

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

STATE OF OHIO
 DEPARTMENT OF TRANSPORTATION

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

CITY OF AKRON
 SUMMIT COUNTY

PROJECT DESCRIPTION

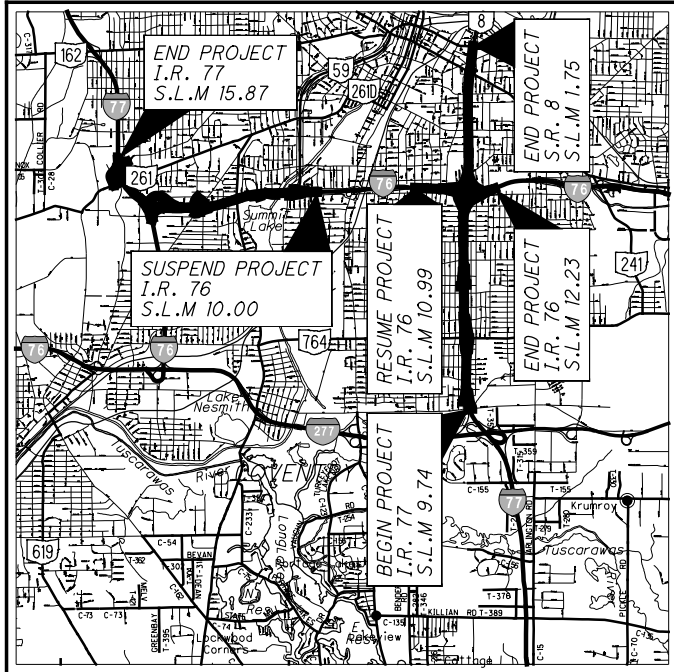
PAVEMENT REPLACEMENT OVER SUM - I.R. 76 FROM S.L.M. 8.24 TO 10.00, SUM - 77 FROM S.L.M. 9.74 TO 11.54, AND SUM - 8 FROM S.L.M. 0.00 TO 1.75. COVERS THE "SOUTH LEG" AND "WEST LEG", INCLUDES REHABILITATION OF SEVERAL STRUCTURES IN THE CITY OF AKRON, SUMMIT COUNTY, OHIO.

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.



LOCATION MAP

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



PORTION TO BE IMPROVED	_____
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	=====

DESIGN DESIGNATION

SEE BU-19	_____
NHS PROJECT	_____ YES

DESIGN EXCEPTIONS

DESIGN FEATURE	APPROVAL DATE	SHEET NUMBER
INSIDE SHOULDER WIDTH	5-12-20	15-55 (PLAN SHEETS ONLY)
OUTSIDE SHOULDER WIDTH	5-12-20	15-55 (PLAN SHEETS ONLY)

- FOR MOT, SEE BU-01, 06, & 07
- FOR STRUCTURES WORK, SEE BU-15
- FOR SCHEMATIC PLAN & SURVEY CONTROL, SEE BU-19
- FOR REMOVALS, SEE BU-27
- FOR LIGHTING & ITS PLANS, SEE BU-37
- FOR TRAFFIC CONTROL, SEE BU-41
- FOR FENCING PLANS, SEE BU-42

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:

STATE OF OHIO
 REGISTERED PROFESSIONAL ENGINEER
 JAMES F. MITCHELL
 PE.73626
 SIGNED: [Signature]
 DATE: 3/14/2022

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STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-1.1	7/28/00	DM-1.1	7/17/20	MGS-1.1	1/19/18	TC-21.50	4/17/20	800-2019 10/16/20	
BP-2.1	7/17/15	DM-1.2	1/18/13	MGS-2.1	1/19/18			832 10/19/18	
BP-2.2	7/18/08	DM-4.2	7/20/12	MGS-3.1	1/19/18				
BP-3.1	1/17/20			MGS-3.2	1/18/13				
BP-5.1	1/18/19	HL-20.13	4/17/20	MGS-4.2	7/19/13				
BP-7.1	7/17/20			MGS-5.2	7/15/16				
BP-9.1	1/18/19	HW-2.2	7/20/18	MGS-5.3	7/15/16				
				MGS-6.1	1/19/18				
CB-1.1	7/19/19	I-2.1	1/15/16						
CB-2.1	7/20/18	I-2.2	7/19/19	RM-1.1	1/15/21				
CB-2.2	7/20/18	I-2.3	1/15/16	RM-3.1	7/20/18				
CB-2.3	1/15/16			RM-4.1	7/19/13				
CB-3.1	1/15/16	MH-1.2	1/15/16	RM-4.3	7/18/14				
CB-3.2	1/15/16			RM-4.4	7/19/19				
				RM-4.5	7/21/17				
				RM-4.6	7/19/13				

BU-34
 ROADWAY
 I-77 (Waterloo Rd. to Central Interchange)
RELEASED FOR CONSTRUCTION
 March 2, 2022

2022-03-02-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

FEDERAL PROJECT NO. E180(428)
 PID NO. 102329
 CONSTRUCTION PROJECT NO. 21-3000
 RAILROAD INVOLVEMENT NONE

Released for Construction
Thomas J Powell, PE
03/17/2022

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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 452 - 13" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/OA
- 3 ITEM 407 - NON-TRACKING TACK COAT
- 4 ITEM 442 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN
- 5 ITEM 302 - 8" ASPHALT CONCRETE BASE, PG64-22 (2-4" LIFTS)
- 6 ITEM 304 - 6" AGGREGATE BASE, AS PER PLAN
- 7 ITEM 204 - PROOF ROLLING
- 8 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP (MINIMUM)
-OR-
ITEM 204 - EXCAVATION OF SUBGRADE, 12 INCHES DEEP & ITEM 204 - EMBANKMENT
- 9 NOT USED
- 10 ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL) (T=3", W=4')
- 11 ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- 12 ITEM 606 - GUARDRAIL, TYPE MGS
- 13 ITEM 618 - RUMBLE STRIPS, SHOULDER, (ASPHALT CONCRETE)
- 14 ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1
- 15 ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C1
- 16 ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
- 17 ITEM 659 - SEEDING AND MULCHING
- 18 ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
- 19 ITEM 670 - SLOPE EROSION PROTECTION MAT, TYPE E (REQUIRED ON 2:1 SLOPES ONLY)
- 20 ITEM 609 - CURB, TYPE 4-C
- 21 ITEM 609 - CURB, TYPE 4-A

LIMITS OF UNDERCUT	
FROM	TO
345+00.00	354+00.00
393+00.00	407+00.00
4297+80.00	4298+00.00

STATION	*Y* Dimension per SCD 1-2.2 (in feet)
527+03.65 *	0.12
527+44.42 *	0.10
325+00.00	0.10
325+50.00	0.18
326+00.00	0.26
326+50.00	0.23
327+00.00	0.21
327+50.00	0.18
328+00.00	0.16
328+50.00	0.14
329+00.00	0.12
329+50.00	0.12
330+00.00	0.12
330+50.00	0.11
331+00.00	0.11
331+50.00	0.11
332+00.00	0.10
332+50.00	0.10
333+00.00	0.10
333+50.00	0.10
334+00.00	0.18
334+50.00	0.32
335+00.00	0.47
335+50.00	0.61
336+00.00	0.75
336+50.00	0.89
337+00.00	0.99
337+50.00	1.00
338+00.00	0.93
338+50.00	0.78
339+00.00	0.60
339+50.00	0.45
340+00.00	0.31
340+50.00	0.20
341+00.00	0.10
345+60.00	0.10
346+00.00	0.17
346+50.00	0.29
347+00.00	0.42
347+50.00	0.57
348+00.00	0.74
348+50.00	0.86

BEGIN TYPE C1 MEDIAN BARRIER
* STATIONING FROM NB ALIGNMENT

End Type C1 Median Barrier, Begin Type B1
End Type B1 Median Barrier, Begin Type C1

STATION	*Y* Dimension per SCD 1-2.2 (in feet)
349+00.00	0.91
349+50.00	0.91
350+00.00	0.90
350+50.00	1.03
351+00.00	1.14
351+50.00	1.13
352+00.00	1.12
352+50.00	1.10
353+00.00	1.08
353+50.00	1.16
354+00.00	1.17
354+50.00	1.13
355+00.00	1.09
355+50.00	1.05
356+00.00	1.01
356+50.00	0.99
357+00.00	0.91
357+50.00	0.61
358+00.00	0.59
358+50.00	0.59
359+00.00	0.52
359+50.00	0.34
360+00.00	0.16
360+17.00	0.10
361+78.00	0.10
362+00.00	0.13
362+50.00	0.13
363+00.00	0.13
363+50.00	0.13
363+88.00	0.10
4292+50.00	0.10
4293+00.00	0.12
4293+50.00	0.12
4294+00.00	0.12
4294+50.00	0.12
4295+00.00	0.12
4295+50.00	0.12
4296+00.00	0.12
4296+50.00	0.12
4297+00.00	0.12
4297+50.00	0.12
4298+00.00	0.12

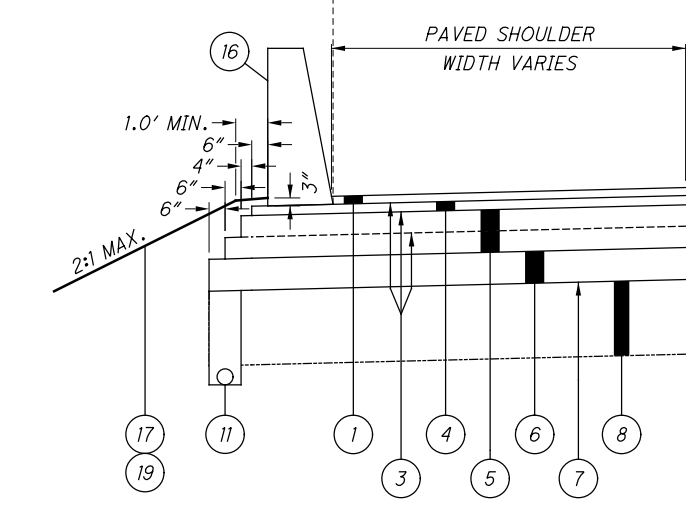
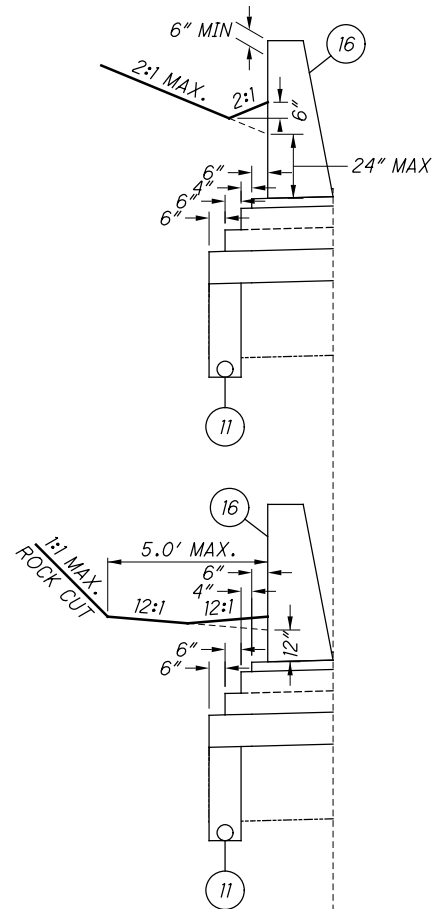
End Type C1 Median Barrier, Begin Type B1
End Type B1 Median Barrier, Begin Type C1

End Type C1 Median Barrier, Begin Type B1
End Type B1 Median Barrier, Begin Type C1

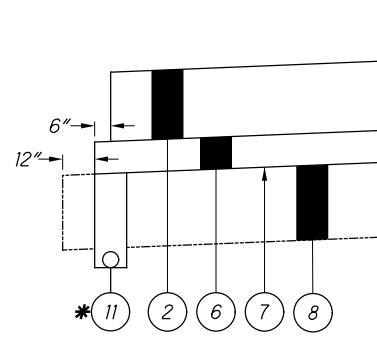
End BU-34, Begin BU-28B

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 Thomas J Powell, PE
 03/17/2022

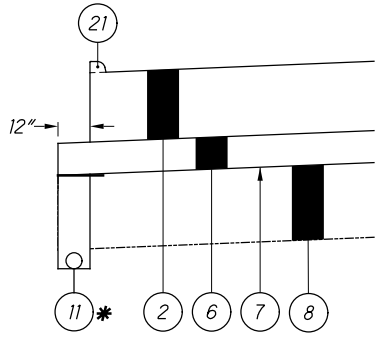
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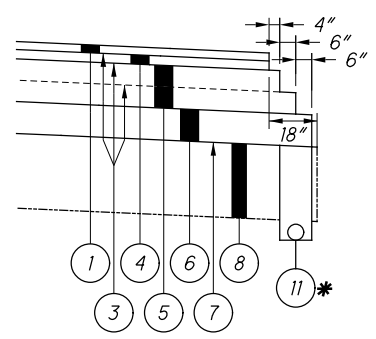
ITEM 622 - CONCRETE BARRIER, TYPE D



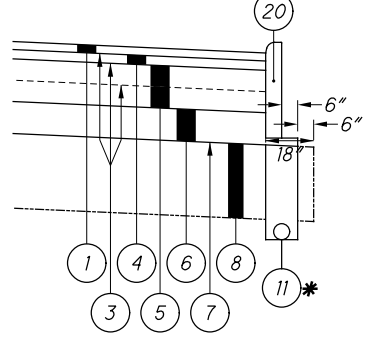
CONCRETE PAVEMENT WITHOUT CURB STEP DETAIL



CONCRETE PAVEMENT WITH CURB STEP DETAIL

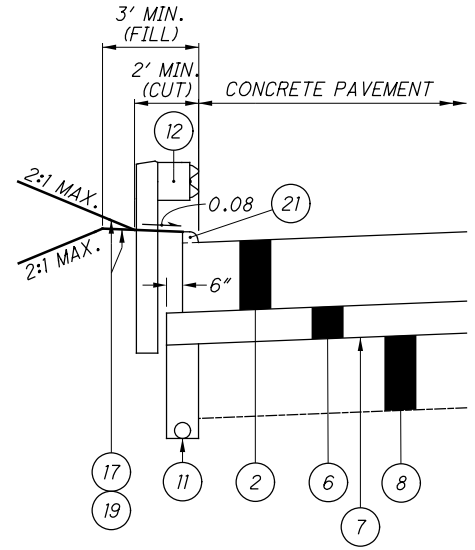


ASPHALT PAVEMENT WITHOUT CURB STEP DETAIL

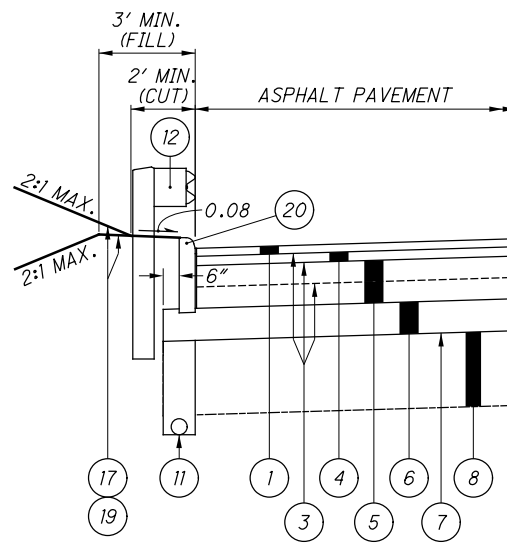


ASPHALT PAVEMENT WITH CURB STEP DETAIL

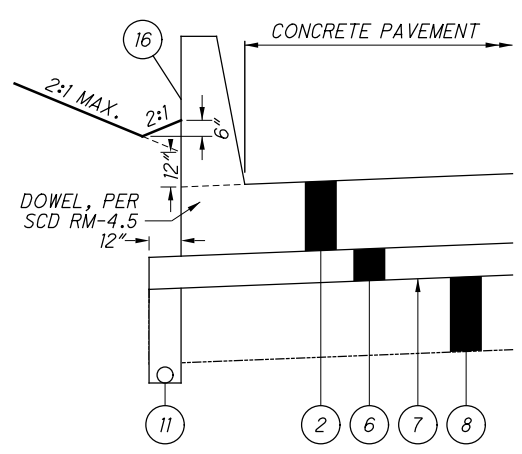
*WHEN UNDERDRAIN IS PRESENT, CEMENT STABILIZATIONS ENDS AT THE UNDERDRAIN



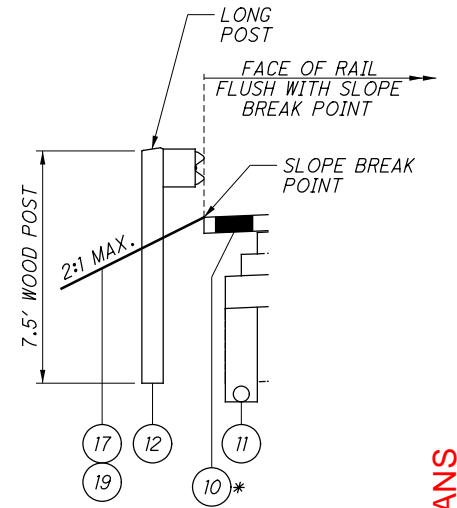
CURB AND GUARDRAIL ON CONCRETE PAVEMENT DETAIL



CURB AND GUARDRAIL WITH ASPHALT PAVEMENT DETAIL



ITEM 622 - CONCRETE BARRIER, TYPE D ON CONCRETE PAVEMENT

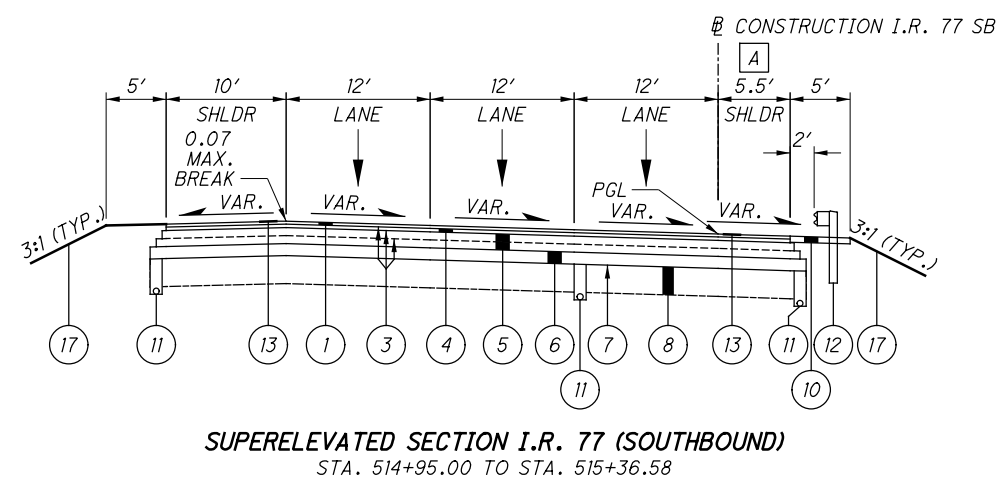


ITEM 606 - GUARDRAIL, TYPE MGS WITH LONG POSTS

* WIDTH VARIES TO FACE OF GUARDRAIL

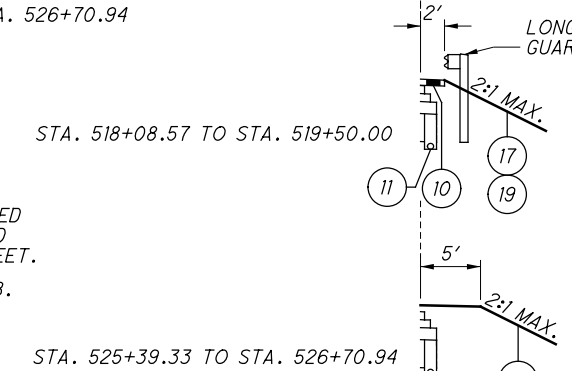
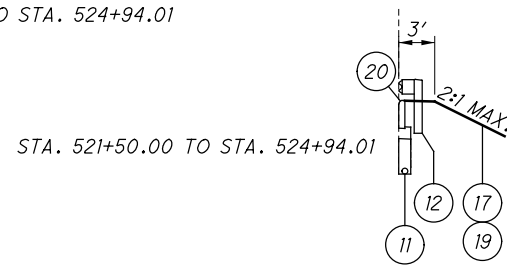
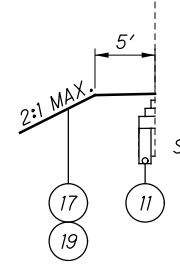
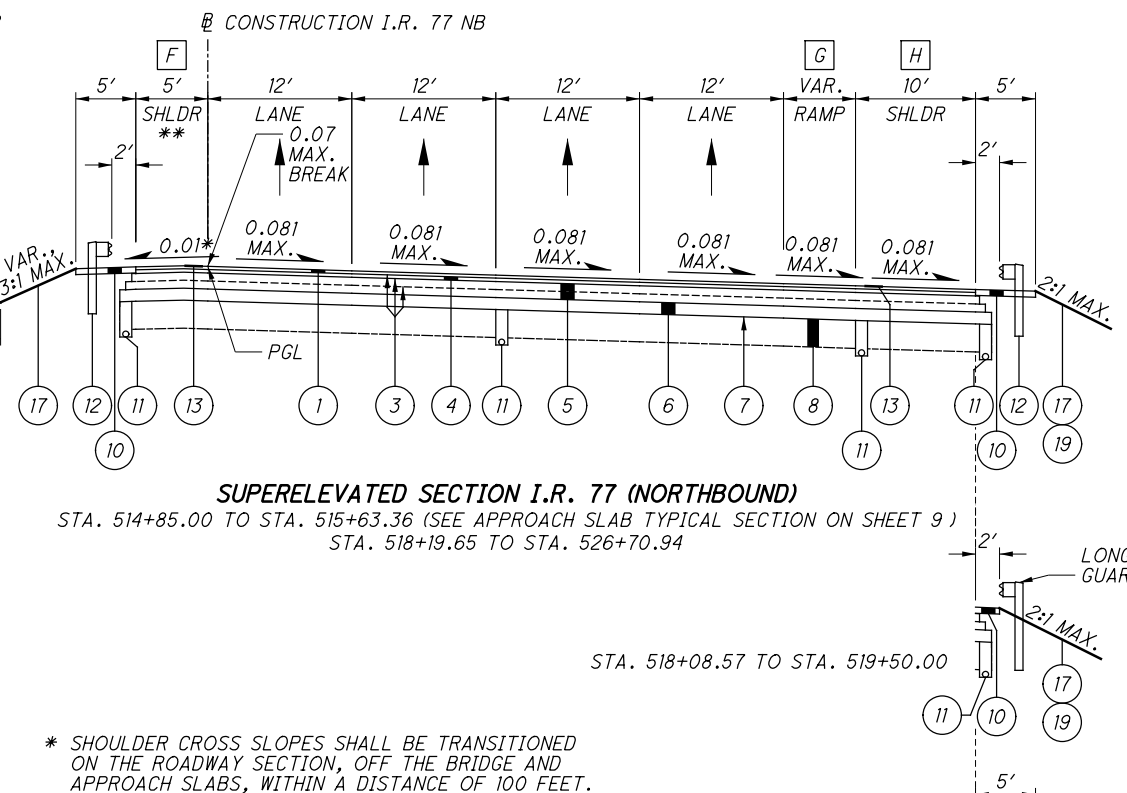
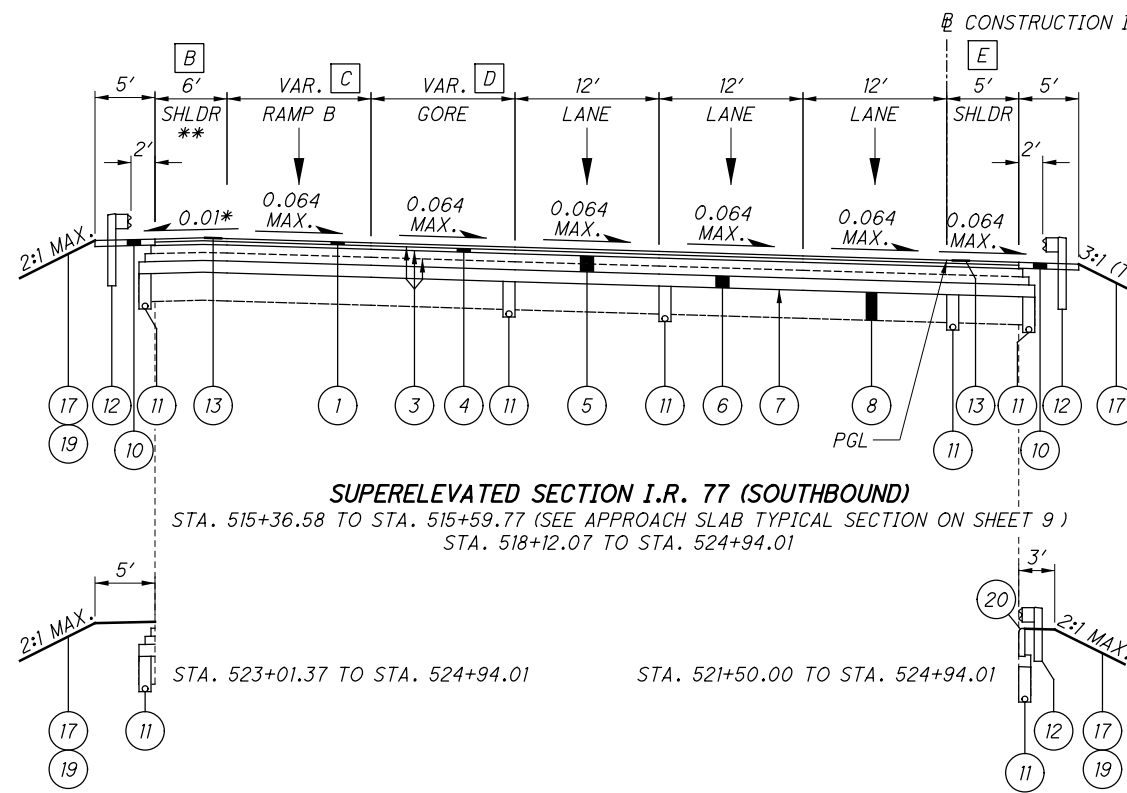
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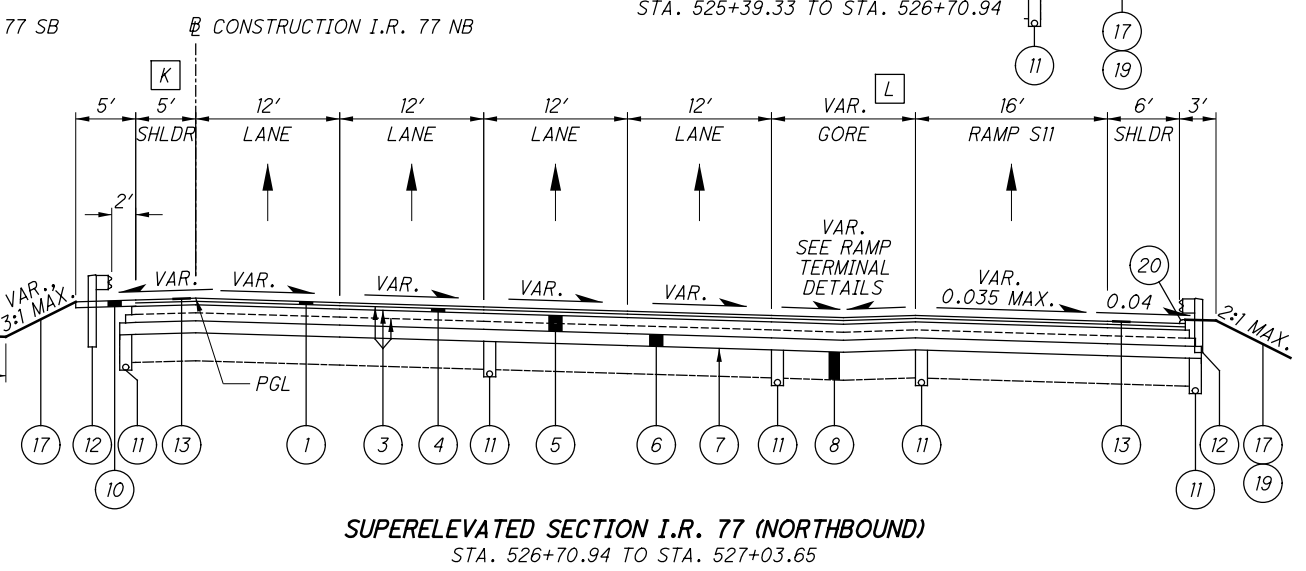
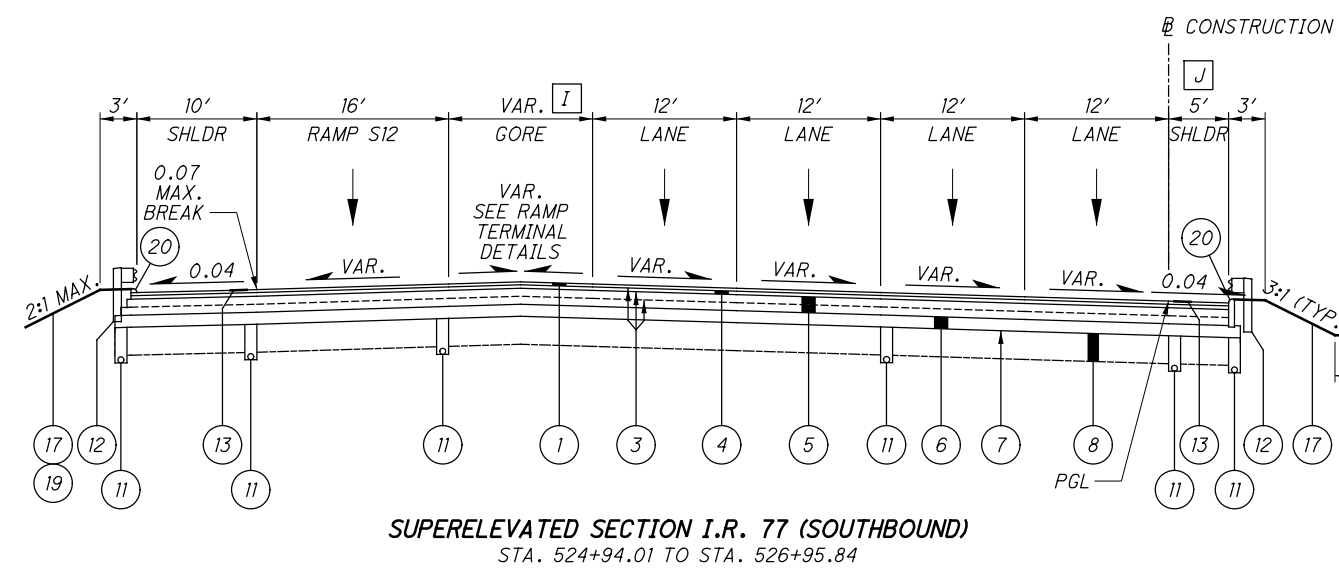


