EXHIBIT A

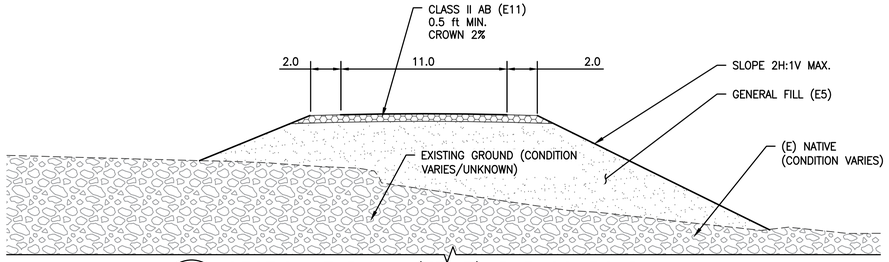
100% FINAL Design Drawings_Civil_Roads, Bridges, Culverts_Drawdown 2 (Dec2022) (CEII)

CRITICAL ENERGY/ELECTRIC INFRASTRUCTURE INFORMATION (CEII)

FOLLOWING DRAWINGS REDACTED IN ENTIRETY

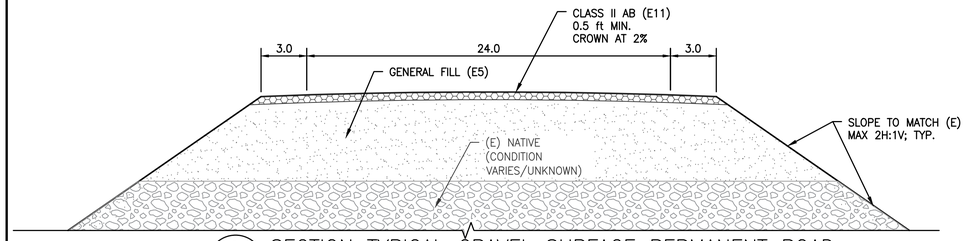
C5000, C5001, C5002, C5205

The redacted material qualifies as CEII pursuant to the Commission's rules because it contains sensitive dam safety and construction information that (a) relates details about the production, generation, transmission, or distribution of energy, (b) could be useful to a person planning an attack on critical infrastructure, (c) is exempt from mandatory disclosure under the Freedom of Information Act, and (d) gives strategic information beyond the location of the critical infrastructure. Accordingly, the Renewal Corporation has requested confidential treatment of this material pursuant to 18 C.F.R. § 388.113.



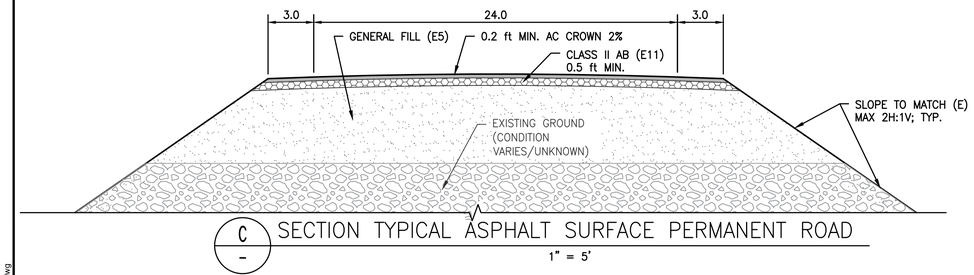
A – SECTION TYPICAL (TEMP) BYPASS ROAD

1" = 5'



B – SECTION TYPICAL GRAVEL SURFACE PERMANENT ROAD

1" = 5'



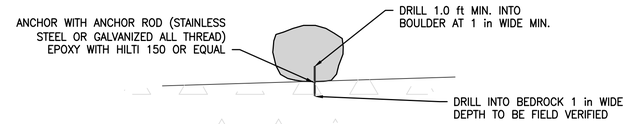
C – SECTION TYPICAL ASPHALT SURFACE PERMANENT ROAD

1" = 5'

L. Joey Howard

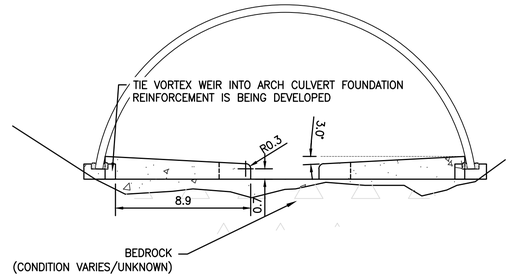
Digitally signed by L. Joey Howard
Date: 2022.05.27 07:07:00

REGISTERED PROFESSIONAL ENGINEER
LEONARD J. HOWARD
No. 53319
Exp. 06-30-23
CIVIL
STATE OF CALIFORNIA



D – SECTION FALL CREEK AT DAGGETT ROAD ALTERNATIVE ARCH CULVERT TYPICAL BOULDER ANCHOR

1" = 5'

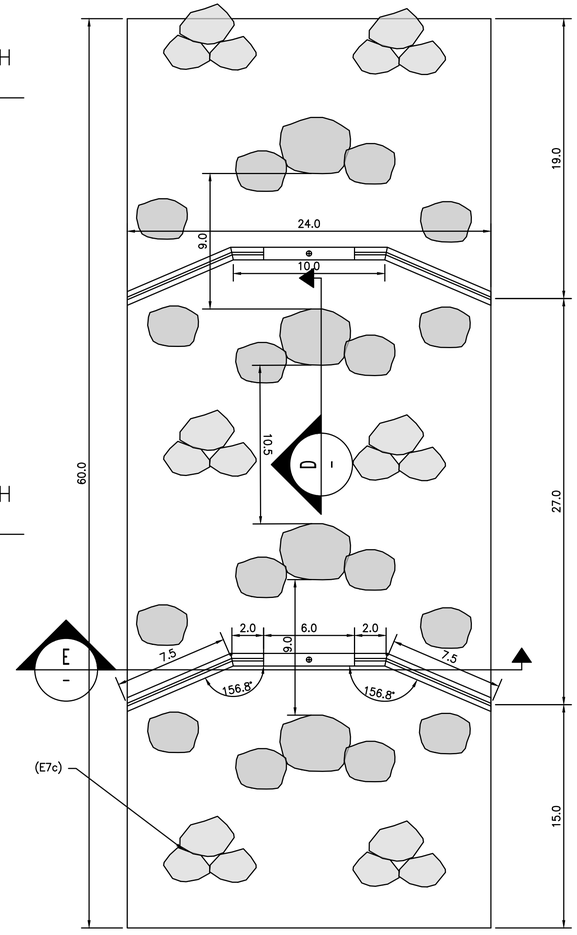


E – SECTION FALL CREEK AT DAGGETT ROAD ALTERNATIVE ARCH CULVERT TYPICAL VORTEX WEIR

1" = 5'

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.
5. 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.



1 – DETAIL FALL CREEK AT DAGGETT ROAD SHALLOW BEDROCK ALTERNATIVE PLAN

1" = 5'

0 5 10 15

1"=5'

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

Digitally signed by Charles Schlumpberger
Date: 2022.05.27 07:07:00

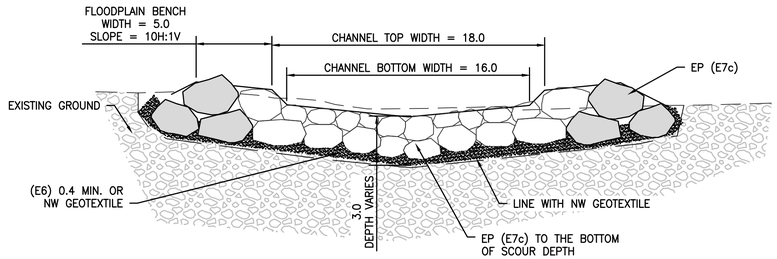
PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

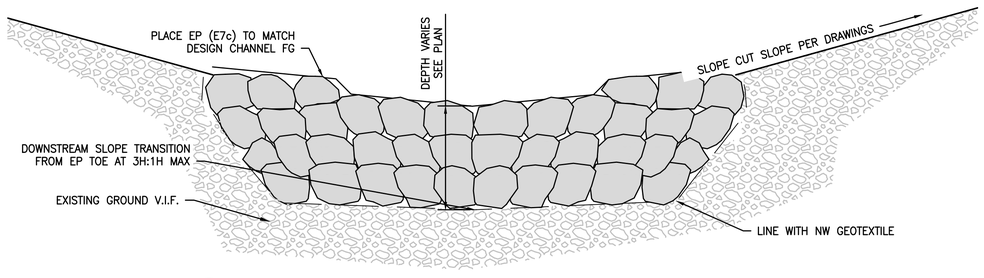
PROJECT	KLAMATH RIVER RENEWAL PROJECT
PROJ #	VA103-640/1
DATE	05/27/2022
SHEET TITLE	CIVIL - ROADS & CULVERTS TYPICAL DETAILS SHEET 1 OF 2
DWG	C5003

PC:User: May 26, 2022 - 3:11pm
F:\C3D\WRP\DESIGN\100% DESIGN\Final Rev\C5003 R0\C5003 R0.dwg



A – SECTION TYPICAL UPSTREAM TRANSITION (ROCK VANE)

1" = 5'

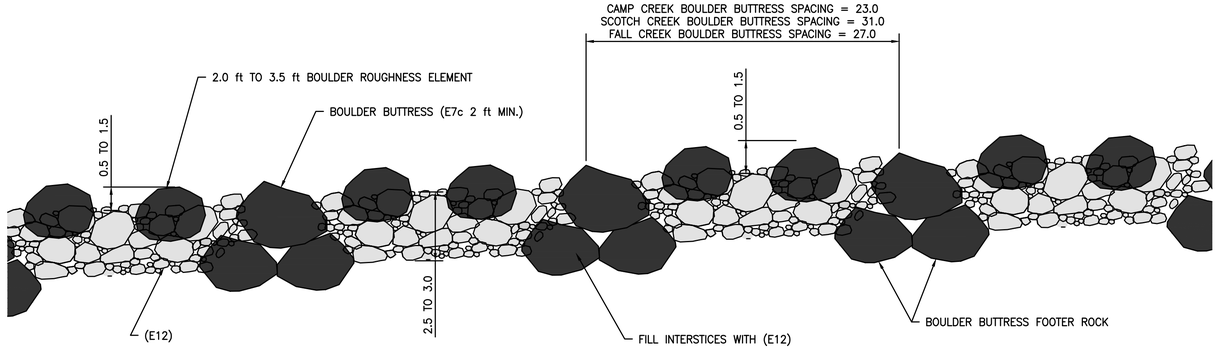


B – SECTION TYPICAL DOWNSTREAM TRANSITION (EP)

1" = 5'

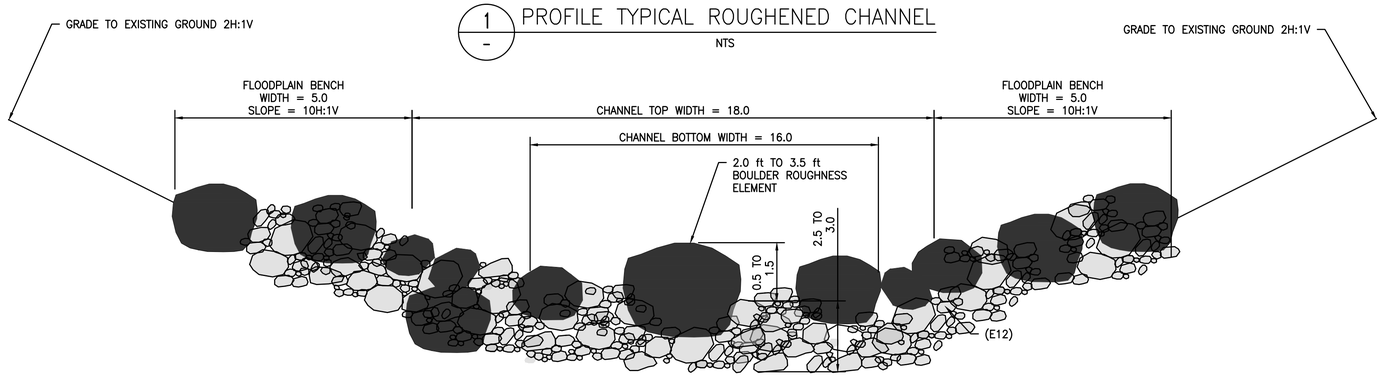
NOTES:

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.



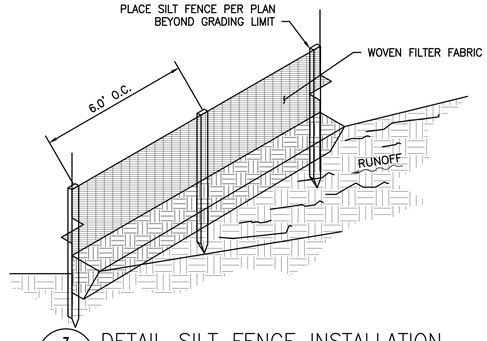
1 – PROFILE TYPICAL ROUGHENED CHANNEL

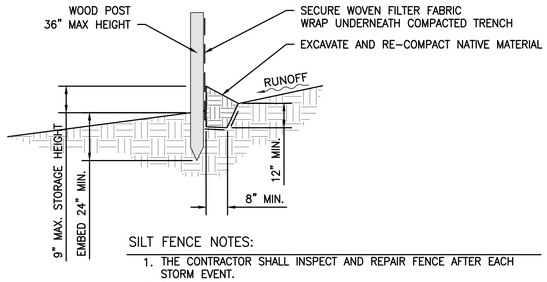
NTS



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.

