

WASHINGTON STATE PARKS & RECREATION COMMISSION

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MICHAEL LATIMER
ALI RAAD

LAURIE CONNELLY
SCOTT MERRIMAN
HOLLY WILLIAMS

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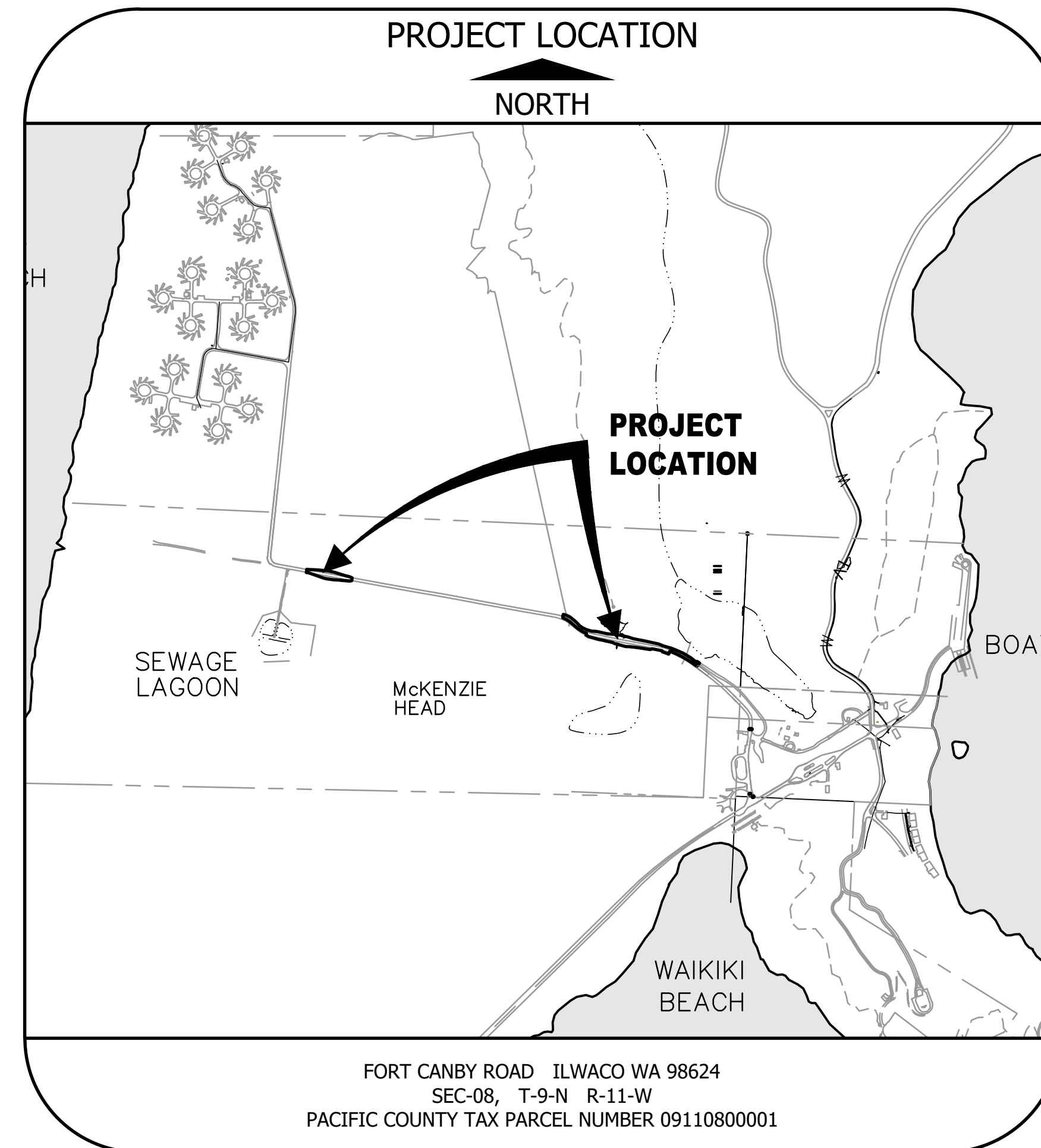
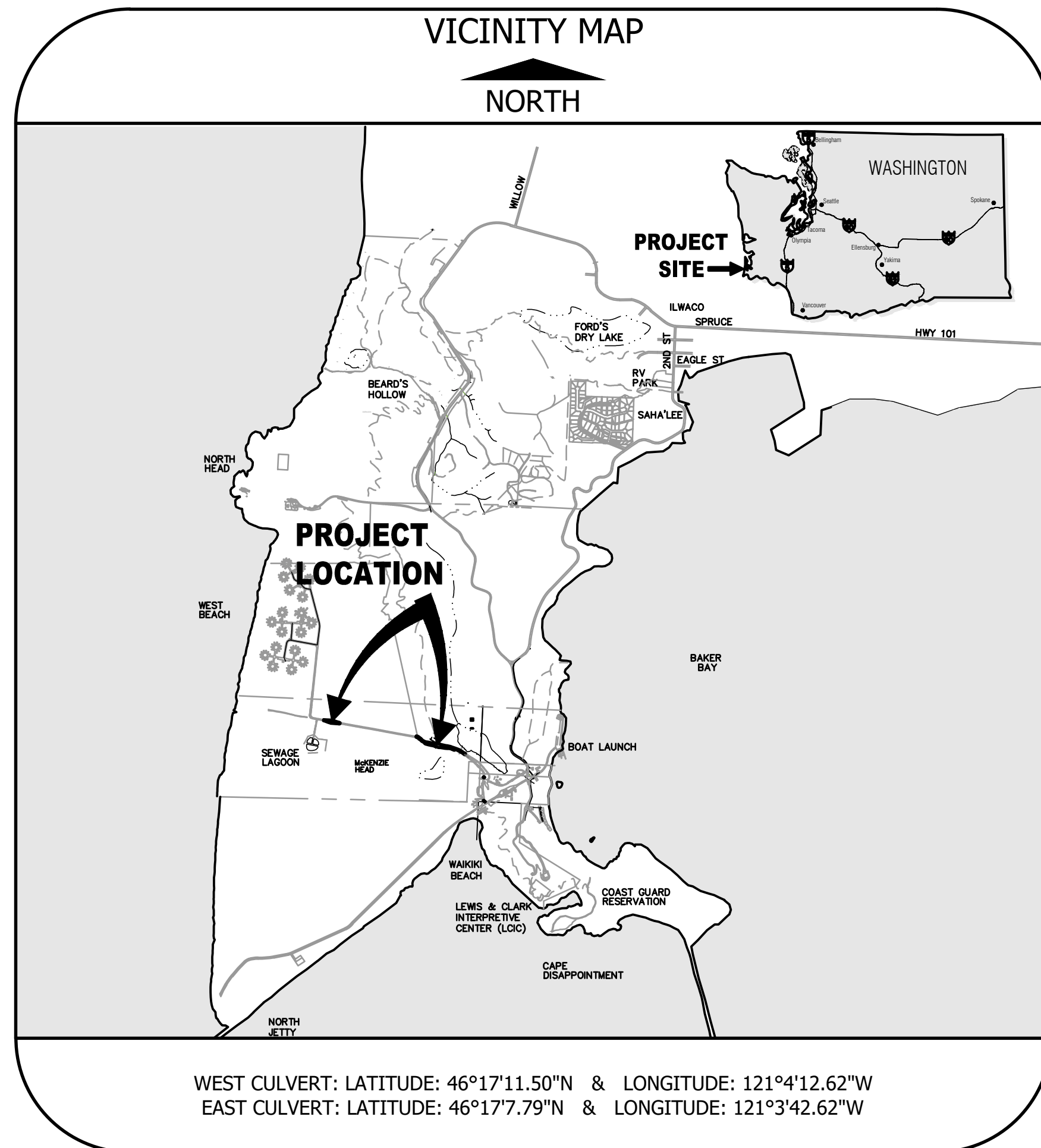


APPROVED FOR CONSTRUCTION

Miles E. Wenzel 06/06/2024
REGION MANAGER date
Kyle Murphy 06/06/2024
CAPITAL PROGRAM MANAGER date

CAPE DISAPPOINTMENT STATE PARK REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

Area Manager: EVAN ROBERTS



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PROJECT TEAM

OWNER: STATE OF WASHINGTON
 PARKS AND RECREATION COMMISSION
 1111 ISRAEL ROAD SOUTHWEST
 POST OFFICE BOX 42650
 OLYMPIA, WASHINGTON 98504-2650
 www.parks.wa.gov

OWNER'S REPRESENTATIVE: WASHINGTON STATE PARKS AND RECREATION COMMISSION



PROJECT ENGINEERING CONSULTANTS



ENVIRONMENTAL SCIENCE ASSOCIATES, INC
 819 SE MORRISON STREET, SUITE #310
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CAD NO. XX

	DATE
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ACTION	BY	DATE
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REGISTERED STAMP

WASHINGTON
 STATE
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 AND
 RECREATION
 COMMISSION



CAPE
 DISAPPOINTMENT
 STATE PARK

REPLACE FAILING
 CULVERTS ON
 CAMPGROUND
 ACCESS ROAD

PROJECT TEAM

G-2

SCALE
 NONE

PARKS FILE#

LEGEND

	EXISTING	PROPOSED
SAWCUT	— W — W —	— SAWGT —
UNDERGROUND WATER LINE	— W — W —	— W — W —
UNDERGROUND SANITARY SEWER LINE	— S — S — S —	— S — S — S —
UNDERGROUND POWER LINE	— E — E — E —	— (UG) E —
UNDERGROUND COMMUNICATIONS TV LINE	— T — T —	— (UG) T —
UNDERGROUND FIBER OPTIC LINE	—	— FO —
CONTOUR MINOR	-----	-----
CONTOUR MAJOR	-----310-----	-----
WATER VALVE		
JUNCTION BOX		
WETLAND FLAG		
SIGN		
SUBSURFACE TEST PIT		
CONTROL POINT		
WETLAND BOUNDARY	— WET — WET — WET —	
MANHOLE		
MONITORING WELL		
WETLAND HATCH		
CABLE BOX		
CULVERT		
GUARDRAIL		
DRAINAGE DITCH	-----	-----
STORM DRAIN		— SD — SD — SD —
STREAM BED CENTERLINE	-----	-----

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CAPE DISAPPOINTMENT STATE PARK

REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

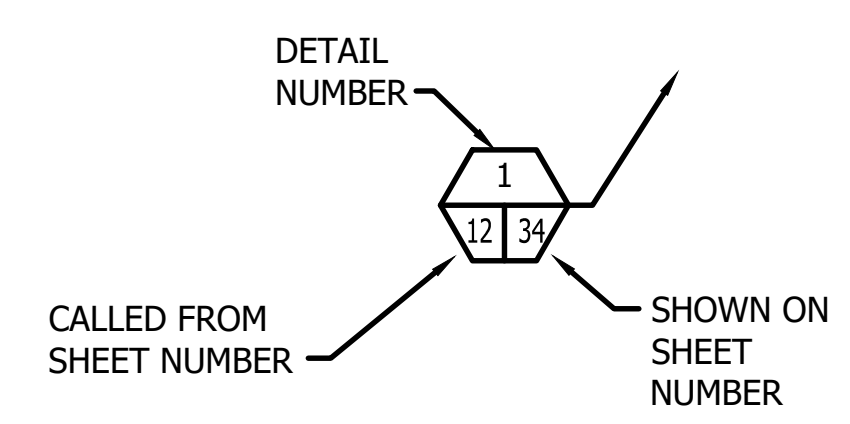
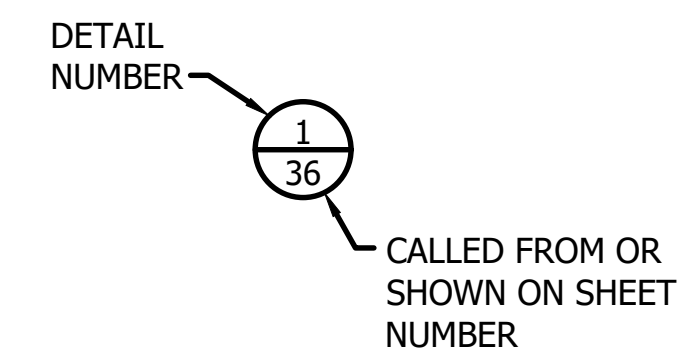
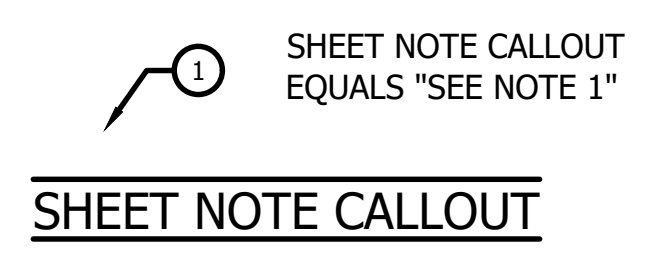
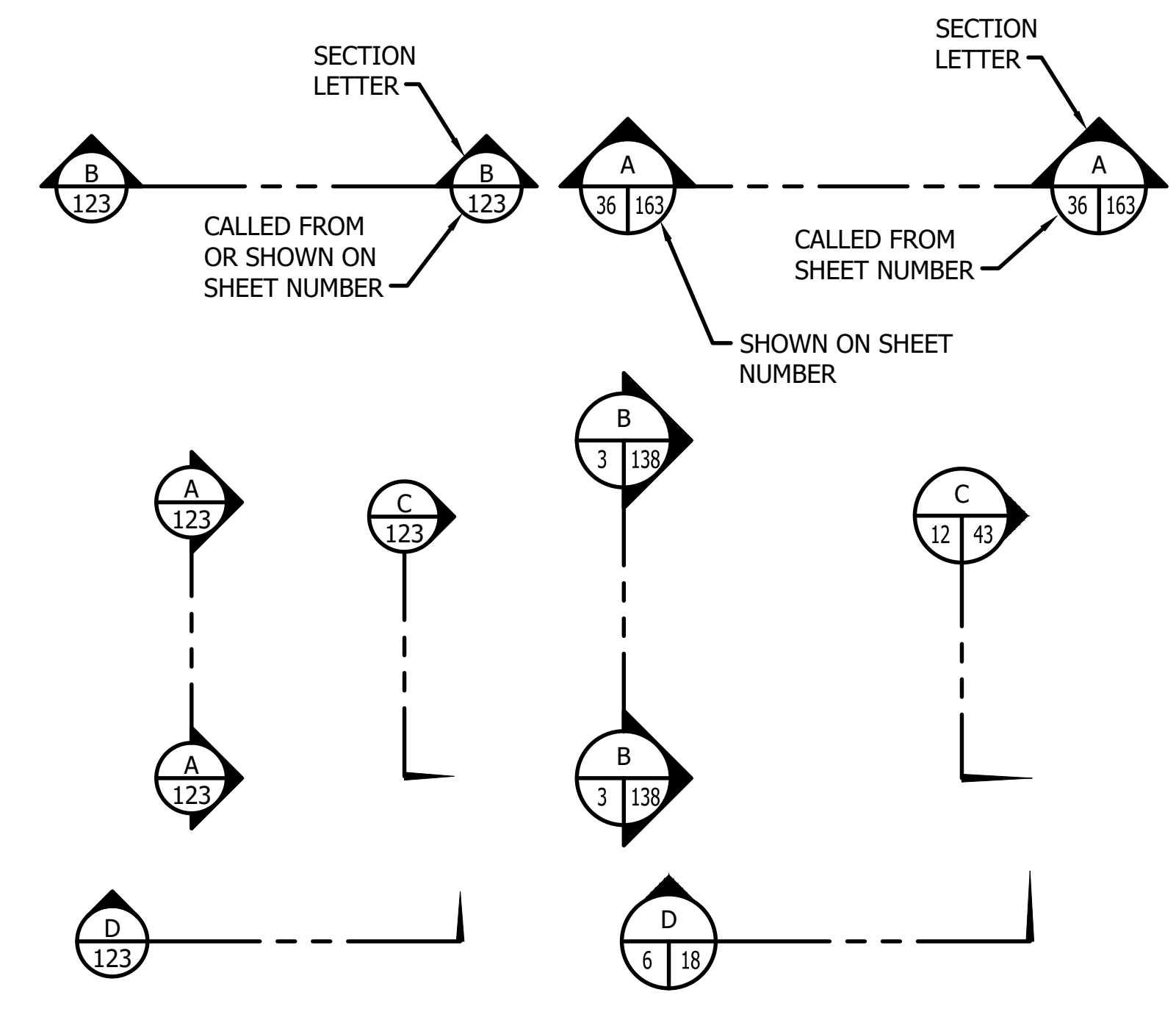
GENERAL LEGEND

G-3

SCALE NONE

PARKS FILE#

SHEET SYMBOLS



2 PART SECTION CALLOUTS

3 PART SECTION CALLOUTS

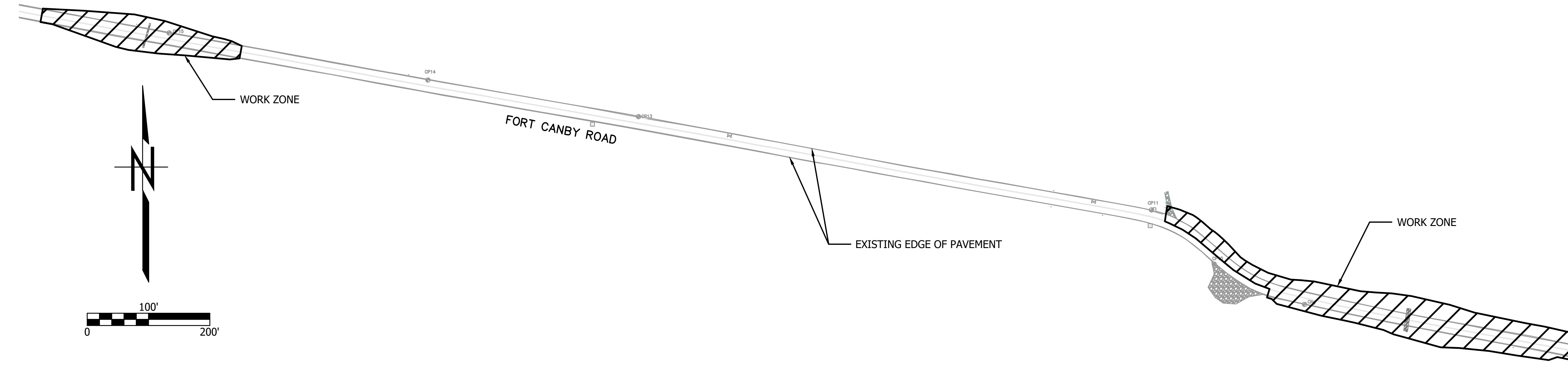
CALLOUTS

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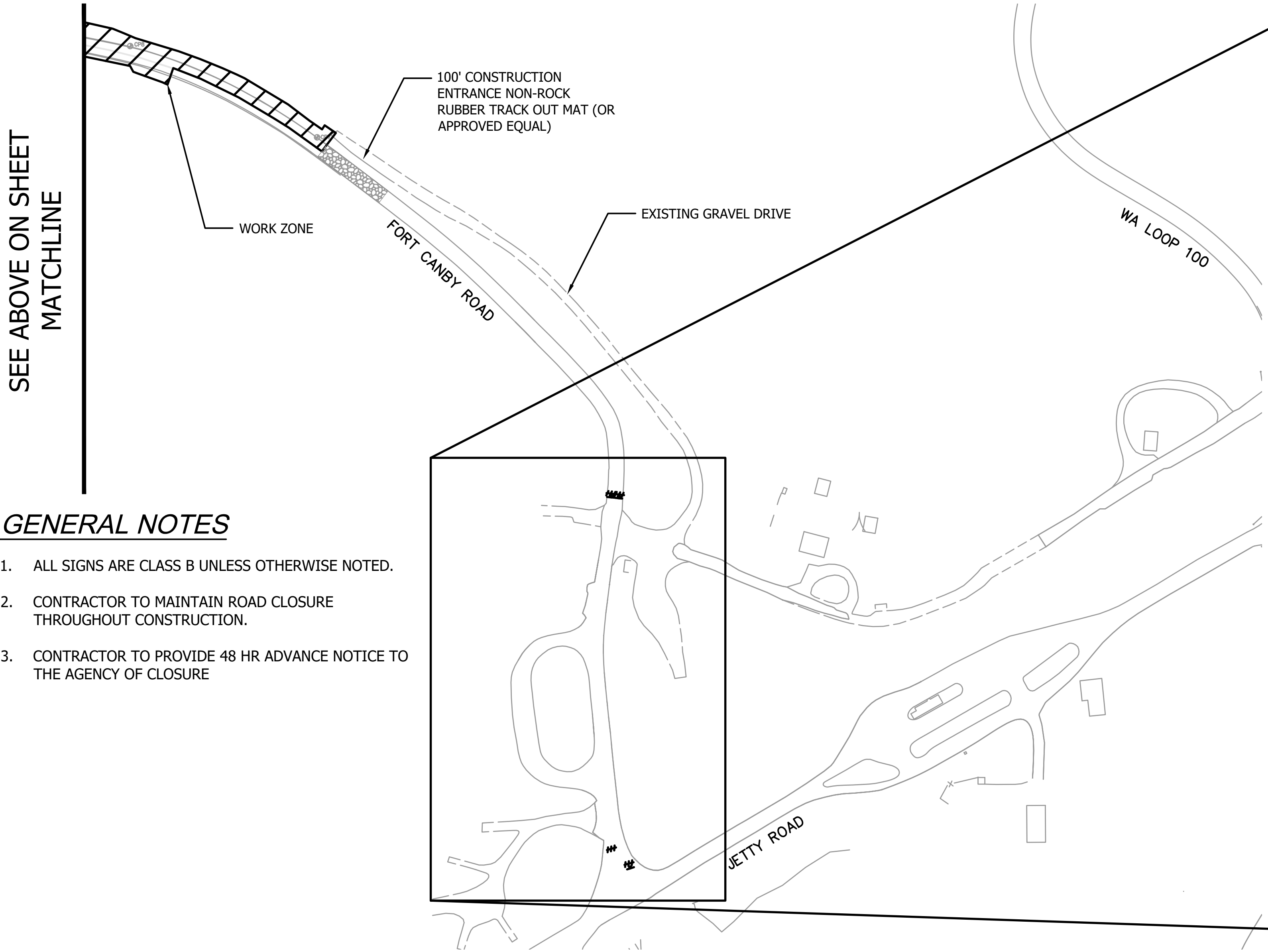


Know what's below. Call before you dig.

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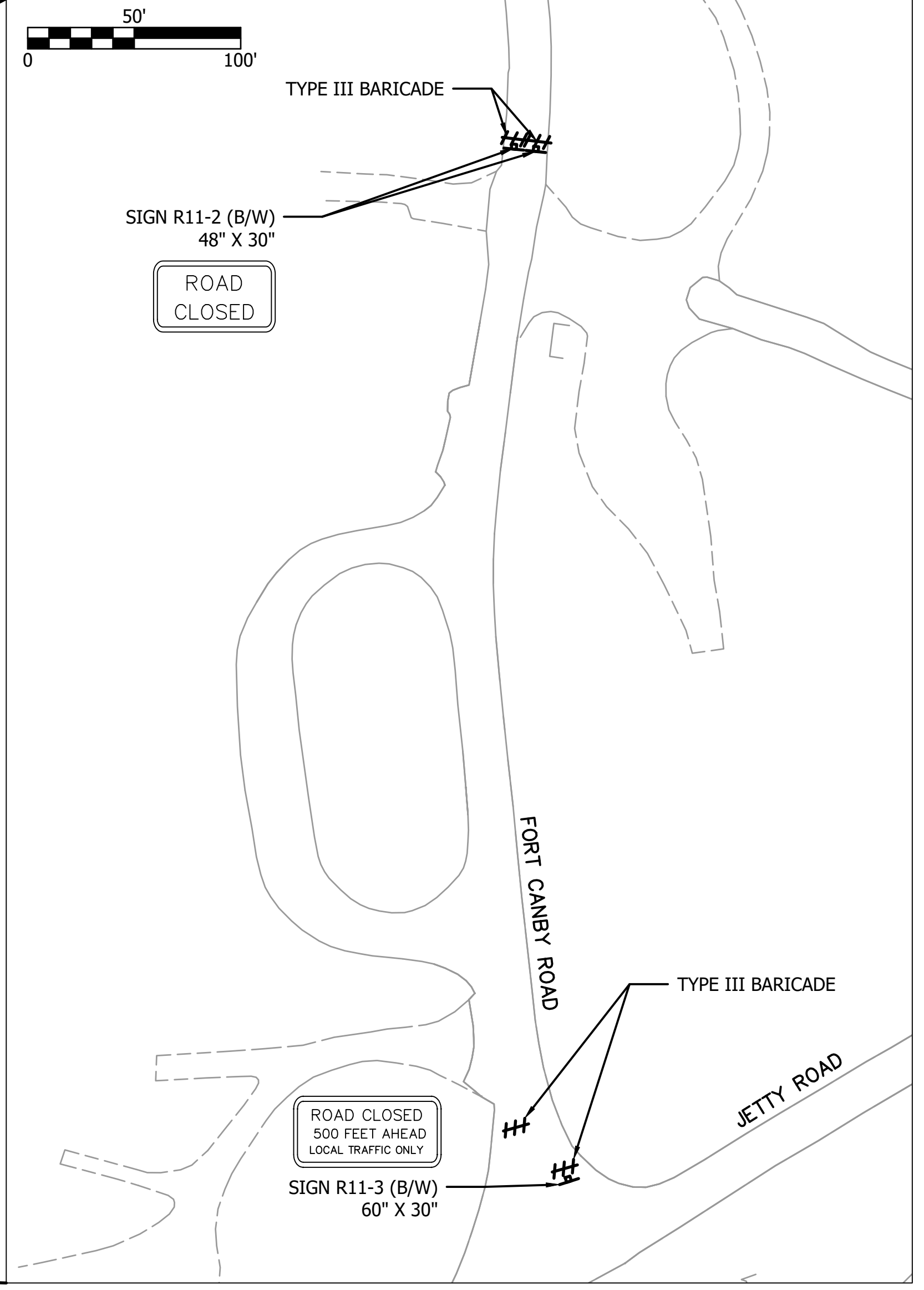
SEE BELOW ON SHEET
MATCHLINE



GENERAL NOTES

1. ALL SIGNS ARE CLASS B UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO MAINTAIN ROAD CLOSURE THROUGHOUT CONSTRUCTION.
3. CONTRACTOR TO PROVIDE 48 HR ADVANCE NOTICE TO THE AGENCY OF CLOSURE

ROAD CLOSURE PLAN



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CAPE
DISAPPOINTMENT
STATE PARK

REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD

CONSTRUCTION
STAGING PLAN

G-5

SCALE
NONE

PARKS FILE#

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EROSION CONTROL GENERAL NOTES