- A** VARIES FROM 10.0' AT STA. 514+95.00 TO 5.5' AT STA. 515+26.50
- B** 7.5' FROM STA. MEET APPROACH SLAB TO STA. 518+68.11
VARIES FROM 7.5' AT STA. 518+68.11 TO 6.0' AT STA. 519+04.88
- C** 16.0' FROM STA. 515+36.58 TO STA. 517+75.55
VARIES FROM 16.0' AT STA. 517+75.55 TO 12.0' AT STA. 519+24.52
12.0' FROM STA. 519+24.52 TO STA. 524+94.01
- D** VARIES FROM 23.0' AT STA. 515+36.58 TO 0.0' AT STA. 517+75.55
0.0' FROM STA. 517+75.55 TO STA. 524+94.01
- E** 5.5' FROM STA. 515+36.58 TO STA. 518+60.82
VARIES FROM 5.5' AT STA. 518+60.82 TO 5.0' AT STA. 519+14.40
- F** VARIES FROM 7.1' AT STA. 514+85.00 TO 5.5' AT STA. 515+25.00
5.5' FROM STA. 515+25.00 TO STA. 518+30.79
VARIES FROM 5.5' AT STA. 518+30.79 TO 5.0' AT STA. 518+43.26
VARIES FROM 5.0' AT STA. 525+91.91 TO 8.3' AT STA. 526+70.94
- G** VARIES FROM 4.1' AT STA. 514+85.00 TO 0.0' AT STA. 516+89.75
0.0' FROM STA. 516+89.75 TO STA. 526+70.94

- H** VARIES FROM 7.8' AT STA. 514+85.00 TO 7.7' AT STA. 514+92.66
7.7' FROM STA. 514+92.66 TO STA. 515+43.35 (MEETING SLAB ON SKEW)
5.0' FROM STA. 518+08.07 TO STA. 518+20.87 (COMING OFF SLAB ON SKEW)
VARIES FROM 5.0' AT STA. 518+20.87 TO 10.0' AT STA. 518+57.10
- I** VARIES FROM 23.0' AT STA. 524+94.01 TO 5.7' AT STA. 526+95.84
- J** VARIES FROM 5.0' AT STA. 525+83.95 TO 8.4' AT STA. 526+71.44
- K** VARIES FROM 8.3' AT STA. 526+70.94 TO 8.6' AT STA. 526+79.27
- L** VARIES FROM 23.0' AT STA. 526+70.94 TO 19.5' AT STA. 527+03.65



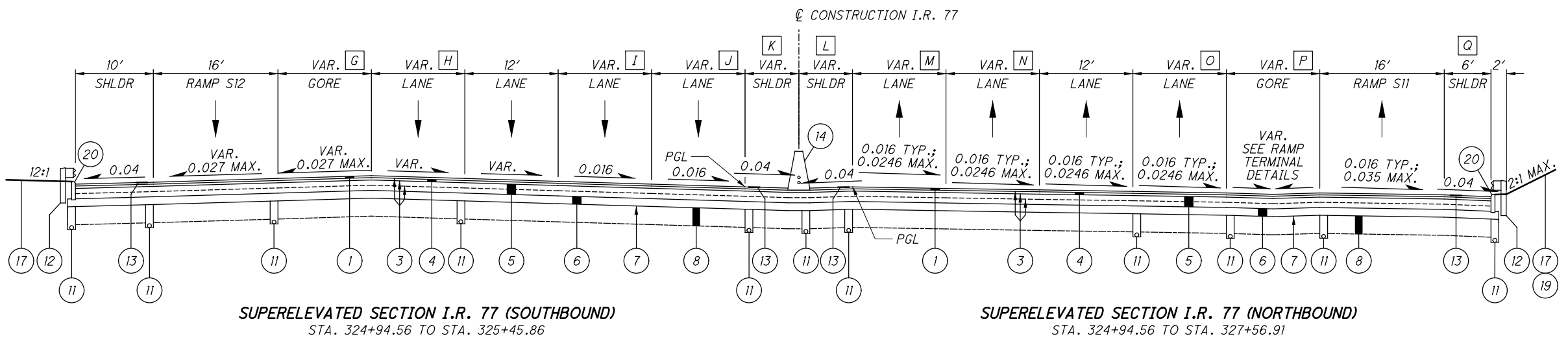
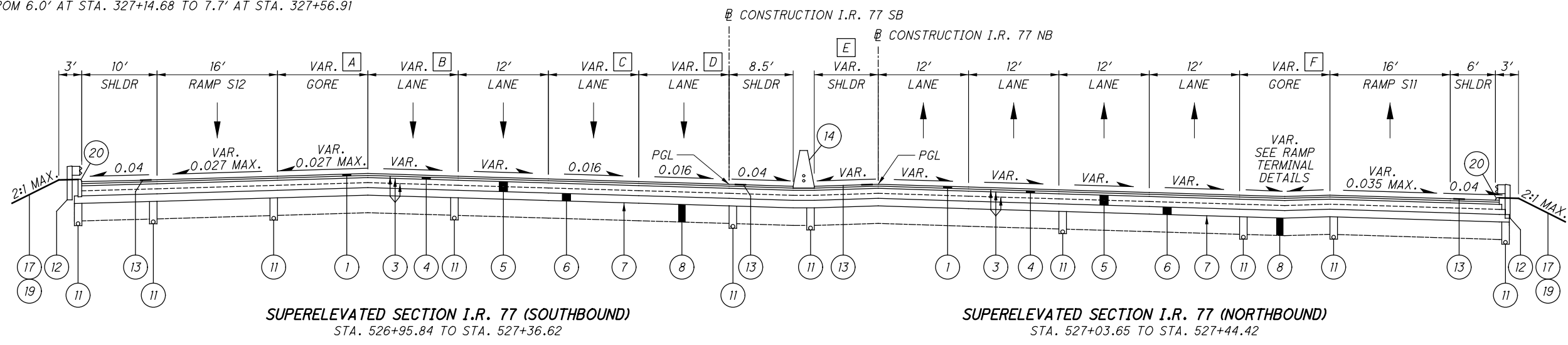
* SHOULDER CROSS SLOPES SHALL BE TRANSITIONED ON THE ROADWAY SECTION, OFF THE BRIDGE AND APPROACH SLABS, WITHIN A DISTANCE OF 100 FEET.
** 4-FOOT ROUNDING PER L&D VOL. I FIGURE 301-8.



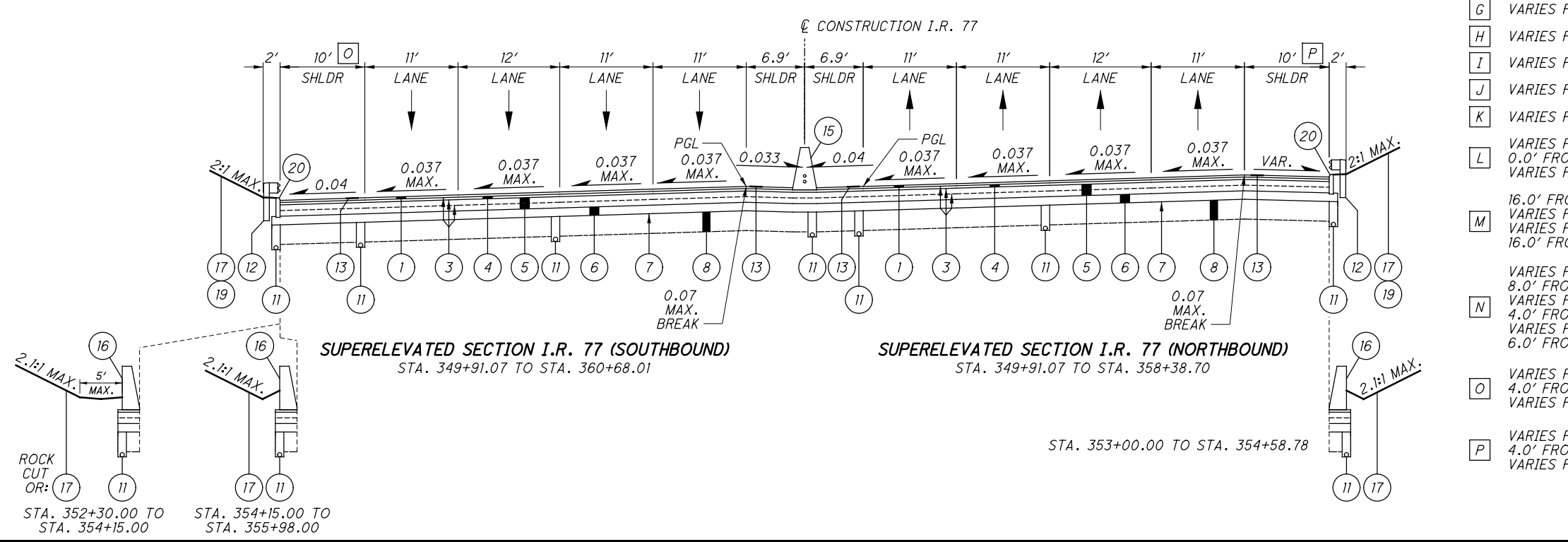
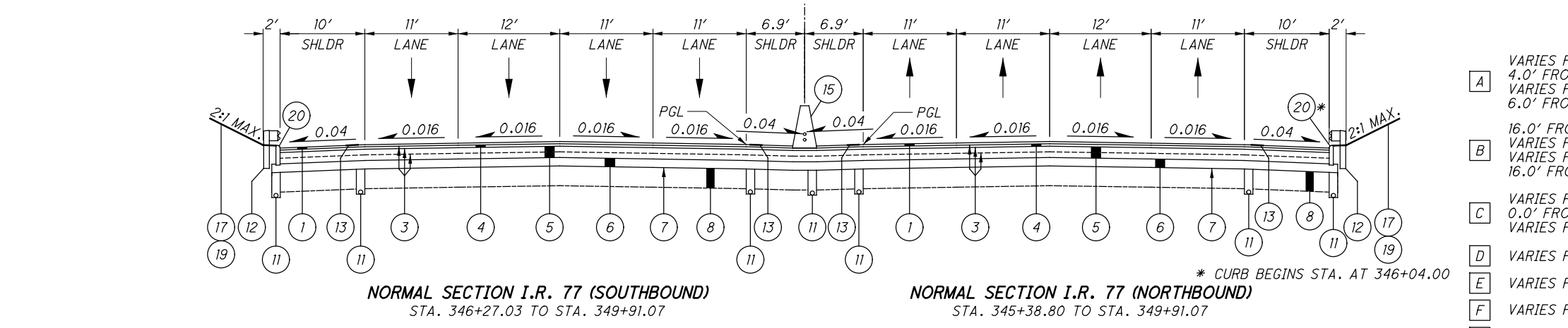
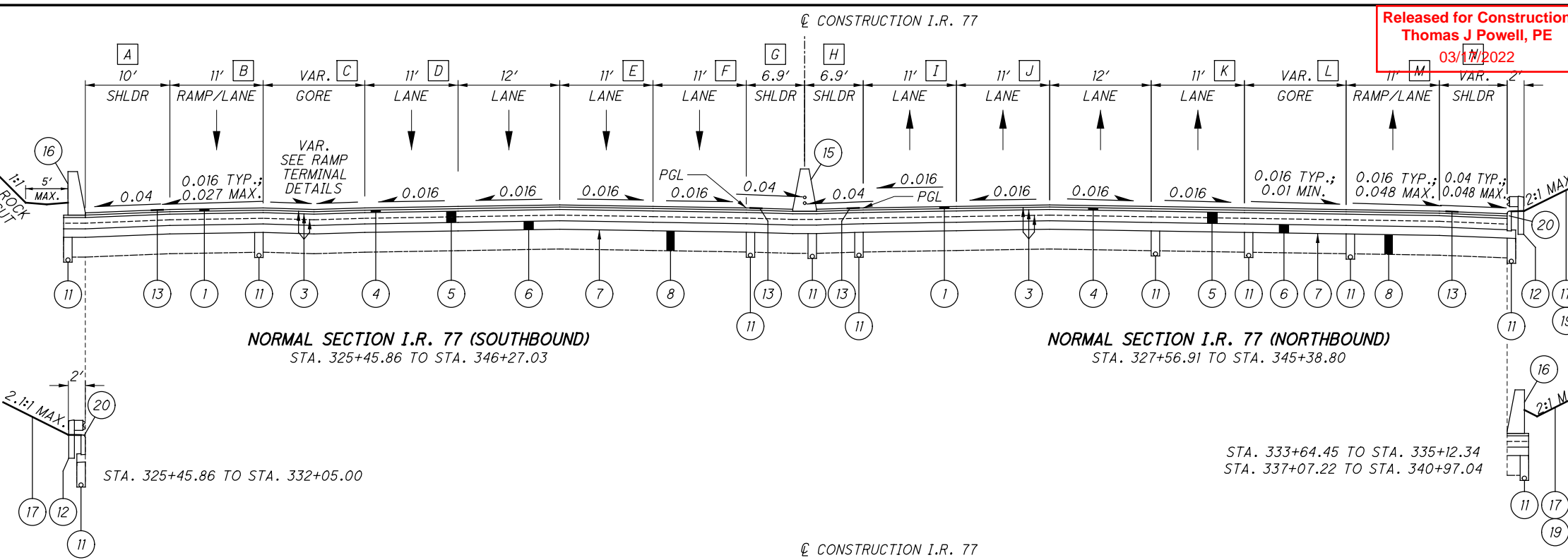
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- A VARIES FROM 5.7' AT STA. 526+95.84 TO 3.3' AT STA. 527+36.62
- B VARIES FROM 12.0' AT STA. 527+01.37 TO 11.9' AT STA. 527+36.62
- C VARIES FROM 12.0' AT STA. 527+01.37 TO 11.9' AT STA. 527+36.62
- D VARIES FROM 12.0' AT STA. 527+01.37 TO 11.6' AT STA. 527+36.62
- E VARIES FROM 8.8' AT STA. 527+03.65 TO 8.7' AT STA. 527+44.42
- F VARIES FROM 19.5' AT STA. 527+03.65 TO 15.4' AT STA. 527+44.42
- G VARIES FROM 3.3' AT STA. 324+94.56 TO 0.8' AT STA. 325+45.86
- H VARIES FROM 11.9' AT STA. 324+94.56 TO 11.8' AT STA. 325+45.86
- I VARIES FROM 11.9' AT STA. 324+94.56 TO 11.8' AT STA. 325+45.86
- J VARIES FROM 11.6' AT STA. 324+94.56 TO 11.5' AT STA. 325+45.86
- K VARIES FROM 9.9' AT STA. 324+94.56 TO 9.4' AT STA. 325+45.86
- L VARIES FROM 10.1' AT STA. 324+94.56 TO 7.9' AT STA. 327+56.91
- M VARIES FROM 12.0' AT STA. 324+94.56 TO 11.3' AT STA. 327+56.91
- N VARIES FROM 12.0' AT STA. 324+94.56 TO 11.3' AT STA. 327+56.91
- O VARIES FROM 12.0' AT STA. 324+94.56 TO 11.3' AT STA. 327+56.91
- P VARIES FROM 15.4' AT STA. 324+94.56 TO 7.1' AT STA. 327+56.91
- Q VARIES FROM 6.0' AT STA. 327+14.68 TO 7.7' AT STA. 327+56.91



SEE SHEETS 233 & 234 FOR LIMITS OF SUPERELEVATION TRANSITIONS.



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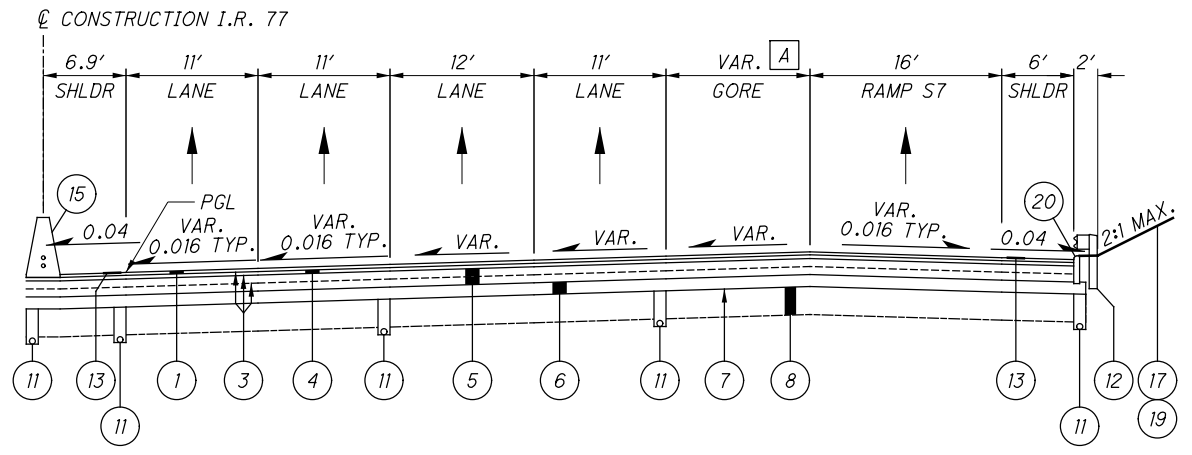
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- A** VARIES FROM 10.0' AT STA. 336+45.00 TO 4.0' AT STA. 337+95.00
4.0' FROM STA. 337+95.00 TO STA. 338+65.00
VARIES FROM 4.0' AT STA. 338+65.00 TO 6.0' AT STA. 339+15.00
6.0' FROM STA. 339+15.00 TO STA. 346+27.03
- B** 16.0' FROM STA. 325+45.86 TO STA. 325+65.88
VARIES FROM 16.0' AT STA. 325+65.88 TO 11.0' AT STA. 328+91.21
VARIES FROM 11.0' AT STA. 341+33.92 TO 16.0' AT STA. 343+73.56
16.0' FROM STA. 343+73.56 TO STA. 346+27.03
- C** VARIES FROM 0.8' AT STA. 325+45.86 TO 0.0' AT STA. 325+65.88
0.0' FROM STA. 325+65.88 TO STA. 343+73.56
VARIES FROM 0.0' AT STA. 343+73.56 TO 16.2' AT STA. 346+27.03
- D** VARIES FROM 11.8' AT STA. 325+45.86 TO 11.0' AT STA. 328+19.29
- E** VARIES FROM 11.8' AT STA. 325+45.86 TO 11.0' AT STA. 328+19.29
- F** VARIES FROM 11.5' AT STA. 325+45.86 TO 11.0' AT STA. 328+19.29
- G** VARIES FROM 9.4' AT STA. 325+45.86 TO 6.9' AT STA. 328+19.29
- H** VARIES FROM 7.9' AT STA. 327+56.91 TO 6.9' AT STA. 328+69.56
- I** VARIES FROM 11.3' AT STA. 327+56.91 TO 11.0' AT STA. 328+69.56
- J** VARIES FROM 11.3' AT STA. 327+56.91 TO 11.0' AT STA. 328+69.56
- K** VARIES FROM 11.3' AT STA. 327+56.91 TO 11.0' AT STA. 328+69.56
- L** VARIES FROM 7.1' AT STA. 327+56.91 TO 0.0' AT STA. 332+14.24
0.0' FROM STA. 332+14.24 TO STA. 341+40.56
VARIES FROM 0.0' AT STA. 341+40.56 TO 17.0' AT STA. 345+38.80
- M** 16.0' FROM STA. 327+56.91 TO STA. 332+14.24
VARIES FROM 16.0' AT STA. 332+14.24 TO 11.0' AT STA. 334+64.35
VARIES FROM 11.0' AT STA. 339+79.28 TO 16.0' AT STA. 341+40.56
16.0' FROM STA. 341+40.56 TO STA. 345+38.80
- N** VARIES FROM 7.7' AT STA. 327+56.91 TO 8.0' AT STA. 327+64.65
8.0' FROM STA. 327+64.65 TO STA. 337+47.00
VARIES FROM 8.0' AT STA. 337+47.00 TO 4.0' AT STA. 338+47.00
4.0' FROM STA. 338+47.00 TO STA. 339+20.00
VARIES FROM 4.0' AT STA. 339+20.00 TO 6.0' AT STA. 339+70.00
6.0' FROM STA. 339+70.00 TO STA. 345+38.80
- O** VARIES FROM 10.0' AT STA. 352+40.00 TO 4.0' AT STA. 353+05.00
4.0' FROM STA. 353+05.00 TO STA. 353+85.00
VARIES FROM 4.0' AT STA. 353+85.00 TO 10.0' AT STA. 355+35.00
- P** VARIES FROM 10.0' AT STA. 351+00.00 TO 4.0' AT STA. 352+50.00
4.0' FROM STA. 352+50.00 TO STA. 353+85.00
VARIES FROM 4.0' AT STA. 353+85.00 TO 10.0' AT STA. 354+45.00

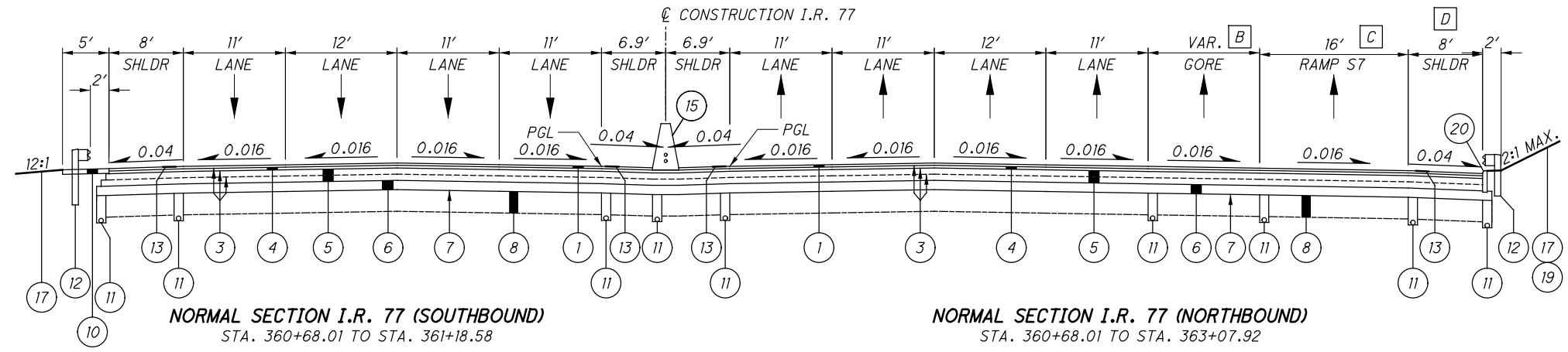
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Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

- A VARIES FROM 18.0' AT STA. 358+38.70 TO 6.3' AT STA. 360+68.01
- B VARIES FROM 6.3' AT STA. 360+68.01 TO 0.0' AT STA. 362+60.20
0.0' FROM STA. 362+60.20 TO STA. 363+07.92
- C VARIES FROM 16.0' AT STA. 362+60.20 TO 15.7' AT STA. 363+07.92
- D 6.0' FROM STA. 360+68.01 TO STA. 361+28.00
VARIES FROM 6.0' AT STA. 361+28.00 TO 8.0' AT STA. 361+78.00
- E VARIES FROM 23.0' AT STA. 361+18.58 TO 9.6' AT STA. 363+07.92