L. Joey Howard

Digitally signed by L. Joey Howard
Date: 2022.05.27 13:19:09 -07'00'

REGISTERED PROFESSIONAL ENGINEER
LEONARD J. HOWARD
No. 53319
Exp. 06-30-23
CIVIL
STATE OF CALIFORNIA

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

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

PCUser May 26, 2022 - 3:30pm
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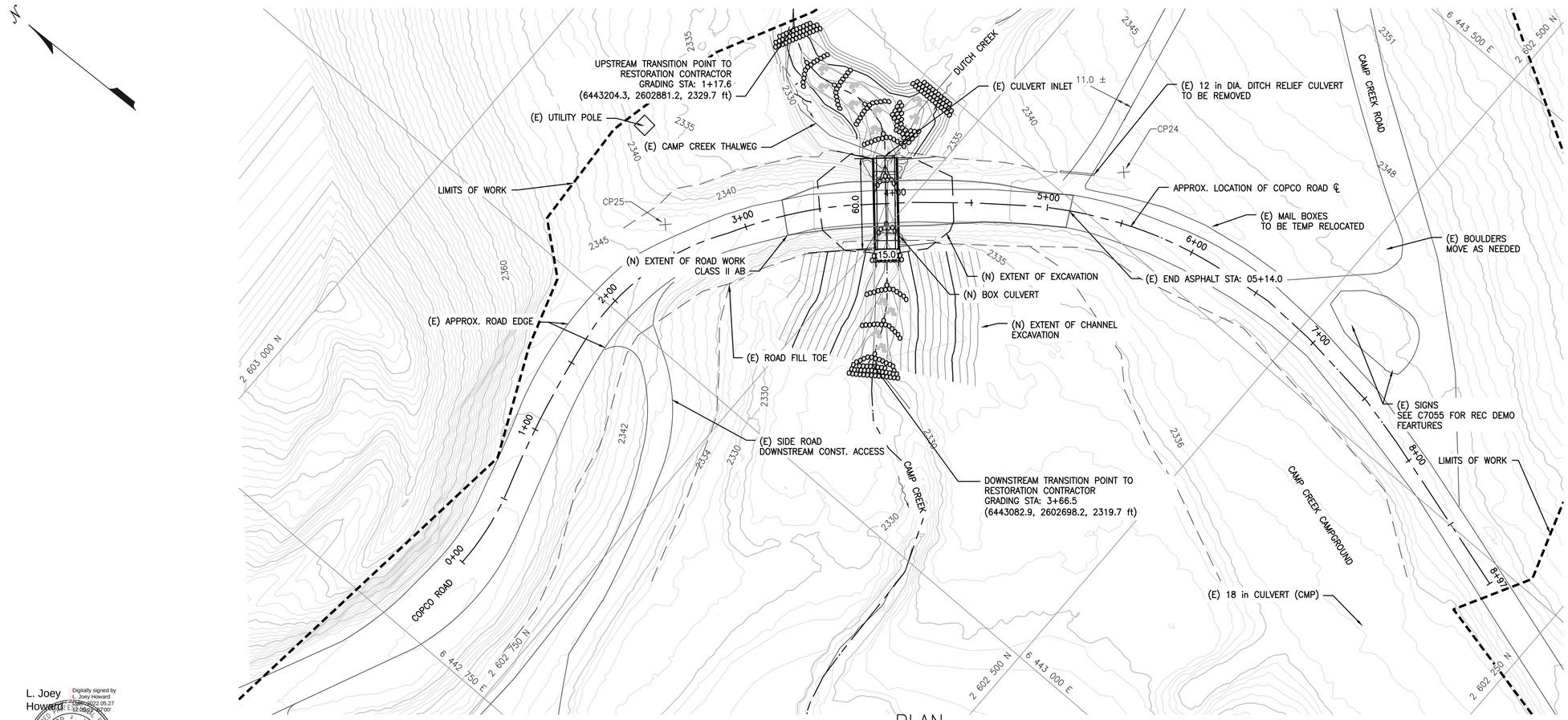


PLAN
1" = 40'

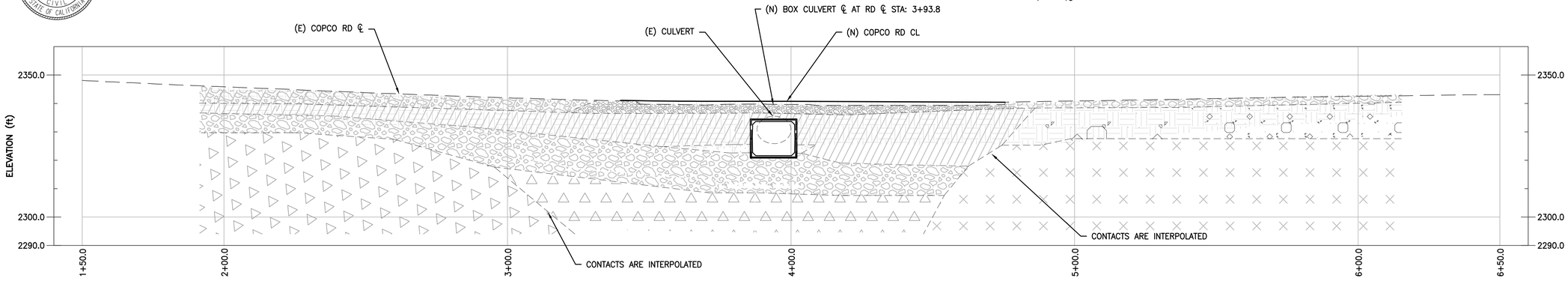
0 40 80 120
1" = 40'

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

L. Joey Howard
Digitally signed by L. Joey Howard
2022.05.27 12:09:07 -07'00'
REGISTERED L. JOEY HOWARD CIVIL ENGINEER No. 53319 Exp. 06-30-23 CIVIL STATE OF CALIFORNIA



PROFILE
1" = 20'

0 20 40 60
1" = 20'

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

Digitally signed by Charles Schlumpberger
DN: cn=Charles Schlumpberger, o=Knight Piesold Consulting, ou=Civil, email=cschlumpberger@knightpiesold.com, c=US
Date: 2022.05.27 12:09:07 -07'00'
REGISTERED CHARLES P. SCHLUMPBERGER CIVIL ENGINEER No. C50456 Exp. 6-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

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

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

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

PO:User May 26, 2022 - 11:49am
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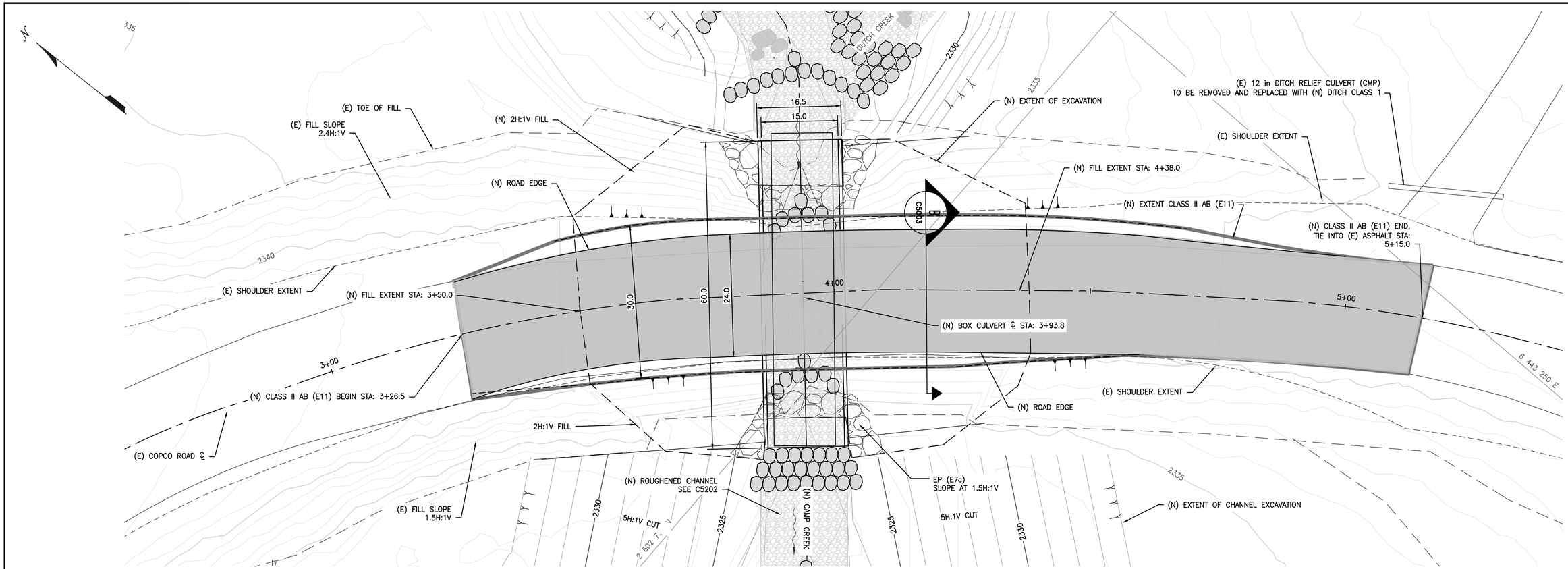
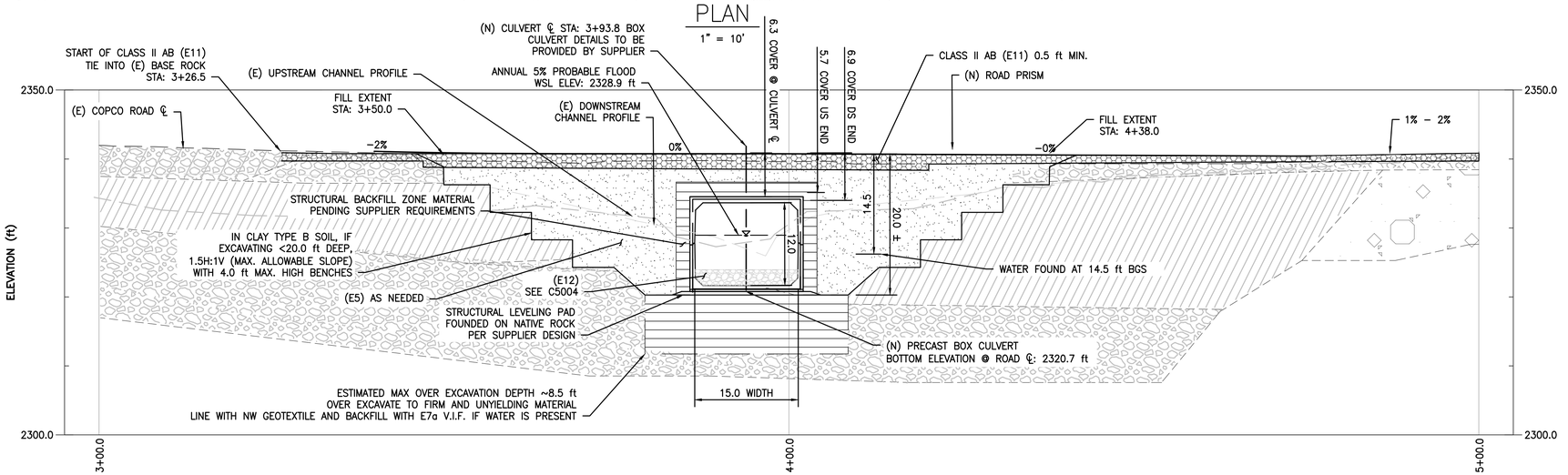


PLAN
1" = 10'

NOTE:

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."



PROFILE
1" = 10'

0 10 20 30
1" = 10'

ISSUED FOR CONSTRUCTION

L. Joey Howard
Digitally signed by L. Joey Howard
DN: cn=L. Joey Howard, o=Knight Piésold Ltd., ou=Mining, email=jhoward@knightpiesold.com, c=US
Date: 2022.05.27 12:08:47 -07'00'

REGISTERED PROFESSIONAL ENGINEER L. JOEY HOWARD No. 53319 Exp. 06-30-23 CIVIL STATE OF CALIFORNIA

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

Digitally signed by Charles P. Schlumpberger
DN: cn=Charles P. Schlumpberger, o=Knight Piésold Ltd., ou=Mining, email=cschlumpberger@knightpiesold.com, c=US
Date: 2022.05.27 12:08:47 -07'00'

REGISTERED PROFESSIONAL ENGINEER CHARLES P. SCHLUMPBERGER No. C50456 Exp. 6-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT
KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE
CAMP CREEK CULVERT
PLAN, PROFILE, AND SECTION

