

PLAN
 1" = 8000'

ISSUED FOR CONSTRUCTION
 0 8000 16000 24000
 HORIZ 1" = 8000'

96150PE, May 27, 2022, 1:36pm
 96150PE, May 27, 2022, 1:36pm
 96150PE, May 27, 2022, 1:36pm

REV	DESCRIPTION	BY	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	CBN	HE	SRM	05/27/22

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



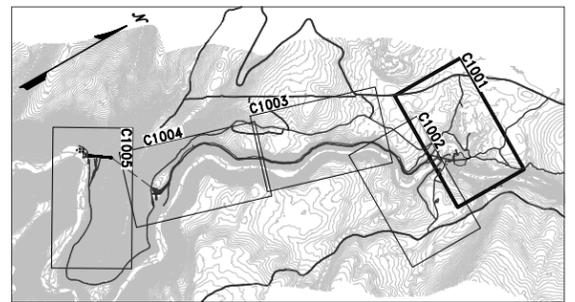
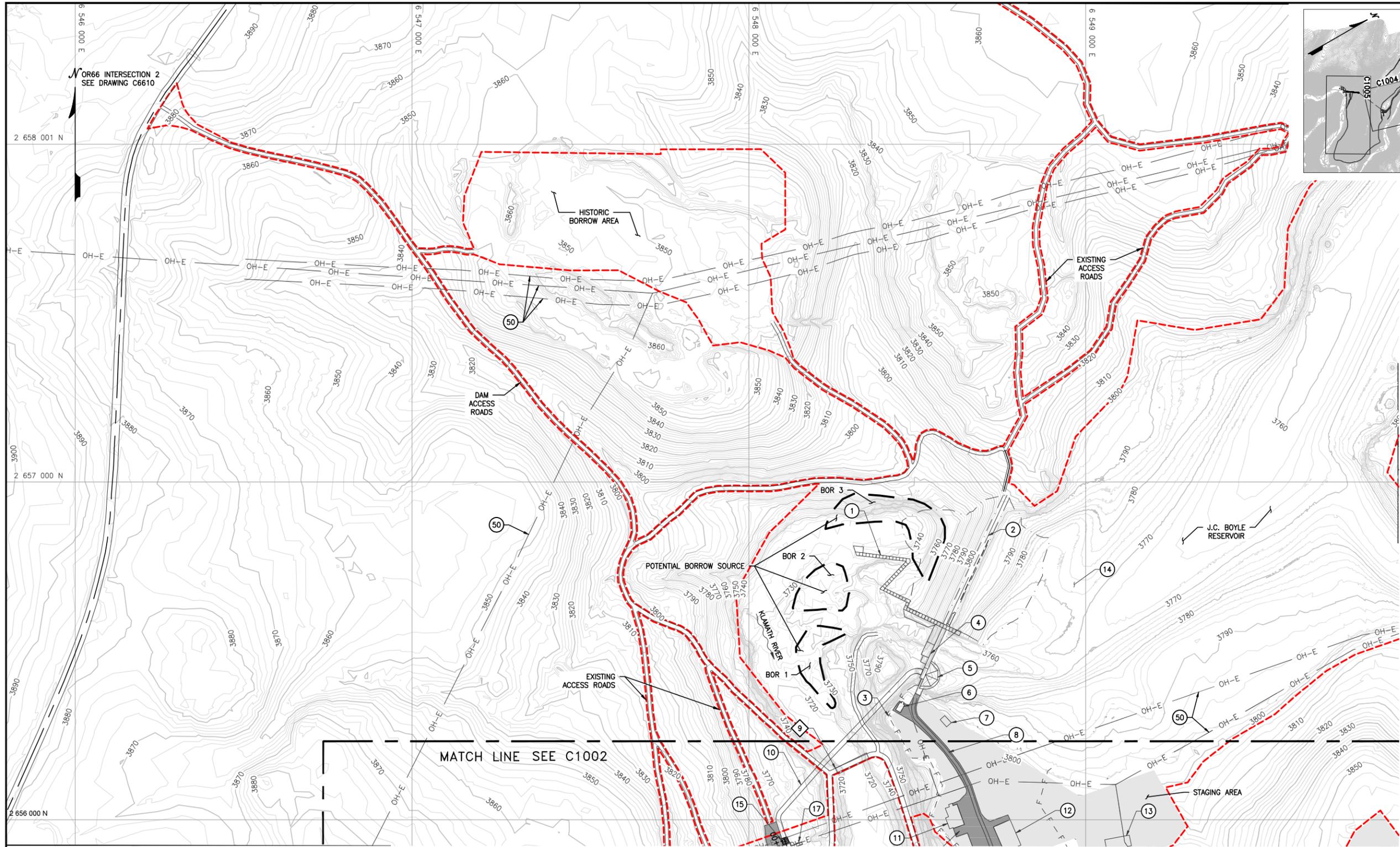
PREPARED BY
kp Knight Piésold CONSULTING
PKS Kiewit

DESIGNED: C. NIAMIR
 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: **PROJECT LOCATION, VICINITY AND ACCESS**

PROJ#: VA103-640/1
 DATE: 05/27/2022
 DWG: **G0020**



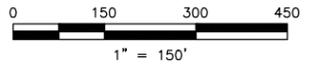
- LEGEND:**
- EXISTING ASPHALT
 - STAGING AREA
 - SAFETY ZONE LIMITS
 - LIMITS OF WORK
 - EXISTING ROAD LIMITS
 - OH-E EXISTING OVERHEAD TRANSMISSION LINE
 - FENCE
 - EXTENT OF EMBANKMENT
 - BORROW SOURCE LIMITS
 - TO BE PROTECTED
 - TO BE REMOVED
 - ① FISH LADDER (C1210)
 - ② DAM (C1230)
 - ③ FENCE
 - ④ GATED SPILLWAY & DIVERSION CULVERT (C1220)
 - ⑤ INTAKE STRUCTURE (C1221)
 - ⑥ DAM COMMUNICATIONS BLDG
 - ⑦ FIRE SYSTEM CONTROL BLDG
 - ⑧ ASPHALT PAVEMENT
 - ⑨ TIMBER BRIDGE (C1300)
 - ⑩ 14' DIAMETER STEEL PIPE (C1300)
 - ⑪ WAREHOUSE
 - ⑫ STORAGE SHED
 - ⑬ NORTH RESIDENCE
 - ⑭ HISTORIC COFFERDAM
 - ⑮ POWER CANAL HEADGATE STRUCTURE (C1310)
 - ⑯ POWER CANAL HEADGATE SIPHON SPILLWAY (C1310)
 - ⑰ TRANSMISSION LINE (E1015 & E1072)

- 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 J.C. BOYLE FACILITY DRAWINGS, INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
 3. REMOVE ALL ABOVE-GROUND RELATED INFRASTRUCTURE, ASPHALT, AND CONCRETE, INCLUDING DECOMMISSIONING OF ACCESS ROADS AND PARKING AREAS. DISK/RIP AND REGRADE/RECONTOUR STAGING AREAS.
 4. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
 5. IF AVAILABLE IN THE IMMEDIATE DAM FOOTPRINT OR BORROW SITES ADJACENT TO THE DAM, THE CONTRACTOR WILL OBTAIN AND STOCKPILE UP TO 30 BOULDERS FOR USE BY THE HABITAT CONTRACTOR FOR SUPPLEMENTAL FRINGE ROUGHNESS.
 6. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E1000 SERIES DRAWINGS.
 7. REFER TO 100% DESIGN REPORT (VA103-640/1-9), APPENDIX K FOR HISTORIC DRAWINGS.

MATCH LINE SEE C1002

PLAN
1" = 150'

