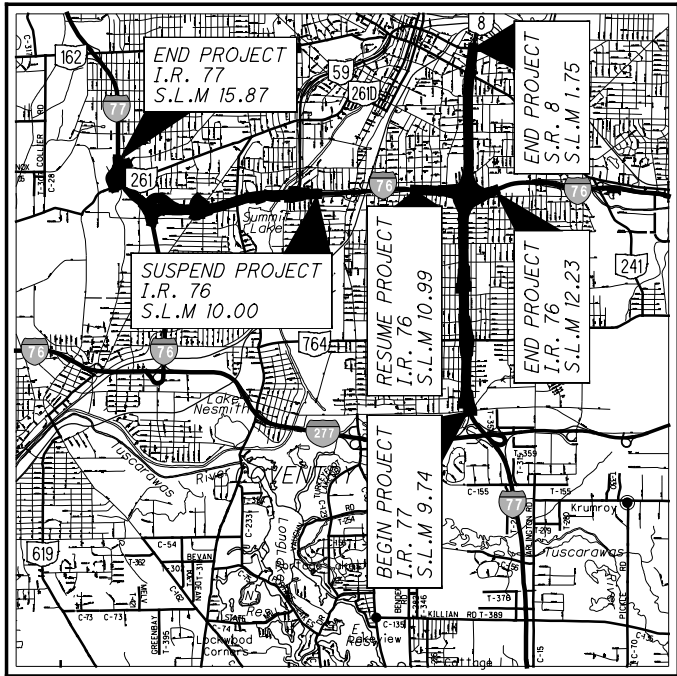


\\VANVAQIPWINTO\parsons.com\Ohio State\Documents\Beltway\Akron Beltway Rehab\0 - Design\02329\Roadway\Sheets\BU-33C\02329\_GTI001\_BU\_33C.dgn Sheet 1/6/2022 2:39:41 PM ekisiel



LOCATION MAP

LATITUDE: 41° 03' 43" LONGITUDE: 81° 30' 17"



|                         |       |
|-------------------------|-------|
| PORTION TO BE IMPROVED  | ----- |
| INTERSTATE HIGHWAY      | ----- |
| FEDERAL ROUTES          | ----- |
| STATE ROUTES            | ----- |
| COUNTY & TOWNSHIP ROADS | ----- |
| OTHER ROADS             | ----- |

DESIGN DESIGNATION

SEE BU-19

DESIGN EXCEPTIONS

| # | ROUTE  | DESIGN FEATURE                     | APPROVAL DATES | SHEET NUMBERS |
|---|--------|------------------------------------|----------------|---------------|
| 1 | RAMP Q | MAXIMUM GRADE                      | 03/29/2017     | 4 , 6         |
| 1 | RAMP Q | HORIZONTAL STOPPING SIGHT DISTANCE | 03/29/2017     | 5             |
| 1 | RAMP Q | VERTICAL STOPPING SIGHT DISTANCE   | 03/29/2017     | 6             |
| 5 | RAMP Q | SUPERELEVATION RATE                | 05/30/2019     | 5             |

UNDERGROUND UTILITIES

Contact Two Working Days  
Before You Dig



OHIO811, 8-1-1, or 1-800-362-2764  
(Non-members must be called directly)

PLAN PREPARED BY:



ENGINEERS SEAL:



SIGNED: *[Signature]*  
DATE: 1/6/22

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

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

CITY OF AKRON  
SUMMIT COUNTY

INDEX OF SHEETS:

|                           |        |
|---------------------------|--------|
| TITLE SHEET               | 1      |
| TYPICAL SECTION           | 2      |
| PLAN AND PROFILE - RAMP Q | 3 - 6  |
| CROSS SECTIONS - RAMP Q   | 7 - 15 |
| GRADING PLAN              | 16     |

SEE BU-02A & BU-02B FOR MAINTENANCE OF TRAFFIC  
SEE BU-14 FOR STRUCTURES  
SEE BU-17 FOR MSE WALLS 3,4,8, AND 11  
SEE BU-19 FOR SCHEMATIC  
SEE BU-28B FOR ROADWAY SOUTH OF BEACON  
SEE BU-29 FOR LANE S / RAMP P  
SEE BU-33A FOR IR-77/IR-76 SUMNER ST. TO BROWN ST.  
SEE BU-33B FOR CENTRAL INTERCHANGE RAMP & ADJACENT ROADWAYS  
SEE BU-36 FOR LIGHTING/ITS  
SEE BU-39 FOR TRAFFIC CONTROL  
SEE BU-42 FOR FENCING PLANS

