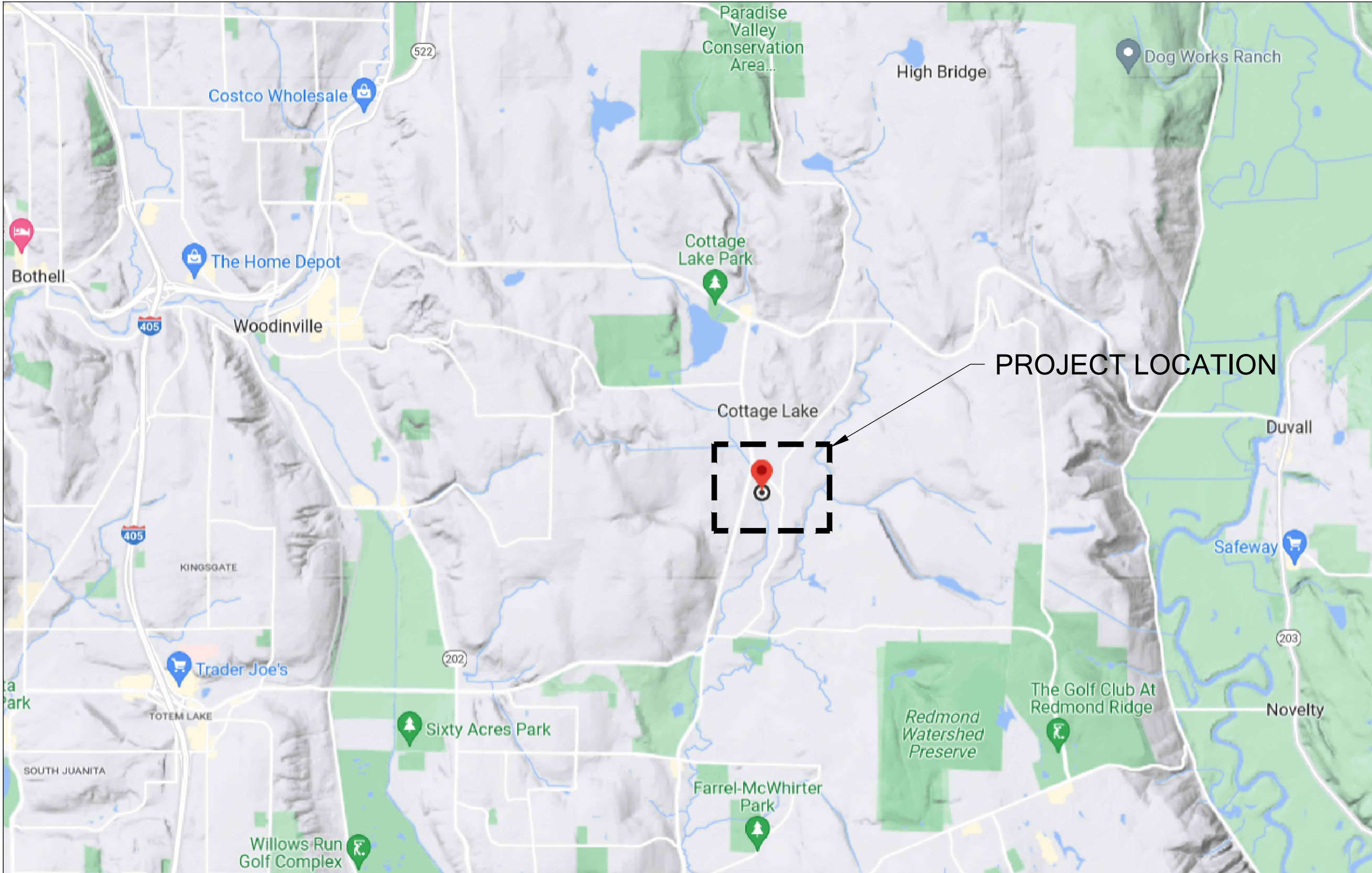


VICINITY MAP



PROJECT LOCATION



COTTAGE LAKE CREEK WEIR REMOVAL PROJECT 60% PLAN SET

PROJECT TEAM

PROJECT SPONSOR:
MID PUGET SOUND FISHERIES ENHANCEMENT GROUP
7400 SAND POINT WAY NE #202N
SEATTLE, WA 98115
CONTACT: AMANI MOYER-ALI
PH: (206) 529-9467

CIVIL AND LANDSCAPE:
DCG/WATERSHED, INC.
750 6TH ST S
KIRKLAND, WA 98083
CONTACT: GREG JOHNSTON
PH: (425) 822-5242

GEOMORPHOLOGY:
ALTATERRA CONSULTING LLC
10333 40TH AVE NE
SEATTLE, WA 98125
PH: (206) 418-8084

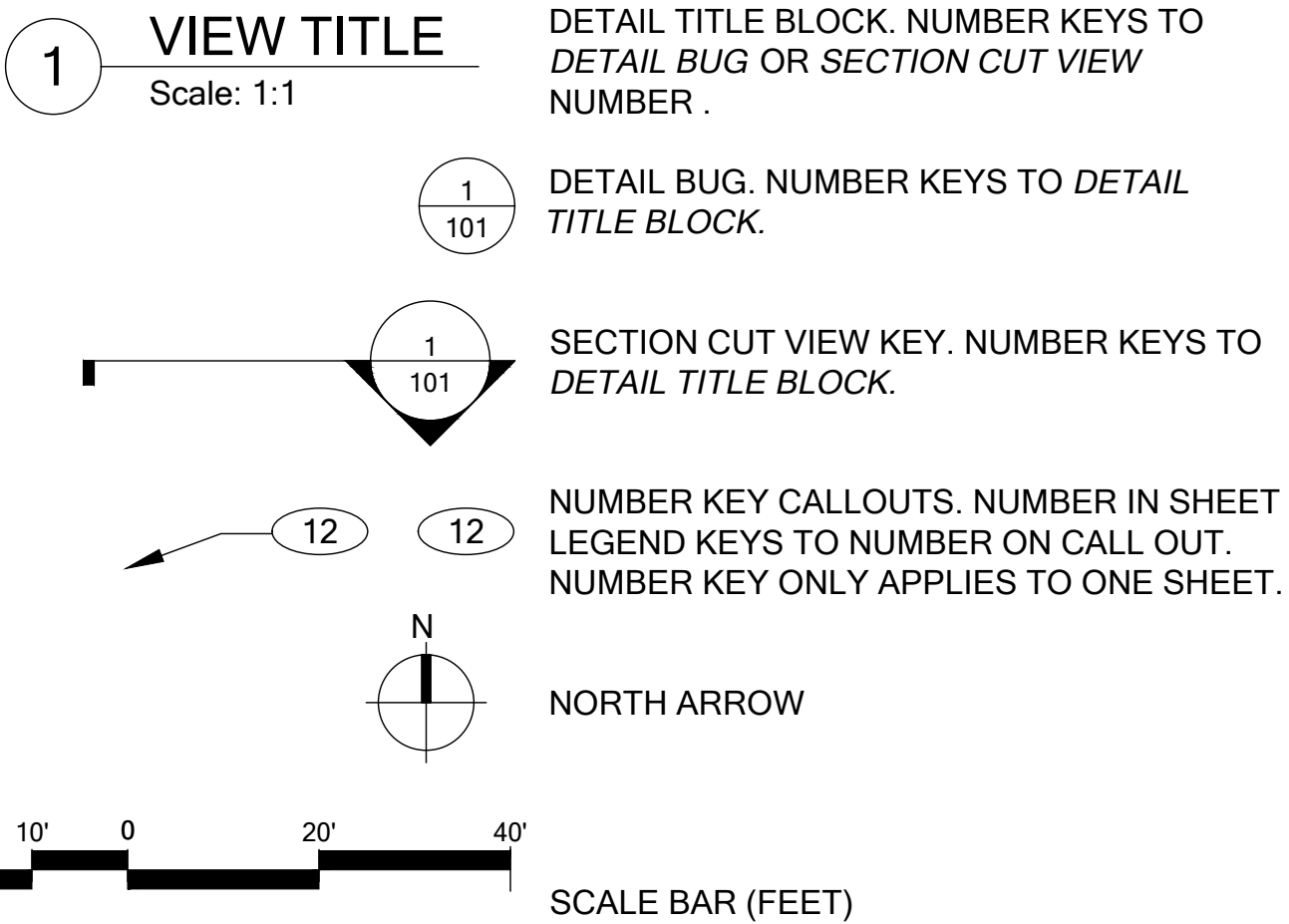
SURVEY:
LANKTREE LAND SURVEYING, INC.
25510 74TH AVENUE SOUTH
KENT, WA 98032
OFFICE: (253) 653-6423, EXT. 101
DIRECT: (253) 285-4232

GEOTECHNICAL:
HWA GEOSCIENCES, INC.
21312 30TH DRIVE SE, SUITE 110
BOTHELL, WA 98021
OFFICE: (425) 774-0106 EXT. 242
DIRECT: (425) 499-6909

SHEET INDEX

SHEET NO.	DWG. NO.	SHEET TITLE
1	G01	COVER SHEET
2	G02	GENERAL NOTES
3	C01	EXISTING CONDITIONS PLAN
4	C02	TREE PROTECTION, ESC & DEMOLITION PLAN
5	C03	TEMPORARY STREAM DIVERSION AND FISH EXCLUSION PLAN
6	C04	DRAINAGE & GRADING PLAN
7	C05	CREEK PROFILE & TYPICAL SECTION
8	C06	CREEK CROSS SECTIONS
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11	C09	ESC DETAILS
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18	L04	LANDSCAPE DETAILS

COMMONLY USED SYMBOLS AND ABBREVIATIONS



Know what's below.
Call before you dig.

NO. DATE BY REVISION

DCG WATERSHED

9706 4th Ave NE
Suite 300
Seattle, WA 98115
P: 206.523.0024
www.dcgwatershed.com

PRELIMINARY

CALL 811
2 BUSINESS DAYS
BEFORE YOU DIG
(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)

COTTAGE LAKE CREEK WEIR REMOVAL
MID PUGET SOUND FISHERIES ENHANCEMENT GROUP
WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 444350TRCT)
2210.0405.01

COVER SHEET

DATE: 3/18/2024
PLAN NUMBER:
G01
SHEET 1 OF 18

BASE MAP/TOPOGRAPHY PROVIDED BY OTHERS. DCG/WATERSHED CANNOT BE HELD LIABLE FOR ACCURACY. CONTRACTOR SHALL FIELD VERIFY GRADES, UTILITIES AND ALL OTHER EXISTING FEATURES AND CONDITIONS. IF CONDITIONS ARE NOT AS SHOWN AND/OR PLANS CANNOT BE CONSTRUCTED AS SHOWN, CONTACT DCG/WATERSHED PRIOR TO CONSTRUCTION.

FEDERAL WAY | KIRKLAND | MOUNT VERNON | SEATTLE | SPOKANE | WIDEBEY ISLAND

FILE LOCATION: P:\CLIENTS\CIVIL PUBLIC\WID SOUND FISHERIES\210.0405.01_MSEG C.C. WEIR - PHASE 2 DRAWINGS\G02\GENERAL NOTES.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) - LAST MODIFIED BY: NME HECK
PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: J.L. GJ DRAWN BY: J.L. GJ CHECKED BY: J.L. GJ

GENERAL NOTES:

- SEE ASSOCIATED PROJECT SPECIFICATIONS FOR MATERIALS AND WORKMANSHIP. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, THE KING COUNTY CODE (KCC), ROAD STANDARDS (KCRS), WASHINGTON STATE DOT (WSDOT) STANDARD SPECIFICATIONS AND THE CONDITIONS OF PRELIMINARY APPROVAL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO MID PUGET SOUND FISHERIES ENHANCEMENT GROUP.
- APPROVAL OF THIS WEIR REMOVAL AND STREAM RESTORATION PLAN DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION (E.G. DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS, ELECTRICAL, ETC.)
- BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN THE APPLICANT, THE APPLICANT'S PROJECT REPRESENTATIVE, AND THE CONSTRUCTION CONTRACTOR.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- GRADING ACTIVITIES (SITE ALTERATION) ARE LIMITED TO THE HOURS OF 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY AND 10 A.M. TO 5 P.M. ON SUNDAY, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.
- IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING OFF-SITE WORK. EASEMENTS REQUIRE REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- FRANCHISED UTILITIES OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS SHALL NOT BE CONSTRUCTED UNLESS AN APPROVED SET OF PLANS THAT MEET ALL REQUIREMENTS OF KCRS CHAPTER 8 ARE SUBMITTED TO THE DDES'S LAND USE INSPECTION SECTION THREE DAYS PRIOR TO CONSTRUCTION.
- DATUM SHALL BE KCAS UNLESS OTHERWISE APPROVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY.

EROSION AND SEDIMENTATION CONTROL NOTES:

- APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, IF REQUIRED, PRIOR TO CONSTRUCTION (SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
- 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 AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.).
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
- 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 COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- ANY AREA NEEDED ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
- ROADWAY CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.
- COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE SURFACE WATER DESIGN MANUAL.
- PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DDES INSPECTOR FOR REVIEW.

TEMPORARY STREAM DIVERSION AND FISH EXCLUSION GENERAL NOTES:

- THE TEMPORARY STREAM DIVERSION SYSTEM SHOWN ON PLAN IS A MINIMUM AND SUGGESTED ONLY; APPROVED EQUIVALENTS MAY BE ACCEPTED. THE CONTRACTOR SHALL SUBMIT THE TEMPORARY STREAM DIVERSION AND FISH EXCLUSION PLAN TO THE PROJECT REPRESENTATIVE FOR REVIEW AND APPROVAL. RELOCATE, ADJUST AND AMEND AS NECESSARY TO MEET APPLICABLE CONSTRUCTION AND WATER QUALITY STANDARDS.
- THE TEMPORARY STREAM DIVERSION AND FISH EXCLUSION SYSTEM AND PLAN SHALL MEET ALL PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY STREAM DIVERSION MEASURES AFTER COMPLETION OF PROJECT.
- THE TEMPORARY STREAM DIVERSION SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTION.
- FISH EXCLUSION AND FISH REMOVAL SHALL BE PERFORMED BEFORE IN-WATER WORK IN ACCORDANCE WITH THE WASHINGTON DEPARTMENT OF FISH AND WILDLIFE HPA. ISOLATE THE CREEK REACH WORK AREA, INSTALL BYPASS PIPE, AND EXECUTE FISH REMOVAL USING A SEINE AND ELECTRO-SHOCKING METHOD PRIOR TO THE START OF DEWATERING ACTIVITIES. ANY REMAINING FISH SHALL BE GATHERED AND RELOCATED AS THE WATER LEVEL IS DRAWN DOWN. HAND NETS AND BUCKETS SHALL BE KEPT ON HAND TO NET AND RELOCATE FISH THAT WERE MISSED DURING REMOVAL OR THAT BYPASSED FISH SCREENS.
- CONTRACTOR SHALL REMOVE AND WASTEHAUL COFFERDAM AFTER STREAM FLOWS HAVE BEEN RELOCATED INTO THE NEW CHANNEL.

SUGGESTED CONSTRUCTION SEQUENCE:

- PERFORM SITE PREPARATION, INSTALL TREE PROTECTION FENCING, AND INSTALL TESC MEASURES. SEE EROSION AND SEDIMENT CONTROL RECOMMENDED CONSTRUCTION SEQUENCE NOTES.
- INSTALL TEMPORARY BLOCK NETS/FISH SCREENS AT UPSTREAM AND DOWNSTREAM ENDS AND CONDUCT INITIAL FISH REMOVAL PRIOR TO BEGINNING TO DEWATER THE ISOLATED WORK AREA, MAKING INITIAL PASSES USING SEINES AND DIPNETS. CAPTURED FISH ARE TO BE TRANSPORTED IN BUCKETS AND RELEASED TO UNAFFECTED STREAM REACHES DOWNSTREAM.
- CONDUCT ADDITIONAL PASSES BY ELECTROFISHING TO REMOVE REMAINING FISH, CONTINUING UNTIL ESSENTIALLY NO MORE FISH ARE CAPTURED WITH SUCCESSIVE PASSES.
- INSTALL COFFERDAM AND TEMPORARY STREAM DIVERSION SYSTEM ALONG THE PROJECT CHANNEL SECTION TO BE WORKED AND DIVERT FLOWS AROUND THE PROJECT SITE. SEE TEMPORARY STREAM DIVERSION AND FISH EXCLUSION NOTES.
- PERFORM DEWATERING AND CONTINUE SUCCESSIVE FISHING PASSES AS THE WORK AREA IS INCREMENTALLY DEWATERED. IN THE FINAL DEWATERING STAGES, ANY REMAINING FISH STRANDED IN RESIDUAL POOLS OR DEPRESSIONS ARE TO BE CAPTURED USING DIPNETS.
- CONDUCT WEIR AND BRIDGE ABUTMENT DEMOLITION AND EXCAVATION.
- CONDUCT STREAM CHANNEL AND BANK EXCAVATION.
- POSITION LARGE WOODY MATERIAL (LOGS).
- INSTALL EARTH ANCHOR SYSTEM AND FASTEN TO LARGE WOODY MATERIAL.
- INSTALL STREAMBED COBBLE MIX, BURY LOG ENDS AND FORM POOL DEPRESSIONS WHERE SHOWN.
- CONDUCT STREAM CHANNEL AND BANK FINISH GRADING.
- SHOULD ANY PORTION OF THE ISOLATED WORK AREA BECOME RE-WATERED BEFORE WORK IS COMPLETED FOR ANY REASON (SUCH AS BREACHING OF COFFERDAM DUE TO HIGH FLOWS) THE ISOLATED AREA(S) ARE TO BE CHECKED FOR FISH PRESENCE BY REPEATING THE FISH REMOVAL AND RELOCATION PROCESS AS LISTED IN STEPS 2-5, ABOVE, AS IT IS AGAIN DE-WATERED SO THAT WORK CAN RESUME.
- CONDUCT TRAIL GRADING AND INSTALLATION. INSTALL PLANTINGS AND CONDUCT FINAL SITE STABILIZATION. COLLECT ANY BROKEN LIMBS AND SMALL PROJECT DEBRIS THAT MAY HAVE RESULTED FROM PROJECT CONSTRUCTION, "SLASH", AND WORK WITH THE PROJECT REPRESENTATIVE FOR INSTALLATION WITHIN PROJECT AREA.
- INSTALL SILTATION BMPS AND DIVERT STREAM FLOWS THROUGH THE PROJECT REACH BY FIRST REMOVING DOWNSTREAM TEMPORARY COFFERDAMS AND TEMPORARY STREAM DIVERSION MATERIALS THEN THE REMAINING UPSTREAM TEMPORARY COFFERDAMS. THE DIVERSION PROCESS SHALL BE CONDUCTED SLOWLY ENOUGH TO MAINTAIN FLOW IN CHANNEL SECTIONS DOWNSTREAM OF THE PROJECT AREA.
- UPON COMPLETION OF WORK ALL TEMPORARY EROSION AND CONTROL MEASURES, TEMPORARY STREAM DIVERSION MATERIALS, AND EQUIPMENT SHALL BE REMOVED. RESTORE ANY DAMAGED AREAS AND CONDUCT FINAL CLEANUP.

EROSION AND SEDIMENT CONTROL RECOMMENDED CONSTRUCTION SEQUENCE:

- HOLD PRE-CONSTRUCTION MEETING.
- POST SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR (MAY BE CONSOLIDATED WITH THE REQUIRED NOTICE OF CONSTRUCTION SIGN).
- FLAG OR FENCE CLEARING LIMITS.
- INSTALL CATCH BASIN PROTECTION IF REQUIRED.
- GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
- INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
- GRADE AND STABILIZE CONSTRUCTION ROADS.
- CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
- MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE KING COUNTY EROSION AND SEDIMENT CONTROL STANDARDS.
- COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT.
- STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.
- SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMPS REMOVED IF APPROPRIATE.

ABBREVIATIONS:

- BM = BENCHMARK
BP = BIOPLANTER
BOTS = BOTTOM OF STAIR
BOTW = TOP OF WALL
CB = CATCH BASIN
CL = CENTER LINE
CONC = CONCRETE
CW = CONCRETE WALK
DBH = DIAMETER AT BREAST HEIGHT
DI = DUCTILE IRON
GR = GRADE
EL = ELEVATION
EOP = EDGE OF PAVEMENT
EX = EXISTING
EG = EXISTING GRADE
FF = FINISHED FLOOR
FG = FINISHED GRADE
FL = FLOWLINE
IE = INVERT ELEVATION
LSCAPE = LANDSCAPING
LT = LEFT
M.I.C. = MONUMENT IN CASE
NO. = NUMBER
PC = POINT OF CURVE
PT = POINT OF TANGENT
RT = RIGHT
SD = STORM DRAIN
STA = STATION
STD = STANDARD
TOC = TOP OF CURB
TOP = TOP OF PAVEMENT
TOPS = TOP OF STAIR
TOPW = TOP OF WALL
TYP = TYPICAL
W/ = WITH
WM = WATER MAIN

LEGEND:

	TEMPORARY CONSTRUCTION ROAD			EXISTING MINOR CONTOUR
	TEMPORARY CONSTRUCTION ENTRANCE			EXISTING MAJOR CONTOUR
	CONC WEIR DEMOLITION			MINOR CONTOUR
	GRAVEL DEMOLITION			MAJOR CONTOUR
	SALVAGED BRICK			TREE PROTECTION FENCING
	SEDIMENT MAT			HIGH VISIBILITY FENCE
	GRAVEL TRAIL			LANDSCAPE WALL
	STREAMBED MATERIAL			TREE REMOVAL
	LANDSCAPE RESTORATION AREA SEE LANDSCAPE PLANS			SUPERSACK FILLED WITH ROUNDED GRAVEL
	STREAM BYPASS			DEWATERING PUMP
	SILT FENCE			TURBIDITY MONITORING STATION
	COIR LOGS			LWM STRUCTURE A - LOG W/ ROOT WAD
	GRADING LIMITS			LWM STRUCTURE B - ROOT WAD
	LIMITS OF CONSTRUCTION			LWM STRUCTURE C - KEY LOG W/ ROOT WAD
	PERFORATED PIPE			
	STORM DRAIN PIPE			
	GRAVEL SPILL PAD			

	NO.	DATE	BY	REVISION
9706 4th Ave NE Suite 300 Seattle, WA 98115		P: 206.523.0024 www.dcwatershed.com		BASE MAP TO GEOGRAPHY PROVIDED BY OTHERS. DCWATERSHED CANNOT BE HELD LIABLE FOR ACCURACY. CONTRACTOR SHALL FIELD VERIFY GRADES, UTILITIES AND ALL OTHER EXISTING FEATURES AND CONDITIONS. IF CONDITIONS ARE NOT AS SHOWN AND/OR PLANS CANNOT BE CONSTRUCTED AS SHOWN, CONTACT DCWATERSHED PRIOR TO CONSTRUCTION.
FEDERAL WAY KIRKLAND MOUNT VERNON SEATTLE SPOKANE WIDEBEY ISLAND				
CALL 811 2 BUSINESS DAYS BEFORE YOU DIG (UNDERGROUND UTILITY LOCATIONS ARE APPROX.)				
COTTAGE LAKE CREEK WEIR REMOVAL MID PUGET SOUND FISHERIES ENHANCEMENT GROUP WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344307TRCT) 2210.0405.01				
GENERAL NOTES				
DATE: 3/18/2024 PLAN NUMBER: G02 SHEET 2 OF 18				



PURPOSE OF THIS SURVEY

THE PURPOSE OF THIS SURVEY IS TO SHOW EXISTING CONDITIONS FOR DEVELOPMENT AND/OR DESIGN

BASIS NAD83(2011) DATUM PER WASHINGTON STATE REFERENCE NETWORK(WSRN)

BASIS NAD83(2011) DATUM WAS ESTABLISHED BY HOLDING WSRN OBSERVATIONS ON MONUMENTS, SAID DIMENSIONS AS SHOWN HEREON.

PROJECT BASE POINT

LATITUDE: N47.734689341
LONGITUDE: W122.078360926
HEIGHT: 120.00
PROJECT COMBINED SCALE: 1.0000412361

VERTICAL DATUM IS NAVD88 PER WSRN TIED TO GEOID18

LOCAL SITE/PROJECT BENCHMARKS

AS SHOWN ON THIS SURVEY

SITE ADDRESS

TRACT "B"
PLAT OF THE POLO CLUB
REC. NO. 199003070629
RECORDS OF KING COUNTY, WA

FLOOD INFORMATION

PARCEL IS LOCATED IN ZONE "AE" - SPECIAL FLOOD HAZARD WITH BASE FLOOD ELEVATION (BFE) OR DEPTH.
PER FEMA PANEL NUMBER 53033C0377G, DATED 8/19/2020.
REFERENCE SURVEYS
R1) PLAT OF THE POLO CLUB
REC. NO. 199003070629, RECORDS OF KING COUNTY, WA
R2) PLAT OF THE HOMESTEAD DIV. 1,
REC. NO. 197811080717, RECORDS OF KING COUNTY, WA
R3) BOUNDARY LINE ADJUSTMENT, REC. NO. 20060216900004,
RECORDS OF KING COUNTY, WA

REFERENCE GIS DATA

G1) GIS MAP PROVIDED OR DOWNLOADED ON 01/27/2023 FROM PUGET SOUND ENERGY.

NOTES

- ALL DISTANCES SHOWN ON THIS SURVEY ARE IN US SURVEY FOOT.
- UTILITIES ARE SHOWN PER SURFACE OBSERVATIONS, UTILITY PAINT MARKINGS PER PRIVATE UTILITY LOCATOR ENLISTED AS PART OF THIS SURVEY AND PERFORMED BY APPLIED PROFESSIONAL SERVICES INC. AND OTHER REFERENCE INFORMATION. QUOTED ACCURACY OF UTILITIES SHOWN PER UTILITY LOCATE PAINT MARKINGS ARE 1.5'± HORIZONTALLY. VERTICAL UTILITY INFORMATION IS SHOWN TO THE SIGNIFICANT FIGURE AT WHICH THEY WERE MEASURED, BUT INHERENT ERROR EXISTS IN RESTRICTION OF ACCESS TO UNDERGROUND UTILITIES. UTILITIES SHOWN PER REFERENCE INFORMATION ARE PER BEST FIT AND INTERPOLATION AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION. FOR EXACT UTILITY DEPTH AND LOCATION INFORMATION, IT IS RECOMMENDED THAT POTHOLING BE PERFORMED.
- FIELD SURVEY WAS COMPLETED IN FEBRUARY 2023 AND ALL MONUMENTS SHOWN AS FOUND WERE VISITED AT THIS TIME OR AS NOTED.
- WETLAND FLAGS & DATA WERE PROVIDED BY THE WATERSHED COMPANY (TWC), SITE VISIT 1/17/23, TWC REF NO. 221032.
- CONVENTIONAL CONTOUR MAPPING WAS SUPPLEMENTED WITH LIDAR DATA WHERE NOTED.

