

LEGEND PROPOSED ITEMS

- 1

ITEM 442 - 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN
- 2

ITEM 442 - 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN
- 3

ITEM 407 - NON-TRACKING TACK COAT
- 4

ITEM 442 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN
- 5

ITEM 302 - 8" ASPHALT CONCRETE BASE, PG64-22 (2-4" LIFTS)
- 6

ITEM 304 - 6" AGGREGATE BASE, AS PER PLAN
- 7

ITEM 204 - PROOF ROLLING
- 8

ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP (MINIMUM)
- 9

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5")
- 10

ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL) (T=3")
- 11

ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- 12

ITEM 606 - GUARDRAIL, TYPE MGS
- 13

ITEM 618 - RUMBLE STRIPS, SHOULDER, (ASPHALT CONCRETE)
- 14

ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1
- 15

ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C1
- 16

ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN
- 17

ITEM 659 - SEEDING AND MULCHING
- 18

ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
- 19

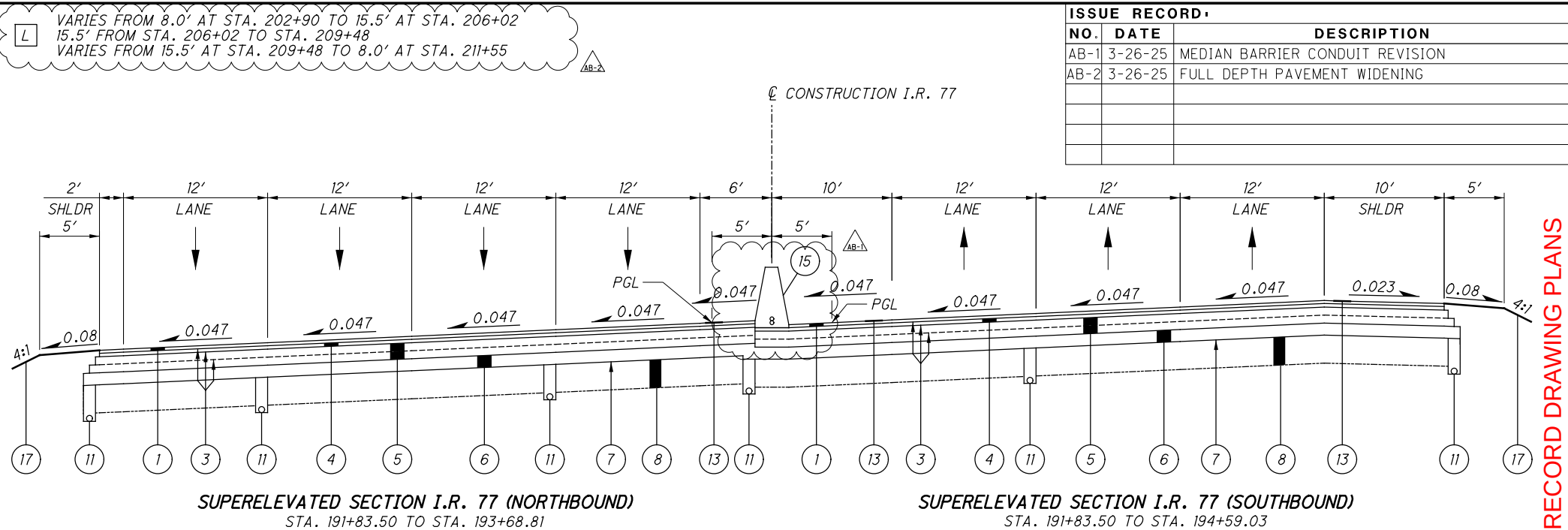
ITEM 670 - SLOPE EROSION PROTECTION MAT, TYPE E

Station	γ* Dimension per SCD 1-2.2 (in feet)	Notes
191+83.50	0.34	Begin BU-31, in Full Bifurcation (se = 4.7%)
228+50.17	0.34	Begin C1 Transition to Type B1
232+56.61	0.00	End Type C1 Median Barrier, Begin Type B1
244+54.39	0.00	End BU-31, Begin BU-32

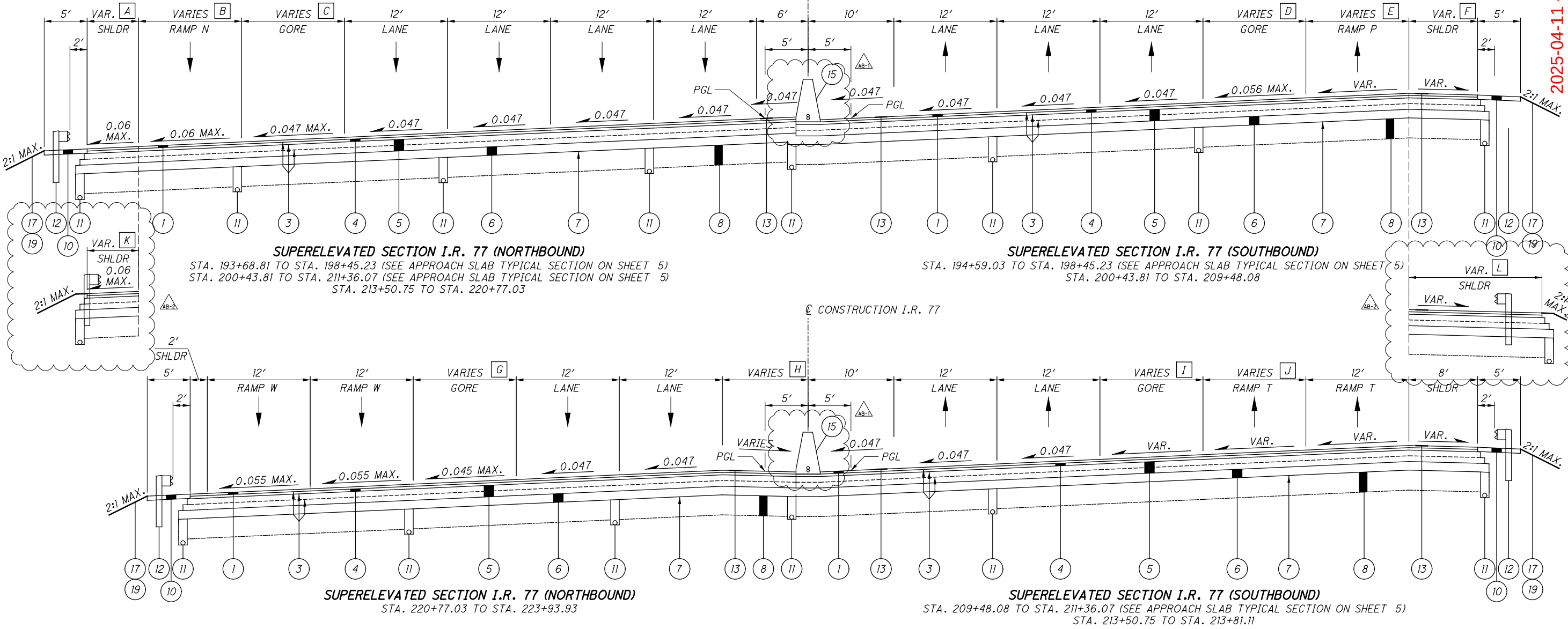
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

- [A] VARIES FROM 6.0' AT STA. 193+73.20 TO 2.0' AT STA. 197+24.59
2.0' FROM STA. 197+24.59 TO STA. 220+77.03
- [B] 16.0' FROM STA. 193+68.81 TO STA. 195+59.30
VARIES FROM 16.0' AT STA. 195+59.30 TO 10.0' AT STA. 197+24.59
10.0' FROM STA. 197+24.59 TO STA. 201+39.91
VARIES FROM 10.0' AT STA. 201+39.91 TO 0.0' AT STA. 202+39.88
0.0' FROM STA. 202+39.88 TO STA. 220+77.03
- [C] VARIES FROM 23.0' AT STA. 193+68.81 TO 0.0' AT STA. 195+59.30
0.0' FROM STA. 195+59.30 TO STA. 220+77.03
- [D] VARIES FROM 23.0' AT STA. 194+59.03 TO 0.0' AT STA. 199+37.36
0.0' FROM STA. 199+37.36 TO STA. 209+48.08
- [E] 16.0' FROM STA. 194+59.03 TO STA. 199+37.36
VARIES FROM 16.0' AT STA. 199+37.36 TO 0.0' AT STA. 206+01.59
0.0' FROM STA. 206+01.59 TO STA. 209+48.08
- [F] VARIES FROM 9.3' AT STA. 194+59.03 TO 8.0' AT STA. 196+01.59
8.0' FROM STA. 196+01.59 TO STA. 209+48.08
- [G] VARIES FROM 0.0' AT STA. 220+77.03 TO 23.0' AT STA. 223+93.93
- [H] VARIES FROM 6.0' AT STA. 220+77.03 (AT -0.047) TO
10.0' AT STA. 223+93.93 (AT +0.023)
- [I] 0.0' FROM STA. 209+48.08 TO STA. 212+10.27
VARIES FROM 0.0' AT STA. 212+10.27 TO 23.0' AT STA. 213+81.11

- [J] VARIES FROM 0.0' AT STA. 209+48.08 TO 12.0' AT STA. 212+10.27
12.0' FROM STA. 212+10.27 TO STA. 213+81.11
- [K] VARIES FROM 2.0' AT STA. 202+06 TO 5.5' AT STA. 202+40
5.5' FROM STA. 202+40 TO STA. 207+89
VARIES FROM 5.5' AT STA. 207+89 TO 3.9' AT STA. 211+55



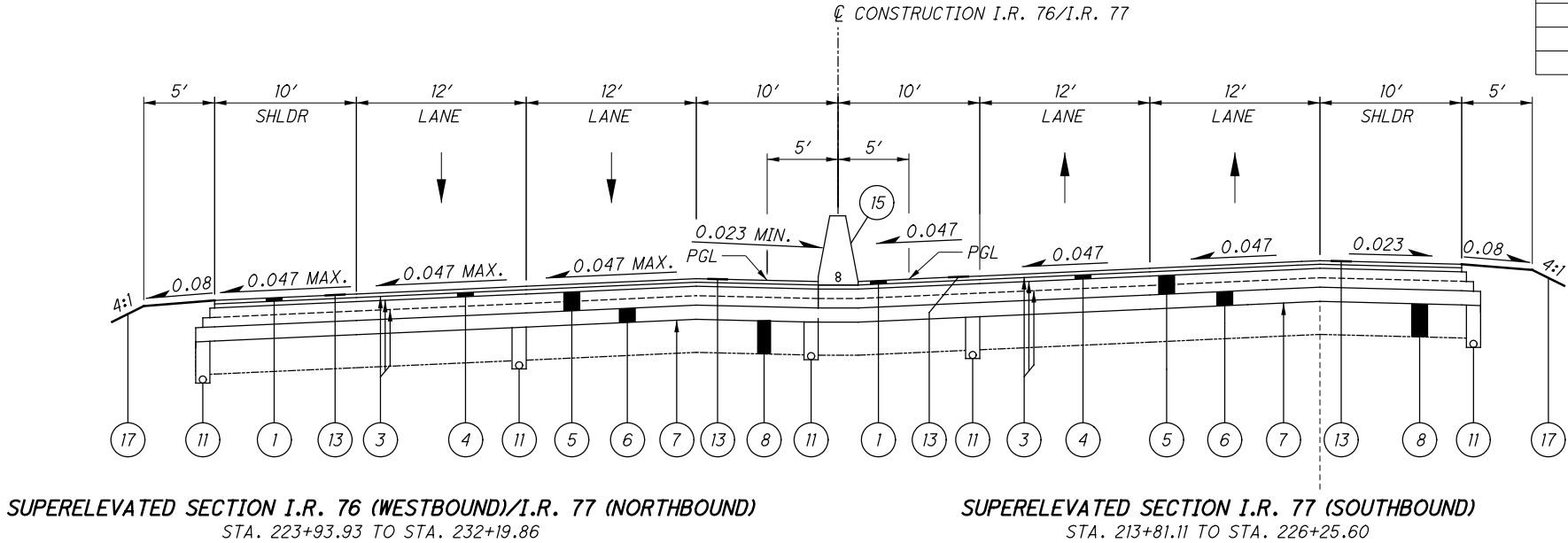
ISSUE RECORD		
NO.	DATE	DESCRIPTION
AB-1	3-26-25	MEDIAN BARRIER CONDUIT REVISION
AB-2	3-26-25	FULL DEPTH PAVEMENT WIDENING



2025-04-11 - BU-31 - RECORD DRAWING PLANS

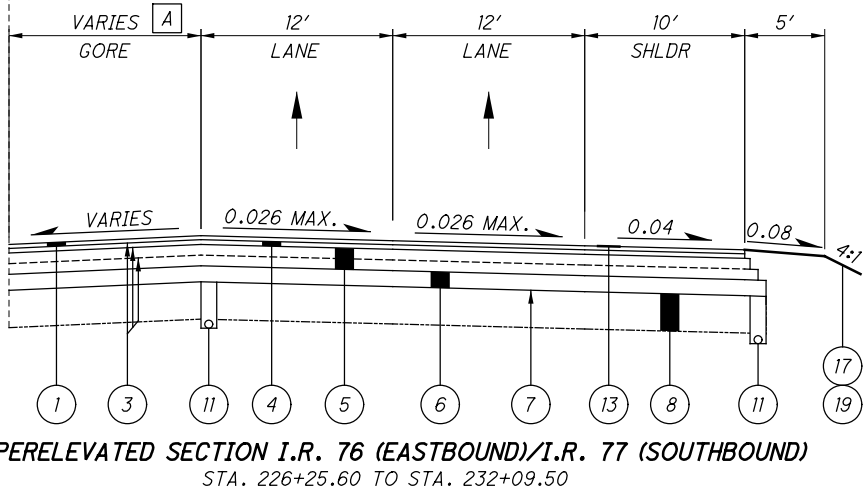
TYPICAL SECTIONS - I.R. 77

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

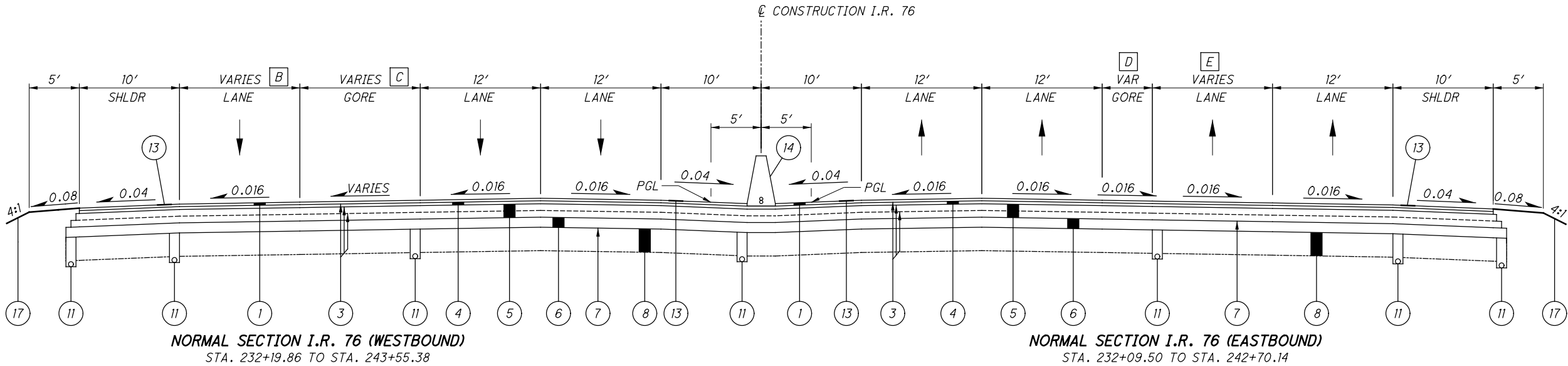


SUPERELEVATED SECTION I.R. 77 (SOUTHBOUND)
STA. 213+81.11 TO STA. 226+25.60

- A VARIES FROM 23.0' AT STA. 226+25.60 TO 6.30' AT STA. 232+09.50
- B 0.0' FROM STA. 232+19.86 TO STA. 234+78.88
16.0' FROM STA. 234+78.88 TO STA. 236+64.56
VARIES FROM 16.0' AT STA. 236+64.56 TO 12.0' AT STA. 238+74.80
12.0' FROM STA. 238+74.80 TO STA. 243+55.38
- C 0.0' FROM STA. 232+19.86 TO STA. 234+78.88
VARIES FROM 23.0' AT STA. 234+78.88 TO 0.0' AT STA. 236+64.56
0.0' FROM STA. 236+64.56 TO STA. 243+55.38
- D VARIES FROM 6.30' AT STA. 232+09.50 TO 0.0' AT STA. 235+50.36
0.0' FROM STA. 235+50.36 TO STA. 242+70.14
- E 12.0' FROM STA. 232+09.50 TO STA. 235+50.36
VARIES FROM 12.0' AT STA. 235+50.36 TO 0.0' AT STA. 242+00.00
0.0' FROM STA. 242+00.00 TO STA. 242+70.14

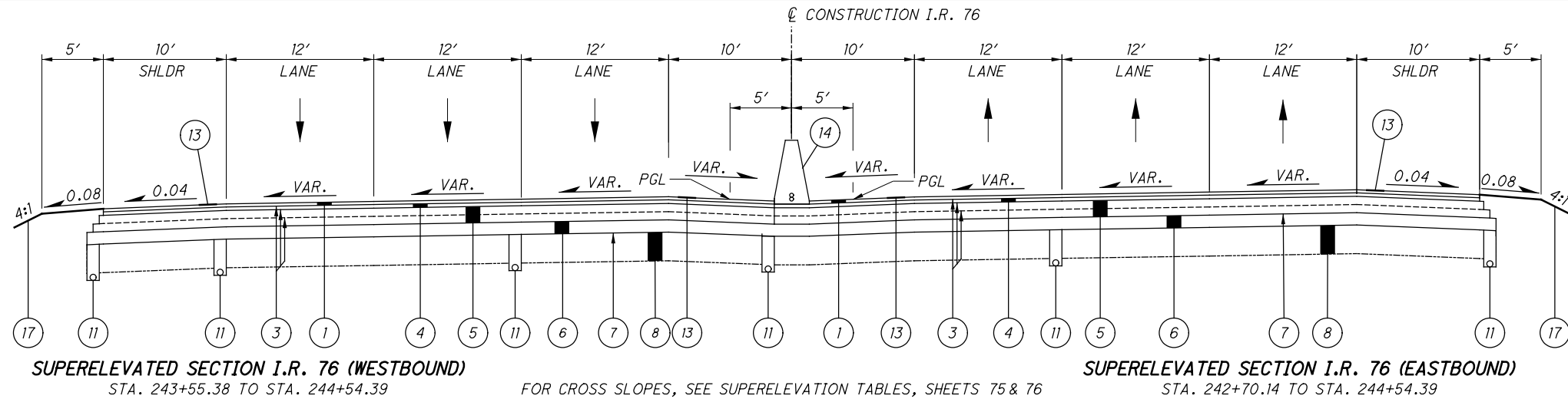


SUPERELEVATED SECTION I.R. 76 (EASTBOUND)/I.R. 77 (SOUTHBOUND)
STA. 226+25.60 TO STA. 232+09.50

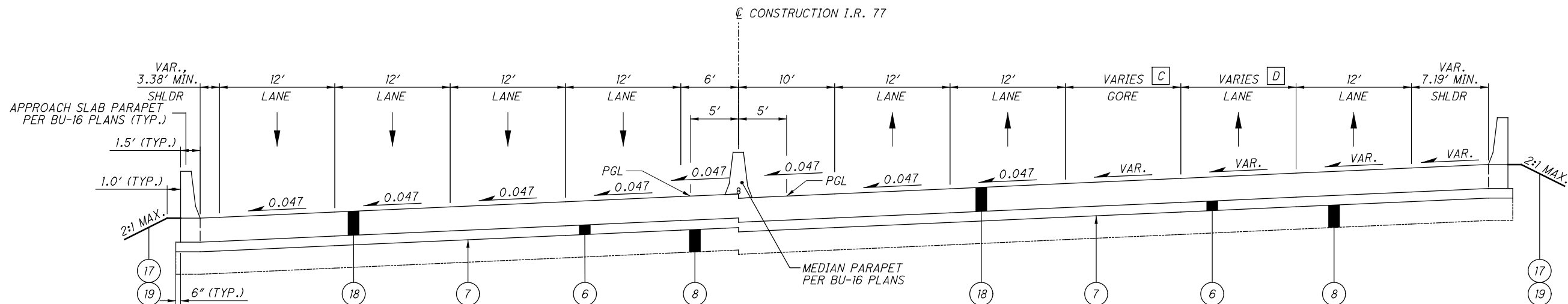
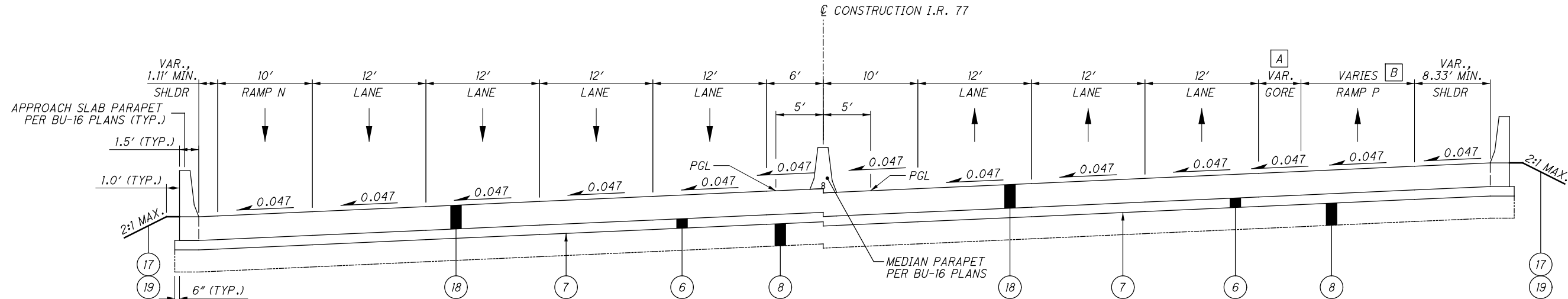


NORMAL SECTION I.R. 76 (WESTBOUND)
STA. 232+19.86 TO STA. 243+55.38

NORMAL SECTION I.R. 76 (EASTBOUND)
STA. 232+09.50 TO STA. 242+70.14

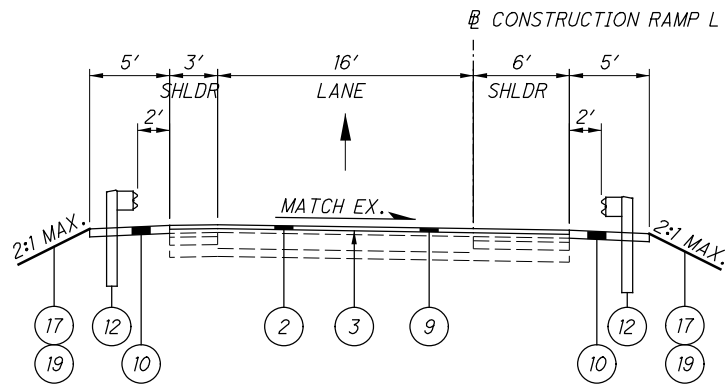


ISSUE RECORD:		
NO.	DATE	DESCRIPTION

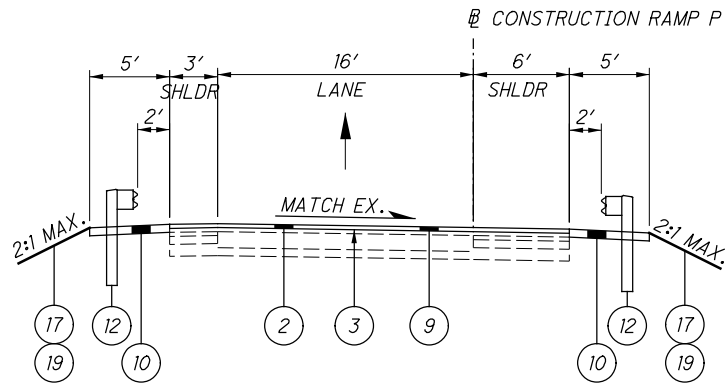


- A** VARIES FROM 2.35' AT STA. 198+45.23 TO 1.77' AT STA. 198+70.23
0.0' FROM STA. 200+18.81 TO STA. 200+43.81
- B** 16.0' FROM STA. 198+45.23 TO STA. 198+70.23
VARIES FROM 14.22' AT STA. 200+18.81 TO 13.70' AT STA. 200+43.81
- C** 0.0' FROM STA. 211+36.07 TO STA. 211+61.91
VARIES FROM 18.58' AT STA. 213+24.54 TO 20.55' AT STA. 213+50.75

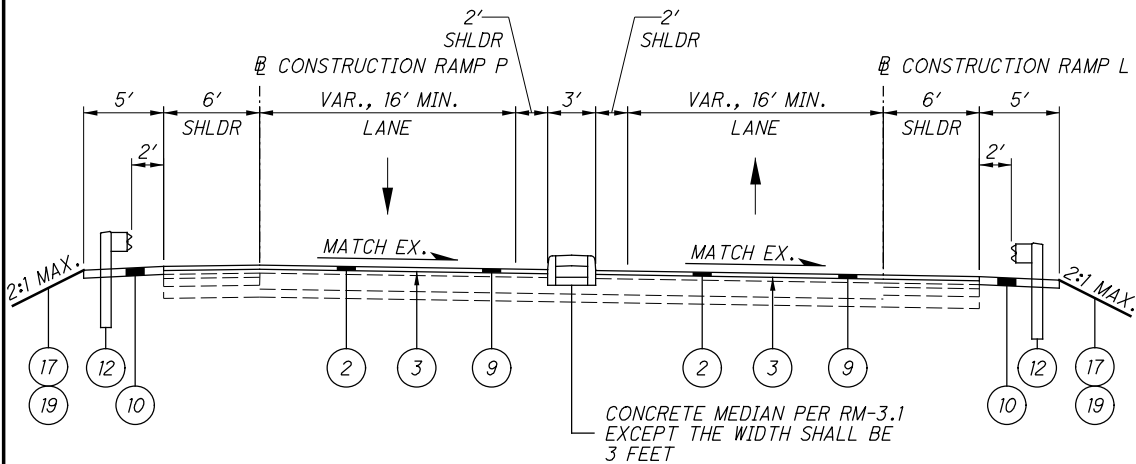
- D** VARIES FROM 8.45' AT STA. 211+36.07 TO 9.91' AT STA. 212+61.91
12.0' FROM STA. 213+24.54 TO STA. 213+50.75



PROPOSED RAMP L RESURFACING SECTION

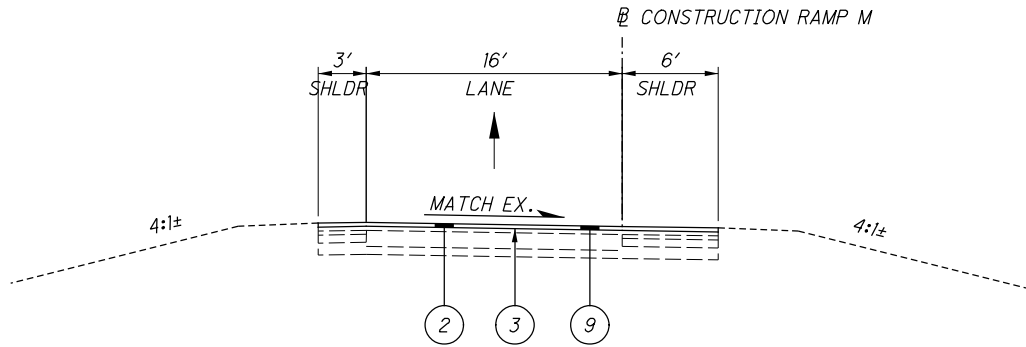


PROPOSED RAMP P RESURFACING SECTION

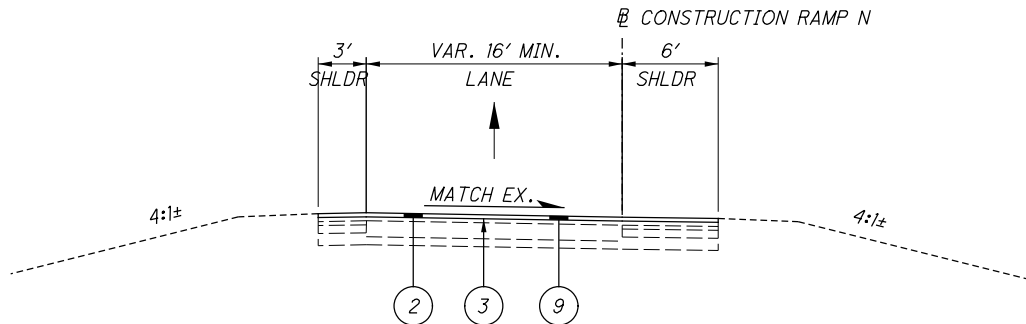


PROPOSED RAMPS L & P RESURFACING SECTION

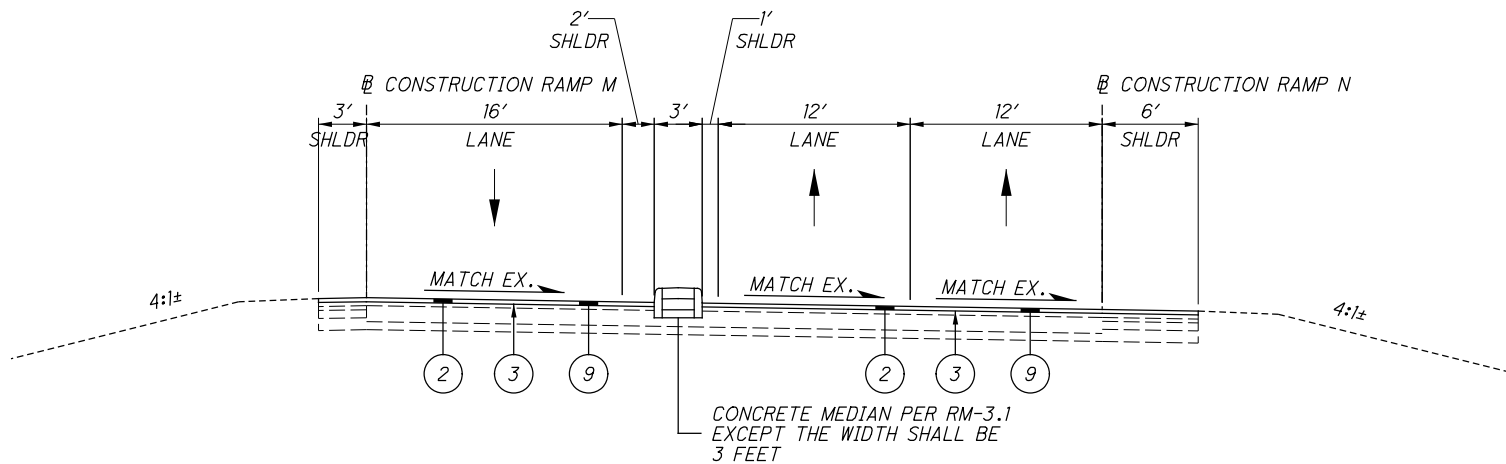
ISSUE RECORD:		
NO.	DATE	DESCRIPTION



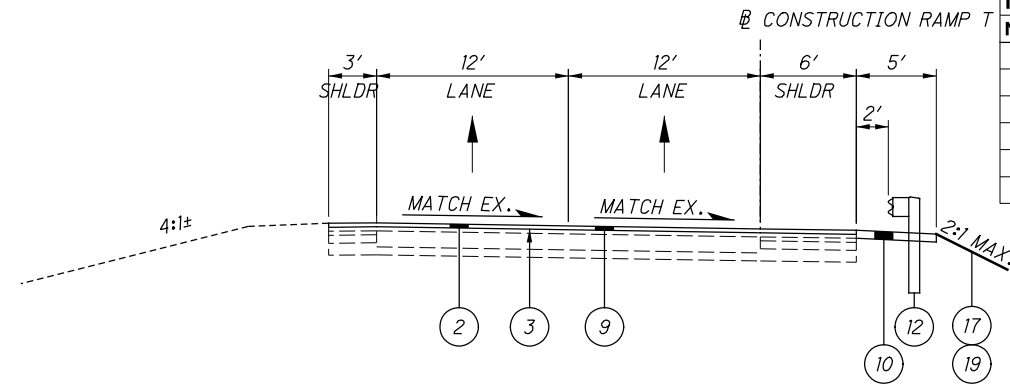
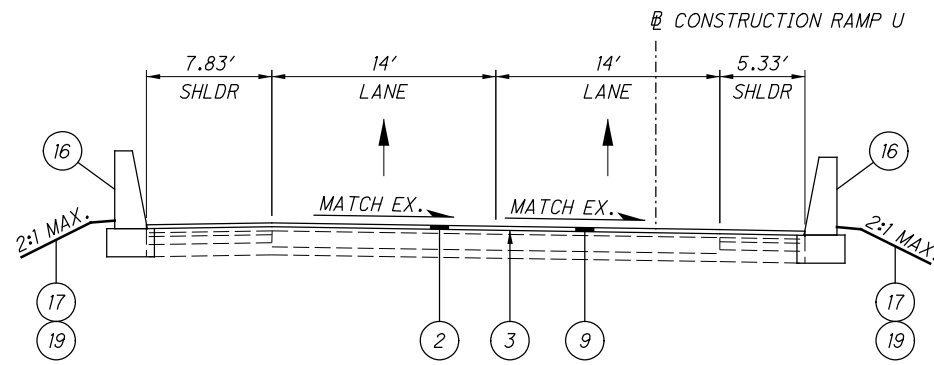
PROPOSED RAMP M RESURFACING SECTION



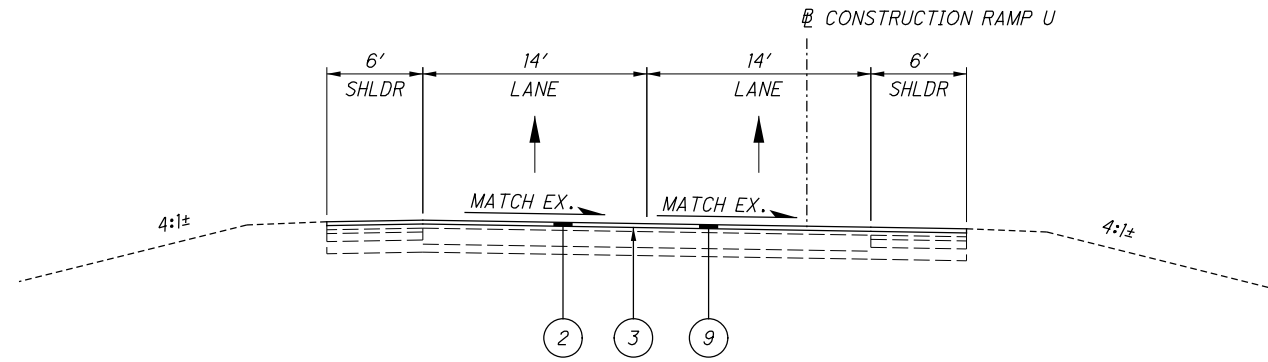
PROPOSED RAMP N RESURFACING SECTION



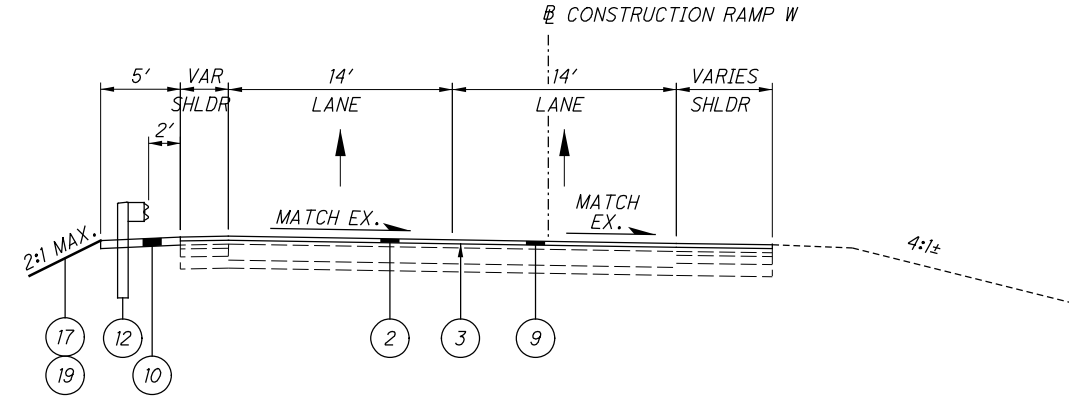
PROPOSED RAMP N & M RESURFACING SECTION



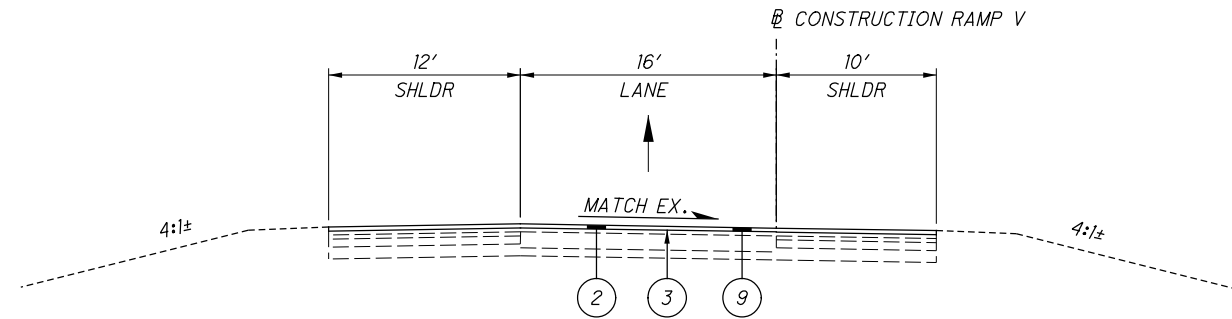
PROPOSED RAMP T RESURFACING SECTION



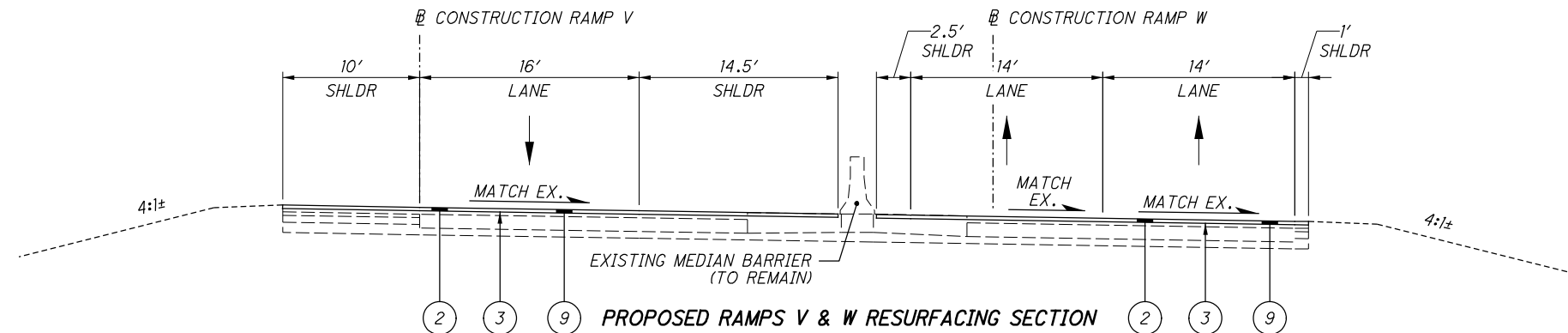
PROPOSED RAMP U RESURFACING SECTION



PROPOSED RAMP W RESURFACING SECTION



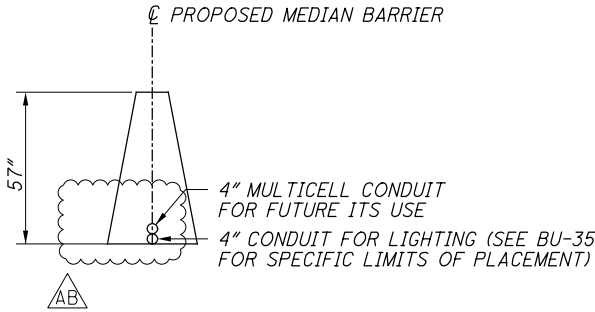
PROPOSED RAMP V RESURFACING SECTION



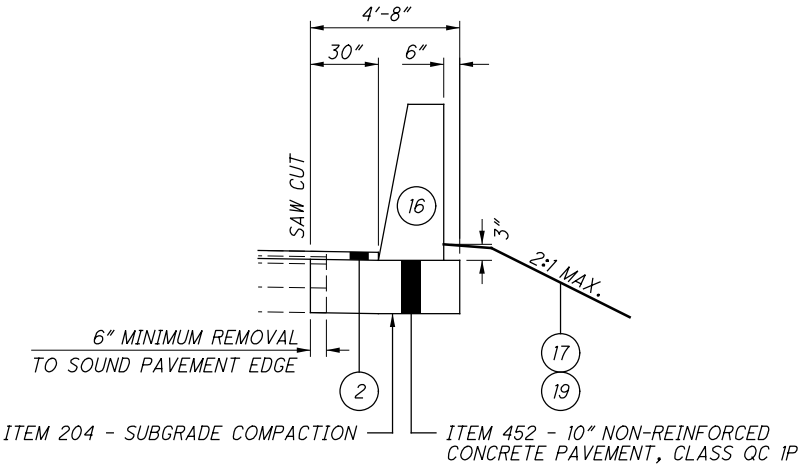
PROPOSED RAMPS V & W RESURFACING SECTION

[illegible]

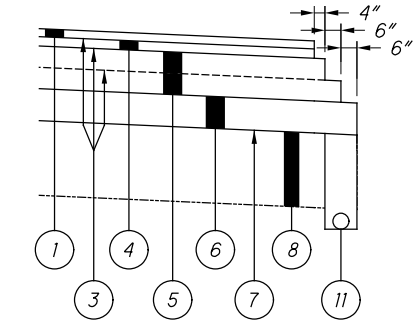
MEDIAN RACEWAY PLACEMENT



ITEM 622 - CONCRETE BARRIER,
SINGLE SLOPE, TYPE D, AS PER PLAN



PAVEMENT STEP DETAIL



SURFACE COURSE SHALL BE PLACED AFTER ALL PHASES REQUIRING TRAFFIC SHIFTS ARE COMPLETE AND TRAFFIC HAS RETURNED TO NORMAL LANES.