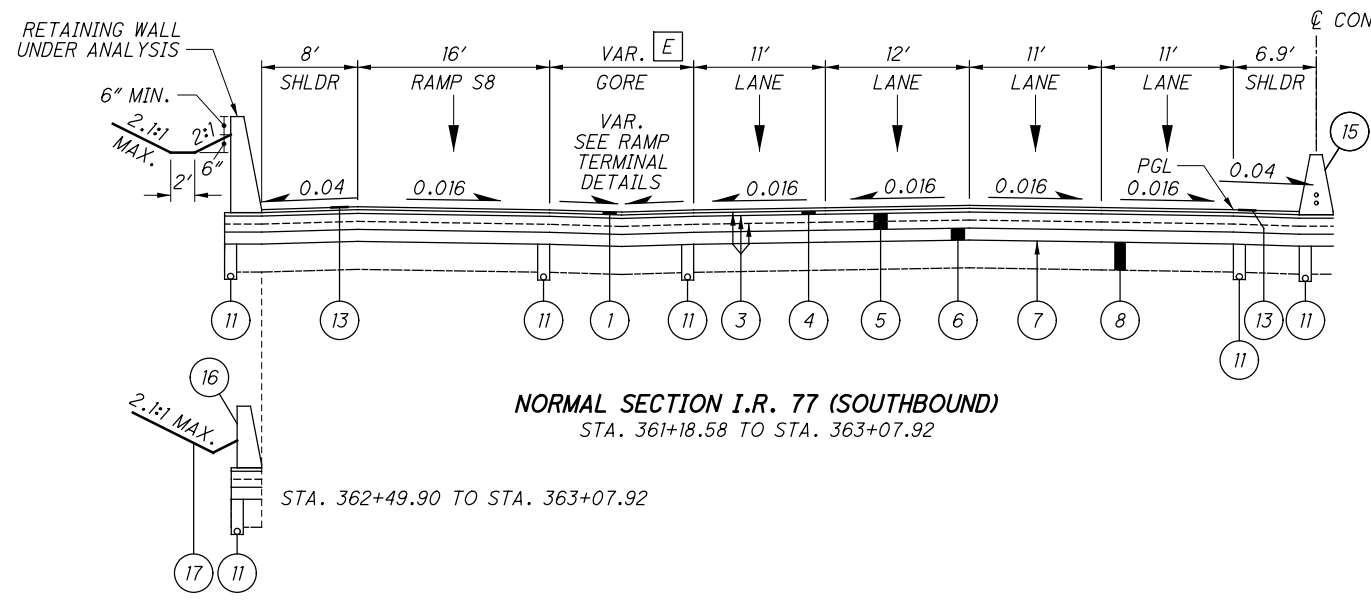


SUPERELEVATED SECTION I.R. 77 (NORTHBOUND)
STA. 358+38.70 TO STA. 360+68.01



NORMAL SECTION I.R. 77 (SOUTHBOUND)
STA. 360+68.01 TO STA. 361+18.58

NORMAL SECTION I.R. 77 (NORTHBOUND)
STA. 360+68.01 TO STA. 363+07.92



NORMAL SECTION I.R. 77 (SOUTHBOUND)
STA. 361+18.58 TO STA. 363+07.92

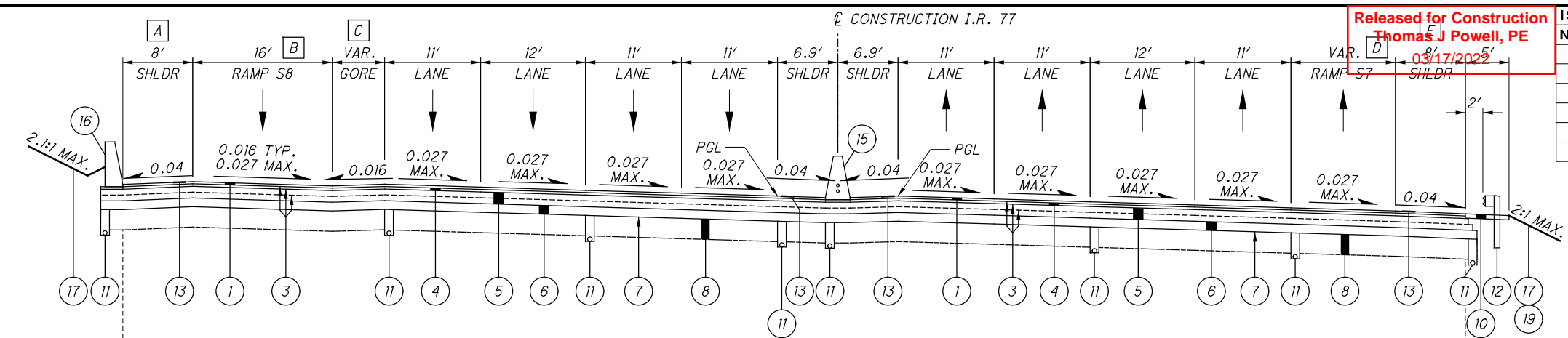
STA. 362+49.90 TO STA. 363+07.92

TYPICAL SECTIONS - I.R. 77

2022-03-02-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

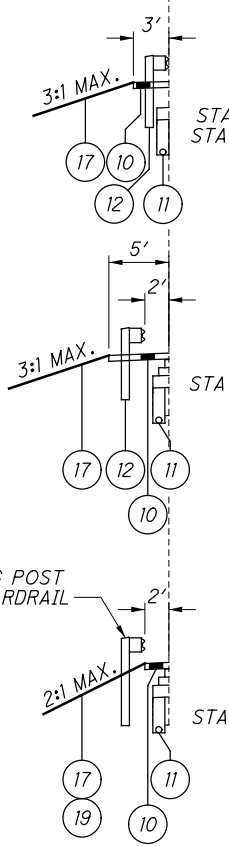
Released for Construction
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ISSUE RECORD:		
NO.	DATE	DESCRIPTION



SUPERELEVATED SECTION I.R. 77 (SOUTHBOUND)
 STA. 363+07.92 TO STA. 369+78.74
 STA. 371+82.77 TO STA. 375+01.24

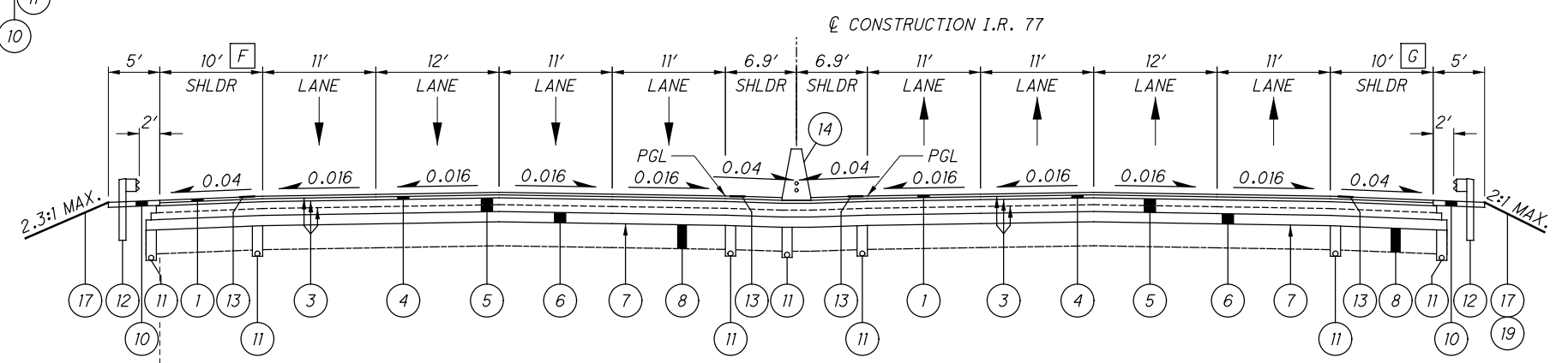
SUPERELEVATED SECTION I.R. 77 (NORTHBOUND)
 STA. 363+07.92 TO STA. 369+78.74
 STA. 371+82.77 TO STA. 375+01.24



STA. 368+82.88 TO STA. 369+81.15
 STA. 371+83.60 TO STA. 373+00.00

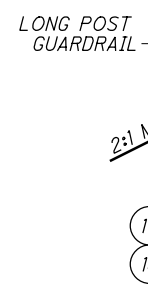
STA. 367+00.00 TO STA. 368+82.88

STA. 373+00.00 TO STA. 375+01.24



NORMAL SECTION I.R. 77 (SOUTHBOUND)
 STA. 375+01.24 TO STA. 377+31.62
 STA. 379+36.81 TO STA. 388+01.54

NORMAL SECTION I.R. 77 (NORTHBOUND)
 STA. 375+01.24 TO STA. 377+31.62
 STA. 379+36.81 TO STA. 387+23.38

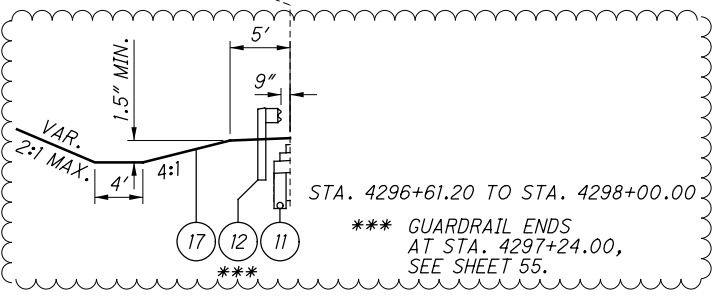
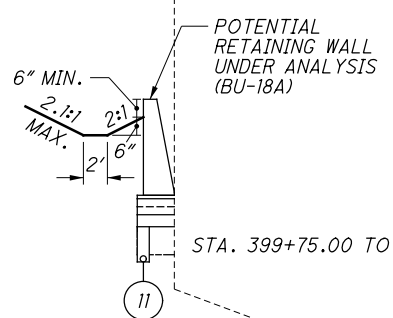
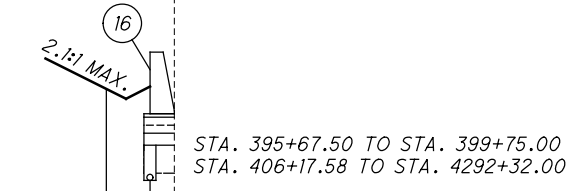
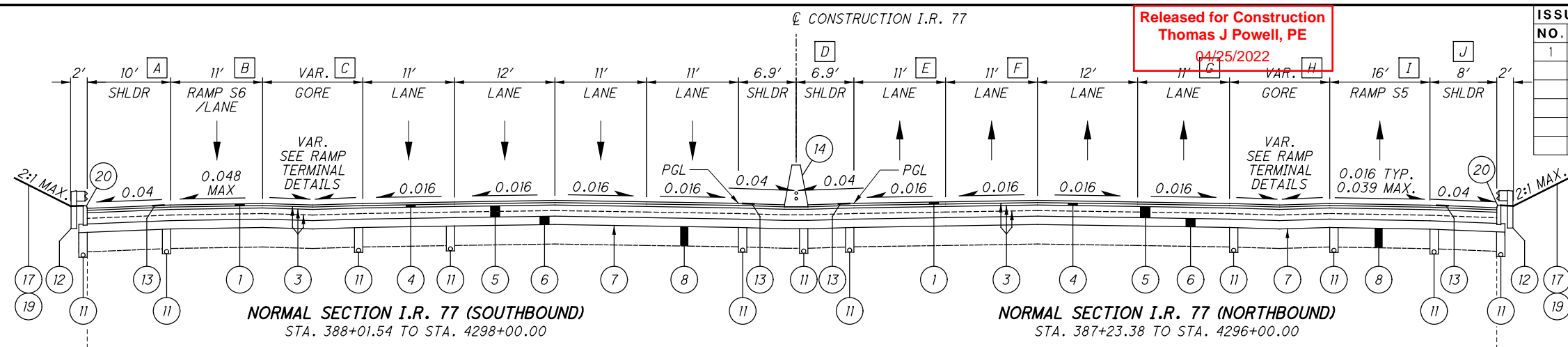


STA. 375+01.24 TO STA. 376+50.00

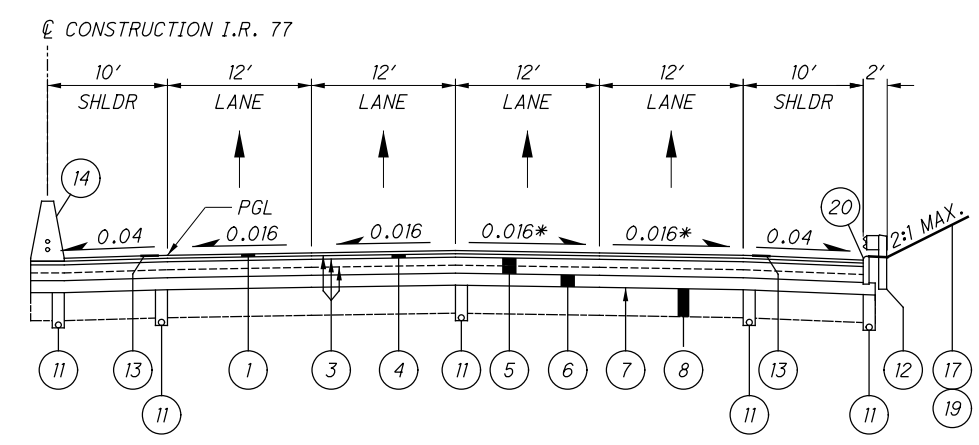
- A** VARIES FROM 8.0' AT STA. 368+82.88 TO 5.6' AT MEET APPROACH SLAB
 6.3' FROM MEET APPROACH SLAB TO STA. 372+27.50
 VARIES FROM 6.3' AT STA. 372+27.50 TO 10.0' AT STA. 373+62.50
 10.0' FROM STA. 373+62.50 TO STA. 375+01.24
- B** VARIES FROM 16.0' AT STA. 364+84.16 TO 11.0' AT STA. 366+80.07
 11.0' AT STA. 366+80.07 TO STA. 368+82.88
 VARIES FROM 11.0' AT STA. 368+82.88 TO 0.0' AT STA. 369+78.74
 0.0' FROM STA. 369+78.74 TO STA. 375+01.24
- C** VARIES FROM 9.6' AT STA. 363+07.92 TO 0.0' AT STA. 364+84.16
 0.0' FROM STA. 363+84.40 TO STA. 375+01.24
- D** VARIES FROM 15.7' AT STA. 363+07.92 TO 0.0' AT STA. 370+92.84
 0.0' FROM STA. 370+92.84 TO STA. 375+01.24
- E** VARIES FROM 8.0' AT STA. 368+31.00 TO 4.0' AT STA. 369+31.02
 4.0' FROM STA. 369+31.02 TO MEET APPROACH SLAB
 4.6' FROM MEET APPROACH SLAB TO STA. 372+01.32
 VARIES FROM 4.6' AT STA. 372+01.32 TO 10.0' AT STA. 372+40.18
 10.0' FROM STA. 372+40.18 TO STA. 375+01.24
- F** VARIES FROM 10.0' AT STA. 376+05.00 TO 6.0' AT STA. 377+30.00
 6.0' FROM STA. 377+30.00 TO STA. 379+80.00
 VARIES FROM 6.0' AT STA. 379+80.00 TO 10.0' AT STA. 381+05.00
- G** VARIES FROM 10.0' AT STA. 375+10.92 TO 5.3' AT STA. 376+55.92
 5.3' FROM STA. 376+55.92 TO MEET APPROACH SLAB
 5.5' FROM MEET APPROACH SLAB TO STA. 379+43.43
 VARIES FROM 5.5' AT STA. 379+43.43 TO 10.0' AT STA. 379+74.93

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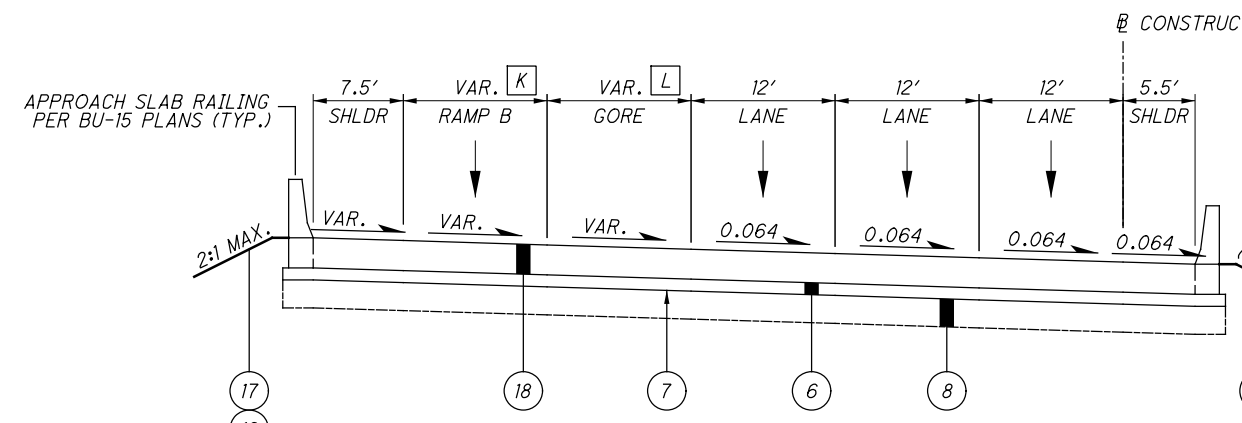
ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	4/19/22	GUARDRAIL REVISION



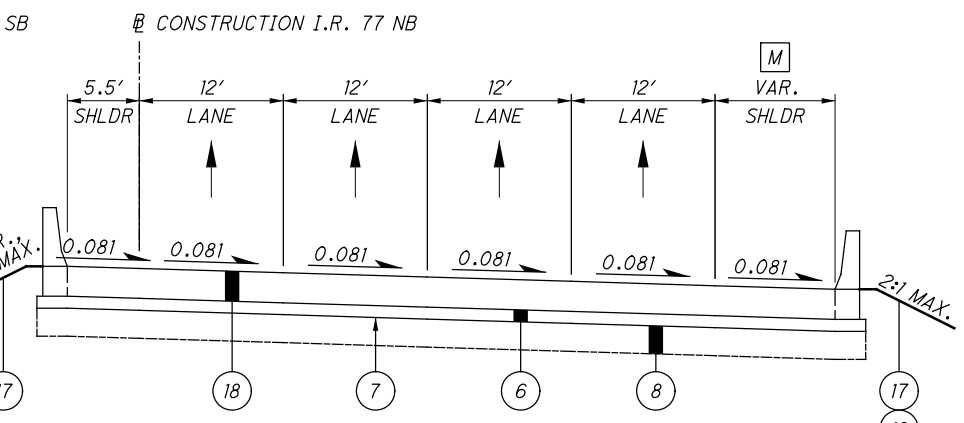
- A VARIES FROM 10.0' AT STA. 395+86.00 TO 8.5' AT STA. 396+23.50
8.5' FROM STA. 396+23.50 TO STA. 397+00.00
VARIES FROM 8.5' AT STA. 397+00.00 TO 10.0' AT STA. 397+37.50
VARIES FROM 10.0' AT STA. 406+17.50 TO 4.8' AT STA. 406+54.25
4.8' FROM STA. 406+54.25 TO STA. 4292+82.00
VARIES FROM 4.8' AT STA. 4292+82.00 TO 10.0' AT STA. 4294+13.25
- B 16.0' FROM STA. 388+01.54 TO STA. 390+94.94
VARIES FROM 16.0' AT STA. 390+94.94 TO 11.0' AT STA. 392+54.94
- C VARIES FROM 23.0' AT STA. 388+01.54 TO 0.0' AT STA. 390+94.94
0.0' FROM STA. 390+94.94 TO STA. 4298+00.00
- D VARIES FROM 6.9' AT STA. 404+57.41 TO 10.0' AT STA. 4293+10.00
10.0' FROM STA. 4293+10.00 TO STA. 4296+00.00
- E VARIES FROM 11.0' AT STA. 404+57.41 TO 12.0' AT STA. 4293+10.00
12.0' FROM STA. 4293+10.00 TO STA. 4296+00.00
- F VARIES FROM 11.0' AT STA. 404+57.41 TO 12.0' AT STA. 4293+10.00
12.0' FROM STA. 4293+10.00 TO STA. 4296+00.00
- G VARIES FROM 11.0' AT STA. 404+57.41 TO 12.0' AT STA. 4293+10.00
12.0' FROM STA. 4293+10.00 TO STA. 4296+00.00
- H VARIES FROM 23.0' AT STA. 387+23.38 TO 0.0' AT STA. 395+48.42
0.0' FROM STA. 395+48.42 TO STA. 4296+00.00
- I VARIES FROM 16.0' AT STA. 395+48.42 TO 0.0' AT STA. 404+03.34
0.0' FROM STA. 404+03.34 TO STA. 4296+00.00
- J 6.0' FROM STA. 387+23.38 TO STA. 388+04.98
VARIES FROM 6.0' AT STA. 388+04.98 TO 8.0' AT STA. 388+54.98
VARIES FROM 8.0' AT STA. 403+53.62 TO 10.0' AT STA. 404+03.34
10.0' FROM STA. 404+03.34 TO STA. 4296+00.00
- K 16.0' FROM STA. 515+59.77 TO STA. 515+84.77
VARIES FROM 15.4' AT STA. 517+87.07 TO 14.3' AT STA. 518+12.07
- L VARIES FROM 19.8' AT STA. 515+59.77 TO 16.7' AT STA. 515+84.77
0.0' FROM STA. 517+87.07 TO STA. 518+12.07
- M VARIES FROM 7.7' AT STA. 515+63.36 TO 7.8' AT STA. 515+88.36
VARIES FROM 5.5' AT STA. 517+94.65 TO 5.0' AT STA. 518+19.65



* SLOPE TRANSITIONS FROM 0.016 AT STA. 4297+41.87 TO 0.027 AT STA. 4298+00.00



SECTION APPLIES:
 AH STA. 517+87.07 TO STA. 518+12.07
 STRUCTURE SUM-77-0975L
 BK STA. 515+59.77 TO STA. 515+84.77

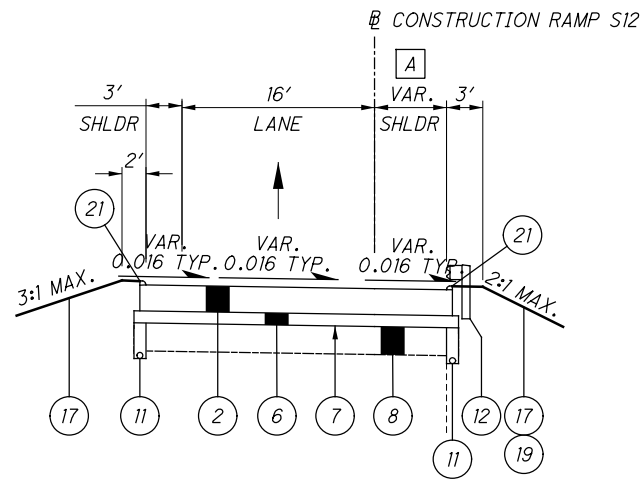


SECTION APPLIES:
 AH STA. 517+94.65 TO STA. 518+19.65
 STRUCTURE SUM-77-0974R
 BK STA. 515+63.36 TO STA. 515+88.36

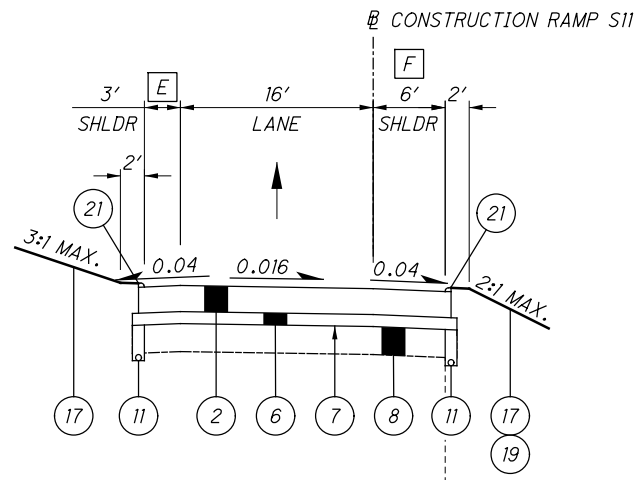
** DIMENSION AND DETAILS ON THIS SHEET SHALL BE SUPERCEDED BY THOSE SHOWN IN BU-15, IF DIFFERENT.

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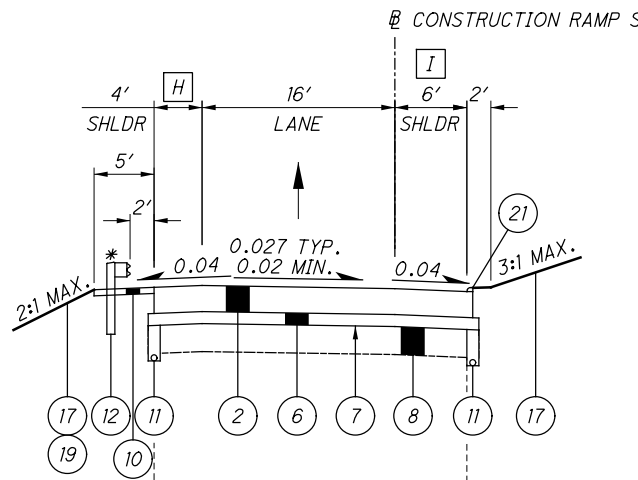
ISSUE RECORD:		
NO.	DATE	DESCRIPTION



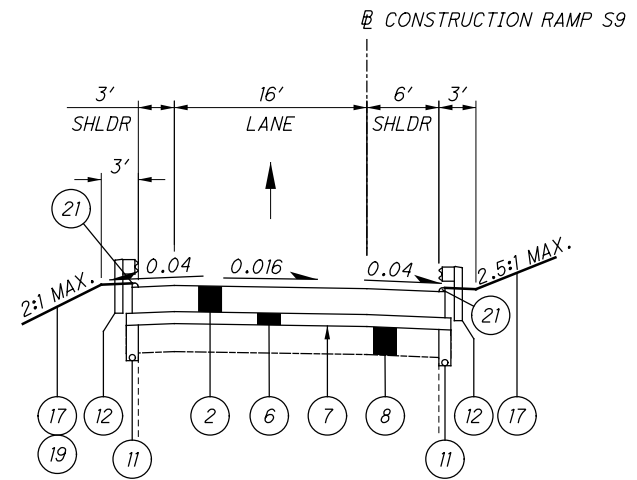
PROPOSED RAMP S12 SECTION
 STA. 6+40.12 TO STA. 10+55.46



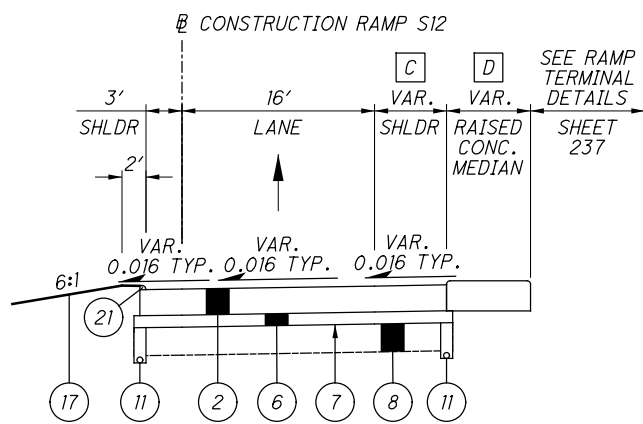
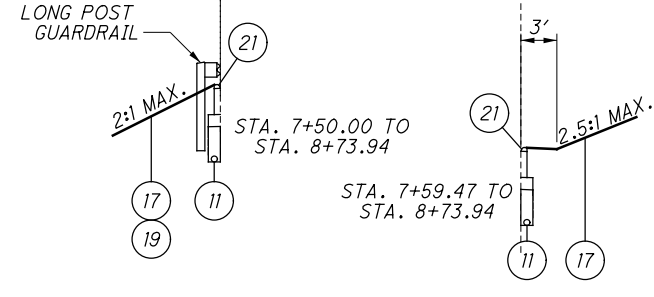
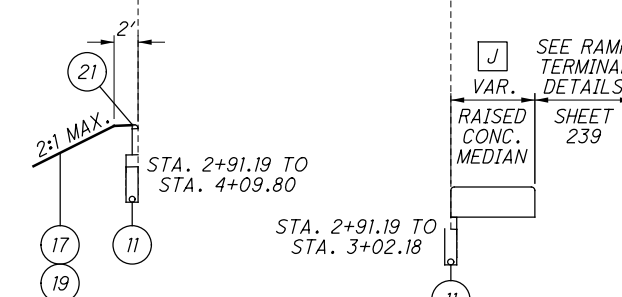
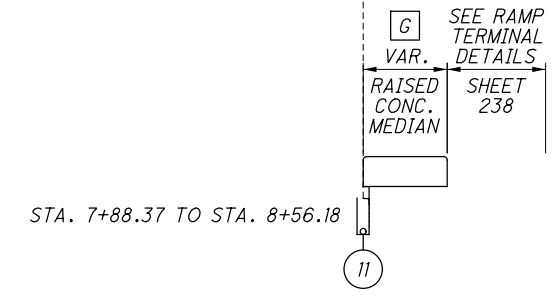
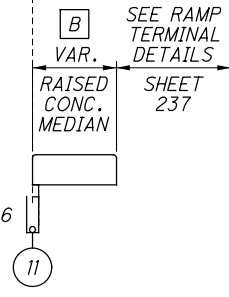
PROPOSED RAMP S11 SECTION
 STA. 7+88.37 TO STA. 9+71.44



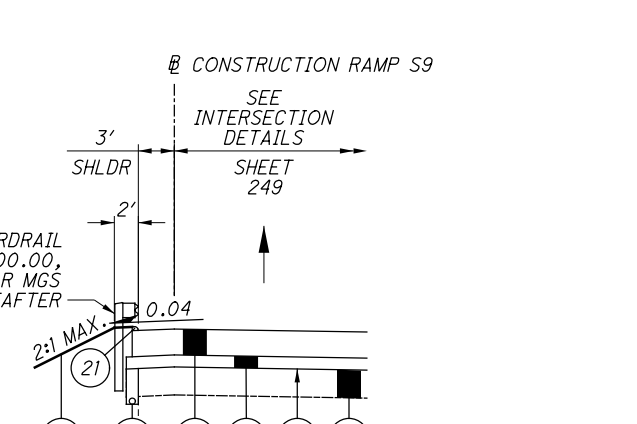
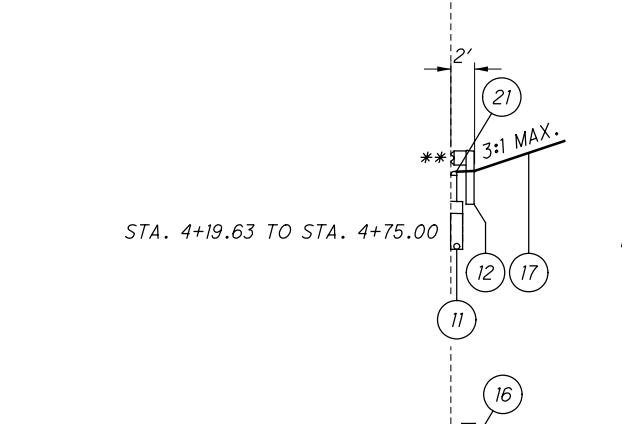
PROPOSED RAMP S10 SECTION
 STA. 2+91.19 TO STA. 6+43.85



PROPOSED RAMP S9 SECTION
 STA. 5+59.53 TO STA. 8+73.94



PROPOSED RAMP S12 SECTION
 STA. 10+55.46 TO STA. 12+57.23
 SEE 'COVENTRY STREET AT RAMP S12' FOR CONTINUATION, SHEET 12.