PROCEDURE / NARRATIVE:

A FIELD TRAVERSE USING A TRIMBLE S7 & SX10 ROBOTIC TOTAL STATION AND DATA COLLECTOR SUPPLEMENTED WITH FIELD NOTES AND SPECTRA PRECISION SP80 NETWORK RTK GPS ROVER, WAS PERFORMED, ESTABLISHING THE ANGULAR, DISTANCE, AND VERTICAL RELATIONSHIPS BETWEEN THE MONUMENTS, PROPERTY LINES AND IMPROVEMENTS. THE RESULTING DATA MEETS OR EXCEEDS THE STANDARDS FOR LAND BOUNDARY SURVEYS AS SET FORTH IN WAC 332-130-090.

NO.	DATE	BY	REVISION

BASE MAP PHOTOGRAPHY PROVIDED BY OTHERS. DCG WATERSHED CANNOT BE HELD LIABLE FOR ACCURACY. CONTRACTOR SHALL FIELD VERIFY GRADES, UTILITIES AND ALL OTHER EXISTING FEATURES AND CONDITIONS. IF CONDITIONS ARE NOT AS SHOWN AND/OR PLANS CANNOT BE CONSTRUCTED AS SHOWN, CONTACT DCG WATERSHED PRIOR TO CONSTRUCTION.

DCG WATERSHED

9706 4th Ave NE
Suite 300
Seattle, WA 98115

P: 206.523.0024
www.dcgwatershed.com

FEDERAL WAY | KIRKLAND | MOUNT VERNON | SEATTLE | SPOKANE | WIDEBAY ISLAND

PRELIMINARY

ERIK S. DAVID
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
33723

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(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)

COTTAGE LAKE CREEK WEIR REMOVAL

MID PUGET SOUND FISHERIES ENHANCEMENT GROUP

WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344350TRCT)

2210.0405.01

EXISTING
CONDITIONS PLAN

DATE: 3/18/2024
PLAN NUMBER:
C01
SHEET 3 OF 18

FILE LOCATION: P:\CLIENTS\CIVIL PUBLIC\WID SOUND FISHERIES\210405.01\MSFG C.C. WEIR - PHASE 2\DRAWINGS\CAD\ACTIVITY\ESC\DEMOLITION & ESC PLAN.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED (18.00 X 24.00 INCHES) - LAST MODIFIED BY: JME HECK
PRINCIPAL: ED PROJECT MANAGER: ED GJ DESIGNED BY: JLG CHECKED BY: JLG
DRAWN BY: JLG

TREE PROTECTION, ESC & DEMOLITION PLAN

SCALE 1" = 10'

GENERAL NOTES

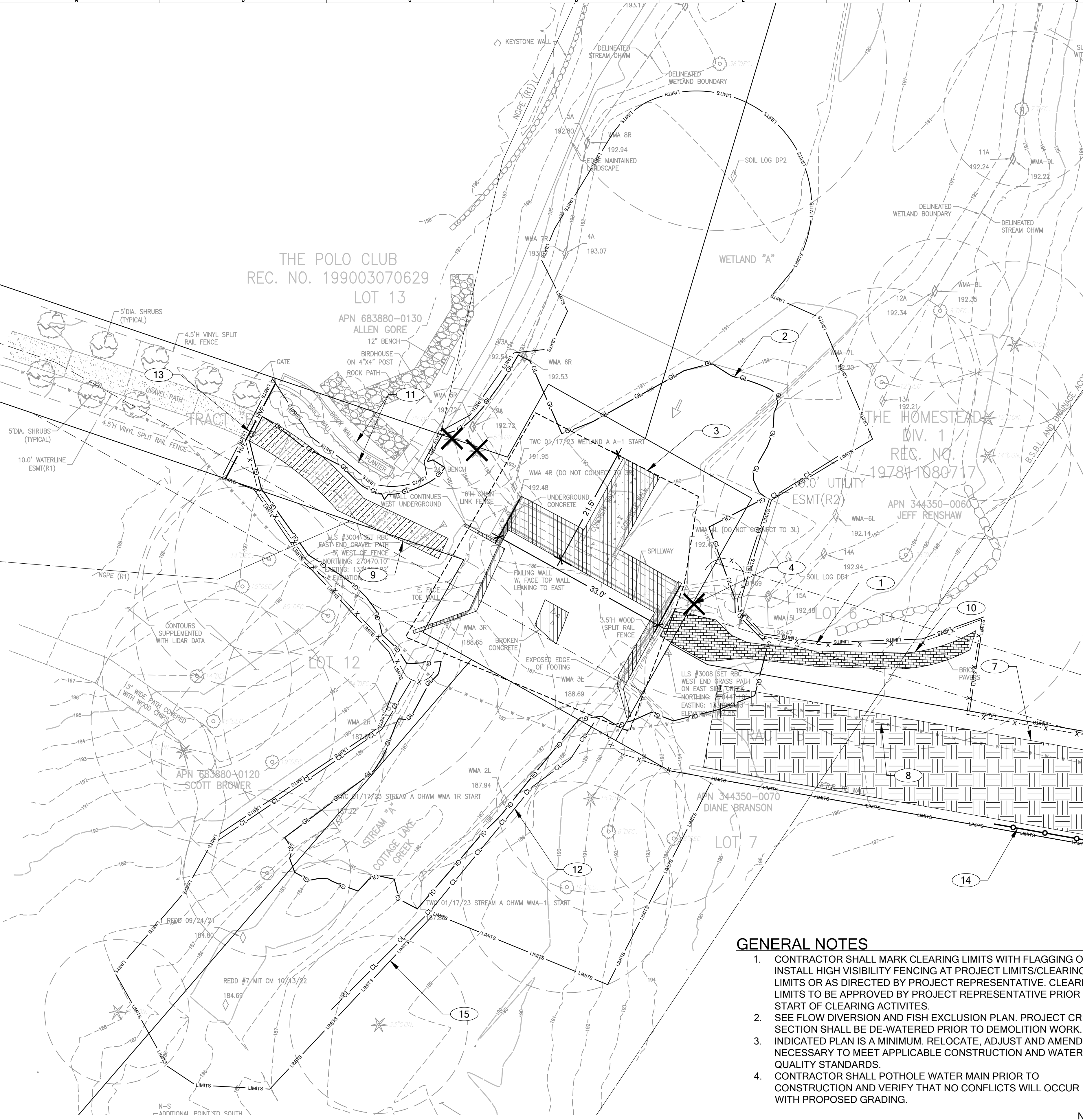
- CONTRACTOR SHALL MARK CLEARING LIMITS WITH FLAGGING OR INSTALL HIGH VISIBILITY FENCING AT PROJECT LIMITS/CLEARING LIMITS OR AS DIRECTED BY PROJECT REPRESENTATIVE. CLEARING LIMITS TO BE APPROVED BY PROJECT REPRESENTATIVE PRIOR TO START OF CLEARING ACTIVITIES.
- SEE FLOW DIVERSION AND FISH EXCLUSION PLAN. PROJECT CREEK SECTION SHALL BE DE-WATERED PRIOR TO DEMOLITION WORK.
- INDICATED PLAN IS A MINIMUM. RELOCATE, ADJUST AND AMEND AS NECESSARY TO MEET APPLICABLE CONSTRUCTION AND WATER QUALITY STANDARDS.
- CONTRACTOR SHALL POTHOLE WATER MAIN PRIOR TO CONSTRUCTION AND VERIFY THAT NO CONFLICTS WILL OCCUR WITH PROPOSED GRADING.

TEMPORARY CONSTRUCTION ACCESS NOTES

- TEMPORARY CONSTRUCTION ACCESS TO BE ROUTED TO MINIMIZE VEGETATION DISTURBANCE.
- TEMPORARY CONSTRUCTION ACCESS TO BE 6" - 12" THICK. ACCESS SHALL BE MAINTAINED BY IMPORT OF WOOD CHIPS, HOG FUEL, GRAVEL, AND/OR QUARRY SPALLS. ALL GRAVEL OR QUARRY SPALLS TO BE UNDERLAIN WITH GEOTEXTILE AND REMOVED FOLLOWING COMPLETION OF WORK.
- TEMPORARY CONSTRUCTION ACCESS SHALL BE SCARIFIED AND DECONSTRUCTED UPON COMPLETION OF WORK TO PREVENT FUTURE ACCESS.
- REVEGETATE TEMPORARY CONSTRUCTION ACCESS FOLLOWING COMPLETION OF WORK.

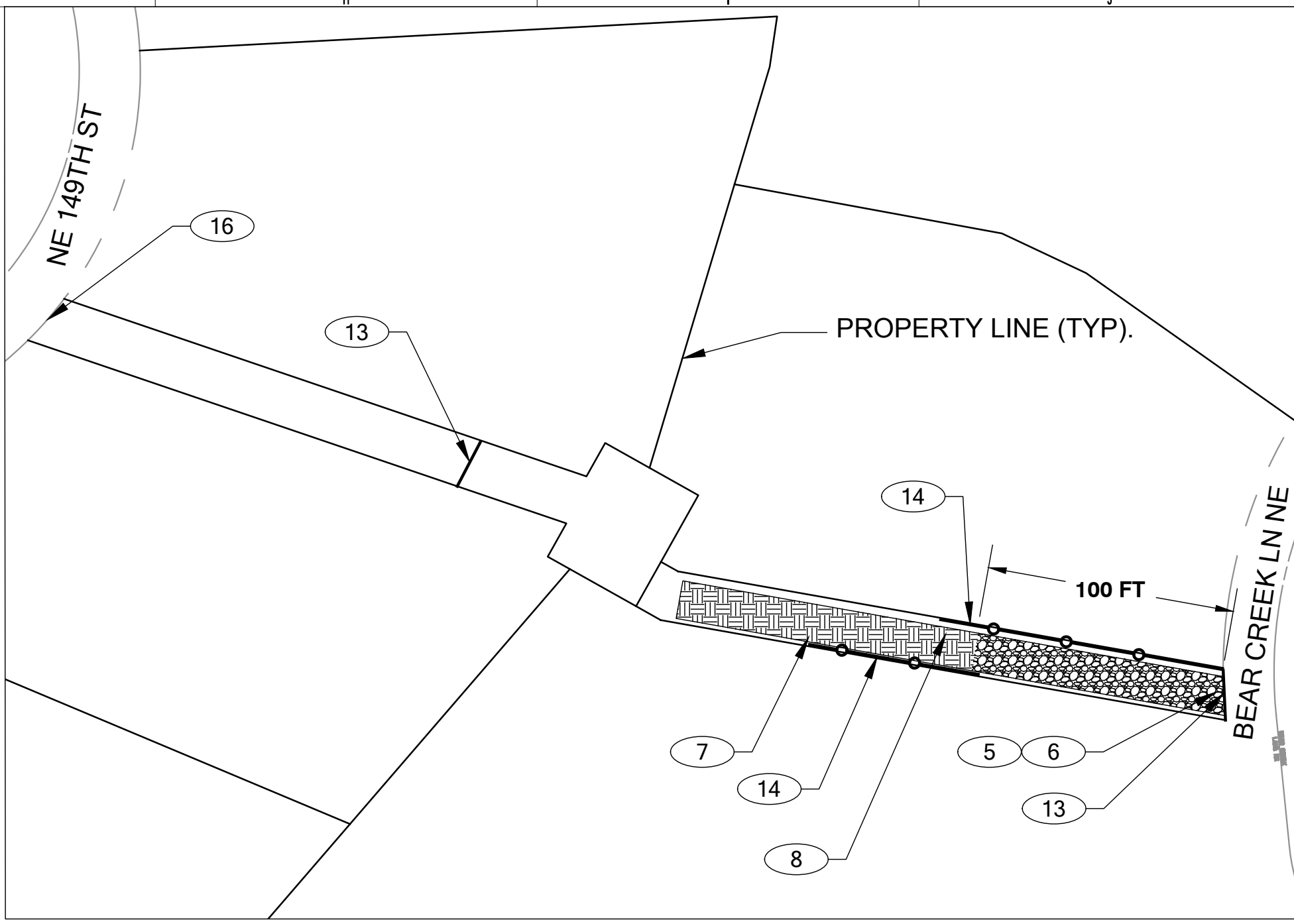
KEY NOTES

- INSTALL SILT FENCE. RELOCATE THROUGHOUT CONSTRUCTION TO ACCOMMODATE WORKABLE AREA OR AS DIRECTED BY PROJECT REPRESENTATIVE (TYP).
- GRADING LIMITS.
- CONCRETE WEIR, WALLS, AND BRIDGE ABUTMENTS TO BE REMOVED.
- TREE TO BE REMOVED (TYP).
- INSTALL TEMPORARY CONSTRUCTION ENTRANCE AND PARKING ACCESS FROM BEAR CREEK LN NE.
- CONTRACTOR SHALL NOT TRACK MUD OR DEBRIS INTO BEAR CREEK LN NE. IF MUD OR DEBRIS IS TRACKED ONTO BEAR CREEK LN NE, STREET SWEEPING SHALL BE CONDUCTED IMMEDIATELY.
- INSTALL TEMPORARY CONSTRUCTION ROAD. (SEE TEMPORARY CONSTRUCTION ACCESS NOTES). UTILIZE AREA AS CONSTRUCTION STAGING AND STORAGE AND EXPAND AREA AS NEEDED. CONTRACTOR SHALL DETERMINE FINAL LOCATION AND SUBMIT TO PROJECT REPRESENTATIVE FOR APPROVAL.
- PROTECT WATER MAIN DURING CONSTRUCTION.
- GRAVEL TRAIL SECTION TO BE REMOVED.
- BRICK-PAVED TRAIL TO BE SALVAGED AND STACKED AT A LOCATION TO BE INDICATED BY THE PROPERTY OWNER.
- PROTECT BRICK WALL AND HEDGE.
- INSTALL COIR LOG. RELOCATE THROUGHOUT CONSTRUCTION TO ACCOMMODATE WORKABLE AREA OR AS DIRECTED BY PROJECT REPRESENTATIVE (TYP).
- INSTALL CHAIN LINK FENCE.
- INSTALL TREE PROTECTION FENCING. PROTECT EXISTING TREES AND VEGETATION.
- LIMITS OF CONSTRUCTION.
- NO CONSTRUCTION ACCESS FROM THE WEST SIDE.



CONSTRUCTION ACCESS MAP

SCALE 1"=50'



NO.	DATE	BY	REVISION
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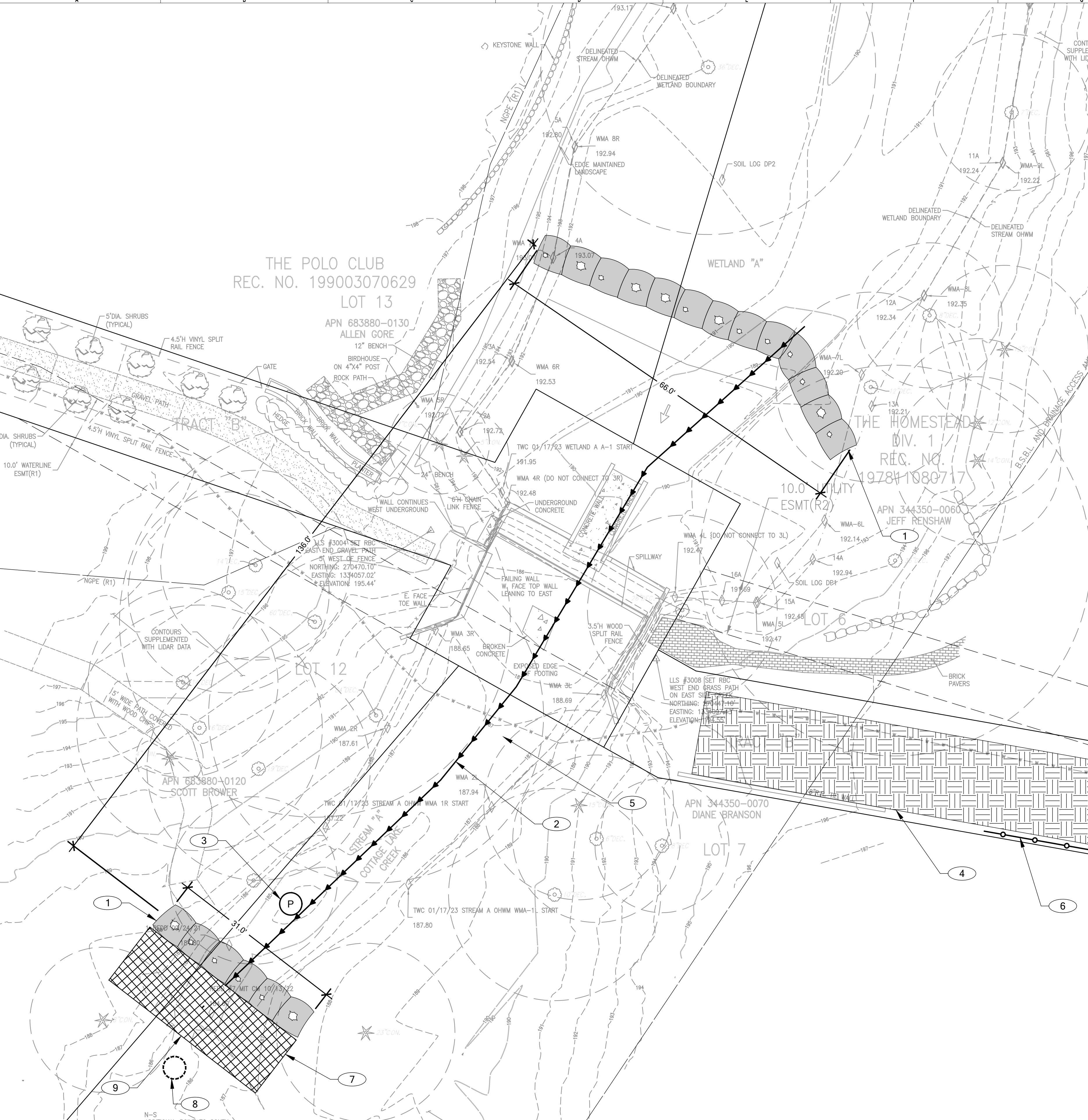
COTTAGE LAKE CREEK WEIR REMOVAL

MID PUGET SOUND FISHERIES ENHANCEMENT GROUP
WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344350TRCT)
2210.0405.01

TREE PROTECTION, ESC & DEMOLITION PLAN

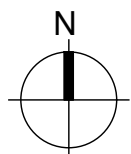
DATE: 3/18/2024
PLAN NUMBER: **C02**
SHEET 4 OF 18

FILE LOCATION: P:\CLIENTS\CIVIL PUBLIC\WID SOUND FISHERIES\210405.01\MSFEG C10 WEB - PHASE 2\DRAWINGS\CAD\ACTIVITY\DIVERSION AND FISH EXCLUSION PLAN.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.0 X 24.0) INCHES - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED GJ DESIGNED BY: JL GJ CHECKED BY: JL GJ DRAWN BY: MH



TEMPORARY STREAM DIVERSION AND FISH EXCLUSION PLAN

SCALE 1" = 10'



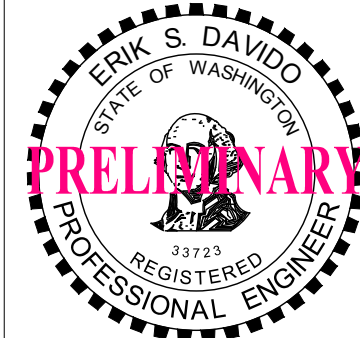
KEY NOTES

- 1 COFFERDAM: SUPERSACK FILLED WITH STREAMBED COBBLES WRAPPED WITH IMPERMEABLE LINER.
- 2 MOVEABLE GRAVITY FLOW STREAM BYPASS PIPE. CONTRACTOR TO SIZE BYPASS PIPE.
- 3 DEWATERING PUMP. WATER PUMPED FROM WORK AREAS SHALL BE DISCHARGED TO A FILTER BAG OR COIR LOG OR SILT FENCE SEDIMENT TRAP LOCATED IN A VEGETATED UPLAND AREA. CONTROL DISCHARGE RATE AND PROVIDE EROSION CONTROL MATTING TO AVOID EROSION AT POINT OF PUMP DISCHARGE.
- 4 SEE SHEET C02 FOR CONSTRUCTION ACCESS.
- 5 PERFORM FISH EXCLUSION WITHIN PROJECT LIMITS AFTER THE WORK AREA IS ISOLATED AND FISH MOVEMENTS INTO THE WORK AREA ARE PREVENTED BY A COMBINATION OF COFFER DAMMING, BLOCK NETTING, FISH SCREENING, AND/OR THE FLOW BYPASS.
- 6 SEE SHEET C02 FOR TREE PROTECTION PLAN.
- 7 SEDIMENT MAT.
- 8 TURBIDITY MONITORING STATION. SEE CONTRACT SPECIFICATIONS FOR MONITORING REQUIREMENTS.
- 9 INSTALL SILTATION BMP'S (I.E. FLOATING SILT CURTAIN) AFTER PROJECT COMPLETION AND DURING COFFERDAM REMOVAL. REMOVE AFTER ALL CONSTRUCTION ACTIVITY COMPLETE.

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WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344350TRCT)

2210.0405.01

TEMPORARY STREAM
DIVERSION AND FISH
EXCLUSION PLAN

DATE: 3/18/2024

PLAN NUMBER:

C03

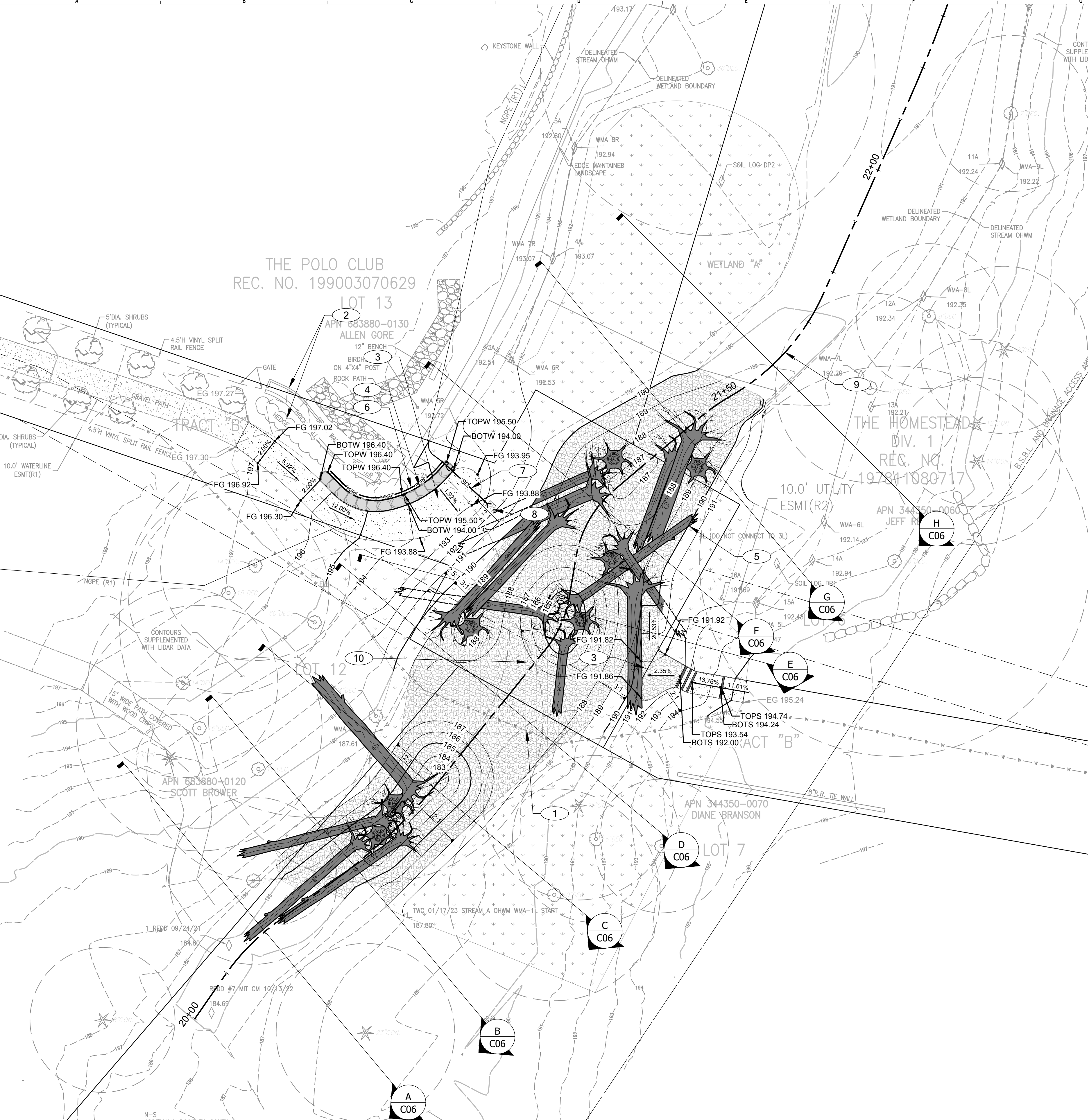
SHEET 5 OF 18

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FILE LOCATION: P:\CLIENTS\CIVIL PUBLIC\WID SOUND FISHERIES\210.0405.01\MSFG C.C. WEIR - PHASE 2\DRAWINGS\04\ACTIVE\WEIR\04-GRADING PLAN & PROFILE.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.0 X 24.0 INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: JL GJ DRAWN BY: MH CHECKED BY: JL GJ

DRAINAGE & GRADING PLAN

SCALE 1" = 10'



KEY NOTES

- 1 PROTECT WATER MAIN DURING CONSTRUCTION.
- 2 PROTECT BRICK WALL AND HEDGE.
- 3 PROPOSED TRAIL AND OVERLOOK. SEE L02 FOR TRAIL PLAN.
- 4 LANDSCAPE WALL. $\frac{1}{L03}$
- 5 SEE SHEET C08 FOR LARGE WOODY MATERIAL PLAN.
- 6 4" UNDERDRAIN.
- 7 4" SD @ 2.00% MIN.
- 8 ROUNDED COBBLE OUTLET PROTECTION 1.5' L X 1.5' W X 0.5' D.
- 9 SEE SHEET C05 FOR CREEK PROFILE.
- 10 TYPICAL CREEK SECTION. $\frac{A}{C05}$

GRADING QUANTITY ESTIMATE:

TOTAL:	
CHANNEL EXCAVATION INCL. HAUL:	220 CY's CUT
EMBANKMENT EXCAVATION:	55 CY's CUT
STREAMBED MATERIAL:	155 CY's FILL

GRADING QUANTITIES GENERATED USING CIVIL 3D SOFTWARE TO COMPARE TRIANGULATED IRREGULAR NETWORKS (TINS). VOLUMES INDICATED ARE COMPARING AN EG SURFACE TO A PREPARED SUBGRADE SURFACE.