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	3/26/25	MEDIAN BARRIER CONDUIT REVISION

UTILITIES

THE UNDERGROUND UTILITIES ON THIS PLAN HAVE BEEN LOCATED BY USING A SUBSURFACE UTILITY ENGINEERING COMPANY [SUE]. IF THERE ARE ANY DISCREPANCIES BETWEEN FIELD MARKINGS AND WHAT THE PLAN INDICATES, PLEASE CONTACT MATTHEW STEELE (PHONE: 330-786-4832), DISTRICT UTILITY COORDINATOR, PRIOR TO ANY SUBSURFACE WORK BEING INITIATED. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

LISTED BELOW ARE THE UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS

CARGILL SALT
ATTN: KERRY MORGAN
CELL (330) 780-6610
2065 MANCHESTER RD.
AKRON, OH 43082

GAS
DOMINION ENERGY
ATTN: KEVIN BIRT
OFFICE (330) 664-2409
EMAIL:
relocation@dominionenergy.com
320 SPRINGSDALE DR., SUITE
230
AKRON, OH 44333

CITY OF AKRON BUREAU OF
WATER RECLAMATION
ATTN: BRIAN GRESSER
OFFICE (330) 375-2963x7130
2460 AKRON-PENINSULA RD.
AKRON, OH 44313

ELECTRIC
FIRST ENERGY
ATTN: MICHAEL JANSON
OFFICE (330) 830-7092
EMAIL:
jansonm@firstenergycorp.com
1910 WEST MARKET ST.,
BUILDING #1
AKRON, OH 44313

CITY OF AKRON - AKRON
SEWER
ATTN: SCOTT DAVENPORT
OFFICE (330) 375-2769
EMAIL:
sdavenport@akronohio.gov
2460 AKRON PENINSULA RD.
AKRON, OH 44313

AT&T OHIO
ATTN: LUCIE HINSHAW
OFFICE (330) 384-3048
50 W. BOWERY STREET, 6TH
FLOOR
AKRON, OH 44308

CROWN CASTLE
ATTN: ED DALY
OFFICE (585) 397-5988
EMAIL:
ed.daly@crowncastly.com
15565 NEO PARKWAY
GARFIELD HEIGHTS, OH 44128

G&O RESOURCES, LTD
OFFICE (330) 253-2525
96 EAST CROSIER ST.
AKRON, OH 44311

EVERFLOW EASTERN PARTNERS
OFFICE (330) 537-3863
585 W MAIN ST.
CANFIELD, OH 44406

CITY OF AKRON BUREAU OF
WATER SUPPLY (INSPECTION)
ATTN: TONY PUGLIA
OFFICE (330) 375-2549
1460 TRIPLETT BLVD.
AKRON, OH 44306

CITY OF AKRON
UTILITY COORDINATOR
ATTN: JOSEPH KUNZLER
OFFICE (330)-375-2217
CELL (330)-690-0133
166 S. HIGH ST. AKRON, OH
44308

CITY OF AKRON
COMMUNICATIONS
ATTN: MALCOLM VALENTINE
OFFICE (330) 375-2670
FAX (330) 375-2996
JOHN HEFFERNAN
OFFICE (330) 375-2685

CITY OF AKRON - TRAFFIC
ENGINEERING
OFFICE (330) 375-2851
EMAIL:
traffic@akronohio.gov
1420 TRIPLETT BLVD., BLDG
#2
AKRON, OH 44306

SUMMIT COUNTY ENGINEER'S
OFFICE
ATTN: STEVE BURGESS
OFFICE (330) 808-5575
538 E. SOUTH ST.
AKRON, OH 44311

CITY OF AKRON - AKRON
WATER
ATTN: JOE OKOLISH
OFFICE (330) 375-2690
EMAIL:
jokolish@akronohio.gov
146 SOUTH HIGH STREET,
ROOM 211
AKRON, OH 44308

CHARTER COMMUNICATIONS
ATTN: JIM LONG
OFFICE (330) 622-4106
EMAIL:
james.long@charter.com
1200 BROWNSTONE AVE.
AKRON, OH 44310

VERIZON
ATTN: AL GUEST
OFFICE (330) 253-8267
EMAIL:
allan.guest@verizon.com
120 RAVINE ST.
AKRON, OH 44303

STRAWN OILFIELD SERVICE
ATTN: GEORGE STRAWN
CELL (330) 727-1614
29093 STATE ROUTE 62
SALEM, OH 44460

UTILITIES (CONT'D)

OHIO DEPARTMENT OF
TRANSPORTATION
ITS OFFICE
EMAIL:
CEN.ITS.Lab@dot.ohio.gov
1606 WEST BROAD ST.
COLUMBUS, OH 43223
Note: Not a Member of
OUPS

OHIO DEPARTMENT OF
TRANSPORTATION
OFFICE OF TECHNICAL
SERVICES
TRAFFIC MONITORING SECTION
ATTN: SANDRA MAPEL
OFFICE (614) 644-0291
1980 WEST BROAD ST.
COLUMBUS, OH 43223
Note: Not a Member of
OUPS

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ROADWAY NOTES

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSSECTIONS, EVEN THOUGH OTHERWISE SHOWN.

EXISTING UTILITIES AND SUBGRADE TREATMENT

THE CONTRACTOR SHALL VERIFY THE DEPTH OF ALL EXISTING UNDERGROUND UTILITIES AND SEWERS WITHIN THE PROPOSED PAVEMENT LIMITS TO ENSURE NO UTILITIES OR SEWERS ARE IMPACTED OR DAMAGED DURING CEMENT STABILIZATION AND/OR UNDERCUT ACTIVITIES. THE CONTACTOR SHALL LOCATE AND TAKE CARE TO FLAG ALL EXISTING UTILITIES WITHIN THE PROPOSED PAVEMENT LIMITS PRIOR TO PERFORMING CEMENT STABILIZATION OR UNDERCUT, AS DESIGNATED IN THE PLANS. SHOULD THE CONTRACTOR ENCOUNTER A POTENTIAL UTILITY CONFLICT, THE CONTRACTOR SHALL NOTIFY PROJECT ENGINEER AND STOP CEMENT STABILIZATION/UNDERCUT ACTIVITIES AT THE CONFLICT LOCATION IMMEDIATELY.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

ITEM 606 - ANCHOR ASSEMBLY. MGS TYPE B

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND, THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

OHIO DEPARTMENT OF
TRANSPORTATION
DISTRICT 4
ATTN: MICHELLE CHANEY, PE
EMAIL:
Michelle.Chaney@dot.ohio.gov
2088 SOUTH ARLINGTON ST.
AKRON, OH 44306

ITEM 606 - ANCHOR ASSEMBLY. MGS TYPE B (CONT'D)

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

THE FACE OF THE TYPE B IMPACT HEAD SHALL BE COVERED WITH TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE B, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING REFLECTIVE SHEETING AND ALL RELATED HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 606 - ANCHOR ASSEMBLY. MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE J, ASTM D4956 TYPE XI REFLECTIVE SHEETING, PER CMS 730.193.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 606 - IMPACT ATTENUATOR. TYPE 1 (UNDIRECTIONAL OR BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY ONE OF THE TYPE 1 IMPACT ATTENUATORS AS LISTED ON THE OFFICE OF ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, IMPACT ATTENUATOR, TYPE 1 (UNDIRECTIONAL OR BIDIRECTIONAL), EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED TRANSITIONS, HARDWARE, REFLECTIVE SHEETING AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

PAVING UNDER GUARDRAIL

THIS OPERATION SHALL INCLUDE PREPARATION OF THE GRADED SHOULDER USING ITEM 209, LINEAR GRADING, AS PER PLAN AND PAVING UNDER THE GUARDRAIL USING 411 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), UNDER GUARDRAIL, AS PER PLAN.

ITEM 209, LINEAR GRADING, AS PER PLAN SHALL CONSIST OF EXCAVATING TOPSOIL, AND PLACING GRANULAR MATERIAL.

ISSUE RECORD:			CALCULATED	SRB	CHECKED	JFM
NO.	DATE	DESCRIPTION				

PAVING UNDER GUARDRAIL (CONT'D)

ALL COLLECTED DEBRIS AND TOPSOIL, INCLUDING RHIZOMES, ROOTS AND OTHER VEGETATIVE PLANT MATERIAL SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED IN 105.17.

THE REMOVED MATERIAL SHALL BE REPLACED WITH COMPACTABLE GRANULAR MATERIAL CONFORMING TO 703.16 PLACED TO GRADE AS DETAILED ON THE TYPICAL SECTION OR AS APPROVED BY THE ENGINEER.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 209, LINEAR GRADING, AS PER PLAN. PAVING UNDER GUARDRAIL SHALL CONSIST OF PLACING ITEM 441 TO THE DEPTH SPECIFIED USING ONE OF THE FOLLOWING METHODS:

METHOD A:
1. SET GUARDRAIL POSTS
2. PLACE ITEM 441

METHOD B:
1. PLACE ITEM 441
2. BORE ASPHALT AT POST LOCATIONS (MAY BE OMITTED IF STEEL POSTS ARE USED)
3. SET GUARDRAIL POSTS
4. PATCH AROUND POSTS. THE MATERIALS USED FOR PATCHING SHALL BE AN ASPHALT CONCRETE APPROVED BY THE ENGINEER. PATCHED AREAS SHALL BE COMPACTED USING EITHER HAND OR MECHANICAL METHODS. FINISHED SURFACES SHALL BE SMOOTH AND SLOPED TO DRAIN AWAY FROM THE POSTS.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE, WITH THE EXCEPTION OF SETTING GUARDRAIL POSTS, SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 441, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1(448), UNDER GUARDRAIL, AS PER PLAN.

ITEM SPECIAL - MISC.: VERTICAL CLEARANCE

BEFORE ANY CONSTRUCTION TAKES PLACE AND AFTER ALL CONSTRUCTION HAS BEEN COMPLETED, A REGISTERED SURVEYOR WILL TAKE VERTICAL CLEARANCE MEASUREMENTS AT LOCATIONS INDICATED ON THE APPROVED ODOT FORM (AVAILABLE IN THE DISTRICT 4 STRUCTURES AND PAVEMENT OFFICE). THE FINAL MEASUREMENTS SHALL BE RECORDED ON THE FORM AND SUBMITTED TO THE PROJECT ENGINEER AND THE DISTRICT 4 STRUCTURES AND PAVEMENT ENGINEER. THE RECORD SHALL BEAR THE SEAL OF THE LICENSED SURVEYOR WHO HAS TAKEN THE MEASUREMENTS. THE WORK SHALL BE PERFORMED AT ALL OF THE OVERHEAD STRUCTURES WITHIN THE PROJECT LIMITS.

EROSION CONTROL NOTES

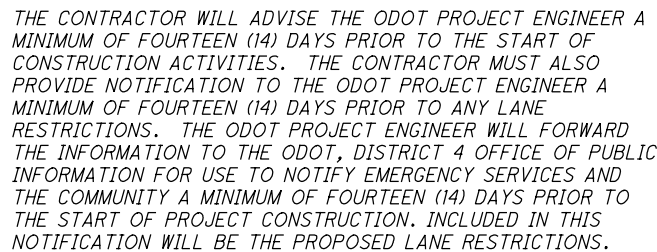
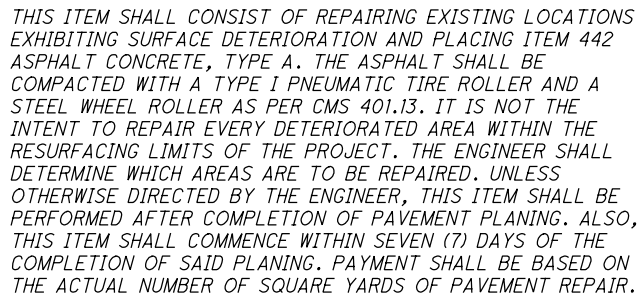
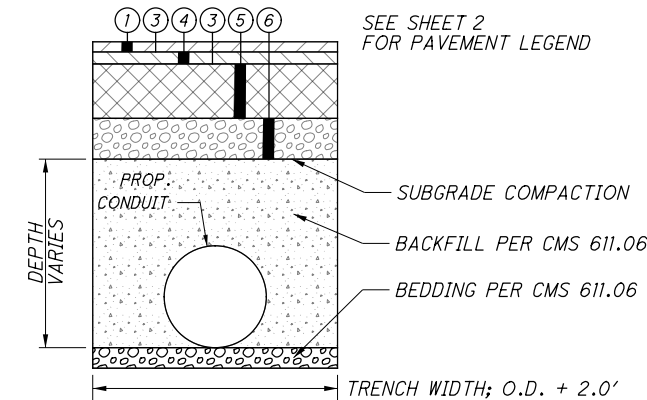
SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

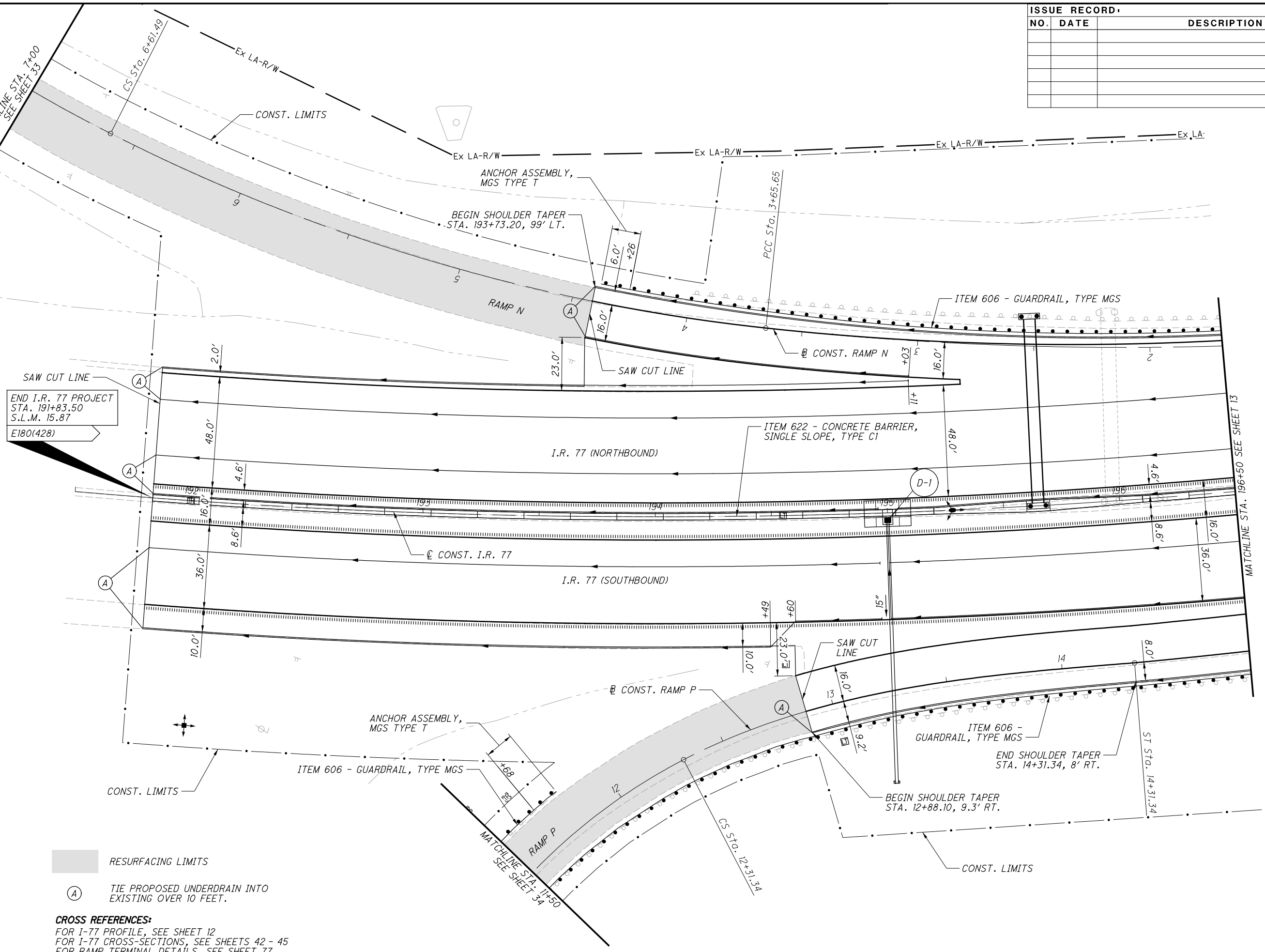
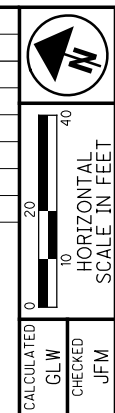
PAVEMENT NOTES

ITEM 304 - AGGREGATE BASE. AS PER PLAN

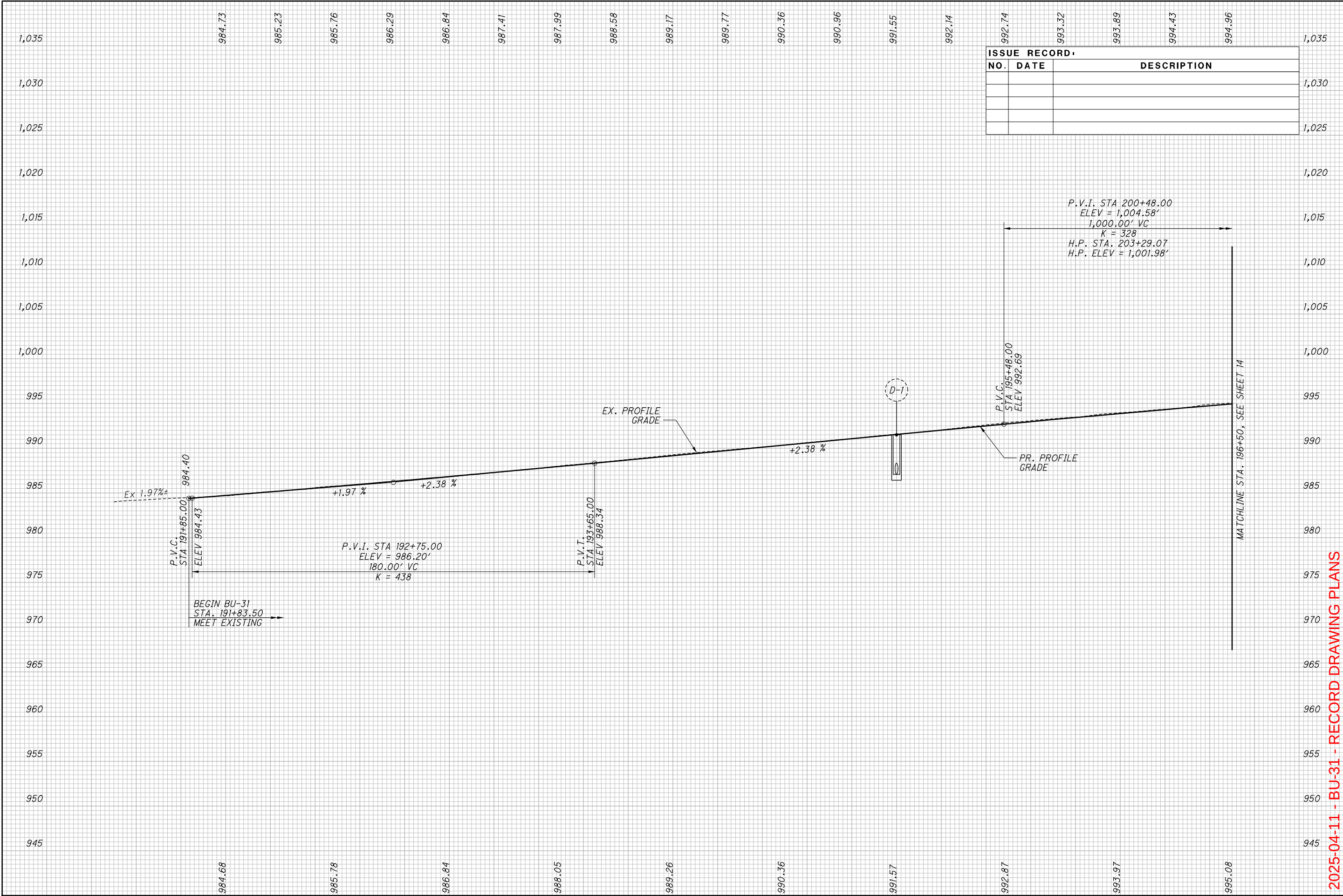
GRANULATED SLAG (GS) SHALL NOT BE PERMITTED FOR THIS ITEM. ALL OTHER REQUIREMENTS OF SECTIONS 304 AND 703.17 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL STILL BE APPLICABLE.



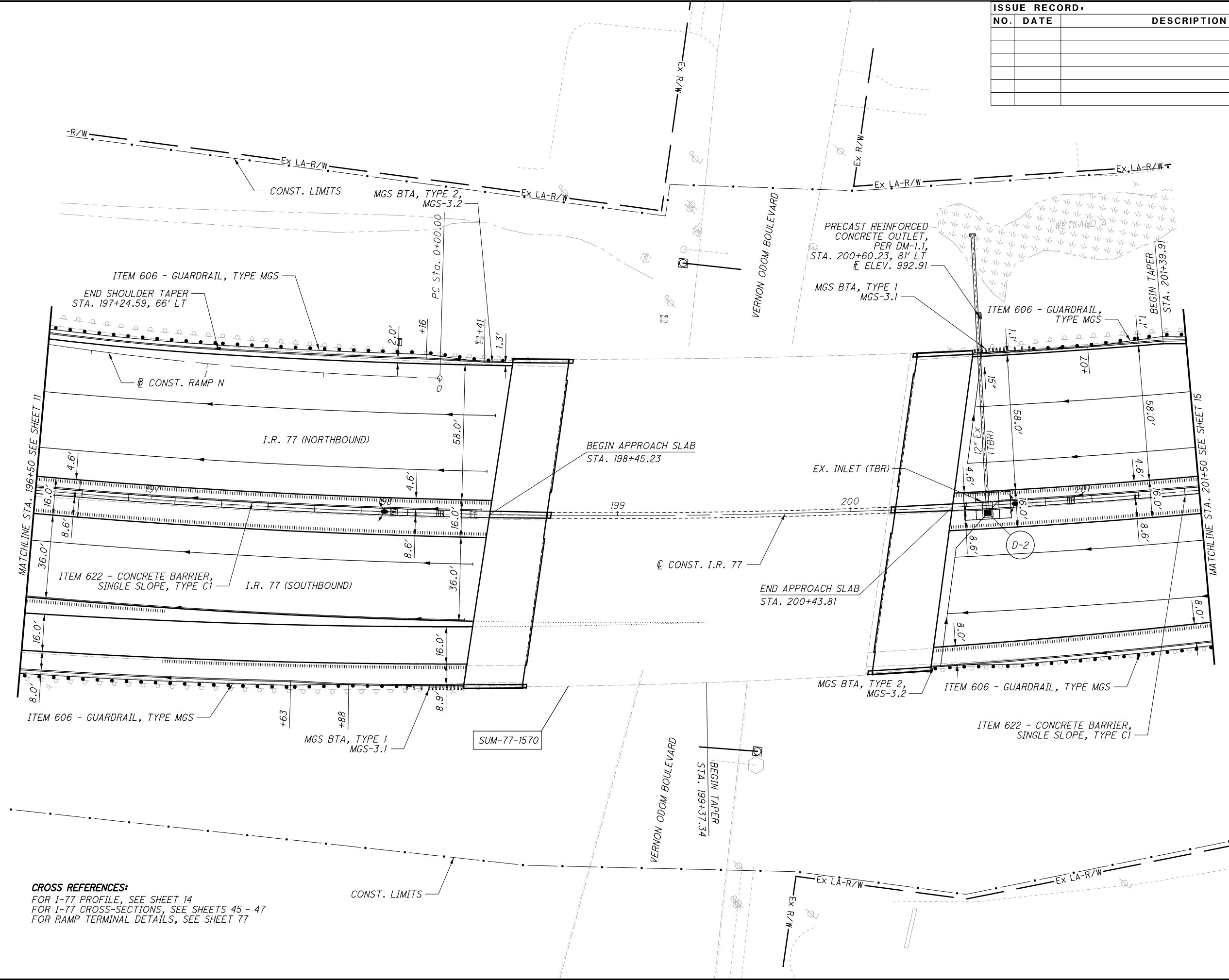
INDIANA BAT/NORTHERN LONG-EARED BAT: THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

[illegible]

CROSS REFERENCES:
FOR I-77 PROFILE, SEE SHEET 12
FOR I-77 CROSS-SECTIONS, SEE SHEETS 42 - 45
FOR RAMP TERMINAL DETAILS, SEE SHEET 77
FOR BARRIER TRANSITION DETAILS, SEE SHEET 83



2025-04-11 - BU-31 - RECORD DRAWING PLANS



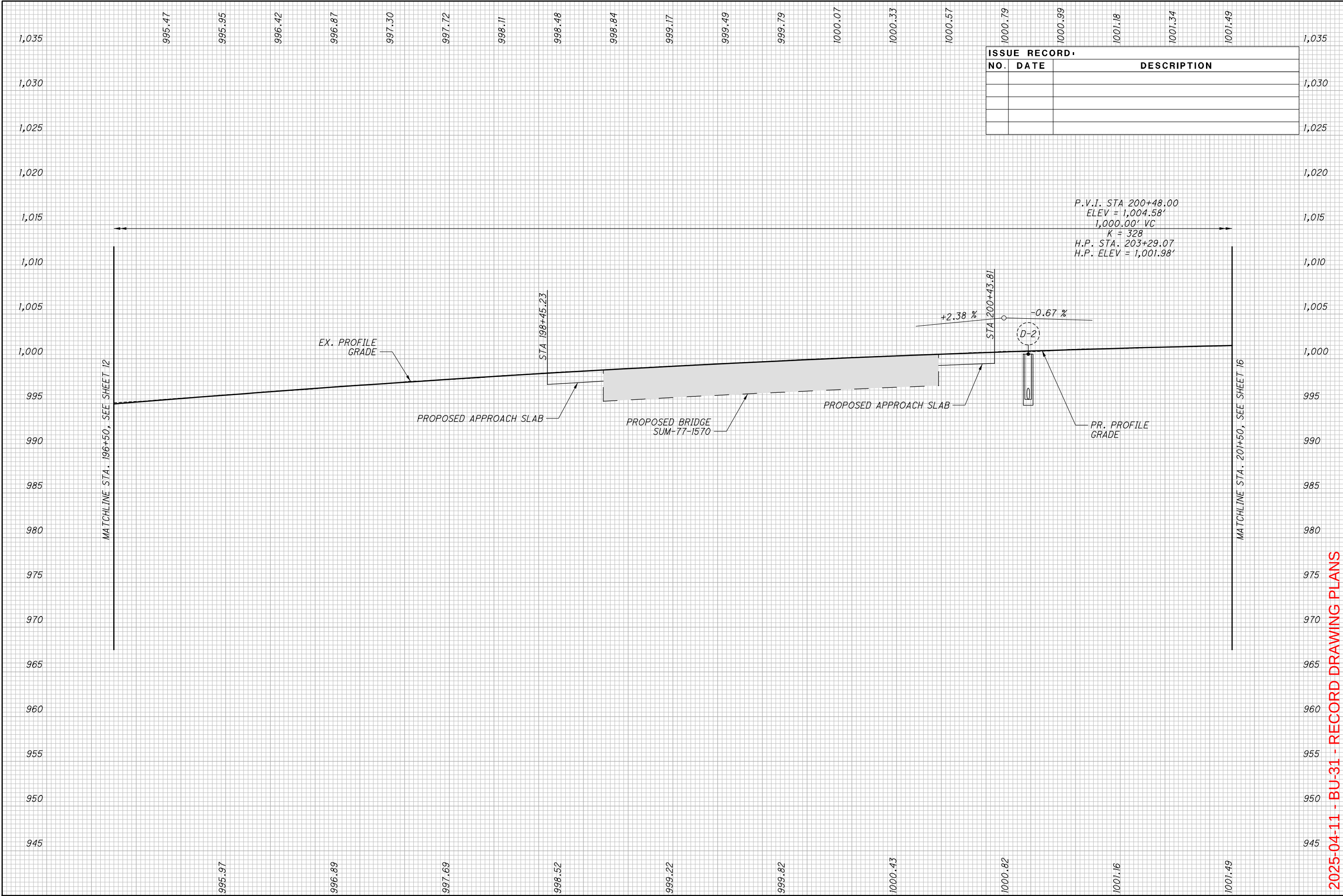
CROSS REFERENCES:
FOR I-77 PROFILE, SEE SHEET 14
FOR I-77 CROSS-SECTIONS, SEE SHEETS 45 - 47
FOR RAMP TERMINAL DETAILS, SEE SHEET 77

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW

CHECKED
JFM

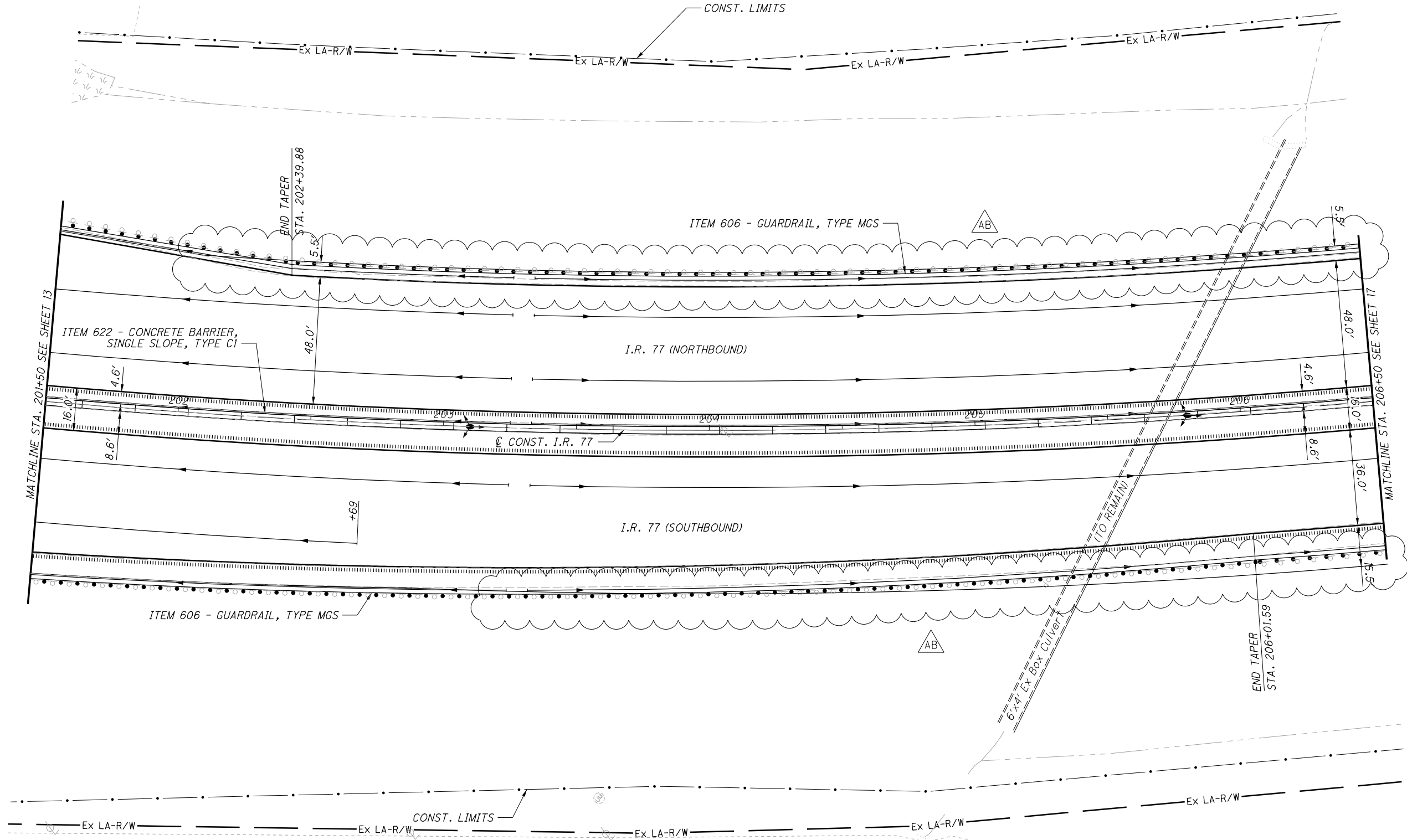
0 20 40
HORIZONTAL
SCALE IN FEET



ISSUE RECORD		
NO.	DATE	DESCRIPTION

2025-04-11 - BU-31 - RECORD DRAWING PLANS

CROSS REFERENCES:
FOR I-77 PROFILE, SEE SHEET 16
FOR I-77 CROSS-SECTIONS, SEE SHEETS 47 - 51

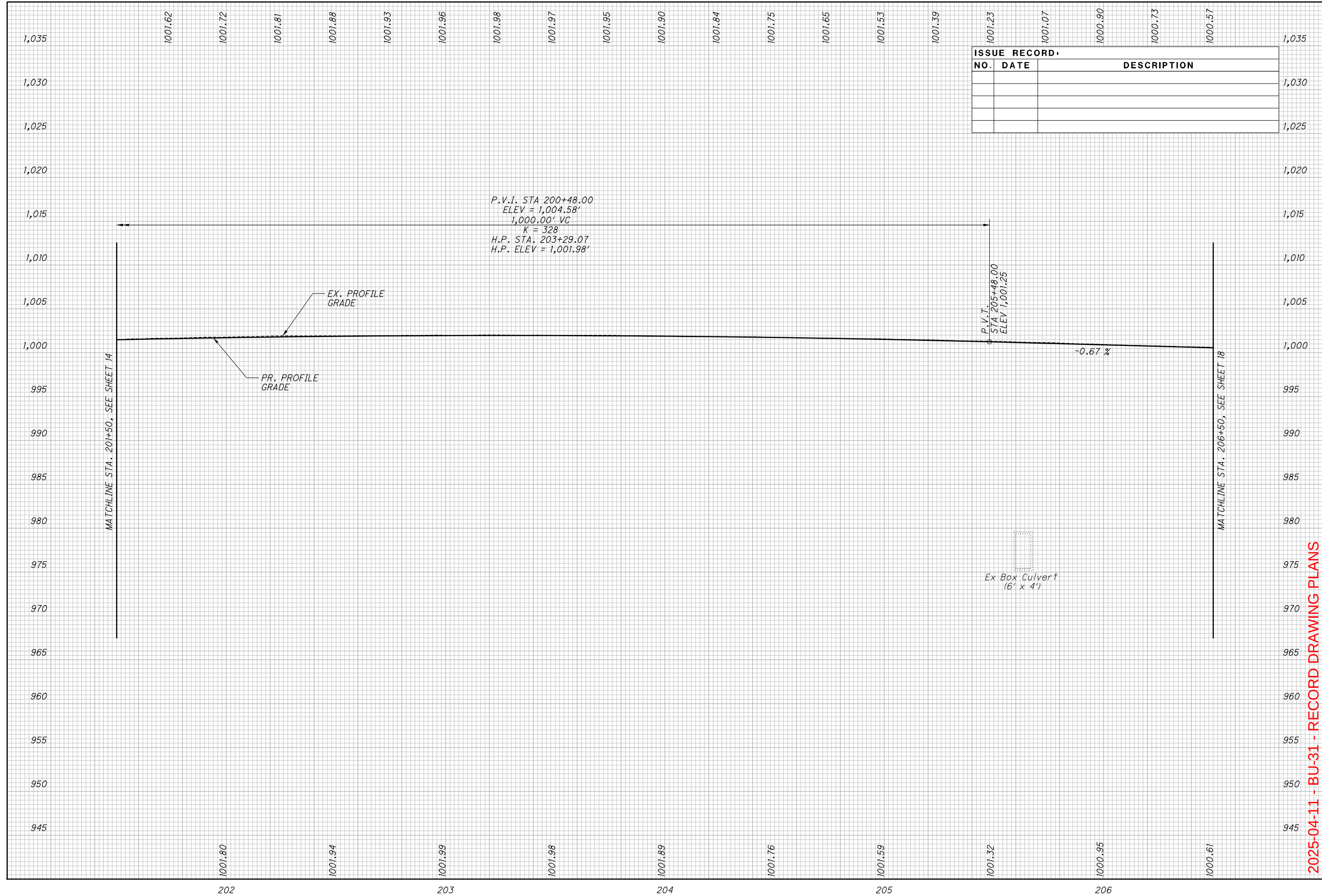


ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	3/28/25	FULL DEPTH PAVEMENT WIDENING