STANDARD CONSTRUCTION DRAWINGS

| STANDARD CONSTRUCTION DRAWINGS |         |         |         |        |         |  |  | SUPPLEMENTAL SPECIFICATIONS | SPECIAL PROVISIONS |
|--------------------------------|---------|---------|---------|--------|---------|--|--|-----------------------------|--------------------|
| BP-2.1                         | 7/17/15 | DM-1.1  | 1/15/16 | MH-1.1 | 1/15/16 |  |  |                             |                    |
| BP-2.2                         | 1/15/21 | DM-1.2  | 1/18/13 | MH-1.2 | 1/15/16 |  |  | 800-2019 10/16/20           |                    |
| BP-2.5                         | 7/19/13 | DM-2.1  | 1/18/13 |        |         |  |  | 832 10/19/18                |                    |
| BP-3.1                         | 1/17/20 | DM-3.1  | 1/18/13 | RM-1.1 | 1/15/21 |  |  | 875 1/18/19                 |                    |
| BP-3.2                         | 1/18/19 | DM-4.1  | 7/20/18 | RM-4.3 | 7/18/14 |  |  | 863 10/17/14                |                    |
| BP-5.1                         | 1/18/19 | DM-4.2  | 7/20/12 | RM-4.4 | 7/19/19 |  |  |                             |                    |
| BP-6.1                         | 7/19/13 | DM-4.3  | 1/15/16 | RM-4.5 | 7/21/17 |  |  |                             |                    |
| BP-7.1                         | 7/17/20 |         |         | RM-4.6 | 7/19/13 |  |  |                             |                    |
| BP-8.1                         | 7/18/08 | MGS-1.1 | 1/19/18 | RM-5.1 | 7/18/14 |  |  |                             |                    |
| BP-8.2                         | 1/18/19 | MGS-2.1 | 1/19/18 |        |         |  |  |                             |                    |
| BP-9.1                         | 1/18/19 | MGS-3.1 | 1/19/18 |        |         |  |  |                             |                    |
|                                |         | MGS-3.2 | 1/18/13 |        |         |  |  |                             |                    |
| CB-1.1                         | 7/19/19 | MGS-4.2 | 7/19/13 |        |         |  |  |                             |                    |
| CB-2.1                         | 1/15/21 | MGS-4.3 | 1/18/13 |        |         |  |  |                             |                    |
| CB-2.2                         | 1/15/21 | MGS-5.2 | 7/15/16 |        |         |  |  |                             |                    |
| CB-2.3                         | 1/15/16 | MGS-5.3 | 7/15/16 |        |         |  |  |                             |                    |
| CB-3.1                         | 1/15/16 |         |         |        |         |  |  |                             |                    |
| CB-3.2                         | 1/15/16 | I-2.1   | 1/15/16 |        |         |  |  |                             |                    |
| CB-3.3                         | 1/15/16 | I-2.2   | 7/19/19 |        |         |  |  |                             |                    |
| CB-3.4                         | 1/15/16 | I-2.3   | 1/15/16 |        |         |  |  |                             |                    |
| CB-4.2                         | 1/18/13 |         |         |        |         |  |  |                             |                    |

ISSUE RECORD - BU-33C ROADWAY

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |

PROJECT DESCRIPTION

PAVEMENT REPLACEMENT OVER SUM - I.R. 76 FROM S.L.M. 8.24 TO 10.00, SUM - 77 FROM S.L.M. 9.74 TO 11.54, AND SUM - 8 FROM S.L.M. 0.00 TO 1.75. COVERS THE "SOUTH LEG" AND "WEST LEG", INCLUDES REHABILITATION OF SEVERAL STRUCTURES IN THE CITY OF AKRON, SUMMIT COUNTY, OHIO.

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

RECORD DRAWING PLANS

BU-33C - RSS WALL #2 RAMP Q / I-76 EB

The undersigned hereby confirms that, to the best of their knowledge, all known field modifications made after the Released for Construction plans were sealed by the Designer are included in these drawings.

RSS JV

Signed: *[Signature]* Assistant Project Manager Date: 8/18/2026

The undersigned hereby confirms that, to the best of their knowledge, all presented field changes have been included in the Record Drawings and the Designer concurs that the changes meet the design intent of the Contract.

Parsons Transportation Group, Inc.

Signed: *[Signature]* Fernando Rodriguez Design Project Manager Date: August 19, 2026



RSS WALL #2  
RAMP Q / IR-76 EB

FINAL PLANS  
JANUARY 6, 2022

2026-03-30 - BU-33C - RECORD DRAWING PLANS

FEDERAL PROJECT NO.  
E180(428)