CONTRACTOR SHALL PROVIDE INDEPENDENT TAKEOFF FOR BIDDING.

NO.

DATE

BY

REVISION

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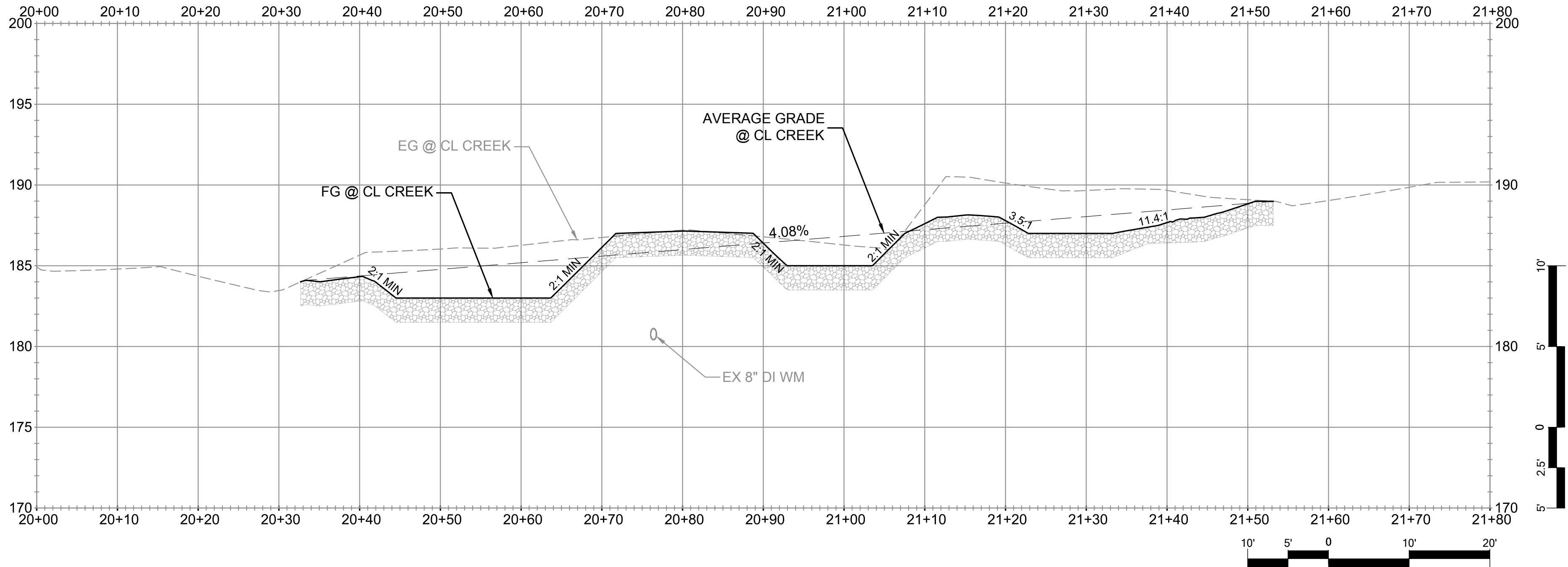
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DATE: 3/18/2024
PLAN NUMBER:
C04
SHEET 6 OF 18

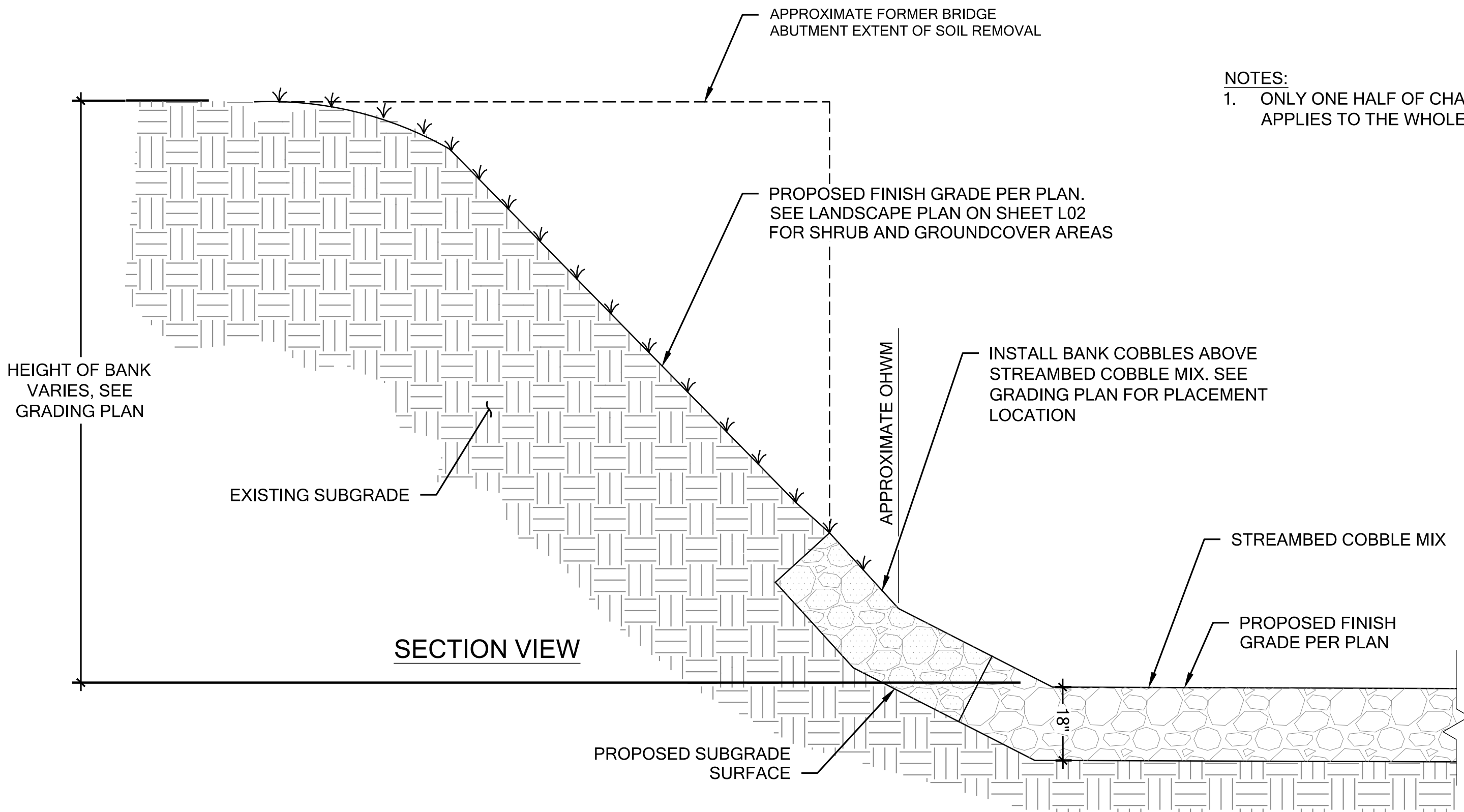
DRAINAGE & GRADING PLAN

FILE LOCATION: P:\CLIENTS\CIVIL - PUBLIC\WID SOUND FISHERIES\210.0405.01 - MSFEG C.C. WEIR - PHASE 2\DRAWINGS\0405\01\WEIR\05-CREEK PROFILE.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.00" X 24.00" INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED GJ DESIGNED BY: JL GJ CHECKED BY: JH



COTTAGE LAKE CREEK PROFILE

SCALE: 1" = 10' H., 1" = 5' V.



NOTES:

1. ONLY ONE HALF OF CHANNEL SHOWN. DETAIL APPLIES TO THE WHOLE CHANNEL AND BOTH BANKS.

A TYPICAL CREEK CROSS SECTION

NOT TO SCALE

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COTTAGE LAKE CREEK WEIR REMOVAL

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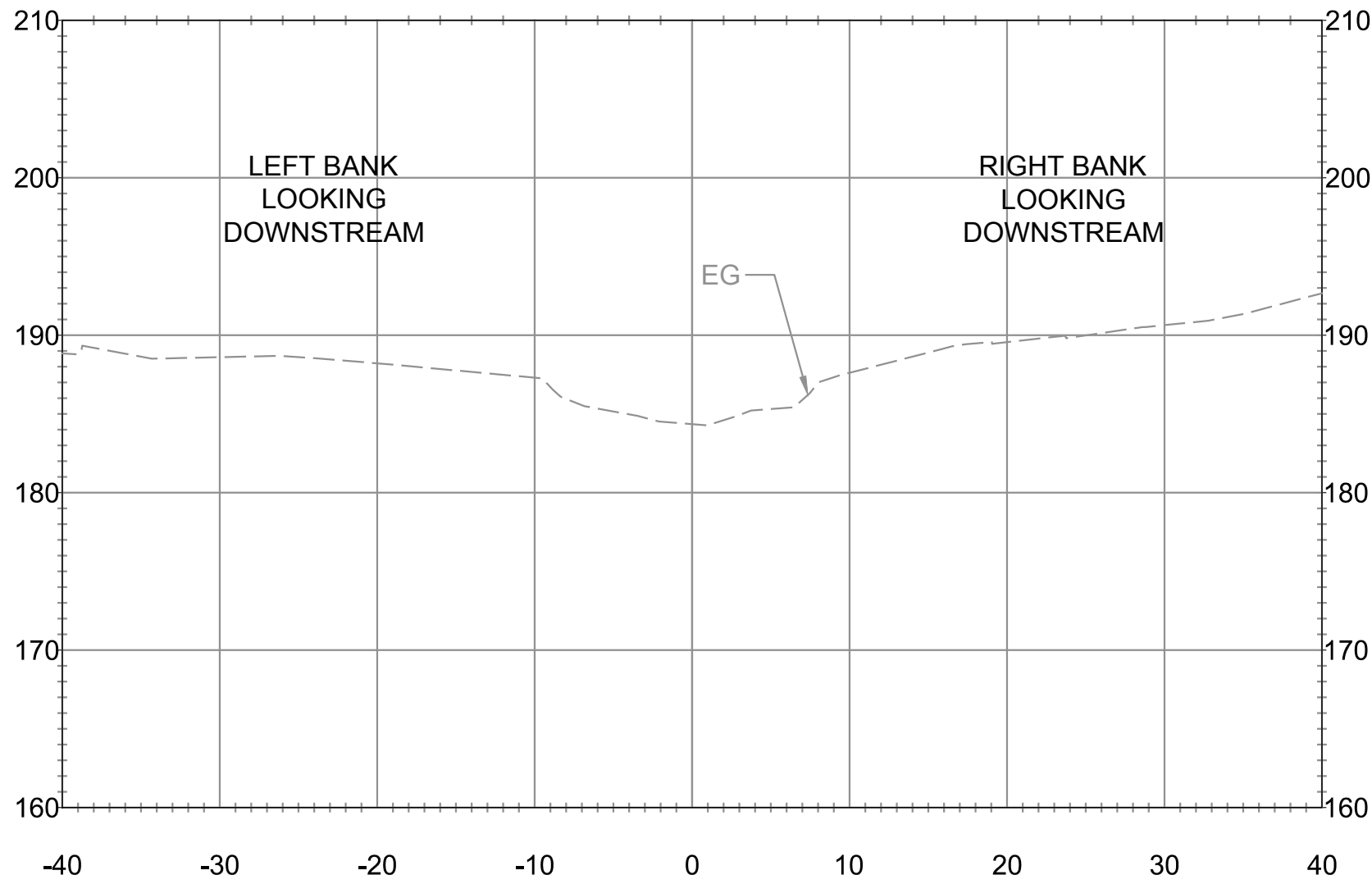
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2210.0405.01

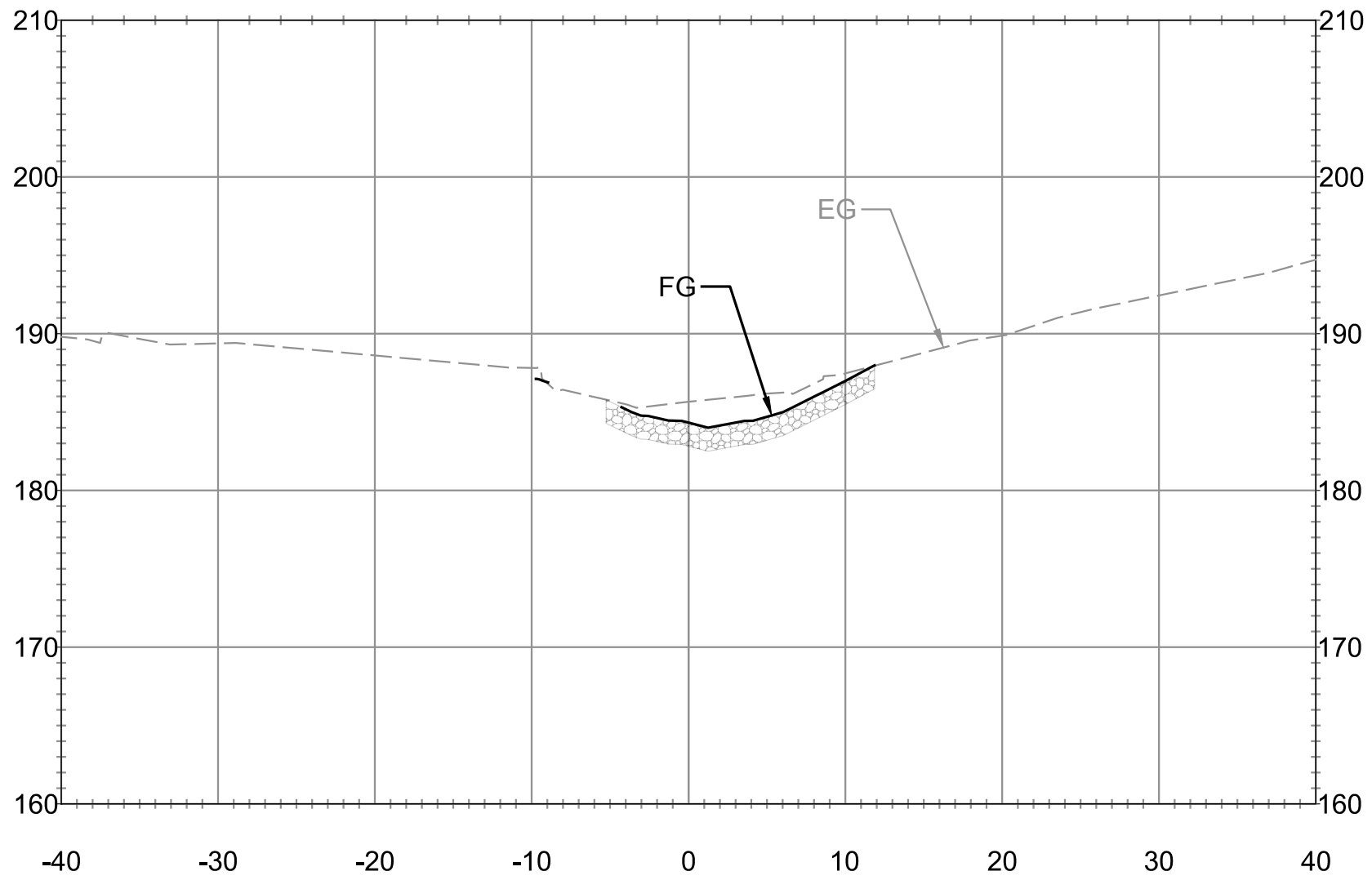
CREEK PROFILE &
TYPICAL SECTION

DATE: 3/18/2024
PLAN NUMBER:
C05
SHEET 7 OF 18

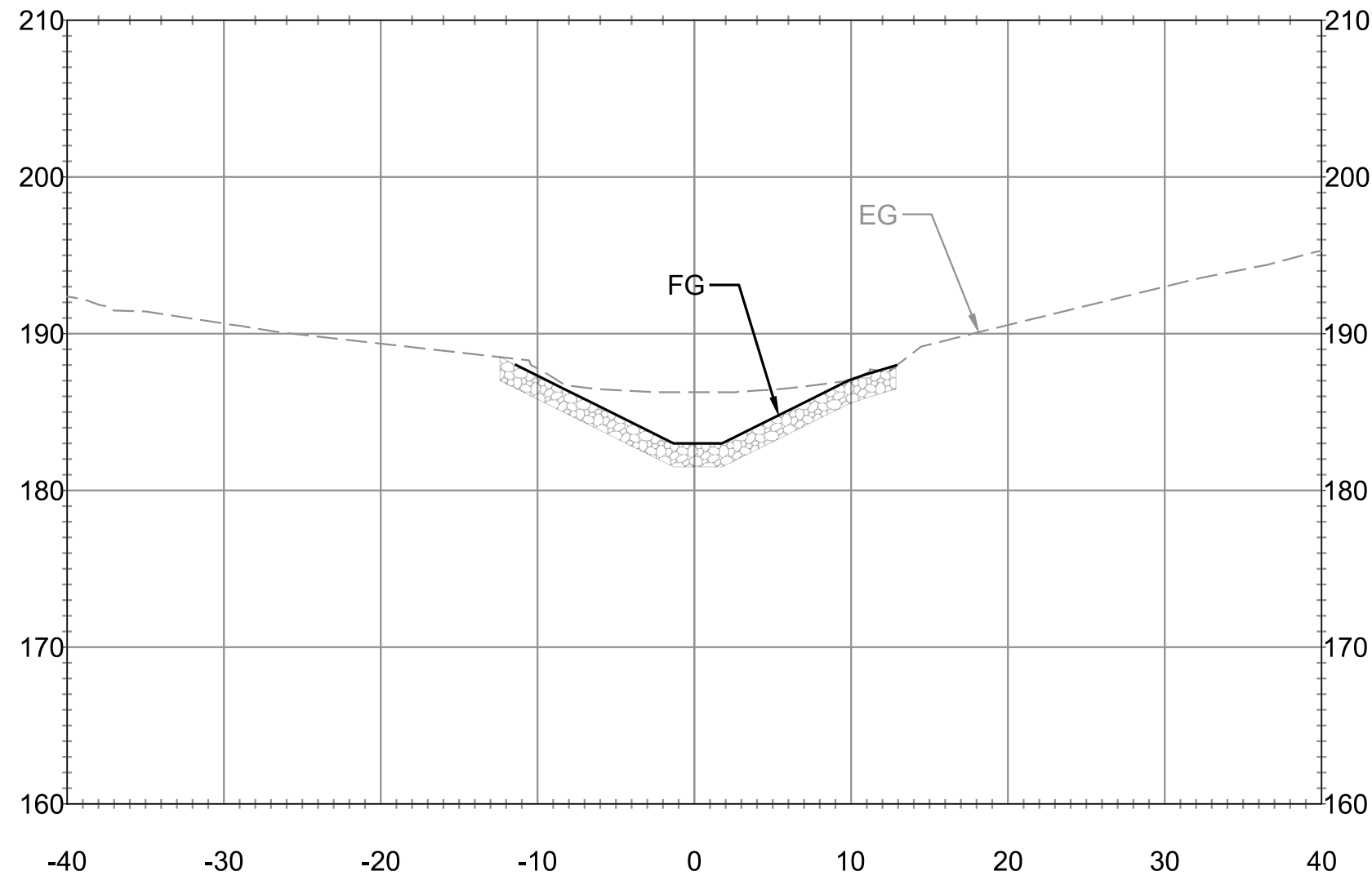
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PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: JL, GJ DRAWN BY: MH CHECKED BY: JL, GJ



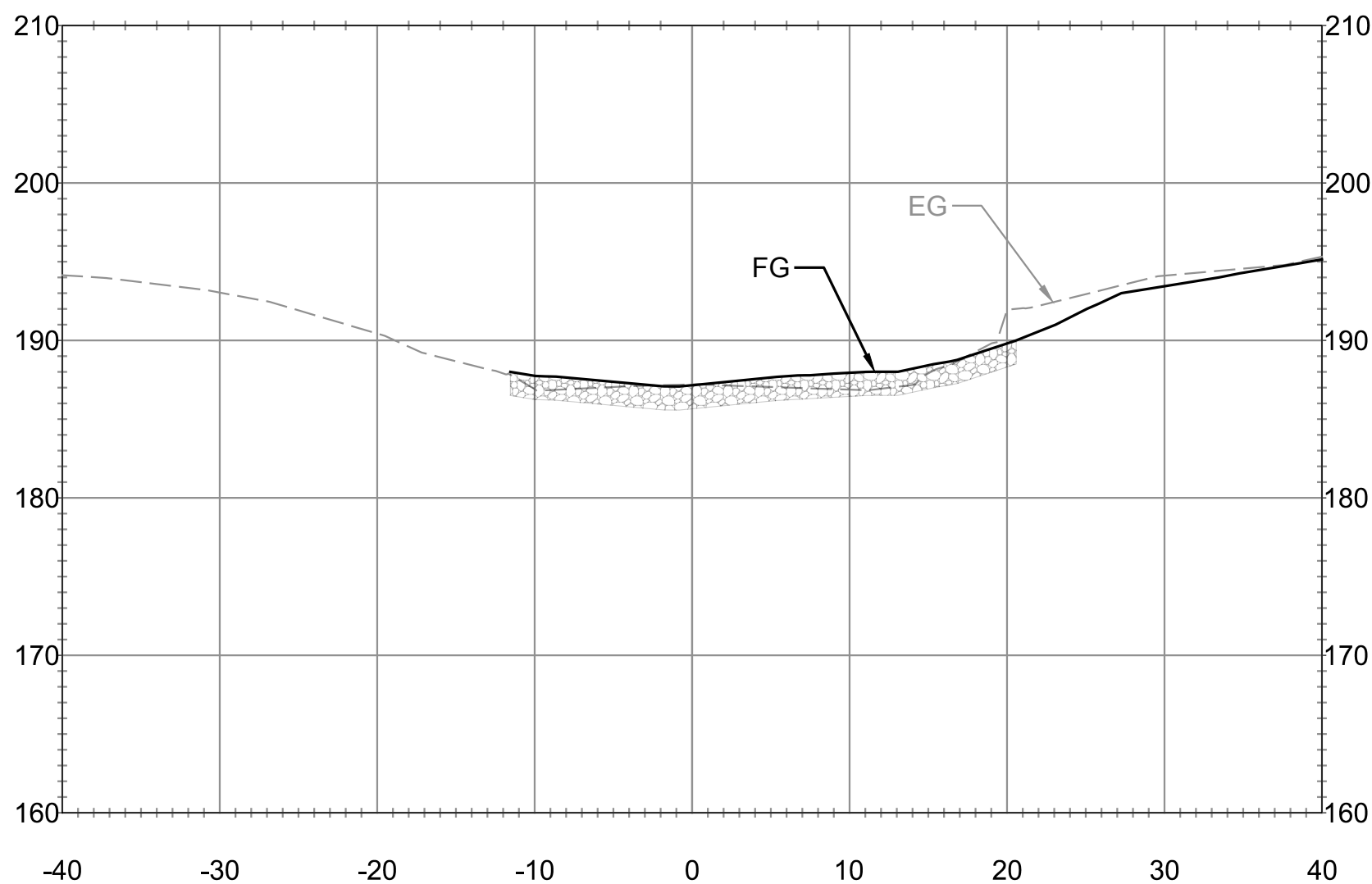
A COTTAGE LAKE CREEK SECTION - STA 20+20
SCALE: 1 = 10'



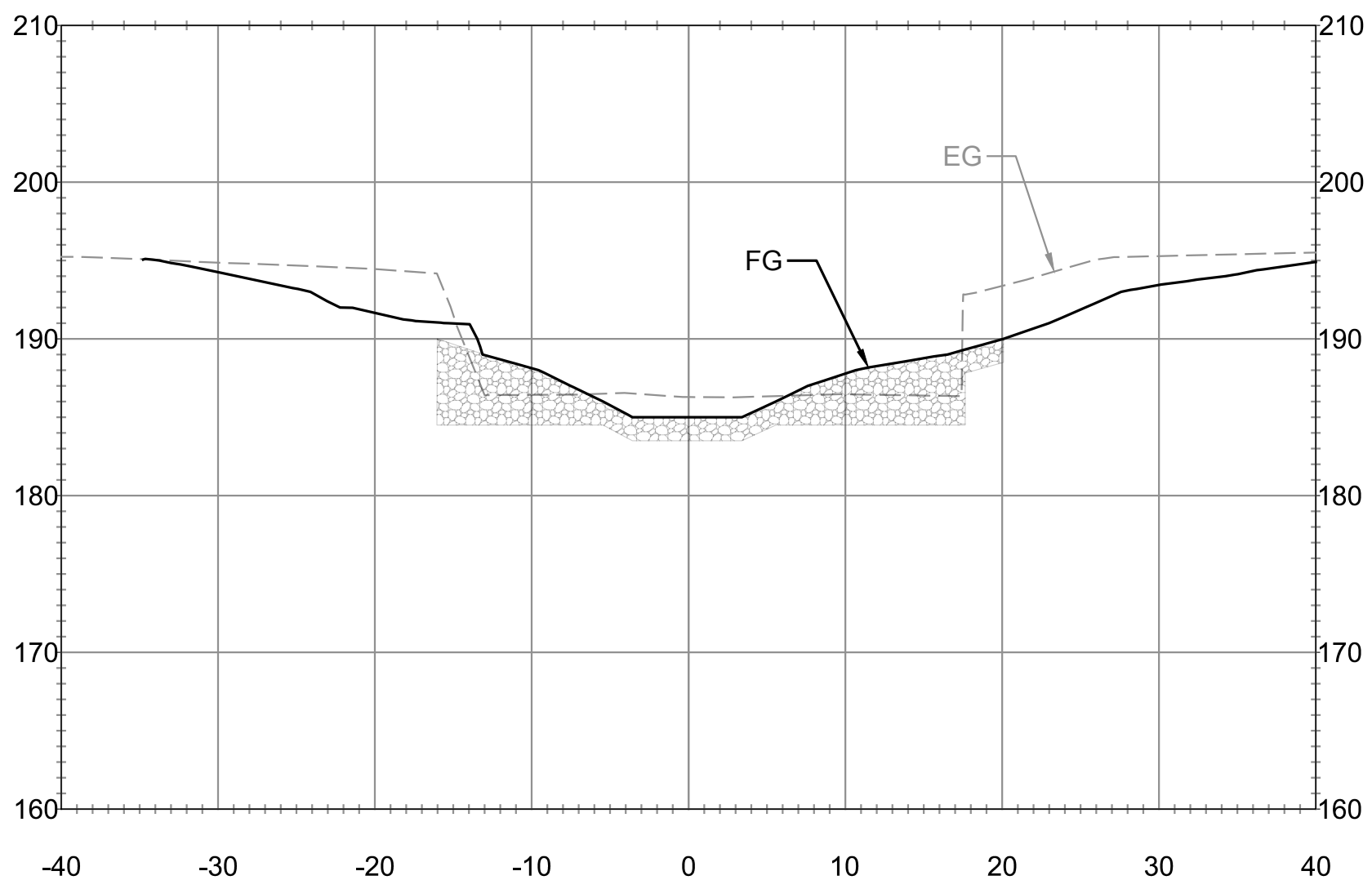
B COTTAGE LAKE CREEK SECTION - STA 20+40
SCALE: 1 = 10'