ISSUED FOR CONSTRUCTION



0	ISSUED FOR CONSTRUCTION	BY	CHK	APP	DATE
		CBN	HE	SRM	05/27/22

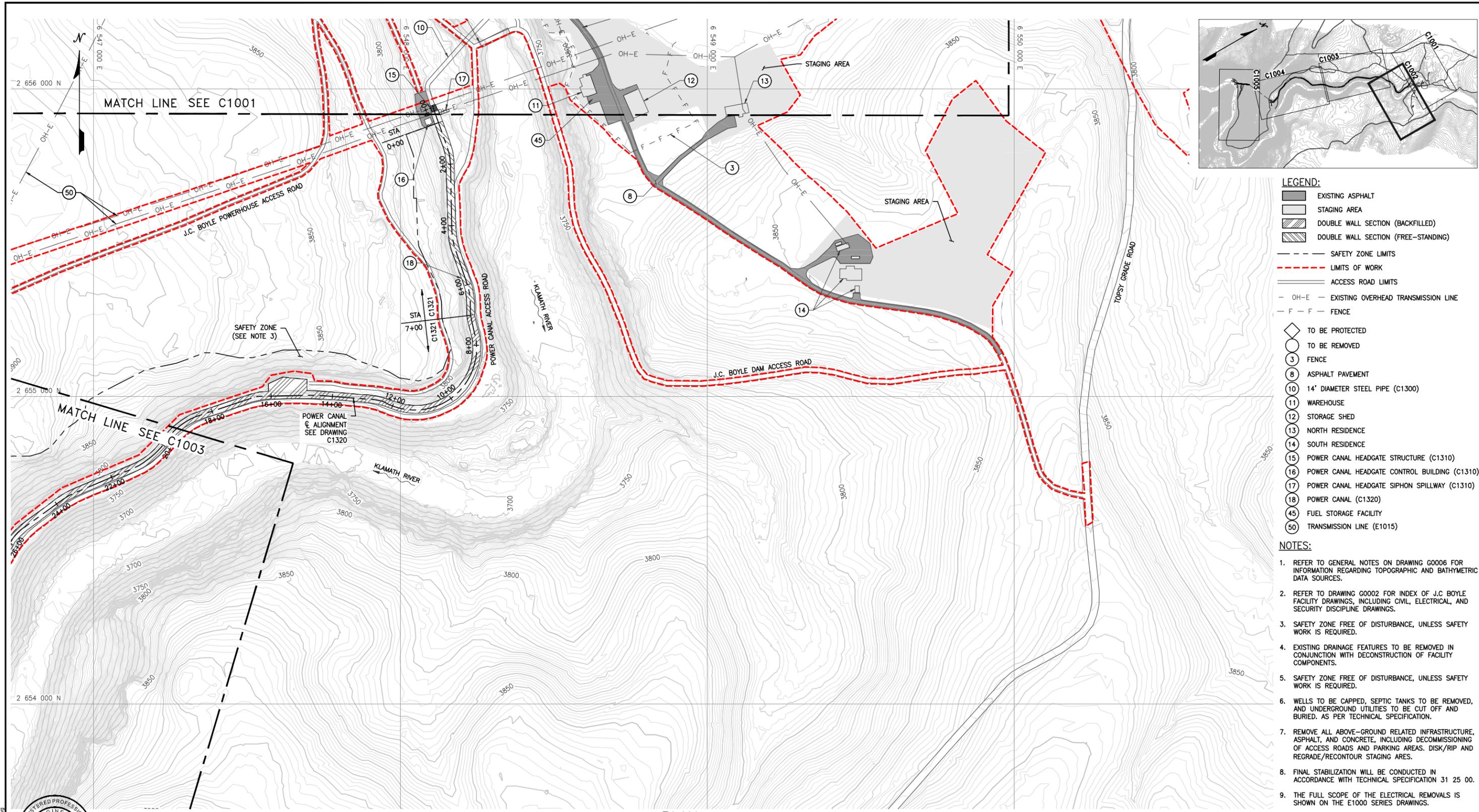
WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



DESIGNED	C. NIAMIR
DRAWN	A. NASIRI
REVIEWED	H. ELWIN
IN CHARGE	N. BISHOP
APPROVED	S. MOTTRAM



PROJECT	KLAMATH RIVER RENEWAL PROJECT		PROJ#	VA103-640/1
SHEET TITLE	J.C. BOYLE FACILITY PROJECT OVERVIEW AND LIMITS OF WORK (SHEET 1 OF 5)		DATE	05/27/2022
			DWG	C1001



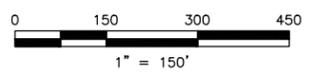
- LEGEND:**
- EXISTING ASPHALT
 - STAGING AREA
 - DOUBLE WALL SECTION (BACKFILLED)
 - DOUBLE WALL SECTION (FREE-STANDING)
 - SAFETY ZONE LIMITS
 - LIMITS OF WORK
 - ACCESS ROAD LIMITS
 - EXISTING OVERHEAD TRANSMISSION LINE
 - FENCE
 - TO BE PROTECTED
 - TO BE REMOVED
 - FENCE
 - ASPHALT PAVEMENT
 - 14" DIAMETER STEEL PIPE (C1300)
 - WAREHOUSE
 - STORAGE SHED
 - NORTH RESIDENCE
 - SOUTH RESIDENCE
 - POWER CANAL HEADGATE STRUCTURE (C1310)
 - POWER CANAL HEADGATE CONTROL BUILDING (C1310)
 - POWER CANAL HEADGATE SIPHON SPILLWAY (C1310)
 - POWER CANAL (C1320)
 - FUEL STORAGE FACILITY
 - TRANSMISSION LINE (E1015)

- 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 J.C. BOYLE FACILITY DRAWINGS, INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
 3. SAFETY ZONE FREE OF DISTURBANCE, UNLESS SAFETY WORK IS REQUIRED.
 4. EXISTING DRAINAGE FEATURES TO BE REMOVED IN CONJUNCTION WITH DECONSTRUCTION OF FACILITY COMPONENTS.
 5. SAFETY ZONE FREE OF DISTURBANCE, UNLESS SAFETY WORK IS REQUIRED.
 6. WELLS TO BE CAPPED, SEPTIC TANKS TO BE REMOVED, AND UNDERGROUND UTILITIES TO BE CUT OFF AND BURIED, AS PER TECHNICAL SPECIFICATION.
 7. REMOVE ALL ABOVE-GROUND RELATED INFRASTRUCTURE, ASPHALT, AND CONCRETE, INCLUDING DECOMMISSIONING OF ACCESS ROADS AND PARKING AREAS. DISK/RIP AND REGRADE/RECONTOUR STAGING AREAS.
 8. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
 9. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E1000 SERIES DRAWINGS.
 10. REFER TO 100% DESIGN REPORT (VA103-640/1-9), APPENDIX K FOR HISTORIC DRAWINGS.



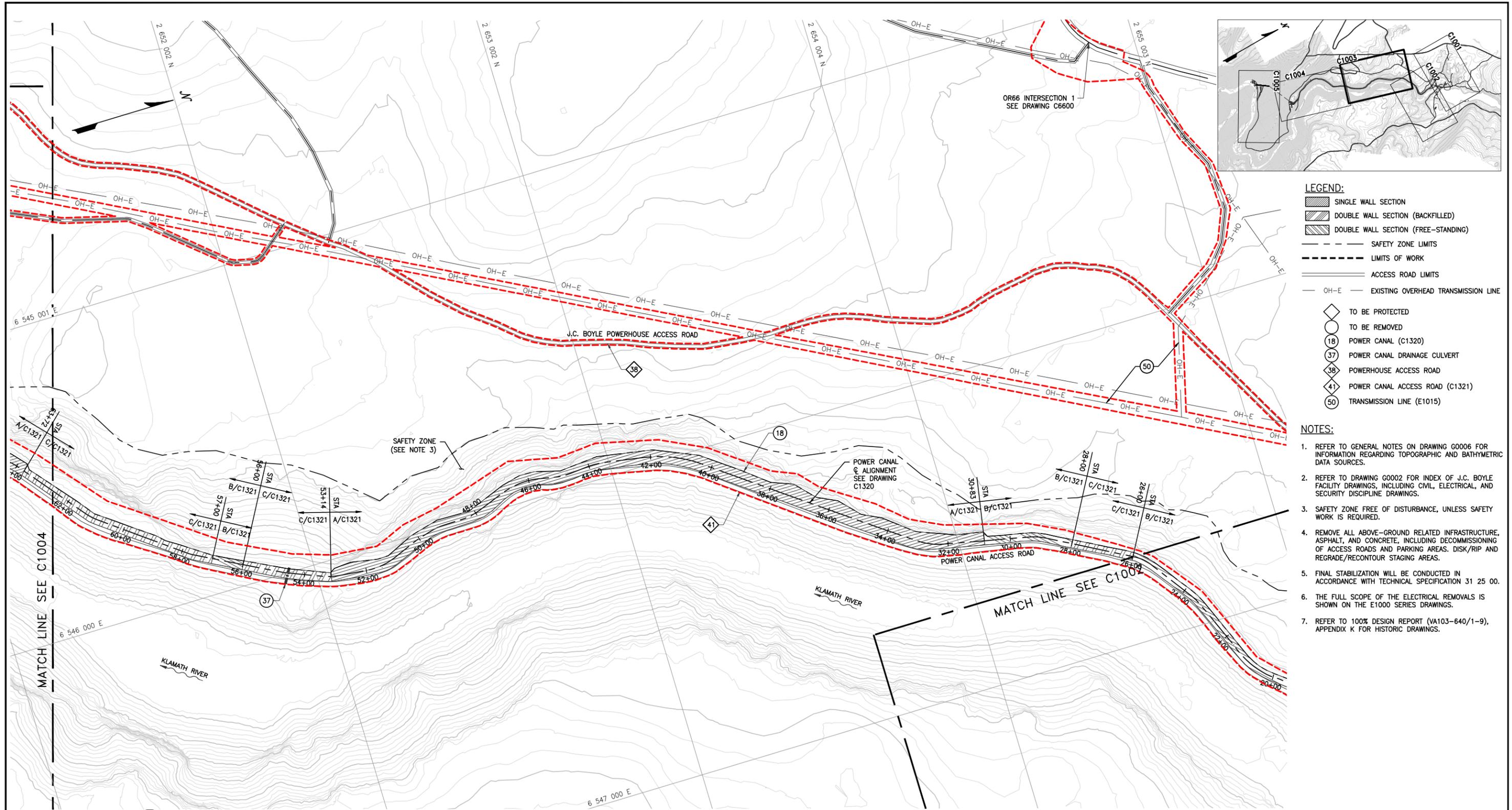
PLAN
1" = 150'

ISSUED FOR CONSTRUCTION



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						SHEET TITLE J.C. BOYLE FACILITY PROJECT OVERVIEW AND LIMITS OF WORK (SHEET 2 OF 5)	DATE 05/27/2022

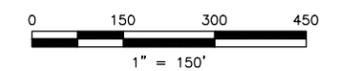
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 May 24, 2022 - 11:36pm
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- LEGEND:**
- SINGLE WALL SECTION
 - DOUBLE WALL SECTION (BACKFILLED)
 - DOUBLE WALL SECTION (FREE-STANDING)
 - SAFETY ZONE LIMITS
 - LIMITS OF WORK
 - ACCESS ROAD LIMITS
 - EXISTING OVERHEAD TRANSMISSION LINE
 - TO BE PROTECTED
 - TO BE REMOVED
 - POWER CANAL (C1320)
 - POWER CANAL DRAINAGE CULVERT
 - POWERHOUSE ACCESS ROAD
 - POWER CANAL ACCESS ROAD (C1321)
 - TRANSMISSION LINE (E1015)

- 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 J.C. BOYLE FACILITY DRAWINGS, INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
 3. SAFETY ZONE FREE OF DISTURBANCE, UNLESS SAFETY WORK IS REQUIRED.
 4. REMOVE ALL ABOVE-GROUND RELATED INFRASTRUCTURE, ASPHALT, AND CONCRETE, INCLUDING DECOMMISSIONING OF ACCESS ROADS AND PARKING AREAS. DISK/RIP AND REGRADE/RECONTOUR STAGING AREAS.
 5. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
 6. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E1000 SERIES DRAWINGS.
 7. REFER TO 100% DESIGN REPORT (VA103-640/1-9), APPENDIX K FOR HISTORIC DRAWINGS.