1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES).
2. THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC BMPS IS THE RESPONSIBILITY OF THE APPLICANT UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
3. CLEARLY FLAG THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT FOR THE DURATION OF CONSTRUCTION.
4. CONSTRUCT THE ESC BMPS SHOWN ON THIS PLAN IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE ESC BMPS SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, UPGRADE THESE ESC BMPS AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
6. THE APPLICANT SHALL INSPECT THE ESC BMPS DAILY AND MAINTAIN THEM AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
7. INSPECT AND MAINTAIN THE ESC BMPS ON INACTIVE SITES A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT (I.E. A 24-HOUR STORM EVENT WITH A 10-YR OR GREATER RECURRENCE INTERVAL).
8. AT NO TIME SHALL THE SEDIMENT EXCEED 60-PERCENT OF THE SUMP DEPTH OR HAVE LESS THAN 6-INCHES OF CLEARANCE FROM THE SEDIMENT SURFACE TO THE INVERT OF THE LOWEST PIPE. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. INSTALL STABILIZED CONSTRUCTION ENTRANCES AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

CAD NO. XX

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03/22/2024

REGISTERED STAMP

WASHINGTON
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AND
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COMMISSION



CAPE
DISAPPOINTMENT
STATE PARK

REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD

EROSION CONTROL
NOTES

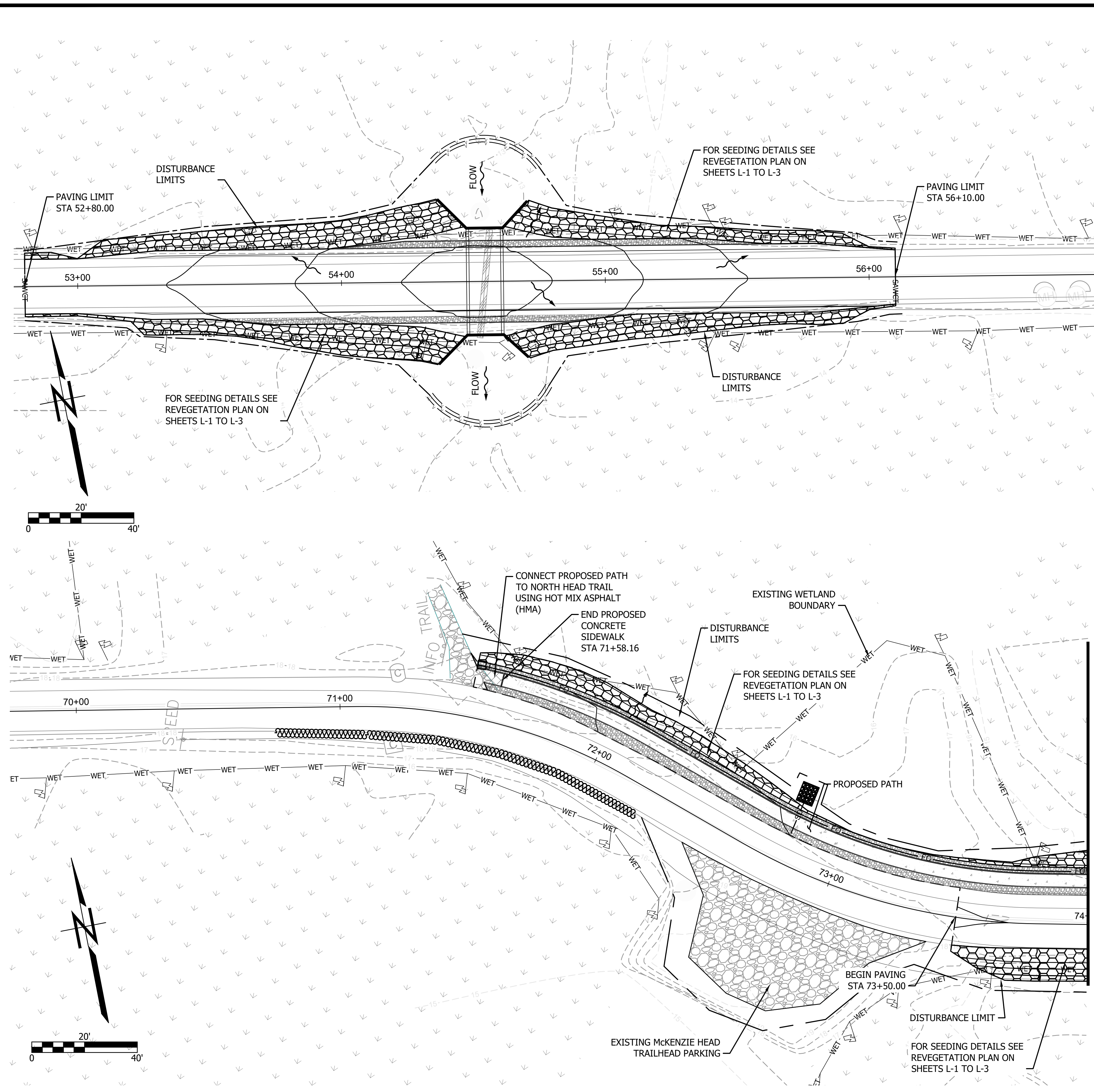
ESC-1

SCALE

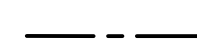



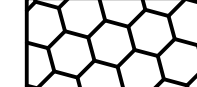

NONE

PARKS FILE#

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LEGEND


-  TYPE 1 PERMEABLE TURBIDITY CURTAIN
-  WATTLES
-  SANDBAGS
-  PARKING AREA STABILIZATION
-  SEEDING AREA
-  FLOW ARROW

INSTALLATION NOTES

1. COMPLY WITH STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON VOLUME II: CONSTRUCTION STORMWATER POLLUTION PREVENTION
2. ESTABLISH EROSION CONTROL PRIOR TO GROUND DISTURBANCE.
3. PROVIDE MATERIALS ON HAND FOR REPAIR AND RE-ESTABLISHMENT OF EROSION CONTROL.
4. PROVIDE DUST CONTROL TO MINIMIZE DUST FROM ENTERING THE WETLANDS.
5. INSTALL SANDBAGS OR APPROVED BARRIER TO ISOLATE AND DEWATER CULVERT WORK AREAS.
6. INSTALL TEMPORARY OR PERMANENT SEEDING ON ALL SLOPES THAT WILL BE EXPOSED FOR 30 DAYS OR MORE.
7. INSTALL JUTE MATTING WHEN INSTALLING PERMANENT SEEDING ON SLOPES 2H:1V OR STEEPER.
8. INSTALL MULCH OVER SEEDED AREAS. SELECT MULCH THAT MINIMIZES FLOTATION OF ORGANIC MATTER.
9. CLEANUP ALL DEBRIS, SEDIMENT, AND DUST FROM THE WORK AREA PRIOR TO REMOVING EROSION CONTROL MEASURES.

MATCHLINE STATION 74+00
SEE SHEET ESC-3

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REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION



CAPE DISAPPOINTMENT STATE PARK

REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

EROSION CONTROL PLAN - 1

ESC-2

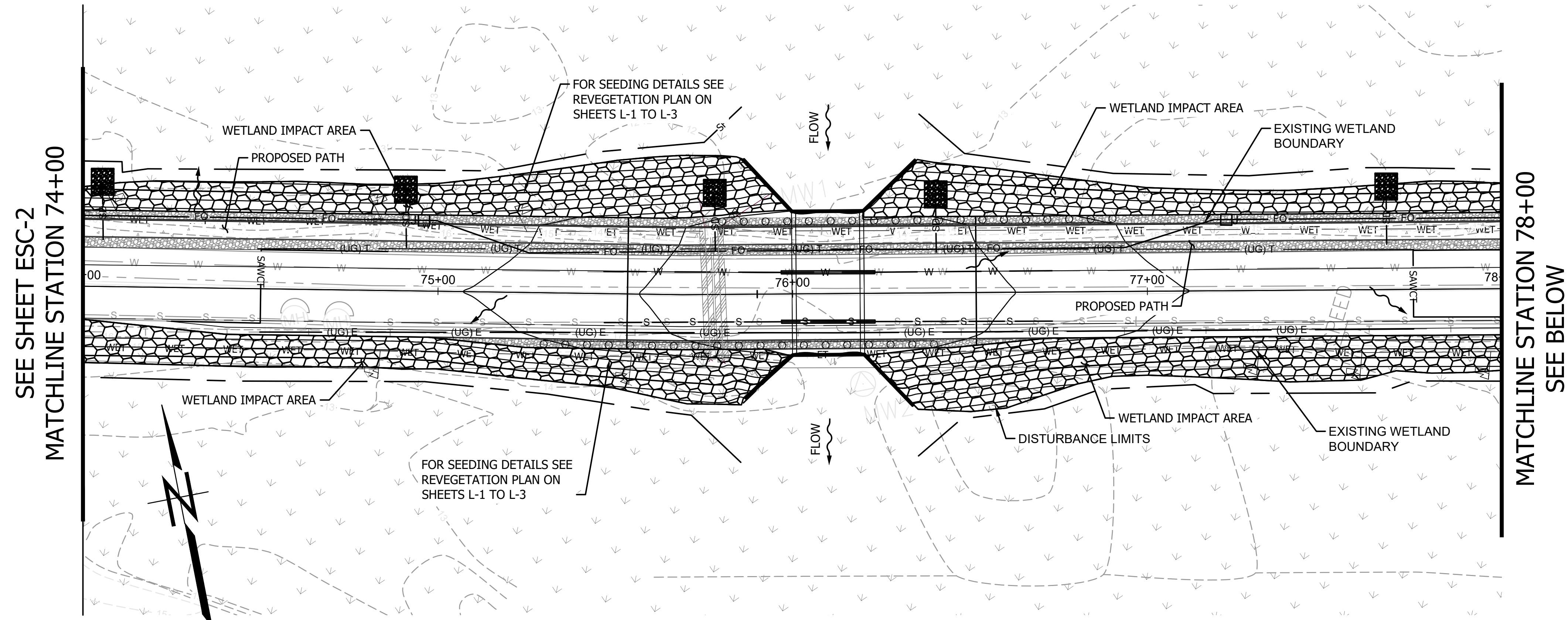
SCALE

1" = 20'

SHEET 7 OF 25

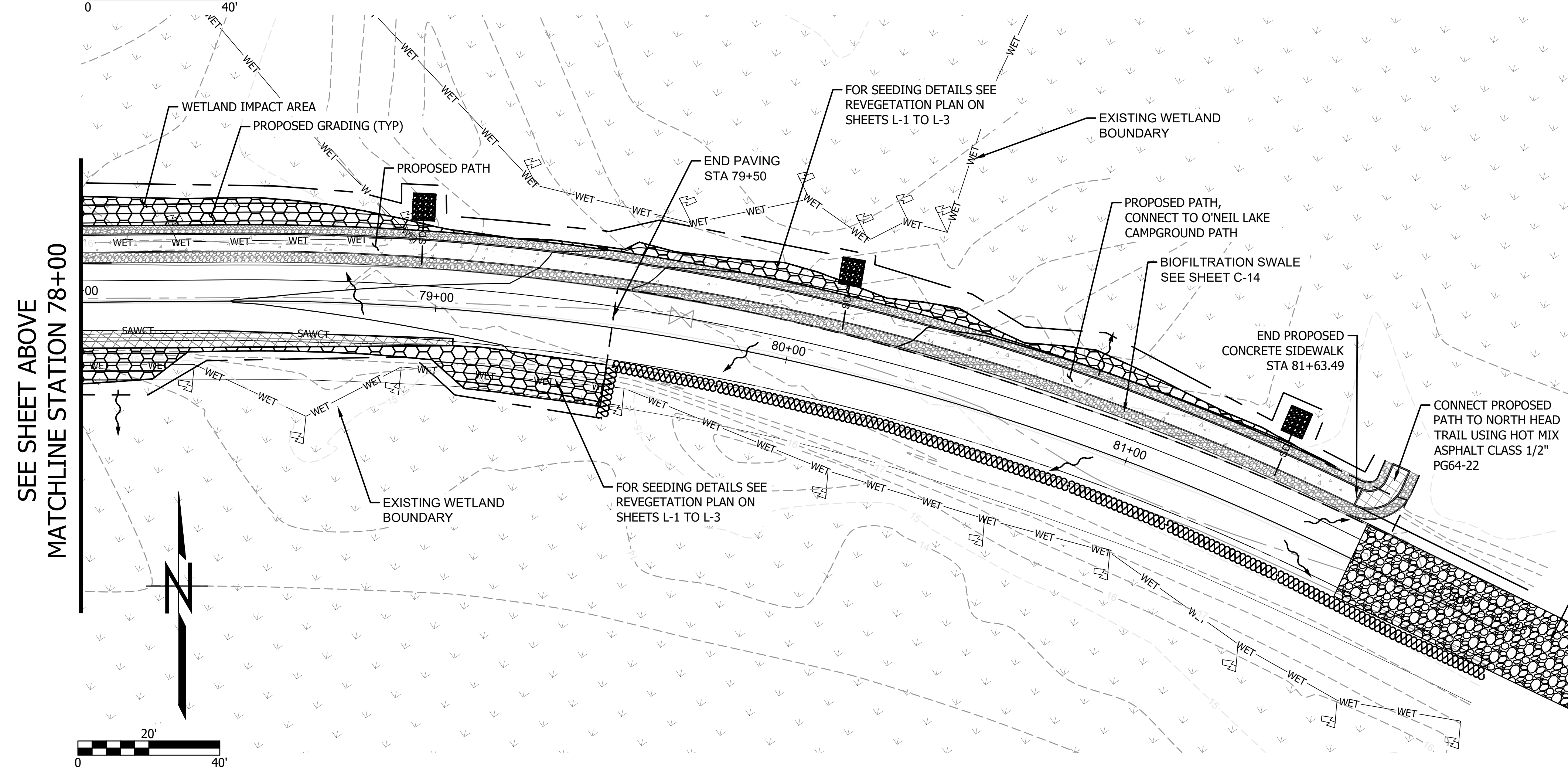
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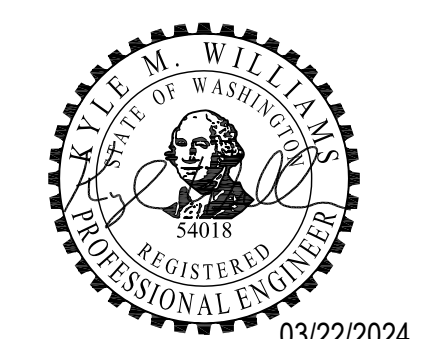
LEGEND

- TYPE 1 PERMEABLE TURBIDITY CURTAIN
- ▩ WATTLES
- ▨ SANDBAGS
- ▧ PARKING AREA STABILIZATION
- ▦ SEEDING AREA
- FLOW ARROW



CAD NO. XX		
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	APP.	
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REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT STATE PARK

REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

EROSION CONTROL PLAN - 2

ESC-3

SCALE 1" = 20'

PARKS FILE#

PROVIDED CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP59	366899.61	741152.53	20.24	PK NAIL
CP104	366634.22	741475.61	20.21	PK NAIL
CP105	366537.22	741420.28	21.97	PK NAIL

PROJECT DATUM

PROJECT DATUM BASED ON CONTROL POINTS CP59, CP104, AND CP105 PER PARAMETRIX FILE NAME B2542007P02T04G-01 CAD NO 236-2542-007 PER WASHINGTON STATE PARKS & RECREATION COMMISSION, CAPE DISAPPOINTMENT STATE PARK, INFRASTRUCTURE IMPROVEMENTS PHASE II, SHEET 2, APPROVED JULY 2004-AUGUST 2004. NOTE SURVEY INFORMATION PROVIDED BY HLB & ASSOCIATES AND BASED ON THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD83/NAVD88.

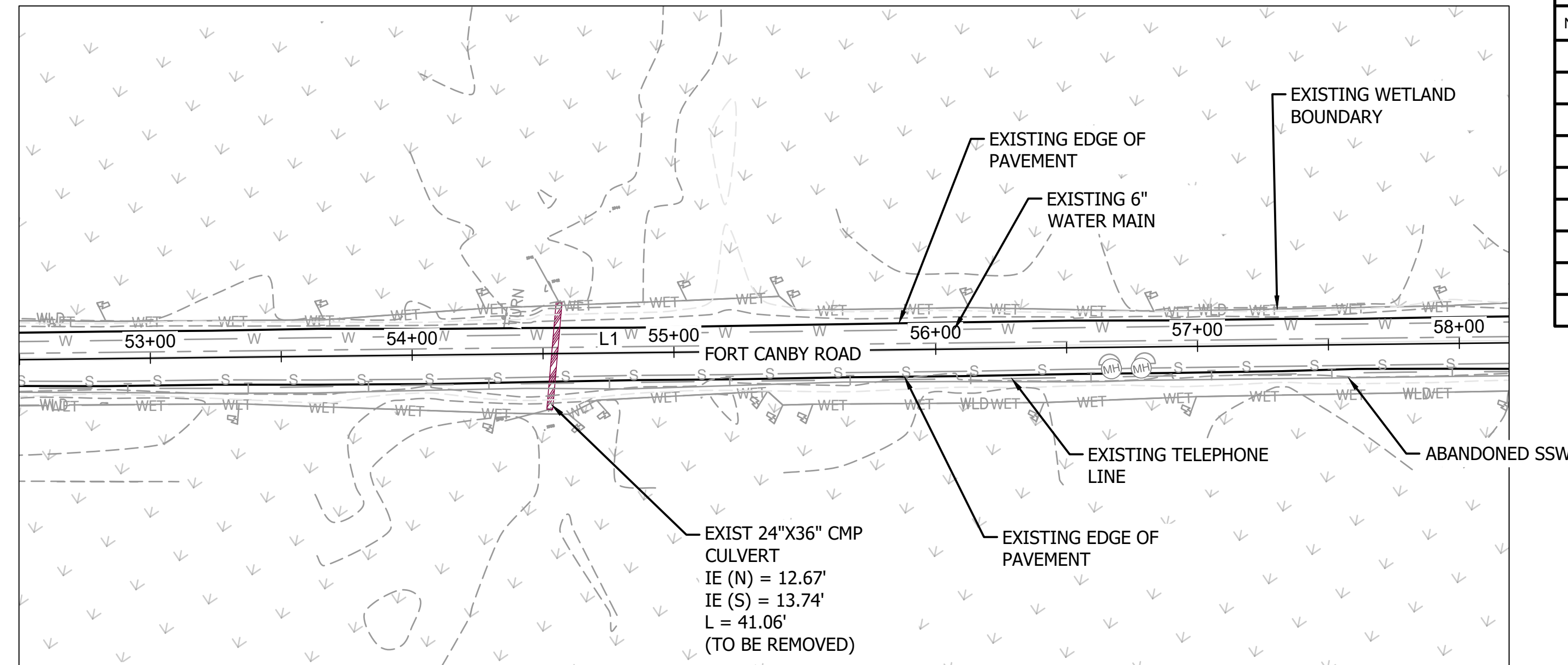
MONITORING WELL ELEVATIONS

MONITORING WELL	NORTHING	EASTING	TOP PIPE ELEVATION	GROUND ELEVATION
MW1	367566.74	740237.38	19.05	13.0
MW2	367520.63	740238.22	19.48	13.5
MW3	368043.90	738149.27	18.17	11.9
MW4	367989.69	738136.78	19.54	13.1
MW5	367960.05	738581.17	19.30	12.9
MW6	367920.04	738542.77	18.66	12.2
MW7	367378.71	739963.97	17.15	12.1
MW8	368066.89	738177.23	19.55	13.3

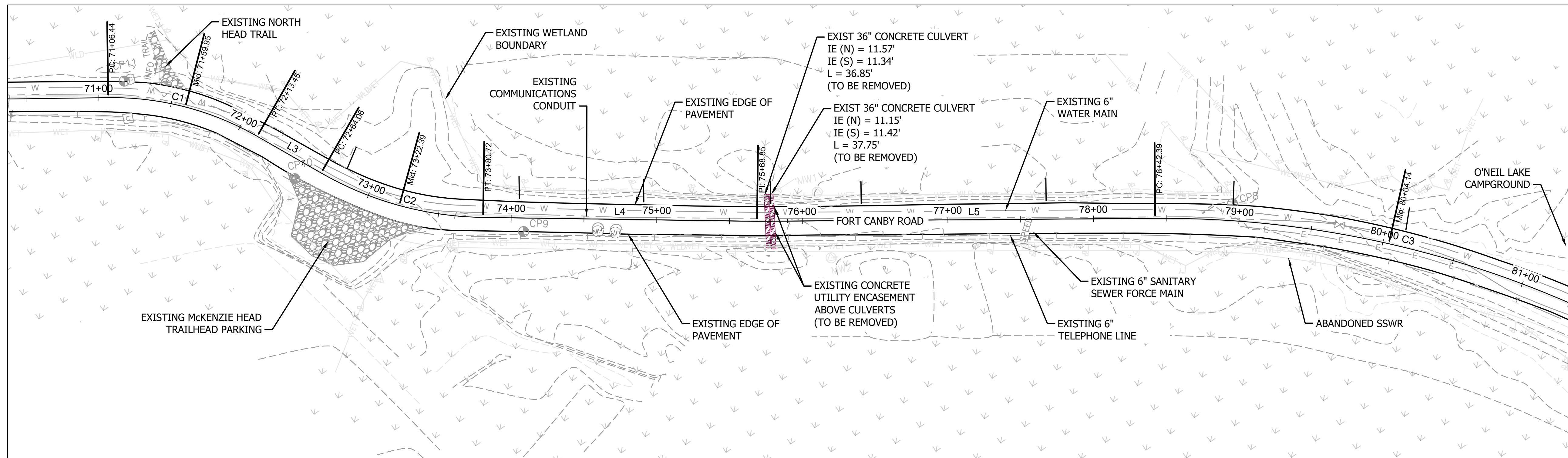
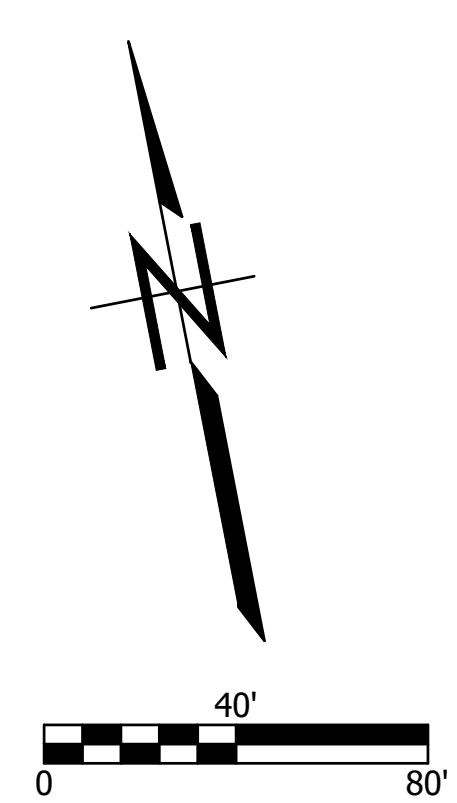
NOTES

- 1) CONTOURS ARE AT 1' INTERVALS AND ARE COMPUTER GENERATED.
- 2) ALL MANHOLES WERE LOCATED AT CENTERLINE OF RIM.
- 3) UTILITIES SHOWN ON THE SURVEY HEREON WERE BASED IN PART UPON GROUND/VISUAL OBSERVATIONS AND AS PAINTED VIA UTILITY TICKET 550005336. THERE MAY BE UTILITIES ON THE SITE THAT WERE NOT VISIBLE THEREFORE, THEY ARE NOT SHOWN. THE ACTUAL LOCATION OF THE UNDERGROUND UTILITIES MAY VARY.
- 4) UTILITIES ALSO SHOWN IN PART BASED ON PARAMETRIX FILE NAME B2542007P02T04G-01 CAD NO 236-2542-007 PER WASHINGTON STATE PARKS AND RECREATION COMMISSION, CAPE DISAPPOINTMENT STATE PARK, INFRASTRUCTURE IMPROVEMENTS PHASE II, APPROVED JULY 2004-AUGUST 2004.
- 5) ALL EXISTING UTILITY LOCATIONS AND DETAILS ARE ASSUMED TO BE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 6) WETLAND BOUNDARIES DELINEATED BY ESA IN 2021

ALIGNMENT DATA TABLE			
Number	Length	Radius	Line/Chord Direction
L1	949.877		S79° 38' 58.00"E
L2	1156.560		S79° 47' 02.31"E
C1	107.017	200.000	S64° 27' 17.93"E
L3	50.606		S49° 07' 33.54"E
C2	116.658	230.000	S63° 39' 23.16"E
L4	188.134		S78° 11' 12.78"E
L5	273.542		S79° 25' 20.49"E
C3	323.482	700.000	S66° 11' 01.18"E
L6	51.964		S52° 56' 41.87"E



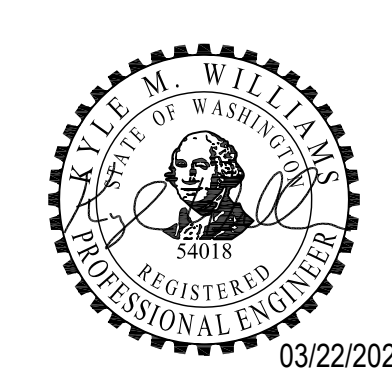
WESTERN CROSSING



EASTERN CROSSING

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REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT STATE PARK

REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

EXISTING CONDITIONS

C-1

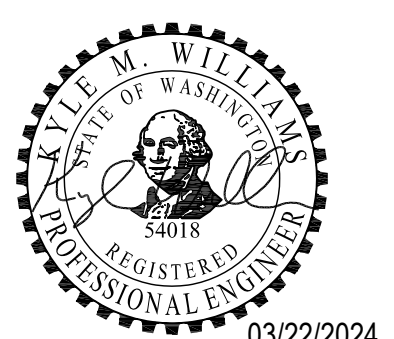
SCALE AS SHOWN

PARKS FILE#

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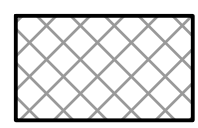
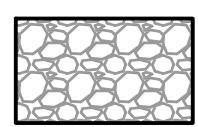

CAPE DISAPPOINTMENT STATE PARK
 REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