PID NO.  
102329

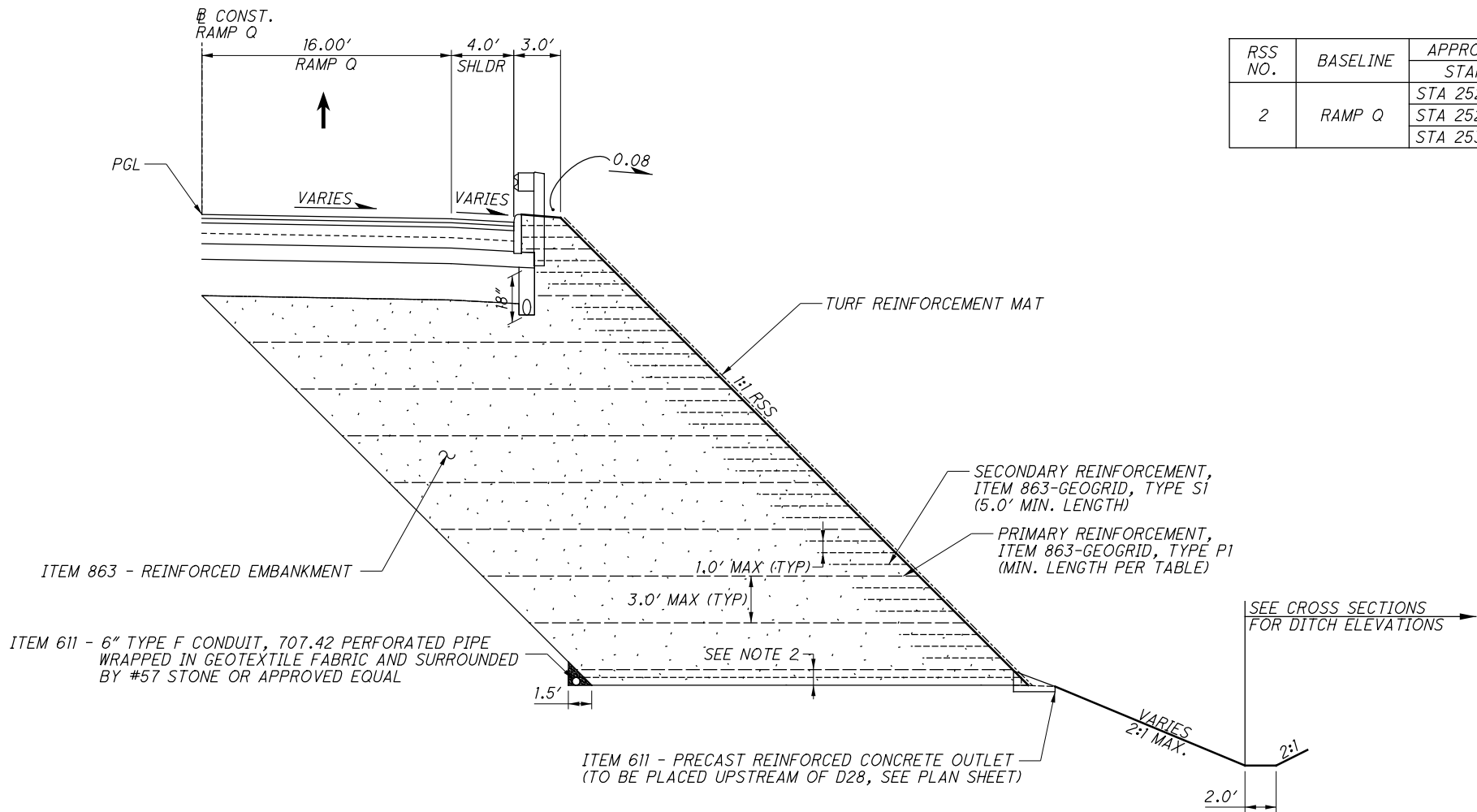
CONSTRUCTION PROJECT NO.  
21-3000

RAILROAD INVOLVEMENT  
NONE

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

1  
16

| ISSUE RECORD - BU-33C ROADWAY |      |             |
|-------------------------------|------|-------------|
| NO.                           | DATE | DESCRIPTION |
|                               |      |             |
|                               |      |             |
|                               |      |             |
|                               |      |             |
|                               |      |             |
|                               |      |             |



| RSS NO. | BASELINE | APPROX. STATION RANGE |                | MINIMUM PRIMARY REINFORCEMENT LENGTH (FT) |
|---------|----------|-----------------------|----------------|-------------------------------------------|
|         |          | START                 | END            |                                           |
| 2       | RAMP Q   | STA 2526+50           | STA 2529+00    | 17                                        |
|         |          | STA 2529+00           | STA 2530+50    | 25                                        |
|         |          | STA 2530+50           | STA 2532+09.09 | 28                                        |

- NOTES:
1. STRAPS SHALL BE CUT SHORT WHEN IN CONFLICT WITH PAVEMENT, UNDERDRAIN, AND/OR DRAINAGE STRUCTURES.
  2. 1.0' MAX. FROM BOTTOM OF RSS TO FIRST PRIMARY REINFORCEMENT.
  3. IF WET OR OTHERWISE SATURATED AREAS WITHIN THE EMBANKMENT ARE ENCOUNTERED DURING CONSTRUCTION, DRAINAGE OF THAT LOCALIZED AREA SHOULD BE INCORPORATED INTO THE EMBANKMENT CONSTRUCTION AND/OR S&ME SHOULD BE CONTACTED TO PROVIDE RECOMMENDATIONS.
  4. FOR A 1H:1V RSS, THE CONTRACTOR SHALL USE WELDED WIRE FORM BASKETS THAT WILL PROVIDE EROSION CONTROL WHILE MAINTAINING A MORE ACCURATE SLOPE AND ALIGNMENT. A FACE WRAP SHALL BE PROVIDED TO RETAIN THE SOIL AND PROMOTE THE ESTABLISHMENT OF VEGETATION.
  5. AT LOCATIONS WHERE THE RSS GEOGRID EXTENDS INTO THE MSE WALL SELECT GRANULAR BACKFILL (SGB), THE CONTRACTOR SHALL INSTALL THE RSS EMBANKMENT AND SGB CONCURRENTLY. THE FULL LENGTH OF PRIMARY GEOGRID WILL BE INSTALLED. MAINTAIN A MINIMUM OF 3" SEPARATION BETWEEN THE GEOGRID AND THE MSE WALL SOIL REINFORCEMENT.

