EXHIBIT A

100% FINAL Design Drawings_Civil_Copco No. 2 (Dec2022) (CEII)

CRITICAL ENERGY/ELECTRIC INFRASTRUCTURE INFORMATION (CEII)

FOLLOWING DRAWINGS REDACTED IN ENTIRETY

C3056, C3057, C3200, C3201, C3210, C3211, C3216, C3217, C3220, C3232, C3233, C3235, C3330, C3331, C3332, C3334, C3340, C3360, C3401, C3510, C3511, C3530, C3531, C3532, C3533, C3534, C3600, 3601, C3605, C3606, C3624

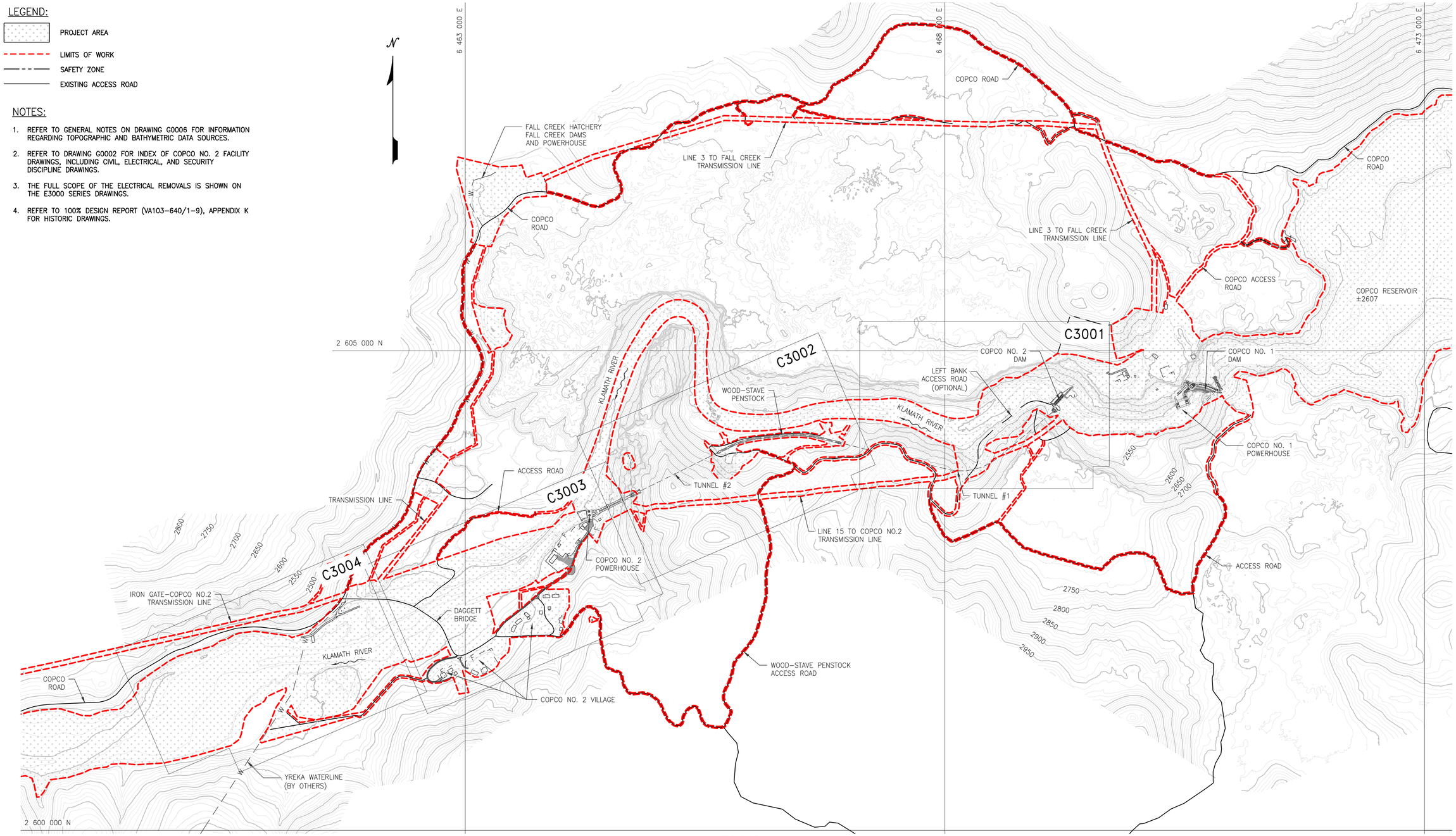
The redacted material qualifies as CEII pursuant to the Commission's rules because it contains sensitive dam safety and construction information that (a) relates details about the production, generation, transmission, or distribution of energy, (b) could be useful to a person planning an attack on critical 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.

LEGEND:

- PROJECT AREA
- LIMITS OF WORK
- SAFETY ZONE
- EXISTING ACCESS ROAD

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. REFER TO DRAWING G0002 FOR INDEX OF COPCO NO. 2 FACILITY DRAWINGS, INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
3. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E3000 SERIES DRAWINGS.
4. REFER TO 100% DESIGN REPORT (VA103-640/1-9), APPENDIX K FOR HISTORIC DRAWINGS.



PLAN

1" = 500'

0 500 1000 1500

1" = 500'

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	HE	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
ELMER HARVEY ELWIN
No. C 22965
Exp. 12-31-23
CIVIL
STATE OF CALIFORNIA

Digitally signed by E. Harvey Elwin
DN: cn=E. Harvey Elwin, o=Knight Piésold Co., ou=Knight Piésold Co., email=helwin@kp.com, c=US
Date: 2022.05.27 10:46:19 -07'00'

PREPARED BY
Knight Piésold CONSULTING
Kiewit

DESIGNED	C. VOS
DRAWN	S. CHIZAR
REVIEWED	H. ELWIN
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT
KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE
COPCO NO. 2 FACILITY
PROJECT OVERVIEW AND LIMITS OF WORK
KEY MAP

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3000

schizar May 26, 2022 - 3:13pm
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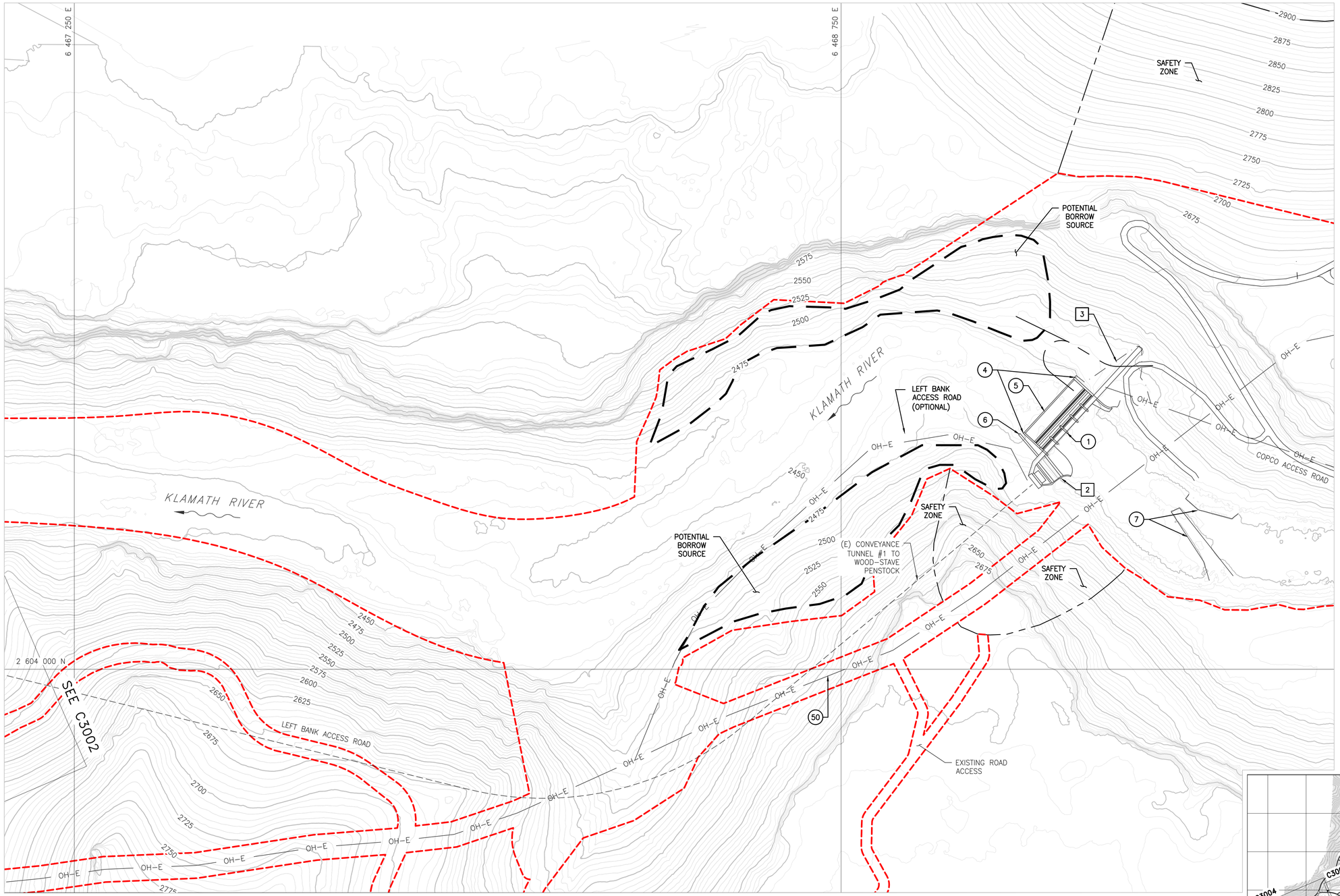


PLAN
1" = 100'

LEGEND:

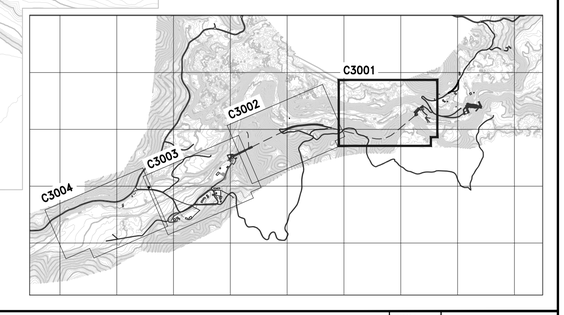
- TO BE REMOVED
- TO BE MODIFIED
- LIMITS OF WORK
- SAFETY ZONE LIMITS
- OH-E — EXISTING OVERHEAD TRANSMISSION LINE
- BORROW SOURCE LIMITS
- ACCESS ROAD LIMITS

1. COPCO NO. 2 CONCRETE DIVERSION DAM SPILLWAY (C3200)
2. COPCO NO. 2 INTAKE STRUCTURE (C3232)
3. COPCO NO. 2 EARTH EMBANKMENT (C3220)
4. COPCO NO. 2 RIGHT AND LEFT ABUTMENT RETAINING WALL (C3220)
5. COPCO NO. 2 SPILLWAY APRON (C3220)
6. COPCO NO. 2 CORRUGATED METAL HALF-PIPE (C3216)
7. HISTORIC DIVERSION DAM (C3240)
50. LINE 15 TO COPCO NO.2 SUBSTATION TRANSMISSION LINE (E2023)

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. REFER TO DRAWING G0002 FOR INDEX FOR COPCO NO. 2 FACILITY DRAWINGS INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
3. THE FULL SCOPE OF ELECTRICAL REMOVALS IS SHOWN ON THE E3000 SERIES DRAWINGS.
4. REFER TO 100% DESIGN REPORT (VA103-640/1-9), APPENDIX K FOR HISTORIC DRAWINGS.

0 100 200 300
1" = 100'



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	HE	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 — No. C 22965 Exp. 12-31-23 — CIVIL — STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

DESIGNED	C. VOS
DRAWN	S. CHIZAR
REVIEWED	H. ELWIN
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY PROJECT OVERVIEW AND LIMITS OF WORK (SHEET 1 OF 4)

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3001

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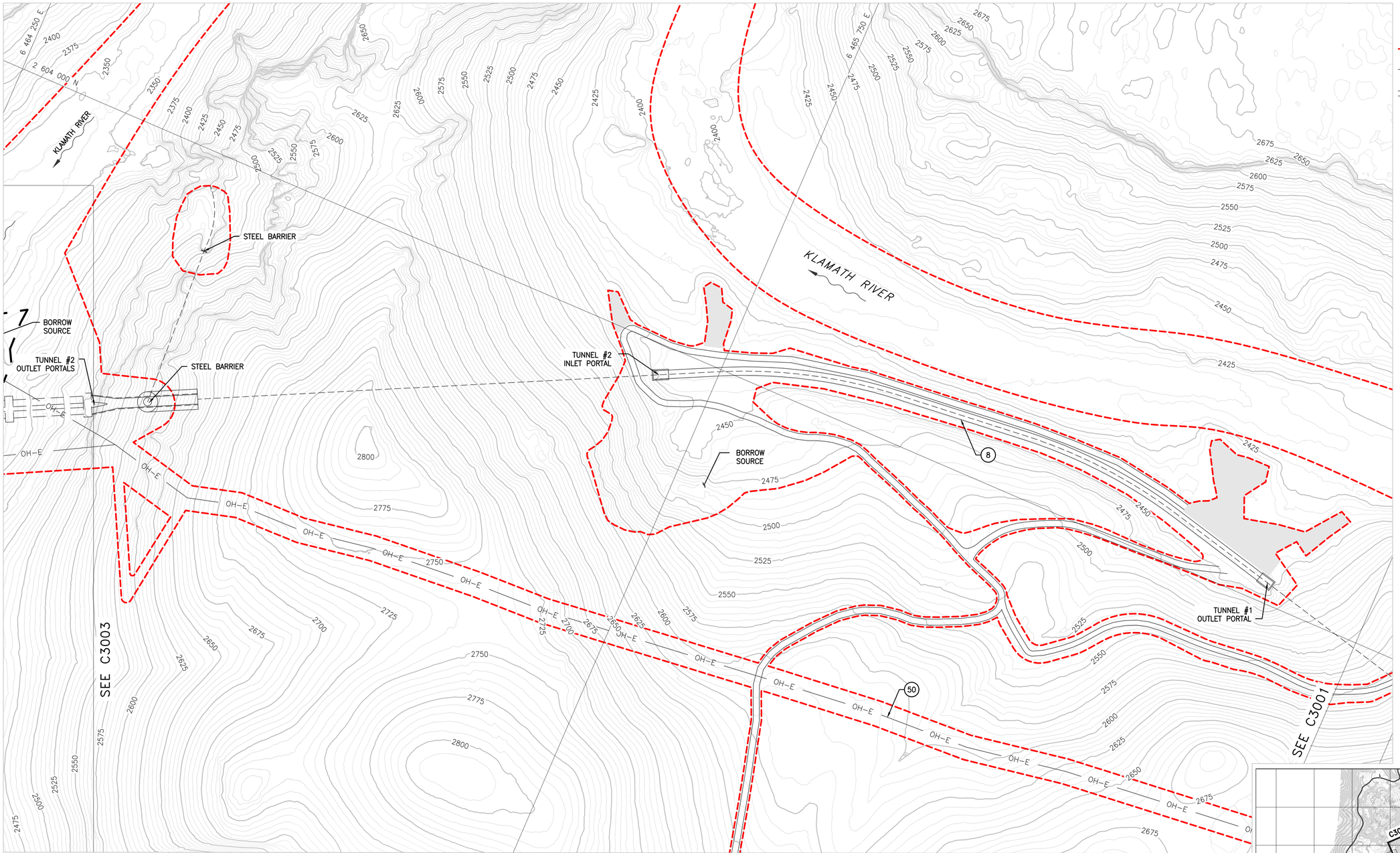


PLAN
1" = 100'

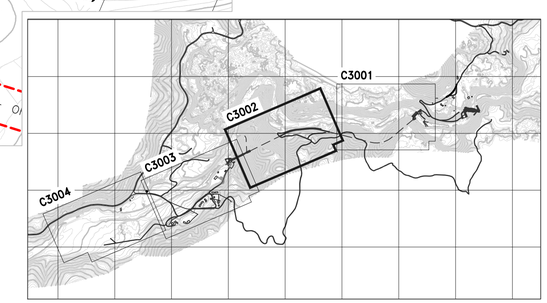
LEGEND:

- TO BE REMOVED
- LIMITS OF WORK
- OH-E — EXISTING OVERHEAD TRANSMISSION LINE
- ACCESS ROAD LIMITS
- STAGING AREA
- (8) WOOD-STAVE PENSTOCK (C3300 & C3303)
- (50) LINE 15 TO COPCO NO.2 SUBSTATION TRANSMISSION LINE (E2023)

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. REFER TO DRAWING G0002 FOR INDEX FOR COPCO NO. 2 FACILITY DRAWINGS INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
3. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E3000 SERIES DRAWINGS.
4. REFER TO 100% DESIGN REPORT (VA103-640/1-9), APPENDIX K FOR HISTORIC DRAWINGS.

