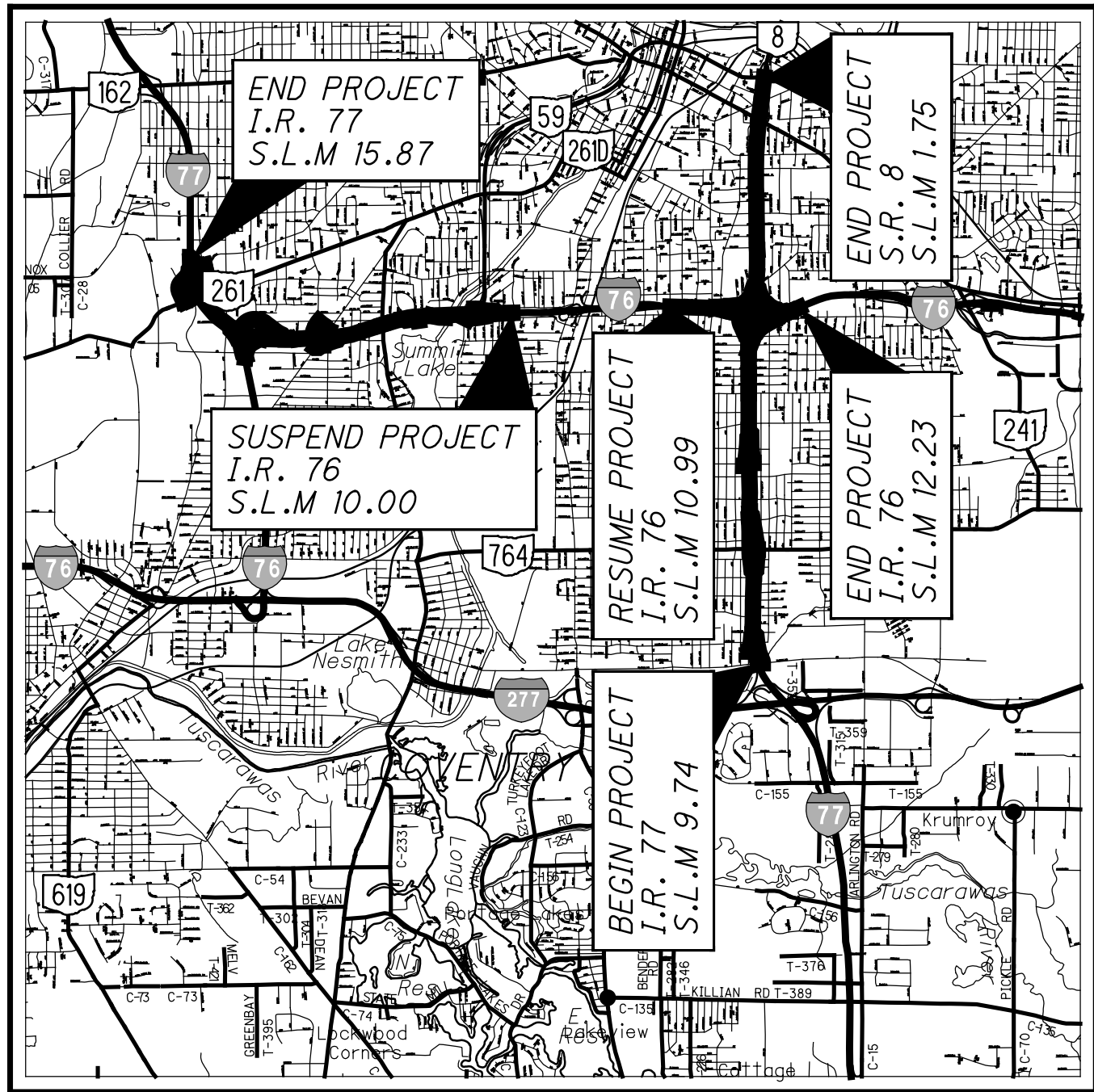
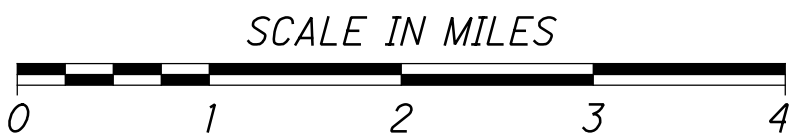


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LOCATION MAP

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



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

SEE BU-02A & BU-02B FOR MAINTENANCE OF TRAFFIC  
SEE BU-14 FOR STRUCTURES  
SEE BU-19 FOR SCHEMATIC  
SEE BU-25A FOR REMOVALS  
SEE BU-28B FOR ROADWAY SOUTH OF BEACON  
SEE BU-36 FOR LIGHTING/ITS  
SEE BU-39 FOR TRAFFIC CONTROL

**UNDERGROUND UTILITIES**  
Contact Two Working Days  
Before You Dig

**OHIO811.org**  
Before You Dig

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

PLAN PREPARED BY:



ENGINEERS SEAL:

**EDWARD A. KISEL**  
E-71500  
REGISTERED PROFESSIONAL ENGINEER

SIGNED:   
DATE: 6/8/21

| STANDARD CONSTRUCTION DRAWINGS |         |        |         |  |  |  | SUPPLEMENTAL SPECIFICATIONS | SPECIAL PROVISIONS |
|--------------------------------|---------|--------|---------|--|--|--|-----------------------------|--------------------|
| BP-3.1                         | 1/17/20 | RM-4.4 | 7/19/19 |  |  |  | 800                         | 4/16/21            |
| BP-3.2                         | 1/18/19 | RM-4.5 | 7/21/17 |  |  |  | 809                         | 4/16/21            |
| BP-5.1                         | 1/18/19 | RM-4.6 | 7/19/13 |  |  |  | 832                         | 10/19/18           |
| DM-1.1                         | 7/17/20 | MH-1.2 | 1/15/16 |  |  |  |                             |                    |
| DM-1.2                         | 1/18/13 |        |         |  |  |  |                             |                    |
| MGS-1.1                        | 1/19/18 |        |         |  |  |  |                             |                    |
| MGS-3.1                        | 1/19/18 |        |         |  |  |  |                             |                    |
| MGS-3.2                        | 1/18/13 |        |         |  |  |  |                             |                    |
| MGS-4.2                        | 7/19/13 |        |         |  |  |  |                             |                    |
| HW-2.1                         | 7/20/18 |        |         |  |  |  |                             |                    |
| HW-2.2                         | 7/20/18 |        |         |  |  |  |                             |                    |
| I-2.2                          | 7/19/19 |        |         |  |  |  |                             |                    |

**AKRON BELTWAY JV**

**BU-28A**  
**RESURFACING**  
&  
**WIDENING**  
S.R. 8 at Beacon St. to  
S.R. 8 at Perkins St.  
**RFC PLANS**  
**JUNE 8, 2021**

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

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

CITY OF AKRON  
SUMMIT COUNTY

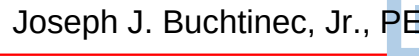
INDEX OF SHEETS:

|                                           |         |
|-------------------------------------------|---------|
| TITLE SHEET                               | 1       |
| DESIGN DESIGNATIONS AND DESIGN EXCEPTIONS | 2       |
| TYPICAL SECTIONS                          | 3 - 5   |
| GENERAL NOTES                             | 6 - 7   |
| PLAN AND PROFILE - SR-8                   | 8 - 19  |
| CROSS SECTIONS - SR-8                     | 20 - 26 |
| MISC. DETAILS                             | 27 - 29 |
| STORM SEWER PROFILES                      | 30      |

**RECORD DRAWING PLANS**

**BU-28A - SR-8 AT BEACON STREET TO PERKINS STREET RESURFACING AND WIDENING**

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:  Joseph J. Buchtinec, Jr., PE  
Date:  7/8/2026

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:  Fernando Rodriguez  
Design Project Manager  
Date: July 16, 2026

| ISSUE RECORD: BU-28A ROADWAY |      |             |
|------------------------------|------|-------------|
| NO.                          | DATE | DESCRIPTION |
|                              |      |             |
|                              |      |             |
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|                              |      |             |
|                              |      |             |

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.

2025-03-24 - BU-28A - RECORD DRAWING PLANS

|                                         |         |                          |                      |
|-----------------------------------------|---------|--------------------------|----------------------|
| FEDERAL PROJECT NO.                     | PID NO. | CONSTRUCTION PROJECT NO. | RAILROAD INVOLVEMENT |
| E180(428)                               | 102329  | 21-3000                  | NONE                 |
| SUM-76 / 77 / 8 -<br>8.24 / 9.74 / 0.00 |         |                          | 1<br>30              |

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DESIGN DESIGNATION

**SR-8**  
CURRENT ADT (2020) 123,390  
DESIGN YEAR ADT (2040) 135,300  
DESIGN HOURLY VOLUME (2040) 13,520  
DIRECTIONAL DISTRIBUTION 61%  
TRUCKS (24 HOUR B&C) 7%  
DESIGN SPEED 60 MPH  
LEGAL SPEED 55 MPH  
DESIGN FUNCTIONAL CLASSIFICATION:  
URBAN INTERSTATE  
  
NHS PROJECT YES

DESIGN EXCEPTIONS

| NUMBER | ROUTE | DESIGN FEATURE | APPROVAL DATES | SHEET NUMBERS |
|--------|-------|----------------|----------------|---------------|
| 4      | SR-8  | SHOULDER WIDTH | 05/12/2020     | 4             |

| ISSUE RECORD: BU-28A ROADWAY |      |             |
|------------------------------|------|-------------|
| NO.                          | DATE | DESCRIPTION |
|                              |      |             |
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2025-03-24 - BU-28A - RECORD DRAWING PLANS

2

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

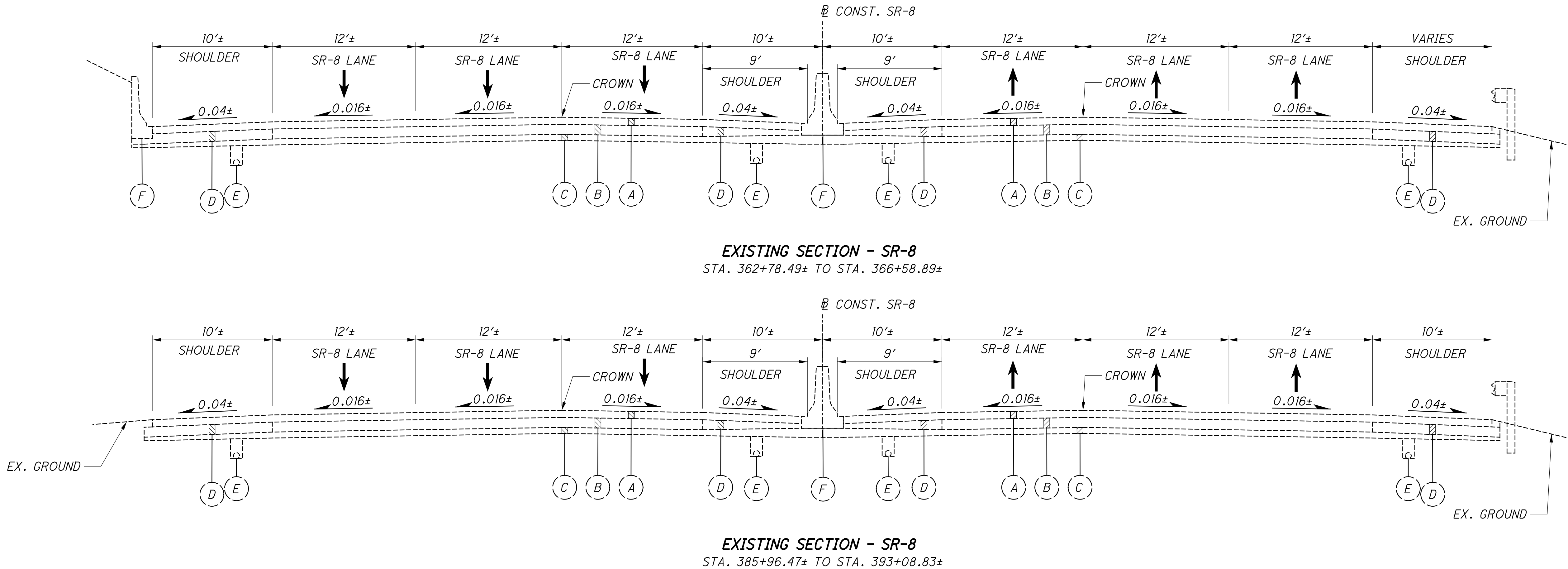
DESIGN DESIGNATIONS AND DESIGN EXCEPTIONS

CALCULATED  
AA

CHECKED  
EAK

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| ISSUE RECORD: BU-28A ROADWAY |      |             |
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| NO.                          | DATE | DESCRIPTION |
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|                              |      |             |
|                              |      |             |
|                              |      |             |



**LEGEND - PROPOSED ITEMS**

- 1 ITEM 442 - 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN
- 2 ITEM 407 - NON-TRACKING TACK COAT
- 3 ITEM 442 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN
- 4 ITEM 302 - 8" ASPHALT CONCRETE BASE, PG 64-22 (TWO LIFTS)
- 5 ITEM 304 - 6" AGGREGATE BASE, AS PER PLAN
- 6 ITEM 204 - PROOF ROLLING
- 7 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP
- 8 ITEM 606 - GUARDRAIL TYPE MGS OR GUARDRAIL TYPE MGS WITH LONG POSTS
- 9 ITEM 659 - SEEDING AND MULCHING

- 10 ITEM 609 - CURB, TYPE 4-C, AS PER PLAN
- 11 ITEM 441 - 3.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL)
- 12 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES, 2.0" MIN.)
- 13 ITEM 442 - 2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (446), AS PER PLAN
- 14 ITEM 605 - 6" BASE PIPE UNDERDRAIN WITH GEOTEXTILE FILTER, 18"
- 15 ITEM 622 - BARRIER, MISC.: CONCRETE BARRIER, TYPE B1 (10/21/97)
- 16 ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
- 17 ITEM 304 - VARIABLE THICKNESS AGGREGATE BASE, AS PER PLAN

**LEGEND - EXISTING ITEMS**

- (A) EX. VARIES 4"± - 5"± ASPHALT CONCRETE
- (B) EX. 10"± REINFORCED CONCRETE PAVEMENT
- (C) EX. 6"± SUBBASE
- (D) EX. 10"± AGGREGATE BASE
- (E) EX. UNDERDRAIN
- (F) EX. CONCRETE BARRIER
- (G) EX. GUARDRAIL
- (H) EX. CURB

2025-03-24 - BU-28A - RECORD DRAWING PLANS

TYPICAL SECTIONS - EXISTING SR-8

SUM-76 / 77 / 8 /  
8.24 / 09.74 / 0.00

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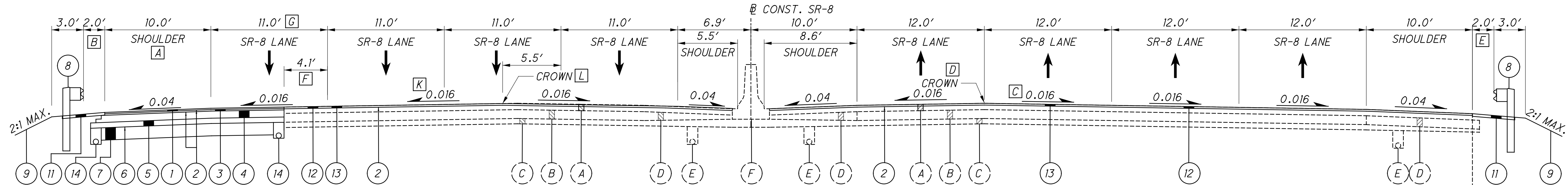
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- [A] 7.0' FROM STA. 335+92.93 TO STA. 337+00.00  
VARIES FROM 7.0' AT STA. 337+00.00 TO 10.0' AT STA. 337+75.00
- [B] 0.0' FROM STA. 336+19.61 TO STA. 336+50.00  
VARIES FROM 0.0' AT STA. 336+50.00 TO 2.0' AT STA. 336+66.61  
VARIES FROM 2.0' AT STA. 345+79.64 TO 0.0' AT STA. 346+04.41  
0.0' FROM STA. 346+04.41 TO STA. 346+17.01
- [C] +0.016 FROM STA. 336+54.28 TO STA. 337+00.00  
VARIES FROM +0.016 AT STA. 337+00.00 TO -0.0160 AT STA. 338+00.00

- [D] CROWN LOCATION VARIES:  
34.0' RT FROM STA. 336+54.28 TO STA. 337+00.00  
VARIES FROM 34.0' RT AT STA. 337+00.00 TO 22.0' RT AT STA. 338+00.00
- [E] 0.0' FROM STA. 336+76.66 TO STA. 336+89.16  
VARIES FROM 0.0' AT STA. 336+89.16 TO 2.0' AT STA. 337+14.10  
VARIES FROM 2.0' AT STA. 345+43.20 TO 0.0' AT STA. 345+61.59  
0.0' FROM STA. 345+61.59 TO STA. 346+11.59
- [F] VARIES FROM 4.1' AT STA. 342+00.05 TO 14.8' AT STA. 346+39.19
- [G] VARIES FROM 11.0' AT STA. 344+00.77 TO 16.8' AT STA. 346+39.19

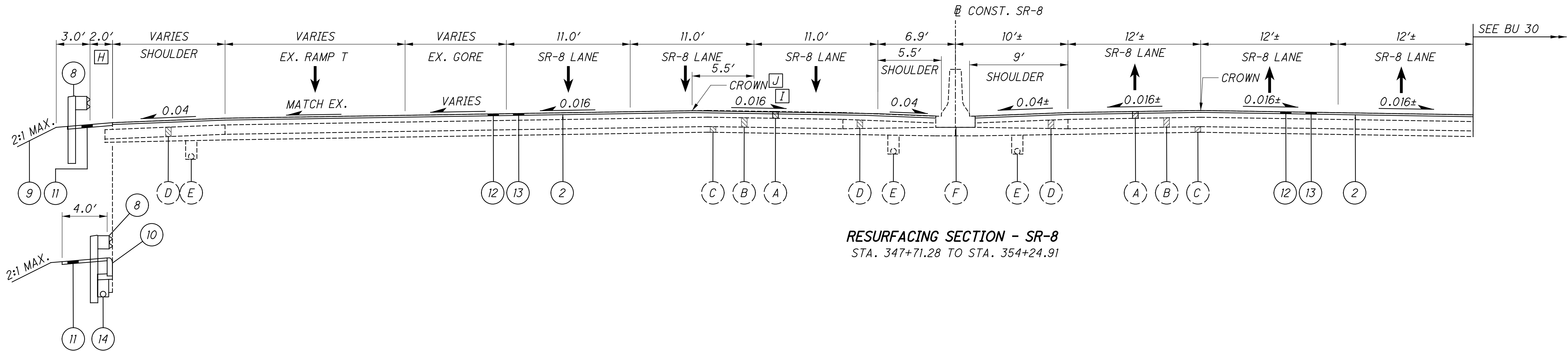
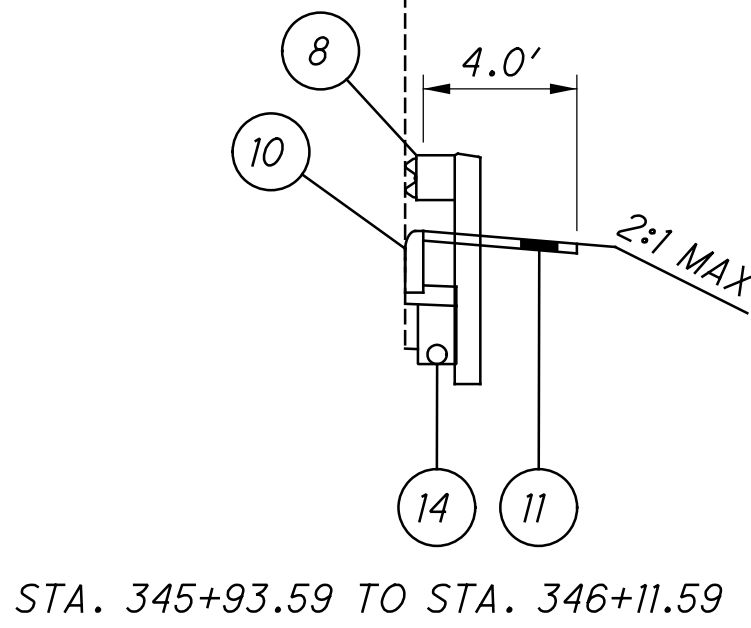
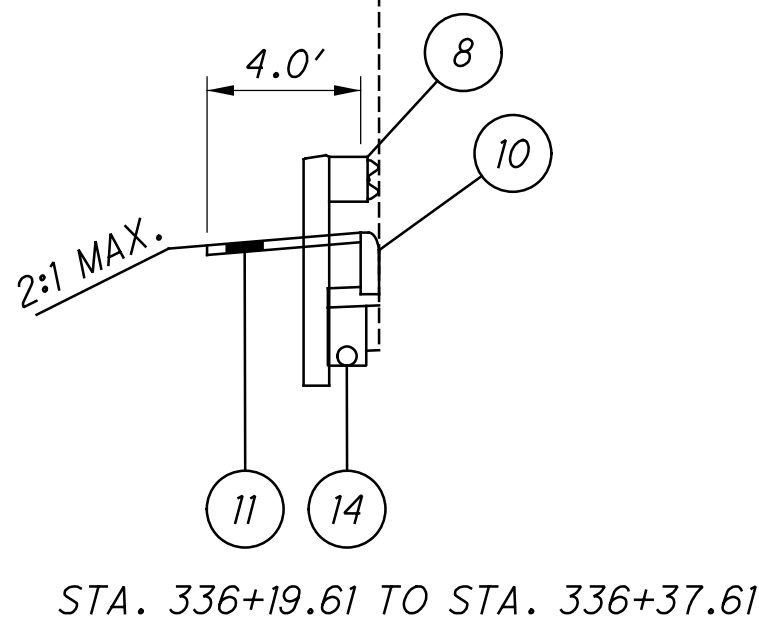
- [K] +0.016 FROM STA. 336+12.29 TO STA. 337+00.00  
VARIES FROM +0.016 AT STA. 337+00.00 TO -0.0160  
AT STA. 338+00.00  
VARIES FROM -0.016 AT STA. 345+00.00 TO +0.0160  
AT STA. 346+00.00  
+0.016 FROM STA. 346+00.00 TO STA. 346+39.14

| ISSUE RECORD: BU-28A ROADWAY |          |                         |
|------------------------------|----------|-------------------------|
| NO.                          | DATE     | DESCRIPTION             |
| 1                            | 06/16/21 | CROWN LOCATION REVISION |
|                              |          |                         |
|                              |          |                         |
|                              |          |                         |
|                              |          |                         |
|                              |          |                         |



