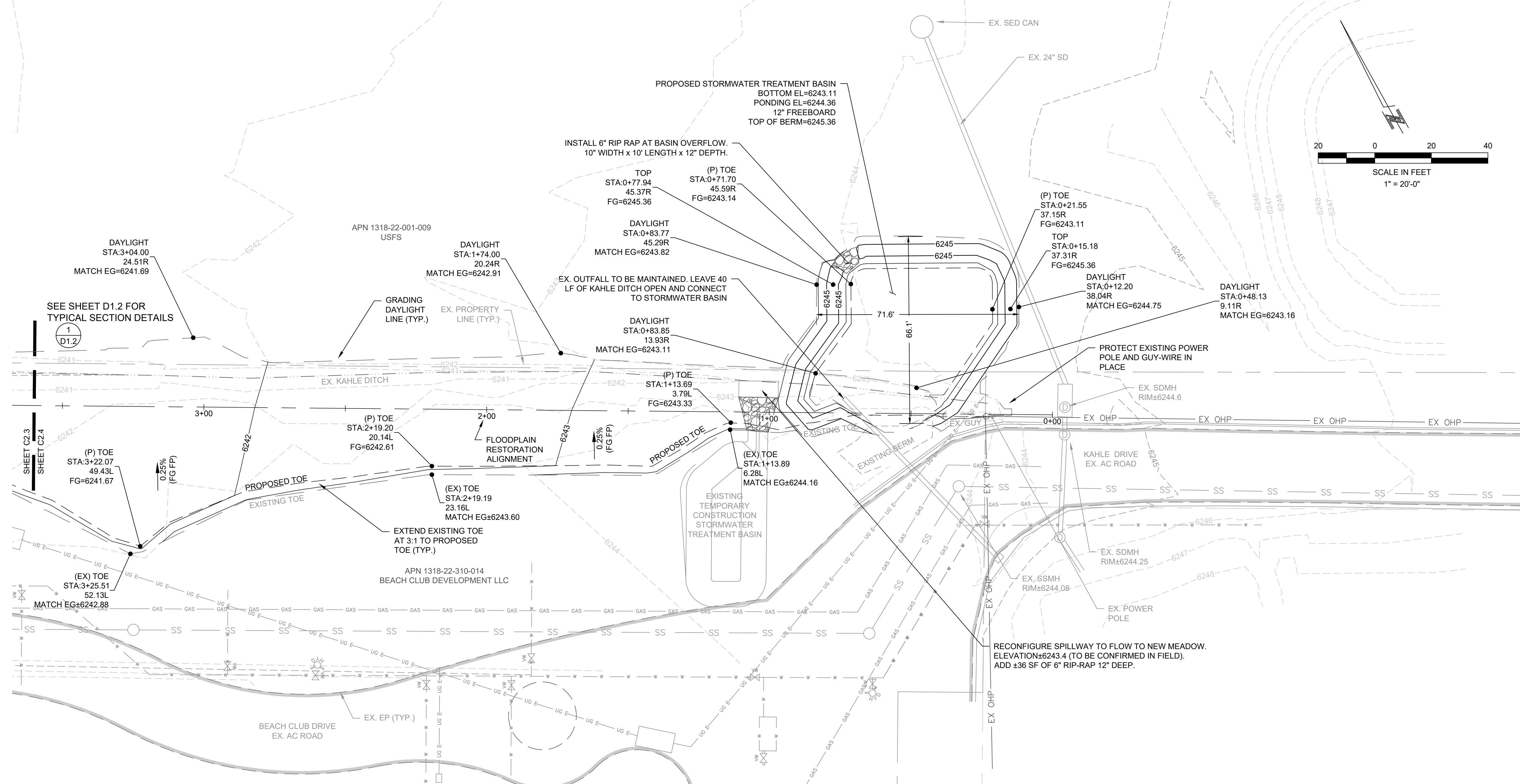


PROPOSED FLOODPLAIN PROFILE
 HORIZONTAL SCALE: 1" = 20', VERTICAL SCALE: 1" = 2'

**BID SET
 NOT FOR CONSTRUCTION**



GRADING PLAN
 BURKE CREEK RABE MEADOW RESTORATION



PROPOSED FLOODPLAIN PROFILE
 HORIZONTAL SCALE: 1" = 20', VERTICAL SCALE: 1" = 2'

BID SET
 NOT FOR CONSTRUCTION



DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	C2.4
	13 OF 23

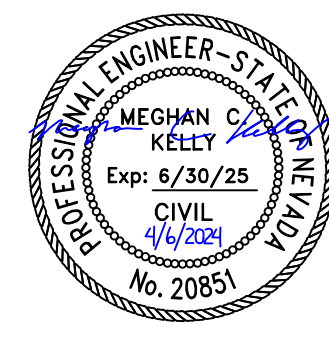
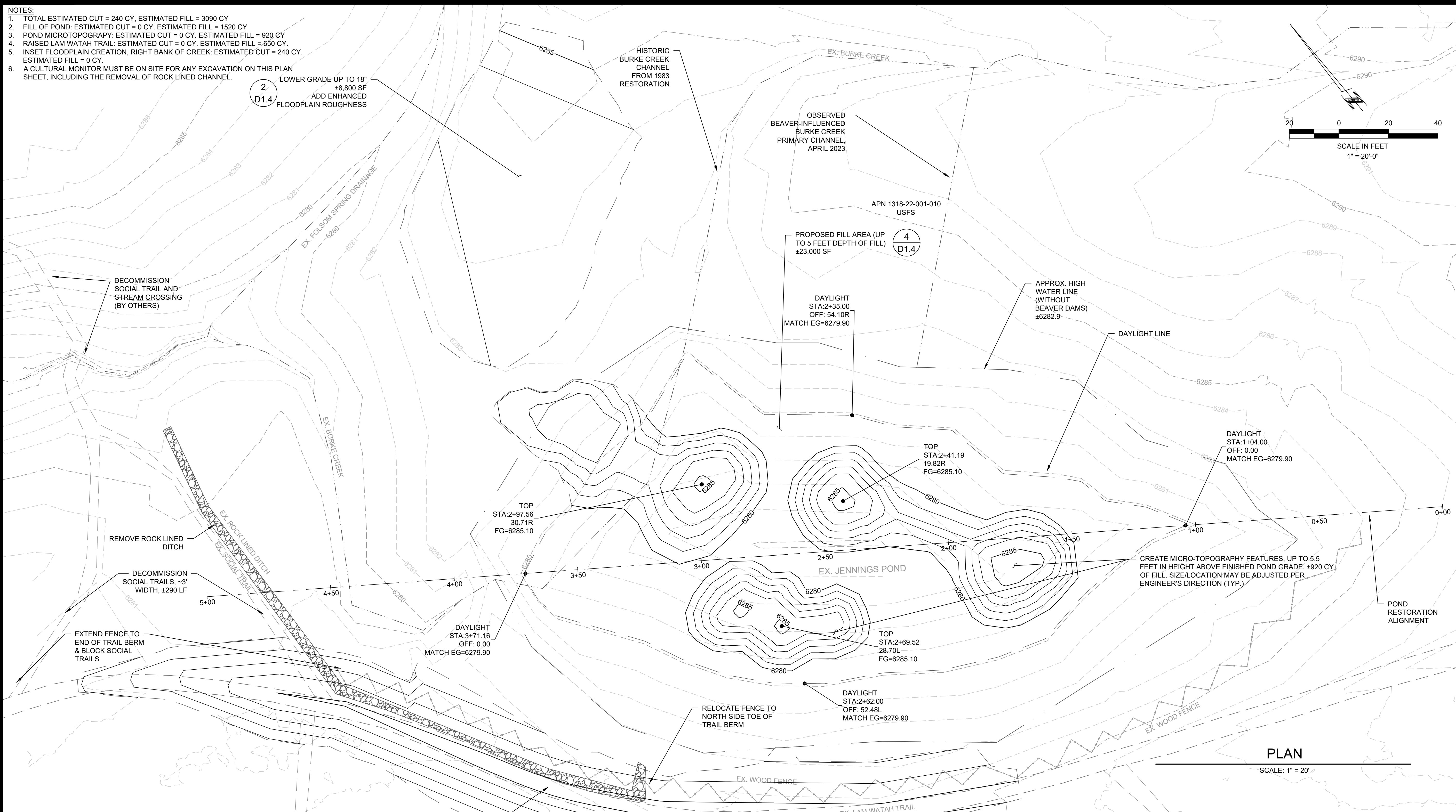
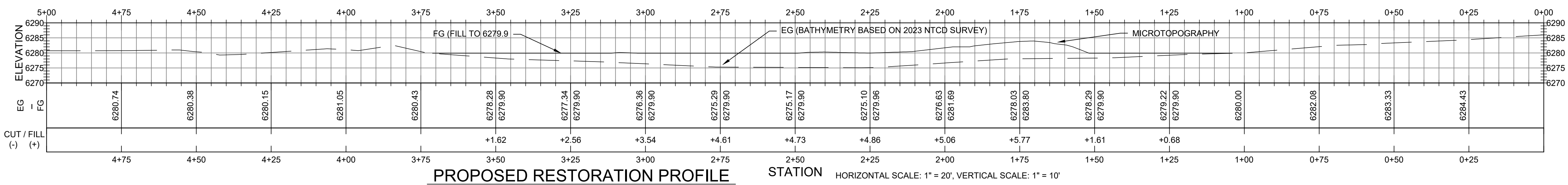
- NOTES:**
- TOTAL ESTIMATED CUT = 240 CY, ESTIMATED FILL = 3090 CY
 - FILL OF POND: ESTIMATED CUT = 0 CY, ESTIMATED FILL = 1520 CY
 - POND MICROTOPOGRAPHY: ESTIMATED CUT = 0 CY, ESTIMATED FILL = 920 CY
 - RAISED LAM WATAH TRAIL: ESTIMATED CUT = 0 CY, ESTIMATED FILL = 650 CY
 - INSET FLOODPLAIN CREATION, RIGHT BANK OF CREEK: ESTIMATED CUT = 240 CY, ESTIMATED FILL = 0 CY
 - A CULTURAL MONITOR MUST BE ON SITE FOR ANY EXCAVATION ON THIS PLAN SHEET, INCLUDING THE REMOVAL OF ROCK LINED CHANNEL.