PLAN
1" = 150'

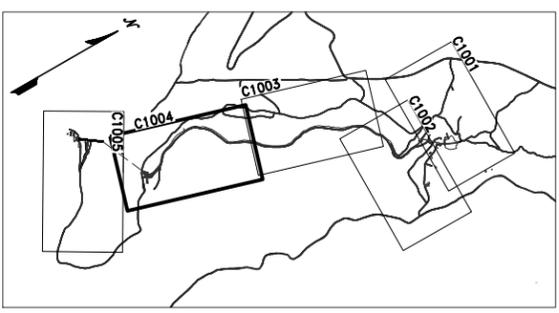
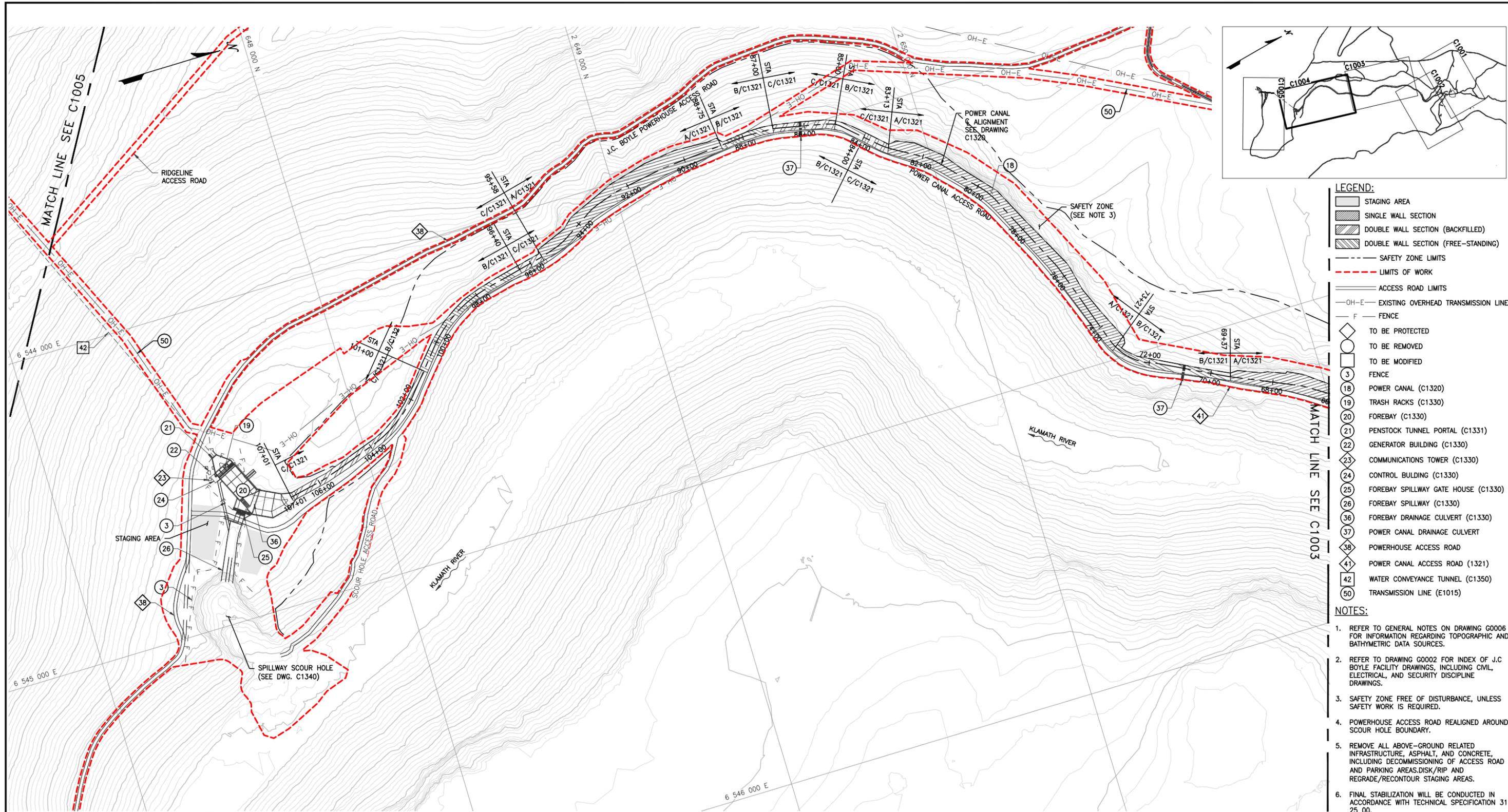


ISSUED FOR CONSTRUCTION



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 May 25, 2022 - 4:11 pm
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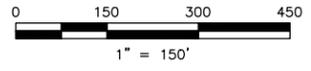


- LEGEND:**
- [Symbol] STAGING AREA
 - [Symbol] SINGLE WALL SECTION
 - [Symbol] DOUBLE WALL SECTION (BACKFILLED)
 - [Symbol] DOUBLE WALL SECTION (FREE-STANDING)
 - [Symbol] SAFETY ZONE LIMITS
 - [Symbol] LIMITS OF WORK
 - [Symbol] ACCESS ROAD LIMITS
 - [Symbol] EXISTING OVERHEAD TRANSMISSION LINE
 - [Symbol] FENCE
 - [Symbol] TO BE PROTECTED
 - [Symbol] TO BE REMOVED
 - [Symbol] TO BE MODIFIED
 - [Symbol] 3 FENCE
 - [Symbol] 18 POWER CANAL (C1320)
 - [Symbol] 19 TRASH RACKS (C1330)
 - [Symbol] 20 FOREBAY (C1330)
 - [Symbol] 21 PENSTOCK TUNNEL PORTAL (C1331)
 - [Symbol] 22 GENERATOR BUILDING (C1330)
 - [Symbol] 23 COMMUNICATIONS TOWER (C1330)
 - [Symbol] 24 CONTROL BUILDING (C1330)
 - [Symbol] 25 FOREBAY SPILLWAY GATE HOUSE (C1330)
 - [Symbol] 26 FOREBAY SPILLWAY (C1330)
 - [Symbol] 36 FOREBAY DRAINAGE CULVERT (C1330)
 - [Symbol] 37 POWER CANAL DRAINAGE CULVERT
 - [Symbol] 38 POWERHOUSE ACCESS ROAD
 - [Symbol] 41 POWER CANAL ACCESS ROAD (1321)
 - [Symbol] 42 WATER CONVEYANCE TUNNEL (C1350)
 - [Symbol] 50 TRANSMISSION LINE (E1015)

- 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 J.C. BOYLE FACILITY DRAWINGS, INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
 3. SAFETY ZONE FREE OF DISTURBANCE, UNLESS SAFETY WORK IS REQUIRED.
 4. POWERHOUSE ACCESS ROAD REALIGNED AROUND SCOUR HOLE BOUNDARY.
 5. REMOVE ALL ABOVE-GROUND RELATED INFRASTRUCTURE, ASPHALT, AND CONCRETE, INCLUDING DECOMMISSIONING OF ACCESS ROAD AND PARKING AREAS, DISK/RIP AND REGRADE/RECONTOUR STAGING AREAS.
 6. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
 7. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E1000 SERIES DRAWINGS.
 8. REFER TO 100% DESIGN REPORT (VA103-640/1-9), APPENDIX K FOR HISTORIC DRAWINGS.