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5201

PC:User May 26, 2022 - 12:53pm
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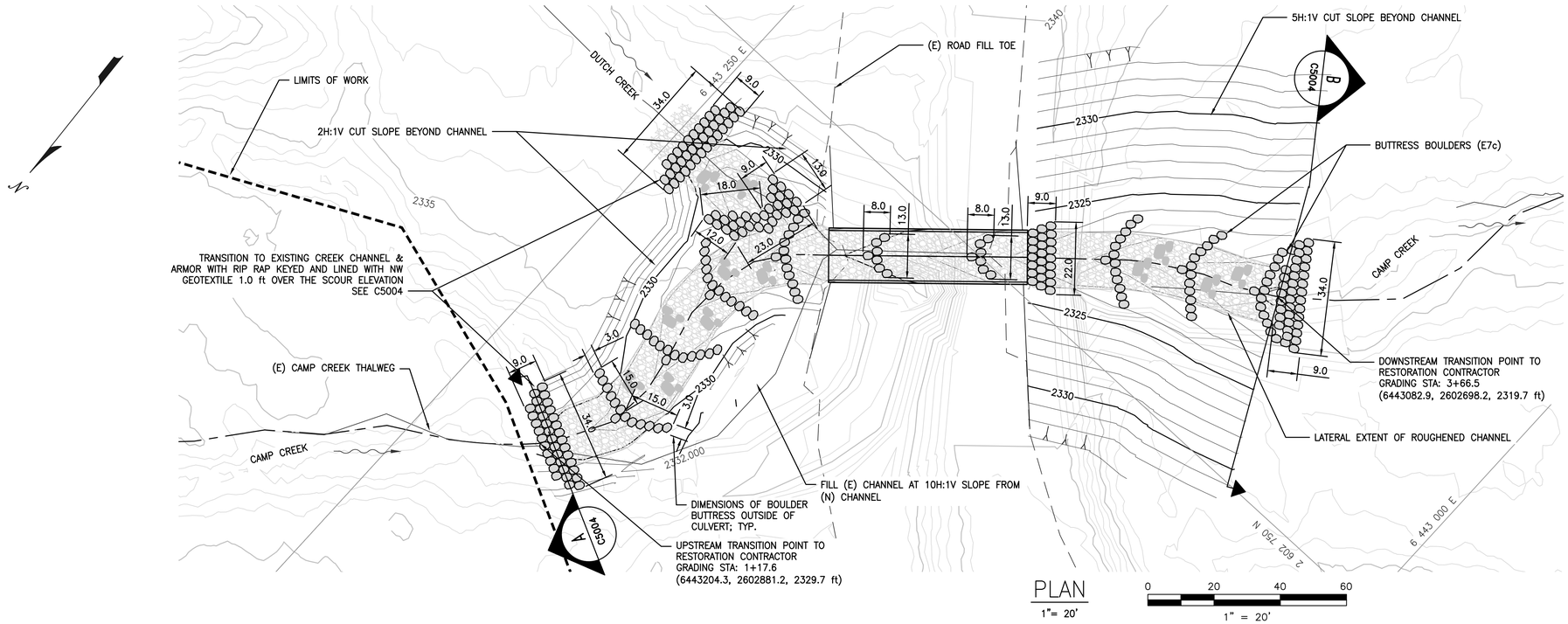
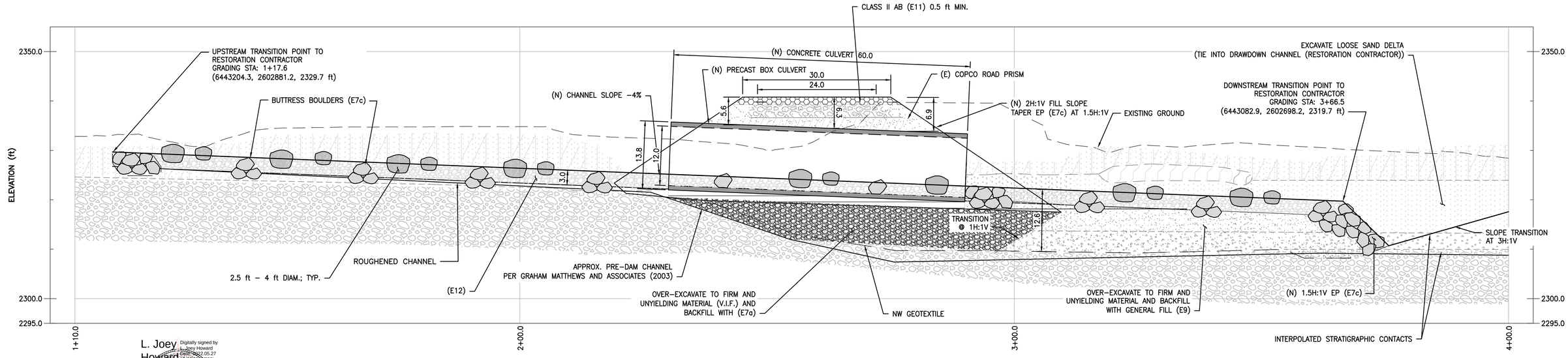


CAMP CREEK ROUGHENED CHANNEL STATIONING (NOTE: BASED ON GROUND–LIDAR SURVEY DATA)				
FEATURE	STATION	EASTING	NORTHING	ELEVATION
ROCK VANE	1+17.61	6443204.3	2602881.2	2329.7
BOULDER BUTTRESS	1+45.00	6443191.4	2602856.9	2328.2
BOULDER BUTTRESS	1+68.79	6443192.7	2602834.1	2327.7
BOULDER BUTTRESS	1+92.50	6443195.8	2602810.5	2326.3
BOULDER BUTTRESS	2+16.00	6443187.9	2602788.9	2325.8
CULVERT INLET INVERT	2+30.11	6443177.6	2602779.7	2322.9
CULVERT OUTLET INVERT	2+90.11	6443132.9	2602739.6	2320.5
CULVERT EP DISSIPATER	2+90.16	6443132.8	2602739.1	2322.8
BOULDER BUTTRESS	3+15.69	6443113.3	2602723.3	2321.7
BOULDER BUTTRESS	3+39.37	6443094.3	2602709.5	2320.8
BOULDER BUTTRESS	3+62.17	6443073.6	2602700.3	2319.9
CHANNEL END TRANSITION	3+66.50	6443082.9	2602698.2	2319.7

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. TEMPORARY EXCAVATION OF MATERIAL DOWNSTREAM OF THE NEW CULVERT (STA–20+00) WITHIN THE DELTA DEPOSITION AREA MAY BE REQUIRED TO PREVENT PONDING OR BACKWATERING FOLLOWING CULVERT INSTALLATION. REFER TO GEOTECHNICAL REPORT.
6. "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."



L. Joey Howard — Digitally signed by L. Joey Howard — Date: 2022.05.27 12:39:56 -07'00'
REGISTERED PROFESSIONAL ENGINEER — L. EDWARD J. HOWARD — No. 53319 Exp. 06-30-23 — CIVIL — STATE OF CALIFORNIA

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

REGISTERED PROFESSIONAL ENGINEER — CHARLES P. SCHLUMPBERGER — No. C50456 Exp. 6-30-23 — CIVIL — STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

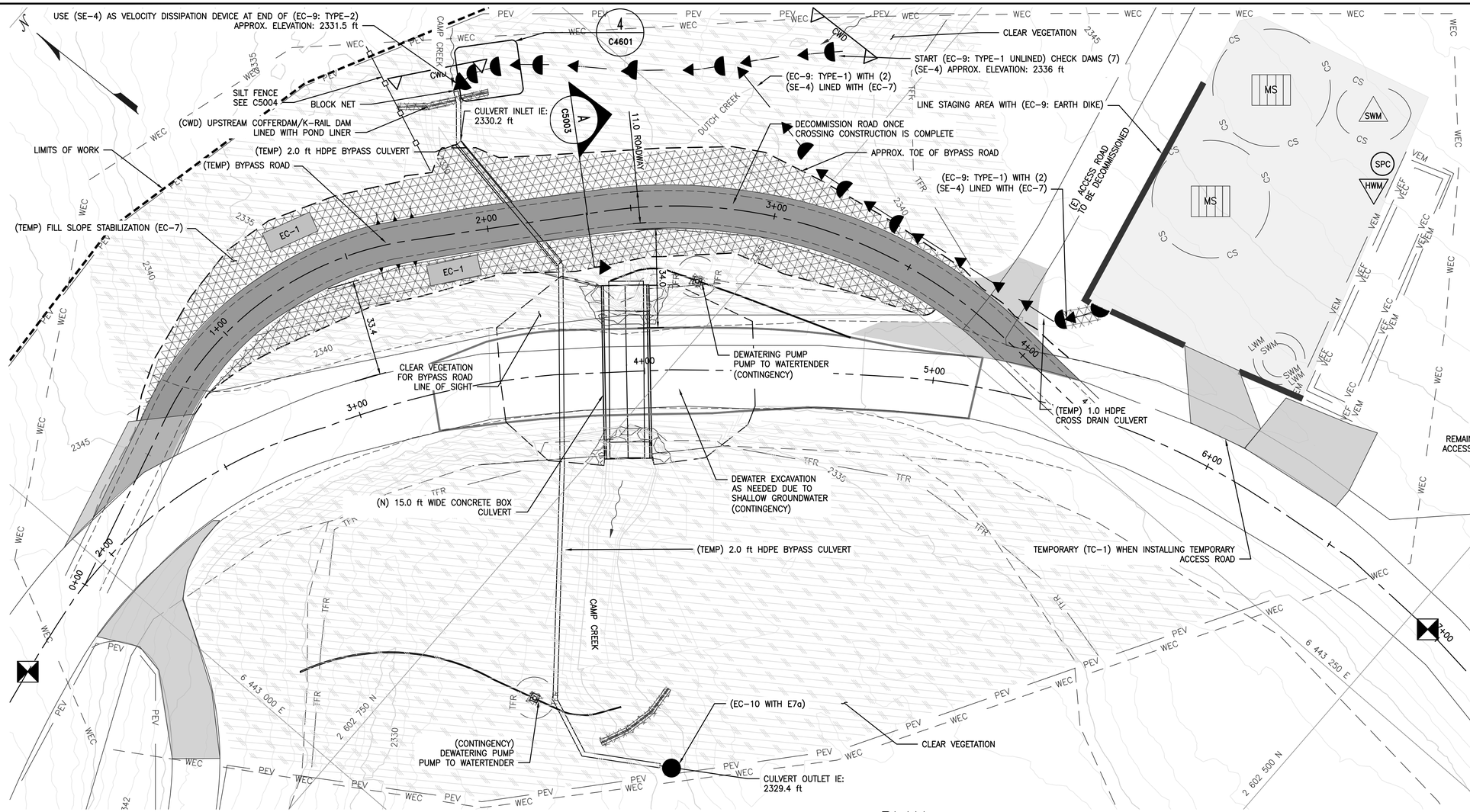
DESIGNED	J. O'REILLY
DRAWN	K. FITZGERALD
REVIEWED	C. SCHLUMPBERGER
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE: CAMP CREEK CULVERT CHANNEL ALIGNMENT PLAN AND PROFILE

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5202

PCUser May 26, 2022 - 11:36am
P:\C3D\KRRP\DESIGN\100% DESIGN\Final_Rev0\C5202 R0.dwg

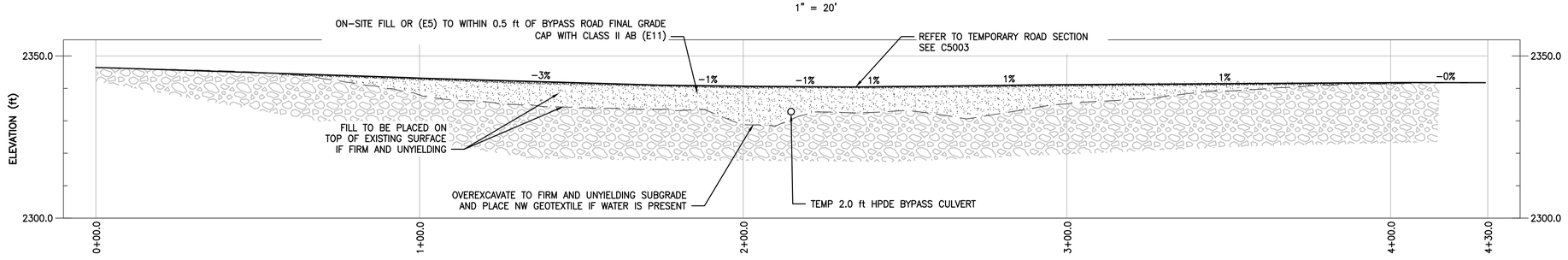


(TEMP) BYPASS ROAD STATIONING				
FEATURE	STATION	EASTING	NORTHING	ELEVATION
BEGIN TEMP ROAD STATIONING (1+86.13 (E) ROAD STATION)	0+00	6442990.8	2602854.2	2346.4
STATION	0+50.00	6443039.1	2602867.2	2344.9
BC (CURVE 1) R=112 ft	0+63.48	6443052.2	2602870.7	2344.4
STATION	1+00.00	6443088.3	2602874.2	2343.2
MC (CURVE 1) R=112 ft	1+22.49	6443081.1	2602762.6	2342.5
STATION	1+50.00	6443135.9	2602860.2	2341.7
EC (CURVE 1) R=112 ft	1+72.08	6443153.9	2602847.5	2341.1
STATION	2+00.00	6443175.1	2602829.3	2340.7
BC (CURVE 2) R=165 ft	2+40.82	6443206.1	2602802.7	2340.5
STATION	2+50.00	6443212.9	2602796.5	2340.6
STATION	3+00.00	6443243.2	2602757.0	2341.2
MC (CURVE 2) R=165 ft	3+21.72	6443098.8	2602677.7	2341.3
STATION	3+50.00	6443262.3	2602710.2	2341.5
EC (CURVE 2) R=165 ft	3+91.23	6443263.3	2602669.2	2341.7
STATION	4+00.00	6443262.9	2602660.5	2341.8
END TEMP ROAD STATIONING (5+53.48 (E) ROAD STATION)	4+29.23	6443261.4	2602631.3	2341.8

NOTES:

1. SEE C5000, C5001, C6000 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. CONTRACTOR TO CONFIRM AND COMPLY WITH INSTREAM WATER QUALITY REQUIREMENTS.
6. CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS. IF THERE IS A DISCREPANCY, USE LOCAL GROUND SURVEY.
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.
9. "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."

