

GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.
5. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)

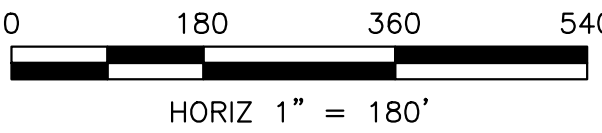
LEGEND:

- CHECK DAM
- STABILIZED BERM
- SAFETY BERM
- LIMITS OF WORK
- FINAL STABILIZATION

NOTES:

1. FINAL STABILIZATION FOR STAGING AREAS WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
2. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
3. EROSION AND SEDIMENT CONTROL MEASURES WERE SELECTED PER THE CASQA MANUAL.
4. WHERE ROCK IS NOT PRESENT ALONG A SWALE ALIGNMENT, BOTTOM SLOPES LESS THAN OR EQUAL TO 5% SHALL BE HYDROSEEDED, WHILE BOTTOM SLOPES GREATER THAN 5% SHALL BE ROCK-LINED IN ACCORDANCE WITH DRAWING C1622.

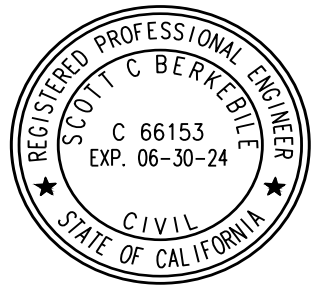
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REV	DESCRIPTION	BY	CHK	APP	DATE
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0	ISSUED FOR CONSTRUCTION	LB	SB	SRM	05/27/22

WARNING
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



DESIGNED	L. BUETIKOFER
DRAWN	R. MARTIN
REVIEWED	S. BERKEBILE
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



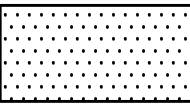



PROJECT	KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE	IRON GATE FACILITY FINAL EROSION AND SEDIMENT CONTROL DISPOSAL SITES STABILIZATION PLAN - (SHEET 1 OF 2)

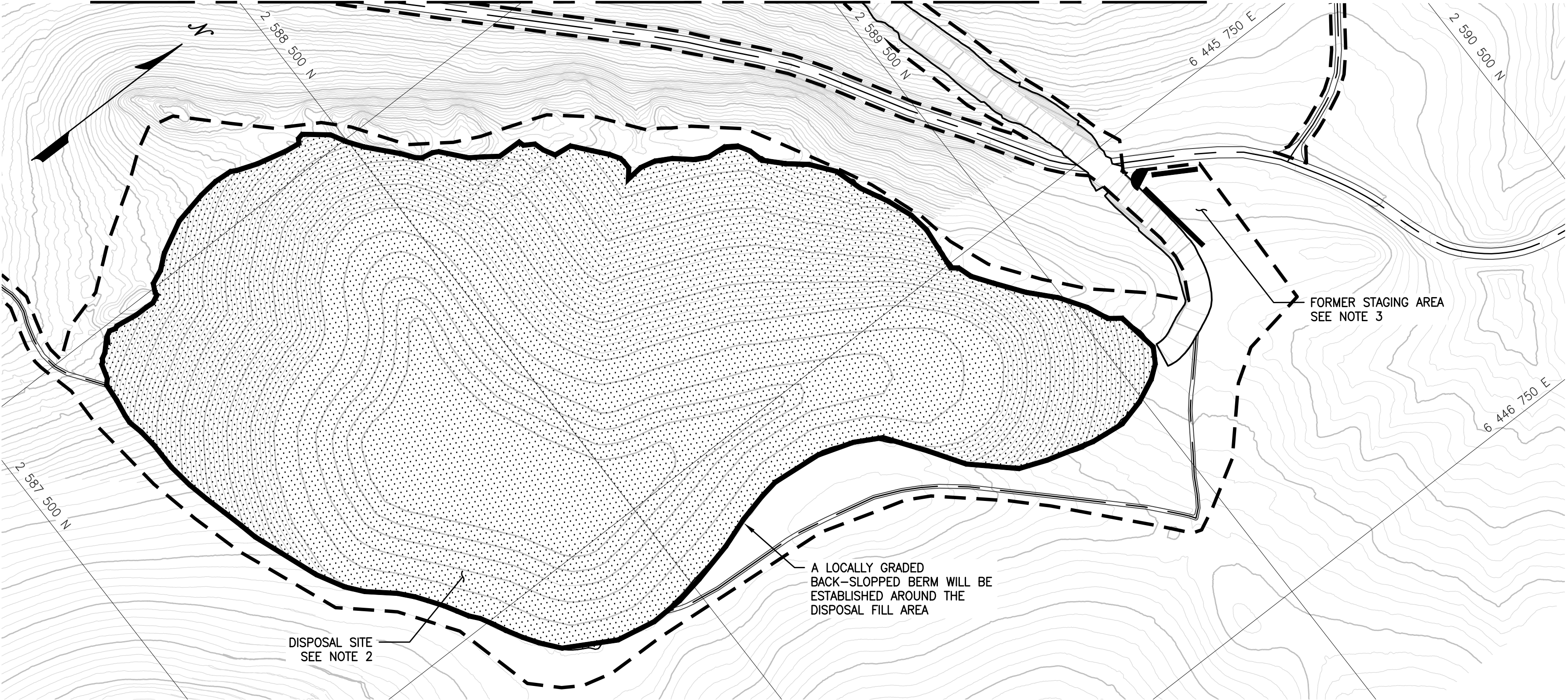
PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C4610

WPCD-IG-04

MATCH LINE SEE SHEET C4610

LEGEND:

-  FINAL STABILIZATION
-  CHECK DAM
-  STABILIZED BERM
-  LIMITS OF WORK



NOTES:

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3. FINAL STABILIZATION OF STAGING AREAS WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.

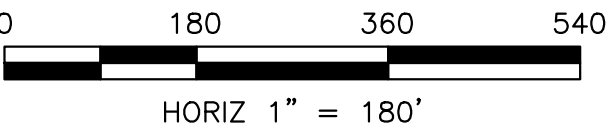
PLAN

1" = 180'

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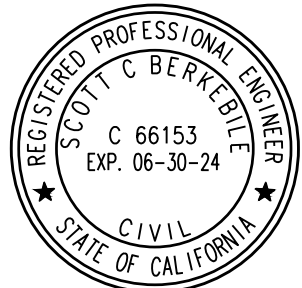
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PREPARED BY:



DESIGNED L. BUETIKOFER

DRAWN R. MARTIN

REVIEWED S. BERKEBILE

IN CHARGE N. BISHOP

APPROVED S. MOTTRAM

PREPARED FOR



PROJECT
KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE
IRON GATE FACILITY
FINAL EROSION AND SEDIMENT CONTROL
DISPOSAL SITES STABILIZATION PLAN - (SHEET 2 OF 2)

PROJ # VA103-640/1

DATE 05/27/2022

DWG

C4615

WPCD-IG-05

WATER POLLUTION CONTROL DRAWINGS FOR "ACCESS ROAD AND BRIDGES IMPROVEMENTS" - CAMP CREEK, SCOTCH CREEK, FALL CREEK AT DAGGETT ROAD

NOTE

1. "THE CAMP AND SCOTCH CREEK CROSSINGS WILL BE CONSTRUCTED FOLLOWING RESERVOIR DRAWDOWN. SITES TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."

GENERAL NOTES

- THIS DRAWING PACKAGE (5000 SERIES DRAWINGS) SHOW THE WORK RELATED TO THE POST-DRAWDOWN IMPROVEMENTS FOR THE ROADS, BRIDGES AND CULVERT COMPONENTS OF THE KRRP. DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE KRRP TECHNICAL SPECIFICATIONS.
- TECHNICAL SPECIFICATIONS ASSOCIATED WITH THIS WORK ARE AS FOLLOWS:
 - SECTION 32 50 00 – ROAD, BRIDGES, AND CULVERTS
 - SECTION 02 41 00 – DEMOLITION AND FACILITY REMOVAL
 - SECTION 03 30 00 – CAST-IN-PLACE CONCRETE
 - SECTION 03 10 00 – CONCRETE FORMING AND ACCESSORIES
 - SECTION 03 20 00 – CONCRETE REINFORCEMENT
 - SECTION 03 60 00 – GROUTING
 - SECTION 05 12 00 – STRUCTURAL STEEL
 - SECTION 31 05 00 – MATERIALS FOR EARTHWORK
 - SECTION 31 10 00 – CLEARING, GRUBBING AND STRIPPING
 - SECTION 31 25 00 – EROSION AND SEDIMENTATION CONTROLS
 - SECTION 31 60 00 – FOUNDATION PREPARATION
 - SISKIYOU COUNTY AND KLAMATH COUNTY MOUS.
- INSPECTIONS AND TESTING WILL BE IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS AND THE QUALITY CONTROL INSPECTION PROGRAM (QCIP).
- NOT ALL LOCATIONS AND DIMENSIONS OF EXISTING STRUCTURES AND FEATURES HAVE NOT BEEN VERIFIED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CONTROLLING DIMENSIONS OF NEW AND EXISTING FEATURES PRIOR TO ORDERING OR FABRICATING MATERIAL OR CONSTRUCTING PROPOSED IMPROVEMENTS. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION OF THE FEATURE IN QUESTION.
- PRIOR TO THE START OF CONSTRUCTION, LOCATE ALL EXISTING AND UNDERGROUND UTILITIES IN AND AROUND THE AREAS OF NEW CONSTRUCTION. VERIFY THAT THE PROPOSED CONSTRUCTION DOES NOT CONFLICT WITH EXISTING OR PROPOSED UTILITIES OR THAT APPROPRIATE MEANS ARE PROVIDED FOR REROUTING, SUPPORTING, PROTECTING, OR OTHERWISE INCORPORATING THE UTILITIES INTO THE CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT FROM DAMAGE EXPOSED SUBGRADES, EXISTING IMPROVEMENTS, AND SURVEY MONUMENTS THAT ARE TO REMAIN IN PLACE. SUBGRADES AND IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED. CONTRACTOR SHALL NOTIFY THE PROJECT OWNER OF DAMAGE AND OBTAIN APPROVAL TO REPAIR ALL DAMAGE BEFORE REPAIR WORK IS PERFORMED.
- DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL VISUALLY MONITOR THE WORK AREA AND ADJACENT IMPROVEMENTS ON A DAILY BASIS FOR INDICATIONS OF MOVEMENT. THE CONTRACTOR SHALL STOP OPERATIONS IF DEFLECTION OR DISTRESS IS OBSERVED AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER AND THE ENGINEER.
- NOTIFY THE PROJECT OWNER AND/OR ENGINEER WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THESE DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS.
- PRODUCTS REFERENCED ON THE DRAWINGS SHALL BE CONSTRUCTED, INSTALLED, AND/OR APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS. CONTACT THE ENGINEER FOR ANY DIMENSIONS OR SPECIFIC DETAIL NOT SHOWN.
- THE CONTRACTOR SHALL MAINTAIN COMPLETE AND ACCURATE "AS-BUILT" DRAWINGS THROUGHOUT THE COURSE OF CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, THE LOCATIONS AND GRADES OF ALL UNDERGROUND AND SURFACE IMPROVEMENTS. THESE RECORDS SHALL BE MARKED IN RED (INCLUDE), GREEN (REMOVE), BLUE (COMMENTS/DIRECTIONS) STANDARD FORMAT AND SHALL BE DELIVERED TO THE PROJECT OWNER.
- ALL WORK SHALL BE PERFORMED SUCH THAT CONSTRUCTION EQUIPMENT REMAINS UPSLOPE AND OUT OF THE EXCLUSION ZONE INDICATED IN THESE DRAWINGS.
- WORK LIMITS AND CONSTRUCTION OF REPAIRS SHOWN HEREIN ARE SUBJECT TO CHANGE BASED ON FIELD EVALUATION BY THE PROJECT OWNER AND THE ENGINEER.
- THE CONTRACTOR SHALL USE EXISTING ACCESS ROADS WHERE FEASIBLE TO MINIMIZE ADDITIONAL DISTURBANCE TO PROJECT AREA. EXCAVATION AND DEVELOPMENT OF NEW ACCESS ROADS ARE PERMITTED AS APPROVED BY THE PROJECT OWNER. THE CONTRACTOR SHALL MAINTAIN ACCESS ROADS AND HAUL ROUTES IN SUITABLE CONDITIONS FOR SAFE VEHICULAR TRAFFIC FOR THE FULL DURATION OF THE PROJECT.

DESIGN BASIS AND LOADING

THE DESIGNS DEPICTED IN THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED IN THE FOLLOWING REFERENCES:

- LIDAR TOPOGRAPHIC SURVEY DATA WERE COLLECTED FOR THE ENTIRE PROJECT AREA (SEE G0006 FOR THE SURVEY COORDINATE SYSTEMS USED). SITE SPECIFIC GROUND SURVEY DATA WERE COLLECTED AT DRY CREEK BRIDGE, SCOTCH CREEK CULVERT, CAMP CREEK CULVERT, FALL CREEK CULVERT (DAGGETT ROAD), AND DAGGETT ROAD BRIDGE (KLAMATH RIVER), AND FALL CREEK BRIDGE. THE GROUND SURVEY USED THE COORDINATE SYSTEM LISTED ON G0006 AND CREATED LOCAL CONTROL.
- APPENDIX A11: ROADS, BRIDGES AND CULVERTS DESIGN CRITERIA
- APPENDIX F1: ROADS, BRIDGES AND CULVERTS DESIGN REPORT.
- APPENDIX F3: HYDROTECHNICAL DESIGN REPORT.
- APPENDIX F4: GEOTECHNICAL DESIGN REPORT.

- DESIGN IS IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
 - AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (8TH EDITION, 2017).
 - AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS (4TH EDITION, 2017).
 - OREGON DEPARTMENT OF TRANSPORT, STANDARD SPECIFICATIONS (2018).
 - FEDERAL HIGHWAY ADMINISTRATION, STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, FP-14.
 - FEDERAL HIGHWAY ADMINISTRATION, GRAVEL ROADS CONSTRUCTION AND MAINTENANCE GUIDE.
 - ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION
 - AWS D1.1 STRUCTURAL WELDING CODE

2. LOADS:

LIVE LOADS:

- HL-93 AND P-13, PERMIT DESIGN VEHICLE
- MINIMUM AASHTO HL-93 AND SNOW LOAD.

THE DYNAMIC LOAD ALLOWANCE SHALL BE 0.30 FOR ALL CULVERTS. CULVERT FOUNDATIONS ARE DESIGNED FOR LOADS IMPOSED BY ONE HL-93 LIVE LOAD PERMIT DESIGN VEHICLE.

DEAD LOAD: INCLUDES 35 PSF FOR FUTURE WEARING SURFACE.

3. GEOTECHNICAL DESIGN PARAMETERS:

SITE	ALLOWABLE BEARING CAPACITY (psf)
SCOTCH CREEK CULVERT	4000
CAMP CREEK CULVERT	2500
FALL CREEK CULVERT	4000

TABLE NOTES:

- SOIL BEARING CAPACITIES ARE BASED ON THE KRRP 100% DESIGN REPORT – APPENDIX F4 GEOTECHNICAL DESIGN FOR ROADS, BRIDGES AND CULVERTS.

4. SEISMIC DESIGN PARAMETERS:

SITE	PGA	RETURN PERIOD (yr)
SCOTCH CREEK CULVERT	0.253	1000
CAMP CREEK CULVERT	0.253	1000
FALL CREEK CULVERT	0.253	1000

TABLE NOTES:

- PGA ARE BASED ON THE KRRP 100% DESIGN REPORT – APPENDIX F4 GEOTECHNICAL DESIGN FOR ROADS, BRIDGES AND CULVERTS.

5. HYDRAULIC DESIGN PARAMETERS:

SITE	FLOOD RETURN PERIOD	WATER SURFACE ELEVATION (ft)
SCOTCH CREEK CULVERT	ANNUAL 1% PROBABLE FLOOD WSL	2338.1
CAMP CREEK BRIDGE	ANNUAL 1% PROBABLE FLOOD WSL	2328.5
FALL CREEK CULVERT	ANNUAL 1% PROBABLE FLOOD WSL	2338.1

TABLE NOTES:

- FLOOD SURFACE ELEVATIONS ARE BASED ON THE KRRP 100% DESIGN REPORT, APPENDIX F3 FLOOD SURFACE ELEVATIONS ARE TAKEN AT THE UPSTREAM FACE OF THE STRUCTURE.
- STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURES ONLY. PROTECT THE STRUCTURE WHERE EXCESSIVE CONSTRUCTION LOADS MAY OCCUR.