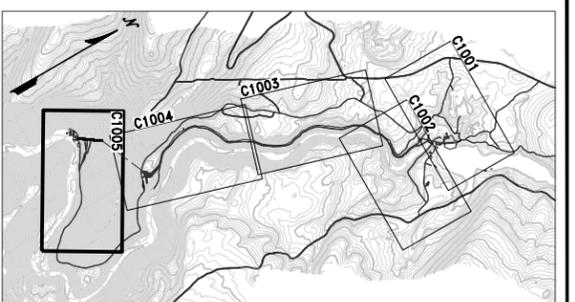
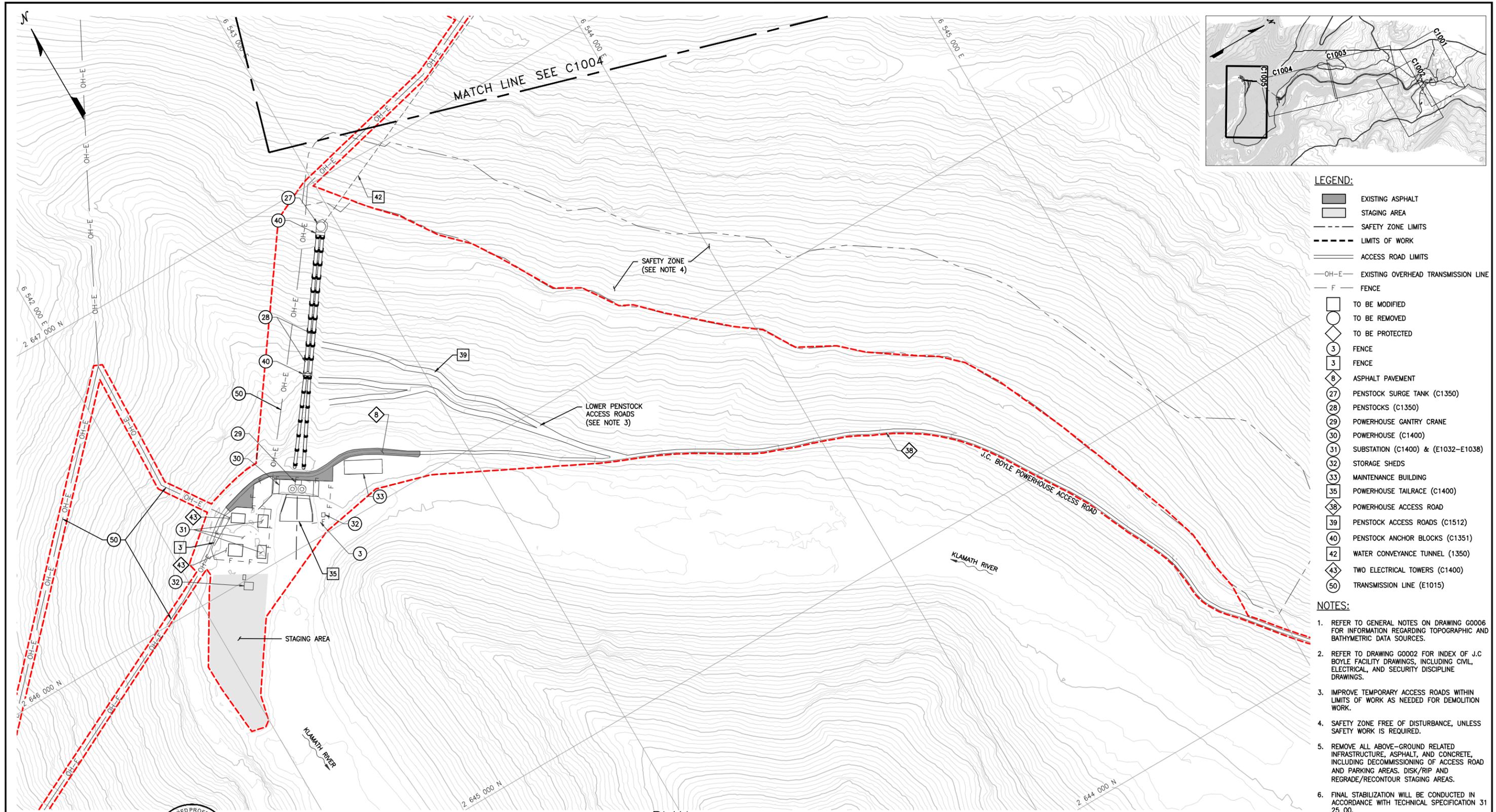
PLAN
1" = 150'

ISSUED FOR CONSTRUCTION



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0 ISSUED FOR CONSTRUCTION REV DESCRIPTION	CBN HE SRM05/27/22 BY CHK APP DATE	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. NIAMIR DRAWN R. McLELLAN REVIEWED H. ELWIN IN CHARGE N. BISHOP APPROVED S. MOTTRAM	PREPARED FOR KLAMATH RIVER RENEWAL CORPORATION	PROJECT KLAMATH RIVER RENEWAL PROJECT SHEET TITLE J.C. BOYLE FACILITY PROJECT OVERVIEW AND LIMITS OF WORK (SHEET 4 OF 5)	PROJ# VA103-640/1
							DATE 05/27/2022
							DWG C1004

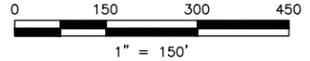


- LEGEND:**
- EXISTING ASPHALT
 - STAGING AREA
 - SAFETY ZONE LIMITS
 - LIMITS OF WORK
 - ACCESS ROAD LIMITS
 - OH-E EXISTING OVERHEAD TRANSMISSION LINE
 - F FENCE
 - TO BE MODIFIED
 - TO BE REMOVED
 - TO BE PROTECTED
 - 3 FENCE
 - 3 FENCE
 - 8 ASPHALT PAVEMENT
 - 27 PENSTOCK SURGE TANK (C1350)
 - 28 PENSTOCKS (C1350)
 - 29 POWERHOUSE GANTRY CRANE
 - 30 POWERHOUSE (C1400)
 - 31 SUBSTATION (C1400) & (E1032-E1038)
 - 32 STORAGE SHEDS
 - 33 MAINTENANCE BUILDING
 - 35 POWERHOUSE TAILRACE (C1400)
 - 38 POWERHOUSE ACCESS ROAD
 - 39 PENSTOCK ACCESS ROADS (C1512)
 - 40 PENSTOCK ANCHOR BLOCKS (C1351)
 - 42 WATER CONVEYANCE TUNNEL (1350)
 - 43 TWO ELECTRICAL TOWERS (C1400)
 - 50 TRANSMISSION LINE (E1015)

- 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 J.C. BOYLE FACILITY DRAWINGS, INCLUDING CIVIL, ELECTRICAL, AND SECURITY DISCIPLINE DRAWINGS.
 3. IMPROVE TEMPORARY ACCESS ROADS WITHIN LIMITS OF WORK AS NEEDED FOR DEMOLITION WORK.
 4. SAFETY ZONE FREE OF DISTURBANCE, UNLESS SAFETY WORK IS REQUIRED.
 5. REMOVE ALL ABOVE-GROUND RELATED INFRASTRUCTURE, ASPHALT, AND CONCRETE, INCLUDING DECOMMISSIONING OF ACCESS ROAD AND PARKING AREAS. DISK/RIP AND REGRADE/RECONTOUR STAGING AREAS.
 6. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
 7. THE FULL SCOPE OF THE ELECTRICAL REMOVALS IS SHOWN ON THE E1000 SERIES DRAWINGS.
 8. REFER TO 100% DESIGN REPORT (VA103-640/1-9), APPENDIX K FOR HISTORIC DRAWINGS.



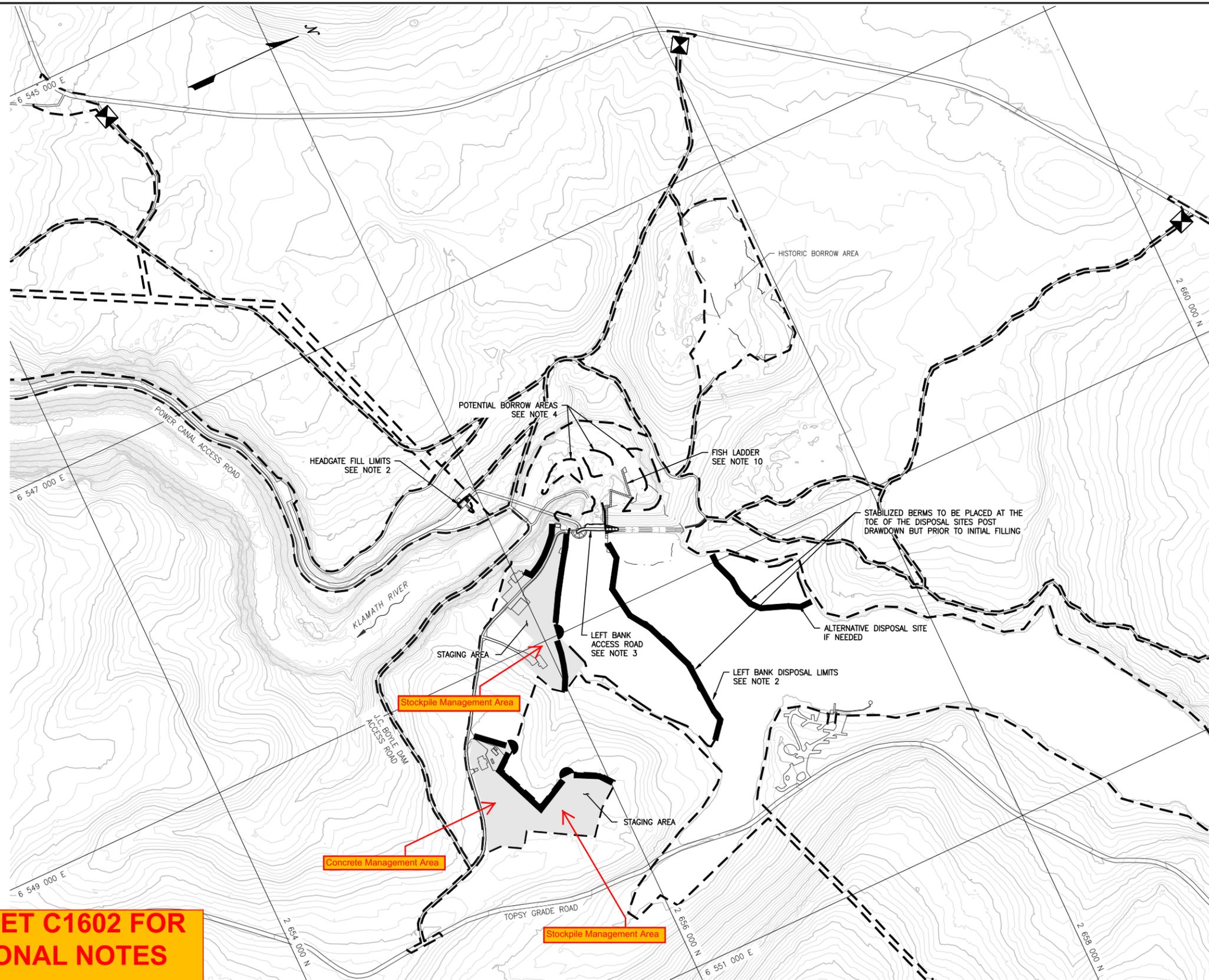
PLAN
1" = 150'