0 100 200 300
1" = 100'



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	HE	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 — ELMER E. HARVEY — No. C 22965 Exp. 12-31-23 — CIVIL — STATE OF CALIFORNIA

Digitally signed by E. Harvey
DN: C=US, O=Knight Piésold and Co., CN=Elmer E. Harvey, E=eharvey@kpcons.com
Reason: I am the author of this document
Location: Denver, Colorado
Date: 2022-05-26 15:30:00-06'00'

PREPARED BY: Knight Piésold CONSULTING; Kiewit

DESIGNED	C. VOS
DRAWN	S. CHIZAR
REVIEWED	H. ELWIN
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY PROJECT OVERVIEW AND LIMITS OF WORK (SHEET 2 OF 4)

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3002

schizar May 26, 2022 - 3:22pm
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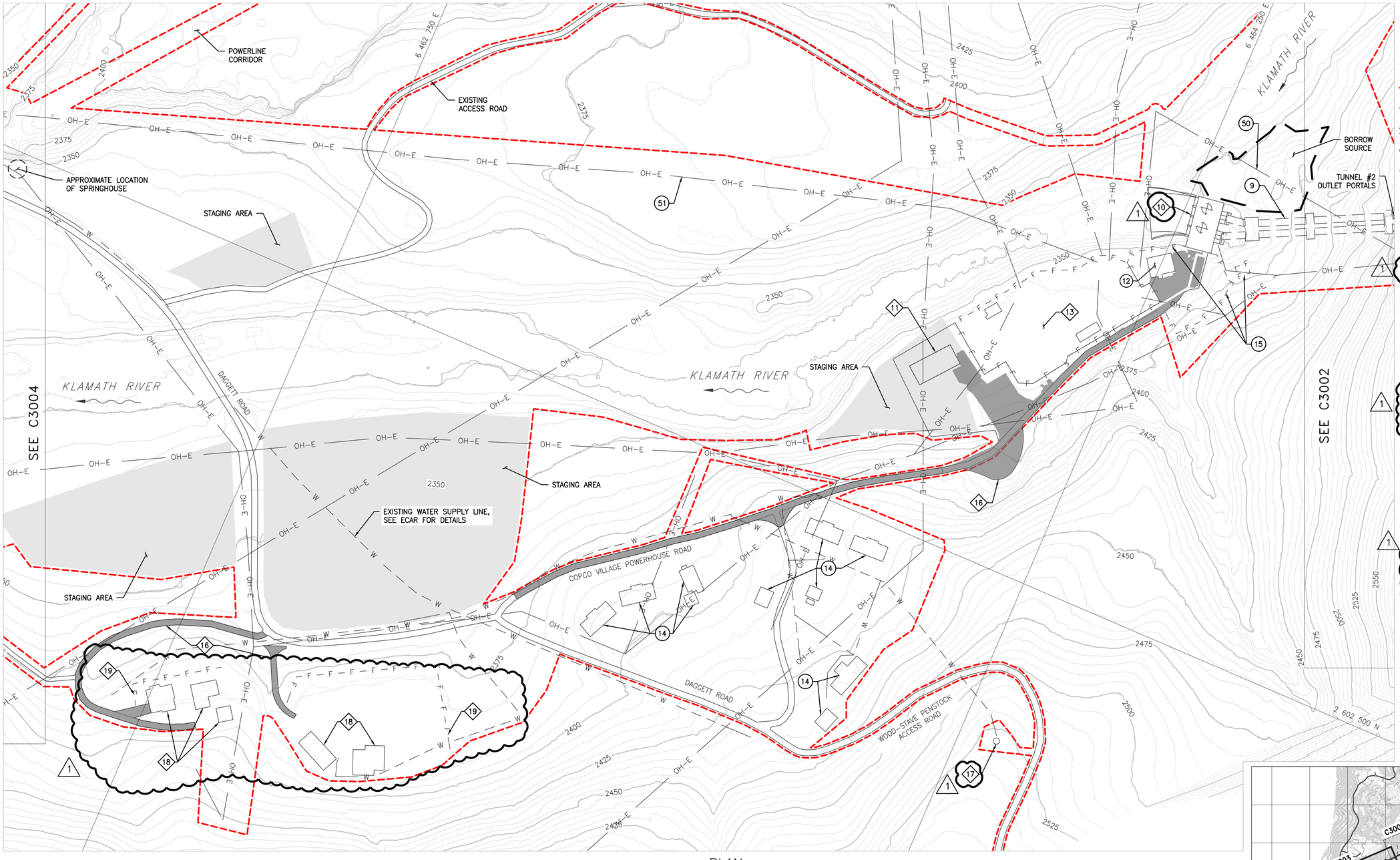


PLAN
1" = 100'

LEGEND:

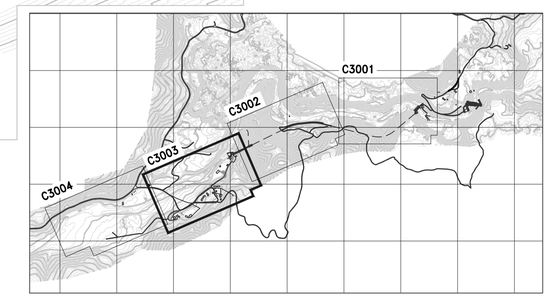
- TO BE REMOVED
- TO BE MODIFIED
- TO BE PROTECTED (1)
- LIMITS OF WORK
- OH-E — EXISTING OVERHEAD TRANSMISSION LINE
- ACCESS ROAD LIMITS
- BORROW SOURCE LIMITS
- W — WATER SUPPLY EXISTING
- STAGING AREA
- EXISTING ASPHALT

9 COPCO NO. 2 PENSTOCKS (C3330–C3334)
10 COPCO NO. 2 POWERHOUSE (C3400–C3401)
11 COPCO NO. 2 MAINTENANCE BUILDING
12 COPCO NO. 2 CONTROL CENTER BUILDING
13 COPCO NO. 2 SWITCHYARD (E3032–E3035)
14 COPCO VILLAGE BUILDINGS AND BUNKHOUSE
15 FENCE
16 ASPHALT PAVEMENT
17 WATER TOWER
18 COPCO VILLAGE BUILDINGS AND SCHOOLHOUSE
19 COPCO VILLAGE FENCE
50 LINE 15 TO COPCO NO.2 SUBSTATION TRANSMISSION LINE (E2023)
51 IRON GATE–COPCO NO.2 TRANSMISSION LINE (E3022–E3023)

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. REMOVE IDENTIFIED COPCO VILLAGE BUILDINGS AND ASSOCIATED ABOVE GROUND UTILITIES WITHIN LIMITS OF WORK. CONTRACTOR TO FIELD VERIFY UTILITIES PRIOR TO REMOVAL. CONTRACTOR TO COORDINATE WITH KRRC TO DEVELOP CLOSURE AND HANDOVER REQUIREMENTS FOR COPCO NO. 2 VILLAGE BUILDINGS AND UTILITY SERVICES THAT ARE TO REMAIN IN PLACE.
3. REFER TO DRAWING G0002 FOR INDEX FOR COPCO NO. 2 FACILITY DRAWINGS INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
4. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E3000 SERIES DRAWINGS.
5. REFER TO 100% DESIGN REPORT (VA103–640/1–9), APPENDIX K HISTORIC DRAWINGS.

0 100 200 300
1" = 100'



REGISTERED PROFESSIONAL ENGINEER
ELMER HARVEY ELWYN
E No. C 22965
Exp. 12-31-23
CIVIL
STATE OF CALIFORNIA

Digitally signed by E. Harvey Elwyn
DN: C=US, O=Knight Piésold and Co., OU=Kiewit, CN=E. Harvey Elwyn, Reason: I am approving this document
Date: 2022.12.22 16:18:57-06'00'

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
1	BUILDING/STRUCTURE REMOVAL AND NOTE 2 REVISED	CAV	HE	SRM	12/21/22
0	ISSUED FOR CONSTRUCTION	CAV	HE	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: C. VOS
DRAWN: S. CHIZAR
REVIEWED: H. ELWIN
IN CHARGE: N. BISHOP
APPROVED: S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY PROJECT OVERVIEW AND LIMITS OF WORK (SHEET 3 OF 4)

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3003

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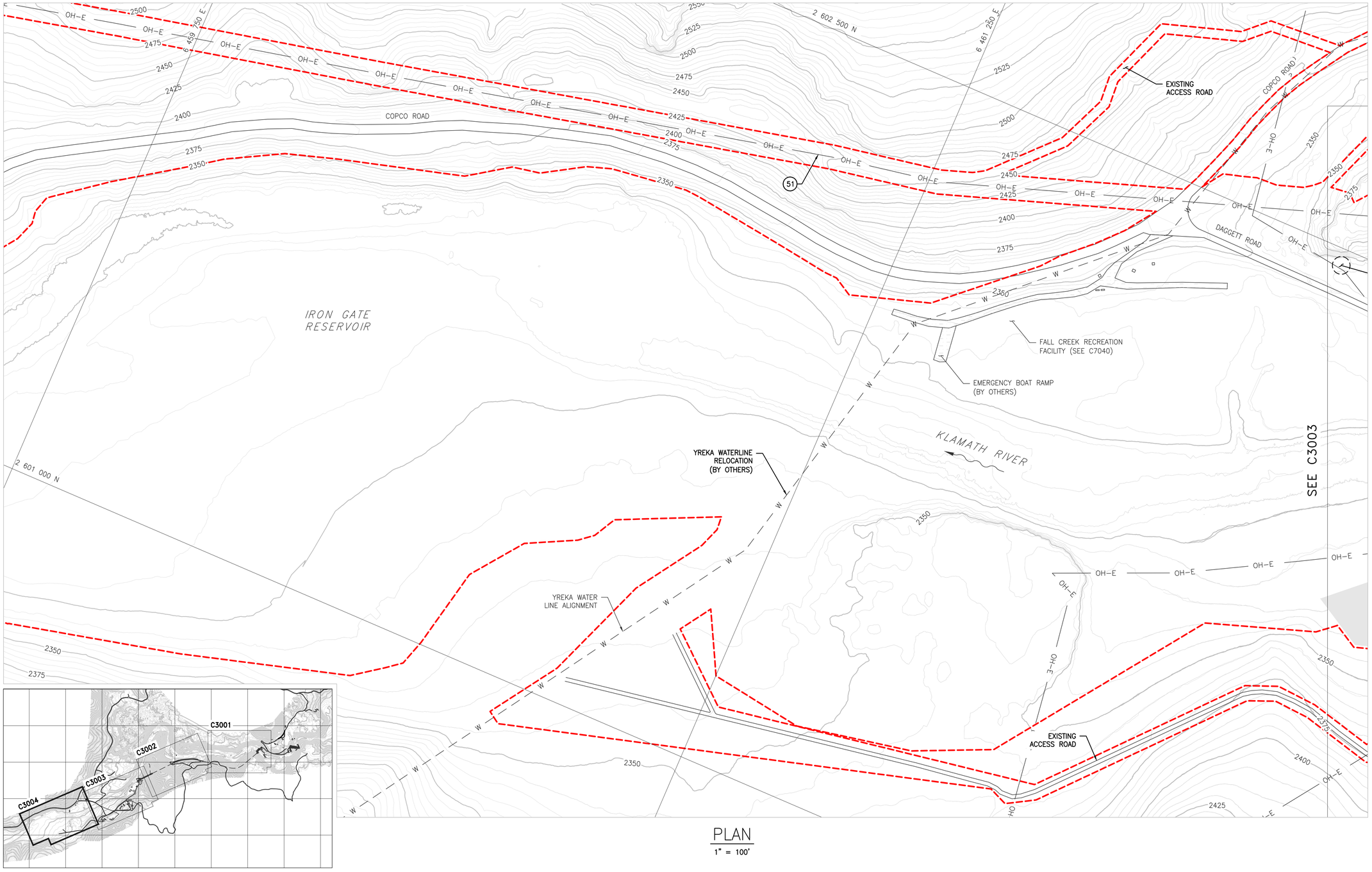

PLAN
1" = 100'

LEGEND:

- TO BE REMOVED
- LIMITS OF WORK
- OH-E — EXISTING OVERHEAD TRANSMISSION LINE
- W — WATER LINE
- ACCESS ROAD LIMITS
- STAGING AREA
- EXISTING ASPHALT
- (51) IRON GATE–COPCO NO.2 TRANSMISSION LINE (E3022–E3023)

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. REFER TO DRAWING G0002 FOR INDEX FOR COPCO NO. 2 FACILITY DRAWINGS INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
3. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E3000 SERIES DRAWINGS.
4. REFER TO 100% DESIGN REPORT (VA103–640/1–9), APPENDIX K HISTORIC DRAWINGS.