RESURFACING AND WIDENING SECTION - SR-8  
STA. 335+94.93 TO STA. 346+39.19

- [L] CROWN LOCATION VARIES:  
28.9' LT FROM STA. 336+12.29 TO STA. 337+00.00  
VARIES FROM 28.9' LT AT STA. 337+00.00 TO  
23.4' LT AT STA. 338+00.00  
VARIES FROM 23.4' LT AT STA. 345+00.00 TO  
22.0' LT AT STA. 346+00.00  
22.0' LT FROM STA. 346+00.00 TO STA. 346+39.14



RESURFACING SECTION - SR-8  
STA. 347+93.69 TO STA. 354+24.91

- [H] 0.0' FROM STA. 347+93.69 TO STA. 348+43.08  
VARIES FROM 0.0' AT STA. 348+43.08 TO 2.0' AT STA. 348+62.00  
SUSPEND GUARDRAIL REPLACEMENT AT STA. 352+42.92
- [I] +0.016 FROM STA. 347+71.48 TO STA. 348+00.00  
VARIES FROM +0.016 AT STA. 348+00.00 TO -0.0160 AT STA. 349+00.00
- [J] CROWN LOCATION VARIES:  
22.0' LT FROM STA. 347+71.52 TO STA. 348+00.00  
VARIES FROM 22.0' LT AT STA. 348+00.00 TO 23.4' LT AT STA. 349+00.00

FOR LEGEND, SEE SHEET 3  
FOR DETAILS, SEE SHEET 5

2025-03-24 - BU-28A - RECORD DRAWING PLANS

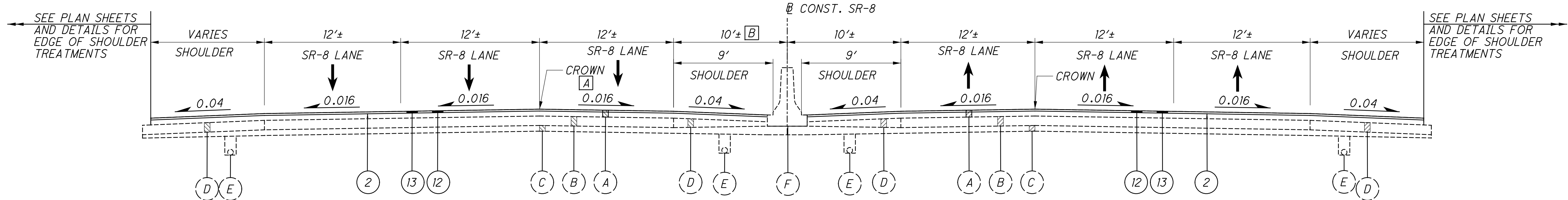
TYPICAL SECTIONS - PROPOSED SR-8

SUM-76 / 77 / 8 /  
8.24 / 09.74 / 0.00

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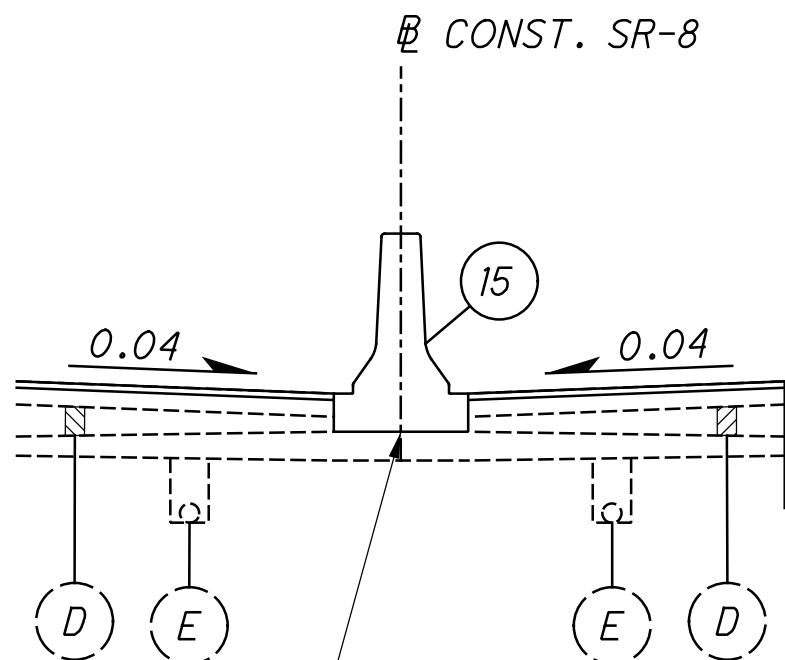
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|                              |      |             |
|                              |      |             |
|                              |      |             |



[A] CROWN LOCATION VARIES:  
VARIES FROM 23.4' LT AT STA. 354+24.91 TO 19.4' LT AT STA. 355+24.91  
FROM STA. 355+24.91 FORWARD, THE CROWN SHALL BE LOCATED ON  
LANE LINE BETWEEN LANE ONE AT TWO

[B] VARIES FROM 6.9' AT STA. 354+24.91 TO 10.0' AT STA. 357+85.19

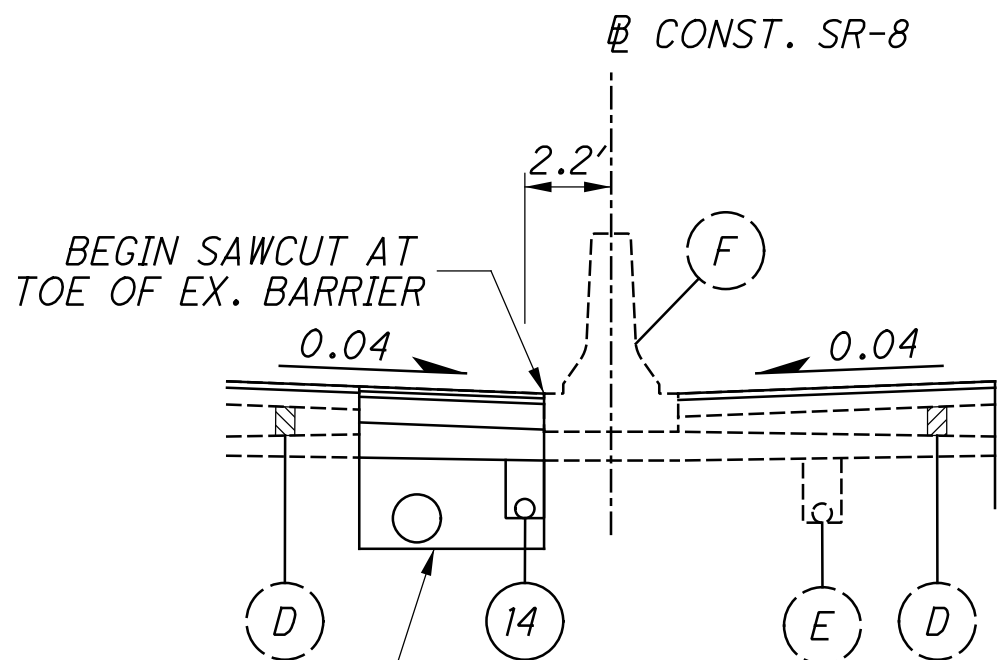
**RESURFACING SECTION - SR-8**  
STA. STA. 354+24.91 TO STA. 393+54.11



PROP. BARRIER SHALL BE PLACED ON EXISTING SUBBASE

**MEDIAN BARRIER REPLACEMENT DETAIL**

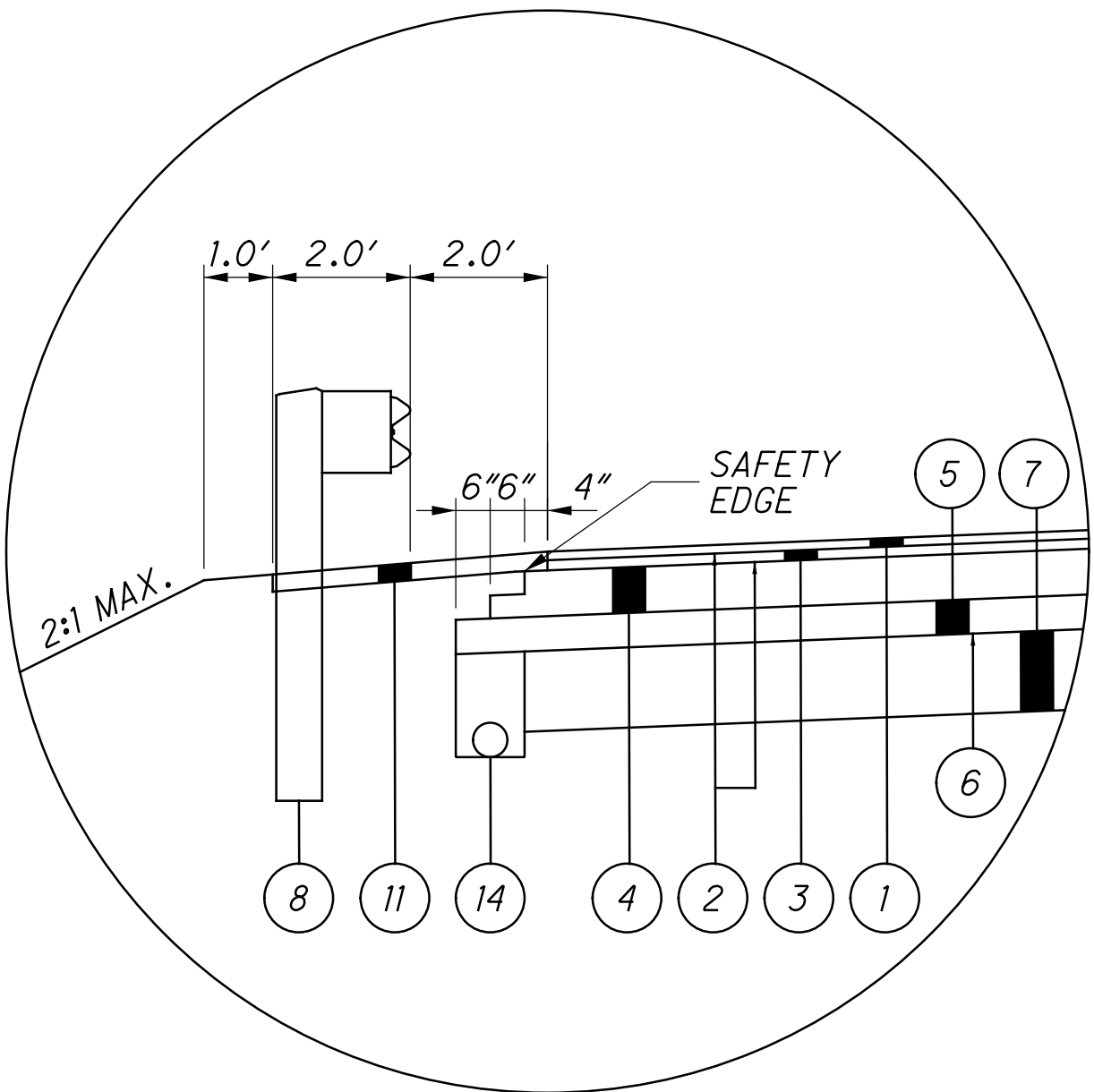
STA. 338+90.00 TO STA. 339+10.00  
STA. 340+90.00 TO STA. 341+10.00  
STA. 345+65.00 TO STA. 345+85.00  
STA. 347+90.00 TO STA. 348+10.00  
STA. 350+40.00 TO STA. 353+50.00



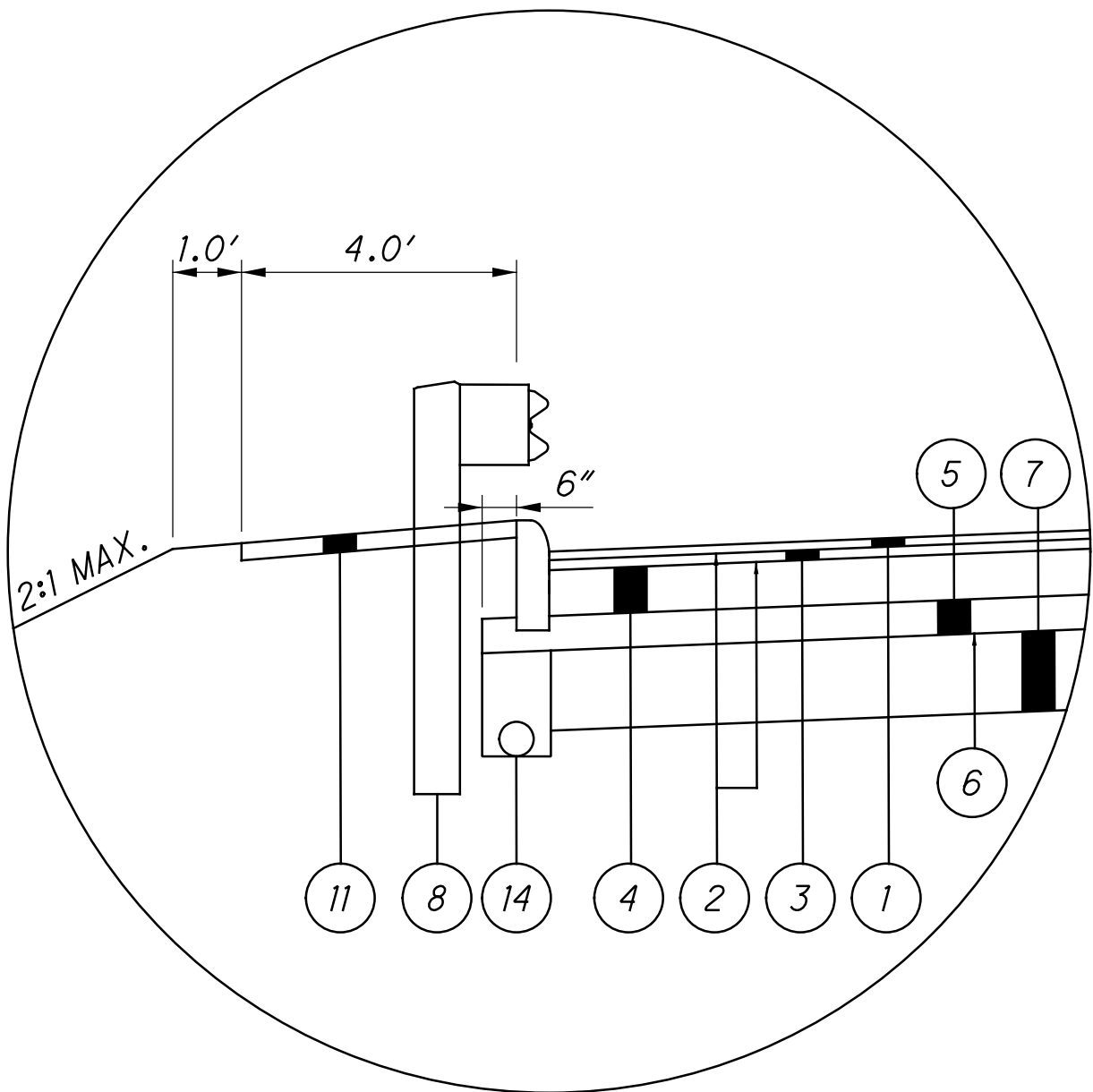
SEE SHEET 7 FOR PAVEMENT REPLACEMENT DETAIL

**UNDERDRAIN REPLACEMENT DETAIL**

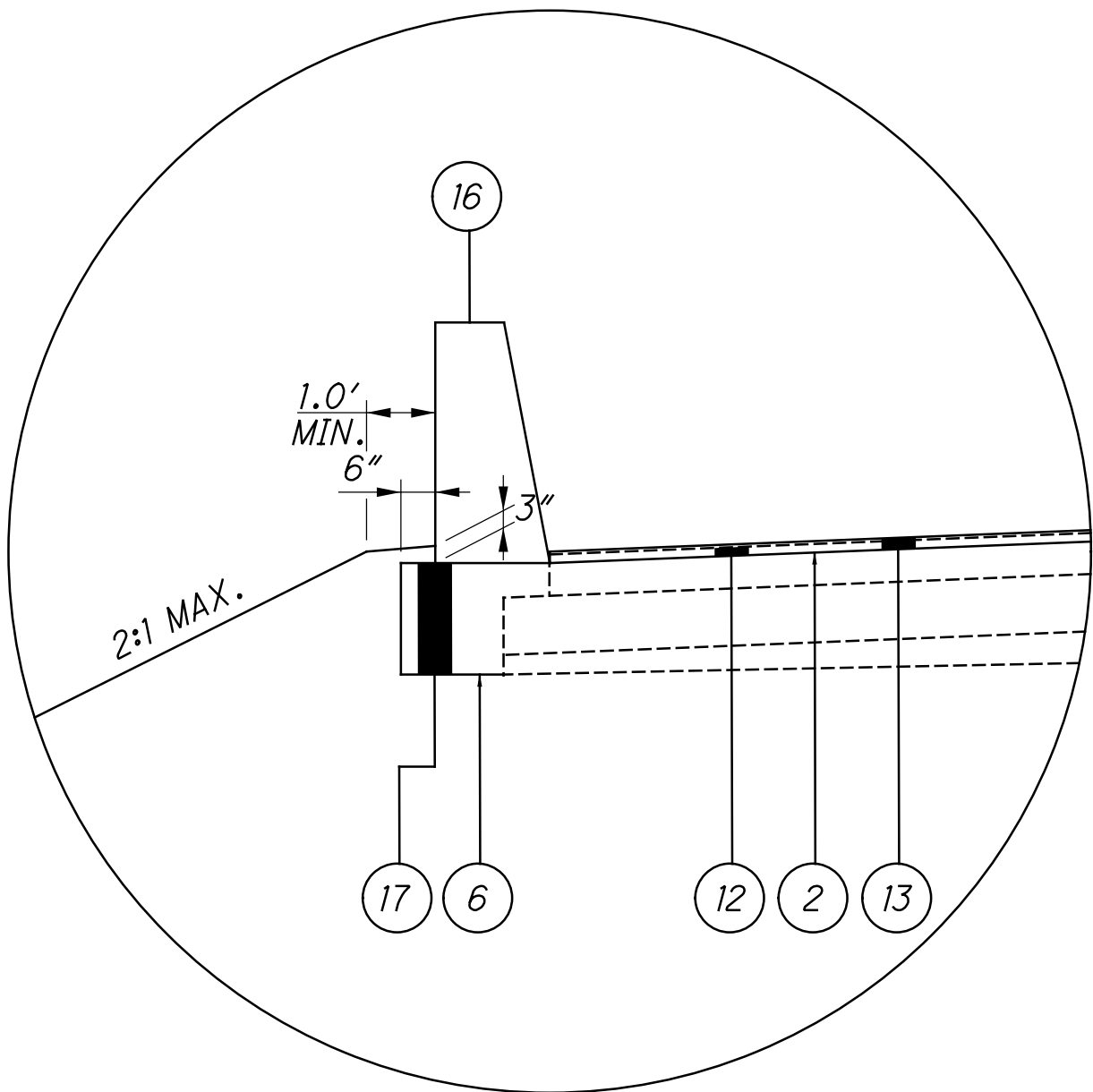
STA. 341+89.56 TO STA. 343+02.00



**PAVING UNDER GUARDRAIL DETAIL (WITHOUT CURB)**



**PAVING UNDER GUARDRAIL DETAIL (WITH CURB)**



**CONCRETE BARRIER REPLACEMENT DETAIL**

FOR LEGEND, SEE SHEET 3

2025-03-24 - BU-28A - RECORD DRAWING PLANS

TYPICAL SECTIONS - PROPOSED SR-8

SUM-76 / 77 / 8 /  
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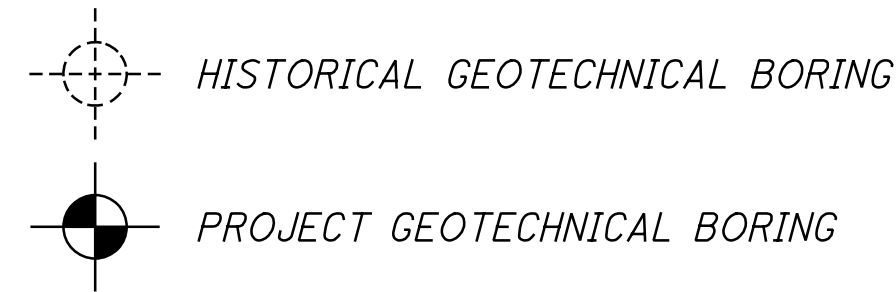
PLAN ABBREVIATIONS

THE FOLLOWING LIST OF ABBREVIATION DEFINITIONS IS USED FOR THIS PLAN SET:

| ABBREVIATION | DESCRIPTION                 |
|--------------|-----------------------------|
| ATG          | ADJUSTED TO GRADE           |
| AA           | ANCHOR ASSEMBLY             |
| APP          | AS PER PLAN                 |
| ASPH.        | ASPHALT                     |
| AVE.         | AVENUE                      |
| B            | BASELINE                    |
| BM           | BENCH MARK                  |
| BLVD.        | BOULEVARD                   |
| BTA          | BRIDGE TERMINAL ASSEMBLY    |
| CB           | CATCH BASIN                 |
| C            | CENTERLINE                  |
| CONC.        | CONCRETE                    |
| CONST.       | CONSTRUCTION                |
| CONT'D       | CONTINUED                   |
| CORP.        | CORPORATION                 |
| CMP          | CORRUGATED METAL PIPE       |
| CU YD        | CUBIC YARD                  |
| CI           | CURB INLET                  |
| CS           | COMBINED SEWER              |
| DIST.        | DISTANCE                    |
| DND          | DO NOT DISTURB              |
| DR.          | DRIVE/DRIVEWAY              |
| EA.          | EACH                        |
| EDA          | EARTH DISTURBED AREA        |
| EB           | EASTBOUND                   |
| EL           | EDGE LINE                   |
| EOI          | END OF INFORMATION          |
| EORI         | END OF RECORDED INFORMATION |
| EOP          | EDGE OF PAVEMENT            |
| EOS          | EDGE OF SHOULDER            |
| ELEC.        | ELECTRIC                    |
| ELEV.        | ELEVATION                   |
| EST.         | ESTIMATE/ESTIMATED          |
| EXC.         | EXCAVATION                  |
| EX.          | EXISTING                    |
| FT.          | FEET                        |
| FH           | FIRE HYDRANT                |
| F            | FLOW LINE                   |
| GR           | GUARDRAIL                   |
| HW           | HEADWALL                    |
| HWY.         | HIGHWAY                     |
| IN.          | INCHES                      |
| INT.         | INTERSECTION                |
| INV.         | INVERT                      |
| IR           | INTERSTATE ROUTE            |
| ITS          | INTELLIGENT TRANSPORTATION  |
|              | SYSTEMS                     |
| LIN.         | LINEAR                      |
| MOT          | MAINTENANCE OF TRAFFIC      |
| MH           | MANHOLE                     |
| MAX.         | MAXIMUM                     |
| MGS          | MIDWEST GUARDRAIL SYSTEM    |
| MI.          | MILE(S)                     |
| MIN.         | MINIMUM                     |
| MO.          | MONTH(S)                    |
| N            | NORTH                       |
| NB           | NORTHBOUND                  |
| NE           | NORTHEAST                   |
| NW           | NORTHWEST                   |
| NO.          | NUMBER                      |
| N.T.S.       | NOT TO SCALE                |
| OVHD.        | OVERHEAD                    |
| PVMT         | PAVEMENT                    |
| PL.          | PLACE                       |
| PCB          | PORTABLE CONCRETE BARRIER   |
| PG           | PROFILE GRADE               |
|              |                             |
|              |                             |