PLAN
1" = 20'



PROFILE
1"= 20'

0 20 40 60
1" = 20'

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT
KLAMATH RIVER RENEWAL PROJECT

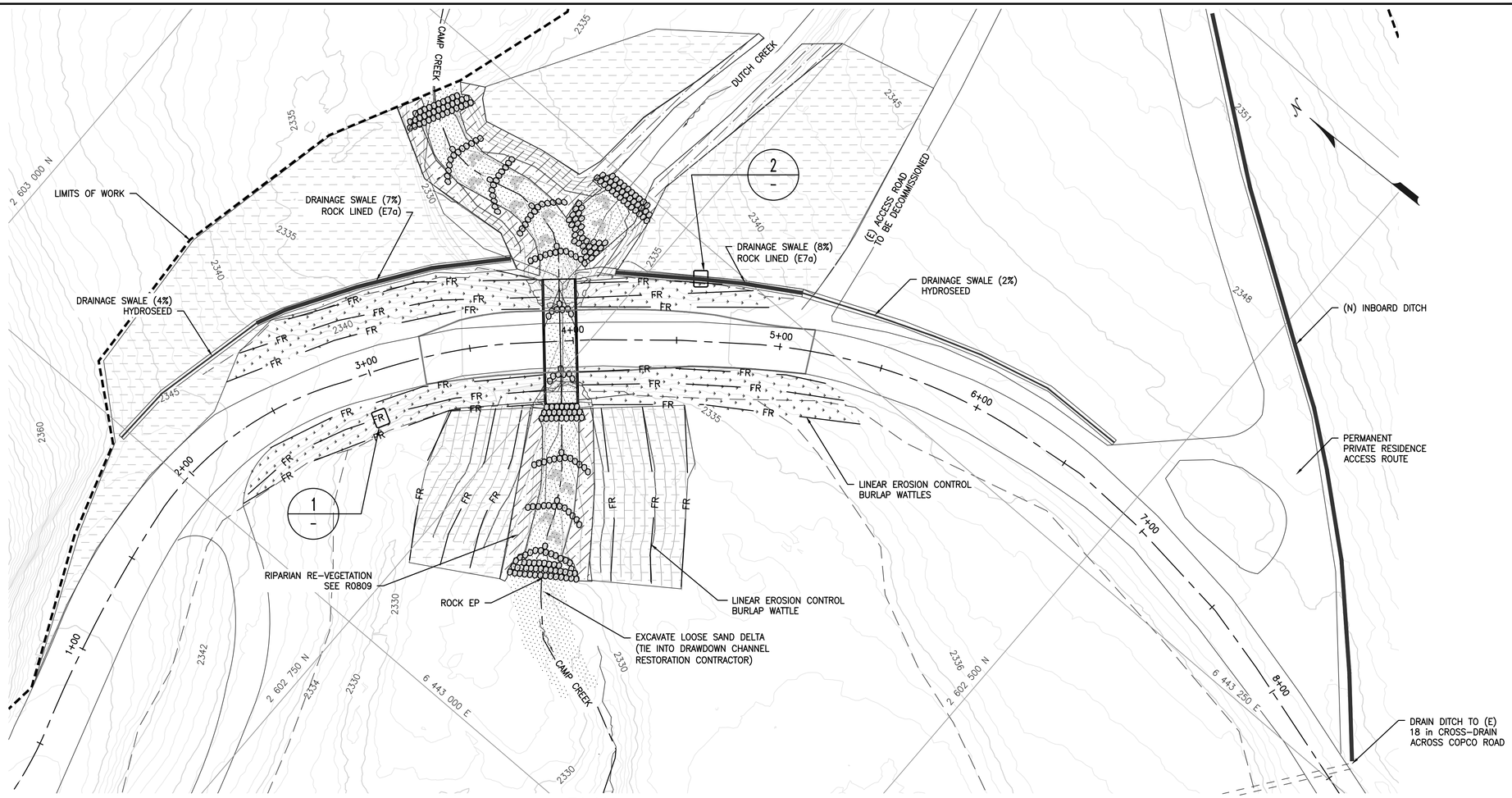
SHEET TITLE
CAMP CREEK CULVERT
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5203

PCUser May 26, 2022 - 11:08am
F:\C3D\KRRP\DESIGN\100% DESIGN\Final_Rev0\C5203 R0.dwg

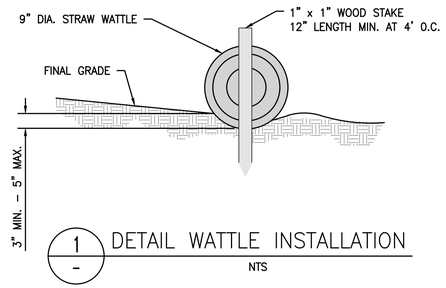
NOTES:

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."

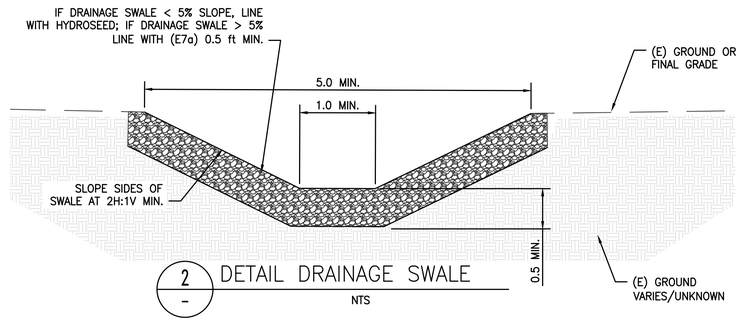


PLAN
1" = 30'

0 30 60 90
1" = 30'



1 – DETAIL WATTLE INSTALLATION
NTS



2 – DETAIL DRAINAGE SWALE
NTS

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT
KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE
CAMP CREEK CULVERT
FINAL EROSION AND SEDIMENT CONTROL PLAN

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5204

PCUser May 26, 2022 - 1:53pm
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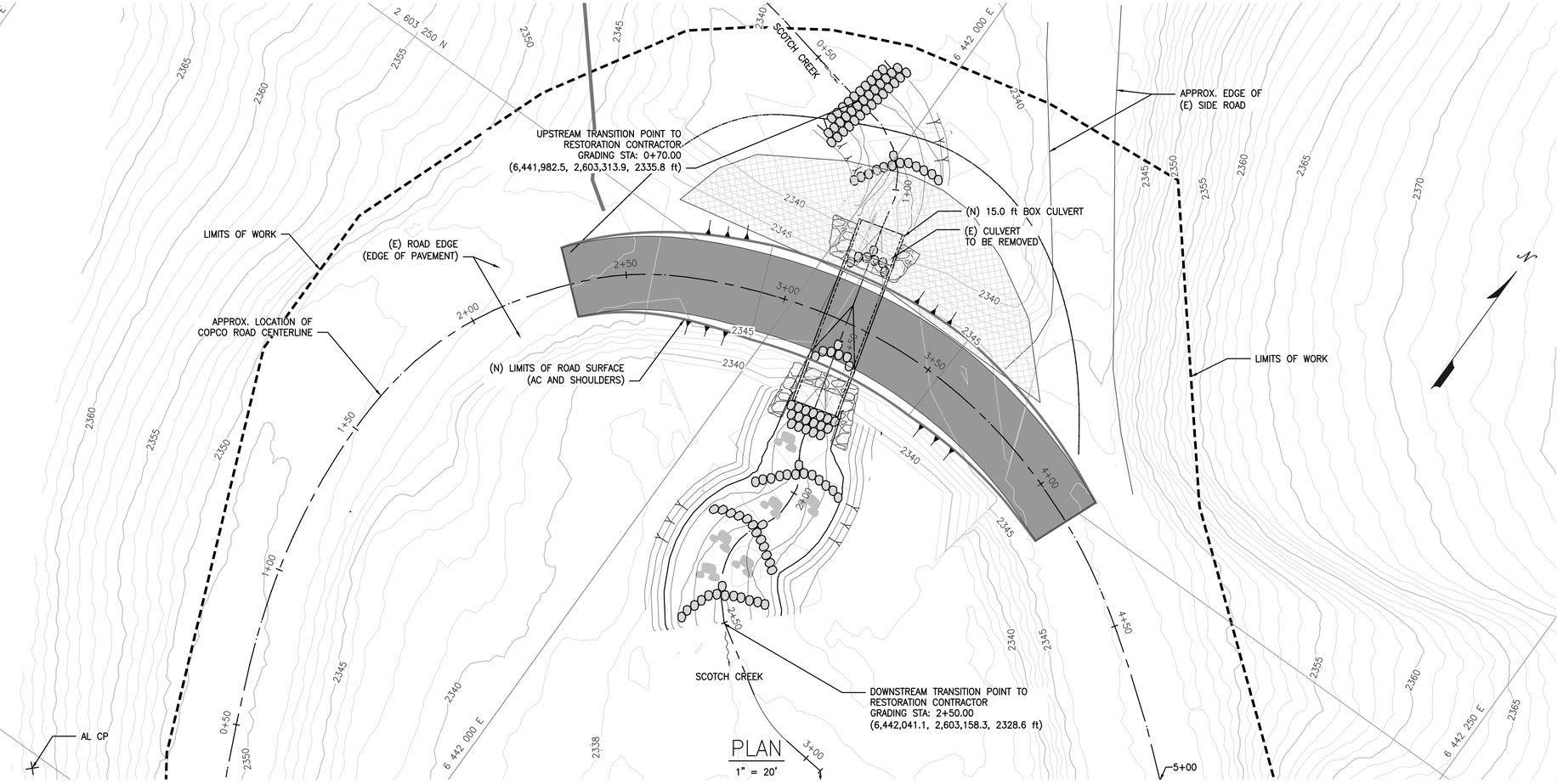
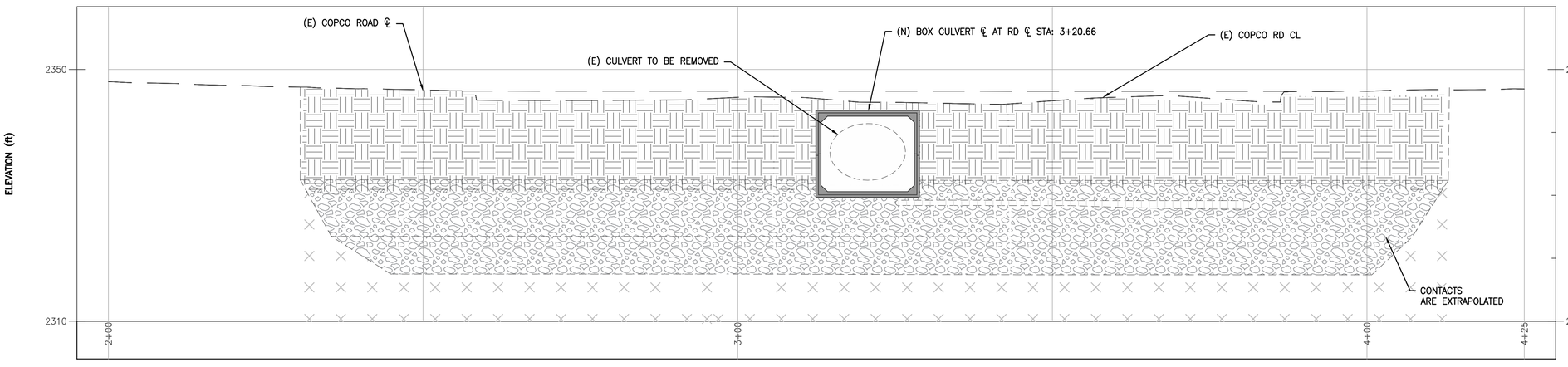
CPCO ROAD (SCOTCH CREEK) STATIONING			
STATION	EASTING	NORTHING	ELEVATION
0+50.00	6,441,936.6	2,603,044.0	2350.1
1+00.00	6,441,919.4	2,603,090.8	2349.8
1+50.00	6,441,912.9	2,603,140.3	2349.0
2+00.00	6,441,923.0	2,603,188.8	2348.1
2+50.00	6,441,953.4	2,603,228.1	2347.1
3+00.00	6,441,997.7	2,603,250.7	2347.1
3+50.00	6,442,046.7	2,603,258.9	2347.1
4+00.00	6,442,095.8	2,603,250.6	2347.1
4+50.00	6,442,140.2	2,603,228.0	2347.1
5+00.00	6,442,179.7	2,603,197.3	2347.2
AL CP	6,441,892.9	2,602,996.0	2363.3

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

0 10 20 30
1" = 10'

ISSUED FOR CONSTRUCTION

L. Joey Howard
Digitally signed by L. Joey Howard
Date: 2022.05.27 13:37:26 -07'00'

REGISTERED PROFESSIONAL ENGINEER
LEONARD J. HOWARD
No. 53319
Exp. 06-30-23
CIVIL
STATE OF CALIFORNIA

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE: SCOTCH CREEK CULVERT GENERAL ARRANGEMENT

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5300

PCUser May 26, 2022 - 12:19pm
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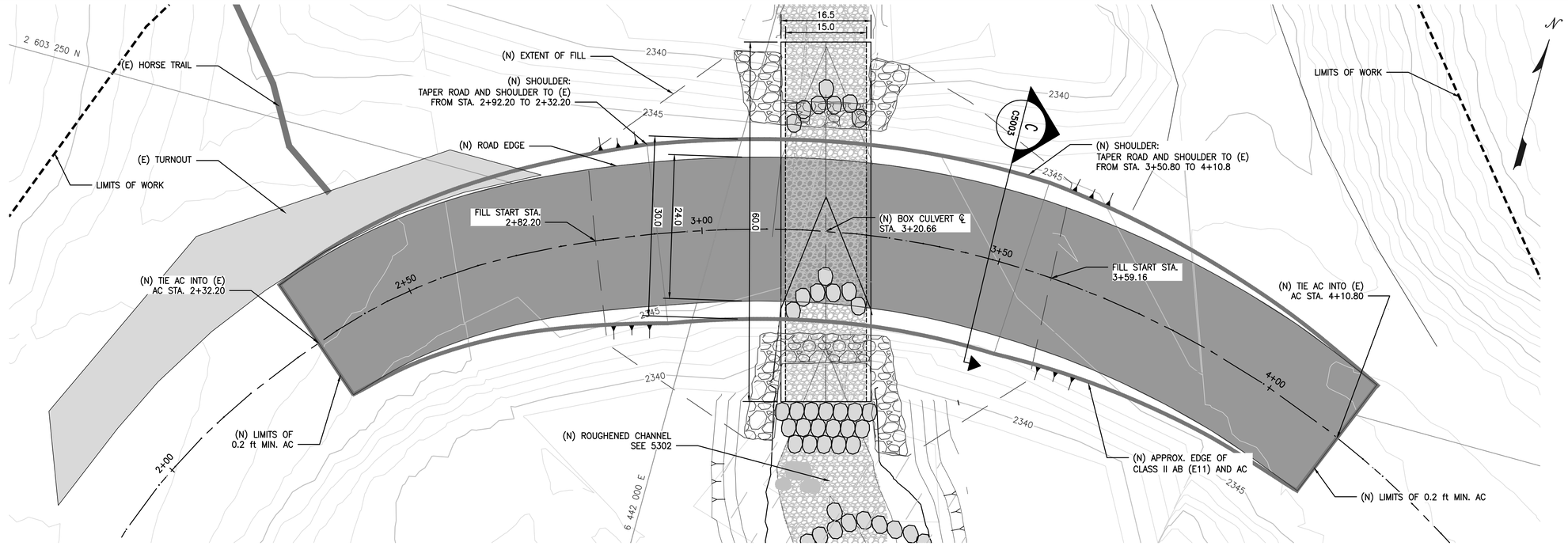
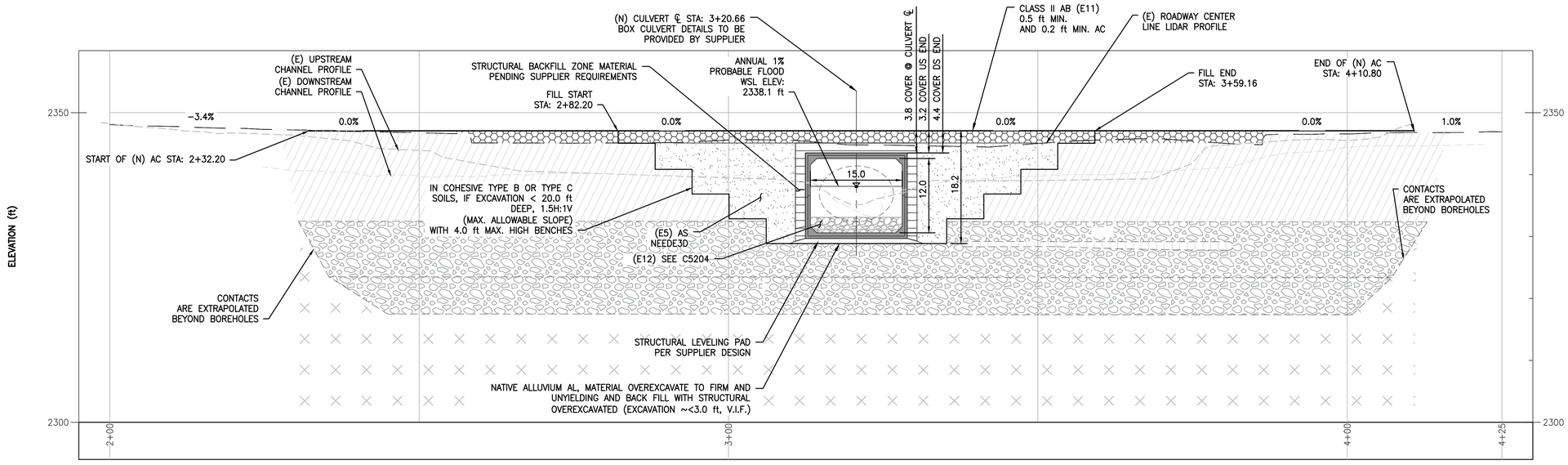
NOTES:

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."