PROPOSED RAMP S9 SECTION
 STA. 8+73.94 TO STA. 12+77.40

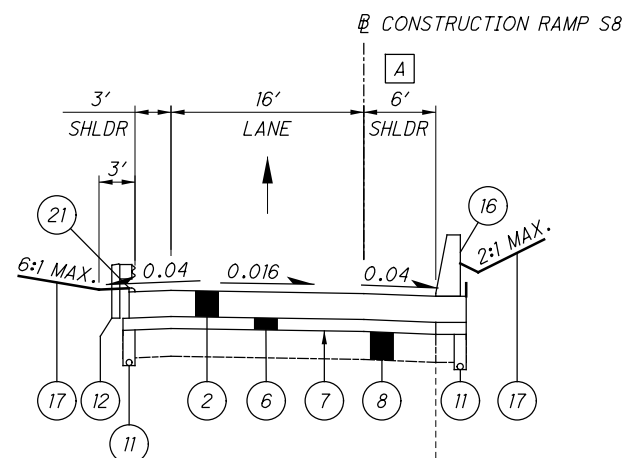
- A** VARIES FROM 10.0' AT STA. 6+40.12 TO 6.0' AT STA. 7+40.03
 6.0' FROM 7+40.03 TO STA. 10+31.49
 VARIES FROM 6.0' AT STA. 10+31.49 TO 5.4' AT STA. 10+55.46
- B** ITEM 609 - CONCRETE MEDIAN PER ODOT SCD RM-3.1
 VARIES FROM 6.4' AT STA. 10+31.49 TO 6.2' AT STA. 10+55.46
- C** VARIES FROM 5.4' AT STA. 10+55.46 TO 0.0' AT STA. 12+57.23
- D** ITEM 609 - CONCRETE MEDIAN PER ODOT SCD RM-3.1
 VARIES FROM 6.2' AT STA. 10+55.46 TO 4.0' AT STA. 12+57.23
- E** 0.0' FROM STA. 7+88.37 TO STA. 8+83.44
 VARIES FROM 0.0' AT STA. 8+83.44 TO 3.0' AT STA. 8+98.14

- F** 0.0' FROM STA. 7+88.37 TO STA. 8+83.44
 VARIES FROM 0.0' AT STA. 8+83.44 TO 6.0' AT STA. 9+13.44
- G** ITEM 609 - CONCRETE MEDIAN PER ODOT SCD RM-3.1
 VARIES FROM 4.0' AT STA. 7+88.37 TO 11.0' AT STA. 8+56.18
- H** 0.0' FROM STA. 2+91.19 TO STA. 3+90.22
 VARIES FROM 0.0' AT STA. 3+90.22 TO 4.0' AT STA. 4+09.80
- I** 0.0' FROM STA. 2+91.19 TO STA. 3+90.22
 VARIES FROM 0.0' AT STA. 3+90.22 TO 6.0' AT STA. 4+19.63
- J** ITEM 609 - CONCRETE MEDIAN PER ODOT SCD RM-3.1
 0.0' FROM STA. 2+91.19 TO STA. 2+92.52
 VARIES FROM 0.0' AT STA. 2+92.52 TO 4.2' AT STA. 3+02.18

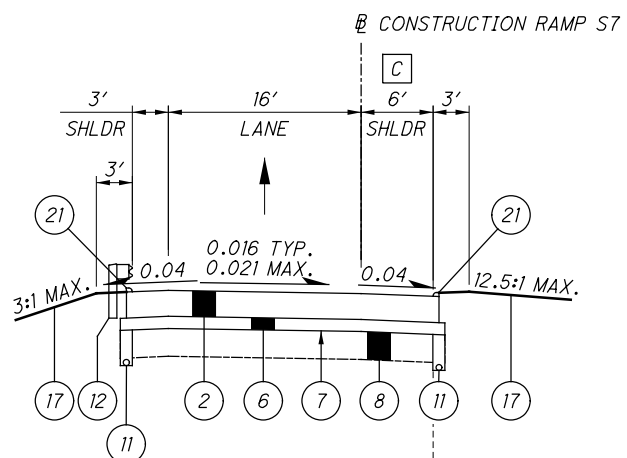
* GUARDRAIL BEGINS AT STA. 3+69.95
 ** GUARDRAIL BEGINS AT STA. 4+00.53

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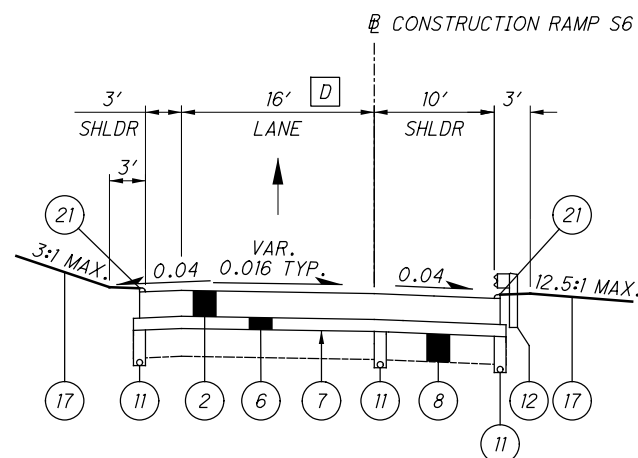
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NO.	DATE	DESCRIPTION



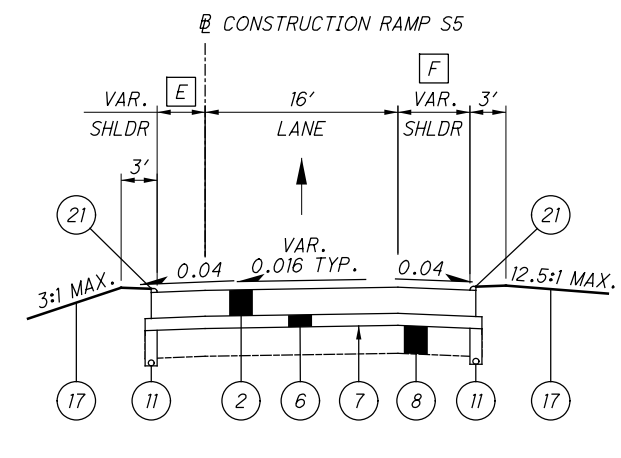
PROPOSED RAMP S8 SECTION
 STA. 5+62.96 TO STA. 8+35.78



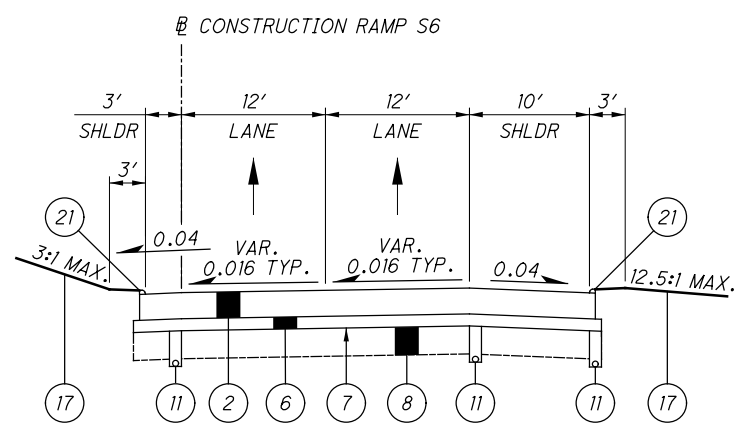
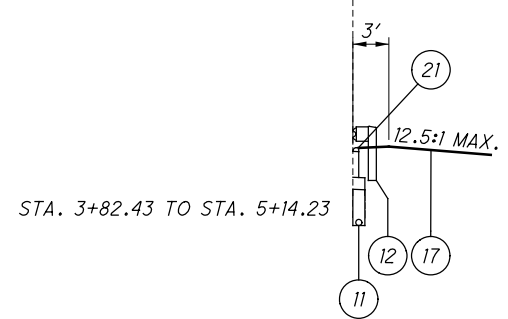
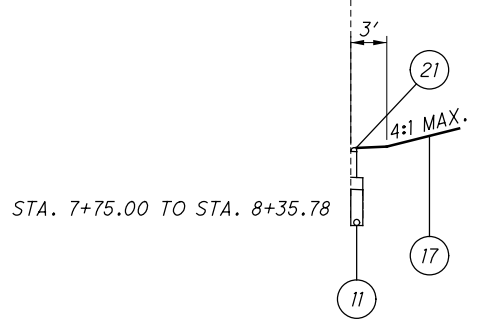
PROPOSED RAMP S7 SECTION
 STA. 0+62.09 TO STA. 5+14.23



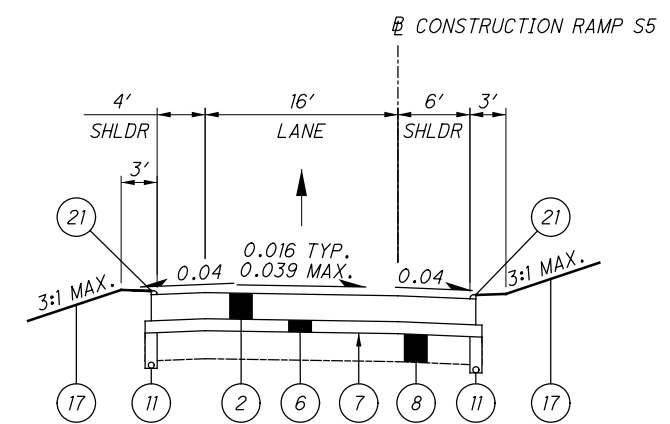
PROPOSED RAMP S6 SECTION
 STA. 4+53.14 TO STA. 6+40.54



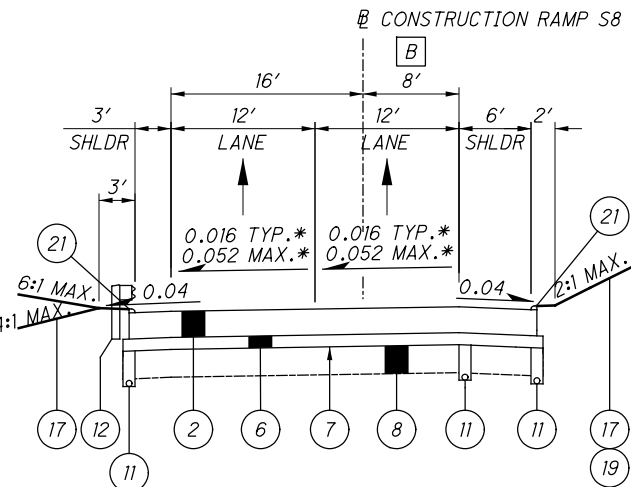
PROPOSED RAMP S5 SECTION
 STA. 4+45.45 TO STA. 6+50.50



PROPOSED RAMP S6 SECTION
 STA. 6+40.54 TO STA. 7+90.54



PROPOSED RAMP S5 SECTION
 STA. 6+50.50 TO STA. 8+96.37



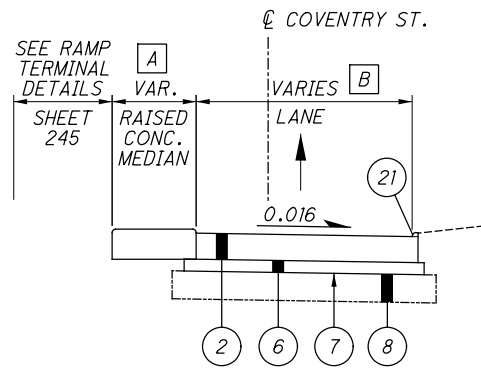
PROPOSED RAMP S8 SECTION
 STA. 8+35.78 TO STA. 12+68.82

* -0.016 SHOWN:
 +0.016 FROM STA. 8+35.78 TO STA. 10+15.00
 VARIES +0.016 TO -0.016 FROM STA. 10+15.00 TO STA. 11+15.00
 -0.016 FROM STA. 11+15.00 TO STA. 12+15.00
 VARIES -0.016 TO -0.052 FROM STA. 12+15.00 TO STA. 12+68.82

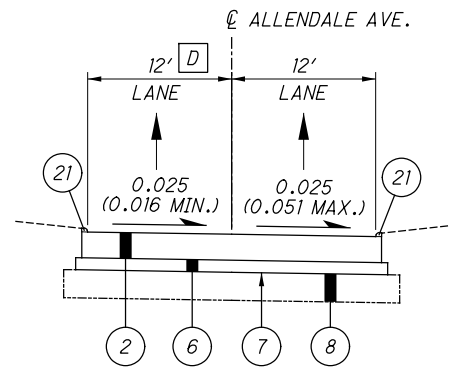
- A VARIES FROM 8.0' AT STA. 5+62.96 TO 6.0' AT STA. 6+62.72
- B VARIES FROM 0.0' AT STA. 8+35.78 TO 8.0' AT STA. 9+35.78
 8.0' FROM STA. 9+35.78 TO STA. 12+68.82
- C 0.0' FROM STA. 0+62.09 TO STA. 0+74.34
 VARIES FROM 0.0' AT STA. 0+74.34 TO 6.0' AT STA. 1+03.59
- D VARIES FROM 16.0' AT STA. 5+53.14 TO 24.0' AT STA. 6+02.49
 24.0' FROM STA. 6+02.49 TO STA. 6+40.54
- E 0.0' FROM STA. 4+45.45 TO STA. 5+42.58
 VARIES FROM 0.0' AT STA. 5+42.58 TO 4.0' AT STA. 5+62.18
 4.0' FROM STA. 5+62.18 TO 6+50.50
- F 0.0' FROM STA. 4+45.45 TO STA. 5+42.58
 VARIES FROM 0.0' AT STA. 5+42.58 TO 6.0' AT STA. 5+71.98
 6.0' FROM STA. 5+71.98 TO 6+50.50

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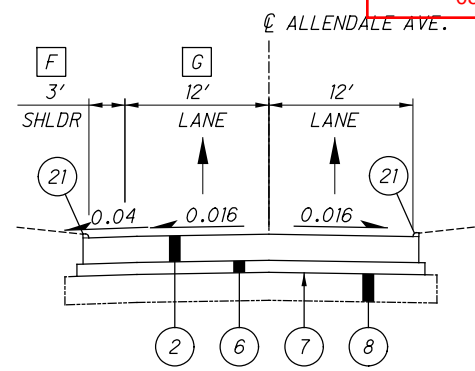
ISSUE RECORD:		
NO.	DATE	DESCRIPTION



PROPOSED COVENTRY STREET AT RAMP S12
 STA. 1+00.00 TO STA. 3+26.46

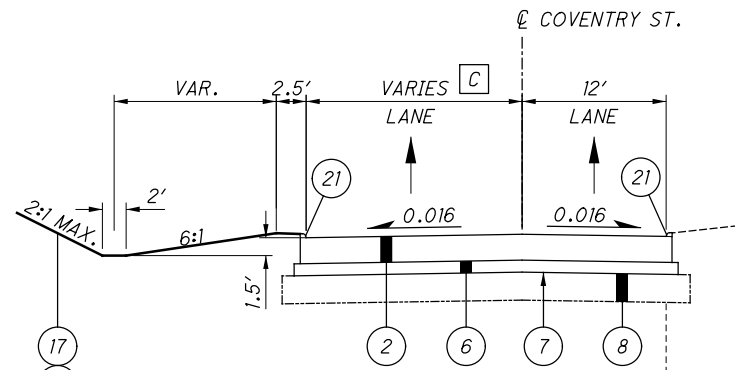


PROPOSED ALLENDALE AVENUE AT RAMP S11
 STA. 11+30.77 TO STA. 18+95.24

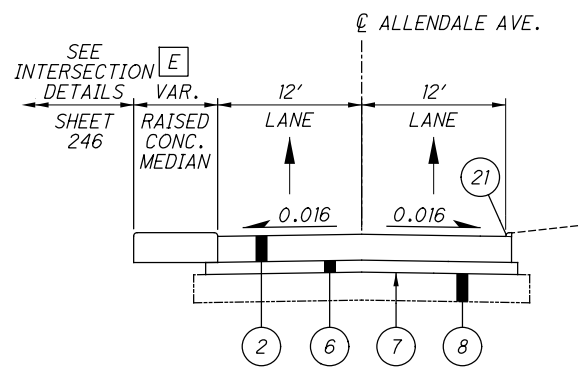


PROPOSED ALLENDALE AVENUE AT RAMP S9
 STA. 1+00.00 TO STA. 5+72.22

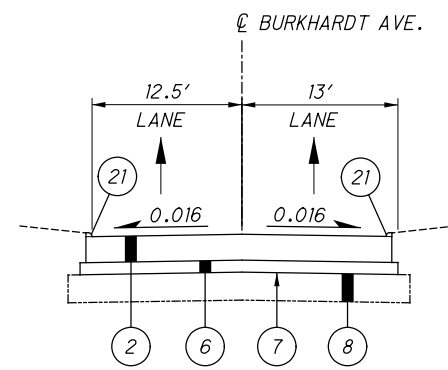
NOTE:
 STA. 11+30.77 TO STA. 15+88.68 @ ALLENDALE AVE. =
 STA. 0+22.46 TO STA. 4+80.37 @ RAMP S11
 SEE INTERSECTION DETAILS, SHEET 246



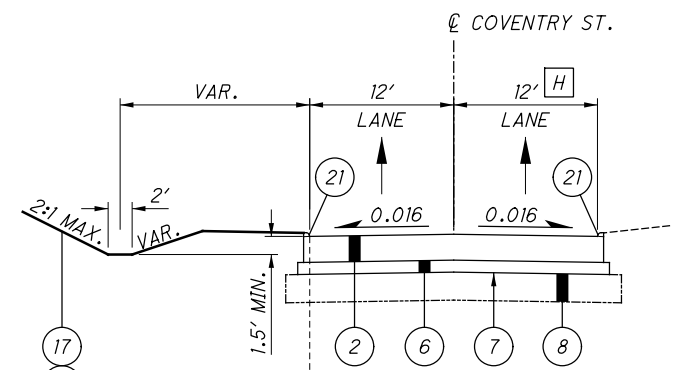
PROPOSED COVENTRY STREET AT RAMP S12
 STA. 3+26.46 TO STA. 5+09.65



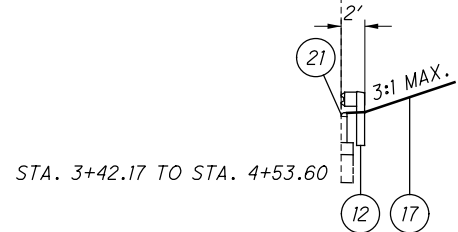
PROPOSED ALLENDALE AVENUE AT RAMP S11
 STA. 18+95.24 TO STA. 19+62.39



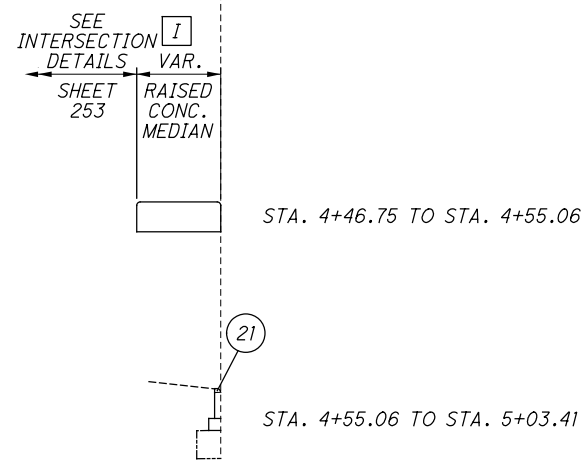
PROPOSED BURKHARDT AVENUE AT RAMP S6
 STA. 0+99.96 TO STA. 7+31.97



PROPOSED COVENTRY STREET AT RAMP S5
 STA. 0+16.77 TO STA. 5+03.41



STA. 3+42.17 TO STA. 4+53.60



STA. 4+46.75 TO STA. 4+55.06

STA. 4+55.06 TO STA. 5+03.41

- [A] ITEM 609 - CONCRETE MEDIAN PER ODOT SCD RM-3.1 VARIES FROM 6.4' AT STA. 1+00.00 TO 4.0' AT STA. 3+26.46
- [B] VARIES FROM 23.2' AT STA. 1+00.00 TO 14.0' AT STA. 3+26.46
- [C] VARIES FROM 25.0' AT STA. 3+26.46 TO 10.7' AT STA. 5+09.65
- [D] VARIES FROM 12.0' AT STA. 15+88.68 TO 31.9' AT STA. 18+95.24
- [E] ITEM 609 - CONCRETE MEDIAN PER ODOT SCD RM-3.1 VARIES FROM 4.0' AT STA. 18+95.24 TO 11.0' AT STA. 19+62.39
- [F] 0.0' FROM STA. 1+00.00 TO STA. 5+02.66
- [G] VARIES FROM 12.0' AT STA. 4+18.07 TO 9.5' AT STA. 5+02.66 9.5' AT STA. 5+02.66 TO STA. 5+72.22
- [H] VARIES FROM 12.0' AT STA. 4+13.09 TO 10.1' AT STA. 5+03.41
- [I] VARIES FROM 4.0' AT STA. 4+46.75 TO 5.1' AT STA. 4+55.06

PAVEMENT NOTES (CONT'D)

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM. 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.

ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN

IN LOW SHOULDER AREAS EXCEEDING 1", AND ADJACENT TO THE SAFETY EDGE, RECYCLED ASPHALT PAVEMENT (RAP) SHALL BE USED IN AREAS ADJACENT TO THE PAVED BERM. THE RAP SHALL HAVE A MINIMUM PG CONTENT OF 4.5% AND MEET THE FOLLOWING GRADATION. ONCE THE STOCKPILE MEETS THE GRADATION, THE PG CONTENT OF THE RAP SHALL BE DETERMINED PER 441.03. THE RAP ANALYSIS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL 2 WEEKS PRIOR TO USE. PLACEMENT AND COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 617.

MODIFIED GRADATION SHALL APPLY:

Table with 2 columns: SIEVE and TOTAL PERCENT PASSING. Rows include 1-1/2", 3/4", NO 4, NO 30, and NO 200.

ITEM 408 - PRIME COAT, AS PER PLAN

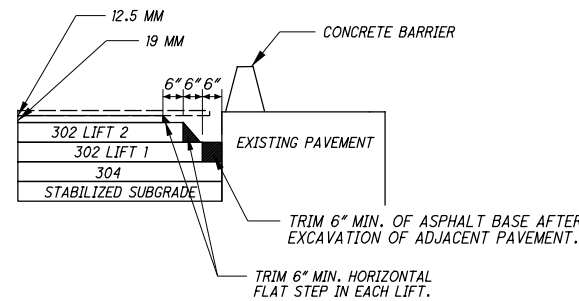
APPLY "MC-70" AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER.

ADVANCED NOTICE TO PAVE

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE DISTRICT CONSTRUCTION ENGINEER A DETAILED SCHEDULE 15 DAYS PRIOR TO THE PLACEMENT OF THE OVERLAY COURSES, ON HOW THEY PROPOSE TO PROSECUTE THE PAVING OPERATIONS. THE DETAILS SHALL SHOW THE ORDER OF PERFORMANCE OF EACH STAGE (START TO FINISH) OF THE WORK INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

PHASE JOINT FOR ASPHALT PAVING

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.



PHASING JOINT DETAIL

ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM. TYPE A (446), 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:

Table with 5 columns: Sieve Size, 9.5 mm mix, 12.5 mm mix, 19 mm mix, and Total Percent Passing. Rows include 1 1/2 inch, 3/4 inch, 1/2 inch, 3/8 inch, No. 4, No. 8, and No. 200.

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.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSE. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442)

THIS ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 442 ASPHALT CONCRETE, TYPE A. THE ASPHALT SHALL BE COMPACTED WITH A TYPE I PNEUMATIC TIRE ROLLER AND A STEEL WHEEL ROLLER AS PER CMS 401.13. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE RESURFACING LIMITS OF THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER COMPLETION OF PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN SEVEN (7) DAYS OF THE COMPLETION OF SAID PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR.

DRAINAGE NOTES

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 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.

REVIEW OF DRAINAGE FACILITIES (CONT'D)

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.

ENVIRONMENTAL NOTES

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 58832. FOR INFORMATION ABOUT OEPA'S NPDES PERMIT REQUIREMENTS SEE HTTPS://WWW.EPA.OHIO.GOV/DSW/STORM/INDEX

WETLANDS AVOIDANCE

NO EXCAVATION, GRADING, OR FILLING OPERATIONS SHALL BE PERFORMED IN WETLAND D DELINEATED BEYOND THE PROJECT CONSTRUCTION LIMITS AND DEPICTED IN THE PROJECT PLANS. TO PROTECT AND DELINEATE THE BOUNDARIES OF THE EXISTING RESOURCE, A FILTER FABRIC FENCE AND TEMPORARY CONSTRUCTION FENCE PER SUPPLEMENTAL SPECIFICATION 832, SHALL BE INSTALLED AT THE PROPOSED BOUNDARIES, WHEN PRACTICABLE, PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES, INCLUDING ANY NECESSARY CLEARING AND GRUBBING ACTIVITIES, AND BE MAINTAINED BY THE CONTRACTOR THROUGHOUT PROJECT CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE EQUIPMENT AND/OR MATERIALS IN ANY WETLANDS, ETC. ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS SECTION 107.10 (PROTECTION AND RESTORATION OF PROPERTY) PROHIBIT THE CONTRACTOR FROM CREATING STAGING AREAS NEAR STREAMS AND/OR WETLANDS.

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ISSUE RECORD table with columns: NO., DATE, DESCRIPTION. Includes row for 'RELEASED FOR CONSTRUCTION' dated 03/17/2022.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (CONT'D)

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 58832 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 FLOODPLAIN PERMIT IS NEEDED.

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.