PLAN ABBREVIATIONS (CONT'D)

| ABBREVIATION | DESCRIPTION                 |
|--------------|-----------------------------|
| PGL          | PROFILE GRADE LINE          |
| P            | PROPERTY LINE               |
| PROP.        | PROPOSED                    |
| QL           | (SUE) QUALITY LEVEL         |
| RAD.         | RADIUS                      |
| REF.         | REFERENCE                   |
| REINF.       | REINFORCED                  |
| RMVD.        | REMOVED                     |
| RES.         | RESIDENTIAL                 |
| RD.          | ROAD                        |
| RCP          | ROCK CHANNEL PROTECTION     |
| RNDG.        | ROUNDING                    |
| RTG          | RECONSTRUCTED TO GRADE      |
| SEC.         | SECTION                     |
| SHT.         | SHEET                       |
| SHLDR.       | SHOULDER                    |
| S            | SOUTH                       |
| SB           | SOUTHBOUND                  |
| SE           | SOUTHEAST                   |
| SW           | SOUTHWEST                   |
| SQ FT        | SQUARE FEET                 |
| SQ YD        | SQUARE YARD                 |
| STD.         | STANDARD                    |
| STA.         | STATION                     |
| ST.          | STREET                      |
| STRUCT.      | STRUCTURE                   |
| TELE.        | TELEPHONE                   |
| TEMP.        | TEMPORARY                   |
| TBR          | TO BE REMOVED               |
| TBRR         | TO BE REMOVED AND RELOCATED |
| TOT.         | TOTAL                       |
| TWP.         | TOWNSHIP                    |
| TYP.         | TYPICAL                     |
| US           | UNITED STATES ROUTE         |
| VAR.         | VARIABLE/VARIES             |
| VC           | VERTICAL CURVE              |
| V.C.         | VERTICAL CLEARANCE          |
| Vdes         | DESIGN SPEED                |
| WM           | WATER MAIN                  |
| WV           | WATER VALVE                 |
| WB           | WESTBOUND                   |



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

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

GAS  
DOMINION EAST OHIO  
ATTN: COREY ROLLINS  
OFFICE (330) 664-2754  
KEVIN BIRT  
OFFICE (330) 664-2409  
320 SPRINGSIDE DR.  
SUITE 320  
AKRON, OH 44333

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

ELECTRIC  
FIRST ENERGY  
ATTN: CRAIG BUTLER  
OFFICE (330) 436-4153  
ATTN: ROSS CATANESE  
OFFICE (330) 436-4177  
CELL (330) 807-0338  
ATTN: ERIC LIVESAY  
OFFICE (330) 294 6310  
CELL (330) 618-6903  
1910 W. MARKET ST.  
BLDG. 3  
AKRON, OH 44313

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  
ATTN: MIKE LUPICA  
OFFICE (330) 375-2851  
FAX (330) 375-2307  
CELL (330) 812-7550

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

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

ODOT OFFICE OF TECHNICAL  
SERVICES  
ATTN: SANDRA MAPEL (FIELD  
OPERATIONS)  
OFFICE (614) 644-0291  
TRAFFIC MONITORING SECTION  
ODOT  
1980 WEST BROAD STREET  
COLUMBUS, OHIO 43223

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

ODOT ITS  
1606 W. BROAD ST.  
COLUMBUS, OH 43223  
CEN.ITS.LAB@DOT.OHIO.GOV  
(614) 387-4113

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

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.

| ISSUE RECORD: BU-28A ROADWAY |      |             | CALCULATED | JTB | CHECKED | EAK |
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ITEM 609 - CURB, TYPE 4-C, AS PER PLAN

ALL REQUIREMENTS ODOT STANDARD ROADWAY CONSTRUCTION DRAWIN BP 5.1 SHALL APPLY WITH THE FOLLOWING MODIFICATIONS: THE DEPTH OF THE CURB OR COMBINATION CURB AND GUTTER SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF CURB RESTS DIRECTLY ON THE TOP OF THE AGGREGATE BASE LAYER. SEE TYPICAL SECTIONS FOR MORE INFORMATION.

ITEM 511 WINGWALLS OR HEADWALLS FOR 611 ITEMS

FOR ITEMS 706.05, 706.051, 706.052 AND 706.053 WITH A CAST-IN-PLACE WINGWALL OR HEADWALL A PRECAST ALTERNATIVE MAY BE FURNISHED PER 602.03. THE PRECAST ALTERNATIVE WILL MEET THE CAST-IN-PLACE STRUCTURAL DESIGN LOADINGS, DESIGN HEIGHT, AND DESIGN LENGTH DIMENSIONS.

FULL COMPENSATION FOR THE PRECAST WINGWALL OR HEADWALL IS THE NUMBER OF CUBIC YARDS OF ITEM 511 AND POUNDS OF ITEM 509 FOR THE CORRESPONDING CAST-IN-PLACE STRUCTURE.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E, MASH

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 G REFLECTIVE SHEETING, PER CMS 730.19.

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.

2025-03-24 - BU-28A - RECORD DRAWING PLANS

GENERAL NOTES

SUM-76 / 77 / 8 /  
8.24 / 09.74 / 0.00

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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.

UNDERDRAIN CONNECTIONS AT SAWCUTS

AT THE START, END OR WIDENING OF ALL FULL-DEPTH PAVEMENT SECTIONS SHOWN IN THE PLANS, CONTRACTOR SHALL CONNECT PROPOSED UNDERDRAINS TO EXISTING AND ENSURE POSITIVE DRAINAGE IS MAINTAINED.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING ALONG WITH PHOTOS BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

ITEM 304 - AGGREGATE BASE, AS PER PLAN

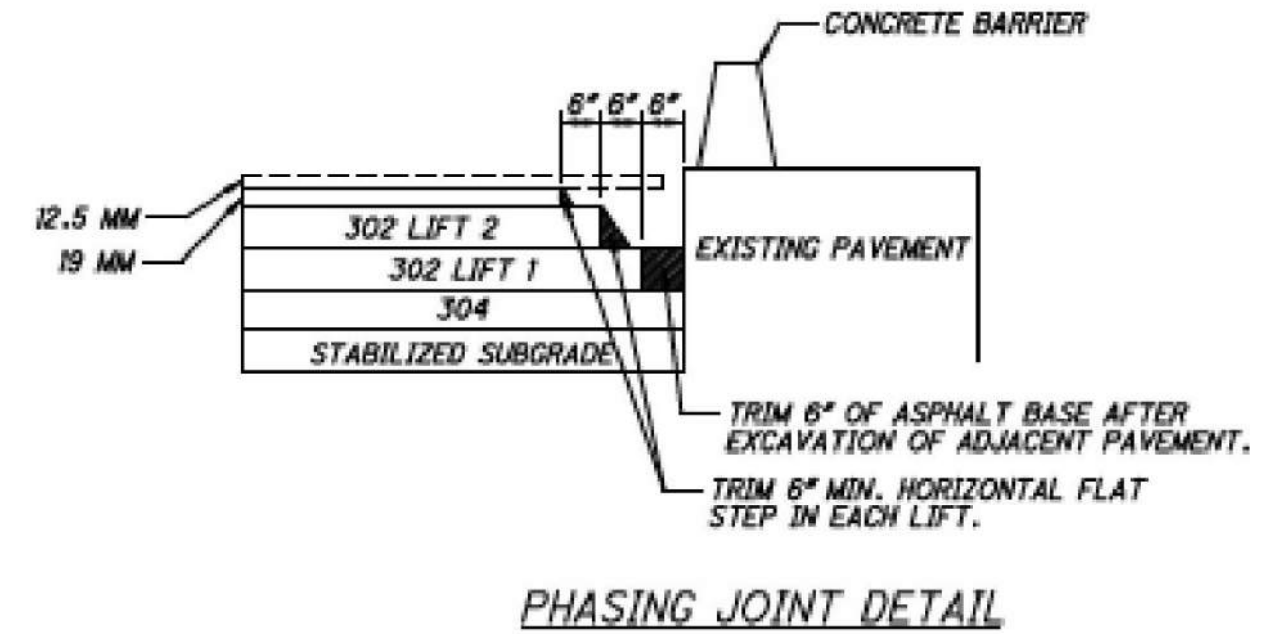
GRANULATED SLAG (GS) SHALL NOT BE PERMITTED FOR THIS ITEM. ALL OTHER REQUIREMENTS OF SECTIONS 304 AND 703.17 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL STILL BE APPLICABLE.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, AS PER PLAN

703.05 DO NOT USE COARSE AGGREGATE FROM A SOURCE DESIGNATED 'SR' OR 'SRH' ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (OMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.

PHASE JOINT FOR ASPHALT PAVEMENT

PER THE PHASING JOINT DETAIL, BEFORE PAVING AGAINST THE PHASE JOINT, THE CONTRACTOR SHALL MILL OUT THE UNCONSOLIDATED EDGE OF EACH PAVEMENT COURSE TO PROVIDE THE APPROPRIATE STEPS INT PAVEMENT JOINT, WHILE REMOVING THE UNCONSOLIDATED MATERIAL, PER THE DETAIL SHOWN UPON COMPLETION OF THE MILLING, THE VERTICAL FACES SHALL BE SEALED WITH SUPPLEMENTAL SPECIFICATION 875.02 HOT APPLIED ASPHALT JOINT ADHESIVE TO PROVIDE 100% COVERAGE OF THE JOINTS. THE COST FOR THE MILLING AND SEALING SHALL BE INCIDENTAL TO THE COST OF THE PAVEMENT ITEMS.

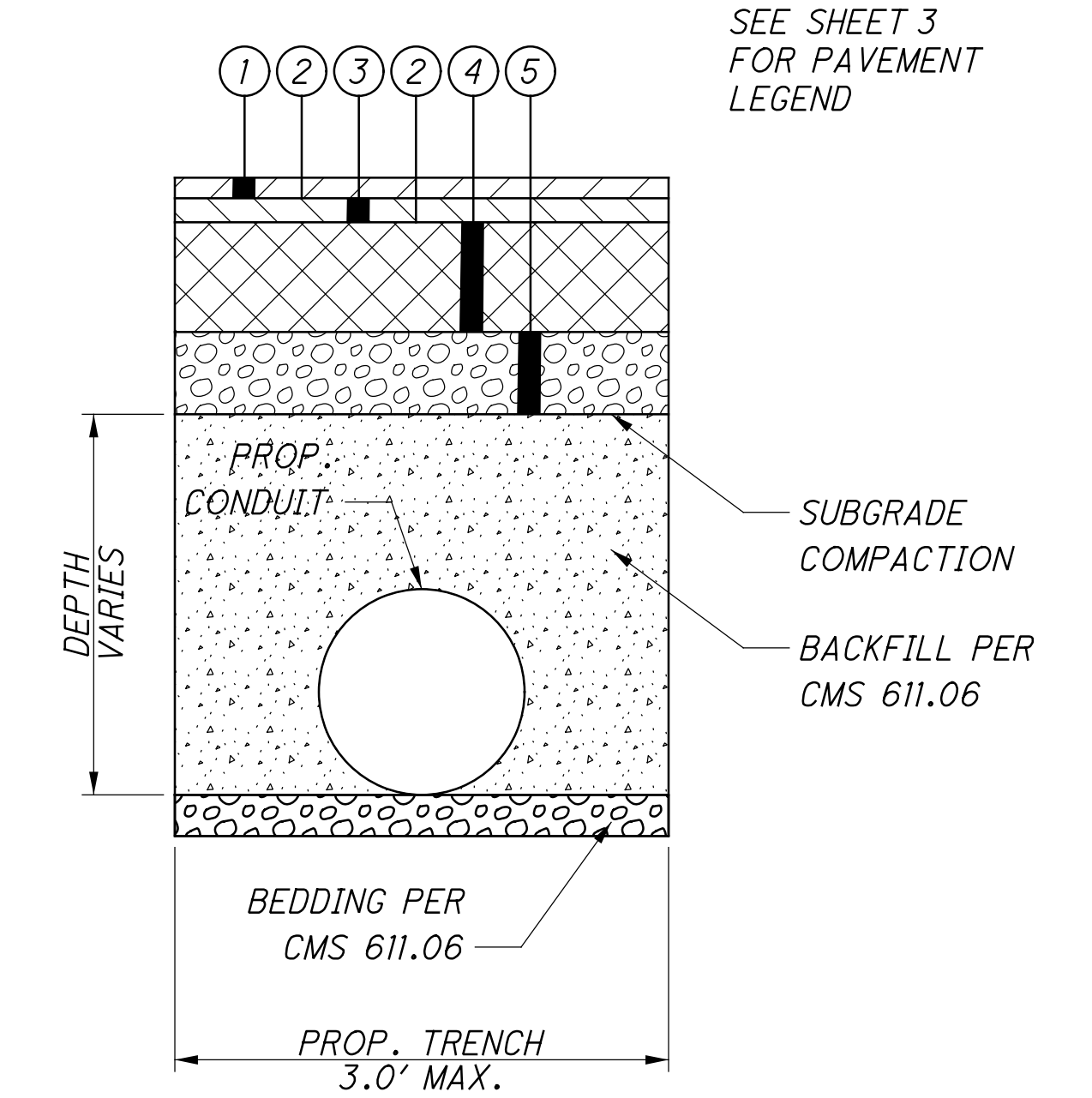


ITEM 442 - ANTI-SEGREGATION EQUIPMENT

PROVIDE ANTI-SEGREGATION EQUIPMENT FOR ALL COURSES OF UNIFORM THICKNES IN ACCORDANCE WITH CMS 401.12.

ITEM 252 FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT

IN ACCORDANCE ITEM 252 - FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, THIS ITEM SHALL BE USED WHEN NEW STORM SEWER CONDUIT AND/OR NEW MEDIAN INLETS ARE TO BE PLACED IN RESURFACING AREAS. SEE DETAIL BELOW FOR PROPOSED PAVEMENT AND TRENCH DETAIL FOR CONDUIT INSTALLATION.



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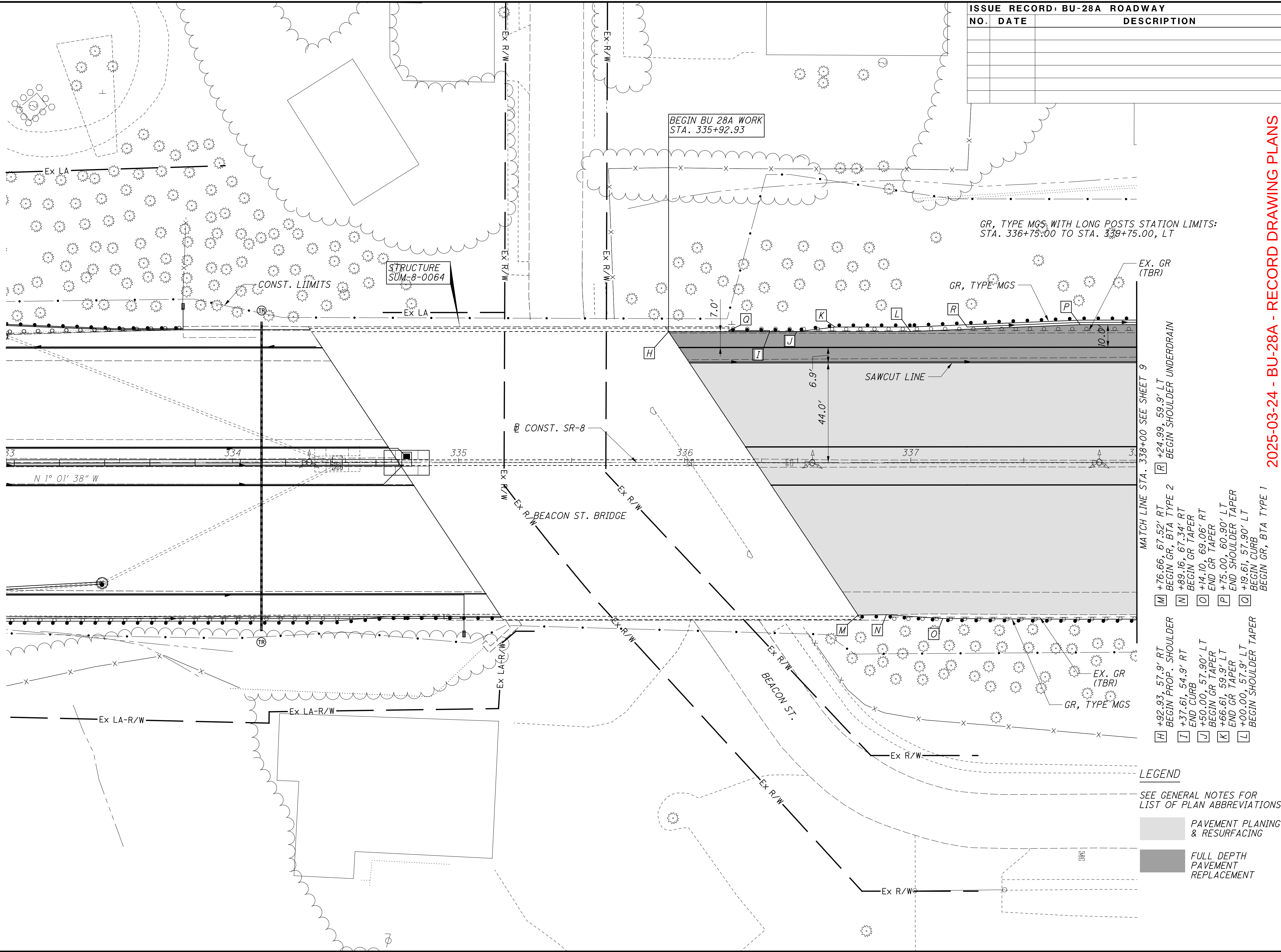
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GENERAL NOTES

2025-03-24 - BU-28A - RECORD DRAWING PLANS

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PLAN - SR-8

STA. 333+00 TO STA. 338+00

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

2025-03-24 - BU-28A - RECORD DRAWING PLANS

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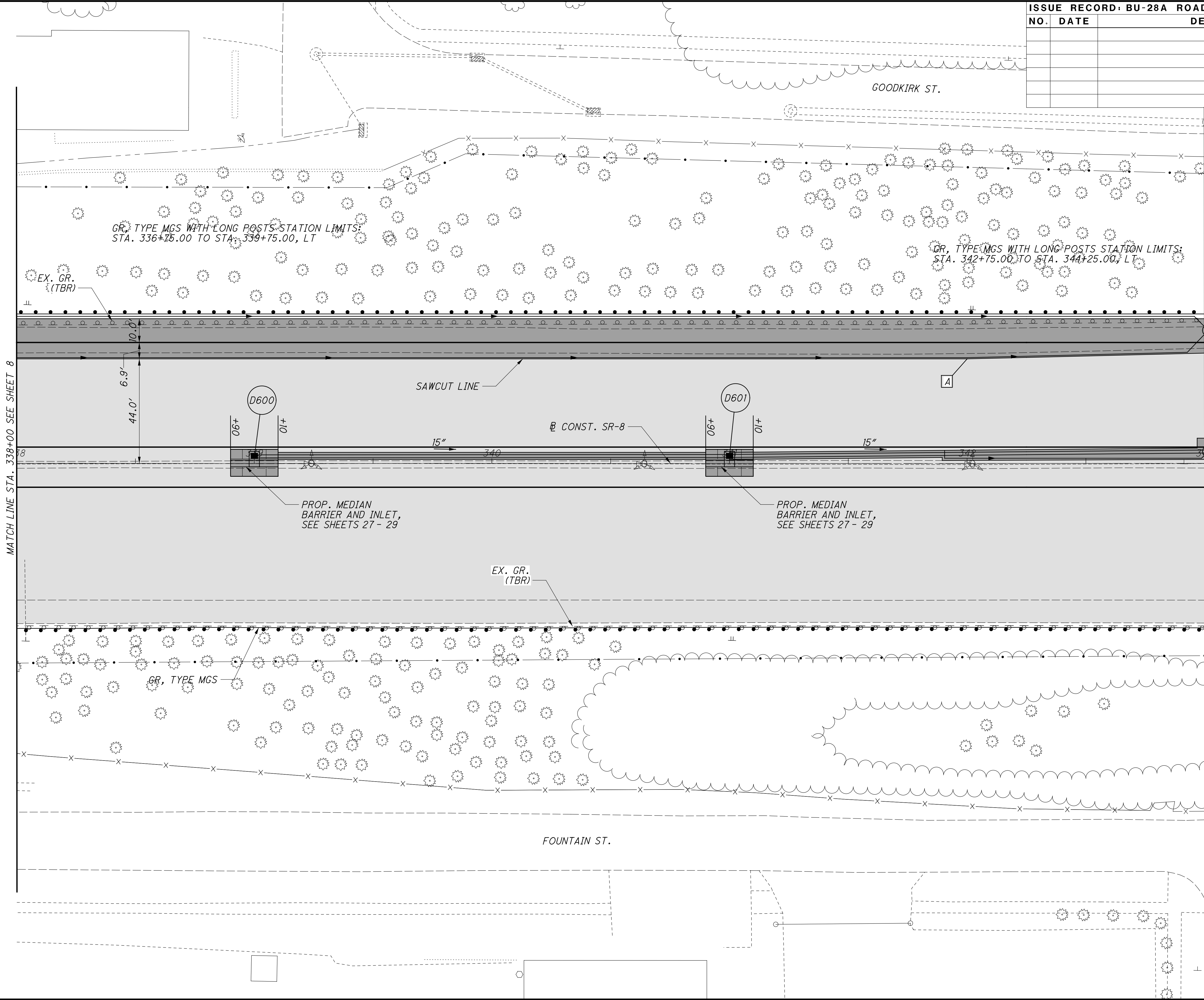
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A +00.05, 44.00' LT  
BEGIN SAWCUT TAPER



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PLAN - SR-8

STA. 338+00 TO STA. 343+00

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+00.77, 50.90' LT  
BEGIN PAVEMENT TAPER
- B

