

2026-03-24 - BU-29 - RECORD DRAWING PLANS



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

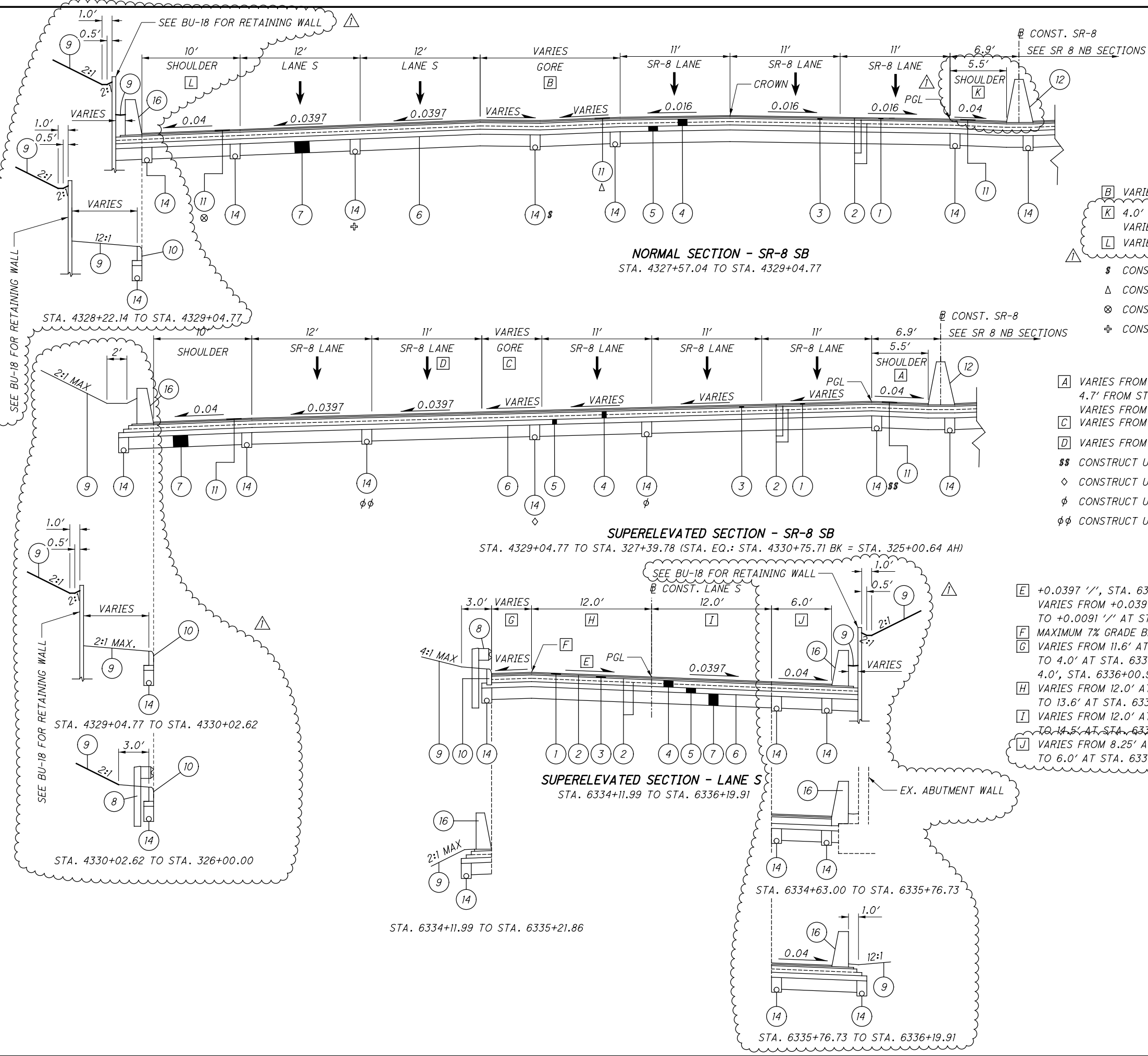


LEGEND - EXISTING ITEMS

- (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

- 10 ITEM 609 - CURB, TYPE 4-C, AS PER PLAN
- 11 ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
- 12 ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE,
TYPE B1 OR C1
- 13 NOT USED
- 14 ITEM 605 - 6" BASE PIPE UNDERDRAIN WITH GEOTEXTILE FILTER, 18"
- 15 NOT USED
- 16 ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D

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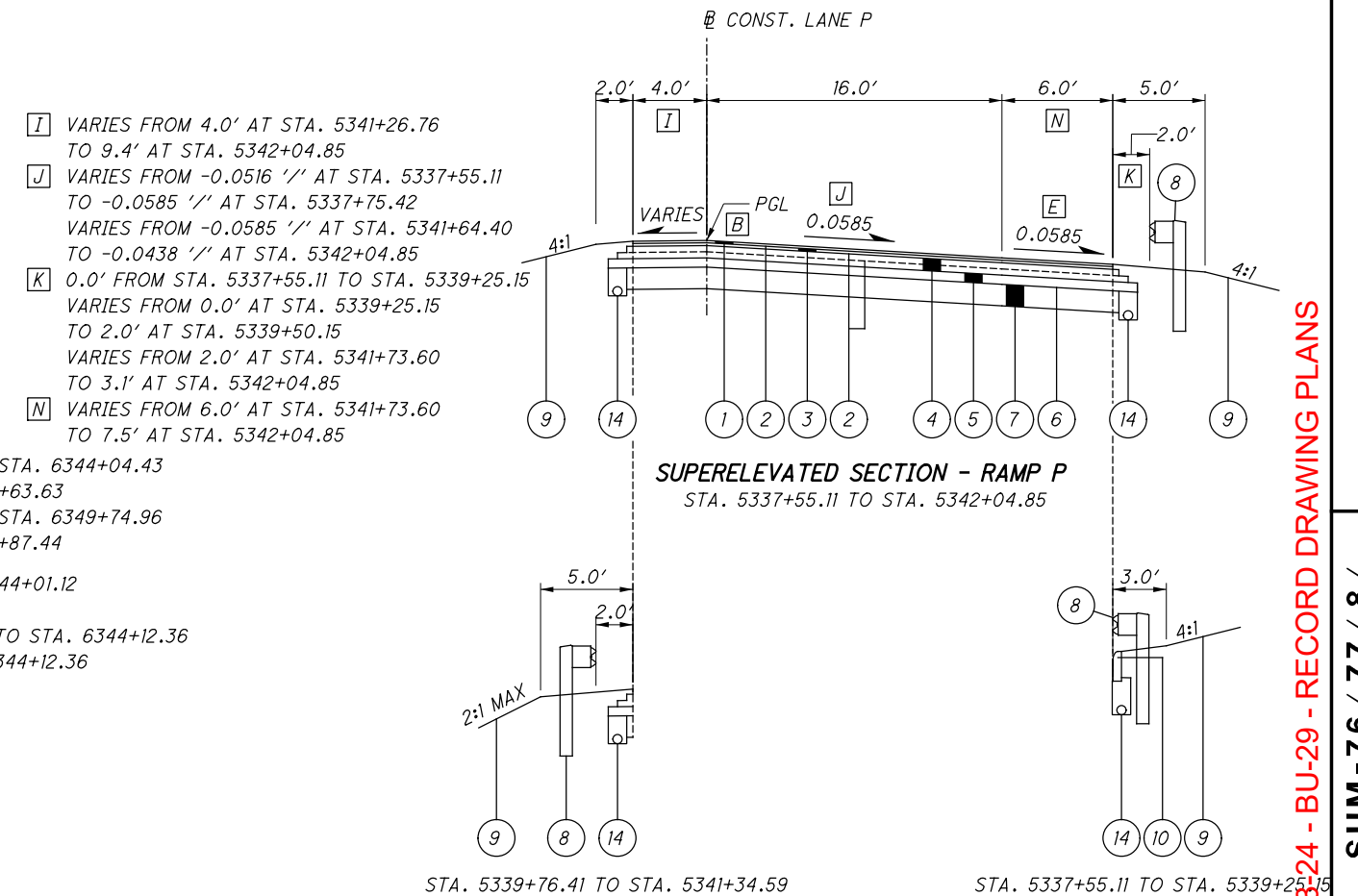
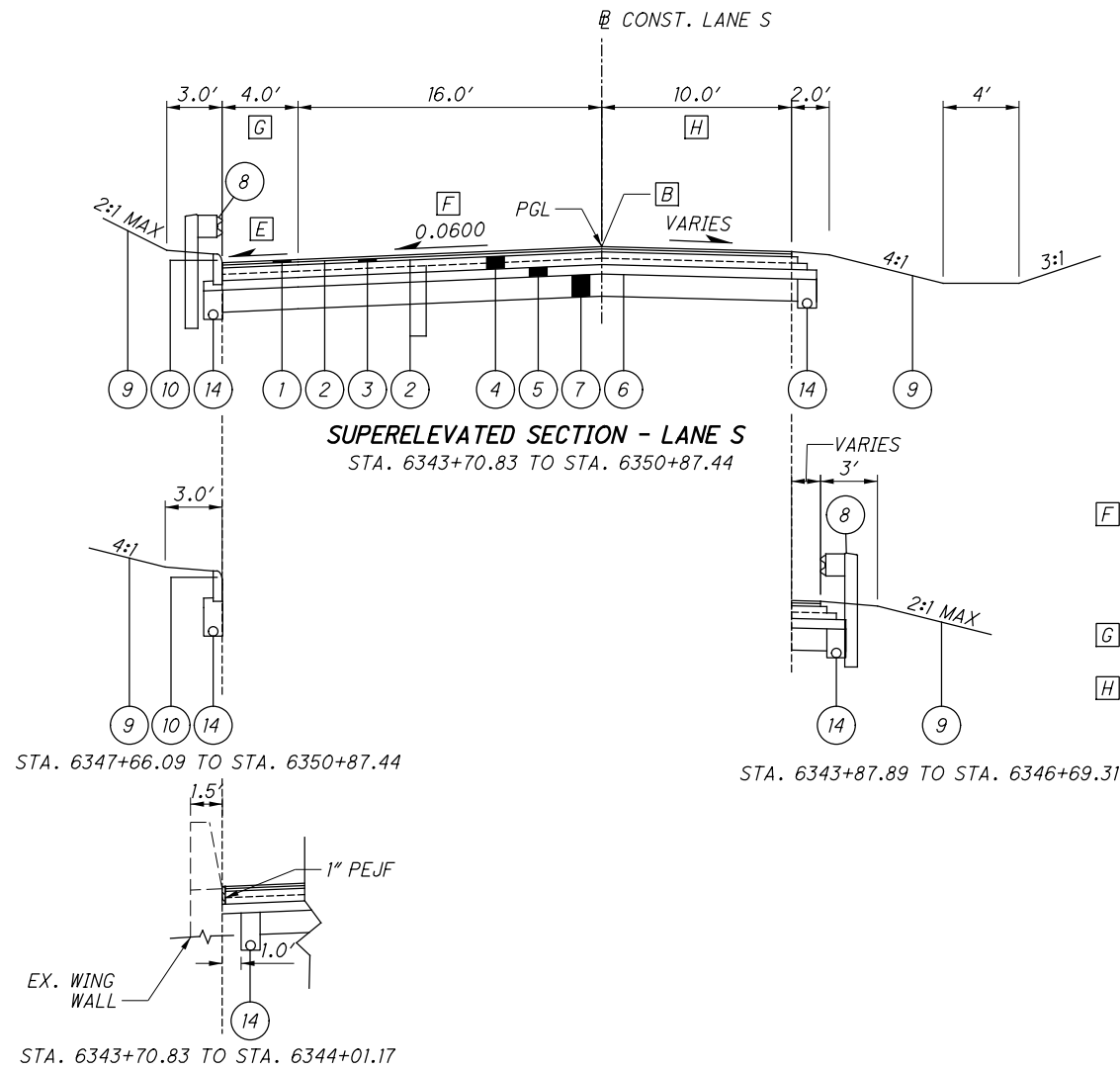
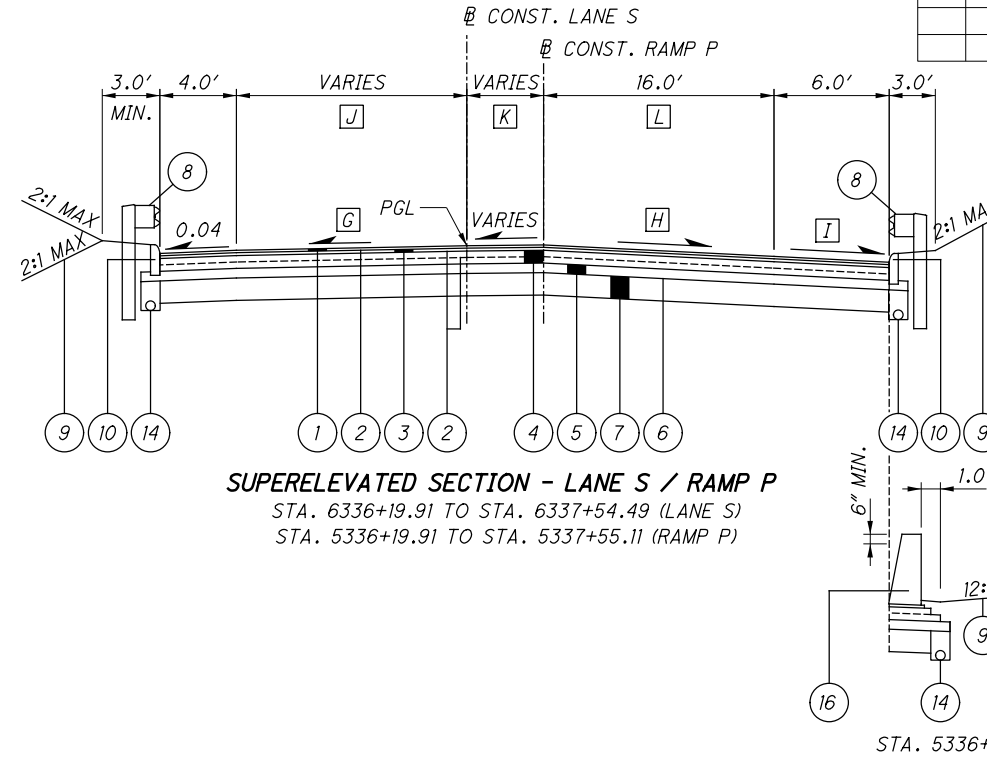
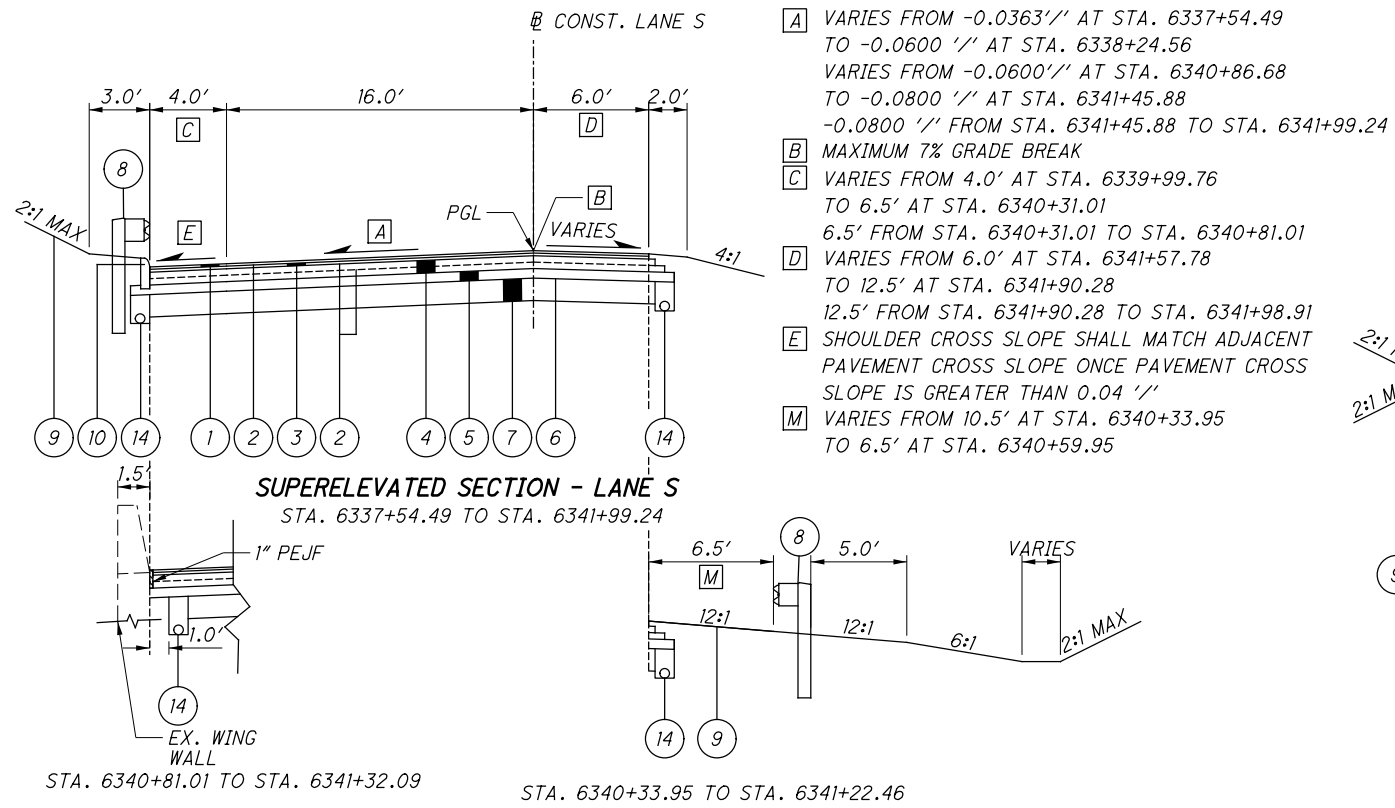
ISSUE RECORD - BU-29 ROADWAY		
NO.	DATE	DESCRIPTION
1	4/7/22	UPDATED WALL AND DRAINAGE FOR LANE S