WESTERN CROSSING ROADWAY PLAN & PROFILE

SCALE AS SHOWN

PARKS FILE#

LEGEND

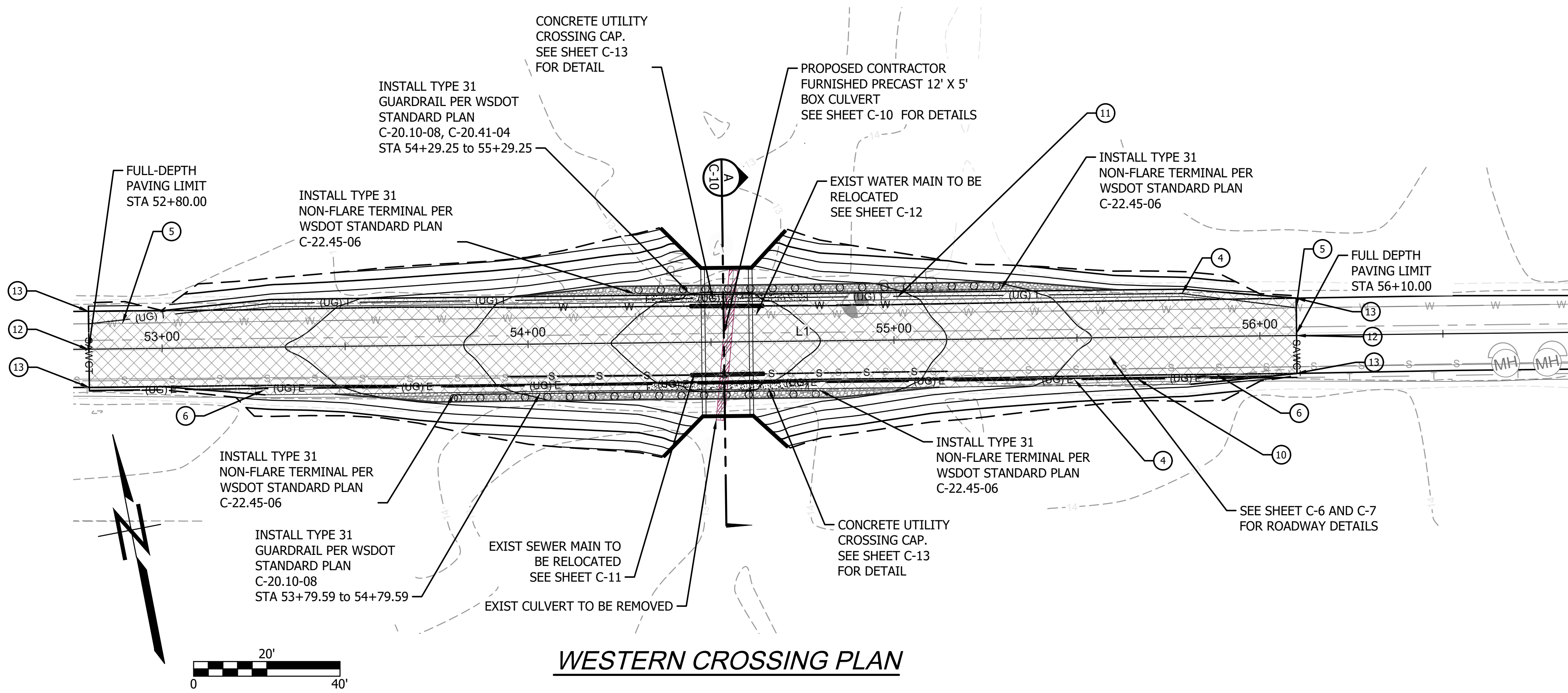
-  FULL-DEPTH PAVING
-  GRAVEL SHOULDER
-  CONCRETE SIDEWALK

CONSTRUCTION NOTES

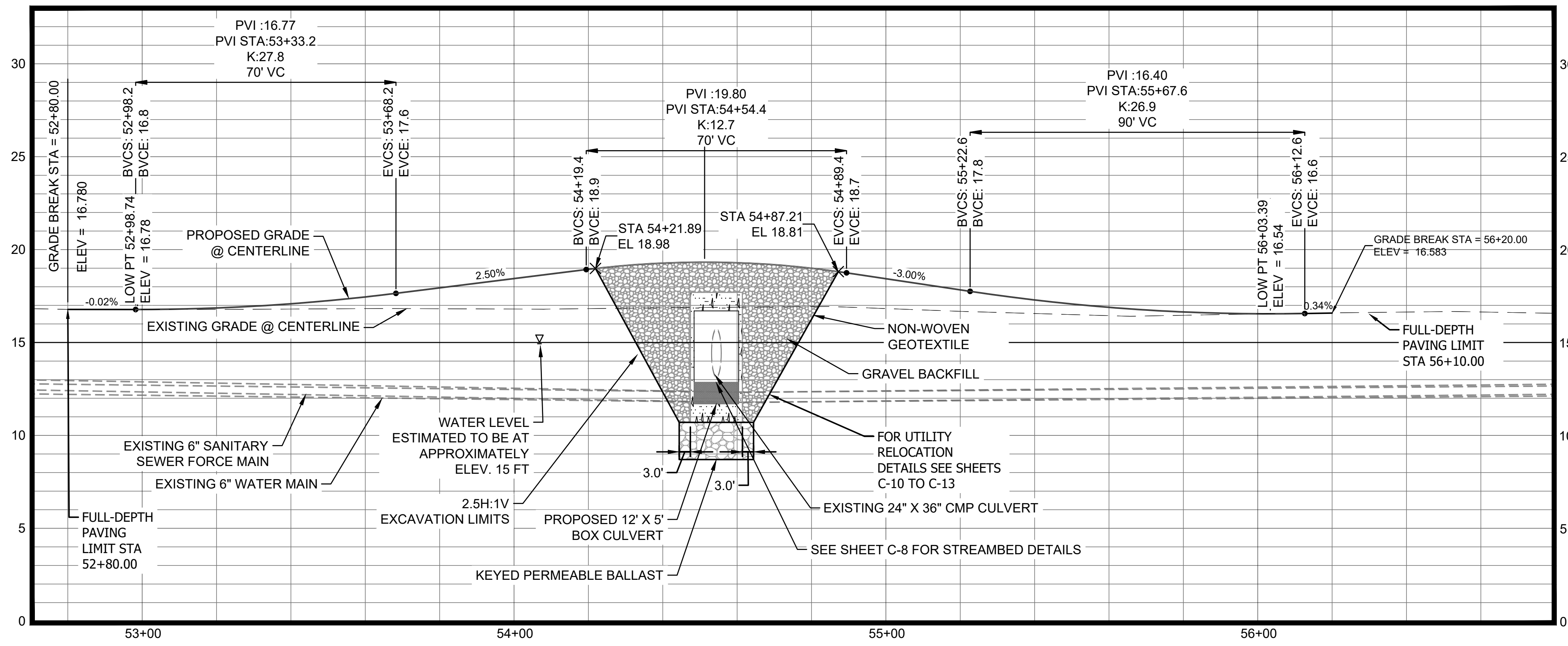
- 4 REMOVE EXISTING CONDUIT
- 5 CUT AND RESTORE TELEPHONE LINE FROM 52+80.00 TO 56+10.00
- 6 CUT AND RESTORE POWER LINE FROM 52+80.00 TO 56+10.00
- 10 INSTALL 4" CONDUIT WITH POWER LINE
- 11 INSTALL 2" CONDUIT WITH TELEPHONE LINE
- 12 INSTALL 4" YELLOW DOUBLE CENTERLINE MARKING PER WSDOT STANDARD PLAN M-20.10-04. STA 52+80.00 TO STA 56+10.00
- 13 INSTALL 8" WHITE SOLID LANE LINE MARKING PER WSDOT STANDARD PLAN M-20.10-04. STA 52+80.00 TO STA 56+10.00

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING CULVERT LOCATIONS.
2. PROPOSED BOX CULVERT LOCATION AND ELEVATIONS ARE APPROXIMATE AND MAY BE MODIFIED BY THE CONTRACTOR AS REQUIRED TO INSTALL CONTRACTOR DESIGNED BURIED STRUCTURE. ALL REVISED INFORMATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. CULVERT EXCAVATION LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING TEMPORARY EXCAVATION LIMITS. INCLUDING ANY SHORING.
4. EXISTING WATER LINE, EXISTING SANITARY FORCE MAIN, EXISTING POWER LINE, AND EXISTING TELEPHONE LINE MAY BE OFFLINE DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO SERVICE INTERRUPTION. LOCATIONS SHOWN ARE APPROXIMATE, FIELD VERIFY. (TYP)
5. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS. (TYP)
6. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO UTILITY SERVICE INTERRUPTION. LOCATIONS OF EXISTING AND PROPOSED UTILITIES SHOWN ARE APPROXIMATE, FIELD VERIFY WITH THE OWNER PRIOR TO CONSTRUCTION. (TYP)
7. PER THE PROJECT SPECIFICATIONS GRAVEL BACKFILL SHALL CONSIST OF:
 - GRAVEL BORROW (ABOVE WATER LEVEL) COARSE AGGREGATE TYPE A1
 - GRAVEL BACKFILL FOR DRAINS (BELOW WATER LEVEL) COARSE AGGREGATE TYPE A1
 - PERMEABLE BALLAST (BELOW WATER LEVEL) COARSE AGGREGATE TYPE A3



WESTERN CROSSING PLAN



WESTERN CROSSING PROFILE

SCALE: 1" = 20' HORIZONTAL
 1" = 5' VERTICAL

C:\PDX_Projects\21\3342 - ESA - Cape Disappointment Failing Culverts Repl\CAD\Sheets

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CAD NO. XX

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	KMW	
DRAWN	CAS	
CHECKED (FIELD)		
CHECKED (HDQTS.)		



REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT STATE PARK
REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

EASTERN CROSSING ROADWAY PLAN & PROFILE - 1
C-3

SCALE
AS SHOWN
 PARKS FILE#

LEGEND

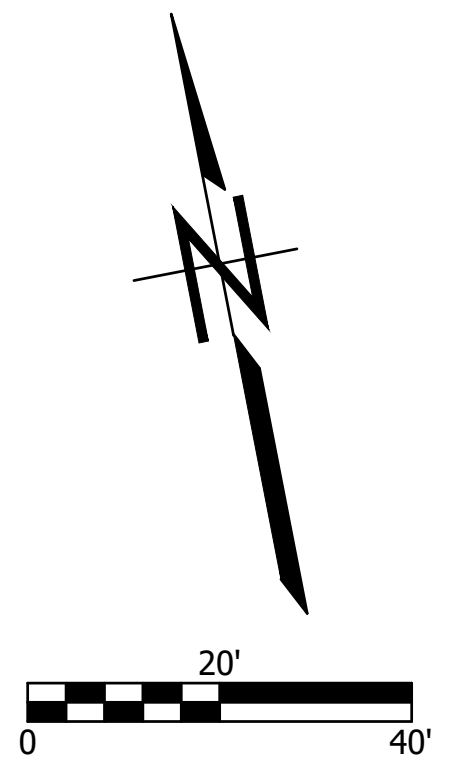
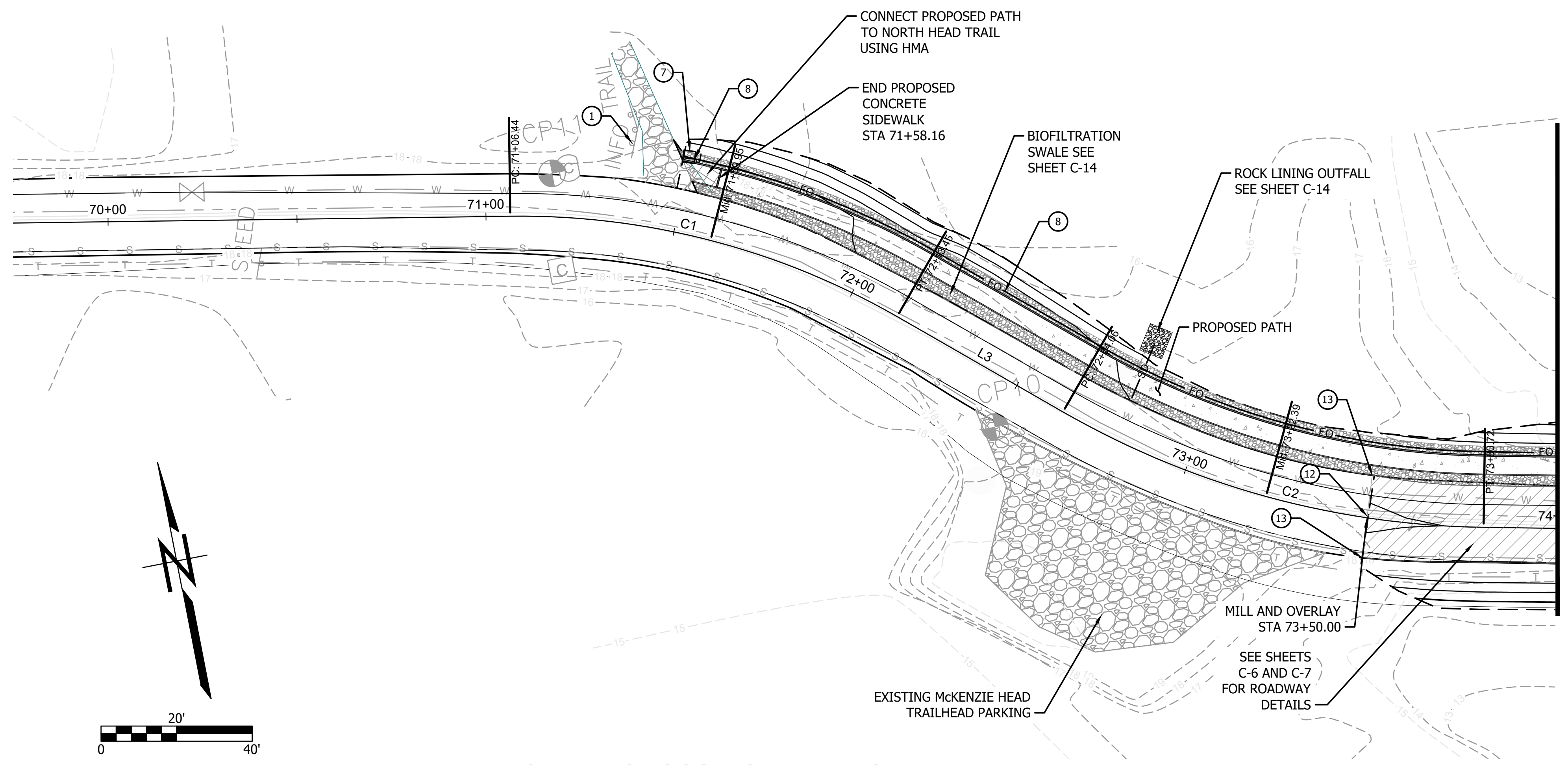
- MILL AND OVERLAY
- FULL-DEPTH PAVING
- GRAVEL SHOULDER
- CONCRETE SIDEWALK
- ROCK LINING OUTFALL

CONSTRUCTION NOTES

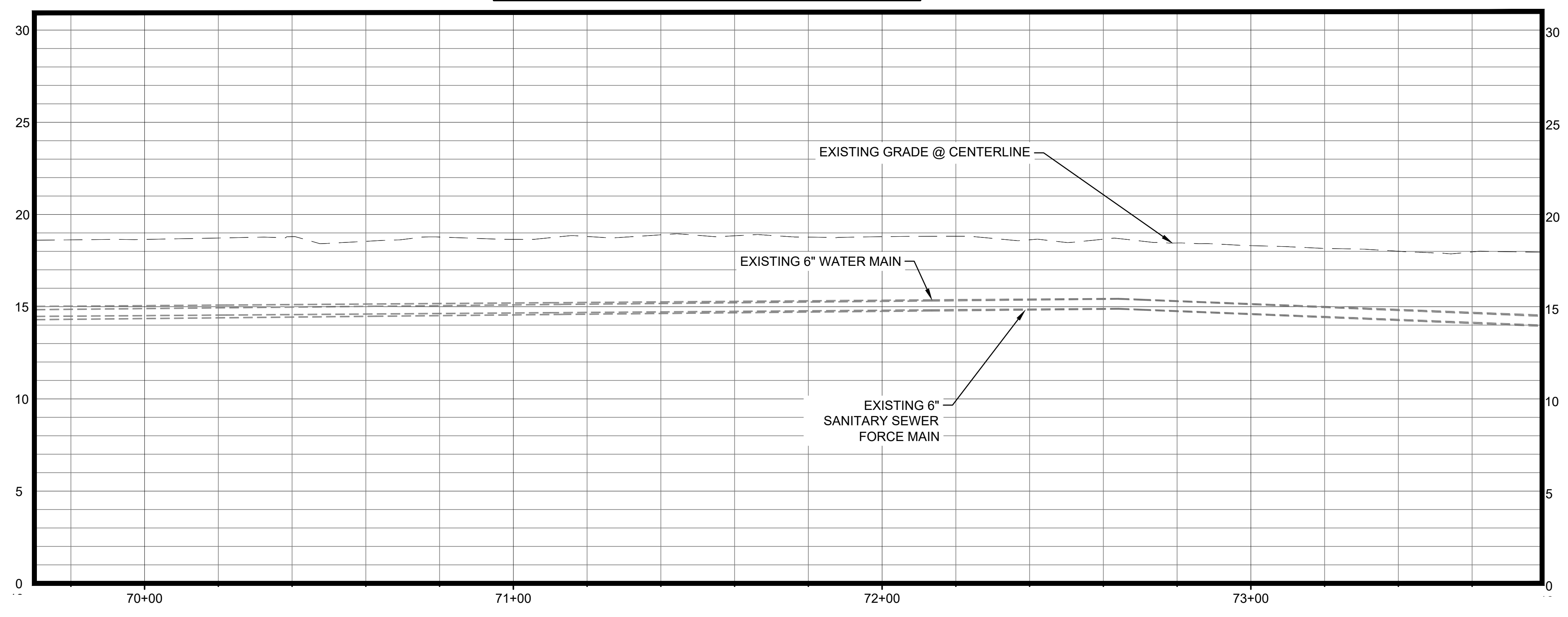
- ① PROTECT IN PLACE
- ⑦ INSTALL UTILITY JUNCTION BOX
- ⑧ INSTALL 2" FIBER OPTIC CONDUIT WITH POLY PULL LINE
- ⑫ INSTALL 4" YELLOW DOUBLE CENTERLINE MARKING PER WSDOT STANDARD PLAN M-20.10-04. STA 73+50.00 TO STA 79+50.00
- ⑬ INSTALL 8" WHITE SOLID LANE LINE MARKING PER WSDOT STANDARD PLAN M-20.10-04. STA 73+50.00 TO STA 79+50.00

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING CULVERT LOCATIONS.
2. PROPOSED BOX CULVERT LOCATION AND ELEVATIONS ARE APPROXIMATE AND MAY BE MODIFIED BY THE CONTRACTOR AS REQUIRED TO INSTALL CONTRACTOR DESIGNED BURIED STRUCTURE. ALL REVISED INFORMATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. CULVERT EXCAVATION LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING TEMPORARY EXCAVATION LIMITS. INCLUDING ANY SHORING.
4. EXISTING WATER LINE, EXISTING SANITARY FORCE MAIN, EXISTING POWER LINE, AND EXISTING TELEPHONE LINE MAY BE OFFLINE DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO SERVICE INTERRUPTION. LOCATIONS SHOWN ARE APPROXIMATE, FIELD VERIFY. (TYP)
5. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS. (TYP)
6. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO UTILITY SERVICE INTERRUPTION. LOCATIONS OF EXISTING AND PROPOSED UTILITIES SHOWN ARE APPROXIMATE, FIELD VERIFY WITH THE OWNER PRIOR TO CONSTRUCTION. (TYP)



EASTERN CROSSING PLAN 1 OF 3

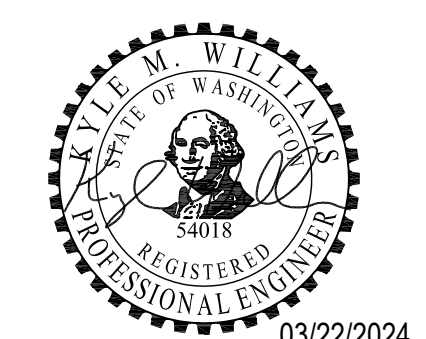


EASTERN CROSSING PROFILE 1 OF 3

SCALE: 1" = 20' HORIZONTAL
 1" = 5' VERTICAL

	DATE
	APP.
	INT.
	NO.
	REVISIONS

ACTION	BY	DATE
DESIGNED	KMW	
DRAWN	CAS	
CHECKED (FIELD)		
CHECKED (HDQTS.)		



REGISTERED STAMP

WASHINGTON
STATE
PARKS
AND
RECREATION
COMMISSION

CAPE
DISAPPOINTMENT
STATE PARK

REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD

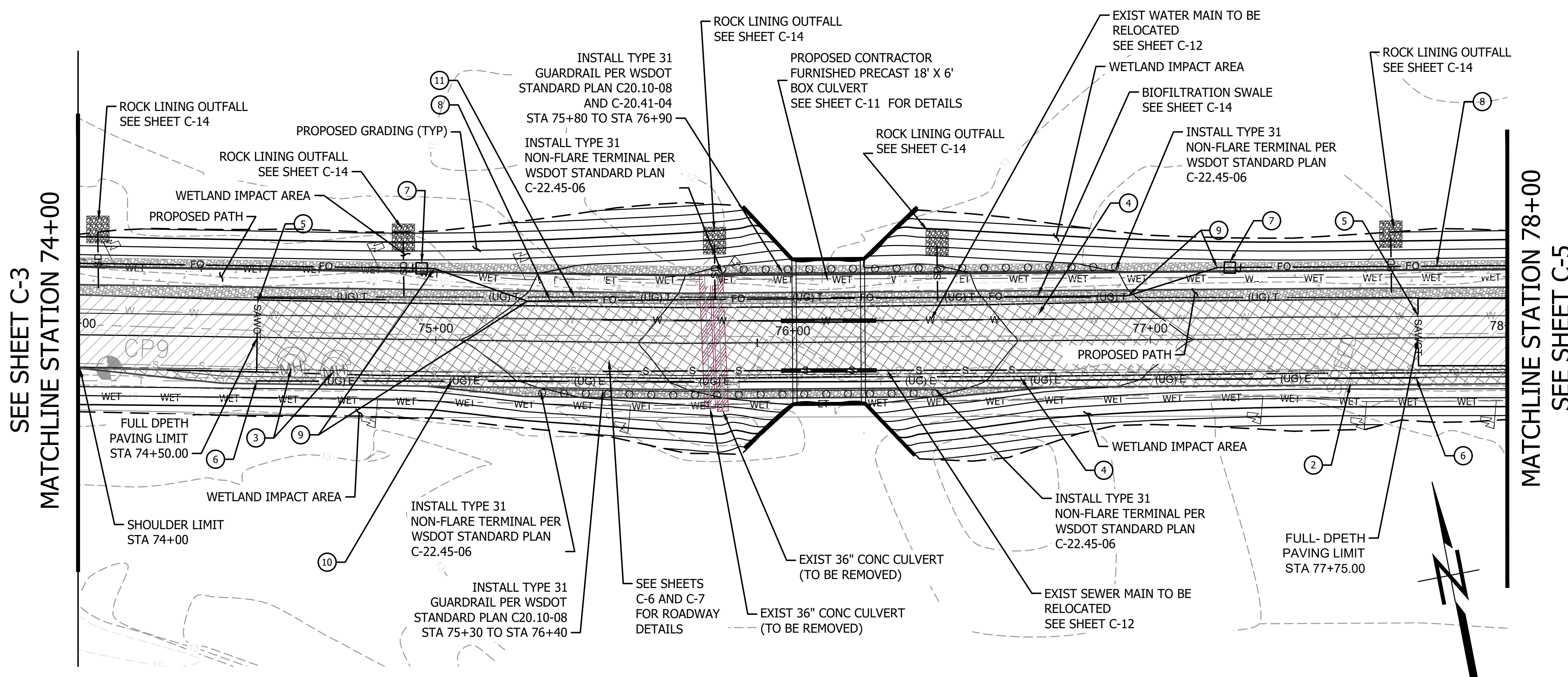
EASTERN CROSSING
ROADWAY
PLAN & PROFILE - 2
C-4

SCALE
AS SHOWN
PARKS FILE#

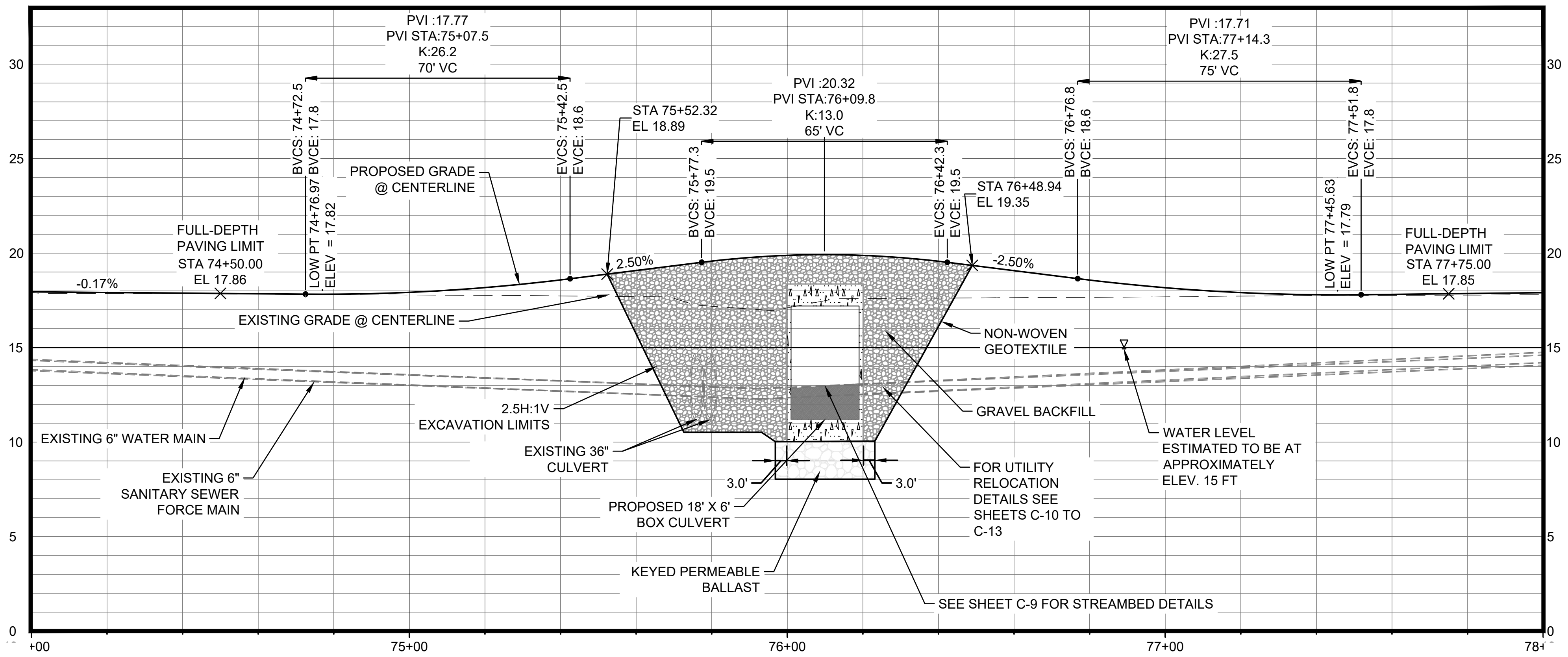
LEGEND

- MILL AND OVERLAY
- FULL-DEPTH PAVING
- GRAVEL SHOULDER
- CONCRETE SIDEWALK
- ROCK LINING OUTFALL

- CONSTRUCTION NOTES**
- ② REMOVE AND REINSTALL EXISTING SIGN
 - ③ ADJUST EXISTING MANHOLE TO GRADE
 - ④ REMOVE EXISTING CONDUIT
 - ⑤ CUT AND RESTORE TELEPHONE LINE FROM 74+50.00 TO 77+75.00
 - ⑥ CUT AND RESTORE POWER LINE FROM 74+50.00 TO 77+75.00
 - ⑦ INSTALL UTILITY JUNCTION BOX
 - ⑧ INSTALL 2" FIBER OPTIC CONDUIT WITH POLY PULL LINE
 - ⑨ INSTALL 22.5° BEND IN FIBER OPTIC LINE
 - ⑩ INSTALL 4" CONDUIT WITH POWER LINE
 - ⑪ INSTALL 2" CONDUIT WITH TELEPHONE LINE
- GENERAL NOTES**
1. CONTRACTOR TO FIELD VERIFY EXISTING CULVERT LOCATIONS.
 2. PROPOSED BOX CULVERT LOCATION AND ELEVATIONS ARE APPROXIMATE AND MAY BE MODIFIED BY THE CONTRACTOR AS REQUIRED TO INSTALL CONTRACTOR DESIGNED BURIED STRUCTURE. ALL REVISED INFORMATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 3. CULVERT EXCAVATION LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING TEMPORARY EXCAVATION LIMITS, INCLUDING ANY SHORING.
 4. EXISTING WATER LINE, EXISTING SANITARY FORCE MAIN, EXISTING POWER LINE, AND EXISTING TELEPHONE LINE MAY BE OFFLINE DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO SERVICE INTERRUPTION. LOCATIONS SHOWN ARE APPROXIMATE, FIELD VERIFY. (TYP)
 5. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS. (TYP)
 6. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO UTILITY SERVICE INTERRUPTION. LOCATIONS OF EXISTING AND PROPOSED UTILITIES SHOWN ARE APPROXIMATE, FIELD VERIFY WITH THE OWNER PRIOR TO CONSTRUCTION. (TYP)
 7. PER THE PROJECT SPECIFICATIONS GRAVEL BACKFILL SHALL CONSIST OF:
 - GRAVEL BORROW (ABOVE WATER LEVEL) COARSE AGGREGATE TYPE A1
 - GRAVEL BACKFILL FOR DRAINS (BELOW WATER LEVEL) COARSE AGGREGATE TYPE A1
 - PERMEABLE BALLAST (BELOW WATER LEVEL) COARSE AGGREGATE TYPE A3