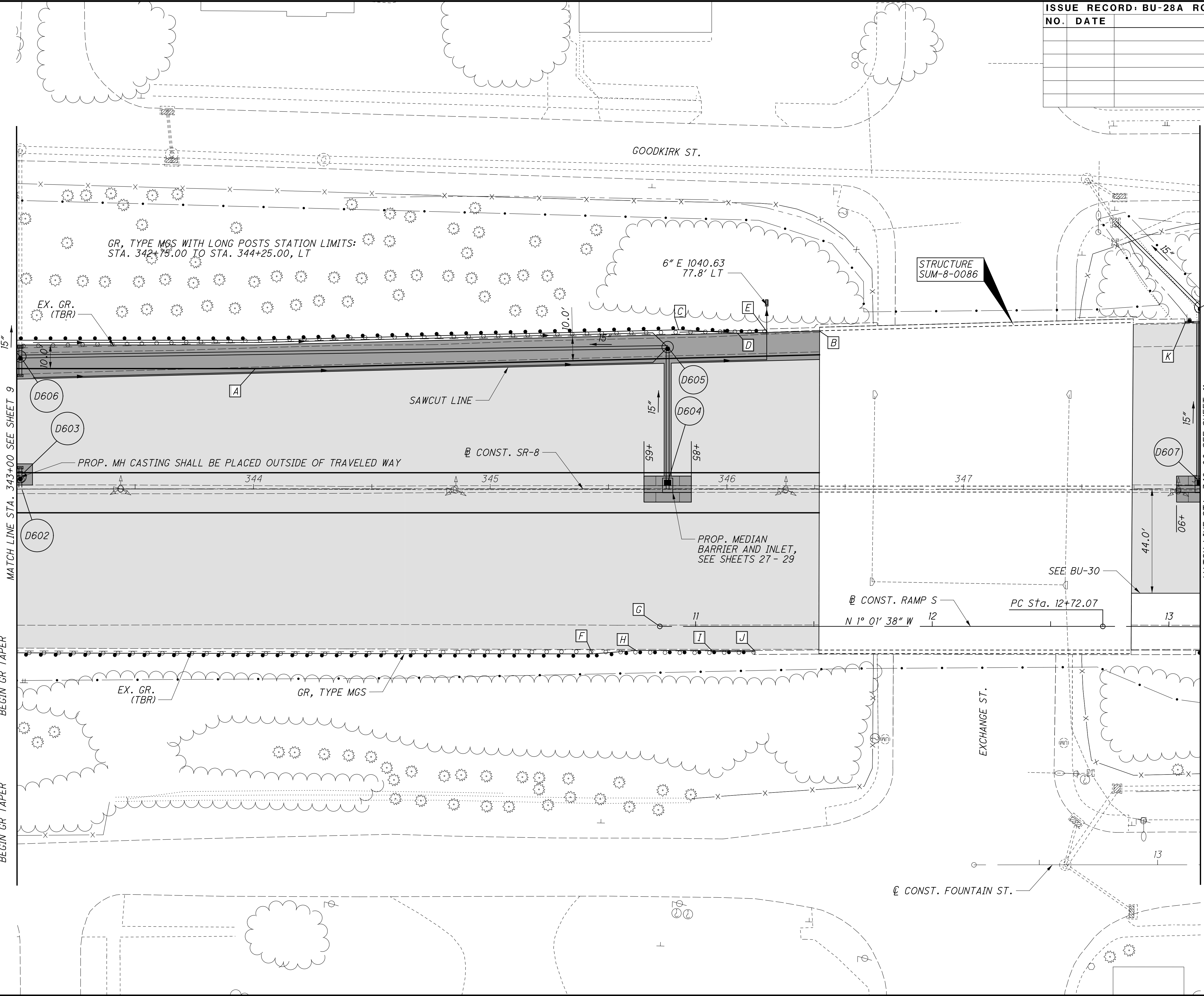
+39.22, 66.72' LT  
END PROPOSED SHOULDER
- C

+79.64, 67.27' LT  
BEGIN GR TAPER
- D

+04.41, 65.89' LT  
END GR TAPER
- E

+17.02, 66.18' LT  
END GR, BTA, TYPE 2
- F

+43.20, 69.6' RT  
BEGIN GR TAPER



- G

CONST. SR-8 STA. 345+71.68, 58.00' RT =
- H

CONST. RAMP S STA. 10+84.88, 0.00' RT
- I

+61.59, 68.2' RT  
END GR TAPER
- J

+93.59, 68.1' RT  
BEGIN CURB
- K

+11.59, 68.1' RT  
END CURB
- L

+93.69, 70.22' LT  
BEGIN CURB
- M

+11.59, 68.1' RT  
END CURB
- N

+93.69, 70.22' LT  
BEGIN GR, BTA, TYPE 1

- LEGEND

SEE GENERAL NOTES FOR LIST OF PLAN ABBREVIATIONS
- PAVEMENT PLANING & RESURFACING

FULL DEPTH PAVEMENT REPLACEMENT

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PLAN - SR-8

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STA. 343+00 TO STA. 348+00

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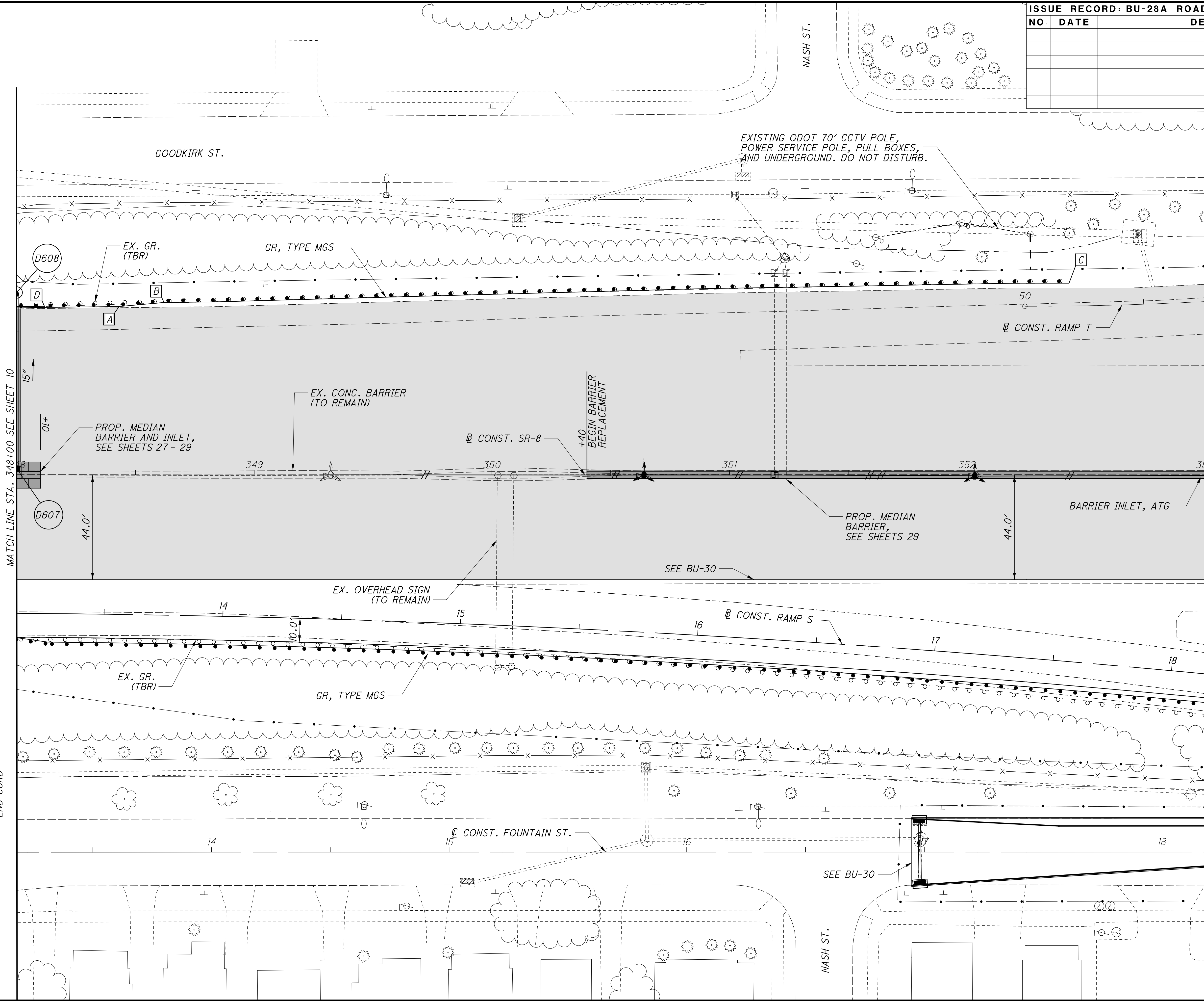
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- A +62.00, 72.61' LT  
BEGIN GR TAPER
- B +46.06, 72.44' LT  
END GR TAPER
- C +42.92, 80.73' LT  
END GR, AA TYPE E
- D +11.69, 70.52' LT  
END CURB



LEGEND

SEE GENERAL NOTES FOR LIST OF PLAN ABBREVIATIONS

PAVEMENT PLANING & RESURFACING

FULL DEPTH PAVEMENT REPLACEMENT

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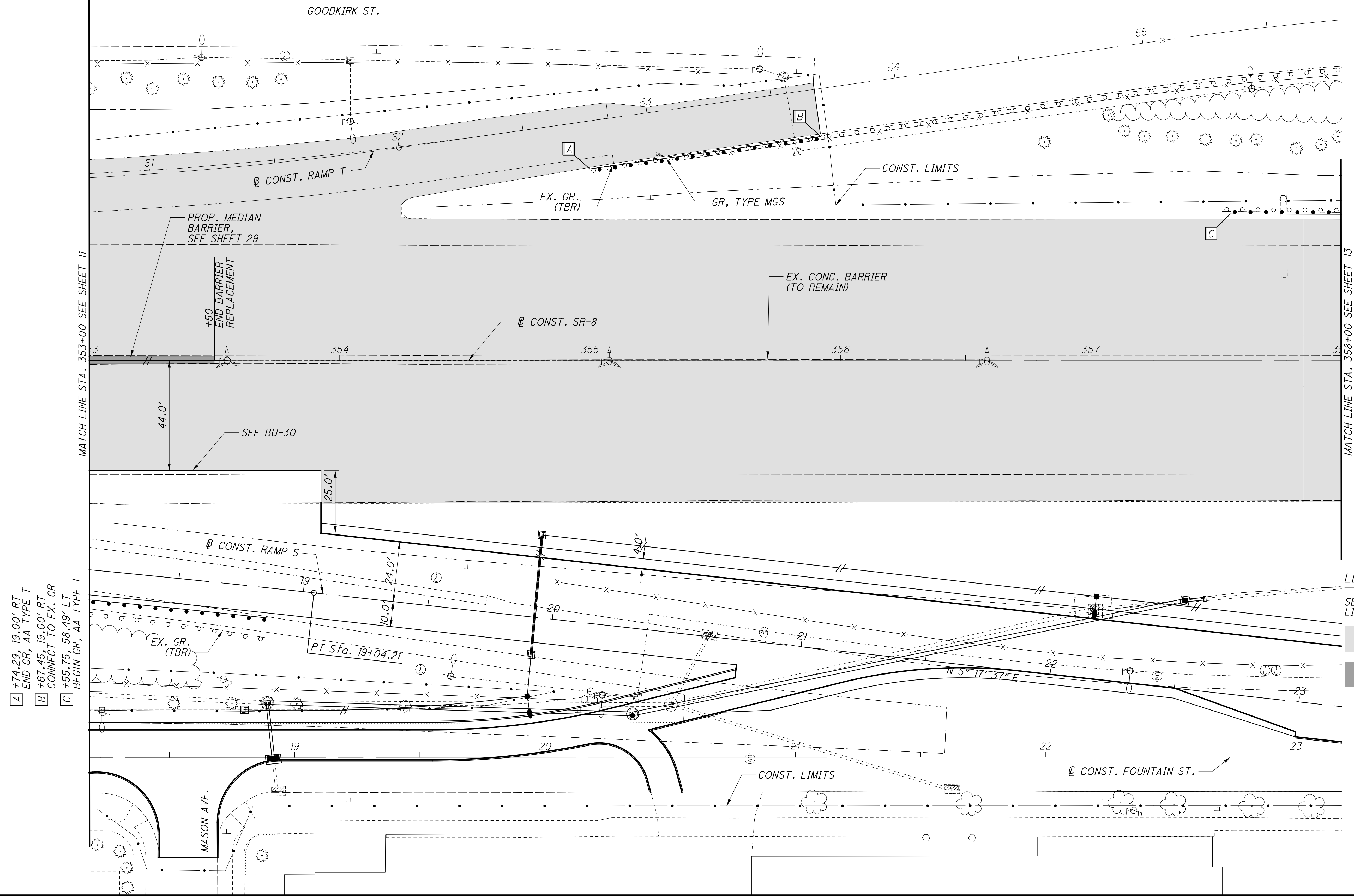
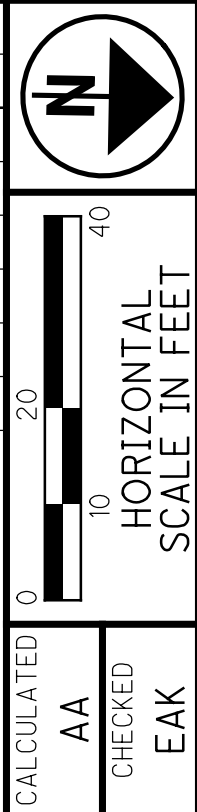
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PLAN - SR-8

STA. 348+00 TO STA. 353+00

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|  | PAVEMENT PLANING & RESURFACING                   |
|  | FULL DEPTH PAVEMENT REPLACEMENT                  |

**BU-28A - RECORD DRAWING PLANS**

**PLAN - SR-8**

**STA. 353+00 TO STA. 358+00**

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+93.26, 58.34' LT  
END GR, AA TYPE E
- B

+64.10, 58.59' RT  
END GR, AA TYPE E
- C

+67.08, 55.17' LT  
BEGIN TYPE D BARRIER
- D

+27.15, 57.75' RT  
BEGIN GR TAPER
- E

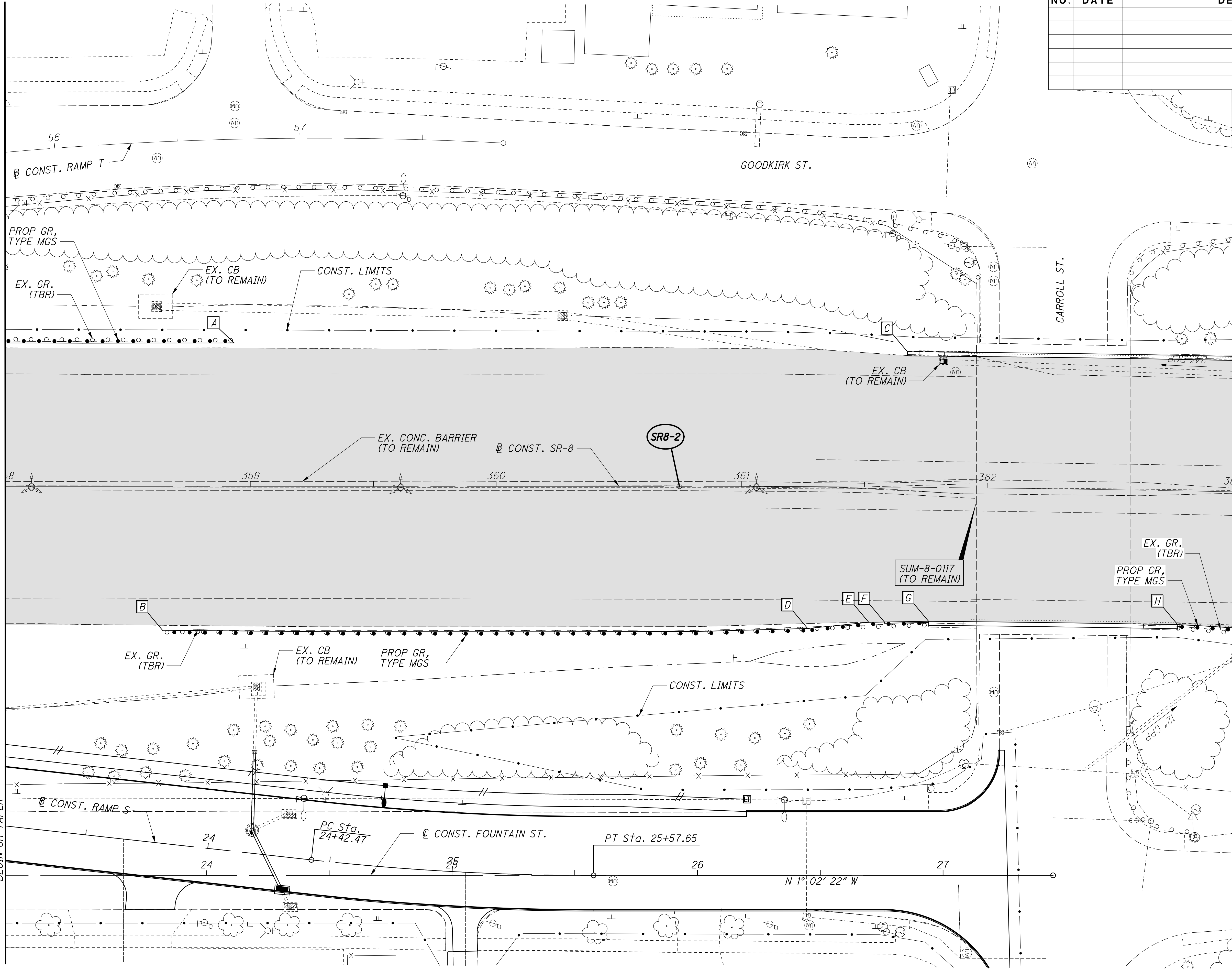
+52.13, 55.09' RT  
END GR TAPER
- F

+58.56, 54.94' RT  
BEGIN CURB
- G

+76.64, 54.48' RT  
END CURB
- H

+78.62, 54.49' RT  
END TYPE D BARRIER
- BEGIN BTA TYPE 1
- BEGIN GR, BTA TYPE 2

MATCH LINE STA. 358+00 SEE SHEET 12



LEGEND

SEE GENERAL NOTES FOR LIST OF PLAN ABBREVIATIONS

PAVEMENT PLANING & RESURFACING

SR8-2

PI Sta. 368+47.03  
 $\Delta = 7^\circ 46' 07''$  (RT)  
DC =  $0^\circ 30' 13''$   
R = 11,375.75'  
T = 772.39'  
L = 1,542.41'  
E = 26.19'  
eMAX = NC  
PC Sta. 360+74.64  
PT Sta. 376+17.05  
vDES = 60 MPH

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PLAN - SR-8  
STA. 358+00 TO STA. 363+00

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2025-03-24 - BU-28A - RECORD DRAWING PLANS

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|-----|-----------------------------------------|-----|-------------------------------------|------------|
| [E] | +26.73, 54.61' RT<br>BEGIN CURB         | [I] | +53.40, 40.43' LT<br>END CURB       | MATCH LINE |
| [F] | +44.82, 54.63' RT<br>END CURB           | [J] | +71.66, 54.40' LT<br>BEGIN GR TAPER |            |
| [G] | +89.92, 55.83' RT<br>END TYPE D BARRIER | [K] | +96.41, 56.99' LT<br>END GR TAPER   |            |
| [H] | +22.51, 53.10' LT<br>END TYPE D BARRIER |     |                                     |            |
|     | BEGIN CURB                              |     |                                     |            |

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8.24 / 9.74 / 0.00**

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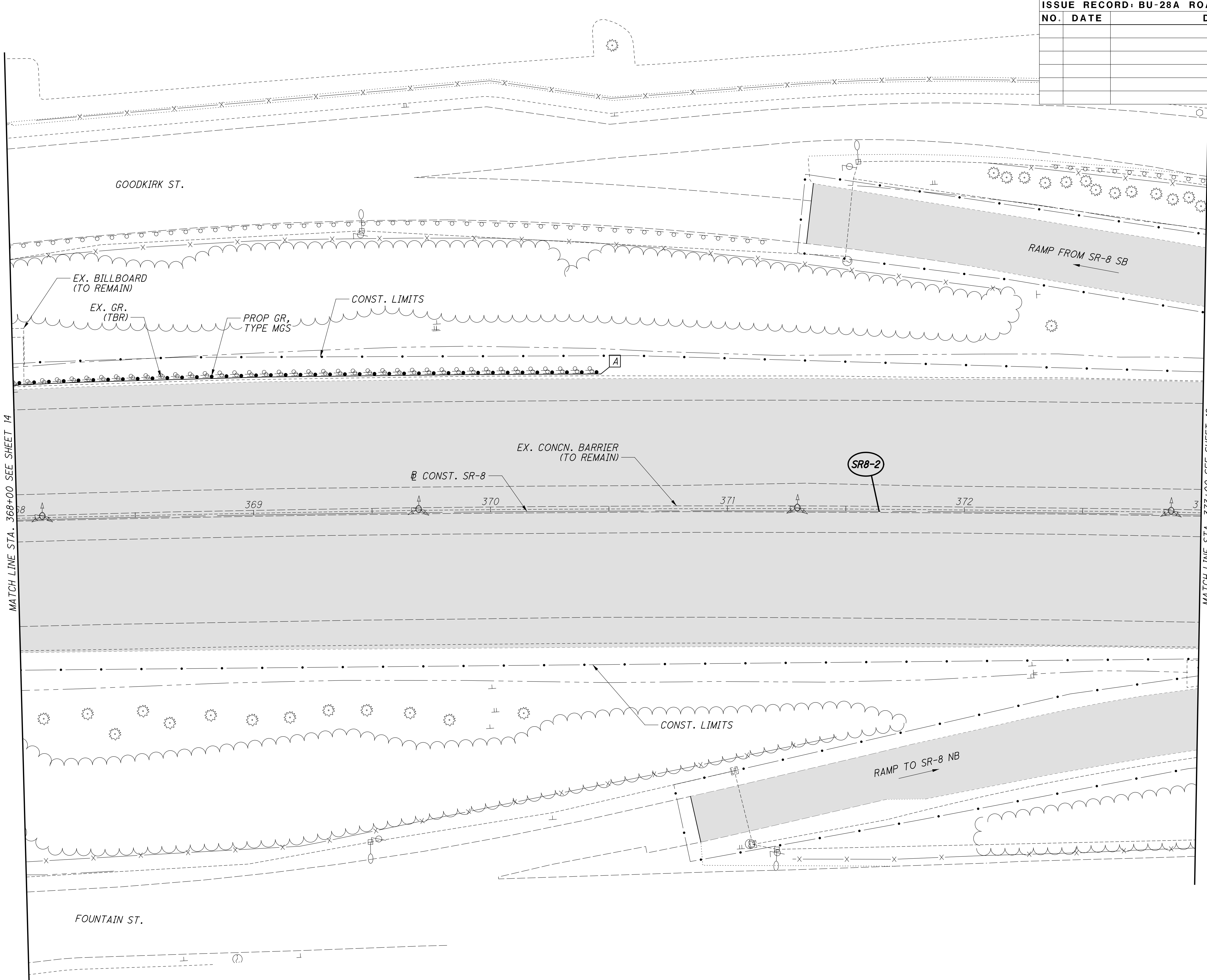
PLAN - SR-8  
STA. 363+00 TO STA. 368+00