- [B] VARIES FROM 23.0' AT STA. 4327+57.04 TO 6.2' AT STA. 4329+04.77
- [K] 4.0' FROM STA. 4327+57.04 TO STA. 4328+04.98
VARIES FROM 4.0' AT STA. 4328+04.98 TO 5.5' AT STA. 4328+44.98
- [L] VARIES FROM 8.25' AT STA. 4327+57.04 TO 10.0' AT STA. 4328+00.21
- \$ CONSTRUCT UNDERDRAIN FROM STA. 4327+57.04 TO STA. 4328+32.91
- Δ CONSTRUCT RUMBLE STRIP FROM STA. 4327+57.04 TO STA. 4328+77.90
- ⊗ CONSTRUCT RUMBLE STRIP FROM STA. 4328+81.18 TO STA. 4329+04.77
- ⊕ CONSTRUCT UNDERDRAIN FROM STA. 4328+34.04 TO STA. 4329+04.77
- [A] VARIES FROM 5.5' AT STA. 4329+34.63 TO 4.7' AT STA. 4329+74.63
4.7' FROM STA. 4329+74.63 TO STA. 4330+14.89
VARIES FROM 4.7' AT STA. 4330+14.89 TO 5.5' AT STA. 4330+54.89
- [C] VARIES FROM 6.2' AT STA. 4329+04.77 TO 0.0' AT STA. 4329+82.16
- [D] VARIES FROM 12.0' AT STA. 4329+82.16 TO 0.0' AT STA. 327+39.78
- \$\$ CONSTRUCT UNDERDRAIN FROM STA. 4329+04.77 TO STA. 4329+72.58
- ◇ CONSTRUCT UNDERDRAIN FROM STA. 4329+04.77 TO STA. 4329+82.16
- φ CONSTRUCT UNDERDRAIN FROM STA. 4329+82.16 TO STA. 327+39.78
- φφ CONSTRUCT UNDERDRAIN FROM STA. 4329+04.77 TO STA. 326+46.44

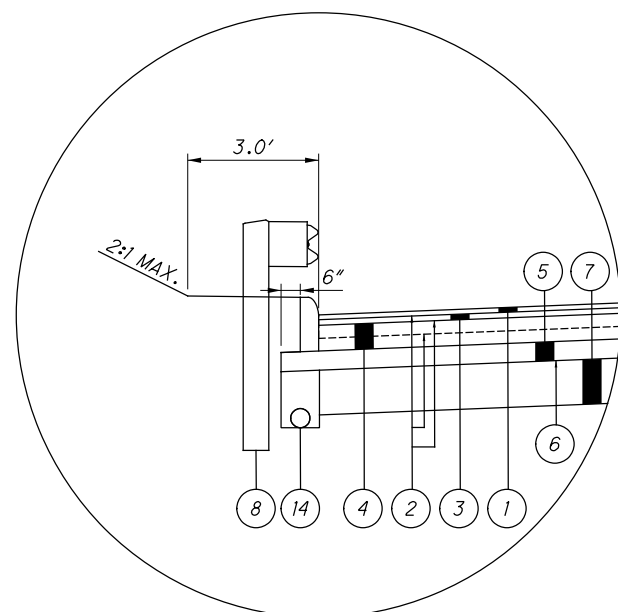
- [E] +0.0397 '"/>, STA. 6334+11.99 TO STA. 6335+29.45
VARIES FROM +0.0397 '"/> AT STA. 6335+29.45
TO +0.0091 '"/> AT STA. 6336+19.91
- [F] MAXIMUM 7% GRADE BREAK
- [G] VARIES FROM 11.6' AT STA. 6334+11.99
TO 4.0' AT STA. 6336+00.93
4.0', STA. 6336+00.93 TO STA. 6336+19.91
- [H] VARIES FROM 12.0' AT STA. 6335+04.94
TO 13.6' AT STA. 6336+19.91
- [I] VARIES FROM 12.0' AT STA. 6335+16.18
TO 14.5' AT STA. 6336+19.91
- [J] VARIES FROM 8.25' AT STA. 6334+11.99
TO 6.0' AT STA. 6334+73.14

FOR LEGEND, SEE SHEET 2
FOR PROPOSED SR-8 TYPICAL, SEE BU-28B
FOR DETAILS, SEE SHEET 5
FOR DITCH AND GRADING INFORMATION, SEE CROSS SECTIONS

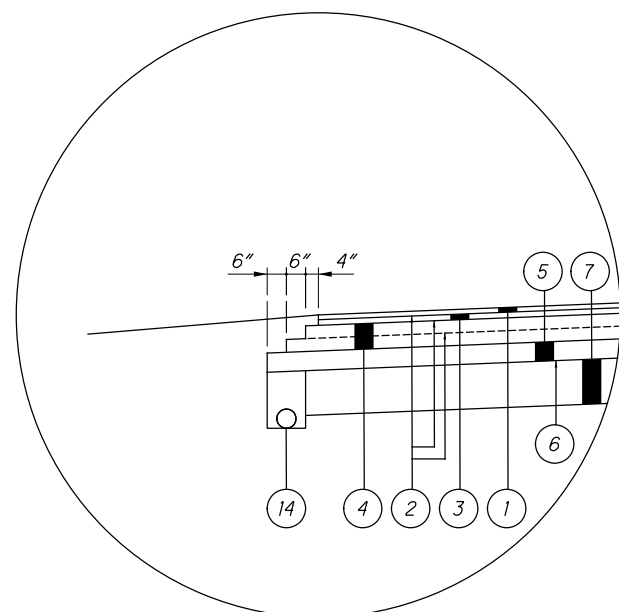
2026-03-24 - BU-29 - RECORD DRAWING PLANS

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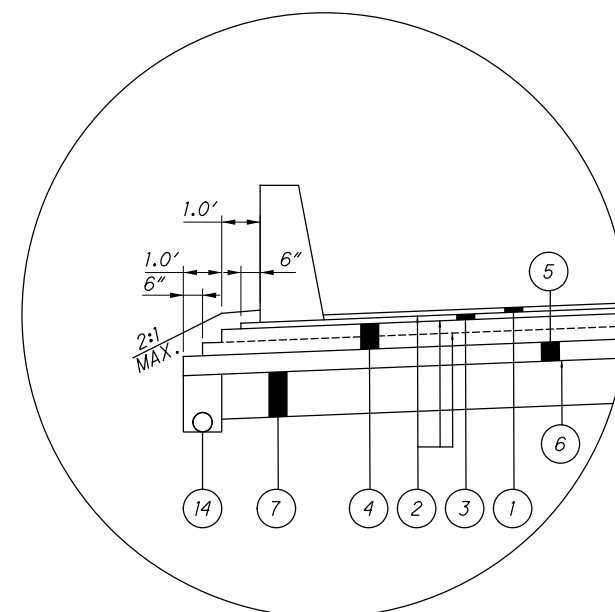
FOR LEGEND, SEE SHEET 2
FOR DETAILS, SEE SHEET 5
FOR DITCH AND GRADING INFORMATION, SEE CROSS SECTIONS
SUSPEND WORK ON LANE S AT EXISTING APPROACH SLAB, STA. 6341+99.24±
RESUME WORK ON LANE S AT EXISTING APPROACH SLAB, STA. 6343+70.83±

[illegible]

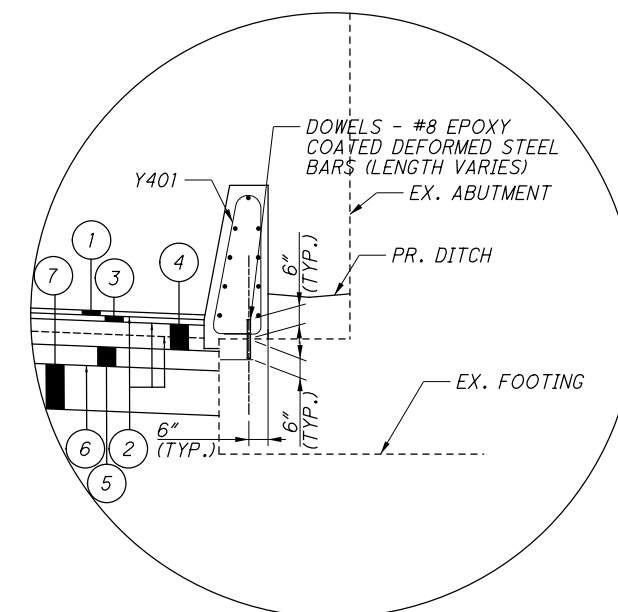
CURB AND GUARDRAIL DETAIL



PAVEMENT "STEP" DETAIL

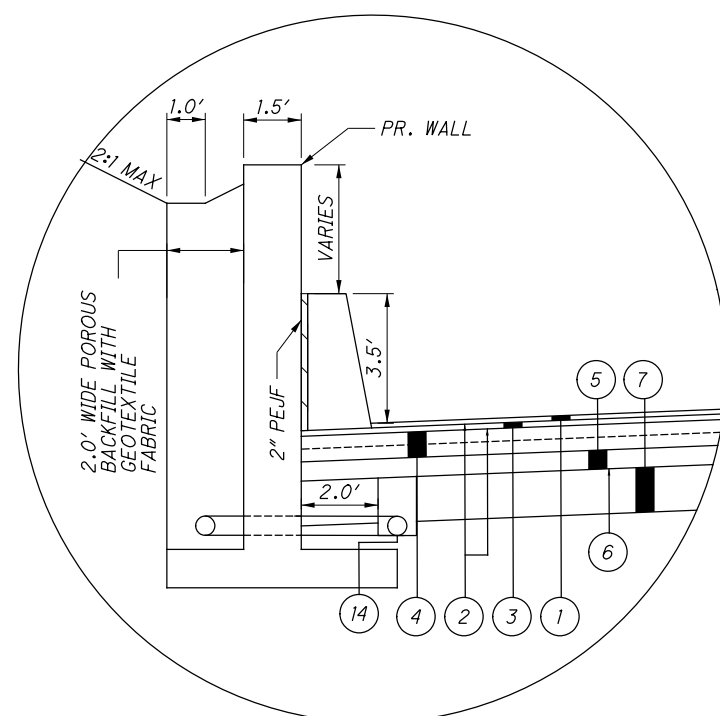


ITEM 622 - CONCRETE BARRIER, TYPE D

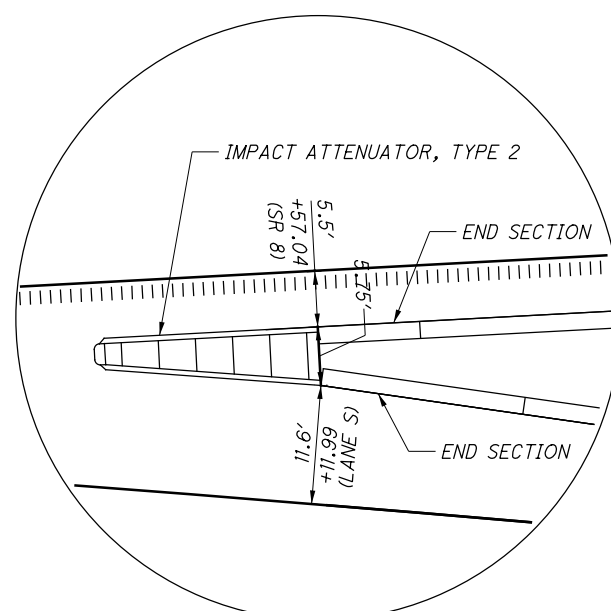


ITEM 622 - CONCRETE BARRIER, TYPE D DOWELING DETAIL

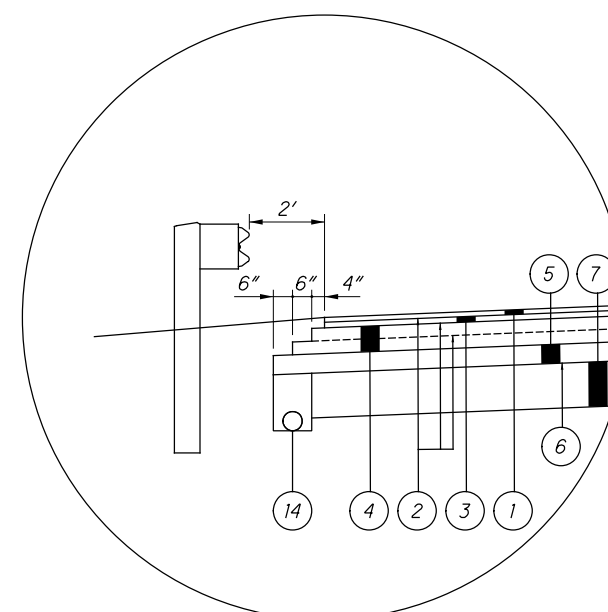
NOTES:
1. INSTALL ONE DOWEL 6" FROM THE BEGINNING AND END OF THE BARRIER.
USE 4.0' MAX. LONGITUDINAL SPACING BETWEEN DOWELS FOR OVERALL
LENGTHS LESS THAN 20.0'.
2. DISTANCE BETWEEN THE BOTTOM OF BARRIER AND EX. ABUTMENT VARIES.
CONTRACTOR SHALL ENSURE 6" EMBEDMENT INTO BOTH PROPOSED BARRIER AND
EX. FOOTING.