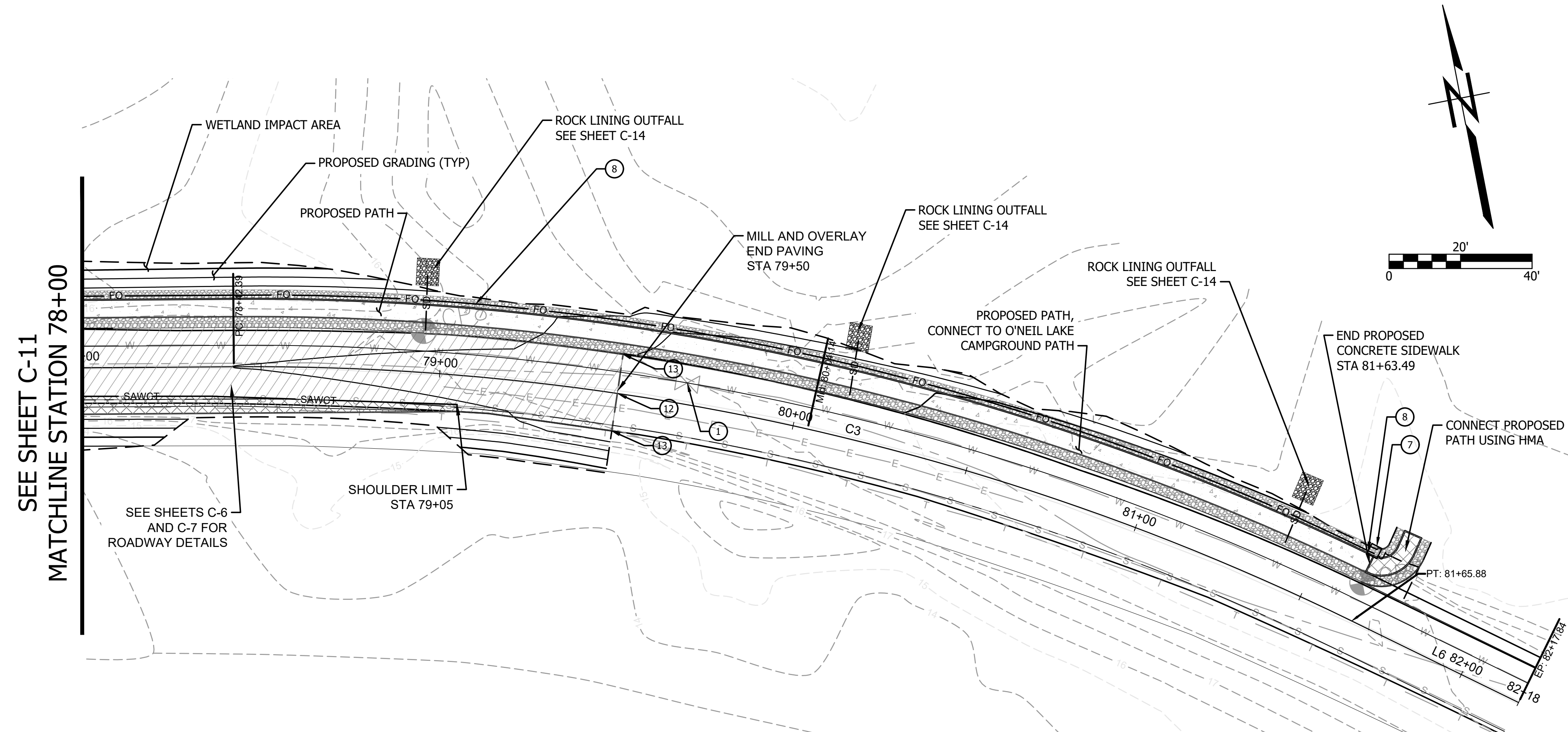
EASTERN CROSSING PLAN 2 OF 3



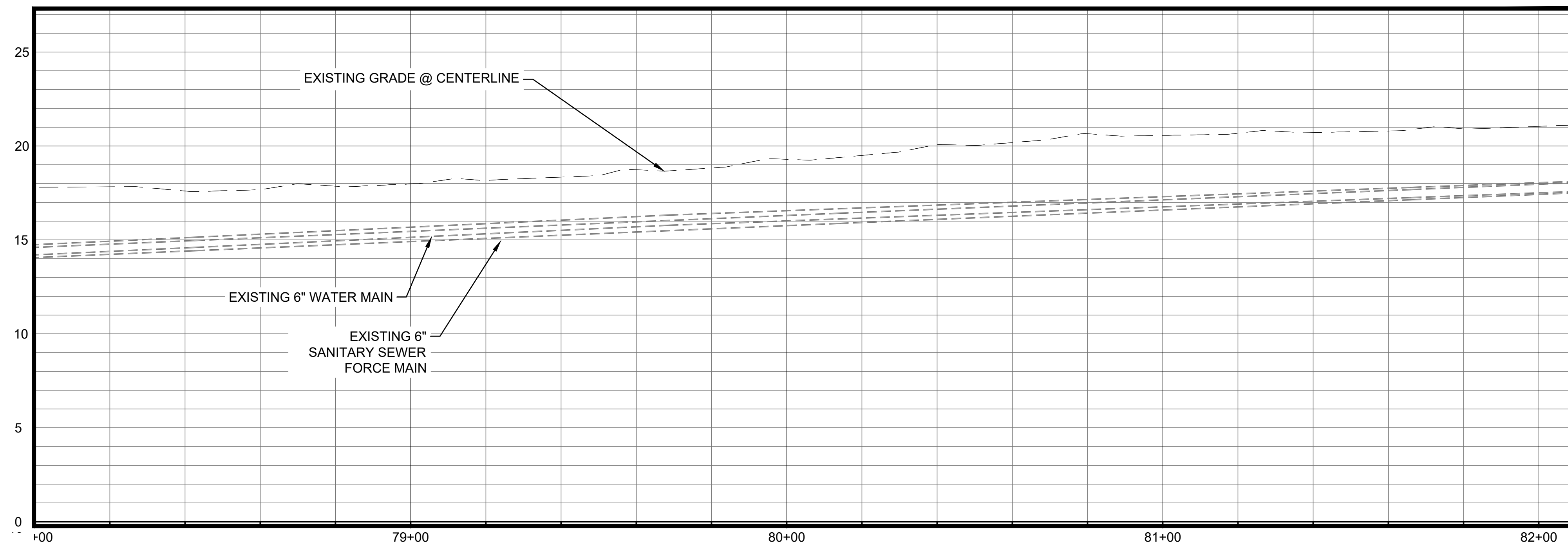
EASTERN CROSSING PROFILE 2 OF 3

SCALE: 1" = 20' HORIZONTAL
1" = 5' VERTICAL

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EASTERN CROSSING PLAN 3 OF 3



EASTERN CROSSING PROFILE 3 OF 3

SCALE: 1" = 20' HORIZONTAL
 1" = 5' VERTICAL

LEGEND

- MILL AND OVERLAY
- FULL-DEPTH PAVING
- GRAVEL SHOULDER
- CONCRETE SIDEWALK

CONSTRUCTION NOTES

- 1 PROTECT IN PLACE
- 7 INSTALL UTILITY JUNCTION BOX
- 8 INSTALL 2" FIBER OPTIC CONDUIT WITH POLY PULL LINE
- 12 INSTALL 4" YELLOW DOUBLE CENTERLINE MARKING PER WSDOT STANDARD PLAN M-20.10-04. STA 73+50.00 TO STA 79+50.00
- 13 INSTALL 8" WHITE SOLID LANE LINE MARKING PER WSDOT STANDARD PLAN M-20.10-04. STA 73+50.00 TO STA 79+50.00

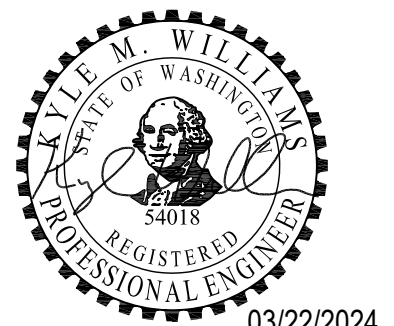
GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING CULVERT LOCATIONS.
2. PROPOSED BOX CULVERT LOCATION AND ELEVATIONS ARE APPROXIMATE AND MAY BE MODIFIED BY THE CONTRACTOR AS REQUIRED TO INSTALL CONTRACTOR DESIGNED BURIED STRUCTURE. ALL REVISED INFORMATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. CULVERT EXCAVATION LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING TEMPORARY EXCAVATION LIMITS. INCLUDING ANY SHORING.
4. EXISTING WATER LINE, EXISTING SANITARY FORCE MAIN, EXISTING POWER LINE, AND EXISTING TELEPHONE LINE MAY BE OFFLINE DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO SERVICE INTERRUPTION. LOCATIONS SHOWN ARE APPROXIMATE, FIELD VERIFY. (TYP)
5. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS. (TYP)
6. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO UTILITY SERVICE INTERRUPTION. LOCATIONS OF EXISTING AND PROPOSED UTILITIES SHOWN ARE APPROXIMATE, FIELD VERIFY WITH THE OWNER PRIOR TO CONSTRUCTION. (TYP)

CAD NO. XX

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	KMW	
DRAWN	CAS	
CHECKED (FIELD)		
CHECKED (HDQTS.)		



03/22/2024

REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

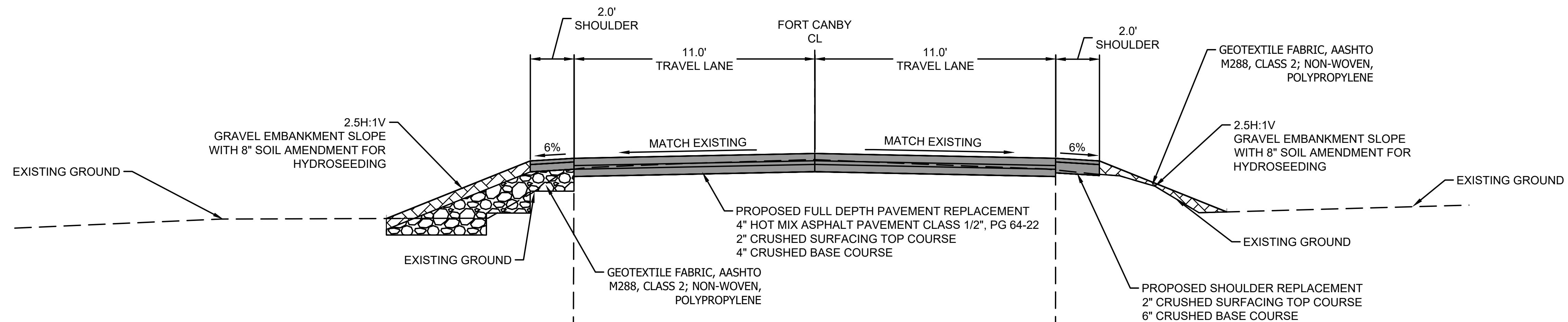
CAPE DISAPPOINTMENT STATE PARK
 REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

EASTERN CROSSING ROADWAY PLAN & PROFILE - 3
 C-5

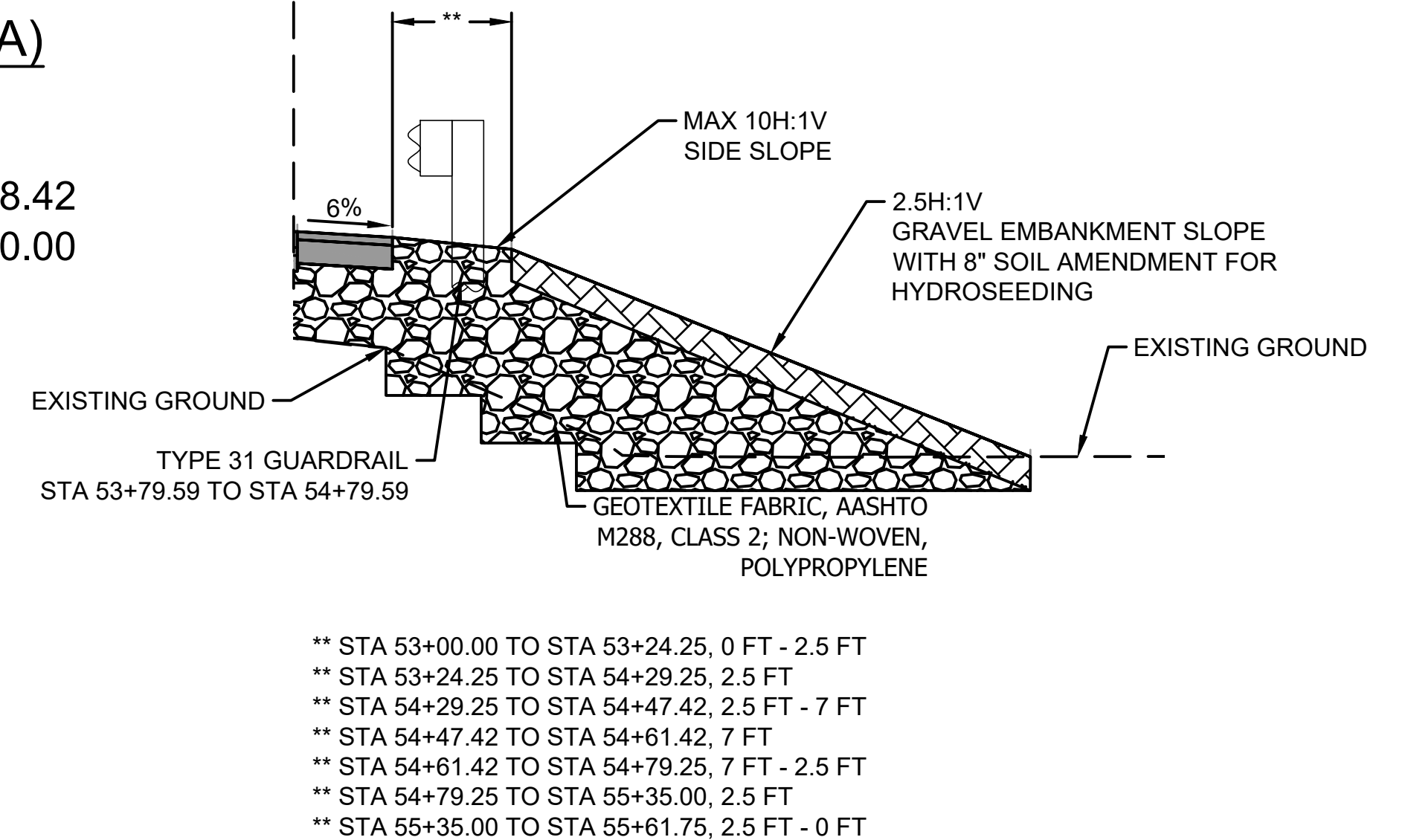
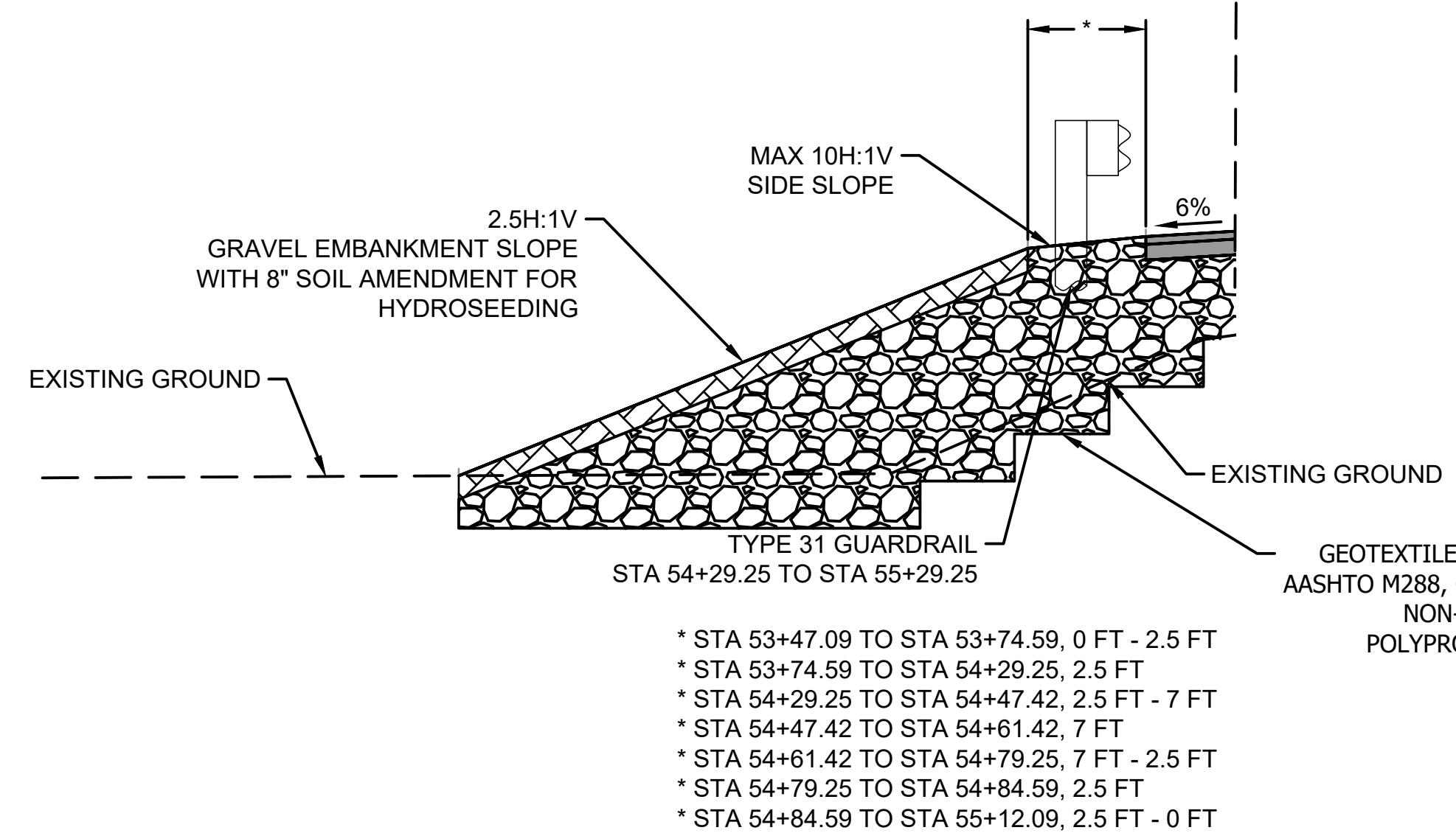
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PARKS FILE#

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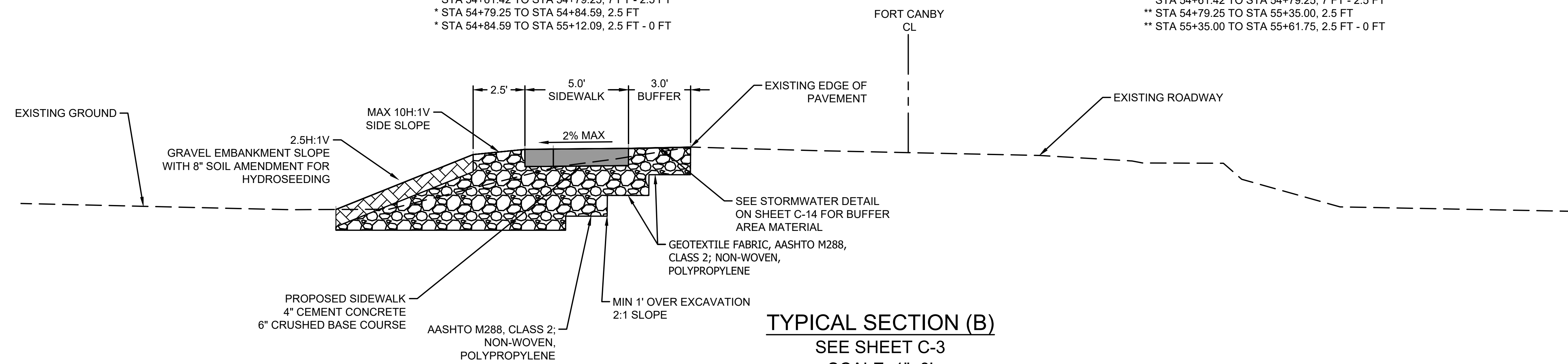


TYPICAL SECTION (A)
 SEE SHEET C-2
 SCALE: 1"=3'
 STA 52+80.00 TO STA 54+48.42
 STA 54+60.42 TO STA 56+10.00



- * STA 53+47.09 TO STA 53+74.59, 0 FT - 2.5 FT
- * STA 53+74.59 TO STA 54+29.25, 2.5 FT
- * STA 54+29.25 TO STA 54+47.42, 2.5 FT - 7 FT
- * STA 54+47.42 TO STA 54+61.42, 7 FT
- * STA 54+61.42 TO STA 54+79.25, 7 FT - 2.5 FT
- * STA 54+79.25 TO STA 54+84.59, 2.5 FT
- * STA 54+84.59 TO STA 55+12.09, 2.5 FT - 0 FT

- ** STA 53+00.00 TO STA 53+24.25, 0 FT - 2.5 FT
- ** STA 53+24.25 TO STA 54+29.25, 2.5 FT
- ** STA 54+29.25 TO STA 54+47.42, 2.5 FT - 7 FT
- ** STA 54+47.42 TO STA 54+61.42, 7 FT
- ** STA 54+61.42 TO STA 54+79.25, 7 FT - 2.5 FT
- ** STA 54+79.25 TO STA 55+35.00, 2.5 FT
- ** STA 55+35.00 TO STA 55+61.75, 2.5 FT - 0 FT



TYPICAL SECTION (B)
 SEE SHEET C-3
 SCALE: 1"=3'
 STA 71+58.16 TO STA 73+50.00
 STA 79+50.00 TO STA 82+17.84

GENERAL NOTES

7. PER THE PROJECT SPECIFICATIONS GRAVEL BACKFILL SHALL CONSIST OF:
 - GRAVEL BORROW (ABOVE WATER LEVEL) COARSE AGGREGATE TYPE A1
 - GRAVEL BACKFILL FOR DRAINS (BELOW WATER LEVEL) COARSE AGGREGATE TYPE A1
 - PERMEABLE BALLAST (BELOW WATER LEVEL) COARSE AGGREGATE TYPE A3

CAD NO. XX	
	DATE
	APP.
	INT.
	REVISIONS
	NO.

ACTION	BY	DATE
DESIGNED	KMW	
DRAWN	CAS	
CHECKED (FIELD)		
CHECKED (HDQTS.)		



REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT STATE PARK
REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD
ROADWAY DETAILS - 1

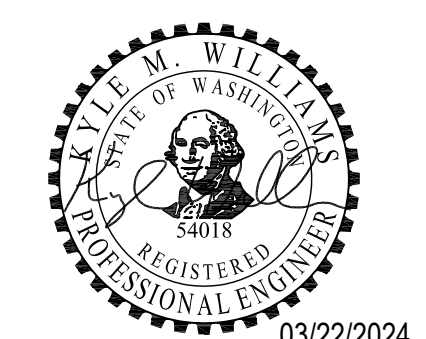
C-6

SCALE
 1" = 3"

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CAD NO. XX	
DATE	
APP.	
INT.	
REVISIONS	
NO.	

ACTION	BY	DATE
DESIGNED	KMW	
DRAWN	CAS	
CHECKED (FIELD)		
CHECKED (HDQTS.)		