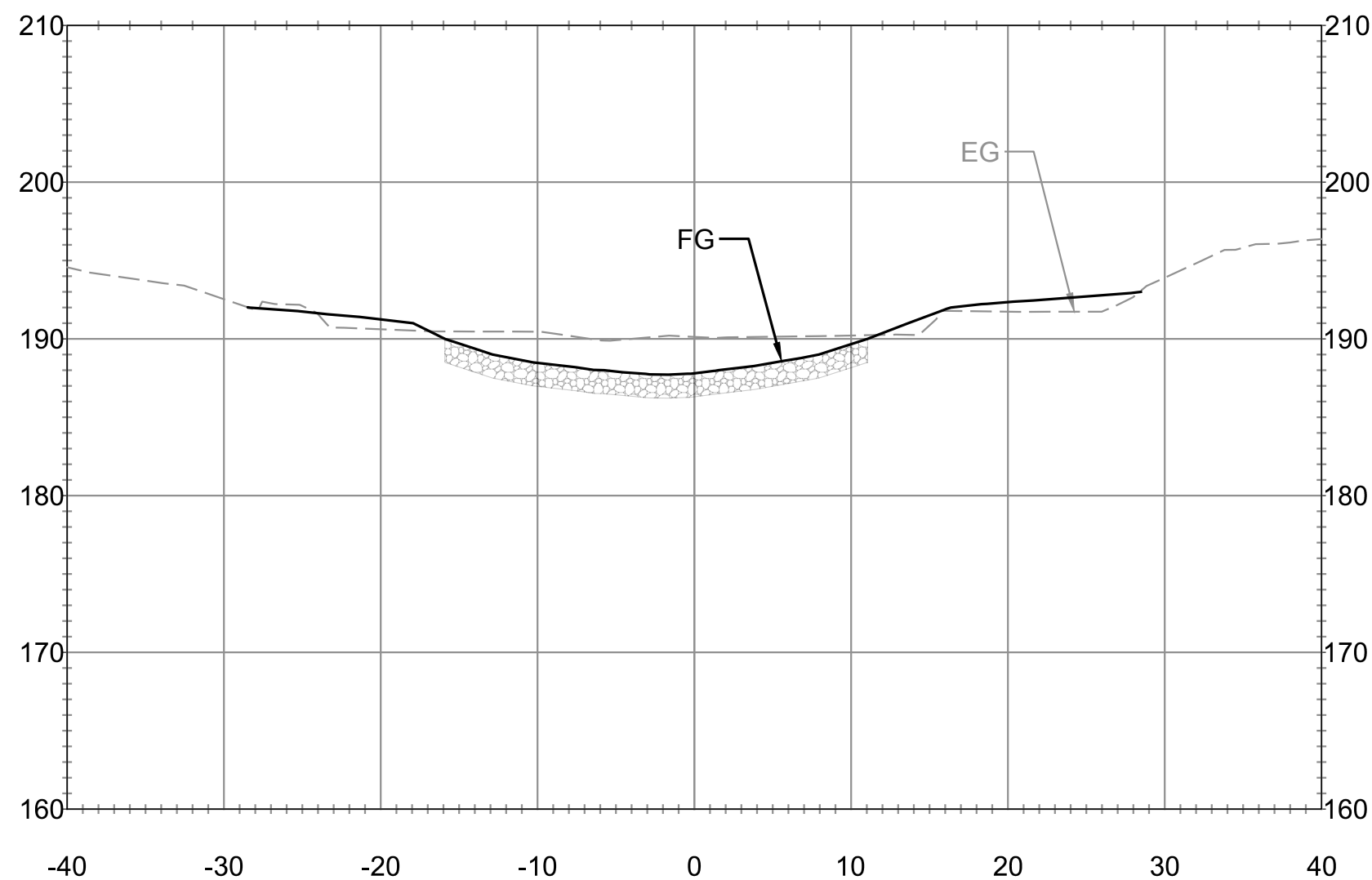
C COTTAGE LAKE CREEK SECTION - STA 20+60
SCALE: 1 = 10'



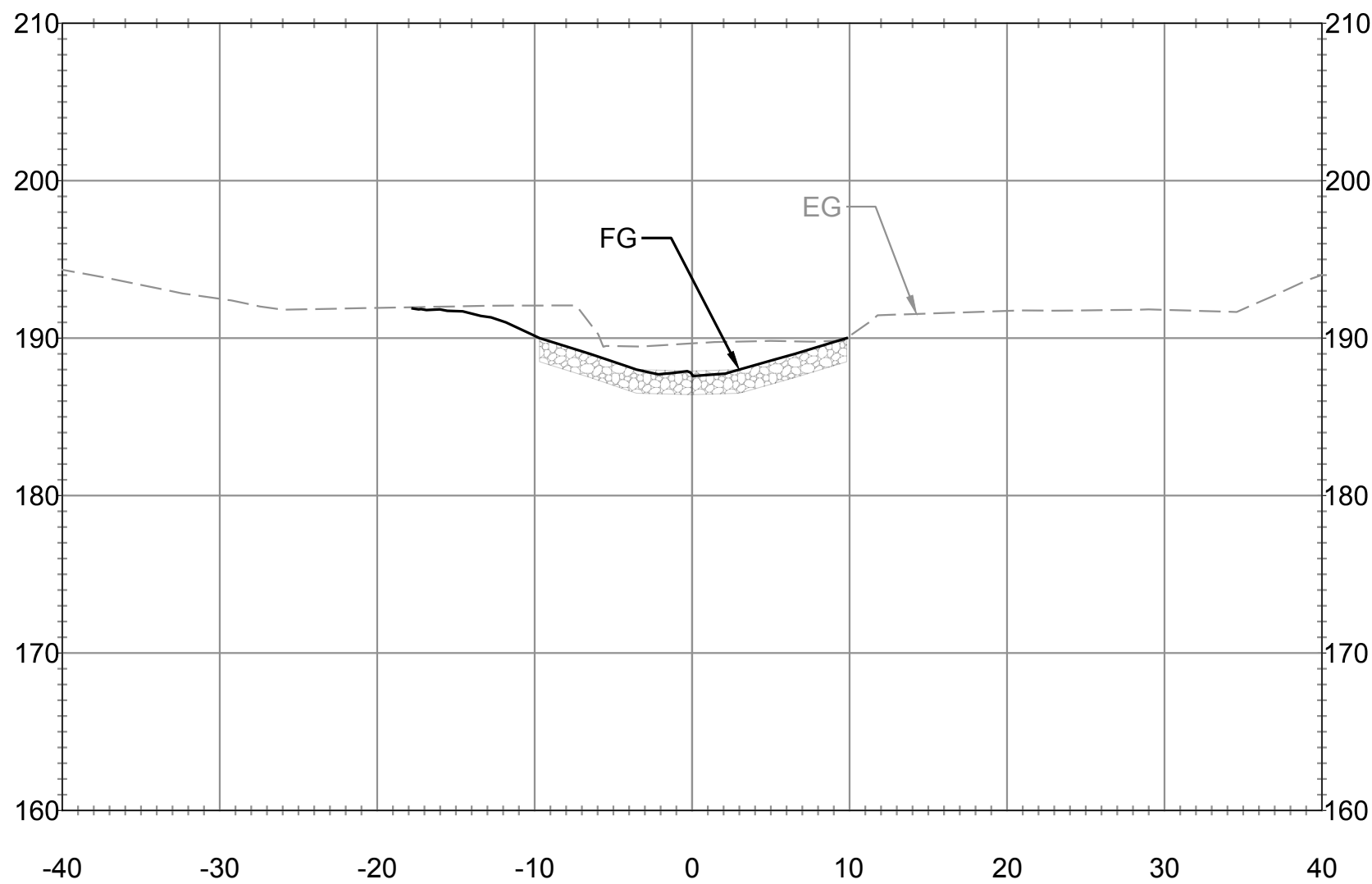
D COTTAGE LAKE CREEK SECTION - STA 20+80
SCALE: 1 = 10'



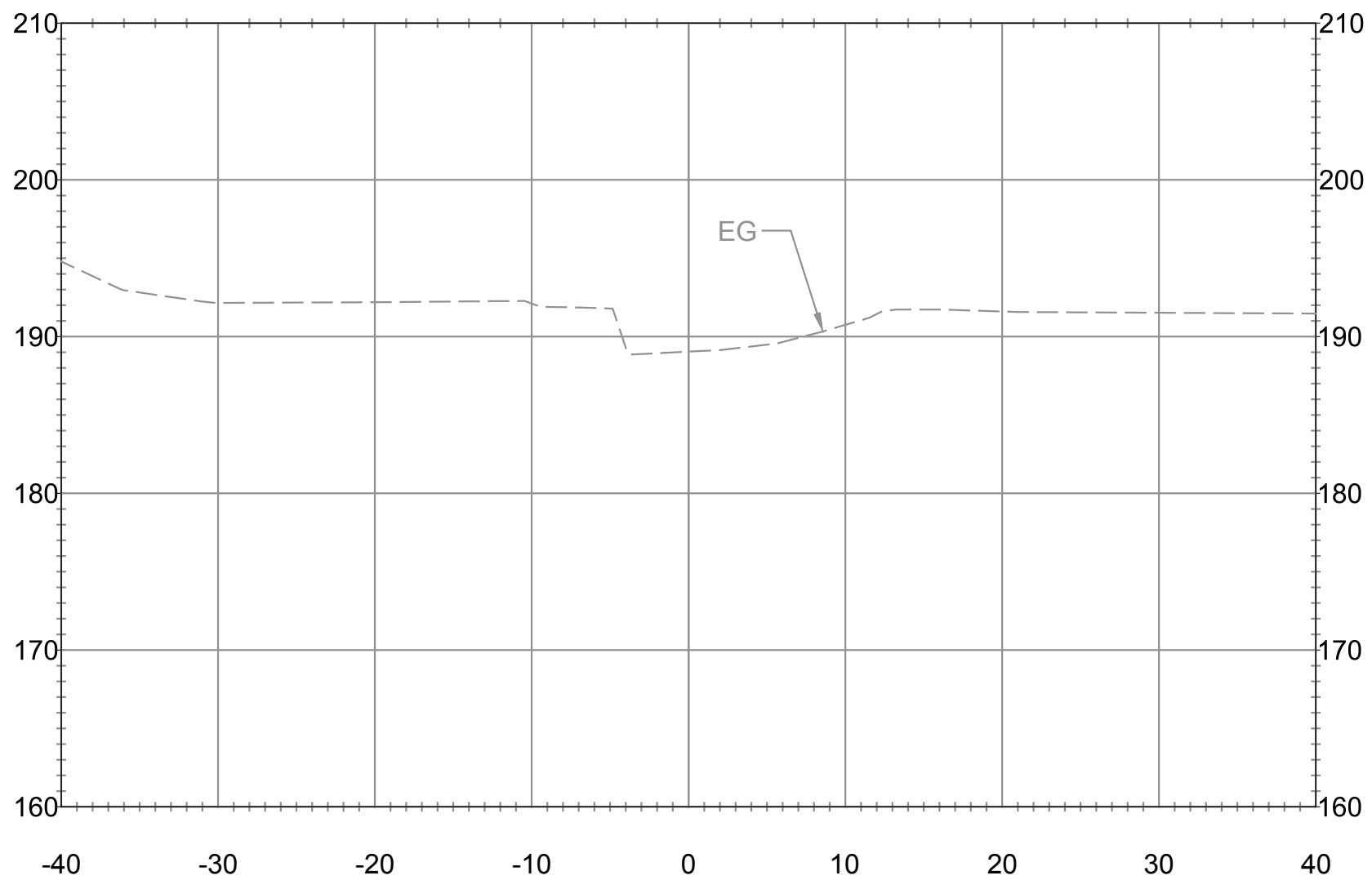
E COTTAGE LAKE CREEK SECTION - STA 21+00
SCALE: 1 = 10'



F COTTAGE LAKE CREEK SECTION - STA 21+20
SCALE: 1 = 10'



G COTTAGE LAKE CREEK SECTION - STA 21+40
SCALE: 1 = 10'



H COTTAGE LAKE CREEK SECTION - STA 21+60
SCALE: 1 = 10'

SECTION
SCALES
(TYP)

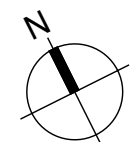


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DATE: 3/18/2024 PLAN NUMBER: C06 SHEET 8 OF 18									

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SCALE 1" = 10'

[illegible]



1. LARGE WOODY MATERIAL CONFIGURATIONS SHOWN ON PLANS TO BE ADJUSTED UTILIZING FIELD CHANGES TO FIT TOPOGRAPHY AND PROJECT INTENT. LARGE WOODY MATERIAL SHALL BE LOCATED WITH PROJECT REPRESENTATIVE APPROVAL.
2. ANCHORS ARE NOT SHOWN THIS SHEET. SEE SHEET C12 AND SPECIAL PROVISION XXXX FOR EARTH ANCHOR SYSTEM.
3. SEE SHEET C11 FOR LARGE WOODY MATERIAL SCHEDULE.

Diagram illustrating the components of the log format **W.XX.Z**:

- W**: LWM CONFIGURATION (A-B, SEE PROPOSED LOG FEATURES)
- XX**: CONFIGURATION COUNTER (EG: B.02 - SECOND B FEATURE)
- Z**: POINT ON LOG (A, B OR C)

① LWM STRUCTURE A (LOG W/ ROOT WAD), TYP. $\frac{A}{C11}$

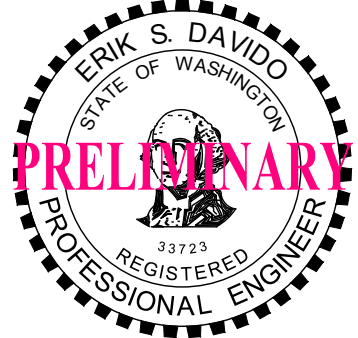
② LWM STRUCTURE B (ROOT WAD), TYP. $\frac{B}{C11}$

③ LWM STRUCTURE C (KEY LOG W/ ROOT WAD), TYP.

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LARGE WOODY MATERIAL PLAN

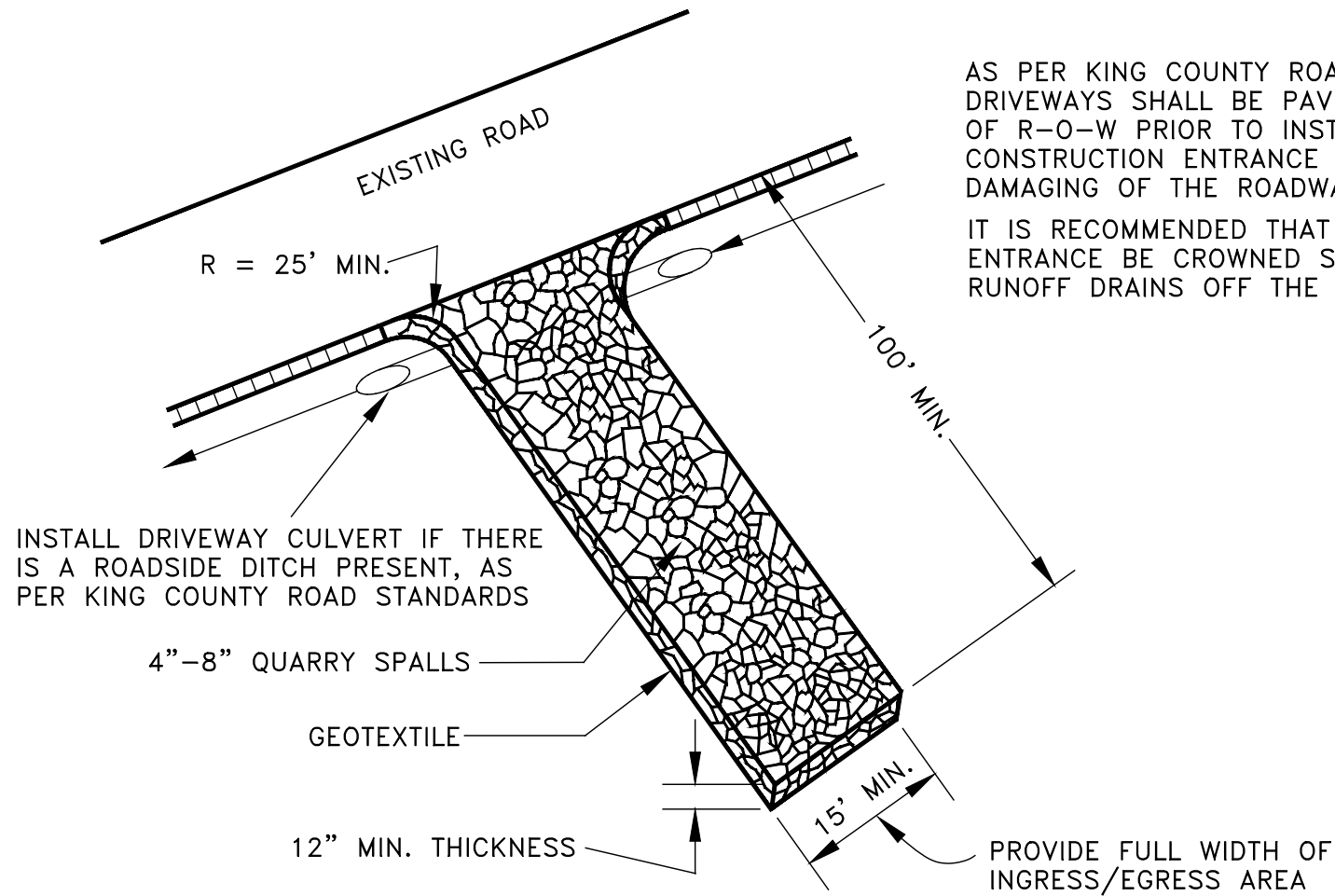
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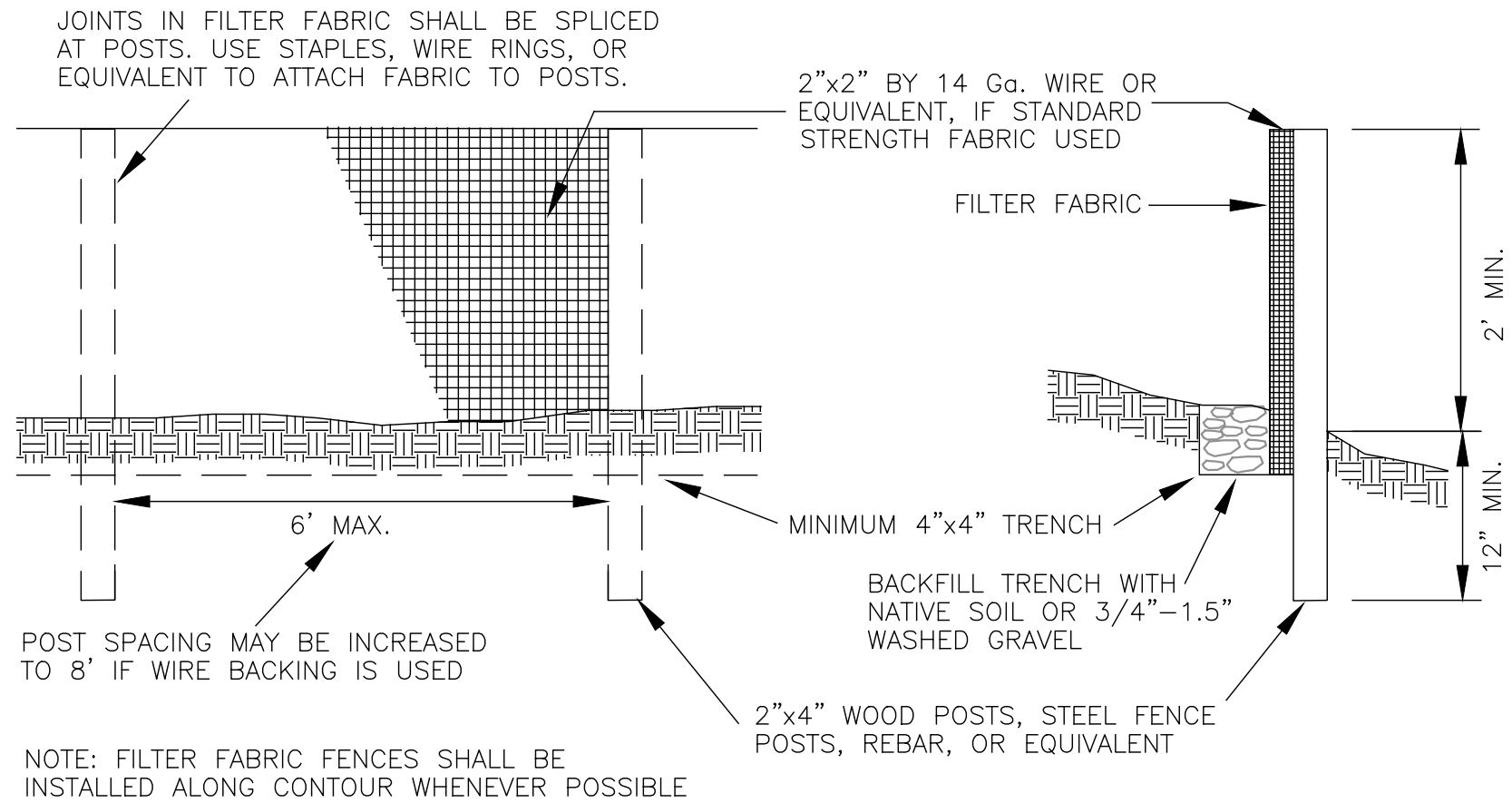
C08

SHEET 10 OF 18

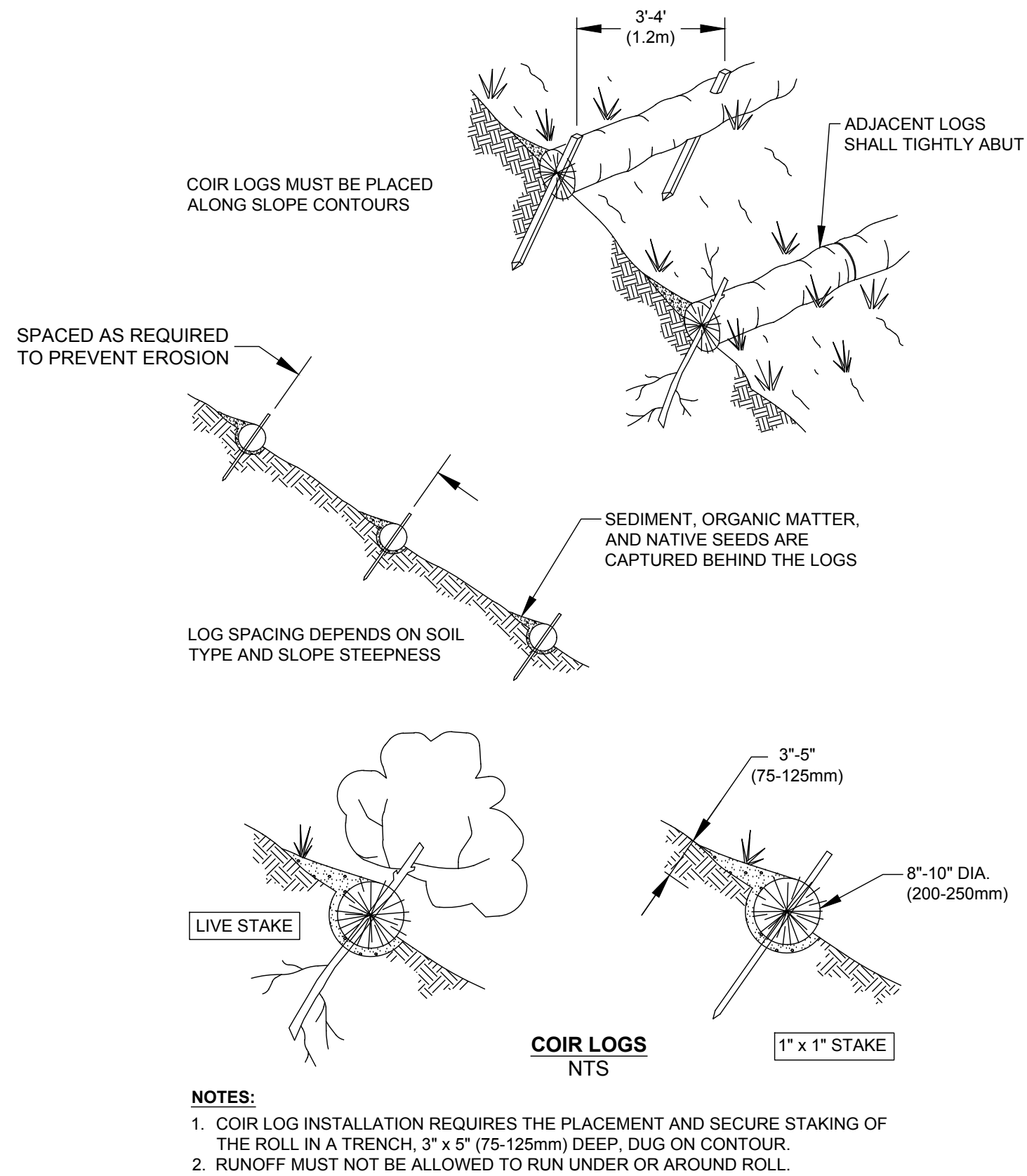
FILE LOCATION: P:\CLIENTS\CIVIL - PUBLIC\WID SOUND FISHERIES\210.0405.01 - INFEG C.C. WEBR - PHASE 2\DRAWINGS\SCADA\CTF\VELE\09-ESC DETAILS.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: J.L. GJ DRAWN BY: MH
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1 C02 TEMPORARY CONSTRUCTION ENTRANCE NOT TO SCALE