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REV	DESCRIPTION	BY	CHK	APP	DATE

WARNING

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PREPARED BY

Knight Piésold CONSULTING

Kiewit

DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR

KLAMATH RIVER RENEWAL CORPORATION

PROJECT	KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE	CIVIL - ROADS & BRIDGES GENERAL NOTES

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5000
	WPCD-RB-01

WATER POLLUTION CONTROL DRAWINGS FOR "ACCESS ROAD AND BRIDGES IMPROVEMENTS" - CAMP CREEK, SCOTCH CREEK, FALL CREEK AT DAGGETT ROAD

MATERIAL LEGEND & SYMBOLS

	BASALT/BRECCIA		STAGING AREA
	BOULDER AND COBBLE		(E) ASPHALT
	CH: INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.		(N) ASPHALT
	CH-SC/CL-SC MIXTURES		(N) CONCRETE
	CL: INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.		(E) CONCRETE
	GC: CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES.		(E) EARTHFILL
	GP: POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.		(N) CLASS II AB (E11)
	BASALT BOULDERS AND COBBLES WITH GRAVEL		(E) AGGREGATE BASE
	GW: WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.		(N) DRAIN ROCK (E13)
	ML: INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OF CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.		(N) STRUCTURAL FILL (E3)
	OL: ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY.		(N) EP (E6)
	SP: POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.		(N) EP (E7a)
	SW-SC MIXTURES		(N) EP/ROCK FILL (E7b)
	SW: WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.		(N) EP (E7c)
	SM: SILTY SANDS, SAND-SILT MIXTURES.		(N) ROAD EMBANKMENT FILL (E5)
	SC: CLAYEY SANDS, SAND-CLAY MIXTURES		(N) GENERAL FILL (E9)
	VOLCANIC SILTSTONE		(N) ENGINEERED STREAMBED MATERIAL (E12)
	VOLCANICLASTIC BRECCIA		

TRAFFIC MANAGEMENT LEGEND & SYMBOLS

	TRAFFIC CONES OR BARRICADES
	TEMPORARY STOP LINE (WHITE) 1.0 ft - 2.0 ft WIDTH, LENGTH TO BE WIDTH OF OPEN LANE
	STOP SIGN
	TEMPORARY BARRICADE
	TEMPORARY TRAFFIC MANAGEMENT SIGNAGE (SEE TRAFFIC MANAGEMENT SIGNAGE LEGEND)
	CONSTRUCTION CREW FLAGGER

TRAFFIC MANAGEMENT SIGNAGE LEGEND

W20-1	W20-4	W3-4	W1-4	G20-2	SC9 (CA)	W3-1	R1-1	C9A (CA)	CUSTOM SIGNAGE (TO BE SUBMITTED FOR APPROVAL)

BMPs LEGEND & SYMBOLS (ADDITIONAL SYMBOLS SHOWN ON G0005)

	EC-1 SCHEDULING		WM-1: MATERIAL DELIVERY & STORAGE
	EC-2: PRESERVATION OF EXISTING VEGETATION		WM-3: STOCKPILE MANAGEMENT
	EC-4: HYDROSEED WITH NATIVE SEED; SEE R0809 (80 SEEDS/sf OR 50 lb/AC) & ORGANIC TRACKIFIER (125 lb/AC)		WM-4: SPILL PREVENTION & CONTROL
	EC-6: WEED FREE STRAW (4,000 lb/AC) & NATIVE SEED; SEE R0809 (80 SEEDS/sf OR 50 lb/AC)		WM-5: SOLID WASTE MANAGEMENT
	RIPARIAN REVEGETATION; SEE R0809 - R0811		WM-6: HAZARDOUS WASTE MANAGEMENT
	EC-7: GEOTEXTILES & MATS		WM-8: CONCRETE WASTE MANAGEMENT
	EC-9: EARTH DIKES AND DRAINAGE SWALES		WM-9: SANITARY/SEPTIC WASTE MANAGEMENT
	EARTH DIKE		WM-10: LIQUID WASTE MANAGEMENT
	TYPE 1 DRAINAGE SWALE		VEHICLE AND EQUIPMENT OVER WATER
	EC-10: VELOCITY DISSIPATION DEVICES (REFER TO E7a, E7b, E7c)		STRUCTURE DEMOLITION/REMOVAL OVER WATER
	EC-15: SOIL PREPARATION/ROUGHENING		CONSTRUCTION ENTRANCE
	EC-16: NON-VEGETATIVE STABILIZATION		VEGETATION CLEARING/REMOVAL
	SE-1: SILT FENCE		WATER BAR
	SE-3: SEDIMENT TRAP		
	SE-4: TEMPORARY CHECK DAMS		
	SE-5: FIBER ROLL-BURLAP WATTLE		
	SE-5: TEMPORARY FIBER ROLL-BURLAP WATTLE		
	SE-6: GRAVEL BAG BERM		
	SE-9: STRAW BALE BARRIER		
	TC-1: STABILIZED CONSTRUCTION ENTRANCE/EXIT		
	TC-2: STABILIZED CONSTRUCTION ROADWAY		
	WE-1: WIND EROSION CONTROL		
	NS-5: CLEAR WATER DIVERSION (NO CASQA NUMBER)		
	NS-8: VEHICLE & EQUIPMENT CLEANING		
	NS-9: VEHICLE & EQUIPMENT FUELING		
	NS-10: VEHICLE & EQUIPMENT MAINTENANCE		
	NS-12: CONCRETE CURING		

UTILITY LEGEND & SYMBOLS

	UG-E		UNDERGROUND TRANSMISSION LINE EXISTING
	OH-E		OVERHEAD TRANSMISSION LINE EXISTING
	UG-P		UNDERGROUND TRANSMISSION LINE PROPOSED
	UG-DLT		UNDERGROUND TRANSMISSION LINE DEMO LINE ONLY

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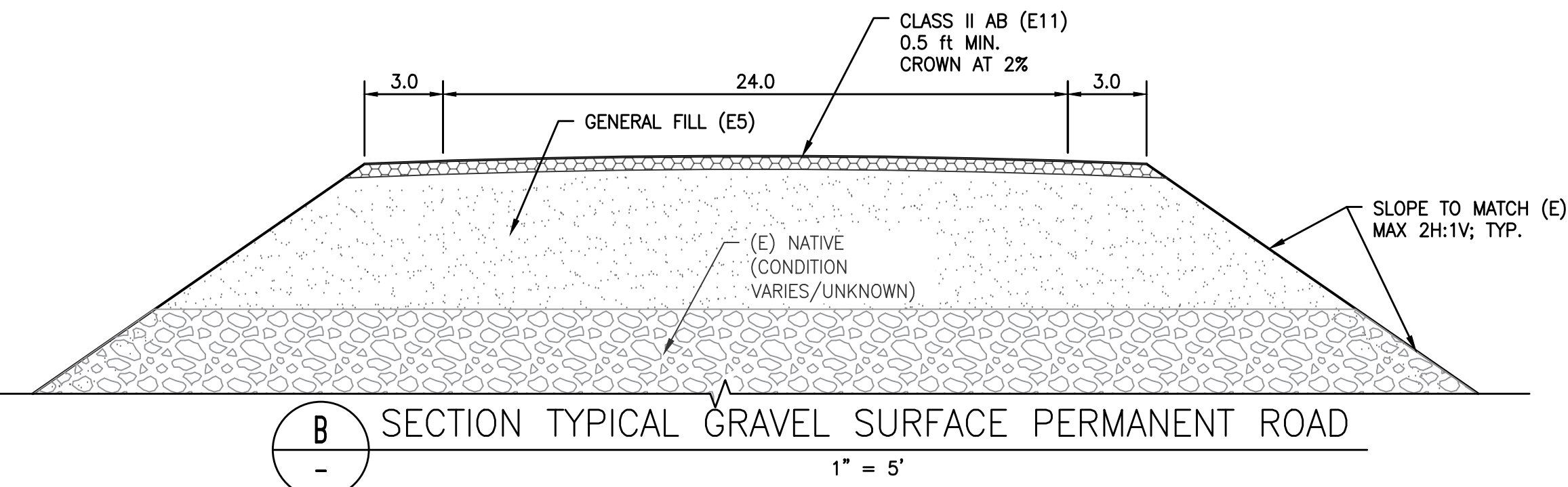
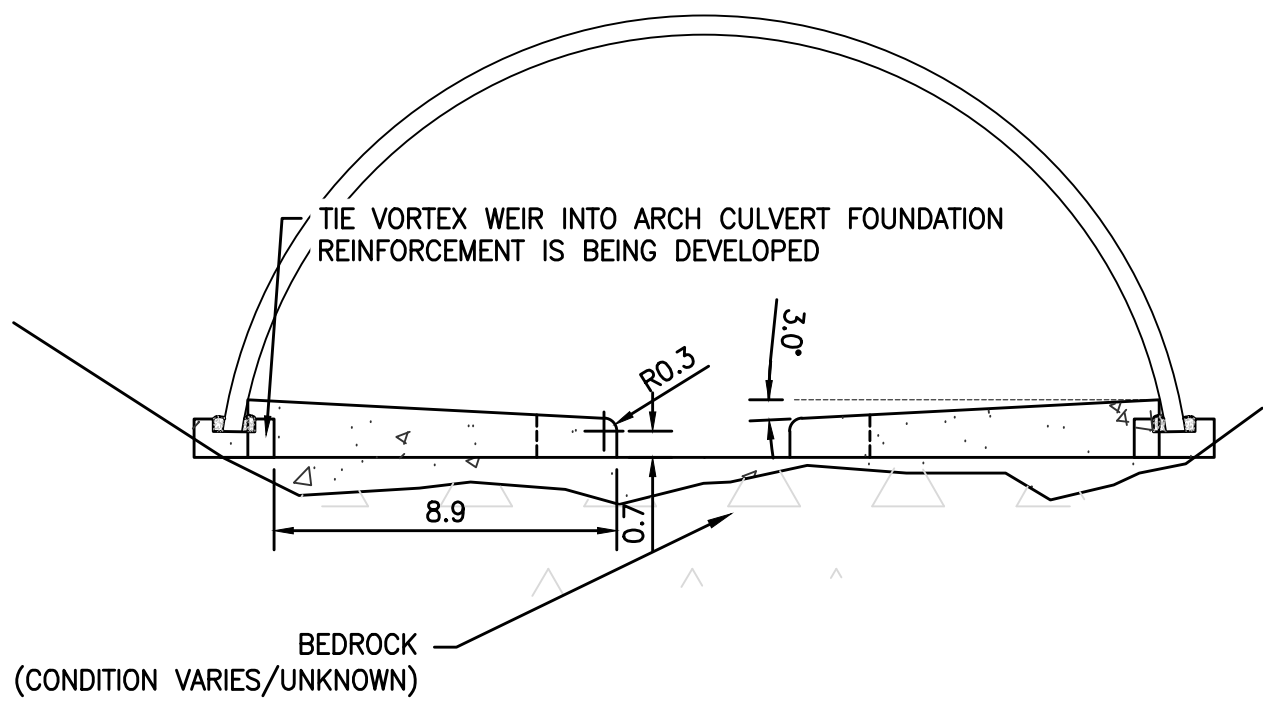
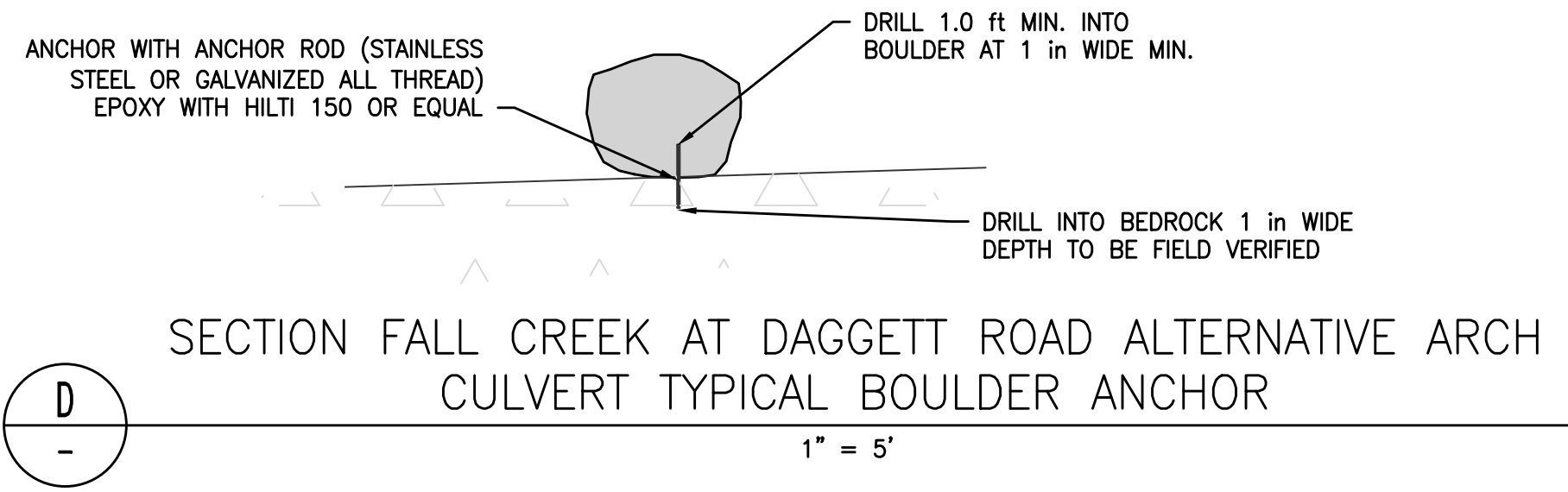
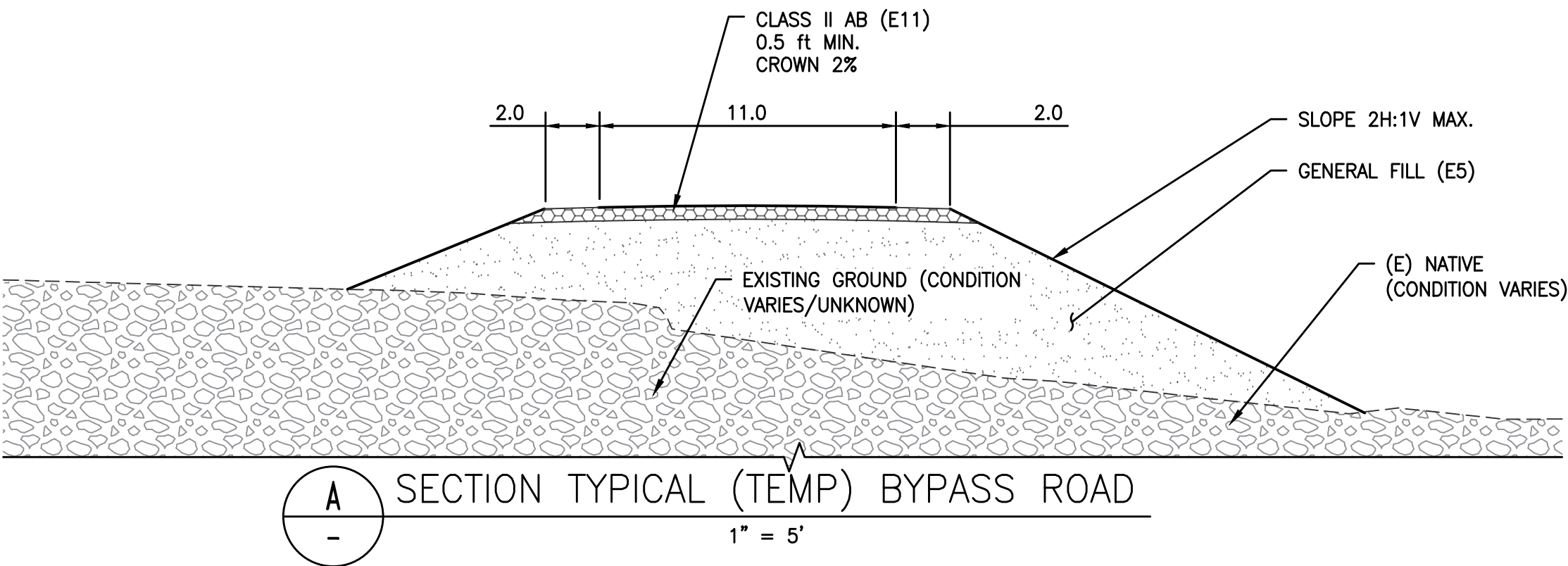


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APPROVED	S. MOTTRAM



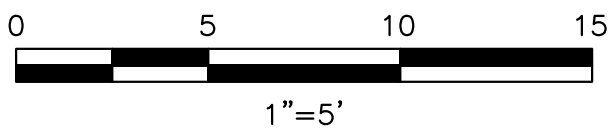
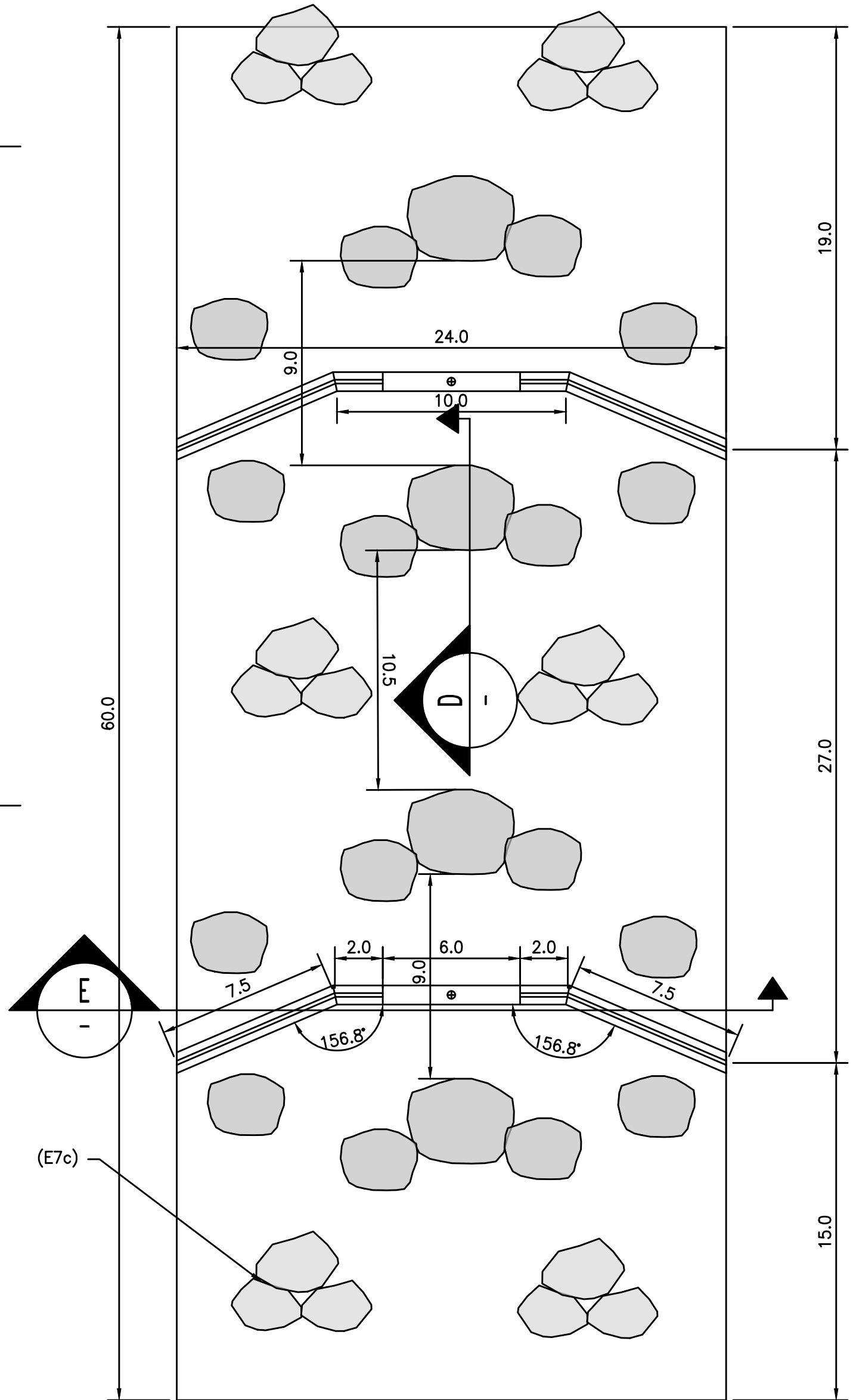
PROJECT	KLAMATH RIVER RENEWAL PROJECT		PROJ #	VA103-640/1
			DATE	05/27/2022
SHEET TITLE	CIVIL - ROADS & CULVERTS LEGEND, SYMBOLS & LINEYPES		DWG	C5002
				WPCD-RB-02

WATER POLLUTION CONTROL DRAWINGS FOR "ACCESS ROAD AND BRIDGES IMPROVEMENTS" - CAMP CREEK, SCOTCH CREEK, FALL CREEK AT DAGGETT ROAD



NOTES:

- SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERT COMPONENTS.
- SEE C5002 FOR LEGEND AND SYMBOLS.
- SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (23 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
- CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS, CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
- ALTERNATIVE DETAIL AT DAGGETT ROAD CULVERT WILL BE IMPLEMENTED IF SHALLOW BEDROCK IS ENCOUNTERED ALONG NEW ARCH CULVERT PROFILE. ENGINEER TO CONFIRM WEIR AND ROUGHNESS ELEMENT DESIGNS BASED ON OBSERVED EXCAVATED CONDITIONS.