ITEM SPECIAL - PIPE CLEANOUT

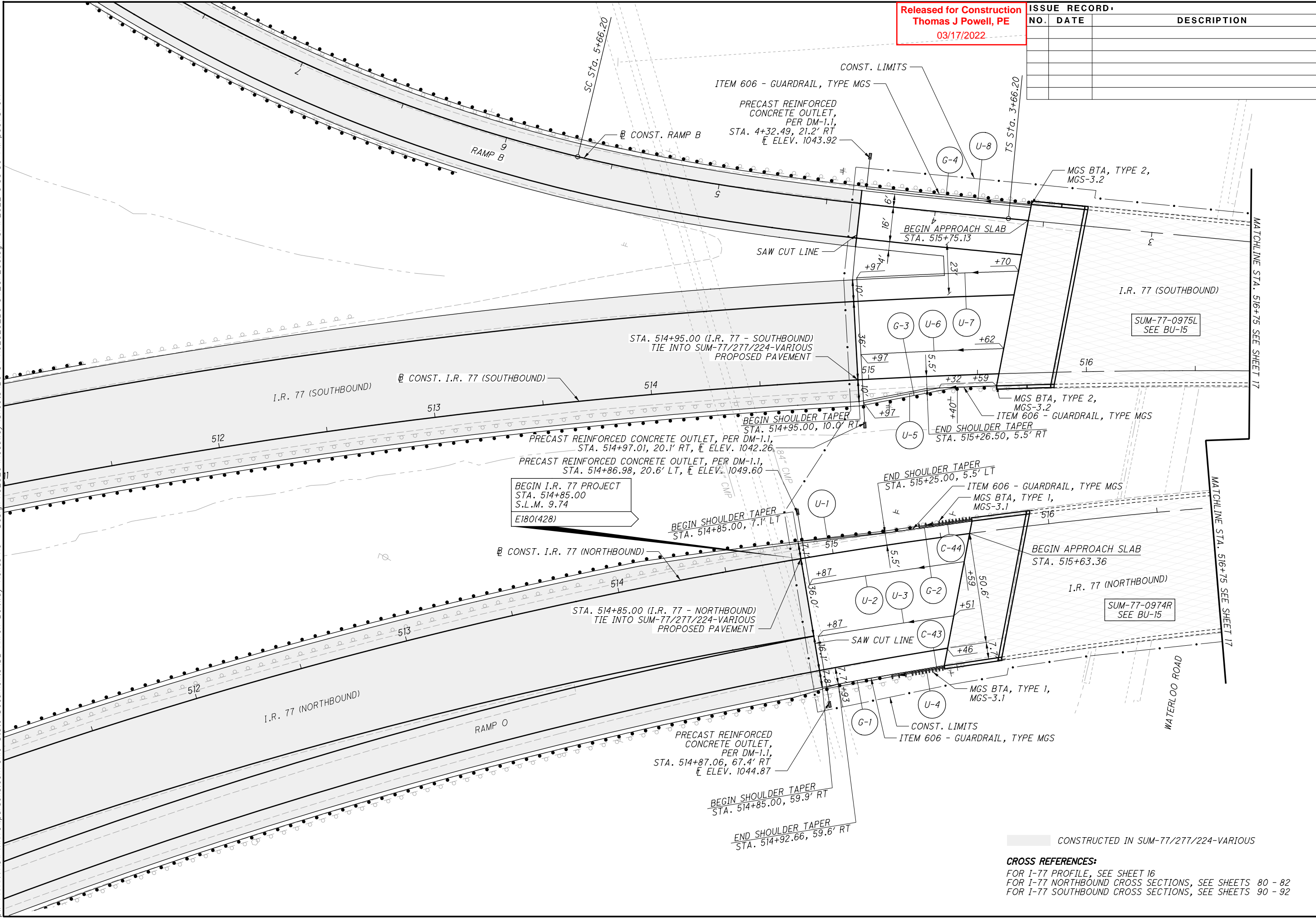
THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17. ALL SEWERS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

2022-03-02-BU 34-RFC PLANS SUM-76 / 77 / 8- 8.24 / 9.74 / 0.00

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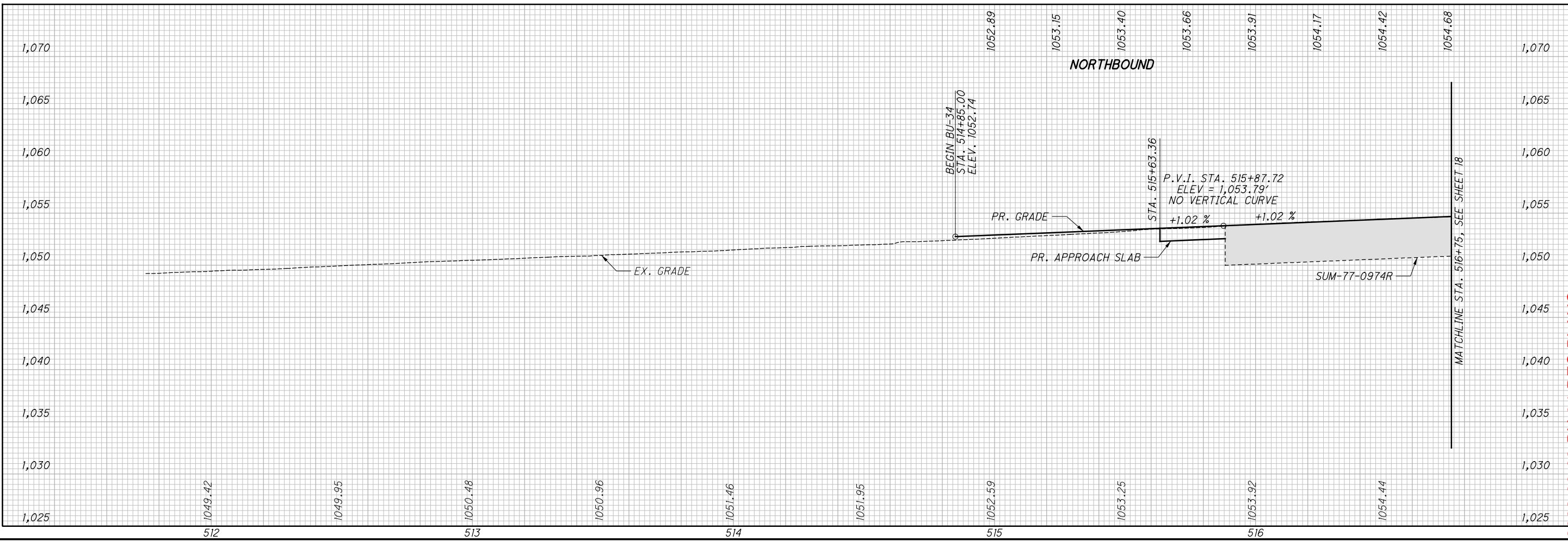
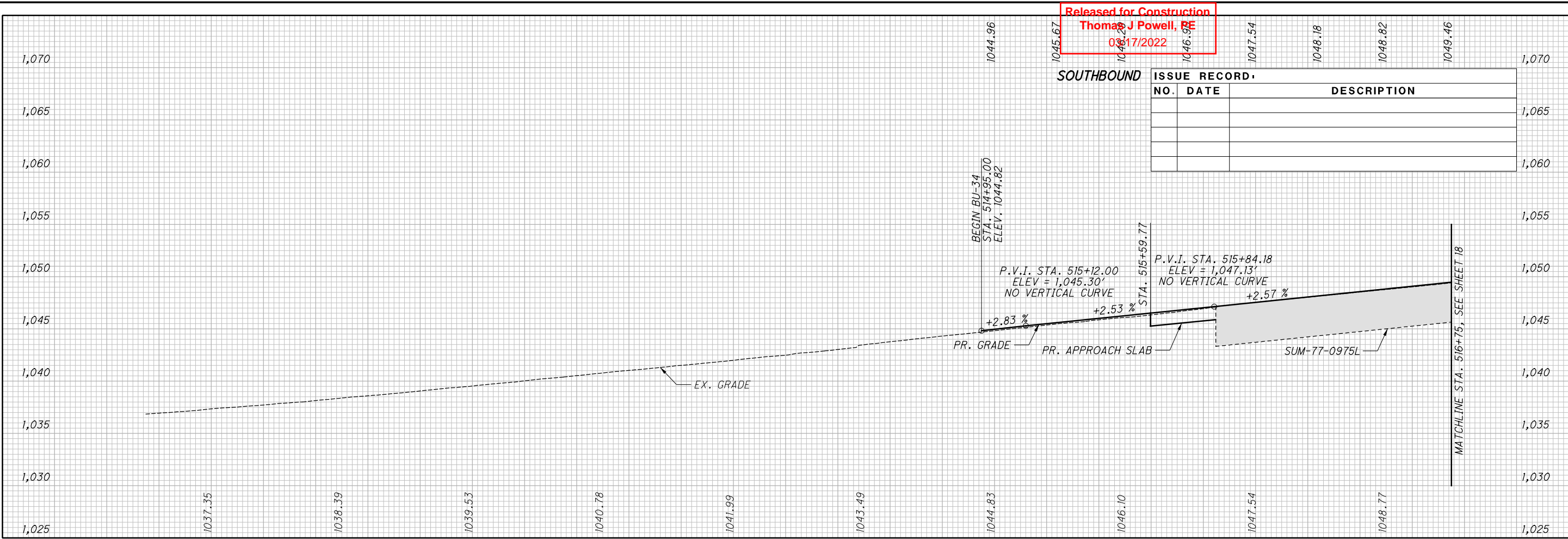


2022-03-02-BU 34-RFC PLANS

PLAN - I.R. 77
 BEGIN PROJECT TO STA. 516+75

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

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 298



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16
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SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

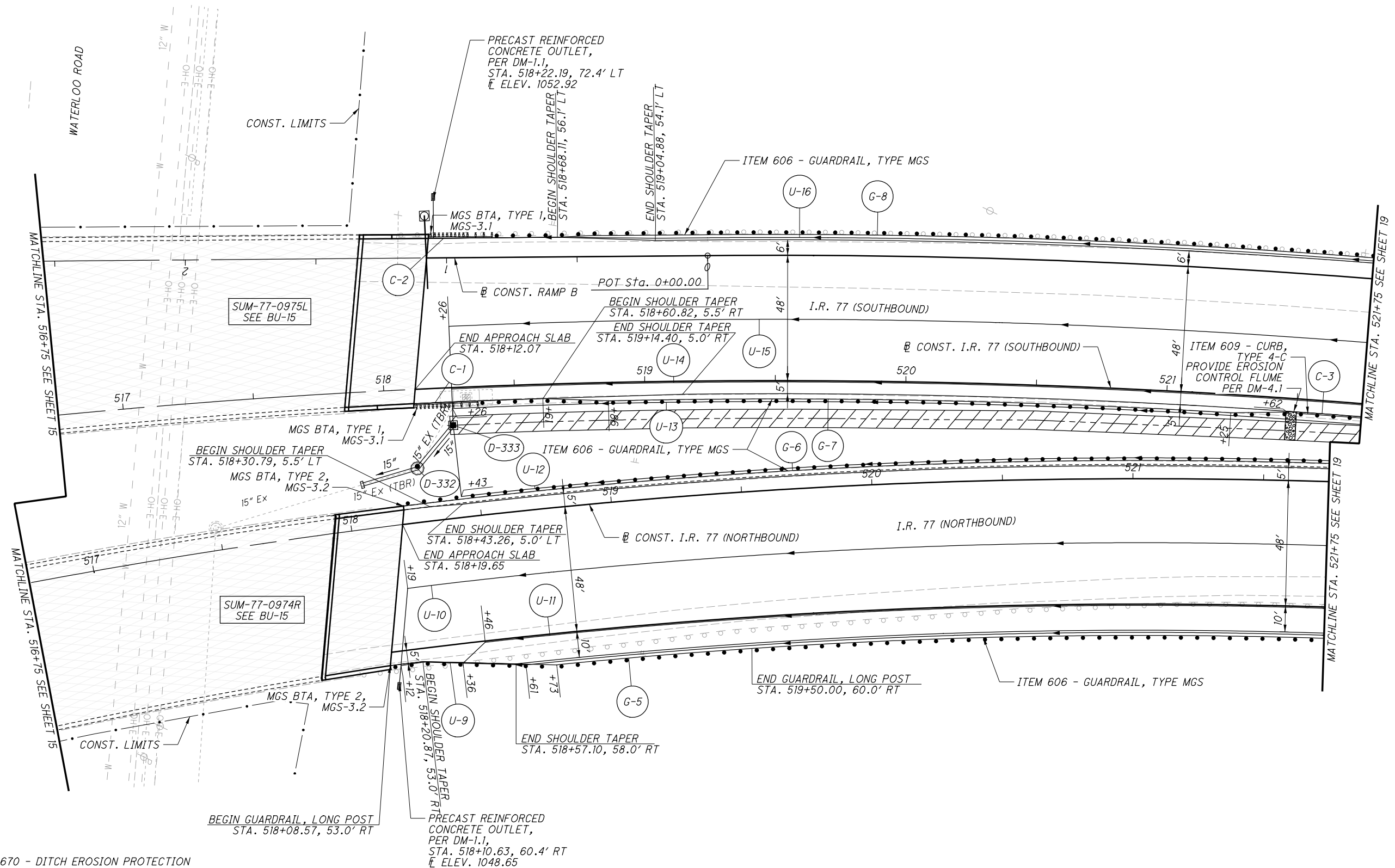
PROFILE - I.R. 77
 BEGIN PROJECT TO STA. 516 + 75

CALCULATED	SGM
CHECKED	JDD

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03/17/2022

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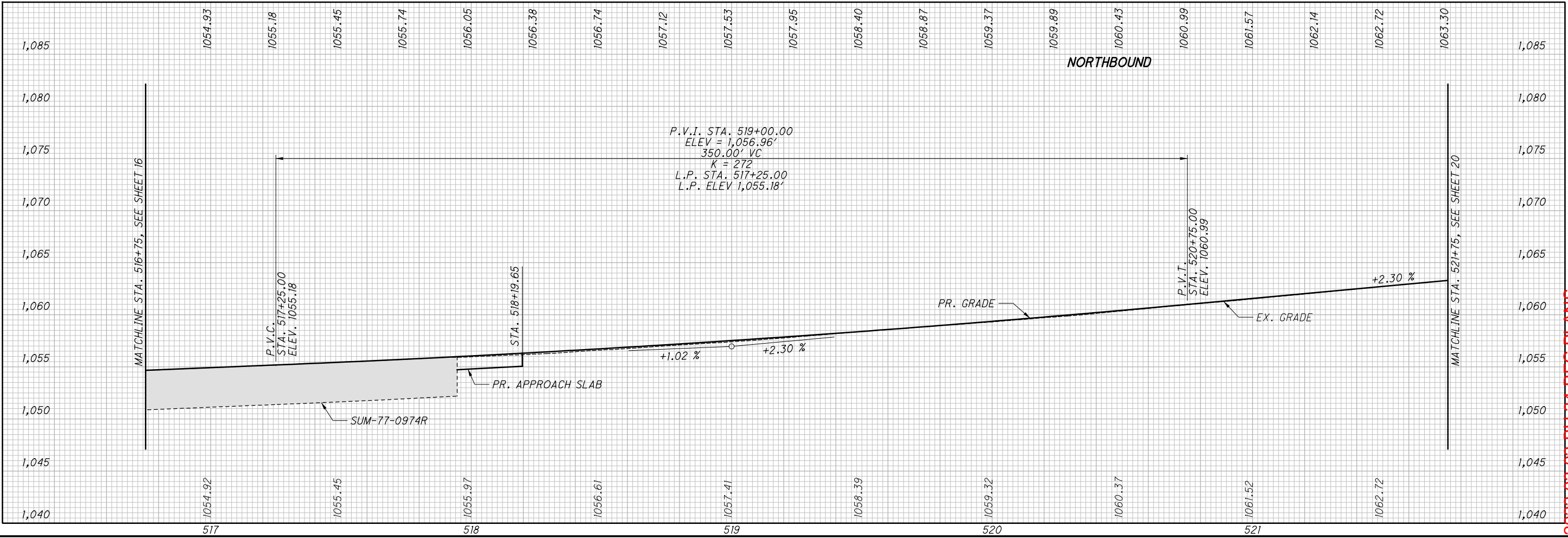
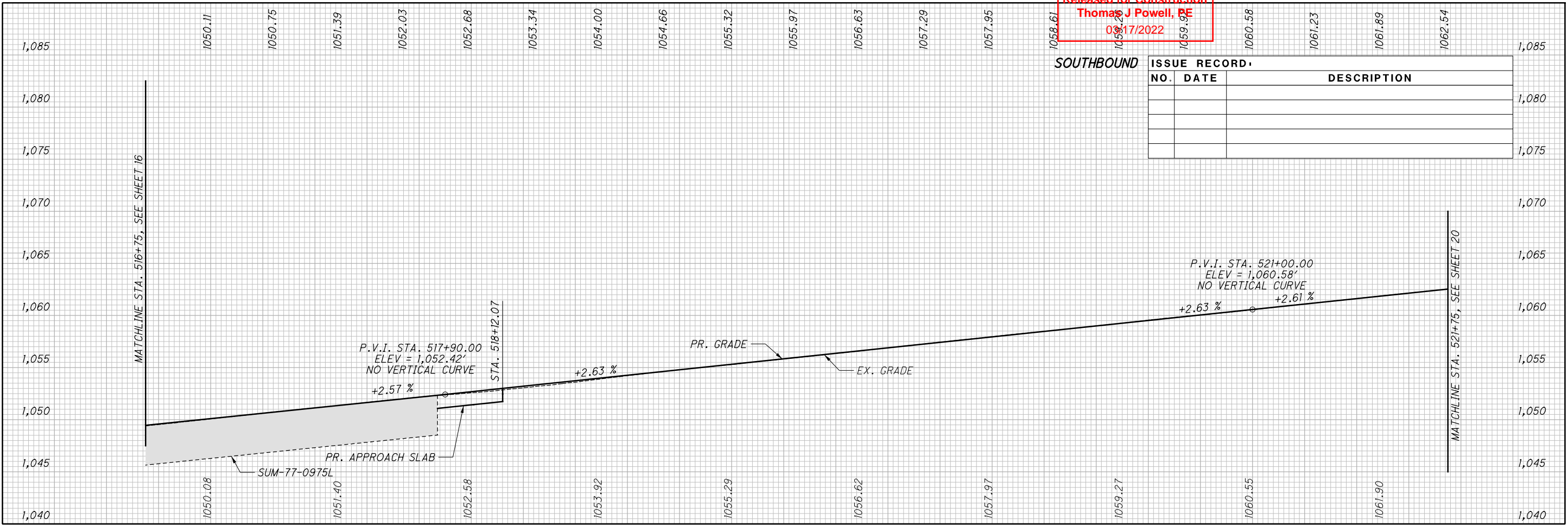


ITEM 670 - DITCH EROSION PROTECTION

CROSS REFERENCES:
FOR I-77 PROFILE, SEE SHEET 18
FOR I-77 NORTHBOUND CROSS SECTIONS, SEE SHEETS 82 - 85
FOR I-77 SOUTHBOUND CROSS SECTIONS, SEE SHEETS 92 - 96

PLAN - I.R. 77
STA. 516+75 TO STA. 521+75

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
17
298

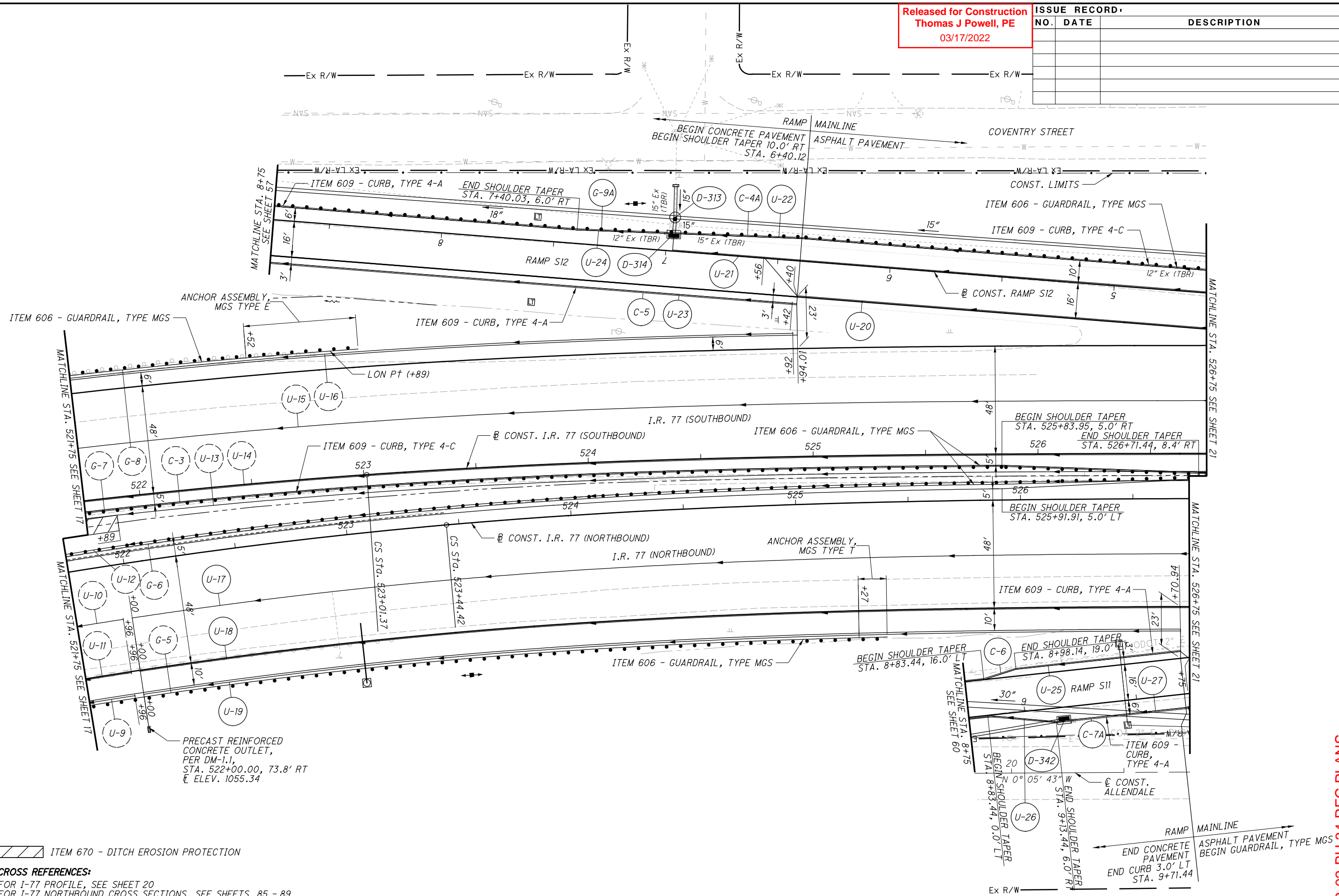


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ISSUE RECORD:		
NO.	DATE	DESCRIPTION

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03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



ITEM 670 - DITCH EROSION PROTECTION

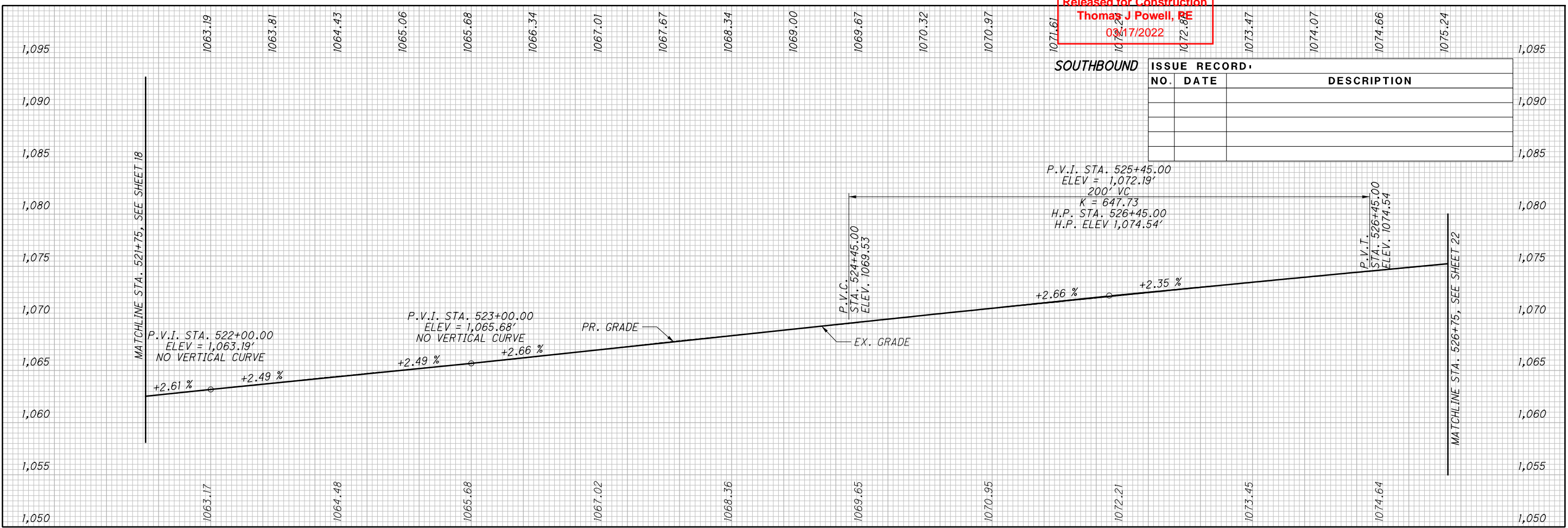
CROSS REFERENCES:

FOR I-77 PROFILE, SEE SHEET 20
FOR I-77 NORTHBOUND CROSS SECTIONS, SEE SHEETS 85 - 89
FOR I-77 SOUTHBOUND CROSS SECTIONS, SEE SHEETS 96 - 101
FOR RAMP TERMINAL DETAILS, SEE SHEETS 237 - 238
FOR STORM SEWER PROFILE, D-313, SEE SHEET 271

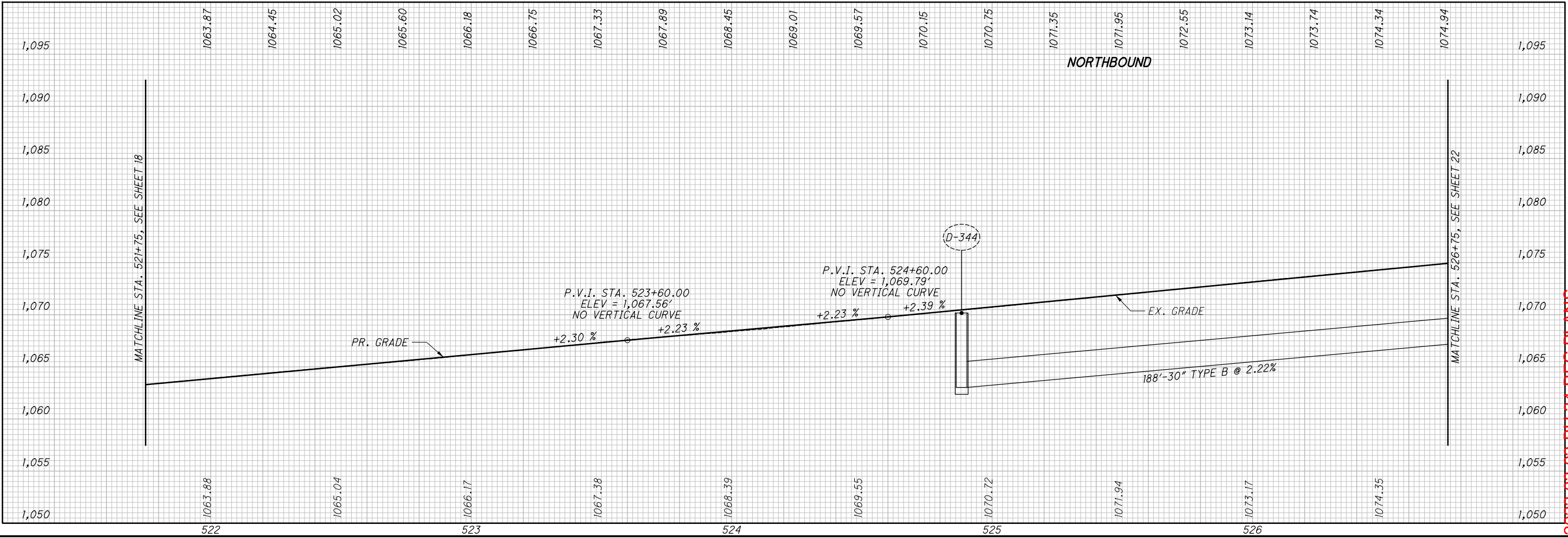
PLAN - I.R. 77
STA. 521+75 TO STA. 526+75

2022-03-02-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
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298

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ISSUE RECORD:		
NO.	DATE	DESCRIPTION