2 C02 SILT FENCE NOT TO SCALE



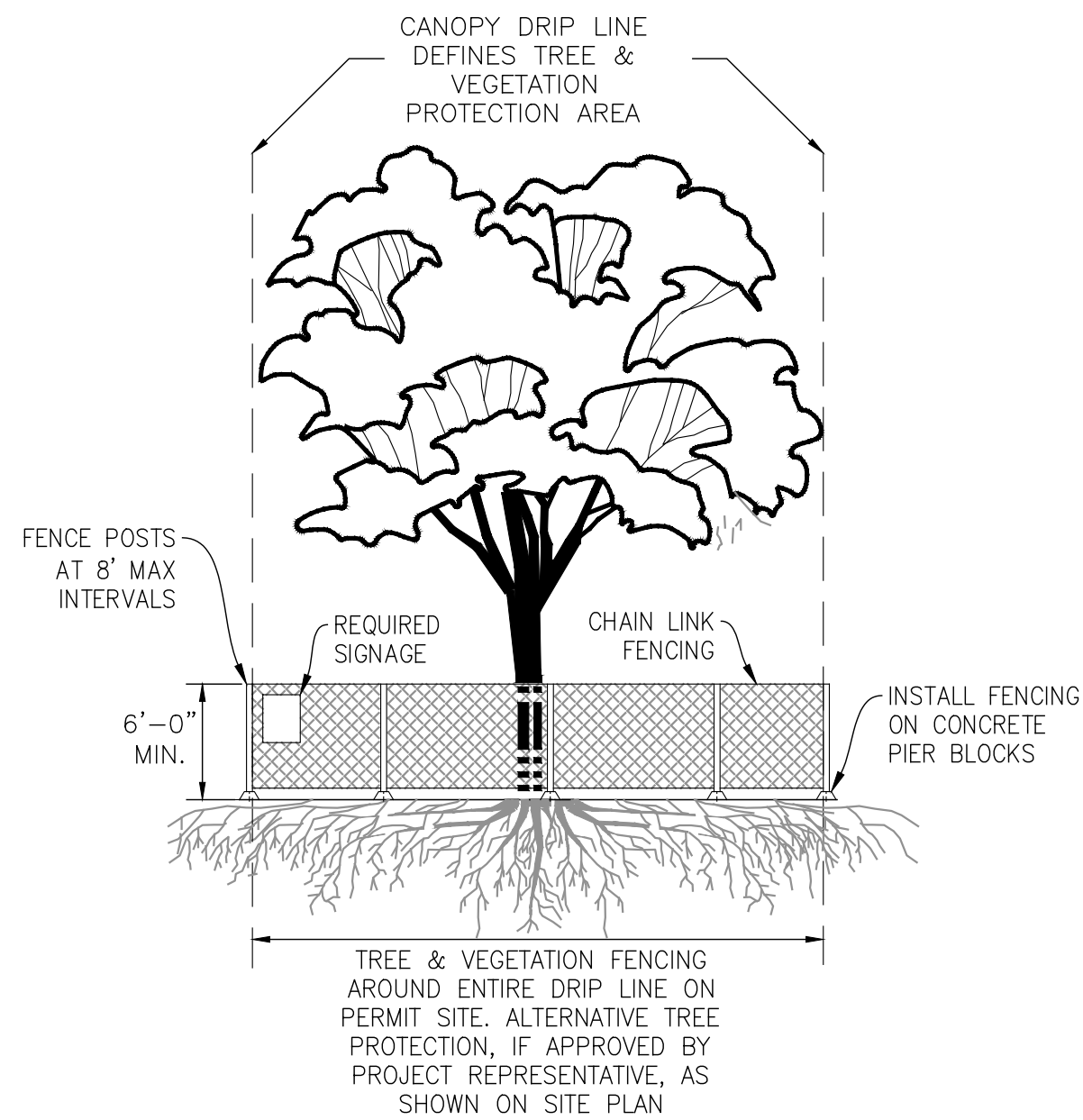
3 C02 COIR LOGS NOT TO SCALE

CHAIN LINK FENCING REQUIREMENTS

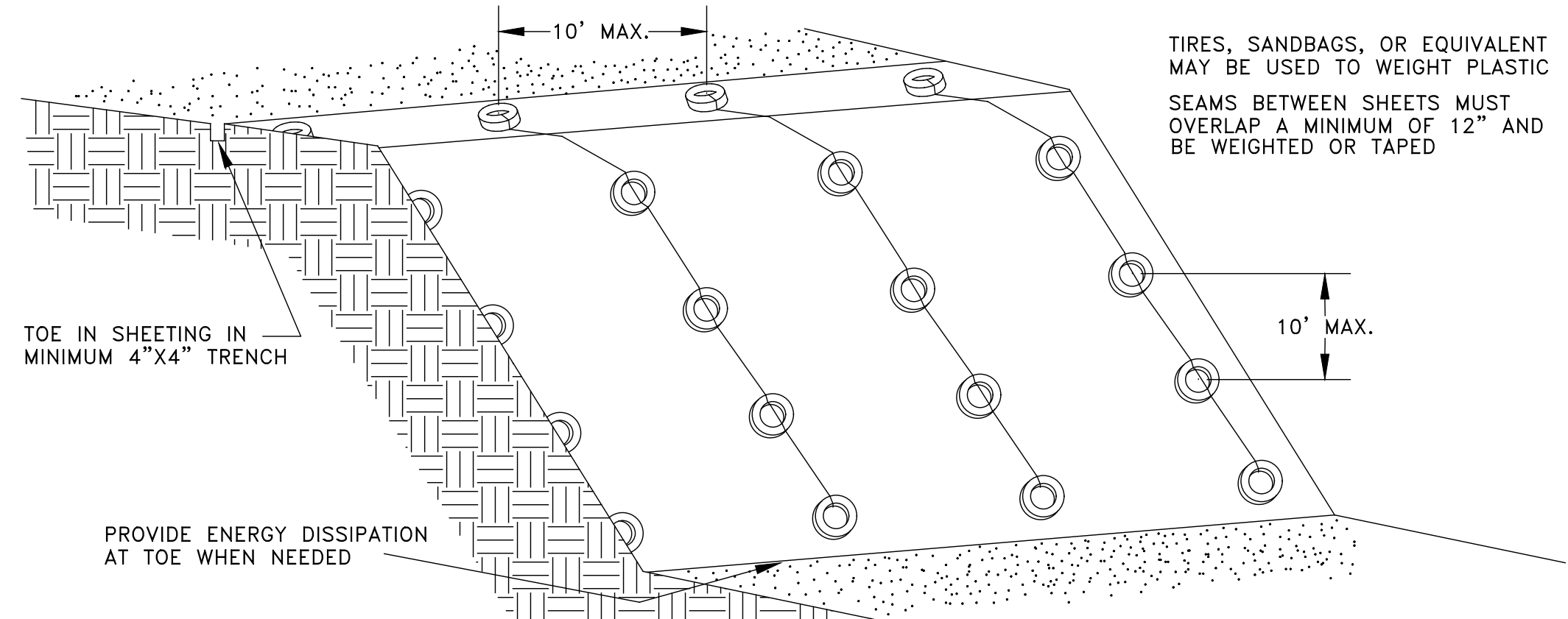
1. CHAIN LINK FENCE MUST BE 6' HIGH.
2. FENCE POSTS SHALL BE INSTALLED USING PIER BLOCK AT 8' MAXIMUM INTERVALS.
3. FENCE MUST BE INSTALLED PRIOR TO DEMOLITION OF GROUND DISTURBANCE.
4. FENCE MUST BE KEPT IN PLACE THROUGH DURATION OF CONSTRUCTION.

TREE PROTECTION FENCING REQUIREMENTS

1. CHAIN LINK FENCE REQUIRED.
2. NO DUMPING OF ANY MATERIALS IN THE PROTECTION AREA.
3. NO SOIL DISTURBANCE OR ACTIVITY ALLOWED WITHIN FENCED AREA: MATERIAL STORAGE/STOCKPILING, PARKING, EXCAVATION, DUMPING, OR WASHING.
4. PROTECT EXISTING TREES AND VEGETATION PER WSDOT SPECIFICATION 1-07.16(2).
5. IF ROOTS GREATER THAN 2 INCH FOUND OUTSIDE OF FENCING, PROTECT BY HAND EXCAVATION AND, IF NECESSARY, CUT CLEANLY AND KEEP MOIST.
6. USE 3 INCHES OR DEEPER WOOD CHIP MULCH OUTSIDE FENCED AREAS TO PROTECT FEEDER ROOTS.



4 C02 CHAIN LINK & TREE PROTECTION FENCING NOT TO SCALE



5 C02 PLASTIC COVERING NOT TO SCALE

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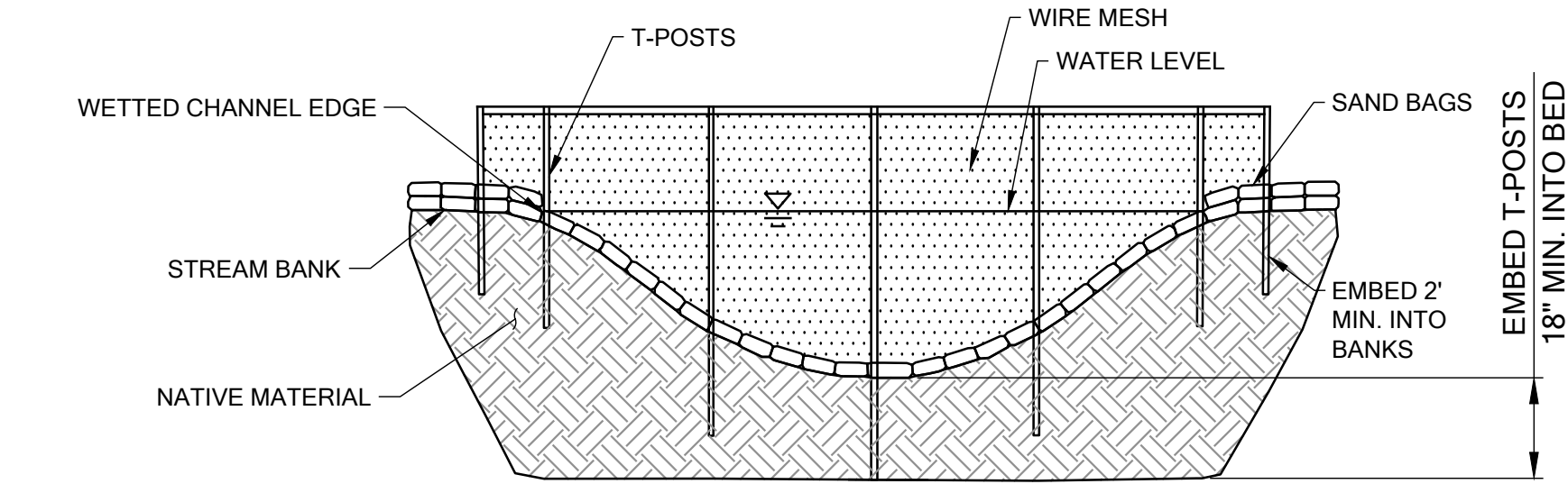
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DATE: 3/18/2024
PLAN NUMBER:
C09
SHEET 11 OF 18

ESC DETAILS

FILE LOCATION: P:\CLIENTS\CIVIL - PUBLIC\WID SOUND FISHERIES\210.0405.01 - WISFEG C.C. WEIR - PHASE 2\DRAWINGS\CAD\ACTIVE\TEMP STREAM BYPASS & FISH EXCLUSION DETAILS.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED (18.00" X 24.00" INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: JL, GJ CHECKED BY: JL, GJ DRAWN BY: MH



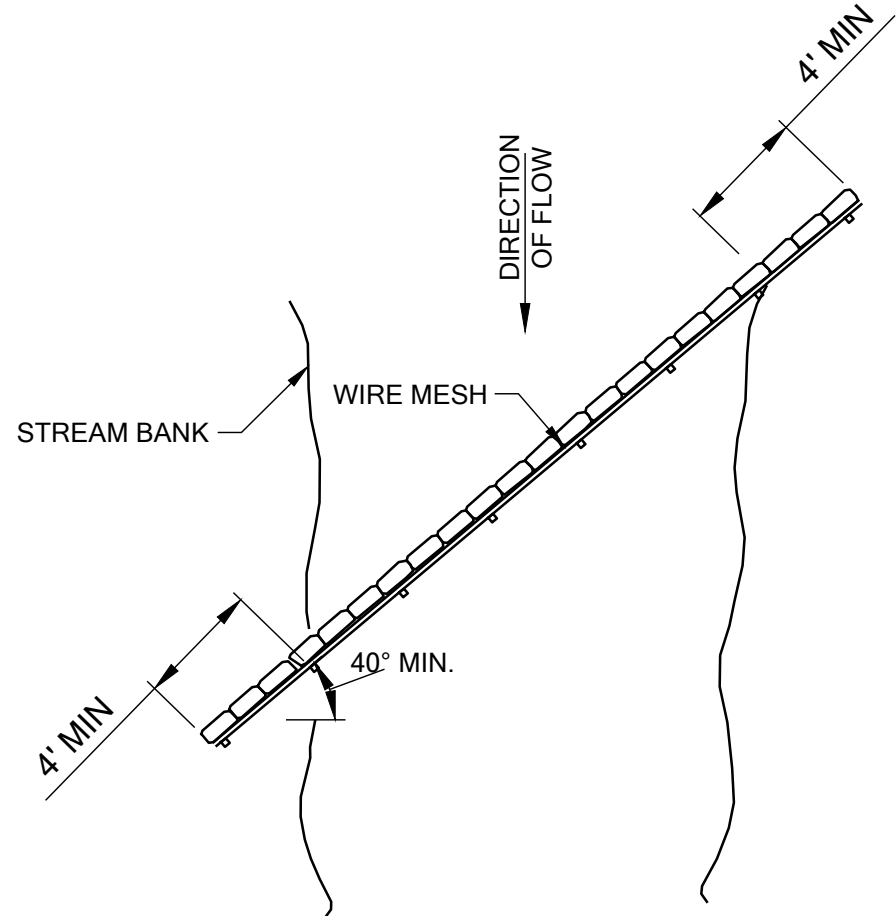
FRONT VIEW

CONSTRUCTION SEQUENCE

1. INSTALL T-POSTS 3' ON CENTER.
2. SECURE WIRE MESH TO T-POSTS WITH WIRE FASTENER. MESH SHALL BE WOVEN WIRE WITH A MAXIMUM OPENING OF 0.087 INCHES OR AS SPECIFIED IN HPA. SCREEN TO EXTEND APPROXIMATELY 1' ABOVE WATER LEVEL.
3. EXTEND SAND BAGS 4' MIN. INTO STREAM BANKS.
4. REMOVAL OF DEBRIS FROM THE UPSTREAM SIDE OF THE FENCE IS NECESSARY OTHERWISE THE SCREEN WILL BECOME CLOGGED AND WATER MAY TOPPLE OR BREACH THE SCREEN.

NOTES:

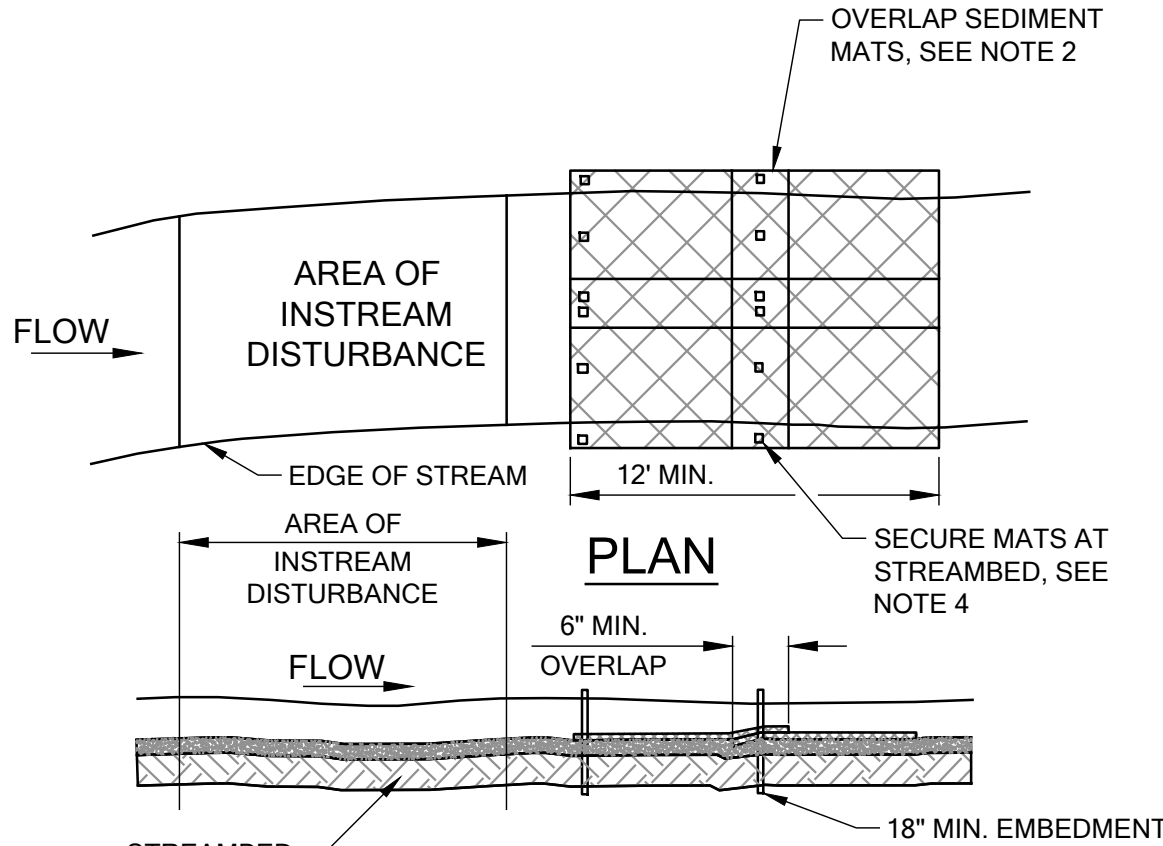
1. FISH SCREEN SHALL BE PLACED IN A POOLED LOW FLOW LOCATION TO PREVENT FISH FROM GETTING IMPINGED OR ENTRAINED ON THE SCREEN AND TO ALLOW SUFFICIENT ROOM FOR FREEDOM OF MOVEMENT TO AVOID THE SCREEN. LOCATION OF FISH SCREEN SHALL BE APPROVED BY THE ENGINEER PRIOR TO TEMPORARY BYPASS PUMP OPERATION.



PLAN VIEW

1 FISH SCREEN DETAIL (IF NEEDED)

NOT TO SCALE



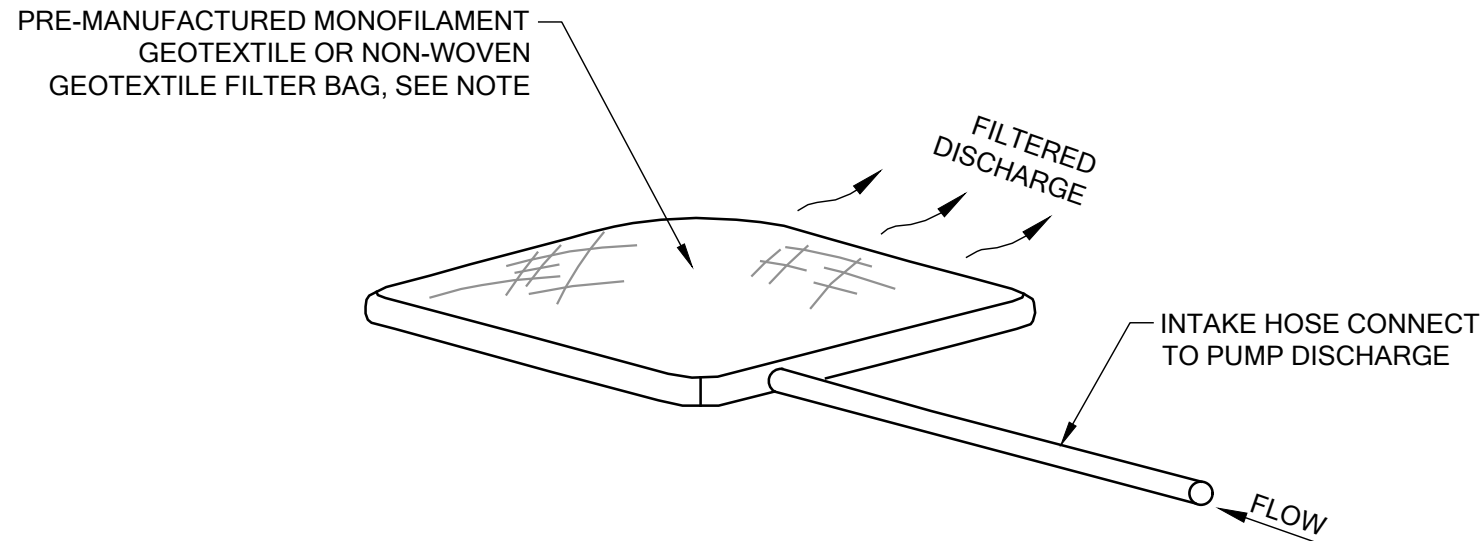
SECTION

NOTES:

1. INSTALL MATS FLAT ON THE STREAM BOTTOM AT DOWNSTREAM EDGE OF DISTURBED AREA IMMEDIATELY PRIOR TO INSTREAM DISTURBANCE AND REMOVE IMMEDIATELY AFTER INSTREAM ACTIVITIES ARE COMPLETED.
2. OVERLAP THE TRAILING EDGE OF UPSTREAM MATS OVER THE LEADING EDGE OF DOWNSTREAM MATS BY AT LEAST 6".
3. HOLD THE LEADING EDGE OF THE MATS TIGHTLY TO STREAMBED CONTOURS WITH ROCKS OR OTHER WEIGHTS.
4. SECURE UPSTREAM CORNERS AND CENTERS OF MATS IN THE STREAMBED WITH 2" X 2" X 2' LONG WOOD STAKES.
5. IF STREAM VELOCITY IS HIGH, ENGINEER MAY REQUIRE ADDITIONAL LENGTH OF SEDIMENT MAT.

2 SEDIMENT MAT DETAIL

NOT TO SCALE



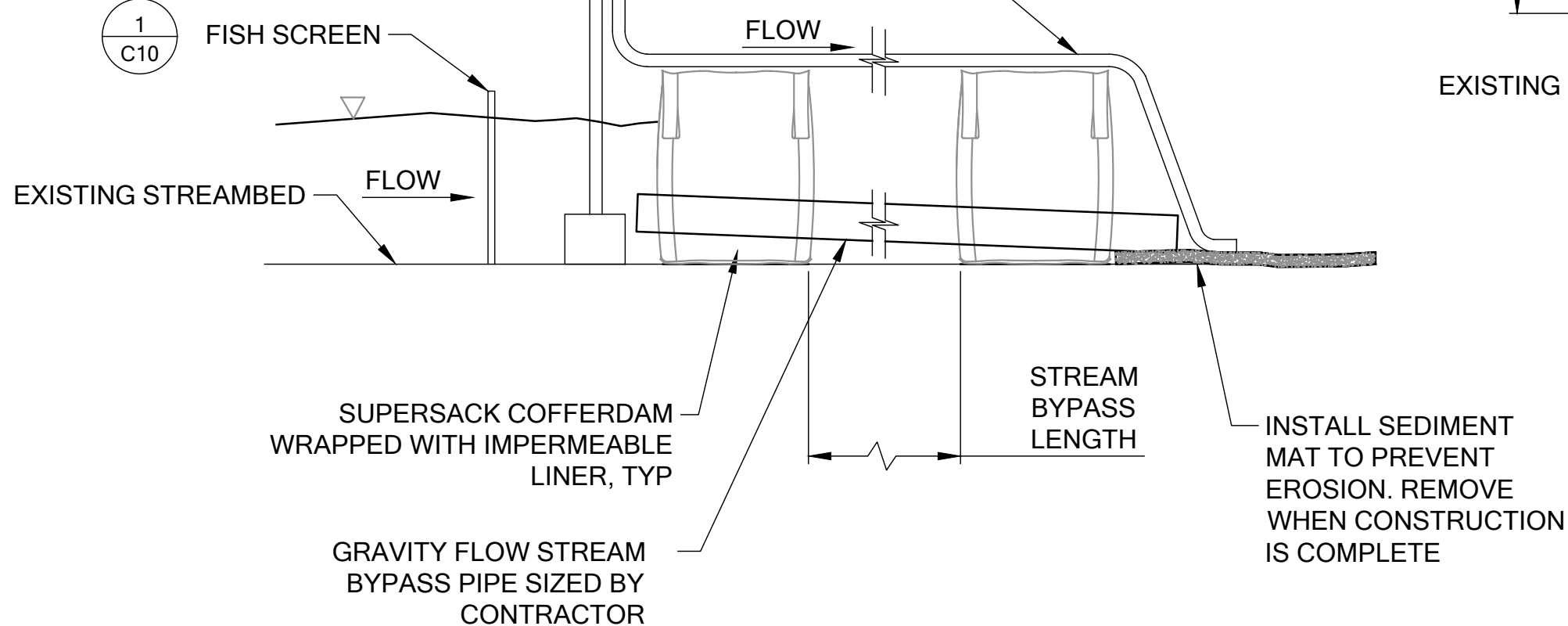
NOTES:

1. FILTER BAG MUST BE MINIMUM 5'x7' AND REPLACED AS NEEDED TO ACCOMMODATE ACTUAL SEDIMENT LOAD CONDITIONS (I.E. VOLUME, TYPE OF SEDIMENT, ETC.).