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A +56.84, 57.90' LT  
END GR, AA TYPE E

MATCH LINE STA. 368+00 SEE SHEET 14



MATCH LINE STA. 373+00 SEE SHEET 16

SR8-2

PI Sta. 368+47.03  
 $\Delta = 7^{\circ} 46' 07''$  (RT)  
DC =  $0^{\circ} 30' 13''$   
R = 11,375.75'  
T = 772.39'  
L = 1,542.41'  
E = 26.19'  
 $\theta_{MAX} = NC$   
PC Sta. 360+74.64  
PT Sta. 376+17.05  
vDES = 60 MPH

LEGEND

SEE GENERAL NOTES FOR  
LIST OF PLAN ABBREVIATIONS

PAVEMENT PLANING  
& RESURFACING

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HORIZONTAL  
SCALE IN FEET

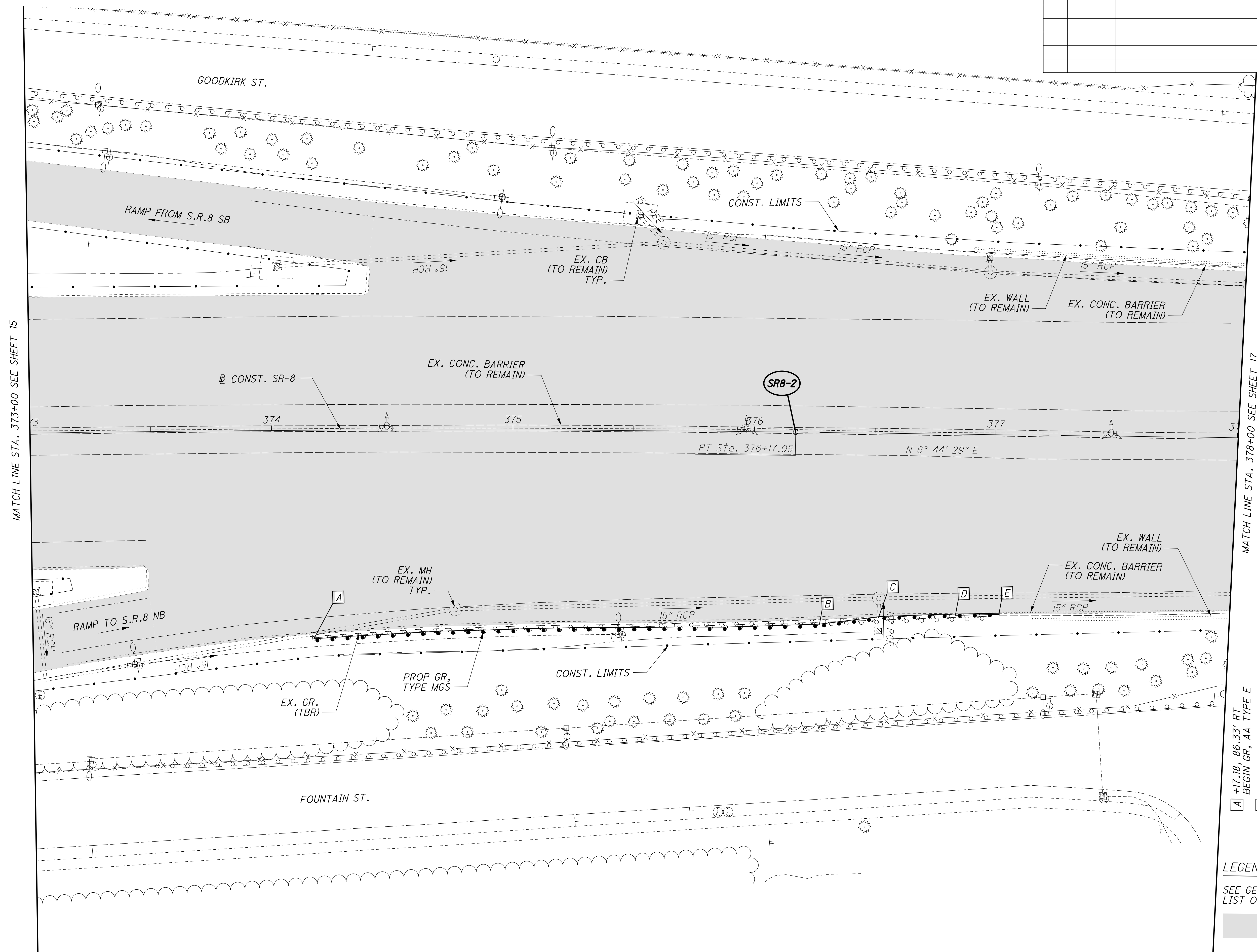
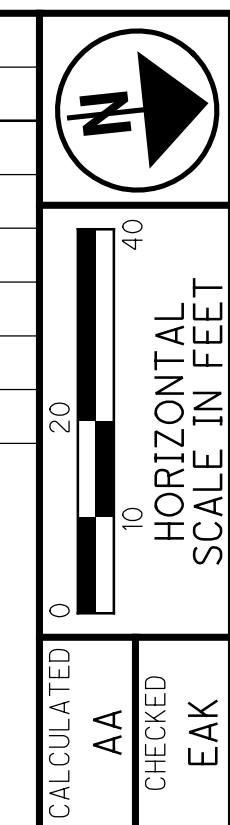
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2025-03-24 - BU-28A - RECORD DRAWING PLANS

PLAN - SR-8  
STA. 368+00 TO STA. 373+00

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

15  
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[illegible]

SR8-2

*PI Sta.* 368+47.03  
 $\Delta = 7^{\circ} 46' 07''$  (RT)  
*DC* =  $0^{\circ} 30' 13''$   
*R* = 11,375.75'  
*T* = 772.39'  
*L* = 1,542.41'  
*E* = 26.19'  
*eMAX* = NC  
*PC Sta.* 360+74.64  
*PT Sta.* 376+17.05  
*vDES* = 60 MPH

MATCH LINE STA. 378+00 SEE SHEET 17

|          |                                          |
|----------|------------------------------------------|
| <b>A</b> | +17.18, 86.33' RT<br>BEGIN GR, AA TYPE E |
| <b>B</b> | +27.93, 79.36' RT<br>BEGIN GR TAPER      |
| <b>C</b> | +52.90, 75.91' RT<br>END GR TAPER        |
| <b>D</b> | +84.26, 74.48' RT<br>BEGIN CURB          |
| <b>E</b> | +02.26, 73.93' RT<br>END CURB            |

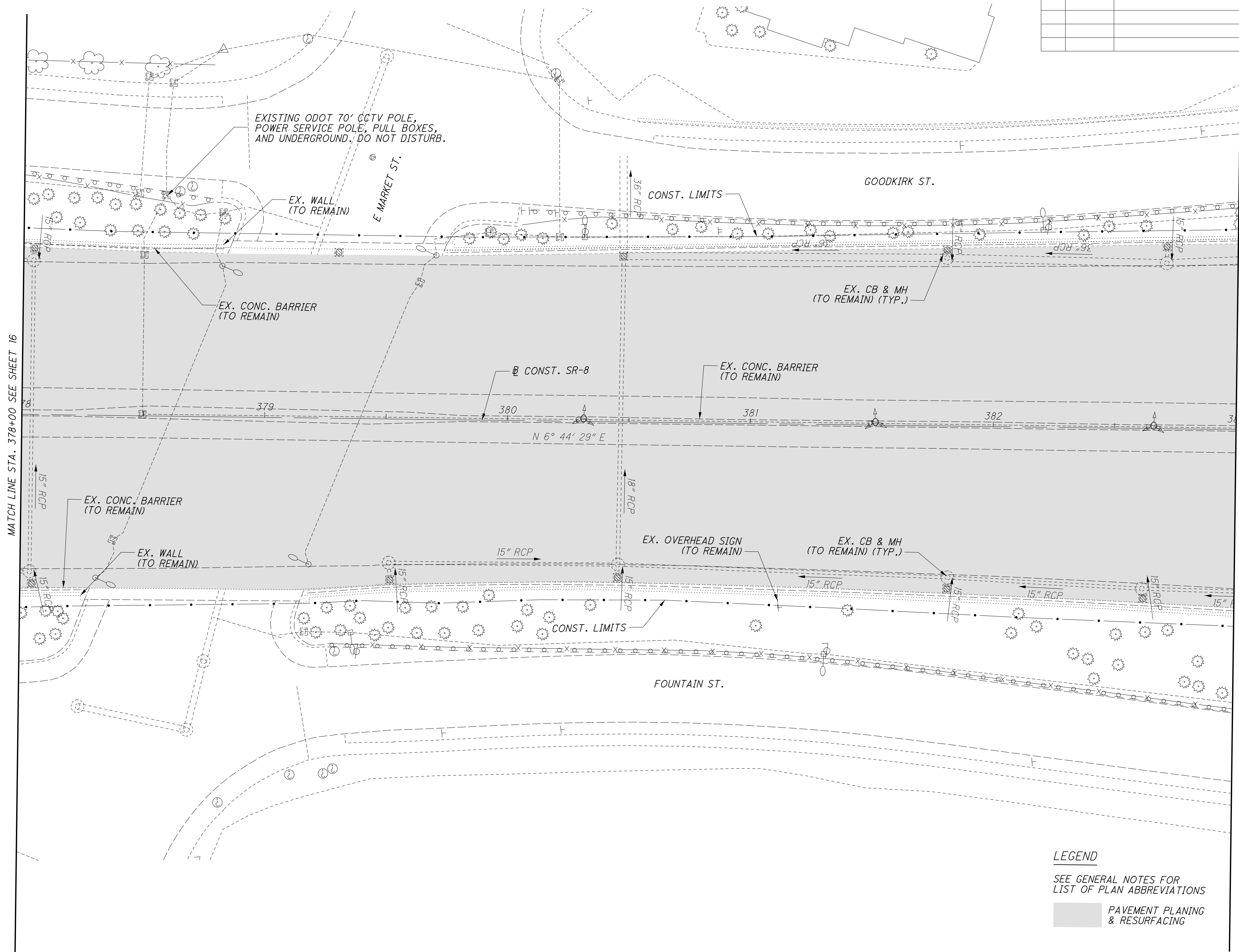
LEGEND

SEE GENERAL NOTES FOR  
LIST OF PLAN ABBREVIATIONS

PAVEMENT PLANING  
& RESURFACING

**PLAN - SR-8**  
**STA. 373+00 TO STA. 378+00**

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



| ISSUE RECORD: BU-28A ROADWAY |      |             |
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CALCULATED  
AA

CHECKED  
EAK

0 20 40  
HORIZONTAL  
SCALE IN FEET

2025-03-24 - BU-28A - RECORD DRAWING PLANS

PLAN - SR-8

STA. 378+00 TO STA. 383+00

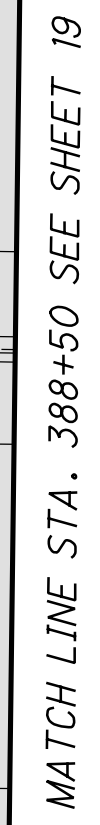
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SUM-76/77/8-  
8.24/9.74/0.00

LEGEND

SEE GENERAL NOTES FOR  
LIST OF PLAN ABBREVIATIONS

PAVEMENT PLANING  
& RESURFACING



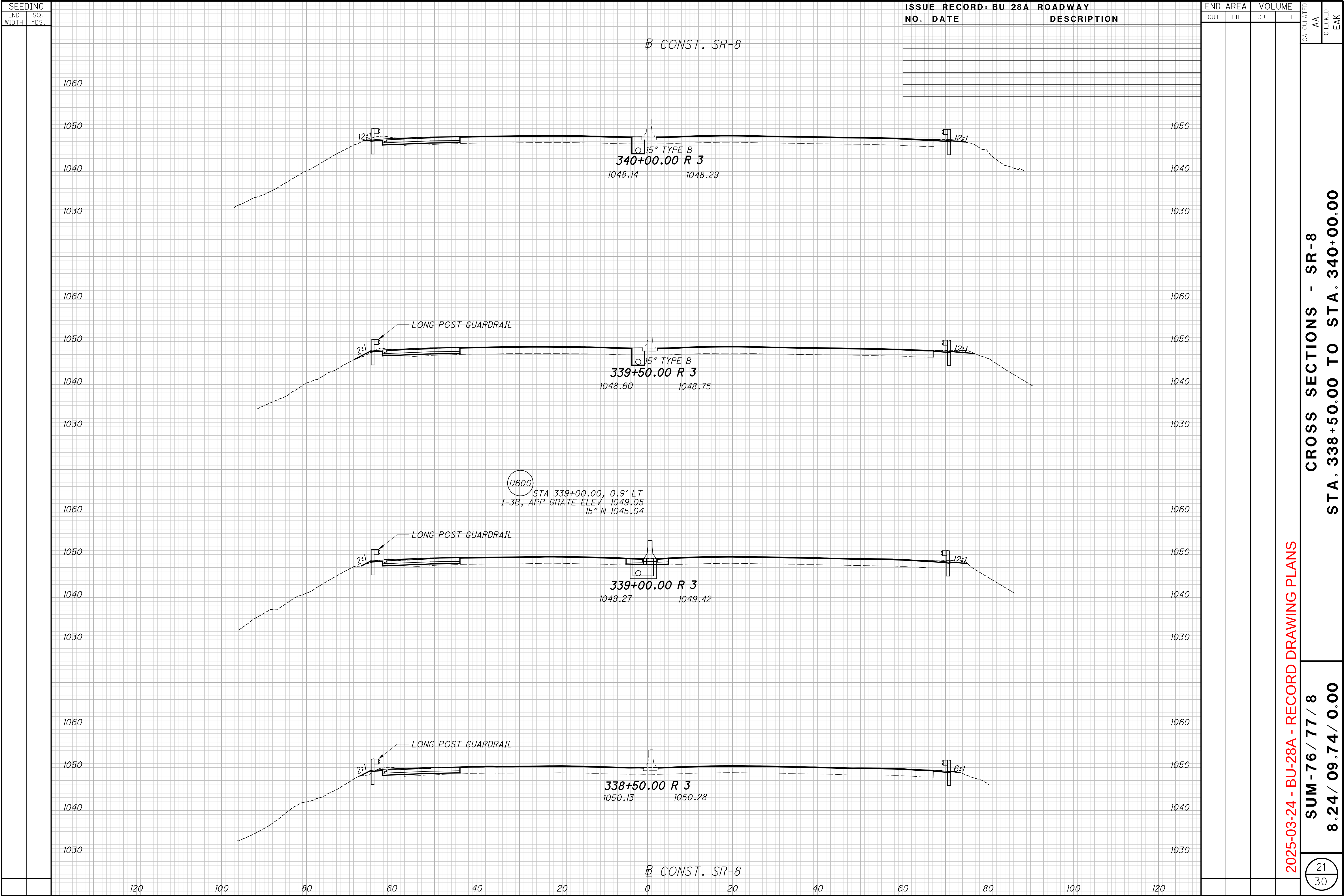
2025-03-24 - BU-28A - RECORD DRAWING PLANS