2
D1.4
LOWER GRADE UP TO 18"
±8,800 SF
ADD ENHANCED
FLOODPLAIN ROUGHNESS

4
D1.4
PROPOSED FILL AREA (UP
TO 5 FEET DEPTH OF FILL)
±23,000 SF

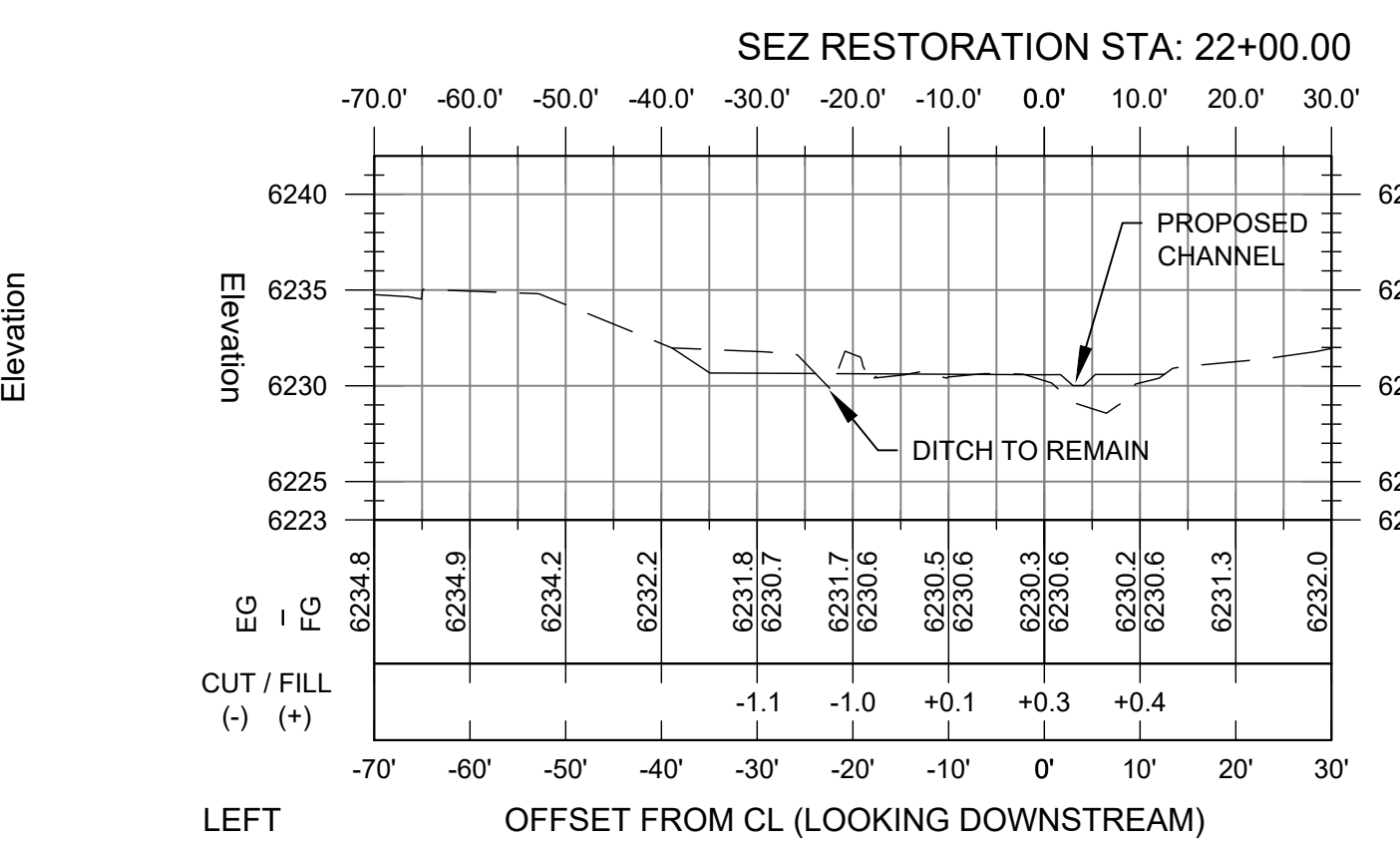
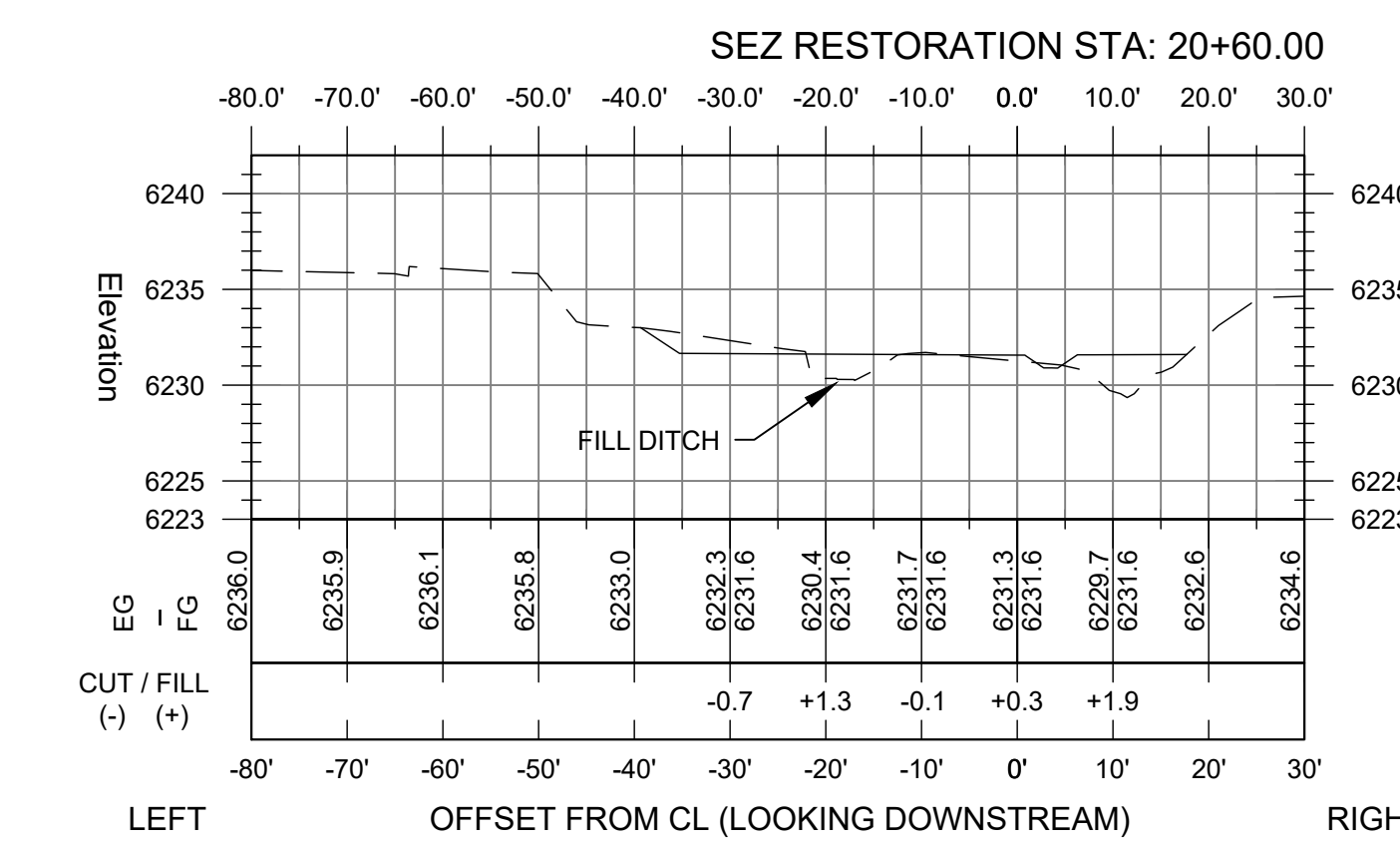
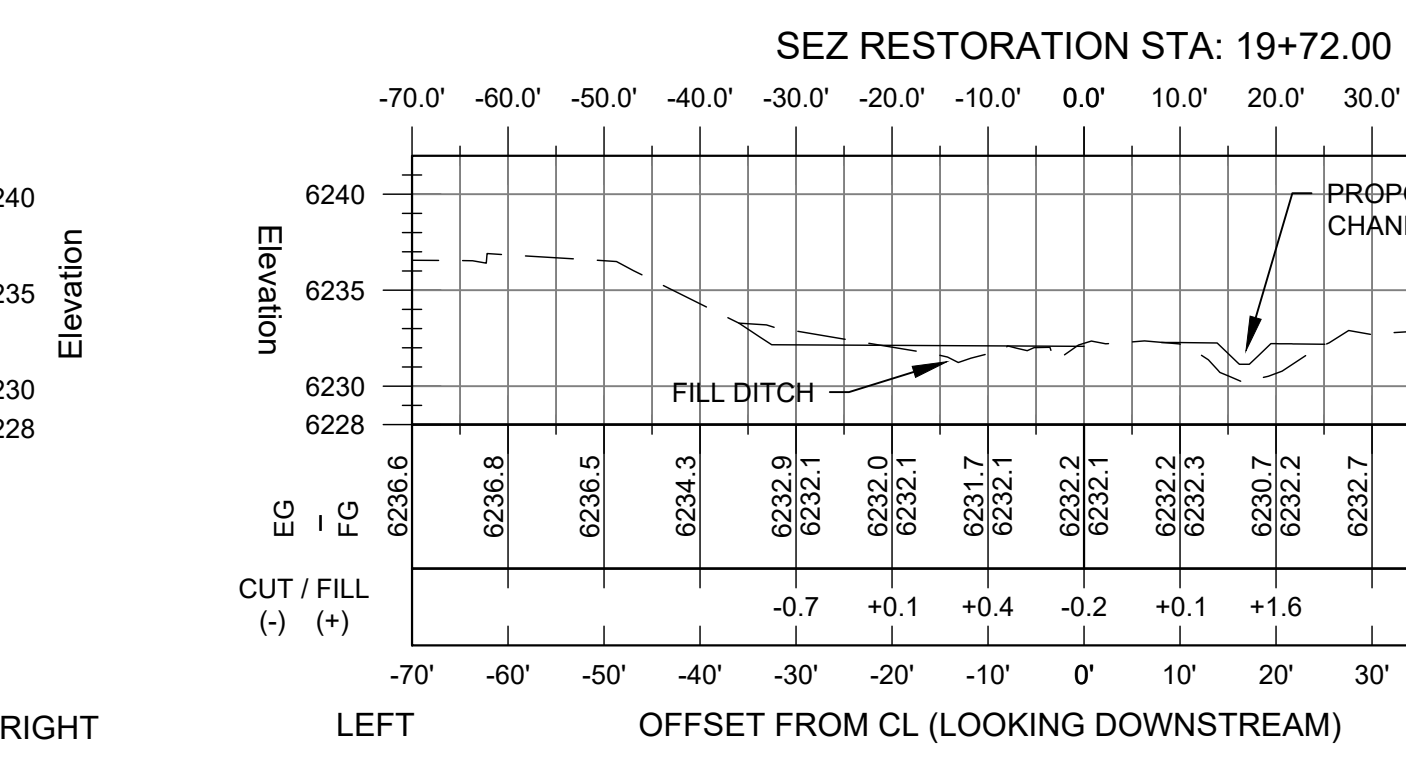
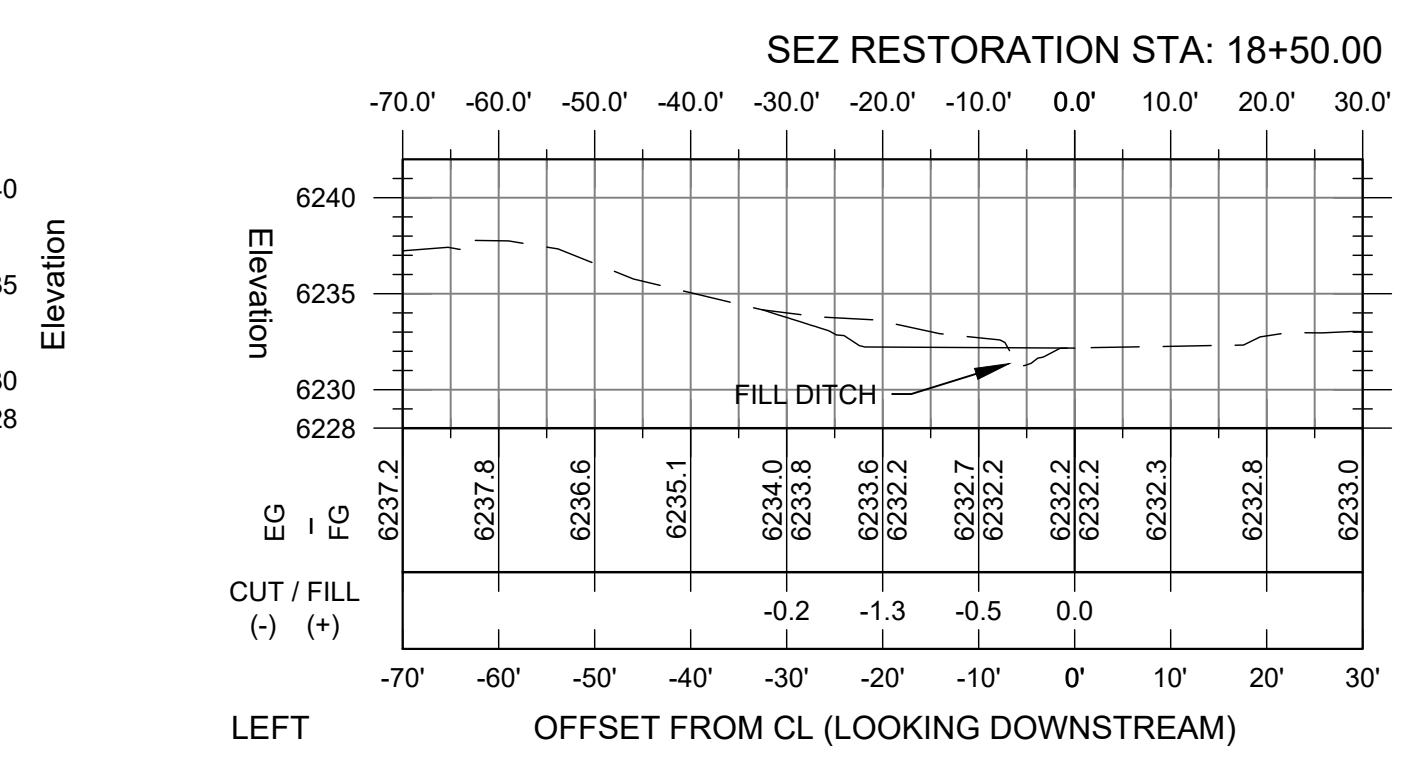
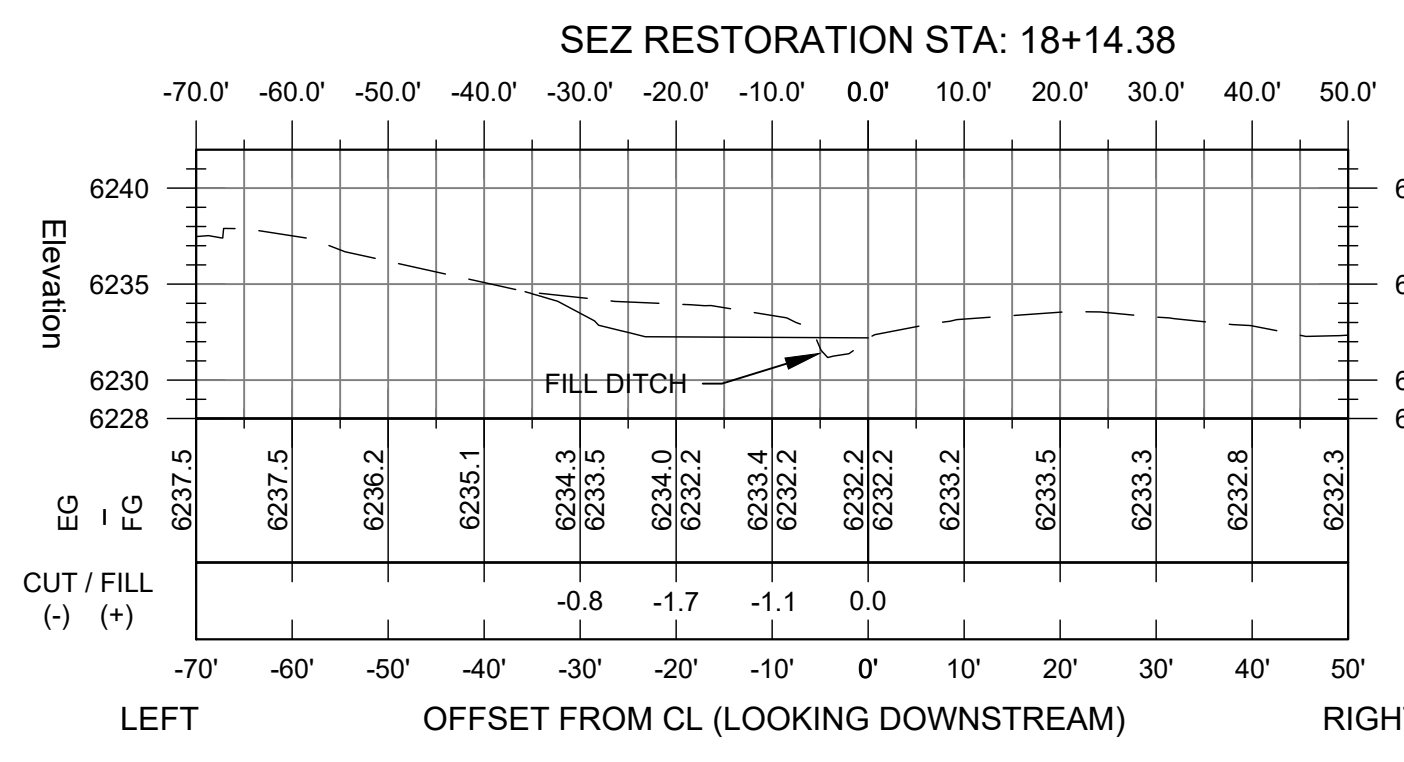
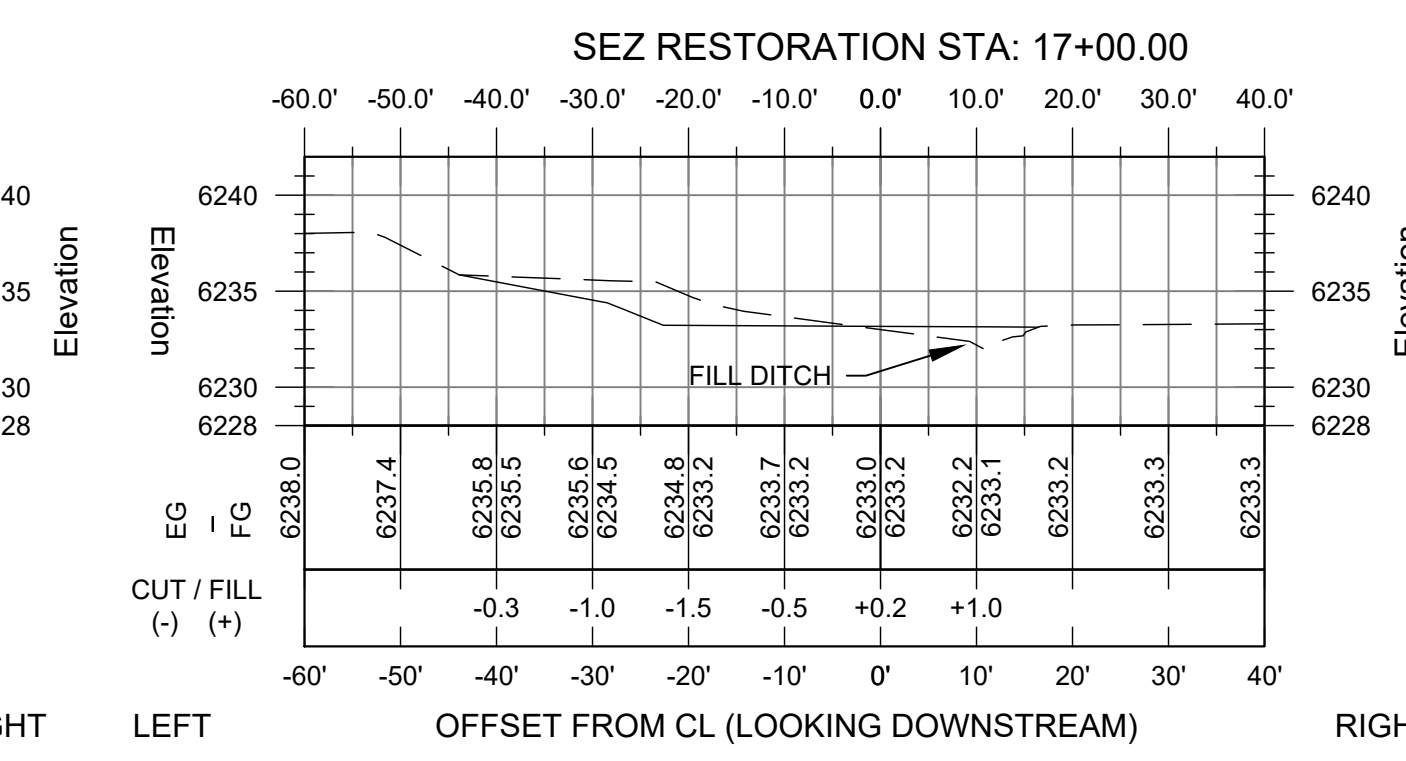
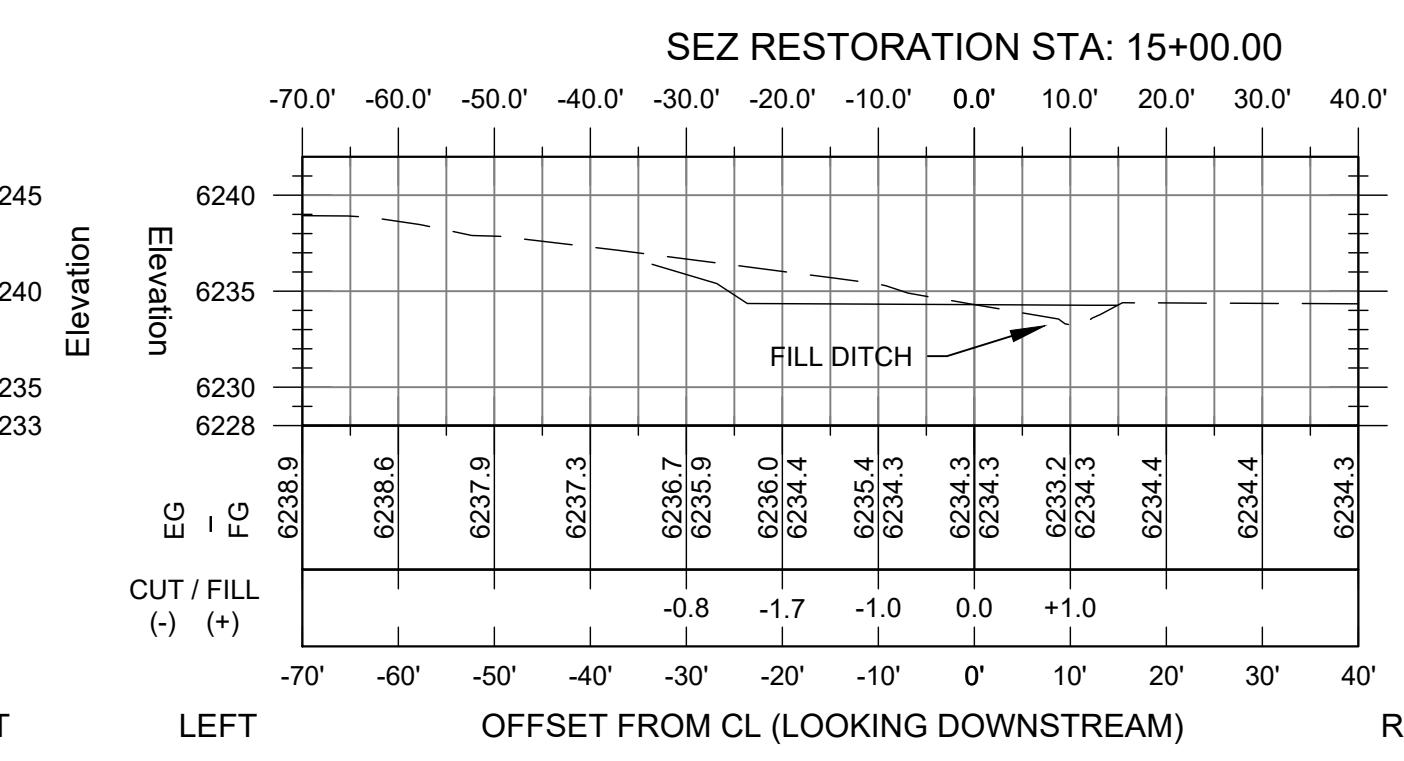
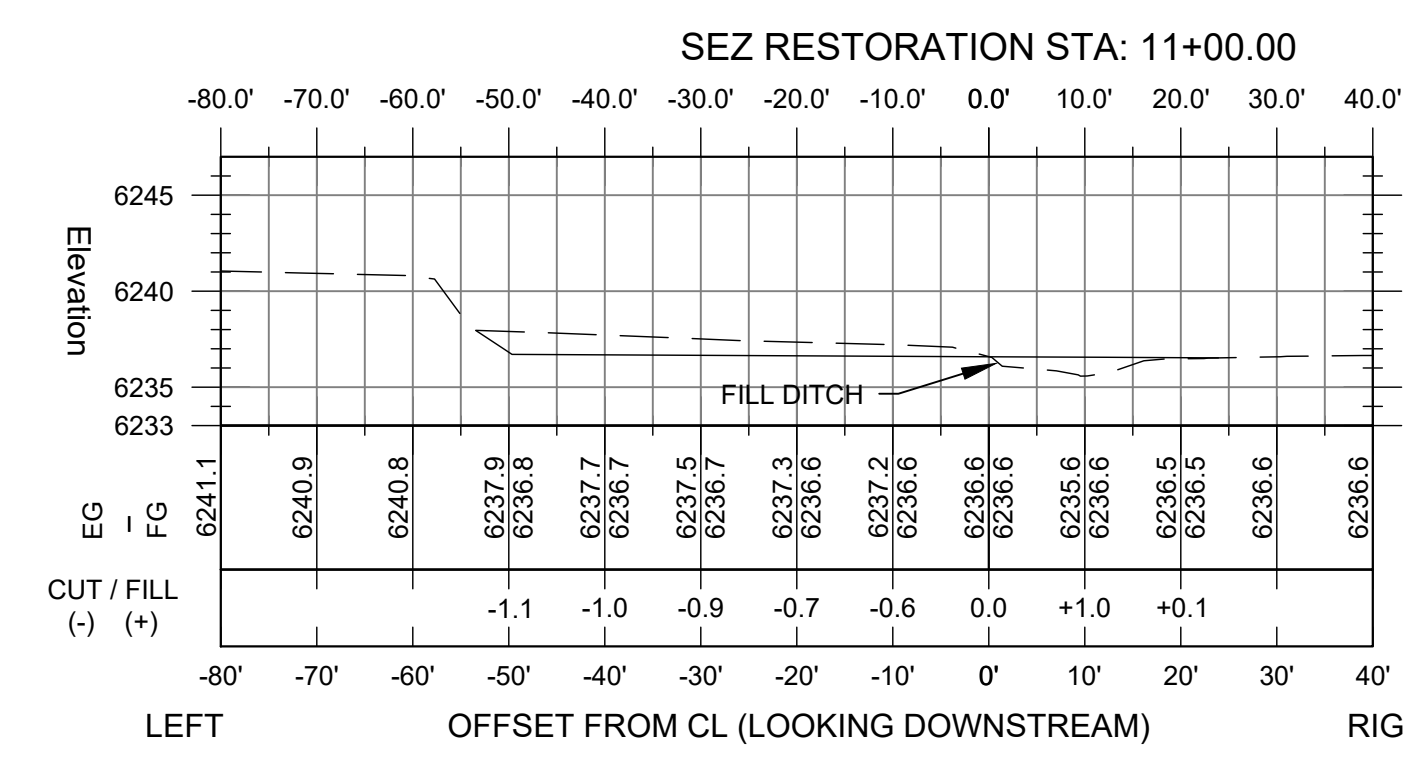
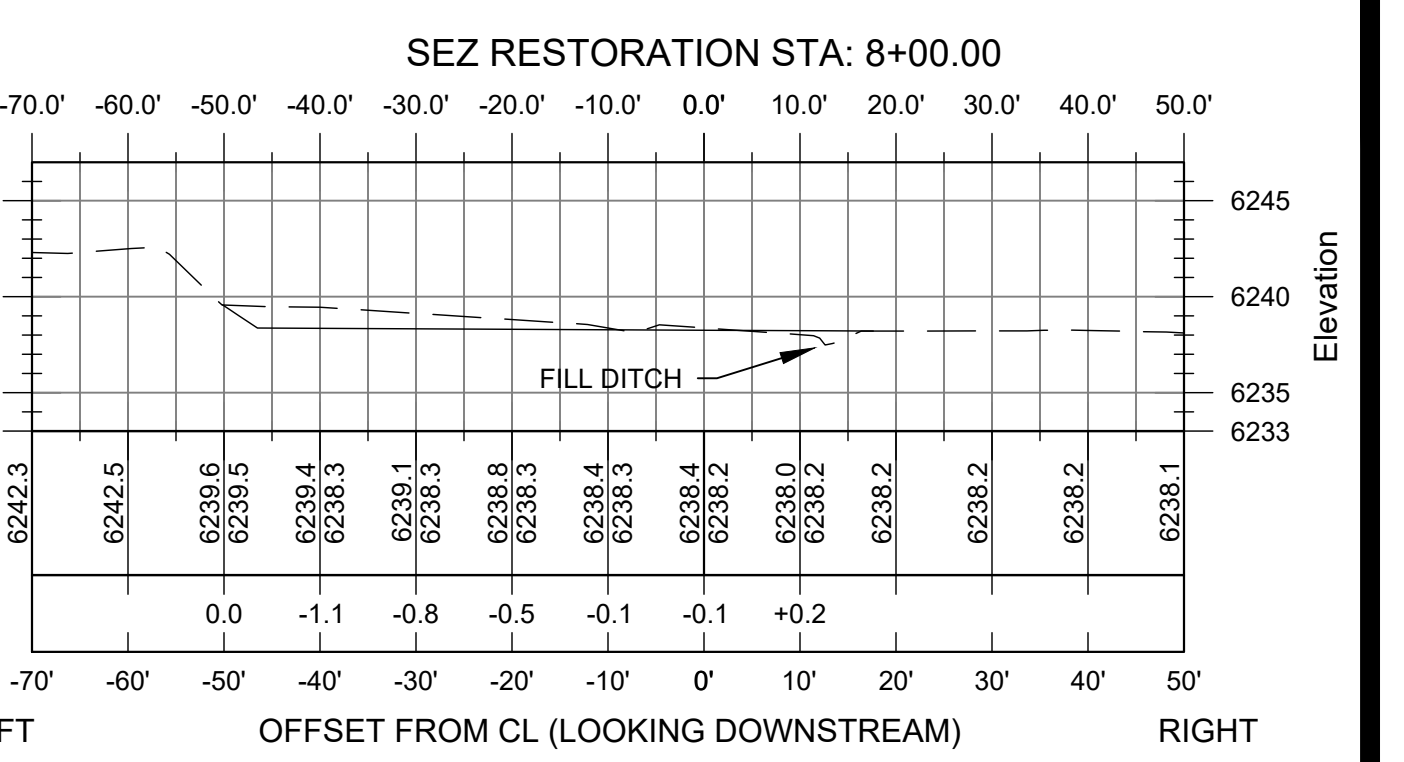
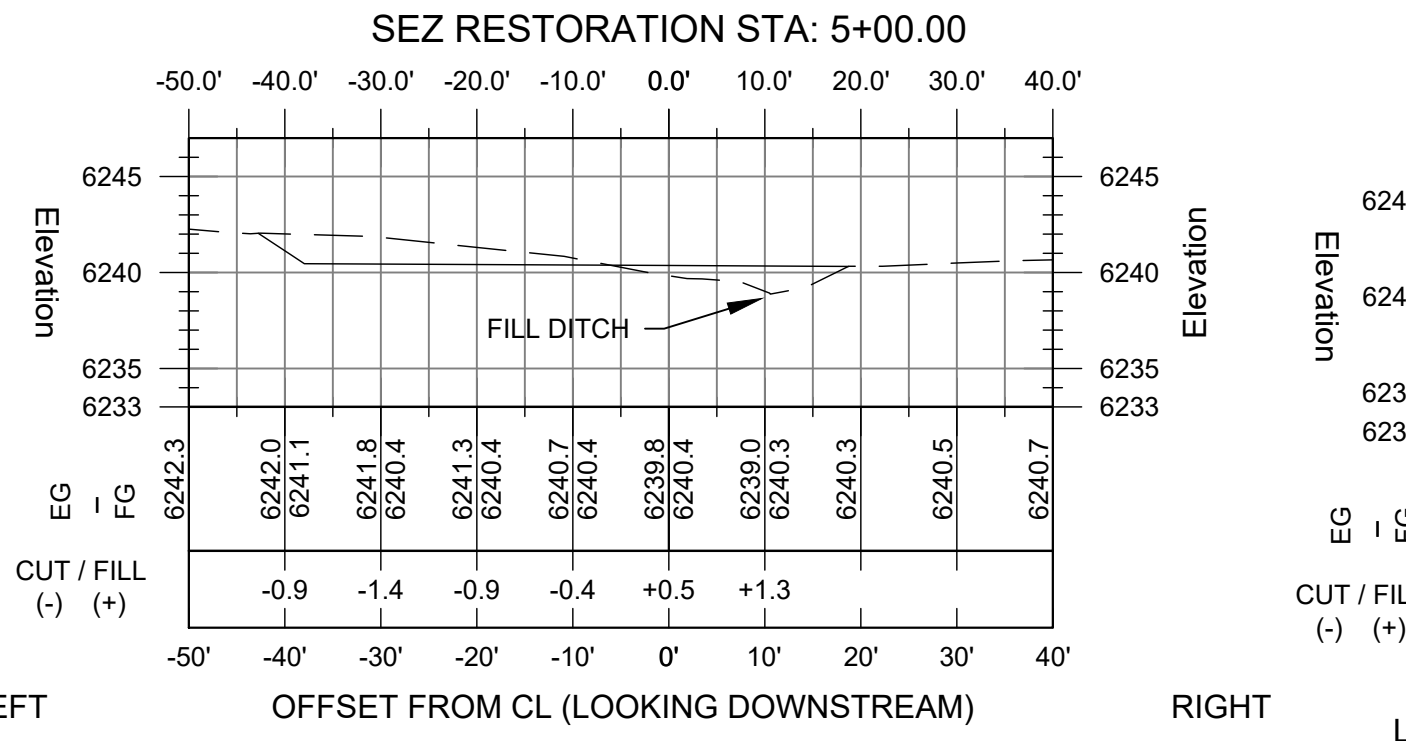
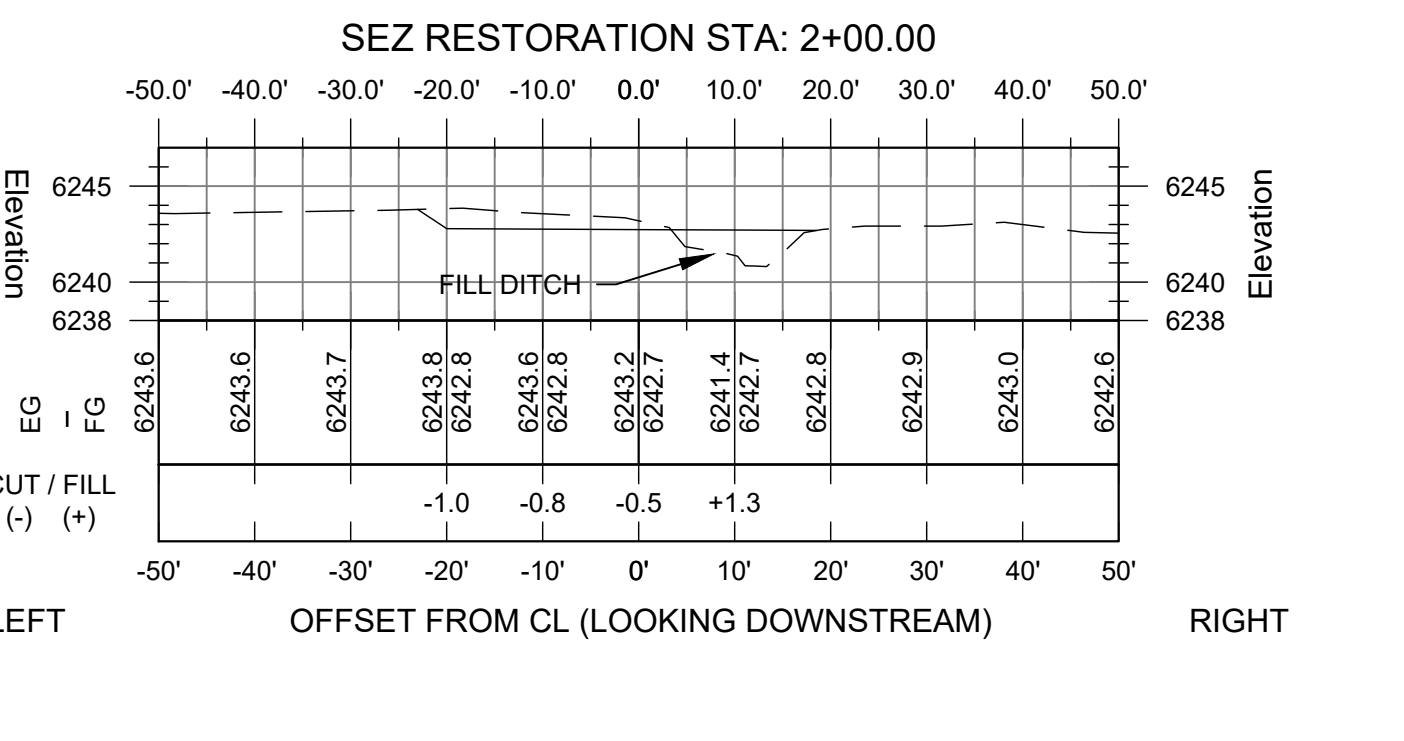
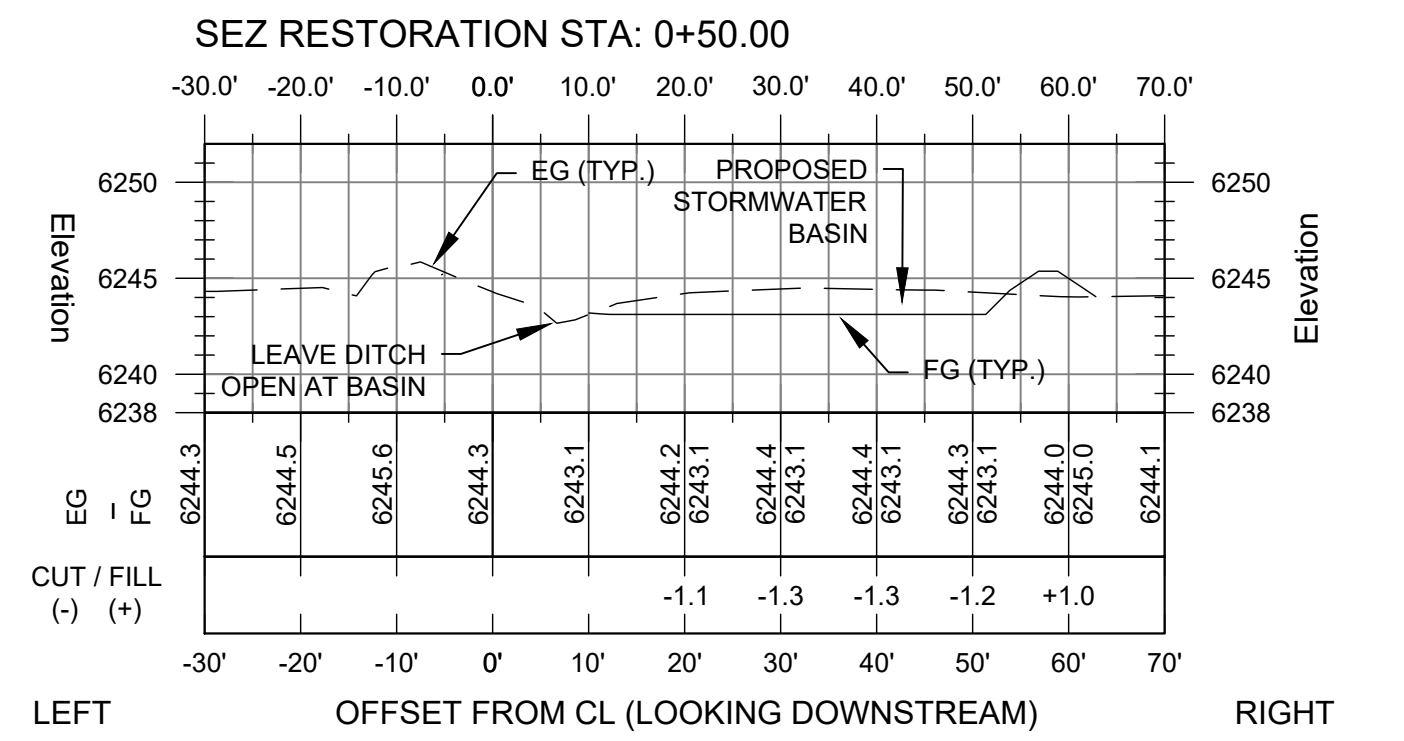
1
D1.4
RAISE 390 LF OF LAM WATAH
TRAIL, UP TO 48". GRADE
SOUTH SIDE 4:1. GRADE NORTH
SIDE 8:1.