0 100 200 300
1" = 100'

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	HE	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 — E. HARVEY ELWIN — No. C 22965 Exp. 12-31-23 — CIVIL — STATE OF CALIFORNIA

Digitally signed by E. Harvey Elwin
DN: cn=E. Harvey Elwin, o=Knight Piésold Consulting Inc., ou=Mining Division, email=helwin@kpcg.com, c=US
Date: 2022.05.27 15:47:07 -07'00'

PREPARED BY: Knight Piésold CONSULTING / Kiewit

DESIGNED	C. VOS
DRAWN	A. TSENG
REVIEWED	H. ELWIN
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY PROJECT OVERVIEW AND LIMITS OF WORK (SHEET 4 OF 4)

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C3004

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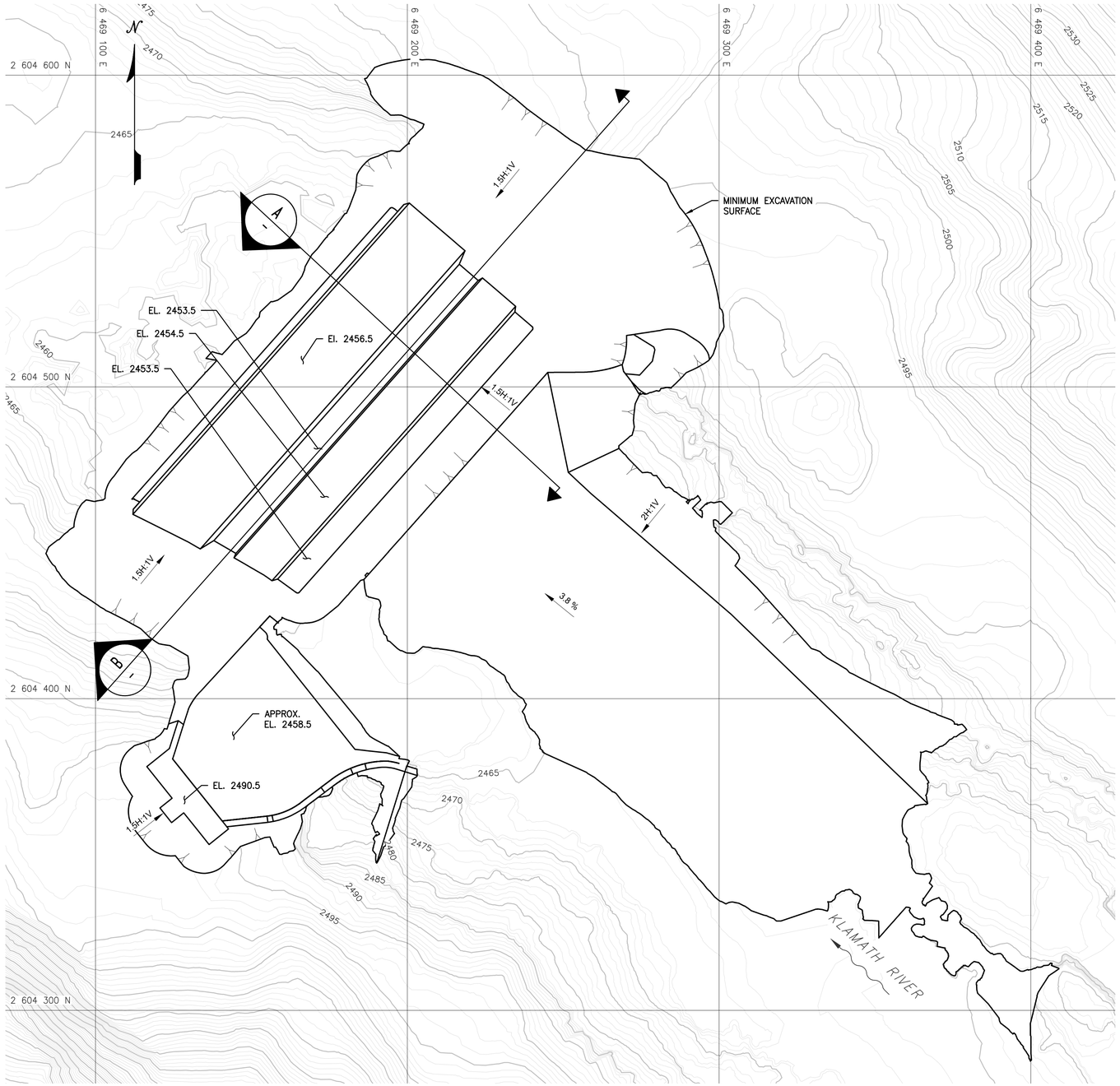
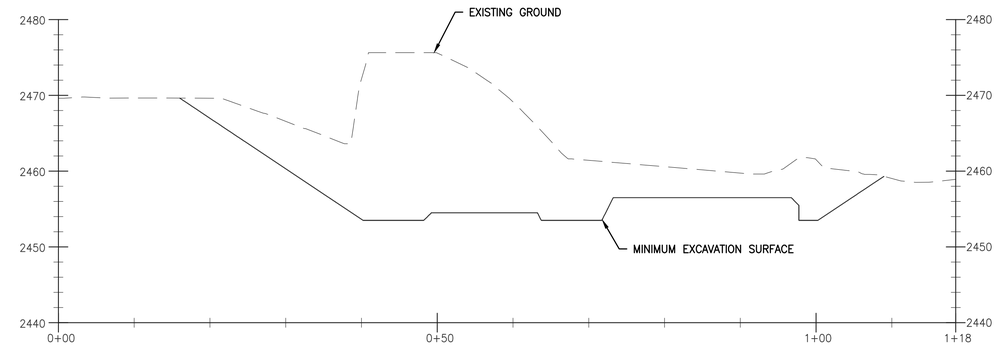


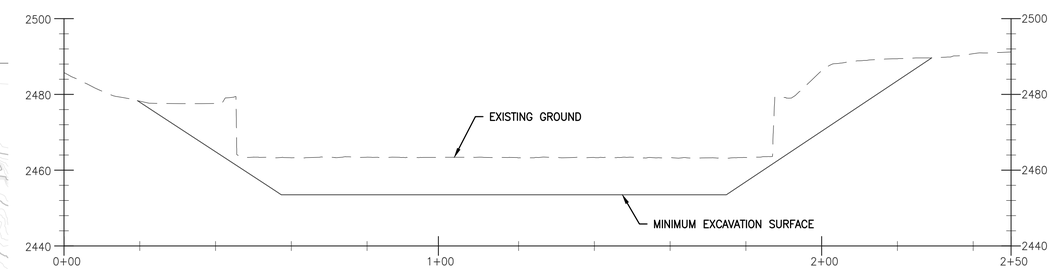
PLAN
1" = 20'

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. CONCRETE RUBBLE TO BE DISPOSED OF IN COPCO NO. 1 DISPOSAL SITE OR COPCO NO. 2 INTAKE STRUCTURE. NATIVE RIVER MATERIAL REMOVED THROUGH EXCAVATION OF DAM TO BE USED FOR BACKFILLING RIVER CHANNEL, SEE DRAWING C3234 FOR SPECIFICATIONS.
3. DIVERSION DAM LOCATION IS APPROXIMATE AND MAY VARY. CONTRACTOR SHALL LOCATE STRUCTURE EXTENTS PRIOR TO REMOVAL.
4. EXCAVATION SLOPES TO BE VERIFIED BY THE ENGINEER. EXCAVATION IN AREAS WITH SATURATED SOILS OR WITH SIGNIFICANT SEEPAGE MAY REQUIRE REDUCED SLOPE ANGLES AND/OR DEWATERING.



A SECTION
1" = 10'



B SECTION
1" = 20'

ISSUED FOR CONSTRUCTION

0 20 40 60
1" = 20'
0 10 20 30
1" = 10'

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	SY	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 SALINA YONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

DESIGNED	C. VOS
DRAWN	A. NASIRI
REVIEWED	S. YONG
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT
KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE
COPCO NO. 2 FACILITY
DIVERSION DAM REMOVAL
EXCAVATION PLAN

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3221

anasiri May 19, 2022 - 4:28pm
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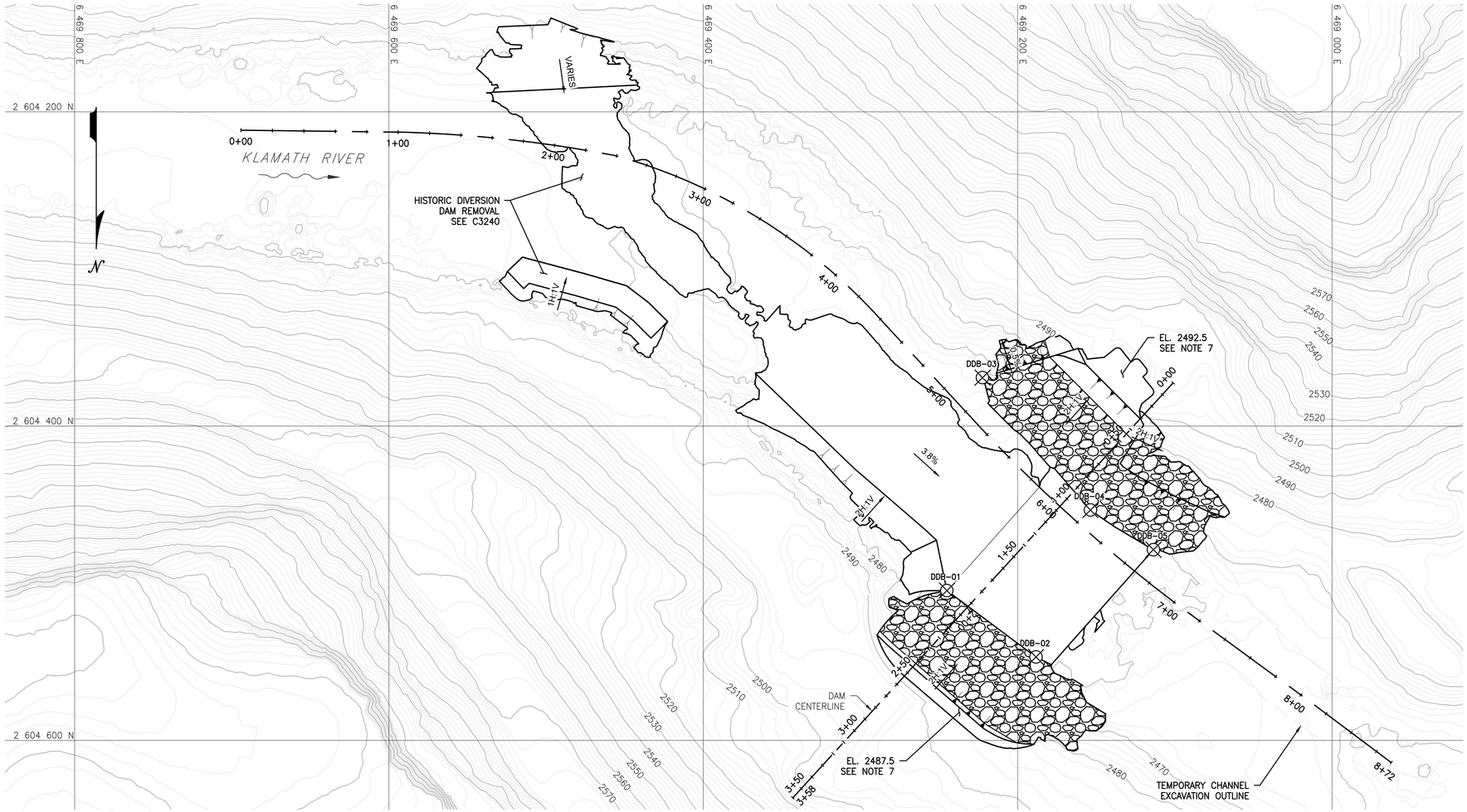
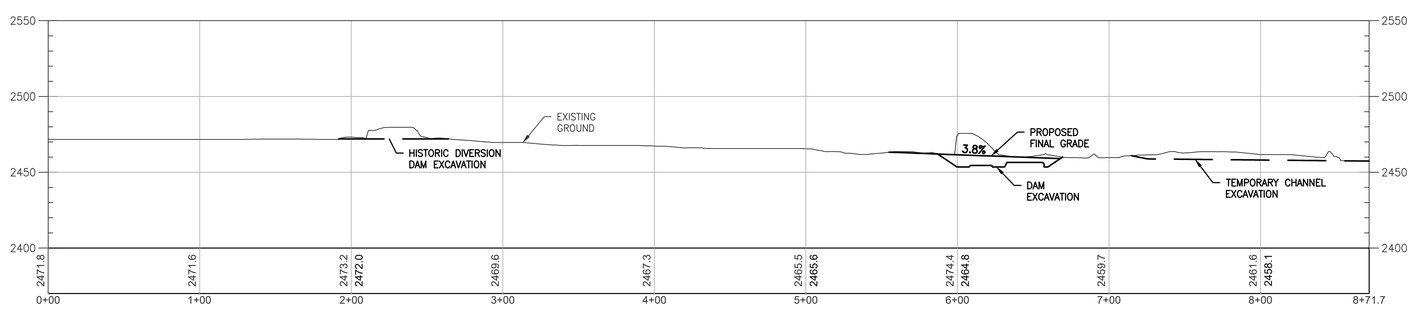


PLAN

1" = 40'



PROFILE

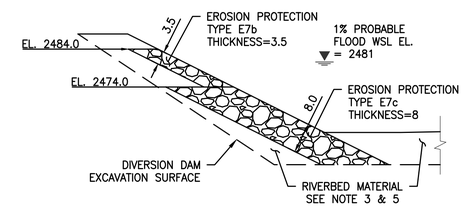
1" = 50'

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. THE RIVER CHANNEL SHALL BE BACKFILLED TO THE EXTENTS SHOWN WITH RIVERBED MATERIAL, EXCEPT FOR AREAS THAT ARE SPECIFIED AS EROSION PROTECTION. RIVERBED MATERIAL MAY BE INTERMIXED WITH THE CONCRETE RUBBLE STORED IN THE INTAKE STRUCTURE AT THE DISCRETION OF THE CONTRACTOR, SEE DRAWING C3232.
3. MATERIAL STOCKPILED ON THE RIGHT BANK UPSTREAM OF THE COPCO NO. 1 DAM ORIGINATES FROM THE HISTORIC COPCO NO. 1 DAM EXCAVATION AND IS ASSUMED TO BE SUITABLE FOR DIRECT PLACEMENT AS RIVERBED MATERIAL. RIVERBED MATERIAL NOT SOURCED FROM THIS AREA MUST BE WELL GRADED MATERIAL WITH AN UPPER PARTICLE SIZE OF APPROXIMATELY 36 in, AND A 15% MAXIMUM OF MATERIAL SMALLER THAN 6 in (BY VOLUME).
4. CHANNEL BACKFILL TO BE BLENDED WITH NATURAL RIVER BED AT FILL EXTENTS.
5. PRIOR TO PLACEMENT OF EROSION PROTECTION THE EXCAVATION OR PLACED SUBGRADE SURFACE SHALL BE VISUALLY FREE OF FINES TO ALLOW FOR DIRECT EROSION PROTECTION PLACEMENT.
6. EROSION PROTECTION MATERIAL SHALL BE TAMPED BY THE CONTRACTOR TO INCREASE INTERLOCK AFTER PLACEMENT.
7. SEE DRAWING C3620 FOR SURFACING REQUIREMENTS.