CALCULATED
GLW

CHECKED
JFM

0 20 40
HORIZONTAL
SCALE IN FEET

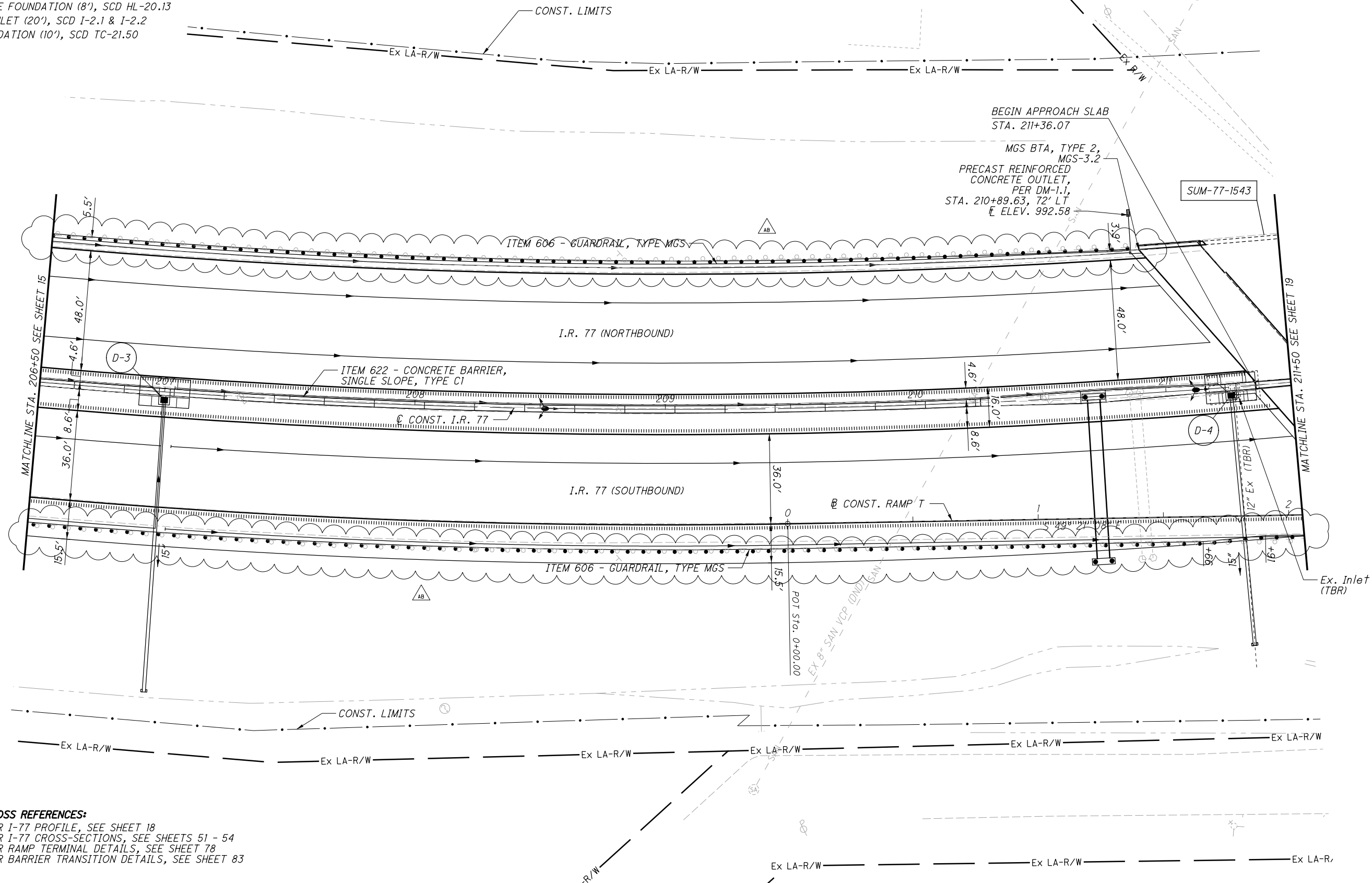


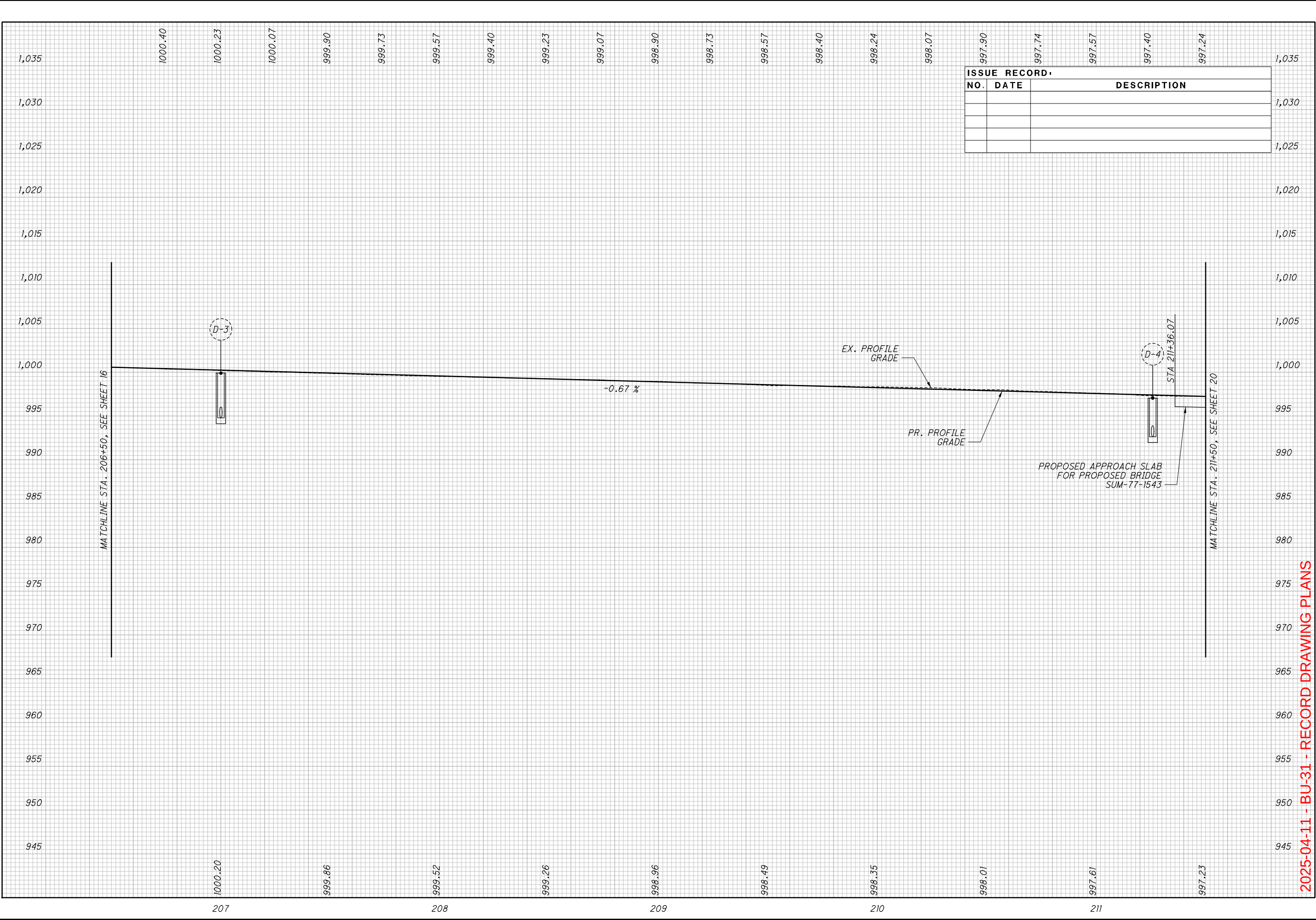
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN 2
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ⊙ TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1 & I-2.2
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50

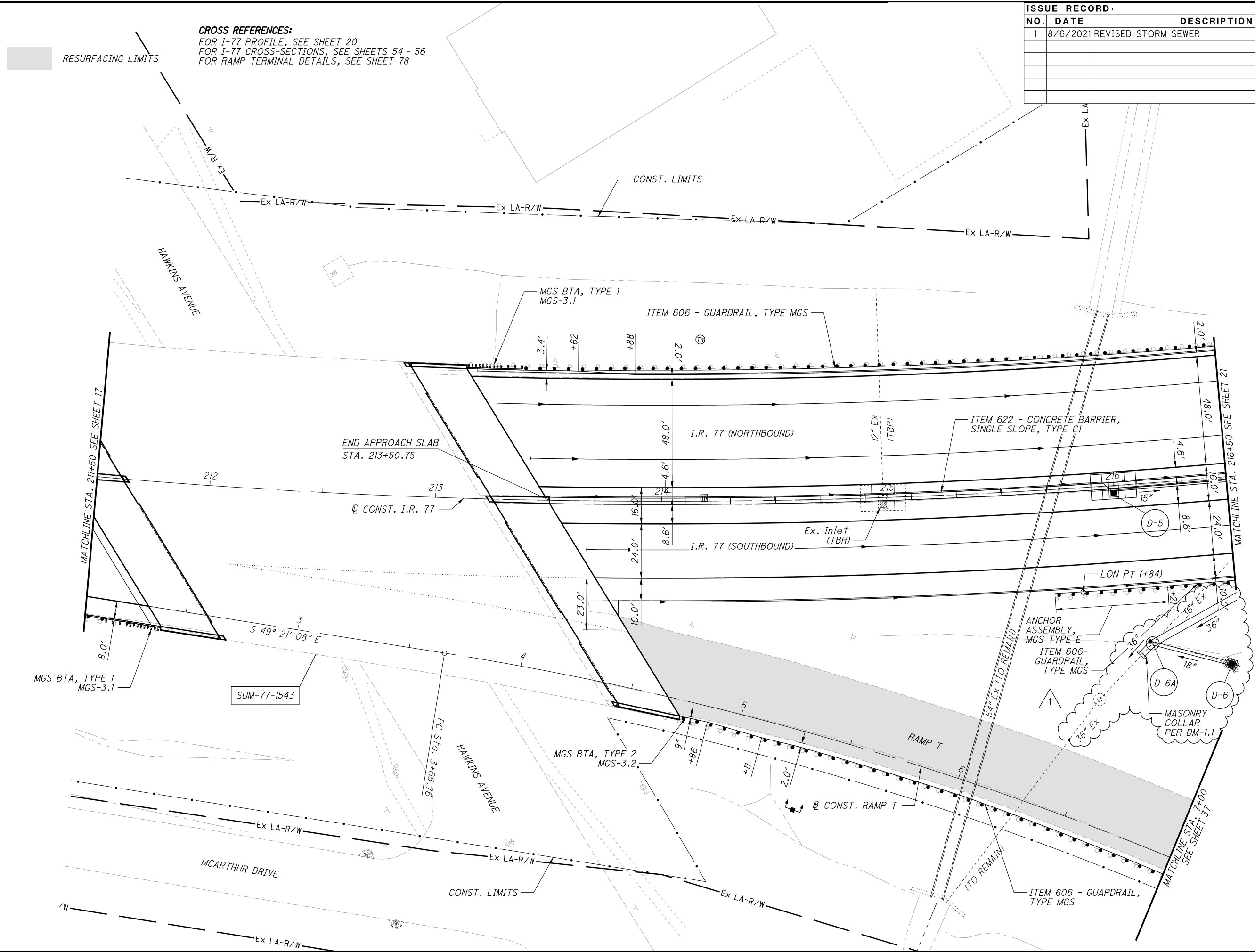
ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	3/28/25	FULL DEPTH PAVEMENT WIDENING





2025-04-11 - BU-31 - RECORD DRAWING PLANS

ISSUE RECORD		
NO.	DATE	DESCRIPTION



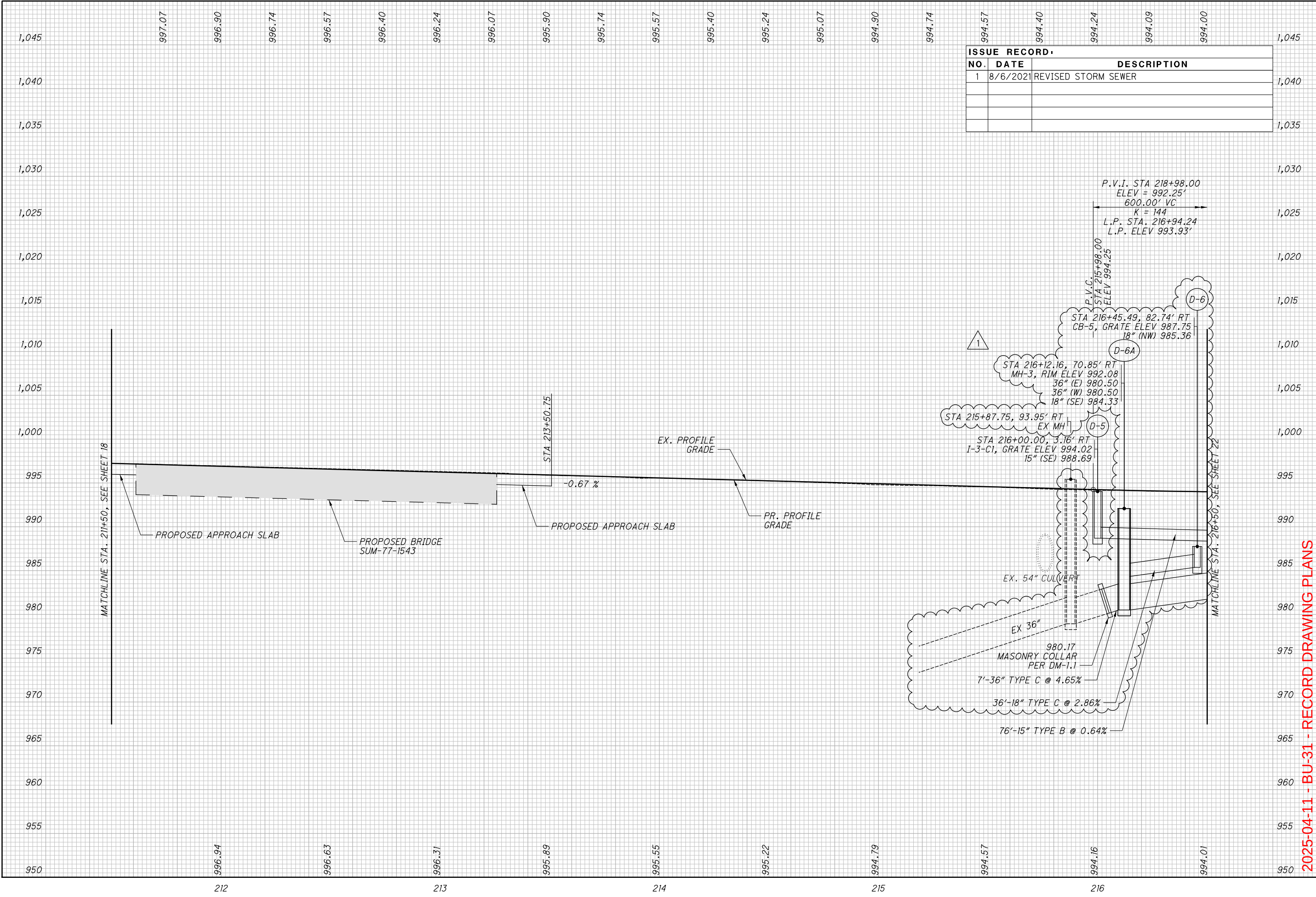
ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	8/6/2021	REVISED STORM SEWER



2025-04-11 - BU-31 - RECORD DRAWING PLANS

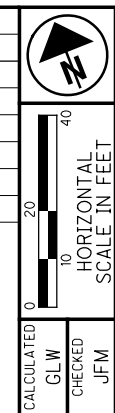
**SUM-76 / 77 / 8 -
8.24 / 9.74 / 0.00**

PLAN - I.R. 77
STA. 211+50 TO STA. 216+50



2025-04-11 - BU-31 - RECORD DRAWING PLANS

ISSUE RECORD.		
NO.	DATE	DESCRIPTION
1	8/6/2021	REVISED STORM SEWER

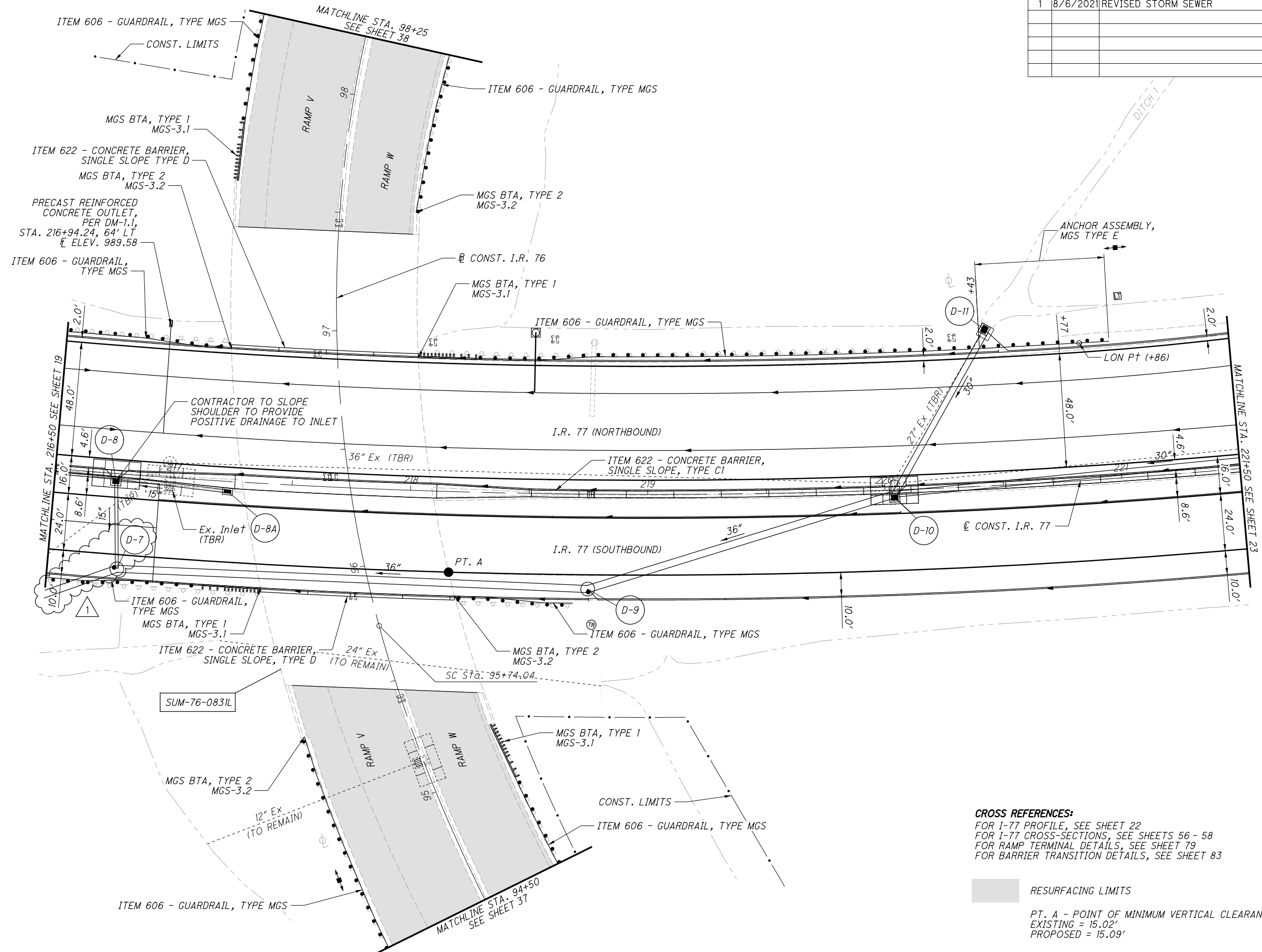


PLAN - I.R. 77
STA. 216+50 TO STA. 221+50

2025-04-11 - BU-31 - RECORD DRAWING PLANS

SUM-76 / 77 / 8 -
8.24 / 9.74 / 0.00

21
83



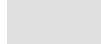
CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 22
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 56 - 58
 FOR RAMP TERMINAL DETAILS, SEE SHEET 79
 FOR BARRIER TRANSITION DETAILS, SEE SHEET 83

RESURFACING LIMITS

PT. A - POINT OF MINIMUM VERTICAL CLEARANCE
EXISTING = 15.02'
PROPOSED = 15.09'



ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	8/6/2021	REVISED STORM SEWER



RESURFACING LIMITS

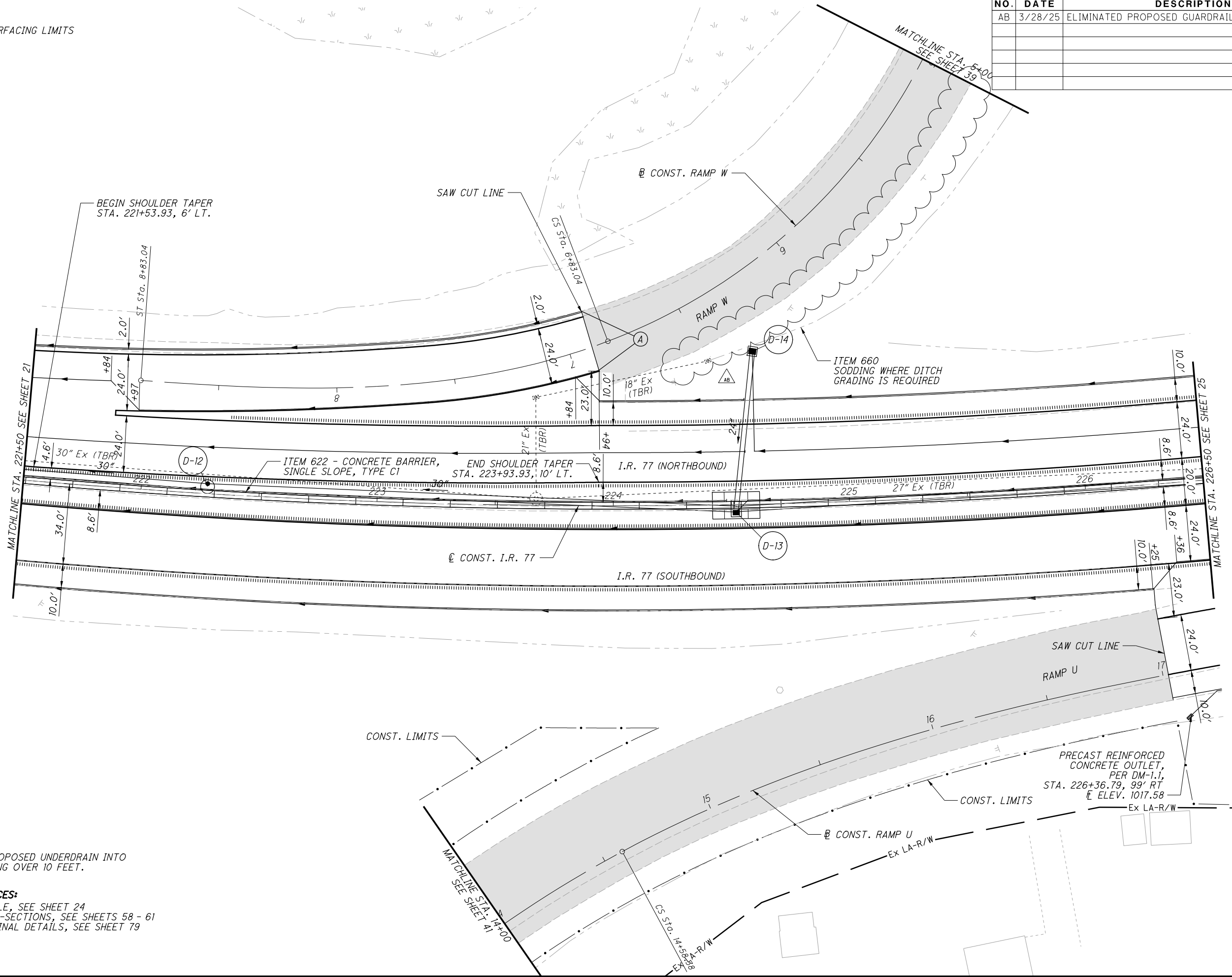
ISSUE RECORD		
NO.	DATE	DESCRIPTION
AB	3/28/25	ELIMINATED PROPOSED GUARDRAIL

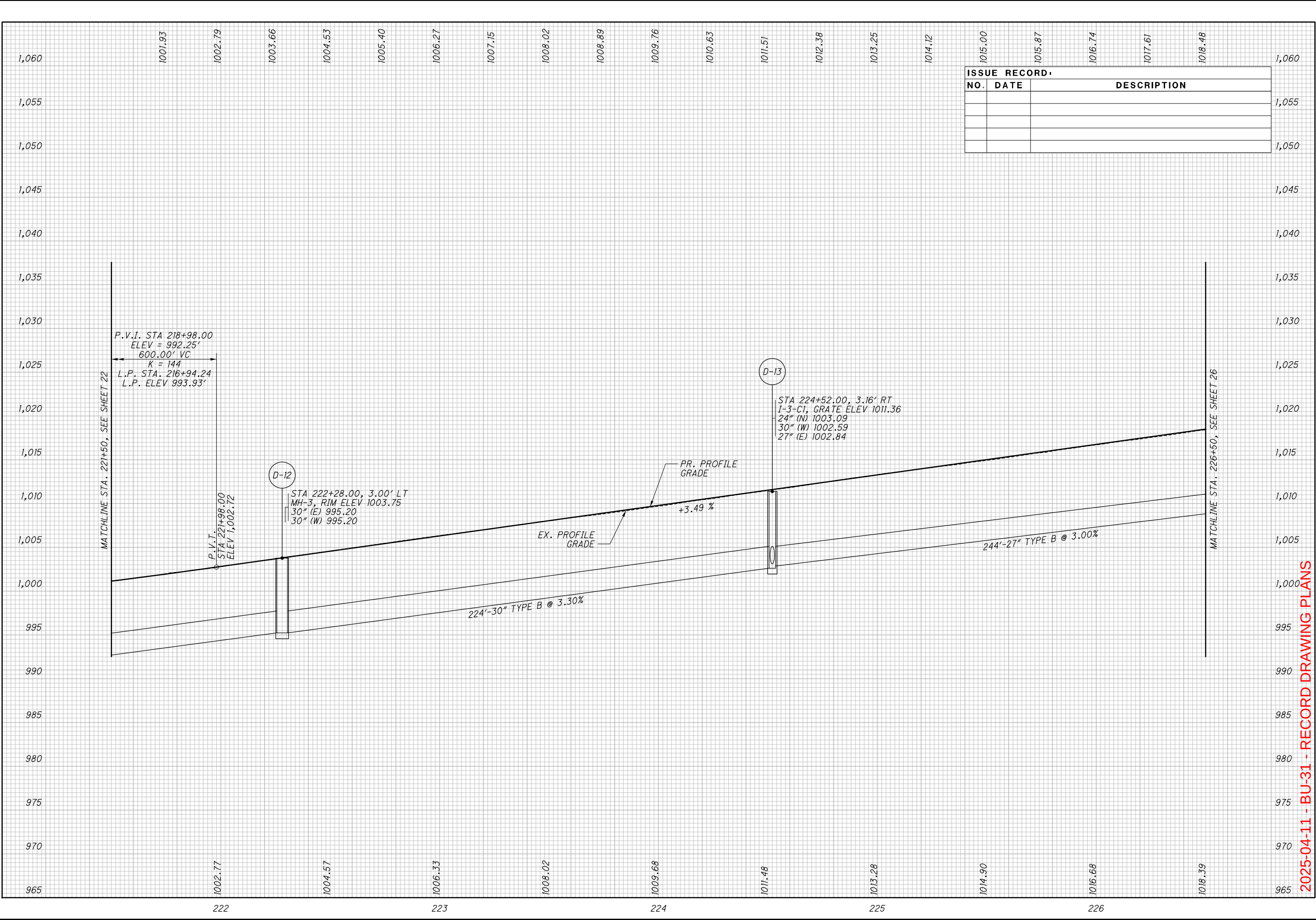
0 20 40
HORIZONTAL
SCALE IN FEET

CALCULATED
GLW
CHECKED
JFM

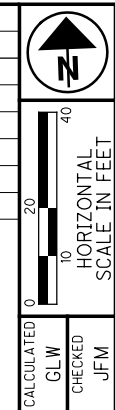
(A) TIE PROPOSED UNDERDRAIN INTO EXISTING OVER 10 FEET.

CROSS REFERENCES:
FOR I-77 PROFILE, SEE SHEET 24
FOR I-77 CROSS-SECTIONS, SEE SHEETS 58 - 61
FOR RAMP TERMINAL DETAILS, SEE SHEET 79



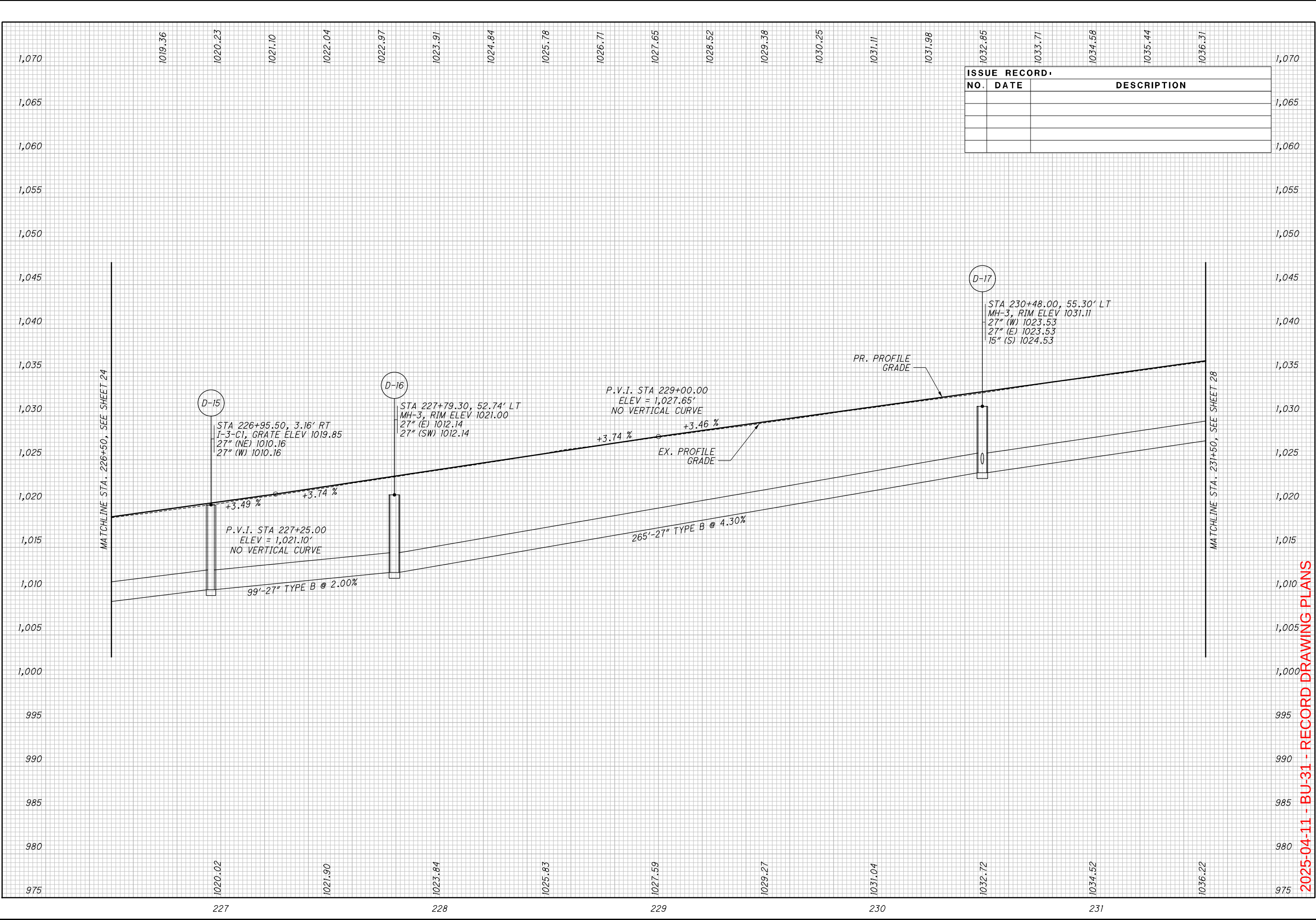


2025-04-11 - BU-31 - RECORD DRAWING PLANS

[illegible][illegible]

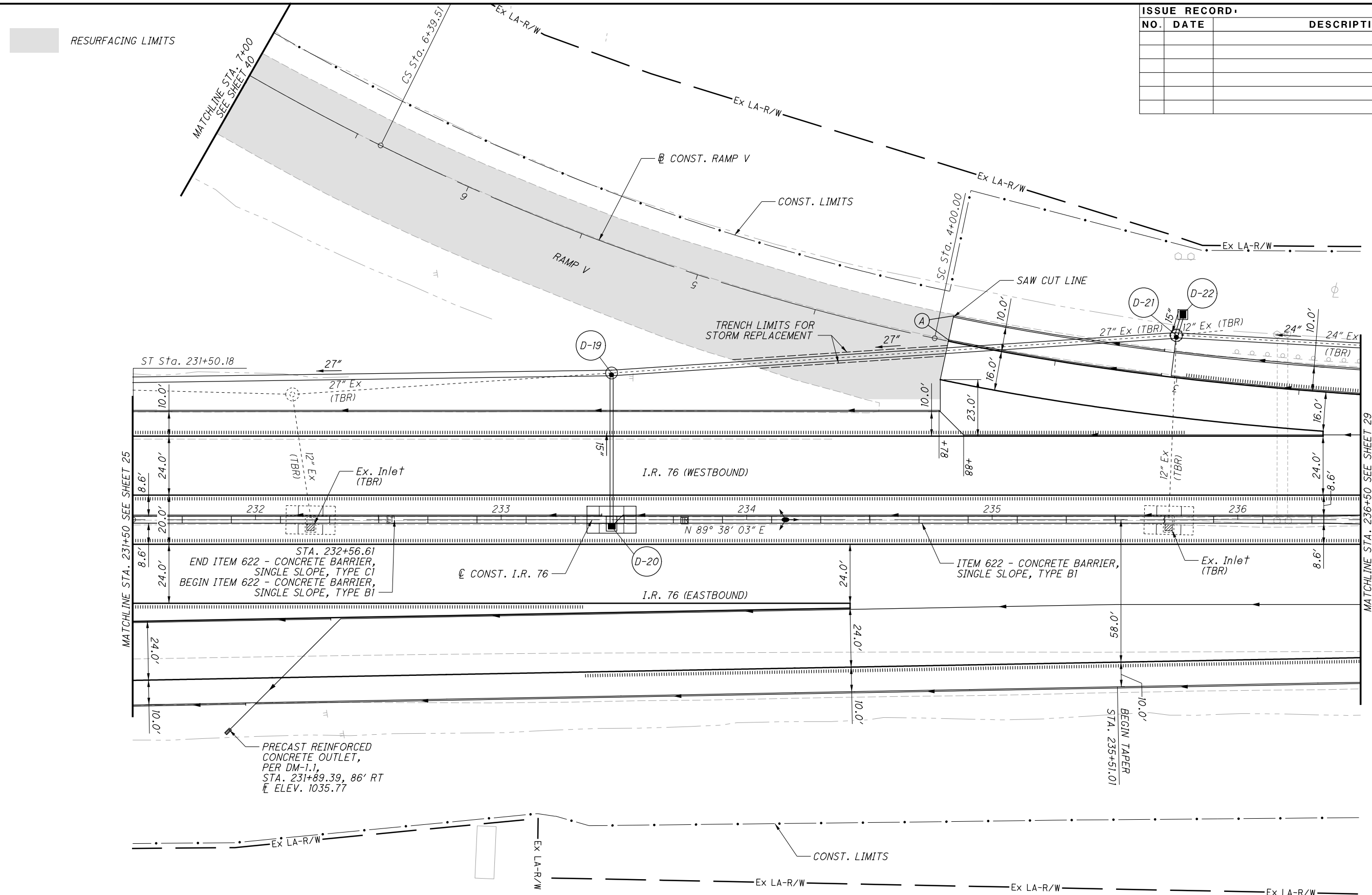
SUM-76 / 77 / 8 -
8.24 / 9.74 / 0.00

**PLAN - I.R. 76 / I.R. 77
STA. 226+50 TO STA. 231+50**



2025-04-11 - BU-31 - RECORD DRAWING PLANS

ISSUE RECORD		
NO.	DATE	DESCRIPTION



④ TIE PROPOSED UNDERDRAIN INTO
EXISTING OVER 10 FEET.