**BID SET:
NOT FOR CONSTRUCTION**

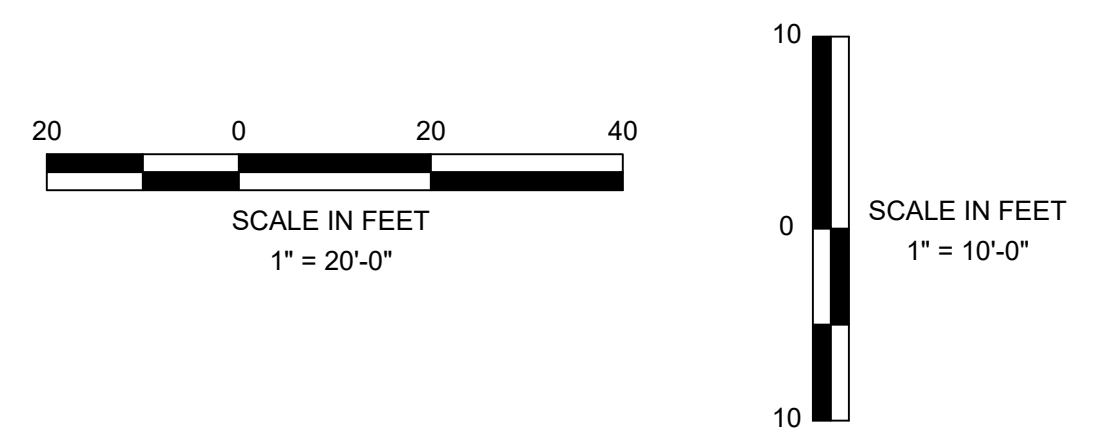


**GRADING PLAN - JENNINGS POND
BURKE CREEK RABE MEADOW RESTORATION**

DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	C3.0 14 OF 23



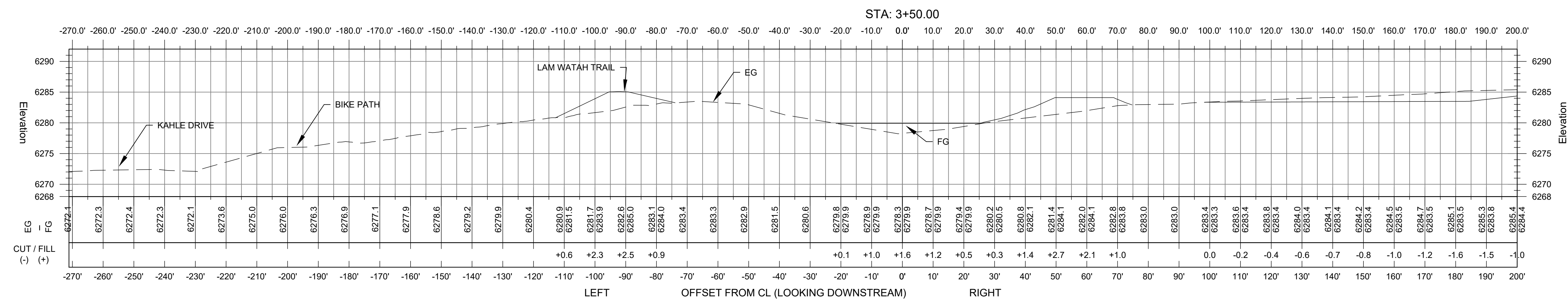
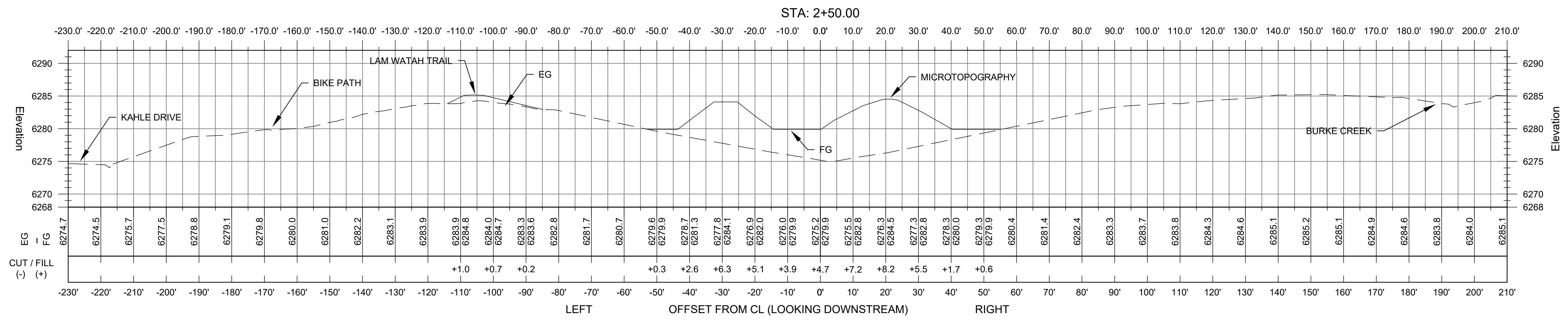
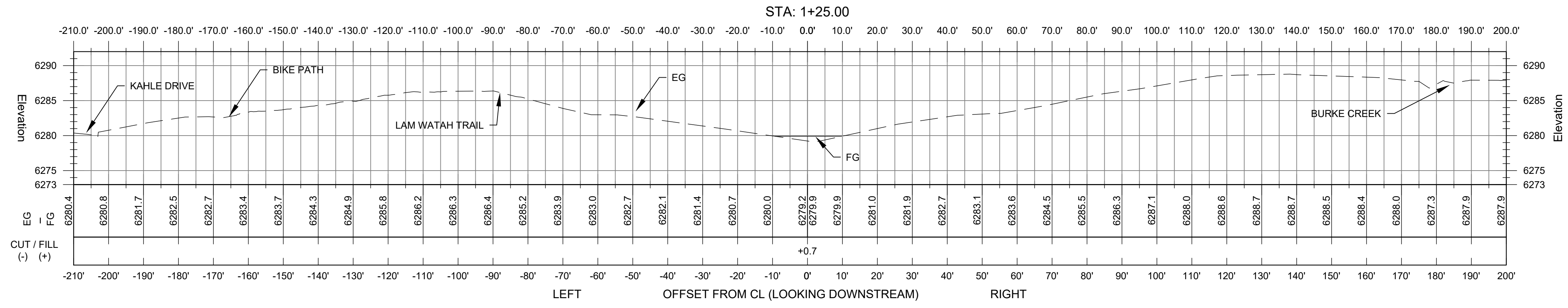
PROPOSED CROSS-SECTIONS
HORIZONTAL SCALE: 1"=20', VERTICAL SCALE: 1"=10', H:V=1:2



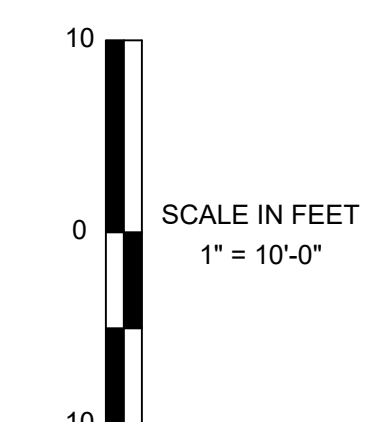
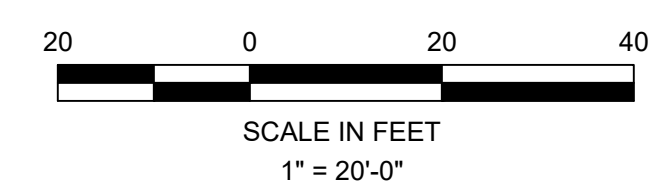
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DESIGNED/DRAWN PJ
CHECKED BY MK
DATE 3/25/2024
SCALE AS SHOWN
PROJECT BCRMRRP - BID
SHEET XS1.0 15 OF 23



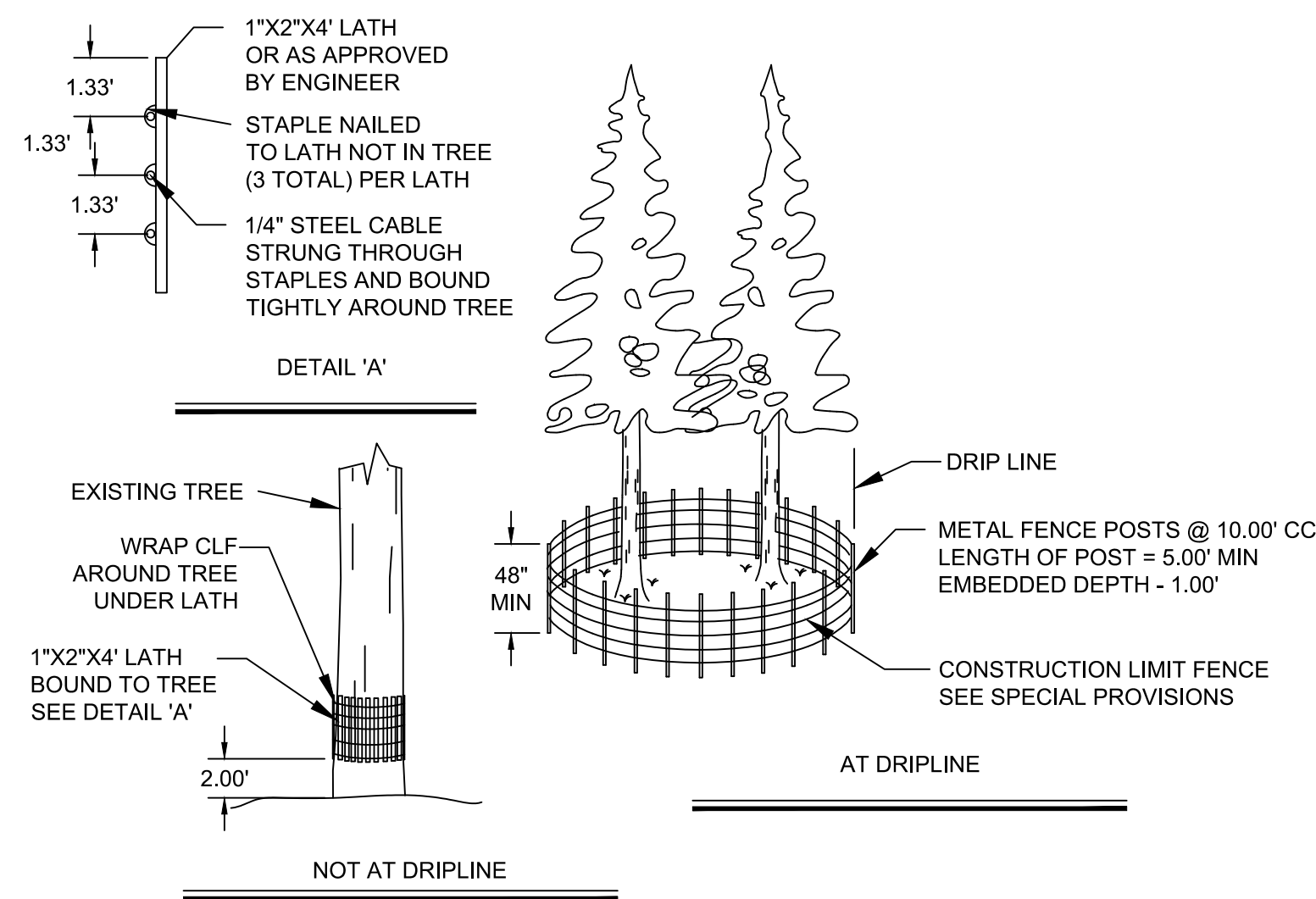
PROPOSED CROSS-SECTIONS
HORIZONTAL SCALE: 1"=20', VERTICAL SCALE: 1"=10', H:V=1:2



BID SET
NOT FOR CONSTRUCTION



DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	XS1.1
	16 OF 23

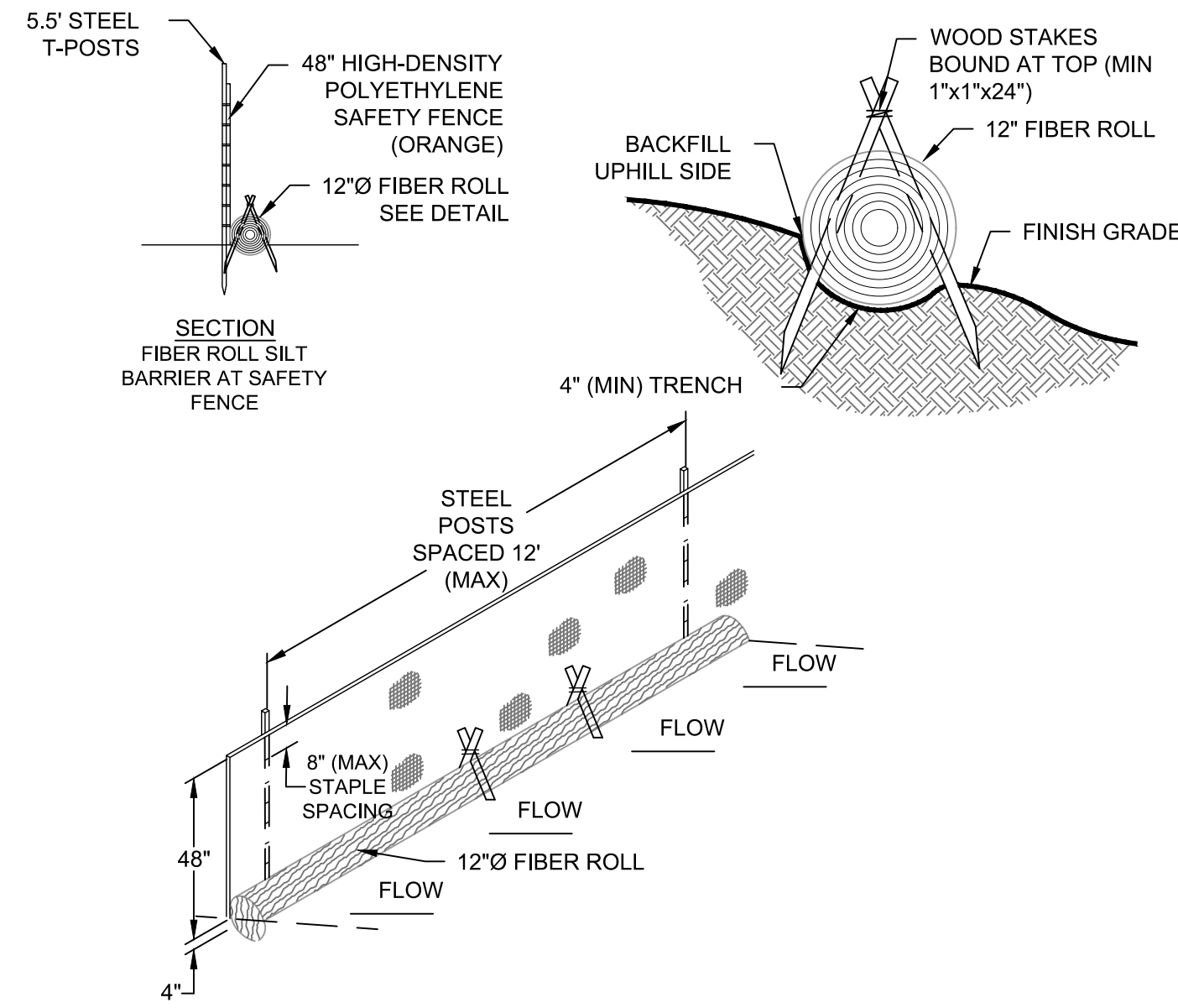


- NOTE:
1. CLF AND TREE PROTECTION FENCE SHALL BE A MINIMUM OF 48" HIGH. FOR TREES WITH DRIPLINES THAT OVERHANG THE CONSTRUCTION AREAS, THE LOCATION OF THE TREE PROTECTION FENCE SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER AND/OR THE TRPA AT THE PREGRADE MEETING.
 2. THE DETAIL SHOWN IS FOR TREE PROTECTION. MATERIAL AND SPACING SHOWN ALSO APPLIES TO CLF.
 3. QUANTITY OF FILTER FENCE AND CONSTRUCTION LIMIT FENCE DOES NOT INCLUDE MINIMUM LIMITS FOR TREE PROTECTION. TREE PROTECTION FENCING TO BE PER DETAIL THIS SHEET AND/OR AS DETERMINED IN THE FIELD.

CONSTRUCTION LIMIT FENCE & TREE PROTECTION

SCALE: N.T.S.