PLAN
1" = 10'



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

0 10 20 30
1" = 10'

ISSUED FOR CONSTRUCTION

L. Joey Howard
Digitally signed by L. Joey Howard
Date: 2022.05.27
REGISTERED LEONARD J. HOWARD CIVIL ENGINEER No. 53319 Exp. 06-30-23 CIVIL STATE OF CALIFORNIA

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

REGISTERED PROFESSIONAL ENGINEER CHARLES P. SCHLUMPBERGER No. C50456 Exp. 6-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT	KLAMATH RIVER RENEWAL PROJECT
PROJ #	VA103-640/1
DATE	05/27/2022
SHEET TITLE	SCOTCH CREEK CULVERT PLAN, PROFILE AND SECTION
DWG	C5301

PQUser May 26, 2022 - 12:29pm
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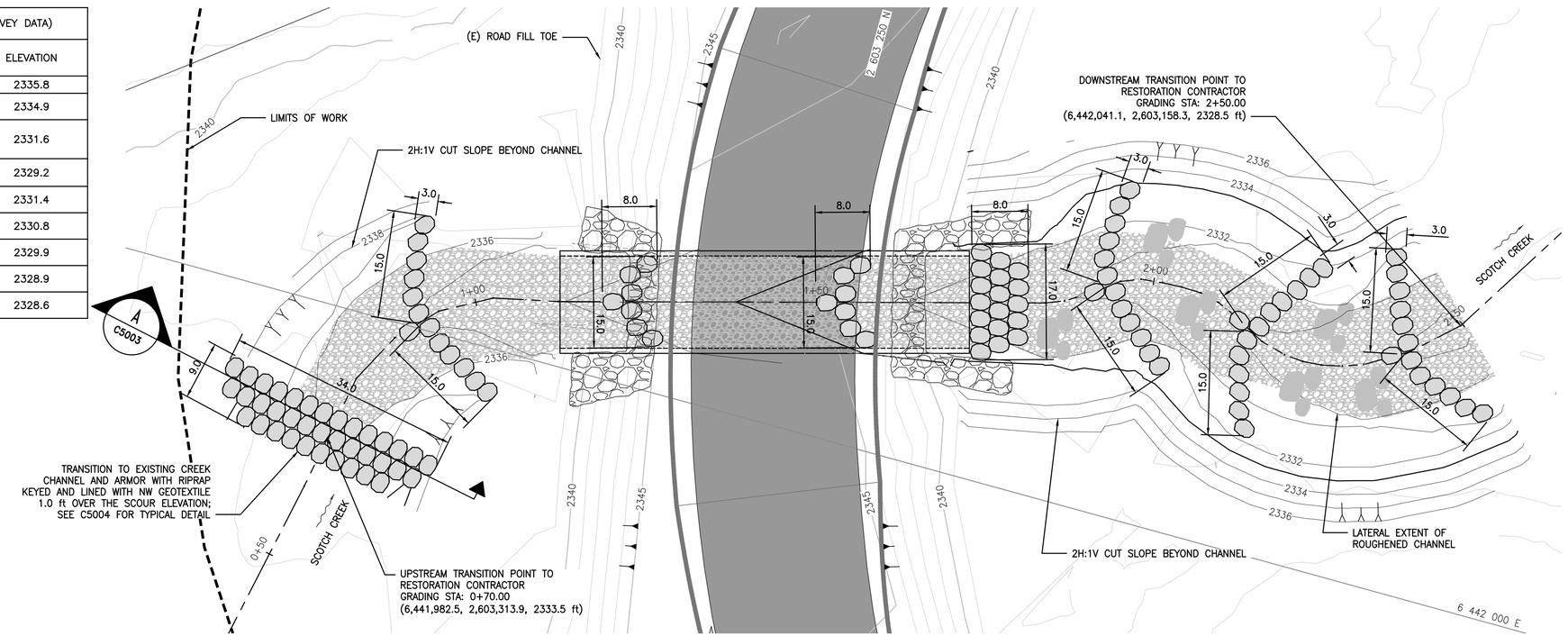
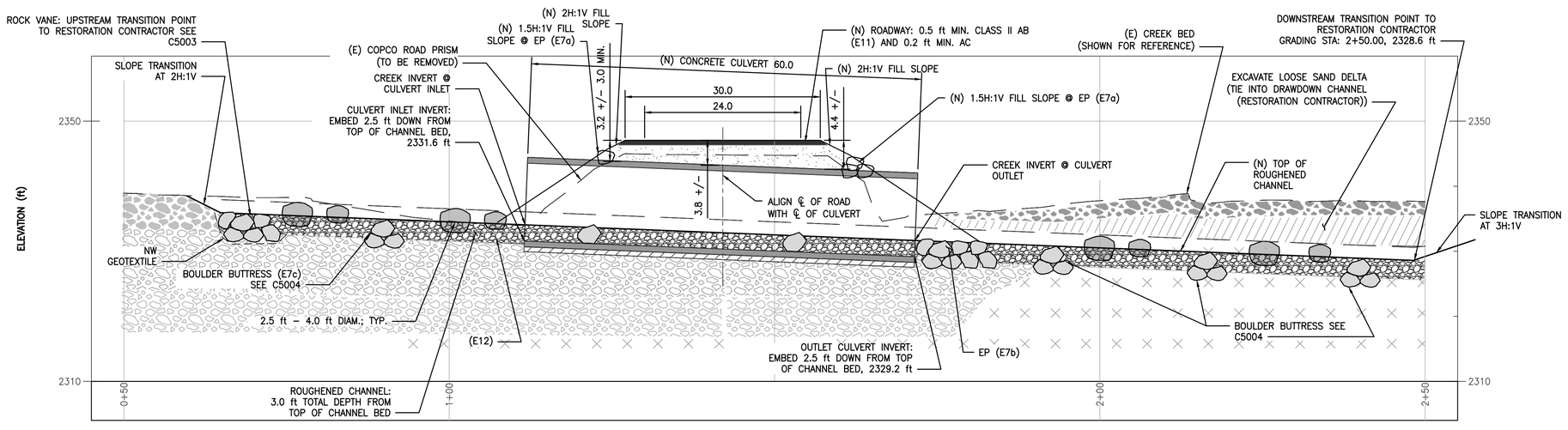
SCOTCH CREEK ROUGHENED CHANNEL STATIONING (NOTE: BASED ON GROUND–LIDAR SURVEY DATA)				
FEATURE	STATION	EASTING	NORTHING	ELEVATION
ROCK VANE	0+70.00	6,441,982.5	2,603,313.9	2335.8
BOULDER BUTTRESS	0+90.70	6,442,000.6	2,603,305.8	2334.9
CULVERT INLET INVERT	1+12.70	6,442,009.3	2,603,286.6	2331.6
CULVERT OUTLET INVERT	1+72.50	6,442,025.0	2,603,228.9	2329.2
CULVERT EP DISSIPATER	1+76.70	6,442,026.2	2,603,224.6	2331.4
BOULDER BUTTRESS	1+92.70	6,442,032.6	2,603,210.2	2330.8
BOULDER BUTTRESS	2+16.00	6,442,032.3	2,603,188.4	2329.9
BOULDER BUTTRESS	2+40.20	6,442,034.9	2,603,165.4	2328.9
CHANNEL END TRANSITION	2+50.00	6,442,041.1	2,603,158.3	2328.6

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."



PLAN
1" = 10'



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

0 10 20 30
1" = 10'

L. Joey Howard
Digitally signed by L. Joey Howard
REGISTERED PROFESSIONAL ENGINEER
L. JOEY HOWARD
No. 53319
Exp. 06-30-23
CIVIL
STATE OF CALIFORNIA

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT
KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE
SCOTCH CREEK CULVERT CHANNEL ALIGNMENT PLAN AND PROFILE

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5302

PDUser May 26, 2022 - 12:47pm
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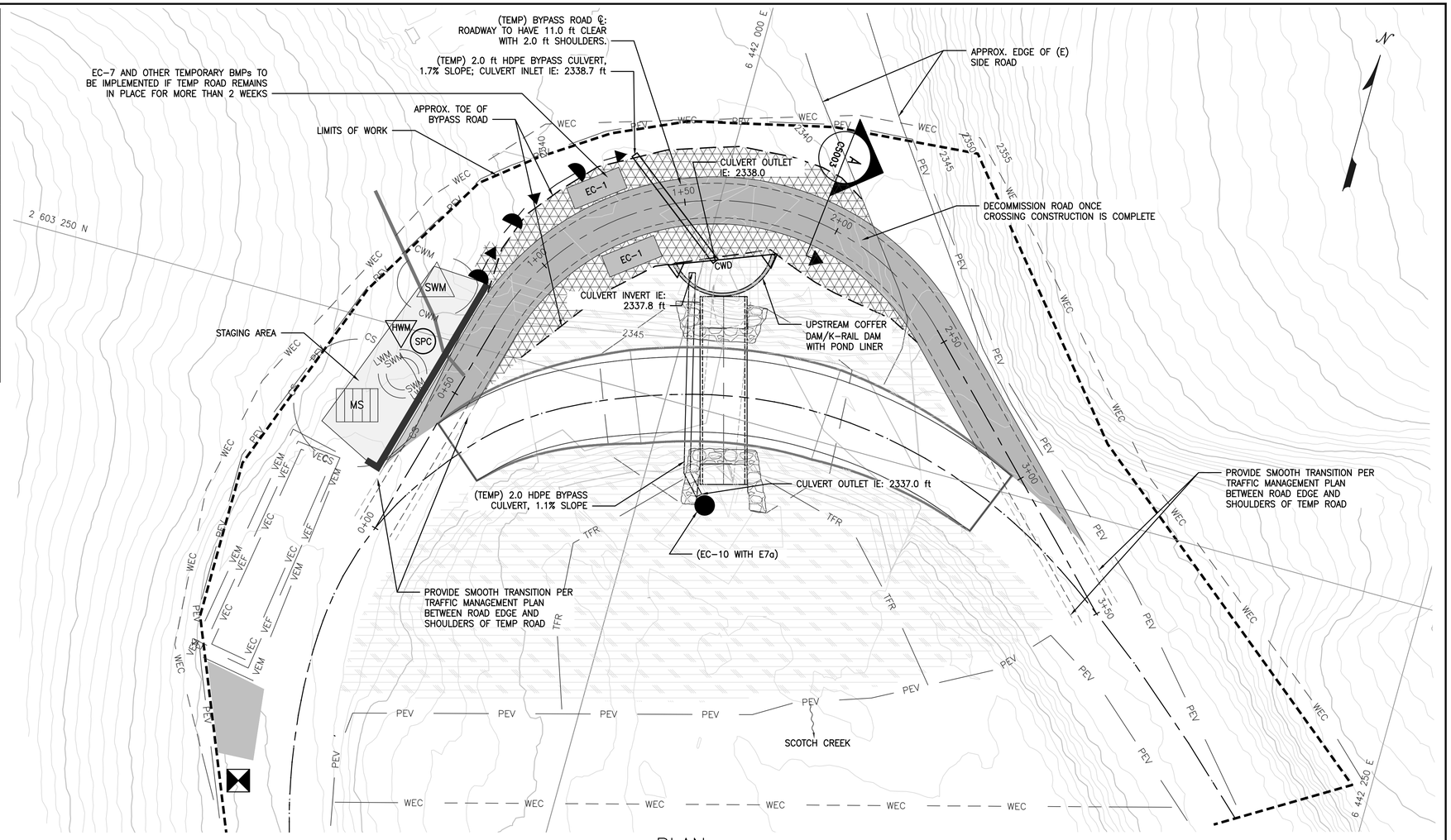
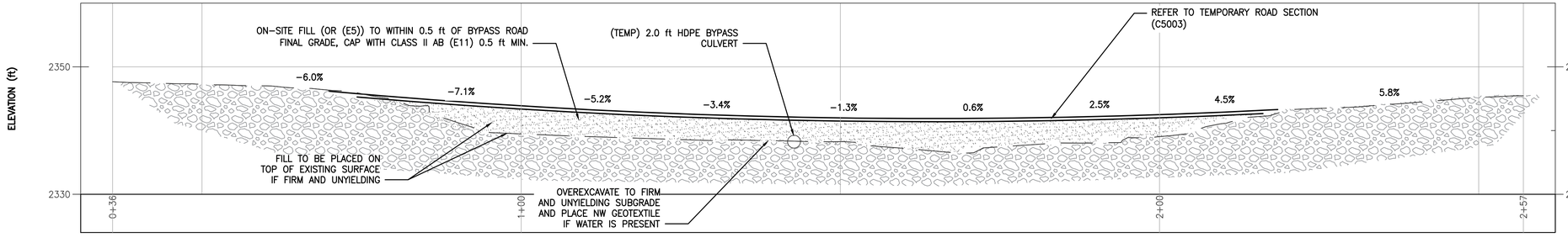
(TEMP) BYPASS ROAD STATIONING				
FEATURE	STATION	EASTING	NORTHING	ELEVATION
BEGIN TEMP ROAD STATIONING	0+00.00 (1+96.7 (E) ROAD STATION)	6,441,921.6	2,603,185.8	2348.1
STATION	0+50.00	6,441,934.7	2,603,234.0	2347.4
BC (CURVE 1) R=82 ft	0+75.00	6,441,941.3	2,603,258.2	2345.8
STATION	1+00.00	6,441,951.5	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:

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. CONTRACTOR STAGING AREA IS SHOWN AS CONCEPTUAL. FINAL ARRANGEMENT MAY BE ADJUSTED PENDING CONSTRUCTION PLANNING.
6. TEMPORARY BMPs SHOWN ARE CONCEPTUAL, ACTUAL LAYOUT MAY VARY PENDING SWPPP APPROVAL.
7. "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."