SEE BU-17 FOR SUM-76-1148Q ABUTMENT DETAILS  
SEE BU-33B FOR RAMP Q, IR-76 EB, AND IR-76 WB TYPICAL SECTIONS.  
SEE BU-33B FOR GENERAL NOTES.



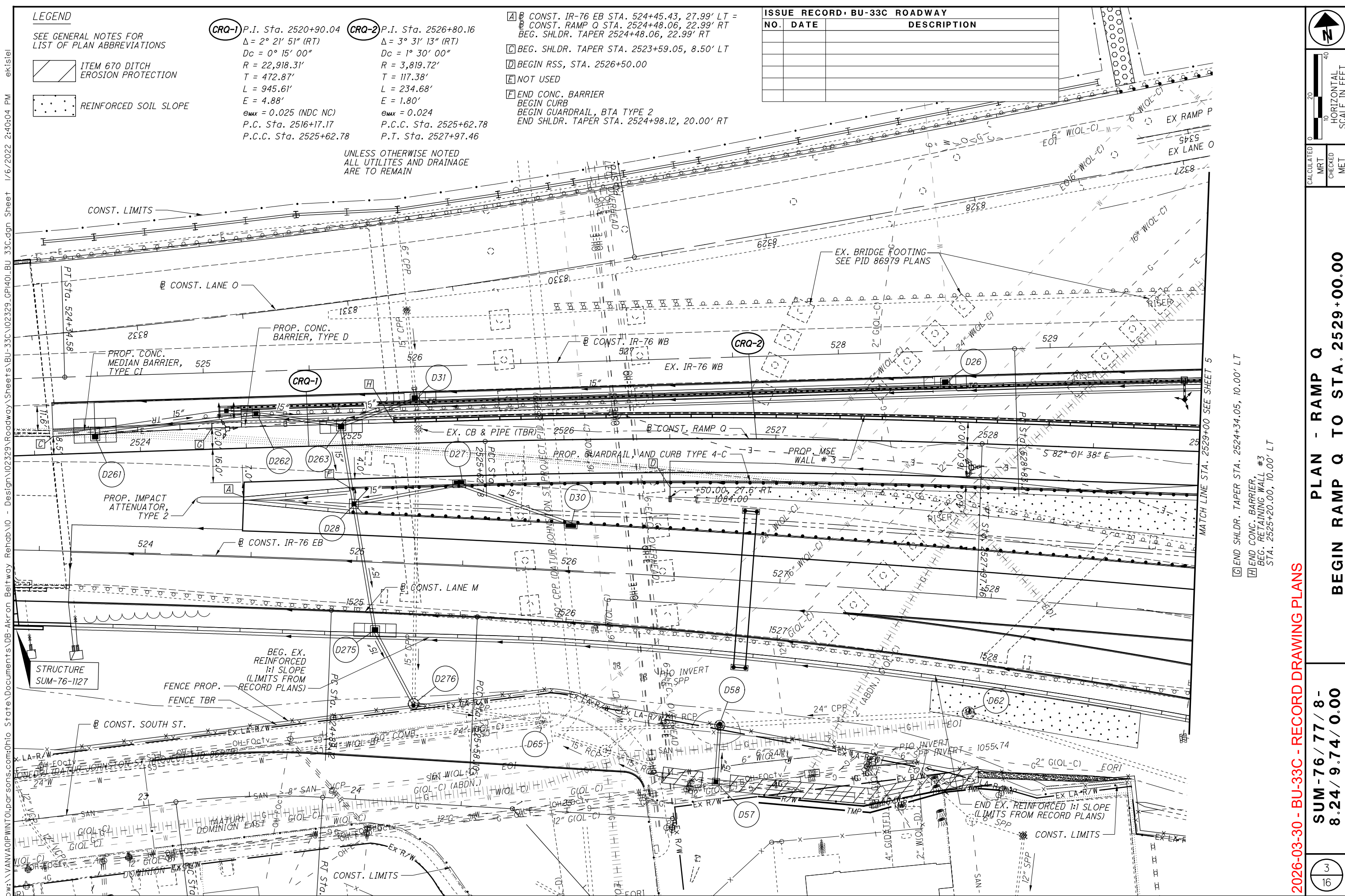
REINFORCED SOIL SLOPE

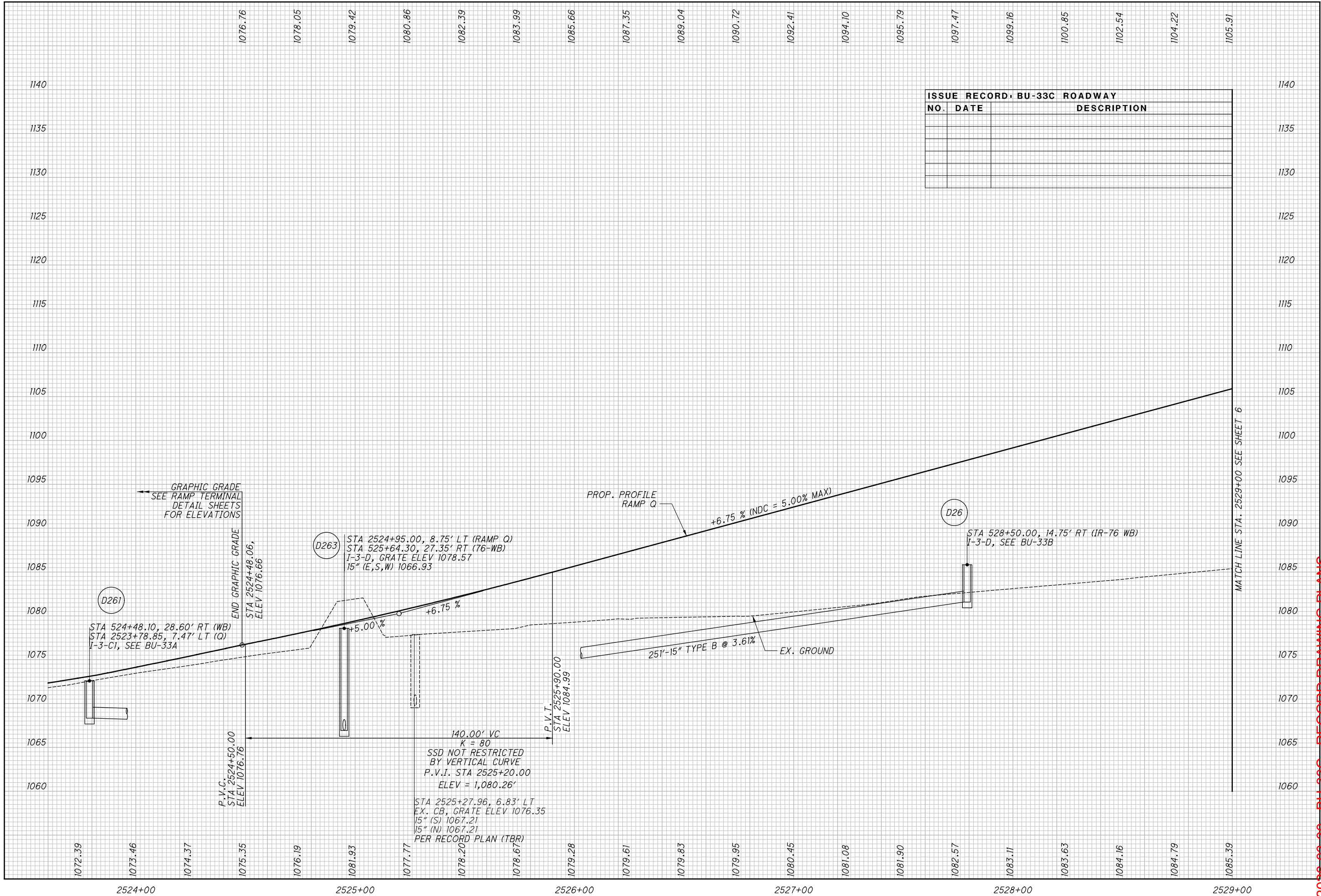
☐ ~~B~~ CONST. IR-76 EB STA. 524+45.43, 27.99' LT =  
~~B~~ CONST. RAMP Q STA. 2524+48.06, 22.99' RT  
 BEG. SHLDR. TAPER 2524+48.06, 22.99' RT  
☒ BEG. SHLDR. TAPER STA. 2523+59.05, 8.50' LT  
☒ BEGIN RSS, STA. 2526+50.00  
☐ NOT USED  
☒ END CONC. BARRIER  
 BEGIN CURB  
 BEGIN GUARDRAIL, BTA TYPE 2  
 END SHLDR. TAPER STA. 2524+98.12, 20.00' RT

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |

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

3  
16



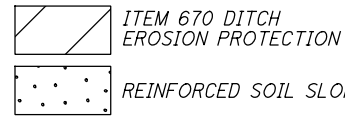


2026-03-30 - BU-33C - RECORD DRAWING PLANS

[illegible]

LEGEND

SEE GENERAL NOTES FOR  
LIST OF PLAN ABBREVIATIONS



- A** BEGIN APPROACH SLAB  
STA. 2531+37.83
- B** END GUARDRAIL, BTA TYPE 1  
STA. 2531+38.80
- C** END RSS  
STA. 2532+09.09

**CRQ-3** P.I. Sta. 2538+28.05  
 $\Delta = 99^\circ 14' 19''$  (LT)  
 $Dc = 8^\circ 45' 00''$   
 $R = 654.81'$   
 $Ls = 200.00'$   
 $\theta s = 08^\circ 44' 58''$   
 $LT = 133.50'$   
 $ST = 66.82'$   
 $Lc = 1,034.16'$   
 $T_1 = 772.50'$   
 $T_2 = 870.27'$   
 $e_{MAX} = 0.060$   
 P.C. Sta. 2530+55.55  
 C.S. Sta. 2540+89.71  
 S.T. Sta. 2542+89.71