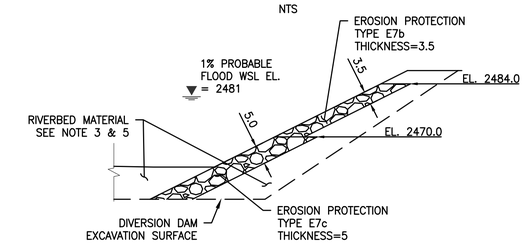
WORK POINTS TABLE

WORK POINTS	EASTING	NORTHING	ELEVATION
DDB-01	6469245.0	2604504.7	2462.0
DDB-02	6469188.3	2604546.9	2459.4
DDB-03	6469222.3	2604369.1	2466.2
DDB-04	6469153.7	2604453.4	2460.7
DDB-05	6469113.6	2604478.6	2459.0



TYPICAL LEFT BANK EROSION PROTECTION DETAIL

NTS



TYPICAL RIGHT BANK EROSION PROTECTION DETAIL

NTS

LEGEND:

EROSION PROTECTION (E7b/E7c)

0 50 100 150

1" = 50'

0 40 80 120

1" = 40'

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
1	ISSUED FOR CONSTRUCTION	CAV	SY	SRM	06/13/22
0	ISSUED FOR CONSTRUCTION	CAV	SY	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 SALINA TONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

DESIGNED: C. VOS
DRAWN: R. PENG
REVIEWED: S. YONG
IN CHARGE: N. BISHOP
APPROVED: S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY DIVERSION DAM REMOVAL CHANNEL GRADING PLAN AND PROFILE

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3234

egievarra Jun 13, 2022 - 1:51pm
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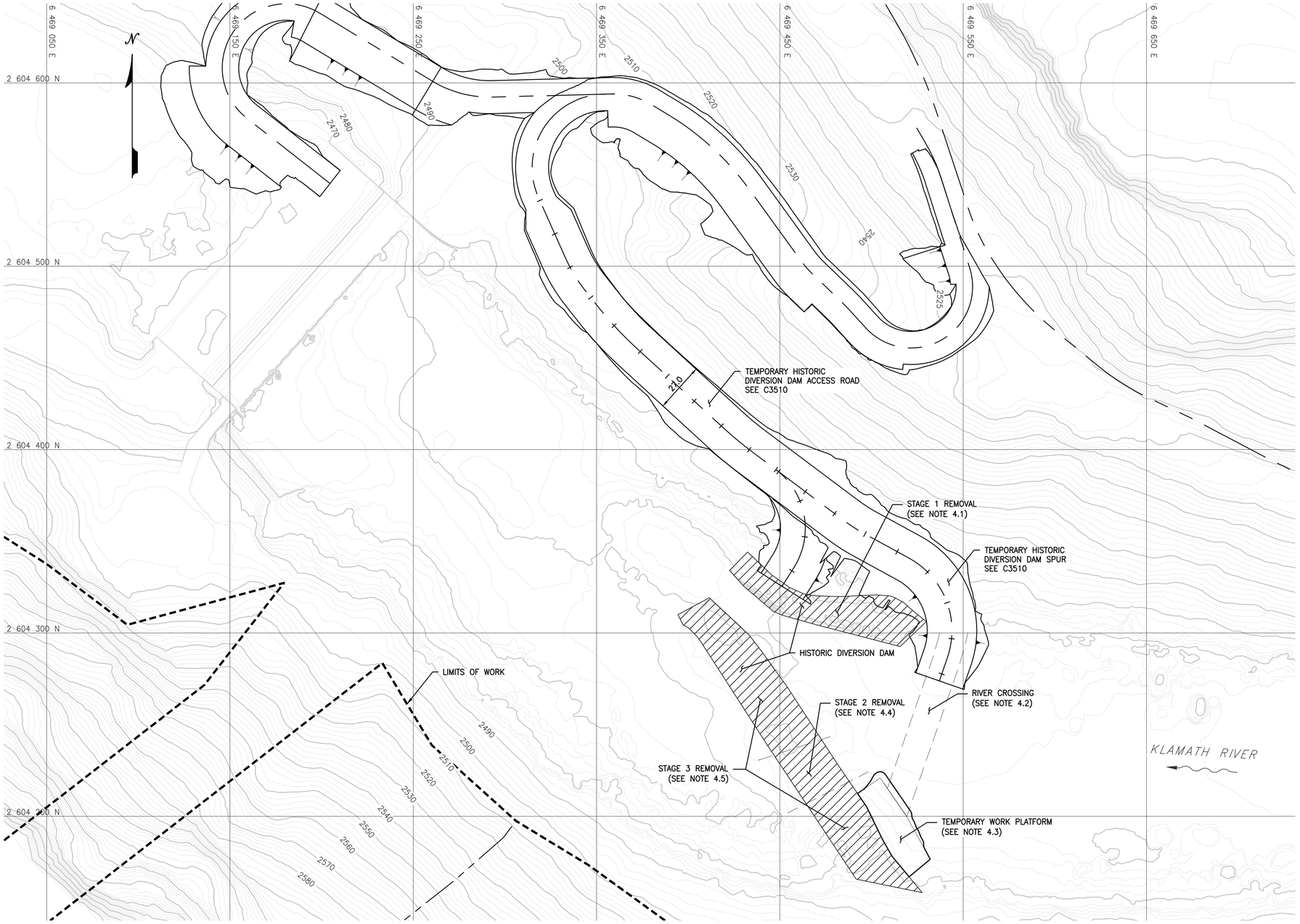

PLAN

1" = 30'

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. REMOVE HISTORIC DIVERSION DAM TO SURROUNDING NATURAL RIVER GRADE.
3. SEE CALIFORNIA OREGON POWER COMPANY COPCO NO. 2 DEVELOPMENT HISTORIC DRAWING E-3290 (DATED 05/27/24) FOR HISTORIC DIVERSION DAM DETAILS.
4. IN THE EVENT THE HISTORIC DIVERSION DAM CANNOT BE REMOVED WHEN THE COPCO NO. 2 REACH IS DEWATERED, THE FOLLOWING ALTERNATIVE REMOVAL METHOD MAY BE EMPLOYED AT THE CONTRACTORS DISCRETION:

4.1. STAGE 1 – REMOVE RIGHT BANK PORTION OF HISTORIC DIVERSION DAM FIRST TO WIDEN THE HISTORIC DIVERSION DAM OPENING AND LOWER THE RIVER LEVEL.

4.2. CONTRACTOR TO CROSS RIVER DURING LOW FLOW MONTHS. SURROUNDING MATERIAL MAY BE USED TO CREATE A PATH THROUGH THE RIVER IF DEPTH OF WATER IS TOO DEEP TO OPERATE THROUGH.

4.3. A TEMPORARY WORK PLATFORM SHALL BE CREATED FROM SURROUNDING MATERIAL AS REQUIRED BY THE CONTRACTOR.

4.4. STAGE 2 – THE PORTION OF THE HISTORIC DIVERSION DAM THAT BLOCKS THE NATURAL LOW POINT IN THE RIVERBED SHALL BE REMOVED TO PROVIDE AN ALTERNATIVE FLOW PATH FOR THE RIVER.

4.5. STAGE 3 – THE REMAINDER OF THE HISTORIC DIVERSION DAM SHALL BE REMOVED USING THE CONTRACTORS PREFERRED SEQUENCE AND HANDLING METHODOLOGY.

LEGEND:

DEMOLITION / REMOVAL

LIMITS OF WORK

ISSUED FOR CONSTRUCTION

0 30 60 90

1" = 30'

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	SY	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 SALINA YONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

DESIGNED C. VOS
DRAWN P. PETKOVIC
REVIEWED S. YONG
IN CHARGE N. BISHOP
APPROVED S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY HISTORIC DIVERSION DAM REMOVAL PLAN AND REMOVAL NOTES

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3240

anasiri May 20, 2022 - 9:43am
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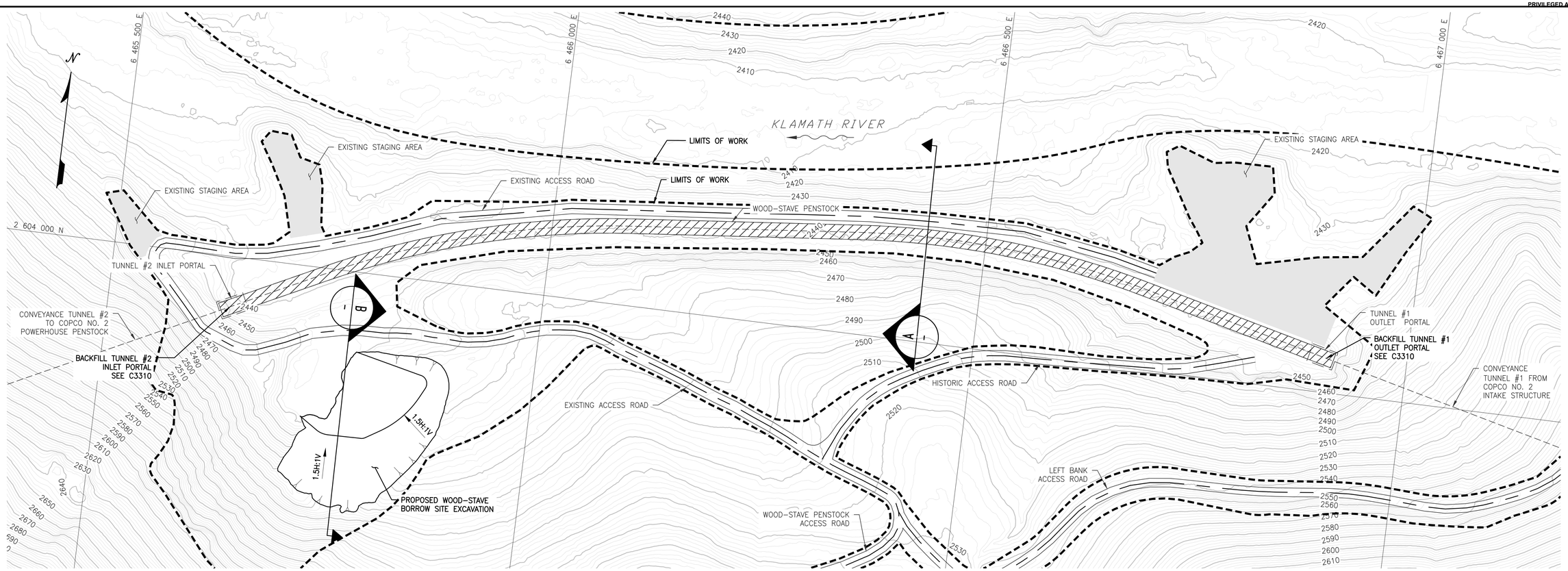
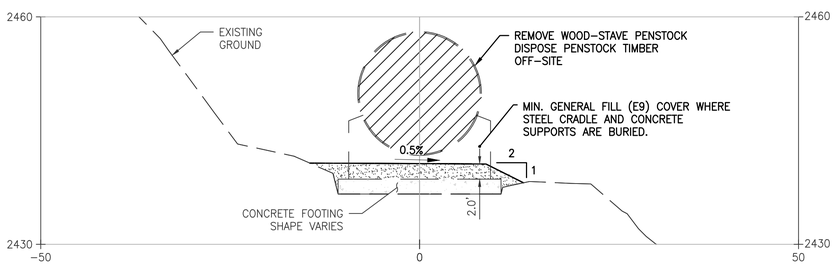
PRIVILEGED AND CONFIDENTIAL



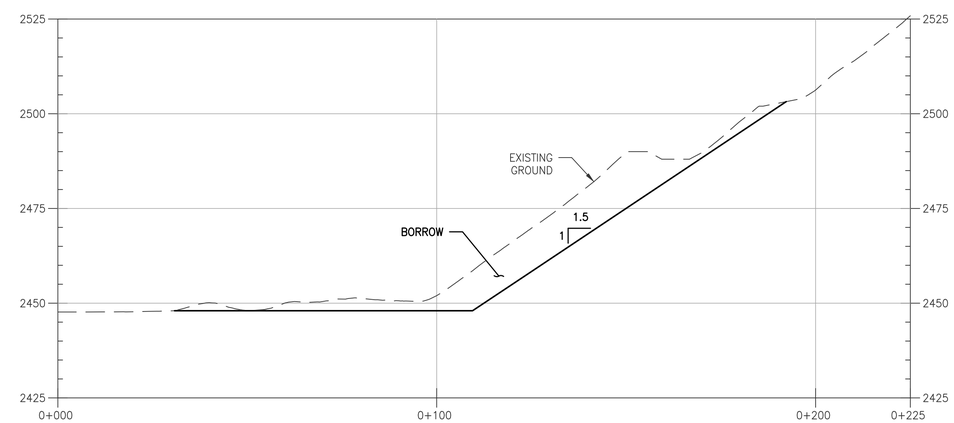
PLAN

1" = 60'



A — SECTION – TYPICAL WOOD-STAVE PENSTOCK

1" = 10'



B — SECTION – TYPICAL BORROW EXCAVATION

1" = 20'

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. BACKFILL TUNNEL PORTAL AT EACH END OF WOOD-STAVE PENSTOCK, SEE DRAWING C3310.
3. STEEL CRADLES AND CONCRETE FOOTINGS TO BE LAID DOWN AND BURIED ON SITE. STEEL BANDS SHALL BE DISPOSED OFFSITE. CONTRACTOR MAY OPT TO ALSO DISPOSE STEEL CRADLES OFFSITE.
4. EXCAVATION SLOPES TO BE VERIFIED BY THE ENGINEER. EXCAVATION IN AREAS WITH SATURATED SOILS OR WITH SIGNIFICANT SEEPAGE MAY REQUIRE REDUCED SLOPE ANGLES AND/OR DEWATERING.
5. SEE CALIFORNIA OREGON POWER COMPANY COPCO NO. 2 DEVELOPMENT HISTORIC DRAWING F-3719 AND F-3753 FOR WOOD-STAVE PENSTOCK DETAILS.
6. APPROXIMATE VOLUME OF BORROW SOURCE: 7,030 CY. MATERIAL TO BE SOURCED AS REQUIRED.