1
D1.0



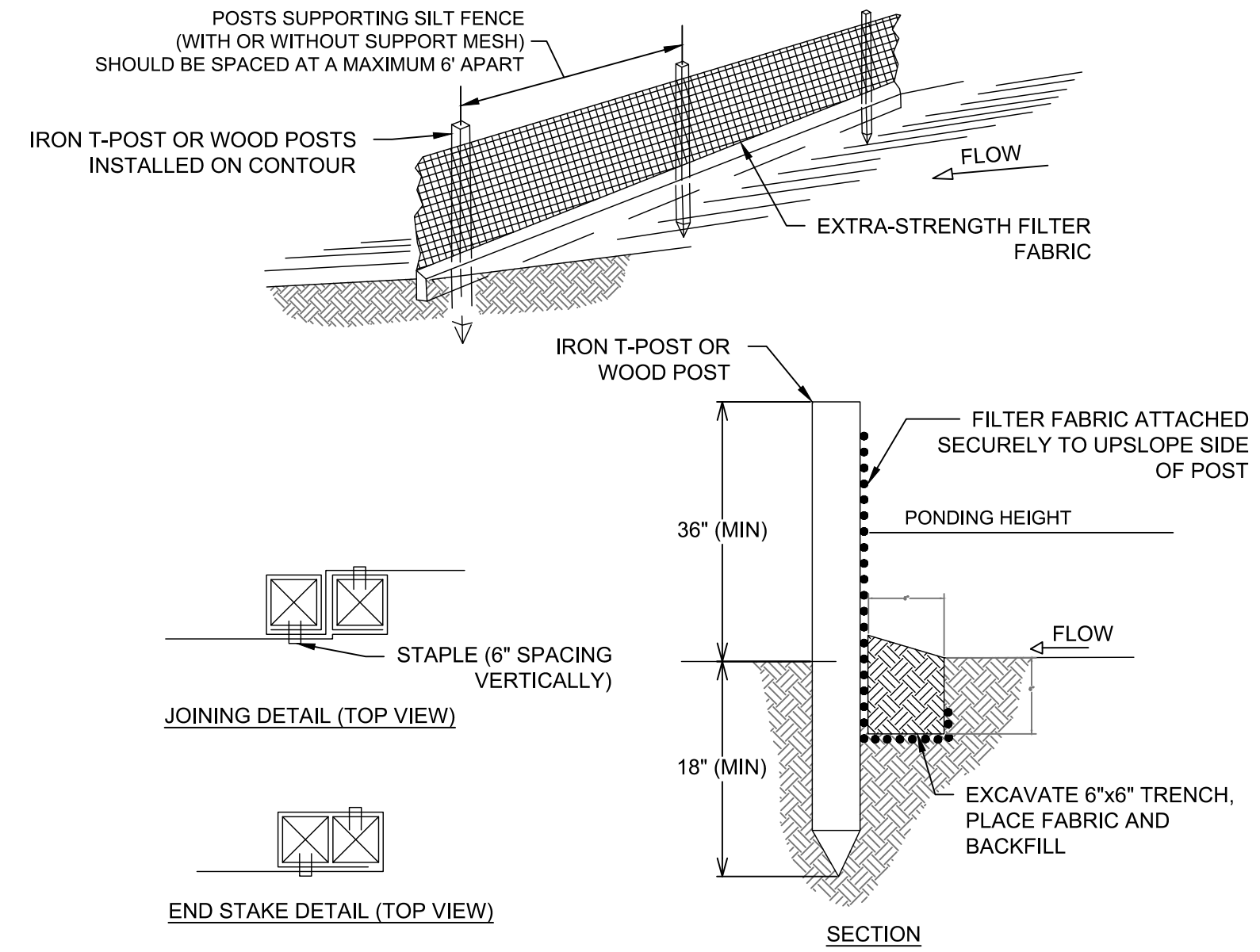
FIBER ROLL SILT BARRIER

- FIBER ROLL NOTES:
1. FIBER ROLL SHALL NOT BE MADE FROM STRAW. FIBER ROLLS SHALL BE BOUND BY HIGH STRENGTH COIR NETTING, AND HAVE A MINIMUM WEIGHT OF 5 LBS PER LINEAL FOOT.
 2. ORANGE SAFETY FENCE IS INTENDED TO PROTECT FIBER ROLLS FROM COMPRESSION BY VEHICLES, CONSTRUCTION EQUIPMENT, EXT. FENCES SHALL BE HIGH DENSITY POLYETHYLENE WITH A MESH OPENING OF APPROXIMATELY 1 INCH BY 4 INCHES AND A MINIMUM HEIGHT OF 4 FEET. SAFETY FENCE MAY BE OMITTED IN LOW TRAFFIC AREAS.
 3. FIBER ROLL SILT BARRIER SHALL BE INSTALLED ALONG CONTOUR AND ON SLOPES 5H:1V OR FLATTER UNLESS OTHERWISE APPROVED BY TRPA.
 4. THE INSTALLATION CONFIGURATION SHALL PREVENT RUNOFF FROM LEAVING THE SITE OR ENTERING A WATERCOURSE WITHOUT PASSING THROUGH A SILT BARRIER.
 5. THE MAXIMUM LENGTH OF SLOPE DRAINING TO THE SILT BARRIER SHALL BE 100 FEET.
 6. FIBER ROLL SHALL BE INSTALLED BY SHAPING A 4 INCH DEEP FURROW TO MATCH THE SHAPE OF THE LOG, SECURING IN FURROW WITH WOOD STAKES, AND TAMPING THE GROUND AROUND THE FIBER ROLL TO FILL VOIDS BETWEEN THE LOG AND THE GROUND.

FIBER ROLL SILT BARRIER

SCALE: N.T.S.

2
D1.0



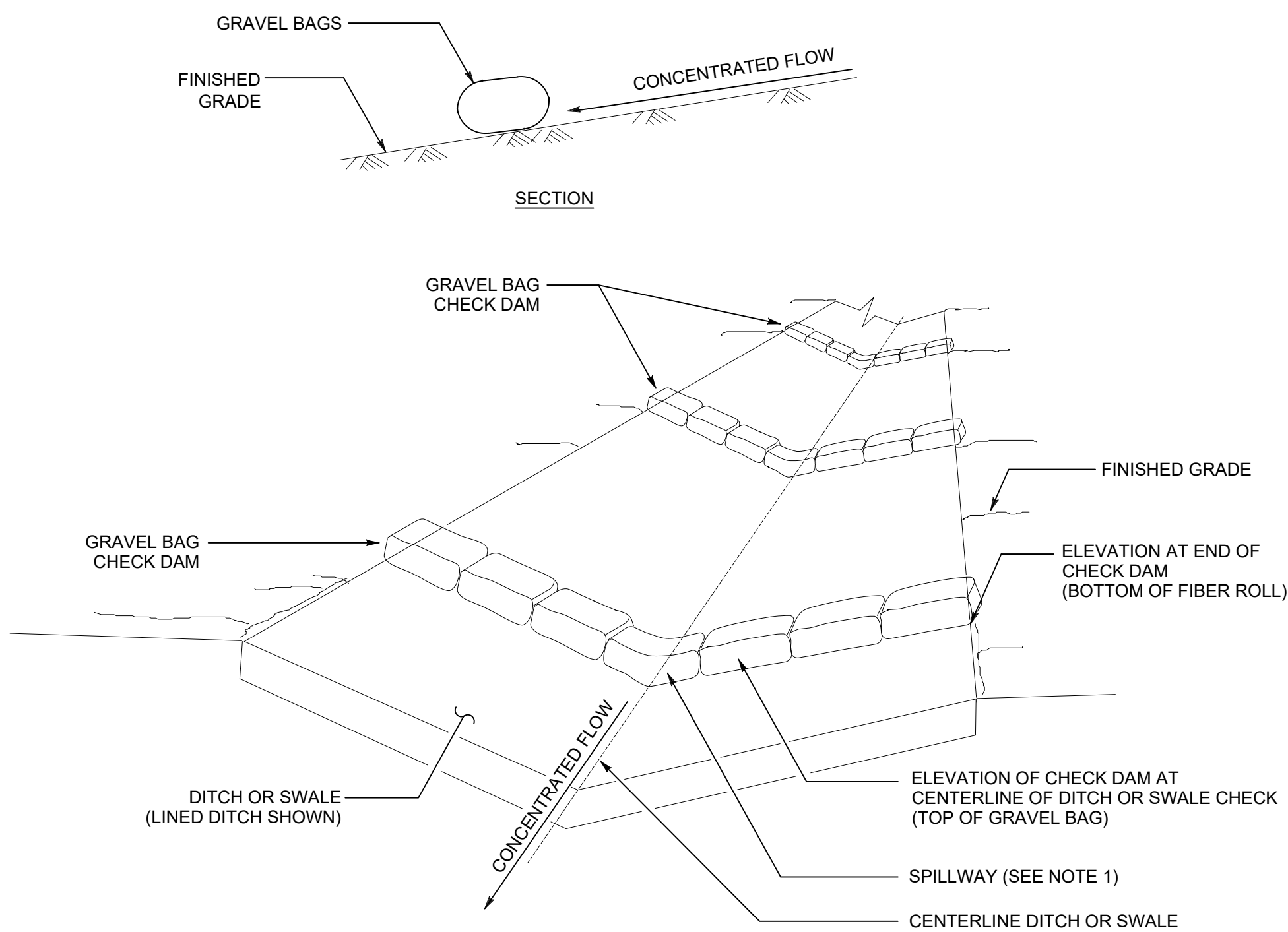
SILT FENCE NOTES:

1. USED IN AREAS WHERE SHEET FLOW OCCURS.
2. DO NOT USE IN STREAMS, CHANNELS, OR ANYWHERE FLOW IS CONCENTRATED. DO NOT USE SILT FENCES TO DIVERT FLOW.
3. DO NOT USE BELOW SLOPES SUBJECT TO CREEP, SLUMPING, OR LANDSLIDES.
4. SILT FENCE SHOULD BE WOVEN POLYPROPYLENE WITH A MINIMUM WIDTH OF 36 INCHES AND A MINIMUM TENSILE STRENGTH OF 100 LB FORCE.
5. INSTALL ALONG A LEVEL CONTOUR SO WATER DOES NOT POND MORE THAN 1.5 FEET AT ANY POINT ALONG THE SILT FENCE.
6. THE MAXIMUM LENGTH OF SLOPE DRAINING TO ANY POINT ALONG THE SILT FENCE SHOULD BE 200 FEET OR LESS.
7. THE MAXIMUM SLOPE PERPENDICULAR TO THE FENCE LINE SHOULD BE 1:1.
8. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND TO ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOES OF SLOPES OR OTHER OBSTRUCTIONS.
9. TURN THE ENDS OF THE FILTER FENCE UPHILL TO CREATE A "J" SHAPE, TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
10. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWN SLOPE FROM THE FENCE WHERE FEASIBLE.
11. SILT FENCES SHOULD REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
12. REMOVE SEDIMENT WHEN DEPOSITS REACH APPROXIMATELY 1/3 HEIGHT OF BARRIER.

FILTER FENCE SILT BARRIER

SCALE: N.T.S.

3
D1.0



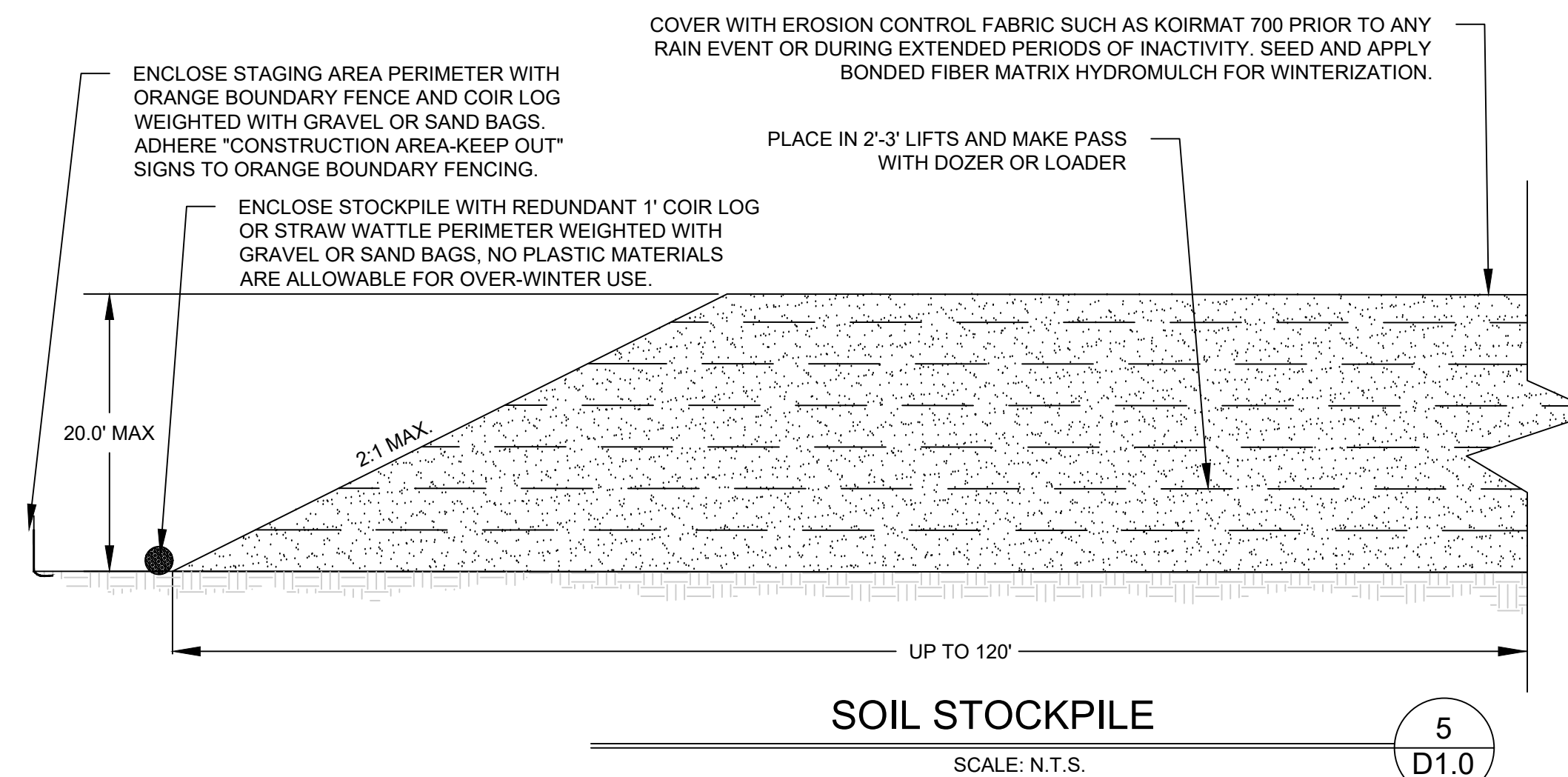
TEMPORARY CHECK DAM NOTES:

1. CHECK DAM DIMENSIONS TO BE VERIFIED BY CIVIL ENGINEER.
2. ONLY CLEAN/WASHED GRAVEL MUST BE USED IN BAGS

TEMPORARY CHECK DAM

SCALE: N.T.S.

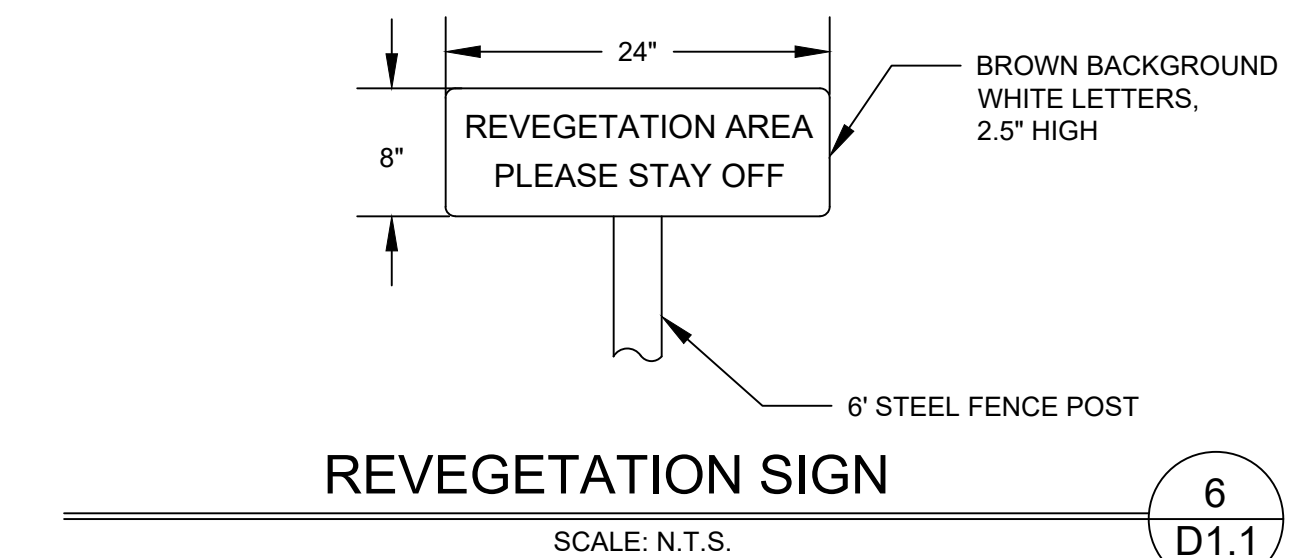
4
D1.0



SOIL STOCKPILE

SCALE: N.T.S.

5
D1.0



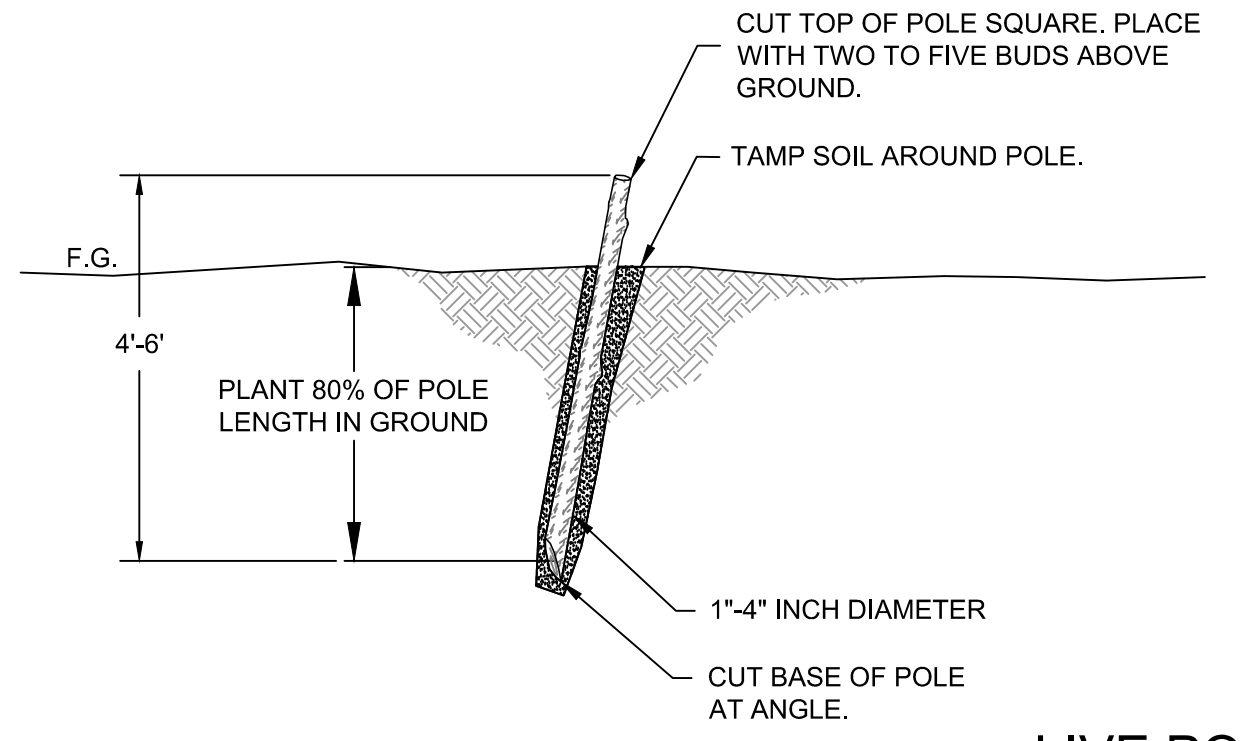
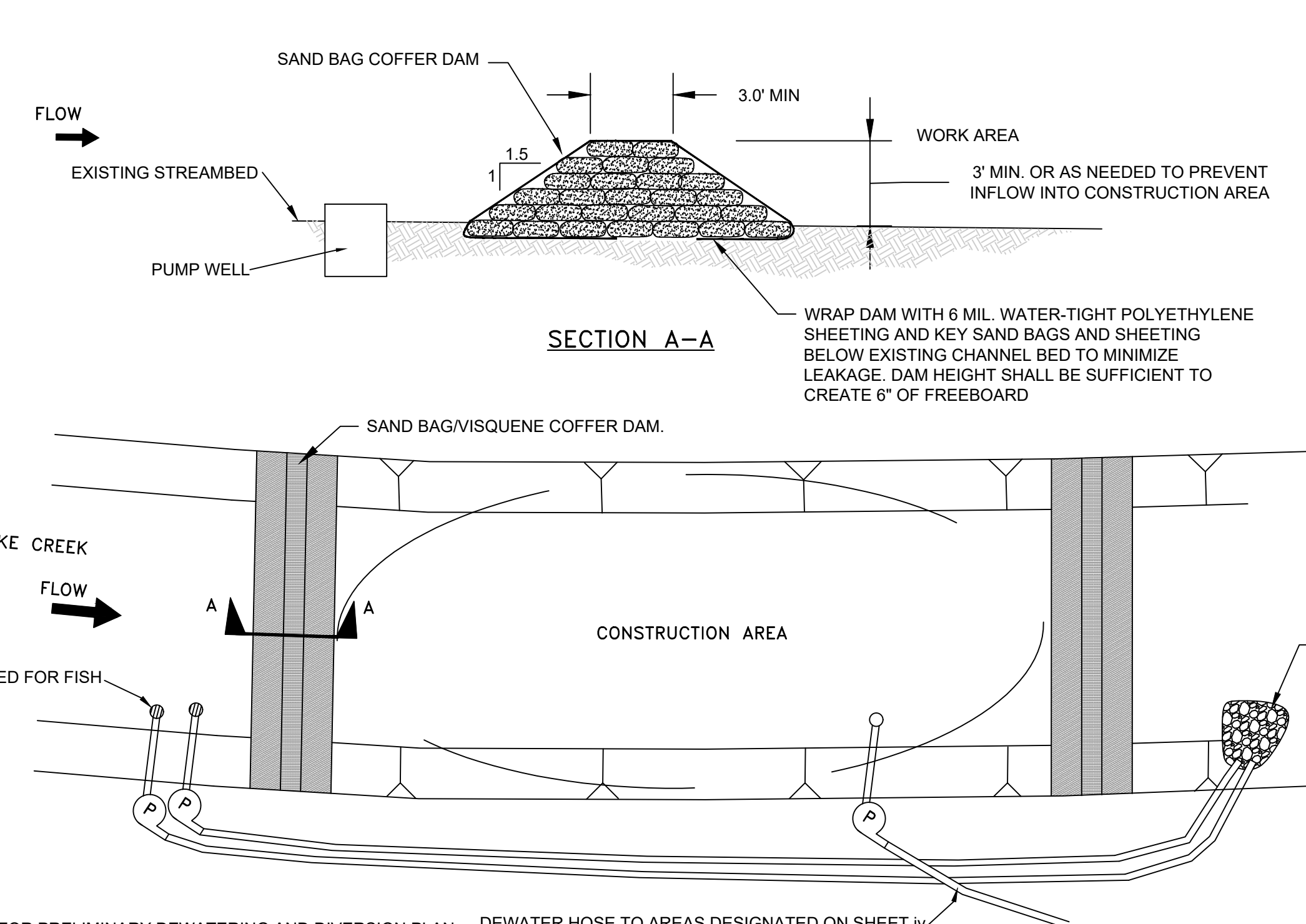
REVEGETATION SIGN

SCALE: N.T.S.