ITEM 622 - CONCRETE BARRIER, TYPE D



CONCRETE BARRIER/ATTENUATOR DETAIL



PAVEMENT "STEP" DETAIL
WITH GUARDRAIL

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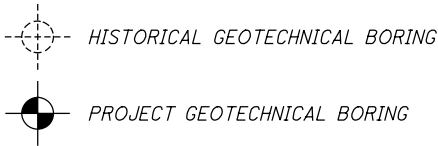
PLAN ABBREVIATIONS

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

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-29 ROADWAY			CALCULATED	JTB	CHECKED	EAK
NO.	DATE	DESCRIPTION				

ITEM 609 - CURB, TYPE 4-C, AS PER PLAN

ALL REQUIREMENTS OF ODOT STANDARD ROADWAY CONSTRUCTION DRAWING 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.

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.

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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.

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.

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

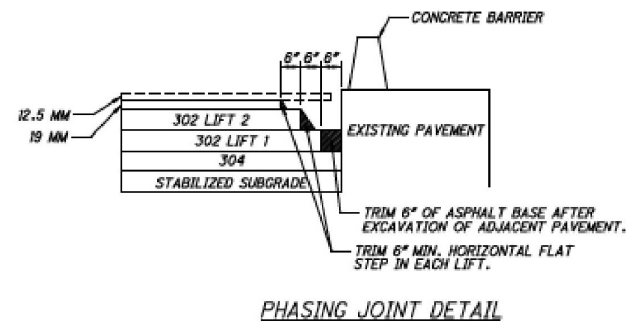
GRANULATED SLAG (GS) SHALL NOT BE PERMITTED FOR THIS ITEM. ALL OTHER REQUIREMENTS OF SECTIONS 304 AND 703.17 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL STILL BE APPLICABLE.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5mm, Type A (447), 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 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. THIS WORK SHALL BE PERFORMED AT ALL OF THE OVERHEAD STRUCTURES WITHIN THE PROJECT LIMITS.

ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, AS PER PLAN

ON THIS PROJECT SUPPLY A 19MM INTERMEDIATE COURSE MEETING THE REQUIREMENTS OF 442 EXCEPT AS MODIFIED BELOW. MODIFY TABLE 442.02-2 AS FOLLOWS:

Sieve Size		9.5 mm mix	12.5 mm mix	19 mm mix
		Total Percent Passing		
1/2 inch	(38 mm)	-	-	100
3/4 inch	(19 mm)	-	100	95 to 100
1/2 inch	(12.5 mm)	100	95 to 100	90 to 100
3/8 inch	(9.5 mm)	90 to 100	96 max	96 max
NO. 4	(4.75 mm)	70 max	52 to 65	60 max
NO. 8	(2.36 mm)	34 to 52	34 to 45	34 to 45
NO. 200	(75 µm)	2 to 8	2 to 8	2 to 8

MODIFY TABLE 442.02-3 AS FOLLOWS:
-APPLY 14.0 FOR A VMA (PERCENT MINIMUM) FOR A 19MM MIX.
-APPLY 5.3 PERCENT FOR THE MINIMUM TOTAL ASPHALT BINDER CONTENT FOR A 19MM MIX.

MODIFY THE 442 INTERMEDIATE COURSE REQUIREMENTS OF TABLES 401.04-1 AND 401.04-2 AS FOLLOWS:
-APPLY 3.5 PERCENT FOR THE TOTAL VIRGIN ASPHALT BINDER CONTENT, MINIMUM.
-USE A PG 64-22 IF USING 25 PERCENT OR LESS RAP. USE PG 64-28 IF USING GREATER THAN 25 PERCENT RAP.

COMMUNITY NOTIFICATION

THE CONTRACTOR WILL ADVISE THE ODOT PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR MUST ALSO PROVIDE NOTIFICATION TO THE ODOT PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO ANY LANE RESTRICTIONS. THE ODOT PROJECT ENGINEER WILL FORWARD THE INFORMATION TO THE ODOT, DISTRICT 4 OFFICE OF PUBLIC INFORMATION FOR USE TO NOTIFY EMERGENCY SERVICES AND THE COMMUNITY A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE START OF PROJECT CONSTRUCTION. INCLUDED IN THIS NOTIFICATION WILL BE THE PROPOSED LANE RESTRICTIONS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT

THE DBT SHALL SUBMIT TO THE ODOT PROJECT MANAGER THE TOTAL NUMBER OF ACRES OF EARTH DISTURBANCE ACTIVITIES FOR BOTH OFF PROJECT AND ON PROJECT WORK IN A TIMELY MANNER. THIS INFORMATION WILL BE USED TO DEVELOP THE NOI IF REQUIRED. THE NOI WILL BE SUBMITTED TO THE OEPA WITHIN 10 DAYS AFTER THIS INFORMATION IS RECEIVED FROM THE DBT. APPROVAL FROM THE OEPA TAKES 21 DAYS AND THE ODOT PROJECT MANAGER HAS 10 DAYS TO FILE THE NOI SO THESE 31 DAYS WILL BE COUNTED FOR IN THE PROJECT.

ALL TEMPORARY EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR EVEN IF A SWPPP IS NOT REQUIRED. EARTH DISTURBING ACTIVITY IS NOT PERMITTED PRIOR TO THE OEPA PERMIT APPROVAL. FOR PROJECTS THAT REQUIRE AN NOI, THE SWPPP MUST BE IN PLACE PRIOR TO THE INITIATION OF ANY EARTH DISTURBING ACTIVITY. ALL TEMPORARY EROSION CONTROL WORK AND THE SWPPP IF REQUIRED WILL BE PER SS832. FOR INFORMATION ABOUT OEPA'S NPDES PERMIT REQUIREMENTS SEE [HTTPS://WWW.EPA.OHIO.GOV/DSW/STORM/INDEX](https://www.epa.ohio.gov/dsw/storm/index)

ITEMS USED TO IMPLEMENT THE DBT'S EROSION CONTROL REQUIREMENTS ARE PAID FROM AN ENCUMBERED AMOUNT INCLUDED IN THE PROPOSAL AS A NON-BID REFERENCE NUMBER. THE PROPOSAL SPECIFIES THE UNIT PRICES FOR THE EROSION CONTROL ITEMS. PAYMENTS FOR EROSION CONTROL ITEMS THAT EXCEED THE ENCUMBERED AMOUNT WILL BE MADE BY AN EXTRA WORK CHANGE ORDER USING THE SPECIFIED UNIT PRICES. THE SPECIFIED UNIT PRICES ARE FIXED FOR THE CONTRACT AND MAY NOT BE NEGOTIATED OR ADJUSTED FOR INFLATION OR CLAIMED CHANGED CONDITION.

THE PREPARATION OF THE SWPPP, ALONG WITH ALL REQUIREMENTS OF SS832 FOR MAINTAINING, INSPECTING, MODIFYING AND UPDATING THE SWPPP ARE CONSIDERED INCIDENTAL TO THE PROJECT.

REMOVAL OF TEMPORARY EROSION CONTROL ITEMS

ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED BEFORE THE PROJECT IS ACCEPTED. REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE C&MS SPECIFICATIONS.

WATERWAY PERMITS

THE WATERWAY PERMITS WILL BE OBTAINED BY ODOT PRIOR TO CONSTRUCTION. THE PROJECT WILL BE COVERED UNDER ODOT REGIONAL GENERAL PERMIT - B.

FLOODPLAIN COORDINATION

FLOODPLAIN COORDINATION IS COMPLETE, AND NO FLOOD-PLAIN PERMIT IS NEEDED.

ISSUE RECORD BU-29 ROADWAY			CALCULATED	JTB	CHECKED	EAK
NO.	DATE	DESCRIPTION				

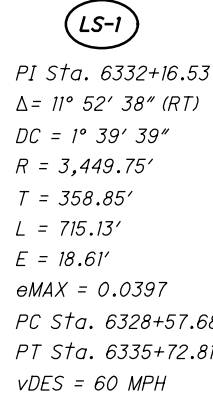
ENDANGERED SPECIES HABITAT

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.

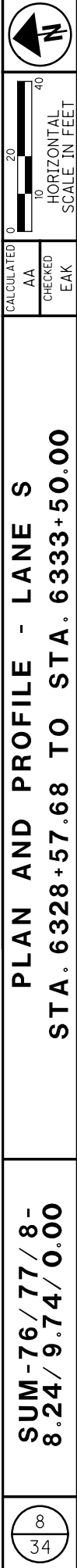
GENERAL NOTES

2026-03-24 - BU-29 - RECORD DRAWING PLANS

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



2026-03-24 - BU-29 - RECORD DRAWING PLANS

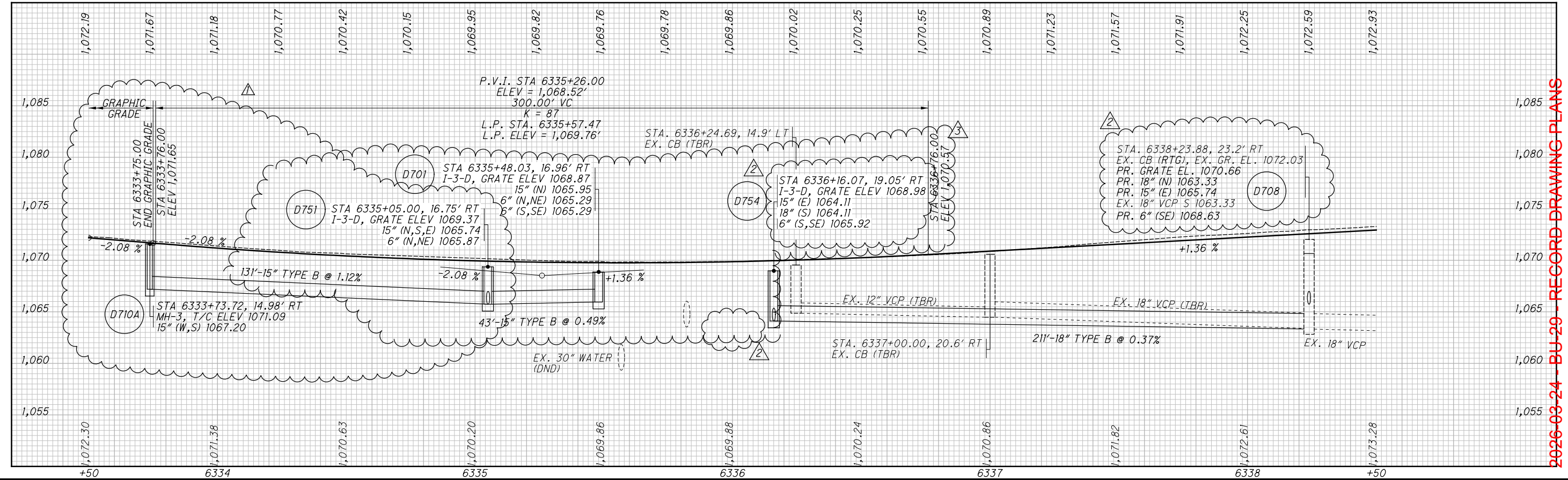


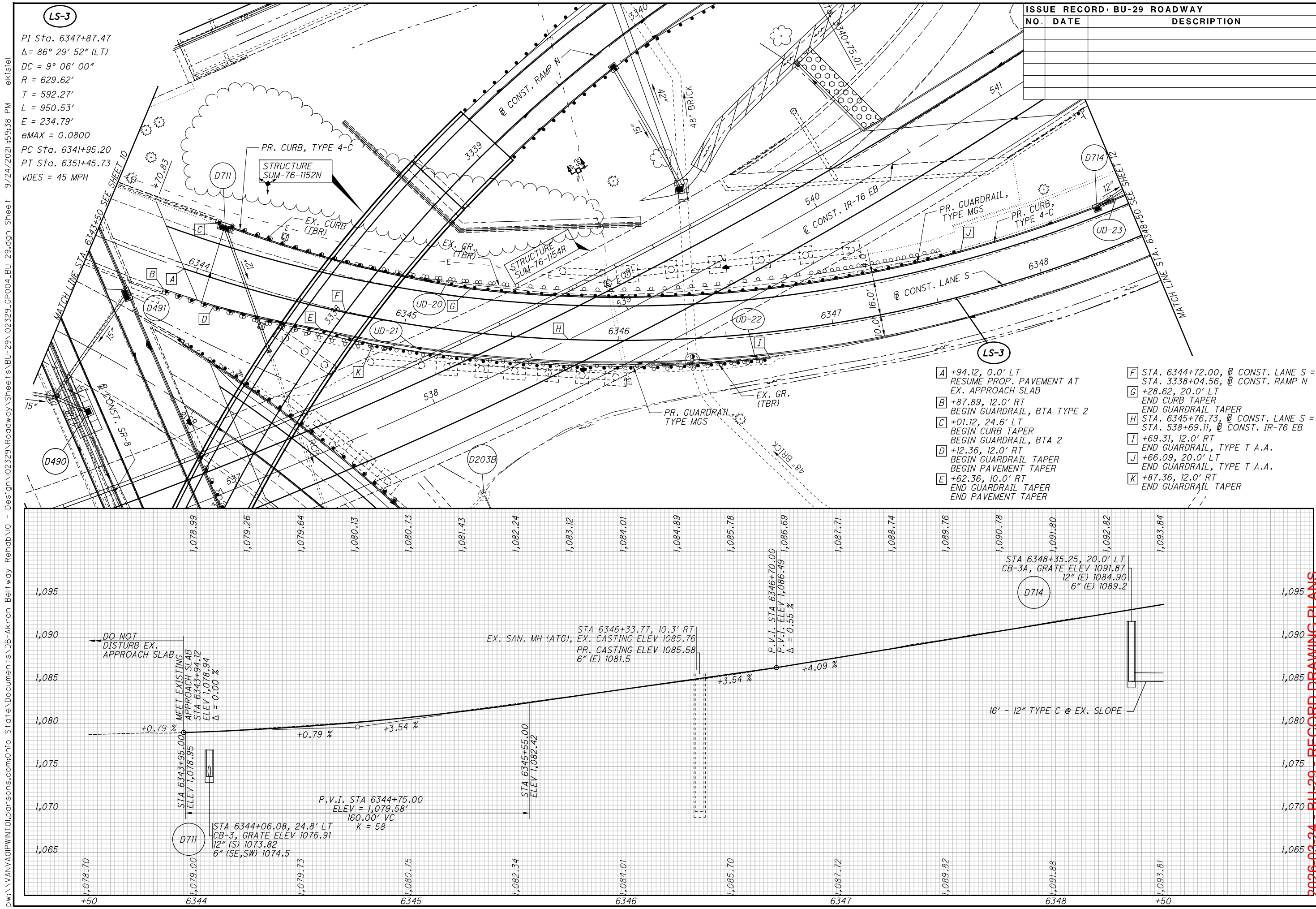
LS-1

PI Sta. 6332+16.53
Δ = 11° 52' 38" (RT)
DC = 1° 39' 39"
R = 3,449.75'
T = 358.85'
L = 715.13'
E = 18.61'
eMAX = 0.0397
PC Sta. 6328+57.68
PT Sta. 6335+72.81
vDES = 60 MPH