LEGEND:

- DEMOLITION / REMOVAL
- (E) CONCRETE
- STAGING AREA
- GENERAL FILL (E9)
- LIMITS OF WORK

0 60 120 180
1" = 60'

0 20 40 60
1" = 20'

0 10 20 30
1" = 10'

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	SY	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 SALINA YONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY Knight Piésold CONSULTING / Kiewit

DESIGNED	C. VOS
DRAWN	R. PENG
REVIEWED	S. YONG
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY WOOD-STAVE PENSTOCK DEMOLITION PLAN AND SECTION

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3300

anasiri May 20, 2022 - 9:44am
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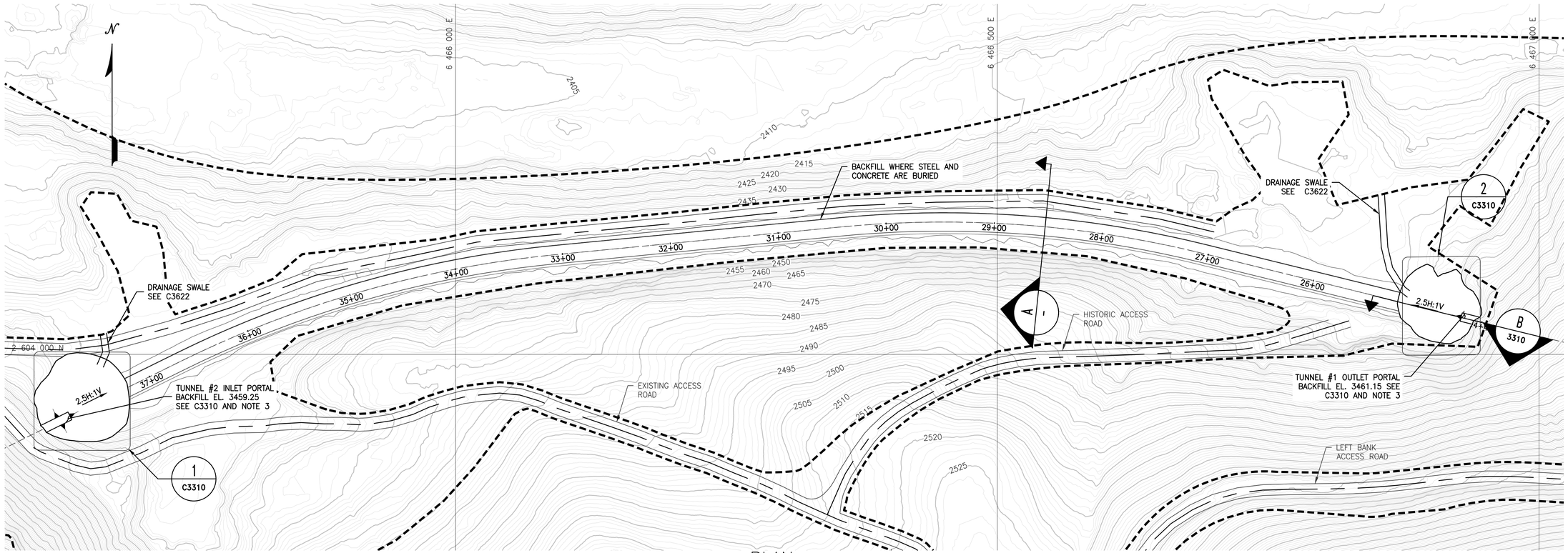


PLAN

1" = 50'

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. CONCRETE RUBBLE FROM FOOTINGS AND STEEL FROM CRADLES AND BANDS TO BE BURIED IN TRENCH. CONTRACTOR MAY OPT TO DISPOSE OF STEEL CRADLES AND BANDS OFFSITE.
3. POSITION OF TUNNEL PORTAL FILL IS APPROXIMATE AND MAY VARY. THE LOCATION OF THE TUNNEL PORTALS SHALL BE DETERMINED BY THE CONTRACTOR AND THE FILL PRISMS SHALL BE ADJUSTED TO REFLECT THE TRUE LOCATIONS. SEE DRAWING C3310 FOR THE REQUIRED FILL DIMENSIONS. THE TOPOGRAPHY AROUND THE PORTALS IS SKEWED DUE TO THE STRUCTURES PRESENT.

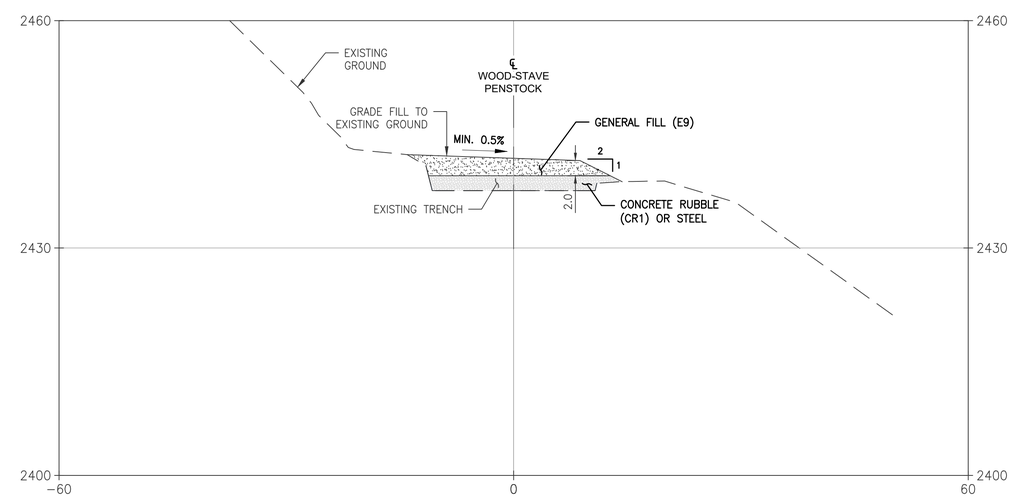
LEGEND:

- GENERAL FILL (E9)
- CONCRETE RUBBLE (CR1)
- LIMITS OF WORK

0 50 100 150
1" = 50'

0 10 20 30
1" = 10'

ISSUED FOR CONSTRUCTION



A – SECTION – TYPICAL WOOD-STAVE BACKFILL

1" = 10'

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	SY	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 SALINA YONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY Knight Piésold CONSULTING Kiewit

DESIGNED	C. VOS
DRAWN	P. PETKOVIC
REVIEWED	S. YONG
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY WOOD-STAVE PENSTOCK DEMOLITION GRADING PLAN

PROJ # VA103-640/1

DATE 05/27/2022

DWG C3303

amasiri May 20, 2022 - 9:46am
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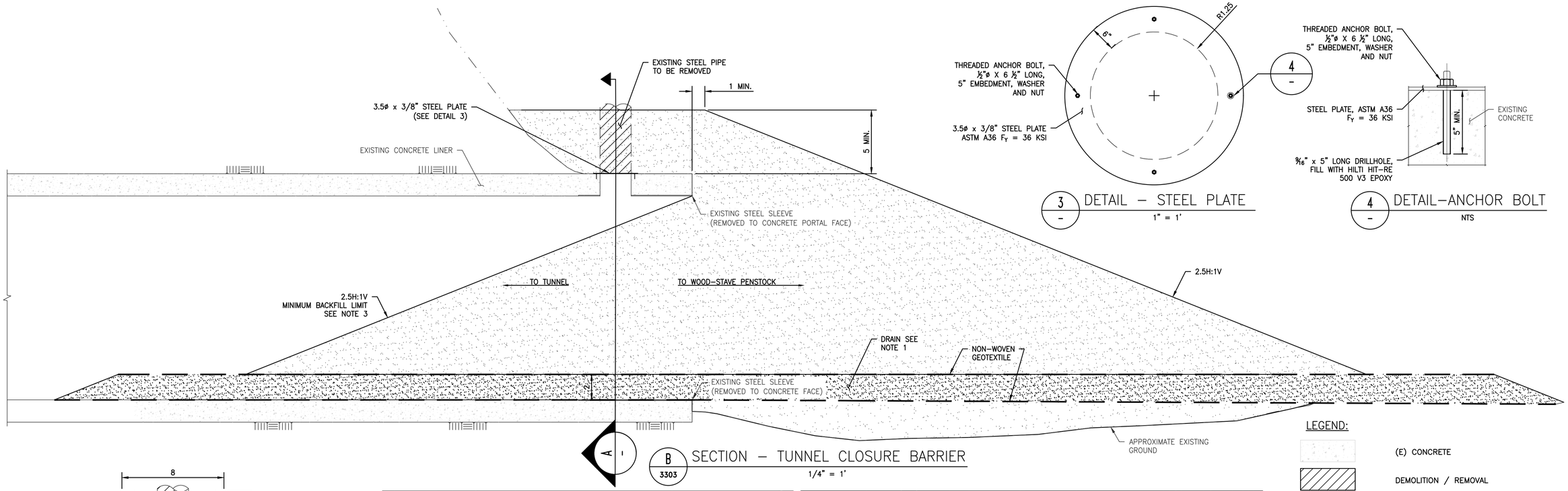
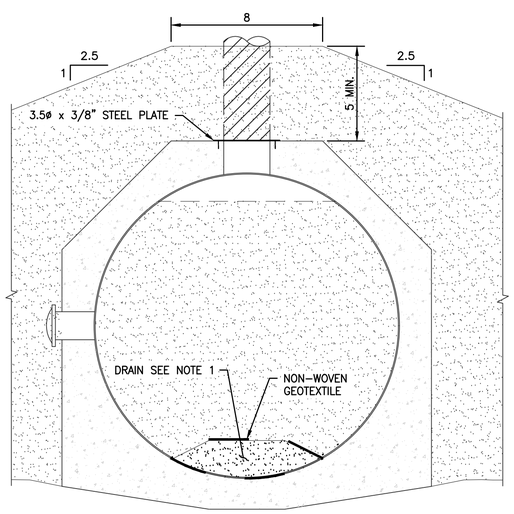
PRIVILEGED AND CONFIDENTIAL



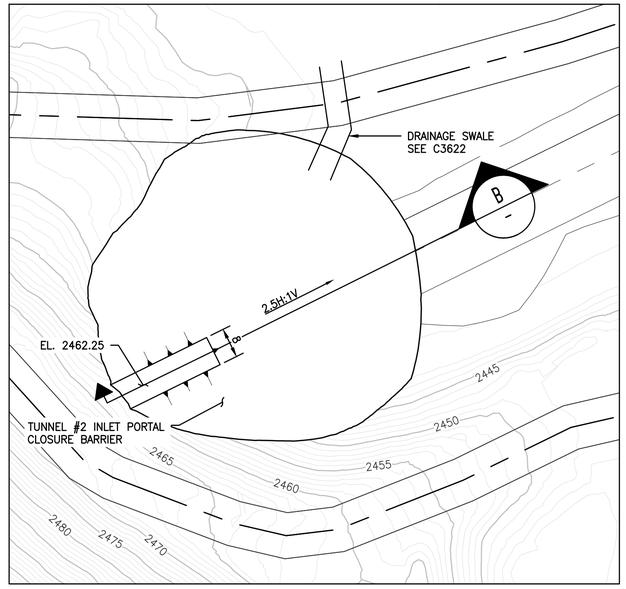
B 3303 SECTION – TUNNEL CLOSURE BARRIER
1/4" = 1'

3 - DETAIL – STEEL PLATE
1" = 1'

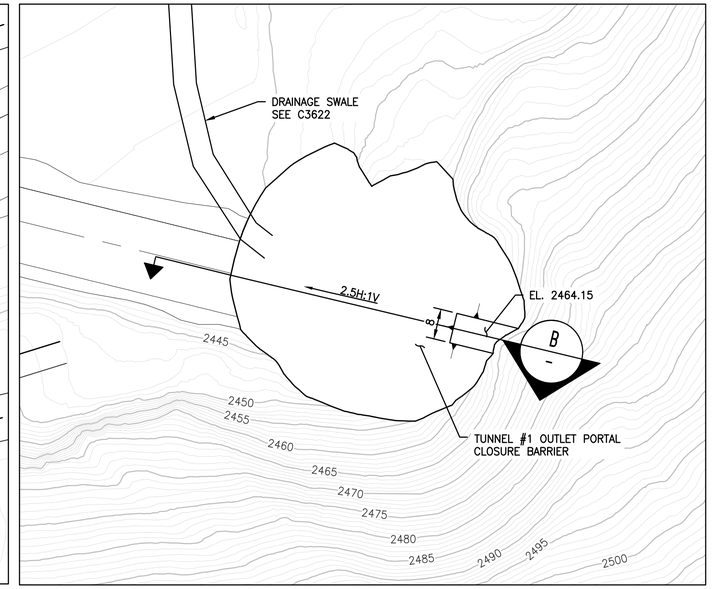
4 - DETAIL–ANCHOR BOLT
NTS



A - SECTION
1/4" = 1'



1 C3303 DETAIL–TUNNEL #2 INLET PORTAL CLOSURE BARRIER
1" = 20'



2 C3303 DETAIL–TUNNEL #1 OUTLET PORTAL CLOSURE BARRIER
1" = 20'

LEGEND:

- (E) CONCRETE
- DEMOLITION / REMOVAL
- BEDDING (E6)
- GENERAL FILL (E9)
- NON-WOVEN GEOTEXTILE

NOTES:

1. BARRIER DESIGN SAME FOR BOTH PORTALS WITH THE EXCEPTION OF THE DRAIN. DRAIN IS ONLY REQUIRED AT THE TUNNEL #1 OUTLET. DRAIN SIZE TO BE ADJUSTED BASED ON OBSERVED FLOWS FROM TUNNEL.
2. BLOCK PIPE OUTLET WITH STEEL PLATE PRIOR TO BACKFILLING. CONTRACTOR MAY OPTION TO REMOVE TOP SLAB OF CONCRETE PORTAL INSTEAD OF BARRICADING PIPE OUTLET WITH STEEL PLATE.
3. SEE TECHNICAL SPECIFICATION 31 23 00 FOR PLACEMENT AND COMPACTION REQUIREMENTS IN CONFINED OPENINGS AND TUNNEL PORTALS.
4. ALL STEEL BOLTS AND FASTENERS SHALL BE CARBON STEEL PER ASTM A36.

0 20 40 60
1" = 20'
0 1 2 3
1" = 1'
0 4 8 12
1/4" = 1'

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	SY	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 SALINA YONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

DESIGNED	C. VOS
DRAWN	E. GUEVARRA
REVIEWED	S. YONG
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY
TUNNEL #1 OUTLET AND TUNNEL #2 INLET PORTALS
CLOSURE BARRIER - SECTION AND DETAILS

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3310

anasiti May 20, 2022 - 9:50am
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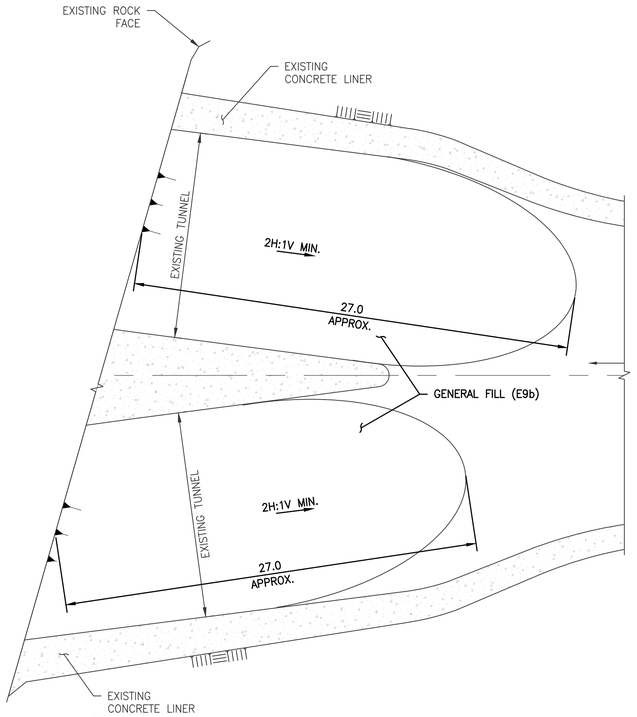
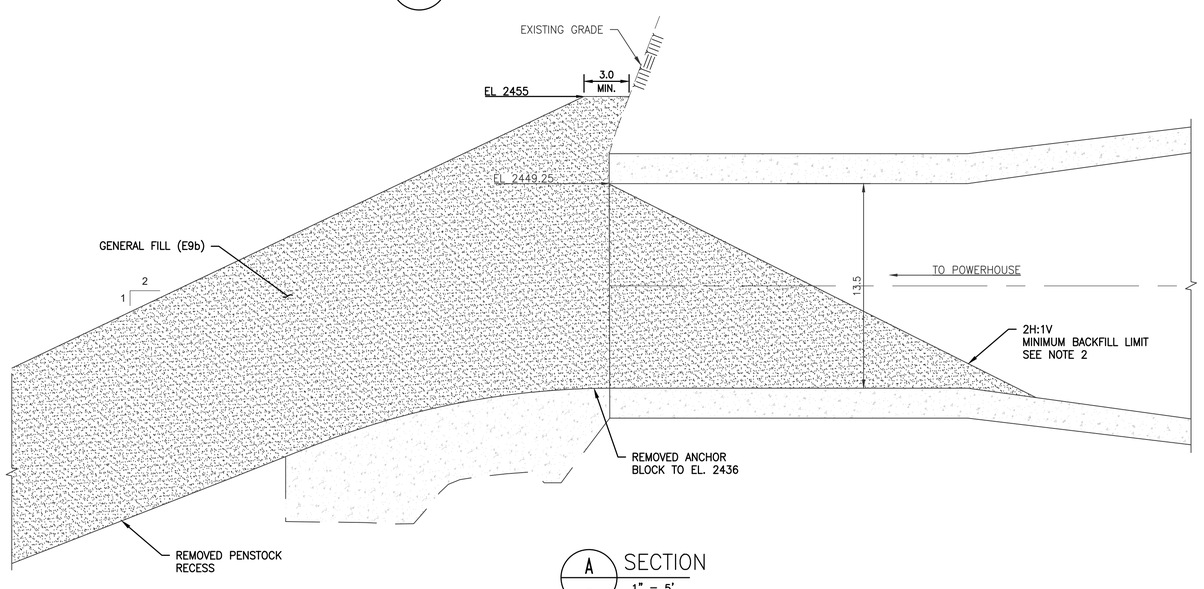
PRIVILEGED AND CONFIDENTIAL



2 / – DETAIL – BACKFILL INSIDE TUNNEL
1" = 5'

1 / C3334 DETAIL – CLOSURE BARRIER
1" = 10'



A / – SECTION
1" = 5'

NOTES:

1. THE TUNNEL #2 OUTLET PORTAL CLOSURE BARRIER SHALL BE CONSTRUCTED USING A TRACK COMPACTED FREE DRAINING GENERAL FILL (E9b). CONCRETE RUBBLE (CR2) IS ALSO AN ACCEPTABLE FILL PROVIDE IF IS COVERED WITH A MINIMUM OF 2 ft OF GENERAL FILL (E9b).
2. SEE TECHNICAL SPECIFICATION 31 23 00 FOR PLACEMENT AND COMPACTION REQUIREMENTS IN CONFINED OPENINGS AND TUNNEL PORTALS.