6
D1.1



BID SET
NOT FOR CONSTRUCTION



LIVE POLE NOTES
REVEGETATION AND REPLACEMENT PLANTINGS SHALL CONSIST OF LOCALLY-OBTAINED, NATIVE SPECIES, PER SPECIFICATIONS.

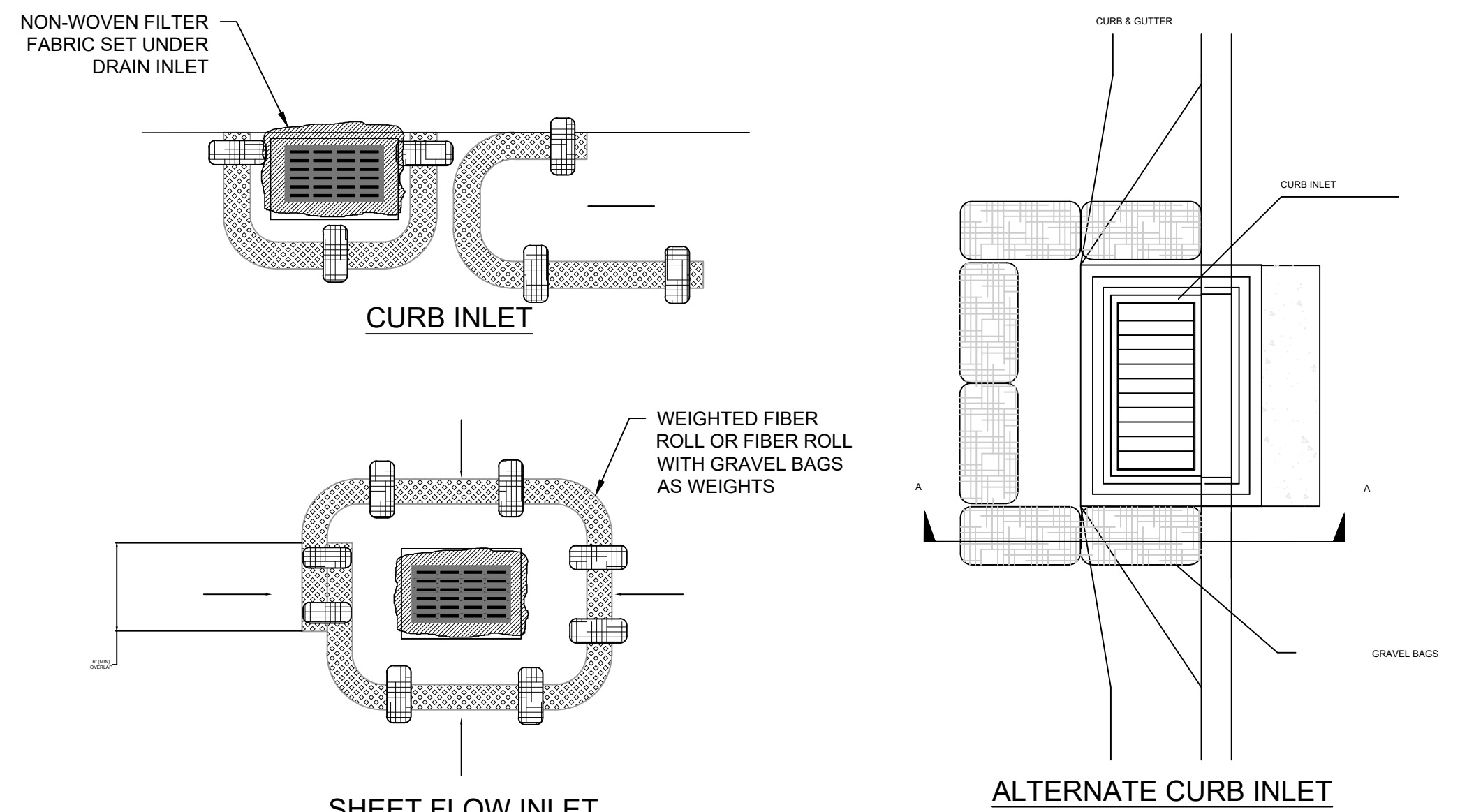
WILLOW PREPARATION
1. POLE CUTTINGS SHALL BE TAKEN WITH SHARP PRUNING SHEARS OR WITH A SHARP SAW BLADE, WITHOUT CAUSING INJURY TO THE BARK OR SPLITTING OF THE ENDS. THE BUTT END OF THE CUTTING SHALL BE ANGLED AND THE TOP END SHALL BE SQUARE.
2. POLES SHALL BE FROM 4 TO 6 FOOT IN LENGTH AND 1 TO 4 INCHES IN DIAMETER. POLES SHALL BE CUT SO THAT A TERMINAL BUD SCAR IS WITHIN 1 TO 4 INCHES OF THE TOP. AT LEAST 2 BUDS AND/OR BUD SCARS SHALL BE ABOVE THE GROUND AFTER PLANTING. SIDE BRANCHES SHALL BE CUT WITH SHARP PRUNING SHEARS, FLUSH WITH POLE, WITHOUT CAUSING INJURY TO BUDS.

INSTALLATION
1. LIVE POLES SHALL BE INSTALLED ON THE SAME DAY AS CUT OR SOAKED/FULLY EMERGED IN WATER IMMEDIATELY AFTER HARVESTING UNTIL PLANTING PRIOR TO INSTALLATION.
2. THE POLE SHALL BE INSTALLED AS DEEP AS POSSIBLE INTO THE SOIL, PREFERABLY WITH 80% OF ITS LENGTH IN CONTACT WITH NATIVE SOIL. USE OF A PILOT BAR MAY HELP WITH INSTALLATION.
3. SPECIAL CARE SHALL BE TAKEN TO NOT DAMAGE THE BUDS, SPLIT POLE ENDS, OR STRIP THE BARK DURING INSTALLATION.

LIVE POLE STAKE
SCALE: N.T.S. **2** D1.1

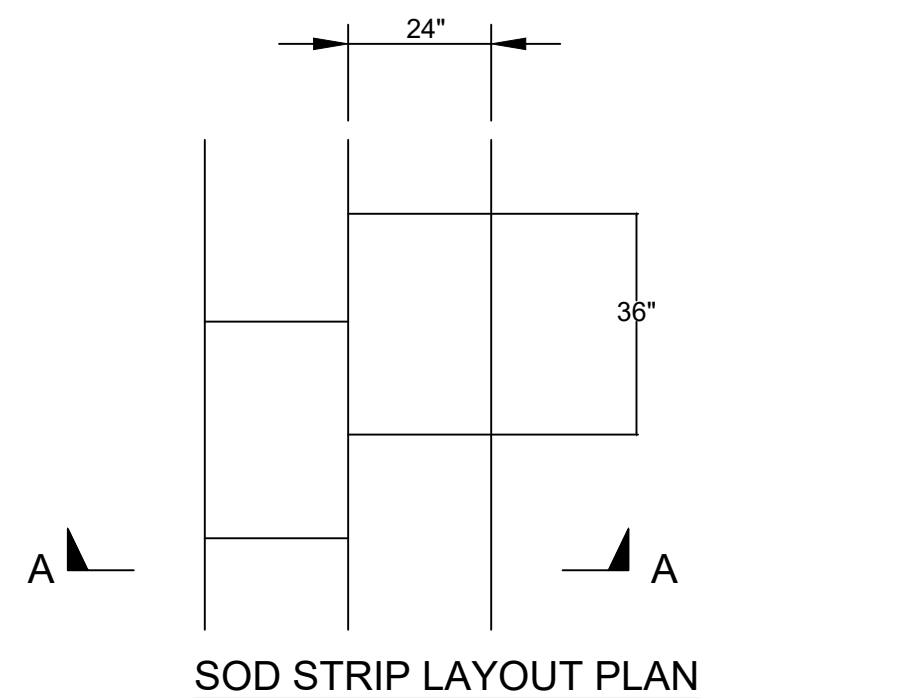
DIVERSION NOTES:
1. SEE SPECIAL TECHNICAL PROVISIONS FOR PRELIMINARY DEWATERING AND DIVERSION PLAN DEWATER HOSE TO AREAS DESIGNATED ON SHEET IV
2. CONTRACTOR RESPONSIBLE TO FINALIZE SWPPP AND DEWATERING AND DIVERSION PLAN.
3. CONTRACTOR RESPONSIBLE FOR GAINING FINAL APPROVALS FOR CONSTRUCTION METHODS FOR DIVERSION AND DEWATERING FROM ALL APPLICABLE AGENCIES

DEWATERING DIVERSION
SCALE: N.T.S. **1** D1.1

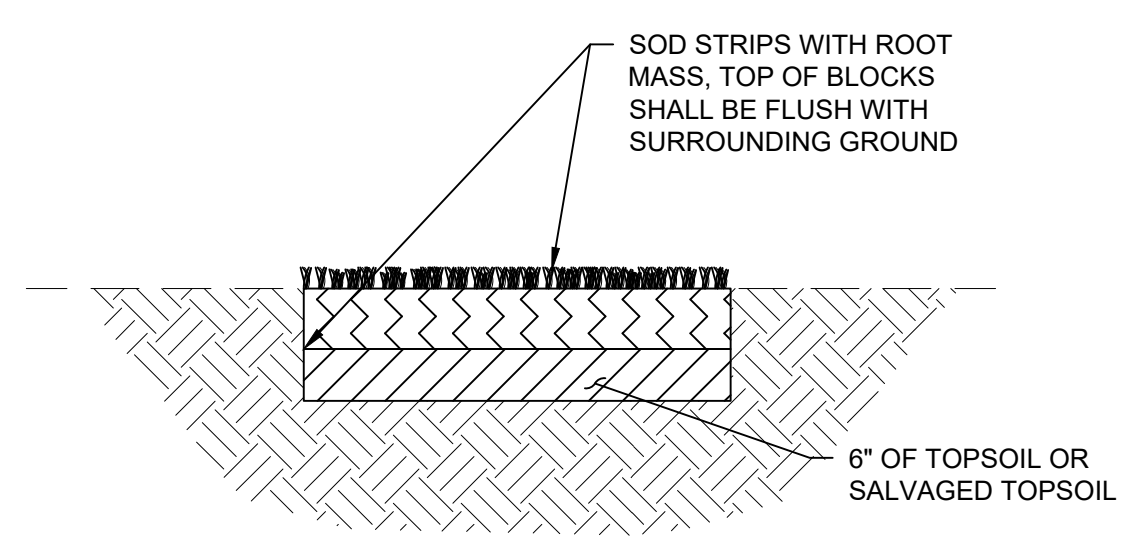


DI PROTECTION NOTES:
1. FIBER ROLLS SHALL NOT BE MADE FROM STRAW, WITH THE EXCEPTION OF WEED-FREE RICE STRAW. FIBER ROLLS SHALL HAVE A MINIMUM WEIGHT OF 2.5 LBS PER LINEAR FOOT. FIBER ROLLS SHALL BE REMOVED AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.
2. GRAVEL BAGS SHALL BE FILLED WITH 3/4" DIA, CLEANED, WASHED GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
3. INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
4. SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
5. IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
6. REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.
7. ADDITIONAL OR OVERLAPPING GRAVEL BAGS MAY BE NECESSARY AS DIRECTED BY ENGINEER FOR PROPER FUNCTIONING OF BMP.