CROSS REFERENCES:

FOR I-76 PROFILE, SEE SHEET 28
FOR I-76 CROSS-SECTIONS, SEE SHEETS 64 - 67
FOR SUPERELEVATION TABLES, SEE SHEETS 73 & 74
FOR RAMP TERMINAL DETAILS, SEE SHEET 81
FOR BARRIER TRANSITION DETAILS, SEE SHEET 83

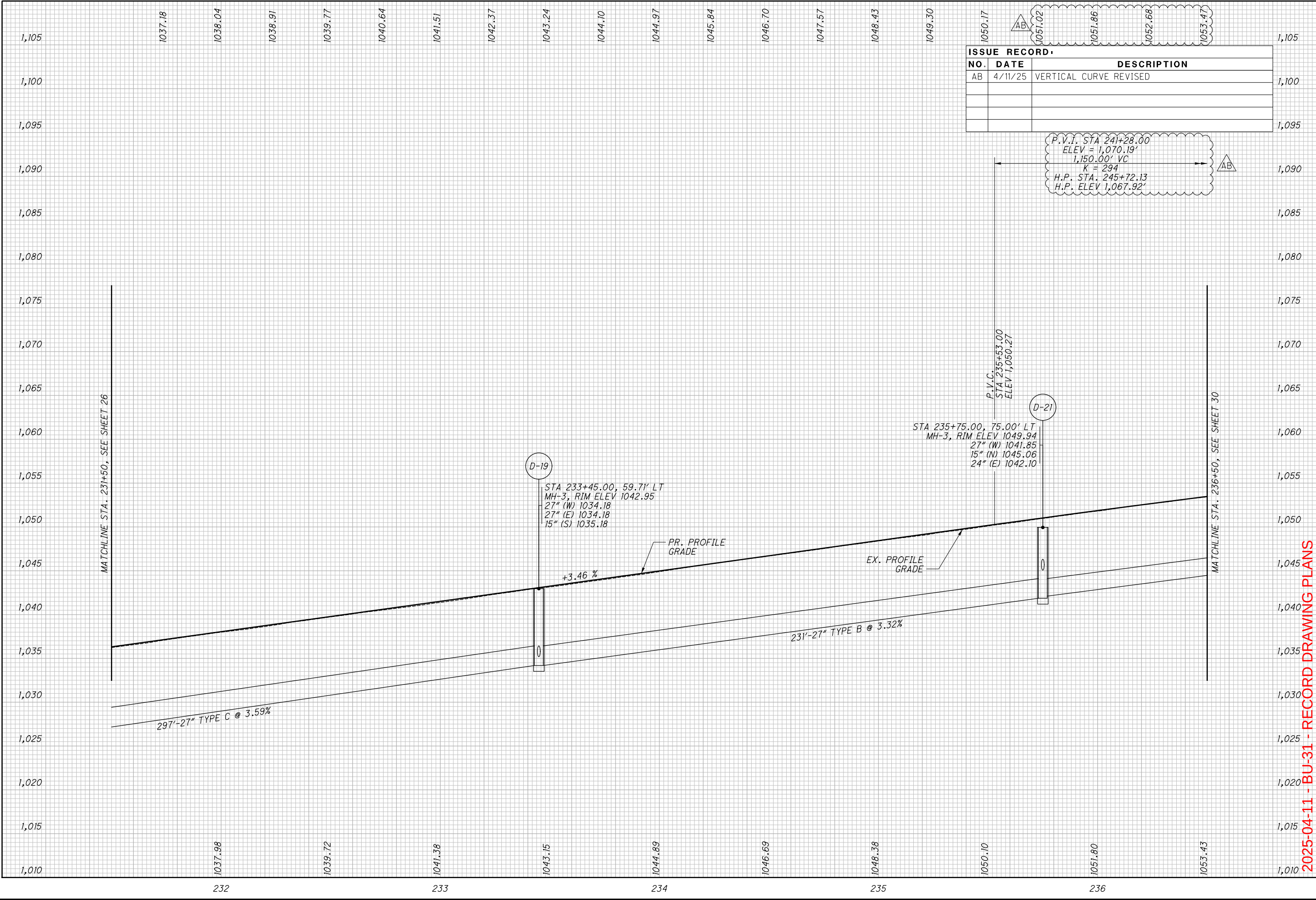
[illegible]

PLAN - I.R. 76
STA. 231+50 TO STA. 236+50

2025-04-11 - BU-31 - RECORD DRAWING PLANS

**SUM-76 / 77 / 8 -
8.24 / 9.74 / 0.00**

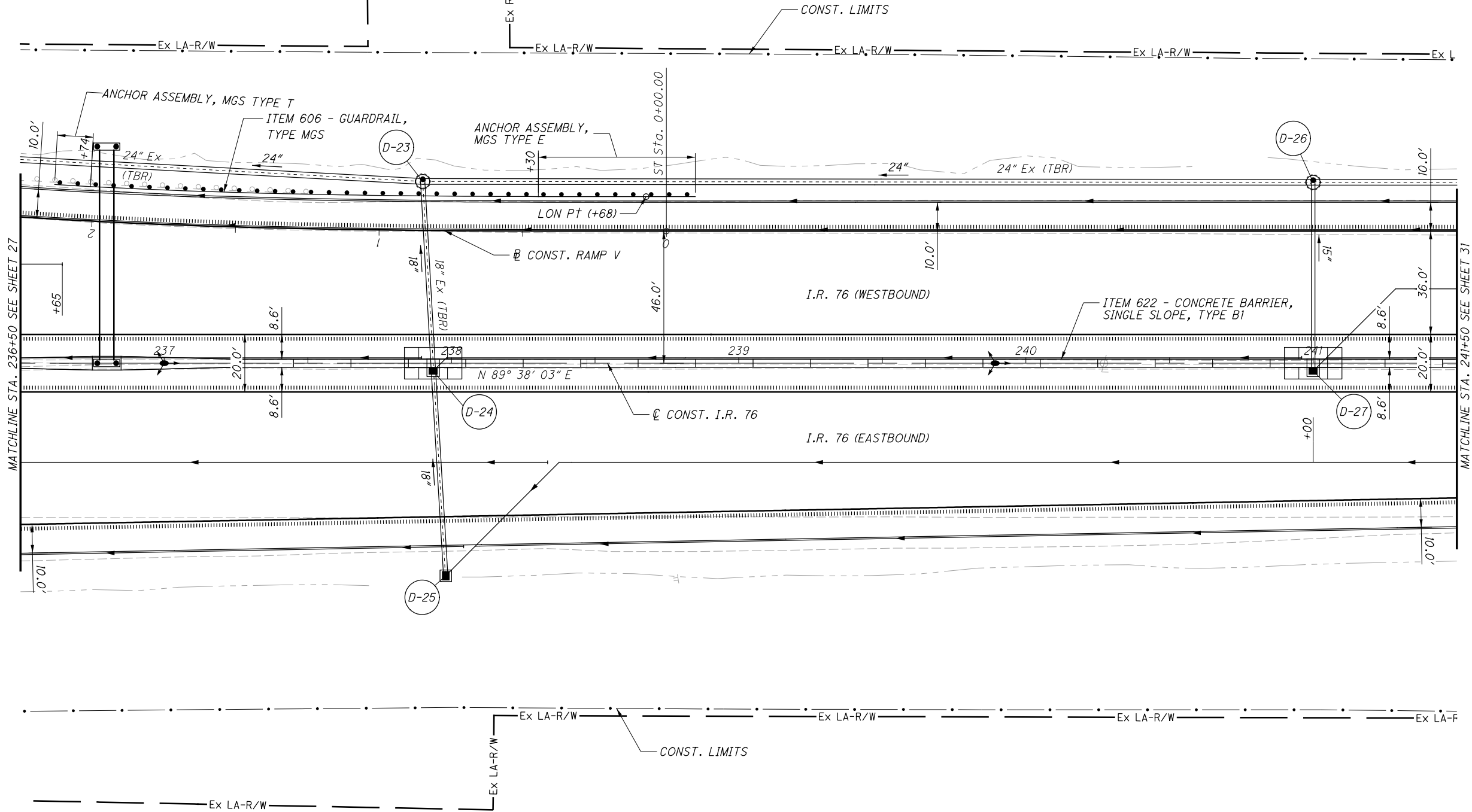
27
83



ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	4/11/25	VERTICAL CURVE REVISED

2025-04-11 - BU-31 - RECORD DRAWING PLANS

CROSS REFERENCES:
FOR I-76 PROFILE, SEE SHEET 30
FOR I-76 CROSS-SECTIONS, SEE SHEETS 67 - 70
FOR RAMP TERMINAL DETAILS, SEE SHEET 81
FOR BARRIER TRANSITION DETAILS, SEE SHEET 83



ISSUE RECORD		
NO.	DATE	DESCRIPTION

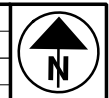


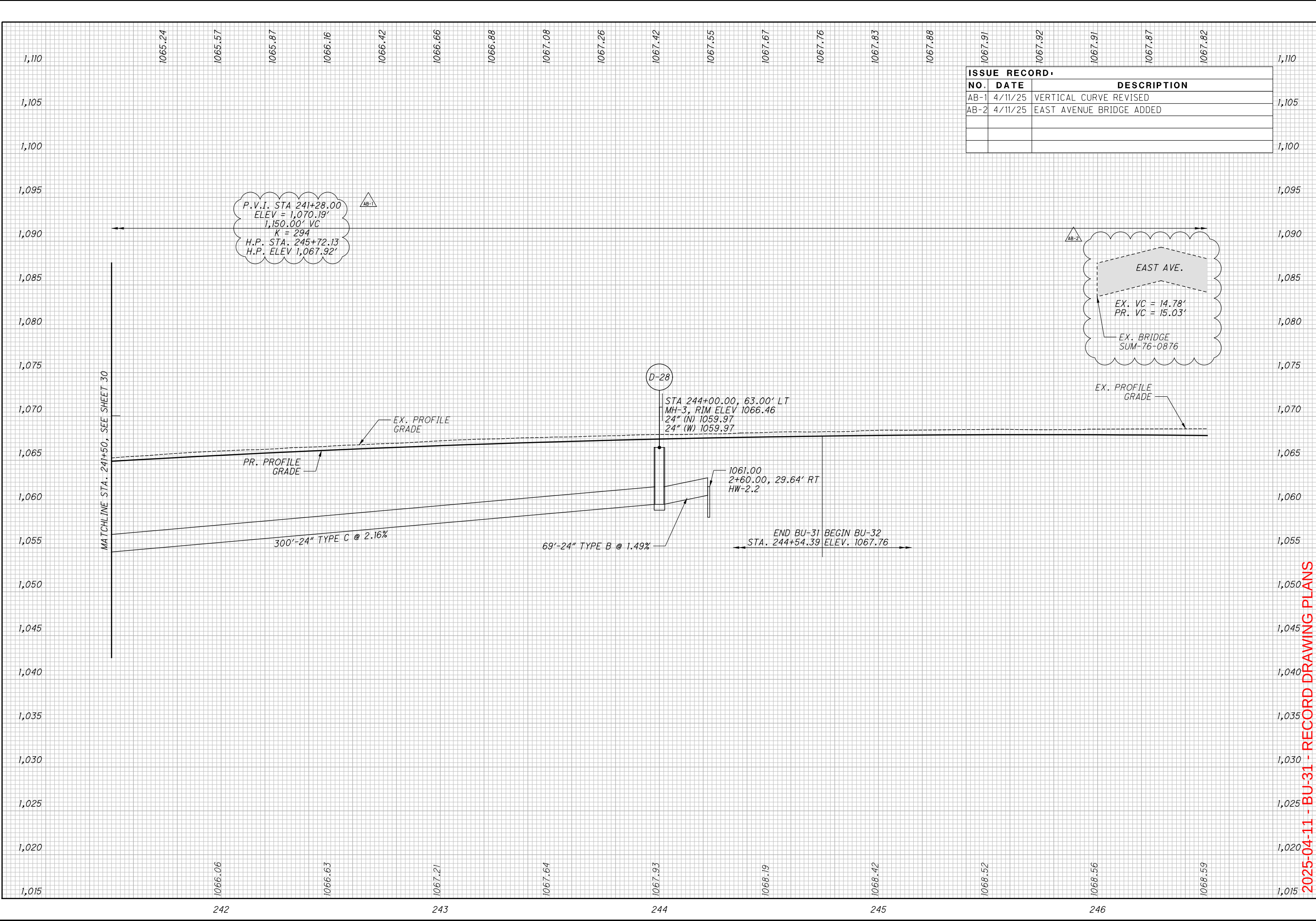


PROFILE - I.R. 76
STA. 236+50 TO STA. 241+50



ISSUE RECORD:





2025-04-11 - BU-31 - RECORD DRAWING PLANS

RESURFACING LIMITS

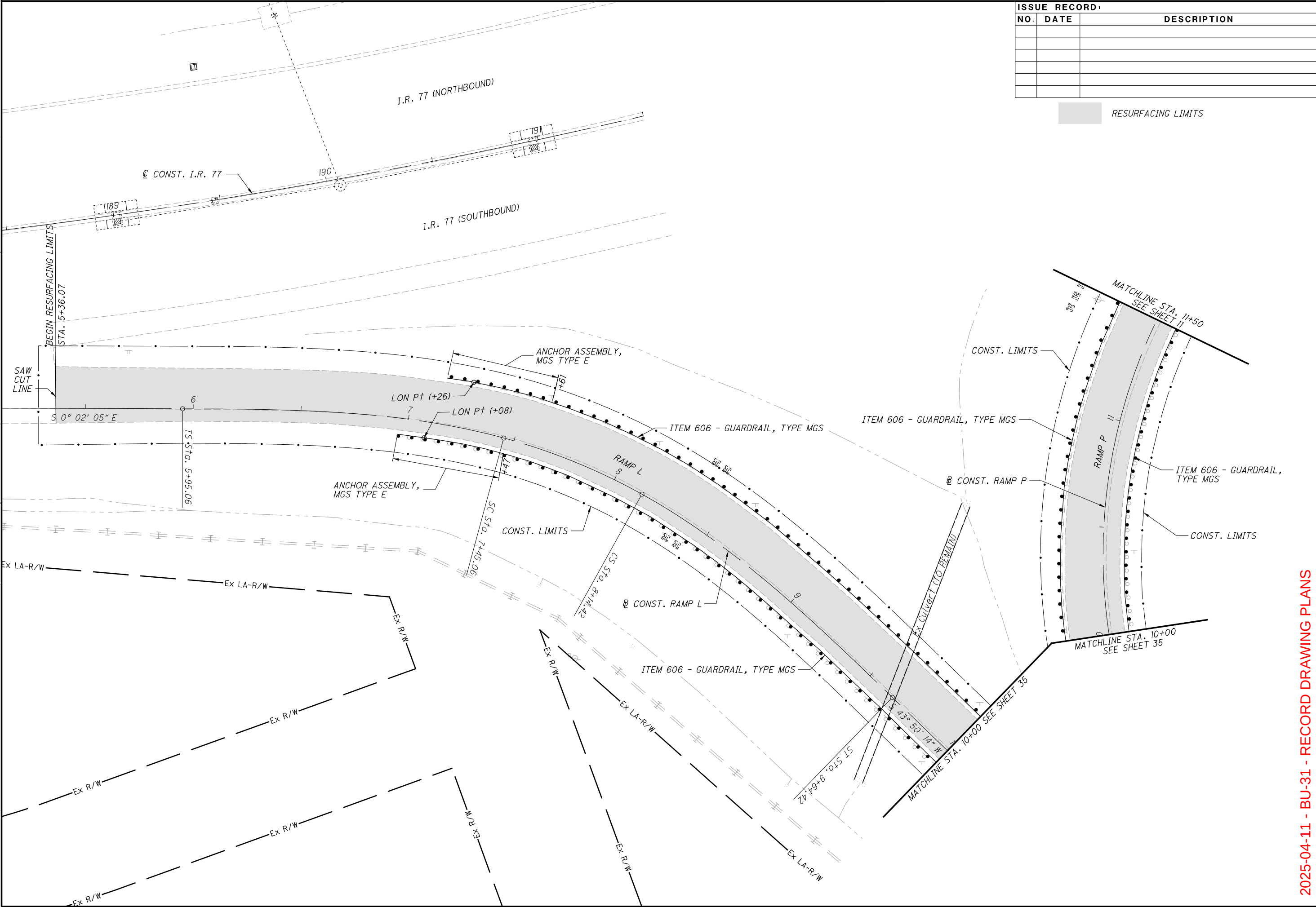
[illegible]

**PLAN - RAMP M & RAMP N
RESURFACING LIMITS**

**SUM-76 / 77 / 8 -
8.24 / 9.74 / 0.00**

33
83

2025-04-11 - BU-31 - RECORD DRAWING PLANS



ISSUE RECORD:		
NO.	DATE	DESCRIPTION

RESURFACING LIMITS

2025-04-11 - BU-31 - RECORD DRAWING PLANS

SUM-76 / 77 / 8 -
8.24 / 9.74 / 0.00

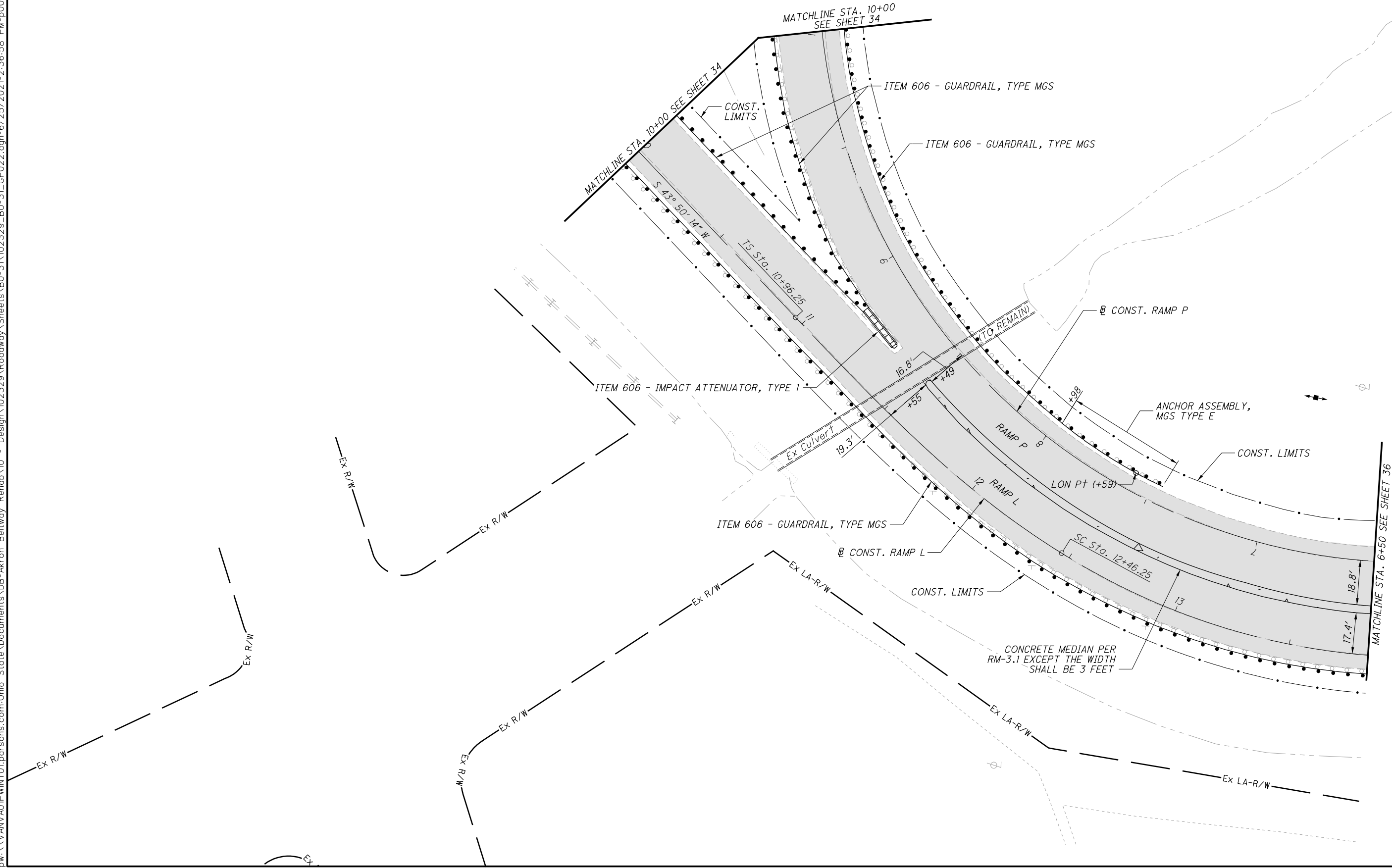
34
83

PLAN - RAMP L & RAMP P
RESURFACING LIMITS

CALCULATED
GLW

CHECKED
JFM

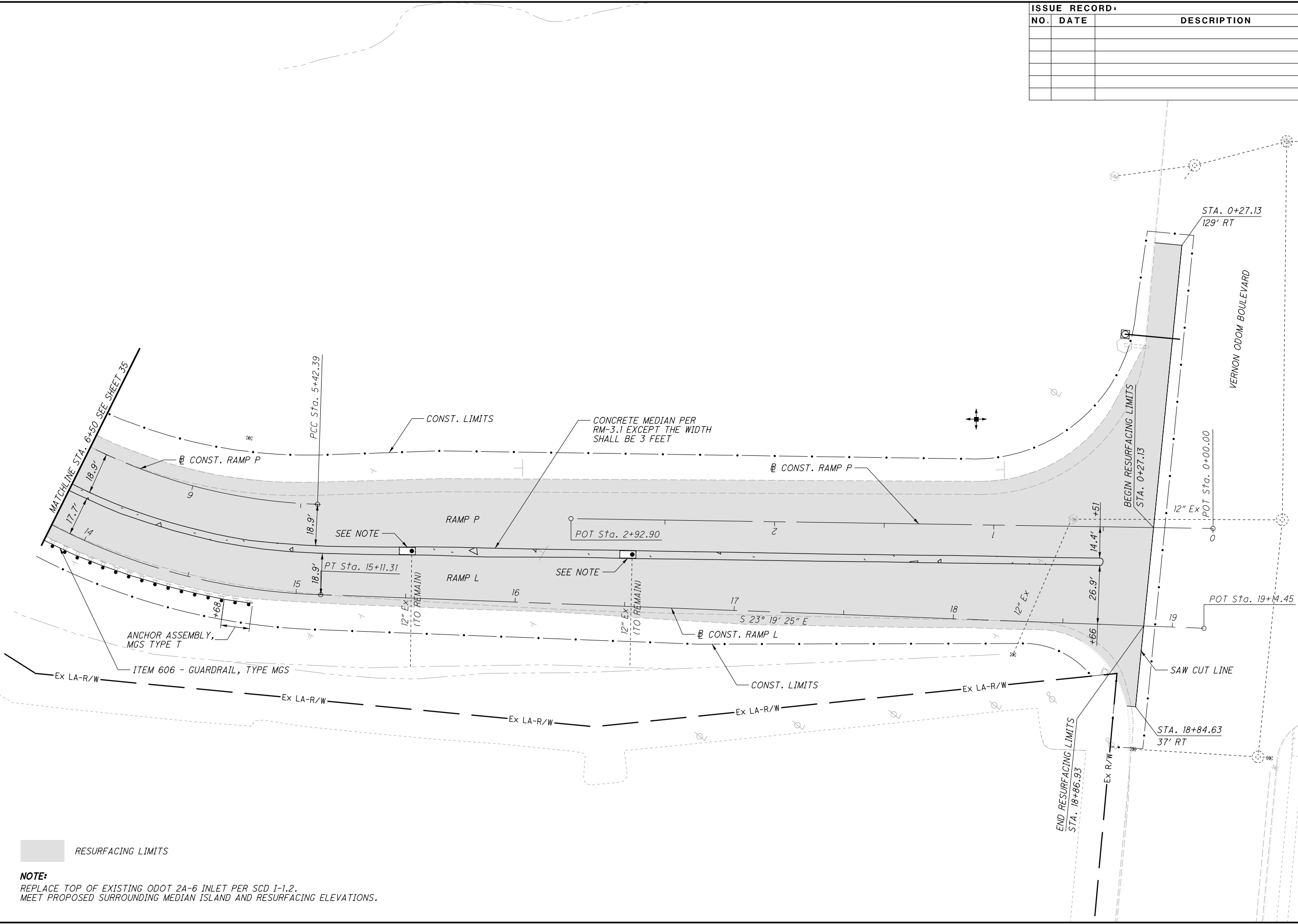
0 20 40
HORIZONTAL
SCALE IN FEET

[illegible]

2025-04-11 - BU-31 - RECORD DRAWING PLANS

**SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00**

PLAN - RAMP L & RAMP P RESURFACING LIMITS

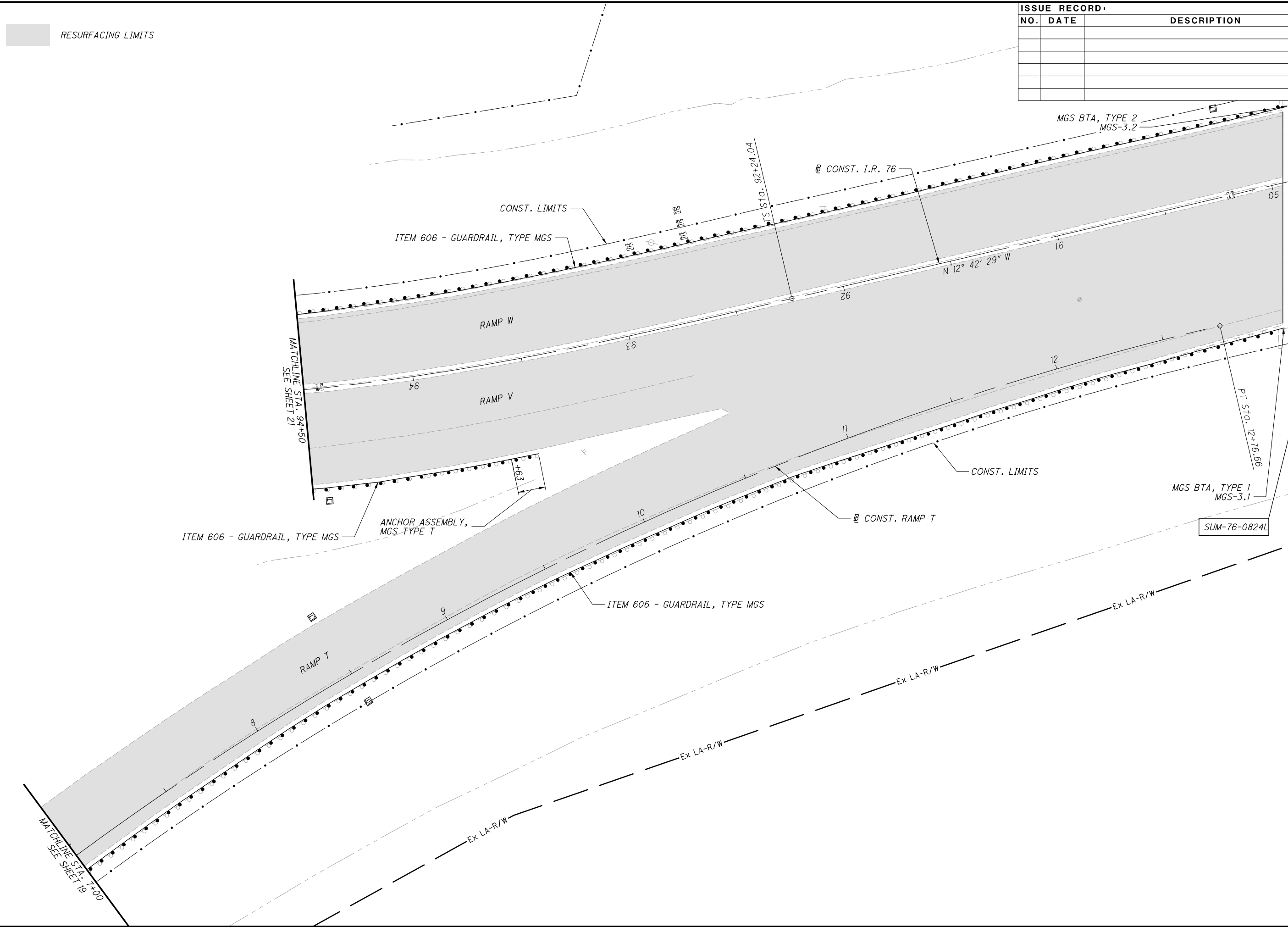
[illegible]

**PLAN - RAMP L & RAMP P
RESURFACING LIMITS**

~~2025-04-11 - BU-31 - RECORD DRAWING PLANS~~

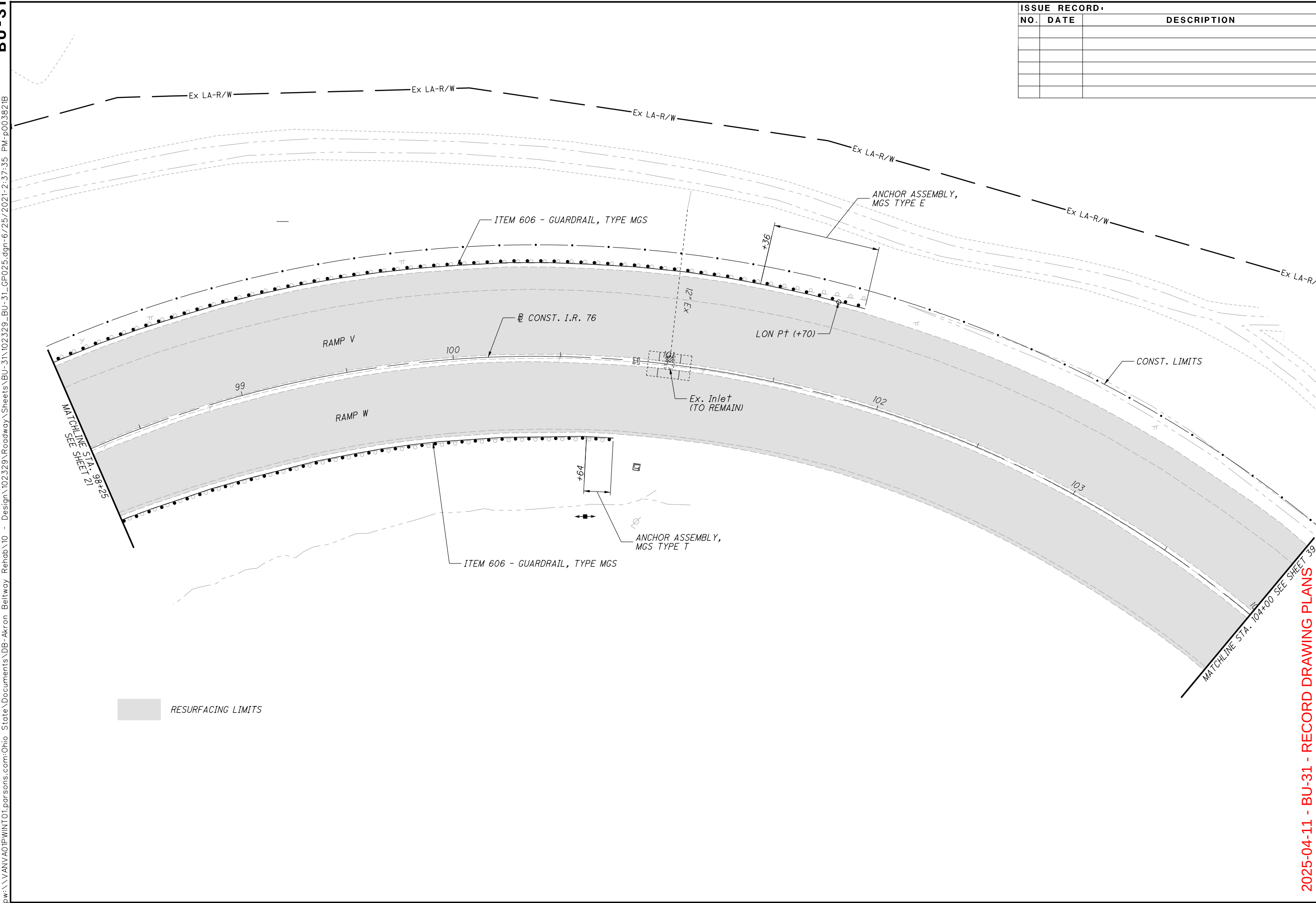
**SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00**

36
83

[illegible]

**PLAN - RAMP T, RAMP V & RAMP W
RESURFACING LIMITS**

**SUM-76 / 77 / 8 -
8.24 / 9.74 / 0.00**

[illegible]

$\in$ CONST. RAMP W -

RAM

RAMP V

—CONST. LIMITS

— B CONST. RAMP W

42" W

MATCHLINE STA. 11+50 SEE SHEET 4

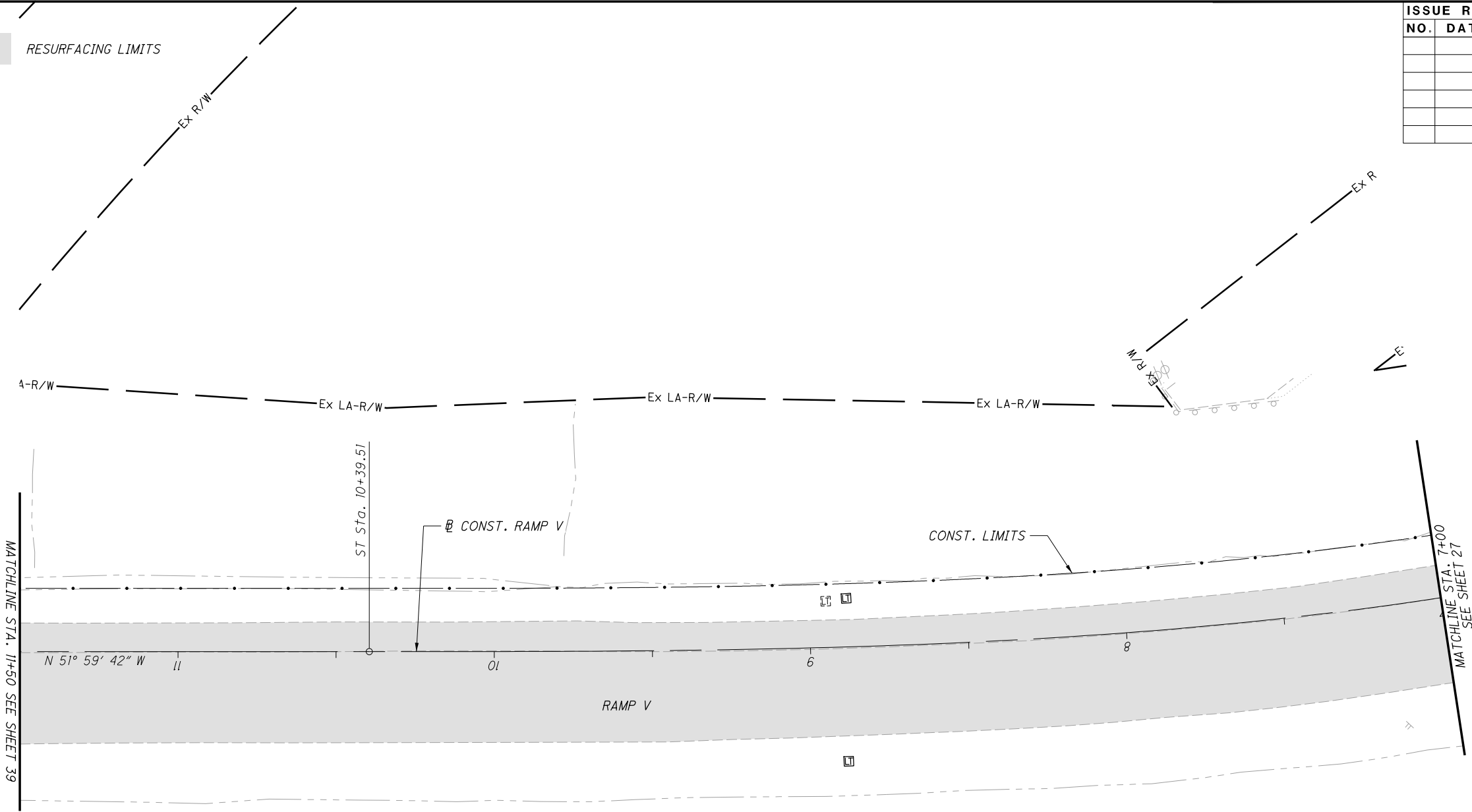
ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	3/28/25	ELIMINATED PROPOSED GUARDRAIL