ISSUED FOR CONSTRUCTION

<p>0 ISSUED FOR CONSTRUCTION</p>	<p>CBN HE SRM05/27/22</p>	<p>WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</p>	<p>PREPARED BY Knigh Piesold CONSULTING Kiewit</p>	<p>DESIGNED: C. NIAMIR DRAWN: R. McLELLAN REVIEWED: H. ELWIN IN CHARGE: N. BISHOP APPROVED: S. MOTTRAM</p>	<p>PREPARED FOR KLAMATH RIVER RENEWAL CORPORATION</p>	<p>PROJECT KLAMATH RIVER RENEWAL PROJECT</p> <p>SHEET TITLE J.C. BOYLE FACILITY PROJECT OVERVIEW AND LIMITS OF WORK (SHEET 5 OF 5)</p>	<p>PROJ# VA103-640/1</p> <p>DATE 05/27/2022</p> <p>DWG# C1005</p>
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 May 24, 2022 - 4:45pm
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LEGEND:

-  STAGING AREA
-  CONSTRUCTION ENTRANCE
-  CHECK DAM
-  STABILIZED BERM
-  FILL LIMITS
-  LIMITS OF WORK

NOTES:

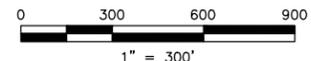
1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. DISPOSAL SITES AND THE CANAL HEADGATE COVER TO BE INITIALLY FILLED AT THE TOE WITH CLEAN GRANULAR MATERIAL TO FORM A TEMPORARY BERM THAT WILL DIVERT STORMWATER AND TRAP SEDIMENT.
3. TEMPORARY ACCESS ROADS TO BE CONSTRUCTED WITH A DOWNSTREAM SAFETY BERM TO DIVERT RUNOFF AND TRAP SEDIMENT. BERM TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
4. POTENTIAL BORROW AREAS EXCAVATED INTO ROCK AND DO NOT REQUIRE PROTECTION OR STABILIZATION.
5. THE CONTRACTOR TO LIMIT PERIMETER PROTECTION TO AREAS WHERE LOCAL DRAINAGE MAY MOBILIZE SILT OR SEDIMENT WITH SURFACE RUNOFF.
6. CHECK DAM AND STABILIZATION BERM DETAILS SHOWN ON C4601. CHECK DAMS USED IN CONJUNCTION WITH BERMS ALONG THE EDGES OF NEWLY CONSTRUCTED STAGING AREAS TO PREVENT EROSION.
7. SEE DRAWINGS C1620 TO C1624 FOR FINAL EROSION AND SEDIMENT CONTROL MEASURES.
8. EROSION AND SEDIMENT CONTROL MEASURES ARE SELECTED PER THE STATE OF OREGON CONSTRUCTION STORMWATER BMP MANUAL.
9. WATERING, AND IF NECESSARY STREET SWEEPING, OF CONSTRUCTION ROADS WILL BE PROVIDED FOR DUST AND POLLUTION CONTROL.
10. TEMPORARY AND FINAL EROSION AND SEDIMENT CONTROL MEASURES FOR FISH LADDER REMOVAL TO BE DETERMINED IN THE FIELD DUE TO PRESENCE OF STEEP TERRAIN AND EXISTING ROCK OUTCROPPINGS.

Site Condition	Minimum Frequency
1. Active period	On initial date that land disturbance activities commence. Within 24 hours of any storm event, including runoff from snow melt, that results in discharge from the site. At least once every 14 days, regardless of whether stormwater runoff is occurring.
2. Inactive periods greater than fourteen (14) consecutive calendar days	The Inspector may reduce the frequency of inspections in any area of the site where the stabilization steps in Section 2.2.20 have been completed to twice per month for the first month, no less than 14 calendar days apart, then once per month.
3. Periods during which the site is inaccessible due to inclement weather	If safe, accessible and practical, inspections must occur daily at a relevant discharge point or downstream location of the receiving waterbody.
4. Periods during which construction activities are suspended and runoff is unlikely due to frozen conditions.	Visual monitoring inspections may be temporarily suspended. Immediately resume monitoring upon thawing, or when weather conditions make discharges likely.
5. Periods during which construction activities are conducted and runoff is unlikely during frozen conditions.	Visual monitoring inspections may be reduced to once a month. Immediately resume monitoring upon thawing, or when weather conditions make discharges likely.

SEE SHEET C1602 FOR ADDITIONAL NOTES

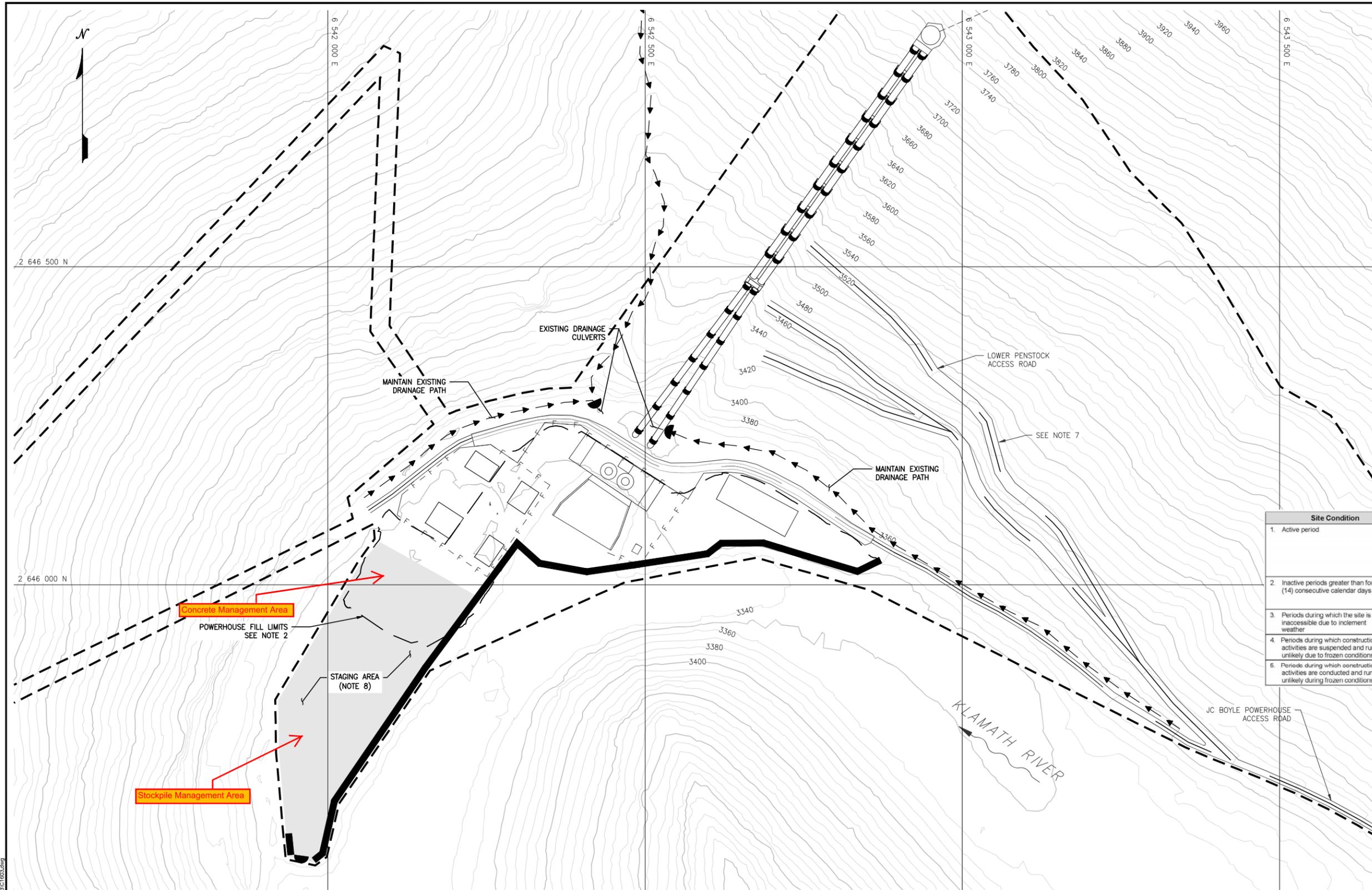
PLAN
1" = 300'

ISSUED FOR CONSTRUCTION



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	<p>WARNING</p> <p>0 1/2 1</p>  <p>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</p>	<p>PREPARED BY:</p> <p> Knight Piésold Consulting</p> <p> Kiewit</p>	<p>DESIGNED: L. BUETIKOFER</p> <p>DRAWN: R. MARTIN</p> <p>REVIEWED: C. NIAMIR</p> <p>IN CHARGE: N. BISHOP</p> <p>APPROVED: S. MOTTRAM</p>	<p>PREPARED FOR:</p> <p> KLAMATH RIVER RENEWAL CORPORATION</p>	<p>PROJECT: KLAMATH RIVER RENEWAL PROJECT</p> <p>SHEET TITLE: J.C. BOYLE FACILITY TEMPORARY EROSION AND SEDIMENT CONTROL EMBANKMENT, SPILLWAY, AND INTAKE</p>	<p>PROJ # VA103-640/1</p> <p>DATE 05/27/2022</p> <p>DWG C1600</p>
<p>0 ISSUED FOR CONSTRUCTION</p> <p>REV DESCRIPTION</p>	<p>BY LB</p> <p>CHK</p> <p>APP</p> <p>DATE 05/27/22</p>					