LEGEND:

(E) CONCRETE

GENERAL FILL (E9b)

0 5 10 15
1" = 5'

0 10 20 30
1" = 10'

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CAV	SY	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 SACINA YONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

DESIGNED	C. VOS
DRAWN	E. GUEVARRA
REVIEWED	S. YONG
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY
TUNNEL #2 OUTLET PORTAL
CLOSURE BARRIER - SECTION AND DETAILS

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3350

anasiri May 20, 2022 - 9:54am
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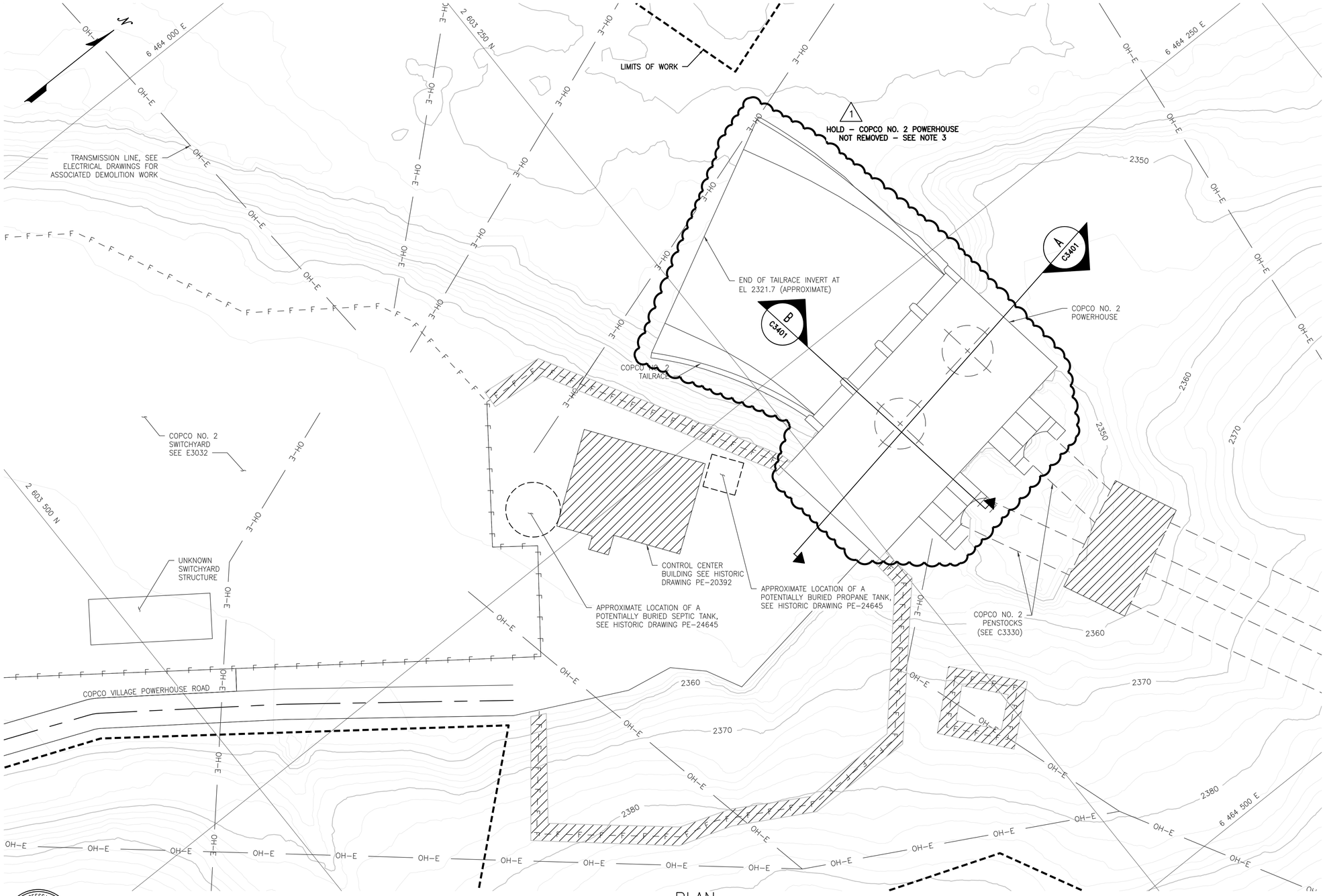
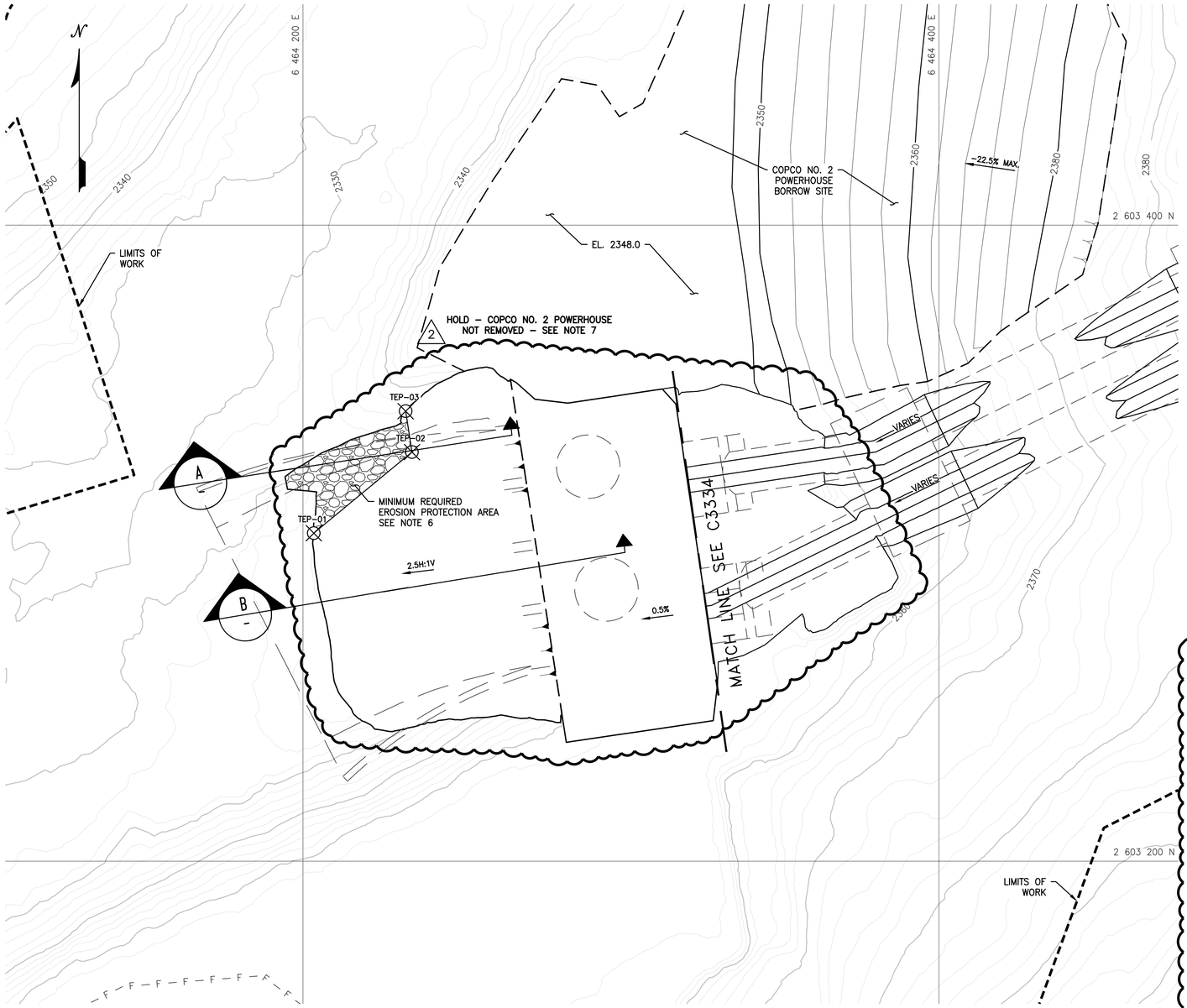

N
6 464 000 E
6 464 250 E
6 464 500 E
2 603 250 N
2 603 500 N
LIMITS OF WORK
1
HOLD – COPCO NO. 2 POWERHOUSE
NOT REMOVED – SEE NOTE 3
TRANSMISSION LINE, SEE
ELECTRICAL DRAWINGS FOR
ASSOCIATED DEMOLITION WORK
END OF TAILRACE INVERT AT
EL 2321.7 (APPROXIMATE)
A
C3401
B
C3401
COPCO NO. 2
POWERHOUSE
COPCO NO. 2
TAILRACE
COPCO NO. 2
SWITCHYARD
SEE E3032
UNKNOWN
SWITCHYARD
STRUCTURE
CONTROL CENTER
BUILDING SEE HISTORIC
DRAWING PE–20392
APPROXIMATE LOCATION OF A
POTENTIALLY BURIED SEPTIC TANK,
SEE HISTORIC DRAWING PE–24645
APPROXIMATE LOCATION OF A
POTENTIALLY BURIED PROPANE TANK,
SEE HISTORIC DRAWING PE–24645
COPCO NO. 2
PENSTOCKS
(SEE C3330)
COPCO VILLAGE POWERHOUSE ROAD
2350
2360
2370
2380
OH–E
F–F–F–



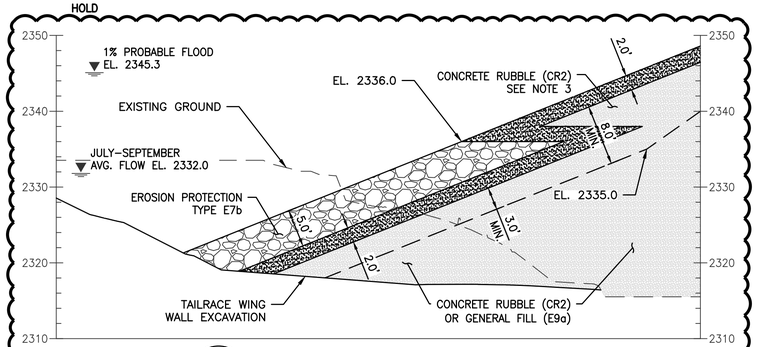
PLAN

1" = 20'

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. ALL DISPOSED CONCRETE SHALL BE COVERED WITH A MINIMUM FILL THICKNESS OF 2.0 ft.
3. MATERIAL MUST COMPRISE CONCRETE RUBBLE (CR2). NO GENERAL FILL (E9a) MATERIAL ALLOWED WITHIN THE DELINATED ZONE.
4. EXCAVATION EXTENTS OF THE COPCO NO. 2 POWERHOUSE BORROW SITE AS SHOWN REPRESENTS THE MAXIMUM ALLOWABLE EXCAVATION. CONTRACTOR SHALL EXCAVATE MATERIAL AS REQUIRED.
5. EXCAVATION SLOPES TO BE VERIFIED BY THE ENGINEER. EXCAVATION IN AREAS WITH SATURATED SOILS OR WITH SIGNIFICANT SEEPAGE MAY REQUIRE REDUCED SLOPE ANGLES AND/OR DEWATERING.
6. ADDITIONAL EROSION PROTECTION MATERIAL MAY BE PLACED WITHIN THE TAILRACE BACKFILL LIMITS, AT THE CONTRACTOR'S DISCRETION.
7. (2) CONTRACTOR TO COORDINATE WITH KRRC TO DEVELOP CLOSURE AND HANDOVER REQUIREMENTS FOR COPCO NO. 2 POWERHOUSE AND ANCILLARY STRUCTURES/EQUIPMENT.