ISSUED FOR CONSTRUCTION



REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	JO	CS	SRM	05/27/22

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR

PROJECT
KLAMATH RIVER RENEWAL PROJECT

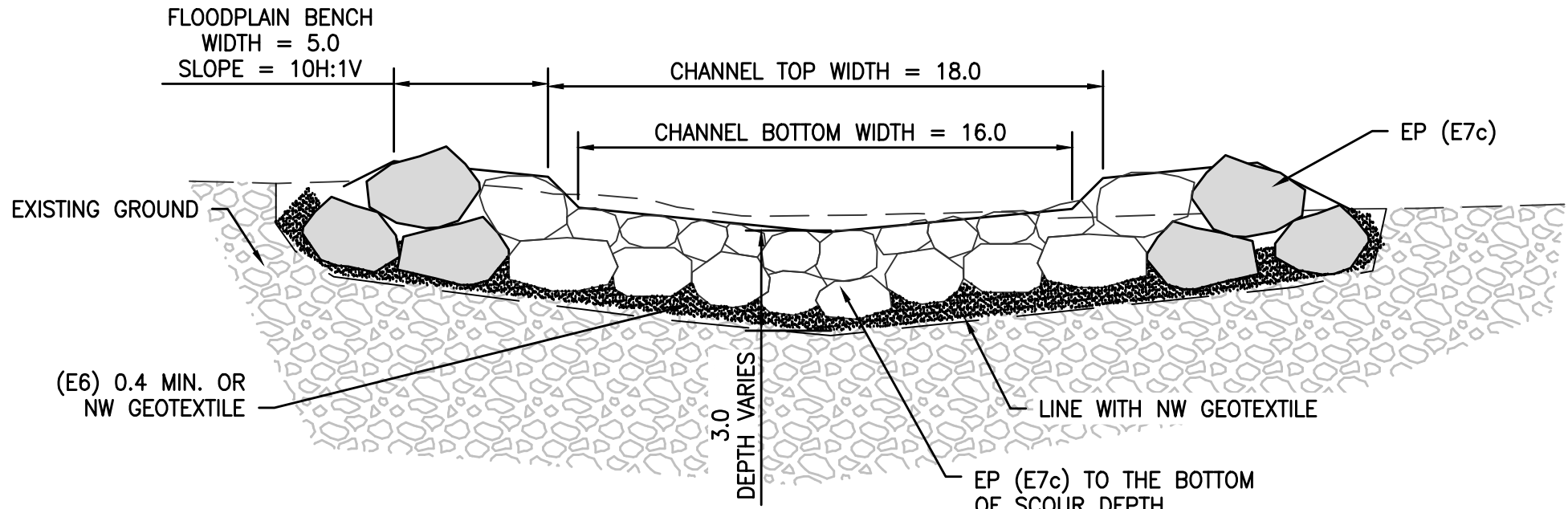
SHEET TITLE
CIVIL - ROADS & CULVERTS
TYPICAL DETAILS
SHEET 1 OF 2

PROJ #
VA103-640/1
DATE
05/27/2022
DWG
C5003
WPCD-RB-03

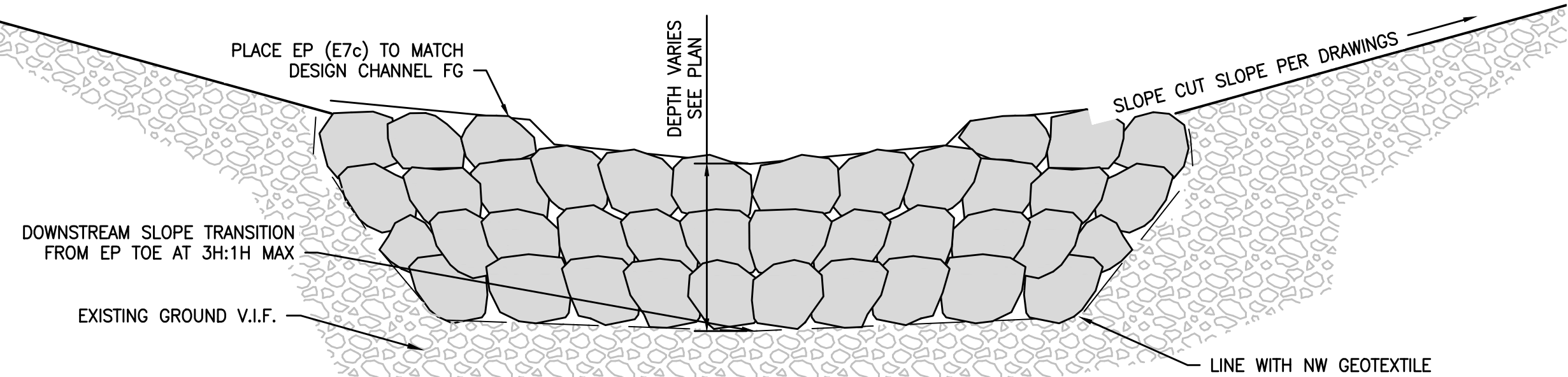
WATER POLLUTION CONTROL DRAWINGS FOR "ACCESS ROAD AND BRIDGES IMPROVEMENTS" - CAMP CREEK, SCOTCH CREEK, FALL CREEK AT DAGGETT ROAD

NOTES:

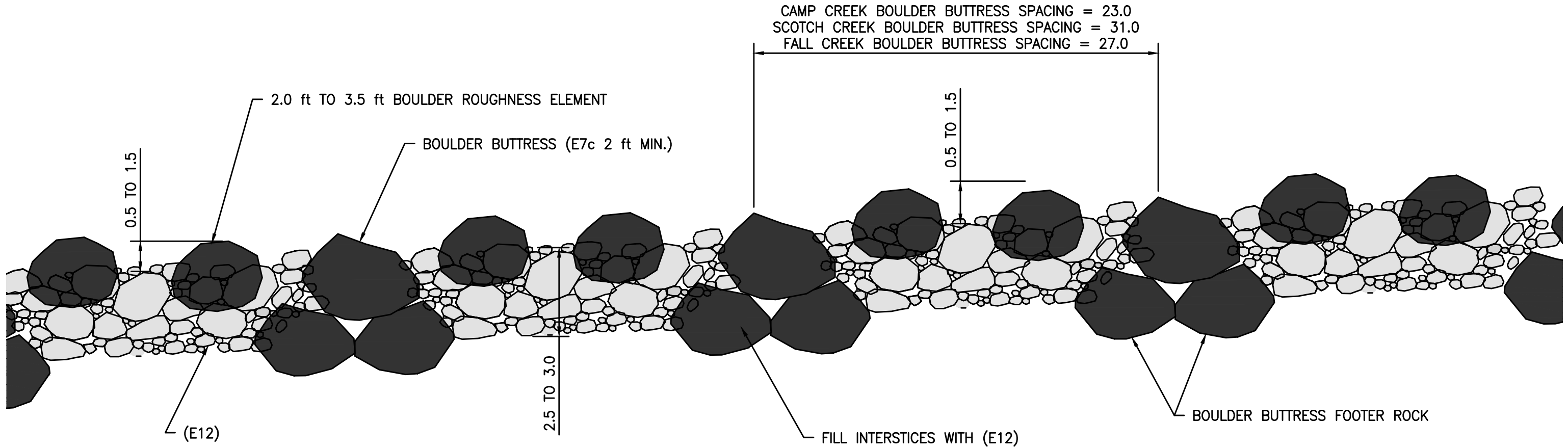
- 1. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES AND CULVERT COMPONENTS.
- 2. SEE C5002 FOR LEGEND AND SYMBOLS.
- 3. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (23 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
- 4. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS. CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.



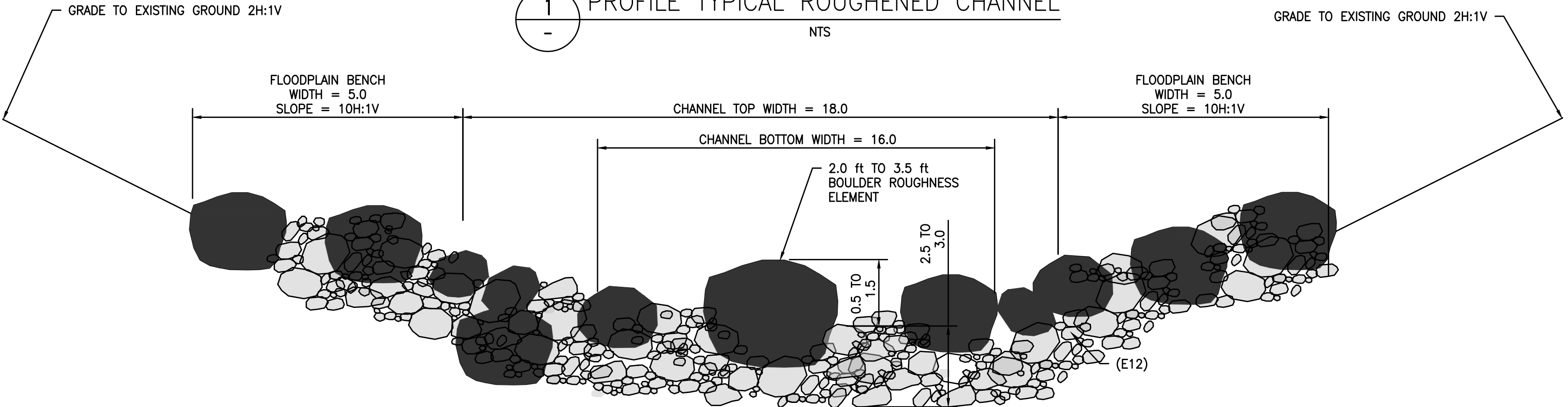
A SECTION TYPICAL UPSTREAM TRANSITION (ROCK VANE)
1" = 5'



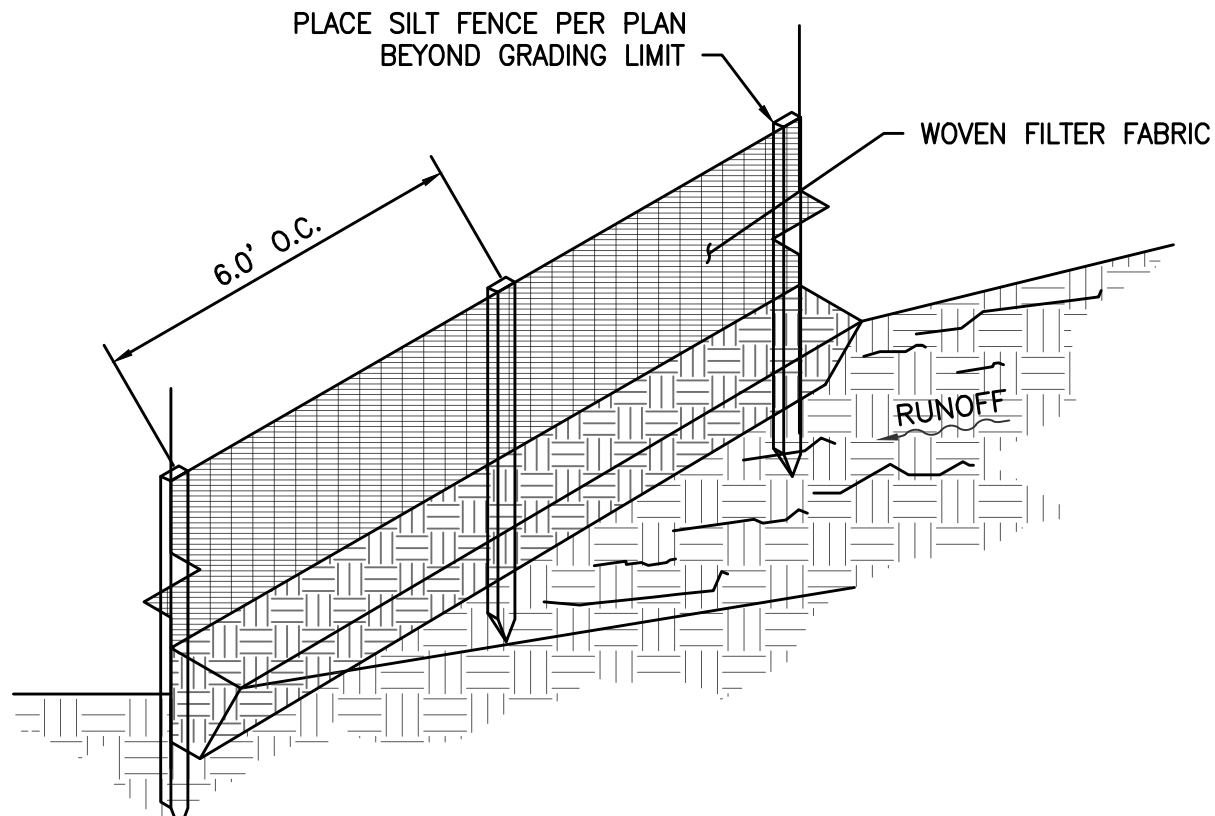
B SECTION TYPICAL DOWNSTREAM TRANSITION (EP)
1" = 5'



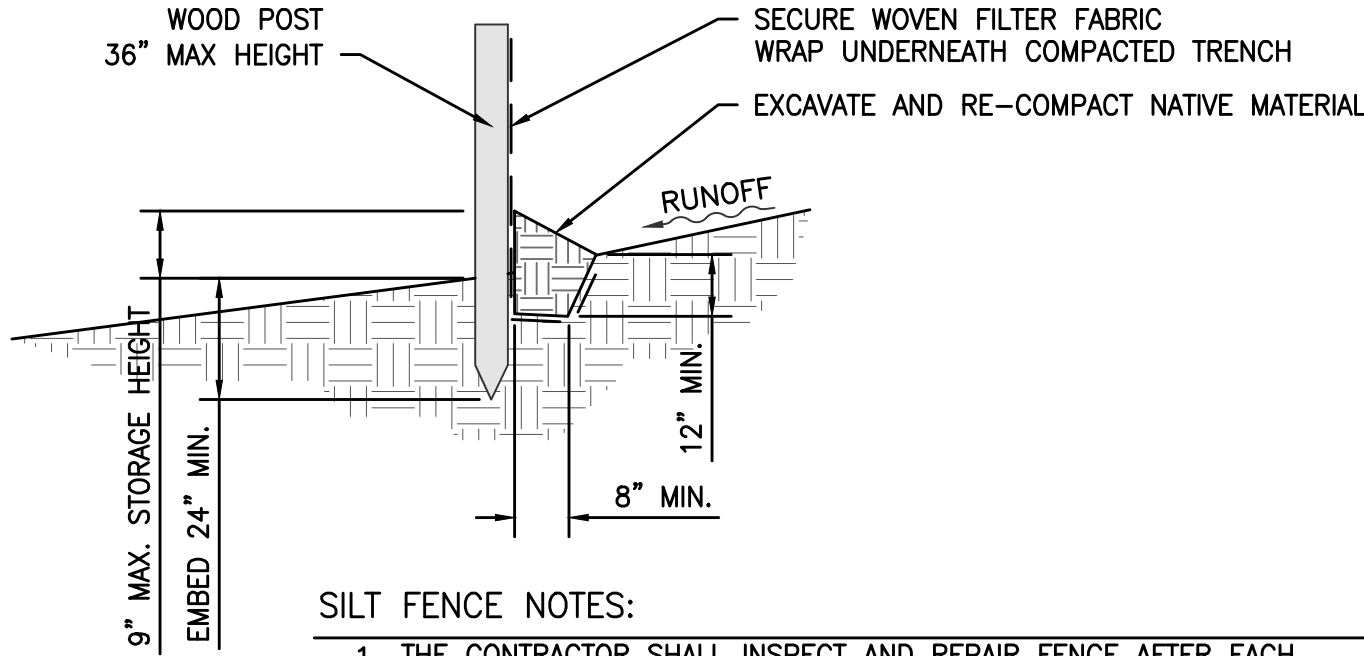
1 PROFILE TYPICAL ROUGHENED CHANNEL
NTS



2 SECTION TYPICAL ROUGHENED CHANNEL CROSS
NTS



3 DETAIL SILT FENCE INSTALLATION
NTS



- SILT FENCE NOTES:
- 1. THE CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT.
 - 2. CONTRACTOR SHALL REMOVE SEDIMENT AS NECESSARY. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND IN AN AREA THAT CAN BE PERMANENTLY STABILIZED.
 - 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

ISSUED FOR CONSTRUCTION

PC:104 - May 24, 2022 - 3:50PM
P:\CIB\KARR\DESIGN\100% DESIGN\Final Rev00C5004 R01.dwg

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	JO	CS	SRM	05/27/22

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



PROJECT	KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE	CIVIL - ROADS & CULVERTS TYPICAL DETAILS SHEET 2 OF 2

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5004

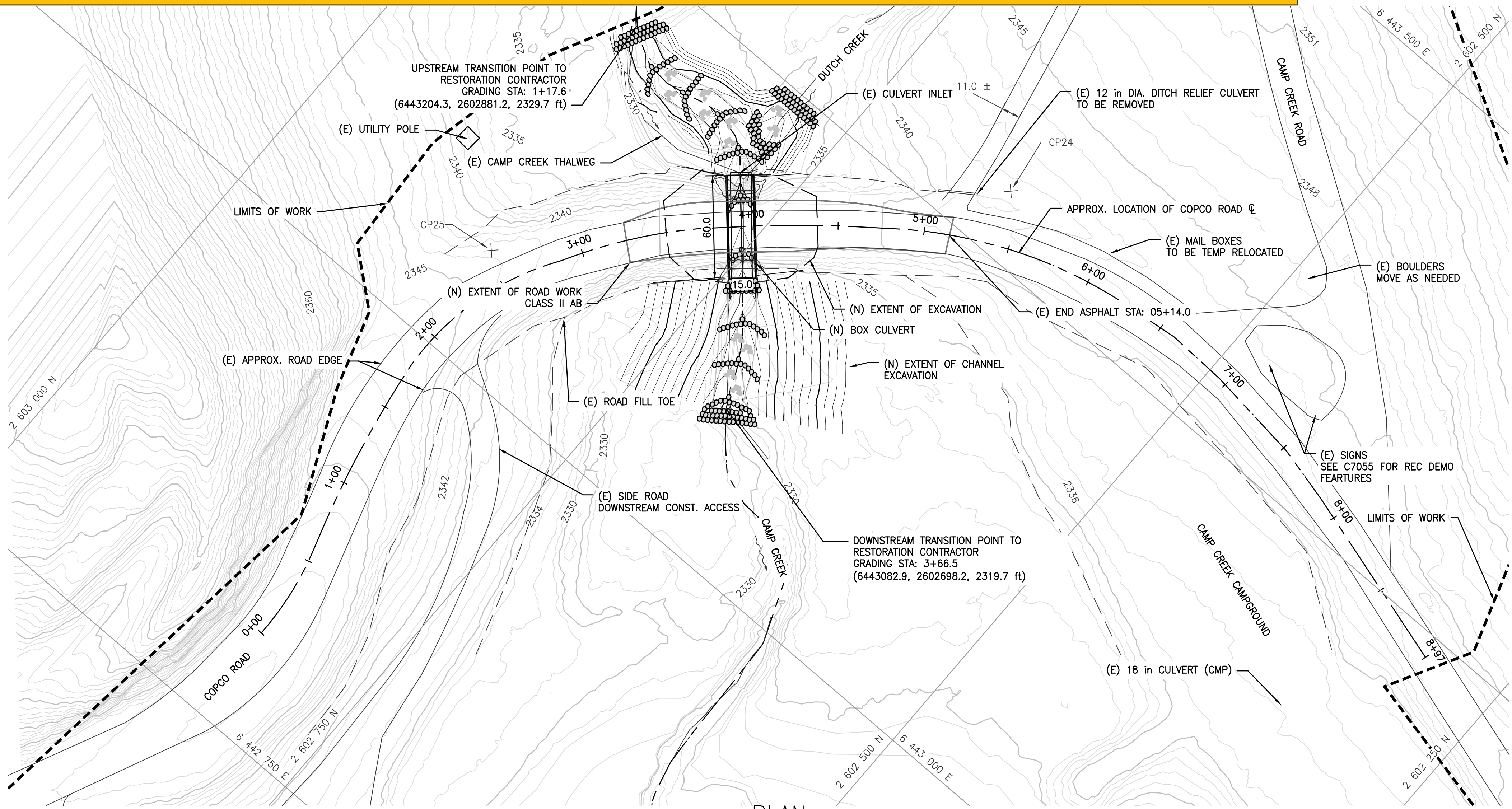
WPCD-RB-04

WATER POLLUTION CONTROL DRAWINGS FOR "ACCESS ROAD AND BRIDGES IMPROVEMENTS" - CAMP CREEK, SCOTCH CREEK, FALL CREEK AT DAGGETT ROAD