REGISTERED STAMP

WASHINGTON
STATE
PARKS
AND
RECREATION
COMMISSION

CAPE
DISAPPOINTMENT
STATE PARK

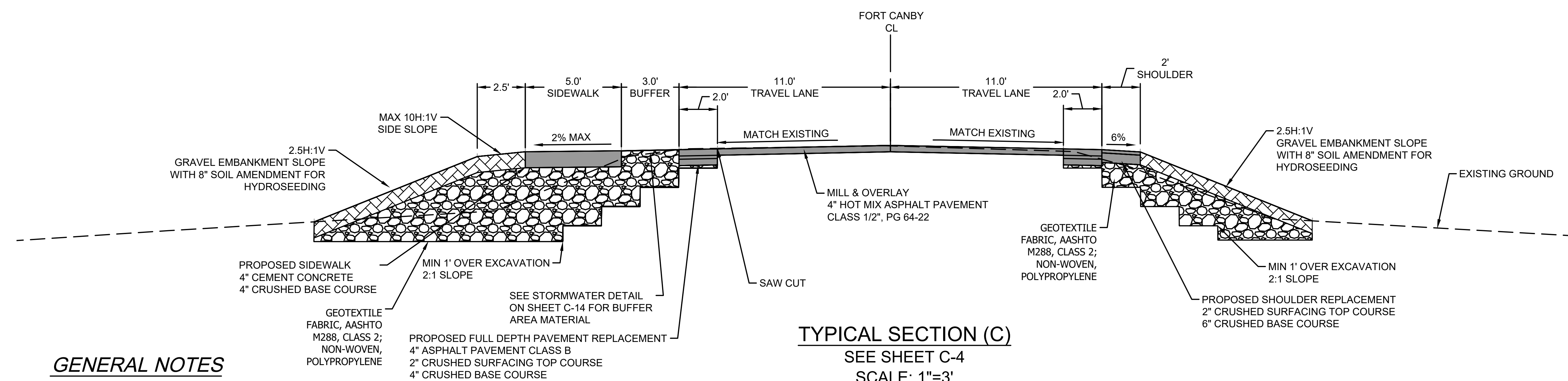
REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD

ROADWAY
DETAILS - 2

C-7

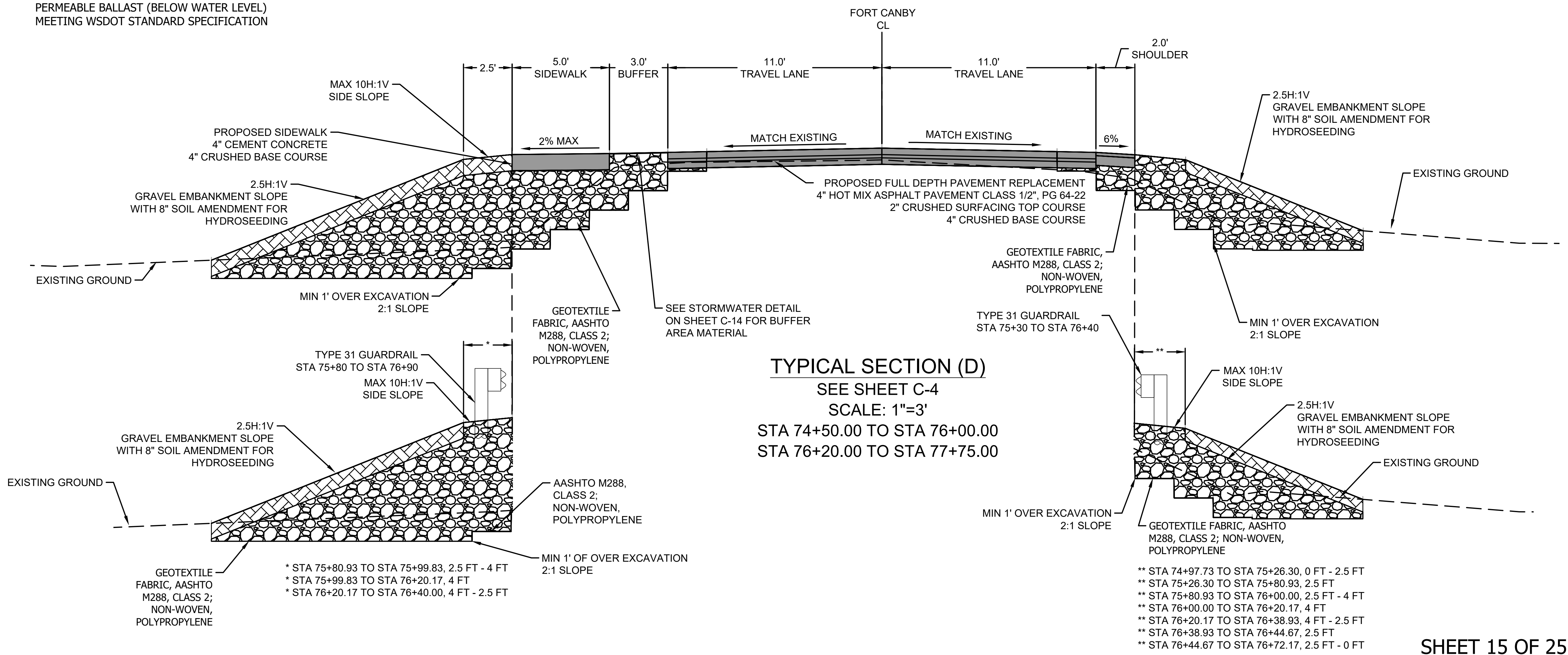
SCALE
1" = 3'

PARKS FILE#



GENERAL NOTES

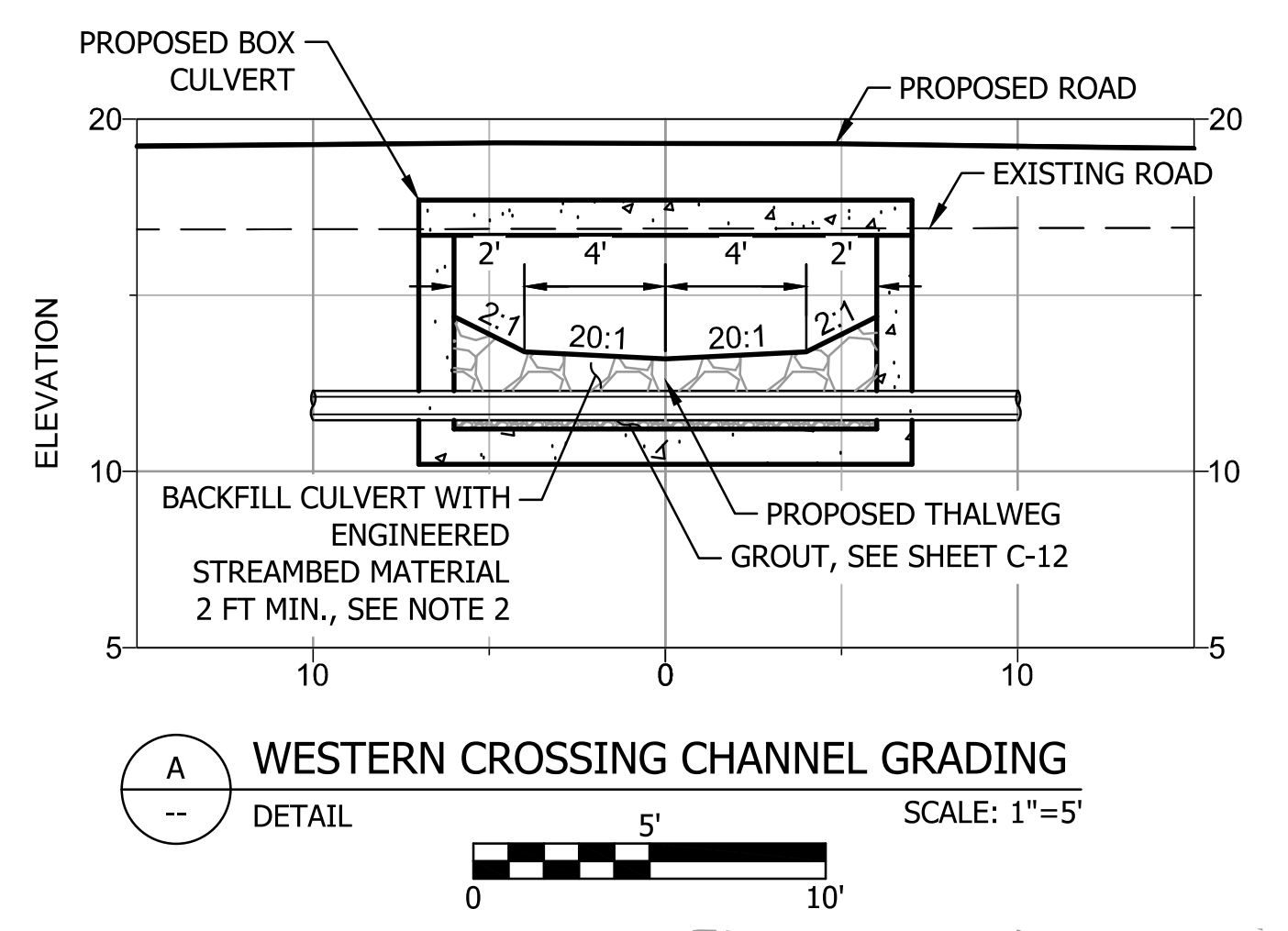
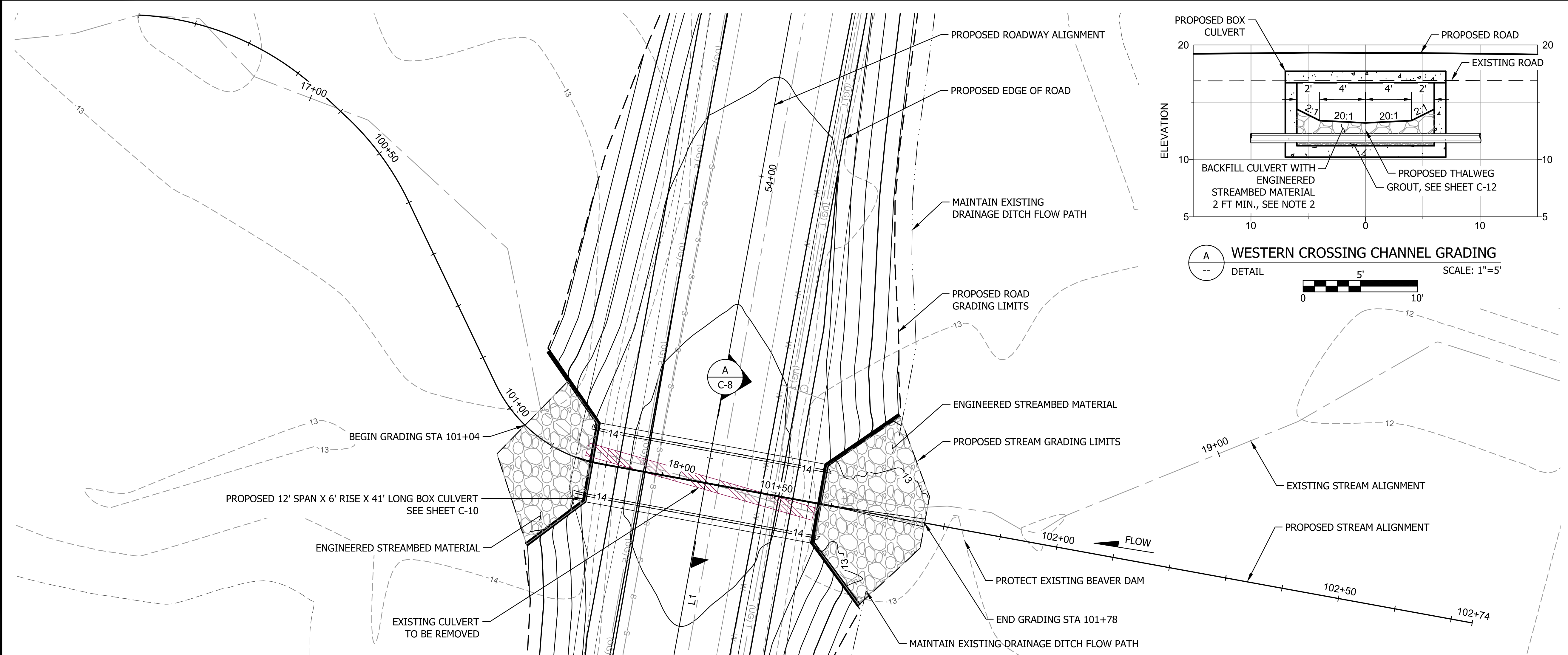
- GRAVEL EMBANKMENT BACKFILL SHALL CONSIST OF: GRAVEL BORROW (ABOVE WATER LEVEL) MEETING WSDOT STANDARD SPECIFICATION 9-03.14(1) -- GRAVEL BACKFILL FOR DRAINS (BELOW WATER LEVEL) MEETING WSDOT STANDARD SPECIFICATION 9-33.2(1) -- PERMEABLE BALLAST (BELOW WATER LEVEL) MEETING WSDOT STANDARD SPECIFICATION



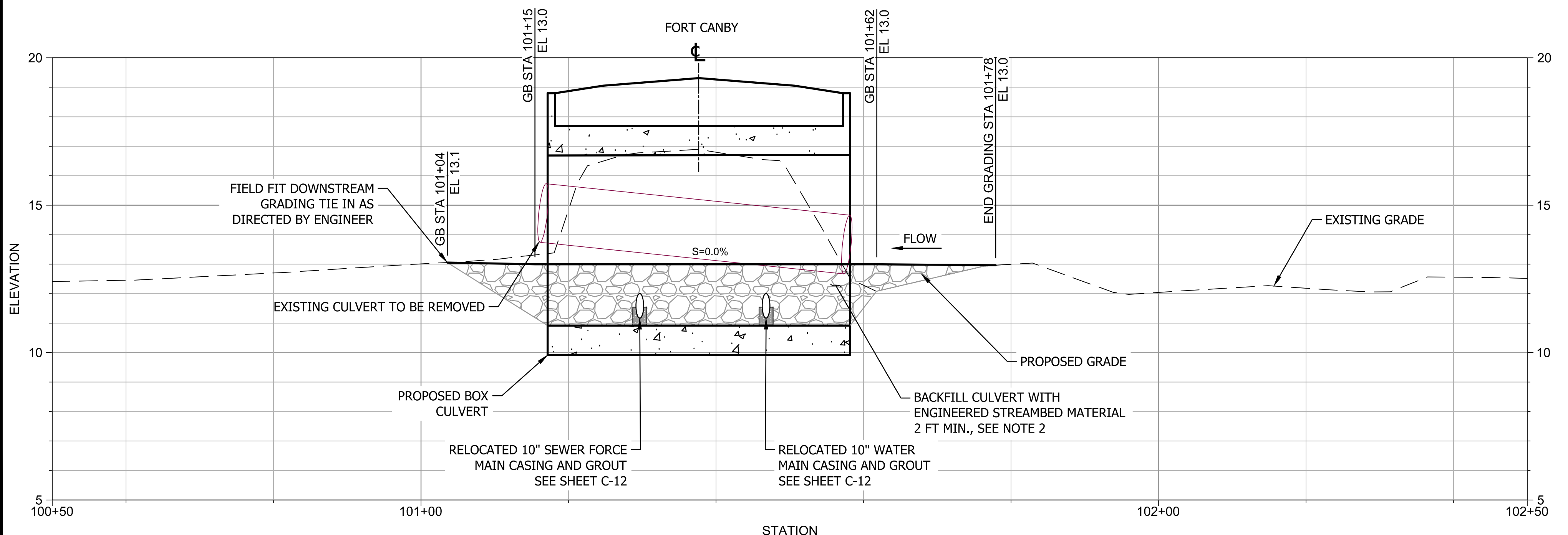
* STA 75+80.93 TO STA 75+99.83, 2.5 FT - 4 FT
* STA 75+99.83 TO STA 76+20.17, 4 FT
* STA 76+20.17 TO STA 76+40.00, 4 FT - 2.5 FT

** STA 74+97.73 TO STA 75+26.30, 0 FT - 2.5 FT
** STA 75+26.30 TO STA 75+80.93, 2.5 FT
** STA 75+80.93 TO STA 76+00.00, 2.5 FT - 4 FT
** STA 76+00.00 TO STA 76+20.17, 4 FT
** STA 76+20.17 TO STA 76+38.93, 4 FT - 2.5 FT
** STA 76+38.93 TO STA 76+44.67, 2.5 FT
** STA 76+44.67 TO STA 76+72.17, 2.5 FT - 0 FT

P:\01 CAD\2021\xxxx\202100789 WSR&RC Cape Disappointment - Culverts Replacements\DWG\C-9 WESTERN CROSSING CHANNEL.dwg - PLOTTED BY: ALAINA FLOOR - PLOT TIME: 3/27/2024 9:17:33 PM



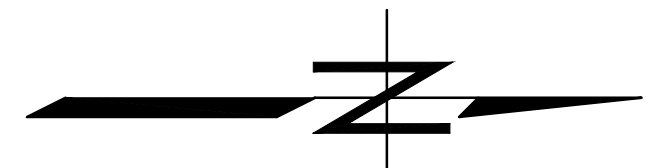
WESTERN CROSSING CHANNEL GRADING
 PLAN SCALE: 1"=10'



WESTERN CROSSING CHANNEL GRADING
 PROFILE SCALE: 1"=10' HORIZONTAL
 1"=2.5' VERTICAL

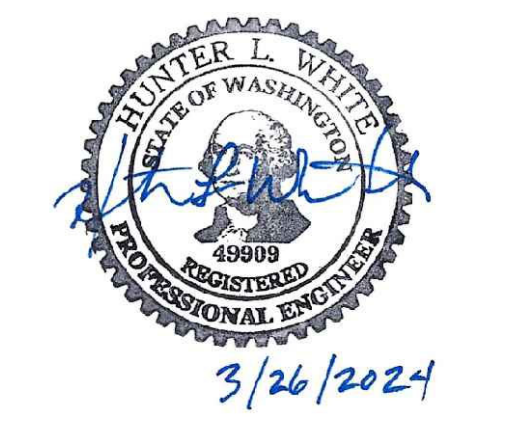
SHEET NOTES:

1. REPLACE EXISTING 36"x24" CMP CULVERT WITH 12' SPAN CONCRETE BOX CULVERT (CONTRACTOR DESIGNED).
2. COUNTERSINK BOX CULVERT AND PLACE A MINIMUM OF 2-FEET OF ENGINEERED STREAMBED MIX (30% STREAMBED SEDIMENT, 70% 8-INCH COBBLES), SEE SPECIFICATIONS FOR DETAILS.
3. MINIMIZE IMPACT TO ADJACENT WETLAND AREAS AND PROTECT EXISTING BEAVER DAM UPSTREAM OF CULVERT CROSSING.
4. MAINTAIN EXISTING DRAINAGE DITCH FLOW PATHS DRAINING TO CULVERT ON UPSTREAM/NORTH SIDE OF ROADWAY.



CAD NO. PARKCODE-PROJECTCODE-YEAR-FILENAME		
DATE	APP.	INT.
NO.	REVISIONS	

ACTION	BY	DATE
DESIGNED	HLW	03/22/23
DRAWN	KCN	03/22/23
CHECKED (FIELD)	HLW	03/22/23
CHECKED (HDQTS.)		



WASHINGTON STATE PARKS AND RECREATION COMMISSION

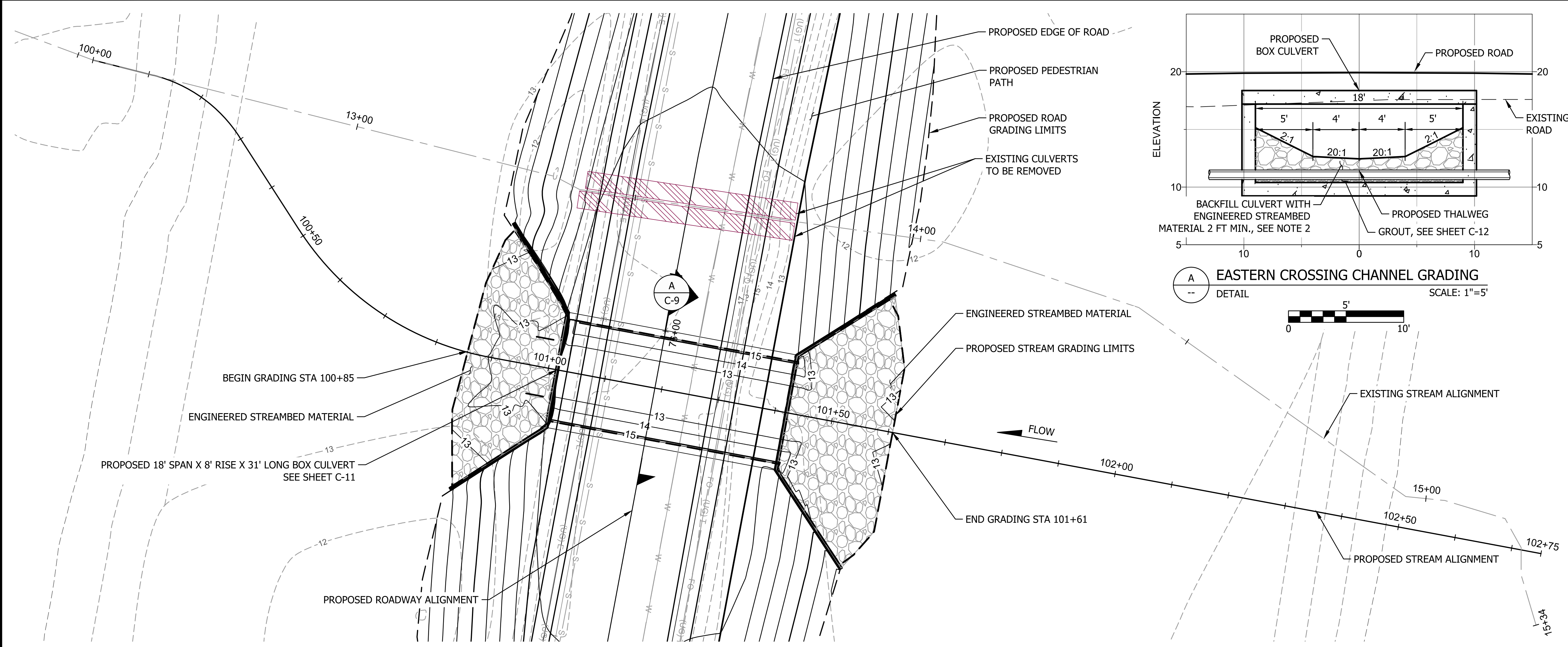
CAPE DISAPPOINTMENT STATE PARK
 REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

WESTERN CROSSING CHANNEL GRADING PLAN & PROFILE C-8

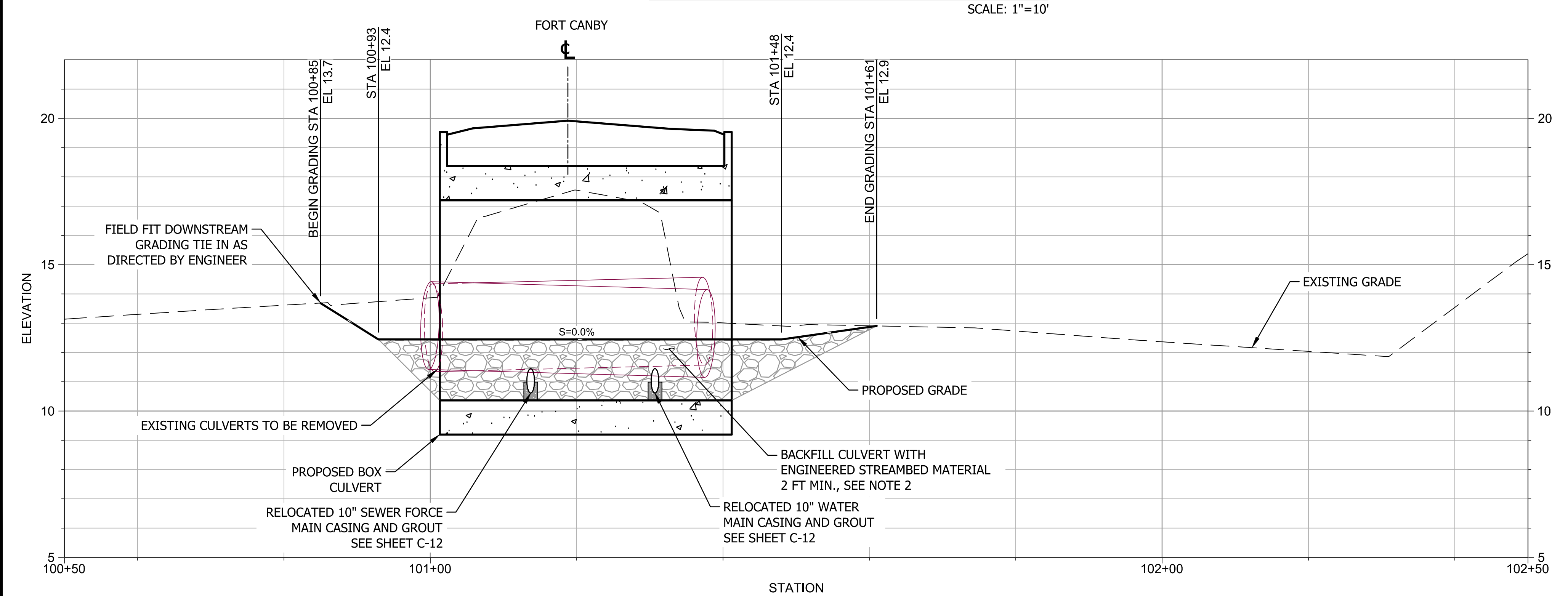
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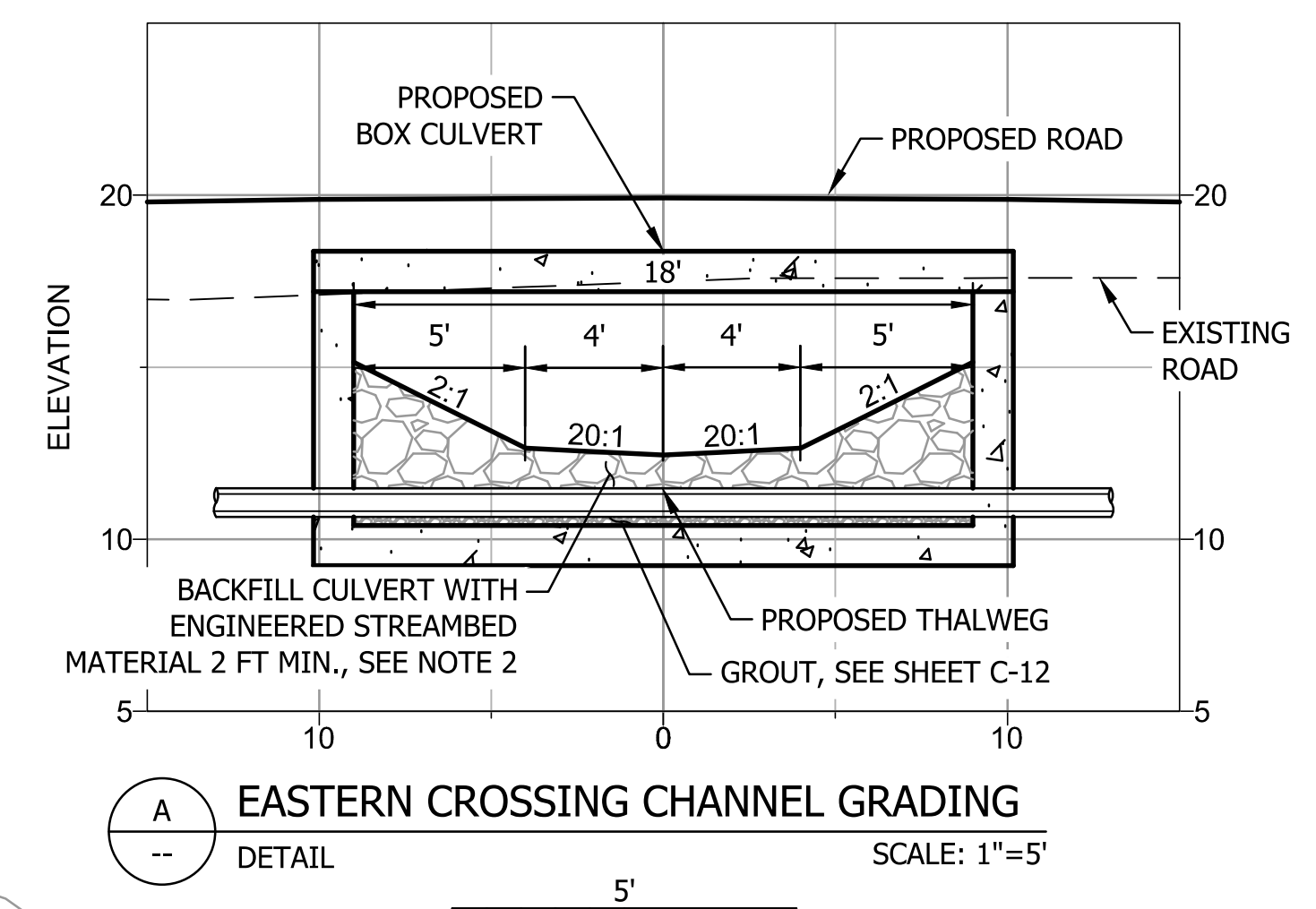
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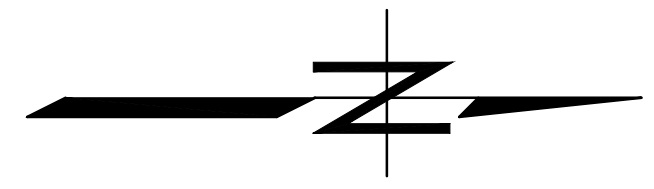
EASTERN CROSSING CHANNEL GRADING PLAN
SCALE: 1"=10'



EASTERN CROSSING CHANNEL PROFILE
SCALE: 1"=10' HORIZONTAL
1"=2.5' VERTICAL



A EASTERN CROSSING CHANNEL GRADING
DETAIL SCALE: 1"=5'

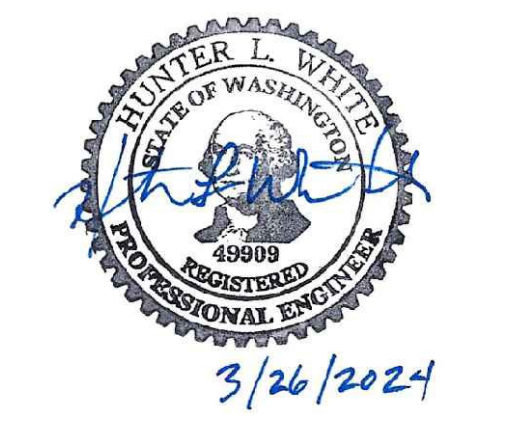


SHEET NOTES:

1. REPLACE EXISTING 36" CMP CULVERTS WITH 18' SPAN CONCRETE BOX CULVERT (CONTRACTOR DESIGNED).
2. COUNTERSINK BOX CULVERT AND PLACE A MINIMUM OF 2-FEET OF ENGINEERED STREAMBED MIX (30% STREAMBED SEDIMENT, 70% 8-INCH COBBLES), SEE SPECIFICATIONS FOR DETAILS.
3. MINIMIZE IMPACT TO ADJACENT WETLAND AREAS AND PROTECT EXISTING BEAVER DAM UPSTREAM OF CULVERT CROSSING.