PLAN
1" = 20'



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

0 10 20 30
1" = 10'

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

REGISTERED PROFESSIONAL ENGINEER CHARLES P. SCHLUMPBERGER No. C50456 Exp. 6-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

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

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE: SCOTCH CREEK CULVERT TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5303

PCUser May 26, 2022 - 1:09pm
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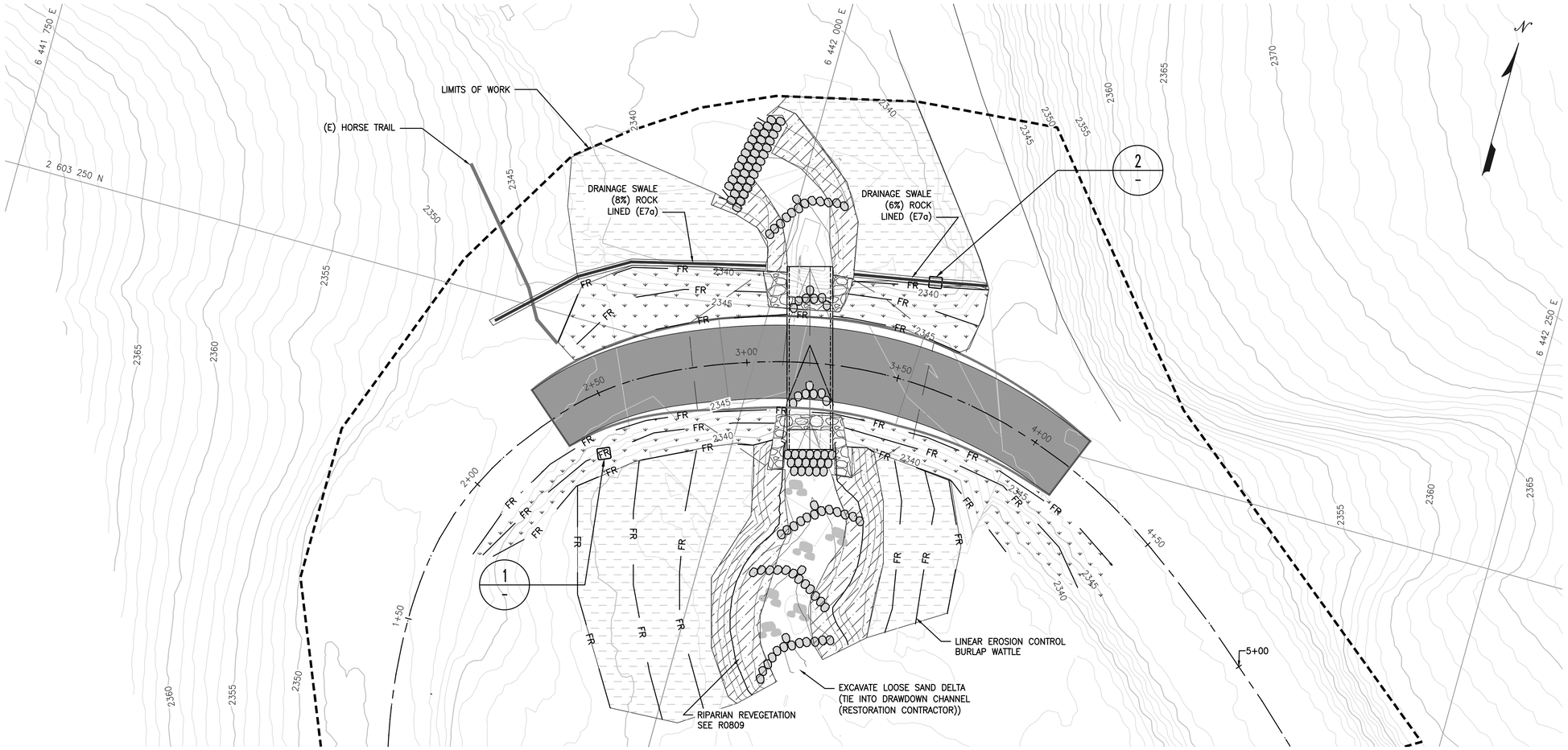
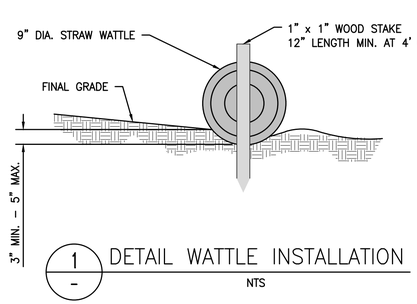
NOTES:

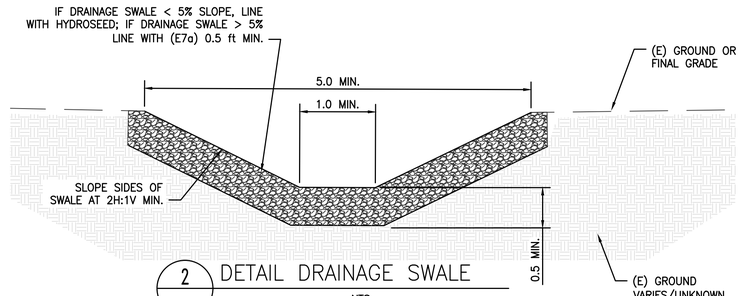
1. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERTS COMPONENTS.
2. SEE C5002 FOR LEGEND AND SYMBOLS.
3. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (23 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
4. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, 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."



PLAN
1" = 10'



1 - DETAIL WATTLE INSTALLATION
NTS



2 - DETAIL DRAINAGE SWALE
NTS

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

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

PCUser May 26, 2022 - 1:25pm
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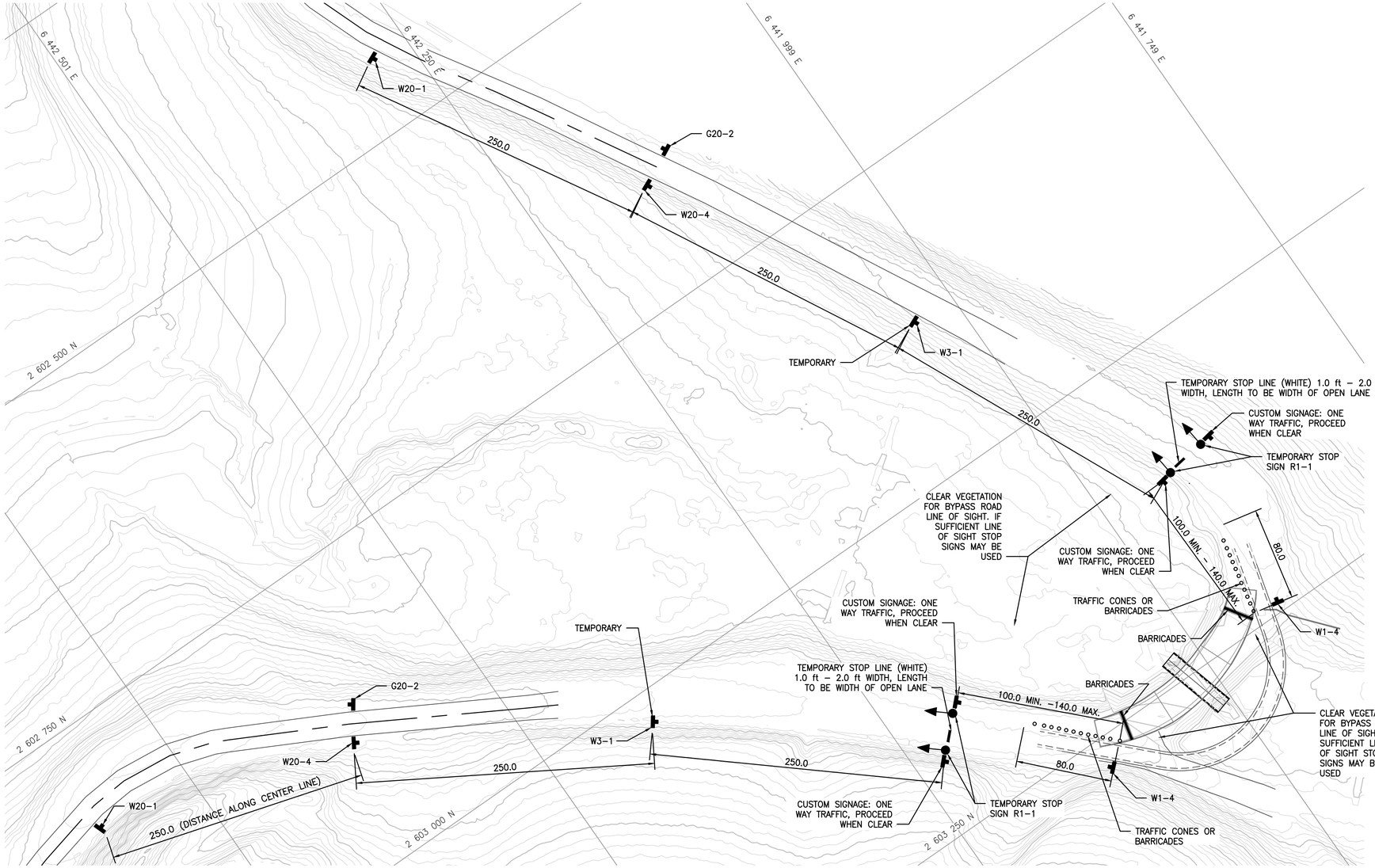

PLAN
1" = 50'

GENERAL 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. TRAFFIC MANAGEMENT PLAN SHALL BE COORDINATED AS APPROVED PER SISKIYOU COUNTY MOU.
6. "DESIGN HOLD: SITE TO BE REVIEWED BY THE PROJECT ENGINEER FOLLOWING DRAWDOWN TO DETERMINE IF DESIGN CHANGES ARE WARRANTED."

NOTES:

A. LAYOUT PER CALIFORNIA MUTCD 2014 EDITION TYPICAL APPLICATION 12.

B. STANDARD:

1. SAFEGUARDS SHALL BE INCORPORATED TO AVOID THE POSSIBILITY OF CONFLICTING SIGNAL INDICATIONS AT EACH END OF TEMPORARY TRAFFIC CONTROL ZONE.

C. GUIDANCE:

1. WHERE NO-PASSING LANES ARE NOT ALREADY IN PLACE, THEY SHOULD BE ADDED.
2. ADJUSTMENTS IN THE LOCATION OF THE ADVANCE WARNING SIGNS SHOULD BE MADE AS NEEDED TO ACCOMMODATE THE HORIZONTAL OR VERTICAL ALIGNMENT OF THE ROADWAY, RECOGNIZING THAT THE DISTANCES SHOWN FOR THE SIGN SPACING ARE MINIMUMS, ADJUSTMENTS IN THE HEIGHT OF THE SIGNAL HEADS SHOULD BE MADE AS NEEDED TO CONFORM TO THE VERTICAL ALIGNMENT.
3. FLAGMEN REQUIRED DURING CLEARING AND CONSTRUCTION BEFORE BYPASS DETOUR IS INSTALLED AND OPERATIONAL.