NOTES:

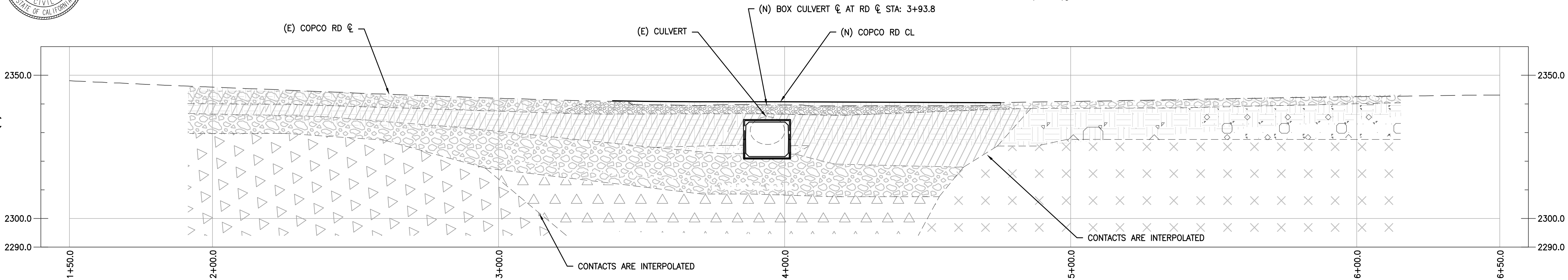
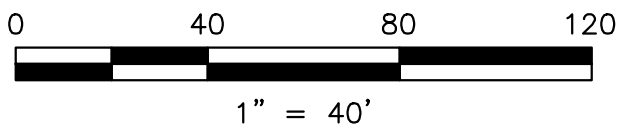
1. STATIONING OF ROADS PER LOCAL SURVEY AND ALL OTHER AREAS AND CONTOURS MAY BE BY LIDAR SURVEY. AND DISCREPANCIES SHOULD USE LOCAL CONTROLS FOR VERIFICATION.
2. SEE THIS SHEET FOR SITE CONTROL POINTS.
3. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERT COMPONENTS.
4. SEE C5002 FOR LEGEND AND SYMBOLS.
5. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (32 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
6. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS, CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
7. LIDAR AND LOCAL SURVEY INFORMATION USED ON THESE PLANS, CONTRACTOR TO COORDINATE ELEVATION DISCREPANCIES WITH ENGINEER.
8. SEE THIS DRAWING FOR SURVEY CONTROL POINT.
9. "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."

COPCO ROAD (CAMP CREEK) STATIONING			
STATION/ID	EASTING	NORTHING	ELEVATION
0+00	6442536.0	2602824.2	2352.6
0+50.00	6445576.8	2602815.7	2351.9
1+00.00	6442905.3	2602843.2	2350.3
1+50.00	6442954.2	2602853.7	2348.1
2+00.00	6443003.9	2602858.3	2345.9
2+50.00	6443052.6	2602848.1	2343.8
3+00.00	6443096.7	2602824.8	2342.0
3+50.00	6443137.2	2602795.6	2340.9
4+00.00	6443172.5	2602760.3	2340.9
4+50.00	6443205.2	2602722.4	2340.8
5+00.00	6443235.3	2602682.5	2340.5
5+50.00	6443259.1	2602638.7	2340.9
6+00.00	6443274.8	2602591.2	2341.7
6+50.00	6443282.0	2602541.8	2342.5
7+00.00	6443281.4	2602491.9	2343.1
7+50.00	6443275.6	2602442.3	2343.2
8+00.00	6443263.5	2602393.7	2343.6
8+50.00	6443249.8	2602345.7	2343.9
8+97.00	6443236.9	2602300.7	2344.0
CP24	6443286.5	2602655.2	2341.0
CP25	6443064.2	2602861.8	2343.7



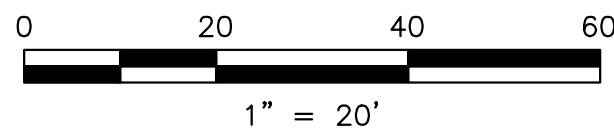
PLAN

1" = 40'



PROFILE

1" = 20'



ISSUED FOR CONSTRUCTION

PC:User: May 29, 2022 - 1:14:45pm
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0	ISSUED FOR CONSTRUCTION	JO	CS	SRM	05/27/22
REV	DESCRIPTION	BY	CHK	APP	DATE

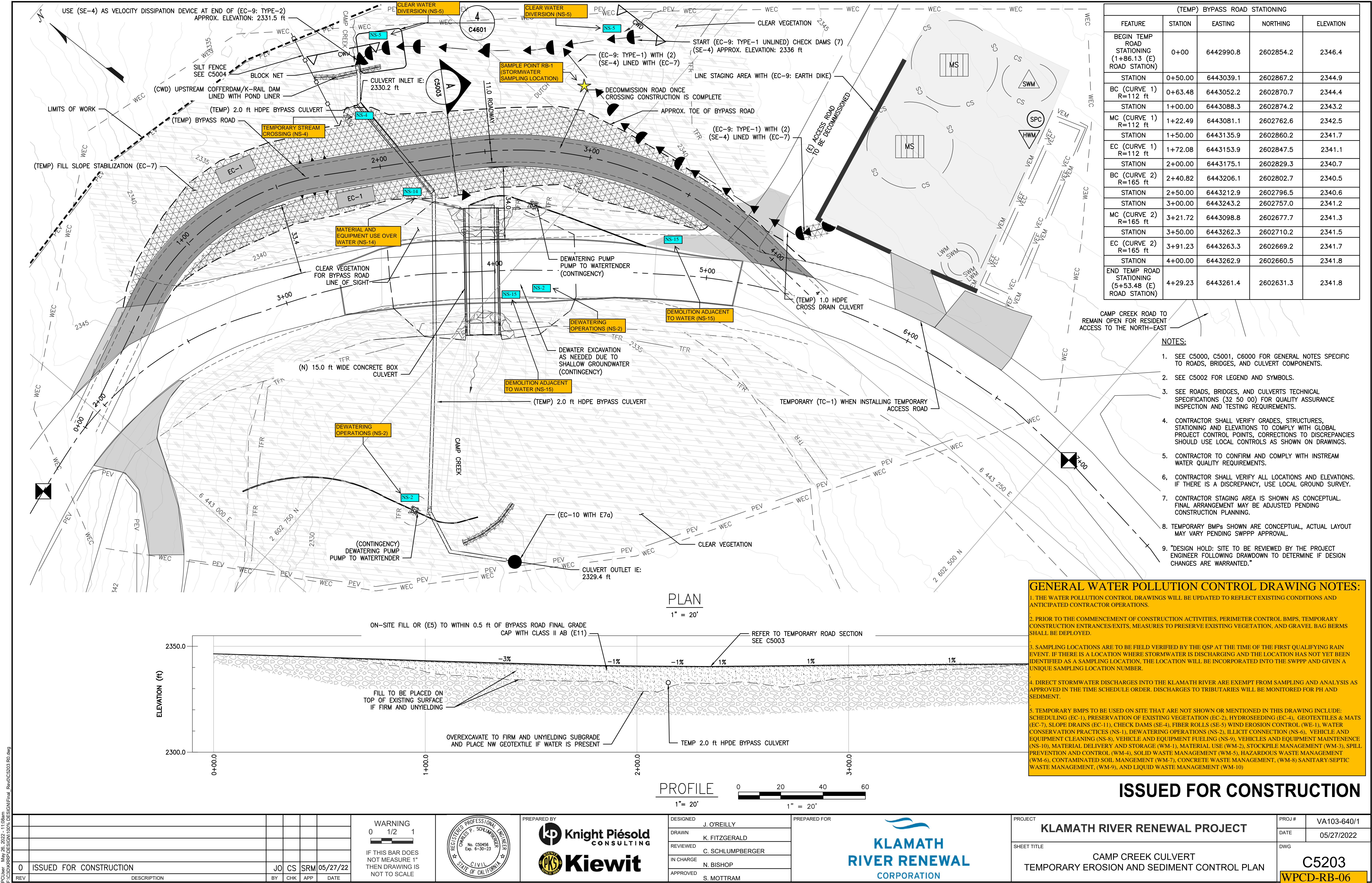
WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

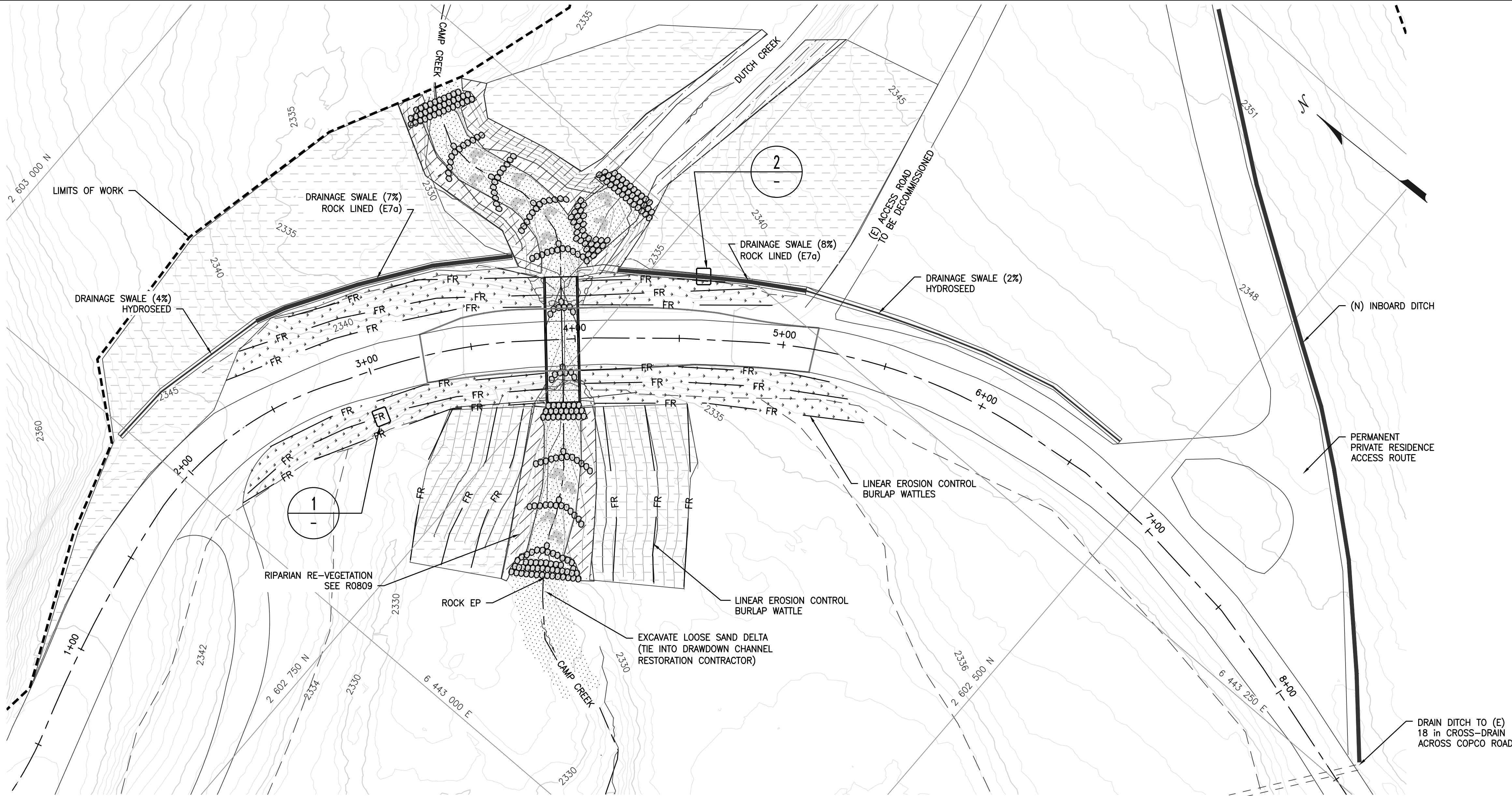


PROJECT	KLAMATH RIVER RENEWAL PROJECT		PROJ #	VA103-640/1
			DATE	05/27/2022
SHEET TITLE	CAMP CREEK CULVERT GENERAL ARRANGEMENT		DWG	C5200
				WPCD-RB-05



NOTES:

1. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERT COMPONENTS.
2. SEE C5002 FOR LEGEND AND SYMBOLS.
3. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (32 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
4. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS, CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
5. "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."

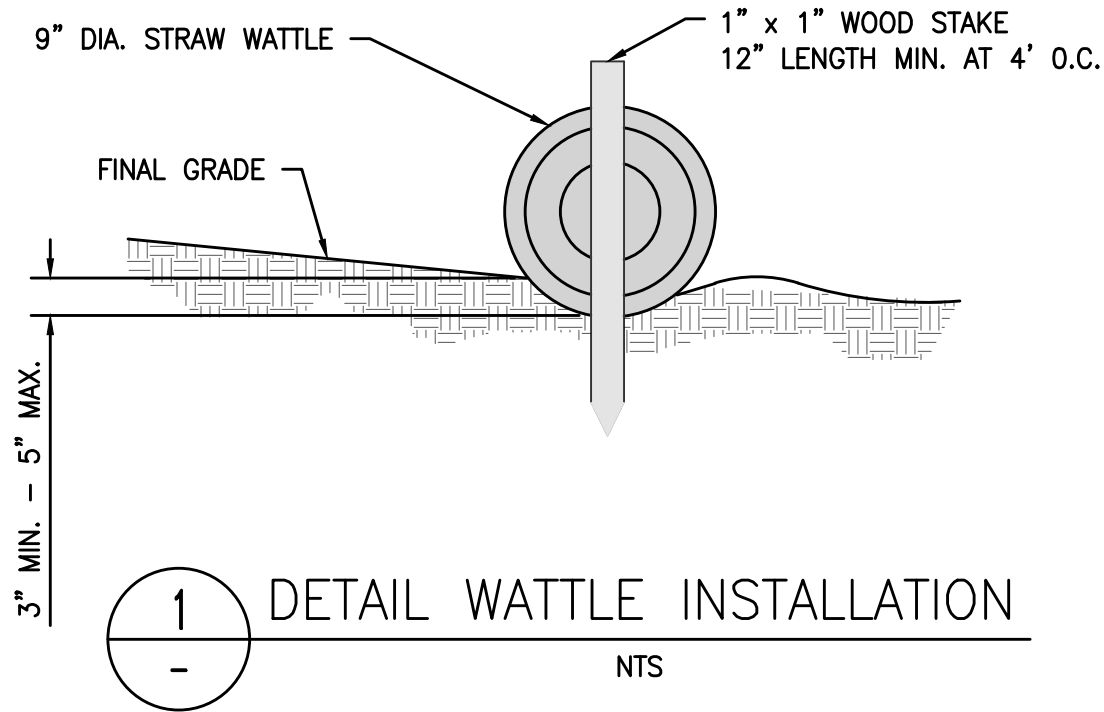


PLAN

1" = 30'



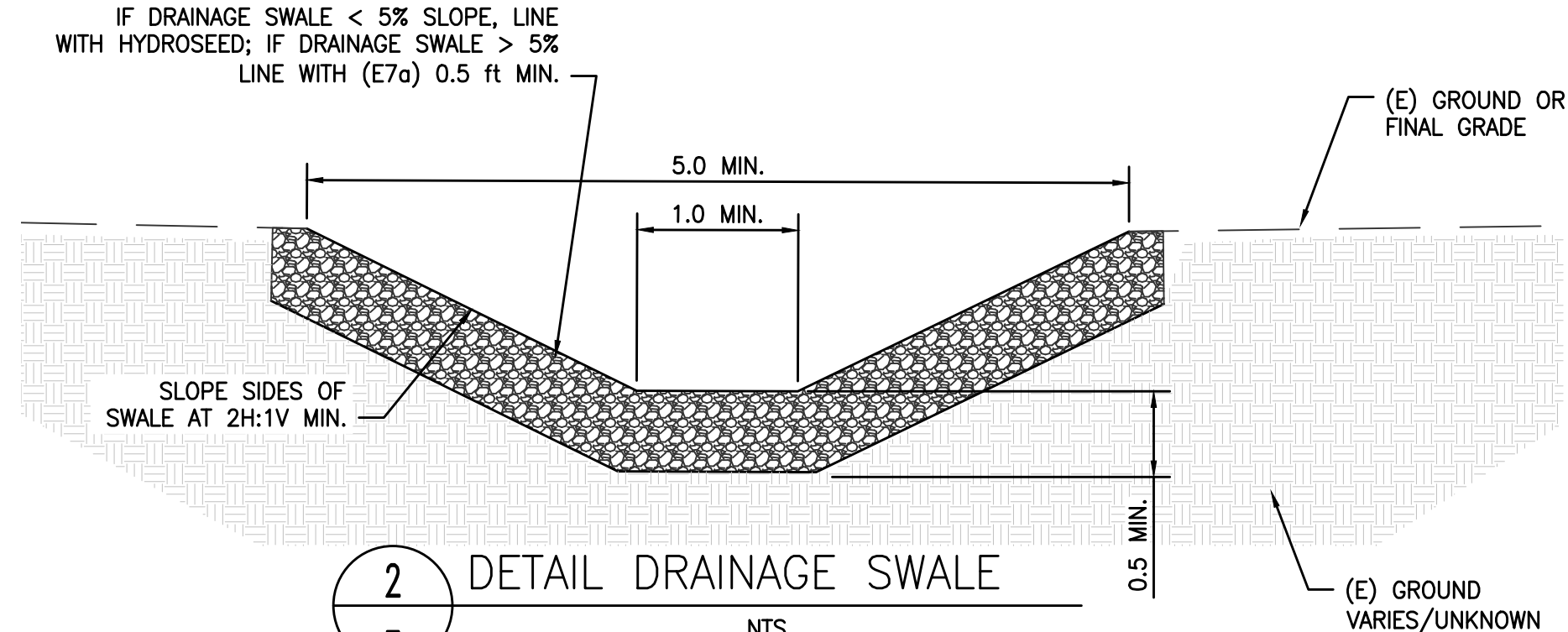
1" = 30'



1

DETAIL WATTLE INSTALLATION

NTS



2

DETAIL DRAINAGE SWALE

NTS

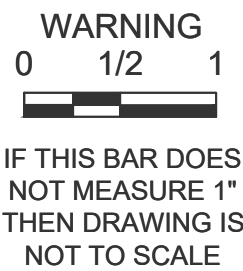
GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPs, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.
5. TEMPORARY BMPs TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)