CALCULATED SGM
 CHECKED JDD

PROFILE - I.R. 77
 STA. 521+75 TO STA. 526+75

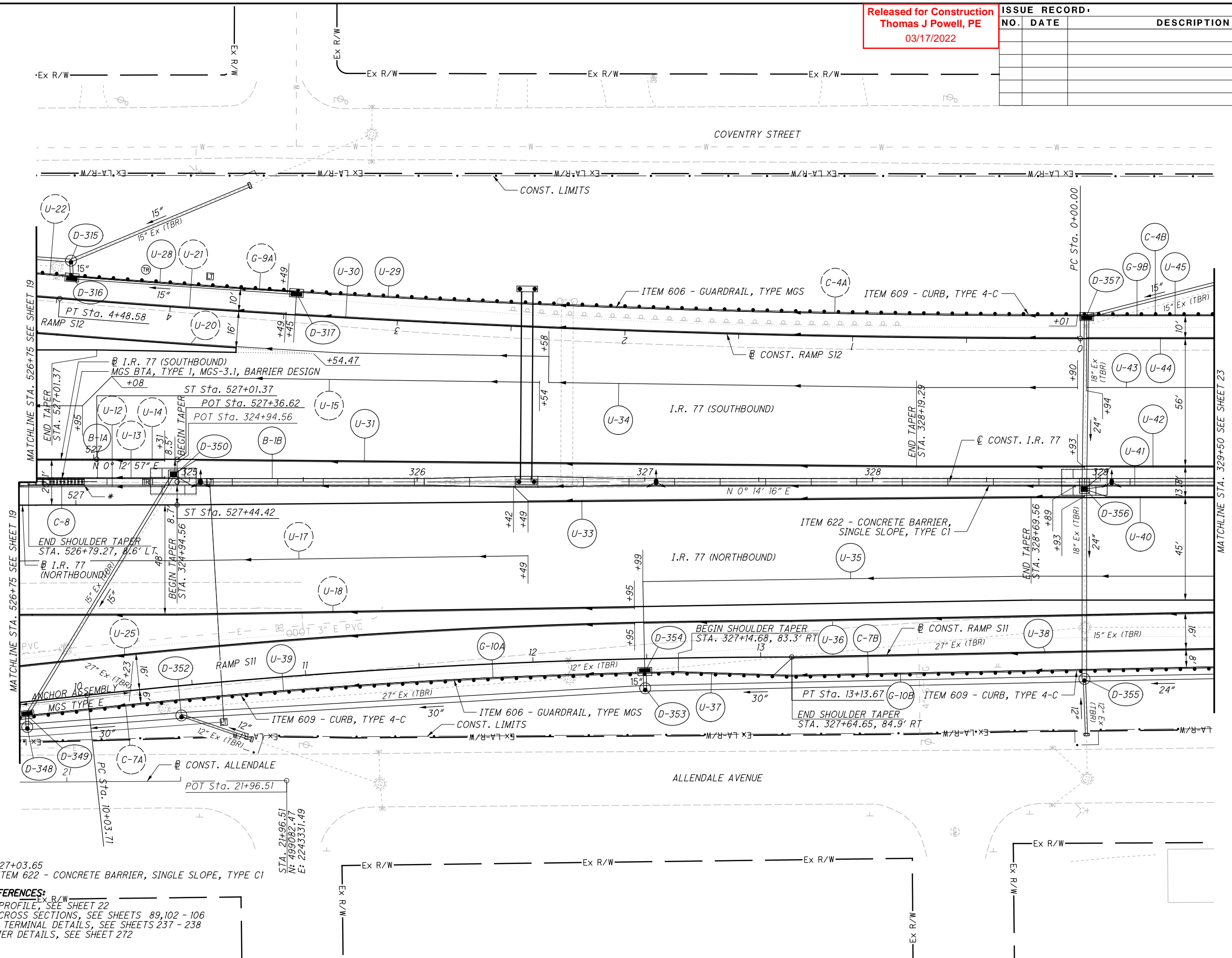
2022-03-02-BU 34-RFC PLANS
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ISSUE RECORD:		
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CALCULATED
GLW
CHECKED
SRB

HORIZONTAL SCALE IN FEET

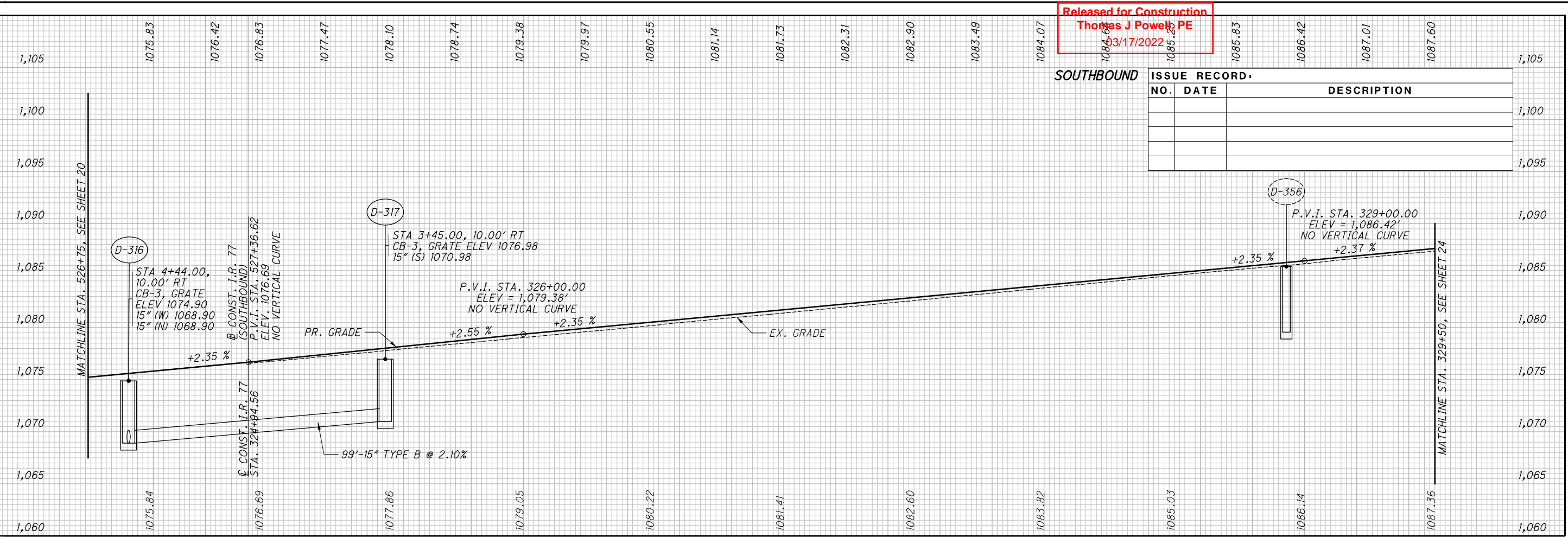


PLAN - I.R. 77
STA. 526+75 TO STA. 329+50

* STA. 527+03.65
BEGIN ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C1

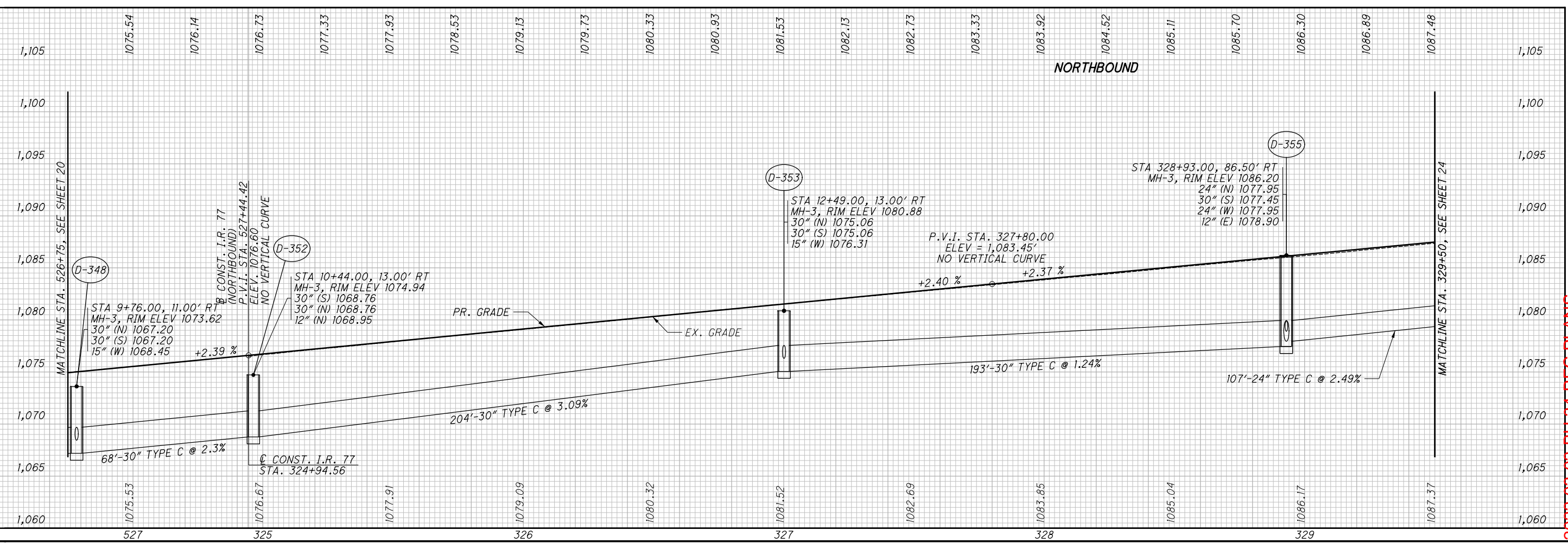
CROSS REFERENCES:
FOR I-77 PROFILE, SEE SHEET 22
FOR I-77 CROSS SECTIONS, SEE SHEETS 89,102 - 106
FOR RAMP TERMINAL DETAILS, SEE SHEETS 237 - 238
FOR BARRIER DETAILS, SEE SHEET 272

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ISSUE RECORD:

NO.	DATE	DESCRIPTION

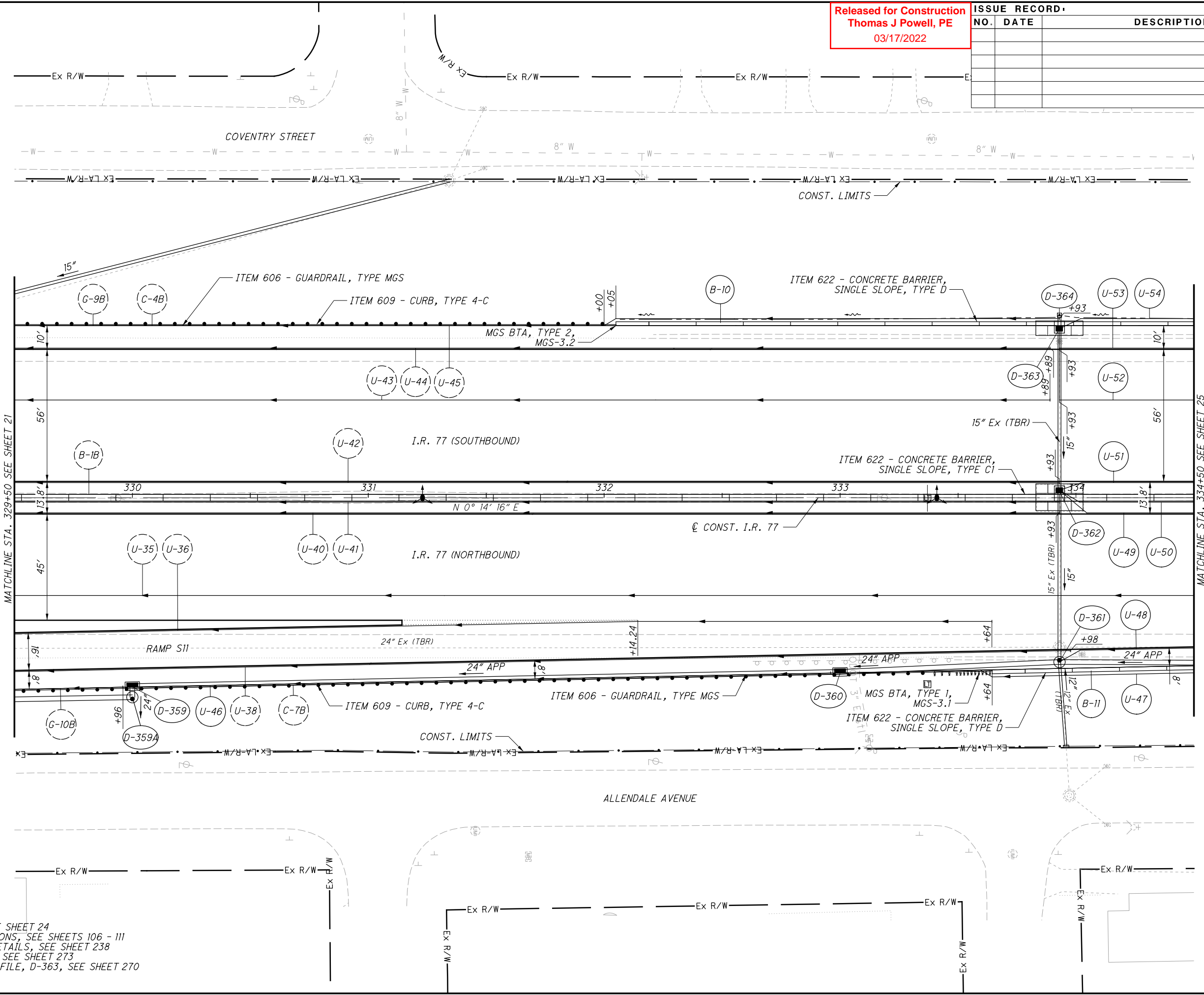


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Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

0 20 40
10
HORIZONTAL
SCALE IN FEET

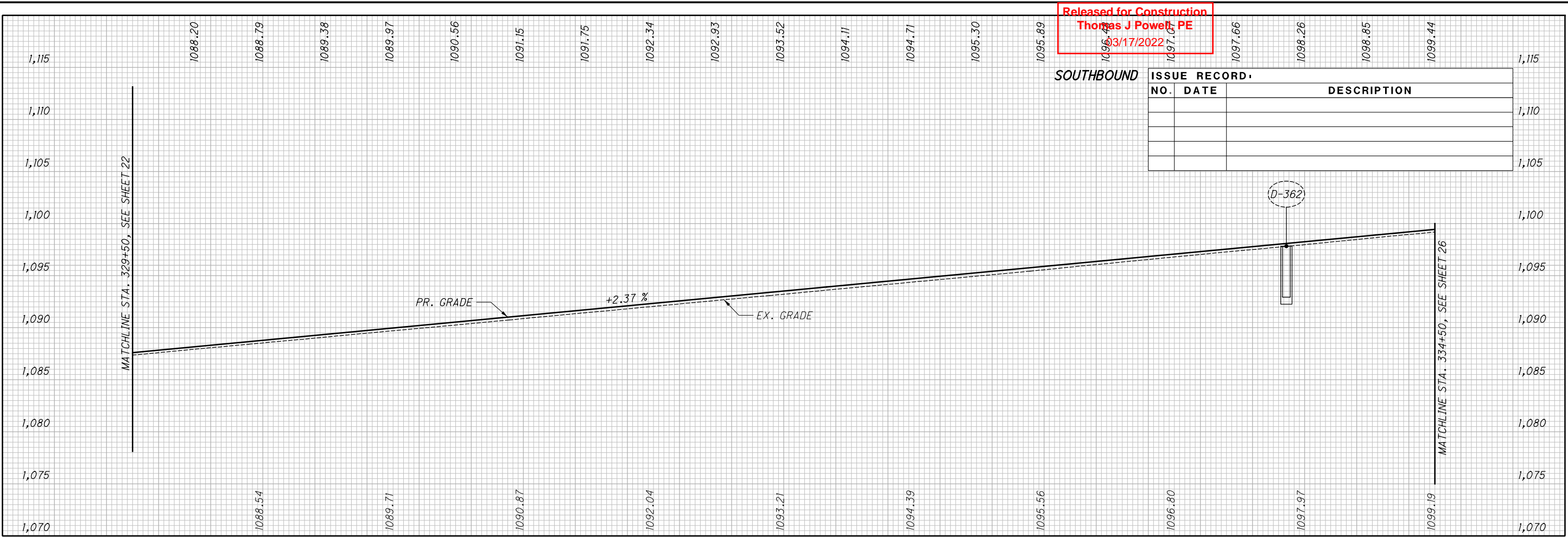


CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 24
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 106 - 111
 FOR RAMP TERMINAL DETAILS, SEE SHEET 238
 FOR BARRIER DETAILS, SEE SHEET 273
 FOR STORM SEWER PROFILE, D-363, SEE SHEET 270

PLAN - I.R. 77
 STA. 329+50 TO STA. 334+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

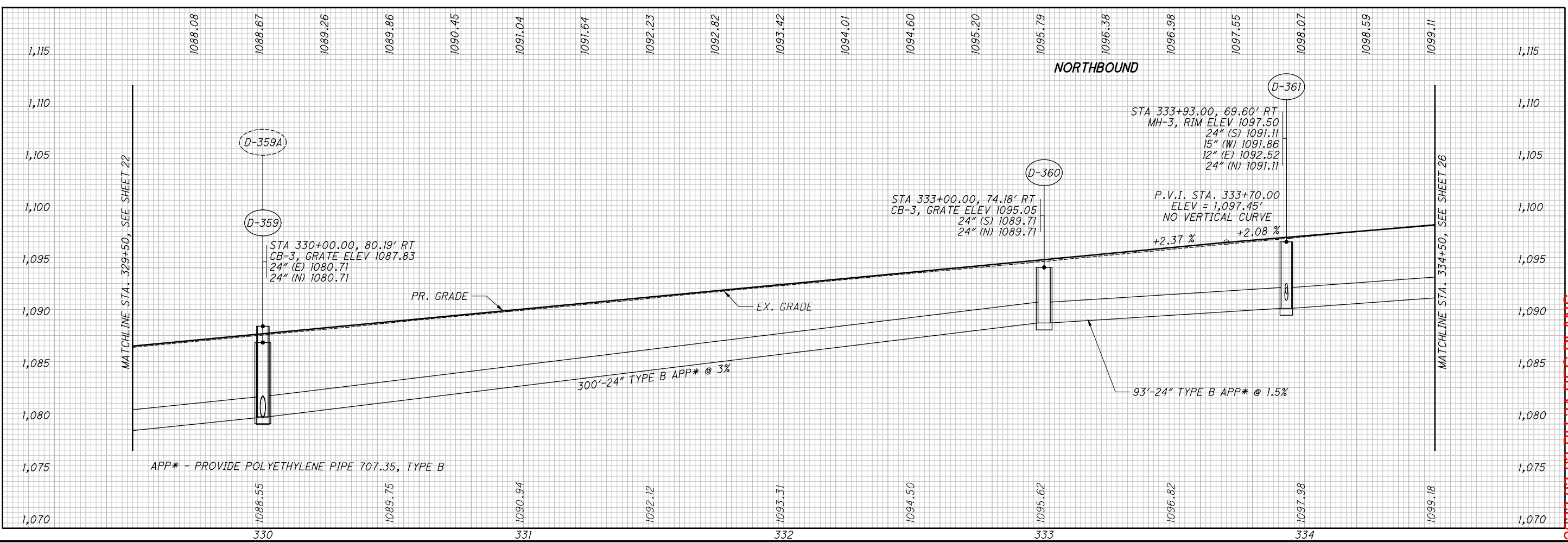
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298



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ISSUE RECORD:

NO.	DATE	DESCRIPTION



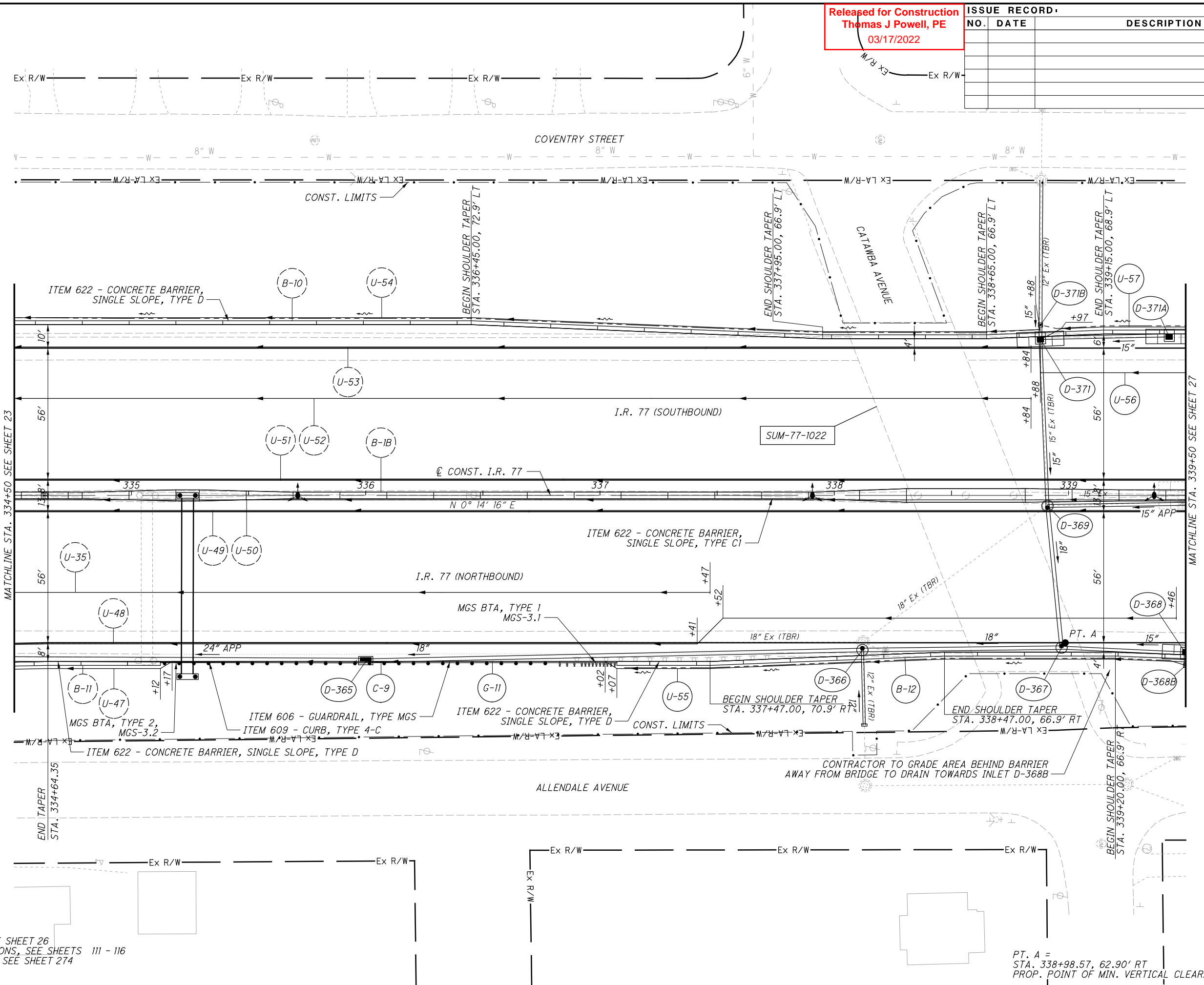
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Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

0 20 40
10'
HORIZONTAL
SCALE IN FEET

25
298



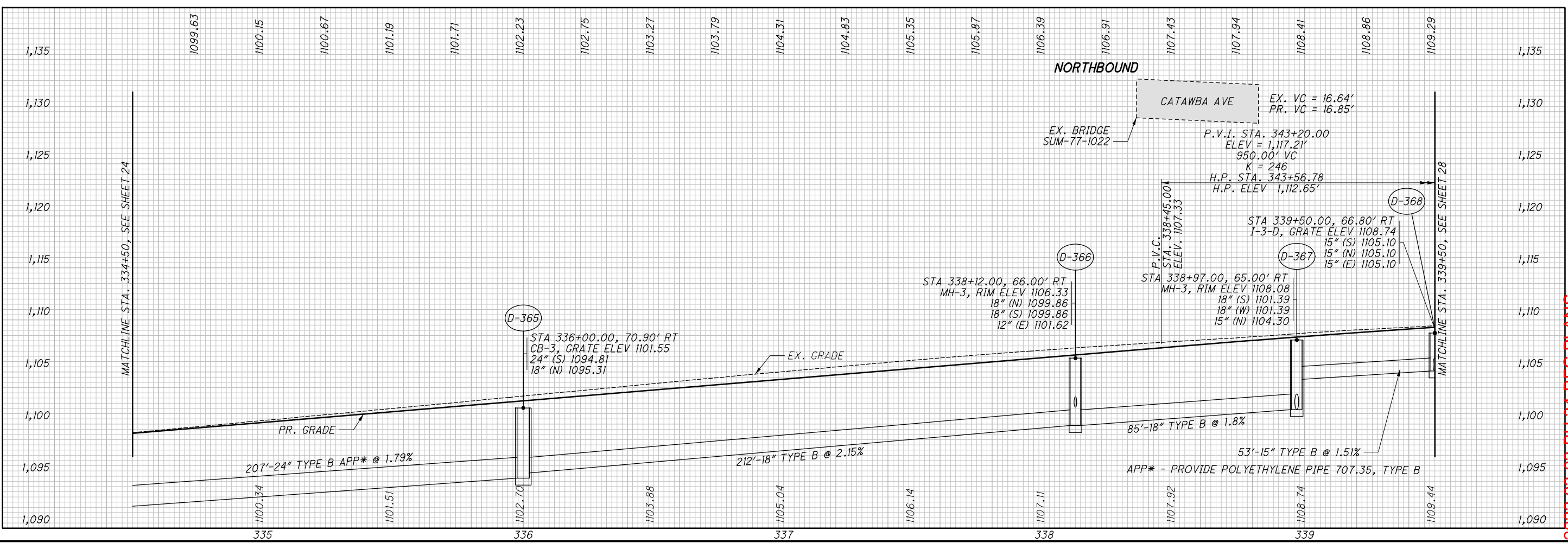
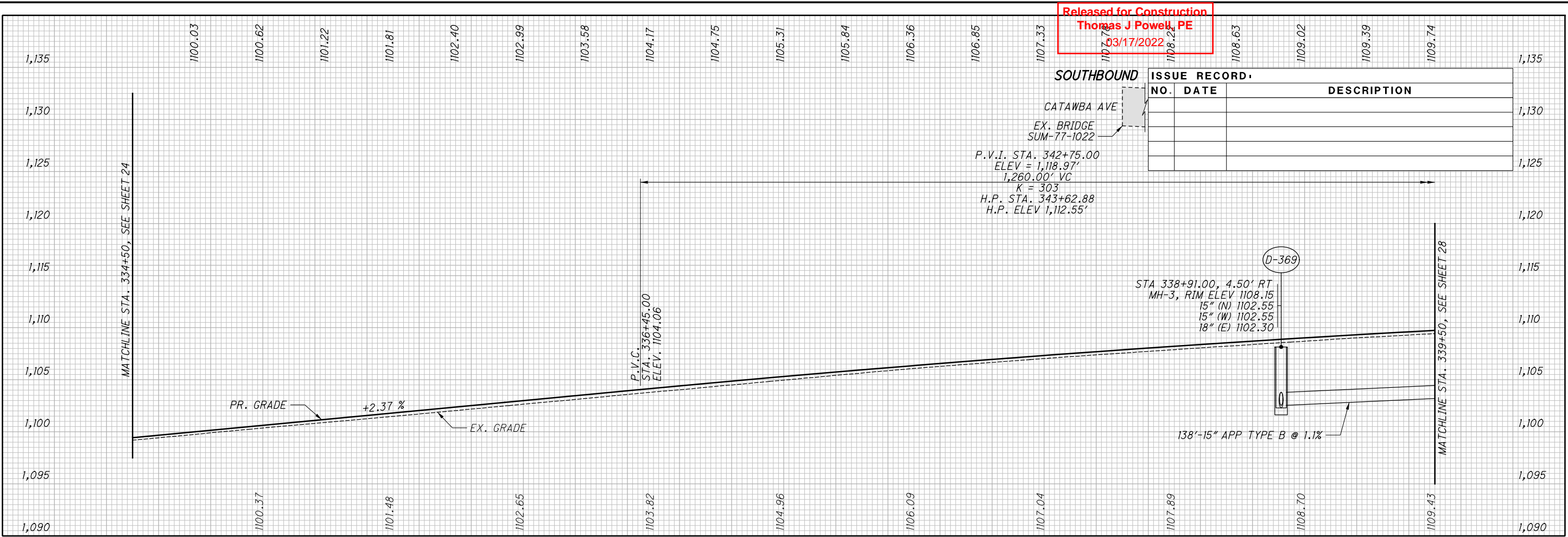
CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 26
 FOR I-77 CROSS SECTIONS, SEE SHEETS 111 - 116
 FOR BARRIER DETAILS, SEE SHEET 274