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

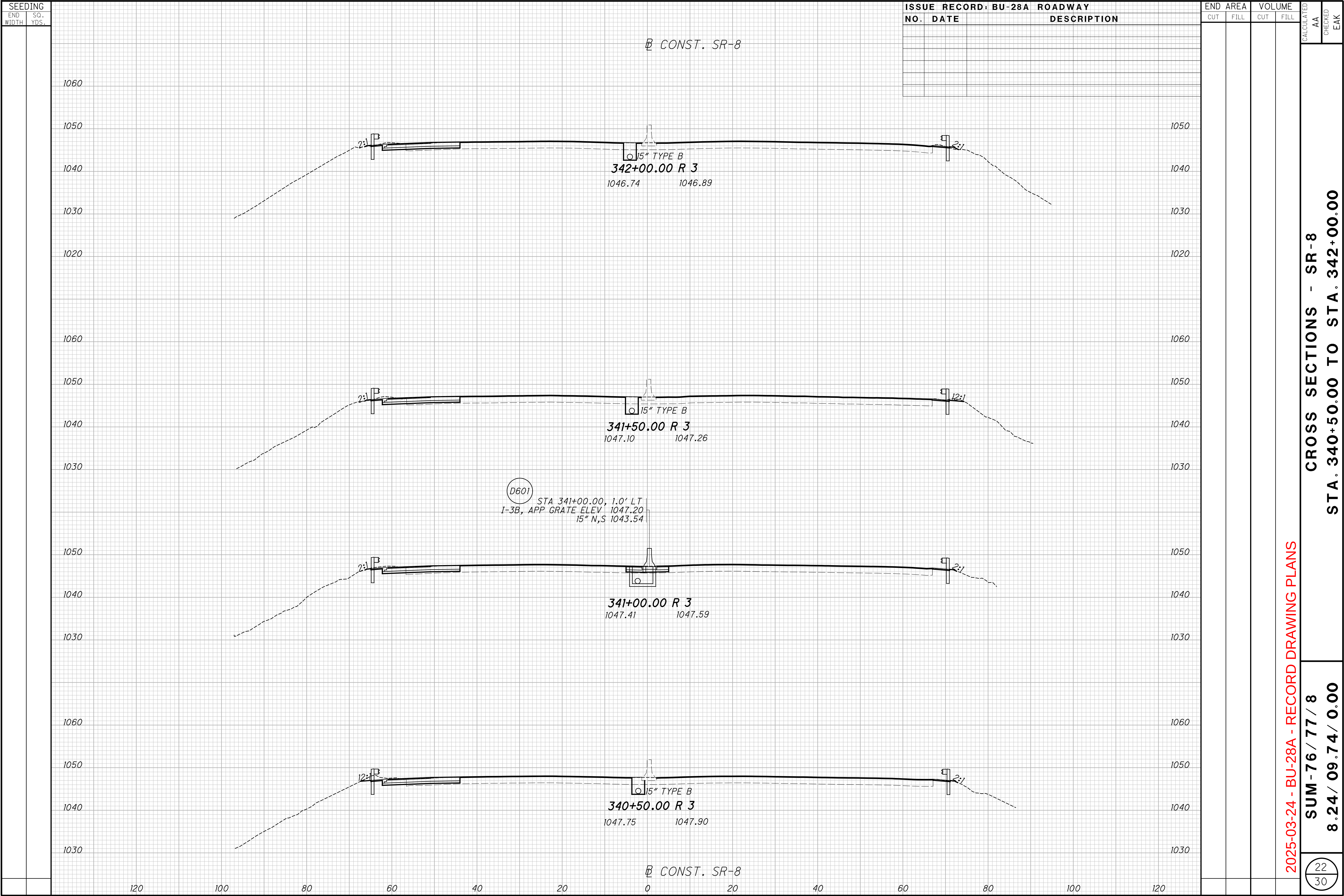




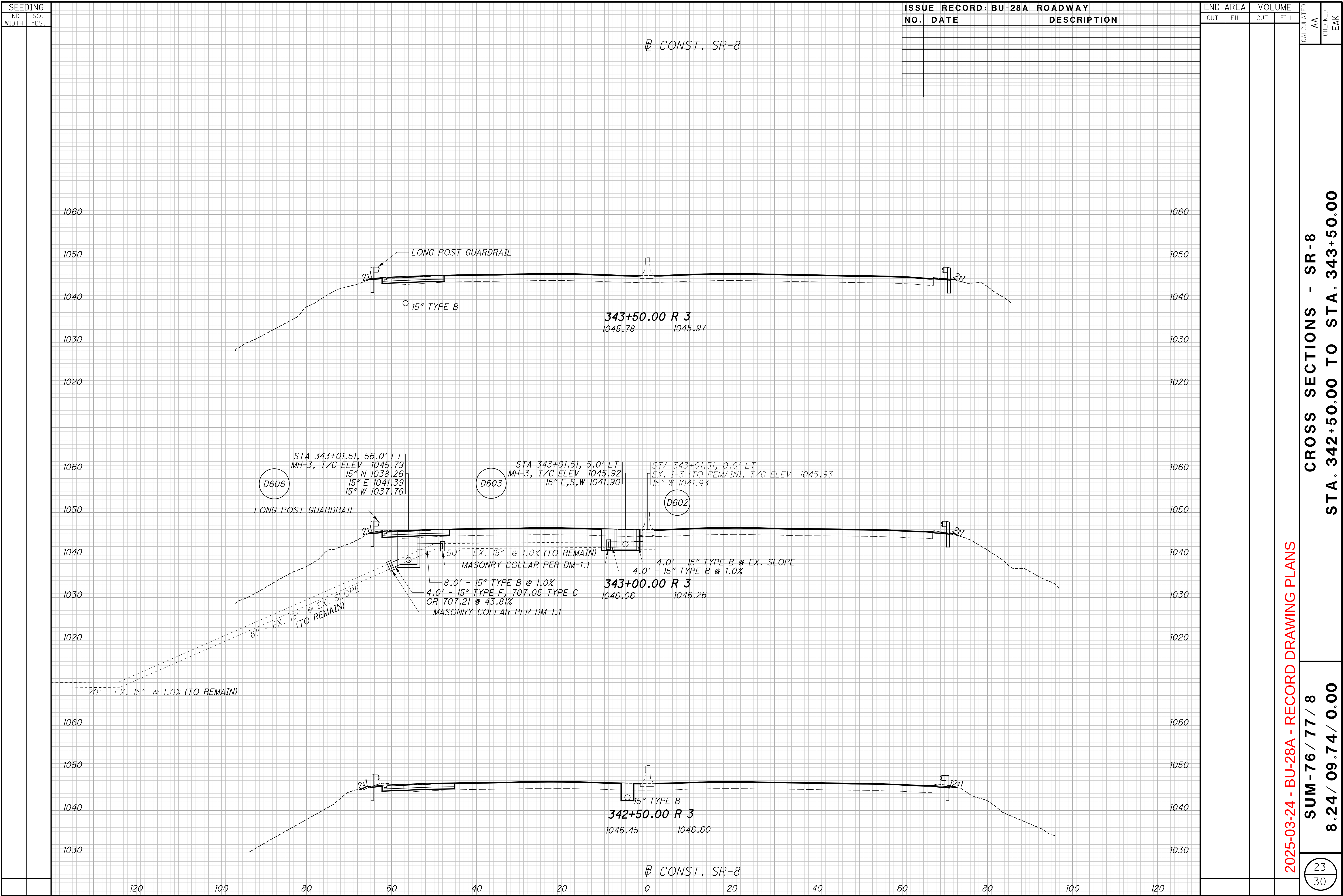
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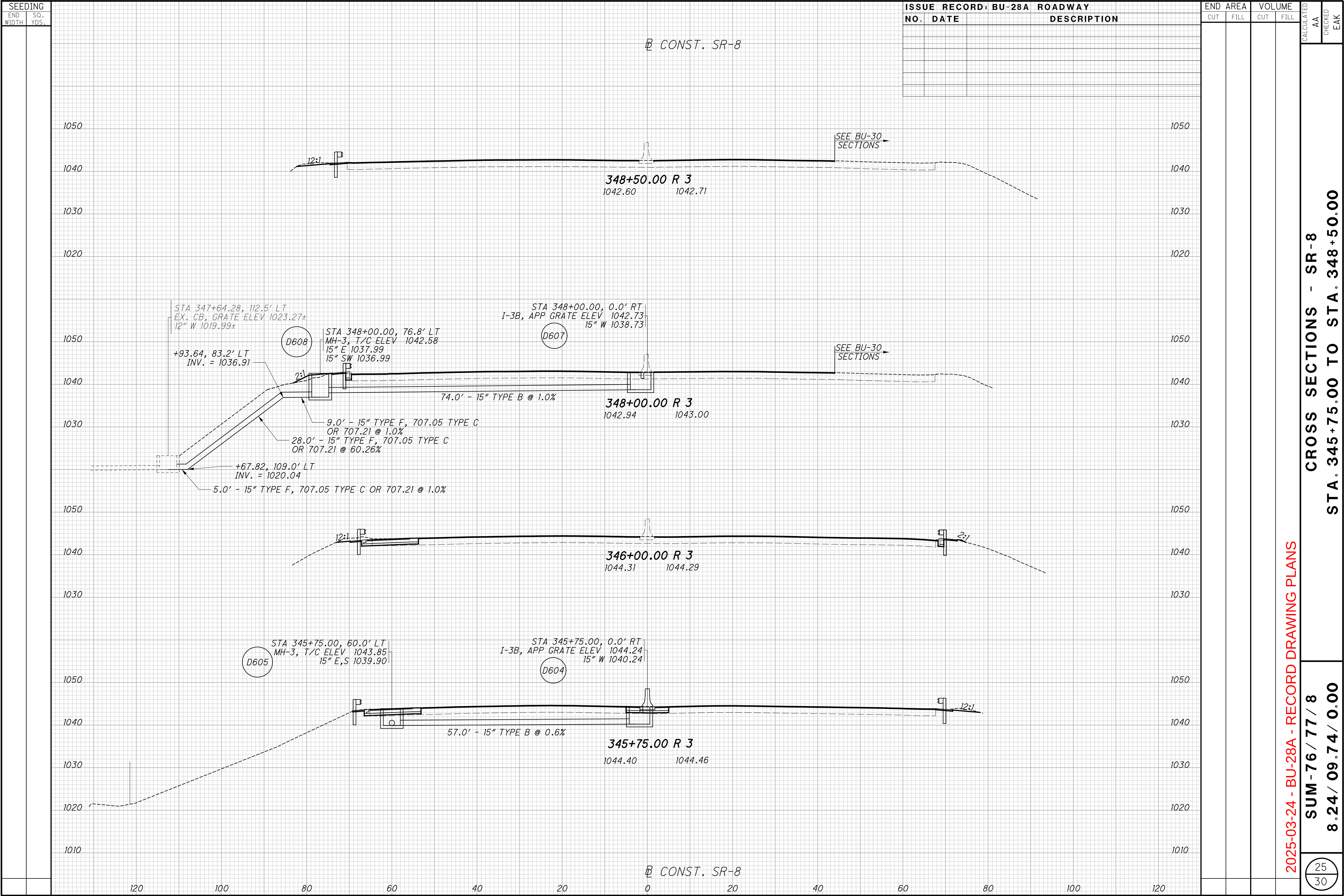


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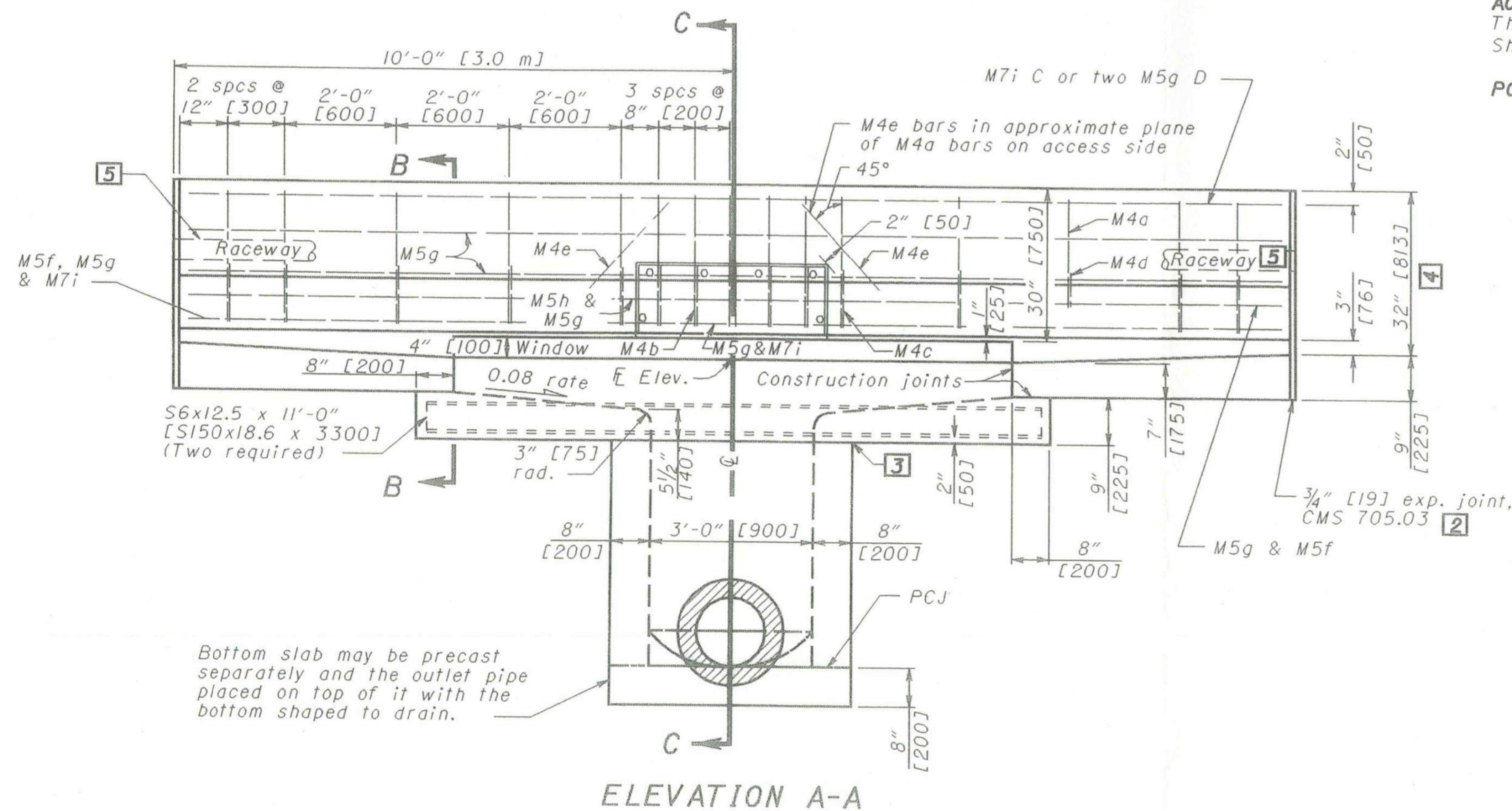
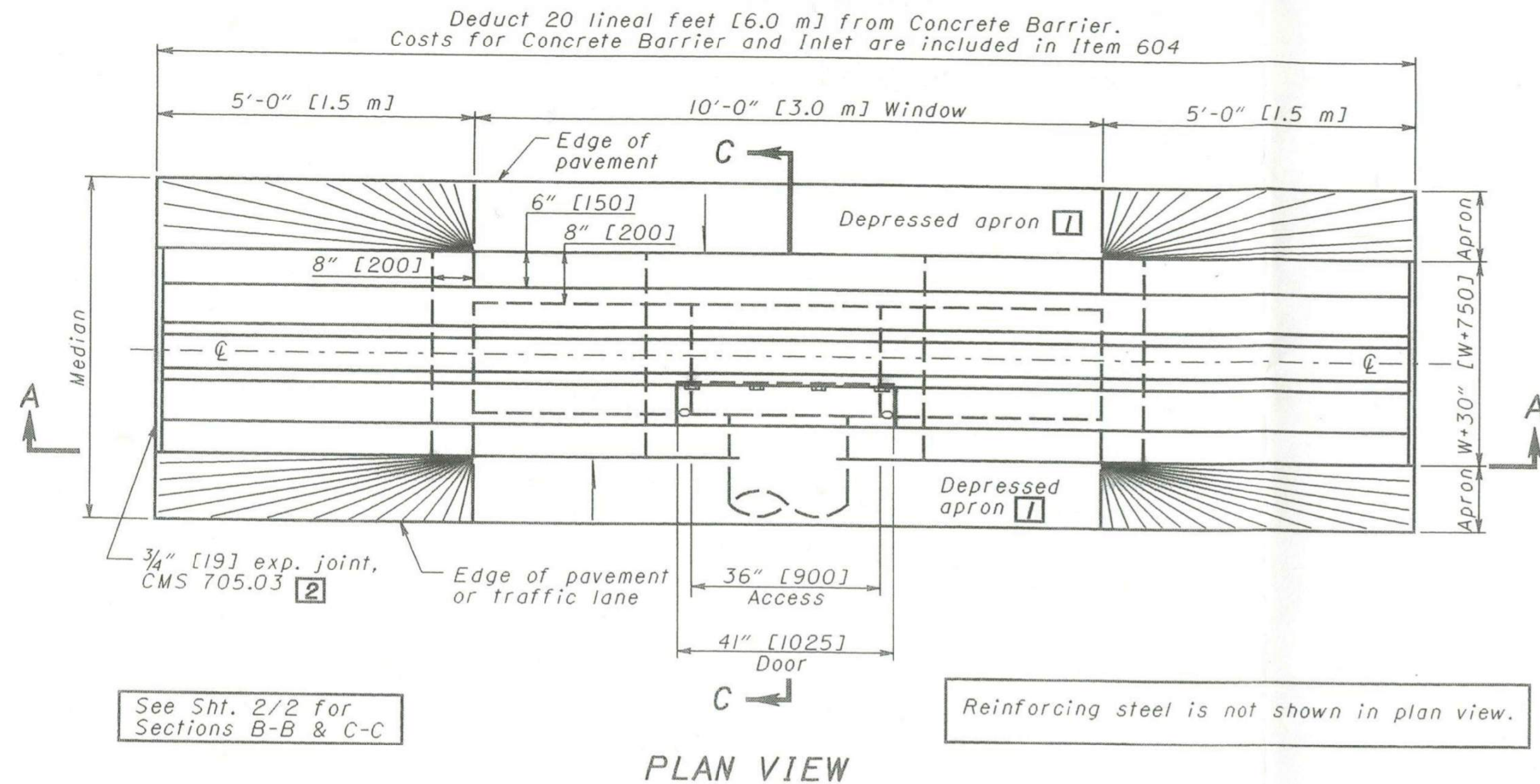


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## NOTES

**GENERAL:** For details of concrete barriers, see **SCD RM-4.3**.

**WALLS:** The walls between the bottom slab and the upper permissible construction joint may be built of brick, concrete block or cast-in-place concrete, 8" [200] nominal thickness for depths of 12' [3.5 m] or less. Precast walls shall have a minimum thickness of 6" [150] and be reinforced sufficiently to permit shipping and handling without damage.

**HEIGHT:** When placed in 50" [1270] high barrier the 30" [763] height shall be made 48" [1220].

**CONCRETE:** Cast-in-place concrete is to be Class C. All precast concrete shall meet the requirements of CMS 706.13 with a minimum of 4% entrained air content in the hardened concrete. Required markings shall include the inlet number. Exposed concrete surfaces of the barrier shall be sealed with an approved sealer.

**REINFORCING STEEL:** Reinforcing steel shall be epoxy coated in accordance with CMS 509.10.

**STEPS:** Steps shall be in accordance with **SCD MH-1.1**.

**INLETS OVER 12 FEET [3.5 m] IN DEPTH:** Such inlets shall be precast or cast-in-place concrete; reinforced with #4 [#13M] bars on 12" [300] centers both vertically and horizontally with 2" [50] clearance from the inside wall face.

**OPENINGS:** Pipe openings shall be the outside diameter of the pipe being supplied plus 2" [50] when fabricated or field cut. The interstitial space shall be filled with grout per CMS 601.

**ACCESS DOOR:** The steel door, frame and all inserts, shall be galvanized. The hex head bolts shall be stainless steel. (See ACCESS DOOR DETAIL, Sht. 2/2).

**PCJ:** Permissible Construction Joint.

## STANDARD INLET NUMBERS

- I-3C Type A** (32" [813] Barrier with W=6" [150])  
**I-3C Type AI** (50" [1270] Barrier with W=6" [150])  
**I-3D Type B** (32" [813] Barrier with W=12" [300])  
**I-3D Type BI** (50" [1270] Barrier with W=12" [300])

## LEGEND

- [1] Aprons on both sides of the inlet shall be sloped toward windows and filled with Class C concrete. On superelevated sections, the aprons shall be sloped as shown in SECTION C-C on Sht. 2/2. Cost of any pavement removal and material is included in CMS 604.
- [2] A 1 1/2" [38] minimum exp. joint shall be provided in concrete pavement or concrete shoulders.
- [3] Inlet top profile shall match the adjacent concrete median barrier profile by constructing the top surface of the base to match the median barrier profile.
- [4] Barrier height equals either 32" [813] or 50" [1270].
- [5] 4" [100] Lighting raceway, if required else where by the plans. (Only when W=12" [300].)

THIS DRAWING REPLACES I-2.2M DATED 9-6-95.

| NUMBER | STANDARD ROADWAY CONSTRUCTION DRAWING | REVISIONS                              | OHIO DEPARTMENT OF TRANSPORTATION |
|--------|---------------------------------------|----------------------------------------|-----------------------------------|
| I-2.2  | BARRIER MEDIAN INLETS 3C & 3D         | STDS. ENGR. D. Focke<br>DRAWN D. Focke | ADWAY DESIGN ENGINEER DATE        |
| 1/2    |                                       |                                        |                                   |

2025-03-24 - BU-28A - RECORD DRAWING PLANS

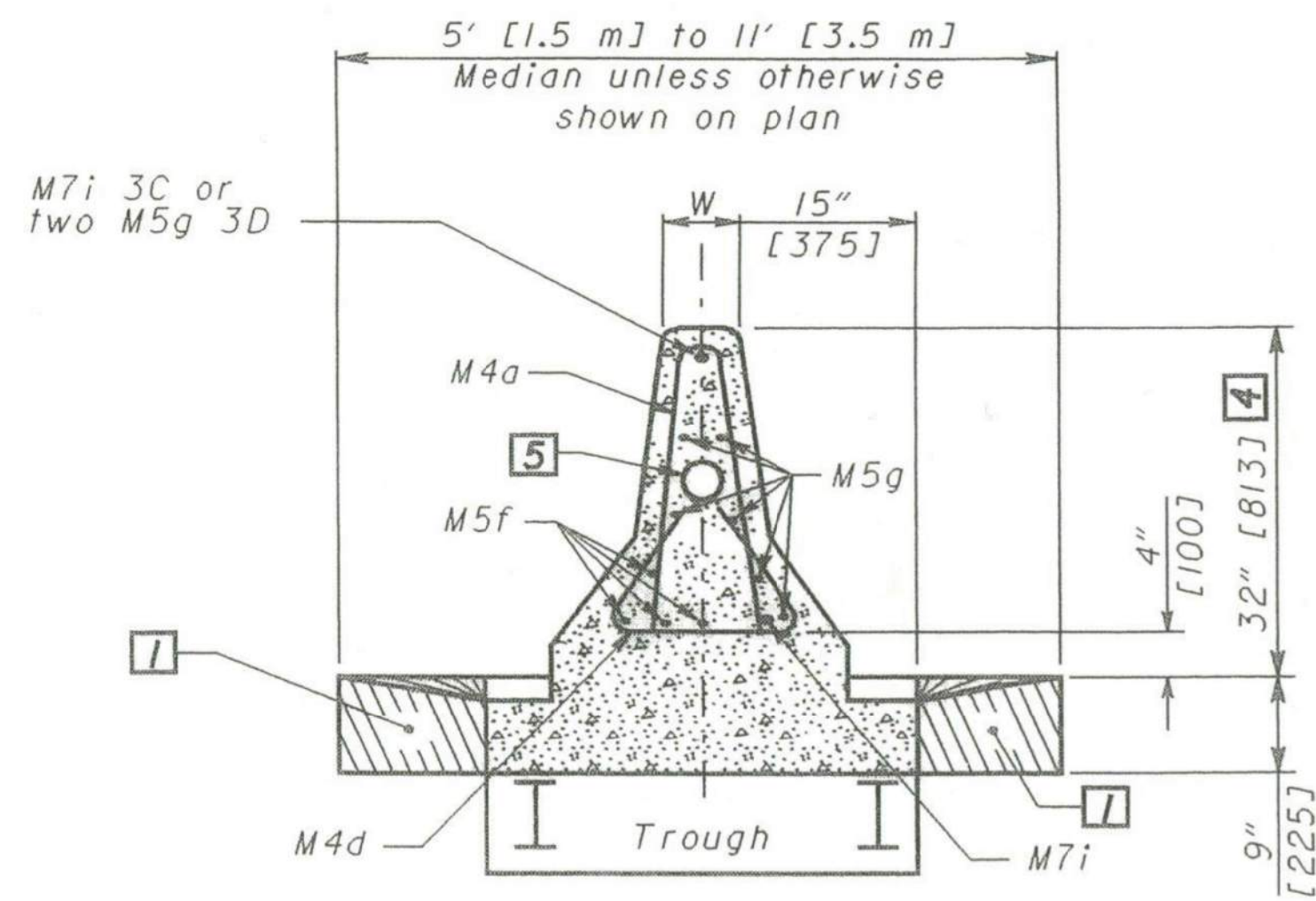
SUM-76 / 77 / 8

ITEM 611 - INLET, NO. 3 FOR SINGLE SLOPE BARRIER,  
TYPE B, AS PER PLAN

8.24 / 09.74 / 0.00

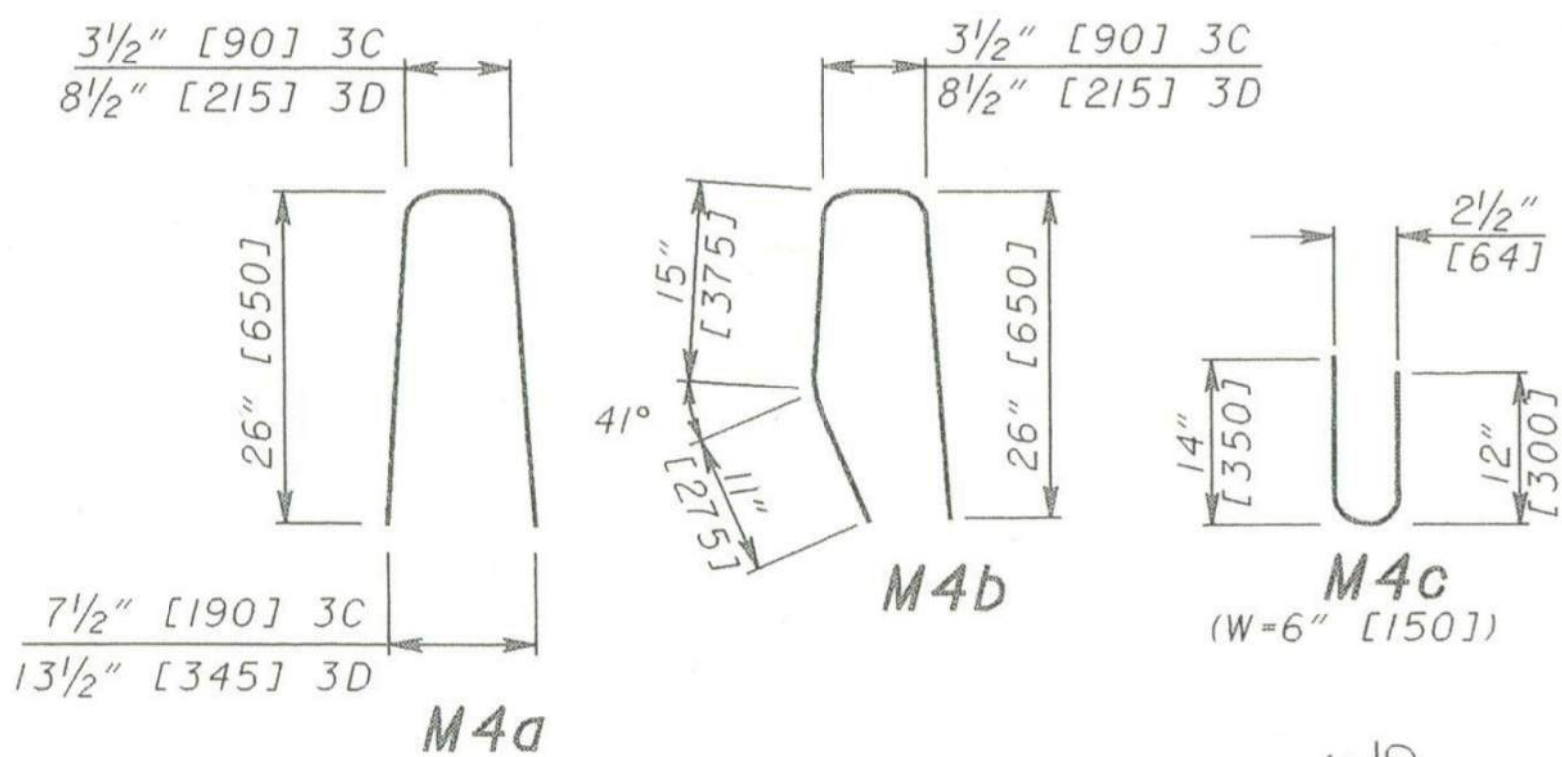
CALCULATED  
JTB  
CHECKED  
EAK

27  
30



SECTION B-B  
(See Sht. 1/2)