ISSUED FOR CONSTRUCTION

PC:User: May 24, 2022 - 1:52PM
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REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	JO	CS	SRM	05/27/22



DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

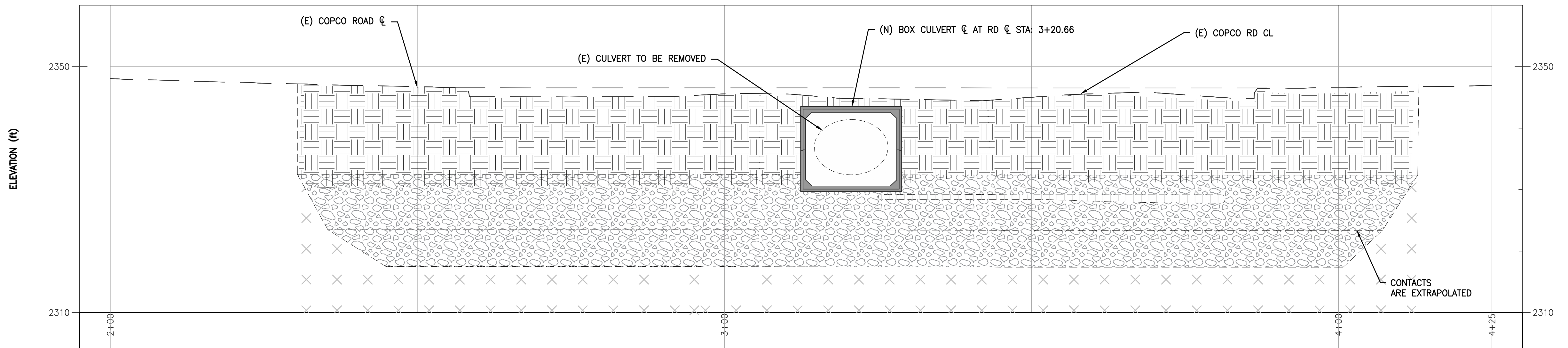
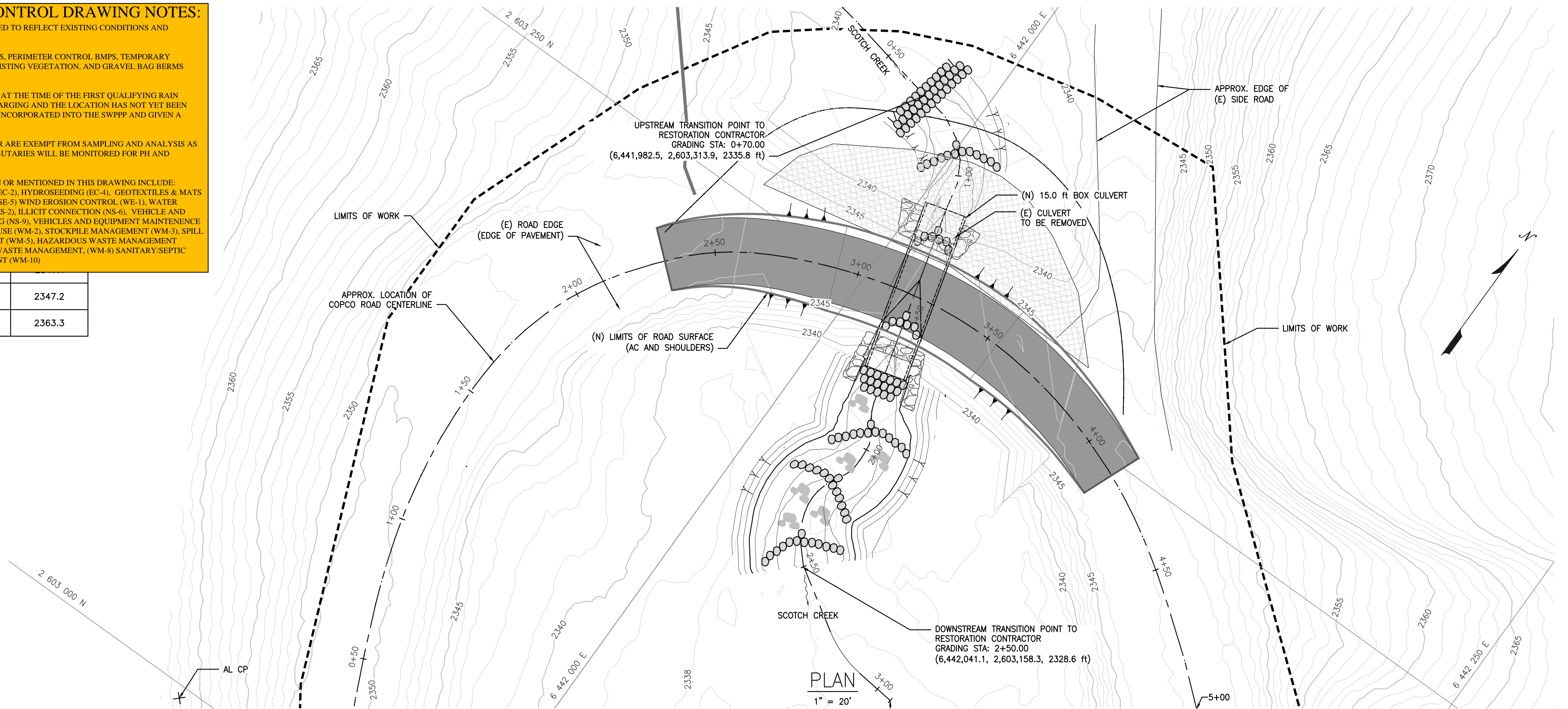


PROJECT	KLAMATH RIVER RENEWAL PROJECT	PROJ #	VA103-640/1
SHEET TITLE	CAMP CREEK CULVERT FINAL EROSION AND SEDIMENT CONTROL PLAN	DATE	05/27/2022
DWG	C5204 WPCD-RB-07		

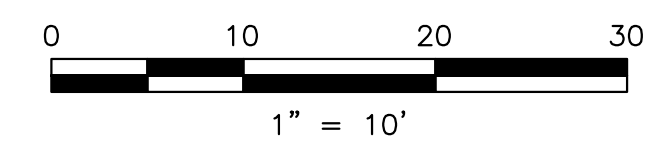
1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERM SHALL BE DEPLOYED.
3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.
5. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE:
SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DETERAVENTING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANAGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)

NOTES:

1. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERTS COMPONENTS.
2. SEE C5002 FOR LEGEND AND SYMBOLS.
3. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (23 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
4. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS. CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
5. LIDAR AND LOCAL SURVEY INFORMATION USED ON THESE PLANS, CONTRACTOR TO COORDINATE ELEVATION DISCREPANCIES WITH ENGINEER.
6. SEE THIS DRAWING FOR SURVEY CONTROL POINT.
7. "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."



PROFILE
1" = 10'; 1H : 1V



ISSUED FOR CONSTRUCTION

								<div>WARNING</div> <div>0 1/2 1</div> <div><div></div></div> <div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</div>		<div><div><div>REGISTERED PROFESSIONAL ENGINEER</div><div>CHARLES P. SCHLUMBERGER</div><div>No. C50456</div><div>Exp. 6-30-23</div><div>CIVIL</div><div>STATE OF CALIFORNIA</div></div></div>		<div>PREPARED BY</div> <div><div><div>KP</div><div>Knight Piésold</div><div>CONSULTING</div></div><div><div><div>PKS</div><div>Kiewit</div></div></div></div>		<div>DESIGNED</div> <div>J. O'REILLY</div> <div><div>DRAWN</div><div>K. FITZGERALD</div></div> <div><div>REVIEWED</div><div>C. SCHLUMBERGER</div></div> <div><div>IN CHARGE</div><div>N. BISHOP</div></div> <div><div>APPROVED</div><div>S. MOTTRAM</div></div>		<div>PREPARED FOR</div> <div><div><div></div><div>KLAMATH RIVER RENEWAL CORPORATION</div></div></div>		<div>PROJECT</div> <div>KLAMATH RIVER RENEWAL PROJECT</div>		<div>PROJ #</div> <div>VA103-640/1</div>	
																		<div>DATE</div> <div>05/27/2022</div>			
																		<div>DWG</div> <div>C5300</div> <div>WPCD-RB-08</div>			
0 ISSUED FOR CONSTRUCTION		JO		CS		SRM		05/27/22													
REV	DESCRIPTION						BY	CHK	APP	DATE											

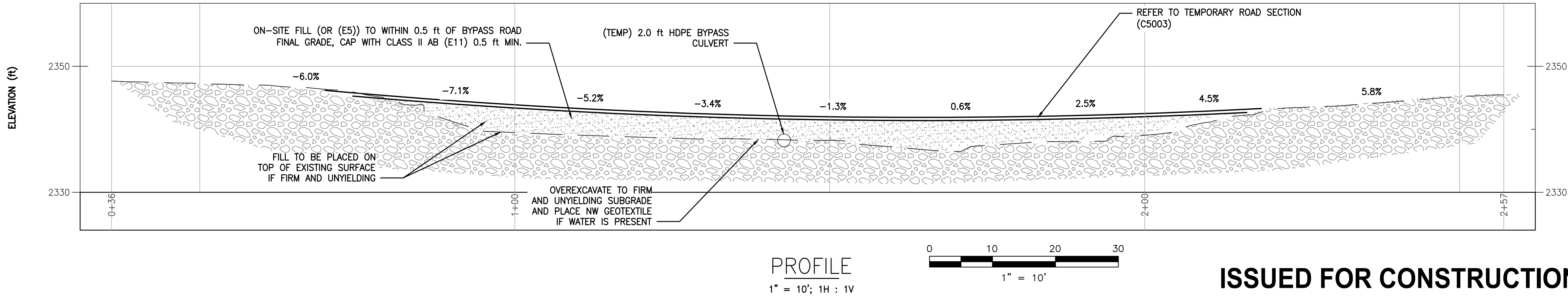
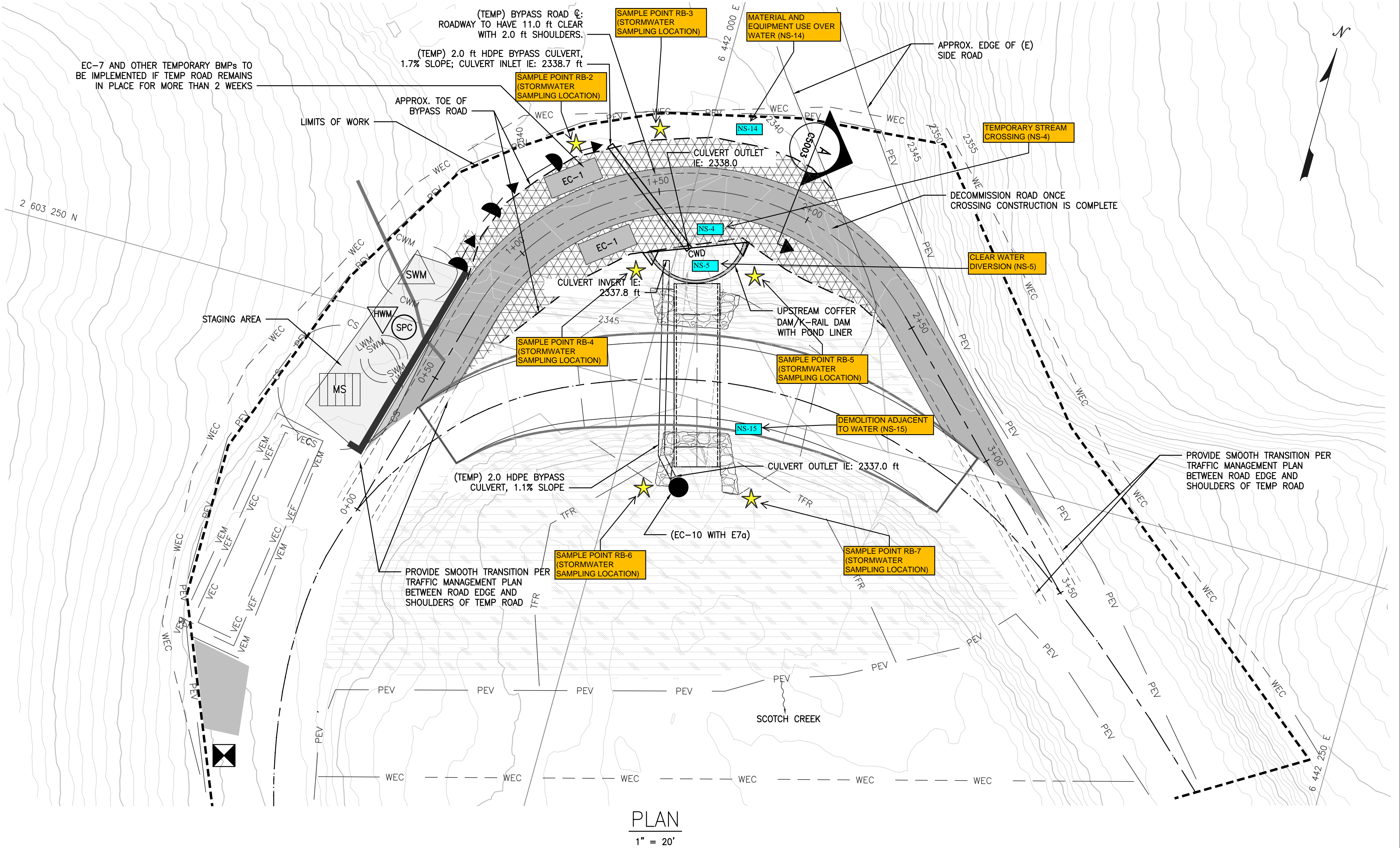
(TEMP) BYPASS ROAD STATIONING				
FEATURE	STATION	EASTING	NORTHING	ELEVATION
BEGIN TEMP ROAD STATIONING	0+00.00 (1+96.7 (E) ROAD STATION)	6,441,921.6	2,603,185.8	2348.1
STATION	0+50.00	6,441,934.7	2,603,234.0	2347.4
BC (CURVE 1) R=82 ft	0+75.00	6,441,941.3	2,603,258.2	2345.8
STATION	1+00.00	6,441,951.5	2,603,281.0	2343.9
STATION	1+50.00	6,441,989.2	2,603,312.3	2342.0
MC (CURVE 1) R=82 FT	1+60.45	6,441,999.2	2,603,315.7	2341.9
STATION	2+00.00	6,442,038.4	2,603,316.2	2342.5
EC (CURVE1) R=82 FT	2+45.89	6,442,077.9	2,603,294.2	2344.9
STATION	2+50.00	6,442,080.9	2,603,291.2	2345.2
STATION	3+00.00	6,442,115.9	2,603,255.7	2347.0
END TEMP ROAD STATIONING	3+50.00 (4+62.90 (E) ROAD STATION)	6,442,150.6	2,603,220.5	2347.1

NOTES:

- SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERTS COMPONENTS.
- SEE C5002 FOR LEGEND AND SYMBOLS.
- SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (23 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
- CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS. CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
- CONTRACTOR STAGING AREA IS SHOWN AS CONCEPTUAL. FINAL ARRANGEMENT MAY BE ADJUSTED PENDING CONSTRUCTION PLANNING.
- TEMPORARY BMPs SHOWN ARE CONCEPTUAL, ACTUAL LAYOUT MAY VARY PENDING SWPPP APPROVAL.
- "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."

GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

- THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPs, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
- SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
- DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.
- TEMPORARY BMPs TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)



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REV	DESCRIPTION	BY	CHK	APP	DATE

WARNING
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



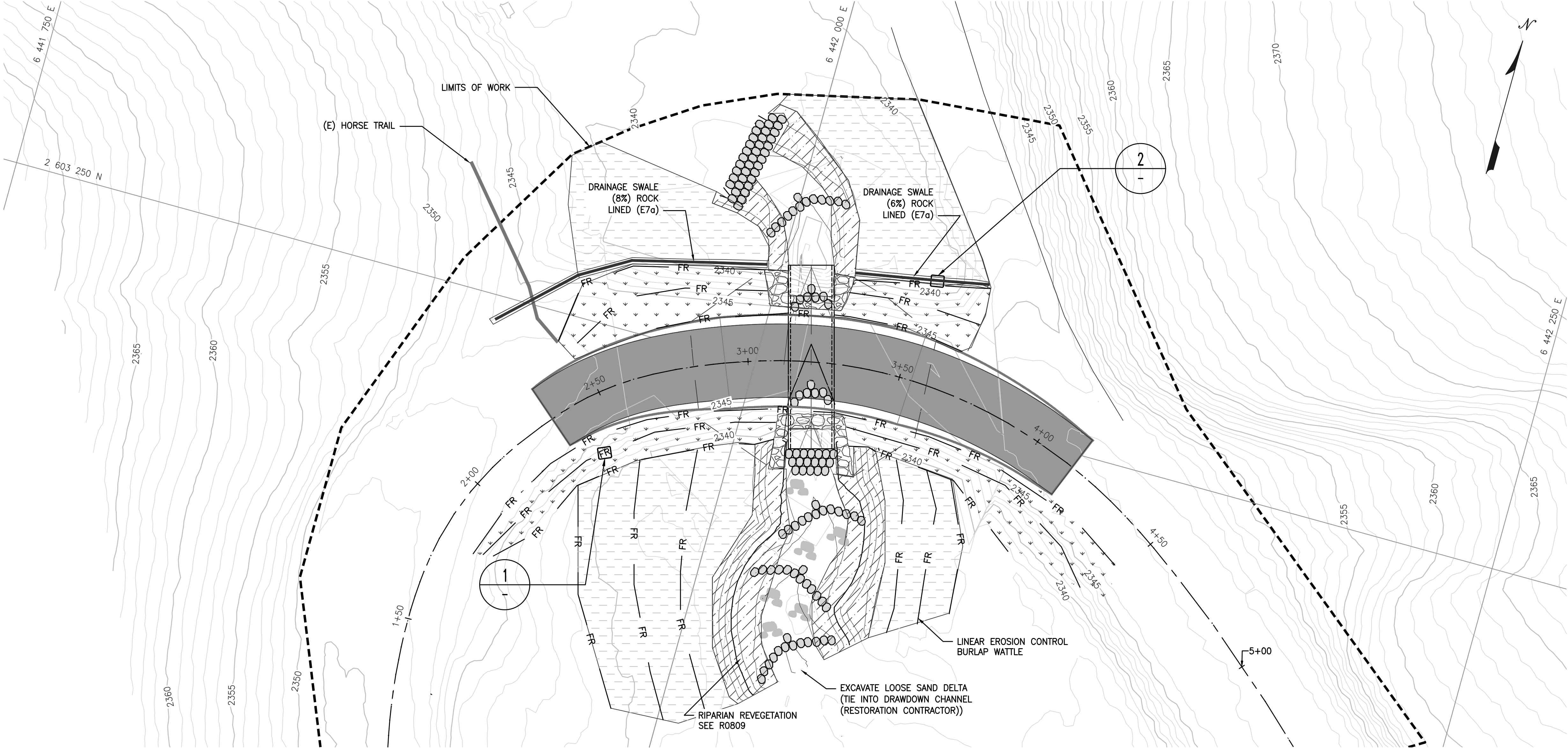
DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