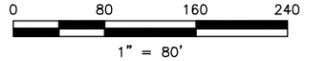
- LEGEND:**
- STAGING AREA
 - CHECK DAM
 - STABILIZED BERM
 - EXISTING DRAINAGE
 - FILL LIMITS
 - LIMITS OF WORK
- NOTES:**
1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
 2. THE POWERHOUSE REMOVAL AND GRADING TO BE INITIALLY FILLED AT THE RIVER EDGE WITH CLEAN MATERIAL TO FORM A TEMPORARY BERM THAT WILL DIVERT STORMWATER AND TRAP SEDIMENT.
 3. THE CONTRACTOR TO LIMIT PERIMETER CONTROL TO AREAS WHERE LOCAL DRAINAGE MAY MOBILIZE SILT OR SEDIMENT WITH SURFACE RUNOFF.
 4. SEE DRAWINGS C1620 TO C1624 FOR FINAL EROSION AND SEDIMENT CONTROL MEASURES.
 5. CHECK DAM AND STABILIZATION BERM DETAILS SHOWN ON C4601. CHECK DAMS USED IN CONJUNCTION WITH BERMS ALONG THE EDGES OF NEWLY CONSTRUCTED STAGING AREAS TO PREVENT EROSION.
 6. EROSION AND SEDIMENT CONTROL MEASURES ARE SELECTED PER THE STATE OF OREGON CONSTRUCTION BMP MANUAL.
 7. SEDIMENT GENERATED UPSLOPE CONVEYED TO A CHECK DAM BEFORE ENTERING EXISTING CULVERT.
 8. TREES AND OTHER VEGETATION TO BE REMOVED FROM STAGING AREA PRIOR TO DEMOLITION AND REGRADING ACTIVITIES.

Site Condition	Minimum Frequency
1. Active period	On initial date that land disturbance activities commence. Within 24 hours of any storm event, including runoff from snow melt, that results in discharge from the site. At least once every 14 days, regardless of whether stormwater runoff is occurring.
2. Inactive periods greater than fourteen (14) consecutive calendar days	The Inspector may reduce the frequency of inspections in any area of the site where the stabilization steps in Section 2.2.20 have been completed to twice per month for the first month, no less than 14 calendar days apart, then once per month.
3. Periods during which the site is inaccessible due to inclement weather	If safe, accessible and practical, inspections must occur daily at a relevant discharge point or downstream location of the receiving waterbody.
4. Periods during which construction activities are suspended and runoff is unlikely due to frozen conditions	Visual monitoring inspections may be temporarily suspended. Immediately resume monitoring upon thawing, or when weather conditions make discharges likely.
5. Periods during which construction activities are conducted and runoff is unlikely during frozen conditions.	Visual monitoring inspections may be reduced to once a month. Immediately resume monitoring upon thawing, or when weather conditions make discharges likely.

SEE SHEET C1602 FOR ADDITIONAL NOTES

PLAN
1" = 80'

ISSUED FOR CONSTRUCTION



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

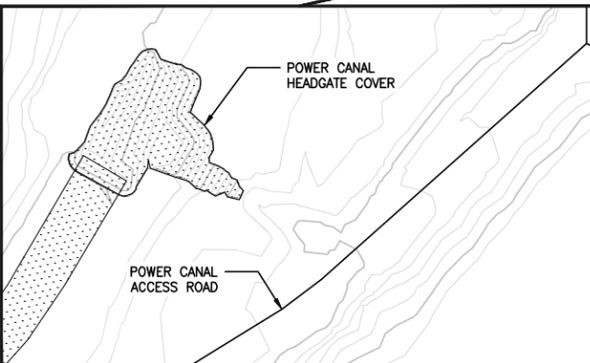
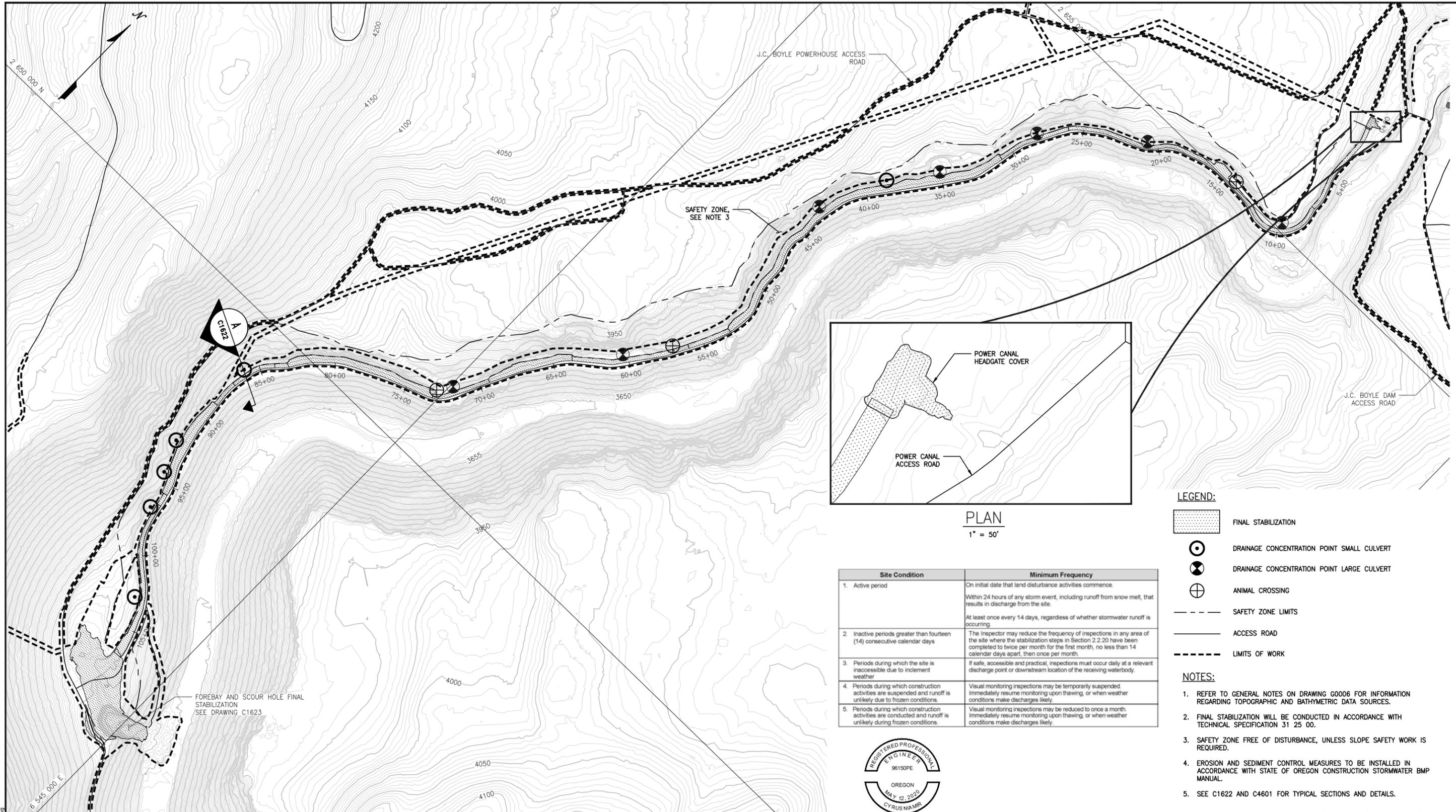
WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

PREPARED BY:

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

PREPARED FOR:

PROJECT	KLAMATH RIVER RENEWAL PROJECT		PROJ#	VA103-640/1
SHEET TITLE	J.C. BOYLE FACILITY TEMPORARY EROSION AND SEDIMENT CONTROL PENSTOCK AND POWERHOUSE		DATE	05/27/2022
			DWG	C1603



PLAN
1" = 50'

LEGEND:

- FINAL STABILIZATION
- DRAINAGE CONCENTRATION POINT SMALL CULVERT
- DRAINAGE CONCENTRATION POINT LARGE CULVERT
- ANIMAL CROSSING
- SAFETY ZONE LIMITS
- ACCESS ROAD
- LIMITS OF WORK

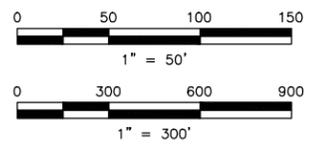
NOTES:

1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
2. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
3. SAFETY ZONE FREE OF DISTURBANCE, UNLESS SLOPE SAFETY WORK IS REQUIRED.
4. EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH STATE OF OREGON CONSTRUCTION STORMWATER BMP MANUAL.
5. SEE C1622 AND C4601 FOR TYPICAL SECTIONS AND DETAILS.

Site Condition	Minimum Frequency
1. Active period	On initial date that land disturbance activities commence. Within 24 hours of any storm event, including runoff from snow melt, that results in discharge from the site. At least once every 14 days, regardless of whether stormwater runoff is occurring.
2. Inactive periods greater than fourteen (14) consecutive calendar days	The Inspector may reduce the frequency of inspections in any area of the site where the stabilization steps in Section 2.2.20 have been completed to twice per month for the first month, no less than 14 calendar days apart, then once per month.
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5. Periods during which construction activities are conducted and runoff is unlikely during frozen conditions	Visual monitoring inspections may be reduced to once a month. Immediately resume monitoring upon thawing, or when weather conditions make discharges likely.