LS-2

PI Sta. 6339+75.39
Δ = 40° 12' 05" (LT)
DC = 8° 45' 00"
R = 654.81'
T = 239.64'
L = 459.45'
E = 42.47'
eMAX = 0.0800
PC Sta. 6337+35.76
PT Sta. 6341+95.20
vDES = 45 MPH





ISSUE RECORD - BU-29 ROADWAY		
NO.	DATE	DESCRIPTION

02040

HORIZONTAL SCALE IN FEET

CALCULATED

AA

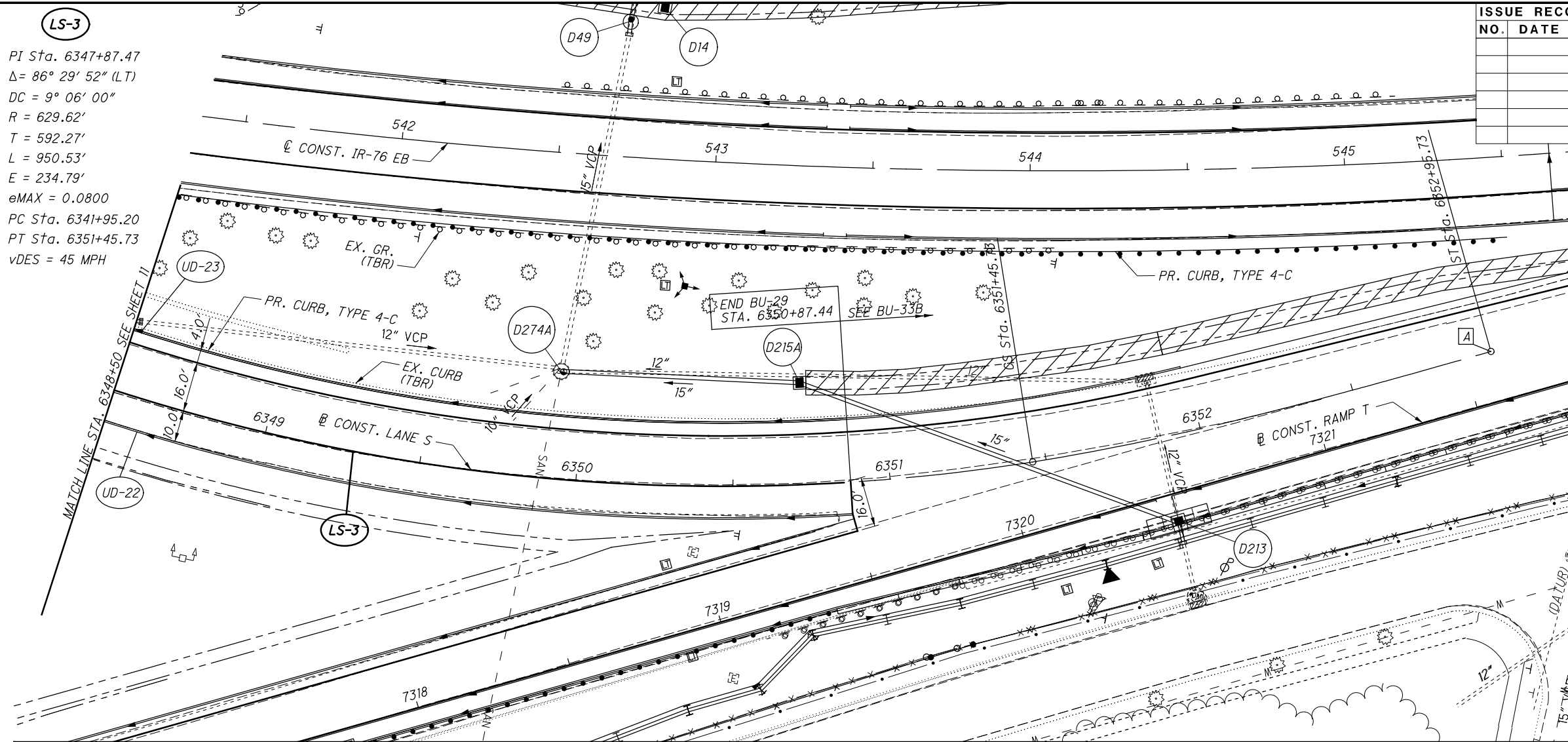
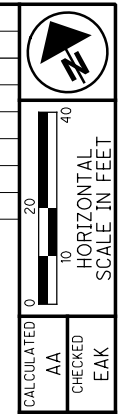
CHECKED

EAK

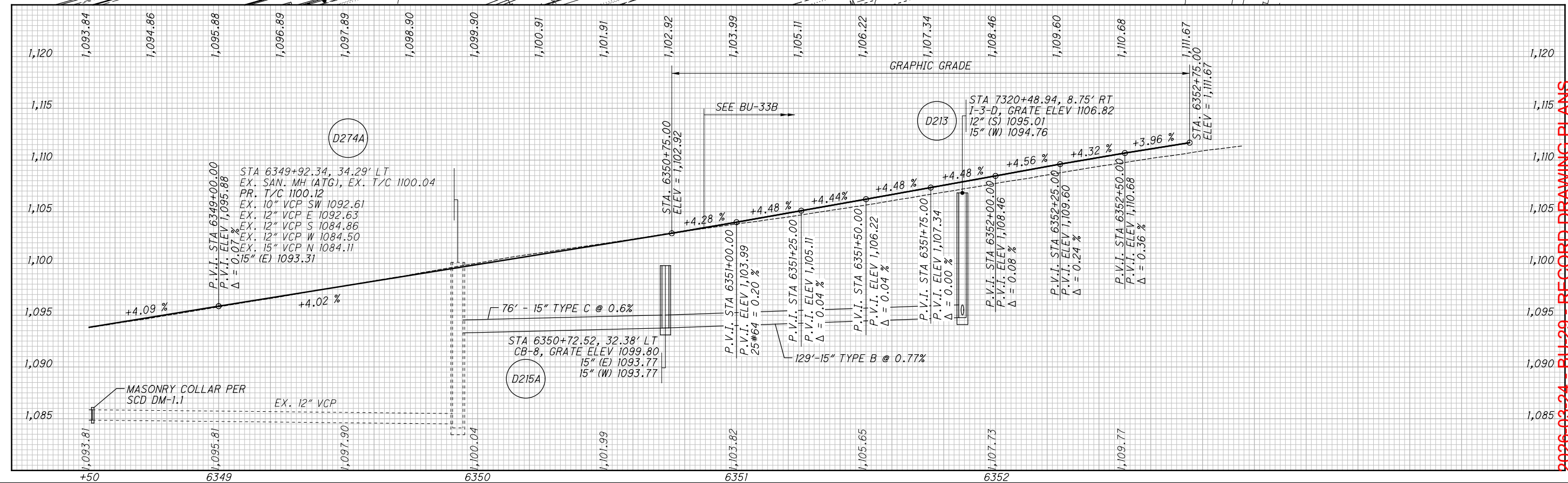
PLAN AND PROFILE - LANE S
STA. 6343+50.00 TO STA. 6348+50.00

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

PI Sta. 6347+87.47
 $\Delta = 86^{\circ} 29' 52''$ (LT)
DC = $9^{\circ} 06' 00''$
R = 629.62'
T = 592.27'
L = 950.53'
E = 234.79'
eMAX = 0.0800
PC Sta. 6341+95.20
PT Sta. 6351+45.73
vDES = 45 MPH

[illegible]

[A] STA. 6352+95.73, 0.0' LT B CONST. LANE S =
 STA. 732+59.10, 16.0' LT B CONST. RAMP T



2026-03-24 - BU-29 - RECORD DRAWING PLANS

PLAN AND PROFILE - LANE S
STA. 6348+50.00 TO END

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

12	34
----	----

[A] STA. 6336+19.91, @ CONST. LANE S = STA. 5336+19.91, @ CONST. RAMP P [B] +16.18 (LANE S), 12.0' RT BEGIN PAVEMENT TAPER [C] +74.33 (RAMP P), 16.0' RT END PAVEMENT TAPER [D] +40.12 (RAMP P), 21.4' RT END BARRIER, BARRIER END SECTION BEGIN GUARDRAIL BTA TYPE 2 [E] +55.11 (RAMP P), 4.0' LT GORE LOCATION [F] NOT USED [G] +40.12 (RAMP P), 24.08' RT END DITCH, E=1069.30 GRADE DITCH TO BACK OF CURB W/ RCP TYPE C	[H] +25.15 (RAMP P), 22.0' RT END CURB BEGIN GUARDRAIL TAPER [I] +76.41 (RAMP P), 6.0' LT BEGIN GUARDRAIL TYPE E AA [J] +50.15 (RAMP P), 24.0' RT END GUARDRAIL TAPER
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PR. GR. TYPE MGS

PR. CURB, TYPE

UD

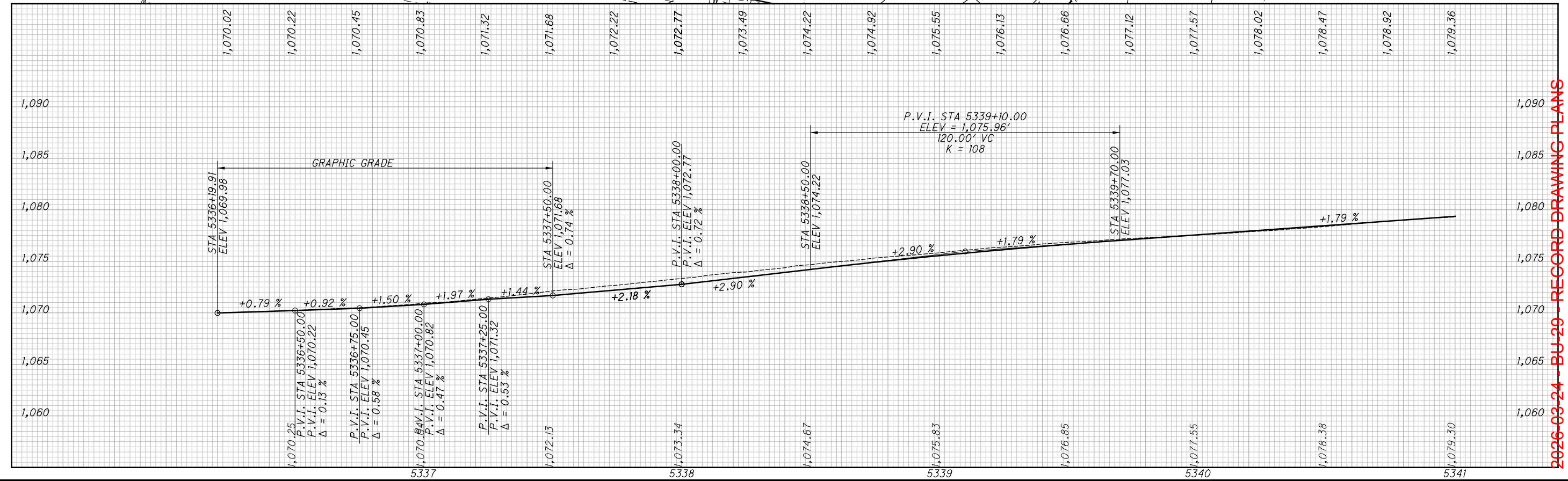
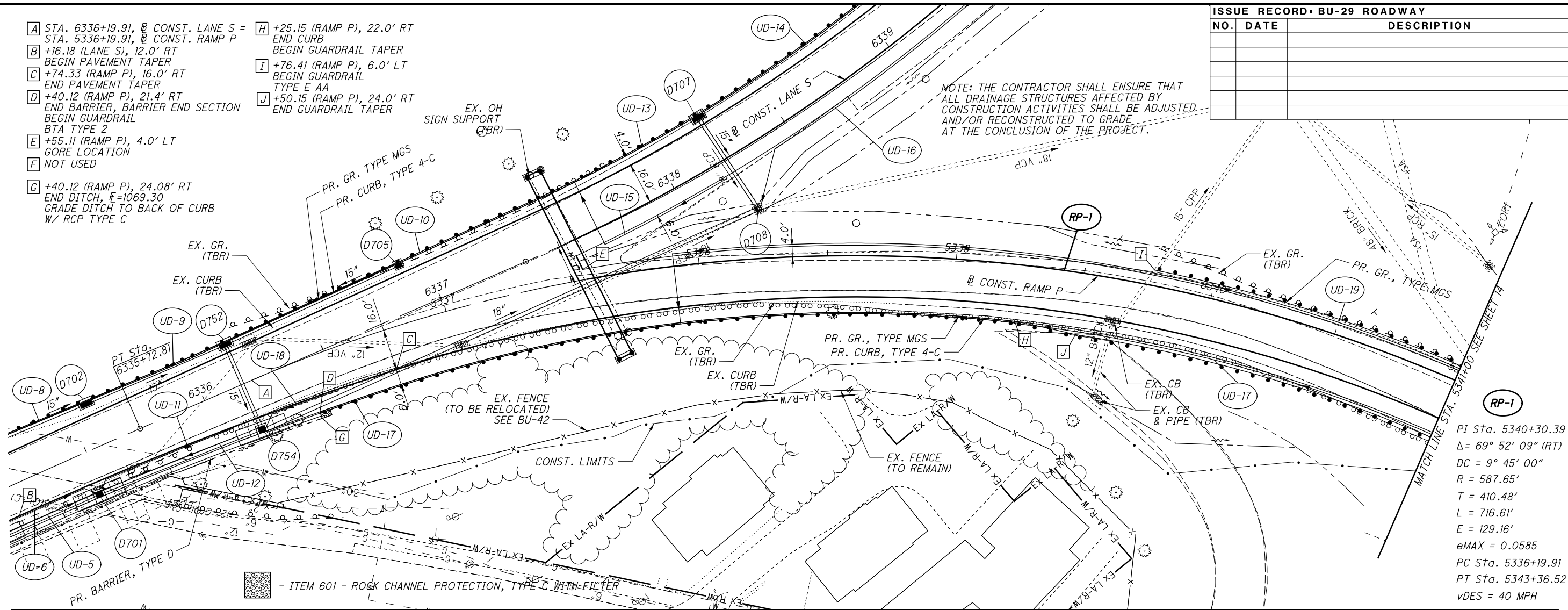
[A] STA. 6336+19.91, @ CONST. LANE S = STA. 5336+19.91, @ CONST. RAMP P [B] +16.18 (LANE S), 12.0' RT BEGIN PAVEMENT TAPER [C] +74.33 (RAMP P), 16.0' RT END PAVEMENT TAPER [D] +40.12 (RAMP P), 21.4' RT END BARRIER, BARRIER END SECTION BEGIN GUARDRAIL BTA TYPE 2 [E] +55.11 (RAMP P), 4.0' LT GORE LOCATION [F] NOT USED [G] +40.12 (RAMP P), 24.08' RT END DITCH, E=1069.30 GRADE DITCH TO BACK OF CURB W/ RCP TYPE C	[H] +25.15 (RAMP P), 22.0' RT END CURB BEGIN GUARDRAIL TAPER [I] +76.41 (RAMP P), 6.0' LT BEGIN GUARDRAIL TYPE E AA [J] +50.15 (RAMP P), 24.0' RT END GUARDRAIL TAPER
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PR. GR. TYPE MGS

PR. CURB, TYPE

UD

NOTE: THE CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE ADJUSTED AND/OR RECONSTRUCTED TO GRADE AT THE CONCLUSION OF THE PROJECT.