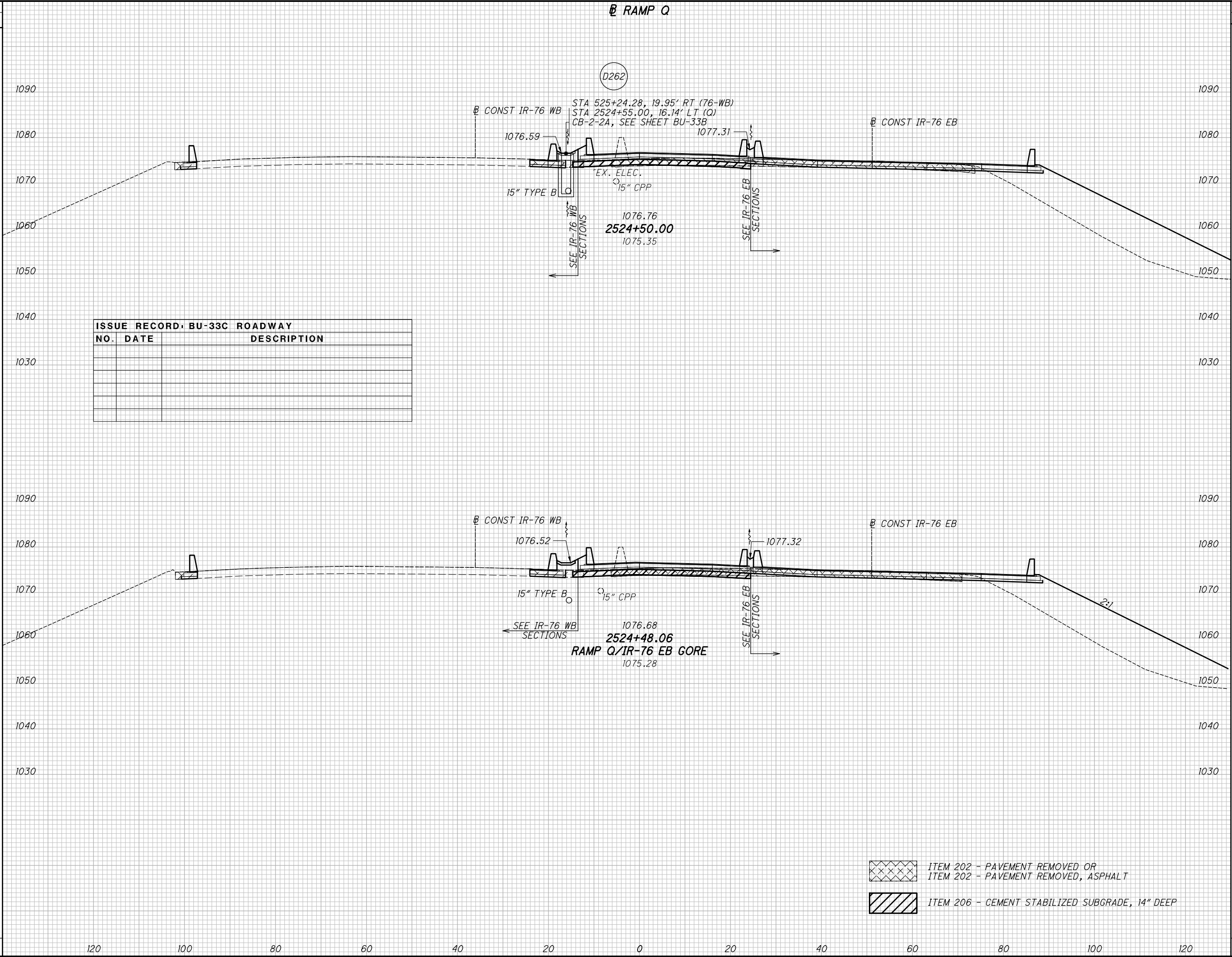
HSSD = 309' (360' MIN)  
 ACTUAL DESIGN SPEED = 40MPH

PLAN - RAMP Q  
STA. 2529+00.00 TO STA. 2534+00.00

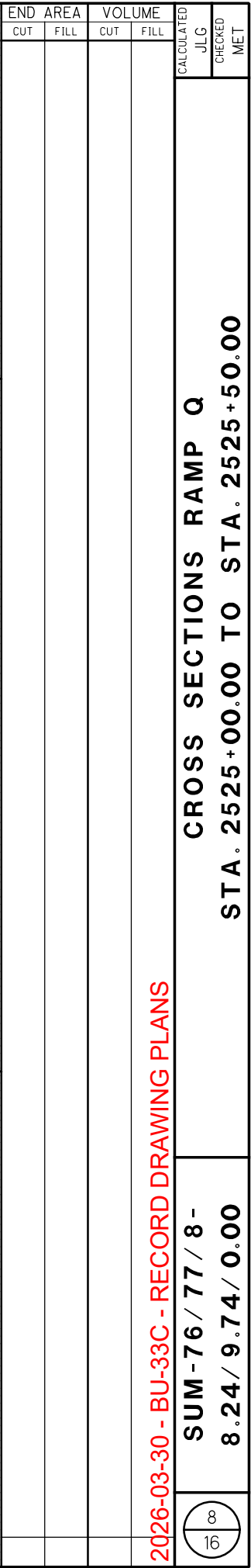
**SUM-76 / 77 / 8-  
8.24 / 9.74 / 0.00**