PT. A =
 STA. 338+98.57, 62.90' RT
 PROP. POINT OF MIN. VERTICAL CLEARANCE = 16.85'

PLAN - I.R. 77
 STA. 334+50 TO STA. 339+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

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Thomas J Powell, PE
03/17/2022



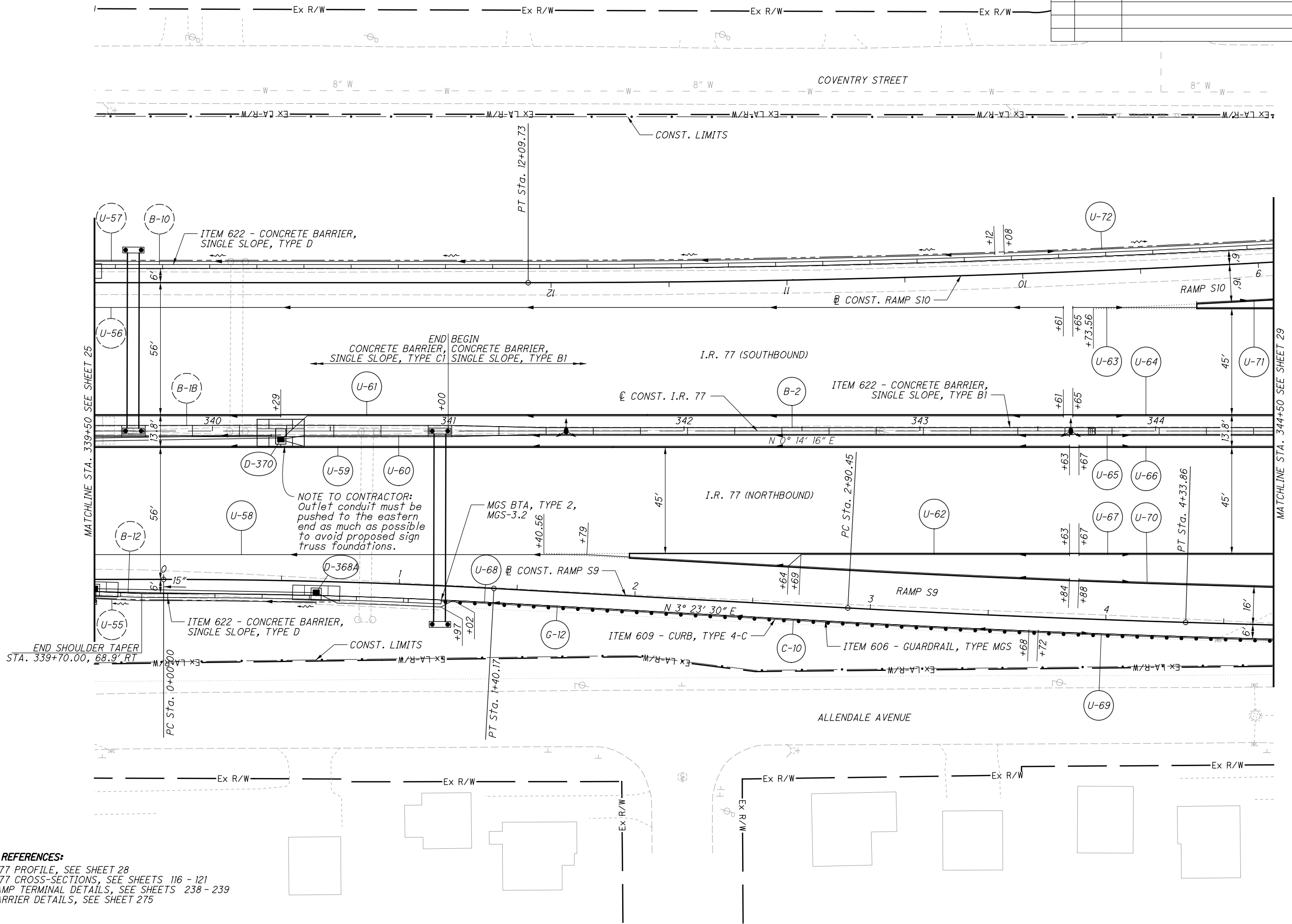
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
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SRB

0 20 40
10
HORIZONTAL
SCALE IN FEET

N

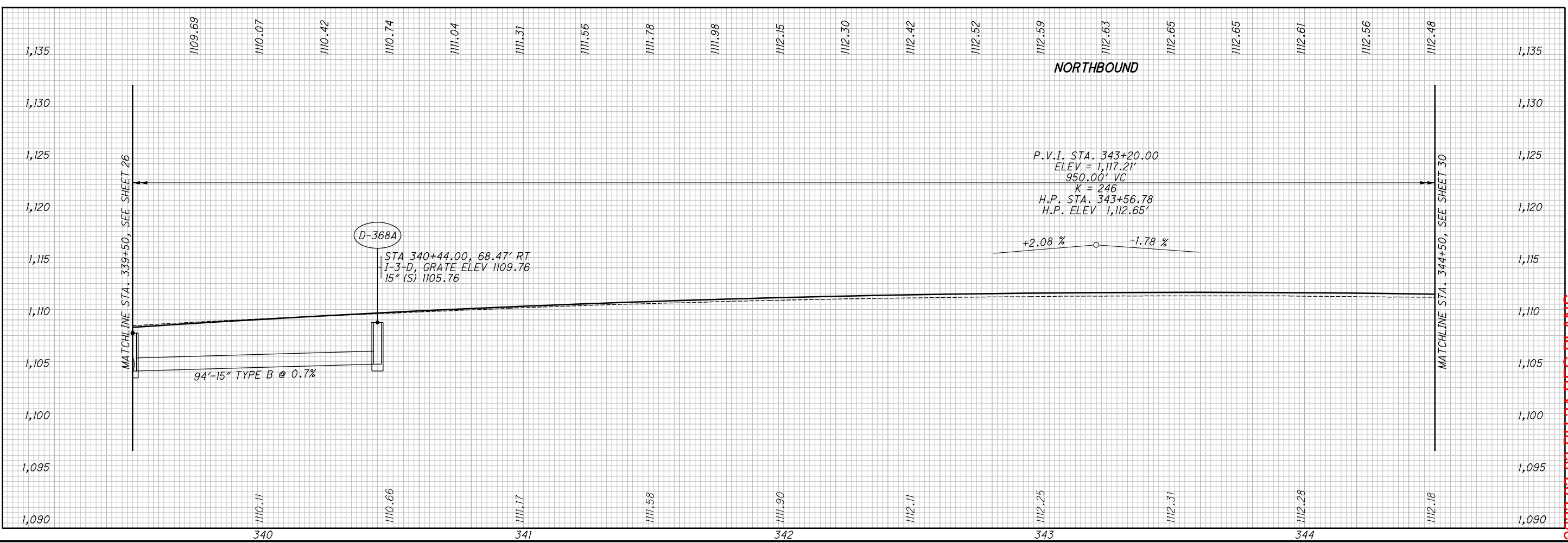
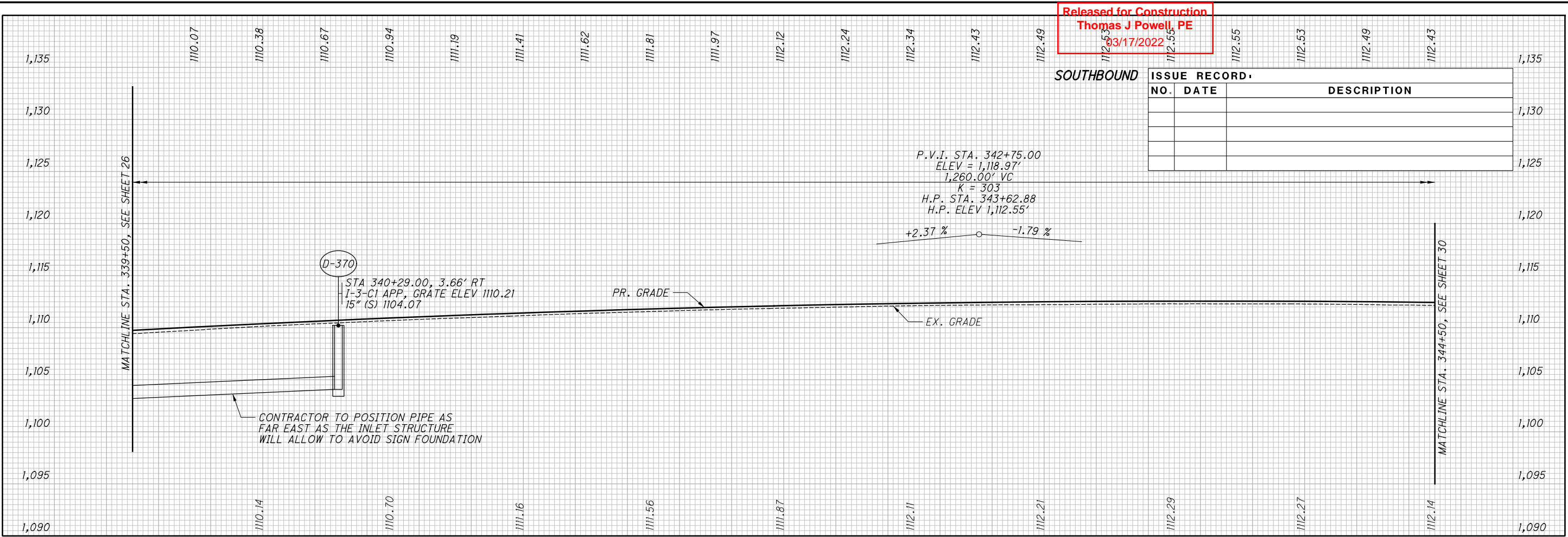


CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 28
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 116 - 121
 FOR RAMP TERMINAL DETAILS, SEE SHEETS 238 - 239
 FOR BARRIER DETAILS, SEE SHEET 275

PLAN - I.R. 77
 STA. 339+50 TO STA. 344+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

27
298



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Thomas J Powell, PE
03/17/2022

ISSUE RECORD:

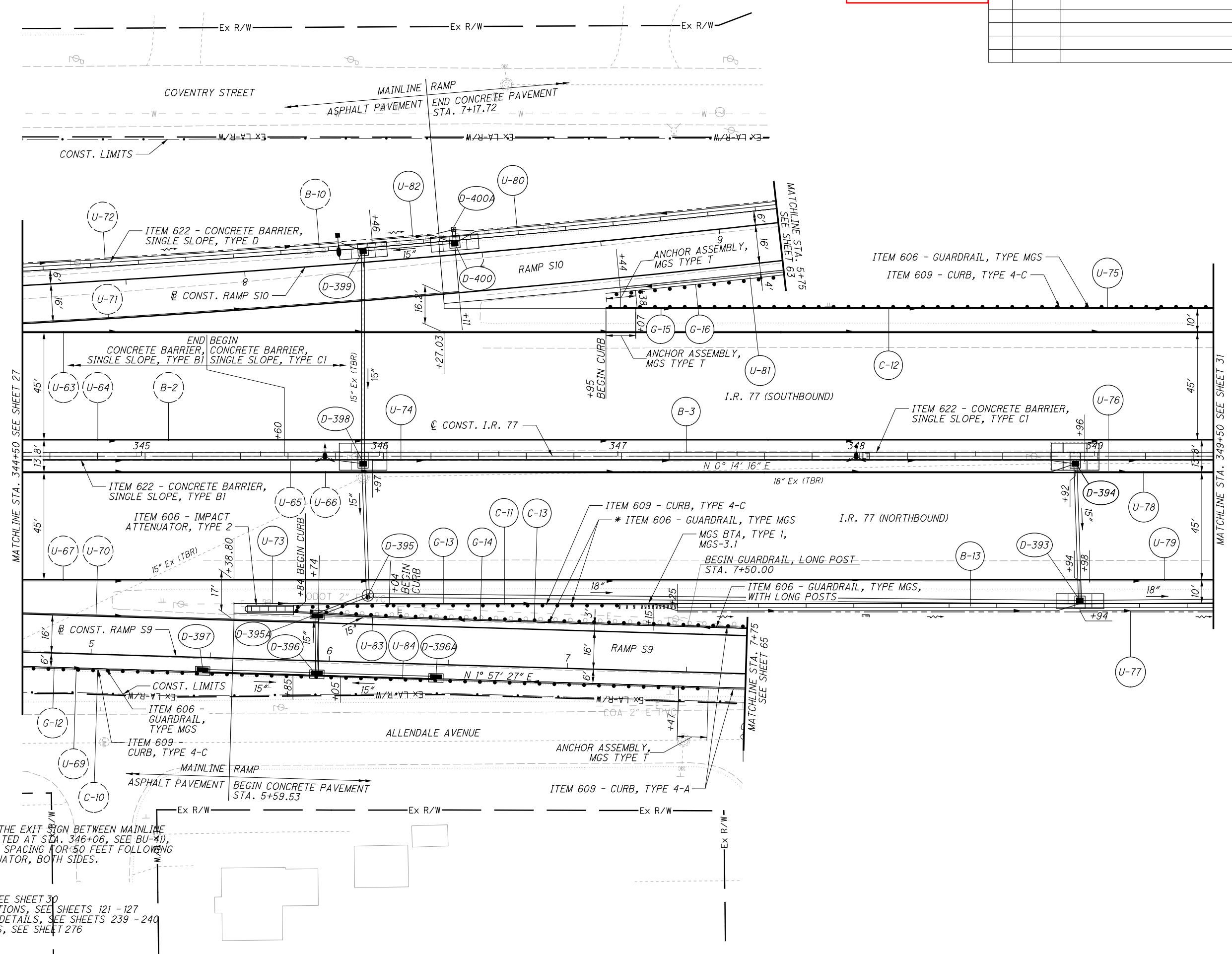
NO.	DATE	DESCRIPTION

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
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CHECKED
SRB

HORIZONTAL SCALE IN FEET



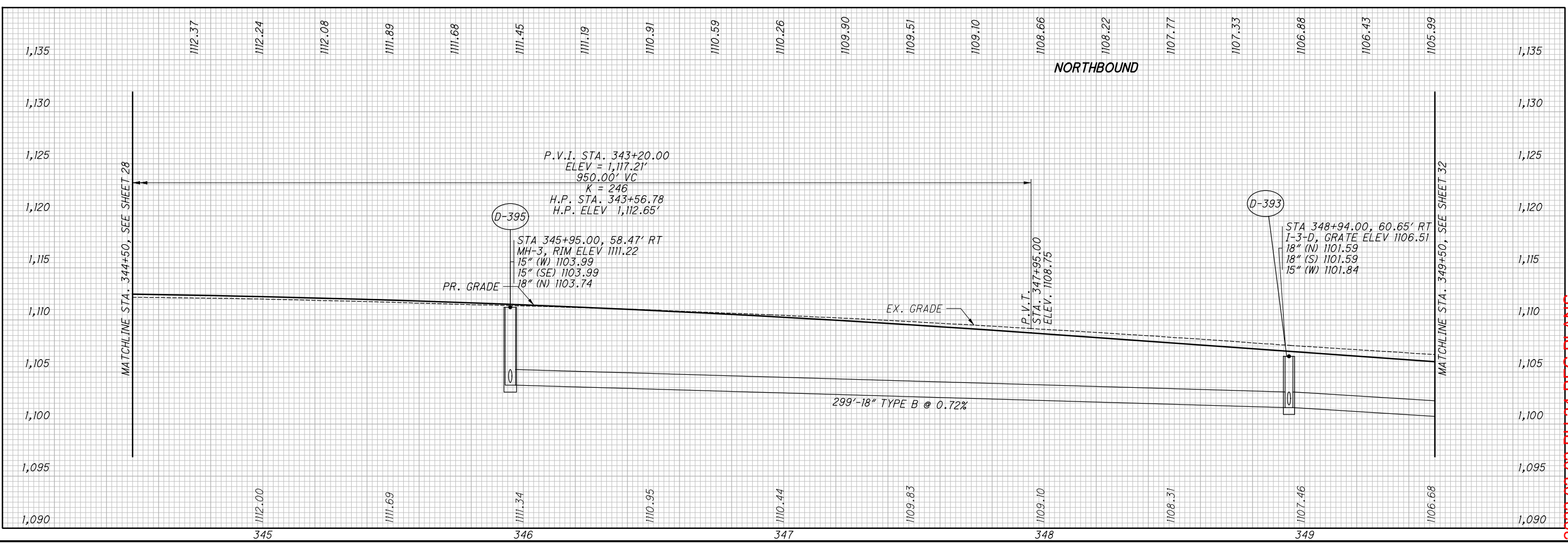
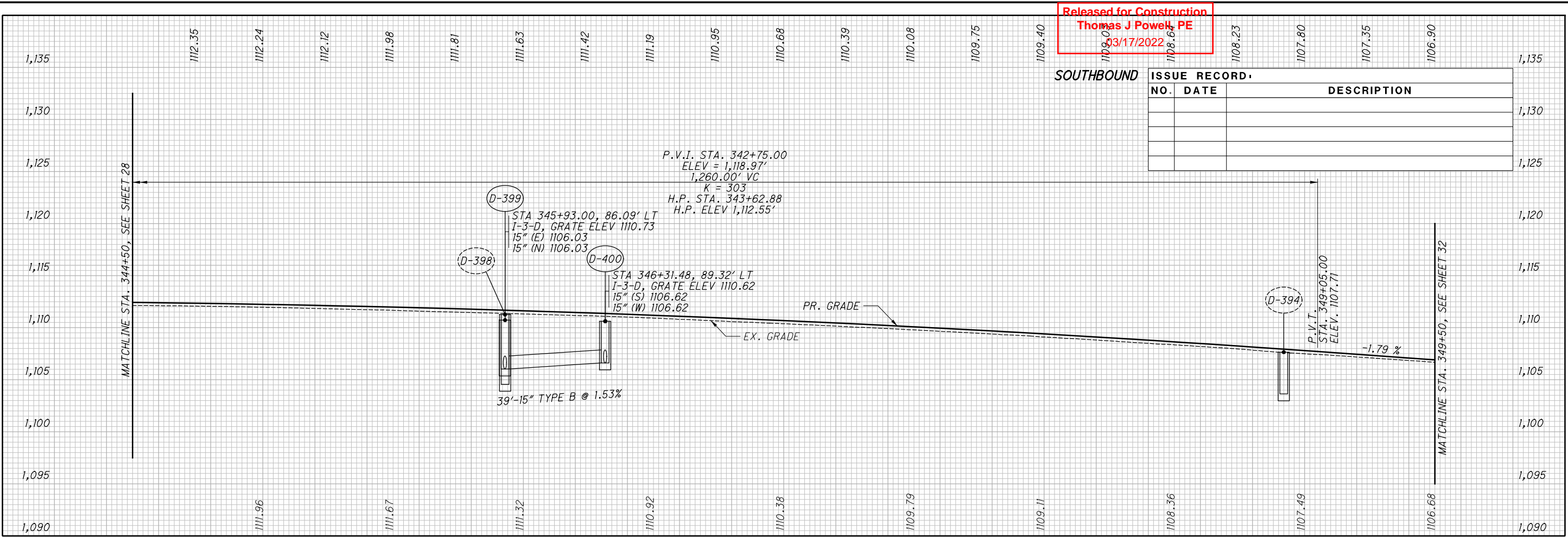
* TO HELP PROTECT THE EXIT SIGN BETWEEN MAINLINE AND RAMP S9 (LOCATED AT STA. 346+06, SEE BU-41), USE QUARTER POST SPACING FOR 50 FEET FOLLOWING THE IMPACT ATTENUATOR, BOTH SIDES.

CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 30
 FOR I-77 CROSS SECTIONS, SEE SHEETS 121 - 127
 FOR RAMP TERMINAL DETAILS, SEE SHEETS 239 - 240
 FOR BARRIER DETAILS, SEE SHEET 276

PLAN - I.R. 77
 STA. 344+50 TO STA. 349+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

29
298



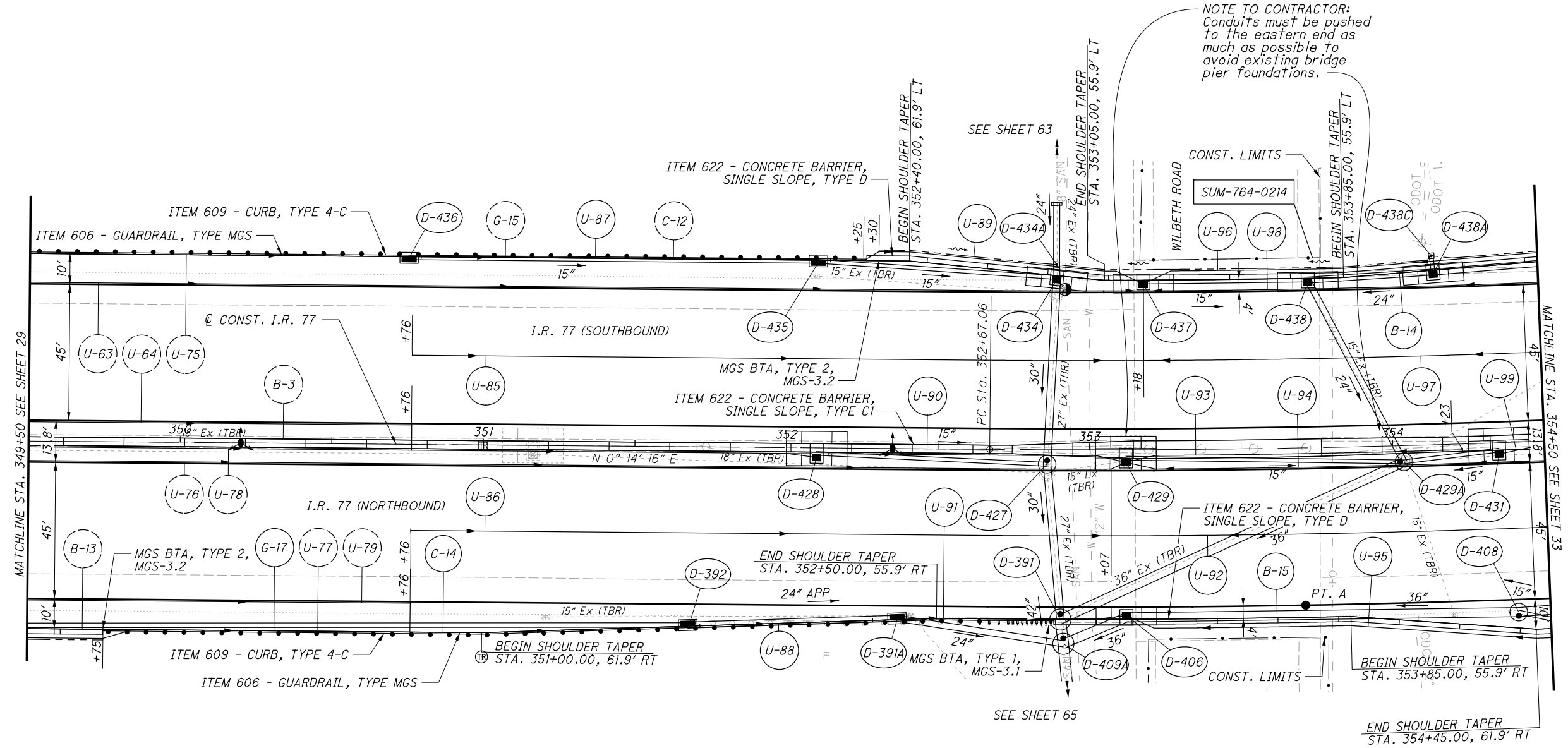
Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:

NO.	DATE	DESCRIPTION

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



NOTE TO CONTRACTOR:
Conduits must be pushed to the eastern end as much as possible to avoid existing bridge pier foundations.