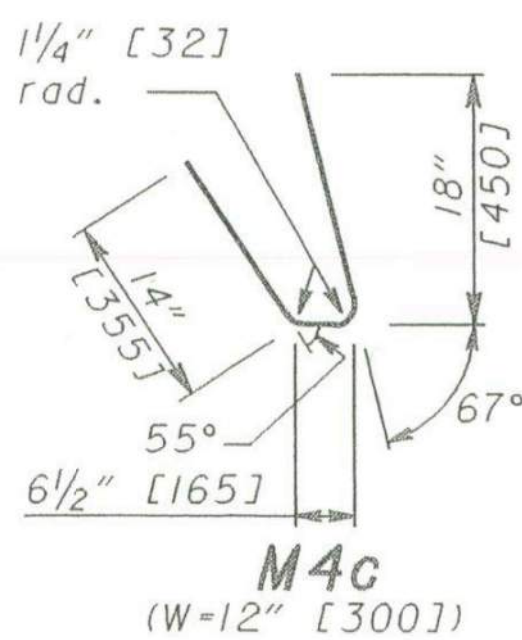
See Sheet 1 of 2 for  
NOTES and LEGEND



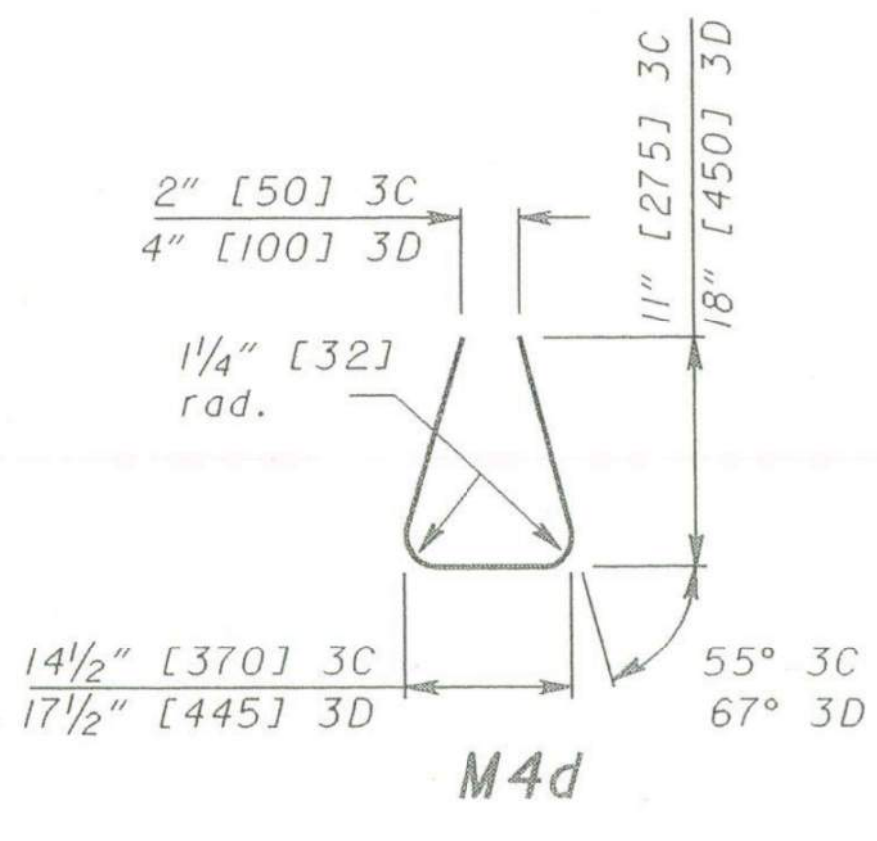
M4a

M4b

M4c  
(W=6" [150])

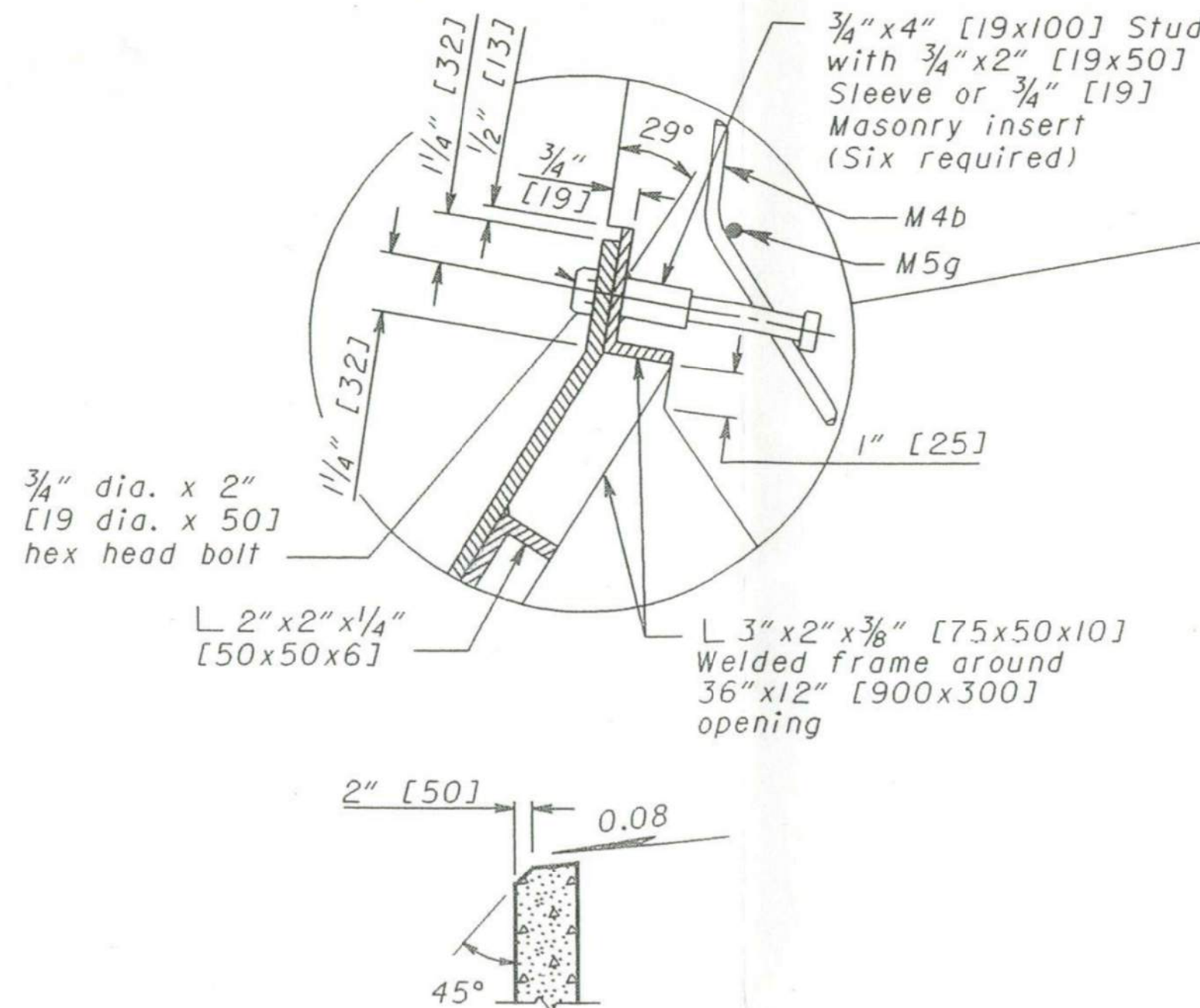


M4c  
(W=12" [300])

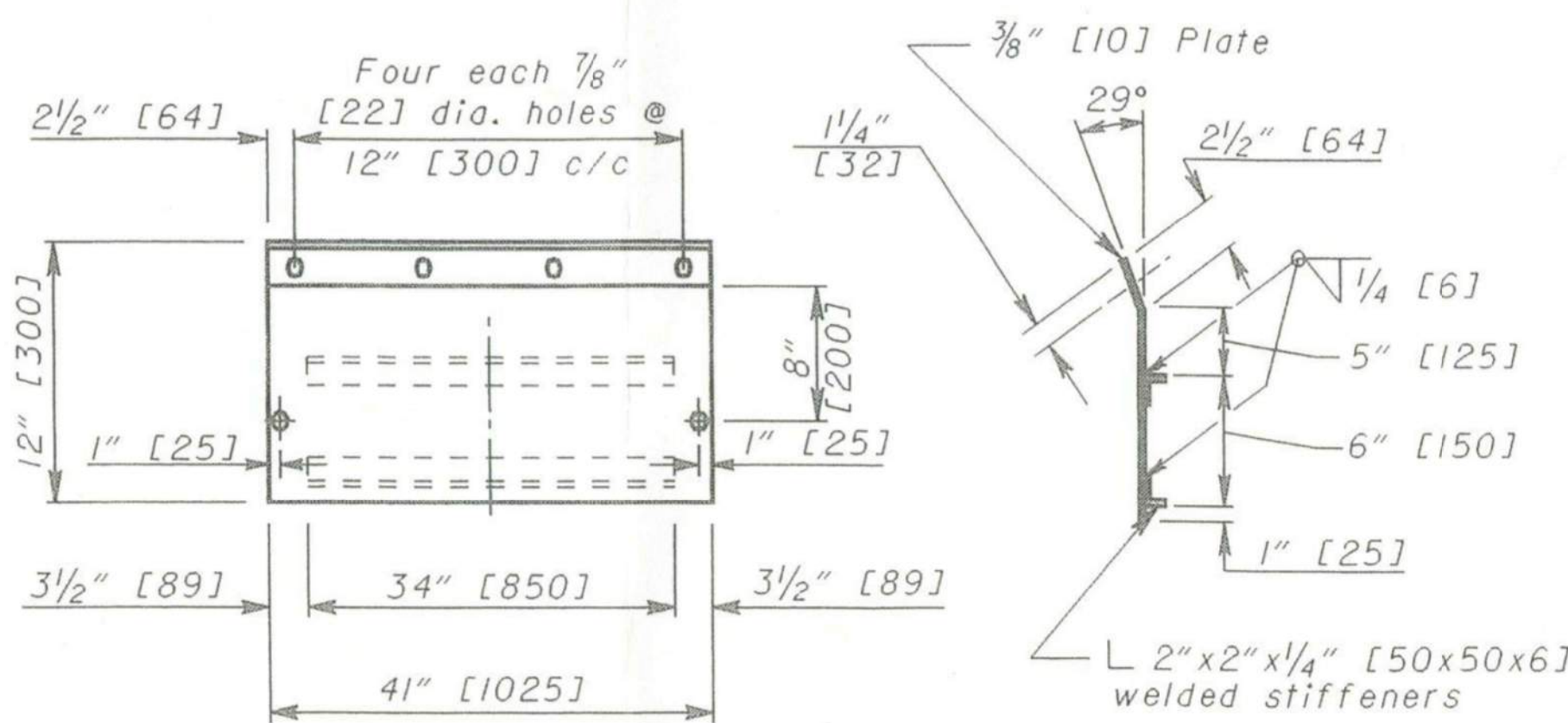


M4d

BENDING DIAGRAMS



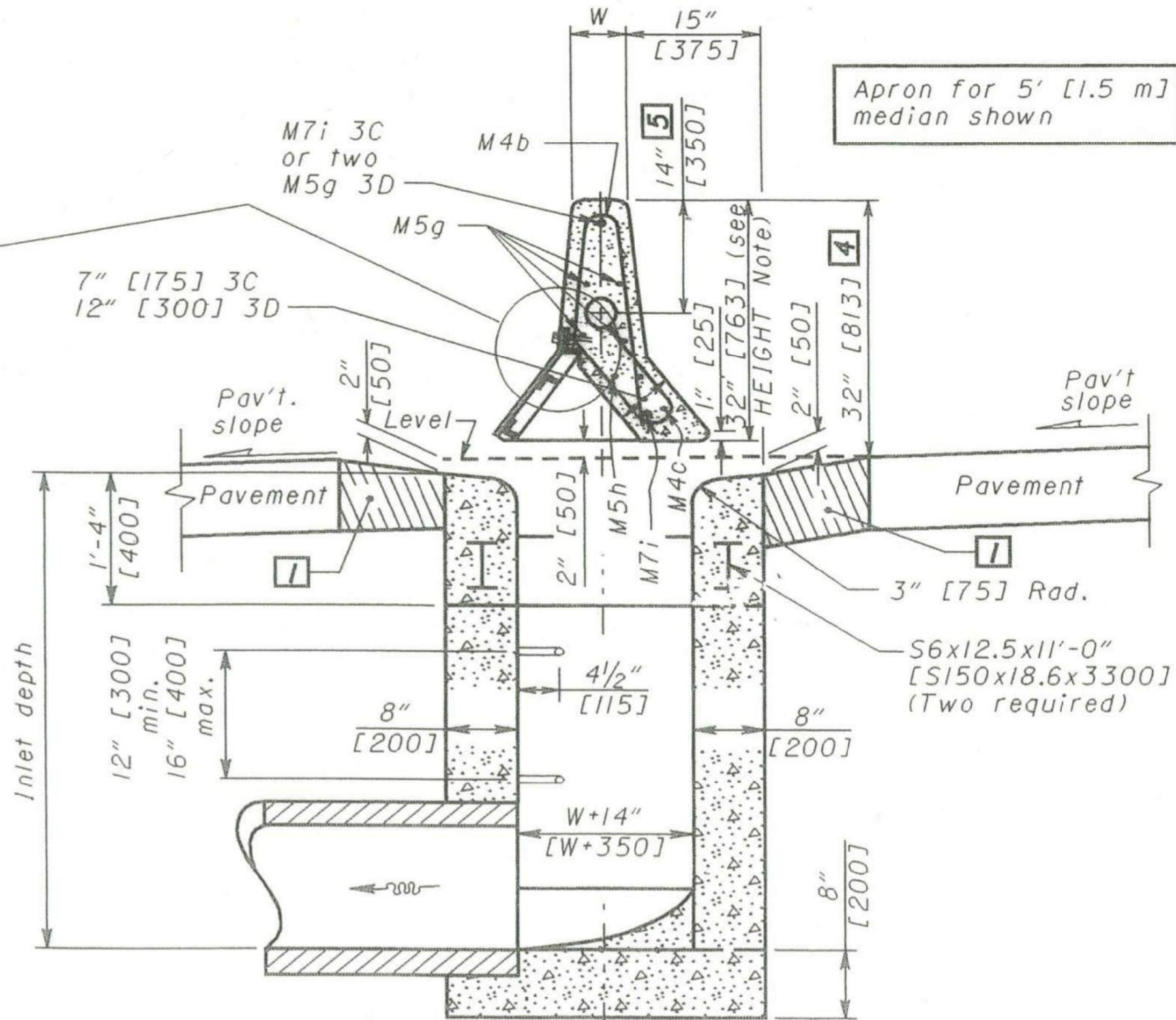
ALTERNATE  
SPILLWAY SHAPE



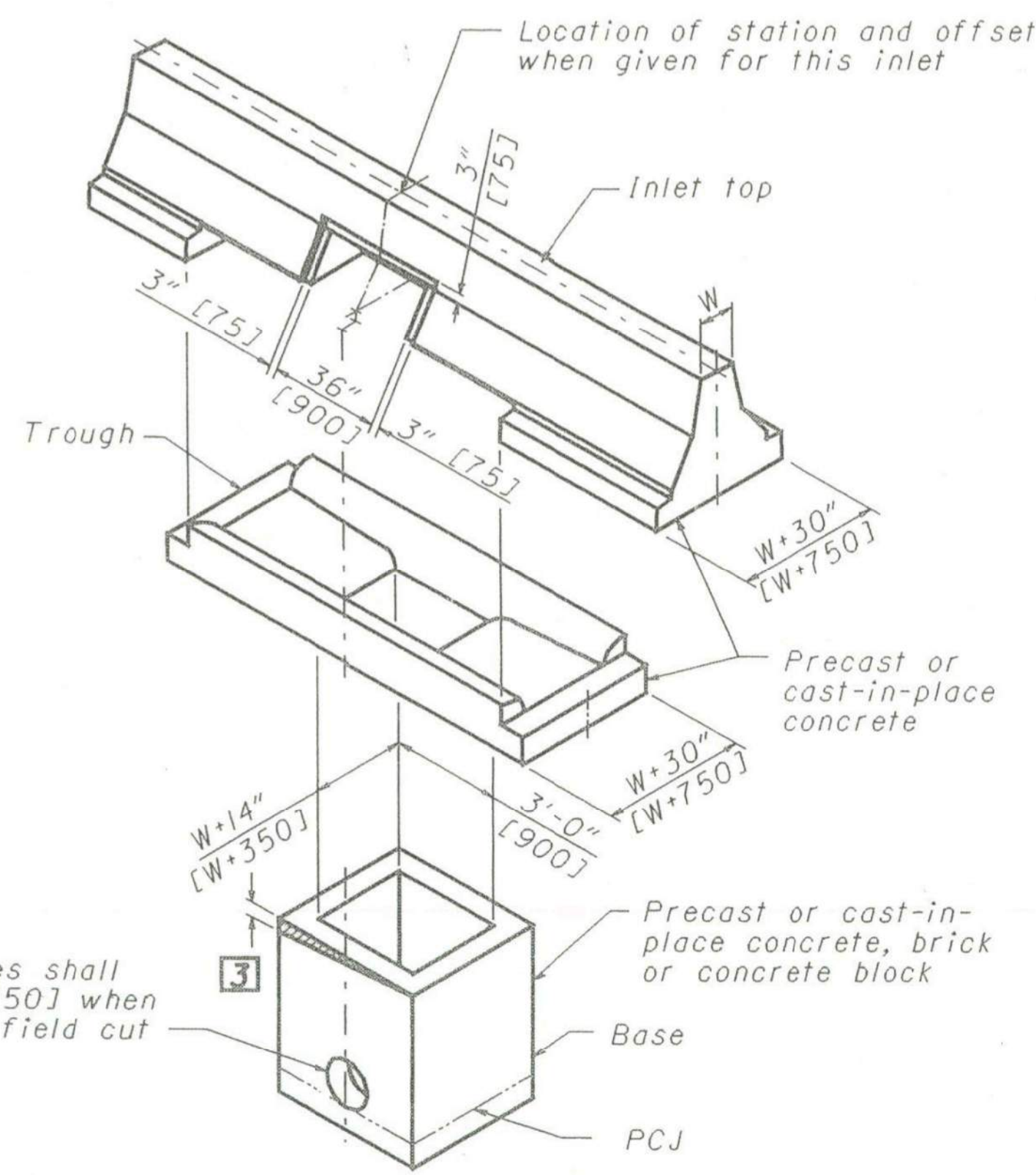
ACCESS DOOR DETAIL

| REINFORCING STEEL LIST |     |                      |               |                       |               |
|------------------------|-----|----------------------|---------------|-----------------------|---------------|
| SIZE                   | BAR | I-3C<br>W=6" [W=150] |               | I-3D<br>W=12" [W=300] |               |
|                        |     | Ea.                  | Length        | Ea.                   | Length        |
| #4 [#13M]              | M4a | 10                   | 4'-6" [1370]  | 10                    | 5'-0" [1525]  |
|                        | M4b | 5                    | 4'-6" [1370]  | 5                     | 5'-0" [1525]  |
|                        | M4c | 5                    | 2'-4" [710]   | 5                     | 3'-2" [965]   |
|                        | M4d | 10                   | 3'-1" [940]   | 10                    | 4'-6" [1370]  |
|                        | M4e | 2                    | 2'-0" [610]   | 2                     | 2'-0" [610]   |
| #5 [#16M]              | M5f | 8                    | 8'-2" [2490]  | 8                     | 8'-2" [2490]  |
|                        | M5g | 6                    | 19'-8" [5995] | 8                     | 19'-8" [5995] |
|                        | M5h | 1                    | 5'-0" [1525]  | 1                     | 5'-0" [1525]  |
| #7 [#22M]              | M7i | 2                    | 19'-8" [5995] | 1                     | 19'-8" [5995] |
| S6x12.5 [S150x18.6]    |     | 2                    | 11'-0" [3300] | 2                     | 11'-0" [3300] |

Included for estimating purposes only. The cost of furnishing and placing all reinforcing steel shall be included in Item 604 for payment.



SECTION C-C  
(See Sht. 1/2)



PICTORIAL VIEW

THIS DRAWING REPLACES I-2.2M DATED 9-6-95.