|                                                                                                                                                                                                                                                              |                                                                                           |                                           |  |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------|--|------------|
| <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;">6</div> <div style="text-align: center;">16</div> </div> | <p style="text-align: center;"><b>SUM-76 / 77 / 8 -</b><br/><b>8.24 / 9.74 / 0.00</b></p> | <b>PROFILE - RAMP Q</b>                   |  | CALCULATED |
|                                                                                                                                                                                                                                                              |                                                                                           | <b>STA. 2529+00.00 TO STA. 2534+00.00</b> |  | MRT        |
|                                                                                                                                                                                                                                                              |                                                                                           |                                           |  | CHECKED    |
|                                                                                                                                                                                                                                                              |                                                                                           |                                           |  | MET        |



| END                                        |      | AREA |      | VOLUME |      | CALCULATED<br>J.L.G.                    | CHECKED<br>MET                                                          |
|--------------------------------------------|------|------|------|--------|------|-----------------------------------------|-------------------------------------------------------------------------|
| CUT                                        | FILL | CUT  | FILL | CUT    | FILL |                                         |                                                                         |
|                                            |      |      |      |        |      |                                         |                                                                         |
|                                            |      |      |      |        |      |                                         |                                                                         |
|                                            |      |      |      |        |      |                                         |                                                                         |
|                                            |      |      |      |        |      |                                         |                                                                         |
| 2026-03-30 - BU-33C - RECORD DRAWING PLANS |      |      |      |        |      |                                         |                                                                         |
|                                            |      |      |      |        |      | CROSS SECTIONS RAMP Q                   |                                                                         |
|                                            |      |      |      |        |      | STA. 2524+48.06 TO STA. 2524+50.00      |                                                                         |
|                                            |      |      |      |        |      | <div> <div>7</div> <div>16</div> </div> | <div> <div>SUM-76 / 77 / 8 -</div> <div>8.24 / 9.74 / 0.00</div> </div> |



SEEDING  
END  
WIDTH  
SO.  
YDS.

END AREA  
CUT  
FILL  
VOLUME  
CUT  
FILL  
CALCULATED  
JLG  
CHECKED  
MET

**RAMP Q**

EX. OVERHEAD 23kv TRANSMISSION LINE (APPROX. HEIGHT) (TO REMAIN)

1100  
1090  
1080  
1070  
1060  
1050  
1040

1100  
1090  
1080  
1070  
1060  
1050

120 100 80 60 40 20 0 20 40 60 80 100 120

ISSUE RECORD, BU-33C ROADWAY

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |

PROP. RETAINING WALL 3

1083.28

15" TYPE B

EX. ELEC.

1089.04  
2526+50.00  
1079.83

1084.00

27.6' RT

2.1:1

1080.25

B CONST IR-76 EB

SEE IR-76 WB SECTIONS

SEE IR-76 EB SECTIONS

EX. OVERHEAD 23kv TRANSMISSION LINE (APPROX. HEIGHT) (TO REMAIN)

1110  
1100  
1090  
1080  
1070  
1060  
1050

1110  
1100  
1090  
1080  
1070  
1060  
1050

120 100 80 60 40 20 0 20 40 60 80 100 120

PROP. RETAINING WALL 3

B CONST IR-76 WB

1081.72

15" TYPE B

15" VCP

1085.66  
2526+00.00  
1079.28

2.1:1

1079.83

B CONST IR-76 EB

SEE IR-76 WB SECTIONS

SEE IR-76 EB SECTIONS

STA 526+00.00 76-EB, 22.0' LT  
CB-3, SEE SHEET BU-33B

D30

STA 2525+27.96, 6.83' LT  
EX. CB, GRATE ELEV 1076.35'  
15" W 1067.21  
15" N 1067.21  
(TBR)

REINFORCED SOIL SLOPE  
FOR DETAILS SEE SHEET 2

ITEM 202 - PAVEMENT REMOVED OR  
ITEM 202 - PAVEMENT REMOVED, ASPHALT

ITEM 206 - CEMENT STABILIZED SUBGRADE, 14" DEEP

ITEM 503 - UNCLASSIFIED EXCAVATION  
(PAID FOR WITH RETAINING WALLS)