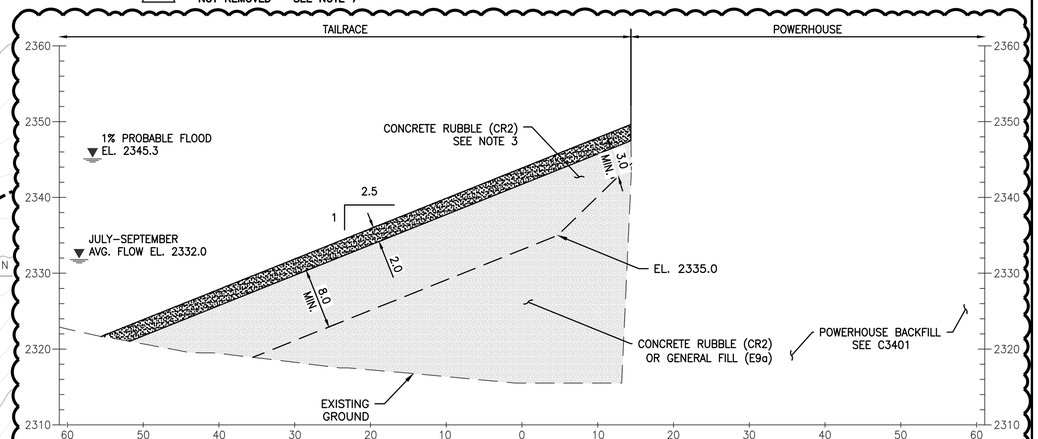
HOLD



A – TAILRACE EROSION PROTECTION

1" = 10'

(2) HOLD – COPCO NO. 2 POWERHOUSE NOT REMOVED – SEE NOTE 7



B – POWERHOUSE AND TAILRACE BACKFILL

1" = 10'

LEGEND:

- GENERAL FILL (E9)
- BEDDING (E8)
- CONCRETE RUBBLE (CR2)
- EROSION PROTECTION (E7b)
- LIMITS OF WORK

REGISTERED PROFESSIONAL ENGINEER SALINA YONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

WORK POINTS TABLE			
WORK POINTS	EASTING	NORTHING	ELEVATION
TEP–01	6464203.4	2603303.1	2322.2
TEP–02	6464234.3	2603328.6	2336.0
TEP–03	6464232.3	2603341.5	2336.0

ISSUED FOR CONSTRUCTION

0 10 20 30
1" = 10'

0 20 40 60
1" = 20'

REV	DESCRIPTION	BY	CHK	APP	DATE
2	HOLD ADDED ON POWERHOUSE REMOVAL AND BACKFILL	CAV	SY	SRM	12/21/22
1	ISSUED FOR CONSTRUCTION	CAV	SY	SRM	06/13/22
0	ISSUED FOR CONSTRUCTION	CAV	SY	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 C. VOS
DRAWN R. PENG
REVIEWED S. YONG
IN CHARGE N. BISHOP
APPROVED S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY TAILRACE DISPOSAL SITE GRADING PLAN

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3420

anasiri Dec 21, 2022 - 9:09am
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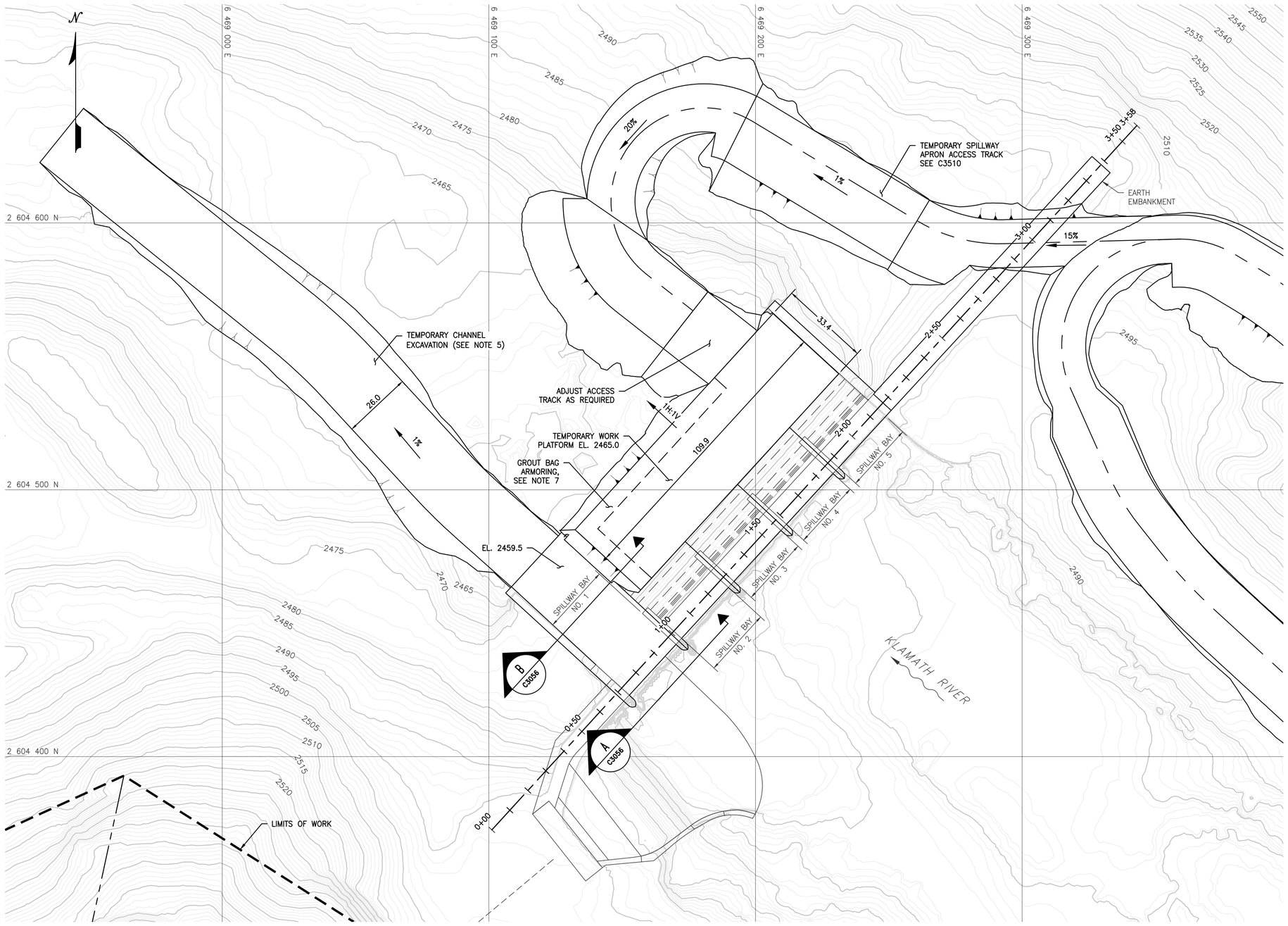

PLAN

SCALE 1" = 20'

NOTES:

1. THE INFORMATION CONTAINED IN THIS DRAWING PERTAINS TO THE COPCO NO. 2 DIVERSION DAM CONTINGENCY REMOVAL METHOD. THE PRIMARY REMOVAL METHOD COMPRISES UTILIZING THE COPCO NO. 1 DAM DURING THE PRE-DRAWDOWN WORKS TO ALLOW THE DIVERSION DAM TO BE REMOVED IN THE DRY TO THE EXTENTS SHOWN ON DRAWING C3220. IF THE CONTRACTOR SELECTS THE PRIMARY REMOVAL METHOD THE WORKS SHOWN ON THIS DRAWING ARE NOT REQUIRED.
2. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
3. LOCATION AND ELEVATION OF EXISTING STRUCTURES TO BE CONFIRMED PRIOR TO DEMOLITION.
4. DAM OUTLINE BASED ON THE CALIFORNIA OREGON POWER COMPANY COPCO 2 DEVELOPMENT HISTORIC DRAWING F-3930 (DATED 05/25/1925).
5. TEMPORARY CHANNEL EXCAVATION DESIGNED TO REDUCE THE RIVER ELEVATION ADJACENT TO THE WORK PLATFORM TO BE CONSTRUCTED AT THE CONTRACTOR'S DISCRETION. WORK PLATFORM MAY NEED TO BE RAISED TO PROVIDE A DRY WORKING SURFACE IN THE EVENT THE TEMPORARY CHANNEL EXCAVATION IS NOT CONSTRUCTED.
6. TEMPORARY CHANNEL EXCAVATION MUST BE BACKFILLED IF EXCAVATED.
7. TEMPORARY WORK PLATFORM TO BE EXCAVATED AS REQUIRED.
8. WORK PLATFORM TO BE ARMORED USING GROUT BAGS OR SIMILAR APPROVED BY ENGINEER.
9. SEE DRAWING C3056 FOR ANTICIPATED WATER LEVELS ALONG SPILLWAY BAY NO. 1 WITH THE TEMPORARY WORK PLATFORM AND TEMPORARY CHANNEL EXCAVATION IN PLACE.

LEGEND:

- - - - - - LIMITS OF WORK

ISSUED FOR CONSTRUCTION

0 20 40 60

1" = 20'

REV	DESCRIPTION	BY	CHK	APP	DATE
A	ISSUED FOR CONSTRUCTION	CAV	SY	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 SAYINA YONG C 77520 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY Knight Piésold CONSULTING / Kiewit

DESIGNED	C. VOS
DRAWN	R. PENG
REVIEWED	S. YONG
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY
DIVERSION DAM CONTINGENCY REMOVAL METHOD
CONSTRUCTION ACCESS - TEMPORARY SPILLWAY APRON ACCESS TRACK AND WORK PLATFORM

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3520

arnasiri May 20, 2022 - 10:21am
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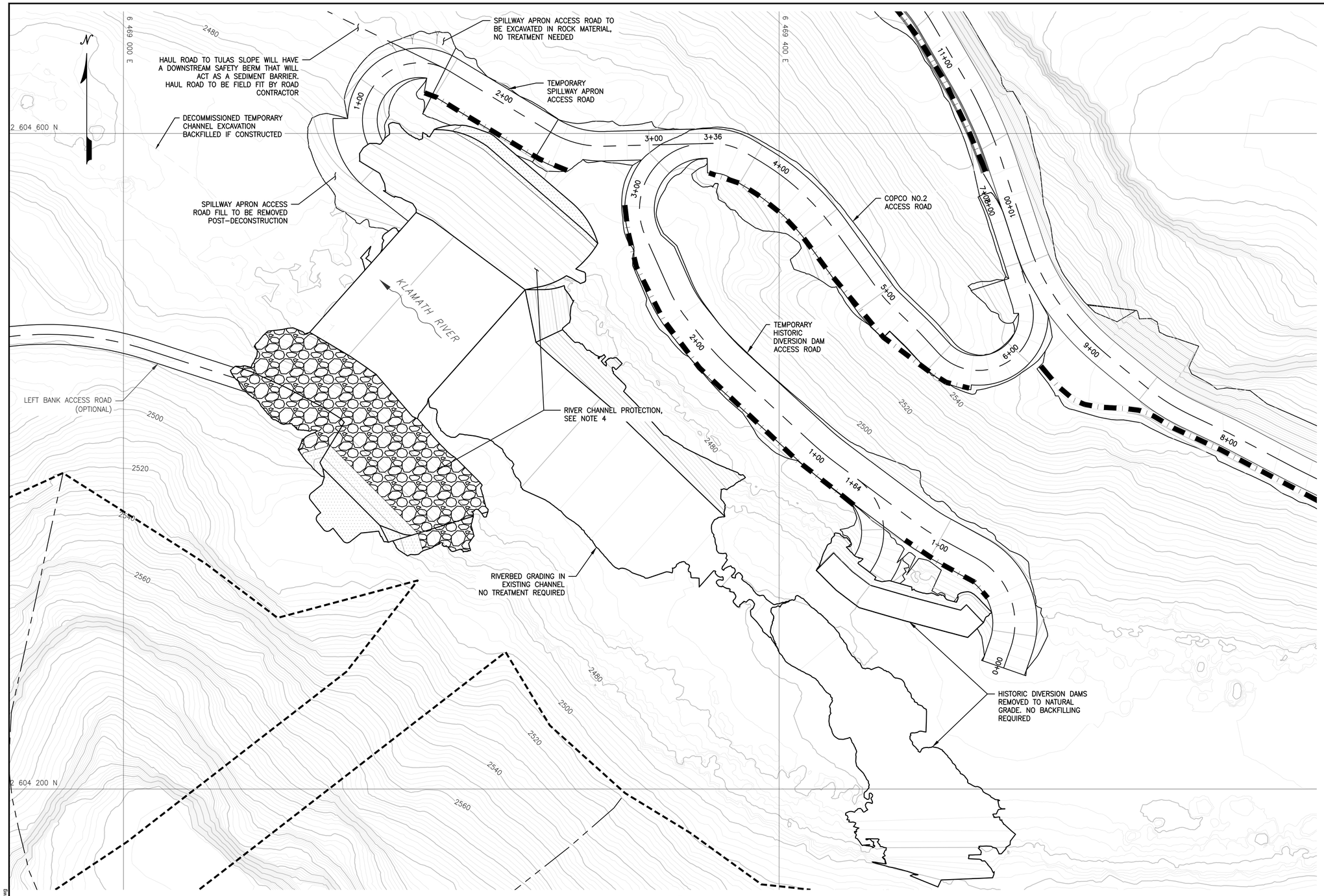

LEGEND:

- EROSION PROTECTION (E7)
- FINAL STABILIZATION
- SAFETY BERM (SEE NOTE 2)
- LIMITS OF WORK

NOTES:

1. THE CONTRACTOR MAY LIMIT PERIMETER CONTROL TO AREAS WHERE LOCAL DRAINAGE MAY MOBILIZE SILT OR SEDIMENT WITH SURFACE RUNOFF.
2. COPCO ACCESS ROADS ARE REHABILITATED WITH A DOWNSTREAM SAFETY BERM THAT WILL DIVERT RUNOFF AND TRAP SEDIMENT. THESE BERMS WILL BE STABILIZED THROUGHOUT CONSTRUCTION.
3. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
4. BACKFILL COVERED WITH RIPRAP TO AN EL. 2486 ft QUALIFIES AS A NON–VEGETATED STABILIZATION MEASURE (EC–16). NO FURTHER TREATMENT IS REQUIRED IN THIS AREA.
5. EROSION AND SEDIMENT CONTROL MEASURES WERE SELECTED PER THE CASQA BMP MANUAL.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED DURING THE PRE–DRAWDOWN YEAR DURING SUMMER CONDITIONS.

PLAN
1" = 30'

ISSUED FOR CONSTRUCTION

0 30 60 90
1" = 30'

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

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

Scott Berkebile
Digitally signed by Scott Berkebile
Date: 2022.05.27 10:10:00 -07'00'
REGISTERED PROFESSIONAL ENGINEER SCOTT C BERKEBILE C 66153 EXP. 06-30-24 CIVIL STATE OF CALIFORNIA

PREPARED BY: Knight Piésold CONSULTING; Kiewit

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

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY
FINAL EROSION AND SEDIMENT CONTROL
FINAL RIVER CHANNEL

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3620

anasiri May 26, 2022 - 3:26pm
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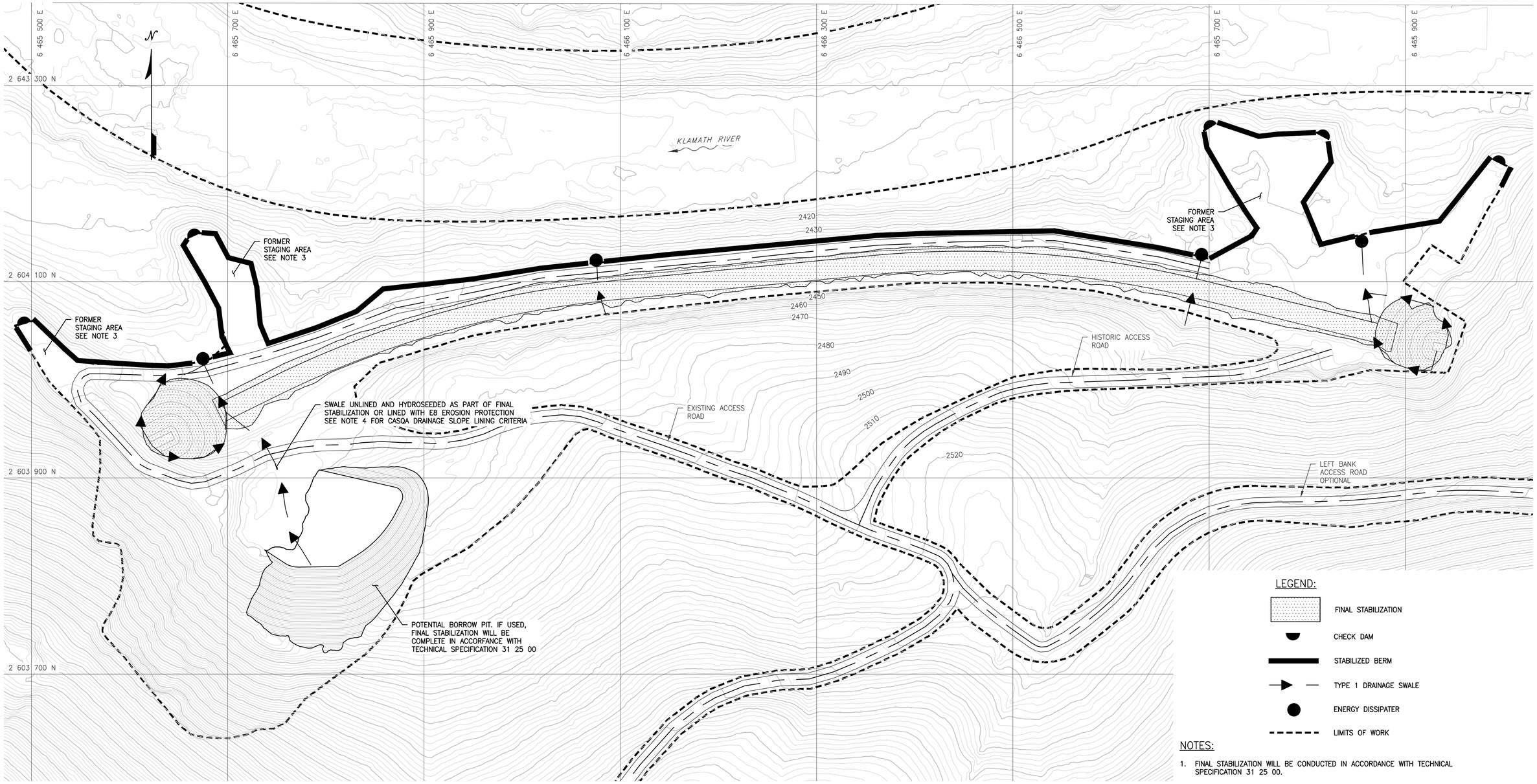