PROJECT	KLAMATH RIVER RENEWAL PROJECT	PROJ #	VA103-640/1
		DATE	05/27/2022
SHEET TITLE	SCOTCH CREEK CULVERT TEMPORARY EROSION AND SEDIMENT CONTROL PLAN	DWG	C5303 WPCD-RB-09

NOTES:

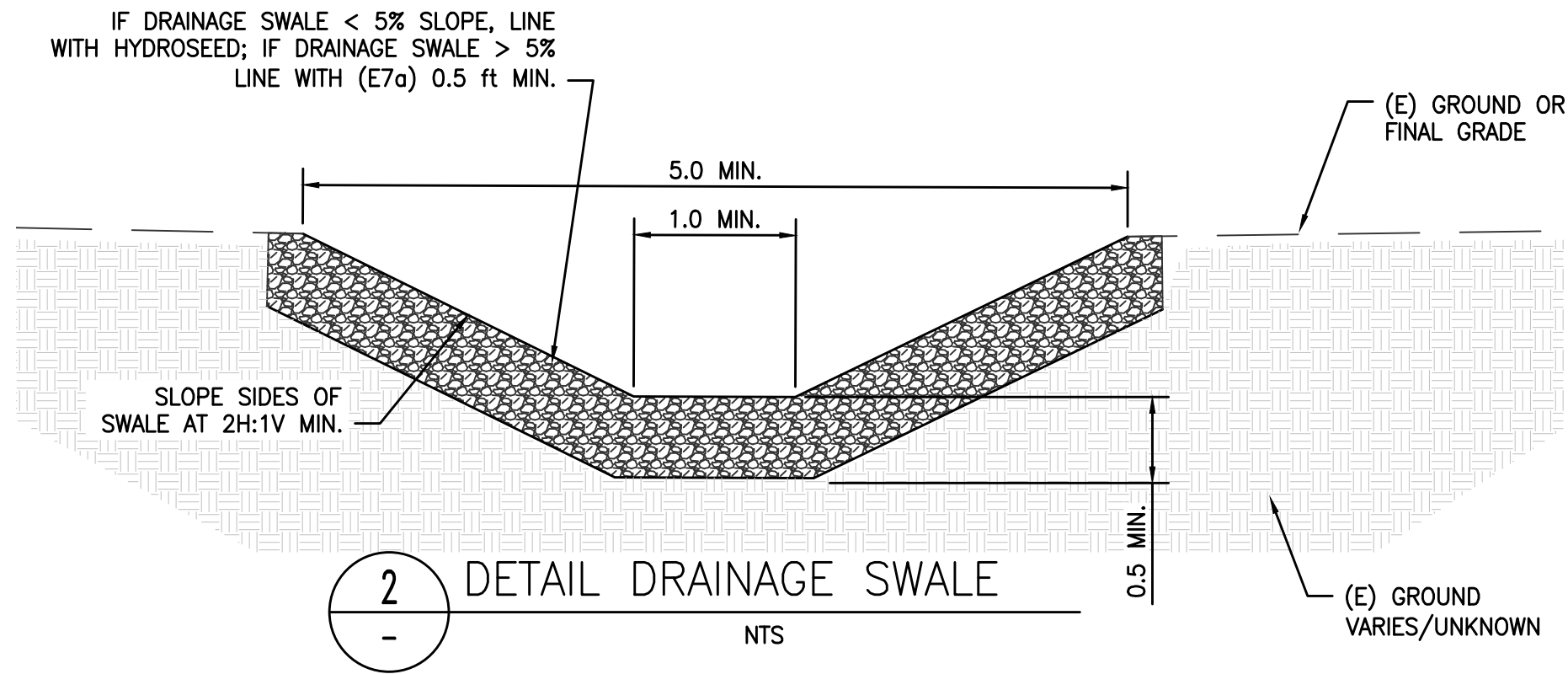
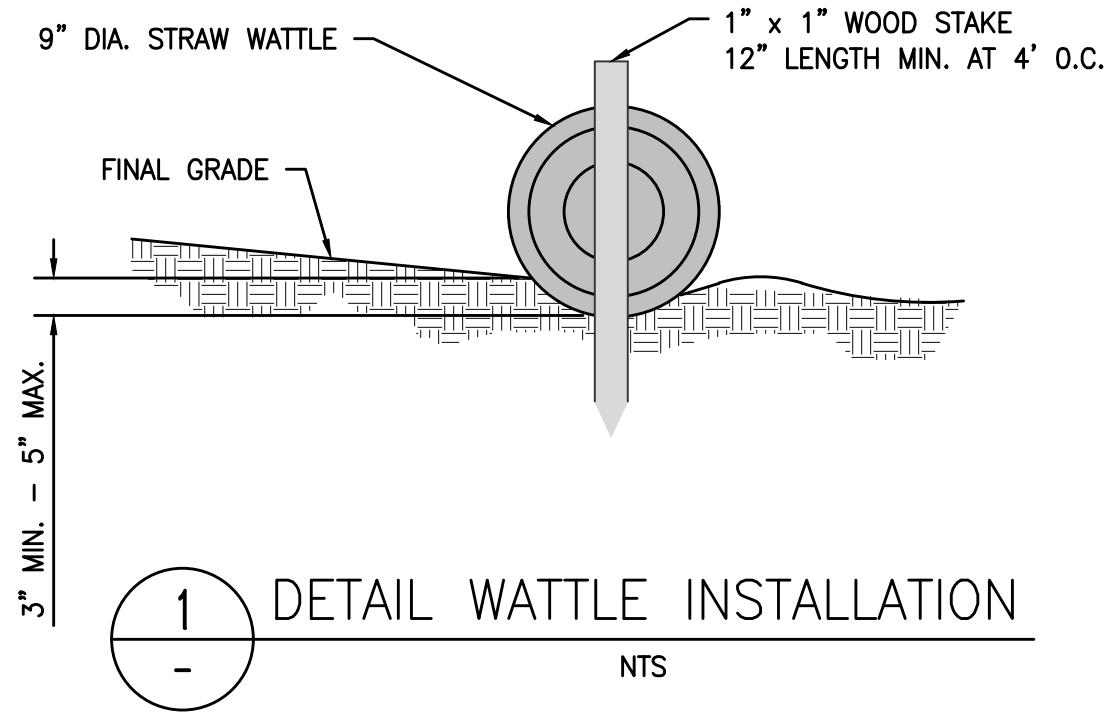
1. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERTS COMPONENTS.
2. SEE C5002 FOR LEGEND AND SYMBOLS.
3. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (23 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
4. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS. CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
5. "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."



GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.
5. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10).

PLAN
1" = 10'



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REV	DESCRIPTION	BY	CHK	APP	DATE

WARNING
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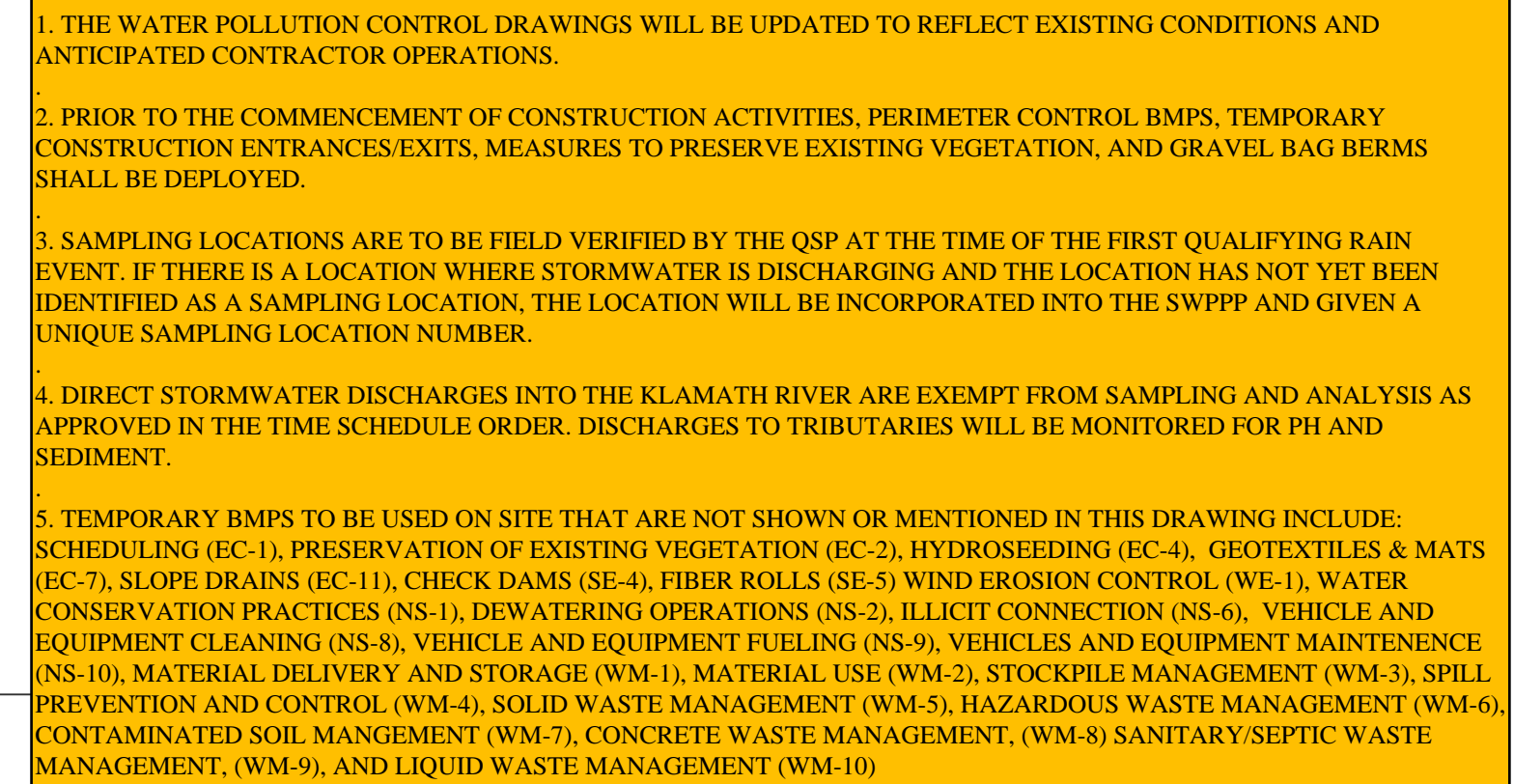
PREPARED BY
Knight Piésold CONSULTING
Kiewit

DESIGNED J. O'REILLY
DRAWN K. FITZGERALD
REVIEWED C. SCHLUMBERGER
IN CHARGE N. BISHOP
APPROVED S. MOTTRAM

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT KLAMATH RIVER RENEWAL PROJECT	PROJ # VA103-640/1
SHEET TITLE SCOTCH CREEK CULVERT FINAL EROSION AND SEDIMENT CONTROL PLAN	DATE 05/27/2022
	DWG C5304 WPCD-RB-10

1. STATIONING OF ROADS PER LOCAL SURVEY AND ALL OTHER AREAS AND CONTOURS MAY BE BY LIDAR SURVEY. AND DISCREPANCIES SHOULD USE LOCAL CONTROLS FOR VERIFICATION.
2. SEE THIS SHEET FOR SITE CONTROL POINTS.
3. NUMBER OF ACTIVE WATER LINES TO BE CONFIRMED. SITE INVESTIGATION CONCLUDED 1 TO 2 WATER LINES MAY BE PRESENT.
4. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERT COMPONENTS.
5. SEE C5002 FOR LEGEND AND SYMBOLS.
6. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (32 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
7. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS, CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.



PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANAGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)

PROFILE

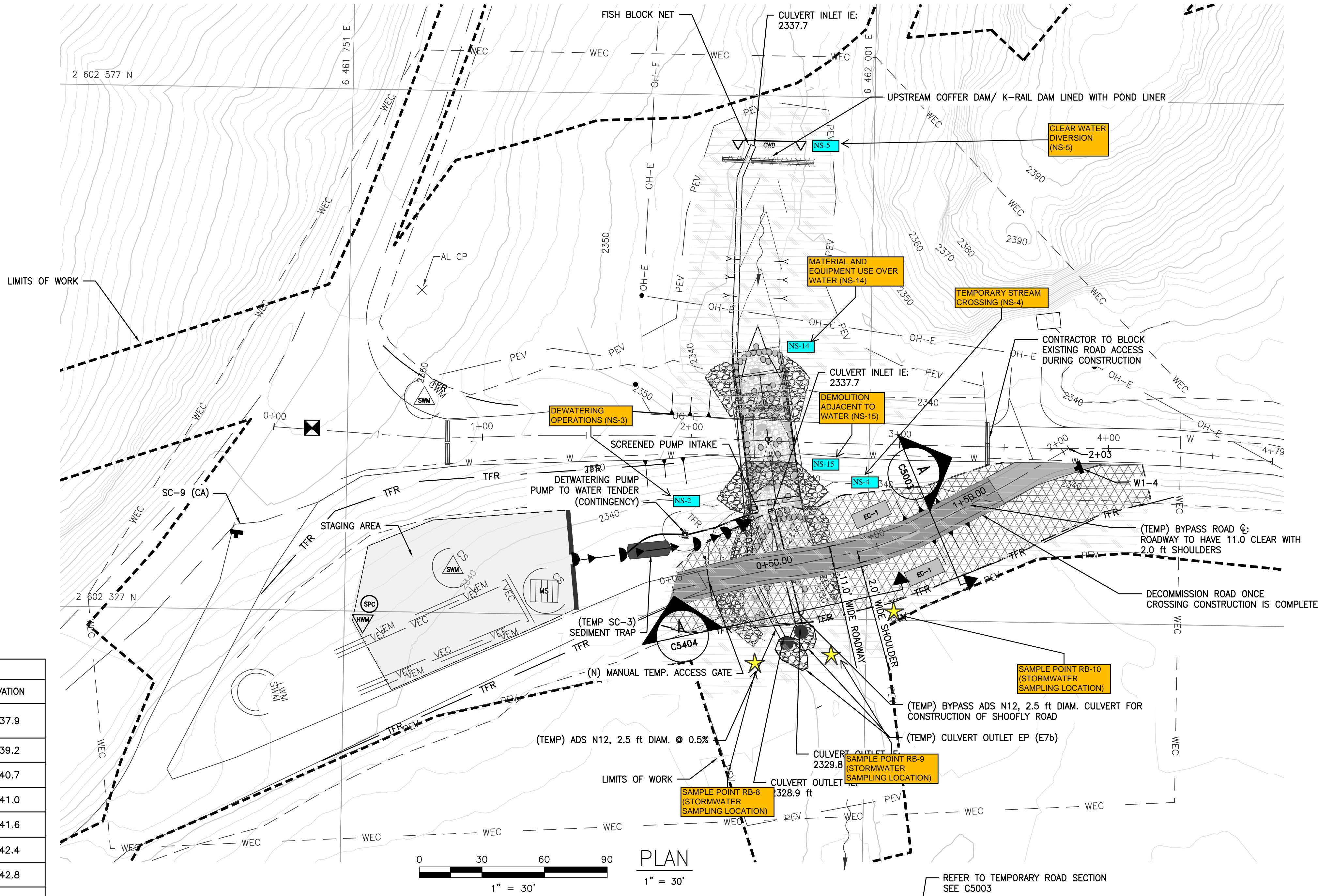
1" = 20'

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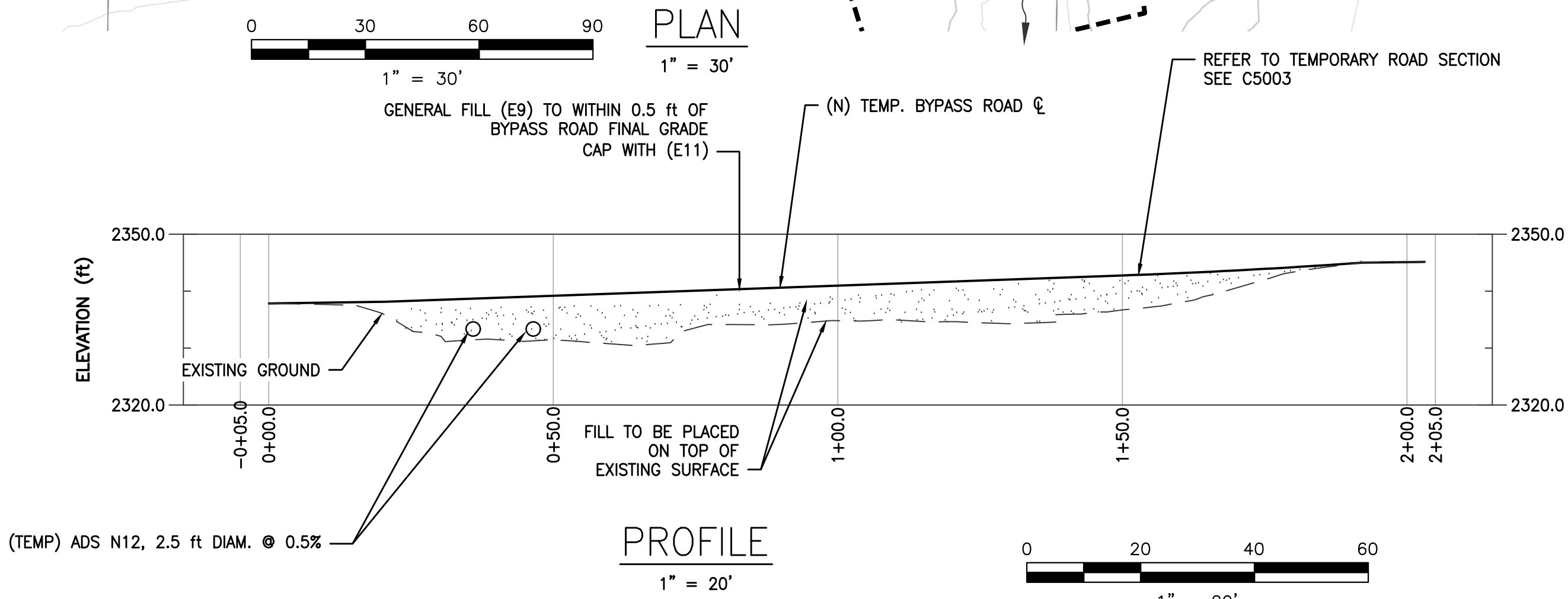
ISSUED FOR CONSTRUCTION

					<div>WARNING</div> <div>0 1/2 1</div> <div></div> <div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</div>					<div><p>REGISTERED PROFESSIONAL ENGINEER CHARLES P. SCHLUMBERGER No. C50456 Exp. 6-30-23 CIVIL STATE OF CALIFORNIA</p></div>					<div>PREPARED BY</div> <div><p>Knight Piésold CONSULTING</p></div> <div><p>Kiewit</p></div>					<div>DESIGNED</div> <div>J. O'REILLY</div> <div>DRAWN</div> <div>K. FITZGERALD</div> <div>REVIEWED</div> <div>C. SCHLUMBERGER</div> <div>IN CHARGE</div> <div>N. BISHOP</div> <div>APPROVED</div> <div>S. MOTTTRAM</div>					<div>PREPARED FOR</div> <div><p>KLAMATH RIVER RENEWAL CORPORATION</p></div>					<div>PROJECT</div> <div>KLAMATH RIVER RENEWAL PROJECT</div> <div>SHEET TITLE</div> <div>FALL CREEK CULVERT (DAGGETT ROAD) GENERAL ARRANGEMENT</div>					<div>PROJ #</div> <div>VA103-640/1</div> <div>DATE</div> <div>05/27/2022</div> <div>DWG</div> <div>C5400</div> <div>WPCD-RB-11</div>	
0 ISSUED FOR CONSTRUCTION					JO CS SRM 05/27/22																															
REV	DESCRIPTION					BY	CHK	APP	DATE																											

1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
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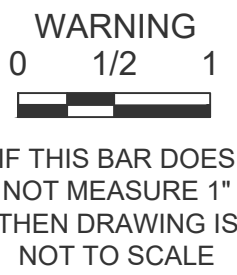
BYPASS ROAD STATIONING				
FEATURE	STATION	EASTING	NORTHING	ELEVATION
BEGIN TEMP ROAD STATIONING	0+00	6461865.6	2602321.8	2337.9
STATION	0+50.00	6461957.5	2602350.4	2339.2
BC (CURVE 1) R=252 ft	0+92.60	6461999.1	2602359.7	2340.7
STATION	1+00.00	6462006.1	2602361.9	2341.0
MC (CURVE 1) R=252 ft	1+16.48	6462021.9	2602367.1	2341.6
EC (CURVE 1) R=252 ft	1+40.36	6462042.8	2602378.6	2342.4
BYPASS RD C	1+50.00	6462051.3	2602383.3	2342.8
BC (CURVE 2) R=200 ft	1+63.11	6462070.4	2602394.0	2343.3
MC (CURVE 2) R=200 ft	1+67.54	6462066.6	2602391.7	2343.5
EC (CURVE 2) R=200 ft	1+71.96	6462062.8	2602359.6	2343.7
STATION	2+00.00	6462094.4	2602408.7	2345.1
END TEMP ROAD STATIONING	2+03.13 (3+81.00 (E) ROAD STATION)	6462115.3	2602409.7	2345.1
CONTROL POINT	AL CP	6461786.1	2602481.0	2362.7



- NOTES:**
1. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERT COMPONENTS.
 2. SEE C5002 FOR LEGEND AND SYMBOLS.
 3. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (32 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
 4. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS, CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
 5. PACIFICORP TRAFFIC SHALL BE TEMPORARILY REROUTED ALONG THE TEMP BYPASS DURING CONSTRUCTION.
 6. TEMPORARY ROAD SIGNAGE SHALL NOTE DETOUR AND ANY NECESSARY SAFETY PRECAUTIONS.
 7. CONTRACTOR STAGING AREA IS SHOWN AS CONCEPTUAL. FINAL ARRANGEMENT MAY BE ADJUSTED PENDING CONSTRUCTION PLANNING.
 8. TEMPORARY BMPs SHOWN ARE CONCEPTUAL, ACTUAL LAYOUT MAY VARY PENDING SWPPP APPROVAL.