CAD NO. PARKCODE-PROJECTCODE-YEAR-FILENAME	
	DATE
	APP.
	INT.
	REVISIONS
	NO.

ACTION	BY	DATE
DESIGNED	HLW	03/22/23
DRAWN	KCN	03/22/23
CHECKED (FIELD)	HLW	03/22/23
CHECKED (HDQTS.)		



REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT STATE PARK

REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

EASTERN CROSSING CHANNEL GRADING PLAN & PROFILE
C-9

SCALE: AS SHOWN
PARKS FILE#

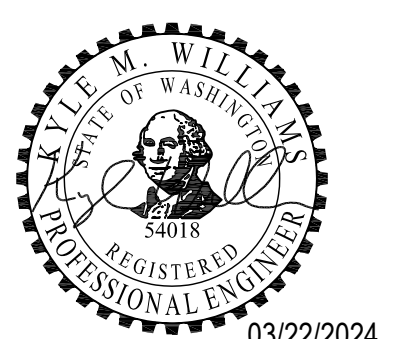


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CAD NO. XX

	DATE
	APP.
	INT.
	REVISIONS
	NO.

ACTION	BY	DATE
DESIGNED	KMW	
DRAWN	CAS	
CHECKED (FIELD)		
CHECKED (HDQTS.)		



REGISTERED STAMP

WASHINGTON
STATE
PARKS
AND
RECREATION
COMMISSION



CAPE
DISAPPOINTMENT
STATE PARK

REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD

WEST STRUCTURE
DETAILS

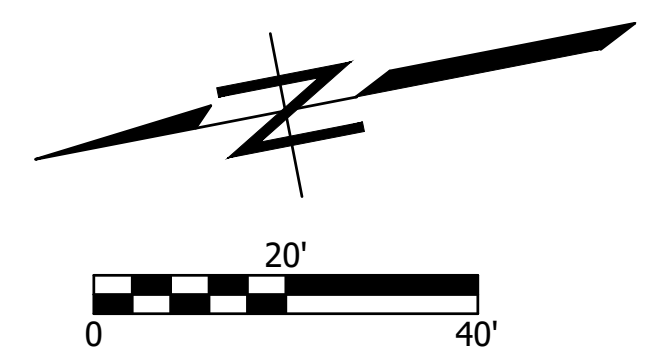
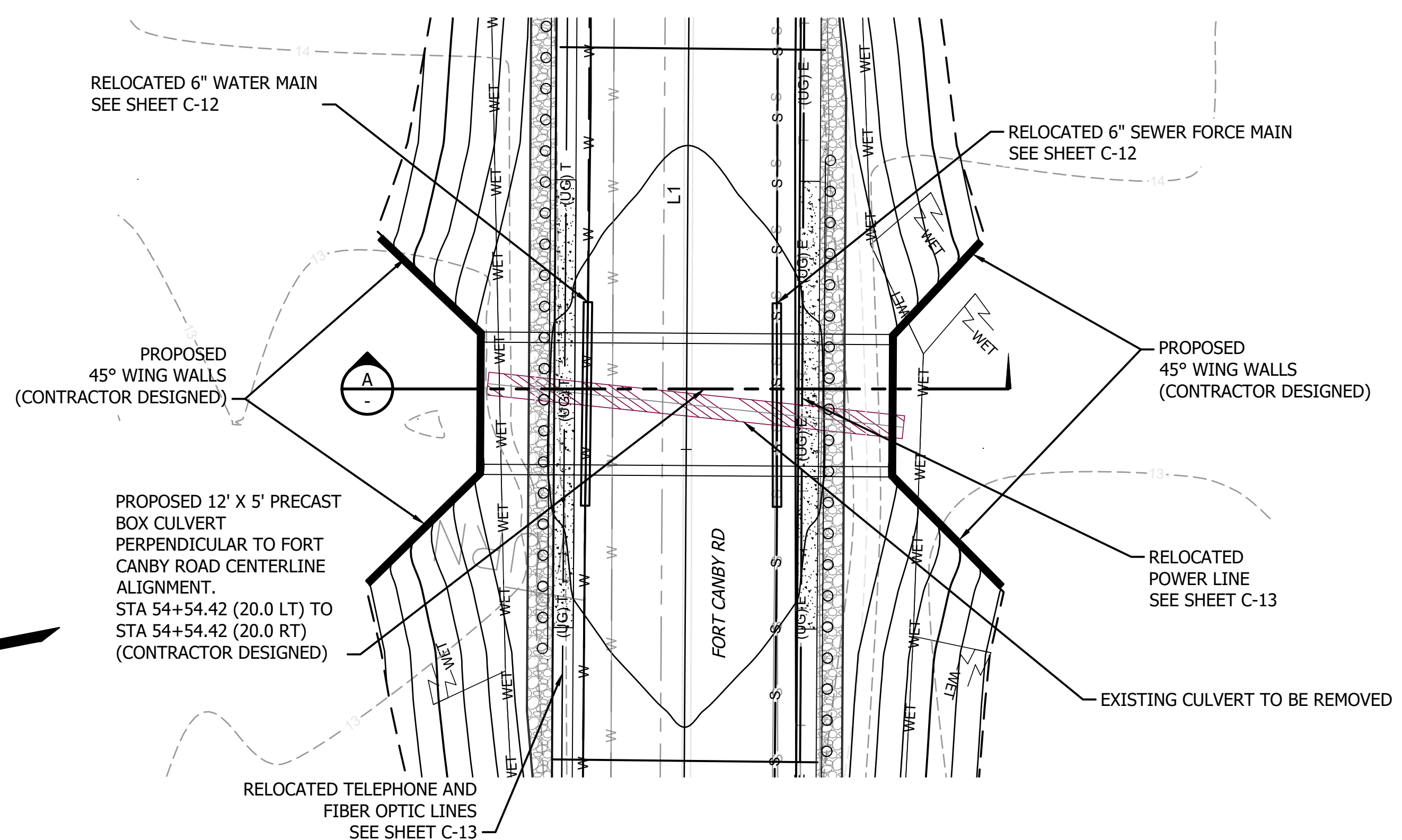
C-10

SCALE
AS SHOWN

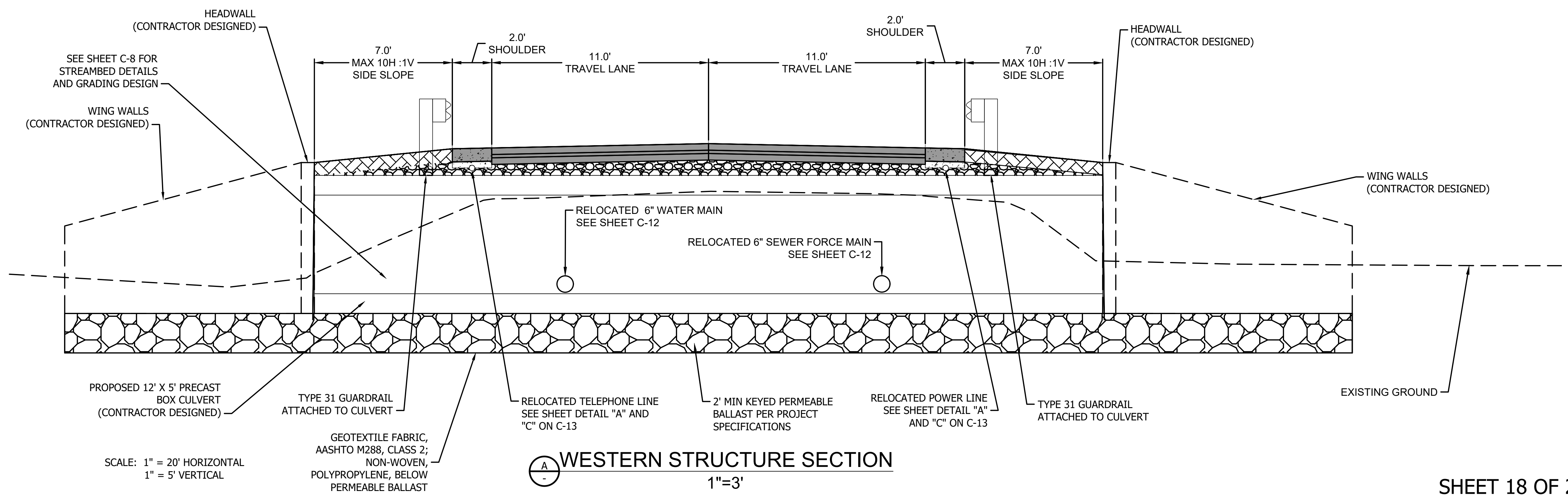
PARKS FILE#

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING CULVERT LOCATIONS.
2. PROPOSED BOX CULVERT LOCATION AND ELEVATIONS ARE APPROXIMATE AND MAY BE MODIFIED BY THE CONTRACTOR AS REQUIRED TO INSTALL CONTRACTOR DESIGNED BURIED STRUCTURE. ALL REVISED INFORMATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. CULVERT EXCAVATION LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING TEMPORARY EXCAVATION LIMITS, INCLUDING ANY SHORING.
4. EXISTING WATER LINE AND EXISTING SANITARY FORCE MAIN MAY BE OFFLINE DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO SERVICE INTERUPTION. LOCATIONS SHOWN ARE APPROXIMATE, FIELD VERIFY.
5. PROPOSED GUARDRAIL POSTS TO BE ATTACHED DIRECTLY TO TOP SLAB OF PROPOSED BOX CULVERT PER WSDOT STANDARD PLAN C-20.41-04.
6. HEADWALLS AND WINGWALLS ARE INCLUDED, WHERE APPLICABLE IN THE LUMP SUM BID ITEM FOR CONTRACTOR FURNISHED PRECAST BOX CULVERT. SEE SPECIAL PROVISIONS.
7. CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER AT ALL JOINTS BETWEEN THE WINGWALL AND STRUCTURE TO PREVENT LOSS OF BACKFILL MATERIAL



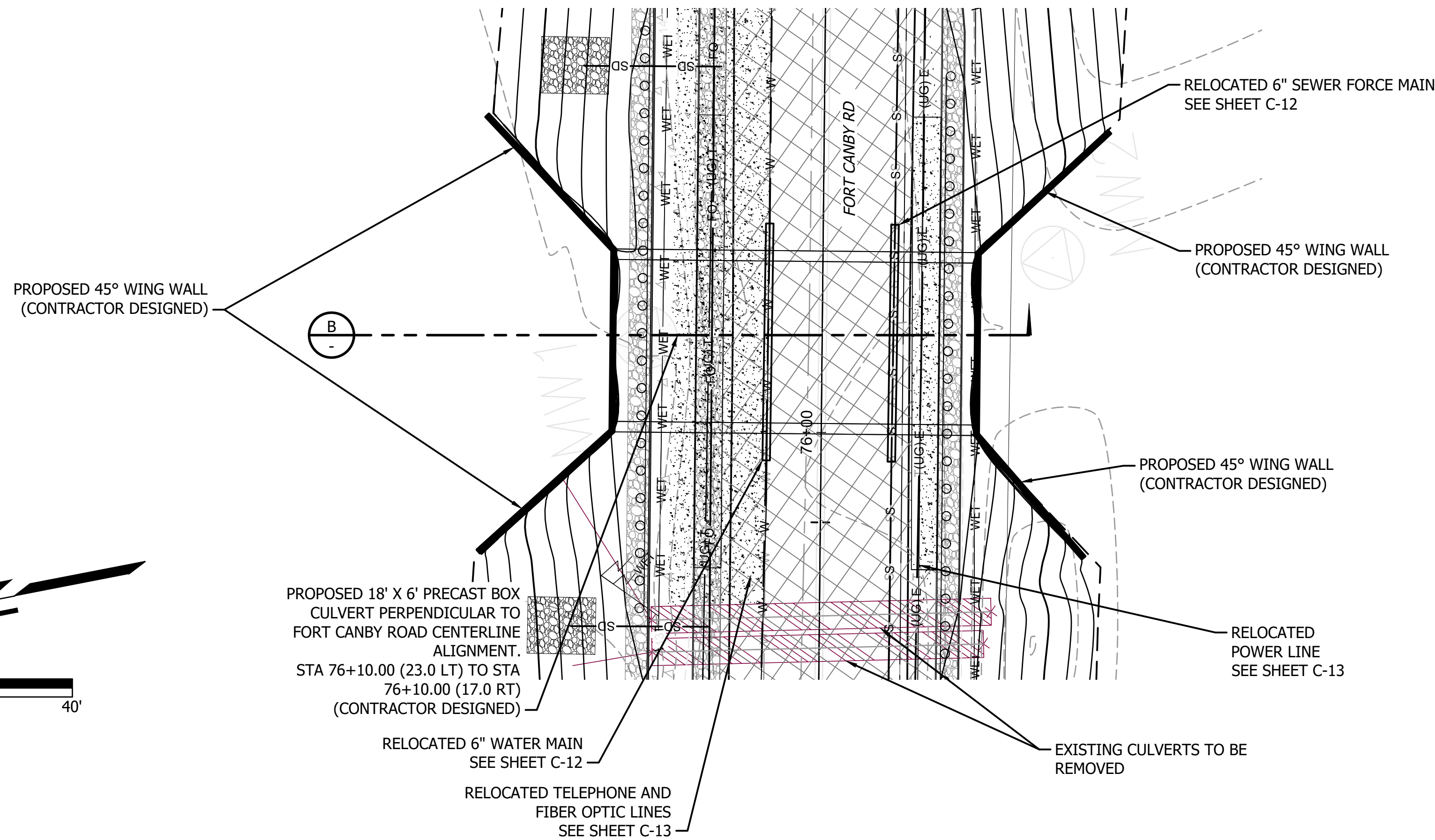
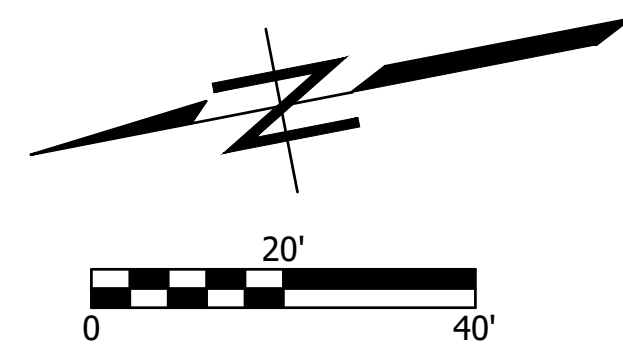
WESTERN STRUCTURE PLAN



WESTERN STRUCTURE SECTION
1"=3'

SCALE: 1" = 20' HORIZONTAL
1" = 5' VERTICAL

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EASTERN STRUCTURE PLAN

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING CULVERT LOCATIONS.
2. PROPOSED BOX CULVERT LOCATION AND ELEVATIONS ARE APPROXIMATE AND MAY BE MODIFIED BY THE CONTRACTOR AS REQUIRED TO INSTALL CONTRACTOR DESIGNED BURIED STRUCTURE. ALL REVISED INFORMATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. CULVERT EXCAVATION LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING TEMPORARY EXCAVATION LIMITS, INCLUDING ANY SHORING.
4. EXISTING WATER LINE AND EXISTING SANITARY FORCE MAIN MAY BE OFFLINE DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH WASHINGTON STATE PARKS PRIOR TO SERVICE INTERRUPTION. LOCATIONS SHOWN ARE APPROXIMATE, FIELD VERIFY.
5. PROPOSED GUARDRAIL POSTS TO BE ATTACHED DIRECTLY TO TOP SLAB OF PROPOSED BOX CULVERT PER WSDOT STANDARD PLAN C-20.41-04.
6. HEADWALLS AND WINGWALLS ARE INCLUDED, WHERE APPLICABLE IN THE LUMP SUM BID ITEM FOR CONTRACTOR FURNISHED PRECAST BOX CULVERT. SEE SPECIAL PROVISIONS.
7. CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER AT ALL JOINTS BETWEEN THE WINGWALL AND STRUCTURE TO PREVENT LOSS OF BACKFILL MATERIAL

CAD NO. XX	
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	REVISIONS
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REGISTERED STAMP

WASHINGTON
STATE
PARKS
AND
RECREATION
COMMISSION



CAPE
DISAPPOINTMENT
STATE PARK

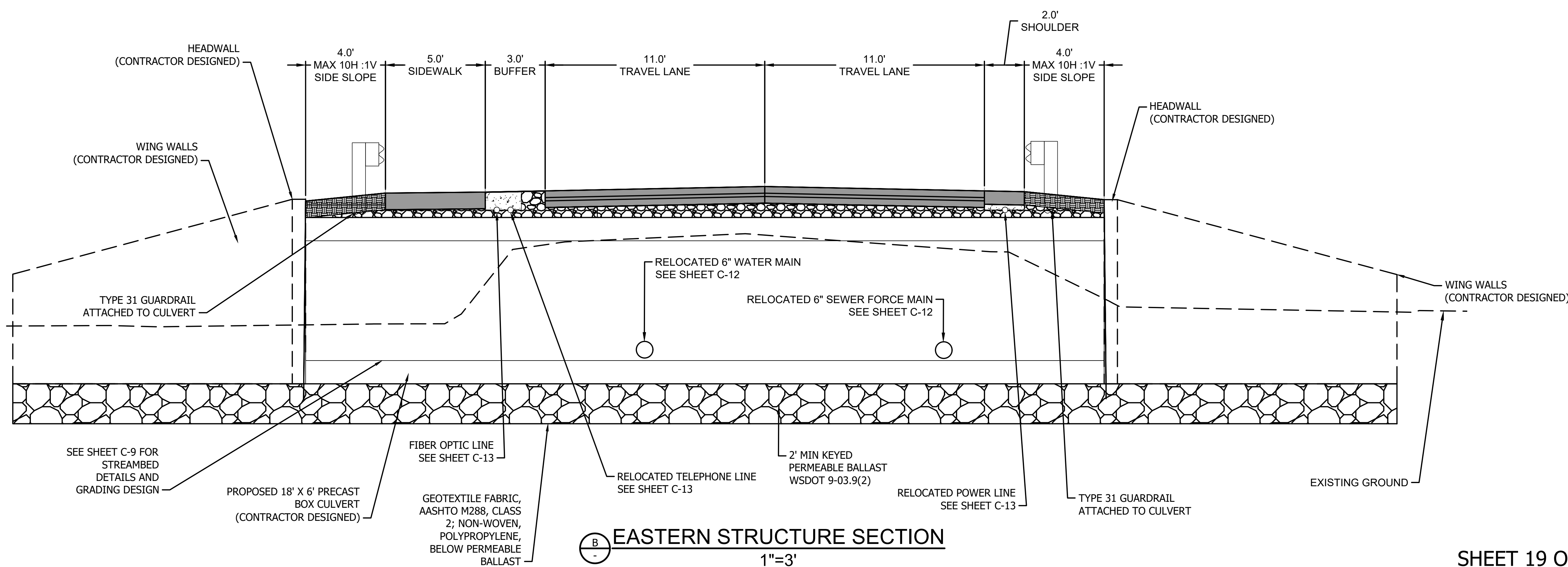
REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD