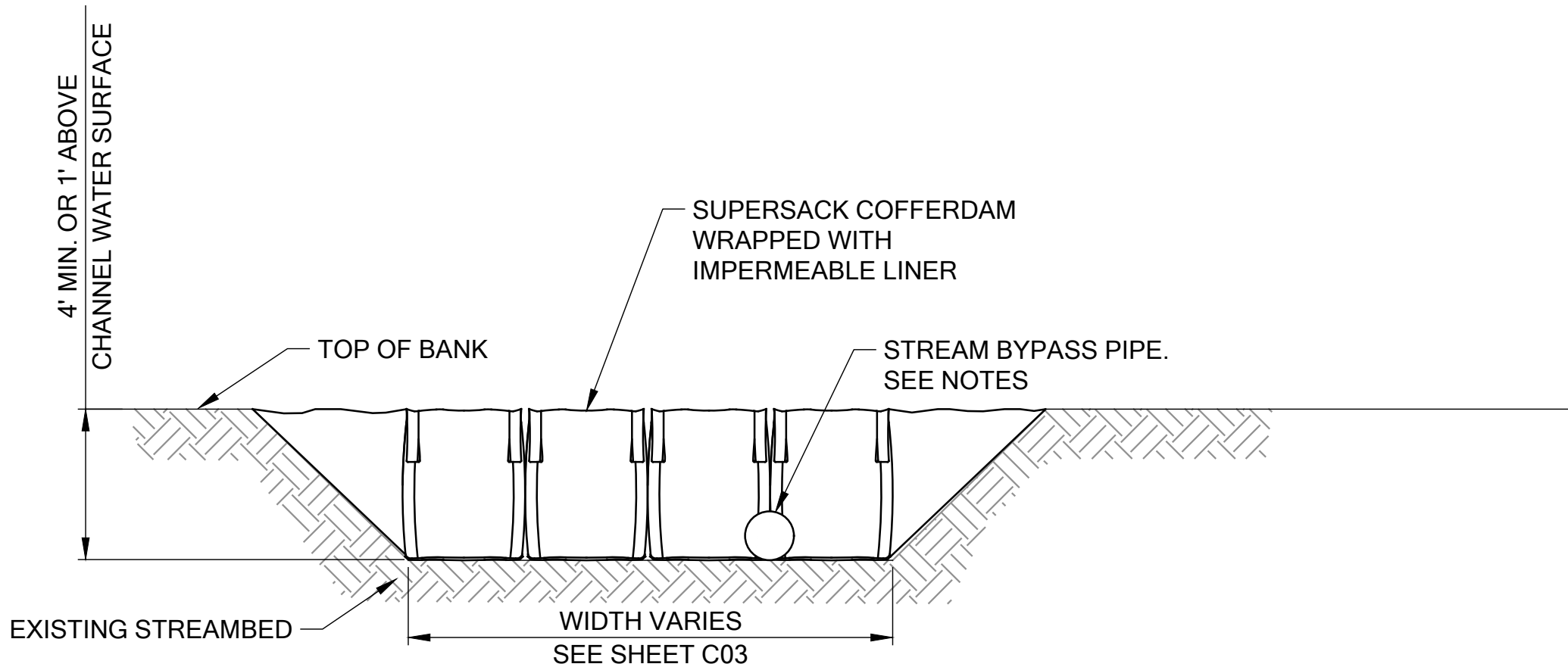
3 FILTER BAG DETAIL

NOT TO SCALE

GRAVITY FLOW BYPASS IS PREFERRED TEMPORARY STREAM DIVERSION METHOD. IF GRAVITY FLOW BYPASS IS NOT FEASIBLE, CONTRACTOR TO UTILIZE PUMP BYPASS SYSTEM AT NO ADDED EXPENSE TO THE PROJECT SPONSOR. CONTRACTOR TO SIZE PUMP AND FORCE MAIN BASED ON PUMP DISCHARGE. FORCE MAIN MATERIAL MUST BE DURABLE AND APPROVED BY THE PROJECT REPRESENTATIVE



SIDE VIEW



FRONT VIEW

NOTES:

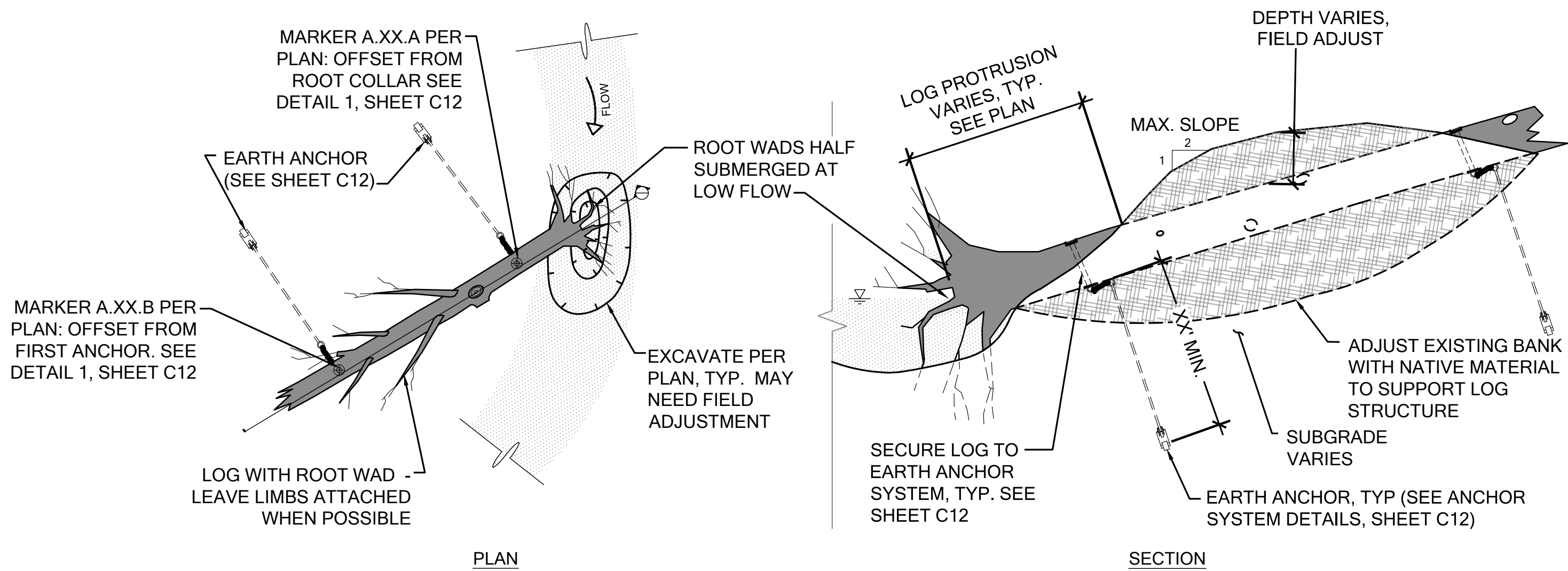
1. BYPASS SYSTEM (GRAVITY PIPE(S), PUMP, OR APPROVED EQUAL) TO BE SIZED FOR CONVEYANCE OF TYPICAL 2-YR STORM DURING THE FISH WINDOW (XX CFS).
2. THE CONTRACTOR SHALL HAVE ON SITE, EMERGENCY BYPASS PIPE, PUMPS, GENERATOR, AND APPURTENANCES IN THE EVENT OF HIGH FLOWS. IF A PUMP IS USED FOR THE BYPASS SYSTEM, A BACKUP SYSTEM PUMP IS REQUIRED IN CASE OF PRIMARY PUMP FAILURE. EMERGENCY BYPASS PUMP INTAKE SHALL BE SCREENED TO PREVENT FISH FROM ENTERING DIVERSION SYSTEM. SEE THE CONTRACT PROVISIONS AND THE HPA FOR ADDITIONAL INFORMATION ON TEMPORARY STREAM DIVERSION.
3. SUPERSACK BAGS MUST BE FILLED WITH ROUNDED STREAMBED COBBLES. NO ANGULAR OR CRUSHED MATERIALS MAY BE USED. SUPERSACK MUST BE WASTEHAULED AFTER REMOVAL OF BYPASS.

4 TEMPORARY STREAM BYPASS DETAIL

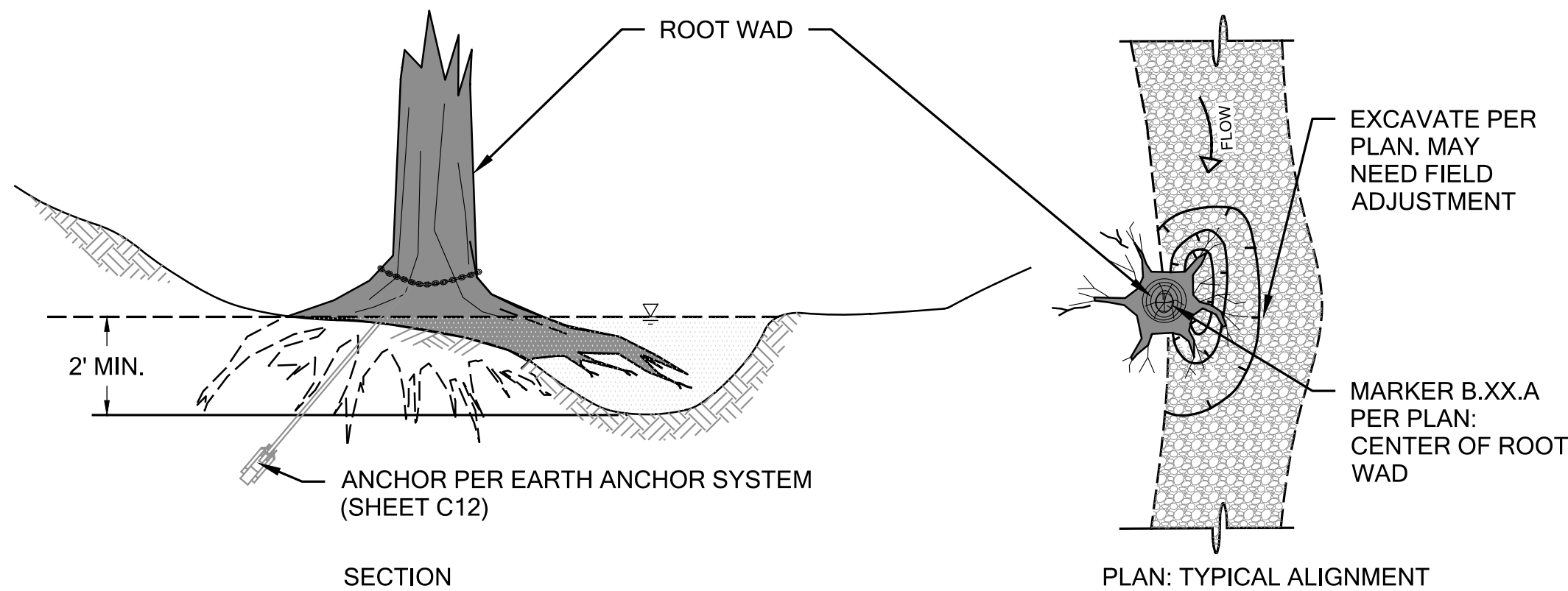
NOT TO SCALE

NO.	DATE	BY	REVISION
BASE MAP/TOPOGRAPHY PROVIDED BY OTHERS. DCGWATERSHED CANNOT BE HELD LIABLE FOR ACCURACY. CONTRACTOR SHALL FIELD VERIFY GRADES, UTILITIES AND ALL OTHER EXISTING FEATURES AND CONDITIONS. IF CONDITIONS ARE NOT AS SHOWN AND/OR PLANS CANNOT BE CONSTRUCTED AS SHOWN, CONTACT DCGWATERSHED PRIOR TO CONSTRUCTION.			
DCGWATERSHED			
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COTTAGE LAKE CREEK WEIR REMOVAL			
MID PUGET SOUND FISHERIES ENHANCEMENT GROUP			
WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344350TRCT)			
2210.0405.01			
TEMPORARY CREEK BYPASS & FISH EXCLUSION DETAILS			
DATE: 3/18/2024			
PLAN NUMBER:			
C10			
SHEET 12 OF 18			

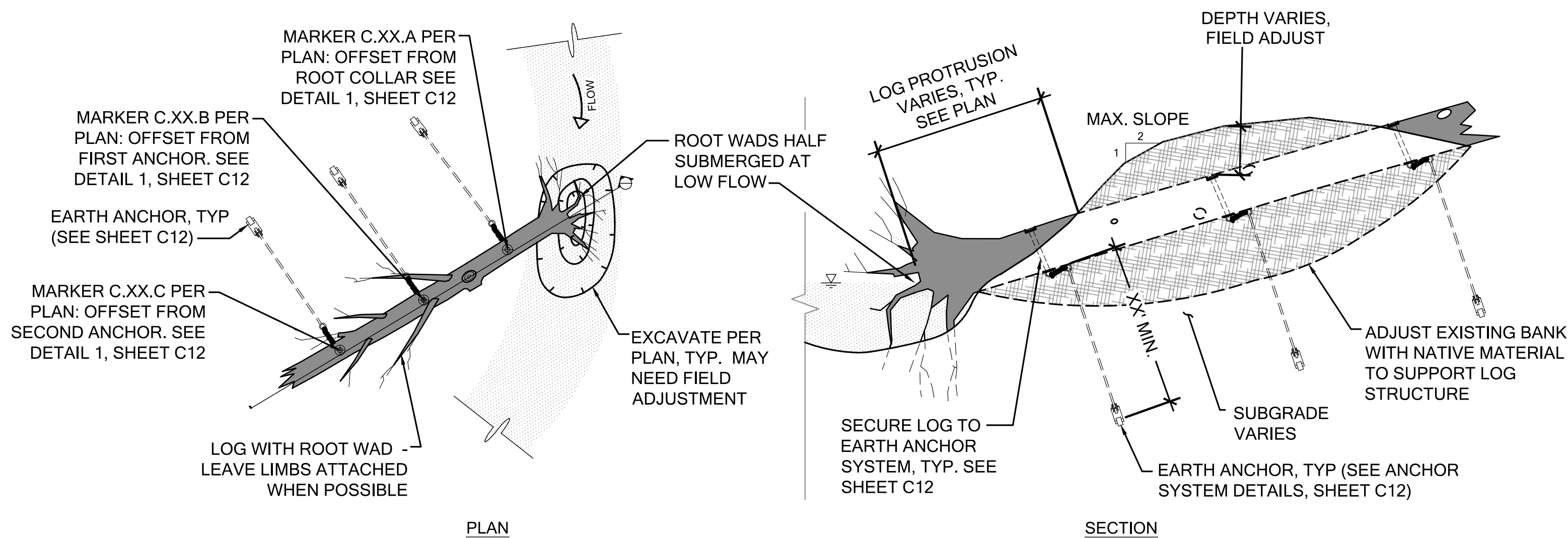
FILE LOCATION: P:\CLIENTS\CIVIL - PUBLIC\WID SOUND FISHERIES\210405.01 - MSFEG C.C. WEIR - PHASE 2\DRAWINGS\GADACT\VELOC\1-LOG STRUCTURE DETAILS.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: JL, GJ DRAWN BY: JH CHECKED BY: JL, GJ



A LWM STRUCTURE A - LOG WITH ROOT WAD



B LWM STRUCTURE B - ROOT WAD



C LWM STRUCTURE C - KEY LOG WITH ROOT WAD

Scale: 1:1

LARGE WOODY MATERIAL SCHEDULE					
LWM NO.	NORTHING	EASTING	LENGTH (FT)	ANCHORED	DBH
A.01.A	270,413.08	1,334,049.21	26	YES	18"
A.01.B	270,406.37	1,334,039.26	26	YES	18"
A.02.A	270,412.03	1,334,041.41	26	YES	18"
A.02.B	270,404.21	1,334,032.30	26	YES	18"
A.03.A	270,417.77	1,334,045.56	26	YES	18"
A.03.B	270,414.93	1,334,033.89	26	YES	18"
A.04.A	270,447.01	1,334,080.71	11	YES	18"
A.04.B	270,441.06	1,334,080.00	11	YES	18"
A.05.A	270,455.88	1,334,074.01	26	YES	18"
A.05.B	270,457.68	1,334,062.15	26	YES	18"
A.06.A	270,459.36	1,334,085.60	25	YES	18"
A.06.B	270,466.26	1,334,095.42	25	YES	18"
A.07.A	270,466.10	1,334,092.02	17	YES	18"
A.07.B	270,454.40	1,334,100.16	17	YES	18"
A.08.A	270,457.42	1,334,063.43	21	YES	18"
A.08.B	270,466.35	1,334,071.45	21	YES	18"
A.09.A	270,469.06	1,334,077.03	20	YES	18"
A.09.B	270,460.37	1,334,068.75	20	YES	18"
A.10.A	270,479.22	1,334,083.52	25	YES	18"
A.10.B	270,474.43	1,334,072.52	25	YES	18"
A.11.A	270,480.36	1,334,099.08	16	YES	18"
A.11.B	270,469.13	1,334,094.87	16	YES	18"
B.01.A	270,415.49	1,334,047.68	6	YES	18"
B.02.A	270,421.22	1,334,050.60	6	YES	18"
B.03.A	270,453.99	1,334,084.08	6	YES	18"
B.04.A	270,452.89	1,334,064.30	6	YES	18"
B.05.A	270,481.57	1,334,104.93	6	YES	18"
B.06.A	270,465.06	1,334,089.56	6	YES	18"
B.07.A	270,482.98	1,334,089.86	6	YES	18"
C.01.A	270,426.20	1,334,051.51	26	YES	30"
C.01.B	270,431.52	1,334,046.96	26	YES	30"
C.01.C	270,436.84	1,334,042.41	26	YES	30"
C.02.A	270,456.02	1,334,093.62	19	YES	30"
C.02.B	270,449.02	1,334,093.62	19	YES	30"
C.02.C	270,442.02	1,334,093.62	19	YES	30"
C.03.A	270,475.99	1,334,083.40	25	YES	30"
C.03.B	270,473.19	1,334,076.99	25	YES	30"
C.03.C	270,470.39	1,334,070.57	25	YES	30"
C.04.A	270,483.83	1,334,102.52	18	YES	30"
C.04.B	270,477.26	1,334,100.12	18	YES	30"
C.04.C	270,470.68	1,334,097.72	18	YES	30"

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COTTAGE LAKE CREEK WEIR REMOVAL

MID PUGET SOUND FISHERIES ENHANCEMENT GROUP

WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344350TRCT)

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LWM STRUCTURE
DETAILS AND
SCHEDULE

DATE: 3/18/2024
PLAN NUMBER:
C11
SHEET 13 OF 18

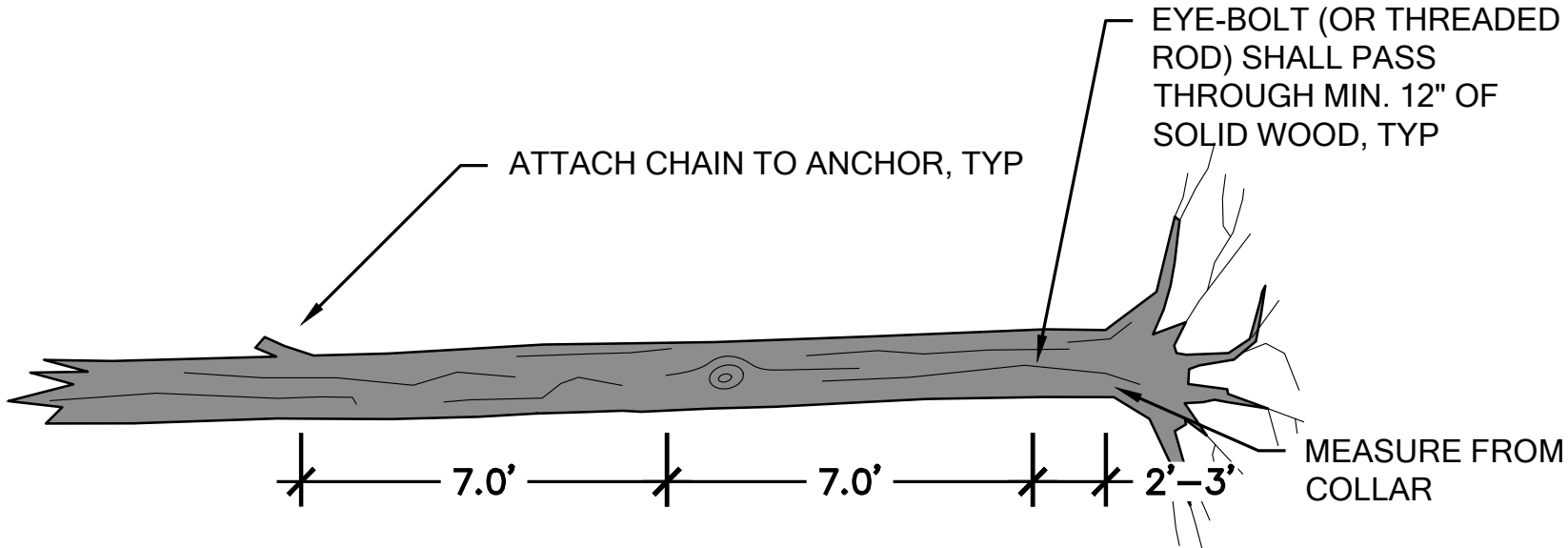
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PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: JL, GJ DRAWN BY: MH CHECKED BY: JL, GJ

LARGE WOODY MATERIAL TABLE					
LWM STRUCTURE	LWM TYPE	LWM QUANTITY	ANCHOR LOCATIONS PER EACH LOG	RESISTING FORCE PER ANCHOR LOCATION	TOTAL NUMBER OF ANCHORS
A	LOG WITH ROOT WAD	15	2	9,000 LBS	30
B	ROOT WAD	7	1	5,000 LBS	7
C	KEY LOG WITH ROOT WAD	4	3	9,000 LBS	12

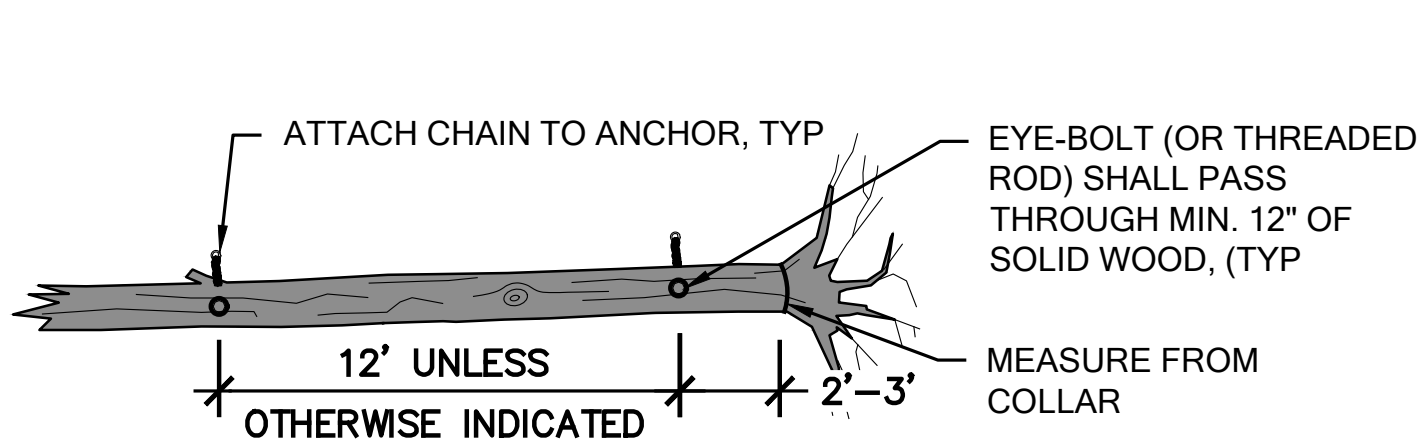
*SEE SPECIFICATIONS xxx FOR LARGE WOODY DEBRIS MATERIALS AND REQUIREMENTS

LOG ANCHORING NOTES

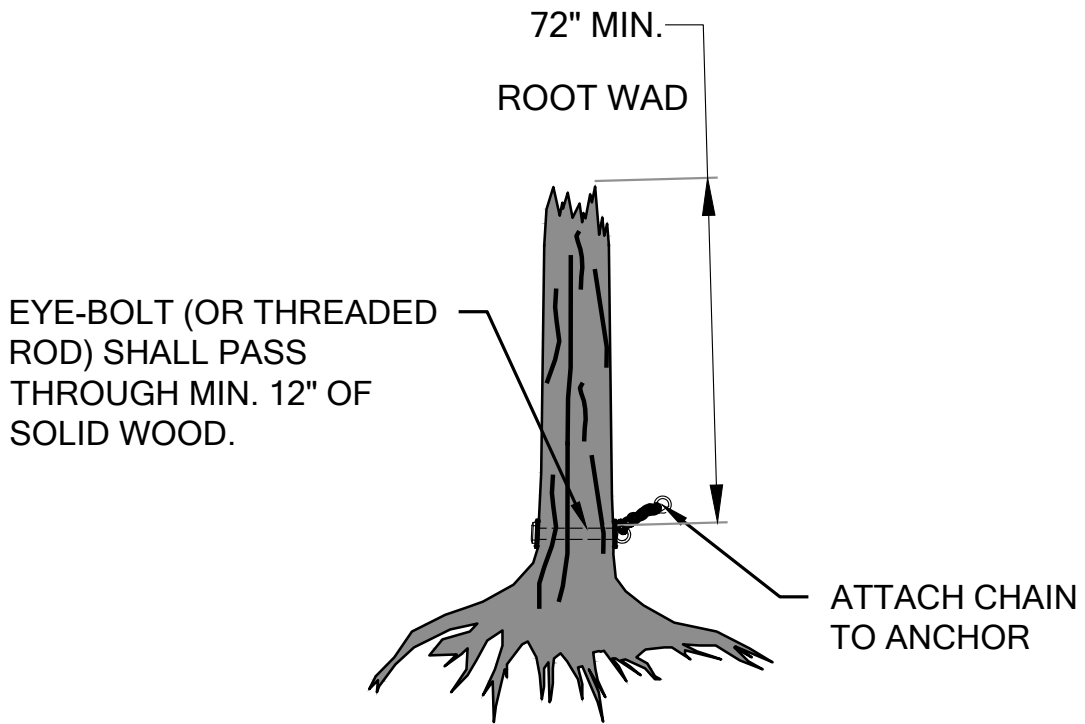
- ALL LOGS ARE TO BE ANCHORED BASED ON RESTRAINT REQUIREMENT PER SPECIFICATIONS.
- FINAL SET ANCHOR DEPTH TO BE A MIN. XX-FT BELOW GRADE UNLESS OTHERWISE NOTED. DRIVE ANCHOR DEEPER AS REQUIRED TO ACHIEVE RESTRAINT REQUIREMENT.
- EXAMPLE ANCHOR DISTRIBUTIONS SHOWN IN DETAIL 1, THIS SHEET.