2026-03-30 - BU-33C - RECORD DRAWING PLANS

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

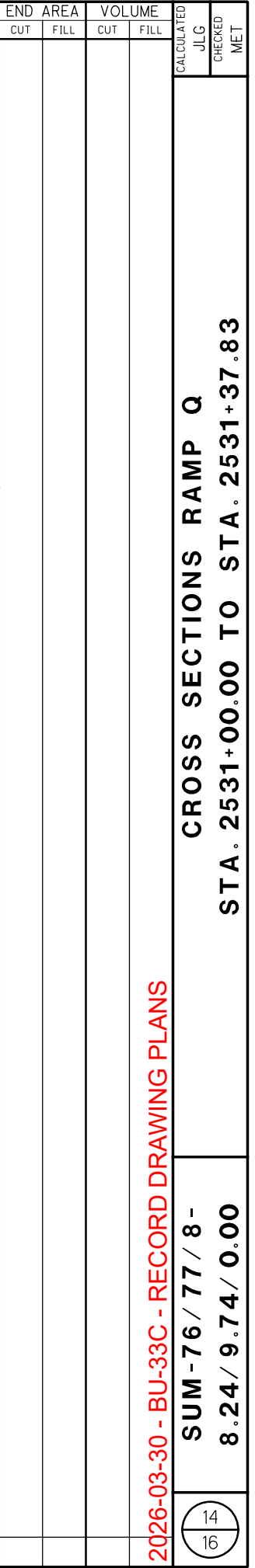
9  
16

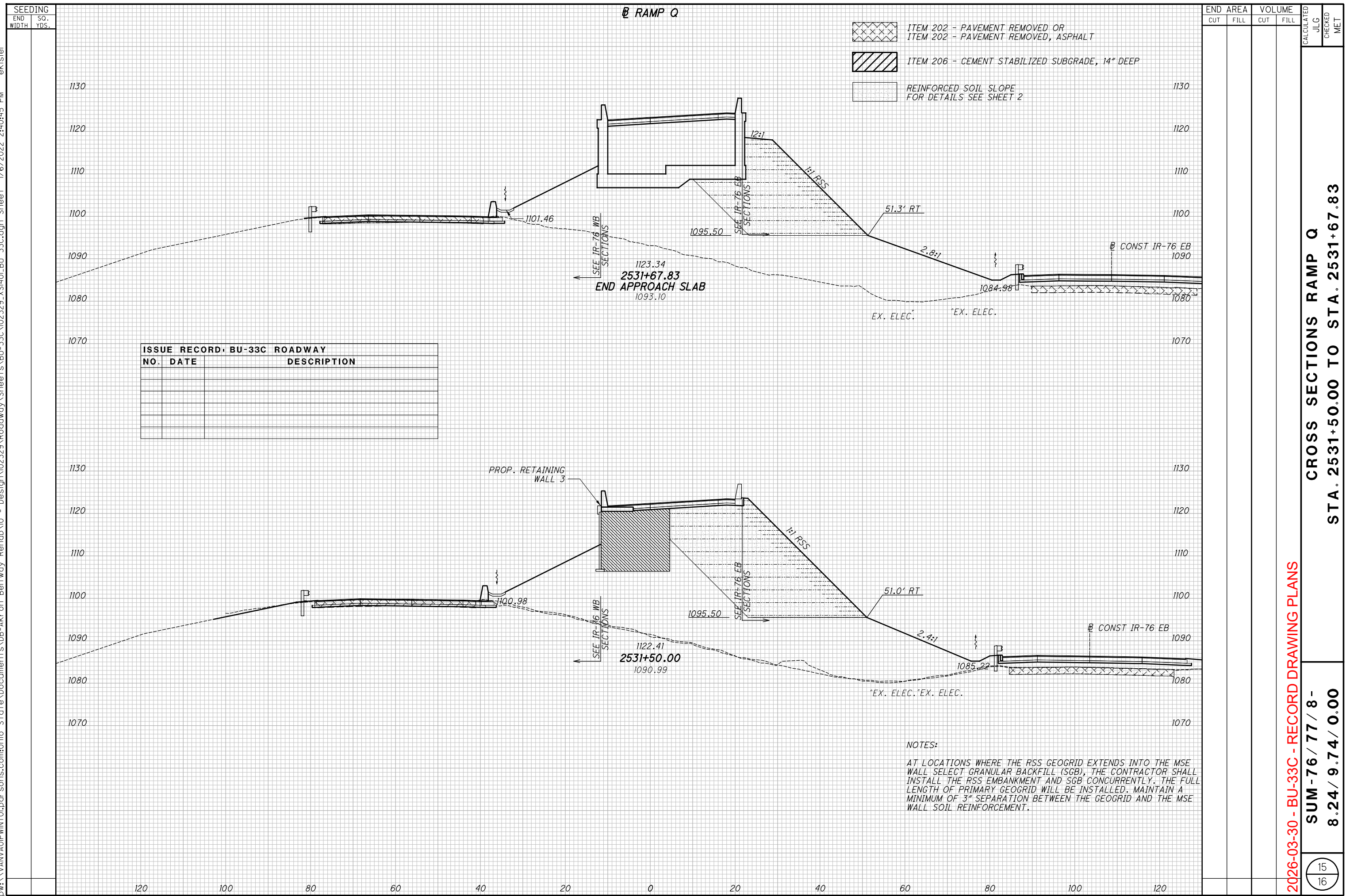
2026-  
10/16



$$\frac{12}{16}$$

**CROSS SECTIONS RAMP Q**  
**STA. 2530+00.00 TO STA. 2530+50.00**





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