[illegible]

PLAN AND PROFILE - RAMP P
STA. 5336+19.91 TO STA. 5341+00

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

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- A

+26.76, 4.0' LT
BEGIN SHOULDER TAPER
+34.59, 6.1' LT
END GUARDRAIL
TYPE T A.A.

B

+73.60, 22.0' RT
BEGIN SHOULDER TAPER
+73.60, 24.0' RT
BEGIN GUARDRAIL TAPER
+04.85, 23.48' RT
END SHOULDER TAPER
END BU-29

C

+04.85, 9.4' LT
END SHOULDER TAPER
END BU-29

D

+73.60, 22.0' RT
BEGIN SHOULDER TAPER
+73.60, 24.0' RT
BEGIN GUARDRAIL TAPER
+04.85, 23.48' RT
END SHOULDER TAPER
CONNECT TO EX. GUARDRAIL
- RP-1
- PI Sta. 5340+30.39
 $\Delta = 69^\circ 52' 09''$ (RT)
DC = $9^\circ 45' 00''$
R = 587.65'
T = 410.48'
L = 716.61'
E = 129.16'
eMAX = 0.0585
PC Sta. 5336+19.91
PT Sta. 5343+36.52
vDES = 40 MPH
- NOTE: THE CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE ADJUSTED AND/OR RECONSTRUCTED TO GRADE AT THE CONCLUSION OF THE PROJECT.
- | ISSUE RECORD - BU-29 ROADWAY | | |
|------------------------------|------|-------------|
| NO. | DATE | DESCRIPTION |
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- CALCULATED
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CHECKED
EAK

0 20 40

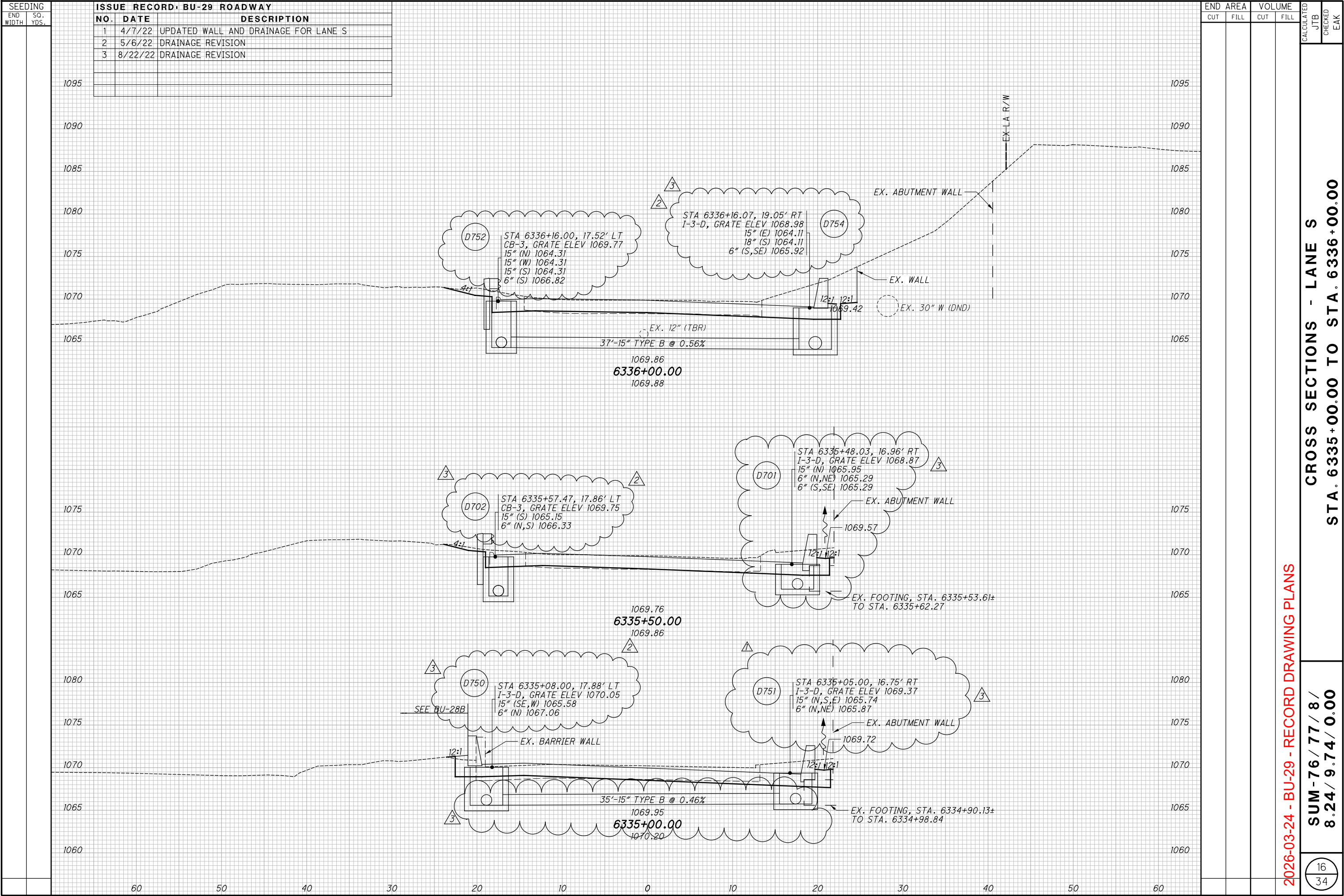
HORIZONTAL
SCALE IN FEET
-
- 2026-03-24 - BU-29 - RECORD DRAWING PLANS
- PLAN AND PROFILE - RAMP P
STA. 5341+00 TO STA. 5345+24.32

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

14
34

CROSS SECTIONS - LANE S
STA. 6334+11.99 TO STA. 6334+50.00

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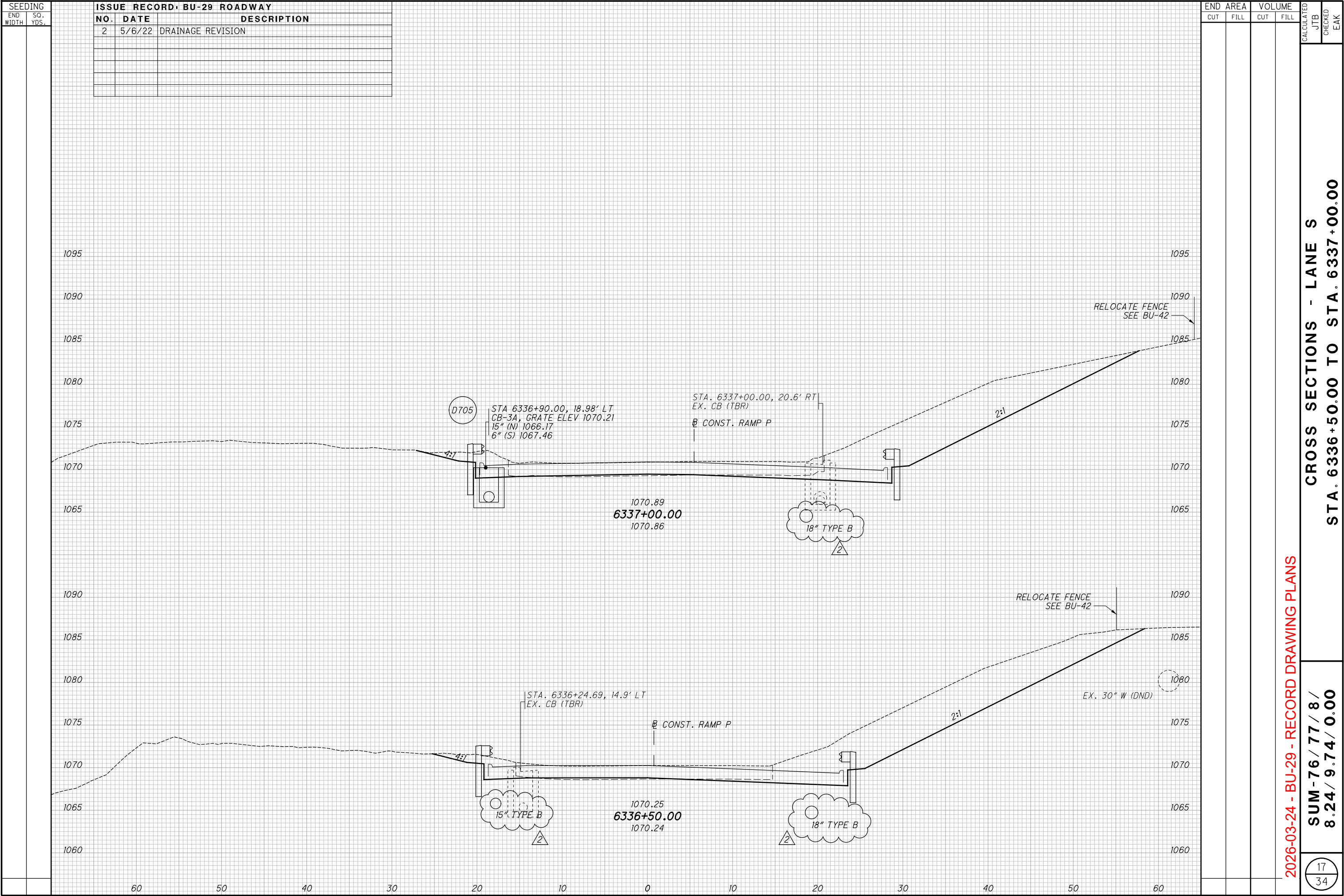
2026-03-24 - BU-29 - RECORD DRAWING PLANS

CROSS SECTIONS - LANE S
STA. 6335+00.00 TO STA. 6336+00.00

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

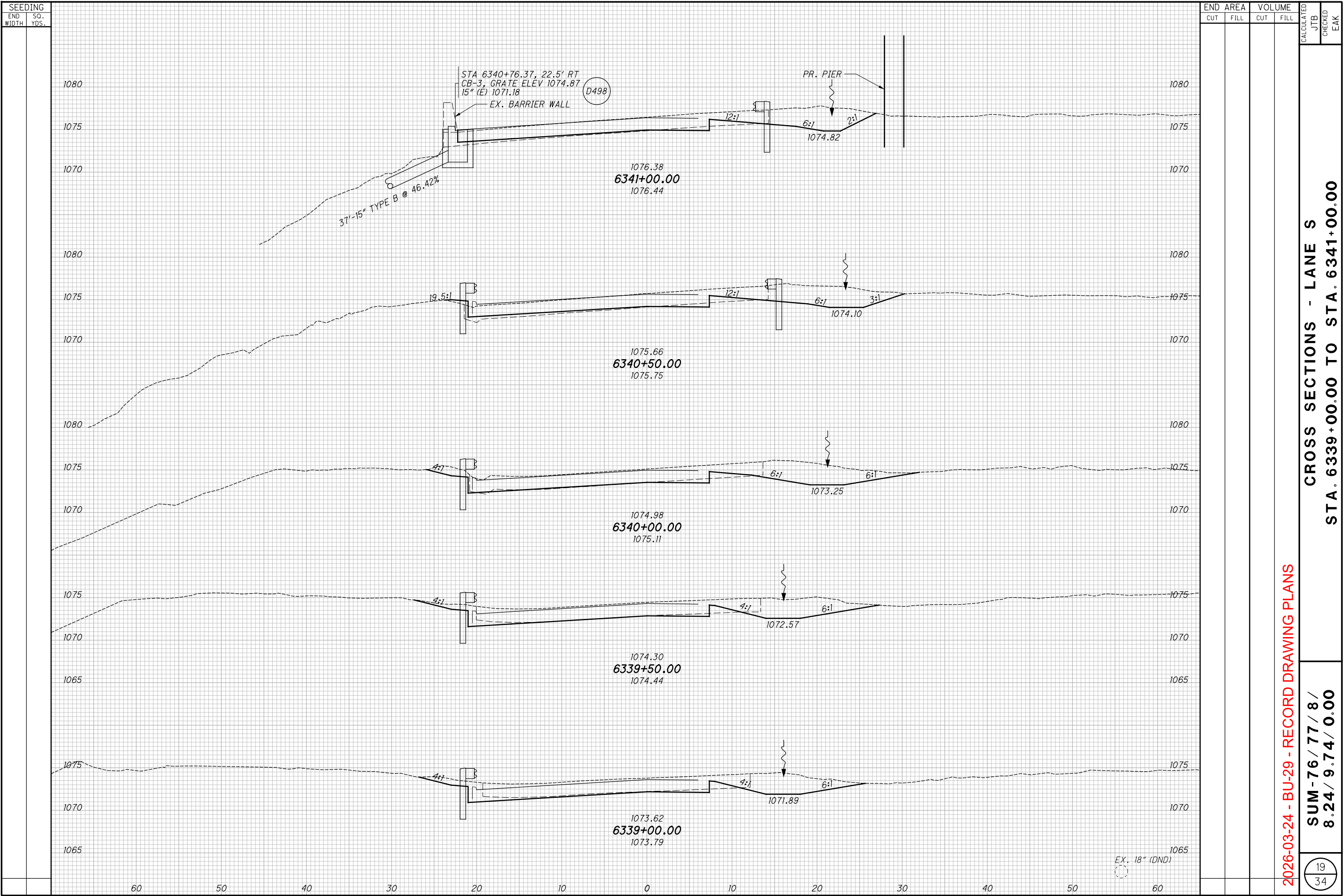
16
34

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CROSS SECTIONS - LANE S
STA. 6337+50.00 TO STA. 6338+50.00

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2026-03-24 - BU-29 - RECORD DRAWING PLANS