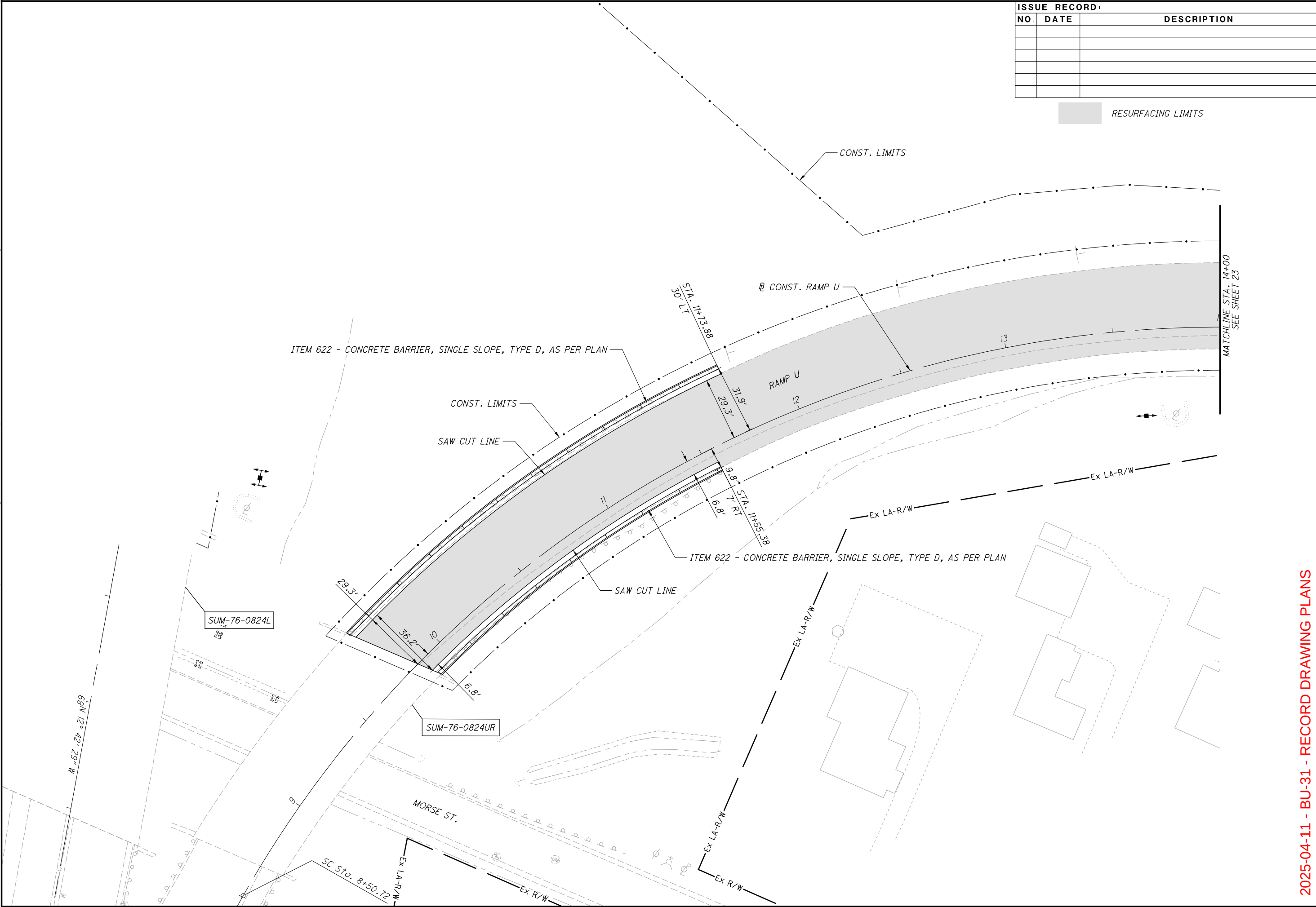
2025-04-11 - BU-31 - RECORD DRAWING PLANS

SUM-76/77/8-8.24/9.74/0.00

PLAN - RAMP V & RAMP W RESURFACING LIMITS



ISSUE RECORD:		
NO.	DATE	DESCRIPTION



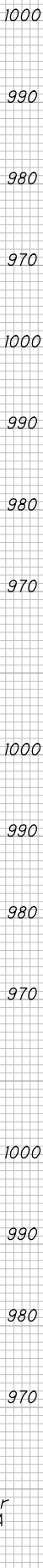
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

RESURFACING LIMITS

○

--	--

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



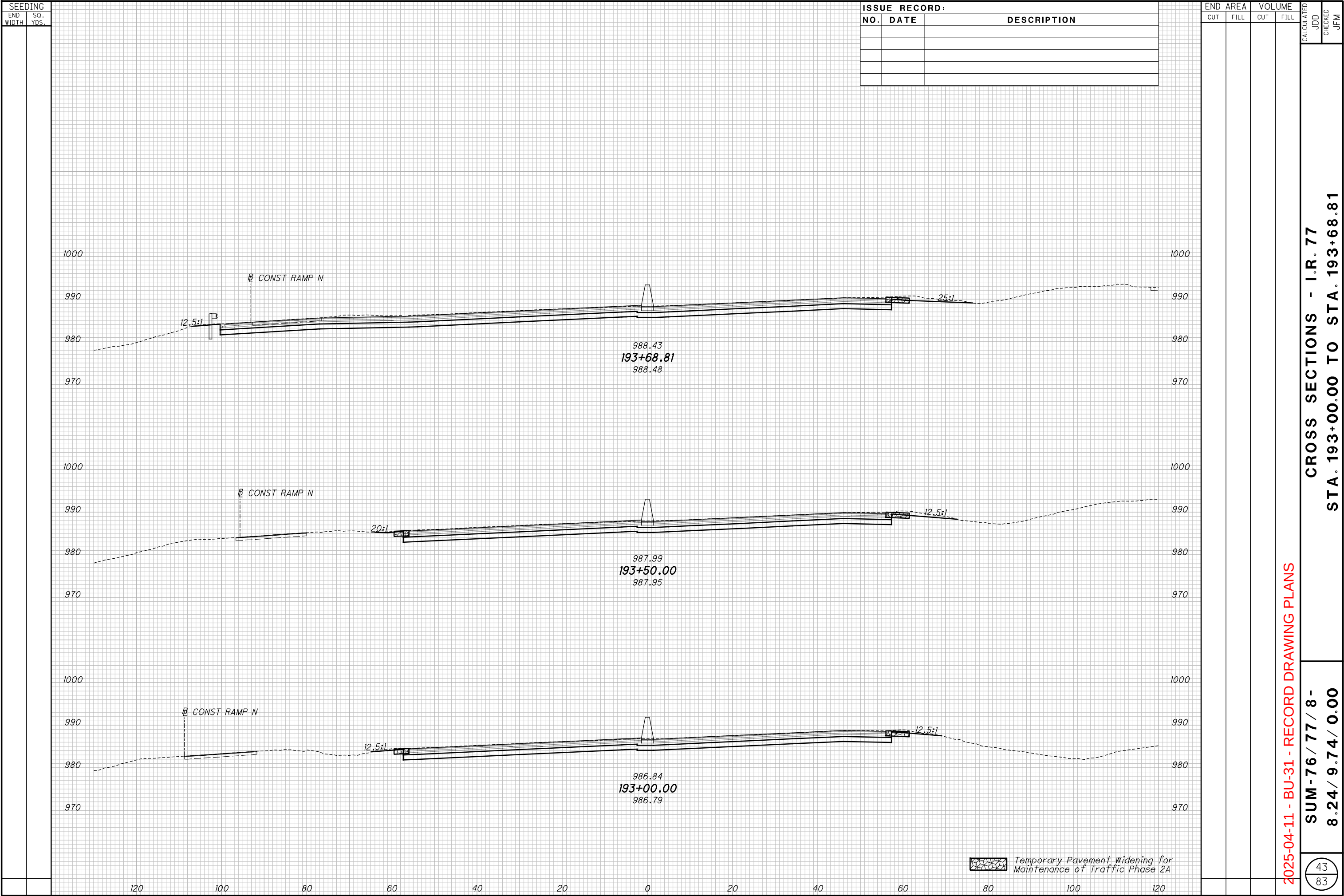
END AREA		VOLUME	
CUT	FILL	CUT	FILL
2025-04-11 - BU-31 - RECORD DRAWING PLANS			

CROSS SECTIONS - I.R. 77
STA. 191+83.50 TO STA. 192+50.00

**SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00**

42
83

pw: \\VANVAOPWINT01\Parsons.com\Ohio State\Documents\DB-Akron Beltway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X5001.dgn-4/9/2025-9:29:05 AM-P000324G



2025-04-11 - BU-31 - RECORD DRAWING PLANS

CROSS SECTIONS - I.R. 77

STA. 193+00.00 TO STA. 193+68.81

SUM-76 / 77 / 8-

8.24 / 9.74 / 0.00

43

83

○

--	--

CONST RAMP P

ITEM 670 SLOPE EROSION PROTECTION, TYPE E

2:1

CONST RAMP P

FL 991.66

3:1

CONST RAMP P

FL 990.47

3:1

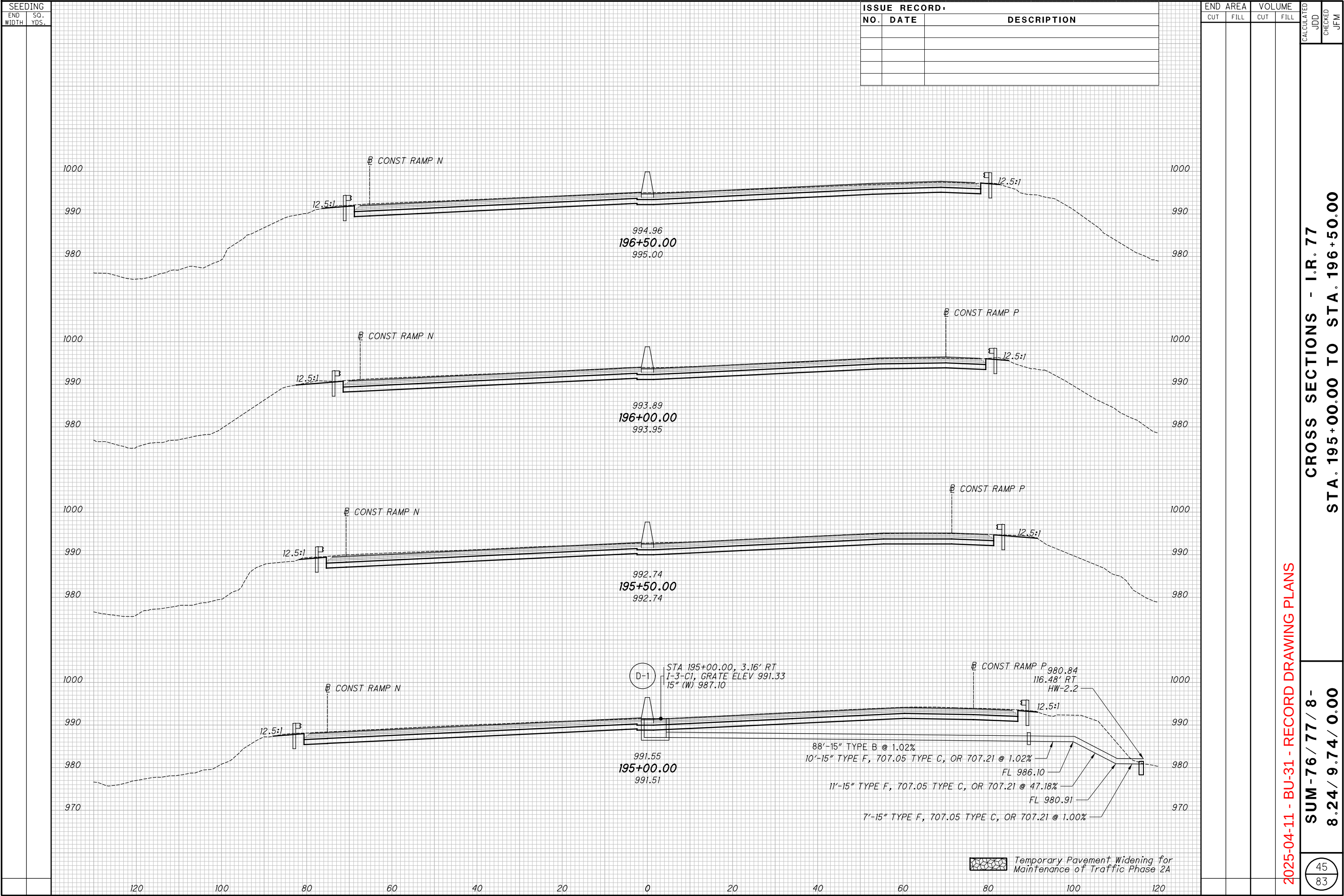
CONST RAMP P

Temporary Pavement Widening Maintenance of Traffic Phase

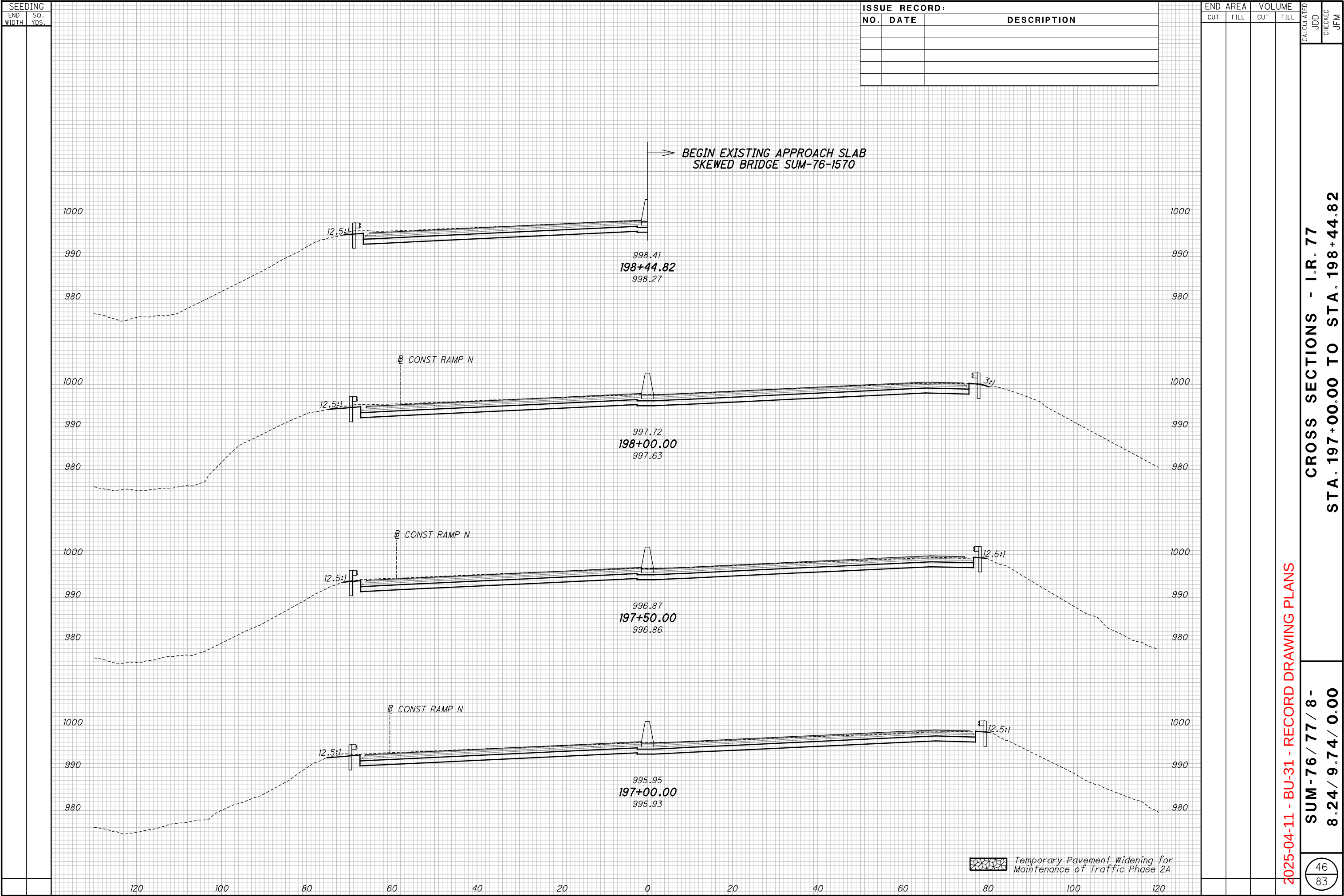
60 80 100 120

44
83

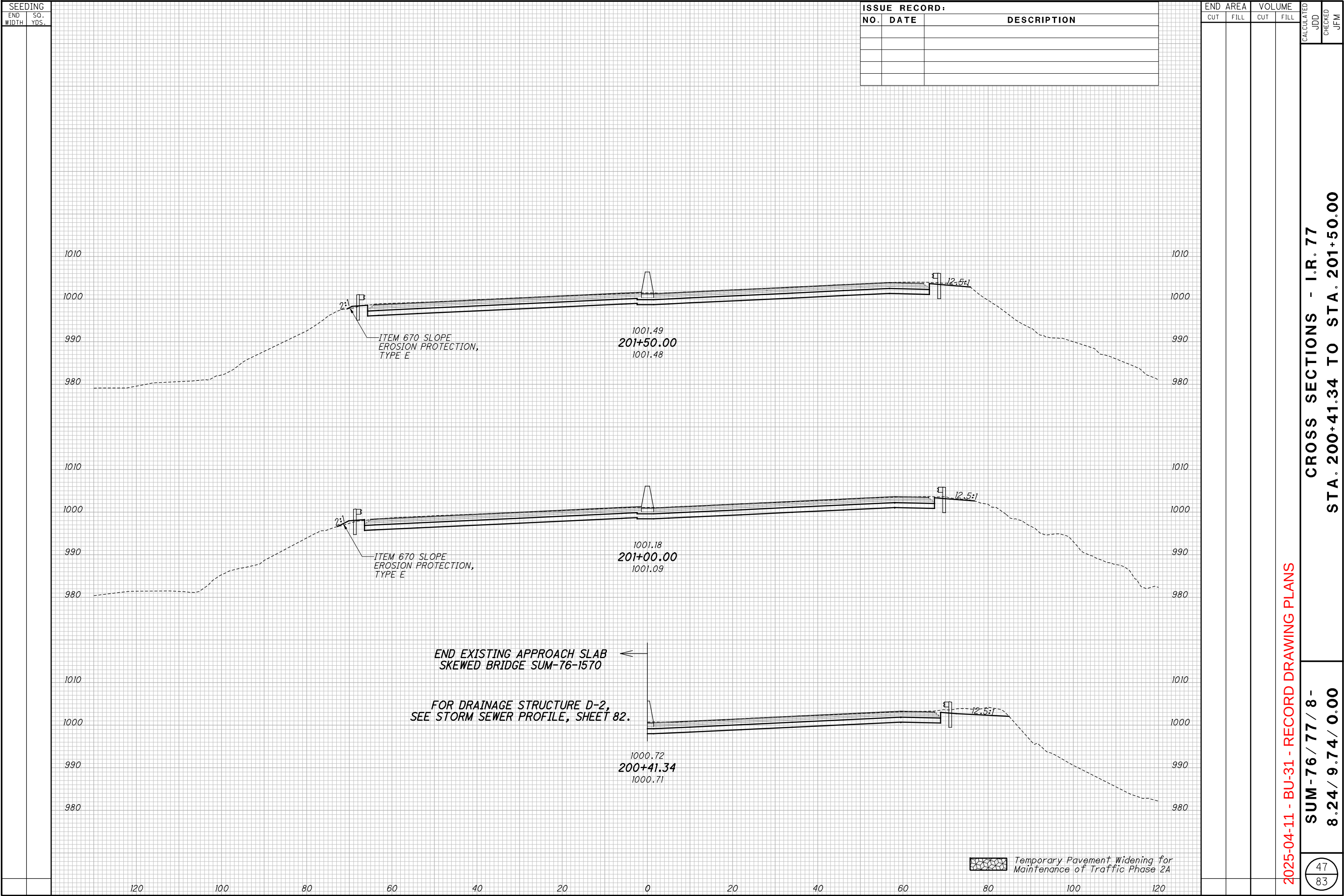
pw: \\VANVACIPWINT01.parsons.com:Ohio State\Documents\0 - Design\02329\Roadway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X5001.dgn-6/25/2021-2:38:32 PM-p00382B



pw: \\VANVAOPWINT01\Parsons.com\Ohio State\Documents\010 State\Roadway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X5001.dgn-4/9/2025-9:30:41 AM-p000324G



pw: \\VANVAOPWINT01\Parsons.com\Ohio State\Documents\010 - Design\02329\Roadway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X5001.dgn-4/9/2025-9:31:17 AM-p000324G



2025-04-11 - BU-31 - RECORD DRAWING PLANS

CROSS SECTIONS - I.R. 77

STA. 200+41.34 TO STA. 201+50.00

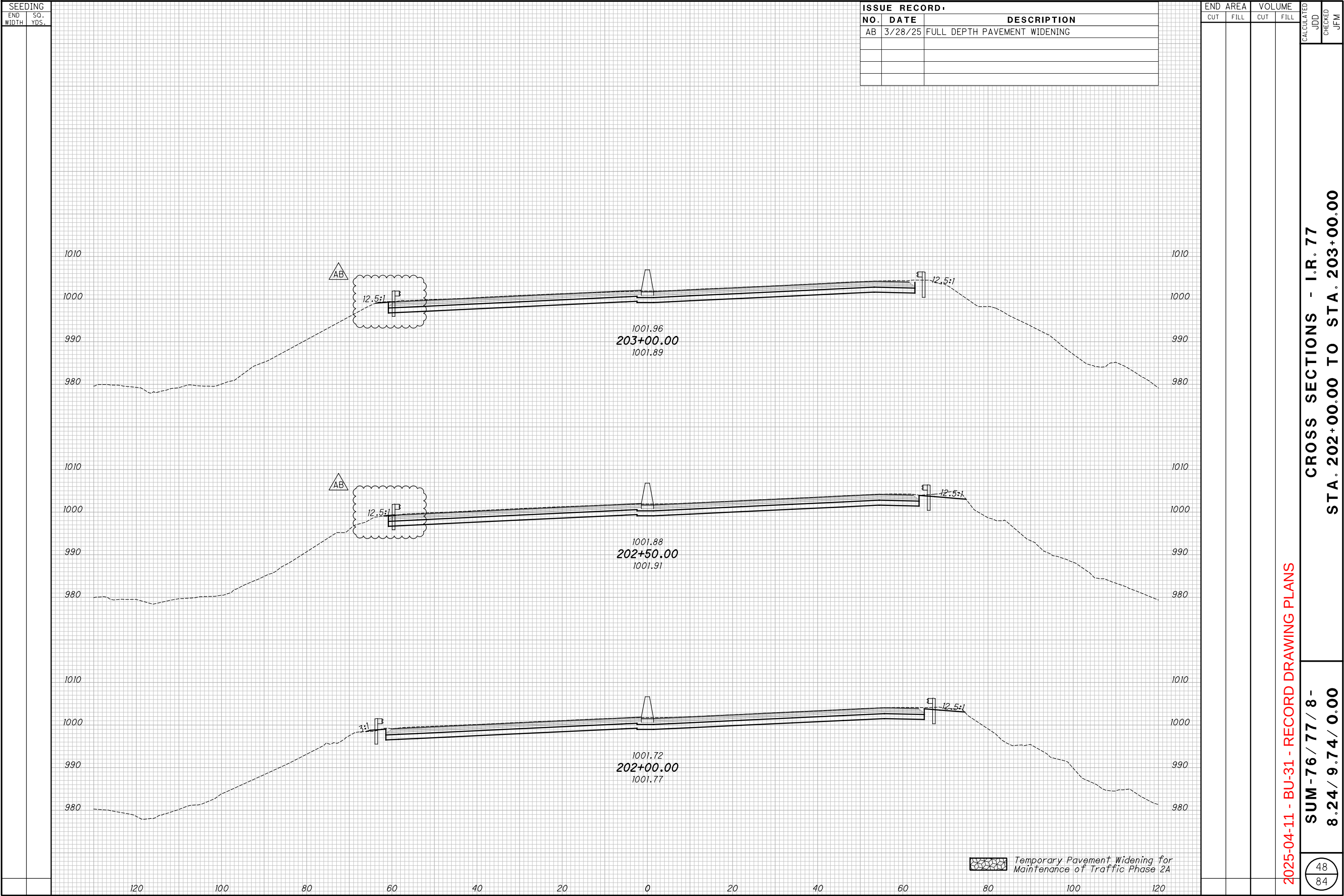
SUM-76 / 77 / 8-

8.24 / 9.74 / 0.00

47

83

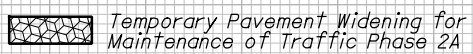
pw: \\VANACIPWINT01\Parsons.com\Ohio State\Documents\08-Akron Beltway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X500.dgn-3/31/2025-12:24:57 PM-p000324G



[illegible]

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	3/28/25	FULL DEPTH PAVEMENT WIDENING

2025-04-11 - BU-31 - RECORD DRAWING PLANS

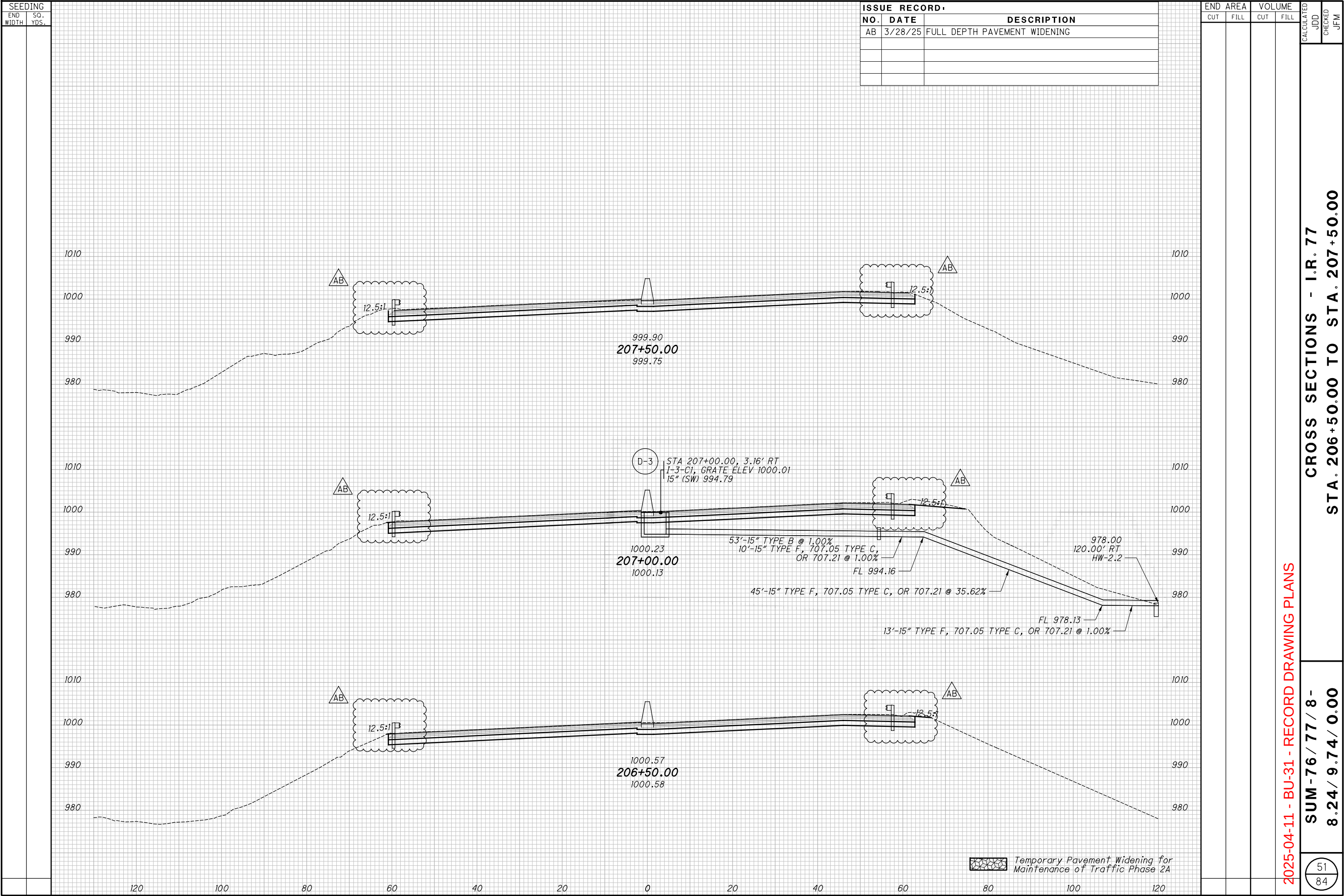


--	--

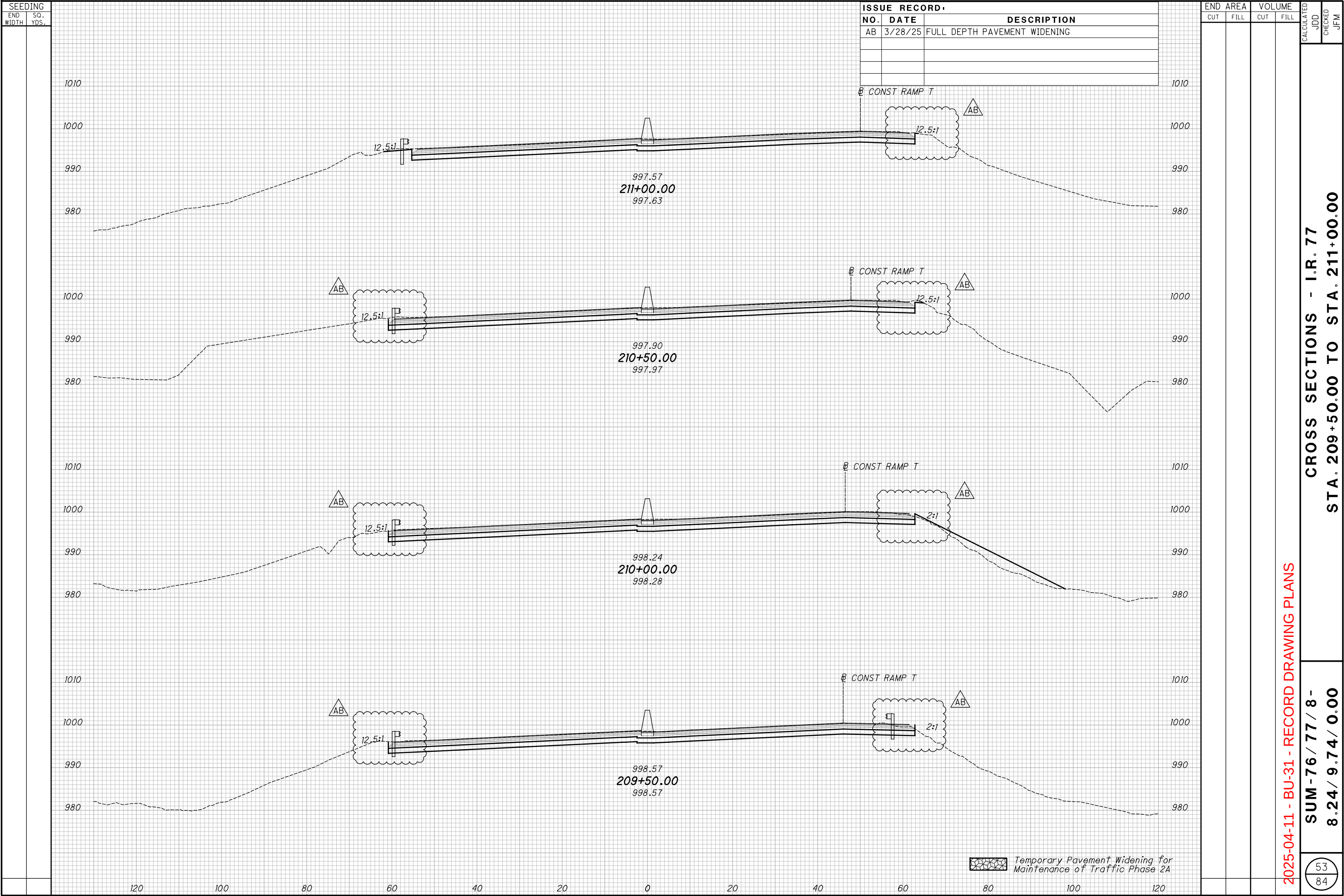
DESCRIPTION



pw: \\VANACIPWINT01\Parsons.com\Ohio State\Documents\08-Akron Beltway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X500.dgn-3/31/2025-12:26:41 PM-P000324G



pw: \\VANACIPWINT01\Parsons.com\Ohio State\Documents\08-Akron Beltway Rehab\0 - Design\02329\Roadway Sheets\BU-31\X500.dgn-3/31/2025-12:21:49 PM-p000324G



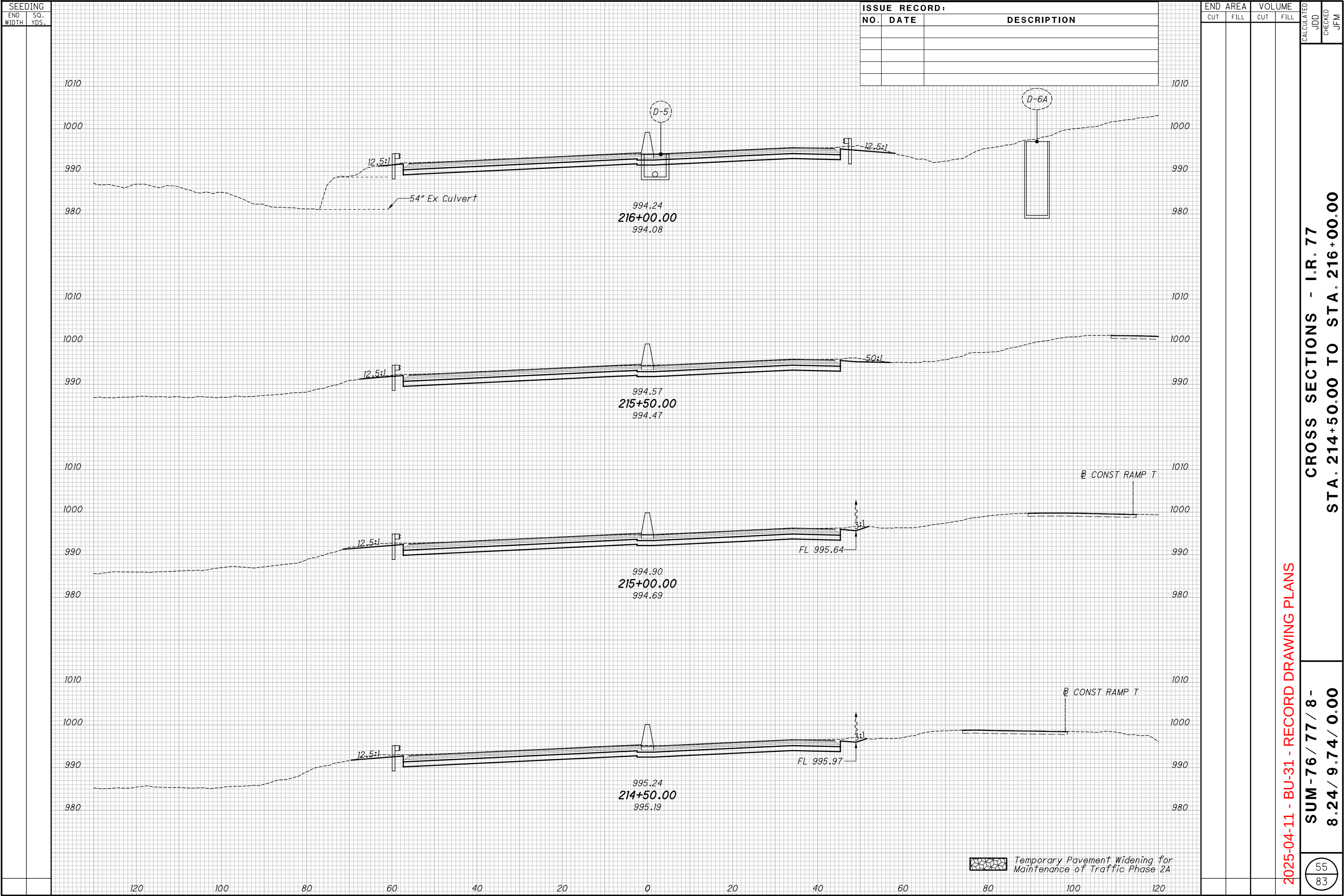
2025-04-11 - BU-31 - RECORD DRAWING PLANS

SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

53
84

54
83

pw: \\VANACIPWINT01.parsons.com:Ohio State\Documents\0 - Design\02329\Roadway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X5001.dgn-6/25/2021-2:39:23 PM-p00382B



2025-04-11 - BU-31 - RECORD DRAWING PLANS

CROSS SECTIONS - I.R. 77

STA. 214+50.00 TO STA. 216+00.00

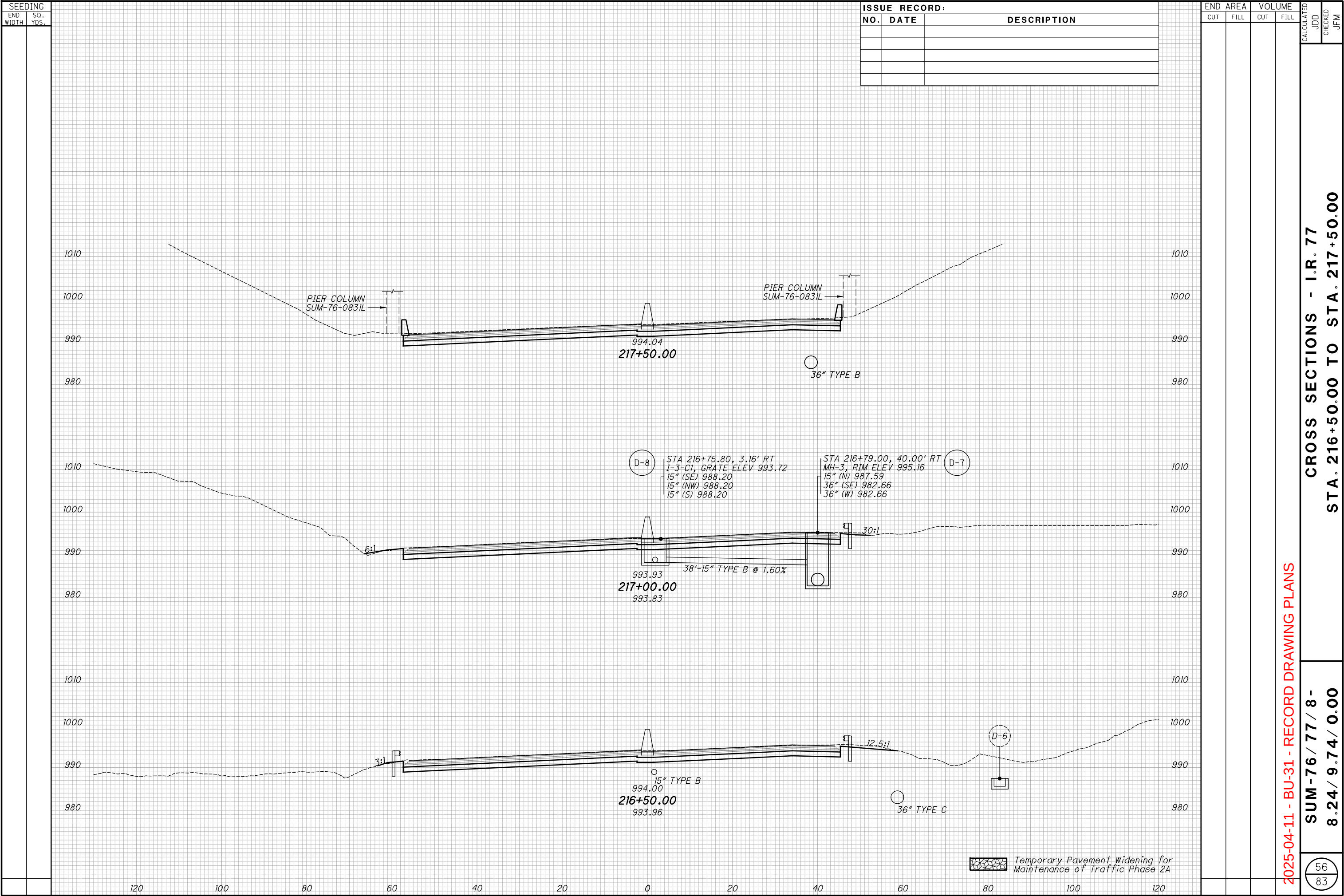
SUM-76 / 77 / 8-

8.24 / 9.74 / 0.00

55

83

pw: \\VANACIPWINT01.parsons.com:Ohio State\Documents\08-Akron Beltway Rehab\0 - Design\02329\Roadway Sheets\BU-31\X5001.dgn-6/25/2021-2:39:28 PM-p003821B