ISSUED FOR CONSTRUCTION

0	ISSUED FOR CONSTRUCTION	JO	CS	SRM 05/27/22
REV	DESCRIPTION	BY	CHK	APP DATE



PREPARED BY

 **Knight Piésold**
CONSULTING

 **Kiewit**

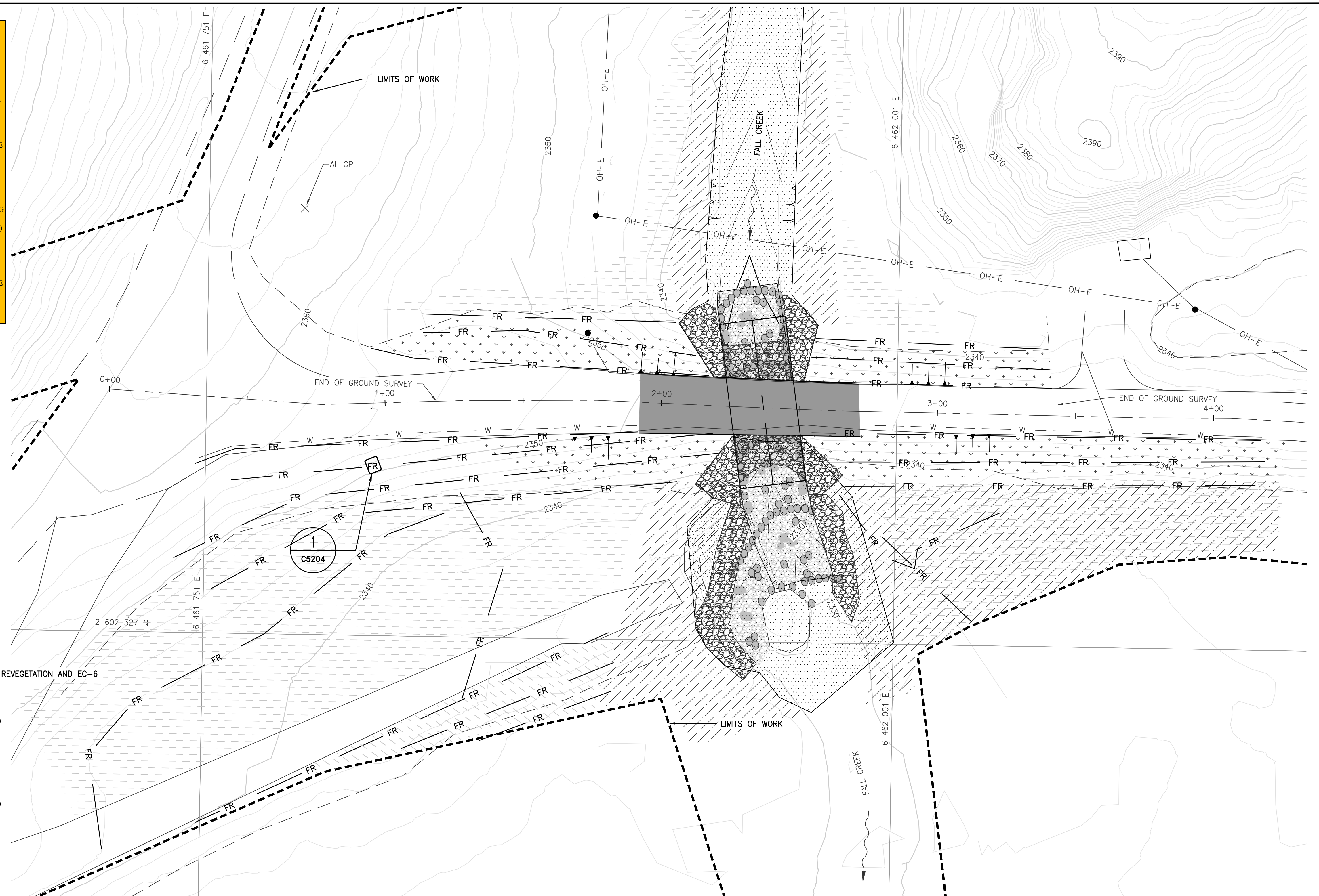
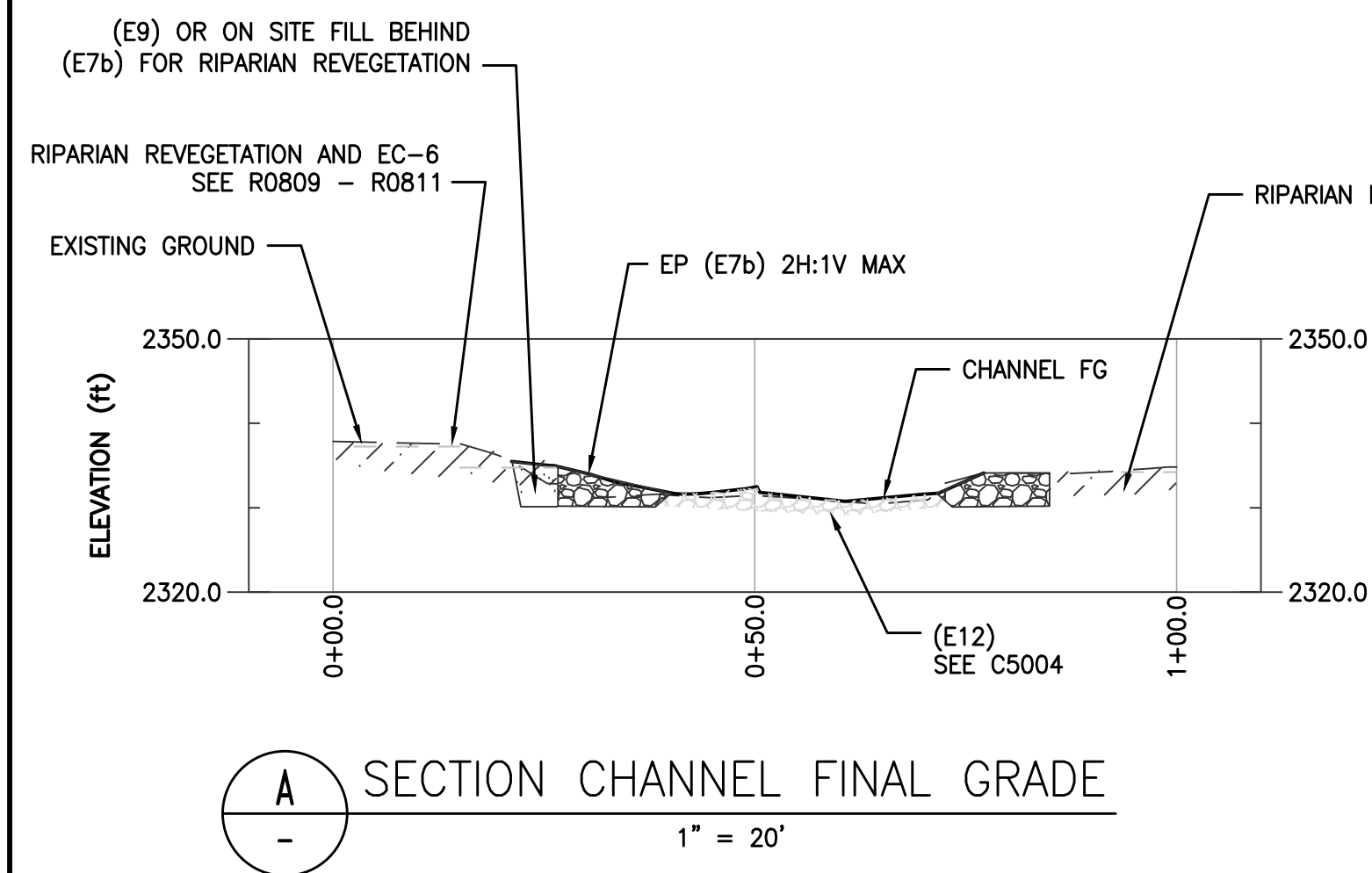
DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



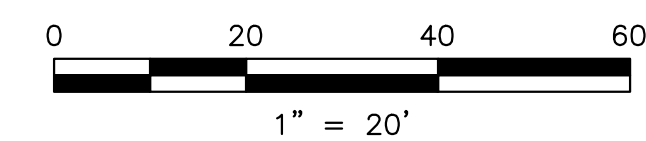
PROJECT	KLAMATH RIVER RENEWAL PROJECT	PROJ #	VA103-640/1
		DATE	05/27/2022
SHEET TITLE	FALL CREEK CULVERT (DAGGETT ROAD) TEMPORARY TRAFFIC, EROSION AND SEDIMENT CONTROL PLAN	DWG	C5403 WPCD-RB-12

5. TEMPORARY BMPs TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (N-1), DETERAVENTING MATERIALS (NS-2), ILLUMINATION CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), WASHING & EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), OPERATIONS DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANAGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)

1. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERT COMPONENTS.
2. SEE C5002 FOR LEGEND AND SYMBOLS.
3. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (32 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
4. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS, CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.



PLAN

$$1'' = 20'$$


ISSUED FOR CONSTRUCTION

<div>0 ISSUED FOR CONSTRUCTION</div>					<div>JOCS SRM05/27/22</div>					<div>WARNING 0 1/2 1 <div></div> IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</div>					<div><div><div>REGISTERED PROFESSIONAL ENGINEER CHARLES P. SCHUMACHER No. C50458 Exp. 6-30-23 CIVIL STATE OF CALIFORNIA</div></div><div>PREPARED BY <div><div><div>KP</div><div>Knight Piesold CONSULTING</div></div><div><div><div>PKS</div><div>Kiewit</div></div></div></div></div></div>					<div>DESIGNED J. O'REILLY DRAWN K. FITZGERALD REVIEWED C. SCHLUMBERGER IN CHARGE N. BISHOP APPROVED S. MOTTRAM</div>					<div>PREPARED FOR <div><div><div></div><div>KLAMATH RIVER RENEWAL CORPORATION</div></div></div></div>					<div>PROJECT KLAMATH RIVER RENEWAL PROJECT</div> <div>SHEET TITLE FALL CREEK CULVERT (DAGGETT ROAD) FINAL EROSION AND SEDIMENT CONTROL PLAN</div>					<div>PROJ # VA103-640/1</div> <div>DATE 05/27/2022</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

GENERAL NOTES: TEMPORARY BRIDGES (DRY & FALL CREEK TEMPORARY SUPPORT STRUCTURES)

WATER POLLUTION CONTROL DRAWINGS FOR "TEMPORARY ACCESS ROAD AND BRIDGES" - FALL CREEK (COPCO ROAD) AND DRY CREEK

GENERAL NOTES

- 1. THIS DRAWING PACKAGE (6000 SERIES DRAWINGS) SHOW THE WORK RELATED TO THE CONSTRUCTION ACCESS IMPORVEMENTS OF THE ROADS, BRIDGES AND CULVERT COMPONENTS OF THE KRRP. DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE KRRP TECHNICAL SPECIFICATIONS.
- 2. STANDARD GENERAL NOTES AND SYMBOL LEGENDS FOR ALL SITES IN THE ROAD, BRIDGE, AND CULVERT DRAWINGS LISTED ON C5000, C5001, G0005, AND C5002.

SEISMIC DESIGN PARAMETERS:

SITE	PGA	RETURN PERIOD (yr)
DAGGETT ROAD BRIDGE TEMPORARY CONSTRUCTION ACCESS BRIDGE	0.036	100
COPCO ROAD AT DRY CREEK BRIDGE	0.036	100
COPCO ROAD AT FALL CREEK BRIDGE	0.036	100

- TABLE NOTES:
- 1. PGA BASED ON THE KRRP 100% DESIGN REPORT, APPENDIX F4 – GEOTECHNICAL DESIGN REPORT FOR ROADS, BRIDGES, AND CULVERTS.

HYDRAULIC DESIGN PARAMETERS:

SITE	FLOOD RETURN PERIOD	WATER SURFACE ELEVATION (ft)
DAGGETT ROAD BRIDGE TEMPORARY CONSTRUCTION ACCESS BRIDGE	ANNUAL 5% PROBABLE FLOOD WSL	2337.5
COPCO ROAD AT DRY CREEK BRIDGE	ANNUAL 5% PROBABLE FLOOD WSL	2489.5
COPCO ROAD AT FALL CREEK BRIDGE	ANNUAL 5% PROBABLE FLOOD WSL	2159.3

- TABLE NOTES:
- 1. WSL ARE BASED ON THE KRRP 100% DESIGN REPORT, APPENDIX F3 – HYDRAULIC DESIGN REPORT FOR ROADS, BRIDGE AND CULVERTS.
 - 2. WSL ARE TAKEN AT THE UPSTREAM FACE OF THE STRUCTURE.
 - 3. FOR DRY CREEK AND FALL CREEK: ANNUAL 5% PROBABLE FLOOD WSL REPRESENTS THE LIKELY FLOOD EVENT TO EFFECT TEMPORARY BRIDGES SUPPORT STRUCTURES.

PRIVILEGED AND CONFIDENTIAL
DOCUMENT CONTAINS CEII INFORMATION - DO NOT RELEASE

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REV	DESCRIPTION	BY	CHK	APP	DATE

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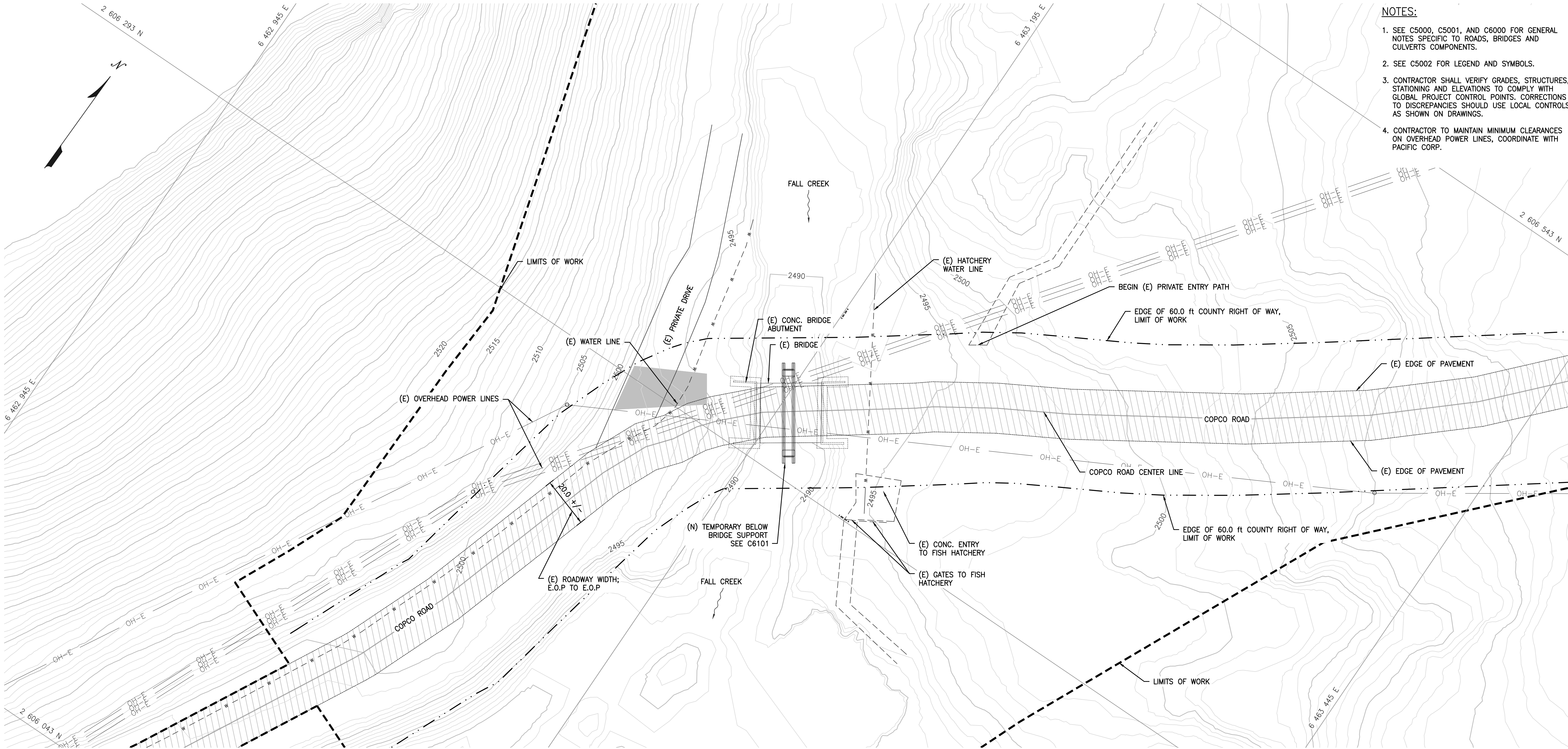


DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMPBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



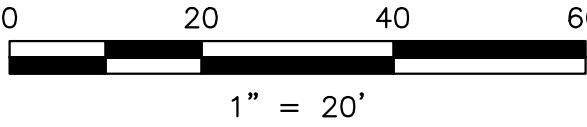
PROJECT	KLAMATH RIVER RENEWAL PROJECT	PROJ #	VA103-640/1
		DATE	05/27/2022
SHEET TITLE	CIVIL - ROADS & BRIDGES - GENERAL NOTES	DWG	C6000
			WPCD-TARB-01A

WATER POLLUTION CONTROL DRAWINGS FOR "TEMPORARY ACCESS ROAD AND BRIDGES" - FALL CREEK (COPCO ROAD) AND DRY CREEK



- NOTES:
1. SEE C5000, C5001, AND C6000 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES AND CULVERTS COMPONENTS.
 2. SEE C5002 FOR LEGEND AND SYMBOLS.
 3. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS. CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
 4. CONTRACTOR TO MAINTAIN MINIMUM CLEARANCES ON OVERHEAD POWER LINES, COORDINATE WITH PACIFIC CORP.