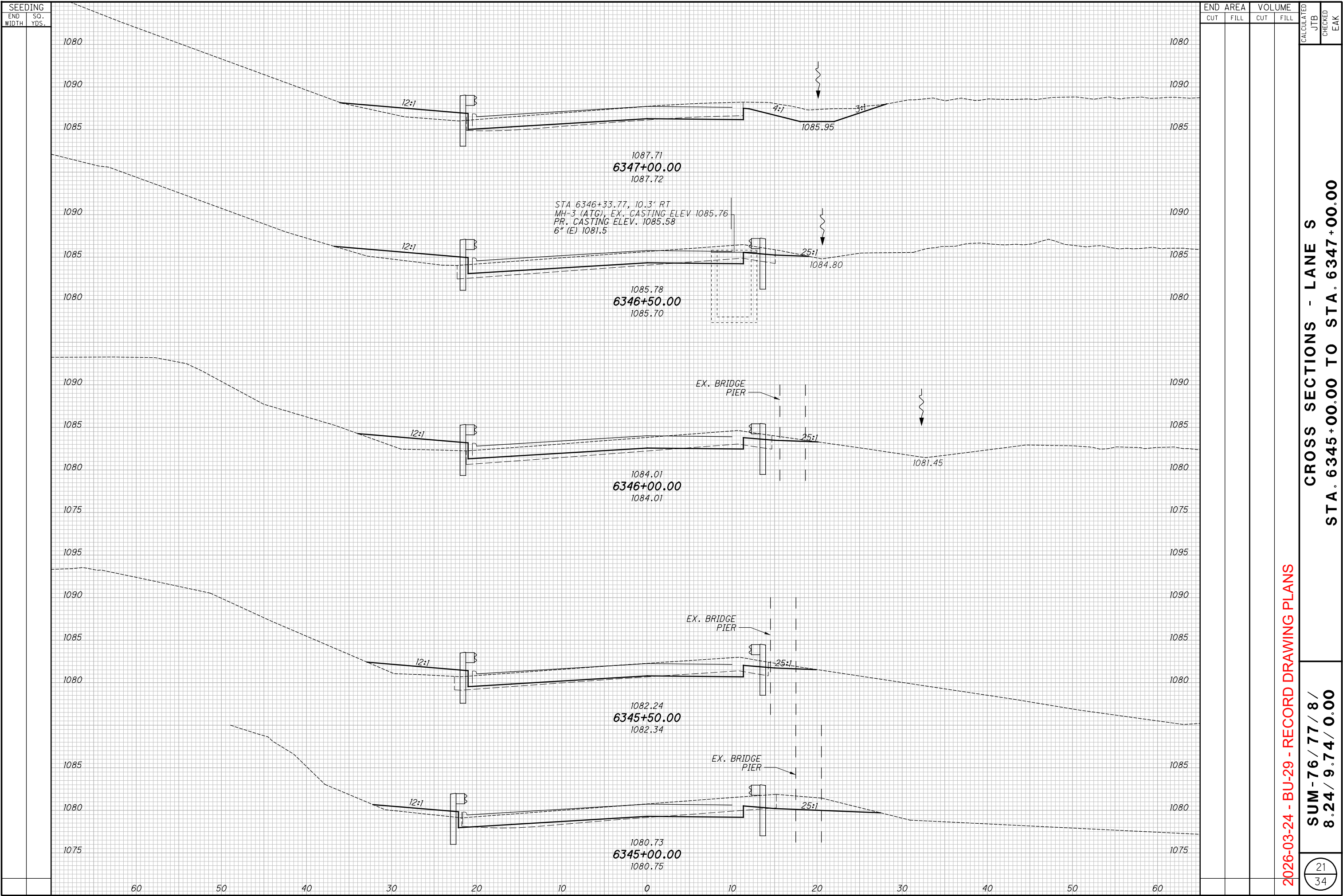
CROSS SECTIONS - LANE S
STA. 6339+00.00 TO STA. 6341+00.00

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

19
34

CROSS SECTIONS - LANE S
STA. 6341+77.19 TO STA. 6344+50.00

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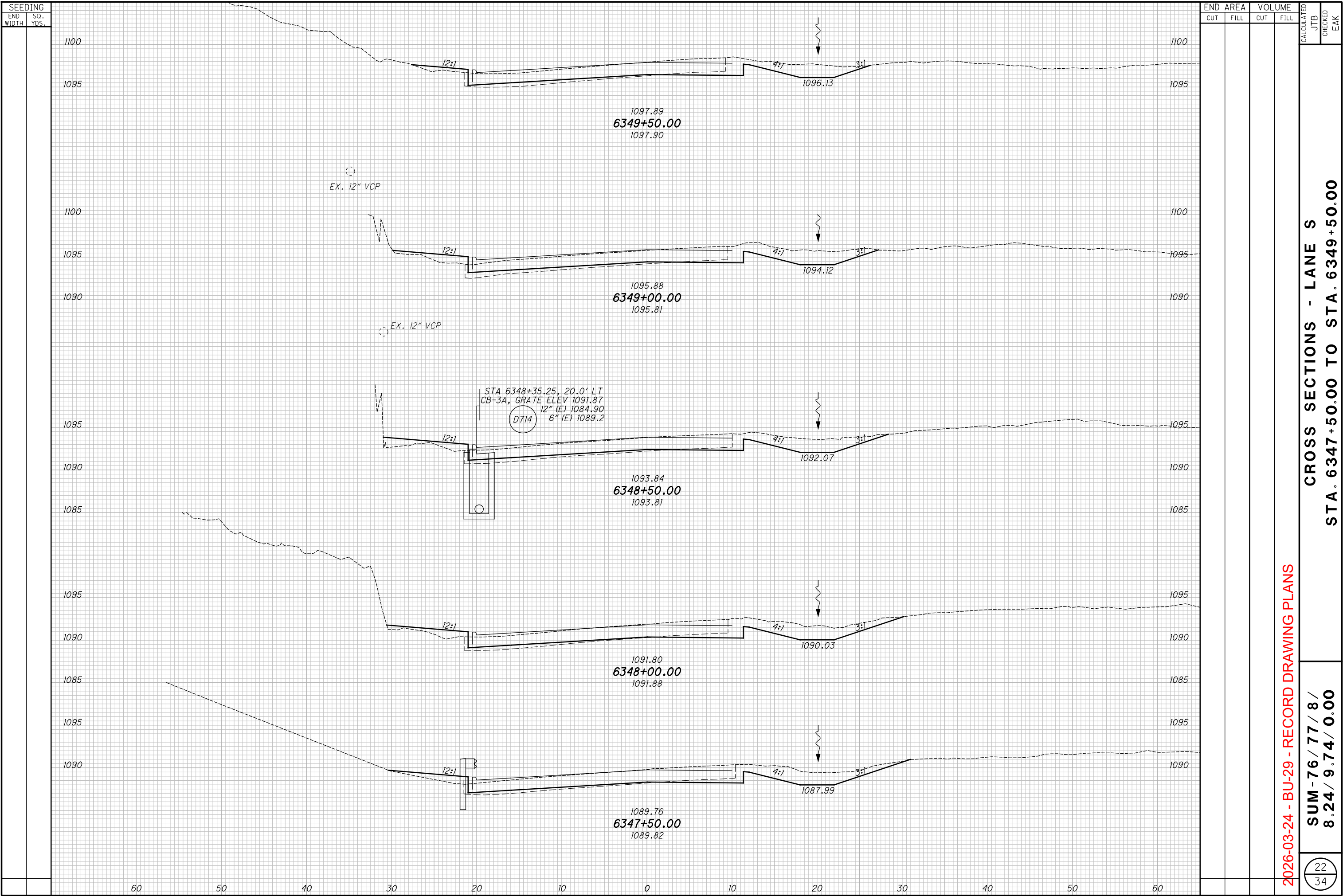
2026-03-24 - BU-29 - RECORD DRAWING PLANS

CROSS SECTIONS - LANE S
STA. 6345+00.00 TO STA. 6347+00.00

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

21
34

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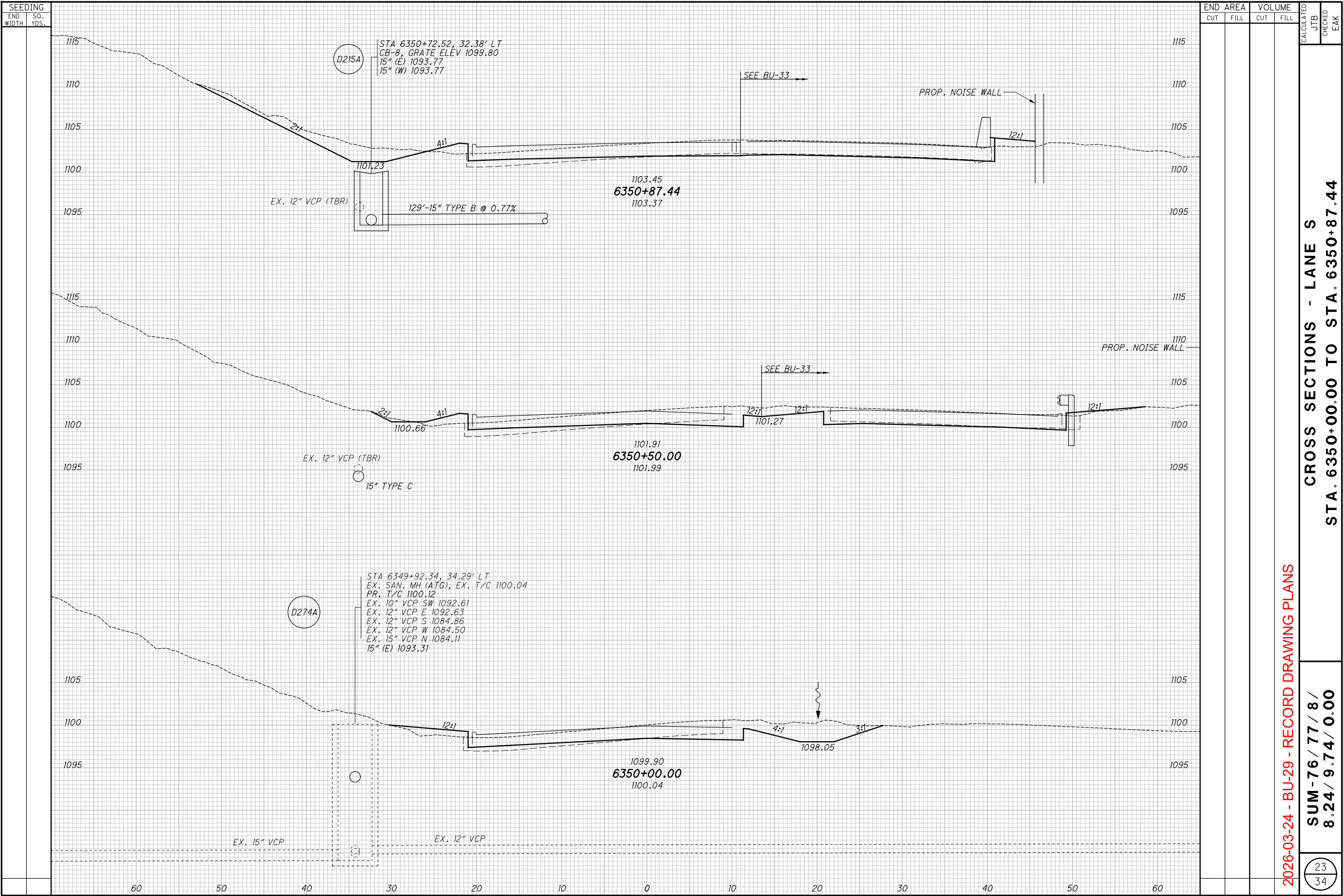
2026-03-24 - BU-29 - RECORD DRAWING PLANS

CROSS SECTIONS - LANE S
STA. 6347+50.00 TO STA. 6349+50.00

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

22
34

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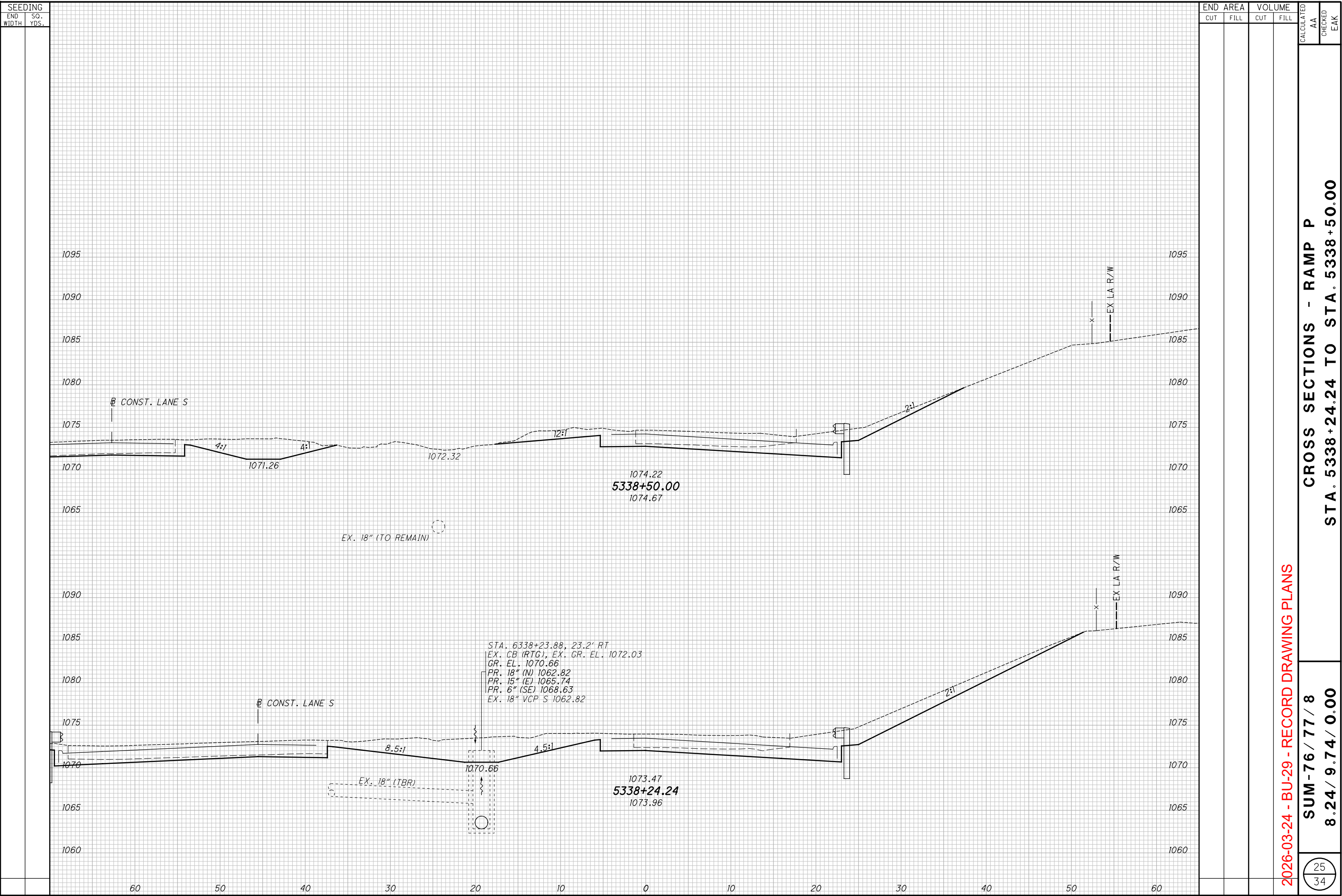
CROSS SECTIONS - LANE S
STA. 6350+00.00 TO STA. 6350+87.44