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

REGISTERED PROFESSIONAL ENGINEER — CHARLES P. SCHLUMPBERGER — No. C50456 Exp. 6-30-23 — CIVIL — STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

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

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE: SCOTCH CREEK CULVERT TRAFFIC MANAGEMENT PLAN

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5305

PCUser May 26, 2022 - 1:37pm
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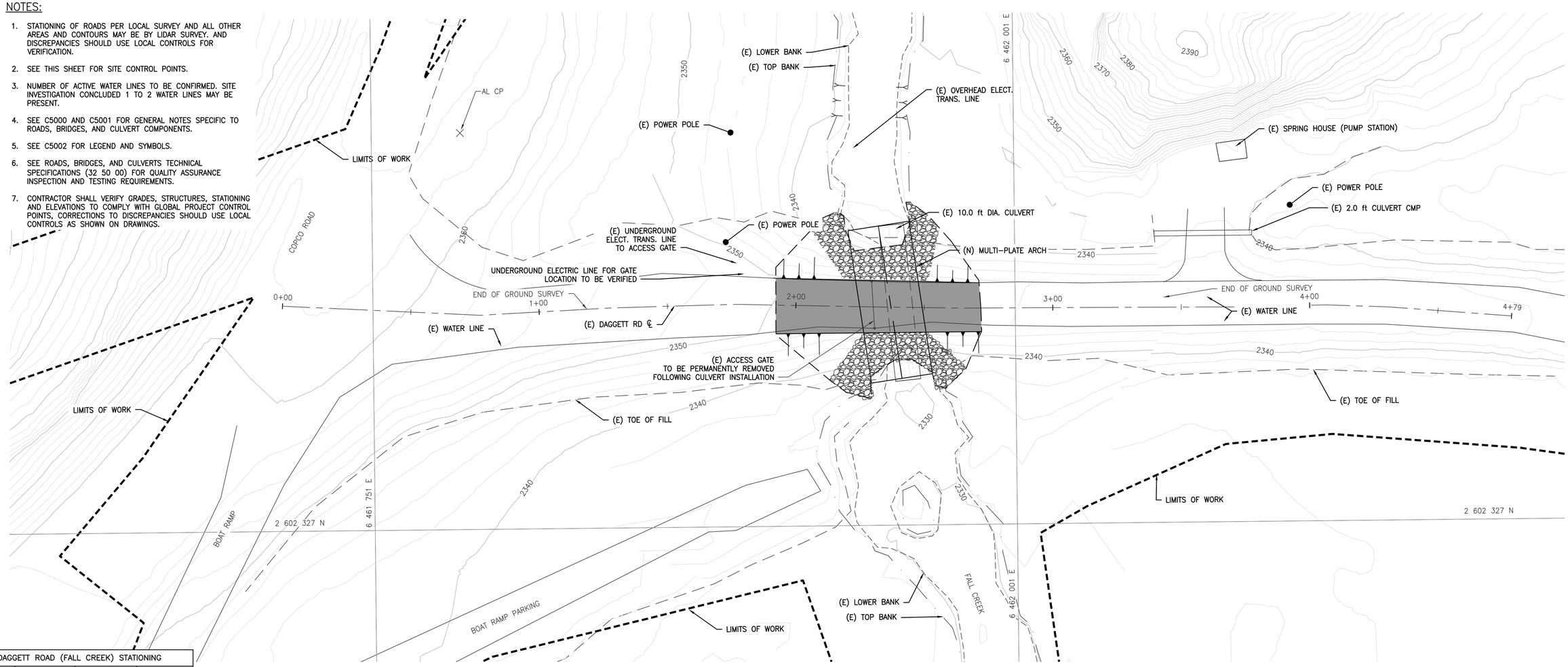
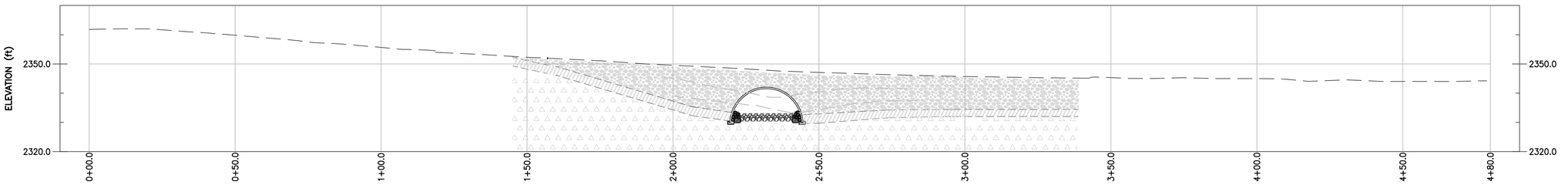
NOTES:

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. 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.



PLAN
1" = 20'

DAGGETT ROAD (FALL CREEK) STATIONING			
STATION/ID	EASTING	NORTHING	ELEVATION
0+00	6461715.4	2602399.9	2361.8
0+50.00	6461765.4	2602410.8	2359.8
1+00.00	6461815.4	2602410.3	2355.3
1+50.00	6461870.8	2602411.9	2352.5
2+00.00	6461915.3	2602411.8	2349.5
2+50.00	6461965.3	2602410.4	2347.1
3+00.00	6462015.3	2602409.9	2345.7
3+50.00	6462065.3	2602409.6	2345.3
4+00.00	6462115.3	2602409.8	2345.0
4+50.00	6462165.2	2602407.2	2344.0
4+79.00	6462193.8	2602404.8	2344.2
AL CP	6461786.1	2602481.0	2362.7



PROFILE
1" = 20'

0 20 40 60
1" = 20'

L. Joey Howard
Digitally signed by L. Joey Howard
Date: 2022.05.27 13:50:07 -07'00'
REGISTERED PROFESSIONAL ENGINEER
L. JOEY J. HOWARD
No. 53319
Exp. 06-30-23
CIVIL
STATE OF CALIFORNIA

Digitally signed by Charles P. Schlumpberger
DN: C=US, E=cschlumpberger@kiewit.com, O=Kiewit Corporation, CN=Charles P. Schlumpberger
Date: 2022.05.27 13:50:07 -07'00'
REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

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

PREPARED BY: Knight Piésold CONSULTING; Kiewit

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

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT
PROJ # VA103-640/1
DATE 05/27/2022
SHEET TITLE: FALL CREEK CULVERT (DAGGETT ROAD) GENERAL ARRANGEMENT
DWG C5400

PCUser May 26, 2022 - 4:36pm
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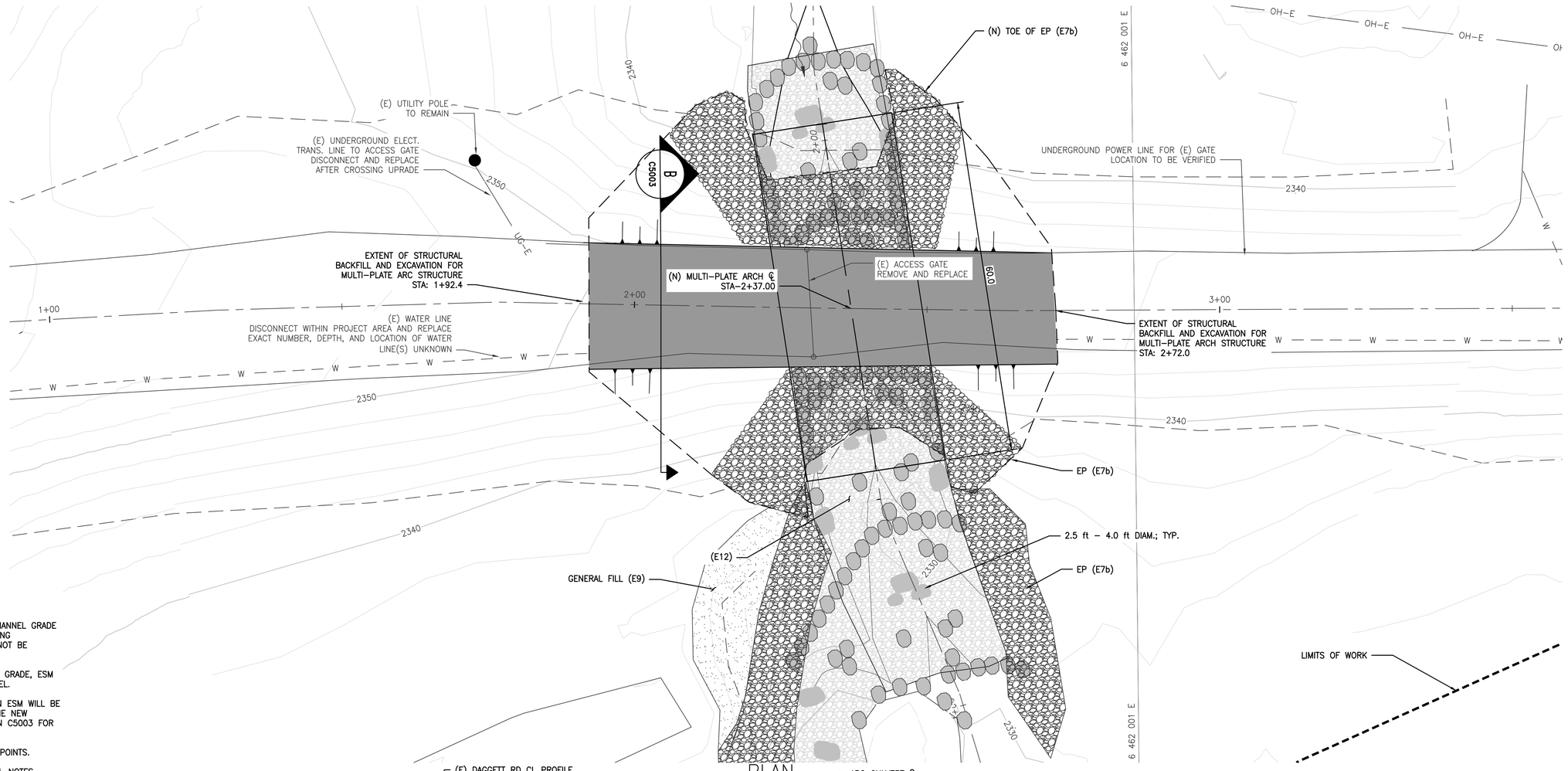
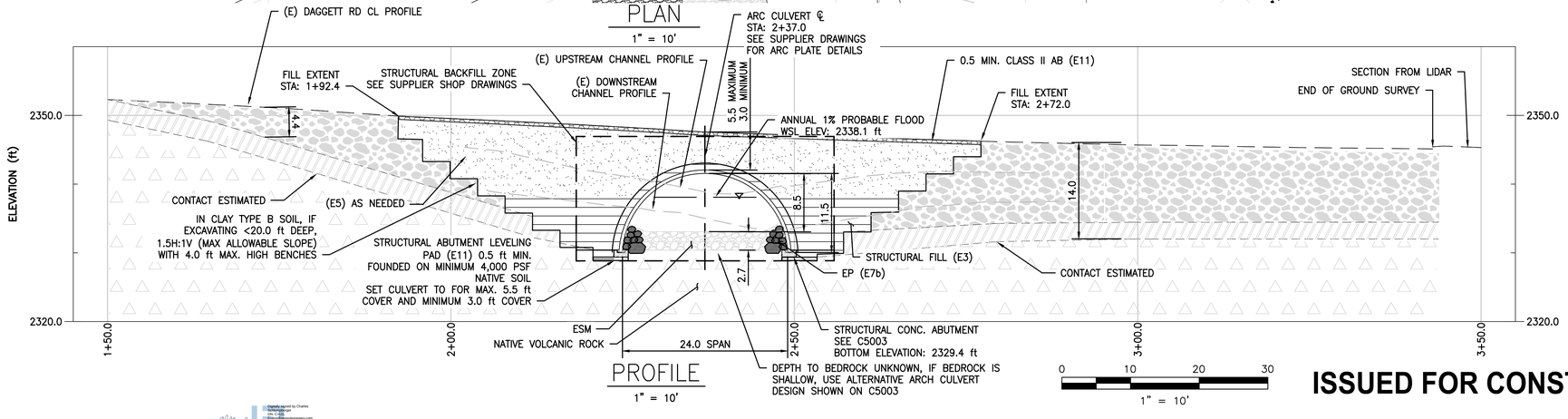


PLAN
1" = 10'



PROFILE
1" = 10'

NOTES:

1. DEPTH TO ROCK UNKNOWN, FINAL CHANNEL GRADE AND TYPE WILL BE DETERMINED DURING CONSTRUCTION, NEW CHANNEL WILL NOT BE EXCAVATED INTO ROCK SEE C5003.
2. IF ROCK IS FOUND AT NEW CHANNEL GRADE, ESM WILL NOT BE NEEDED IN THE CHANNEL.
3. IF NEW CHANNEL IS NOT ROCK, THEN ESM WILL BE USED TO LINE CHANNEL THROUGH THE NEW CULVERT, SEE ALTERNATIVE DETAIL ON C5003 FOR ROCK EXCAVATION DETAILS.
4. SEE THIS SHEET FOR SITE CONTROL POINTS.
5. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES, AND CULVERT COMPONENTS.
6. SEE C5002 FOR LEGEND AND SYMBOLS.
7. SEE ROADS, BRIDGES, AND CULVERTS TECHNICAL SPECIFICATIONS (32 50 00) FOR QUALITY ASSURANCE INSPECTION AND TESTING REQUIREMENTS.
8. 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.

L. Joey Howard
Digitally signed by L. Joey Howard
Date: 2022.05.27 12:39:48 -07'00'
REGISTERED PROFESSIONAL ENGINEER L EDWARD J. HOWARD No. 53319 Exp. 06-30-23 CIVIL STATE OF CALIFORNIA

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

REGISTERED PROFESSIONAL ENGINEER CHARLES P. SCHLUMPBERGER No. C50456 Exp. 6-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

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

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT
PROJ # VA103-640/1
DATE 05/27/2022
SHEET TITLE: FALL CREEK CULVERT (DAGGETT ROAD) PLAN, PROFILE, AND SECTION
DWG C5401