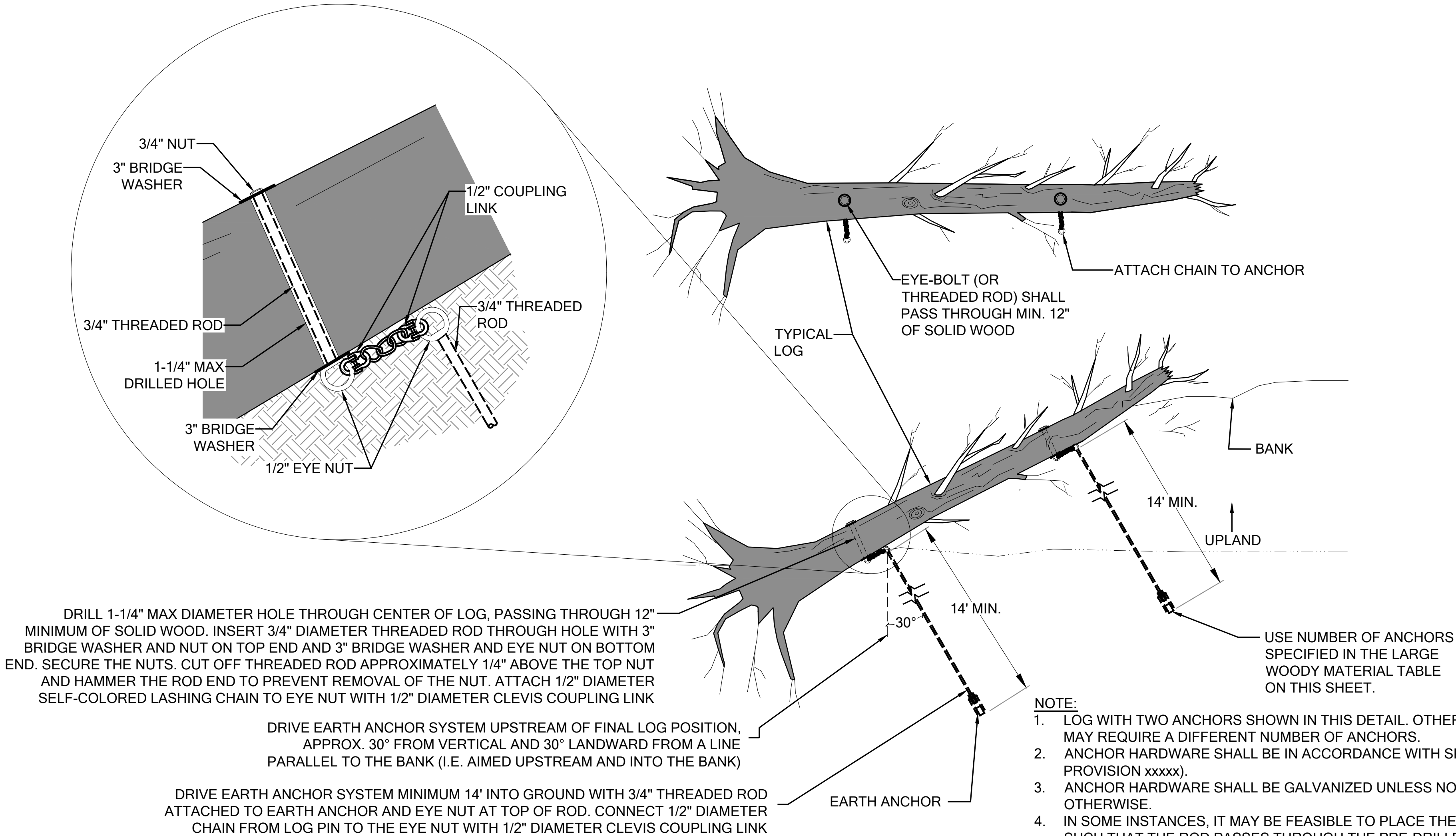
KEY LOG WITH ROOT WAD
ANCHOR SPACING EXAMPLE



LOG WITH ROOT WAD ANCHOR SPACING EXAMPLE



ROOT WAD ANCHOR EXAMPLE



- NOTE:
- LOG WITH TWO ANCHORS SHOWN IN THIS DETAIL. OTHER LOGS MAY REQUIRE A DIFFERENT NUMBER OF ANCHORS.
 - ANCHOR HARDWARE SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION xxxxx).
 - ANCHOR HARDWARE SHALL BE GALVANIZED UNLESS NOTED OTHERWISE.
 - IN SOME INSTANCES, IT MAY BE FEASIBLE TO PLACE THE LOG SUCH THAT THE ROD PASSES THROUGH THE PRE-DRILLED HOLE AND SECURED USING A BRIDGE WASHER AND NUT IN LIEU OF AN ANCHOR CHAIN.

1 EARTH ANCHOR DETAIL

NOT TO SCALE

NO.

BY

REVISION

DATE

DATE

DATE

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COTTAGE LAKE CREEK WEIR REMOVAL
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WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344350TRCT)
2210.0405.01

LARGE WOODY
MATERIAL ANCHOR
DETAILS

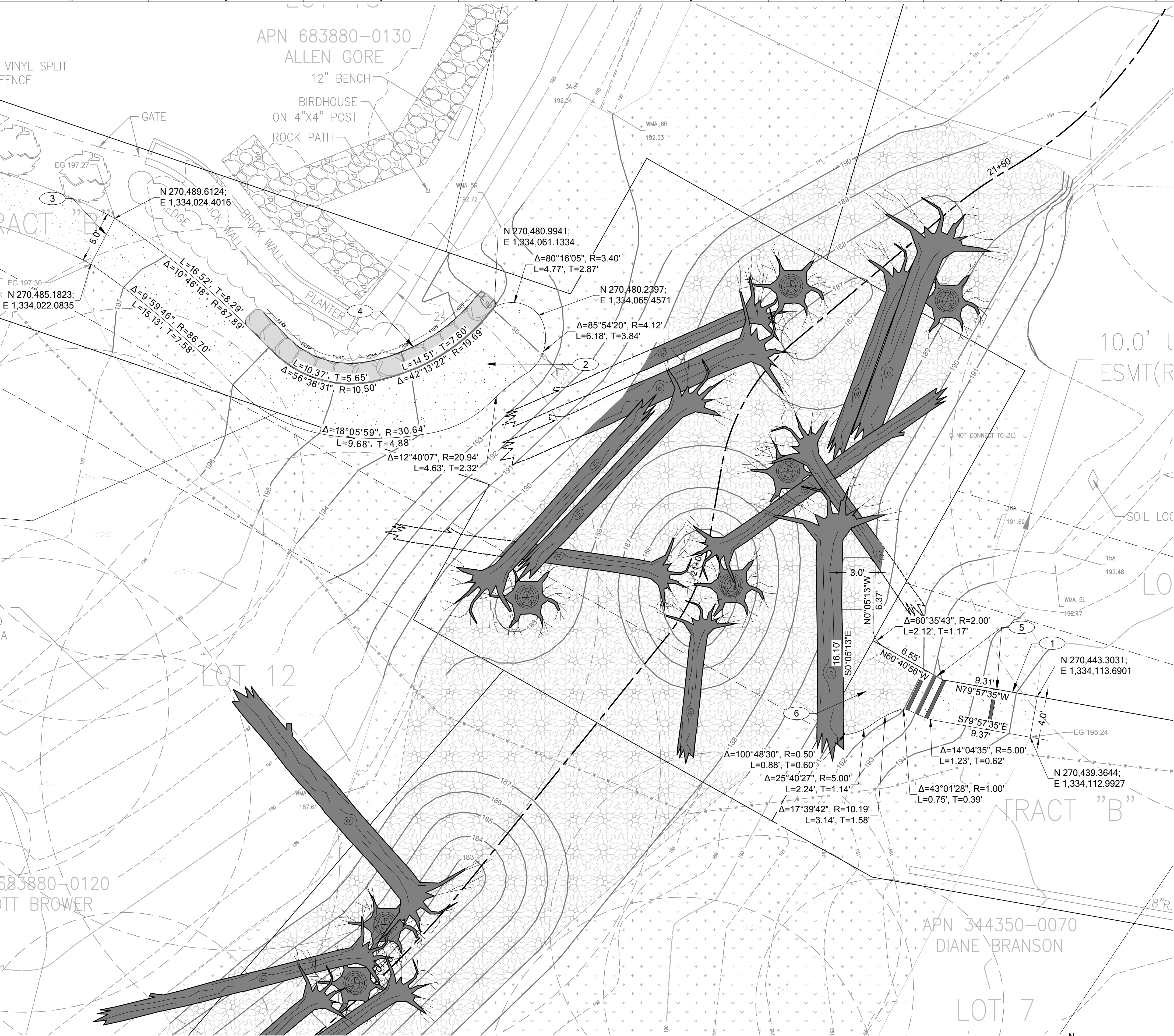
DATE: 3/18/2024
PLAN NUMBER:
C12
SHEET 14 OF 18

BASE MAP/TOPOGRAPHY PROVIDED BY OTHERS. DIG WATERSHED CANNOT BE HELD
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ALL OTHER EXISTING FEATURES AND CONDITIONS. IF CONDITIONS ARE NOT AS
SHOWN AND/OR PLANS CANNOT BE CONSTRUCTED AS SHOWN, CONTACT
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FILE LOCATION: P:\CLIENTS\CIVIL PUBLIC\WID SOUND FISHERIES\210405.01\MSSEG C.C. WEIR - PHASE 2\DRAWINGS\04\ACT\WEIR\LEUP-TRAIL PLANDWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.0 X 24.0 INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED GJ DESIGNED BY: JLGJ DRAWN BY: MH

TRAIL PLAN

SCALE 1" = 5'



KEY NOTES

- FOUR (4) FT WIDE GRAVEL PATH. (3 L03)
- OVERLOOK PLATFORM. (3 L03)
- CONNECT TO EXISTING PATH. PATH ALIGNMENT SHALL BE FIELD ADJUSTED AS NEEDED.
- LANDSCAPE WALL. (1 L03)
- TIMBER BOX STEP. (4 L03)
- STREAMBED GRAVEL BENCH.

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COTTAGE LAKE CREEK WEIR REMOVAL

MID PUGET SOUND FISHERIES ENHANCEMENT GROUP

WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344350TRCT)

2210.0405.01

TRAIL PLAN

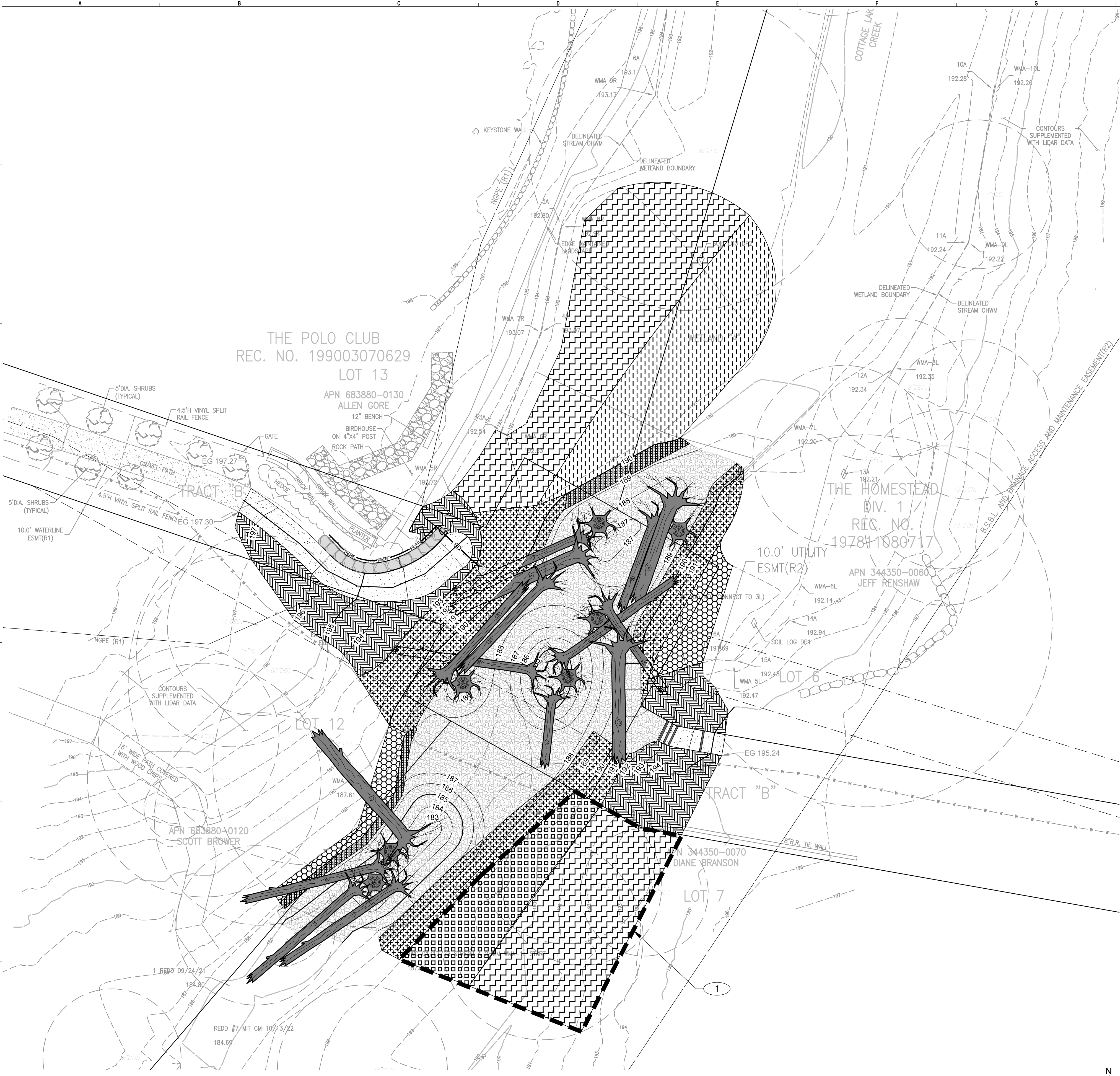
DATE: 3/18/2024
PLAN NUMBER:
L01
SHEET 15 OF 18

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FILE LOCATION: P:\CLIENTS\CIVIL PUBLIC\WOOD SOUND FISHERIES\210.0405.01_MISFEG C.C. WEIR - PHASE 2 DRAWINGS\040501\WEIR\L02_LANDSCAPE PLAN.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: JL, GJ CHECKED BY: JL, GJ DRAWN BY: MH

LANDSCAPE PLAN

SCALE 1" = 10'

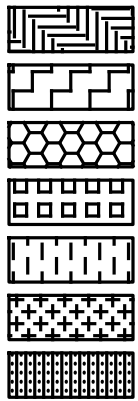


SITE PLAN AND RESTORATION NOTES

1. INSTALL PATH AND OVERLOOK AREA FOLLOWING CREEK RESTORATION, AND PRIOR TO SITE RESTORATION.
2. PREPARE AREA PER SITE PREPARATION PER DETAILS NOTED IN PLANT SCHEDULE BELOW. SITE PREPARATION DETAILS ON SHEET L04.
3. PLANTS SHALL BE INSTALLED DURING THE FIRST DORMANT SEASON (OCT THROUGH MARCH) FOR BEST SURVIVAL.
4. FOR THE FIRST TWO CONSECUTIVE SUMMERS, PLANTS WILL REQUIRE SUPPLEMENTAL WATER DELIVERY. A TEMPORARY, ABOVE GROUND IRRIGATION SYSTEM WITH A TIMER IS RECOMMENDED.

KEY NOTES

- 1 PRESERVE ALL EXISTING NATIVE VEGETATION AND REDUCE INFILL PLANT SPACING BY 50%.



PLANT AREA 1
PLANT AREA 2
PLANT AREA 3
PLANT AREA 4
PLANT AREA 5
PLANT AREA 6
PLANT AREA 7

PLANTING MIX	SITE PREP
A	2/L04
A	1/L04
B	2/L04
B	1/L04
C	1/L04
D	3/L04
D	6/L03

PLANT SCHEDULE

BOTANICAL / COMMON NAME	QTY	SIZE	SPACING / FILL
PLANTING MIX A			
AMELANCHIER ALNIFOLIA / SERVICEBERRY	10	1 GALLON	12" @ 72" oc
HOLODISCUS DISCOLOR / OCEANSPRAY	22	1 GALLON	12" @ 48" oc
MAHONIA AQUIFOLIUM / OREGON GRAPE	22	1 GALLON	12" @ 48" oc
PHYSOCARPUS CAPITATUS / PACIFIC NINEBARK	22	1 GALLON	12" @ 48" oc
RHAMNUS PURSHIANA / CASCARA	3	1 GALLON	4" @ 108" oc
RIBES SANGUINEUM / RED-FLOWERING CURRANT	22	1 GALLON	12" @ 48" oc
ROSA NUTKANA / NOOTKA ROSE	22	1 GALLON	12" @ 48" oc
RUBUS PARVIFLORUS / THIMBLEBERRY	22	1 GALLON	12" @ 48" oc
SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY	22	1 GALLON	12" @ 48" oc
PLANTING MIX B			
ACER CIRCINATUM / VINE MAPLE	3	1 GALLON	10" @ 60" oc
CORNUS STOLONIFERA / RED TWIG DOGWOOD	7	1 GALLON	15" @ 48" oc
LONICERA INVOLUCRATA / TWINBERRY	7	1 GALLON	15" @ 48" oc
RHAMNUS PURSHIANA / CASCARA	3	1 GALLON	15" @ 108" oc
RUBUS SPECTABILIS / SALMONBERRY	7	1 GALLON	15" @ 48" oc
THUJA PLICATA / WESTERN RED CEDAR	3	1 GALLON	15" @ 108" oc
VACCINIUM OVATUM / EVERGREEN HUCKLEBERRY	7	1 GALLON	15" @ 48" oc
PLANTING MIX C			
CORNUS STOLONIFERA / RED TWIG DOGWOOD	8	1 GALLON	15" @ 48" oc
LONICERA INVOLUCRATA / TWINBERRY	8	1 GALLON	15" @ 48" oc
MYRICA GALE / SWEETGALE	8	1 GALLON	15" @ 48" oc
PICEA SITCHENSIS / SITKA SPRUCE	3	1 GALLON	5" @ 108" oc
RIBES SANGUINEUM / RED-FLOWERING CURRANT	8	1 GALLON	15" @ 48" oc
ROSA PISOCARPA	8	1 GALLON	15" @ 48" oc
SALIX SITCHENSIS / SITKA WILLOW	3	1 GALLON	5" @ 108" oc
SPIRAEA BETULIFOLIA / BIRCHLEAF SPIREA	9	1 GALLON	15" @ 48" oc
PLANTING MIX D			
CORNUS STOLONIFERA / RED TWIG DOGWOOD	196	LIVE STAKE	60% @ 24" oc
SALIX LASIANDRA / PACIFIC WILLOW	65	LIVE STAKE	20% @ 24" oc
SALIX SITCHENSIS / SITKA WILLOW	65	LIVE STAKE	20% @ 24" oc

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2210.0405.01

LANDSCAPE PLAN

DATE: 3/18/2024

PLAN NUMBER:

L02

SHEET 16 OF 18

750 Sixth Street South
Kirkland, WA 98033

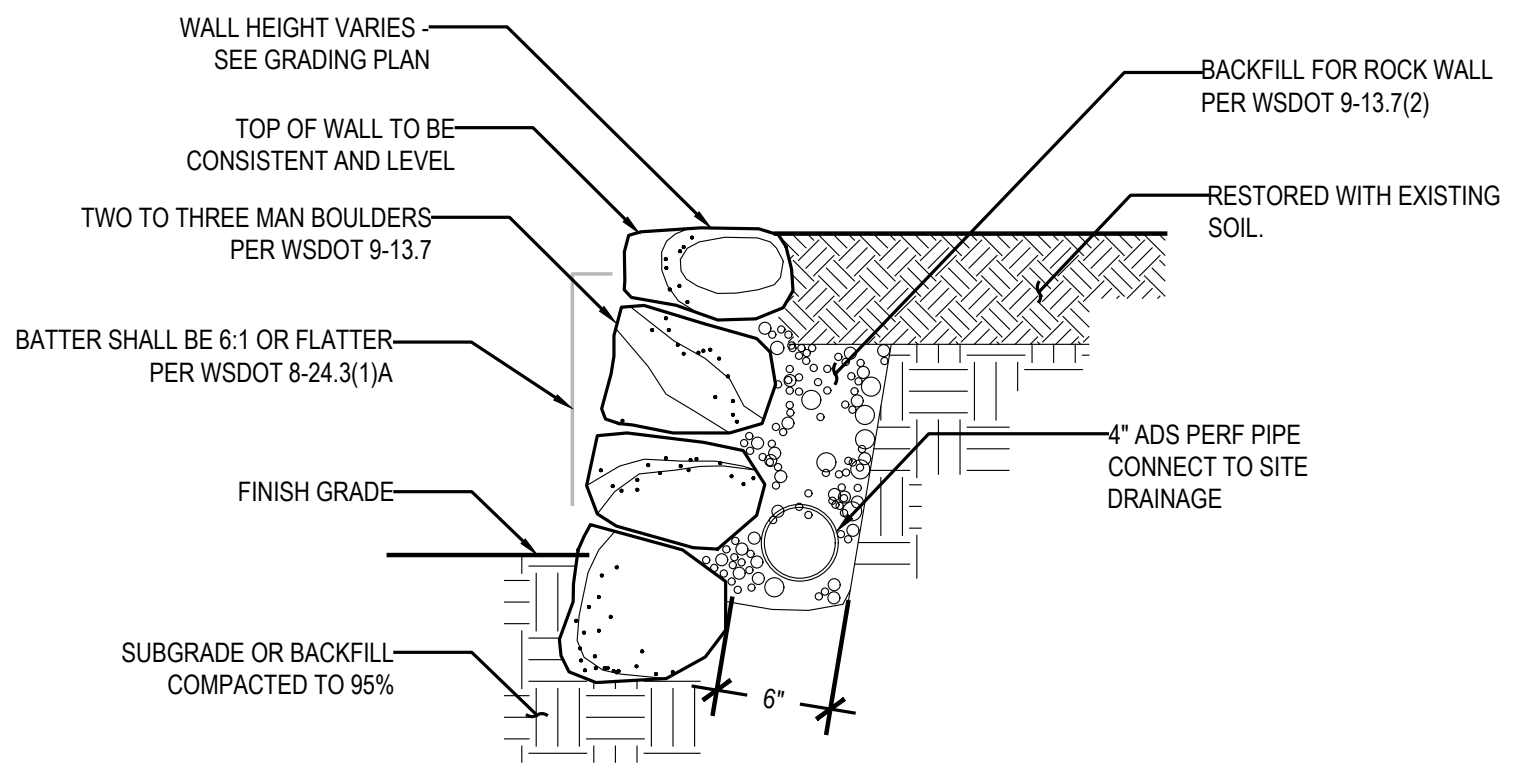
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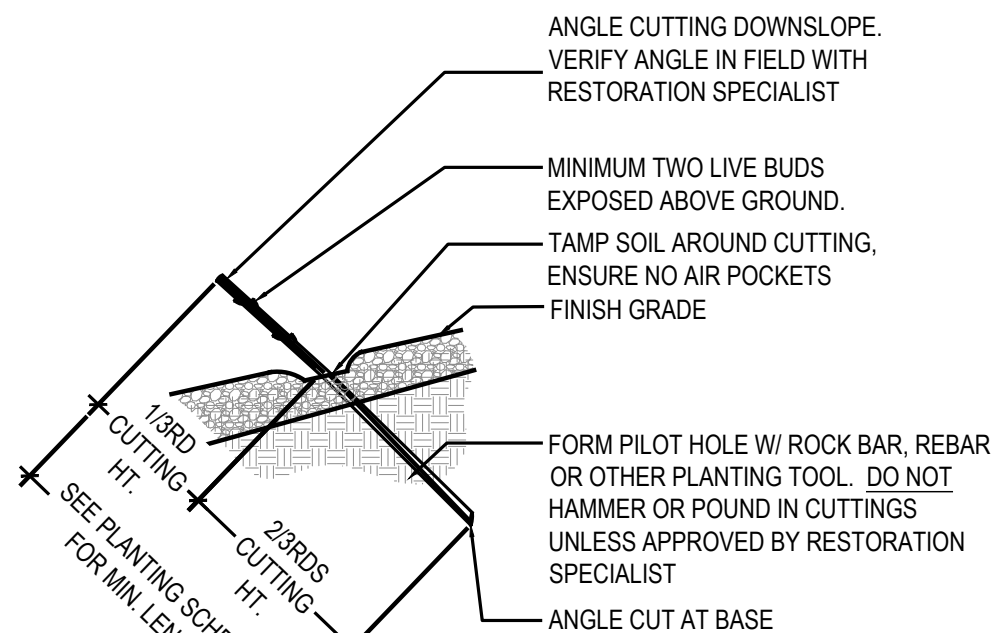
FILE LOCATION: P:\CLIENTS\CIVIL PUBLIC\WID SOUND FISHERIES\210.0405.01_MSEG.CC.WEB - PHASE 2 DRAWINGS\GADACT\VELE\L03-LANDSCAPE DETAILS.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED (18.00 X 24.00 INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: JI, GJ CHECKED BY: JI, GJ DRAWN BY: MH



- NOTES:
- ROCKS SHALL BE PLACED AND BACKFILLED IN ACCORDANCE WITH WSDOT 8-24.3(1)E.
 - STOCKPILE EXISTING SOIL TO RESTORE DISTURBED AREA BEHIND WALL AFTER CONSTRUCTION.