DRAINAGE INLET PROTECTION
SCALE: N.T.S. **3** D1.1

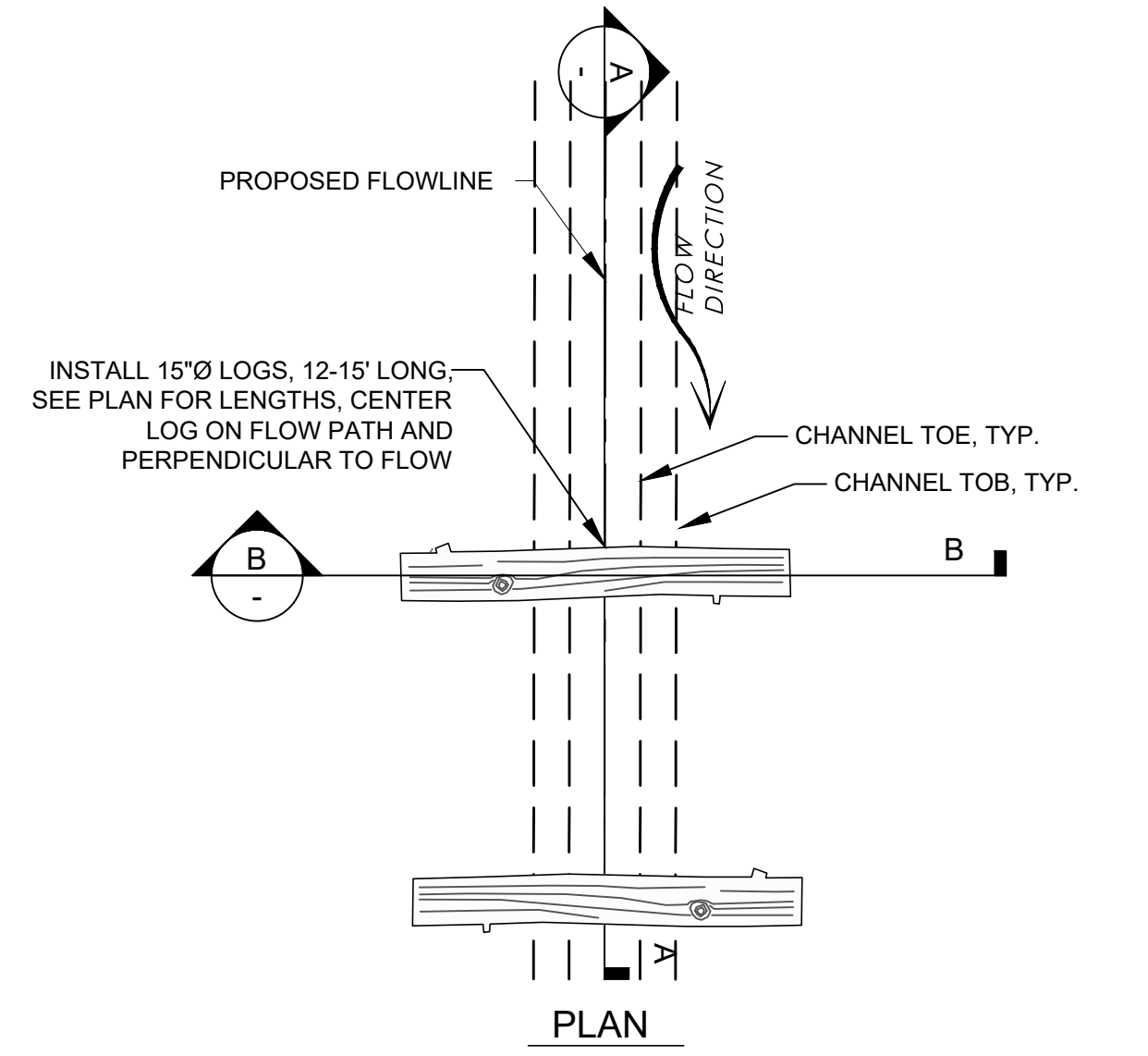


SOD STRIP LAYOUT PLAN

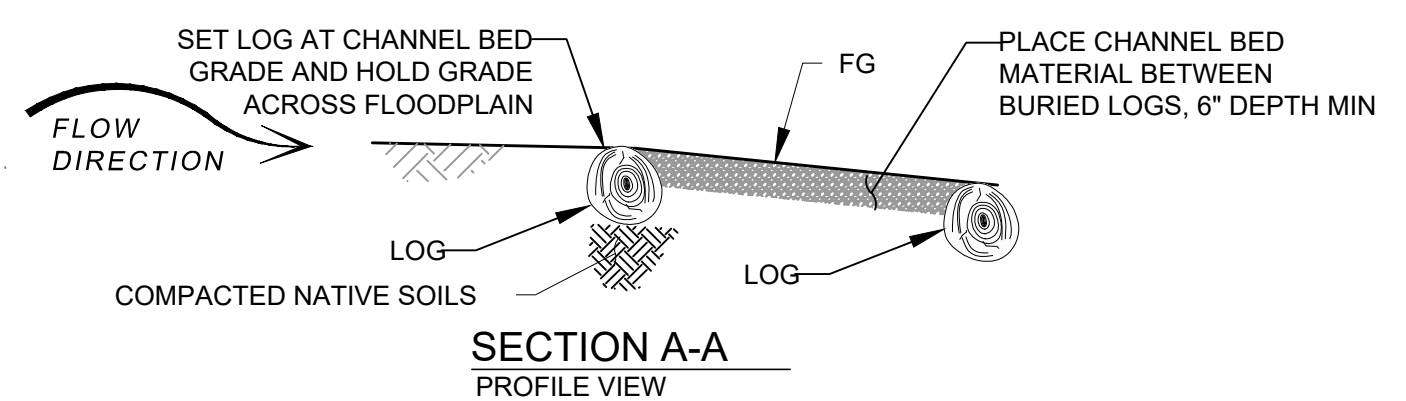


SECTION A-A

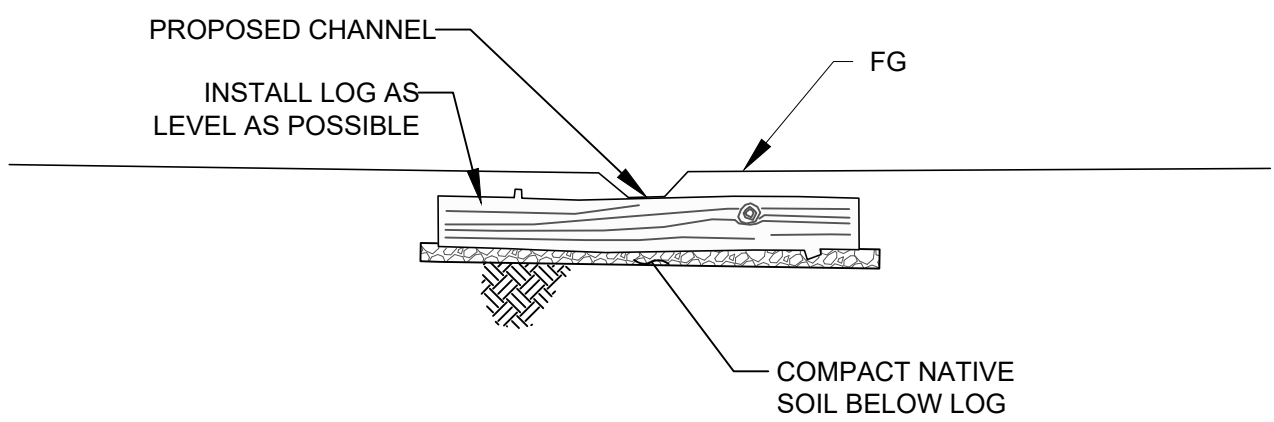
SALVAGED SOD
SCALE: N.T.S. **4** D1.1



PLAN



SECTION A-A
PROFILE VIEW

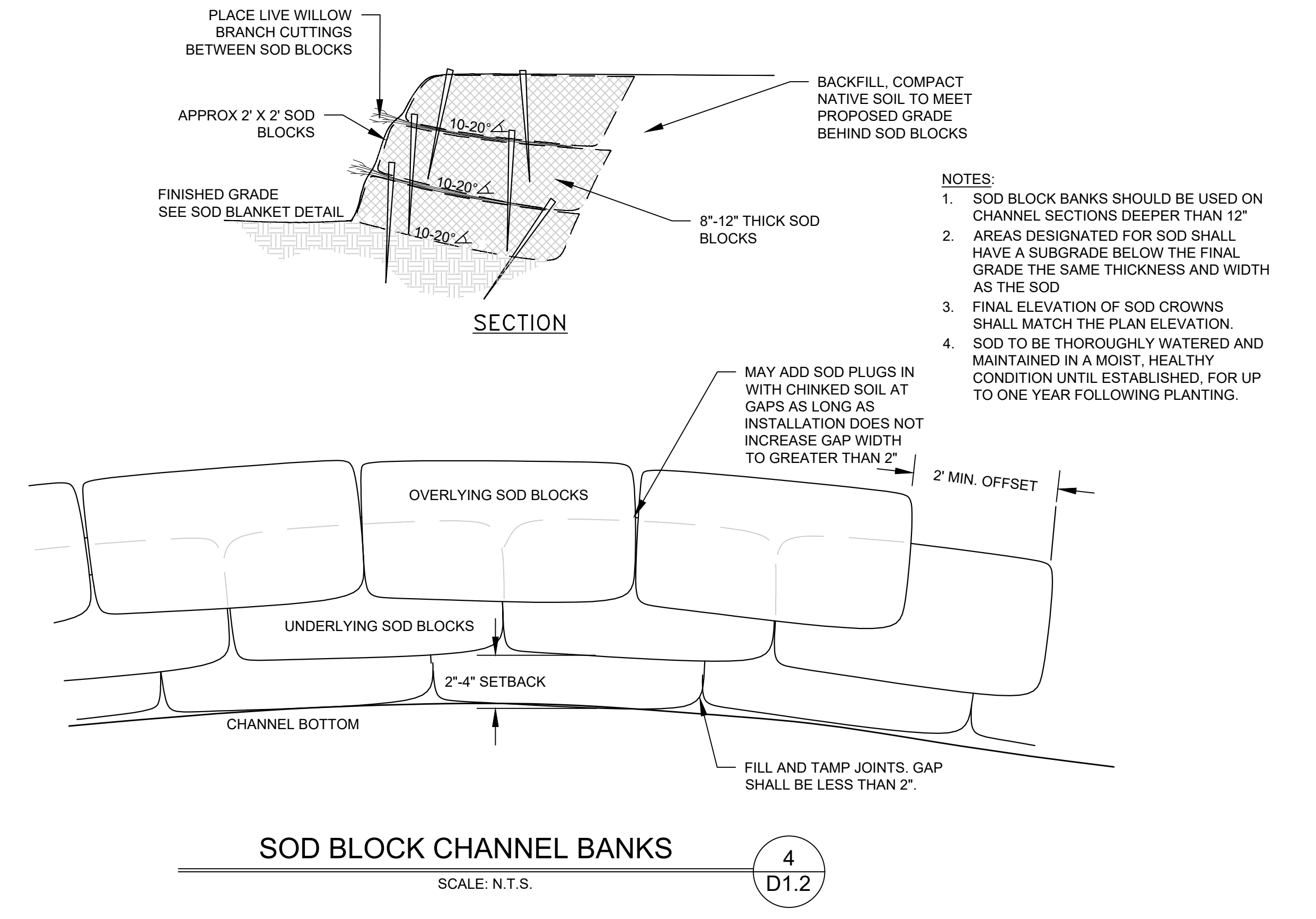
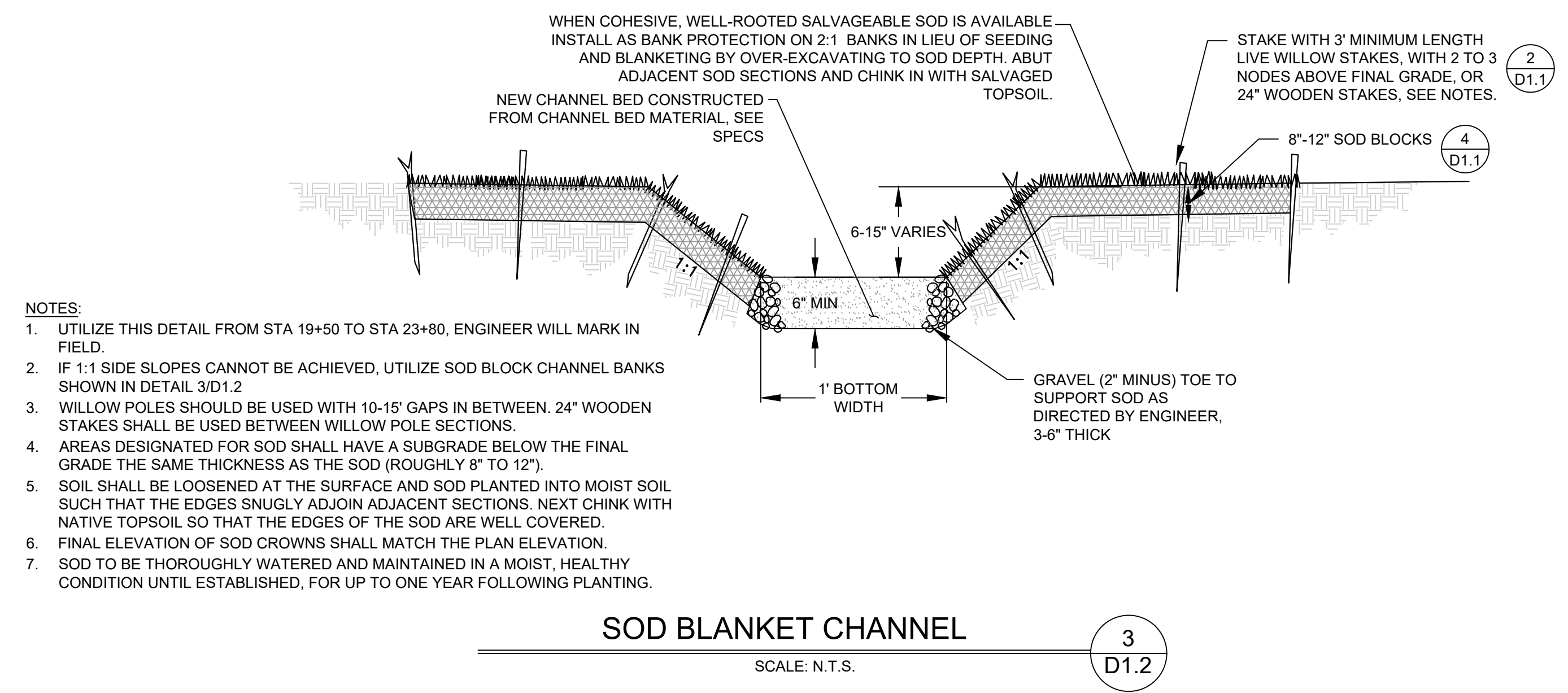
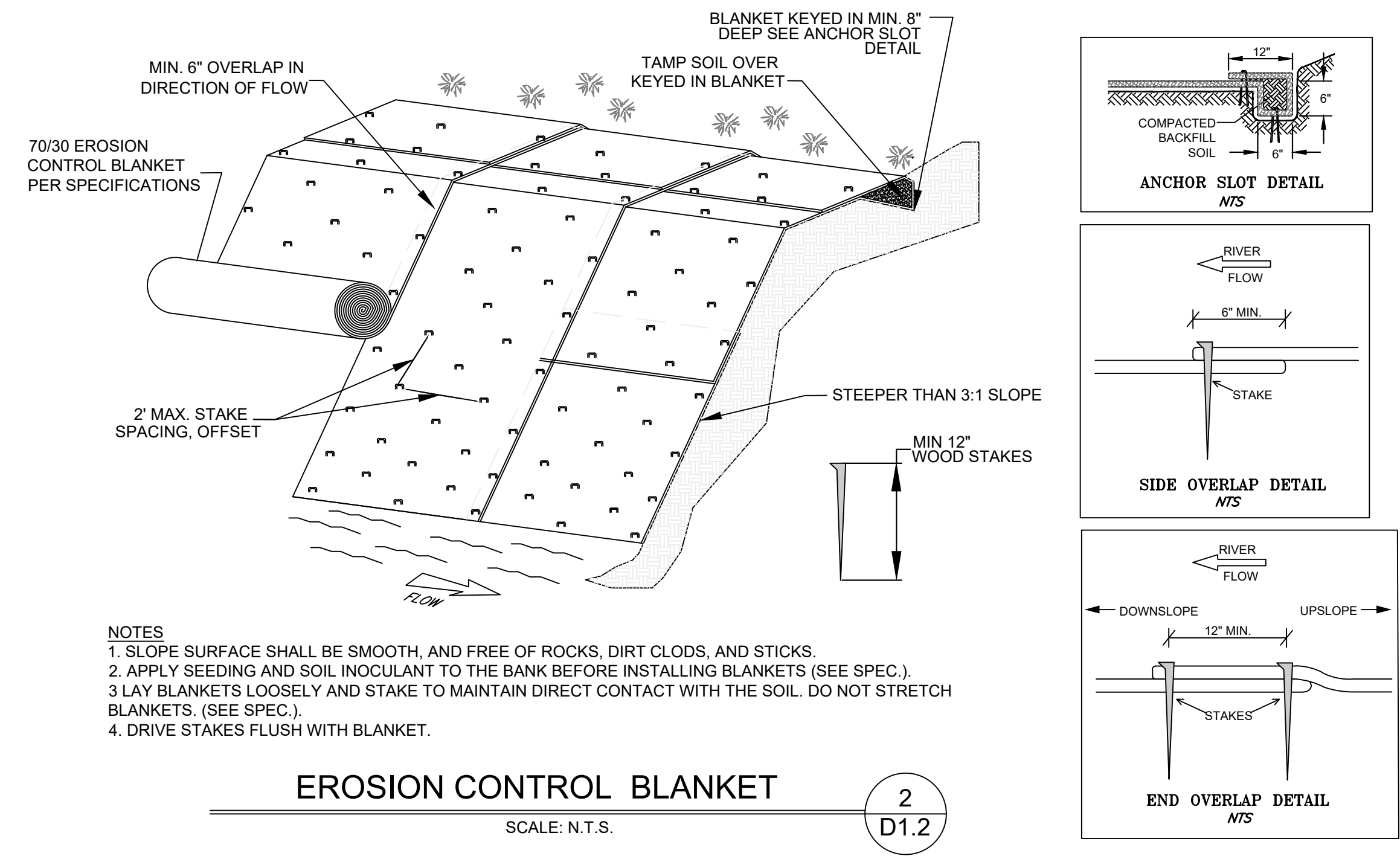
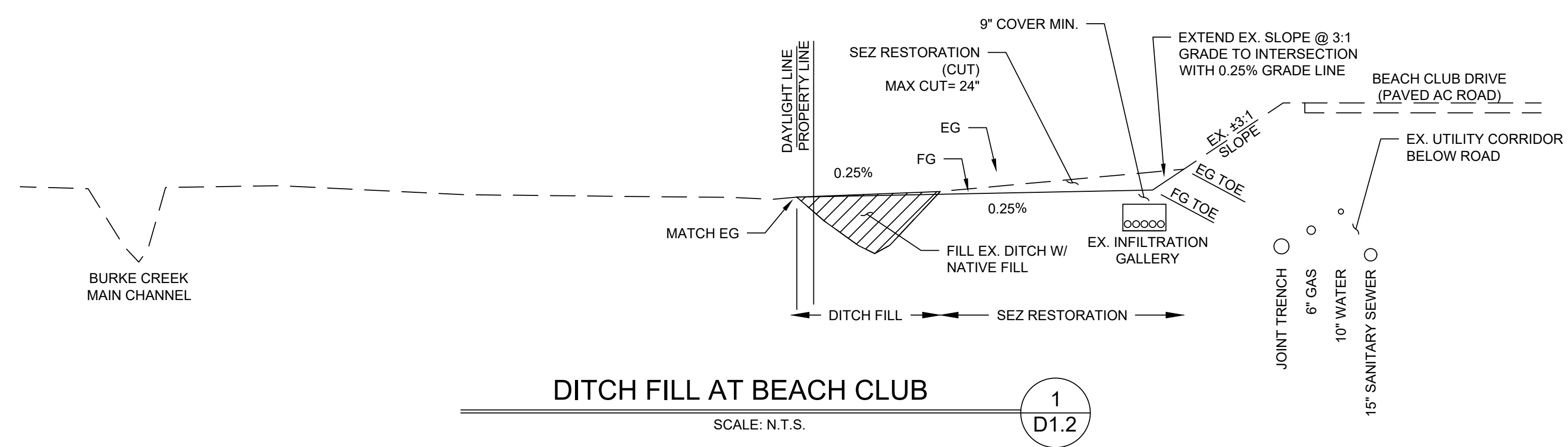


SECTION B-B
SECTION VIEW

BURIED LOG PROTECTION
SCALE: N.T.S. **5** D1.1



BID SET
NOT FOR CONSTRUCTION



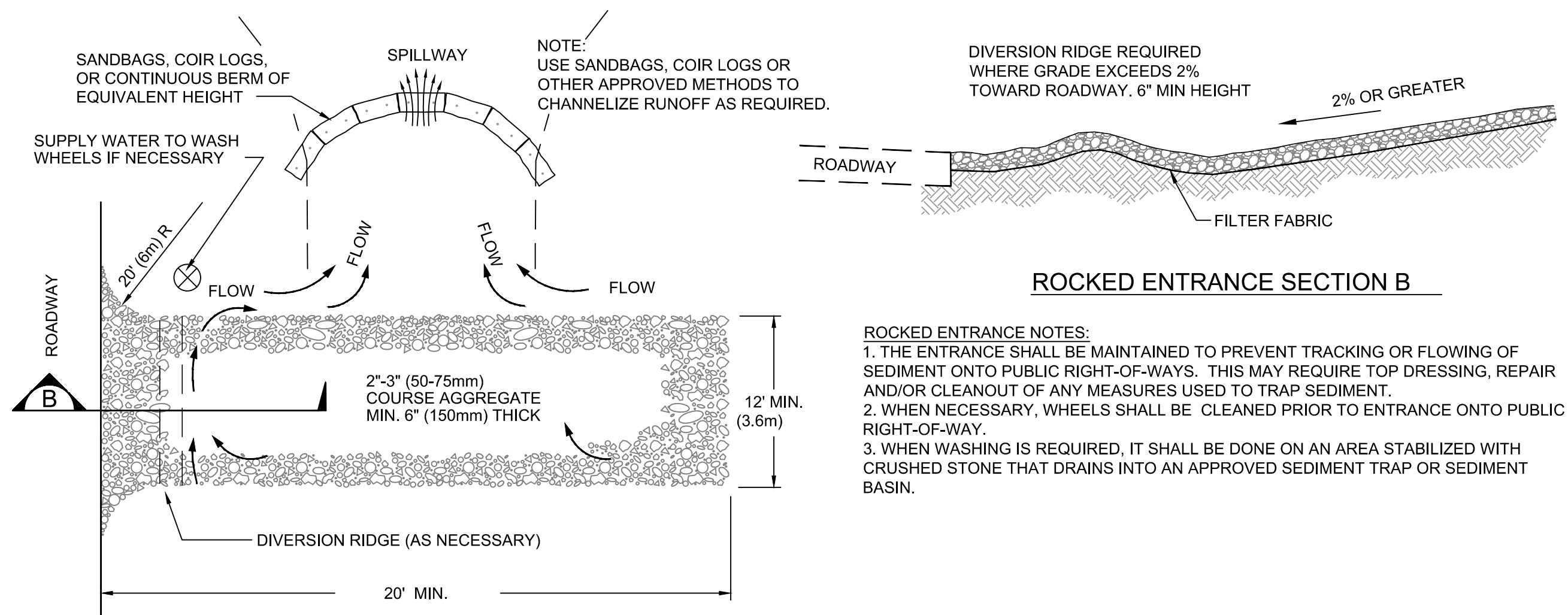
- NOTES:**
- UTILIZE THIS DETAIL FROM STA 19+50 TO STA 23+80. ENGINEER WILL MARK IN FIELD.
 - IF 1:1 SIDE SLOPES CANNOT BE ACHIEVED, UTILIZE SOD BLOCK CHANNEL BANKS SHOWN IN DETAIL 3/D1.2
 - WILLOW POLES SHOULD BE USED WITH 10-15' GAPS IN BETWEEN. 24" WOODEN STAKES SHALL BE USED BETWEEN WILLOW POLE SECTIONS.
 - AREAS DESIGNATED FOR SOD SHALL HAVE A SUBGRADE BELOW THE FINAL GRADE THE SAME THICKNESS AS THE SOD (ROUGHLY 8" TO 12").
 - SOIL SHALL BE LOOSENED AT THE SURFACE AND SOD PLANTED INTO MOIST SOIL SUCH THAT THE EDGES SNUGLY ADJOIN ADJACENT SECTIONS. NEXT CHINK WITH NATIVE TOPSOIL SO THAT THE EDGES OF THE SOD ARE WELL COVERED.
 - FINAL ELEVATION OF SOD CROWNS SHALL MATCH THE PLAN ELEVATION.
 - SOD TO BE THOROUGHLY WATERED AND MAINTAINED IN A MOIST, HEALTHY CONDITION UNTIL ESTABLISHED, FOR UP TO ONE YEAR FOLLOWING PLANTING.

- NOTES:**
- SOD BLOCK CHANNELS SHOULD BE USED ON CHANNEL SECTIONS DEEPER THAN 12"
 - AREAS DESIGNATED FOR SOD SHALL HAVE A SUBGRADE BELOW THE FINAL GRADE THE SAME THICKNESS AND WIDTH AS THE SOD
 - FINAL ELEVATION OF SOD CROWNS SHALL MATCH THE PLAN ELEVATION.
 - SOD TO BE THOROUGHLY WATERED AND MAINTAINED IN A MOIST, HEALTHY CONDITION UNTIL ESTABLISHED, FOR UP TO ONE YEAR FOLLOWING PLANTING.

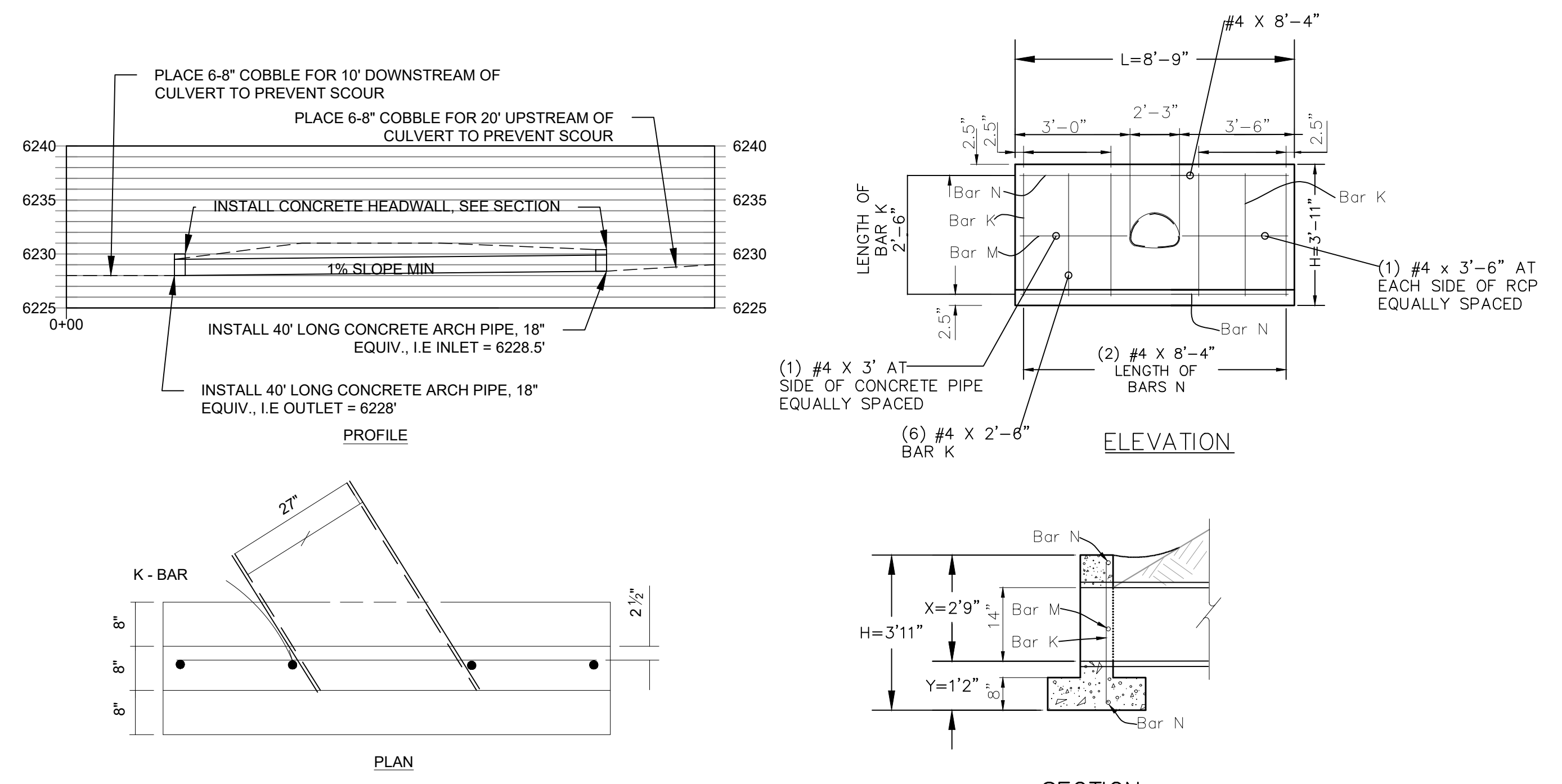


BID SET
NOT FOR CONSTRUCTION

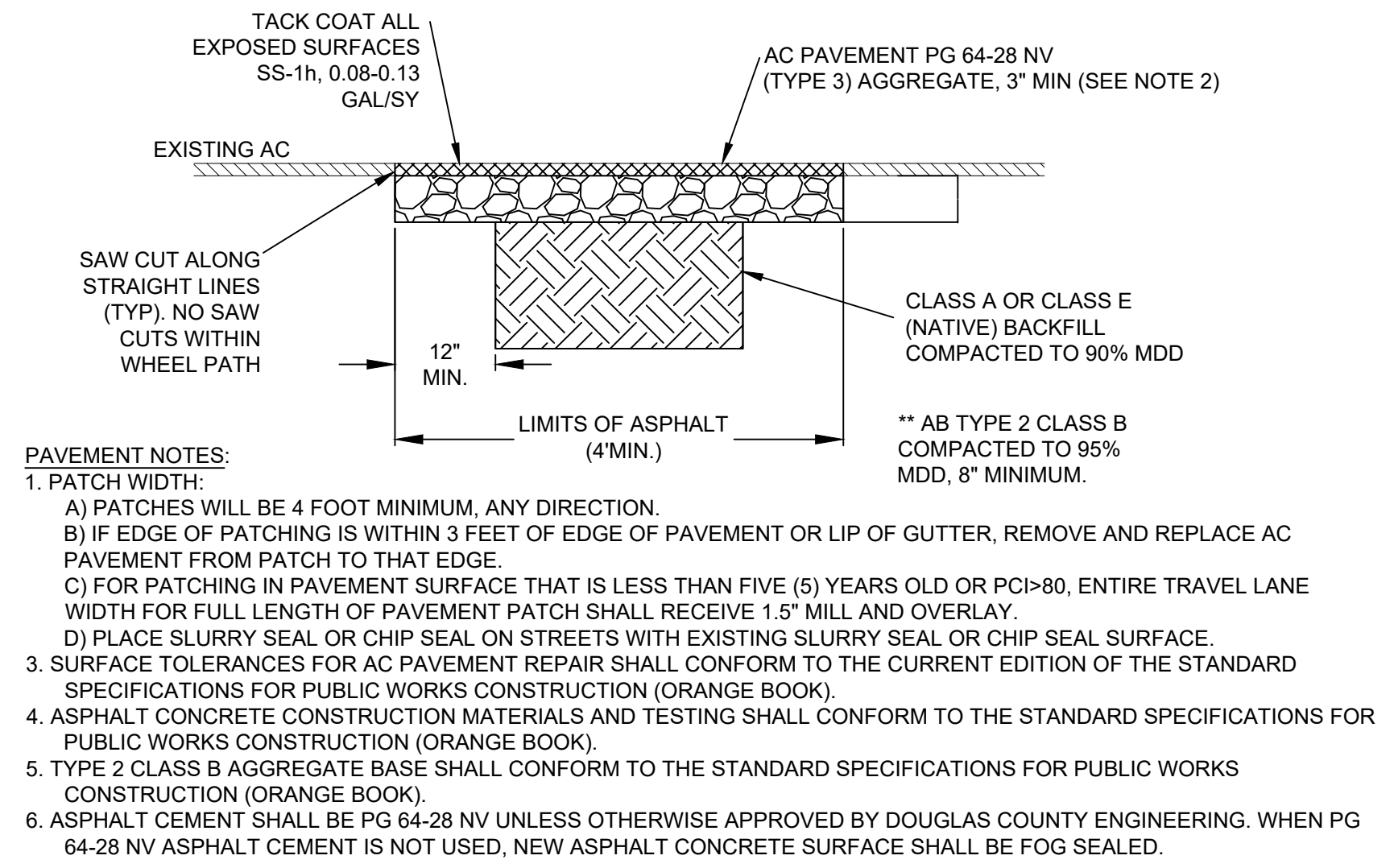
DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	