PCUser May 26, 2022 - 4:39pm
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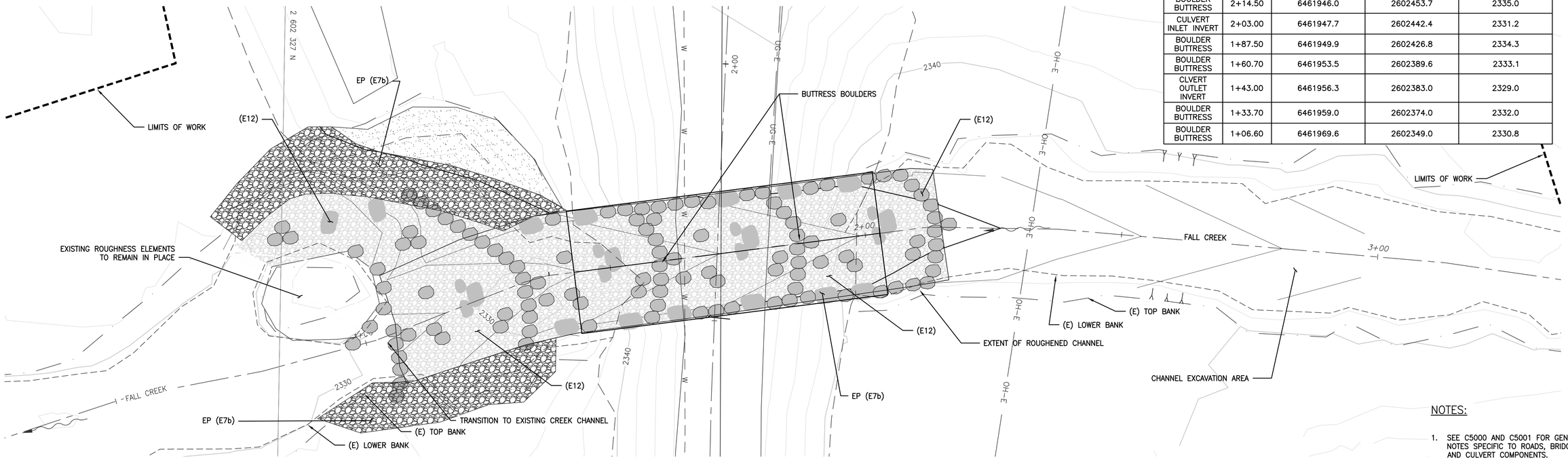
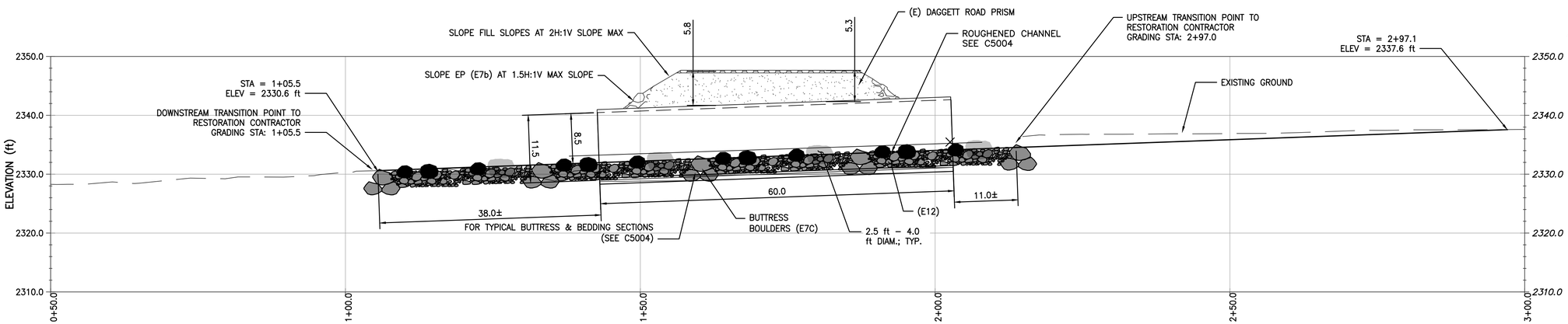
FALL CREEK ROUGHENED CHANNEL STATIONING				
FEATURE	STATION	EASTING	NORTHING	ELEVATION
CHANNEL START	2+97.10	6461951.3	2602537.1	2337.6
CHANNEL STA	2+50.0	6461948.0	2602490.1	2335.9
BOULDER BUTTRESS	2+14.50	6461946.0	2602453.7	2335.0
CULVERT INLET INVERT	2+03.00	6461947.7	2602442.4	2331.2
BOULDER BUTTRESS	1+87.50	6461949.9	2602426.8	2334.3
BOULDER BUTTRESS	1+60.70	6461953.5	2602389.6	2333.1
CLVERT OUTLET INVERT	1+43.00	6461956.3	2602383.0	2329.0
BOULDER BUTTRESS	1+33.70	6461959.0	2602374.0	2332.0
BOULDER BUTTRESS	1+06.60	6461969.6	2602349.0	2330.8



PLAN
1" = 10'



PROFILE
1" = 10'

0 10 20 30
1" = 10'

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.

L. Joey Howard
Digitally signed by L. Joey Howard
Date: 2022.05.27 13:58:45 -07'00'

REGISTERED PROFESSIONAL ENGINEER
LEONARD J. HOWARD
No. 53319
Exp. 06-30-23
CIVIL
STATE OF CALIFORNIA

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT	KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE	FALL CREEK CULVERT (DAGGETT ROAD) CHANNEL ALIGNMENT PLAN AND PROFILE
PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5402

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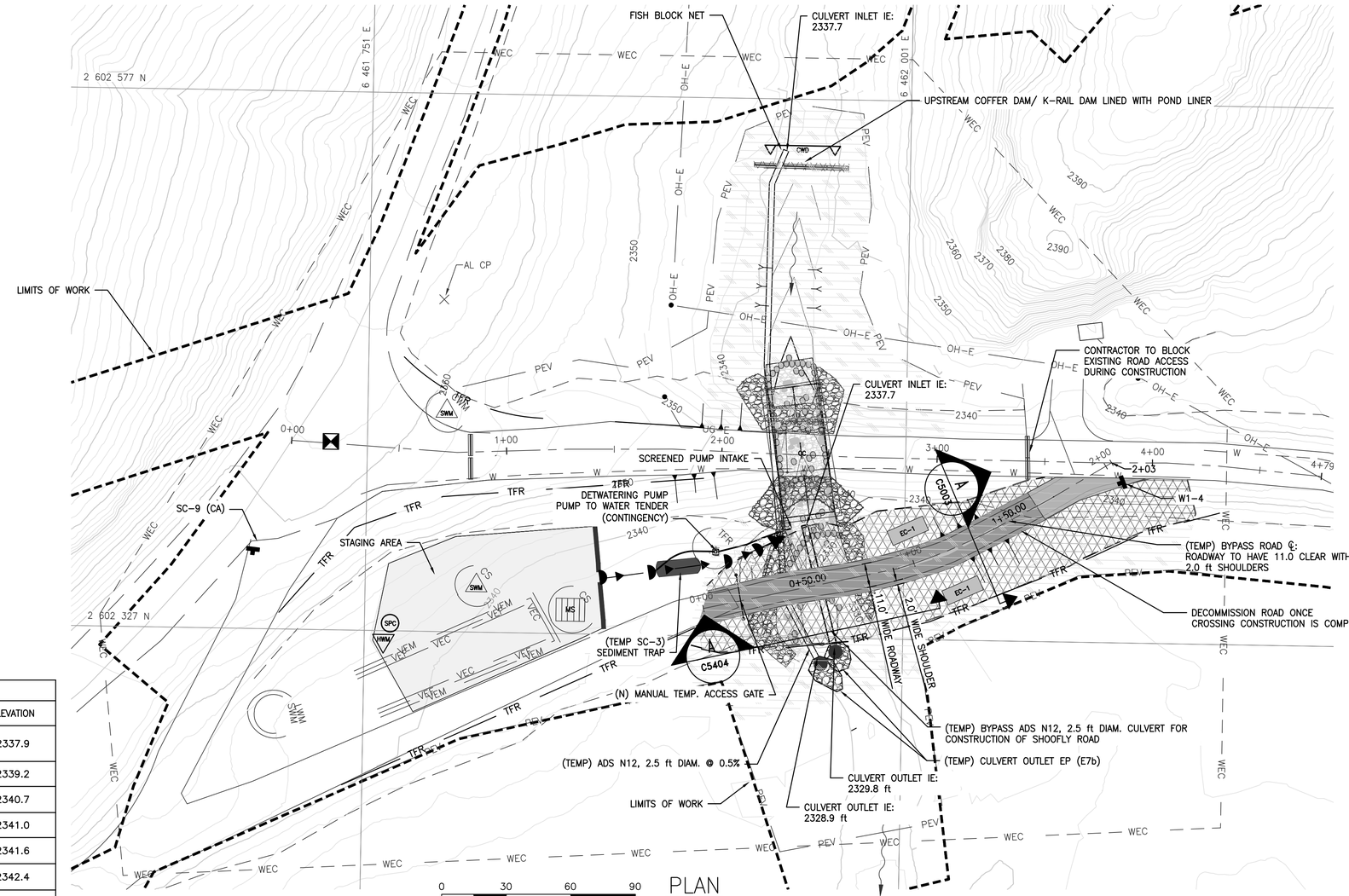
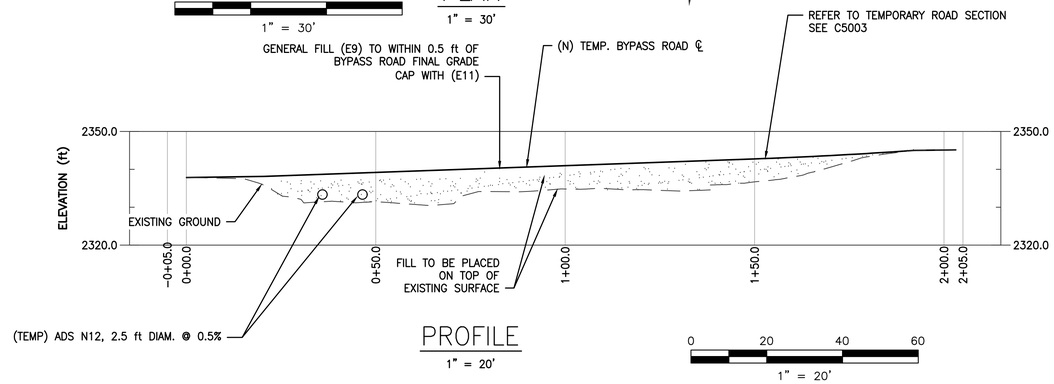


0 30 60 90

1" = 30'

PLAN

1" = 30'



PROFILE

1" = 20'

0 20 40 60

1" = 20'

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 ℄	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

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

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

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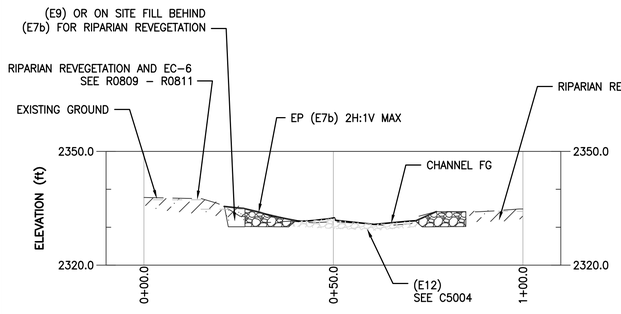
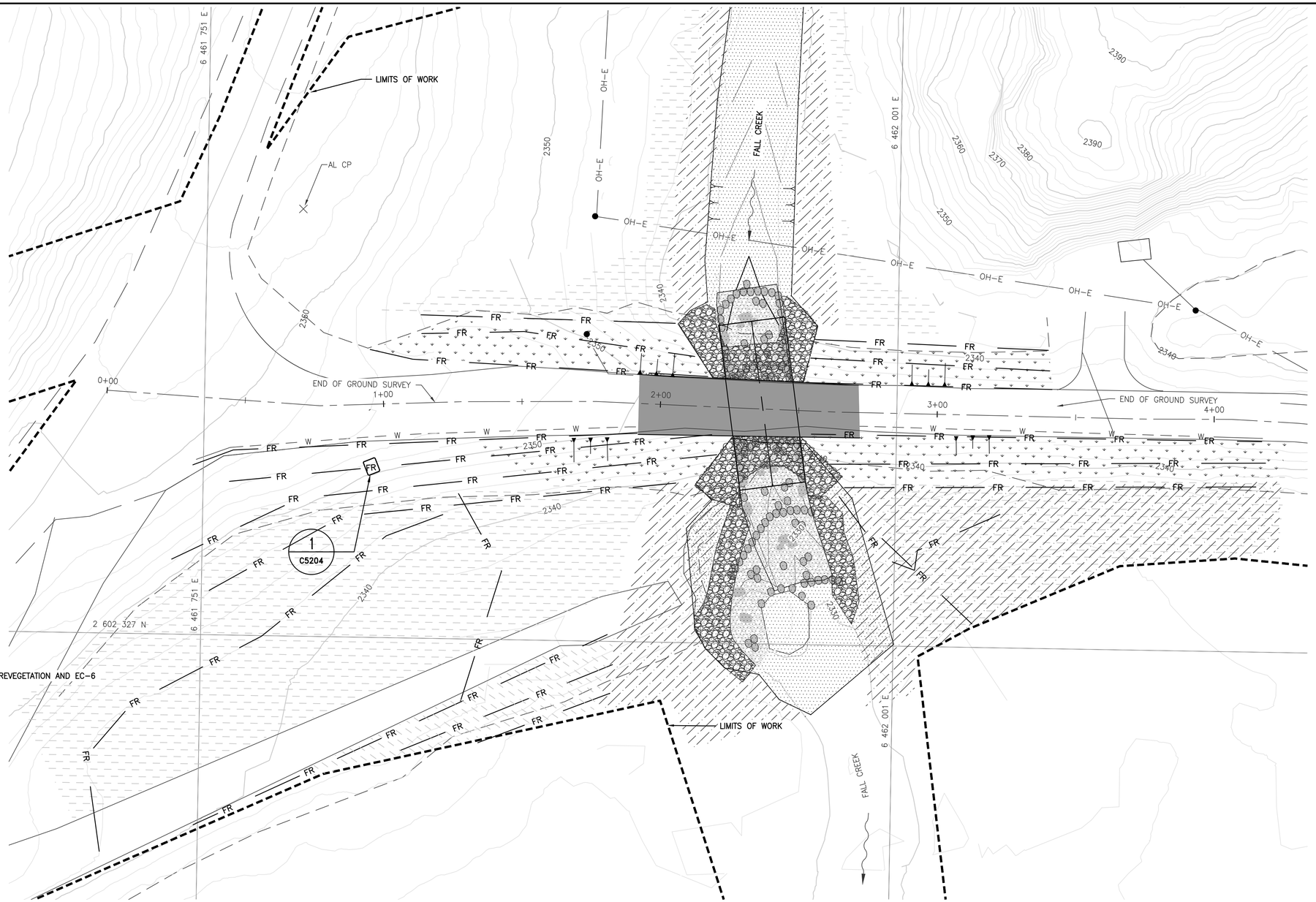
N

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.



A – SECTION CHANNEL FINAL GRADE
1" = 20'



PLAN
1" = 20'

0 20 40 60
1" = 20'

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

REGISTERED PROFESSIONAL ENGINEER
CHARLES P. SCHLUMPBERGER
No. C50456
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
PKS Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT
KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE
FALL CREEK CULVERT (DAGGETT ROAD)
FINAL EROSION AND SEDIMENT CONTROL PLAN

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C5404

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