○

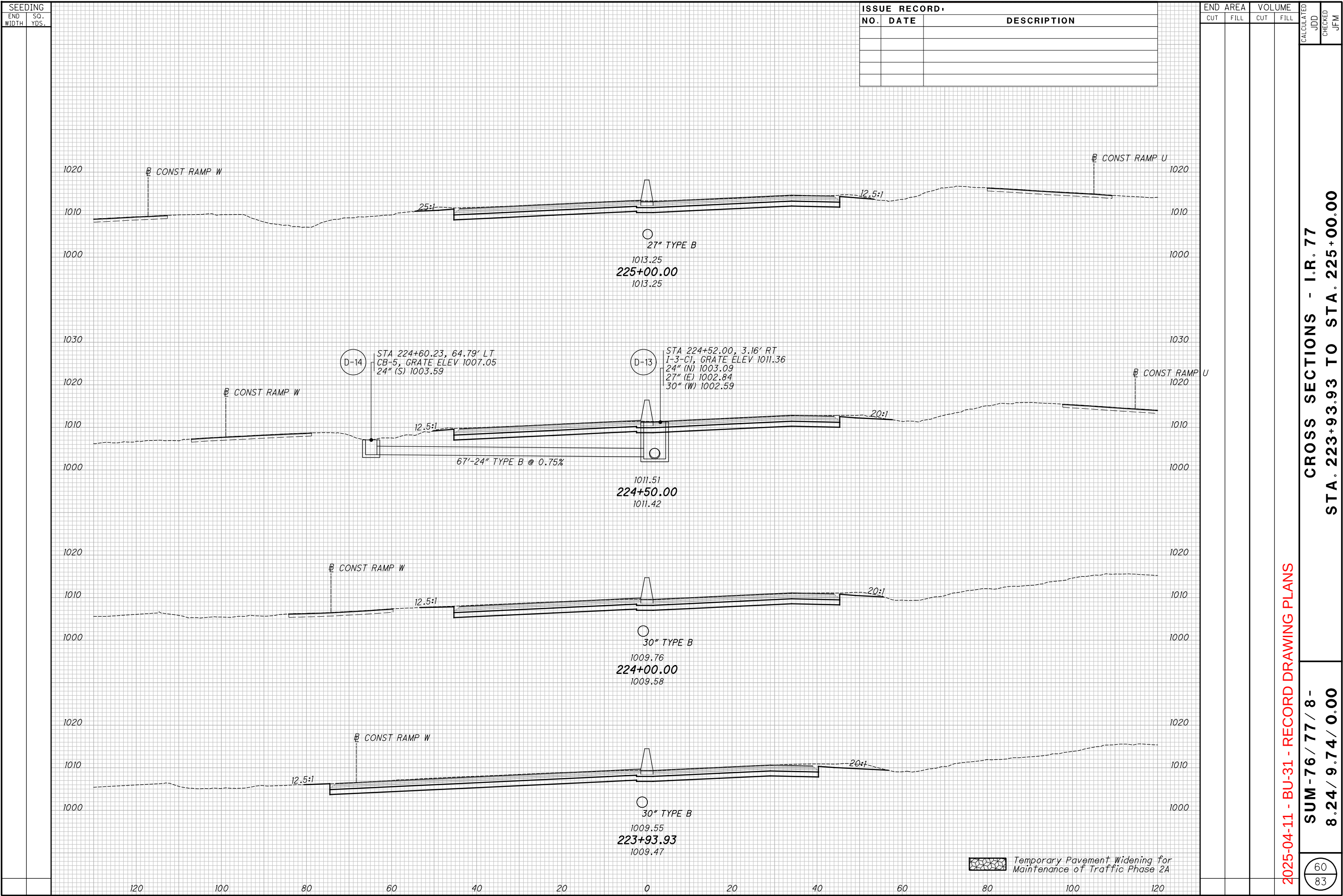
57
83

○

58
83

59
83

pw: \\VANVACIPWINT01.parsons.com:Ohio State\Documents\08-Akron Beltway Rehab\0 - Design\02329_Roadway Sheets\BU-31_X5001.dgn-6/25/2021-2:40:00 PM-p003821B



2025-04-11 - BU-31 - RECORD DRAWING PLANS

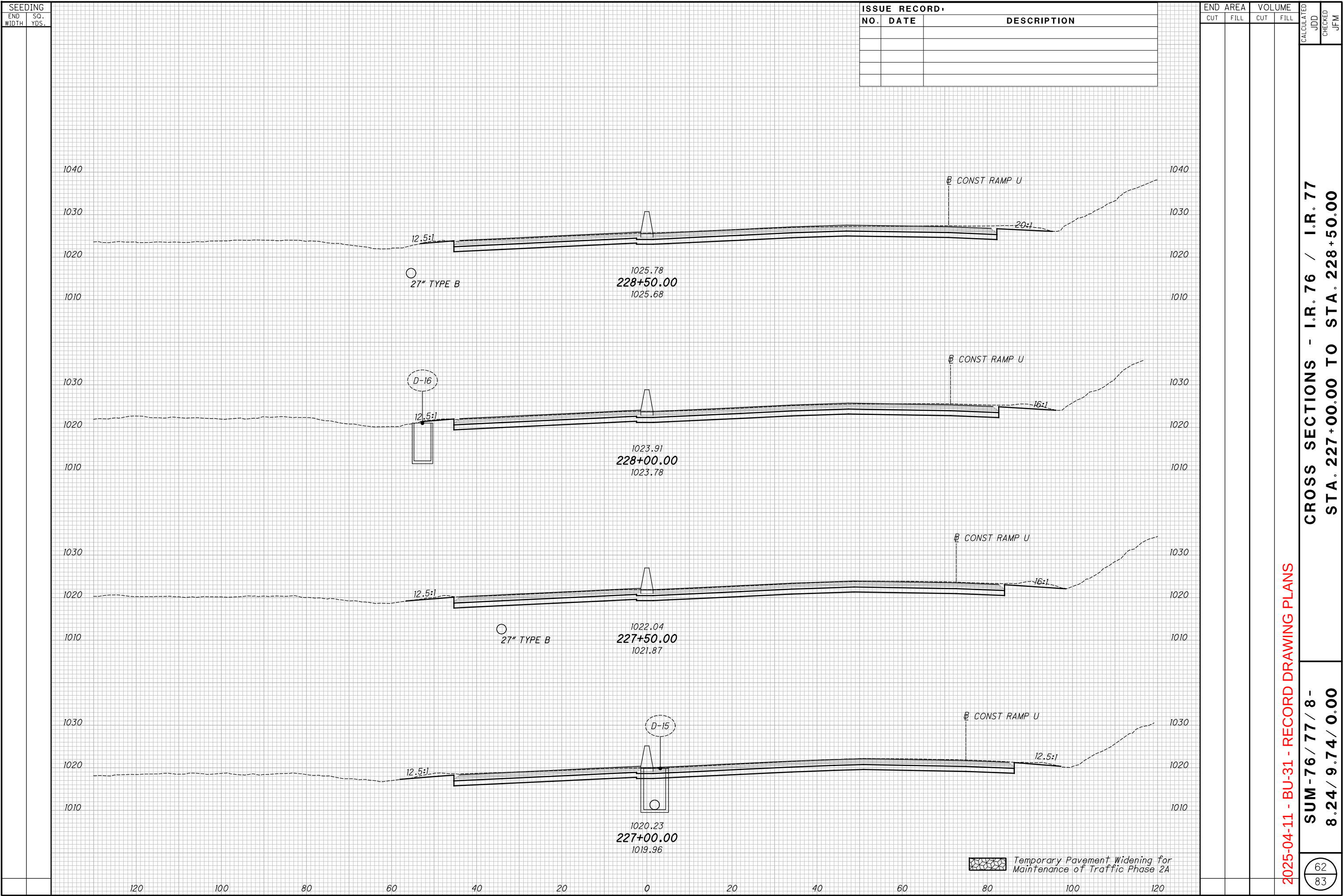
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

60
83

○

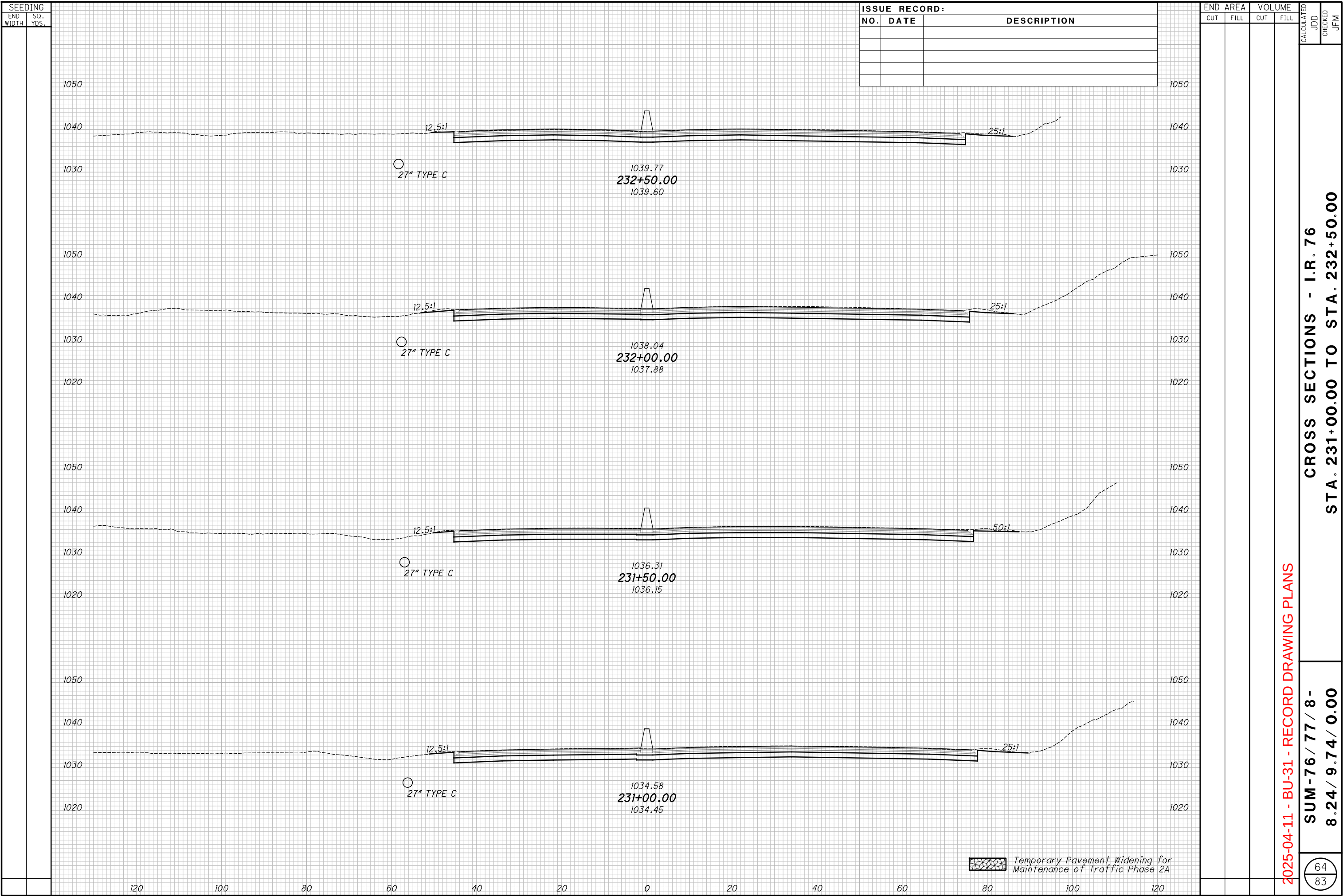
61
83

pw: \\VANACIPWINT01.parsons.com:Ohio State\Documents\0 - Design\02329\Roadway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X5001.dgn-6/25/2021-2:40:16 PM-p003821B

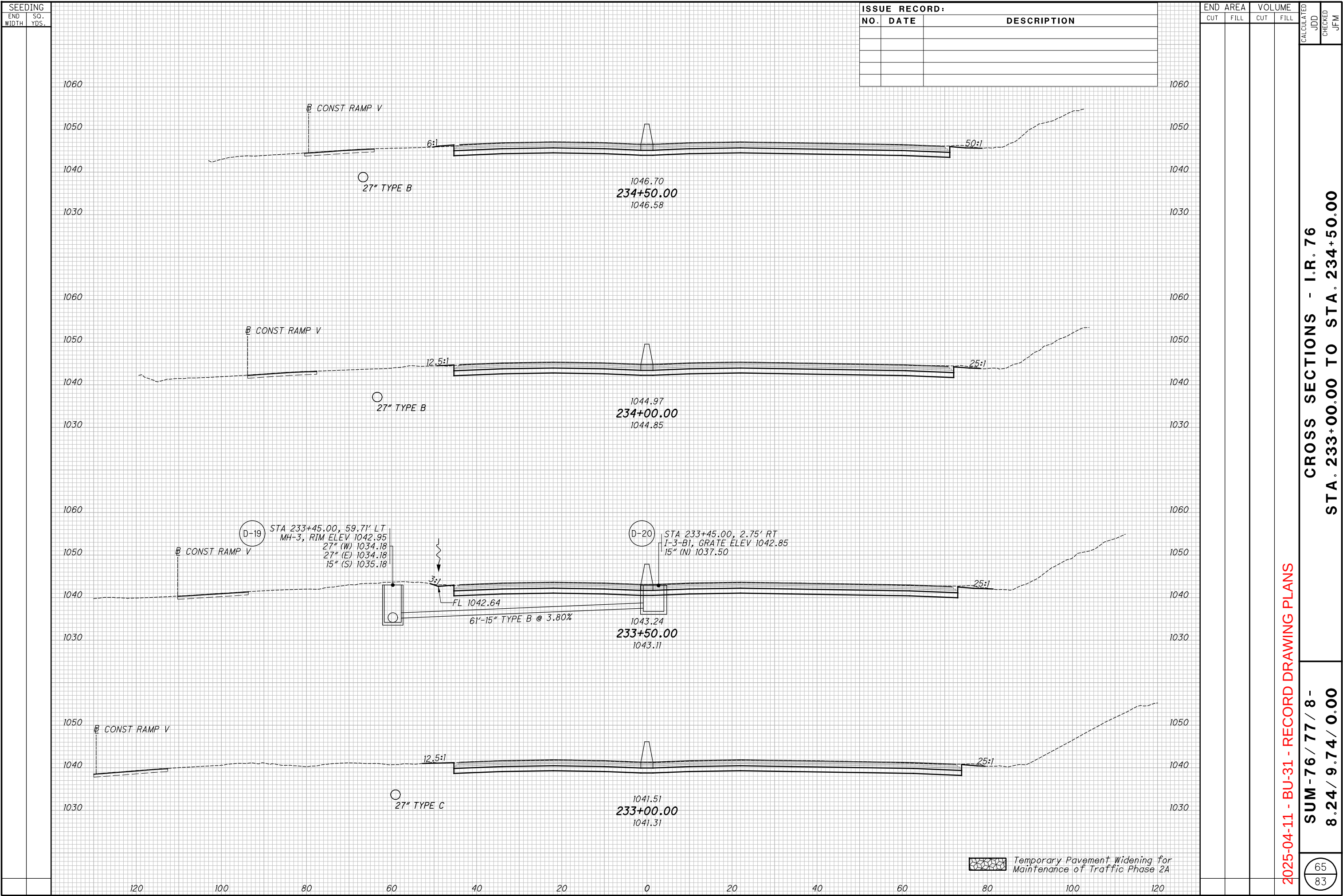


63
83

pw: \\VANACIPWINT01.parsons.com:Ohio State\Documents\0 - Design\02329\Roadway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X5001.dgn-6/25/2021-2:40:33 PM-p003821B



p:\va\va01p\wint01.parsons.com:Ohio State\Documents\010 State\Documents\010 Akron Beltway Rehab\0 - Design\02329\Roadway\Sheets\BU-31_X5001.dgn-6/25/2021-2:40:41 PM-p003821B

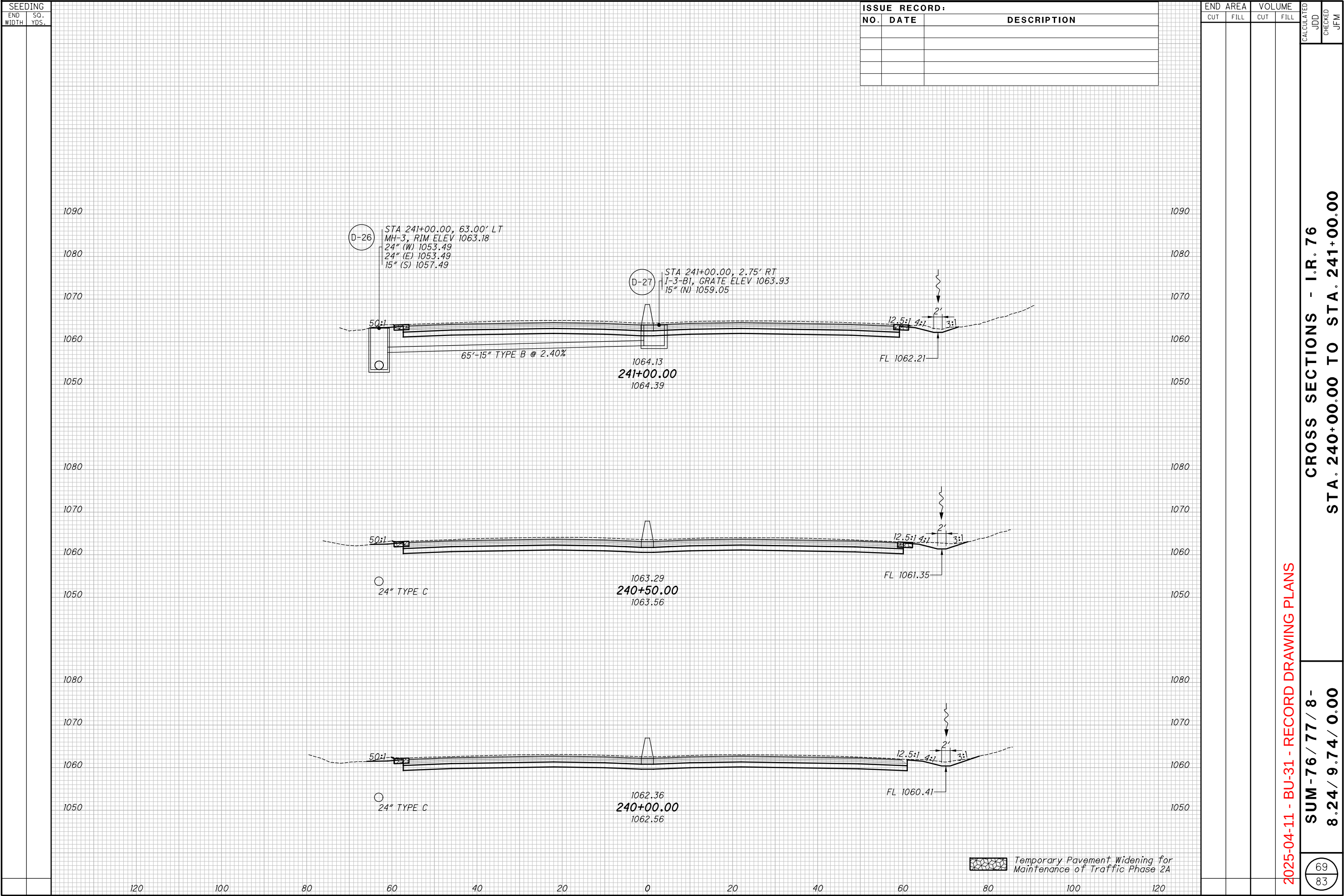




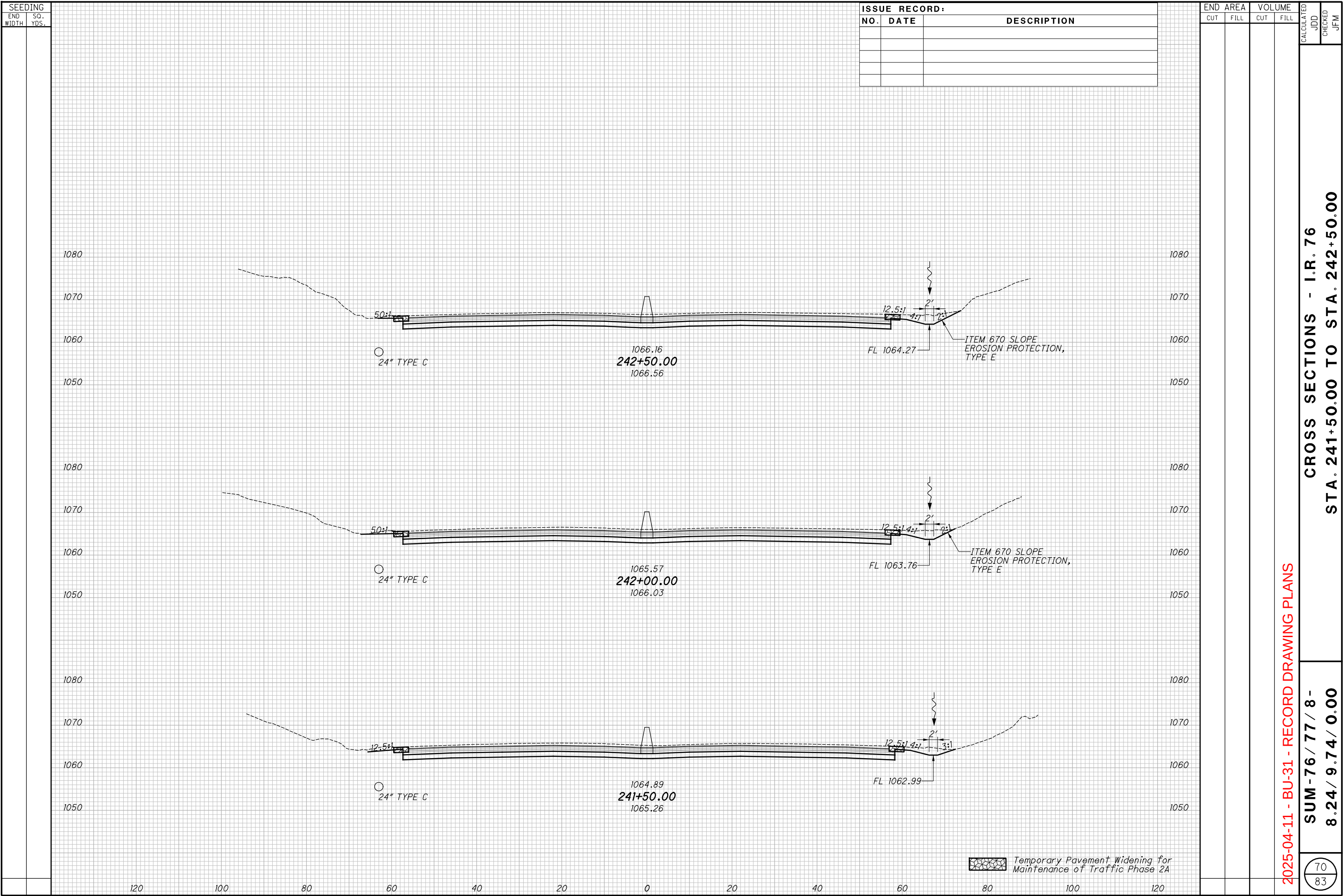
67
83

CROSS SECTIONS - I.R. 76
STA. 238+00.00 TO STA. 239+50.00

pw: \\VANACIPWINT01.parsons.com:Ohio State\Documents\0 - Design\02329\Roadway Rehab\0 - Design\02329\Roadway Sheets\BU-31\X5001.dgn-6/25/2021-2:41:12 PM-p003821B



pw: \\VANACIPWINT01.parsons.com:Ohio State\Documents\010 - Design\02329\Roadway Rehab\0 - Design\02329\Roadway Sheets\BU-31_X5001.dgn-6/25/2021-2:41:19 PM-p003821B



71
83

72
83

CURVE 1 - I.R. 76/77 SUPERELEVATION TABLE (WB/NB)																	
P. I. Station 212+28.23						Dc = 2°00'00''											
REMARKS	LEFT OUTSIDE EDGE OF TRAVEL WAY					LEFT CROWN					LEFT INSIDE EDGE OF TRAVEL WAY					CENTERLINE CONTROL	
	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE (5' LT)
CS/FS	1024.42	256:1	-0.56	-0.0470	12.00	1024.99	437:1	-0.56	-0.0470	12.00	1025.55	1486:1	-0.23	-0.0470	5.00	228+50.18	1025.79
	1025.45	256:1	-0.52	-0.0437	12.00	1025.97	437:1	-0.52	-0.0437	12.00	1026.50	1486:1	-0.22	-0.0437	5.00	228+75.00	1026.71
	1026.48	256:1	-0.48	-0.0403	12.00	1026.96	437:1	-0.48	-0.0403	12.00	1027.45	1486:1	-0.20	-0.0403	5.00	229+00.00	1027.65
	1026.98	256:1	-0.46	-0.0386	12.00	1027.44	437:1	-0.46	-0.0386	12.00	1027.90	1486:1	-0.19	-0.0386	5.00	229+12.90	1028.10
	1027.45	256:1	-0.44	-0.0369	12.00	1027.89	437:1	-0.44	-0.0369	12.00	1028.33	1486:1	-0.18	-0.0369	5.00	229+25.00	1028.52
	1028.41	256:1	-0.40	-0.0336	12.00	1028.81	437:1	-0.40	-0.0336	12.00	1029.21	1486:1	-0.17	-0.0336	5.00	229+50.00	1029.38
	1029.37	256:1	-0.36	-0.0302	12.00	1029.73	437:1	-0.36	-0.0302	12.00	1030.10	1486:1	-0.15	-0.0302	5.00	229+75.00	1030.25
	1030.34	256:1	-0.32	-0.0268	12.00	1030.66	437:1	-0.32	-0.0268	12.00	1030.98	1486:1	-0.13	-0.0268	5.00	230+00.00	1031.11
	1031.30	256:1	-0.28	-0.0235	12.00	1031.58	437:1	-0.28	-0.0235	12.00	1031.86	1486:1	-0.12	-0.0235	5.00	230+25.00	1031.98
	1032.26	256:1	-0.24	-0.0201	12.00	1032.50	437:1	-0.24	-0.0201	12.00	1032.75	1486:1	-0.10	-0.0201	5.00	230+50.00	1032.85
	1033.23	256:1	-0.20	-0.0167	12.00	1033.43	437:1	-0.20	-0.0167	12.00	1033.63	1486:1	-0.08	-0.0167	5.00	230+75.00	1033.71
RC	1033.44		-0.19	-0.0160	12.00	1033.63	256:1	-0.19	-0.0160	12.00	1033.82	871:1	-0.08	-0.0160	5.00	230+80.50	1033.90
	1033.51		-0.19	-0.0160	12.00	1033.70	256:1	-0.19	-0.0156	12.00	1033.89	871:1	-0.08	-0.0156	5.00	230+82.39	1033.97
	1033.84		-0.19	-0.0160	12.00	1034.03	256:1	-0.16	-0.0136	12.00	1034.19	871:1	-0.07	-0.0136	5.00	230+90.86	1034.26
	1034.19		-0.19	-0.0160	12.00	1034.38	256:1	-0.14	-0.0115	12.00	1034.52	871:1	-0.06	-0.0115	5.00	231+00.00	1034.58
	1035.15		-0.19	-0.0160	12.00	1035.35	256:1	-0.07	-0.0058	12.00	1035.42	871:1	-0.03	-0.0058	5.00	231+25.00	1035.44
	1036.12		-0.19	-0.0160	12.00	1036.31	256:1	-0.00	-0.0000	12.00	1036.31	871:1	-0.00	-0.0000	5.00	231+50.00	1036.31
ST/HF	1036.12		-0.19	-0.0160	12.00	1036.32	256:1	0.00	0.0000	12.00	1036.32	871:1	0.00	0.0000	5.00	231+50.18	1036.32
	1037.08		-0.19	-0.0160	12.00	1037.27	256:1	+0.07	+0.0057	12.00	1037.20	871:1	+0.03	+0.0057	5.00	231+75.00	1037.18
	1038.04		-0.19	-0.0160	12.00	1038.24	256:1	+0.14	+0.0114	12.00	1038.10	871:1	+0.06	+0.0114	5.00	232+00.00	1038.04
	1038.41		-0.19	-0.0160	12.00	1038.60	256:1	+0.16	+0.0136	12.00	1038.44	871:1	+0.07	+0.0136	5.00	232+09.50	1038.37
NC	1038.81		-0.19	-0.0160	12.00	1039.00		+0.19	+0.0160	12.00	1038.81	256:1	+0.08	+0.0160	5.00	232+19.86	1038.73
	1039.01		-0.19	-0.0160	12.00	1039.20		+0.19	+0.0160	12.00	1039.01	256:1	+0.10	+0.0200	5.00	232+25.00	1038.91
	1039.97		-0.19	-0.0160	12.00	1040.16		+0.19	+0.0160	12.00	1039.97	256:1	+0.20	+0.0395	5.00	232+50.00	1039.77
	1040.00		-0.19	-0.0160	12.00	1040.19		+0.19	+0.0160	12.00	1040.00		+0.20	+0.0400	5.00	232+50.60	1039.80
	1040.84		-0.19	-0.0160	12.00	1041.03		+0.19	+0.0160	12.00	1040.84		+0.20	+0.0400	5.00	232+75.00	1040.64
	1041.71		-0.19	-0.0160	12.00	1041.90		+0.19	+0.0160	12.00	1041.71		+0.20	+0.0400	5.00	233+00.00	1041.51

ISSUE RECORD:

NO.	DATE	DESCRIPTION

CALCULATED
SGM

CHECKED
GF

2025-04-11 - BU-31 - RECORD DRAWING PLANS

73

83

SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

SUPERELEVATION TABLE - I.R. 76 / I.R. 77

CURVE 1 - I.R. 76/77 SUPERELEVATION TABLE (EB/SB)																	
P. I. Station 212+28.23							Dc = 2°00'00''										
CENTERLINE CONTROL		RIGHT INSIDE EDGE OF TRAVEL WAY					RIGHT CROWN					RIGHT OUTSIDE EDGE OF TRAVEL WAY					REMARKS
STATION	PROFILE GRADE (5' RT)	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	
228+50.18	1025.79	1026.02	1792:1	+0.23	+0.0470	5.00	1026.58	527:1	+0.56	+0.0470	12.00	1027.15	309:1	+0.56	+0.0470	12.00	CS
228+75.00	1026.71	1026.94	1792:1	+0.22	+0.0442	5.00	1027.47	527:1	+0.53	+0.0442	12.00	1028.00	309:1	+0.53	+0.0442	12.00	
229+00.00	1027.65	1027.86	1792:1	+0.21	+0.0414	5.00	1028.35	527:1	+0.50	+0.0414	12.00	1028.85	309:1	+0.50	+0.0414	12.00	
229+12.90	1028.10	1028.30		+0.20	+0.0400	5.00	1028.78	618:1	+0.48	+0.0400	12.00	1029.26	309:1	+0.48	+0.0400	12.00	
229+25.00	1028.52	1028.72		+0.20	+0.0400	5.00	1029.18	618:1	+0.46	+0.0384	12.00	1029.64	309:1	+0.46	+0.0384	12.00	
229+50.00	1029.38	1029.58		+0.20	+0.0400	5.00	1030.00	618:1	+0.42	+0.0350	12.00	1030.42	309:1	+0.42	+0.0350	12.00	
229+75.00	1030.25	1030.45		+0.20	+0.0400	5.00	1030.83	618:1	+0.38	+0.0316	12.00	1031.21	309:1	+0.38	+0.0316	12.00	
230+00.00	1031.11	1031.31		+0.20	+0.0400	5.00	1031.65	618:1	+0.34	+0.0283	12.00	1031.99	309:1	+0.34	+0.0283	12.00	
230+25.00	1031.98	1032.18		+0.20	+0.0400	5.00	1032.48	618:1	+0.30	+0.0249	12.00	1032.78	309:1	+0.30	+0.0249	12.00	
230+50.00	1032.85	1033.05		+0.20	+0.0400	5.00	1033.30	618:1	+0.26	+0.0215	12.00	1033.56	309:1	+0.26	+0.0215	12.00	
230+75.00	1033.71	1033.91		+0.20	+0.0400	5.00	1034.13	618:1	+0.22	+0.0181	12.00	1034.35	309:1	+0.22	+0.0181	12.00	
230+80.50	1033.90	1034.10		+0.20	+0.0400	5.00	1034.31	618:1	+0.21	+0.0174	12.00	1034.52	309:1	+0.21	+0.0174	12.00	
230+82.39	1033.97	1034.17		+0.20	+0.0400	5.00	1034.37	618:1	+0.21	+0.0171	12.00	1034.58	309:1	+0.21	+0.0171	12.00	
230+90.86	1034.26	1034.46		+0.20	+0.0400	5.00	1034.65		+0.19	+0.0160	12.00	1034.85	309:1	+0.19	+0.0160	12.00	RC
231+00.00	1034.58	1034.78		+0.20	+0.0400	5.00	1034.97		+0.19	+0.0160	12.00	1035.13	309:1	+0.16	+0.0135	12.00	
231+25.00	1035.44	1035.64		+0.20	+0.0400	5.00	1035.84		+0.19	+0.0160	12.00	1035.92	309:1	+0.08	+0.0068	12.00	
231+50.00	1036.31	1036.51		+0.20	+0.0400	5.00	1036.70		+0.19	+0.0160	12.00	1036.70	309:1	+0.00	+0.0000	12.00	
231+50.18	1036.32	1036.52		+0.20	+0.0400	5.00	1036.71		+0.19	+0.0160	12.00	1036.71	309:1	0.00	0.0000	12.00	ST/HF
231+75.00	1037.18	1037.38		+0.20	+0.0400	5.00	1037.57		+0.19	+0.0160	12.00	1037.49	309:1	-0.08	-0.0067	12.00	
232+00.00	1038.04	1038.24		+0.20	+0.0400	5.00	1038.43		+0.19	+0.0160	12.00	1038.27	309:1	-0.16	-0.0134	12.00	
232+09.50	1038.37	1038.57		+0.20	+0.0400	5.00	1038.76		+0.19	+0.0160	12.00	1038.57		-0.19	-0.0160	12.00	NC
232+19.86	1038.73	1038.93		+0.20	+0.0400	5.00	1039.12		+0.19	+0.0160	12.00	1038.93		-0.19	-0.0160	12.00	
232+25.00	1038.91	1039.11		+0.20	+0.0400	5.00	1039.30		+0.19	+0.0160	12.00	1039.11		-0.19	-0.0160	12.00	
232+50.00	1039.77	1039.97		+0.20	+0.0400	5.00	1040.17		+0.19	+0.0160	12.00	1039.97		-0.19	-0.0160	12.00	
232+50.60	1039.80	1040.00		+0.20	+0.0400	5.00	1040.19		+0.19	+0.0160	12.00	1040.00		-0.19	-0.0160	12.00	
232+75.00	1040.64	1040.84		+0.20	+0.0400	5.00	1041.03		+0.19	+0.0160	12.00	1040.84		-0.19	-0.0160	12.00	
233+00.00	1041.51	1041.71		+0.20	+0.0400	5.00	1041.90		+0.19	+0.0160	12.00	1041.71		-0.19	-0.0160	12.00	