PLAN
1" = 300'



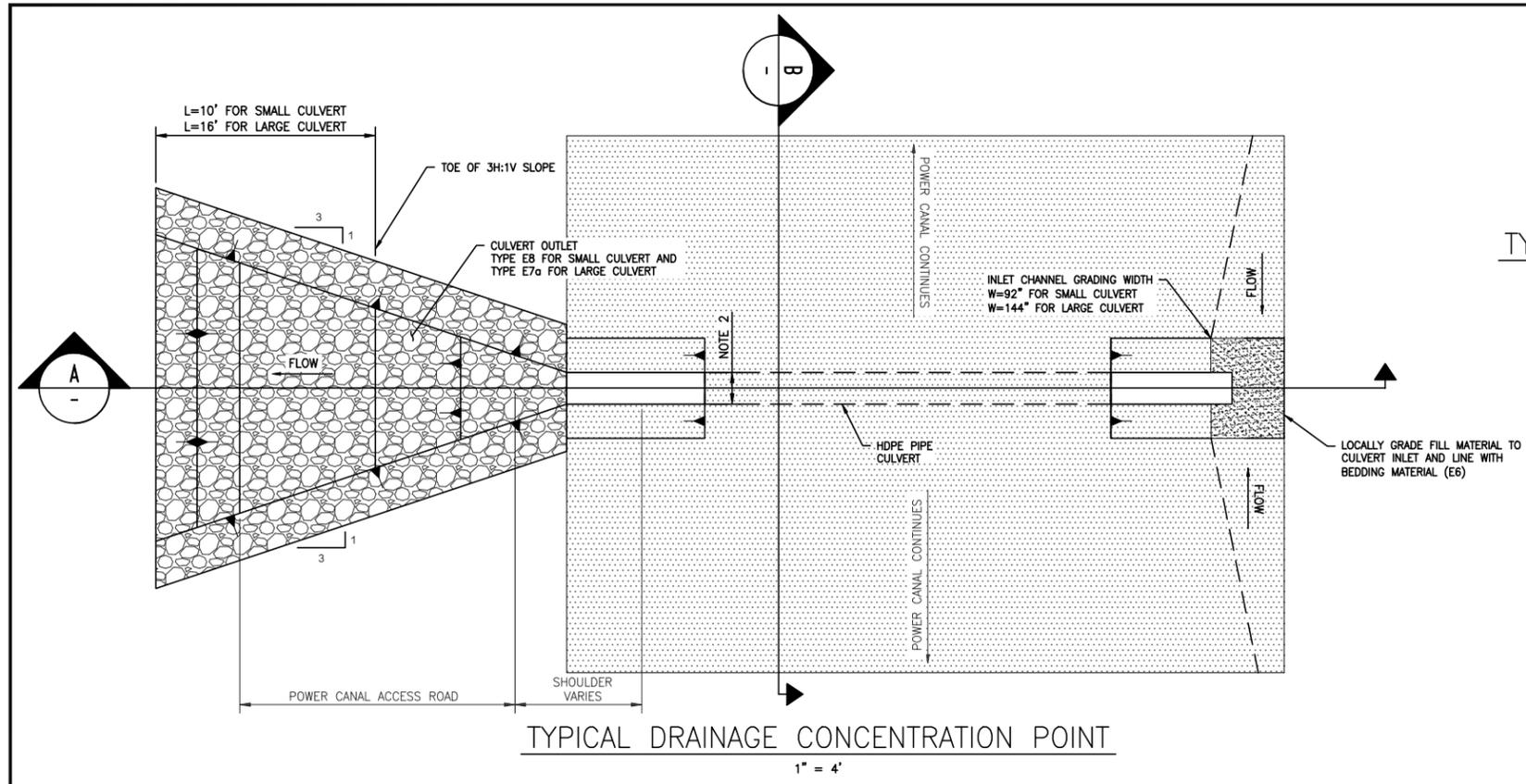
SEE SHEET C1602 FOR ADDITIONAL NOTES

ISSUED FOR CONSTRUCTION

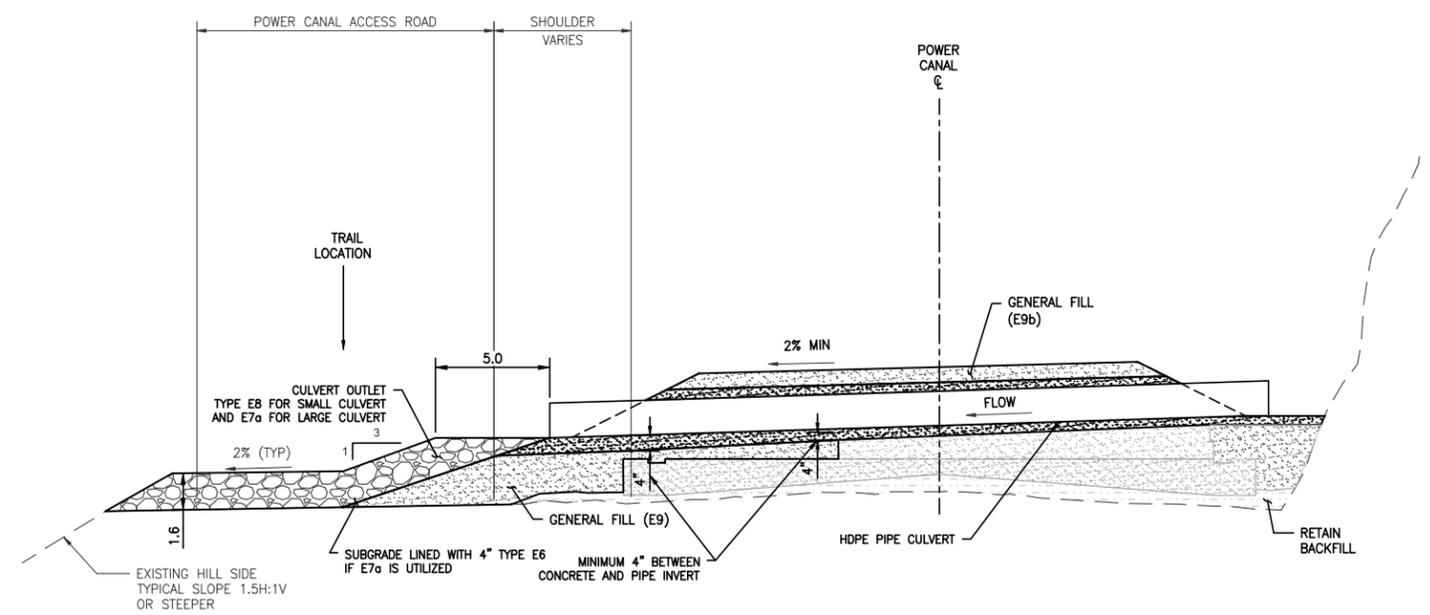
0 ISSUED FOR CONSTRUCTION REV DESCRIPTION LB CBN SRM 05/27/22 BY CHK APP DATE	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	PREPARED BY 	DESIGNED L. BUETIKOFER DRAWN R. MARTIN REVIEWED C. NIAMIR IN CHARGE N. BISHOP APPROVED S. MOTTRAM	PREPARED FOR 	PROJECT KLAMATH RIVER RENEWAL PROJECT SHEET TITLE J.C. BOYLE FACILITY FINAL EROSION AND SEDIMENT CONTROL POWER CANAL	PROJ# VA103-640/1
						DATE 05/27/2022

C1621

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 d:\projects\1621\1621.dwg, May 23, 2022, 3:21 pm



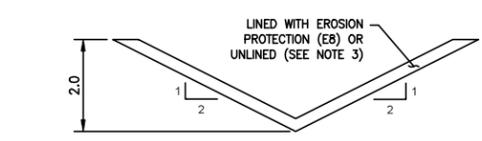
TYPICAL DRAINAGE CONCENTRATION POINT
1" = 4'



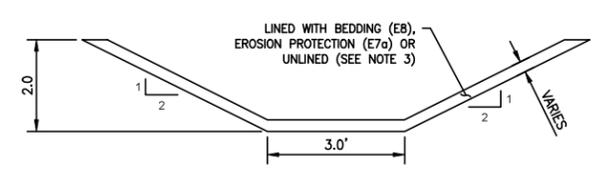
TYPICAL DRAINAGE CONCENTRATION POINT SECTION (NOTE 1)
1" = 4'



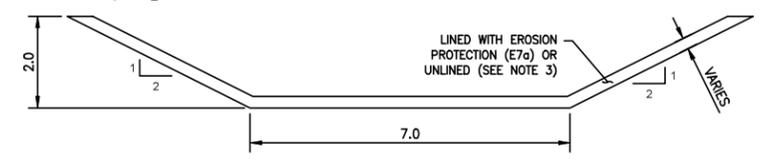
SEE SHEET C1602 FOR ADDITIONAL NOTES



TYPE 1 DRAINAGE SWALE - DETAIL
1" = 2'

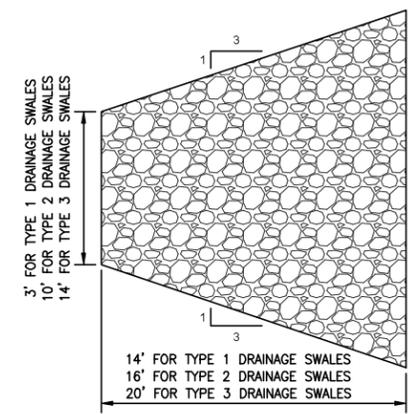


TYPE 2 DRAINAGE SWALE - DETAIL
1" = 2'