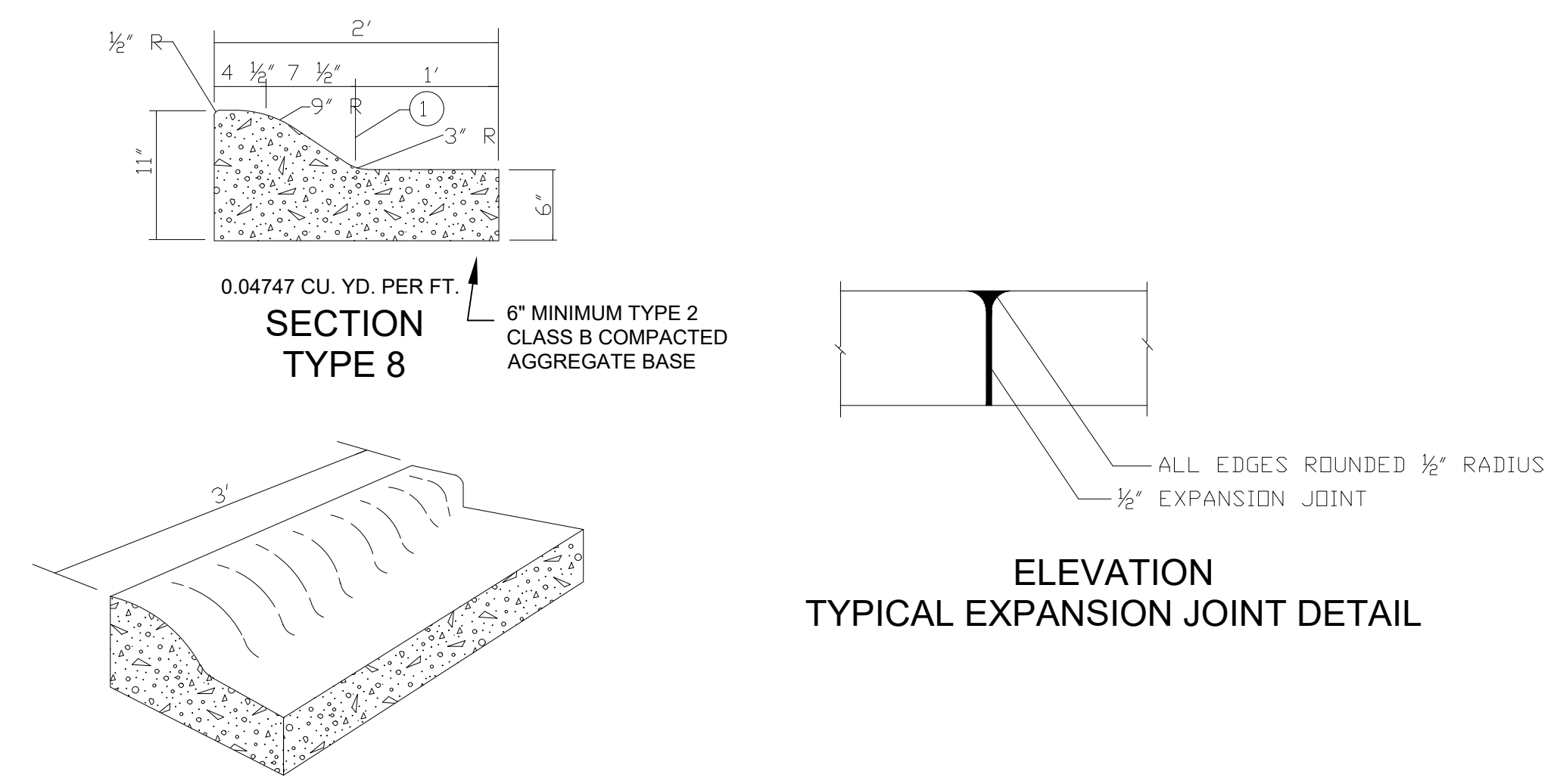
HARDENED CONSTRUCTION ENTRANCE 1
SCALE: N.T.S. D1.3



ARCH CULVERT AT CAMPGROUND 2
SCALE: N.T.S. D1.3



PAVEMENT PATCH 3
SCALE: N.T.S. D1.3

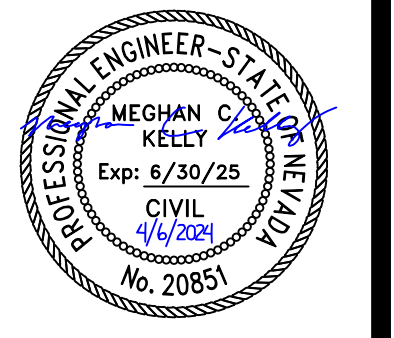


TYPICAL TRANSITION FROM ROLLED CURB TO VERTICAL FACE 4
SCALE: N.T.S. D1.3

- NOTES:
1. PORTLAND CEMENT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR CONCRETE EXPOSED TO FREEZE-THAW ENVIRONMENTS.
 2. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED EVERY 10 FEET. THE JOINTS SHALL BE CONSTRUCTED IN CONFORMANCE WITH SECTION 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 3. EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED IN SECTION 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 4. TYPE 2, CLASS B AGGREGATE BASE SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED IN CONFORMANCE WITH SECTION 308 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

TYPE 8 PCC CURB AND GUTTER 4
SCALE: N.T.S. D1.3

BID SET NOT FOR CONSTRUCTION

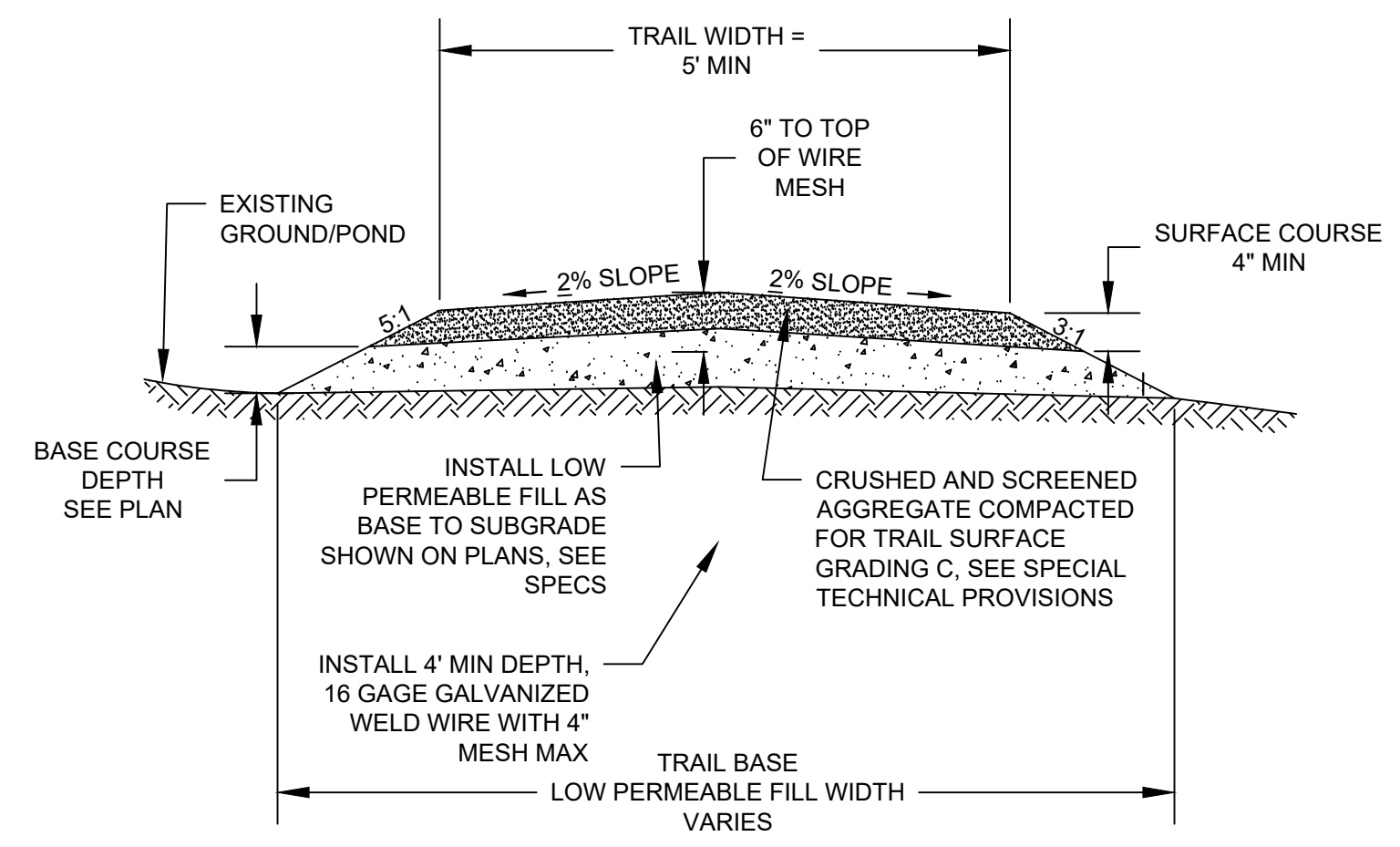


DETAILS
BURKE CREEK RABE MEADOW RESTORATION

DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	

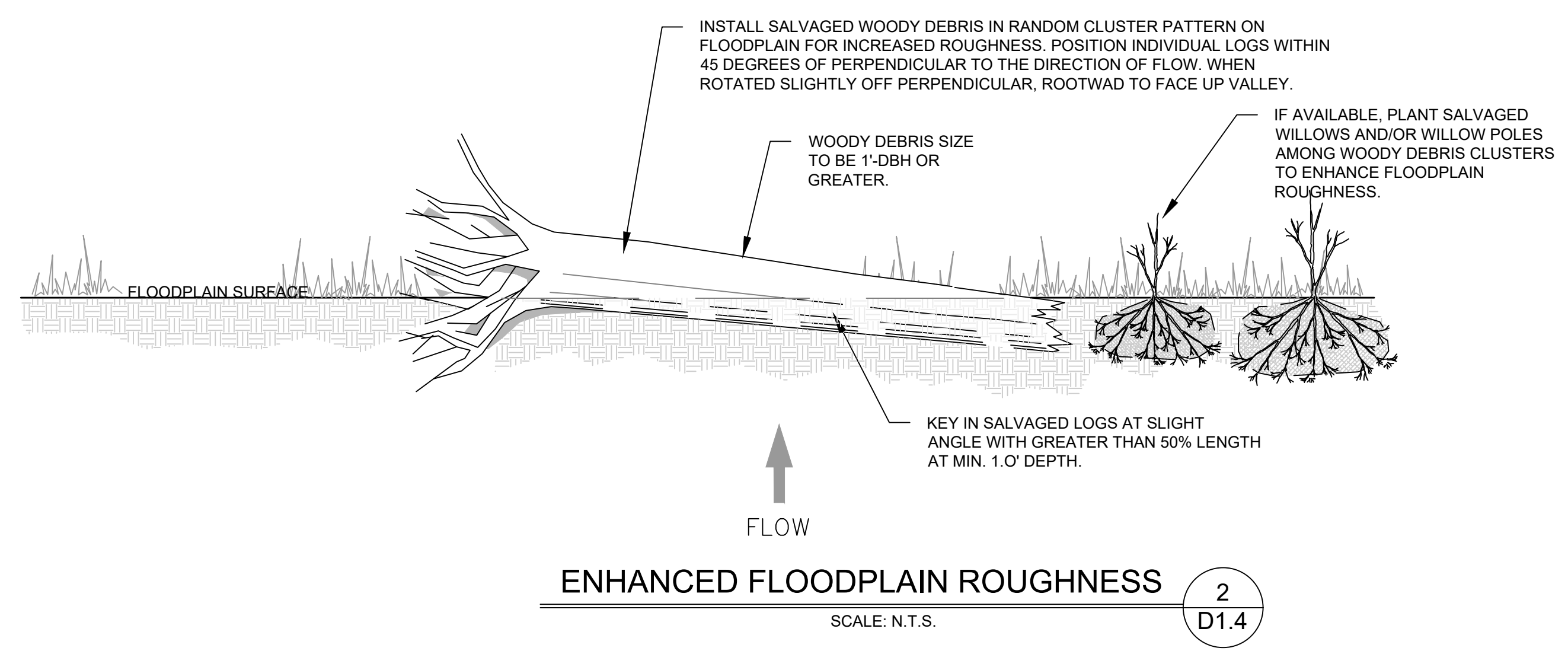
D1.3
20 OF 23



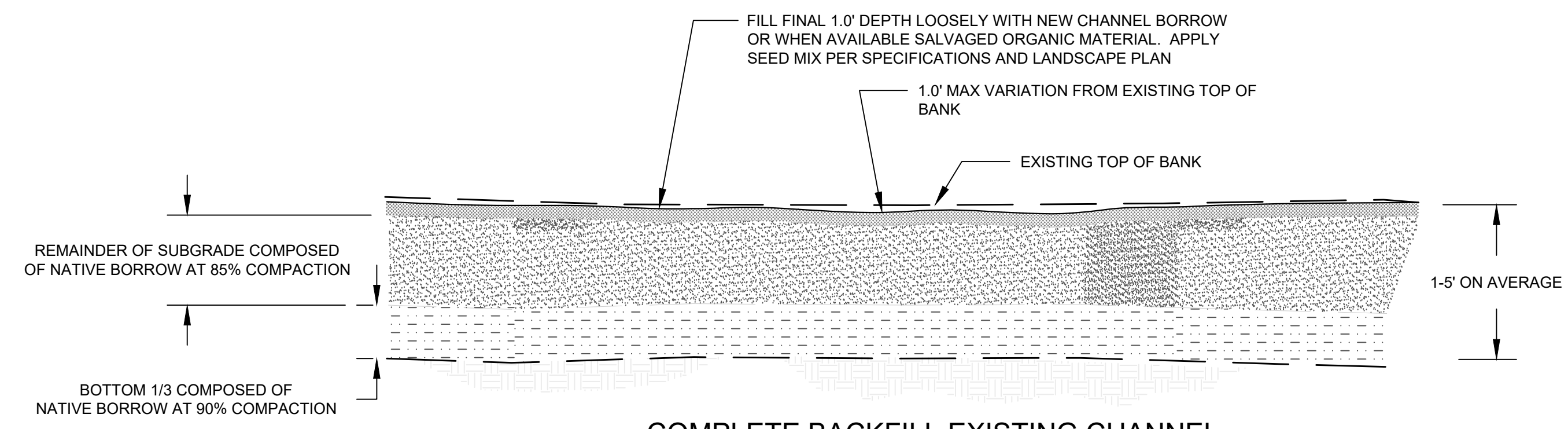


- NOTES:
1. WIRE MESH IS TO DISCOURAGE BEAVER TUNNELING UNDER TRAIL. WIRE MESH TO BE PLACED IN CENTER OF RAISED TRAIL FOR A MAXIMUM LENGTH OF 300 LINEAR FEET. WIRE MESH SHOULD HAVE A MAXIMUM MESH SIZE OF 4".
 2. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
 3. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.

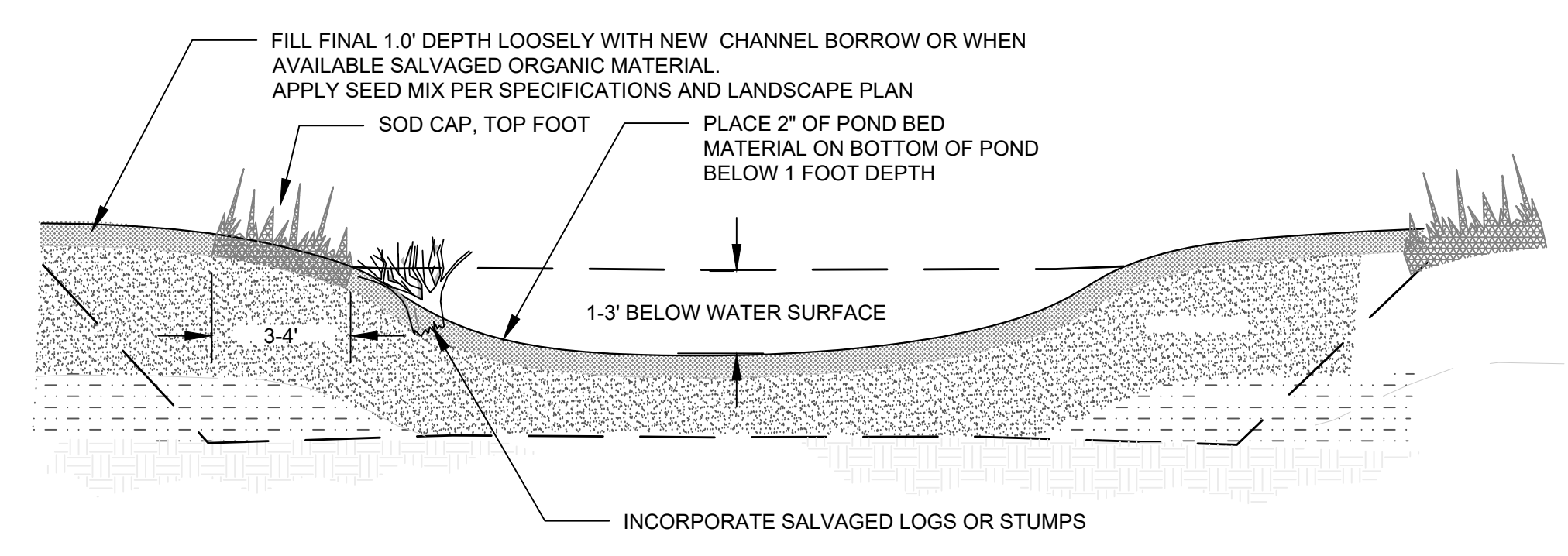
LAM WATAH TRAIL RAISING
SCALE: N.T.S. 1 D1.4



ENHANCED FLOODPLAIN ROUGHNESS
SCALE: N.T.S. 2 D1.4

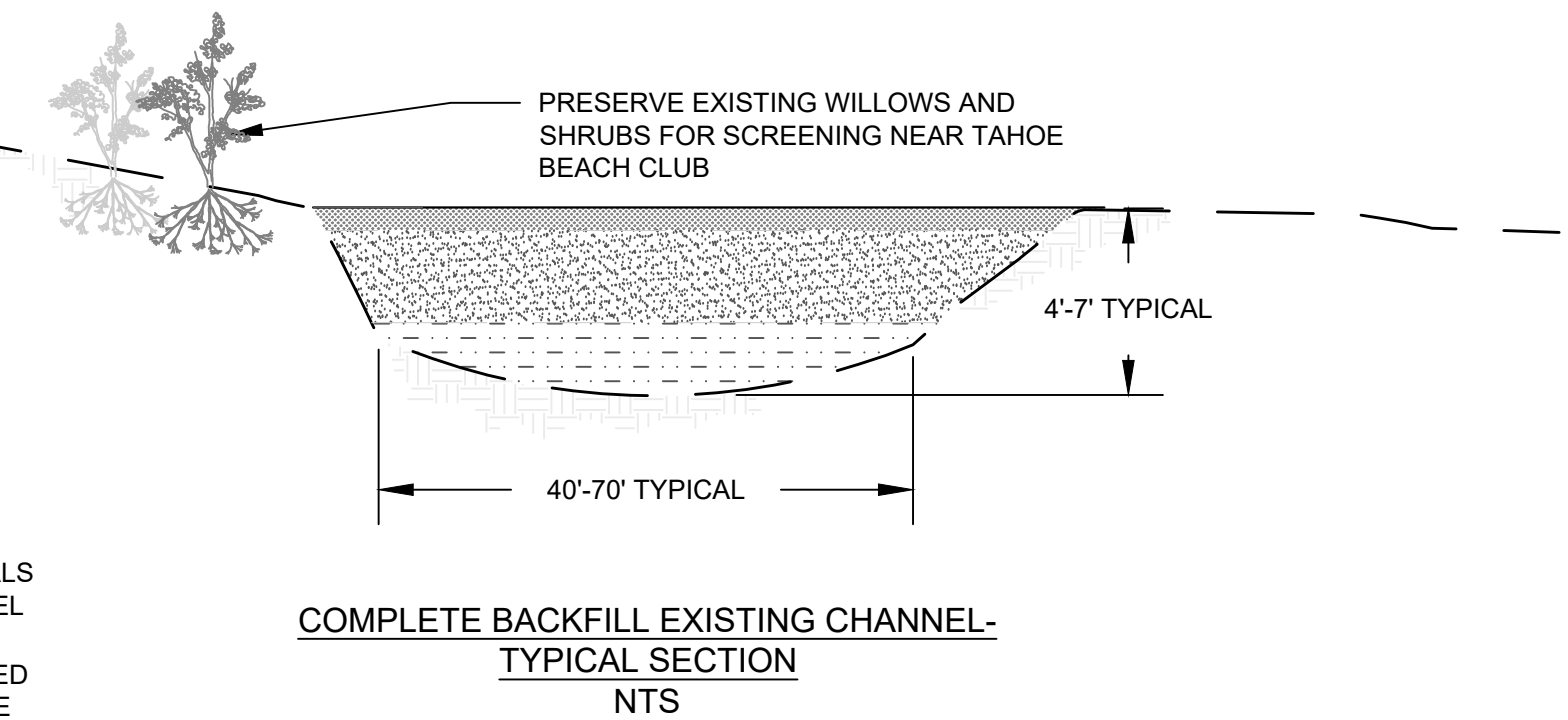


COMPLETE BACKFILL EXISTING CHANNEL - TYPICAL PROFILE
NTS

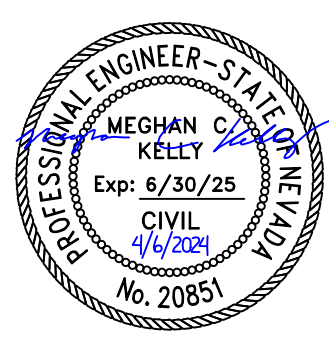
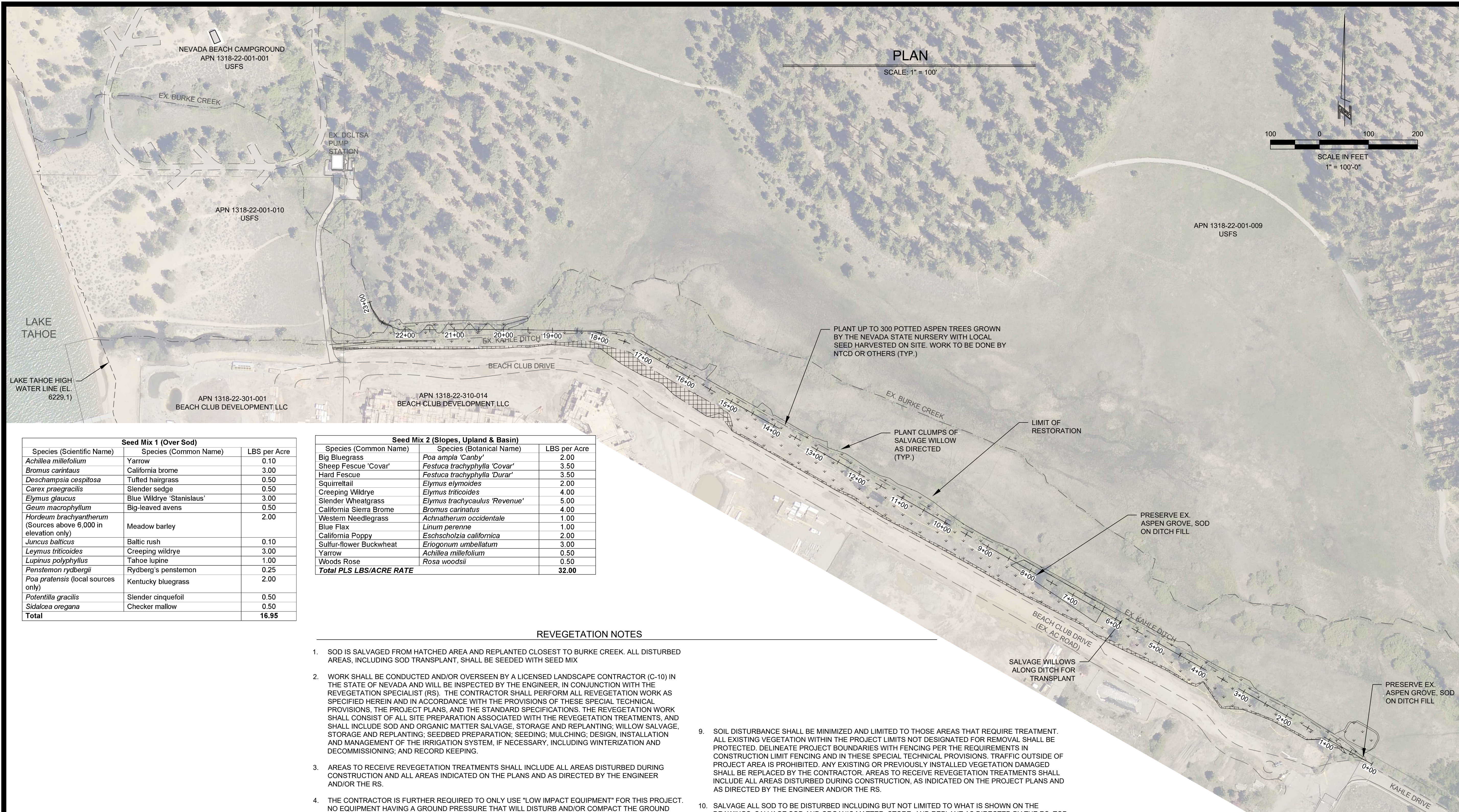


PARTIAL BACKFILL EXISTING POND
POND BACKFILL
SCALE: N.T.S. 4 D1.4

- NOTES:
1. ONLY FILL STORED AT THE USFS PARCEL 1318-15-803-001 OFF SEWER PLANT ROAD IN ROUNDHILL, NEVADA SHALL BE USED.
 2. IF FILL MUST BE IMPORTED, APPROVAL FROM THE ENGINEER MUST BE OBTAINED. IMPORTED FILL SHALL CONFORM TO SECTION 704.06 "UNCLASSIFIED BORROW" OF THE USFS STANDARD SPECIFICATIONS.
 3. FILL MATERIAL SHALL BE RELATIVELY FREE OF ORGANIC MATTER, DEBRIS AND RUBBLE.
 4. LARGE ROCK, BROKEN CONCRETE, ASPHALT CONCRETE, METALS OR HAZARDOUS MATERIALS SHALL NOT BE PLACED AS CHANNEL FILL.
 5. ALL VEGETATION ENCOUNTERED IN CHANNEL TO BE BACKFILLED SHALL BE SALVAGED AND USED TO REVEGETATE THE SURFACE OF THE BACKFILL.