PLAN
1" = 20'



ISSUED FOR CONSTRUCTION

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DESIGN\Final_Ren021100 R021100 R02.dwg

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REV	DESCRIPTION	BY	CHK	APP	DATE

WARNING
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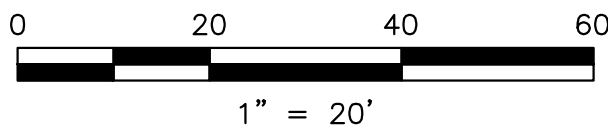
DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



PROJECT	KLAMATH RIVER RENEWAL PROJECT	PROJ #	VA103-640/1
DATE	05/27/2022	DWG	C6100
SHEET TITLE	FALL CREEK BRIDGE (COPCO ROAD) GENERAL ARRANGEMENT		WPCD-TARB-02

1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPs, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.
5. TEMPORARY BMPs TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DETTERING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANAGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)

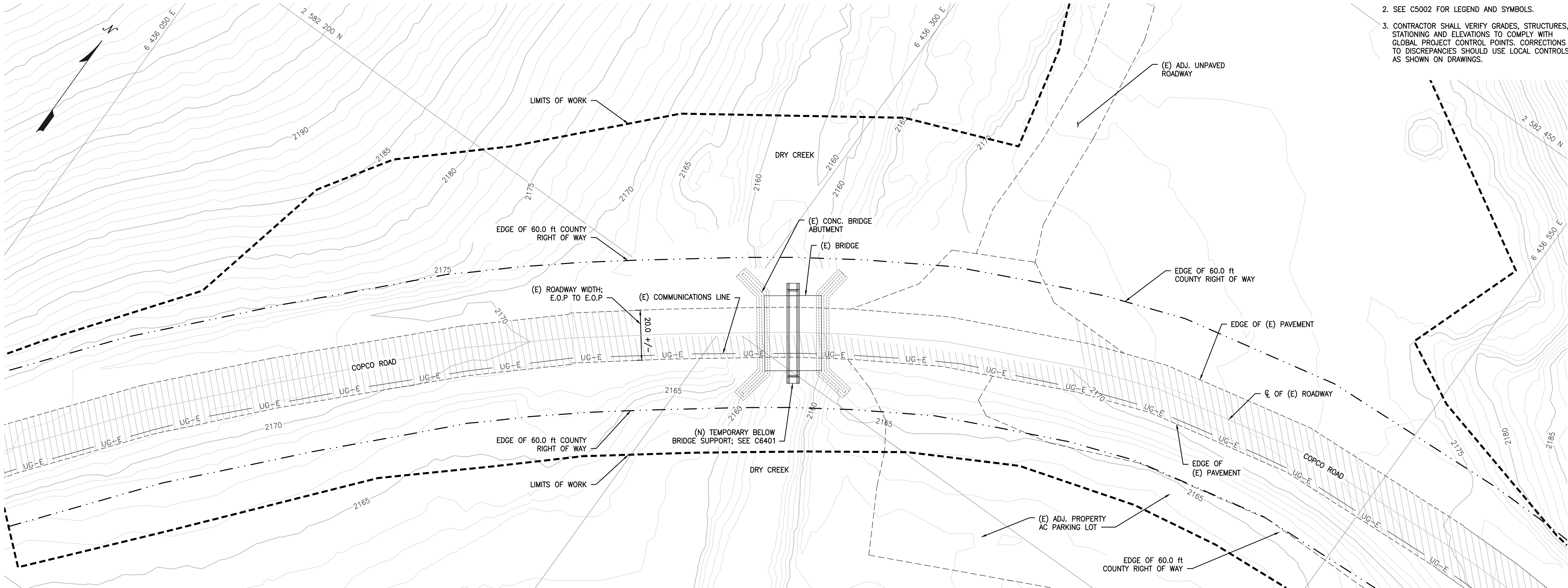
1. SEE C5000, C5001, AND C6000 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES AND CULVERTS COMPONENTS.
2. SEE C5002 FOR LEGEND AND SYMBOLS.
3. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS. CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
4. CONTRACTOR STAGING AREA IS SHOWN AS CONCEPTUAL. FINAL ARRANGEMENT MAY BE ADJUSTED PENDING CONSTRUCTION PLANNING.
5. TEMPORARY BMPs SHOWN ARE CONCEPTUAL. ACTUAL LAYOUT MAY VARY PENDING SWPPP APPROVAL.



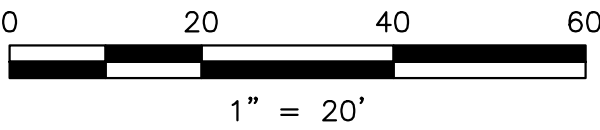
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- NOTES:
1. SEE C5000, C5001, AND C6000 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES AND CULVERTS COMPONENTS.
 2. SEE C5002 FOR LEGEND AND SYMBOLS.
 3. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS. CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.



PLAN
1" = 20'



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Issue: May 25, 2022 - 11:10am
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REV	DESCRIPTION	BY	CHK	APP	DATE

WARNING
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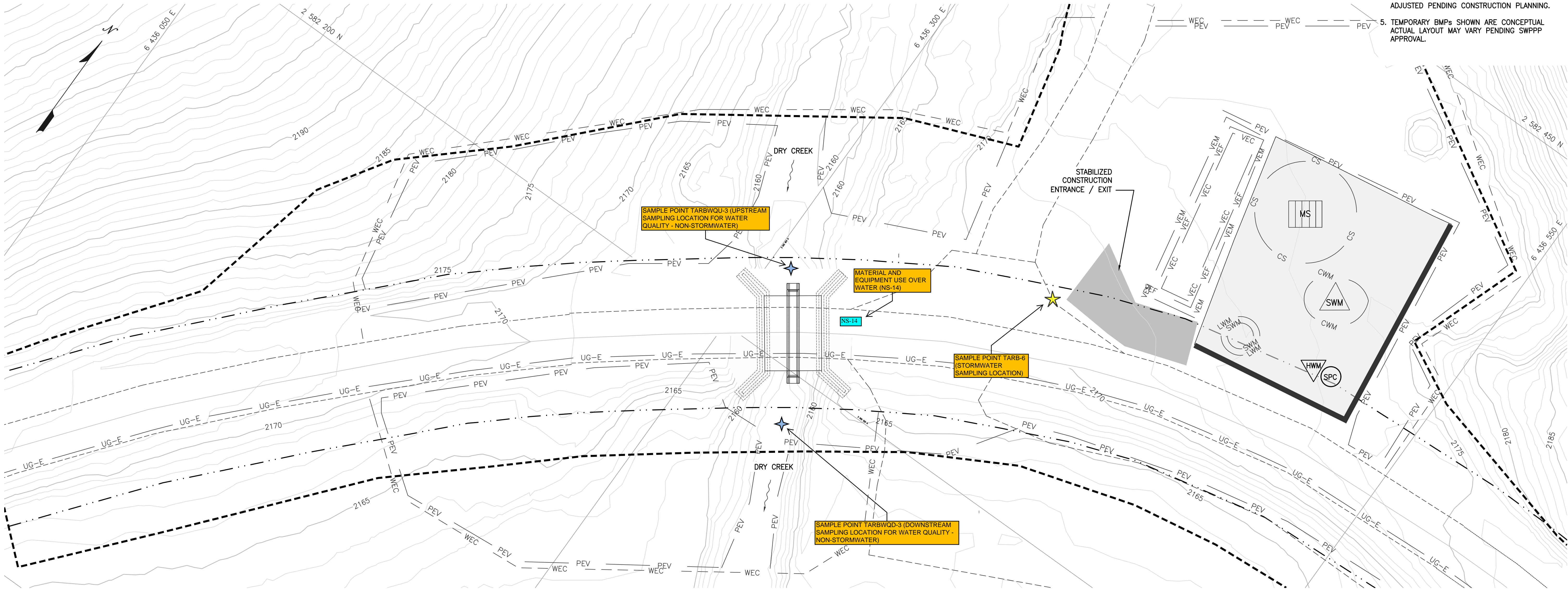


DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



PROJECT	KLAMATH RIVER RENEWAL PROJECT	PROJ #	VA103-640/1
DATE	05/27/2022		
SHEET TITLE	DRY CREEK BRIDGE GENERAL ARRANGEMENT	DWG	C6400
			WPCD-TARB-04

- NOTES:
1. SEE C5000, C5001, AND C6000 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES AND CULVERTS COMPONENTS.
 2. SEE C5002 FOR LEGEND AND SYMBOLS.
 3. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS. CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
 4. CONTRACTOR STAGING AREA IS SHOWN AS CONCEPTUAL. FINAL ARRANGEMENT MAY BE ADJUSTED PENDING CONSTRUCTION PLANNING.
 5. TEMPORARY BMPs SHOWN ARE CONCEPTUAL. ACTUAL LAYOUT MAY VARY PENDING SWPPP APPROVAL.



PLAN
1" = 20'

- GENERAL WATER POLLUTION CONTROL DRAWING NOTES:**
1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
 2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPs, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
 3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
 4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.
 5. TEMPORARY BMPs TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)

ISSUED FOR CONSTRUCTION

Issue: May 25, 2022, 8:08am
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REV	DESCRIPTION	BY	CHK	APP	DATE

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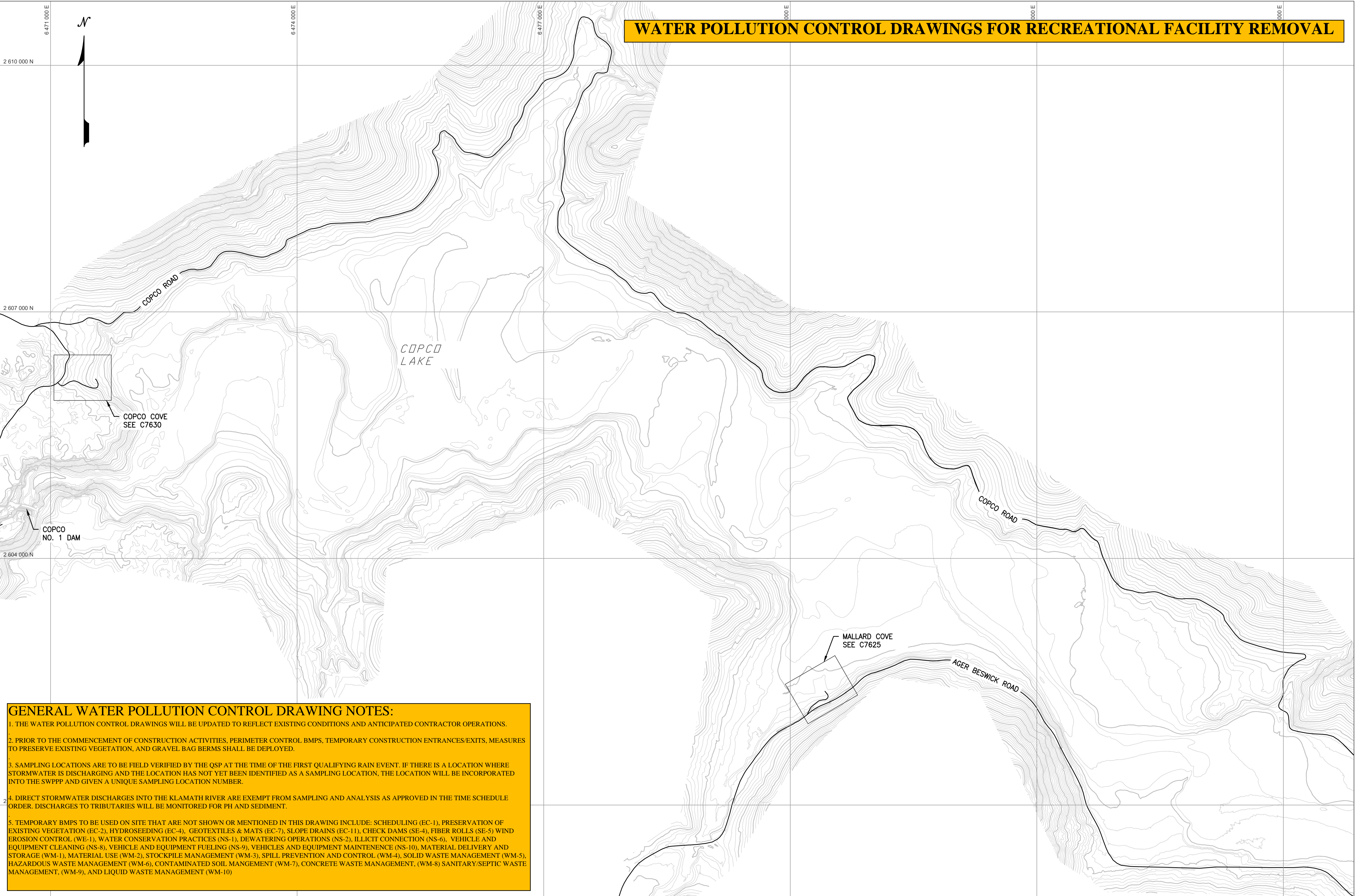
DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



PROJECT	KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE	DRY CREEK BRIDGE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C6403
	WPCD-TARB-05

WATER POLLUTION CONTROL DRAWINGS FOR RECREATIONAL FACILITY REMOVAL

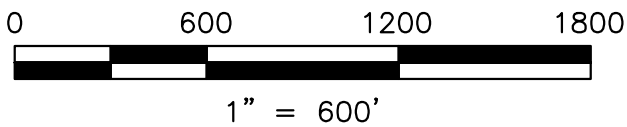


NOTES:

1. THE RECREATION SITE TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PLAN DRAWINGS ARE PROVIDED AS A REFERENCE FOR TEMPORARY AND PERMANENT BMP INSTALLATION.
2. DEMOLITION AND REMOVAL SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS (SECTION 02 41 00 – (DEMOLITION AND FACILITY REMOVAL).
3. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES AND CULVERT COMPONENTS.
4. SEE C5002 AND G0005 FOR LEGEND AND SYMBOLS.
5. SEE C7000 SERIES FOR DEMOLITION PLANS.
6. DISTURBED AREA EXPOSED BY FEATURE REMOVAL WILL BE BACKFILLED AND COVERED WITH GRAVEL OR ON-SITE FILL MATERIAL TO MATCH EXISTING GRADES.
7. IN AREAS OF REMOVED GRAVEL, FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
8. TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES TO BE REMOVED ONCE DECONSTRUCTION WORK IS COMPLETED.

GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.
4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.
5. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENANCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10)



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1"= 600'

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REV	DESCRIPTION	BY	CHK	APP	DATE

WARNING

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



PREPARED BY

Knight Piésold CONSULTING

Kiewit

DESIGNED	K. FITZGERALD
DRAWN	K. FITZGERALD
REVIEWED	C. SCHUMBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR

KLAMATH RIVER RENEWAL CORPORATION

PROJECT	KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE	COPCO LAKE RECREATION FACILITY TEMPORARY & PERMANENT EROSION & SEDIMENT CONTROL PLAN KEY MAP

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C7620
	WPCD-RFR-01

1. THE RECREATION SITE TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PLAN DRAWINGS ARE PROVIDED AS A REFERENCE FOR TEMPORARY AND PERMANENT BMP INSTALLATION.
2. DEMOLITION AND REMOVAL SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS (SECTION 02 41 00 - (DEMOLITION AND FACILITY REMOVAL).
3. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES AND CULVERT COMPONENTS.
4. SEE C5002 AND G0005 FOR LEGEND AND SYMBOLS.
5. SEE C7025 FOR DEMOLITION PLAN.
6. DISTURBED AREA EXPOSED BY FEATURE REMOVAL WILL BE BACKFILLED AND COVERED WITH GRAVEL OR ON-SITE FILL MATERIAL TO MATCH EXISTING GRADES.
7. REMOVE ALL ABOVE-GROUND RELATED INFRASTRUCTURE, ASPHALT, AND CONCRETE INCLUDING DECOMMISSIONING OF ACCESS ROADS AND PARKING AREAS. BLOCK OFF EXISTING ENTRY WAYS WITH BOULDERS OR OTHER NATIVE MATERIALS. DISK/RIP AND REGRADE/RECONTOUR BOTH THE ROAD AND RECREATION SITES AND HYDROSEED ACCORDINGLY TO TECHNICAL SPECIFICATION 31 25 00, EROSION AND SEDIMENTATION CONTROLS.
8. IN AREAS OF REMOVED GRAVEL, FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
9. INSTALL WATER BAR CROSS DRAINS PER PLAN FOR PERMANENT ROAD SOIL EROSION CONTROL. WHERE WATER BAR OUTLETS ONTO FILL SLOPES. ARMOR OUTLET WITH E7a OR E7b AND LINE WITH N180 GEOTEXTILE.

EC-6: WEED FREE STRAW (4,000 lb/AC) & NATIVE SEED; SEE R0809 (80 SEEDS/sf OR 50 lb/AC)

EC-4: HYDROSEED WITH NATIVE SEED; SEE R0809 (80 SEEDS/sf OR 50 lb/AC) & ORGANIC TRACKIFIER (125 lb/AC)

TC-1: STABILIZED CONSTRUCTION ENTRANCE/EXIT

CONSTRUCTION ENTRANCE

WM-4: SPILL PREVENTION & CONTROL

SE-1: SILT FENCE

SE-5: TEMPORARY FIBER ROLL-BURLAP WATTLE

WE-1: WIND EROSION CONTROL

WEC

EC-2: PRESERVATION OF EXISTING VEGETATION

PEV

WATER BAR


1. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPs, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.
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0 30 60 90

1" = 30'

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WARNING
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



PREPARED BY

 **Knight Piésold**
CONSULTING

 **Kiewit**

DESIGNED	K. FITZGERALD
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMPBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



PROJECT		PROJ #	VA103-640/1
KLAMATH RIVER RENEWAL PROJECT		DATE	05/27/2022
SHEET TITLE		DWG	<div>C7625</div> <div>WPCD-RFR-02</div>
MALLARD COVE RECREATION FACILITY TEMPORARY & PERMANENT EROSION & SEDIMENT CONTROL PLAN			