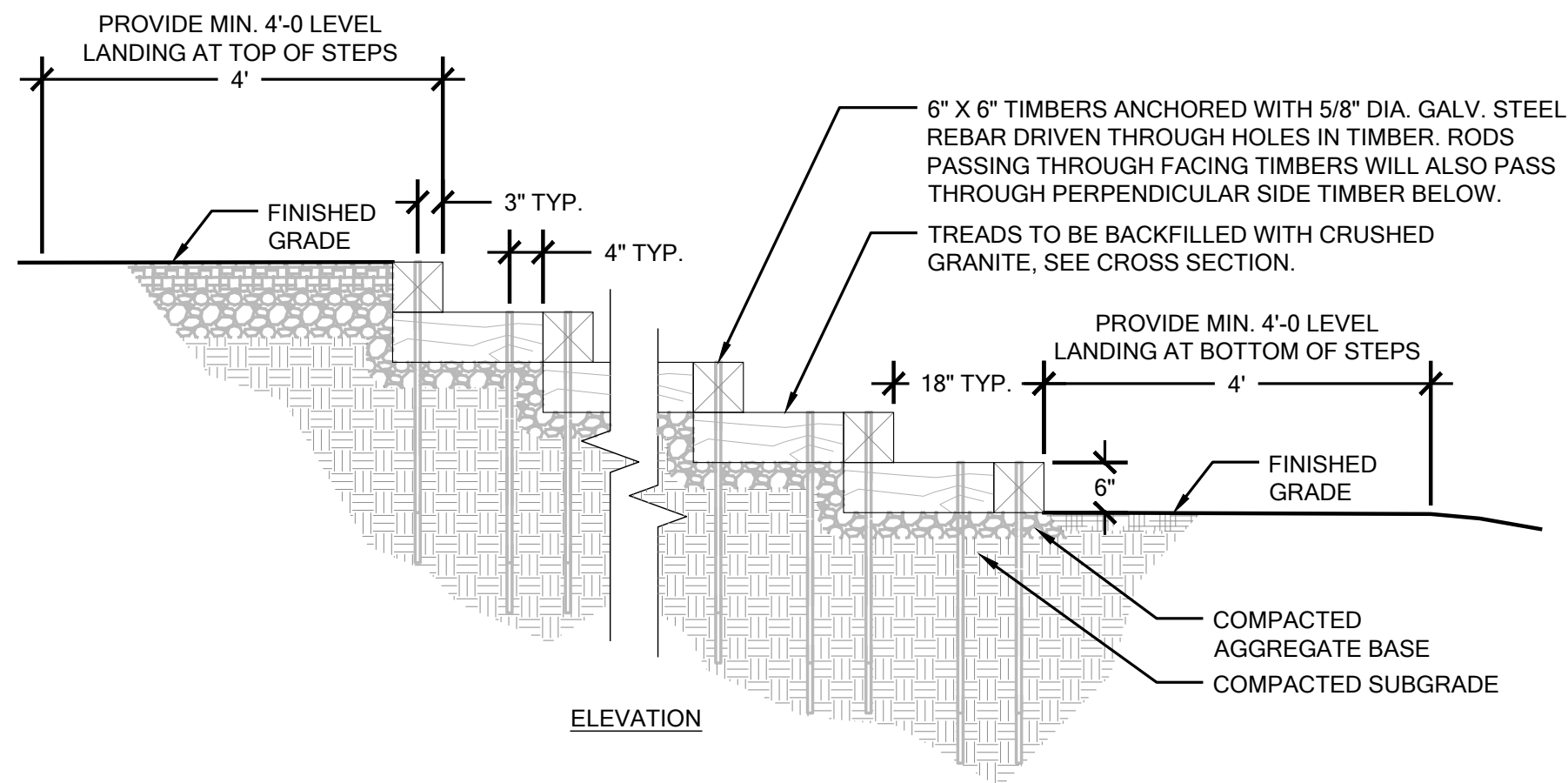
1 LANDSCAPE WALL

NOT TO SCALE

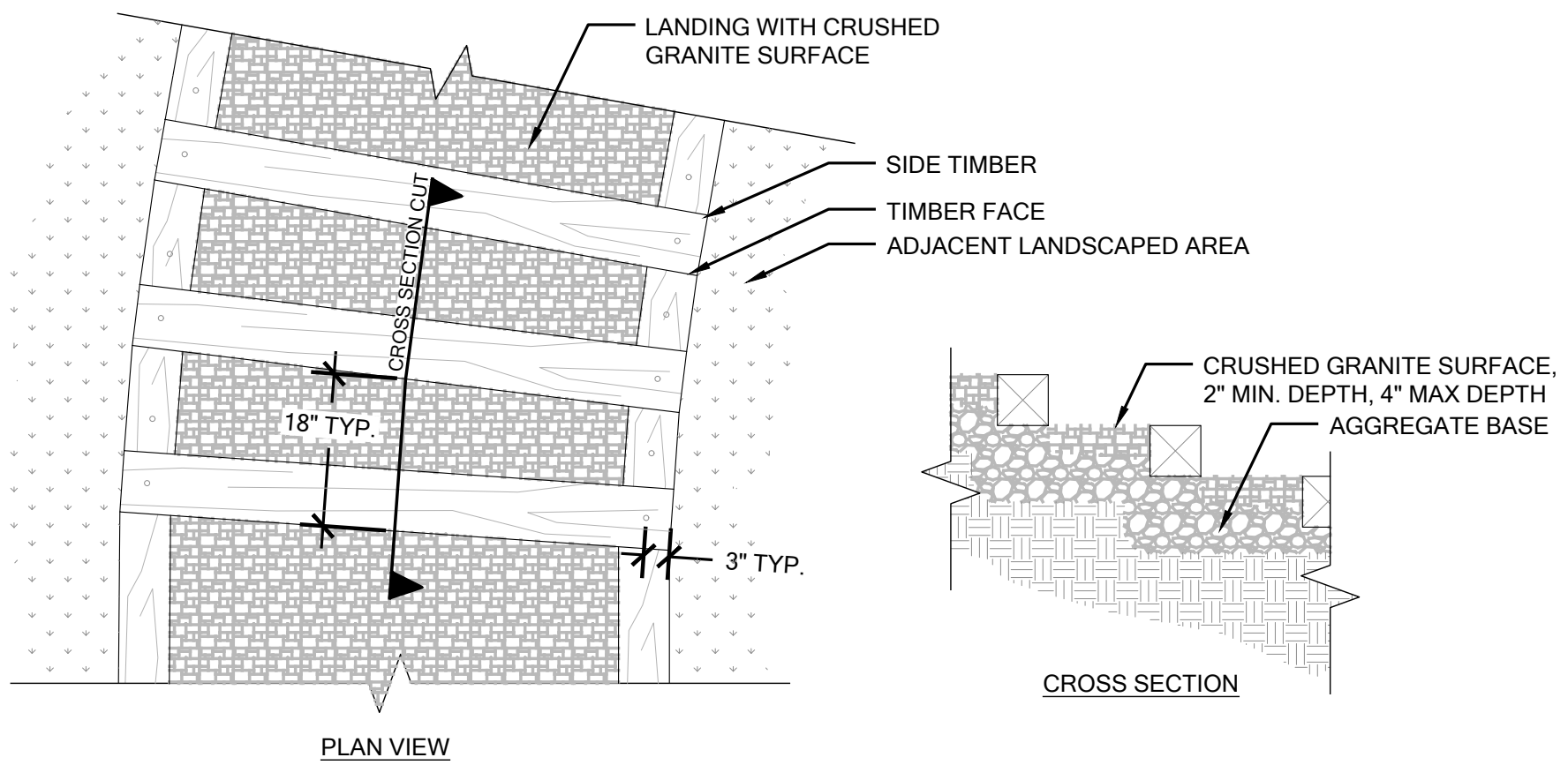


2 LIVE STAKE INSTALLATION DETAIL

NOT TO SCALE

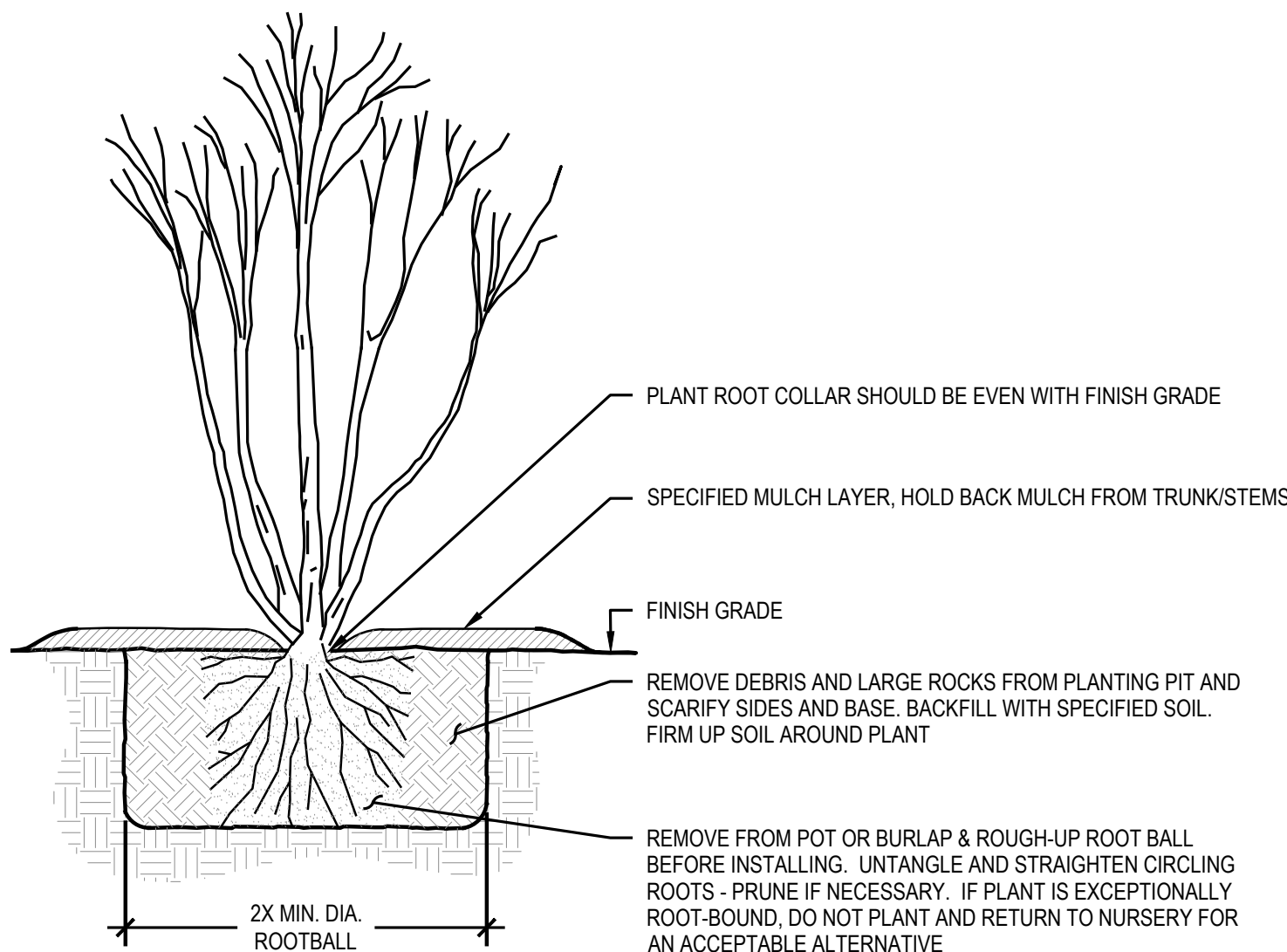


ELEVATION



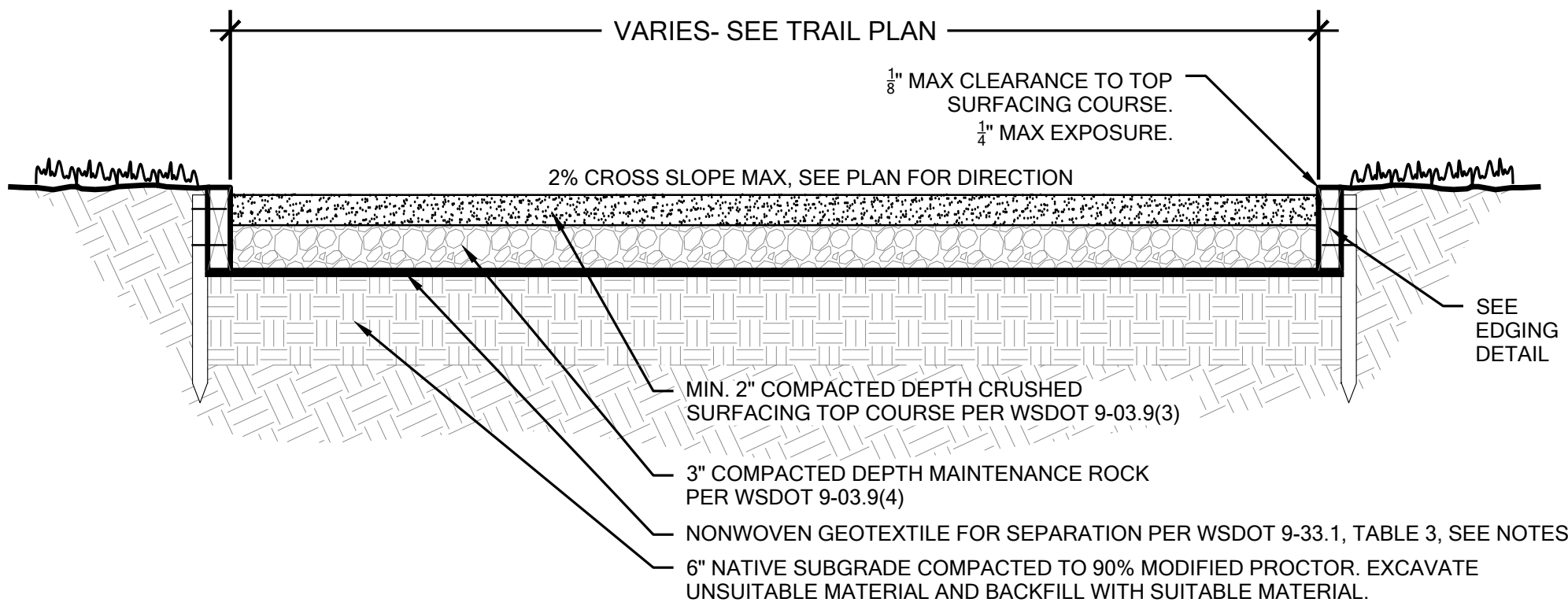
4 TIMBER BOX STEPS

NOT TO SCALE



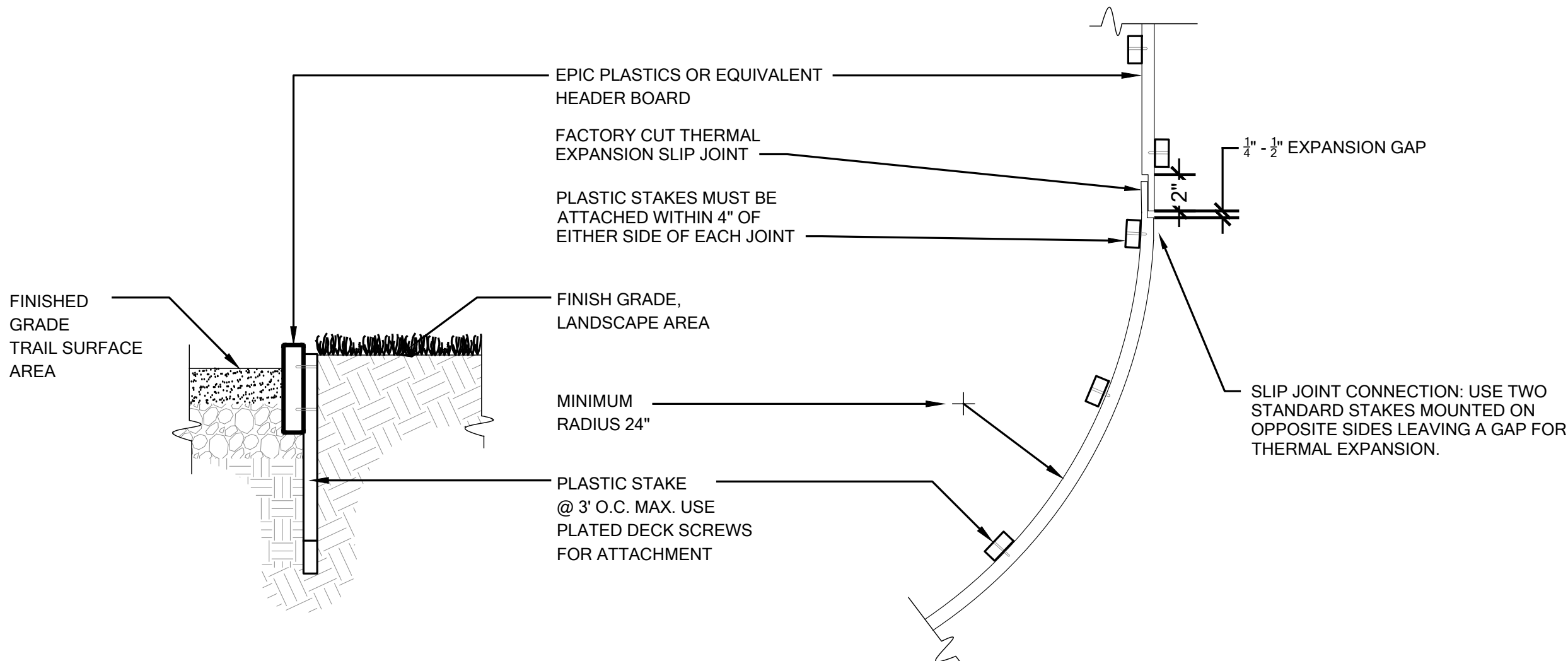
5 CONTAINER PLANTING

NOT TO SCALE



TRAIL SECTION

- NOTES:
- COMPACT THE SUBGRADE, REPLACING UNSUITABLE MATERIAL AS NECESSARY.
 - PREPARE SUBGRADE: ENSURE SURFACE IS CLEAR OF ANY WEEDS, ROOTS, OR DEBRIS. THE SURFACE SHALL BE SMOOTH, UNIFORM, AND FREE OF ABRUPT CHANGES IN GRADE.
 - PLACE GEOTEXTILE.
 - PLACE MAINTENANCE ROCK, COMPACT TO 90% MODIFIED PROCTOR.
 - PLACE CRUSHED SURFACING TOP COURSE, COMPACT TO 90% MODIFIED PROCTOR.
 - CONTRACTOR SHALL WET THE SURFACE OF THE ROCK DURING COMPACTION TO HARDEN THE SURFACE.
 - INSTALL EDGING PER DETAIL.



TRAIL EDGING SECTION

HDR. SIZE	ACTUAL DIMENSIONS	MINIMUM RADIUS POSSIBLE	MAXIMUM CROWN POSSIBLE	THERMAL EXPANSION GAP AT SLIP JOINT
1X4	3 3/8" x 11/16" x 20'	24"	19" / 20'	1/4" - 1/2"

TRAIL EDGING PLAN VIEW

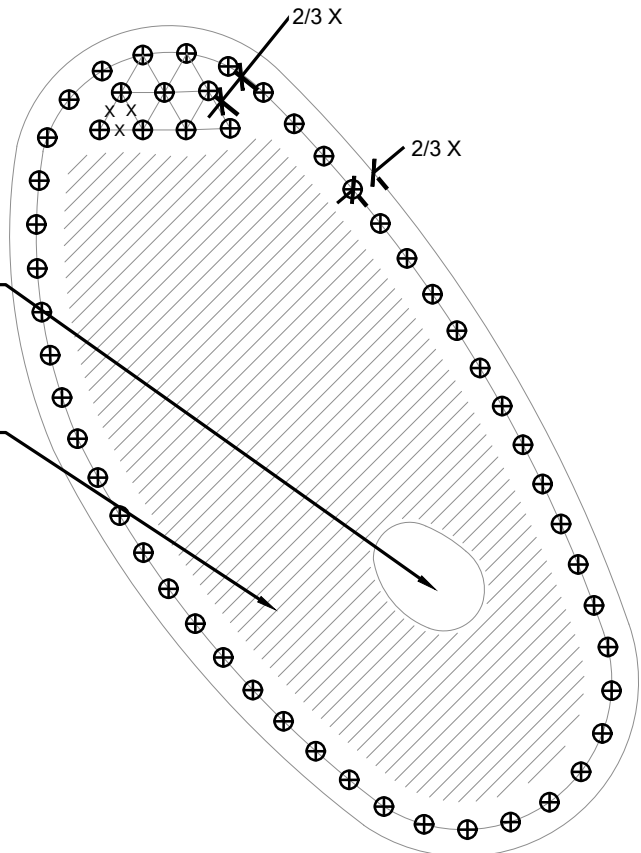
- NOTE:
- DO NOT SCREW THROUGH SLIP JOINT**
 - USE COARSE WOOD WORKING TOOLS FOR CUTTING & DRILLING
 - USE PLATED SCREWS OR RING SHANK NAILS TO JOIN BOARD TO STAKE
 - ALLOW FOR THERMAL EXPANSION & CONTRACTION BY LEAVING GAPS IN THE SLIP JOINTS OR AT THE END OF THE RUN
 - STAKE APPROX 3' 0" OC (MORE FOR STRAIGHT RUNS, LESS FOR CURVES)

IF VEGETATION EXISTS WITHIN PLANTING AREA, SPACE AT 1/2 X FROM STEM OF EXISTING VEGETATION

AREA FOR SPACING ADJUSTMENT

NOTE:
FIRST PLACE PLANTS ALONG THE PERIMETER OF THE PLANTING AREA, AND AROUND EXISTING VEGETATION. THEN SPACE THE REMAINDER OF THE PLANTINGS.

x = PLANT SPACING
⊕ = PLANT



6 TYPICAL PLANT SPACING

NOT TO SCALE

LANDSCAPE DETAILS

SCALE 1" = 10'

DIG WATERSHED
P: 425.822.5242
F: 425.827.8136
www.digwatershed.com
750 Sixth Street South
Kirkland, WA 98033
FEDERAL WAY | KIRKLAND | MOUNT VERNON | SEATTLE | SPOKANE | WIDEBEY ISLAND



CALL 811
2 BUSINESS DAYS
BEFORE YOU DIG
(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)

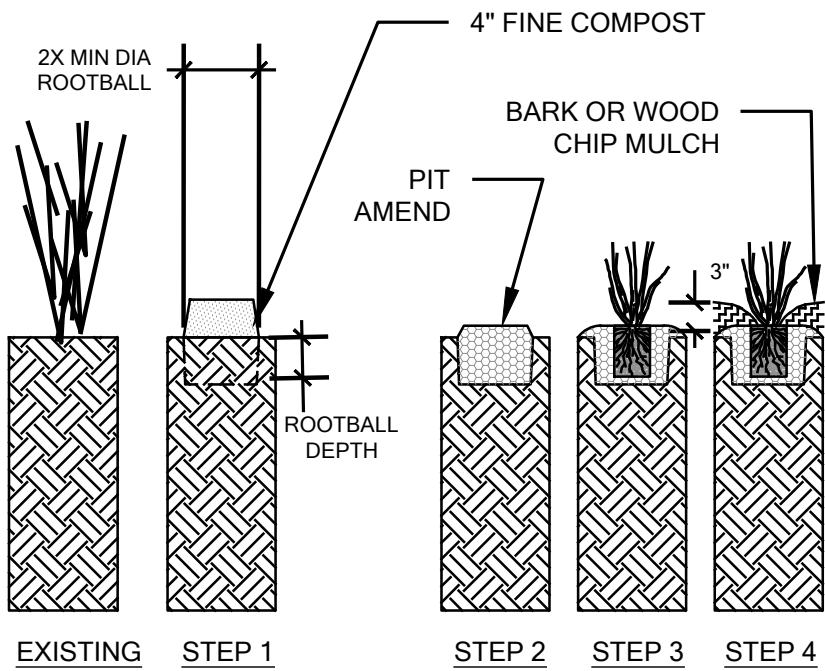
COTTAGE LAKE CREEK WEIR REMOVAL
MID PUGET SOUND FISHERIES ENHANCEMENT GROUP
WOODINVILLE WA, 98077 (PARCELS 683880TRCT & 344350TRCT)
2210.0405.01

LANDSCAPE DETAILS

DATE: 3/18/2024
PLAN NUMBER:
L03
SHEET 17 OF 18

FILE LOCATION: P:\CLIENTS\CIVIL - PUBLIC\WID SOUND FISHERIES\2210.0405.01 - MSSEG C.C. WEIR - PHASE 2\DRAWINGS\CONSTRUCTIVE\LEI\L04-SITE PREPARATION DETAILS.DWG - ORIGINAL SHEET SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) - LAST MODIFIED BY: MIKE HECK
PRINCIPAL: ED PROJECT MANAGER: ED, GJ DESIGNED BY: JL, GJ CHECKED BY: JL, GJ DRAWN BY: MH

PLANTING AREA PREPARATION
STEP 1
PERFORM WEED CONTROL PER WSDOT 8-02.3(3)B.
STEP 2
INSTALL CONTAINER PER PLANTING DETAIL ON SHEET L03 AND INSTALL A UNIFORM LAYER OF BARK OR WOODCHIP MULCH TO A THREE (3) INCH DEPTH.



PLANTING AREA PREPARATION
STEP 1
REMOVE UNDESIRABLE SPECIES. WORK WITHIN EXISTING ROOT ZONES SHALL BE DONE BY HAND. TREAT PLANTING AREAS PER CONTRACT REQUIREMENTS.
STEP 2
PLACE 0.13 CF / 1 GALLON OF COMPOST PER PLANTING PIT AND MIX WITH EXCAVATED SOIL. DO NOT PLACE COMPOST IN WETLAND PLANTING AREAS.
STEP 3
LEAVE MINIMUM ONE (1) INCH LAYER OF AMENDED SOIL AT THE BOTTOM OF THE PIT THEN INSTALL PLANT (SEE PLANTING DETAIL). BACKFILL WITH AMENDED SOIL.
STEP 4
INSTALL 24-INCH RADIUS BARK OR WOOD CHIP MULCH RING TO A DEPTH OF THREE (3) INCHES.

1 SITE PREPARATION 1 - WEED CONTROL AND MULCH

NOT TO SCALE

2 SITE PREPARATION 2 - AMEND EXISTING SOIL

NOT TO SCALE