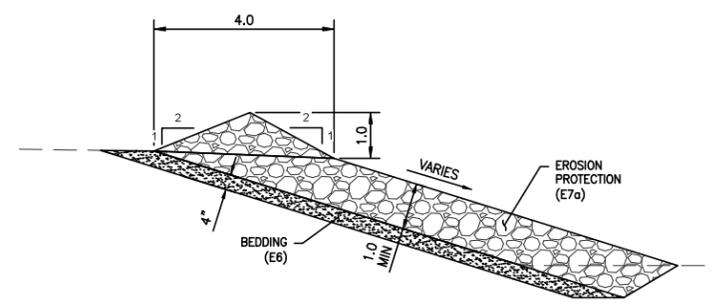


TYPE 3 DRAINAGE SWALE - DETAIL
1" = 2'

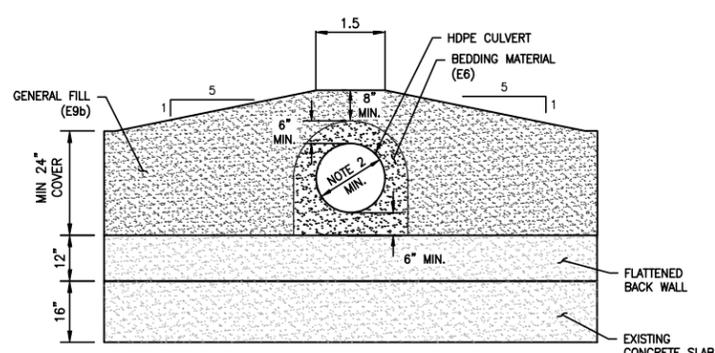
LINING TYPE	MIN. LINING THICKNESS
E8	8"
E7a	24"



ENERGY DISSIPATER - PLAN
NTS



ENERGY DISSIPATER - DETAIL
NTS



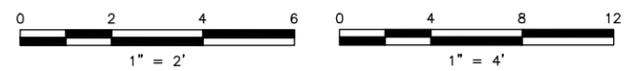
TYPICAL DRAINAGE CULVERT - DETAIL
1" = 2'

LEGEND:

- FINAL STABILIZATION
- GENERAL FILL (E9/E9b)
- BEDDING MATERIAL (E6/E8)
- EROSION PROTECTION (E7a)

NOTES:

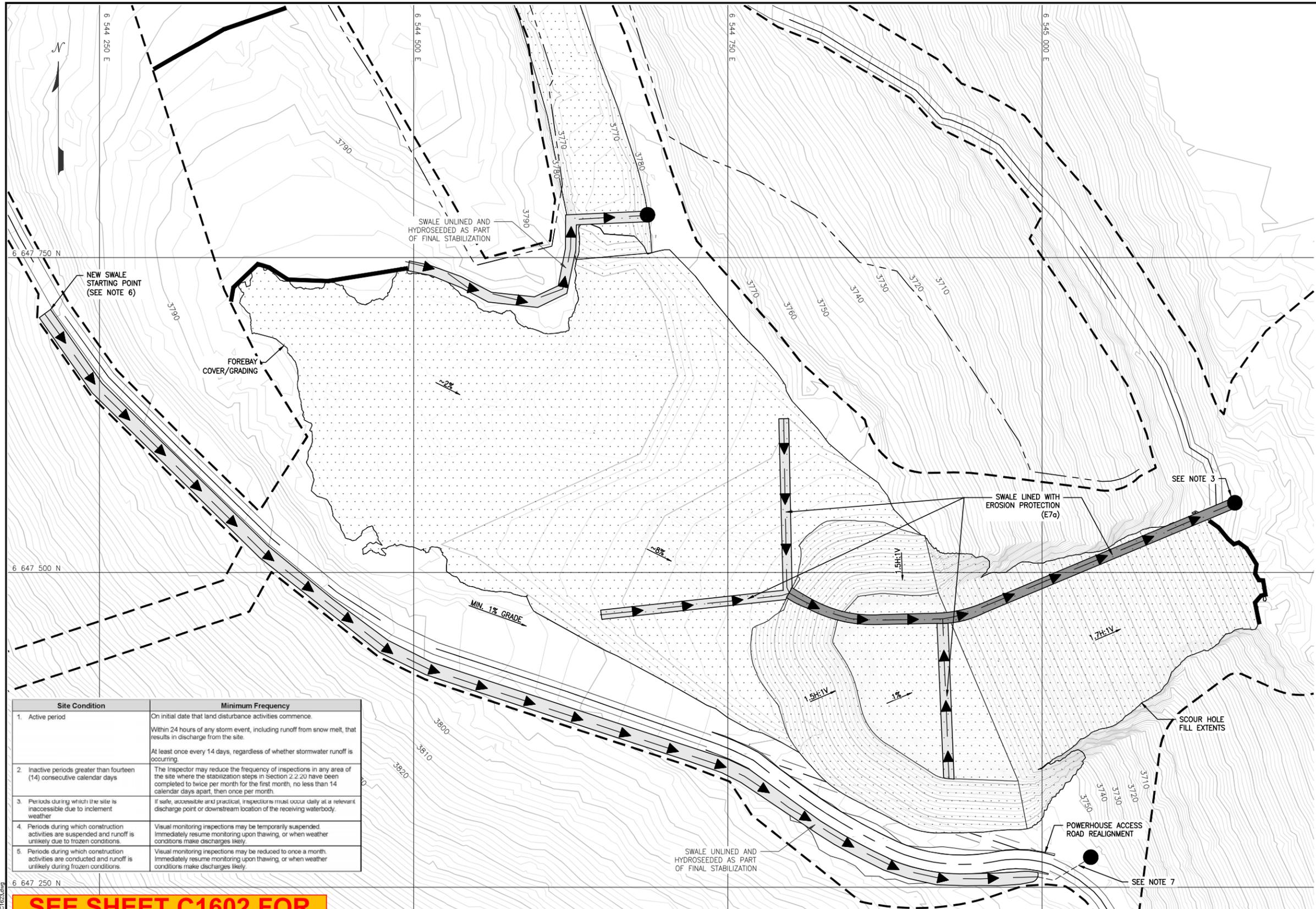
1. DOUBLE WALL SECTION SHOWN. SAME DETAILS APPLY TO AREAS OF SINGLE WALL AND DOUBLE WALL (FREE STANDING).
2. SMALL CULVERT DIAMETER = 18". LARGE CULVERT DIAMETER = 36".
3. SPECIFIC SWALE LINING REQUIREMENTS SHOWN ON EACH ASSOCIATED PLAN VIEW DRAWING WHERE DRAINAGE SWALE LOCATIONS ARE SHOWN. UNLINED DRAINAGE SWALES TO BE HYDROSEEDED AS PART OF FINAL STABILIZATION.
4. EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH STATE OF OREGON CONSTRUCTION STORMWATER BMP MANUAL.
5. FINAL STABILIZATION TO BE CONDUCTED PER TECHNICAL SPECIFICATION 31 25 00.
6. DETAILS FOR STABILIZED BERMS AND CHECK DAM CONFIGURATIONS SHOWN ON DRAWING C4601.



ISSUED FOR CONSTRUCTION

0 ISSUED FOR CONSTRUCTION REV DESCRIPTION BY CHK APP DATE	LB CBNSRM05/27/22	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	PREPARED BY Knight Piesold CONSULTING Kiewit	DESIGNED L. BUETIKOFER	PREPARED FOR KLAMATH RIVER RENEWAL CORPORATION	PROJECT KLAMATH RIVER RENEWAL PROJECT	PROJ# VA103-640/1
				DRAWN R. MARTIN REVIEWED C. NIAMIR IN CHARGE N. BISHOP APPROVED S. MOTTRAM			DATE 05/27/2022

dm:shim, May 24, 2022, 8:54am
 file:///C:/Users/ps102023/OneDrive/Desktop/1602/C1622.dwg



- LEGEND:**
- FINAL STABILIZATION
 - DRAINAGE CONCENTRATION POINT LARGE CULVERT
 - ENERGY DISSIPATER
 - STABILIZED BERM
 - TYPE 2 DRAINAGE SWALE
 - TYPE 3 DRAINAGE SWALE
 - SAFETY ZONE
 - LIMITS OF WORK

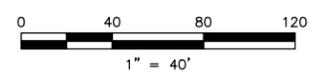
- NOTES:**
1. REFER TO GENERAL NOTES ON DRAWING G0006 FOR INFORMATION REGARDING TOPOGRAPHIC AND BATHYMETRIC DATA SOURCES.
 2. FINAL STABILIZATION WILL BE CONDUCTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 31 25 00.
 3. ENERGY DISSIPATER NOT REQUIRED IF DRAINAGE SWALE OUTLETS TO EXISTING ROCK PILES.
 4. EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH STATE OF OREGON CONSTRUCTION STORMWATER BMP MANUAL.
 5. SEE C1622 AND C4601 FOR TYPICAL SECTIONS AND DETAILS.
 6. A NEW DRAINAGE SWALE TO BE INSTALLED ALONG THE EXISTING POWERHOUSE ACCESS ROAD TO DIVERT RUNOFF FROM THE ADJACENT HILLSIDE AROUND THE SCOUR HOLE FILL AREA.
 7. CULVERT OR SWALE TO BE FIELD FIT BASED ON ENCOUNTERED SITE CONDITIONS. FLOW TO DISCHARGE TO AN ENERGY DISSIPATER.

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SEE SHEET C1602 FOR ADDITIONAL NOTES

PLAN
1" = 40'

ISSUED FOR CONSTRUCTION



dwg:lbm, May 24, 2022, 9:00am
C:\Users\lbm\OneDrive\Documents\1623\C1623.dwg

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