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

23
34

CROSS SECTIONS - RAMP P
STA. 5337+55.11 TO STA. 5338+00.00

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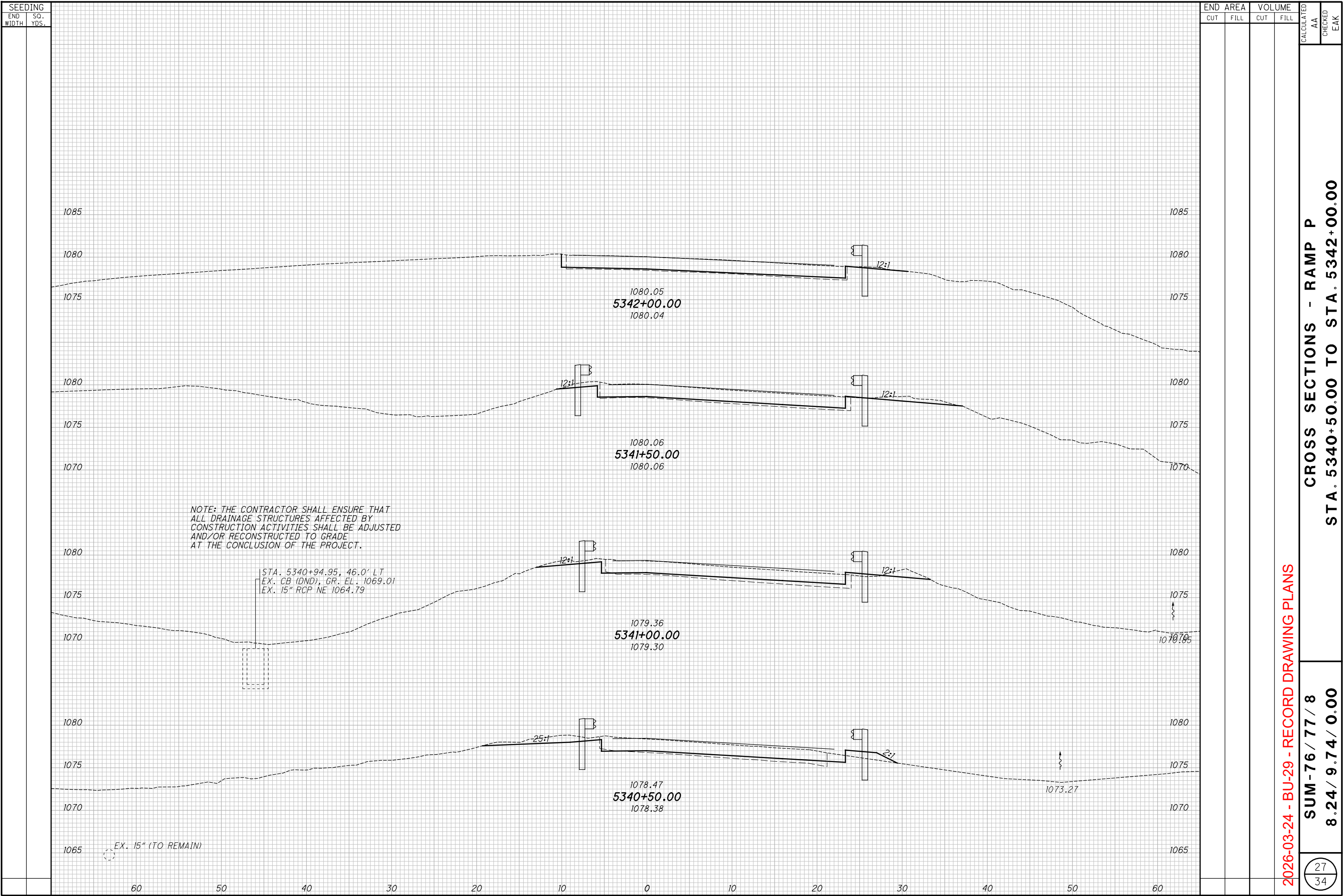
2026-03-24 - BU-29 - RECORD DRAWING PLANS

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

CROSS SECTIONS - RAMP P
STA. 5338+24.24 TO STA. 5338+50.00



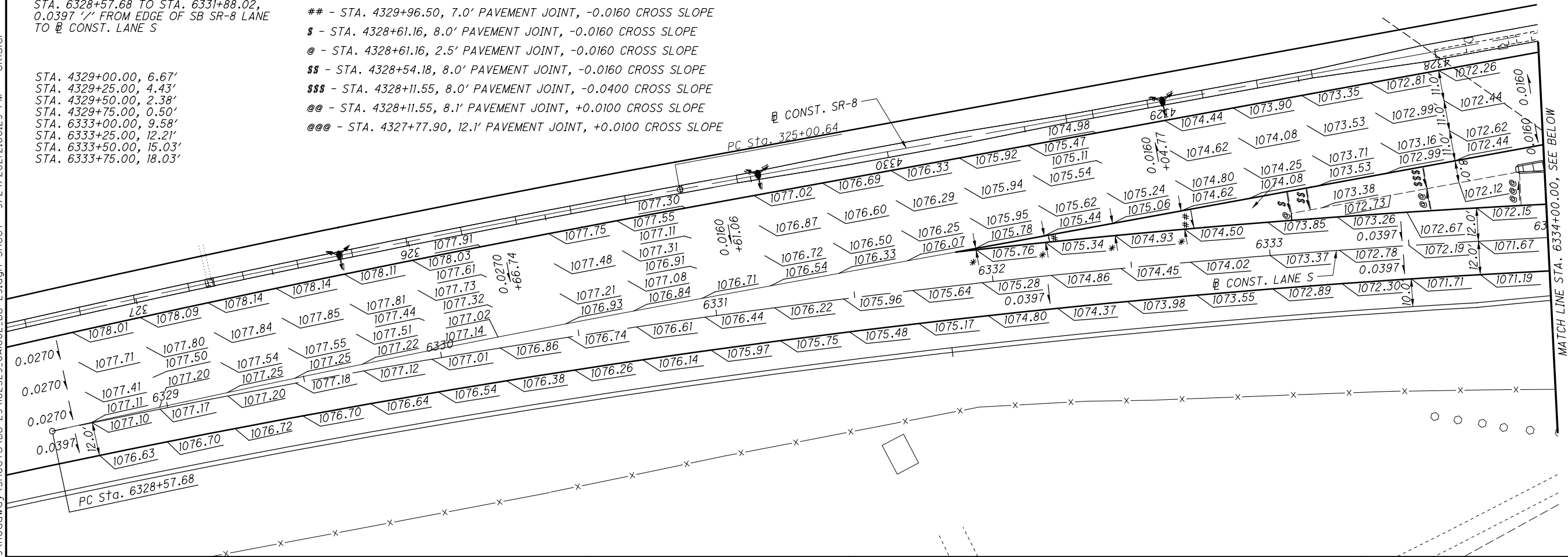
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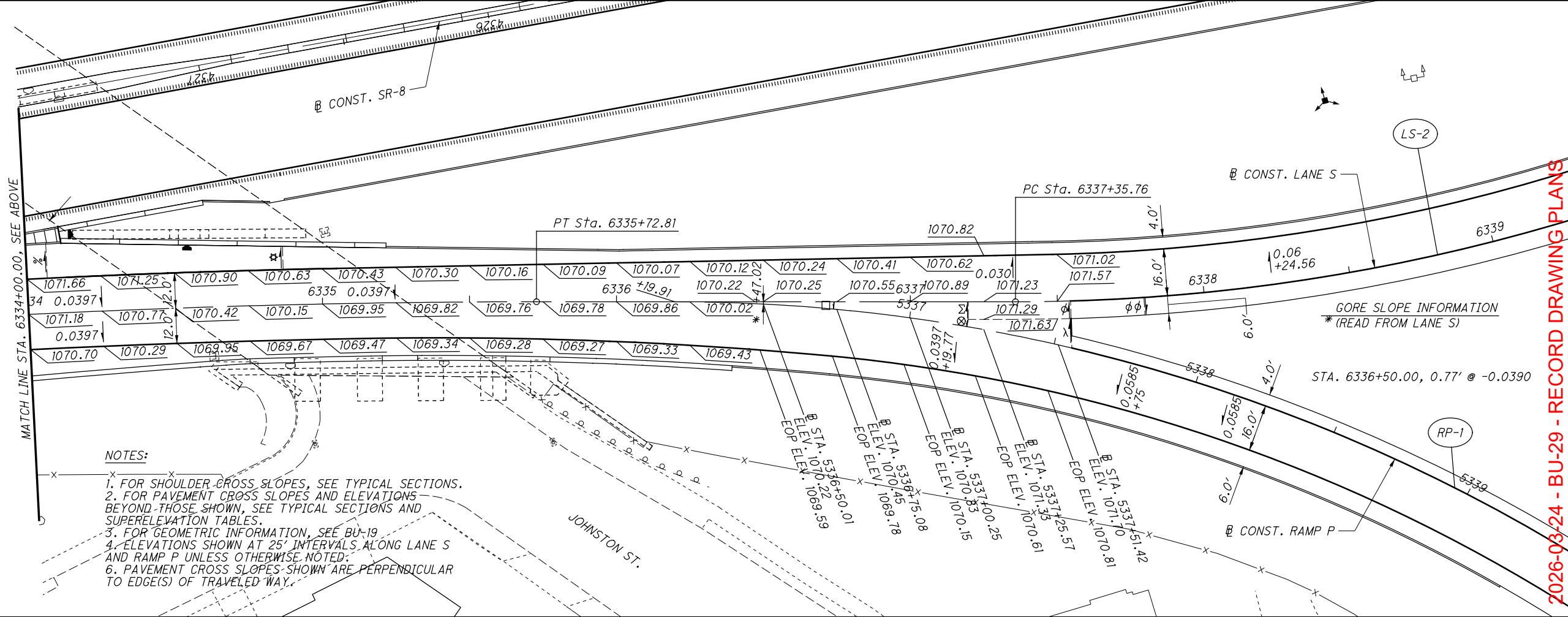
STA. 6328+57.68 TO STA. 6331+88.02,
0.0397 '"/' FROM EDGE OF SB SR-8 LANE
TO @ CONST. LANE S

STA. 4329+00.00, 6.67'
STA. 4329+25.00, 4.43'
STA. 4329+50.00, 2.38'
STA. 4329+75.00, 0.50'
STA. 6333+00.00, 9.58'
STA. 6333+25.00, 12.21'
STA. 6333+50.00, 15.03'
STA. 6333+75.00, 18.03'

- STA. 4329+48.44, 2.5' PAVEMENT JOINT, -0.0397 CROSS SLOPE
- STA. 4329+96.50, 7.0' PAVEMENT JOINT, -0.0160 CROSS SLOPE
\$ - STA. 4328+61.16, 8.0' PAVEMENT JOINT, -0.0160 CROSS SLOPE
@ - STA. 4328+61.16, 2.5' PAVEMENT JOINT, -0.0160 CROSS SLOPE
\$\$ - STA. 4328+54.18, 8.0' PAVEMENT JOINT, -0.0160 CROSS SLOPE
\$\$\$ - STA. 4328+11.55, 8.0' PAVEMENT JOINT, -0.0400 CROSS SLOPE
@@ - STA. 4328+11.55, 8.1' PAVEMENT JOINT, +0.0100 CROSS SLOPE
@@@ - STA. 4327+77.90, 12.1' PAVEMENT JOINT, +0.0100 CROSS SLOPE



% - STA. 6334+06.87, 12.0' PAVEMENT JOINT, +0.0100 CROSS SLOPE
* - STA. 6334+86.87, 7.9' PAVEMENT JOINT, -0.0303 CROSS SLOPE
□ - STA. 6336+74.18, 2.5' PAVEMENT JOINT, -0.0397 CROSS SLOPE
Σ - STA. 6337+19.72, 6.0' PAVEMENT JOINT, +0.0100 CROSS SLOPE
⊗ - STA. 6337+19.72, 2.5' PAVEMENT JOINT, +0.0100 CROSS SLOPE
λ - STA. 6337+54.49, 10.0' PAVEMENT JOINT, +0.0070 CROSS SLOPE
φ - STA. 6337+54.49, 6.0' PAVEMENT JOINT, +0.0100 CROSS SLOPE
φφ - STA. 6337+79.49, 6.0' PAVEMENT JOINT, -0.0100 CROSS SLOPE



NOTES:

1. FOR SHOULDER CROSS SLOPES, SEE TYPICAL SECTIONS.
2. FOR PAVEMENT CROSS SLOPES AND ELEVATIONS BEYOND THOSE SHOWN, SEE TYPICAL SECTIONS AND SUPERELEVATION TABLES.
3. FOR GEOMETRIC INFORMATION, SEE BU-19.
4. ELEVATIONS SHOWN AT 25' INTERVALS ALONG LANE S AND RAMP P UNLESS OTHERWISE NOTED.
5. PAVEMENT CROSS SLOPES SHOWN ARE PERPENDICULAR TO EDGE(S) OF TRAVELED WAY.

TERMINAL DETAIL
RAMP P & LANE S GORE

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

29
34

2026-03-24 - BU-29 - RECORD DRAWING PLANS



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ISSUE RECORD - BU-29 ROADWAY		
NO.	DATE	DESCRIPTION

CALCULATED
AA

CHECKED
EAK

SUPERELEVATION TABLE - LANE S

2026-03-24 - BU-29 - RECORD DRAWING PLANS

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

30
34

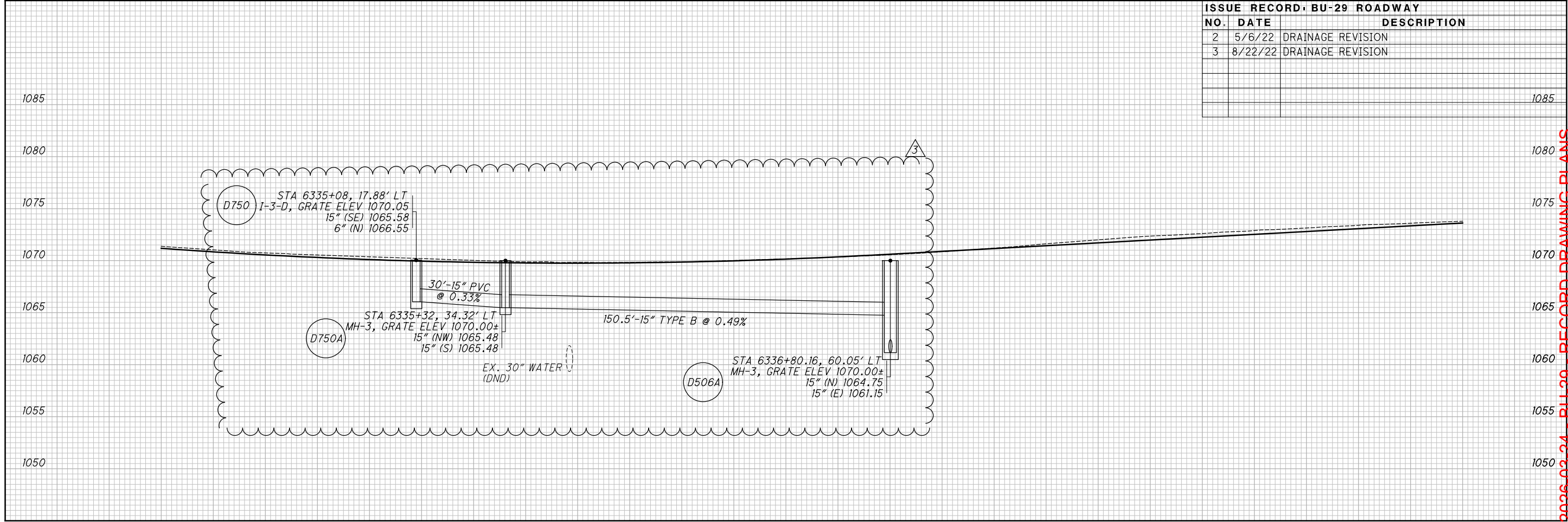
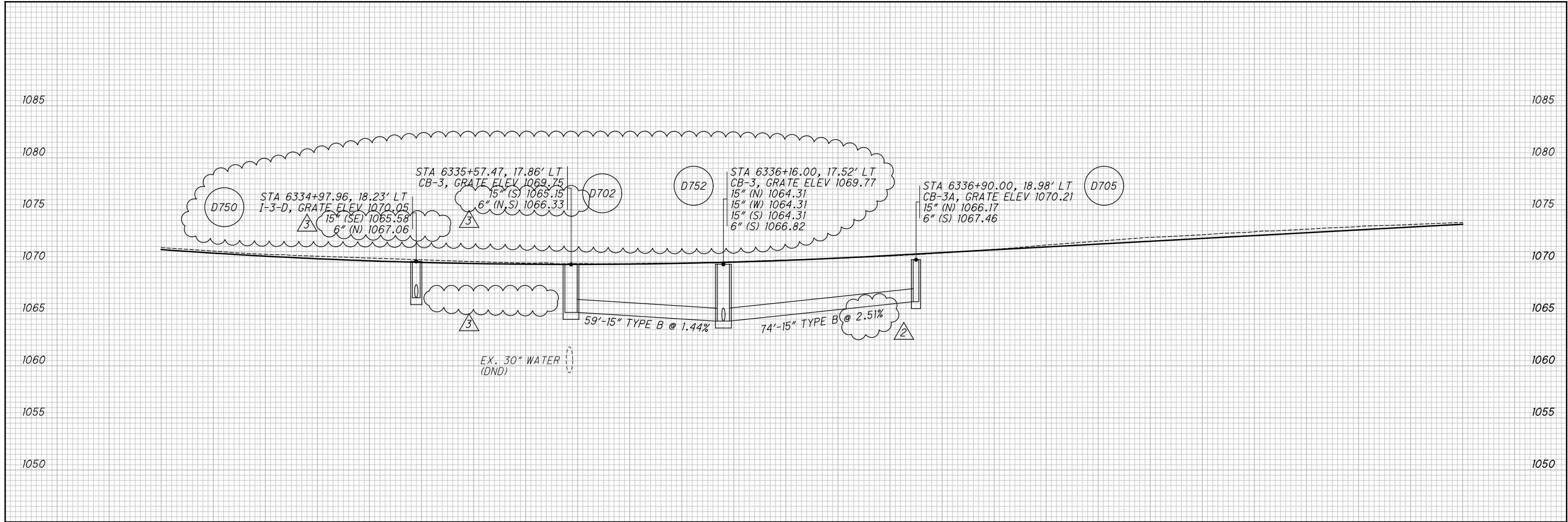
SUPERELEVATION TABLE