COMPLETE BACKFILL EXISTING CHANNEL - TYPICAL SECTION
CHANNEL BACKFILL
SCALE: N.T.S. 3 D1.4



LANDSCAPE & REVEGETATION PLAN
BURKE CREEK RABE MEADOW RESTORATION

Seed Mix 1 (Over Sod)		
Species (Scientific Name)	Species (Common Name)	LBS per Acre
<i>Achillea millefolium</i>	Yarrow	0.10
<i>Bromus carinatus</i>	California brome	3.00
<i>Deschampsia cespitosa</i>	Tufted hairgrass	0.50
<i>Carex praegracilis</i>	Slender sedge	0.50
<i>Elymus glaucus</i>	Blue Wildrye 'Stanislaus'	3.00
<i>Geum macrophyllum</i>	Big-leaved avens	0.50
<i>Hordeum brachyantherum</i> (Sources above 6,000 in elevation only)	Meadow barley	2.00
<i>Juncus balticus</i>	Baltic rush	0.10
<i>Leymus triticoides</i>	Creeping wildrye	3.00
<i>Lupinus polyphyllus</i>	Tahoe lupine	1.00
<i>Penstemon rydbergii</i>	Rydberg's penstemon	0.25
<i>Poa pratensis</i> (local sources only)	Kentucky bluegrass	2.00
<i>Potentilla gracilis</i>	Slender cinquefoil	0.50
<i>Sidalcea oregana</i>	Checker mallow	0.50
Total		16.95

Seed Mix 2 (Slopes, Upland & Basin)		
Species (Common Name)	Species (Botanical Name)	LBS per Acre
Big Bluegrass	<i>Poa ampla</i> 'Canby'	2.00
Sheep Fescue 'Covar'	<i>Festuca trachyphylla</i> 'Covar'	3.50
Hard Fescue	<i>Festuca trachyphylla</i> 'Durar'	3.50
Squirreltail	<i>Elymus elymoides</i>	2.00
Creeping Wildrye	<i>Elymus triticoides</i>	4.00
Slender Wheatgrass	<i>Elymus trachycaulus</i> 'Revenue'	5.00
California Sierra Brome	<i>Bromus carinatus</i>	4.00
Western Needlegrass	<i>Achnatherum occidentale</i>	1.00
Blue Flax	<i>Linum perenne</i>	1.00
California Poppy	<i>Eschscholzia californica</i>	2.00
Sulfur-flower Buckwheat	<i>Eriogonum umbellatum</i>	3.00
Yarrow	<i>Achillea millefolium</i>	0.50
Woods Rose	<i>Rosa woodsii</i>	0.50
Total PLS LBS/ACRE RATE		32.00

REVEGETATION NOTES

- SOD IS SALVAGED FROM HATCHED AREA AND REPLANTED CLOSEST TO BURKE CREEK. ALL DISTURBED AREAS, INCLUDING SOD TRANSPLANT, SHALL BE SEEDED WITH SEED MIX
- WORK SHALL BE CONDUCTED AND/OR OVERSEEN BY A LICENSED LANDSCAPE CONTRACTOR (C-10) IN THE STATE OF NEVADA AND WILL BE INSPECTED BY THE ENGINEER, IN CONJUNCTION WITH THE REVEGETATION SPECIALIST (RS). THE CONTRACTOR SHALL PERFORM ALL REVEGETATION WORK AS SPECIFIED HEREIN AND IN ACCORDANCE WITH THE PROVISIONS OF THESE SPECIAL TECHNICAL PROVISIONS, THE PROJECT PLANS, AND THE STANDARD SPECIFICATIONS. THE REVEGETATION WORK SHALL CONSIST OF ALL SITE PREPARATION ASSOCIATED WITH THE REVEGETATION TREATMENTS, AND SHALL INCLUDE SOD AND ORGANIC MATTER SALVAGE, STORAGE AND REPLANTING; WILLOW SALVAGE, STORAGE AND REPLANTING; SEEDBED PREPARATION; SEEDING; MULCHING; DESIGN, INSTALLATION AND MANAGEMENT OF THE IRRIGATION SYSTEM, IF NECESSARY, INCLUDING WINTERIZATION AND DECOMMISSIONING; AND RECORD KEEPING.
- AREAS TO RECEIVE REVEGETATION TREATMENTS SHALL INCLUDE ALL AREAS DISTURBED DURING CONSTRUCTION AND ALL AREAS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER AND/OR THE RS.
- THE CONTRACTOR IS FURTHER REQUIRED TO ONLY USE "LOW IMPACT EQUIPMENT" FOR THIS PROJECT. NO EQUIPMENT HAVING A GROUND PRESSURE THAT WILL DISTURB AND/OR COMPACT THE GROUND (GENERALLY GROUND PRESSURES LESS THAN 25 PSI) WILL BE ALLOWED OFF OF PAVED AREAS OR OFF DESIGNATED TEMPORARY TRUCK HAUL ROUTES UNDER ANY CIRCUMSTANCES. ALL EQUIPMENT ON THE PROJECT SITE, (OFF PAVED AREAS OR DESIGNATED TRUCK HAUL ROUTES), SHALL MEET THIS LOW-PRESSURE REQUIREMENT.
- SUPPLEMENTAL TREATMENTS MAY BE REQUIRED IF REVEGETATION EFFORTS ARE UNSATISFACTORY FOLLOWING COMPLETION OF WORK AS DETERMINED BY THE ENGINEER. THE CONTRACTOR MUST ACHIEVE 70% OF PRE-DISTURBANCE (REFERENCE AREA) NATIVE VEGETATIVE COVER FOR AREAS RECEIVING SEED. WARRANTY 100% SURVIVAL OF ALL SALVAGED AND TRANSPLANTED SOD AND WILLOWS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND RS NO LESS THAN TEN (10) WORKING DAYS IN ADVANCE OF REVEGETATION WORK AND SHALL NOT BEGIN WORK UNTIL PREPARED REVEGETATION TREATMENT AREAS HAVE BEEN ACCEPTED BY THE ENGINEER AND RS. THE CONTRACTOR SHALL REQUEST THAT TREATMENT TYPES AND BOUNDARIES ARE LOCATED BY THE ENGINEER AND/OR RS PRIOR TO PROGRESSING WITH THE WORK.
- NO SUBSTITUTIONS OR ALTERATIONS TO THESE SPECIAL TECHNICAL PROVISIONS SHALL BE ACCEPTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER AND THE RS. NO FURTHER DISTURBANCE OF ANY TREATMENT AREA SHALL BE ALLOWED ONCE REVEGETATION HAS BEEN INITIATED.
- IF SITE CONDITIONS WARRANT PLANTING OF WETLAND PLUGS IN ADDITION TO SEEDING, THE CONTRACTOR WILL BE PROVIDED WITH A SPECIFICATION FOR MATERIALS AND PLANTING METHODS, INCLUDING SPECIES, SIZE, QUANTITIES, PLANT HEALTH, SPACING, PLANTING METHODS, MAINTENANCE, AND WARRANTY.
- SOIL DISTURBANCE SHALL BE MINIMIZED AND LIMITED TO THOSE AREAS THAT REQUIRE TREATMENT. ALL EXISTING VEGETATION WITHIN THE PROJECT LIMITS NOT DESIGNATED FOR REMOVAL SHALL BE PROTECTED. DELINEATE PROJECT BOUNDARIES WITH FENCING PER THE REQUIREMENTS IN CONSTRUCTION LIMIT FENCING AND IN THESE SPECIAL TECHNICAL PROVISIONS. TRAFFIC OUTSIDE OF PROJECT AREA IS PROHIBITED. ANY EXISTING OR PREVIOUSLY INSTALLED VEGETATION DAMAGED SHALL BE REPLACED BY THE CONTRACTOR. AREAS TO RECEIVE REVEGETATION TREATMENTS SHALL INCLUDE ALL AREAS DISTURBED DURING CONSTRUCTION, AS INDICATED ON THE PROJECT PLANS AND AS DIRECTED BY THE ENGINEER AND/OR THE RS.
- SALVAGE ALL SOD TO BE DISTURBED INCLUDING BUT NOT LIMITED TO WHAT IS SHOWN ON THE DRAWINGS. SALVAGE SOD AND ORGANIC MATTER. STORE, AND REPLANT AS DIRECTED BY THE RS. TOP DRESS BARE AREAS WITH REVEGETATION SEED MIX 1. RAKE SEED TO INCORPORATE AND IRRIGATE TO ESTABLISH REQUIRED COVER IRRIGATE TO ESTABLISH SOD AND SEEDED AREAS. WATER SOD 2 TIMES PER DAY TO KEEP MOIST UNTIL PLANTED.
- SALVAGE, STORE, AND RE-PLANT WILLOWS AS SHOW ON THE PLANS AND AS DIRECTED BY THE RS. TOP DRESS BARE AREAS WITH SEED MIX 1. RAKE SEED TO INCORPORATE. IRRIGATE TO MEET PERFORMANCE CRITERIA.
- DECOMPACT SOILS TO ACHIEVE A MAXIMUM OF 85% COMPACTION FOR AN 8" MINIMUM DEPTH. APPLY REVEGETATION SEED MIX, INCORPORATE. APPLY RICE STRAW AND CRIMP TO ACHIEVE 100% COVER.
- ALL NON-NATIVE TREES WILL BE REMOVED. ALL NATIVE TREES LOCATED WITHIN DISTURBANCE AREA WILL BE REMOVED AND REPLACED 1:1 WITH POTTED QUAKING ASPEN (½ GALLON MIN).
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SOD TRANSPLANT AND SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PLACE 15 REVEGETATION SIGNS AS DIRECTED BY ENGINEER.

PLANTING & LANDSCAPING LEGEND	
	SOD SEED TREATMENT (115,000 SF)
	PLANT SALVAGED SOD (25,000 SF)
	UPLAND TREATMENT (15,000 SF)

6
D1.1

**BID SET
NOT FOR CONSTRUCTION**

DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	

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22 OF 23



Seed Mix 1 (Over Sod)		
Species (Scientific Name)	Species (Common Name)	LBS per Acre
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<i>Bromus carinatus</i>	California brome	3.00
<i>Deschampsia cespitosa</i>	Tufted hairgrass	0.50
<i>Carex praegracilis</i>	Slender sedge	0.50
<i>Elymus glaucus</i>	Blue Wildrye 'Stanislaus'	3.00
<i>Geum macrophyllum</i>	Big-leaved avens	0.50
<i>Hordeum brachyantherum</i> (Sources above 6,000 in elevation only)	Meadow barley	2.00
<i>Juncus balticus</i>	Baltic rush	0.10
<i>Leymus triticoides</i>	Creeping wildrye	3.00
<i>Lupinus polyphyllus</i>	Tahoe lupine	1.00
<i>Penstemon rydbergii</i>	Rydberg's penstemon	0.25
<i>Poa pratensis</i> (local sources only)	Kentucky bluegrass	2.00
<i>Potentilla gracilis</i>	Slender cinquefoil	0.50
<i>Sidalcea oregana</i>	Checker mallow	0.50
Total		16.95

Seed Mix 2 (Fabric and Seed)		
Species (Common Name)	Species (Botanical Name)	LBS per Acre
Meadow Barley	<i>Hordeum brachyantherum</i>	2.00
Tufted Hairgrass	<i>Deschampsia cespitosa</i>	2.00
Baltic Rush	<i>Juncus balticus</i>	0.10
Swordleaf Rush	<i>Juncus ensifolius</i>	0.10
Nebraskensis Sedge	<i>Carex nebrascensis</i> Dewey	0.50
Praegracilis Sedge	<i>Carex praegracilis</i>	0.50
Bigleaf Lupine	<i>Lupinus polyphyllus</i>	0.50
Lupine, perennis	<i>Lupinus perennis</i>	0.50
Streambank Wheatgrass	<i>Elymus lanceolatus</i> ssp. <i>psammophilus</i> 'Sodar'	6.00
Monkeyflower, yellow	<i>Mimulus guttatus</i>	0.05
Penstemon, rydbergii	<i>Penstemon rydbergii</i>	0.25
Showy Penstemon	<i>Penstemon speciosus</i>	0.25
Columbine, red	<i>Aquilegia Formosa</i>	0.05
Gilia, golden	<i>Linanthus aureus</i>	0.10
Blue Wildrye	<i>Elymus glaucus</i>	1.00
Big Bluegrass	<i>Poa ampla</i> 'Sherman'	1.00
Creeping Wildrye	<i>Elymus triticoides</i>	1.00
Arrowleaf Balsamroot	<i>Balsamorhiza sagittata</i>	0.5
Total PLS LBS/ACRE RATE		16.3



REVEGETATION NOTES

- SOD IS SALVAGED FROM HATCHED AREA AND REPLANTED CLOSEST TO BURKE CREEK. ALL DISTURBED AREAS, INCLUDING SOD TRANSPLANT, SHALL BE SEEDED WITH SEED MIX
- WORK SHALL BE CONDUCTED AND/OR OVERSEEN BY A LICENSED LANDSCAPE CONTRACTOR (C-10) IN THE STATE OF NEVADA AND WILL BE INSPECTED BY THE ENGINEER, IN CONJUNCTION WITH THE REVEGETATION SPECIALIST (RS). THE CONTRACTOR SHALL PERFORM ALL REVEGETATION WORK AS SPECIFIED HEREIN AND IN ACCORDANCE WITH THE PROVISIONS OF THESE SPECIAL TECHNICAL PROVISIONS, THE PROJECT PLANS, AND THE STANDARD SPECIFICATIONS. THE REVEGETATION WORK SHALL CONSIST OF ALL SITE PREPARATION ASSOCIATED WITH THE REVEGETATION TREATMENTS, AND SHALL INCLUDE SOD AND ORGANIC MATTER SALVAGE, STORAGE AND REPLANTING; WILLOW SALVAGE, STORAGE AND REPLANTING; SEEDBED PREPARATION; SEEDING; MULCHING; DESIGN, INSTALLATION AND MANAGEMENT OF THE IRRIGATION SYSTEM, IF NECESSARY, INCLUDING WINTERIZATION AND DECOMMISSIONING; AND RECORD KEEPING.
- AREAS TO RECEIVE REVEGETATION TREATMENTS SHALL INCLUDE ALL AREAS DISTURBED DURING CONSTRUCTION AND ALL AREAS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER AND/OR THE RS.
- THE CONTRACTOR IS FURTHER REQUIRED TO ONLY USE "LOW IMPACT EQUIPMENT" FOR THIS PROJECT. NO EQUIPMENT HAVING A GROUND PRESSURE THAT WILL DISTURB AND/OR COMPACT THE GROUND (GENERALLY GROUND PRESSURES LESS THAN 25 PSI) WILL BE ALLOWED OFF OF PAVED AREAS OR DESIGNATED TEMPORARY TRUCK HAUL ROUTES UNDER ANY CIRCUMSTANCES. ALL EQUIPMENT ON THE PROJECT SITE, (OFF PAVED AREAS OR DESIGNATED TRUCK HAUL ROUTES), SHALL MEET THIS LOW-PRESSURE REQUIREMENT.
- SUPPLEMENTAL TREATMENTS MAY BE REQUIRED IF REVEGETATION EFFORTS ARE UNSATISFACTORY FOLLOWING COMPLETION OF WORK AS DETERMINED BY THE ENGINEER. THE CONTRACTOR MUST ACHIEVE 70% OF PRE-DISTURBANCE (REFERENCE AREA) NATIVE VEGETATIVE COVER FOR AREAS RECEIVING SEED. WARRANTY 100% SURVIVAL OF ALL SALVAGED AND TRANSPLANTED SOD AND WILLOWS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND RS NO LESS THAN TEN (10) WORKING DAYS IN ADVANCE OF REVEGETATION WORK AND SHALL NOT BEGIN WORK UNTIL PREPARED REVEGETATION TREATMENT AREAS HAVE BEEN ACCEPTED BY THE ENGINEER AND RS. THE CONTRACTOR SHALL REQUEST THAT TREATMENT TYPES AND BOUNDARIES ARE LOCATED BY THE ENGINEER AND/OR RS PRIOR TO PROGRESSING WITH THE WORK.
- NO SUBSTITUTIONS OR ALTERATIONS TO THESE SPECIAL TECHNICAL PROVISIONS SHALL BE ACCEPTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER AND THE RS. NO FURTHER DISTURBANCE OF ANY TREATMENT AREA SHALL BE ALLOWED ONCE REVEGETATION HAS BEEN INITIATED.
- IF SITE CONDITIONS WARRANT PLANTING OF WETLAND PLUGS IN ADDITION TO SEEDING, THE CONTRACTOR WILL BE PROVIDED WITH A SPECIFICATION FOR MATERIALS AND PLANTING METHODS, INCLUDING SPECIES, SIZE, QUANTITIES, PLANT HEALTH, SPACING, PLANTING METHODS, MAINTENANCE, AND WARRANTY.
- SOIL DISTURBANCE SHALL BE MINIMIZED AND LIMITED TO THOSE AREAS THAT REQUIRE TREATMENT. ALL EXISTING VEGETATION WITHIN THE PROJECT LIMITS NOT DESIGNATED FOR REMOVAL SHALL BE PROTECTED. DELINEATE PROJECT BOUNDARIES WITH FENCING PER THE REQUIREMENTS IN CONSTRUCTION LIMIT FENCING AND IN THESE SPECIAL TECHNICAL PROVISIONS. TRAFFIC OUTSIDE OF PROJECT AREA IS PROHIBITED. ANY EXISTING OR PREVIOUSLY INSTALLED VEGETATION DAMAGED SHALL BE REPLACED BY THE CONTRACTOR. AREAS TO RECEIVE REVEGETATION TREATMENTS SHALL INCLUDE ALL AREAS DISTURBED DURING CONSTRUCTION, AS INDICATED ON THE PROJECT PLANS AND AS DIRECTED BY THE ENGINEER AND/OR THE RS.
- SALVAGE ALL SOD TO BE DISTURBED INCLUDING BUT NOT LIMITED TO WHAT IS SHOWN ON THE DRAWINGS. SALVAGE SOD AND ORGANIC MATTER, STORE, AND REPLANT AS DIRECTED BY THE RS. TOP DRESS BARE AREAS WITH REVEGETATION SEED MIX 1. RAKE SEED TO INCORPORATE AND IRRIGATE TO ESTABLISH REQUIRED COVER IRRIGATE TO ESTABLISH SOD AND SEEDED AREAS. WATER SOD 2 TIMES PER DAY TO KEEP MOIST UNTIL PLANTED.
- SALVAGE, STORE, AND RE-PLANT WILLOWS AS SHOW ON THE PLANS AND AS DIRECTED BY THE RS. TOP DRESS BARE AREAS WITH SEED MIX 1. RAKE SEED TO INCORPORATE. IRRIGATE TO MEET PERFORMANCE CRITERIA.
- DECOMPACT SOILS TO ACHIEVE A MAXIMUM OF 85% COMPACTION FOR AN 8" MINIMUM DEPTH. APPLY REVEGETATION SEED MIX, INCORPORATE. APPLY RICE STRAW AND CRIMP TO ACHIEVE 100% COVER.
- ANY NON-NATIVE TREES WILL BE REMOVED. ALL NATIVE TREES LOCATED WITHIN DISTURBANCE AREA WILL BE REMOVED AND REPLACED 1:1 WITH POTTED QUAKING ASPEN (½ GALLON MIN).
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SOD TRANSPLANT AND SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

PLANTING & LANDSCAPING LEGEND	
	SOD SEED TREATMENT (9,000 SF) & PLANT SALVAGED SOD (7,000 SF)
	ENHANCED FLOODPLAIN ROUGHNESS AREA (8,800 SF)
	POND TREATMENT (15,300 SF)
	SLOPE TREATMENT (10,200 SF)
	SOD AND WILLOW SALVAGE AREA

**BID SET
NOT FOR CONSTRUCTION**



LANDSCAPE & REVEGETATION PLAN
BURKE CREEK RABE MEADOW RESTORATION

DESIGNED/DRAWN	PJ
CHECKED BY	MK
DATE	3/25/2024
SCALE	AS SHOWN
PROJECT	BCRMRRP - BID
SHEET	L1.1
	23 OF 23