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CURVE 18 - I.R. 76 SUPERELEVATION TABLE (WB)																	
P. I. Station 252+01.26						Dc = 1°15'03''											
REMARKS	LEFT OUTSIDE EDGE OF TRAVEL WAY					LEFT CROWN					LEFT INSIDE EDGE OF TRAVEL WAY					CENTERLINE CONTROL	
	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE (5' LT)
	1066.17		-0.38	-0.0160	24.00	1066.5505		+0.19	+0.0160	12.00	1066.36		+0.20	+0.0400	5.00	242+50.00	1066.16
	1066.38		-0.38	-0.0160	24.00	1066.7642		+0.19	+0.0160	12.00	1066.57		+0.20	+0.0400	5.00	242+70.14	1066.37
	1066.43		-0.38	-0.0160	24.00	1066.8137		+0.19	+0.0160	12.00	1066.62		+0.20	+0.0400	5.00	242+75.00	1066.42
	1066.67		-0.38	-0.0160	24.00	1067.0555		+0.19	+0.0160	12.00	1066.86		+0.20	+0.0400	5.00	243+00.00	1066.66
	1066.89		-0.38	-0.0160	24.00	1067.2761		+0.19	+0.0160	12.00	1067.08		+0.20	+0.0400	5.00	243+25.00	1066.88
	1067.09		-0.38	-0.0160	24.00	1067.4755		+0.19	+0.0160	12.00	1067.28		+0.20	+0.0400	5.00	243+50.00	1067.08
NC	1067.13		-0.38	-0.0160	24.00	1067.5157	222:1	+0.19	+0.0160	12.00	1067.32		+0.20	+0.0400	5.00	243+55.38	1067.12
	1067.18		-0.38	-0.0160	24.00	1067.5653	222:1	+0.10	+0.0086	12.00	1067.46		+0.20	+0.0400	5.00	243+75.00	1067.26
HF	1067.22		-0.38	-0.0160	24.00	1067.6069	222:1	+0.00	0.0000	12.00	1067.61		+0.20	+0.0400	5.00	243+98.01	1067.41
	1067.23		-0.38	-0.0160	24.00	1067.6096	222:1	-0.01	-0.0007	12.00	1067.62		+0.20	+0.0400	5.00	244+00.00	1067.42
	1067.25		-0.38	-0.0160	24.00	1067.6326	222:1	-0.12	-0.0101	12.00	1067.75		+0.20	+0.0400	5.00	244+25.00	1067.55
RC	1067.25	222:1	-0.38	-0.0160	24.00	1067.6362	666:1	-0.19	-0.0160	12.00	1067.83		+0.20	+0.0400	5.00	244+40.63	1067.63
	1067.25	222:1	-0.41	-0.0172	24.00	1067.6625	666:1	-0.21	-0.0172	12.00	1067.87		+0.20	+0.0400	5.00	244+50.00	1067.67
END BU-31	1067.25	222:1	-0.43	-0.0177	24.00	1067.6738	666:1	-0.21	-0.0177	12.00	1067.89		+0.20	+0.0400	5.00	244+54.39	1067.69
	1067.23	222:1	-0.49	-0.0203	24.00	1067.7181	666:1	-0.24	-0.0203	12.00	1067.96		+0.20	+0.0400	5.00	244+75.00	1067.76
PC	1067.21	222:1	-0.54	-0.0224	24.00	1067.7436	666:1	-0.27	-0.0224	12.00	1068.01		+0.20	+0.0400	5.00	244+91.78	1067.81
	1067.19	222:1	-0.56	-0.0234	24.00	1067.7525	666:1	-0.28	-0.0234	12.00	1068.03		+0.20	+0.0400	5.00	245+00.00	1067.83
	1067.13	222:1	-0.64	-0.0266	24.00	1067.7657	666:1	-0.32	-0.0266	12.00	1068.08		+0.20	+0.0400	5.00	245+25.00	1067.88
	1067.05	222:1	-0.71	-0.0297	24.00	1067.7575	666:1	-0.36	-0.0297	12.00	1068.11		+0.20	+0.0400	5.00	245+50.00	1067.91
	1067.04	222:1	-0.72	-0.0300	24.00	1067.7555	535:1	-0.36	-0.0300	12.00	1068.12	1820:1	+0.20	+0.0400	5.00	245+52.52	1067.92
	1066.97	222:1	-0.76	-0.0318	24.00	1067.7320	535:1	-0.38	-0.0318	12.00	1068.11	1820:1	+0.19	+0.0382	5.00	245+68.50	1067.92
FS	1066.96		-0.77	-0.0320	24.00	1067.7280		-0.38	-0.0320	12.00	1068.11		+0.19	+0.0380	5.00	245+70.72	1067.92

ISSUE RECORD:

NO.	DATE	DESCRIPTION

CALCULATED
SGM

CHECKED
GF

2025-04-11 - BU-31 - RECORD DRAWING PLANS

75
83

SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

SUPERELEVATION TABLE - I.R. 76 / I.R. 77

CURVE 18 - I.R. 76 SUPERELEVATION TABLE (EB)																	
P. I. Station 252+01.26									Dc = 1°15'03''								
CENTERLINE CONTROL		RIGHT INSIDE EDGE OF TRAVEL WAY					RIGHT CROWN					RIGHT OUTSIDE EDGE OF TRAVEL WAY					REMARKS
STATION	PROFILE GRADE (5' RT)	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	
242+50.00	1066.16	1066.36		+0.20	+0.0400	5.00	1066.55		+0.19	+0.0160	12.00	1066.17		-0.38	-0.0160	24.00	
242+70.14	1066.37	1066.57		+0.20	+0.0400	5.00	1066.76		+0.19	+0.0160	12.00	1066.38	222:1	-0.38	-0.0160	24.00	NC
242+75.00	1066.42	1066.62		+0.20	+0.0400	5.00	1066.81		+0.19	+0.0160	12.00	1066.45	222:1	-0.36	-0.0151	24.00	
243+00.00	1066.66	1066.86		+0.20	+0.0400	5.00	1067.06		+0.19	+0.0160	12.00	1066.81	222:1	-0.25	-0.0104	24.00	
243+25.00	1066.88	1067.08		+0.20	+0.0400	5.00	1067.28		+0.19	+0.0160	12.00	1067.14	222:1	-0.14	-0.0057	24.00	
243+50.00	1067.08	1067.28		+0.20	+0.0400	5.00	1067.48		+0.19	+0.0160	12.00	1067.45	222:1	-0.02	-0.0010	24.00	
243+55.38	1067.12	1067.32		+0.20	+0.0400	5.00	1067.52		+0.19	+0.0160	12.00	1067.52	222:1	0.00	0.0000	24.00	HF
243+75.00	1067.26	1067.46		+0.20	+0.0400	5.00	1067.65		+0.19	+0.0160	12.00	1067.74	222:1	+0.09	+0.0037	24.00	
243+98.01	1067.41	1067.61		+0.20	+0.0400	5.00	1067.80		+0.19	+0.0160	12.00	1067.99	222:1	+0.19	+0.0080	24.00	
244+00.00	1067.42	1067.62		+0.20	+0.0400	5.00	1067.81		+0.19	+0.0160	12.00	1068.01	222:1	+0.20	+0.0084	24.00	
244+25.00	1067.55	1067.75		+0.20	+0.0400	5.00	1067.95		+0.19	+0.0160	12.00	1068.26	222:1	+0.31	+0.0131	24.00	
244+40.63	1067.63	1067.83		+0.20	+0.0400	5.00	1068.02	666:1	+0.19	+0.0160	12.00	1068.40	222:1	+0.38	+0.0160	24.00	RC
244+50.00	1067.67	1067.87		+0.20	+0.0400	5.00	1068.07	666:1	+0.21	+0.0172	12.00	1068.49	222:1	+0.41	+0.0172	24.00	
244+54.39	1067.69	1067.89		+0.20	+0.0400	5.00	1068.10	666:1	+0.21	+0.0177	12.00	1068.52	222:1	+0.43	+0.0177	24.00	END BU-31
244+75.00	1067.76	1067.96		+0.20	+0.0400	5.00	1068.21	666:1	+0.24	+0.0203	12.00	1068.69	222:1	+0.49	+0.0203	24.00	
244+91.78	1067.81	1068.01		+0.20	+0.0400	5.00	1068.28	666:1	+0.27	+0.0224	12.00	1068.82	222:1	+0.54	+0.0224	24.00	PC
245+00.00	1067.83	1068.03		+0.20	+0.0400	5.00	1068.31	666:1	+0.28	+0.0234	12.00	1068.88	222:1	+0.56	+0.0234	24.00	
245+25.00	1067.88	1068.08		+0.20	+0.0400	5.00	1068.40	666:1	+0.32	+0.0266	12.00	1069.04	222:1	+0.64	+0.0266	24.00	
245+50.00	1067.91	1068.11		+0.20	+0.0400	5.00	1068.47	666:1	+0.36	+0.0297	12.00	1069.18	222:1	+0.71	+0.0297	24.00	
245+52.52	1067.92	1068.12		+0.20	+0.0400	5.00	1068.48	666:1	+0.36	+0.0300	12.00	1069.20	222:1	+0.72	+0.0300	24.00	
245+68.50	1067.92	1068.12		+0.20	+0.0400	5.00	1068.51		+0.38	+0.0320	12.00	1069.27		+0.77	+0.0320	24.00	FS
245+70.72	1067.92	1068.12		+0.20	+0.0400	5.00	1068.51		+0.38	+0.0320	12.00	1069.27		+0.77	+0.0320	24.00	

ISSUE RECORD:

NO.	DATE	DESCRIPTION

2025-04-11 - BU-31 - RECORD DRAWING PLANS

76
83

SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

SUPERELEVATION TABLE - I.R. 76

CALCULATED
SGM

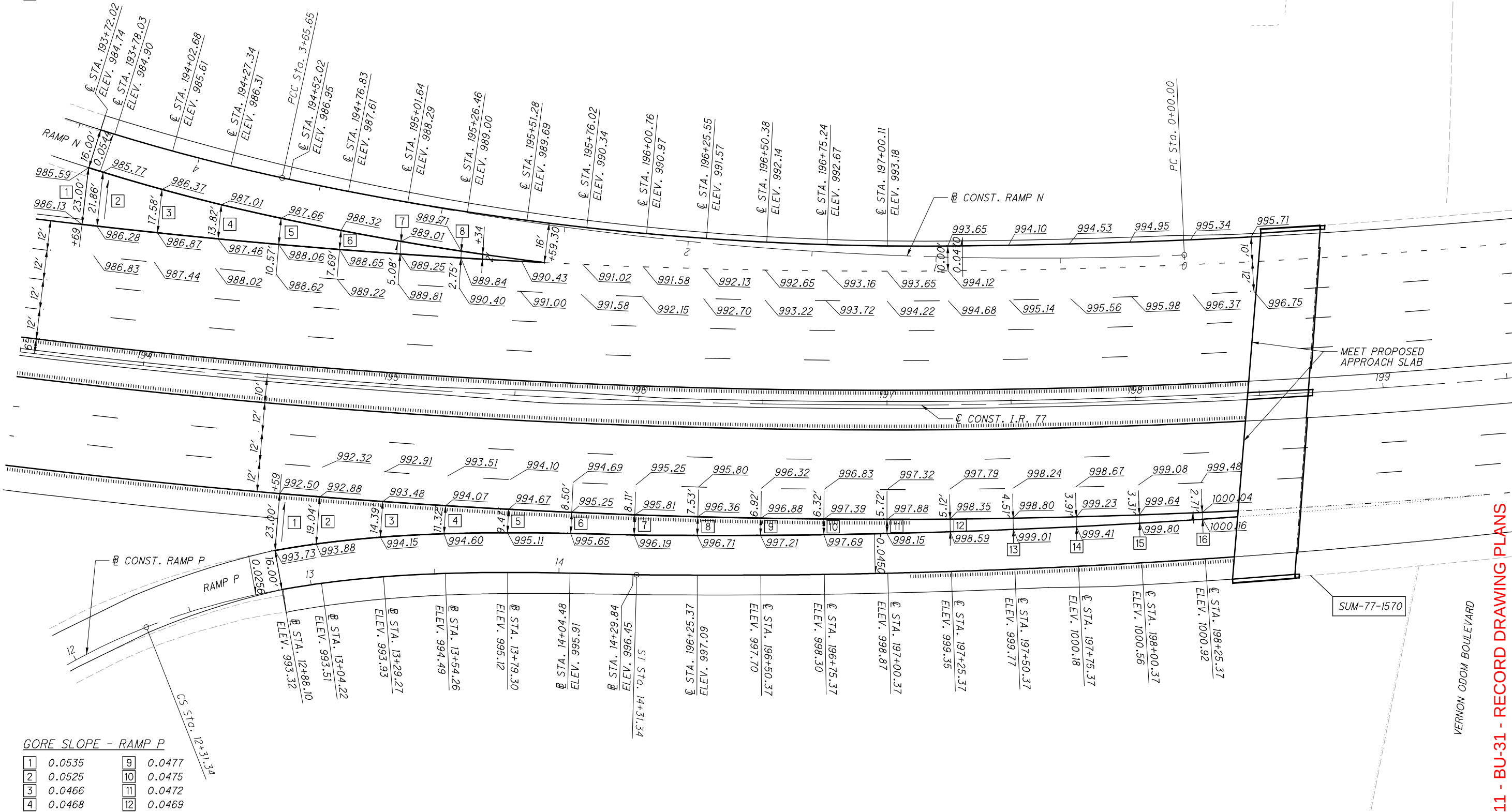
CHECKED
GF

GORE SLOPE - RAMP N

1	0.0235
2	0.0233
3	0.0284
4	0.0326
5	0.0378
6	0.0429
7	0.0472
8	0.0473

GORE SLOPE - RAMP P

1	0.0535	9	0.0477
2	0.0525	10	0.0475
3	0.0466	11	0.0472
4	0.0468	12	0.0469
5	0.0465	13	0.0466
6	0.0471	14	0.0460
7	0.0469	15	0.0483
8	0.0465	16	0.0443



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GF

CHECKED
JDD

0 10 20 40

HORIZONTAL
SCALE IN FEET

RAMP TERMINAL DETAIL

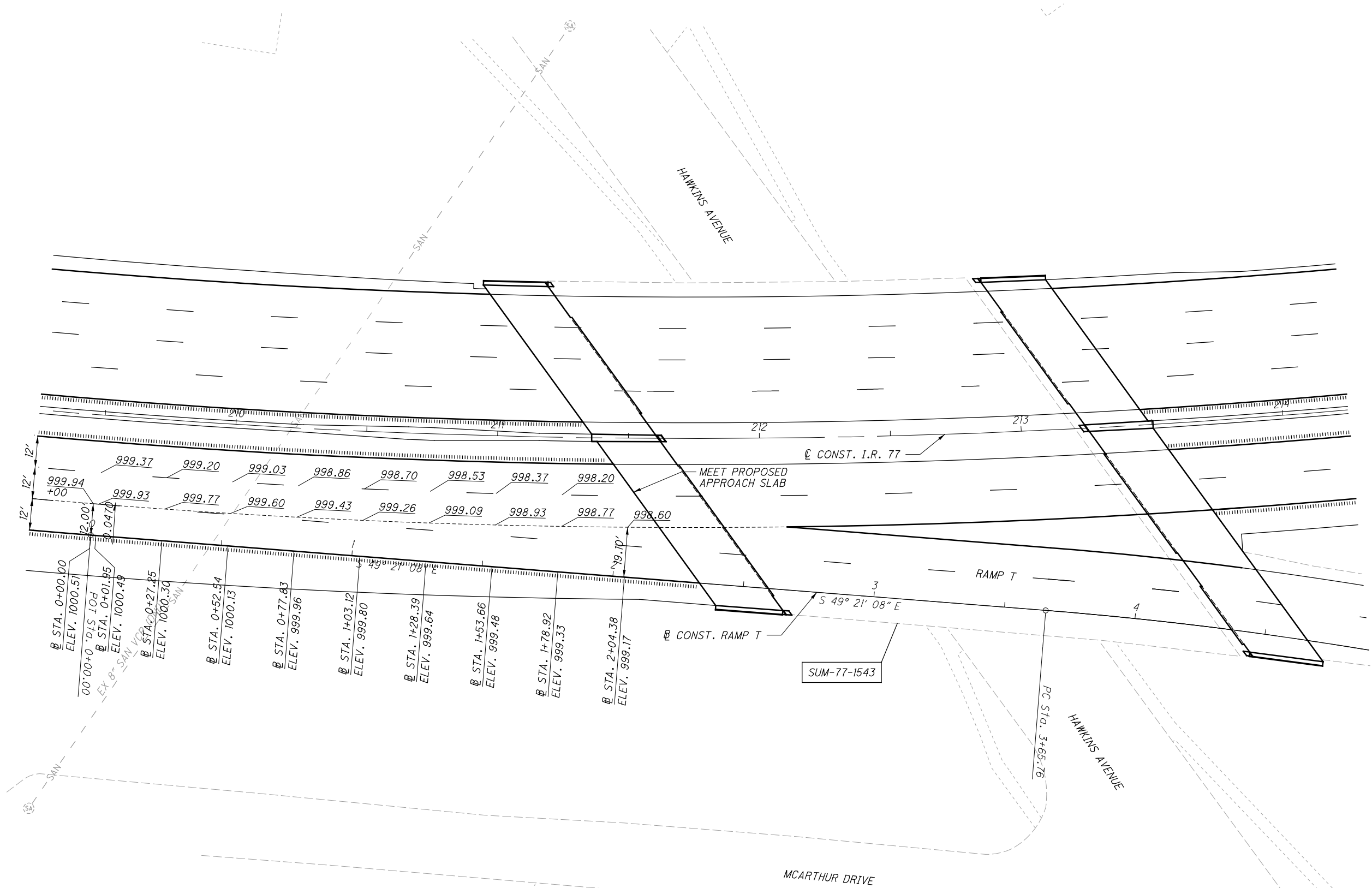
RAMP N & RAMP P AT VERNON ODOM BLVD.

SUM-76 / 77 - 8 -

8.24 / 9.74 0.00

77

83



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GF

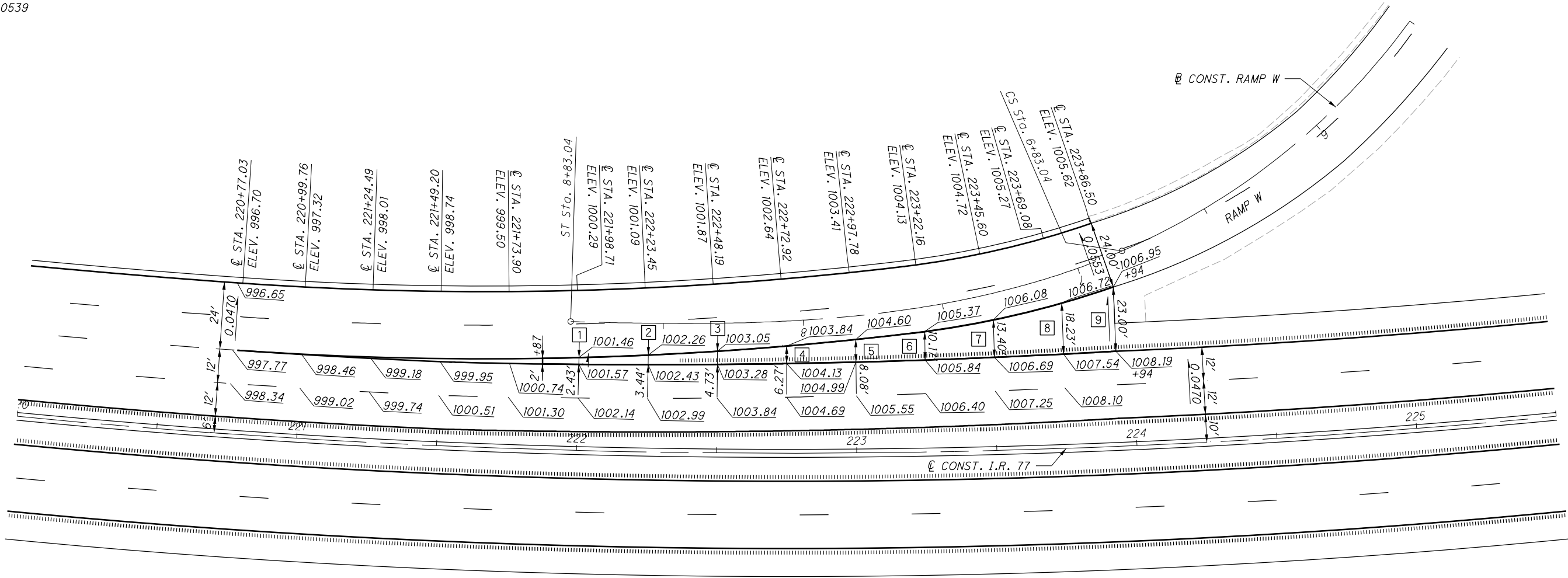
CHECKED
JDD

0 20 40
HORIZONTAL
SCALE IN FEET

GORE SLOPE - RAMP W

1	0.0453
2	0.0494
3	0.0486
4	0.0463
5	0.0483
6	0.0462
7	0.0455
8	0.0450
9	0.0539

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.

2025-04-11 - BU-31 - RECORD DRAWING PLANS

SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

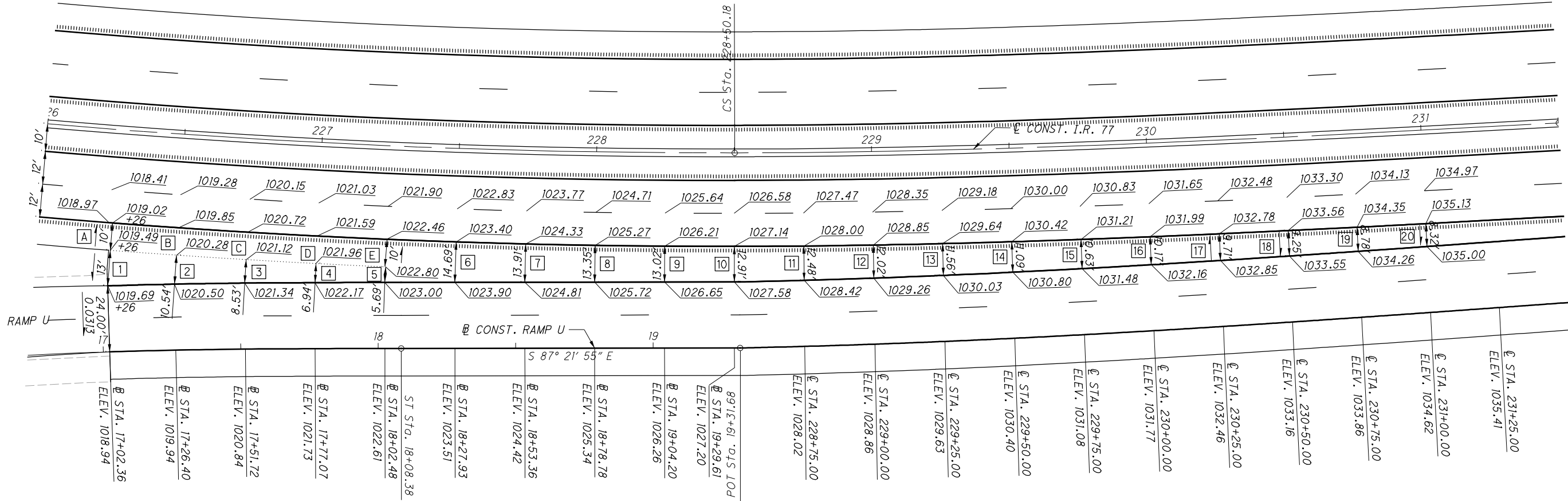
RAMP TERMINAL DETAIL
RAMP W AT I.R. 76

CALCULATED
GF
CHECKED
JDD



GORE SLOPE - RAMP U

1	0.0154	11	0.0329	A	0.0470
2	0.0209	12	0.0324	B	0.0430
3	0.0258	13	0.0320	C	0.0400
4	0.0303	14	0.0325	D	0.0370
5	0.0351	15	0.0245	E	0.0340
6	0.0340	16	0.0157		
7	0.0345	17	0.0072		
8	0.0337	18	0.0011		
9	0.0338	19	0.0103		
10	0.0341	20	0.0156		



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.

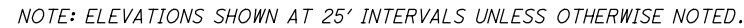
ISSUE RECORD:

NO.	DATE	DESCRIPTION

CALCULATED	GF
CHECKED	JDD



1	0.0439
2	0.0418
3	0.0391
4	0.0368
5	0.0339
6	0.0320
7	0.0290

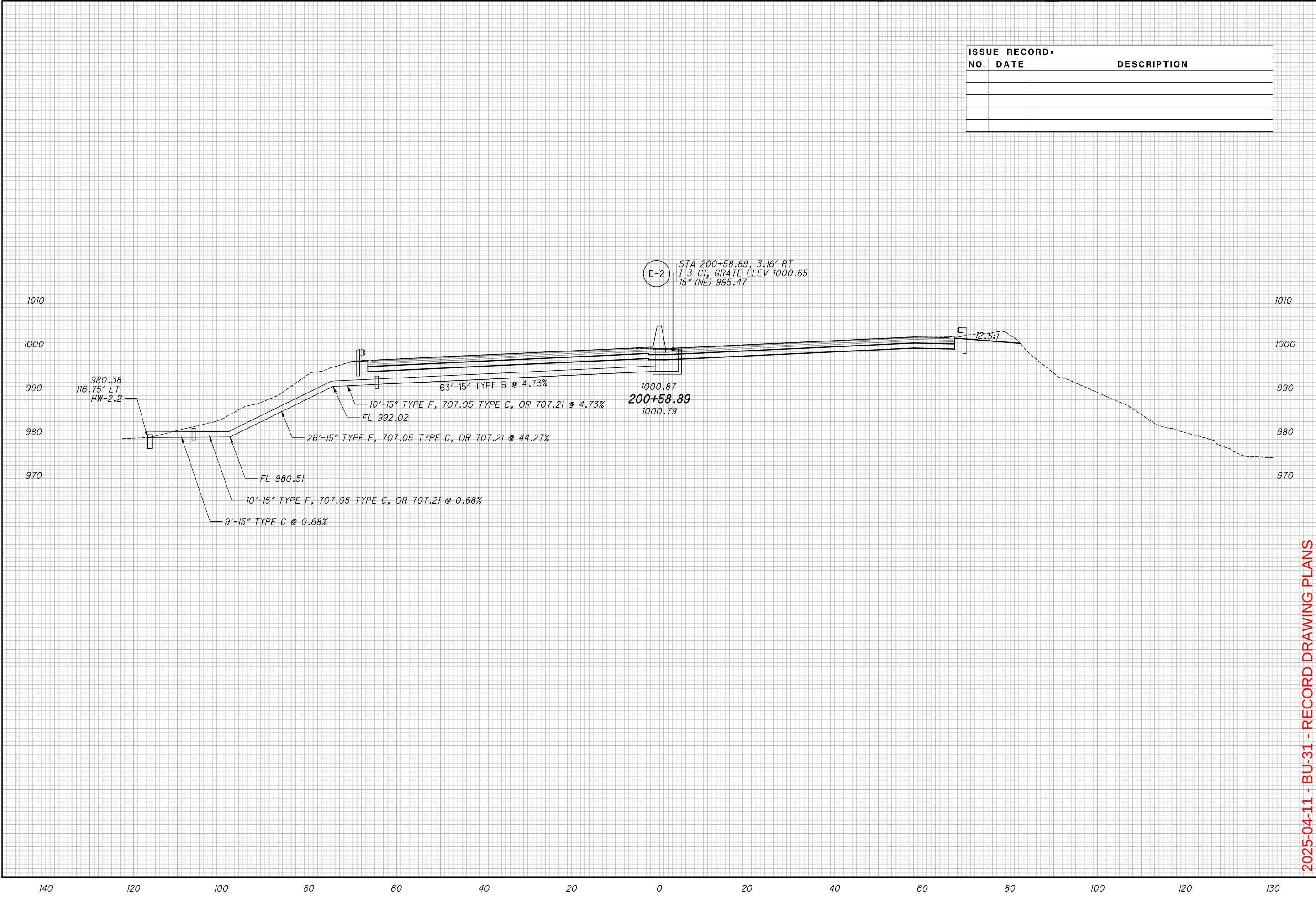


CALCULATED	
GF	
CHECKED	
ADD	



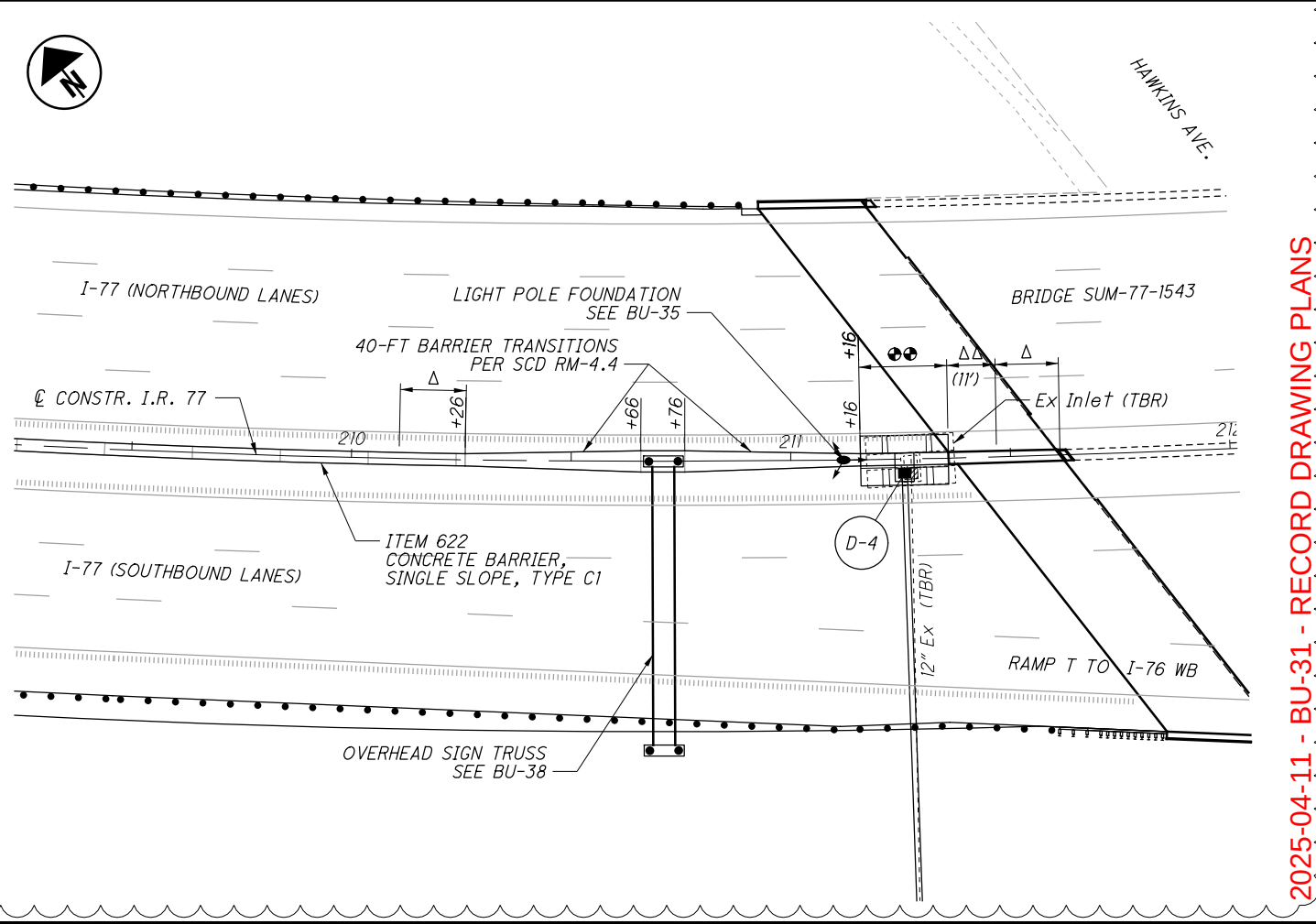
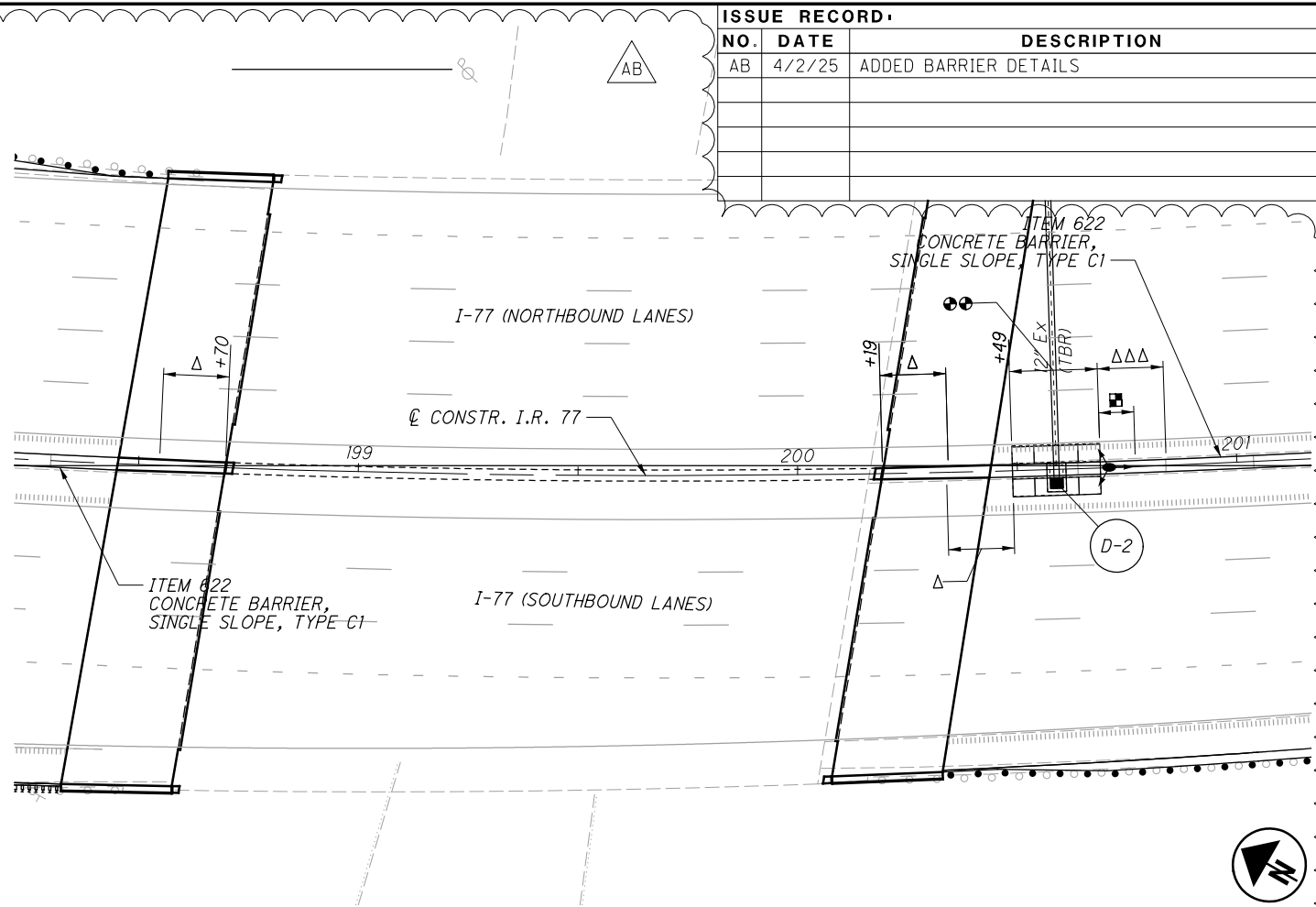
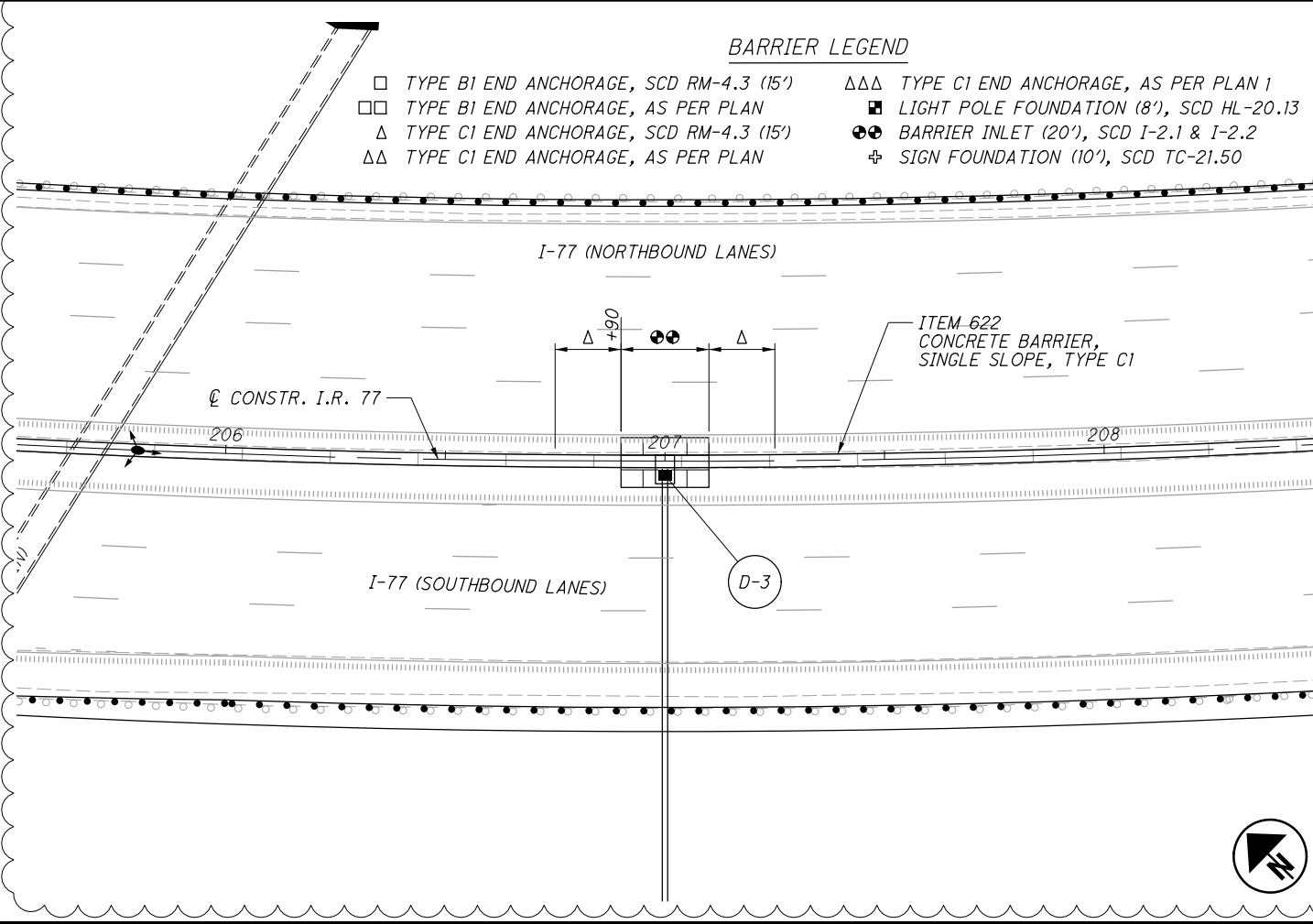
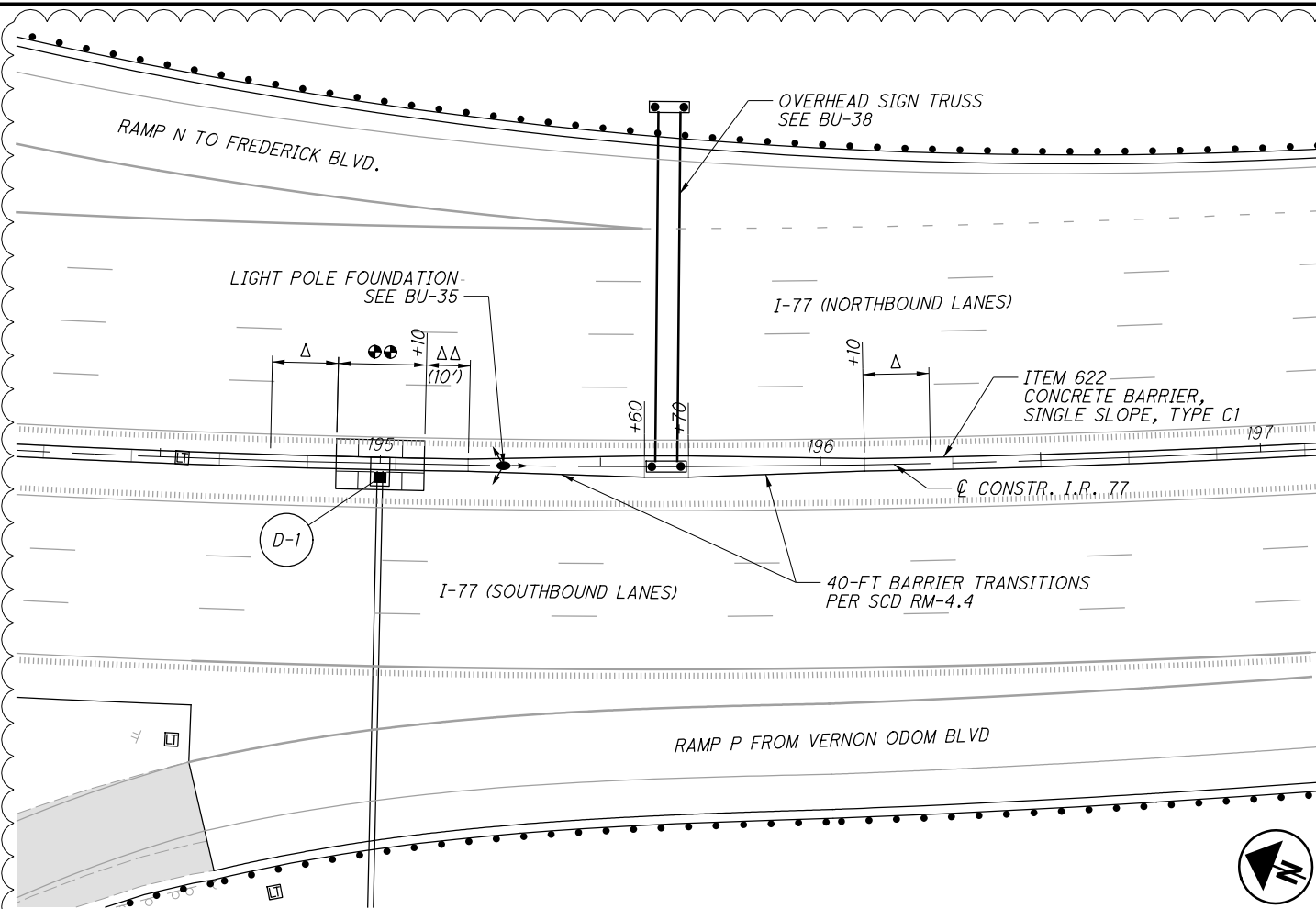
2025-04-11 - BU-31 - RECORD DRAWING PLANS

**SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00**

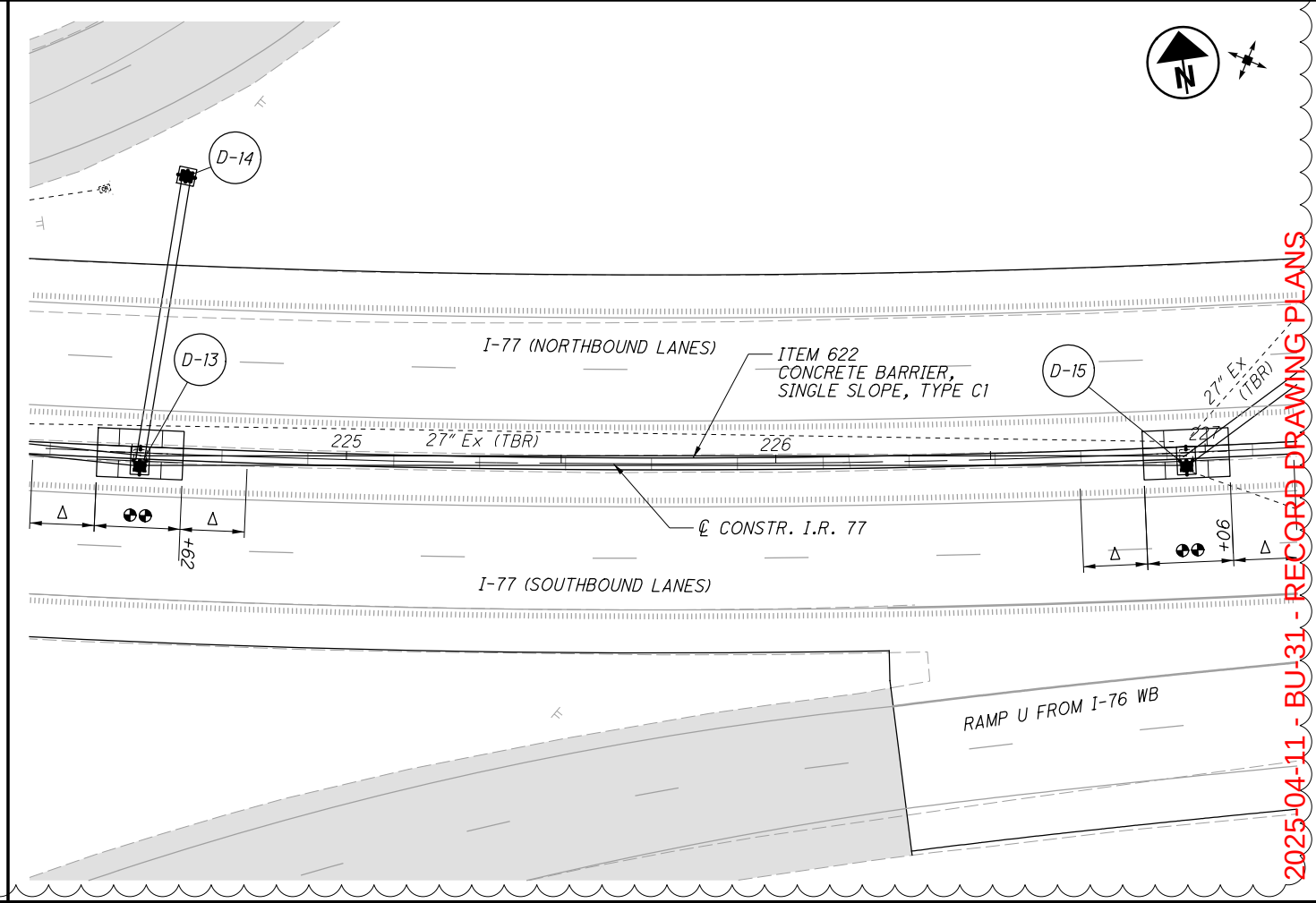
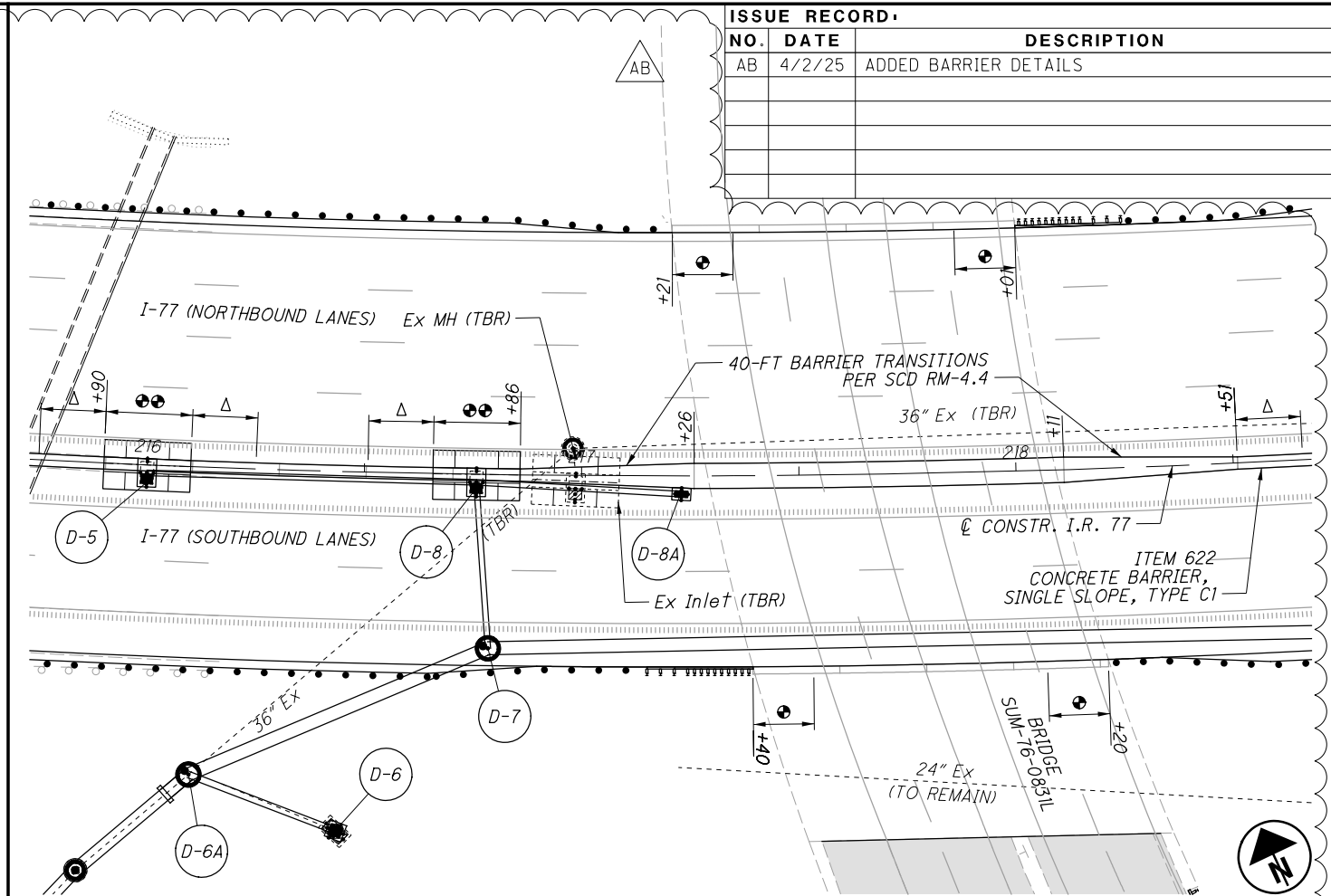
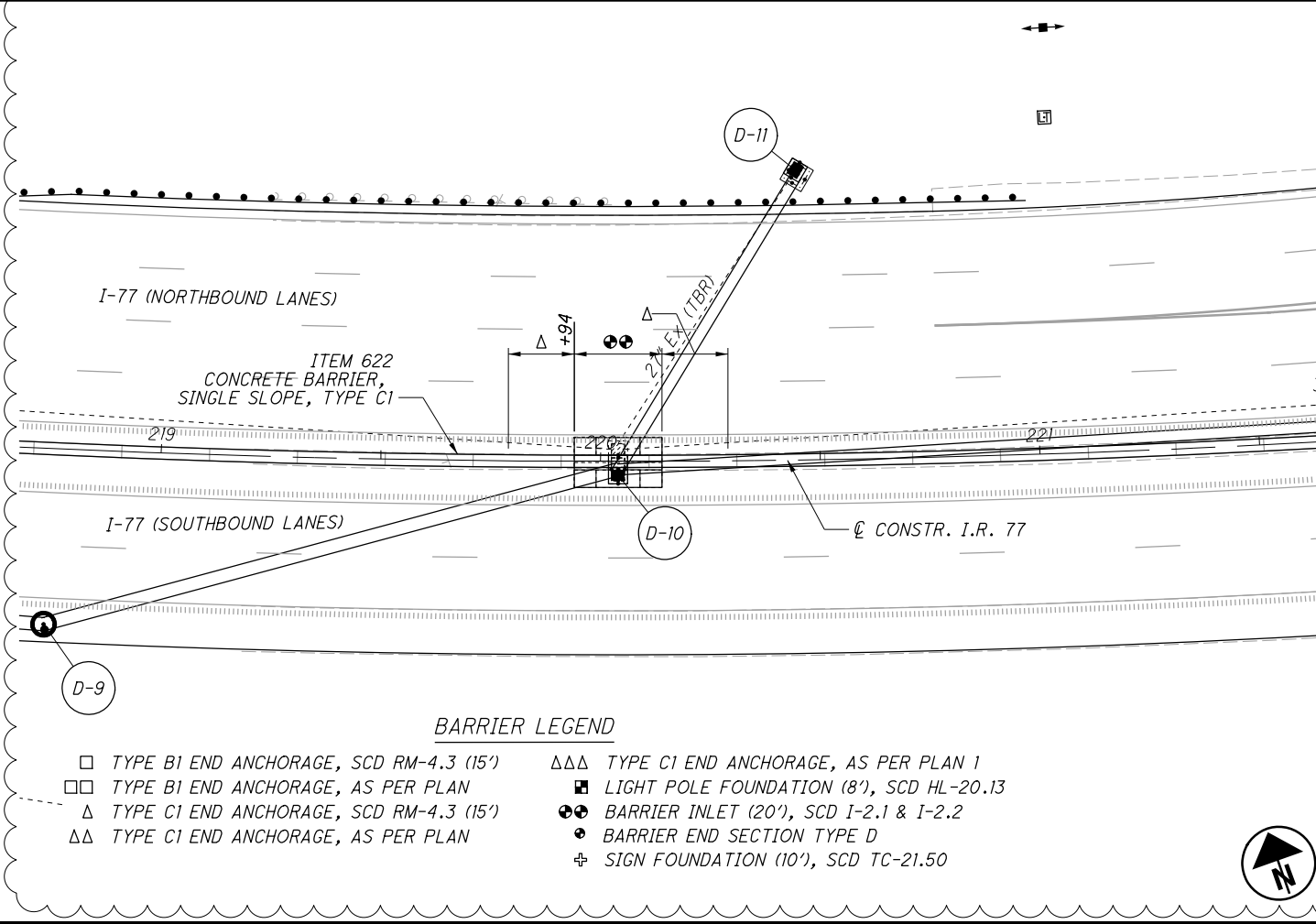
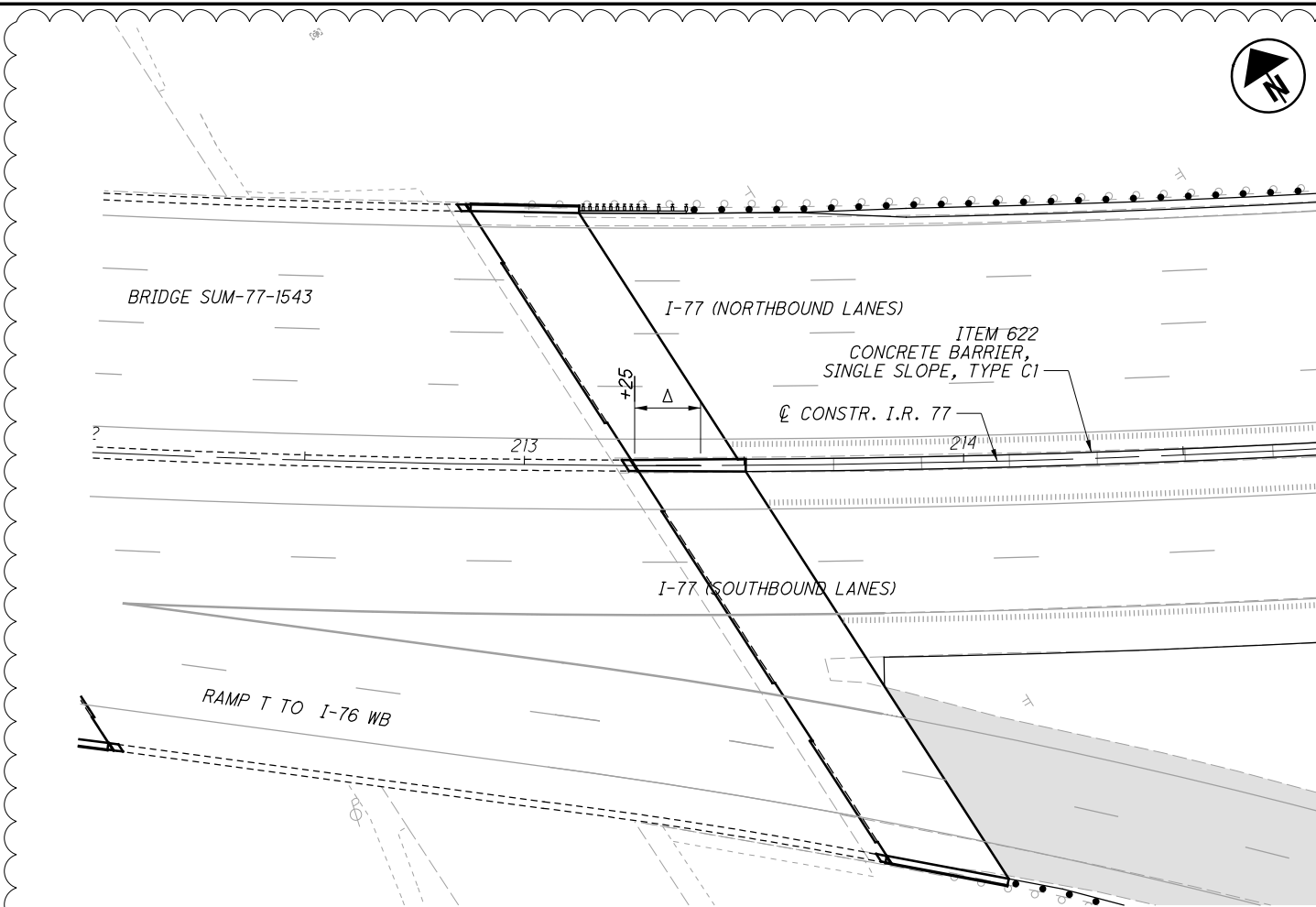


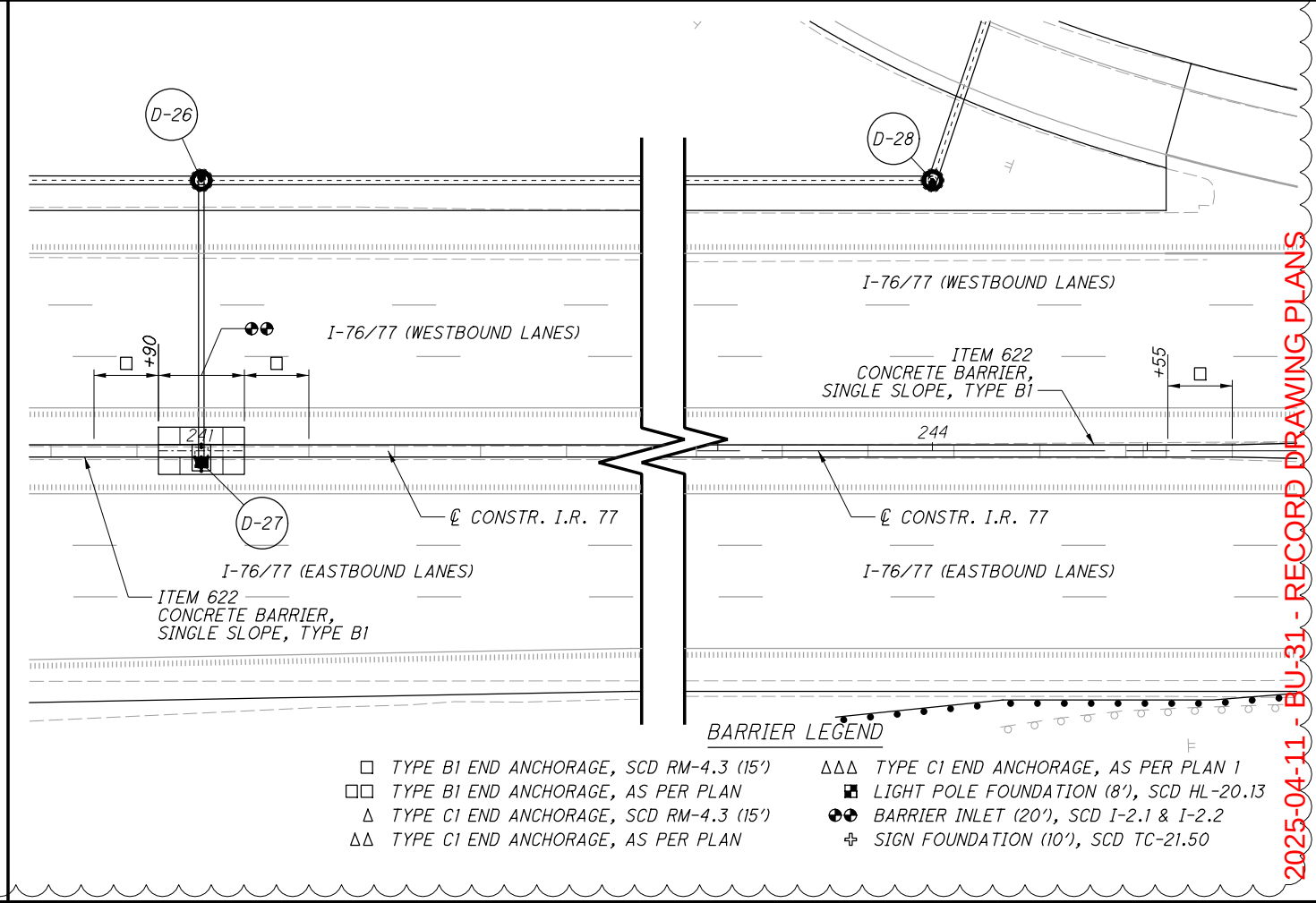
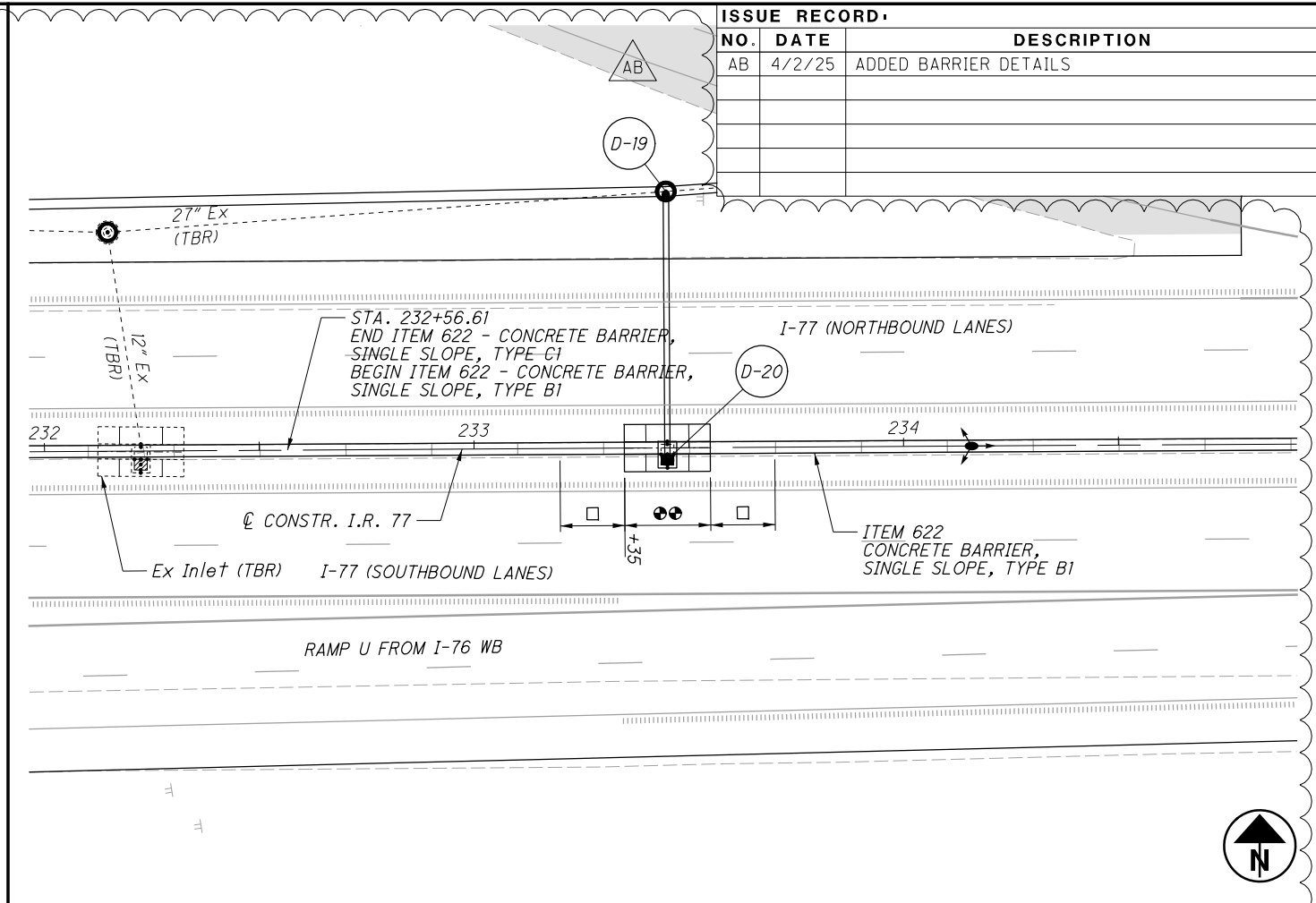
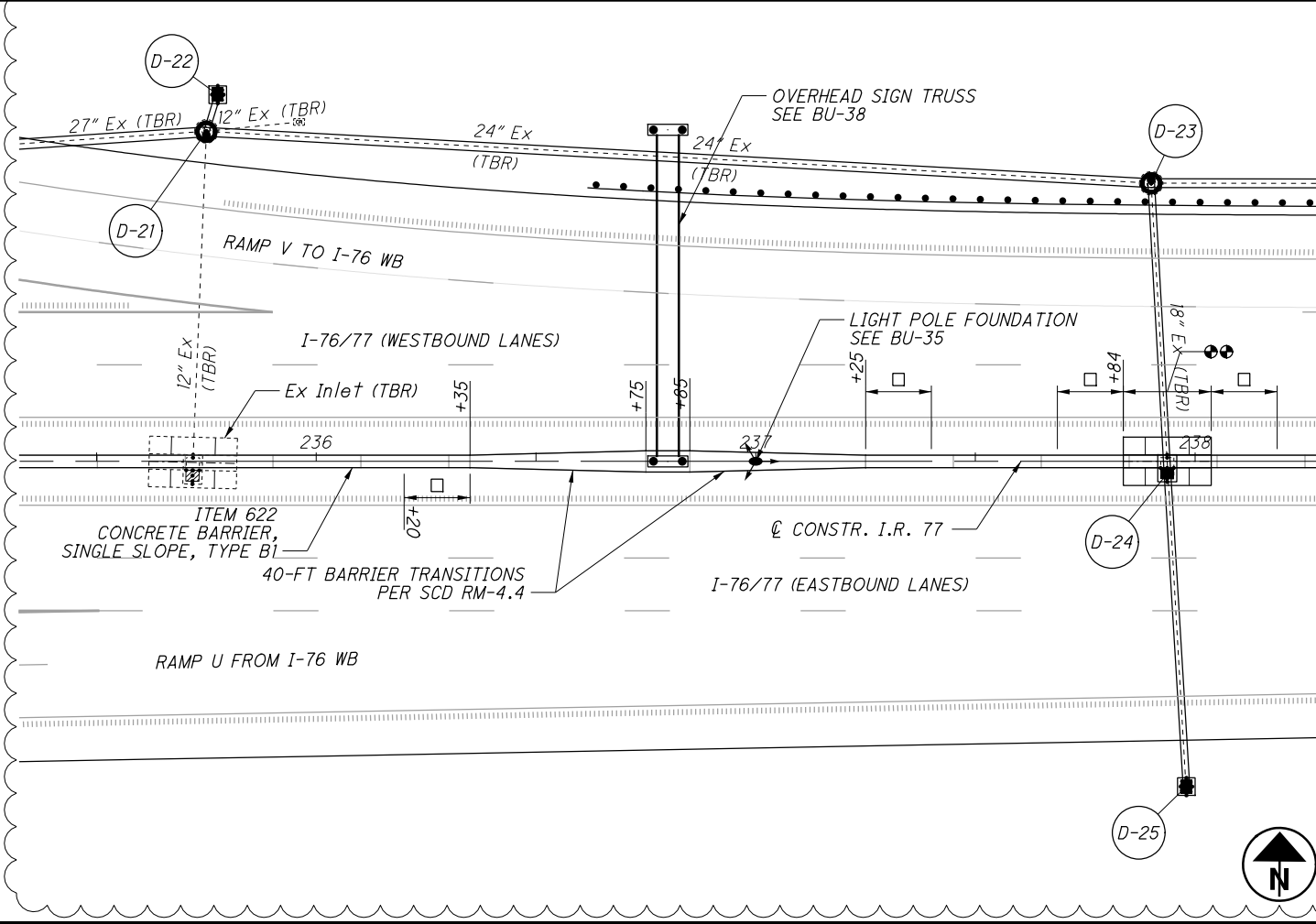
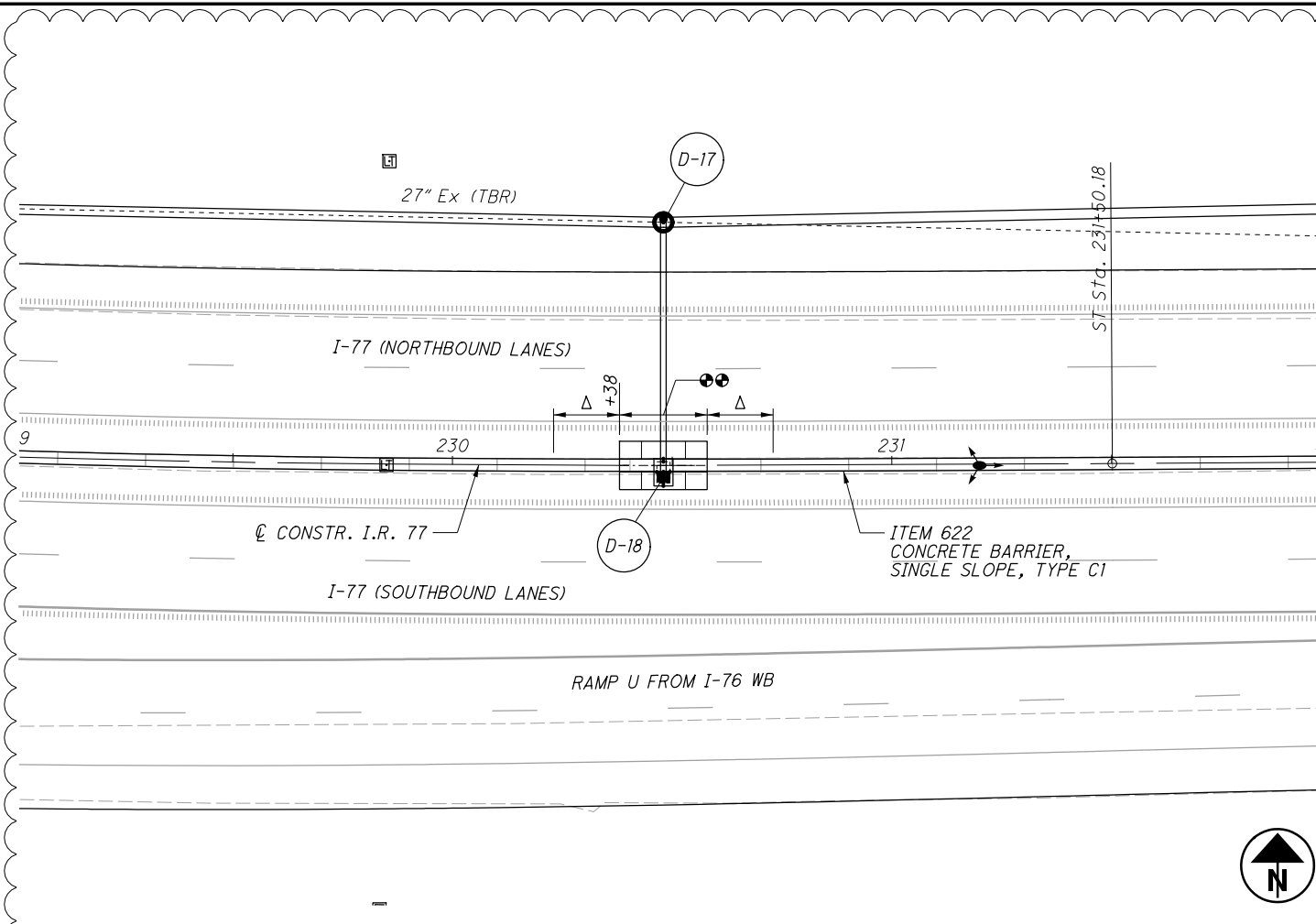
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

2025-04-11 - BU-31 - RECORD DRAWING PLANS



ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	4/2/25	ADDED BARRIER DETAILS

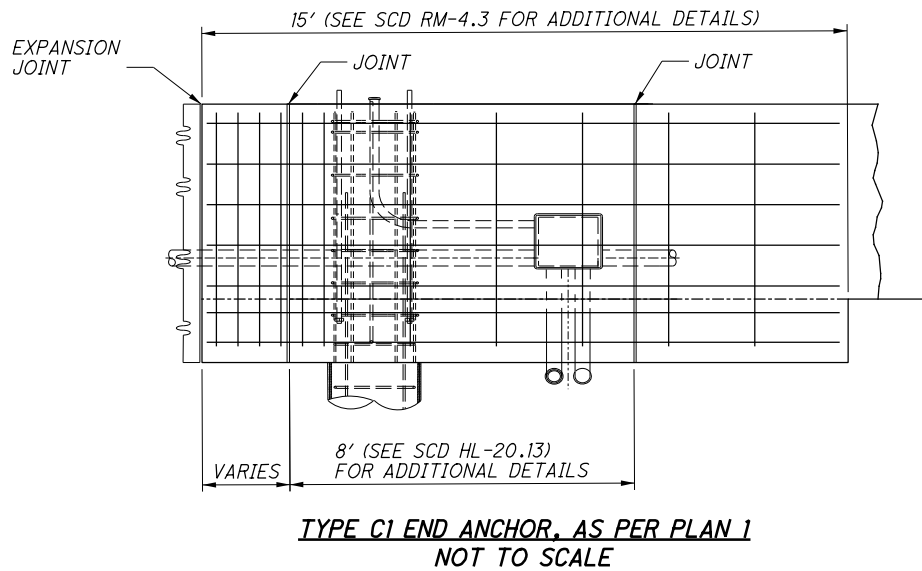
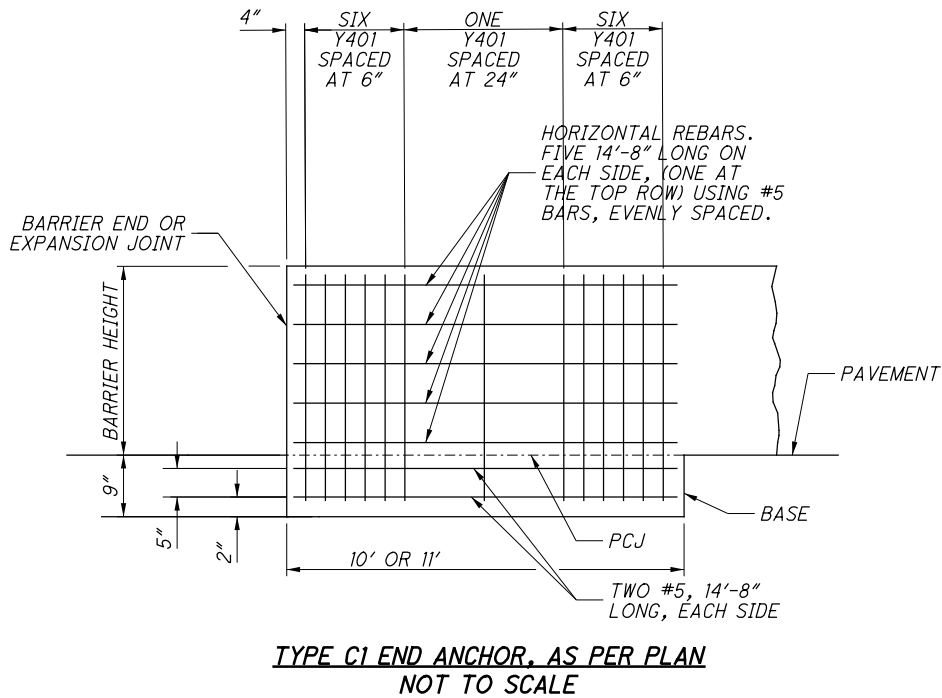




ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	4/2/25	ADDED BARRIER DETAILS



- BARRIER LEGEND**
- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
 - TYPE B1 END ANCHORAGE, AS PER PLAN
 - △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
 - △△ TYPE C1 END ANCHORAGE, AS PER PLAN
 - LIGHT POLE FOUNDATION (8'), SCD HL-20.13
 - BARRIER INLET (20'), SCD I-2.1 & I-2.2
 - ⊕ SIGN FOUNDATION (10'), SCD TC-21.50



△
AB

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
AB	3/26/25	ADDED AS-BUILT BARRIER DETAILS