P.I. Station 6339+75.39, 6347+87.47	Dc = 8° 45' 00", 9° 06' 00"
-------------------------------------	-----------------------------

REMARKS	INSIDE EDGE OF TRAVEL WAY					BASELINE CONTROL		OUTSIDE EDGE OF TRAVEL WAY					REMARKS
	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	ELEVATION	
FS	1070.28	185:1	+0.48	+0.0397	12.09	6335+29.45	1069.80	12.04	-0.0397	-0.48		1069.33	
	1070.17		+0.40	+0.0328	12.30	6335+50.00	1069.76	12.23	-0.0397	-0.49		1069.28	
PT	1070.09		+0.32	+0.0251	12.67	6335+72.81	1069.77	12.65	-0.0397	-0.50		1069.27	
	1070.09		+0.31	+0.0243	12.71	6335+75.00	1069.78	12.70	-0.0397	-0.50		1069.27	
	1070.07		+0.21	+0.0159	13.21	6336+00.00	1069.86	13.53	-0.0397	-0.54		1069.33	
GORE	1070.10		+0.12	+0.0091	13.60	6336+19.91	1069.98	14.51	-0.0397	-0.58		1069.40	
	1070.12		+0.10	+0.0074	13.70	6336+25.00	1070.02						
FLAT	1070.22		+0.00	+0.0000	14.13	6336+46.96	1070.22						
	1070.24		-0.01	-0.0010	14.19	6336+50.00	1070.25						
	1070.41		-0.14	-0.0095	14.68	6336+75.00	1070.55						
	1070.62		-0.27	-0.0179	15.17	6337+00.00	1070.89						
	1070.82		-0.41	-0.0264	15.67	6337+25.00	1071.23						
PC	1070.90		-0.48	-0.0300	15.88	6337+35.76	1071.38						
	1071.02		-0.56	-0.0348	16.00	6337+50.00	1071.57						
	1071.22		-0.69	-0.0433	16.00	6337+75.00	1071.91						
	1071.43		-0.83	-0.0517	16.00	6338+00.00	1072.25						
FS	1071.63		-0.96	-0.0600	16.00	6338+24.56	1072.59						
FS	1075.22	185:1	-0.96	-0.0600	16.00	6340+86.68	1076.18						
	1075.35		-1.03	-0.0645	16.00	6341+00.00	1076.38						
	1075.61		-1.17	-0.0729	16.00	6341+25.00	1076.78						
FS	1075.75		-1.28	-0.0800	16.00	6341+45.88	1077.03						
FS	1077.75	185:1	-1.28	-0.0800	16.00	6344+04.43	1079.03						
	1078.10		-1.17	-0.0731	16.00	6344+25.00	1079.26						
	1078.61		-1.03	-0.0646	16.00	6344+50.00	1079.64						
FS	1078.94		-0.96	-0.0600	16.00	6344+63.63	1079.90						
FS	1097.94	185:1	-0.96	-0.0600	16.00	6349+74.96	1098.90						
	1099.08		-0.82	-0.0515	16.00	6350+00.00	1099.90						
	1100.22		-0.69	-0.0431	16.00	6350+25.00	1100.91						
	1101.36		-0.55	-0.0346	16.00	6350+50.00	1101.91						
	1102.50		-0.42	-0.0262	16.00	6350+75.00	1102.92						
GORE	1103.10		-0.35	-0.0220	16.00	6350+87.44	1103.45						

NOTE: SEE TERMINAL DETAILS FOR GORE SLOPES

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ISSUE RECORD: BU-29 ROADWAY		
NO.	DATE	DESCRIPTION
2	5/6/22	DRAINAGE REVISION
3	8/22/22	DRAINAGE REVISION

2026-03-24 - BU-29 - RECORD DRAWING PLANS

STORM SEWER PROFILE - LANE S
STA. 6334+00 TO STA. 6339+00

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

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REF. NO.	SHEET NO.	STATION TO STATION		OUTLET TYPE	SIDE	UNDERDRAIN TYPE	OUTLET BOTTOM ELEVATION	UNDERDRAIN INVERT	BENDS & BRANCHES (for information only)						REMARKS
									CAP	TEE	45° WYE	45° BEND	90° BEND	CROSS	
		FROM	TO						EA	EA	EA	EA	EA	EA	
UD-1	8	6329+50.00	6331+60.98		RT	BASE									TIE TO UD-1A, TYPE F REQUIRED TO CROSS LANE S LANE
UD-1A	8	6329+50.00	6331+72.31	I-3D	RT	BASE	1070.97	1073.68		1		1			OUTLET TO D-700, TYPE F REQUIRED TO CROSS LANE S SHOULDER TO D-700
UD-2	8	6329+50.00	6331+72.65	CB-2-2B	RT	BASE	1070.97	1071.75							OUTLET TO D-700, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-700
UD-2A	8-9	6331+82.66	6335+05.00	I-3D	RT	UNCLAS.	1065.37	1065.87				1			OUTLET TO D-751, TYPE F REQUIRED TO CROSS LANE S SHOULDER TO D-751
UD-2B	8	6331+79.10	6333+37.65		RT	BASE			1	1			1		TIE TO UD-2A, TYPE F REQUIRED TO CROSS LANE S LANE
UD-3	8-9	6331+82.66	6335+05.00	I-3D	RT	UNCLAS.	1065.37	1065.87							OUTLET TO D-751, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-751
UD-4	8-9	6333+37.65	6334+12.04		LT	BASE			1						TIE TO UD-7
UD-5	9	6335+08.06	6335+48.03	I-3D	RT	BASE	1064.87	1065.29							OUTLET TO D-701, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-701
UD-6	9	6335+08.06	6335+48.03	I-3D	RT	BASE	1064.87	1065.29				1			OUTLET TO D-701, TYPE F REQUIRED TO CROSS LANE S SHOULDER TO D-701
UD-7	9	6334+12.04	6334+97.96	I-3D	LT	UNCLAS.	1066.56	1067.06							OUTLET TO D-750, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-750
UD-8	9	6335+16.26	6335+57.47	CB-3	LT	BASE	1065.15	1066.33							OUTLET TO D-702, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-702
UD-9	9	6336+13.62	6335+57.47	CB-3	LT	BASE	1065.15	1066.33							OUTLET TO D-702, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-702
UD-10	9	6338+17.00	6336+90.00	CB-3	LT	BASE	1066.17	1067.46							OUTLET TO D-705, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-705
UD-11	9	6336+06.22	6335+48.03	I-3D	RT	BASE	1064.87	1065.29				1			OUTLET TO D-701, TYPE F REQUIRED TO CROSS LANE S SHOULDER TO D-701
UD-12	9	6336+06.22	6335+48.03	I-3D	RT	BASE	1064.87	1065.29							OUTLET TO D-701, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-701
UD-13	10	6336+87.56	6336+16.00	CB-3	LT	BASE	1064.31	1066.82	1						OUTLET TO D-752, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-752
UD-14	9-10	6340+70.44	6338+22.10	CB-3	LT	BASE	1067.78	1068.60							OUTLET TO D-707, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-707
UD-15	9	6338+19.78	6337+66.35		RT	BASE				1			1		TIE TO UD-10, TYPE F REQUIRED TO CROSS LANE S LANE AND SHOULDERS
UD-16	9-10	6341+99.24	6338+23.88	EX CB	RT	BASE	1062.82	1068.63				1			OUTLET TO D-708, TYPE F REQUIRED TO OUTLET TO D-708
UD-17	9, 13-14	5342+04.85 (RAMP P)	6336+16.07 (LANE S)	I-3D	RT	BASE	1064.11	1065.92							OUTLET TO D-754, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-754
UD-18	9	6336+49.16	6336+16.07 (LANE S)	I-3D	RT	BASE	1064.11	1065.92				1			OUTLET TO D-754, TYPE F REQUIRED TO CROSS RAMP P SHOULDER TO D-754
UD-19	9, 13-14	5342+04.75	5377+90.17		LT	BASE				1			1		(RAMP P) TIE TO UD-17, TYPE F REQUIRED TO CROSS RAMP P LANE AND SHOULDERS
UD-20	11	6348+31.39	6334+06.08	CB-3	LT	BASE	1073.82	1074.50							OUTLET TO D-711, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-711
UD-21	11	6346+28.90	6334+06.08	CB-3	RT	BASE	1073.82	1074.50					1		OUTLET TO D-711, TYPE F REQUIRED TO CROSS LANE S LANE AND SHOULDERS TO D-711
UD-22	11-12	6350+87.44	6346+33.77	MH	RT	BASE		1081.50							OUTLET TO EX. SAN. MH, TYPE F REQUIRED FOR THE LAST 10 FT INTO EX. SAN. MH.
UD-23	11-12	6350+87.44	6348+35.25	CB-3A	LT	BASE	1084.90	1089.20							OUTLET TO D-714, TYPE F REQUIRED FOR THE LAST 10 FT INTO D-714

ISSUE RECORD: BU-29 ROADWAY		
NO.	DATE	DESCRIPTION
1	4/7/22	UPDATED WALL AND DRAINAGE FOR LANE S
2	5/6/22	DRAINAGE REVISION

2026-03-24 - BU-29 - RECORD DRAWING PLANS

CALCULATED
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UNDERDRAIN OUTLET DETAILS

SUM - 76 / 77 / 8 -
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LEGEND

- SS, TYPE B1 END ANCHOR (15'), SCD RM-4.3
- △ SS, TYPE C1 END ANCHOR (15'), SCD RM-4.3
- ▽ SS, TYPE D END ANCHOR (15'), SCD RM-4.5
- ◇ TYPE B END SECTION (30'), SCD RM-4.6
- TYPE D END SECTION (14'), SCD RM-4.6
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- △△ SIGN FOUNDATION (10'), SCD TC-21.50,
SINGLE POLE OR TRUSS
- (XX') DEDUCTED FROM BARRIER LENGTH

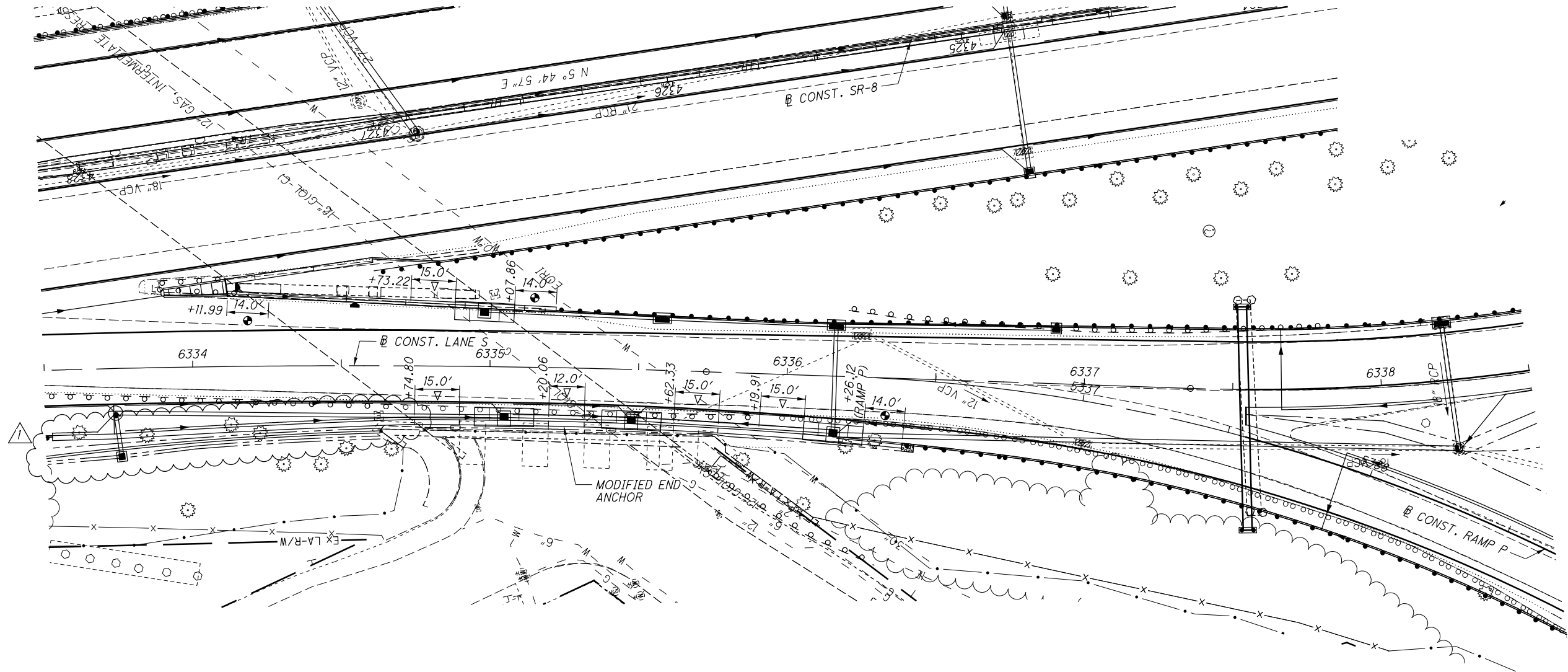
ISSUE RECORD - BU-29 ROADWAY		
NO.	DATE	DESCRIPTION
1	4/7/22	UPDATED WALL AND DRAINAGE FOR LANE S

02040

HORIZONTAL
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2026-03-24 - BU-29 - RECORD DRAWING PLANS

BARRIER DETAILS

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