EAST STRUCTURE
DETAILS

C-11

SCALE
AS SHOWN

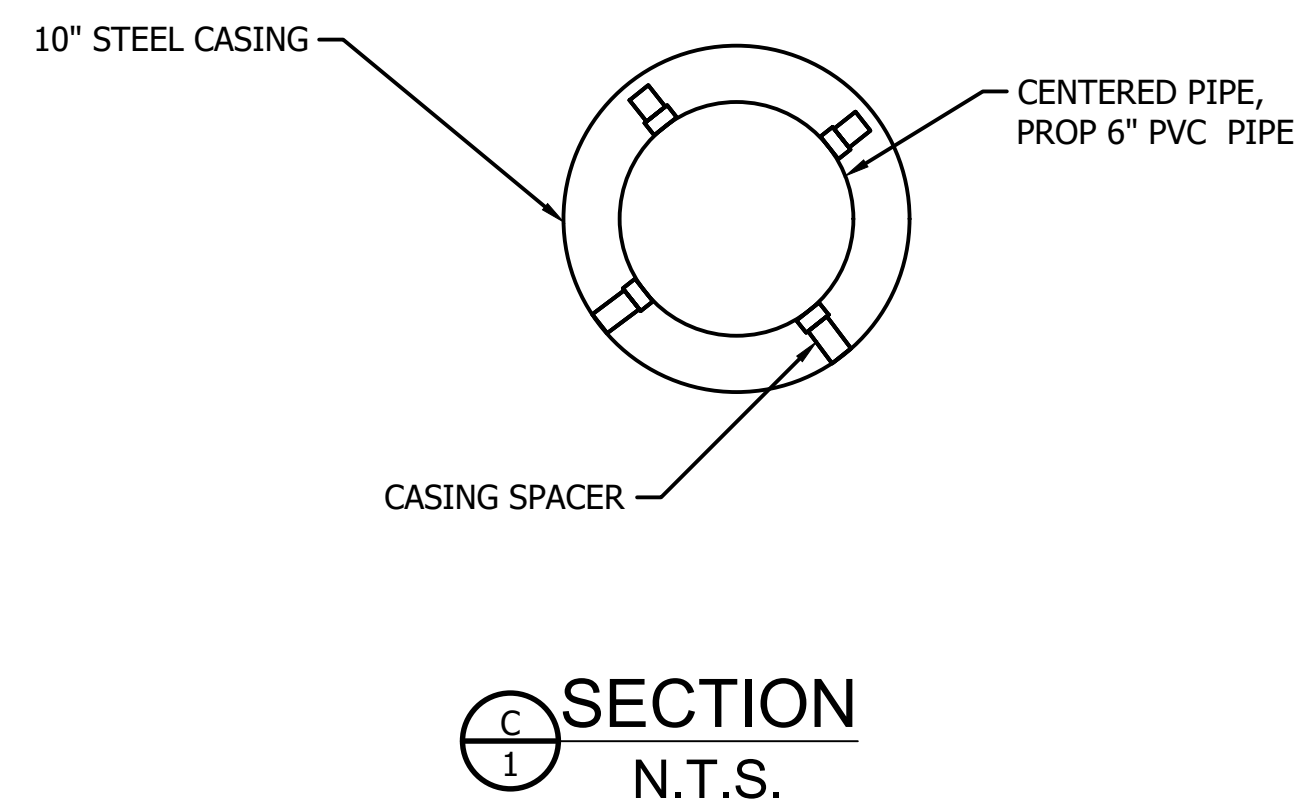
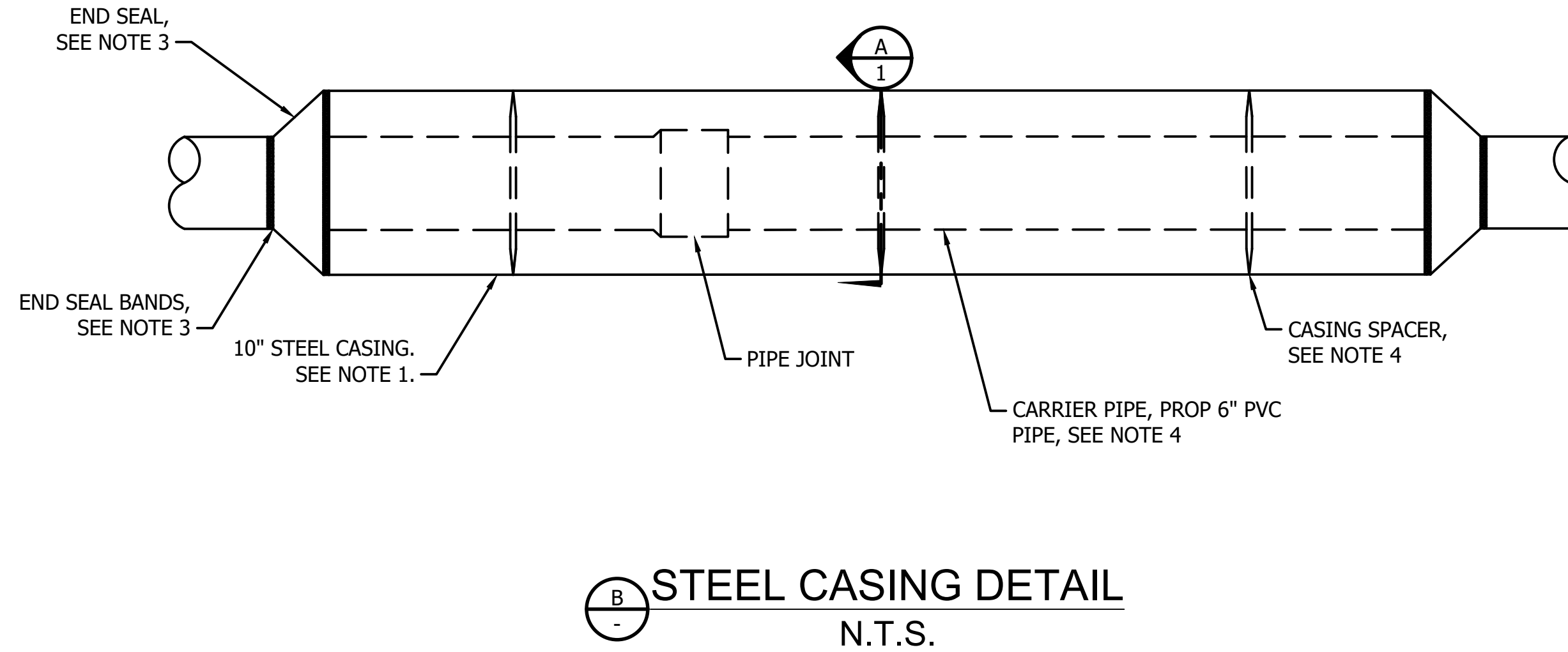
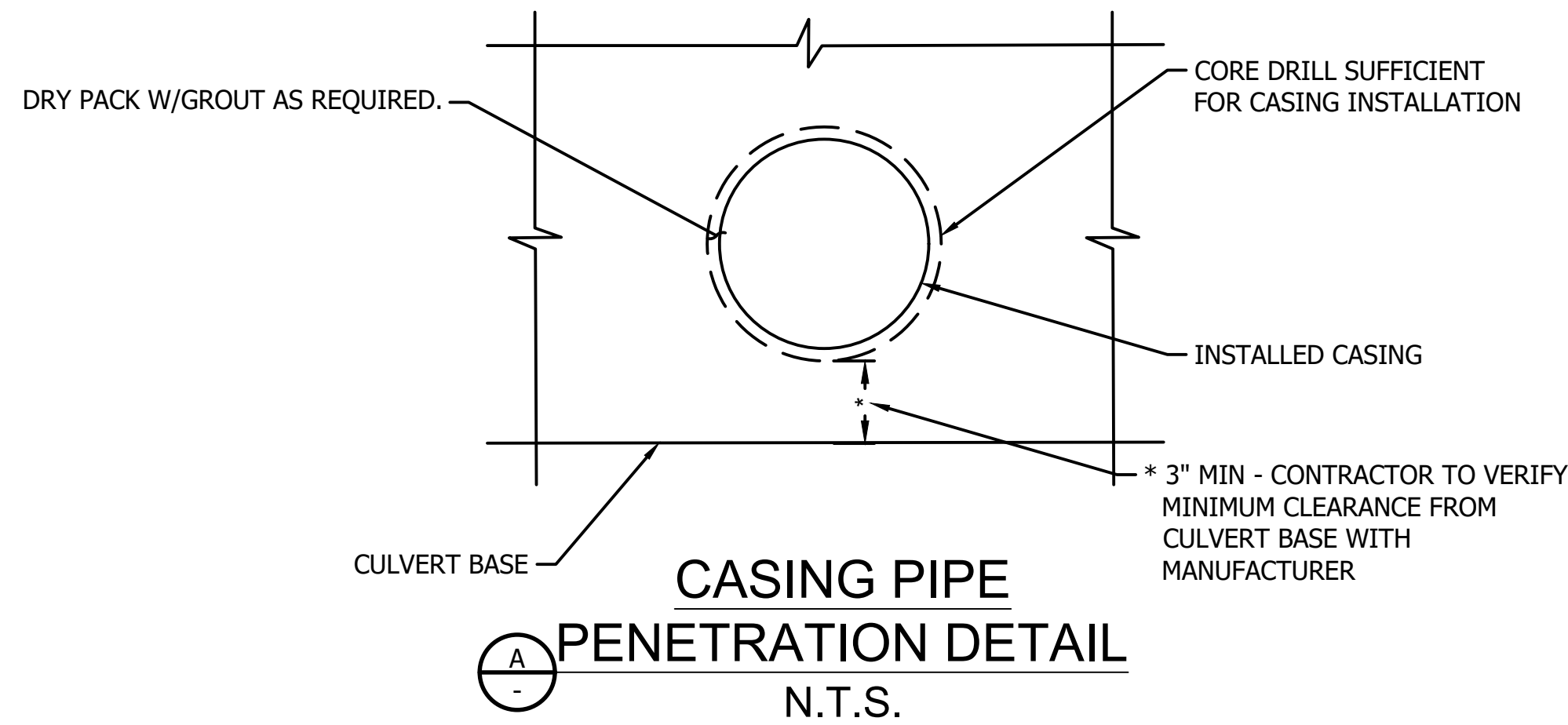
PARKS FILE#



EASTERN STRUCTURE SECTION

1"=3'

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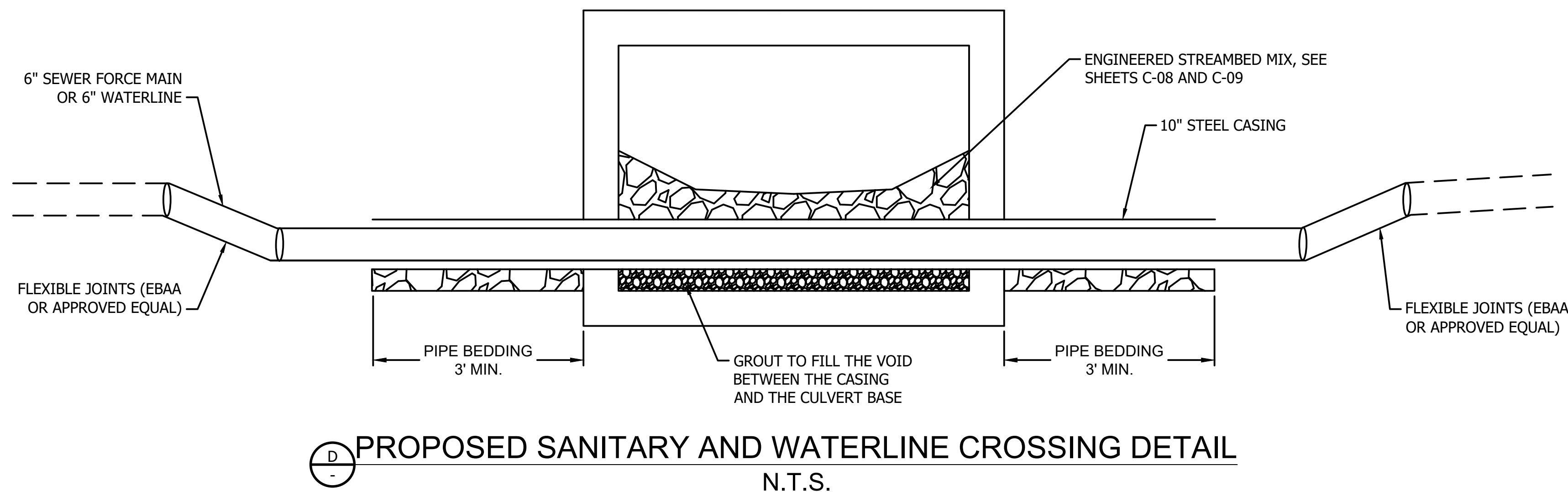


NOTES

1. STEEL CASING PIPE TO BE 1/4" THICK MIN.
2. CASING SPACERS TO BE SPACED ACCORDING TO MANUFACTURER RECOMMENDATIONS. SPACING DIMENSIONS SHOWN HERE ARE FOR CONCEPTUAL PURPOSES ONLY.
3. BOTH ENDS OF THE CASING PIPE SHALL BE SEALED WATER TIGHT. END SEALS SHALL BE NEOPRENE (OR APPROVED EQUAL) AND BANDS SHALL BE STAINLESS STEEL.
4. PIPE TO BE CENTERED IN CASING.
5. CASING SPACERS TO BE GPT RANGER II MDI OR APPROVED EQUAL.

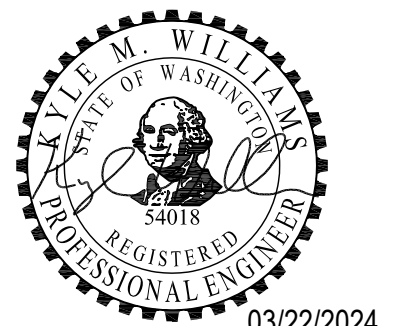
GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING SANITARY AND WATERLINE LOCATION.
2. ALL PIPES SHALL USE RESTRAINED GASKETS.
3. WHERE HORIZONTAL OR VERTICAL BENDS ARE NEEDED BUT NOT SPECIFIED, DEFLECT PIPE TO ACHIEVE ALIGNMENT. DEFLECTION SHALL NOT EXCEED 50% OF THAT ALLOWED BY THE PIPE MANUFACTURER.
4. FLEXIBLE JOINTS SHALL BE EBAA FLEX-TEND MODEL 406M20 OR APPROVED EQUAL. FLEXIBLE JOINTS ARE INTENDED TO ALLOW FOR SETTLEMENT AND NOT FOR PIPE ALIGNMENT ADJUSTMENT. ANY PIPE ALIGNMENT ADJUSTMENT SHALL NOT EXCEED MORE THAN 25% OF THE DEFLECTION ALLOWED BY THE MANUFACTURER.



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REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

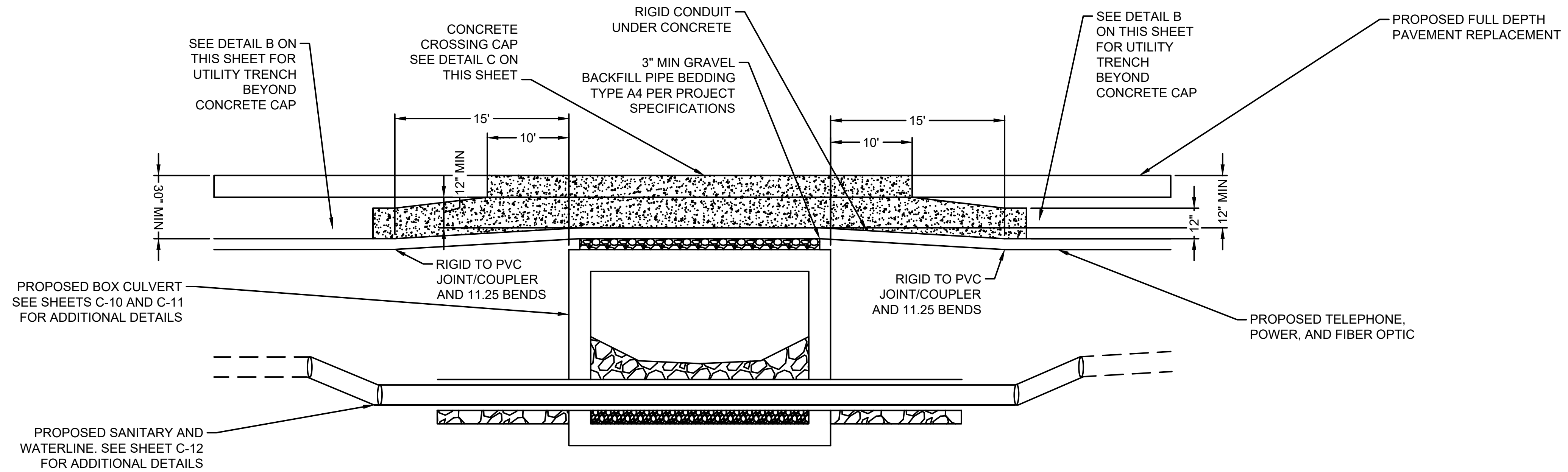
CAPE DISAPPOINTMENT STATE PARK
REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

UTILITY CROSSING DETAILS - 1

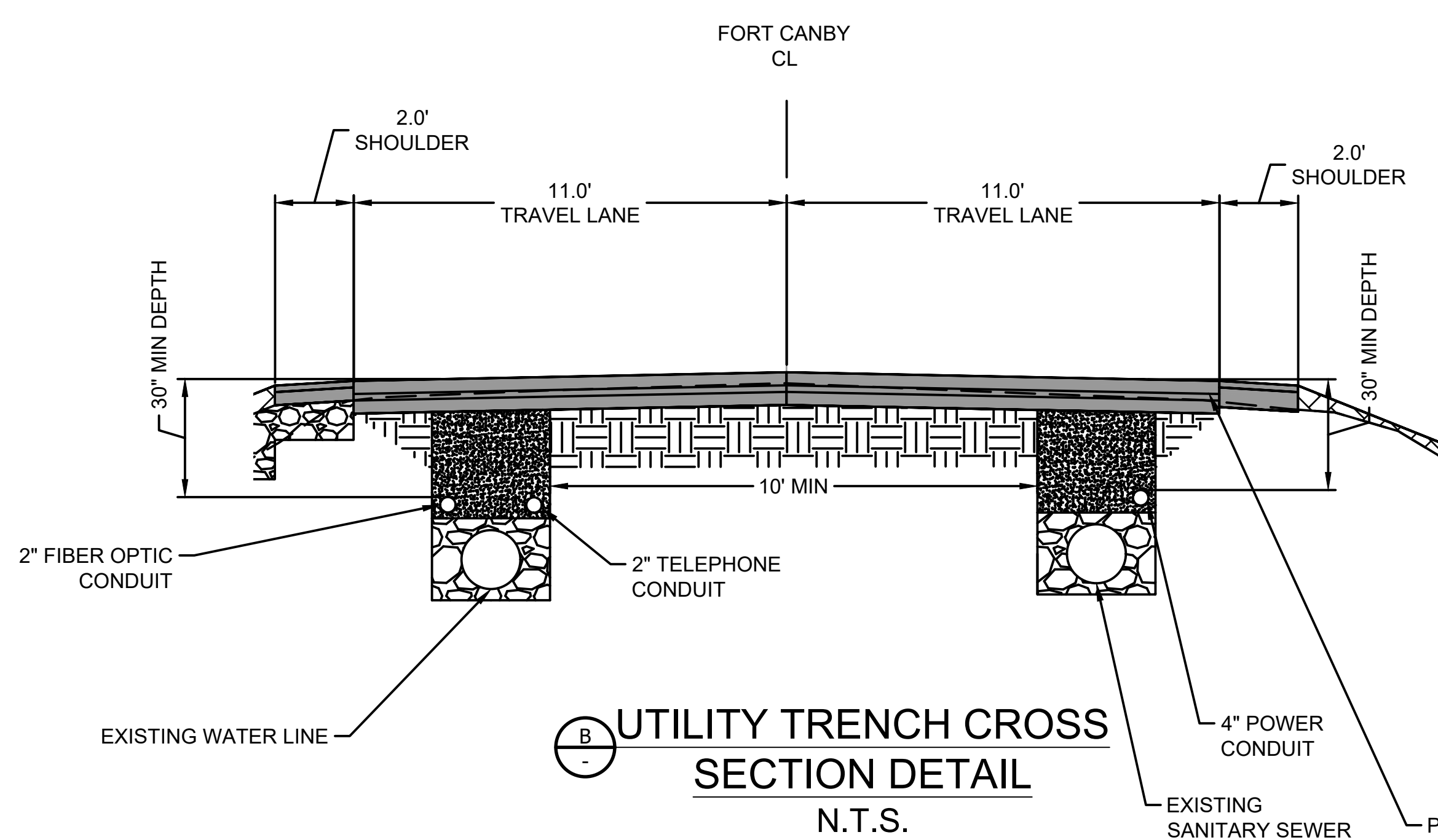
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SCALE
AS SHOWN
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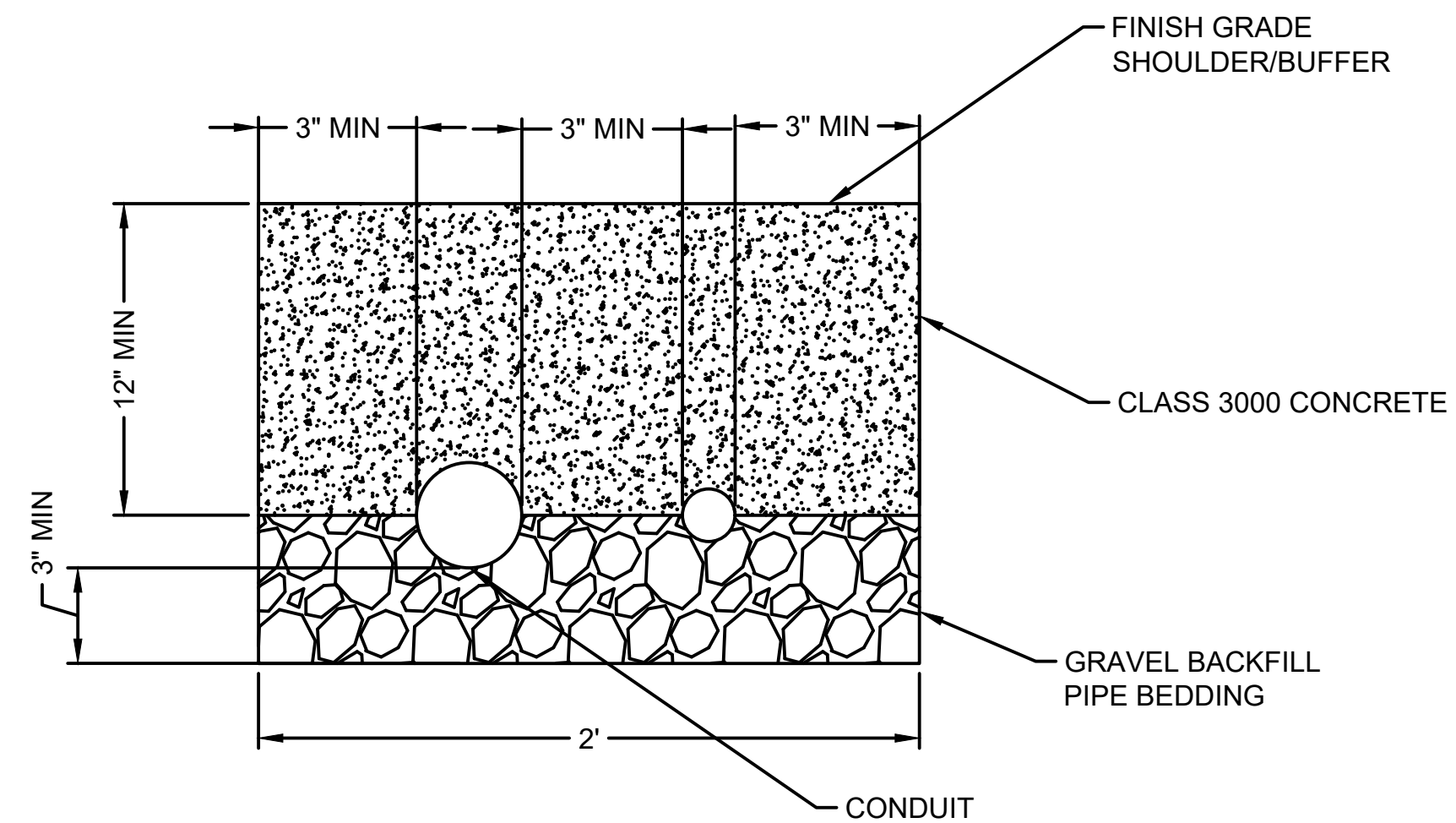
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UTILITY CROSSING DETAIL
N.T.S.



UTILITY TRENCH CROSS SECTION DETAIL
N.T.S.



CULVERT CROSSING CAP DETAIL
N.T.S.

GENERAL NOTES

1. CONDUITS TO BE CAPPED WITH CONCRETE UNTIL A DEPTH OF 30".
2. GRAVEL BACKFILL PIPE BEDDING TO CONFORM TO WSDOT STANDARD SPECIFICATIONS 9-03.12(4)
3. CONTRACTOR TO FIELD VERIFY EXISTING POWER AND TELEPHONE UTILITY LOCATIONS.
4. WHERE VERTICAL BENDS ARE NEEDED BUT NOT SPECIFIED, CONTRACTOR TO COORDINATE WITH OWNER TO FIELD VERIFY FINAL LOCATIONS OF BENDS AND COUPLERS FOR POWER, TELEPHONE, AND FIBER OPTIC UTILITIES.

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CHECKED (FIELD)		
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REGISTERED STAMP

WASHINGTON
STATE
PARKS
AND
RECREATION
COMMISSION

**CAPE
DISAPPOINTMENT
STATE PARK**

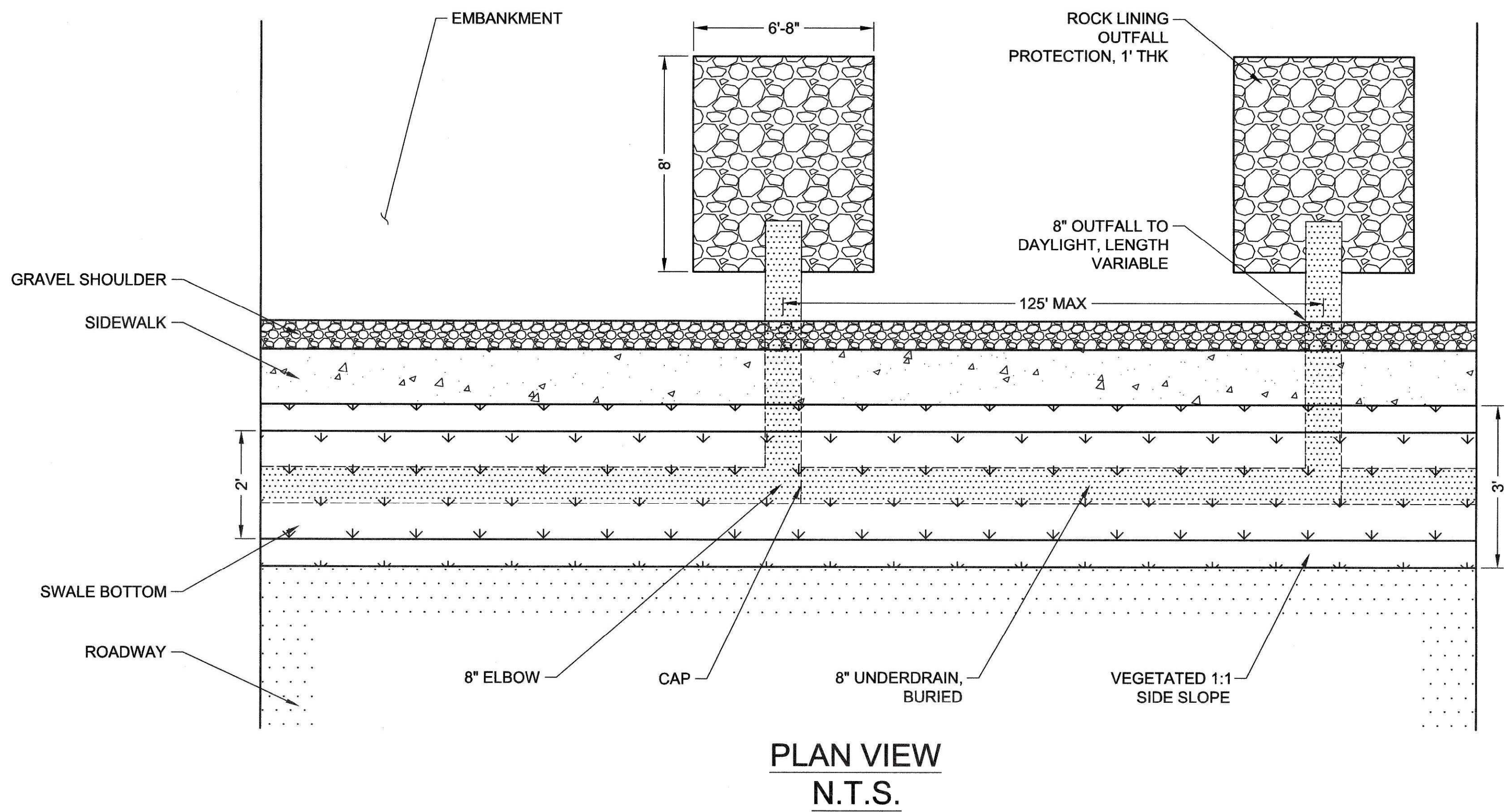
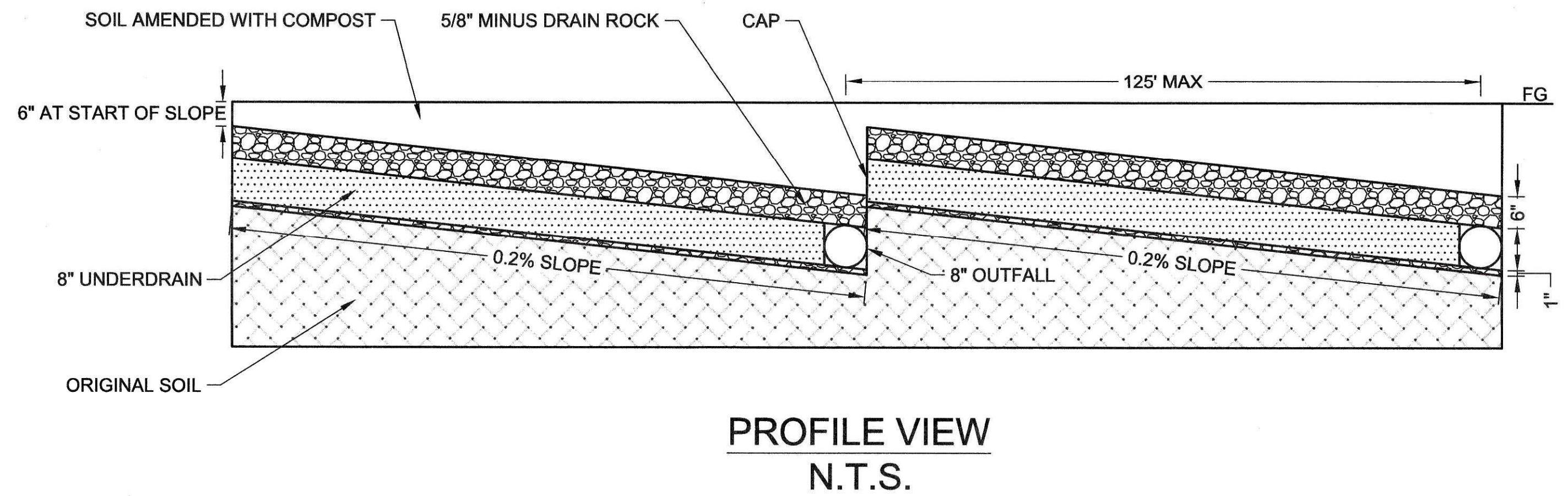
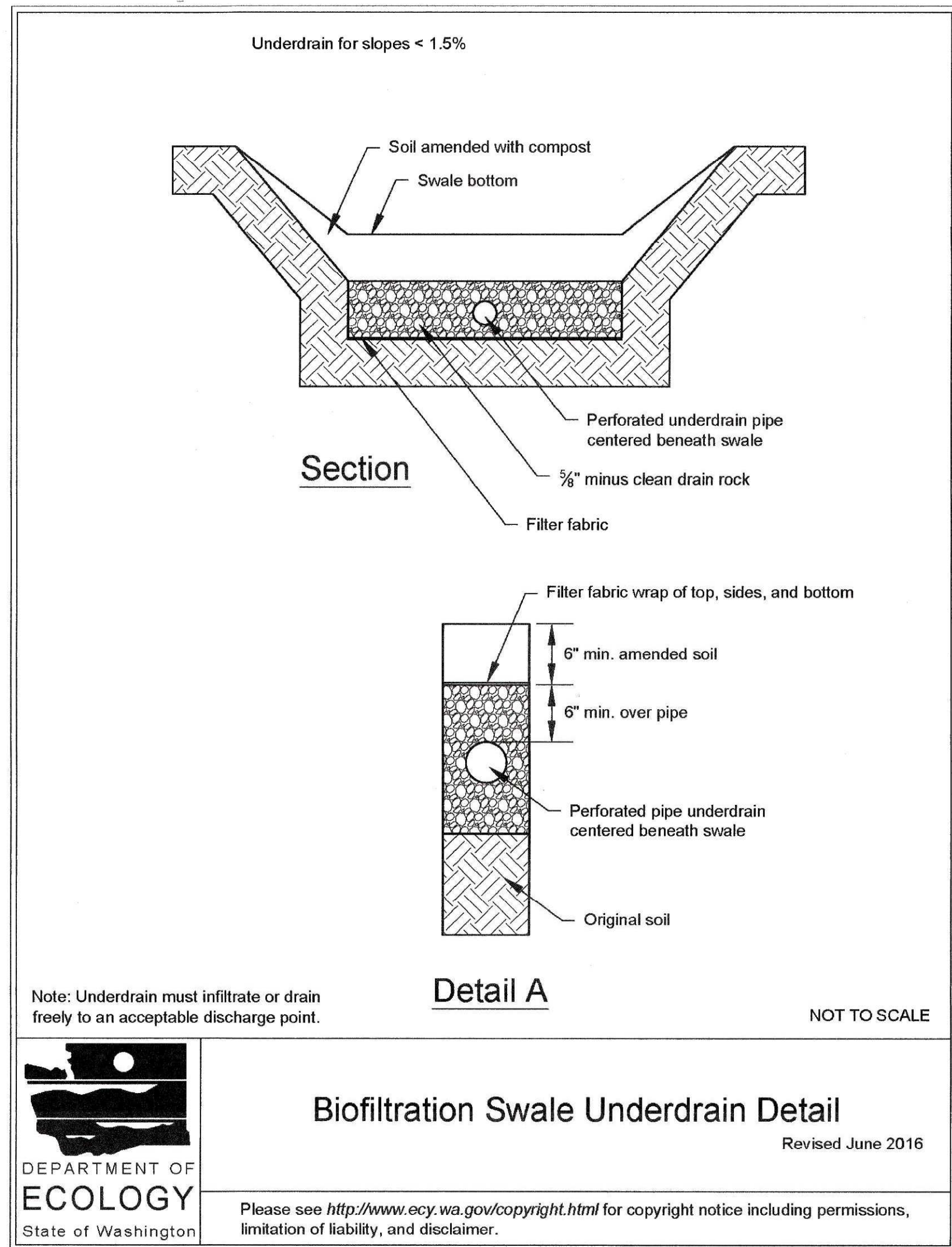
**REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD**