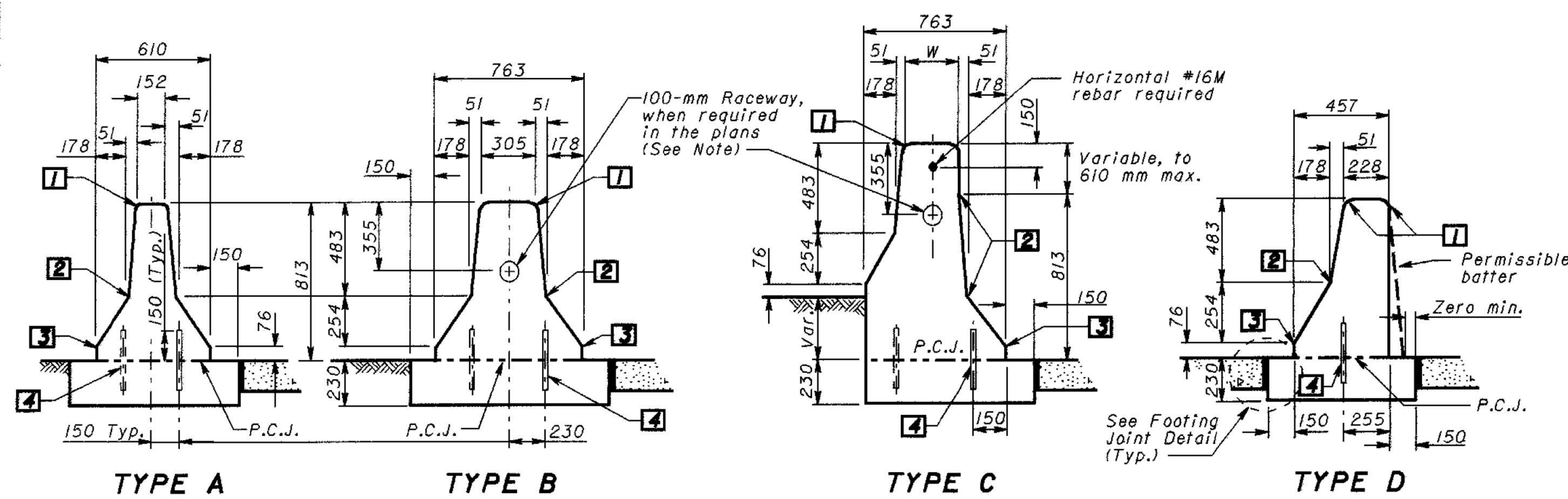
| ROADWAY ENGINEERING SERVICES |       | STANDARD ROADWAY CONSTRUCTION DRAWING |                   | OHIO DEPARTMENT OF TRANSPORTATION |                 |
|------------------------------|-------|---------------------------------------|-------------------|-----------------------------------|-----------------|
| NUMBER                       | I-2.2 | BARRIER MEDIAN INLETS 3C & 3D         | DRAWN<br>D. Focke | REVISIONS                         | DATE<br>7-20-01 |
|                              |       |                                       |                   |                                   |                 |

2025-03-24 - BU-28A - RECORD DRAWING PLANS

SUM-76 / 77 / 8  
8.24 / 09.74 / 0.00

ITEM 611 - INLET, NO. 3 FOR SINGLE SLOPE BARRIER,  
TYPE B, AS PER PLAN

CALCULATED  
JTB  
CHECKED  
EAK



TYPE A TYPE B

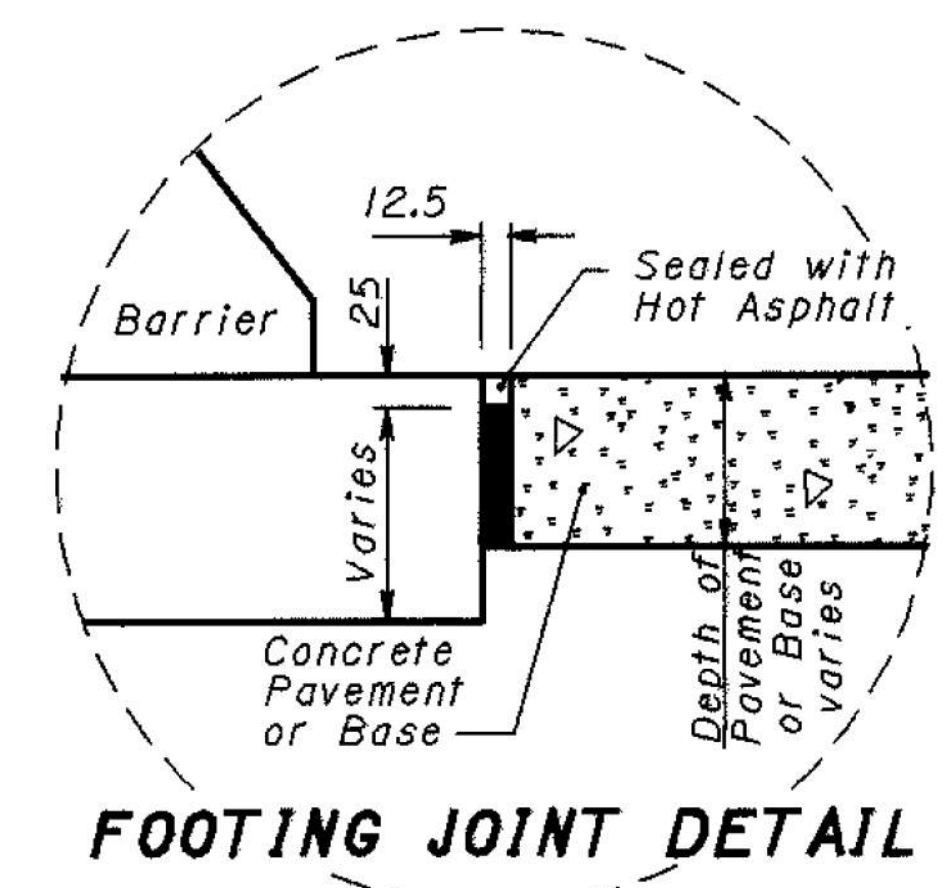
TYPE C TYPE D

NORMAL SECTIONS

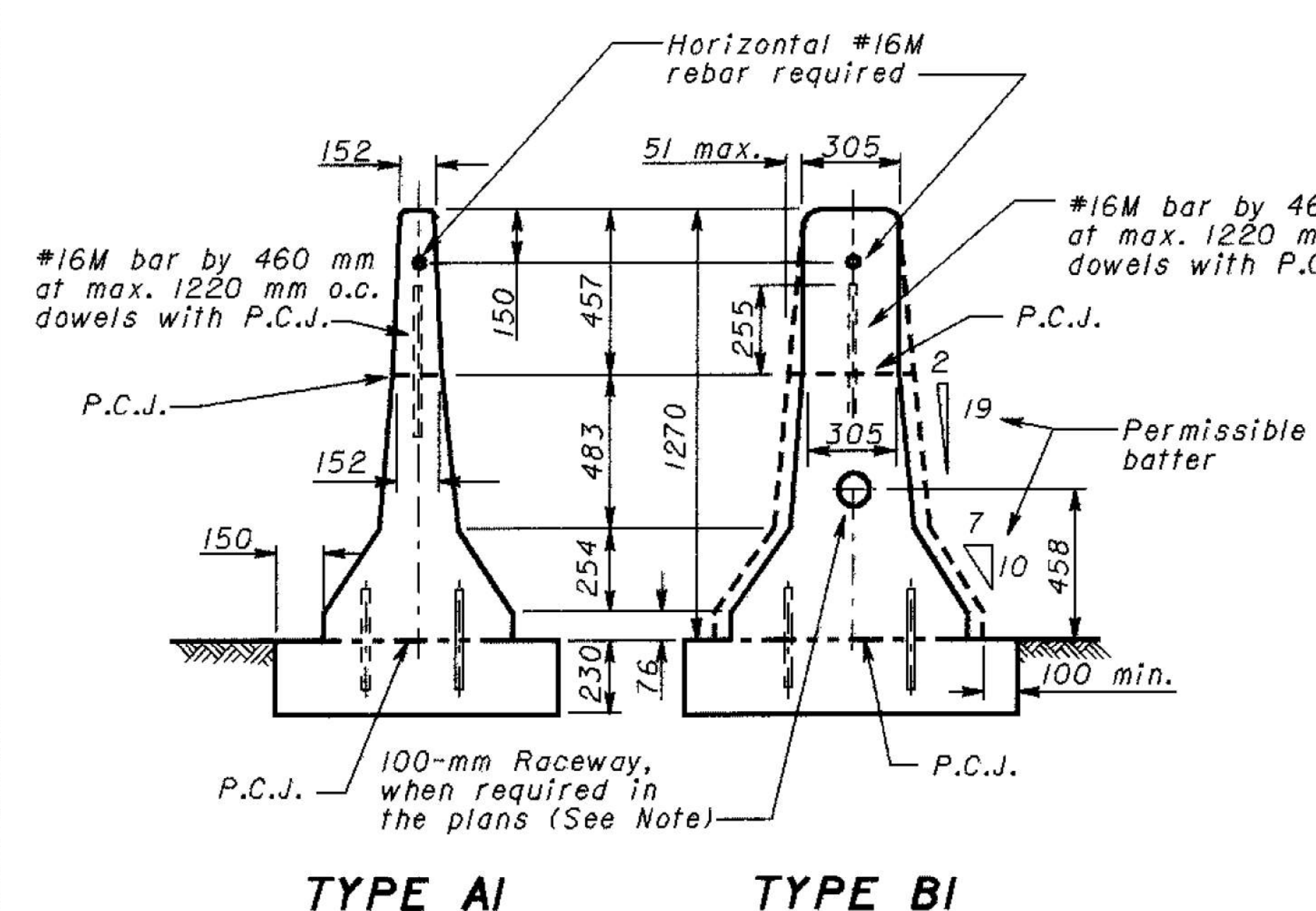
LEGEND

- 1 25-mm radius or 19-mm chamfer.
- 2 Permissible 250-mm radius.
- 3 Permissible 25-mm radius.
- 4 #25M epoxy coated deformed steel bars, 305 mm long, spaced 1220 mm between successive bars on a staggered pattern except in Type D. Omit dowels when the top is constructed integrally with the base.

W = 152 or 305 mm barrier width, as specified in the plans.



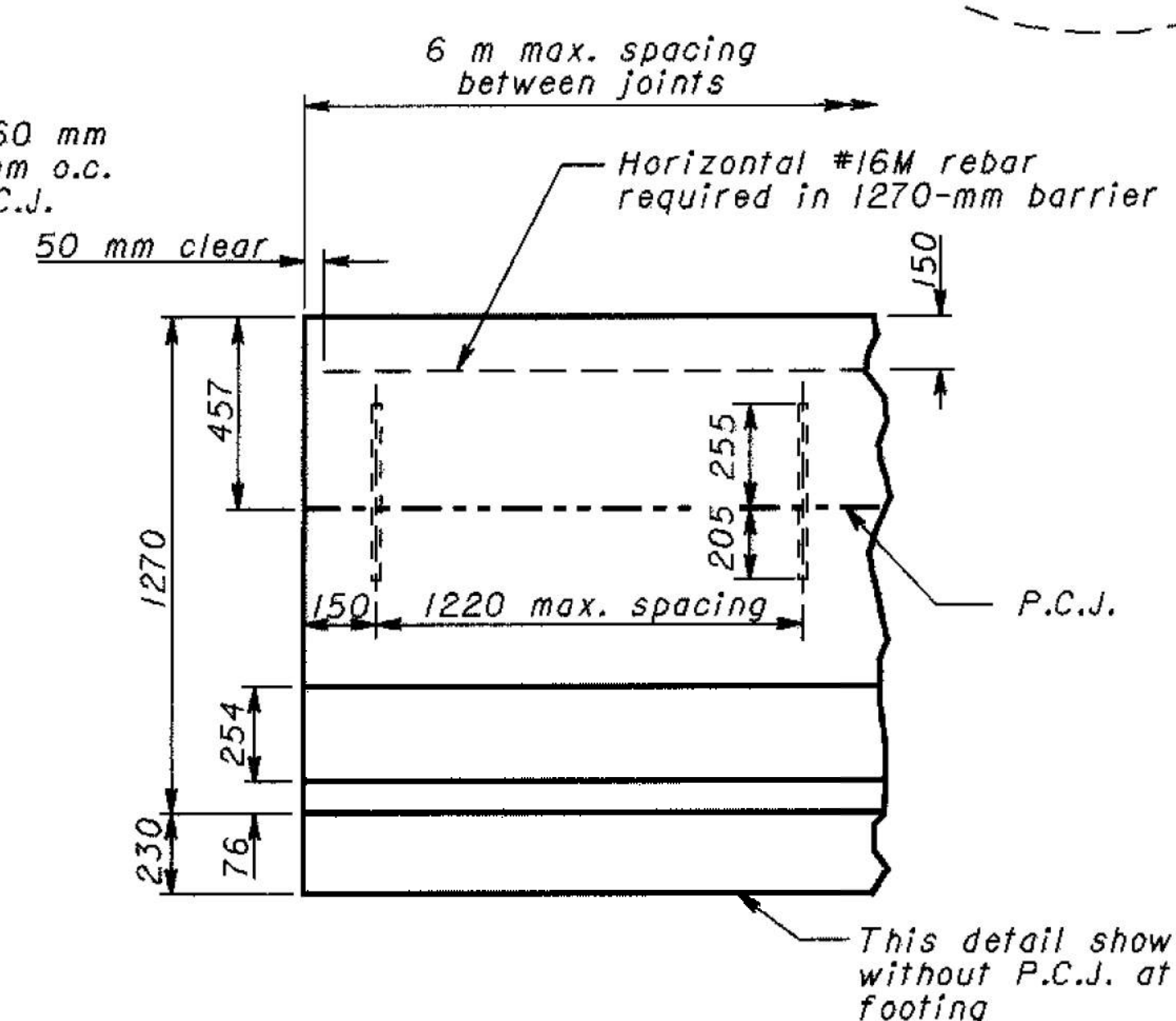
FOOTING JOINT DETAIL



TYPE AI TYPE BI

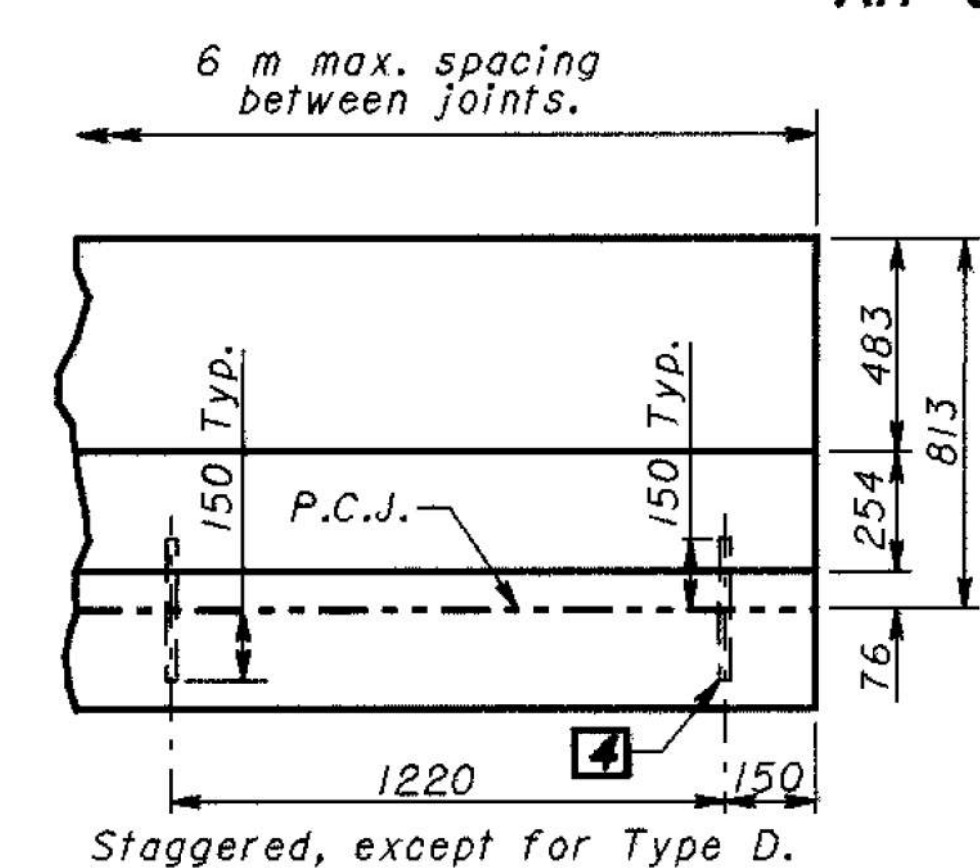
1270-mm BARRIERS - TYPICAL SECTIONS

See Type A and Type B Normal Section Details for dimensions that are not shown.



1270-mm BARRIER

BARRIER ELEVATIONS



813-mm BARRIER

NOTES

**JOINTS:** Unsealed contraction joints spaced at 6 m maximum shall be constructed throughout the run of Concrete Barrier except that expansion joints shall be used at the center line of and around each bridge pier column and on either side of overhead sign supports, inlets and light pole foundations. If the inlet top is slip formed, the expansion joints adjacent to it may be omitted.

Contraction joints may be constructed with metal inserts inside the forms, preformed full width joint filler, a grooving tool, or by sawing. Inserts, tooled or sawed joints shall have a 75-mm minimum depth. All joints shall be constructed for the full height of the barrier including the footing. Sawing shall be done as soon as curing will allow, to prevent spalling.

**FOOTING JOINTS:** The vertical walls between the barrier footing and a concrete pavement or concrete base shall be provided with a sealed joint as shown. Sealing material shall conform to CMS 705.04.

**P.C.J.** = Permissible Construction Joint

**MEASUREMENT:** Item 622, Concrete Barrier, including transitions and pier sections detailed on SCD RM-4.4M, is paid for in meters as one of the four types (A, B, C or D) or as Type AI and BI, (for 1270 mm high barrier), with appropriate deductions for other items such as:

- Item 604 I-3 Median inlet 6 meters.
- Item 625 Light pole foundation or pullbox 1 meter.
- Item 630 Overhead sign support foundation 3 meters.
- Item 630 Barrier wall assembly 3 meters.

**1270-mm BARRIER:** High barrier shall be built in locations specified in the plans. Construct the lower 813 mm of the barrier base using the same dimensions as shown in the corresponding Normal Section. The upper 457 mm may be constructed integral with the bottom, or separately with #15M rebar dowels at 1220 mm maximum spacing. Start and end dowels 150 mm from barrier contraction joints.

**RACEWAY:** The contractor shall ensure that the electrical raceway is clear of internal obstructions. Cost of the 100 mm polyvinyl chloride raceway and No. 10 AWG copper-clad or aluminum-clad wire if needed for future installation of circuits shall be included in the unit cost per meter for Item 622, Concrete Barrier.

**STATION MARKING:** Marking shall be impressed in the "green" concrete on both sides at the top of the barrier if specified in the plans, which cost shall be incidental to the unit cost per meter bid for Item 622, Concrete Barrier.

All dimensions are in millimeters unless otherwise noted.



This Drawing Replaces MC-9.3.

**OHIO DEPARTMENT OF TRANSPORTATION**

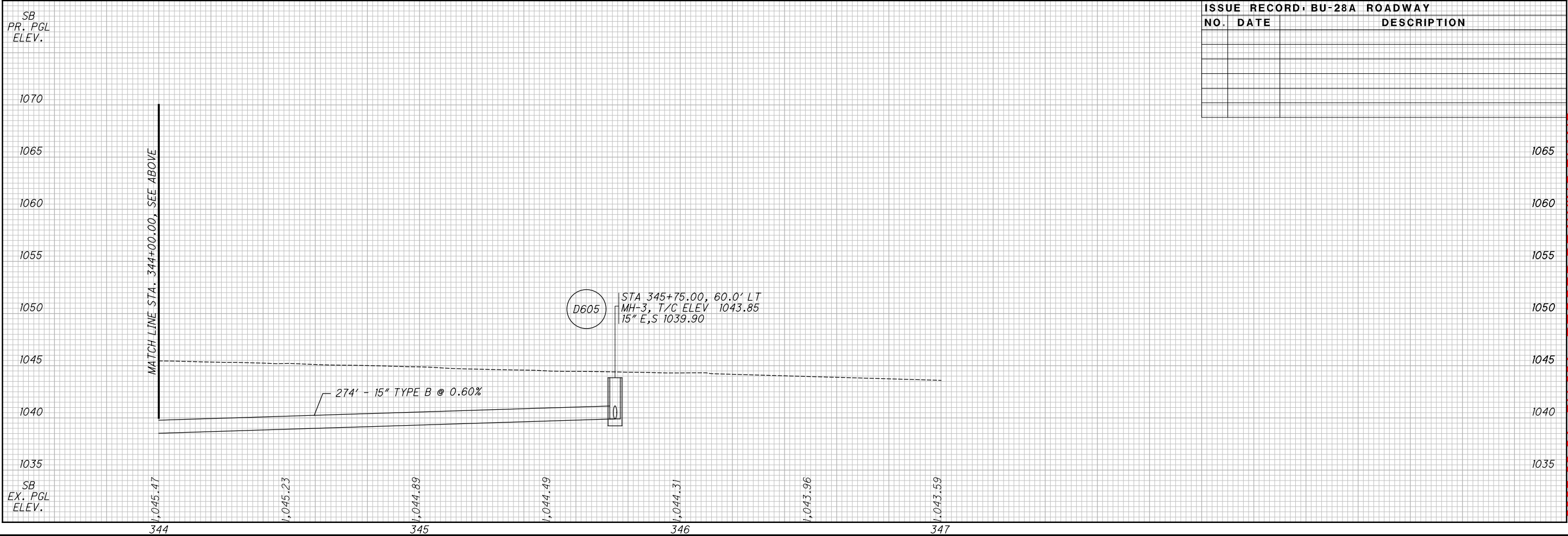
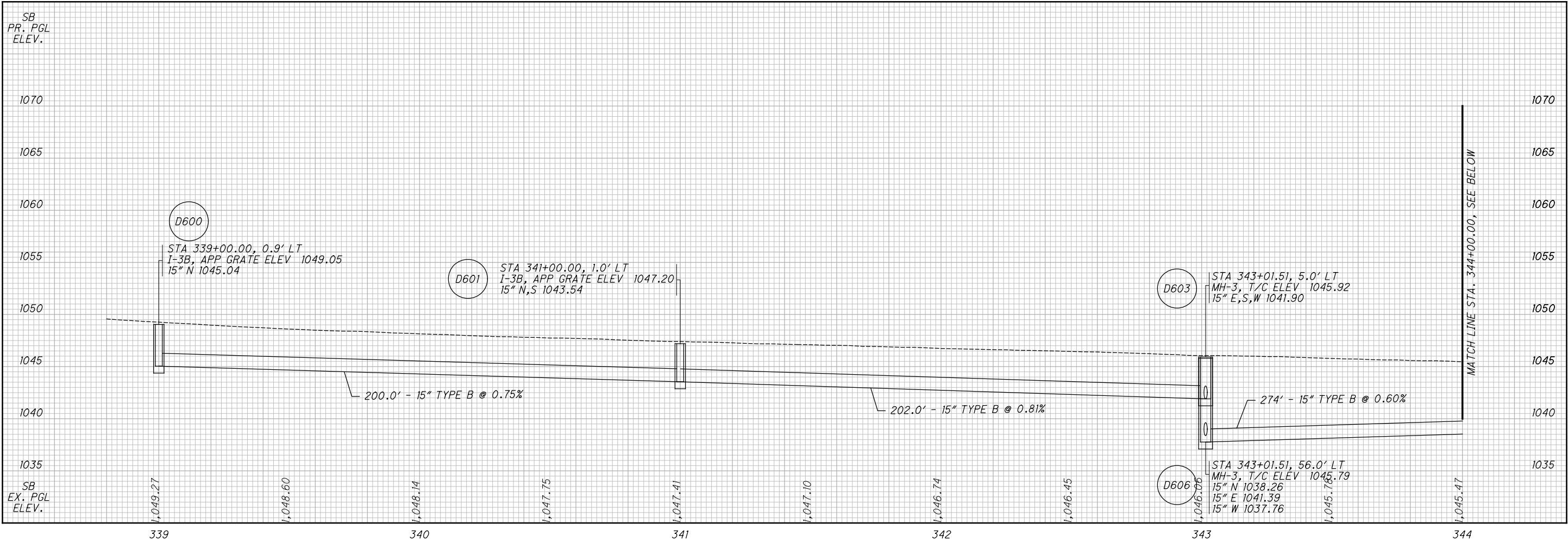
**CONCRETE BARRIERS**

DATE 6-30-95 10-21-97

STANDARD CONSTRUCTION DRAWING **RM-4.3M**

APPROVED *[Signature]*

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2025-03-24 - BU-28A - RECORD DRAWING PLANS

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AA

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EAK

STORM SEWER PROFILE - SR-8  
STA. 339+00 TO STA. 347+00

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