PLAN

1" = 50'

LEGEND:

- FINAL STABILIZATION
- CHECK DAM
- STABILIZED BERM
- TYPE 1 DRAINAGE SWALE
- ENERGY DISSIPATER
- LIMITS OF WORK

NOTES:

1. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
2. EROSION AND SEDIMENT CONTROL MEASURES TO BE WERE SELECTED PER THE CASQA MANUAL.
3. FINAL STABILIZATION FOR STAGING AREAS WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
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.
5. SEE DRAWINGS C1622 AND C4601 FOR TYPICAL SECTIONS FOR EROSION AND SEDIMENT CONTROL MEASURES.

ISSUED FOR CONSTRUCTION

0 50 100 150

1" = 50'

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

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

Scott Berkebile
Digitally signed by Scott Berkebile
Date: 2022.05.27 09:24:00 -07'00'
REGISTERED PROFESSIONAL ENGINEER SCOTT C. BERKEBILE C 66153 EXP. 06-30-24 CIVIL STATE OF CALIFORNIA

PREPARED BY
Knight Piésold CONSULTING
Kiewit

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

PREPARED FOR
KLAMATH RIVER RENEWAL CORPORATION

PROJECT
KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE
COPCO NO. 2 FACILITY
FINAL EROSION AND SEDIMENT CONTROL
WOOD-STAVE PENSTOCK

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3622

dhawkins May 24, 2022 - 2:32pm
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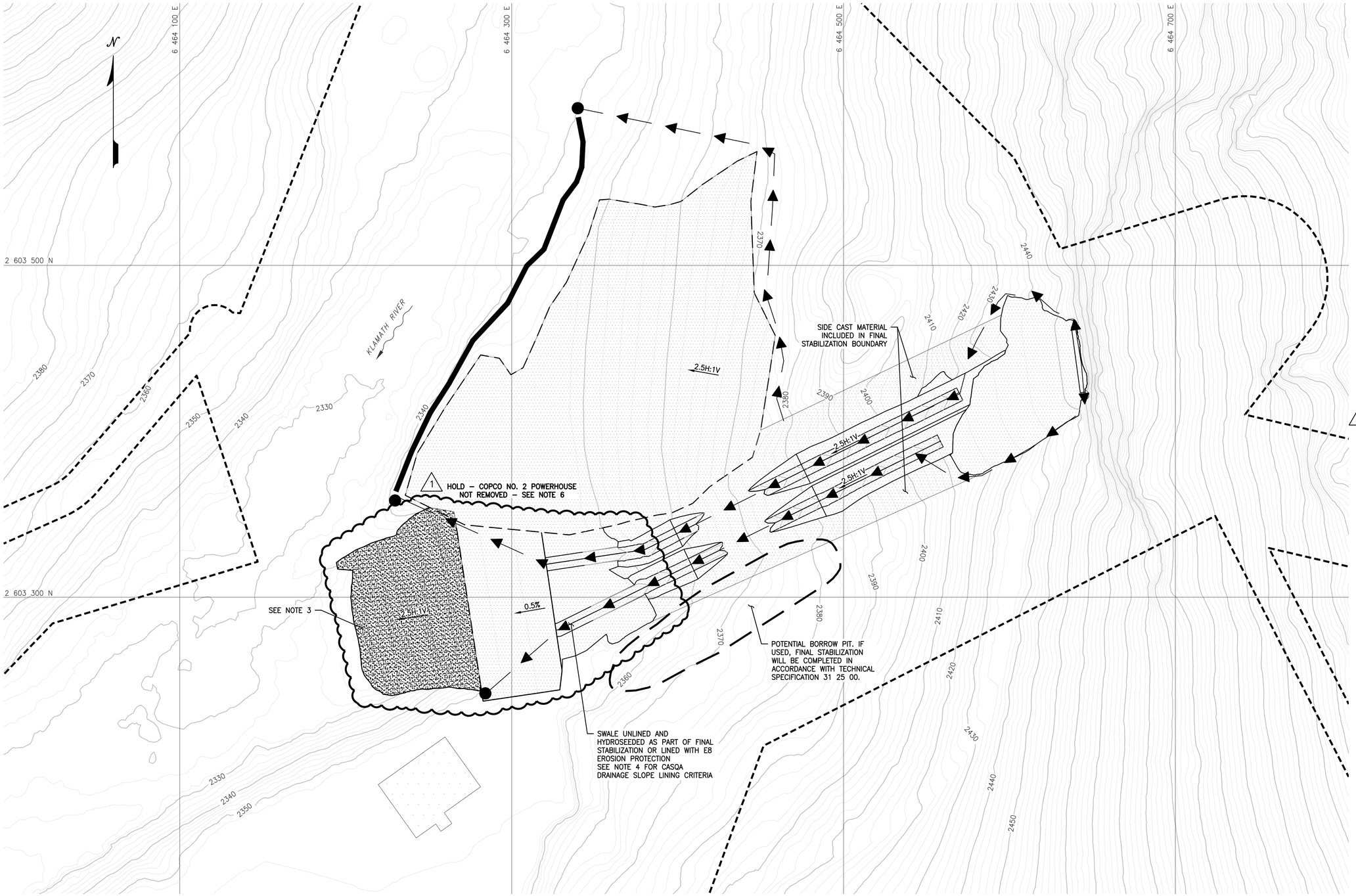

PLAN
1" = 30'

LEGEND:

- FINAL STABILIZATION
- BEDDING (E8)
- CHECK DAM
- ENERGY DISSIPATER
- STABILIZED BERM
- TYPE 1 DRAINAGE SWALE
- LIMITS OF WORK

NOTES:

1. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
2. EROSION AND SEDIMENT CONTROL MEASURES WERE SELECTED PER THE CASQA MANUAL.
3. TAILRACE COVER MATERIAL (TYPE E8) QUALIFIES AS A NON–VEGETATED STABILIZATION MEASURE (EC–16) IF WASHED OF ANY APPRECIABLE FINES. NO FURTHER TREATMENT IS REQUIRED IN THIS AREA.
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.
5. SEE DRAWINGS C1622 AND C4601 FOR TYPICAL SECTIONS FOR EROSION AND SEDIMENT CONTROL MEASURES.
6. (1) CONTRACTOR TO COORDINATE WITH KRRC TO DEVELOP CLOSURE AND HANDOVER REQUIREMENTS FOR COPCO NO. 2 POWERHOUSE AND ANCILLARY STRUCTURES/EQUIPMENT.

REGISTERED PROFESSIONAL ENGINEER SCOTT C BERKEBILE C 66153 EXP. 06-30-24 CIVIL STATE OF CALIFORNIA

Digitally signed by Scott Berkebile Date: 2022.12.21 14:27:54 -08'00'

0 30 60 90
1" = 30'

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	APP	DATE
1	HOLD ADDED ON POWERHOUSE REMOVAL AND BACKFILL	LB	SB	SRM	12/21/22
0	ISSUED FOR CONSTRUCTION	LB	SB	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	L. BUETIKOFER
DRAWN	R. MARTIN
REVIEWED	S. BERKEBILE
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY
FINAL EROSION AND SEDIMENT CONTROL
POWERHOUSE AND PENSTOCK

PROJ #	VA103-640/1
DATE	05/27/2022
DWG	C3623

anasiri Dec 21, 2022 - 1:03pm
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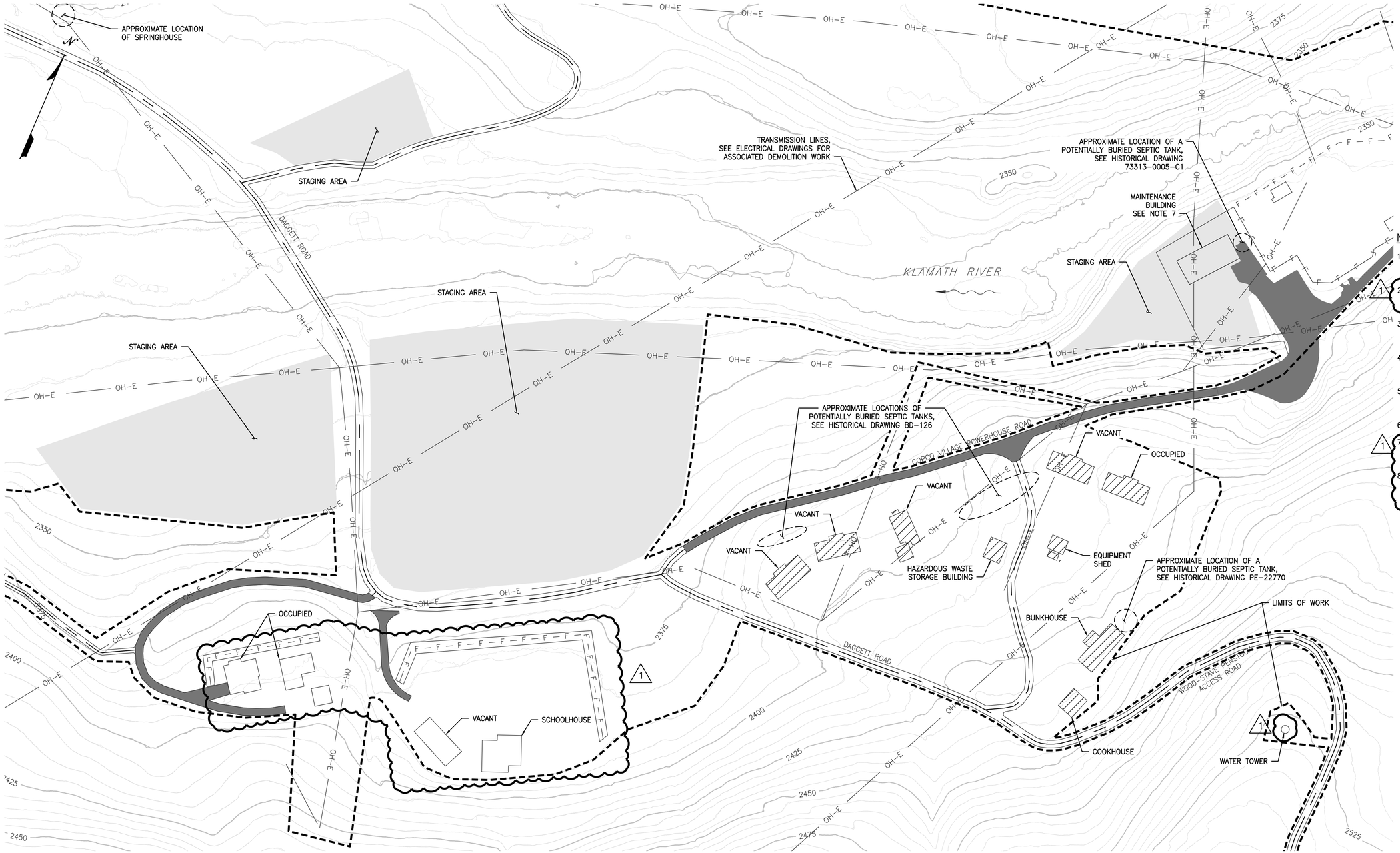

PLAN
1" = 80'

LEGEND:

- STAGING AREA
- DEMOLITION / REMOVAL
- ASPHALT
- LIMITS OF WORK

NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. REMOVE IDENTIFIED COPCO VILLAGE BUILDINGS AND ASSOCIATED UTILITIES DOWN TO THE FOUNDATIONS. (1)
3. CONTRACTOR TO FIELD VERIFY UTILITIES. BURIED UTILITIES BETWEEN STRUCTURES SHALL BE LEFT BURIED.
4. BUILDING WASTE MATERIAL TO BE DISPOSED OF AT THE APPROPRIATE DISPOSAL SITES AS SPECIFIED IN TECHNICAL SPECIFICATIONS.
5. SURROUNDING GROUND TO BE GRADED AFTER BUILDING DEMOLITION TO COVER REMAINING FOUNDATIONS AND PROMOTE DRAINAGE.
6. WATER WELLS ARE TO BE DECOMMISSIONED.
7. MAINTENANCE BUILDING TO BE USED FOR THE RESTORATION WORK. CONTRACTOR TO STAGE AREA FOR THE USE OF THE RESTORATION CONTRACTOR (1)
8. CONTRACTOR TO COORDINATE WITH KRRC TO DEVELOP CLOSURE AND HANDOVER REQUIREMENTS FOR COPCO NO. 2 VILLAGE BUILDINGS AND UTILITY SERVICES THAT ARE TO REMAIN IN PLACE.

REGISTERED PROFESSIONAL ENGINEER
SALINA TONG
C 77520
EXP. 06-30-23
CIVIL
STATE OF CALIFORNIA

ISSUED FOR CONSTRUCTION

0 80 160 240
1" = 80'

REV	DESCRIPTION	BY	CHK	APP	DATE
1	BUILDING REMOVAL AND NOTES REVISED	CAV	SY	SRM	12/21/22
0	ISSUED FOR CONSTRUCTION	CAV	SY	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	C. VOS
DRAWN	P. PETKOVIC
REVIEWED	S. YONG
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM

PREPARED FOR: KLAMATH RIVER RENEWAL CORPORATION

PROJECT: KLAMATH RIVER RENEWAL PROJECT

SHEET TITLE: COPCO NO. 2 FACILITY
COPCO NO. 2 VILLAGE REMOVAL
PLAN

PROJ # VA103-640/1
DATE 05/27/2022
DWG C3700

anasiri Dec 22, 2022 - 9:25am
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