**UTILITY
CROSSING
DETAILS - 2**

C-13

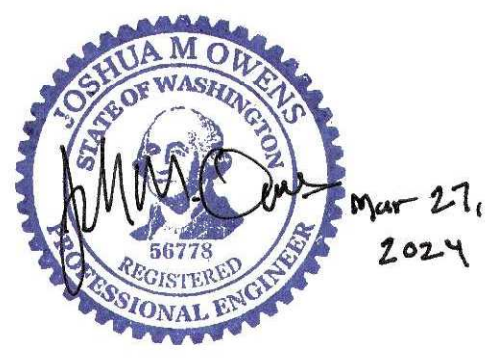
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AS SHOWN

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REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT STATE PARK

REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

BIOFILTRATION SWALE DETAILS

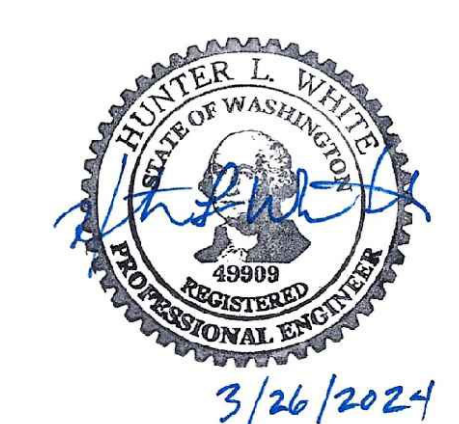
C-14

SCALE
N.T.S.

PARKS FILE#

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	REVISIONS
	NO.

ACTION	BY	DATE
DESIGNED	SAR	03/22/23
DRAWN	CGW	03/22/23
CHECKED (FIELD)	HLW	03/22/23
CHECKED (HDQTS.)		



REGISTERED STAMP

WASHINGTON
STATE
PARKS
AND
RECREATION
COMMISSION



CAPE
DISAPPOINTMENT
STATE PARK

REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD

REVEGETATION PLAN

- 1

L-1

SCALE

1" = 20'

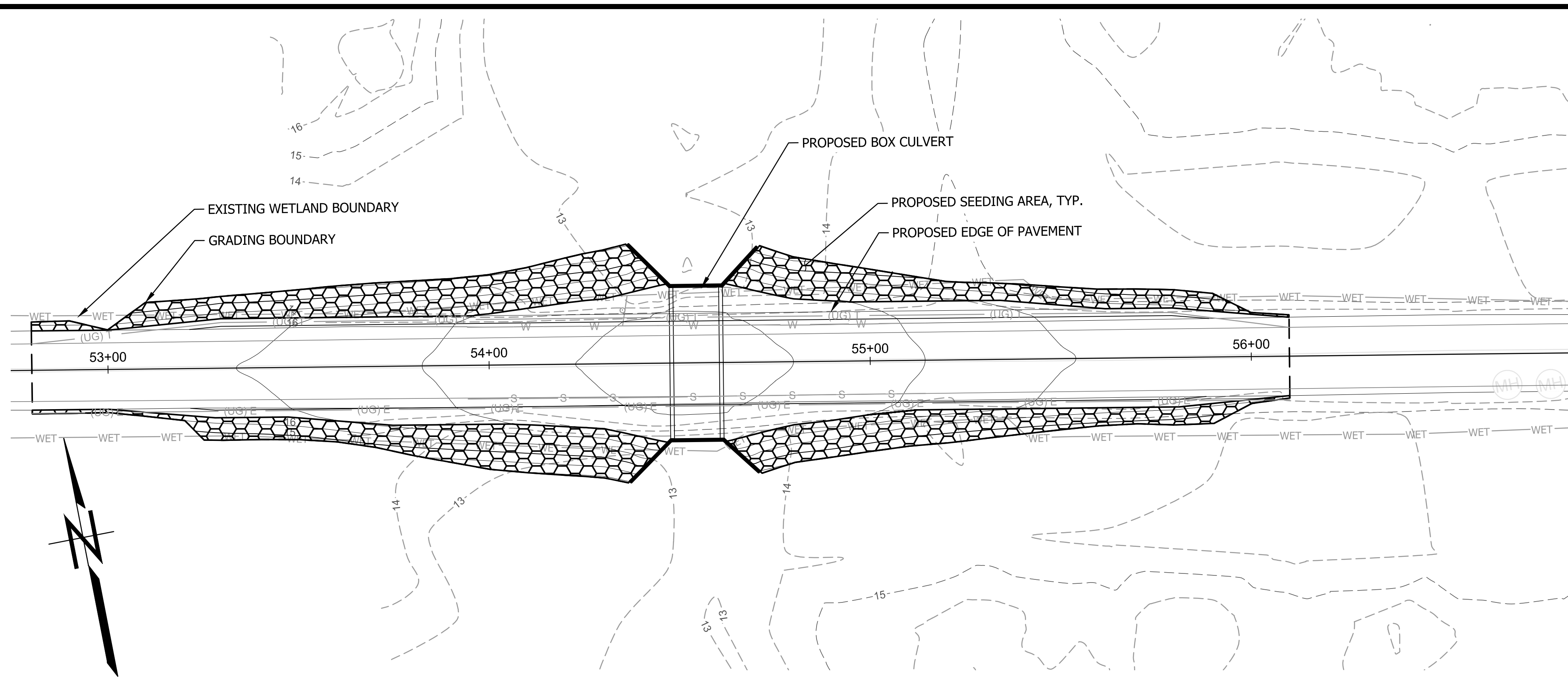
PARKS FILE#

LEGEND:

- EXISTING WETLAND BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- GRADING BOUNDARY
- PROPOSED SEEDING AREA

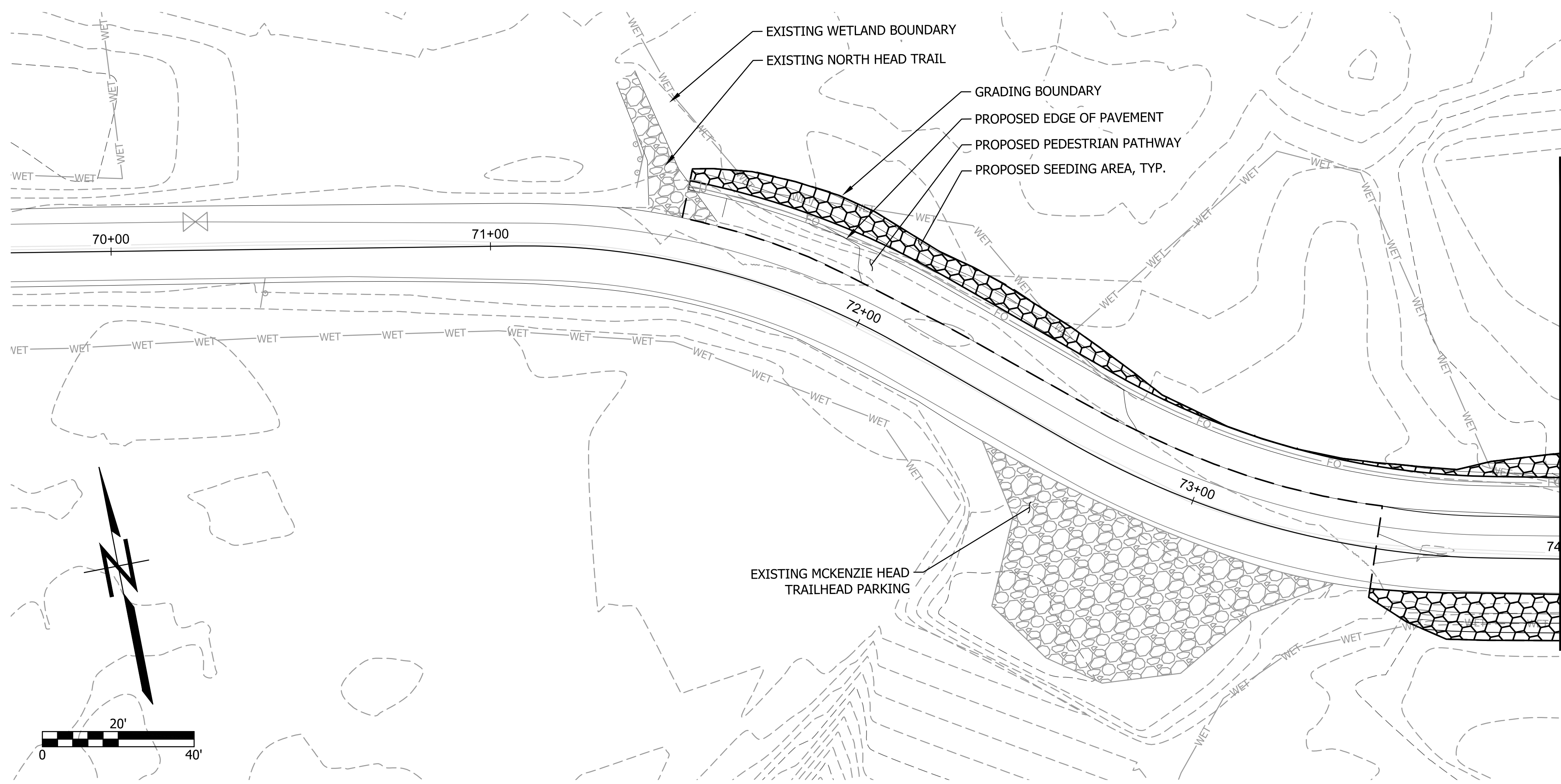
SHEET NOTES:

1. REFER TO SHEET L-3 FOR PLANTING SCHEDULE AND NOTES



WESTERN CROSSING CHANNEL REVEGETATION

PLAN SCALE: 1"=20'



EASTERN CROSSING CHANNEL REVEGETATION

PLAN SCALE: 1"=20'

MATCHLINE STATION 74+00
SEE SHEET L-2



IF SHEET IS LESS THAN 22X34 IT IS A REDUCED SET

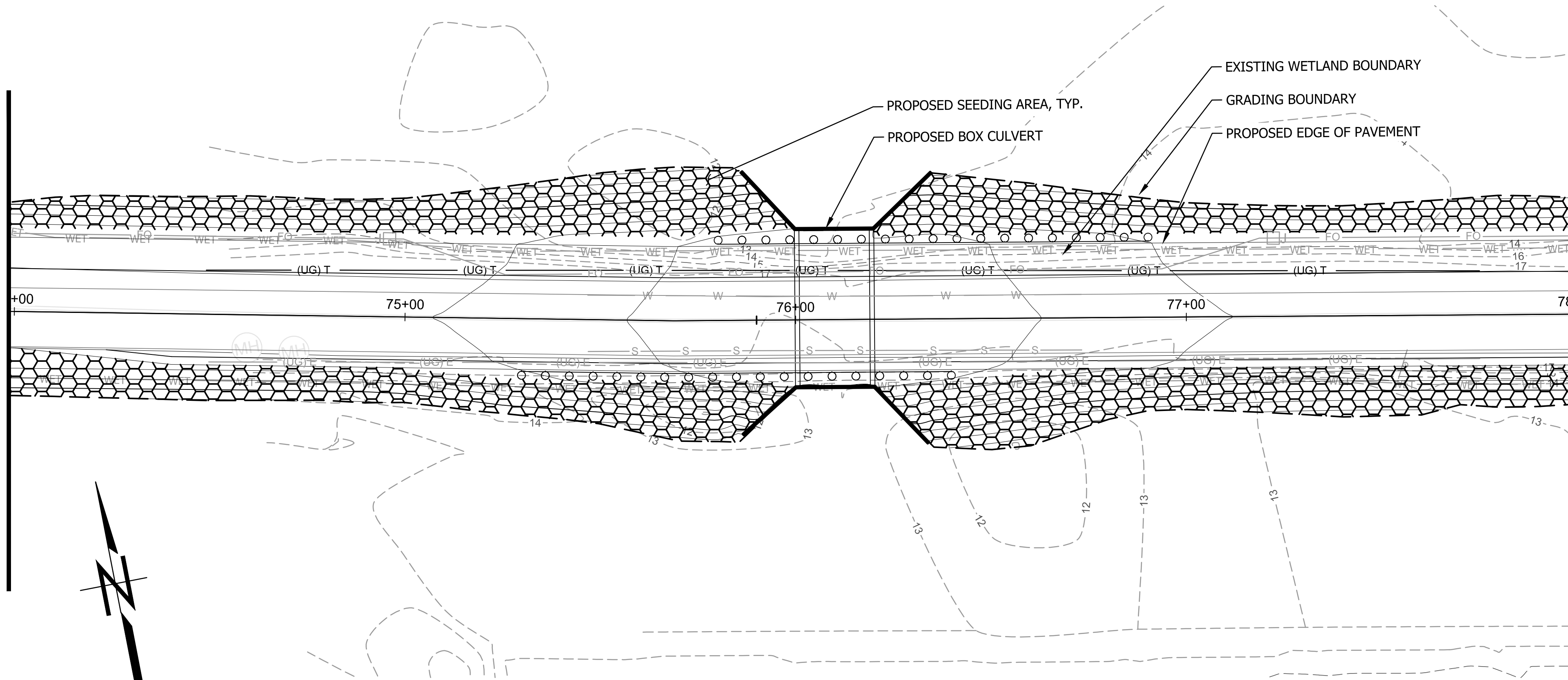
SHEET 23 OF 25

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SEE SHEET L-1 - MATCHLINE STATION 74+00

MATCHLINE STATION 78+00 - SEE ABOVE



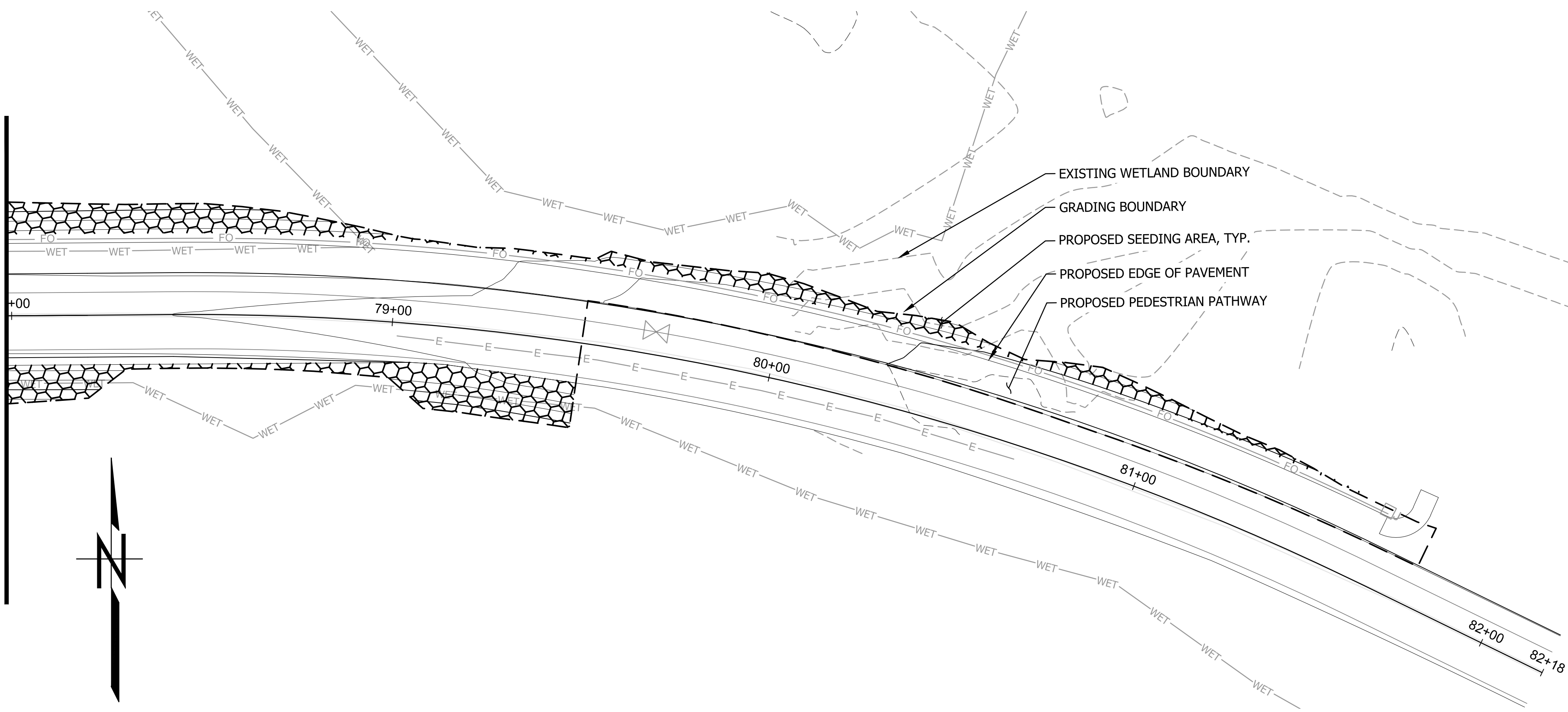
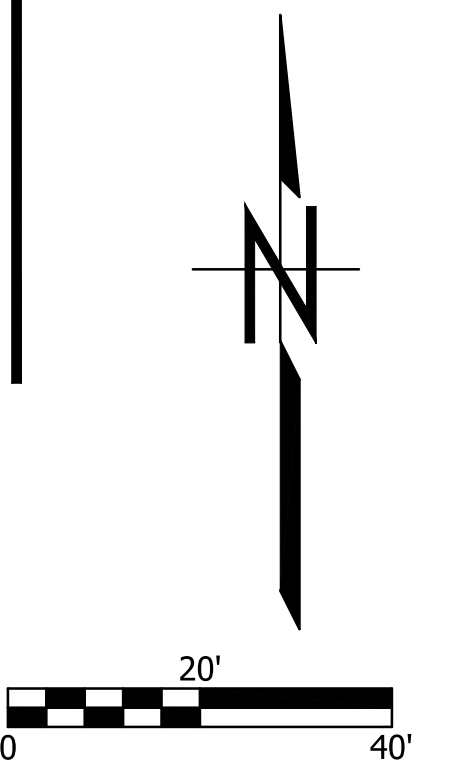
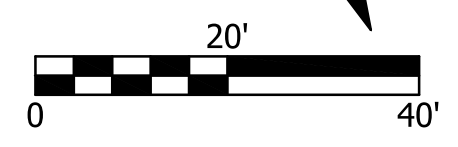
EASTERN CROSSING CHANNEL REVEGETATION
PLAN SCALE: 1"=20'

LEGEND:

- EXISTING WETLAND BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- GRADING BOUNDARY
- PROPOSED SEEDING AREA

SHEET NOTES:

1. REFER TO SHEET L-3 FOR PLANTING SCHEDULE AND NOTES



EASTERN CROSSING CHANNEL REVEGETATION
PLAN SCALE: 1"=20'

CAD NO. PARKCODE-PROJECTCODE-YEAR-FILENAME

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	SAR	03/22/23
DRAWN	CGW	03/22/23
CHECKED (FIELD)	HLW	03/22/23
CHECKED (HDQTS.)		



REGISTERED STAMP

WASHINGTON STATE PARKS AND RECREATION COMMISSION



CAPE DISAPPOINTMENT STATE PARK

REPLACE FAILING CULVERTS ON CAMPGROUND ACCESS ROAD

REVEGETATION PLAN
- 2 -
L-2

SCALE: 1" = 20'

PARKS FILE#

IF SHEET IS LESS THAN 22X34 IT IS A REDUCED SET
SHEET 24 OF 25



ROADSIDE EMBANKMENT MIX		AREA = 0.38 ACRES	
SEED			
Achillea millefolium - common yarrow	0.21 lbs	APPLICATION RATE:	
Agrostis exarata - spike bentgrass	0.40 lbs	Pounds of Pure Live Seed (PLS) PER ACRE	
Bidens cernua - nodding beggartick	7.04 lbs		
Carex obnupta - slough sedge	1.09 lbs		
Deschampsia cespitosa - tufted hairgrass	0.85 lbs		
Hordeum brachyantherum - meadow barley	10.76 lbs		
Symphotrichum subspicatum - Douglas aster	0.54 lbs		
	20.90 lbs	Total PLS per acre	

REVEGETATION GENERAL NOTES:

- SUBMIT A LIST OF SUPPLIERS AND SEED MATERIALS TO THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO ORDERING SEED MATERIALS. SUBMITTAL MUST INCLUDE SPECIES, QUANTITIES, ORIGINAL SOURCE/COLLECTION LOCATIONS, AND SEED PURITY AND GERMINATION RATES.
- PRIOR TO SEEDING, ALL AREAS TO BE SEEDED SHALL BE CLEARED AND GRUBBED OF INVASIVE SPECIES PER THE SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY ALL QUANTITIES, MEASUREMENTS, AND SITE CONDITIONS.
- IF PURITY/GERMINATION RATES OF PROVIDED SEED ARE LESS THAN SPECIFIED, THE BULK POUNDS OF SEED PER ACRE SHALL BE ADJUSTED TO ACHIEVE THE DESIRED PURE LIVE SEED (PLS) PER ACRE.
- CONTRACTOR SHALL CONTROL NOXIOUS OR INVASIVE WEEDS WHICH MAY DEVELOP ON SITE DURING MAINTENANCE PERIOD. SEE SPECIFICATIONS FOR MORE INFORMATION.
- CONTRACTOR SHALL REPAIR AND SEED ALL AREAS DISTURBED THROUGHOUT COURSE OF CONSTRUCTION WITH APPROPRIATE SEED MIX AND APPLICATION RATE AS PRESCRIBED IN PLANT SCHEDULE.
- THE LIMITS OF WORK SHALL BE FLAGGED IN THE FIELD PRIOR TO ANY CLEARING ACTIVITIES.

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DESIGNED	SAR	03/22/23
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CHECKED (HDQTS.)		



3/26/2024

REGISTERED STAMP

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COMMISSION



CAPE
DISAPPOINTMENT
STATE PARK

REPLACE FAILING
CULVERTS ON
CAMPGROUND
ACCESS ROAD

REVEGETATION
SCHEDULE

L-3



SCALE

IF SHEET IS LESS THAN 22X34 IT IS A REDUCED SET

SHEET 25 OF 25

PARKS FILE#