SEE SHEET 63

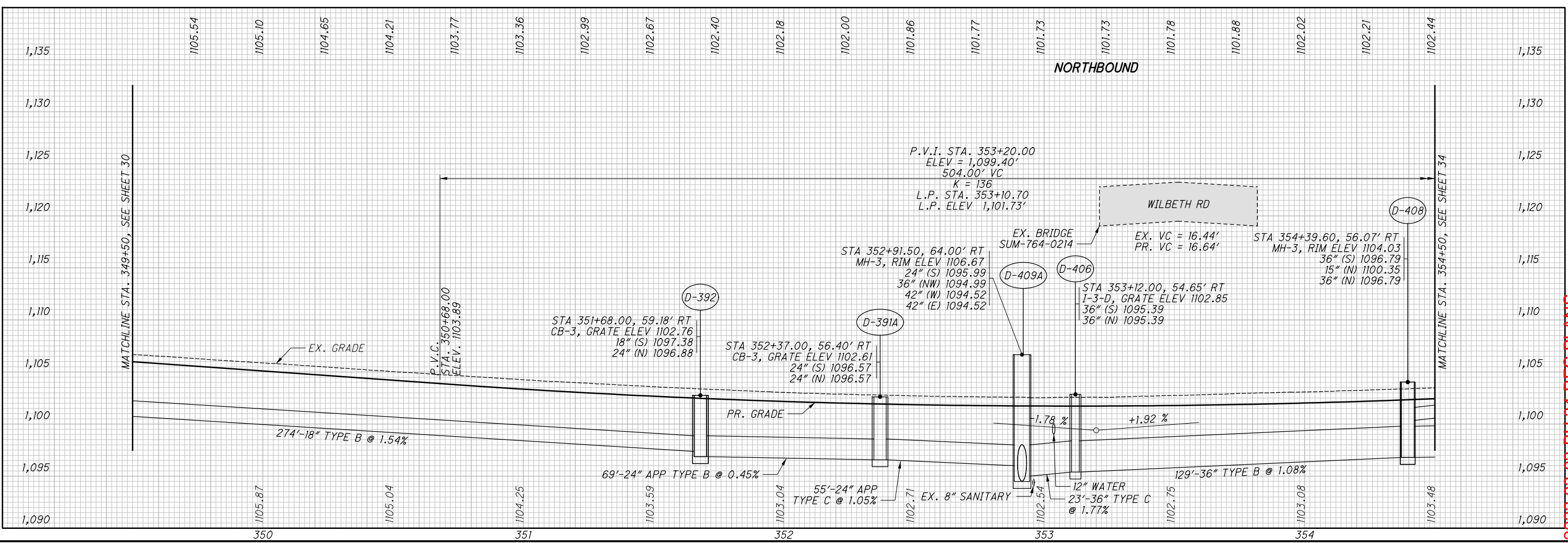
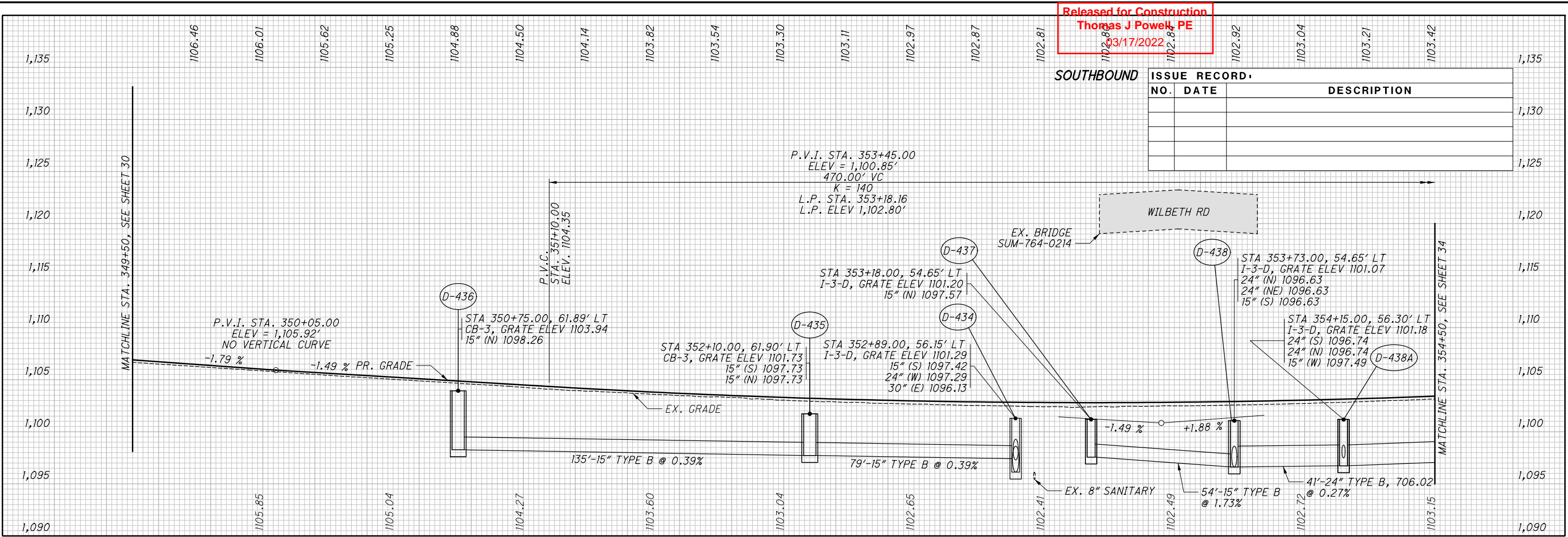
SEE SHEET 65

CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 32
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 127 - 132
 FOR BARRIER DETAILS, SEE SHEET 277
 FOR STORM SEWER PROFILES, SEE SHEET 264

PT. A =
 STA. 353+70.40, 51.90' RT
 PROP. POINT OF MIN. VERTICAL CLEARANCE = 16.64'

PLAN - I.R. 77
 STA. 349+50 TO STA. 354+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 31
 298

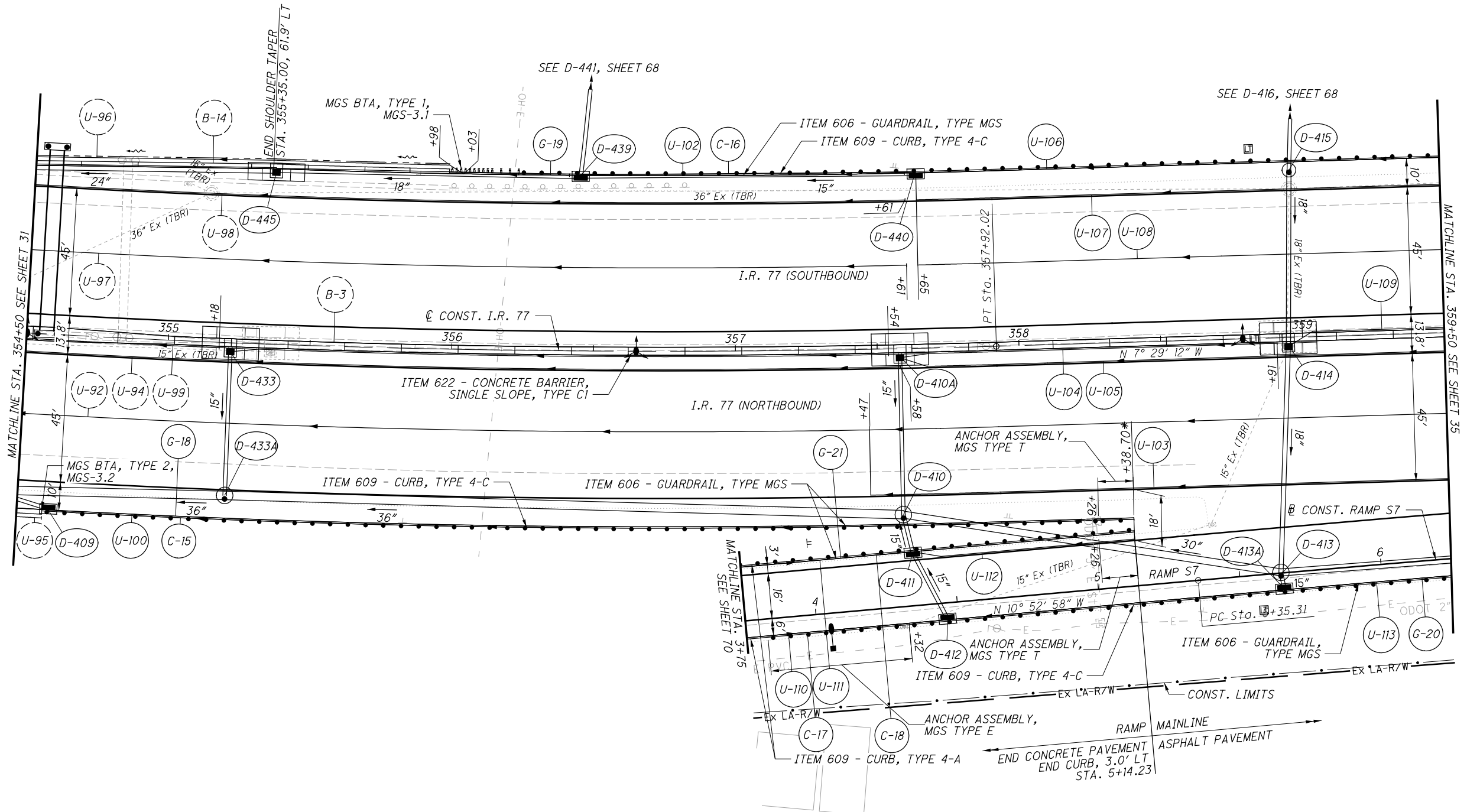


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Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

Released for Construction
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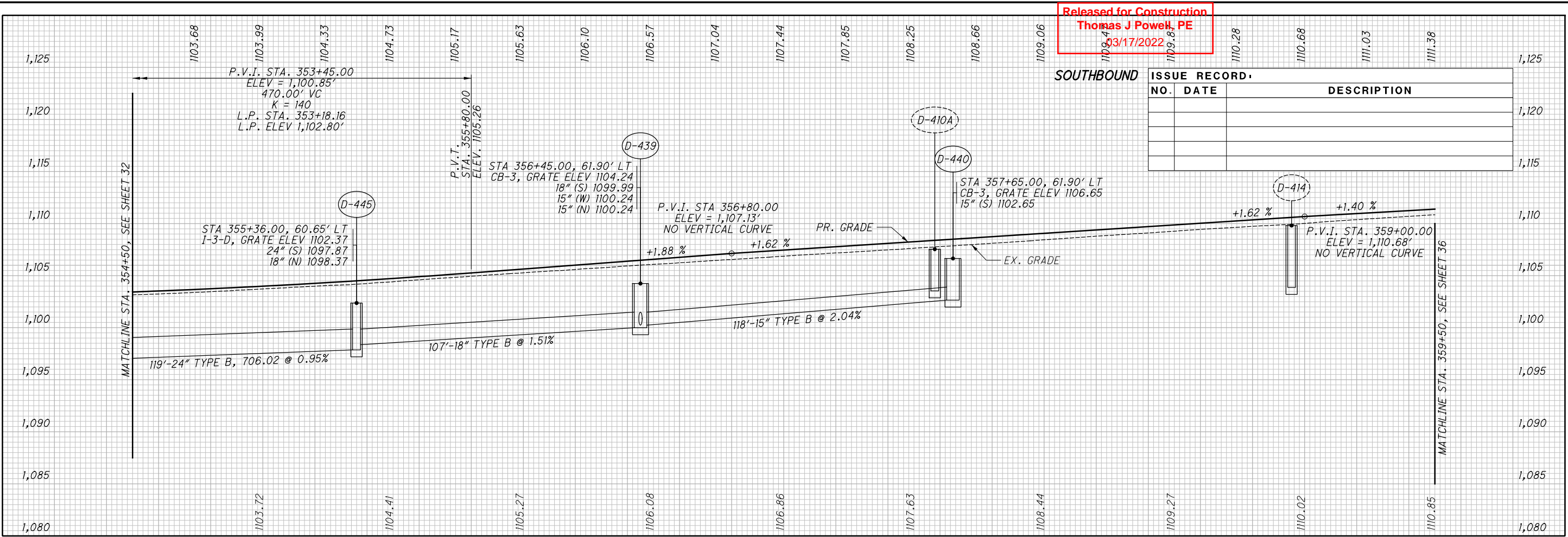
ISSUE RECORD:		
NO.	DATE	DESCRIPTION



CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 34
 FOR I-77 CROSS SECTIONS, SEE SHEETS 132 - 137
 FOR RAMP TERMINAL DETAILS, SEE SHEET 242
 FOR BARRIER DETAILS, SEE SHEET 278

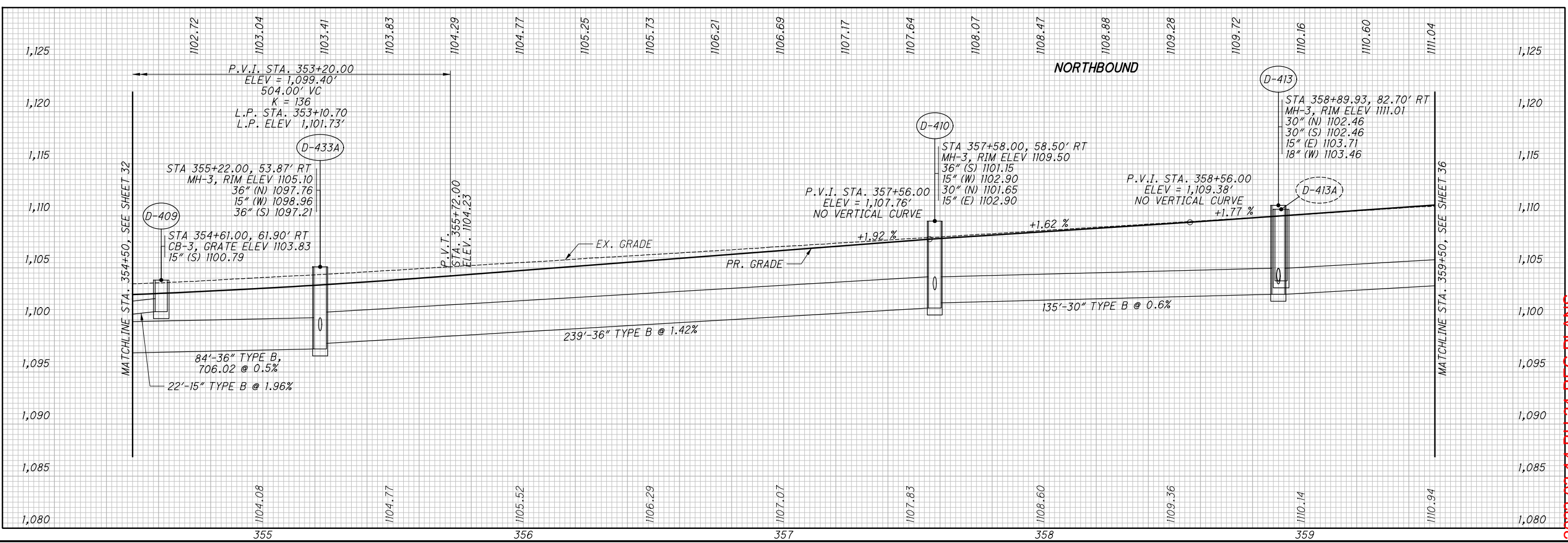
*END CURB AT PHYSICAL NOSE OF GORE

2022-03-02-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 PLAN - I.R. 77
 STA. 354+50 TO STA. 359+50
 33
 298



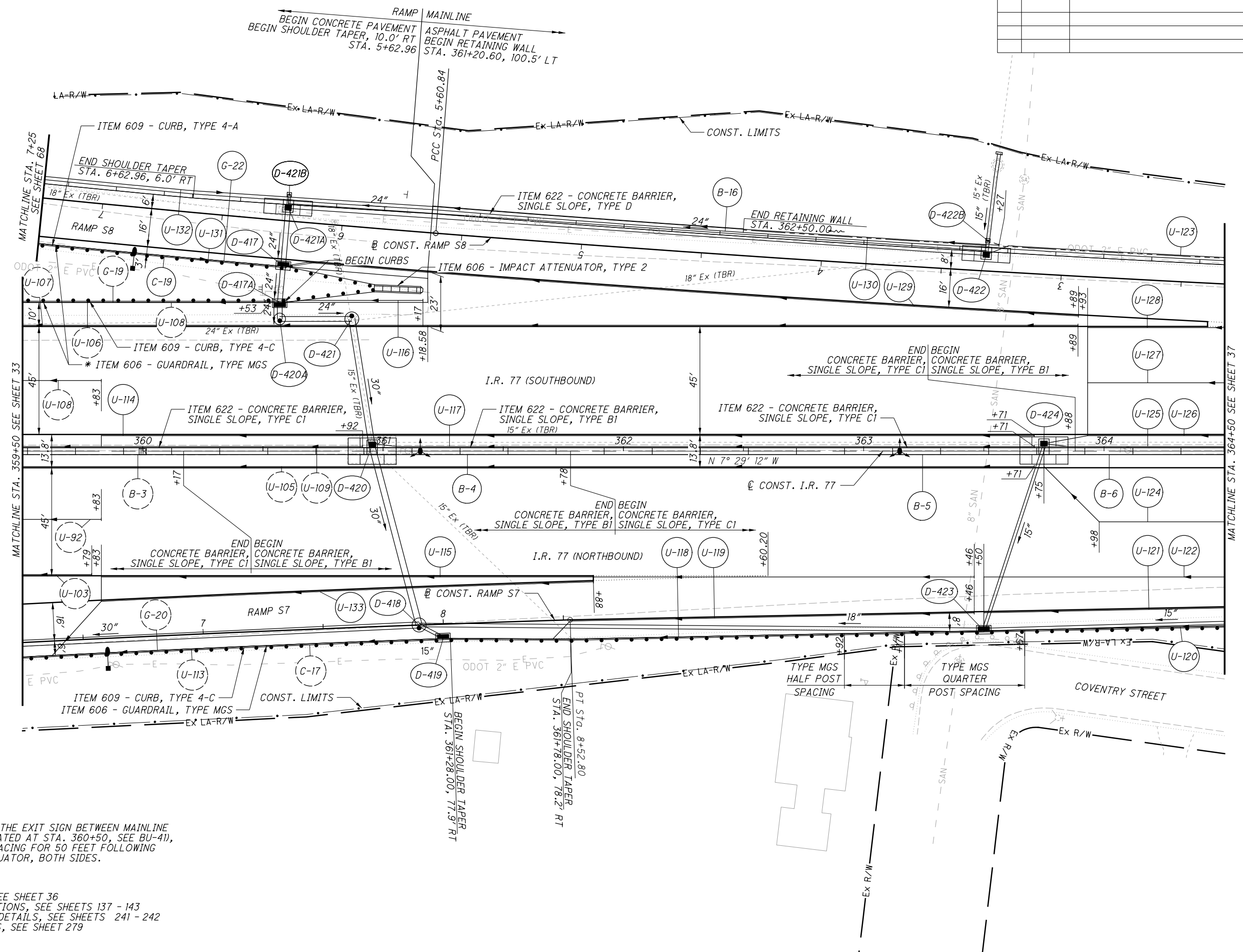
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

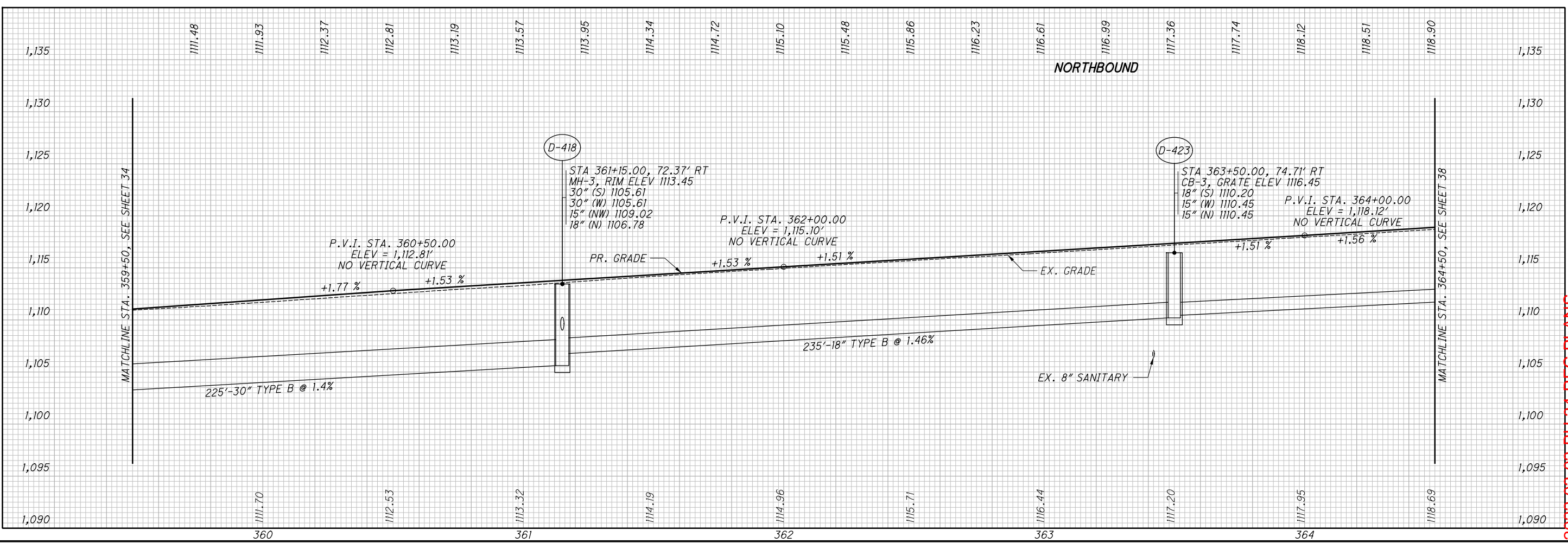
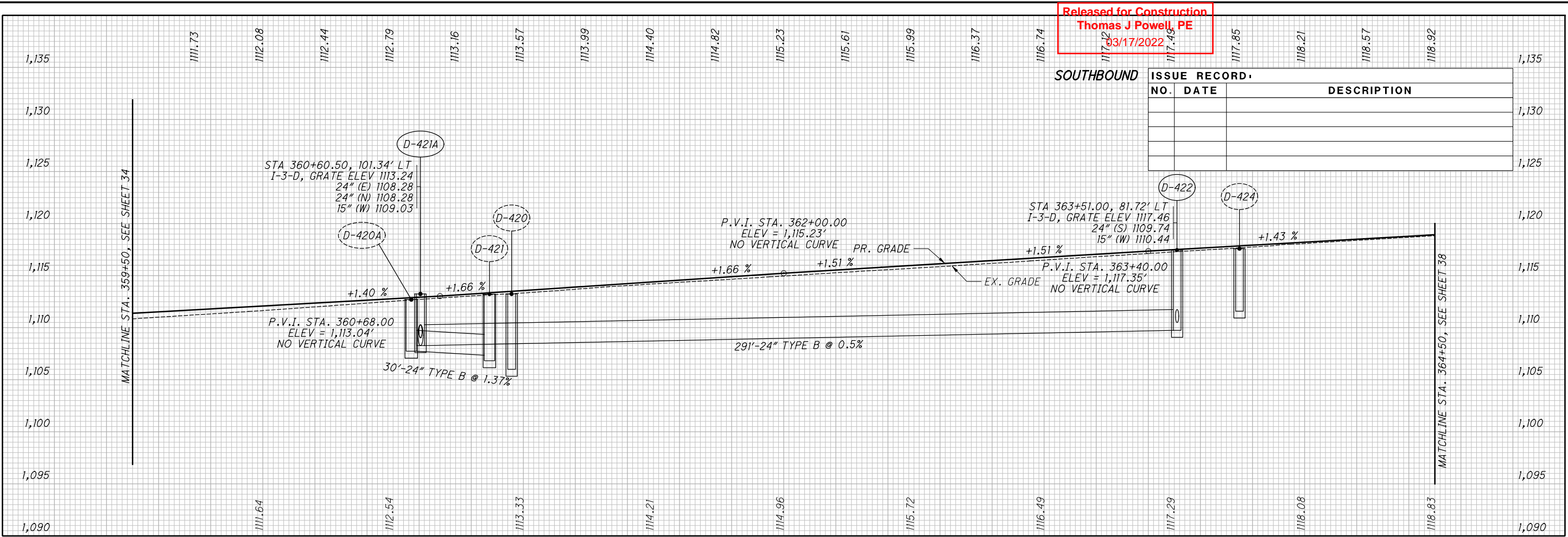


* TO HELP PROTECT THE EXIT SIGN BETWEEN MAINLINE AND RAMP S8 (LOCATED AT STA. 360+50, SEE BU-41), USE HALF POST SPACING FOR 50 FEET FOLLOWING THE IMPACT ATTENUATOR, BOTH SIDES.

CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 36
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 137 - 143
 FOR RAMP TERMINAL DETAILS, SEE SHEETS 241 - 242
 FOR BARRIER DETAILS, SEE SHEET 279

PLAN - I.R. 77
STA. 359+50 TO STA. 364+50

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
35
298



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 03/17/2022

SOUTHBOUND

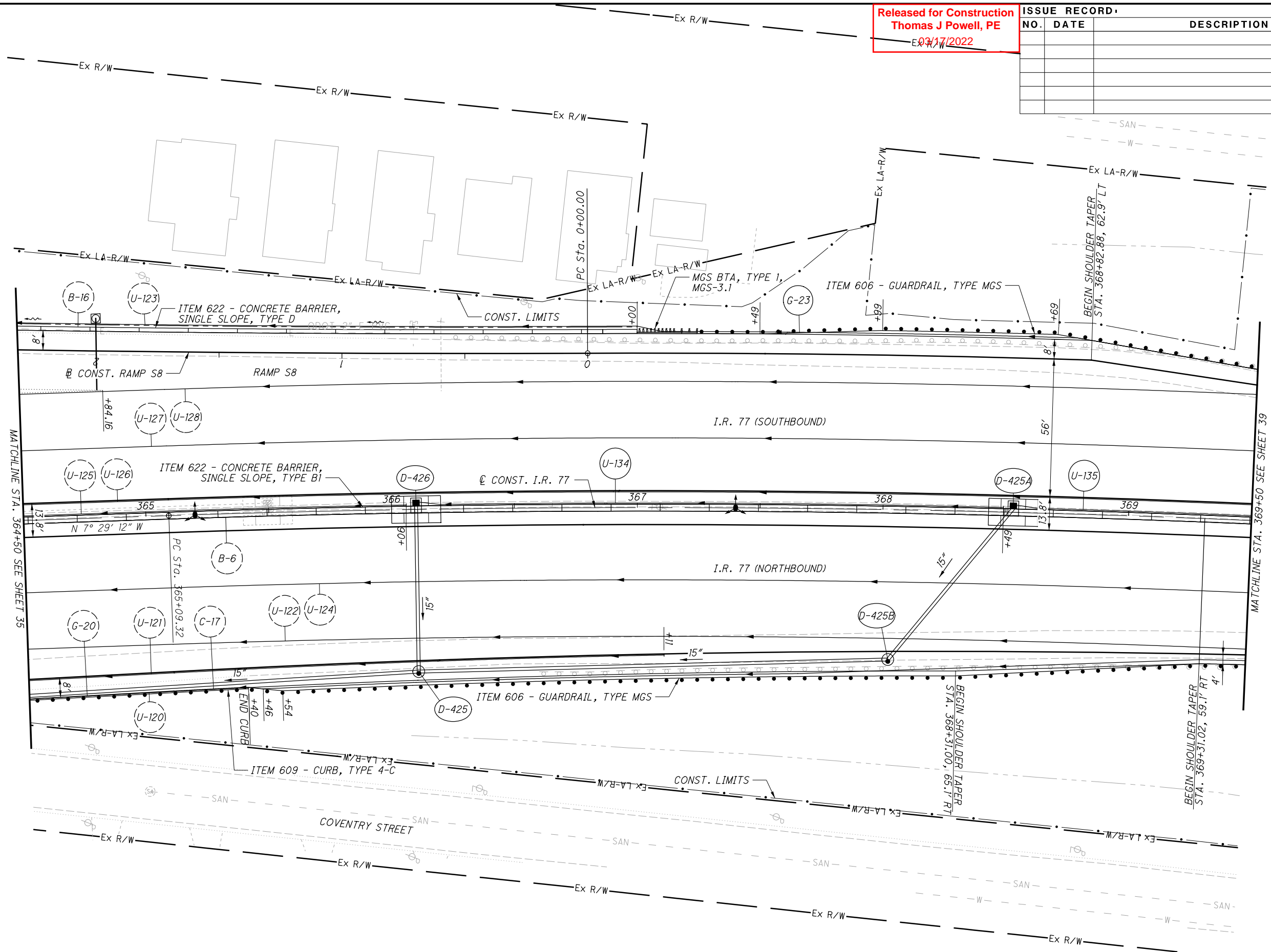
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
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HORIZONTAL
SCALE IN FEET



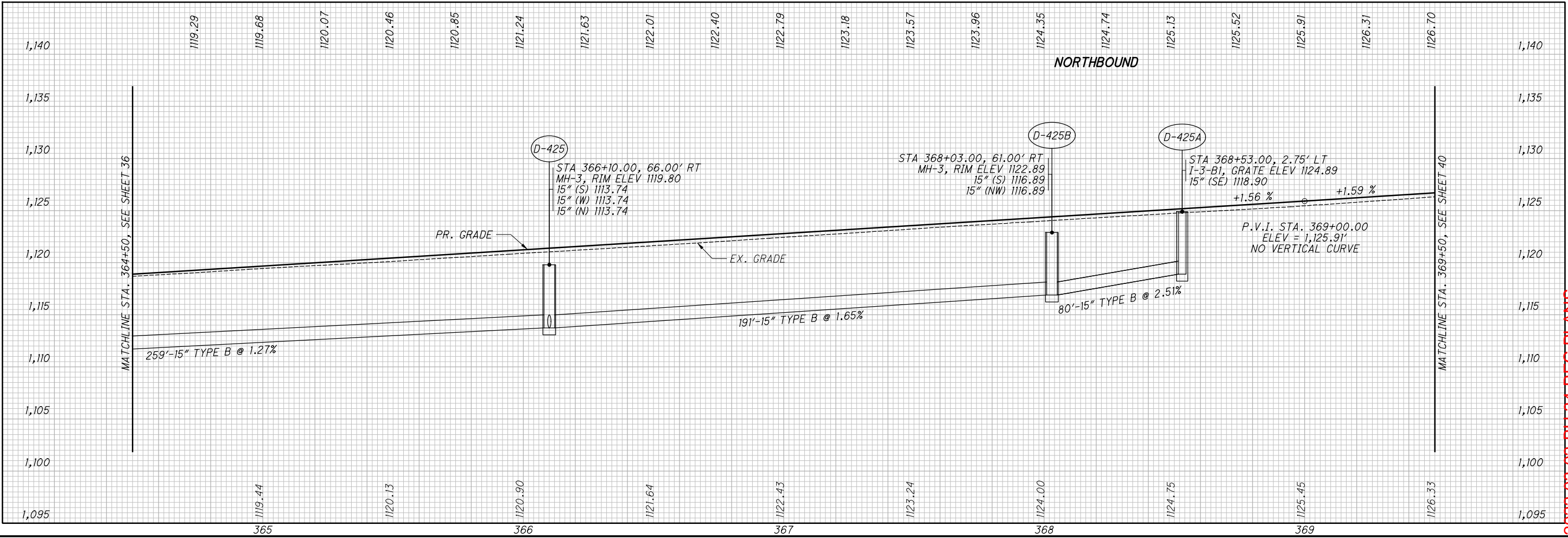
CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 38
 FOR I-77 CROSS SECTIONS, SEE SHEETS 143 - 148
 FOR RAMP TERMINAL DETAILS, SEE SHEET 241
 FOR BARRIER DETAILS, SEE SHEET 280

PLAN - I.R. 77
 STA. 364+50 TO STA. 369+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

37
298

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03/17/2022



CALCULATED SGM CHECKED JDD

PROFILE - I.R. 77
STA. 364+50 TO STA. 369+50

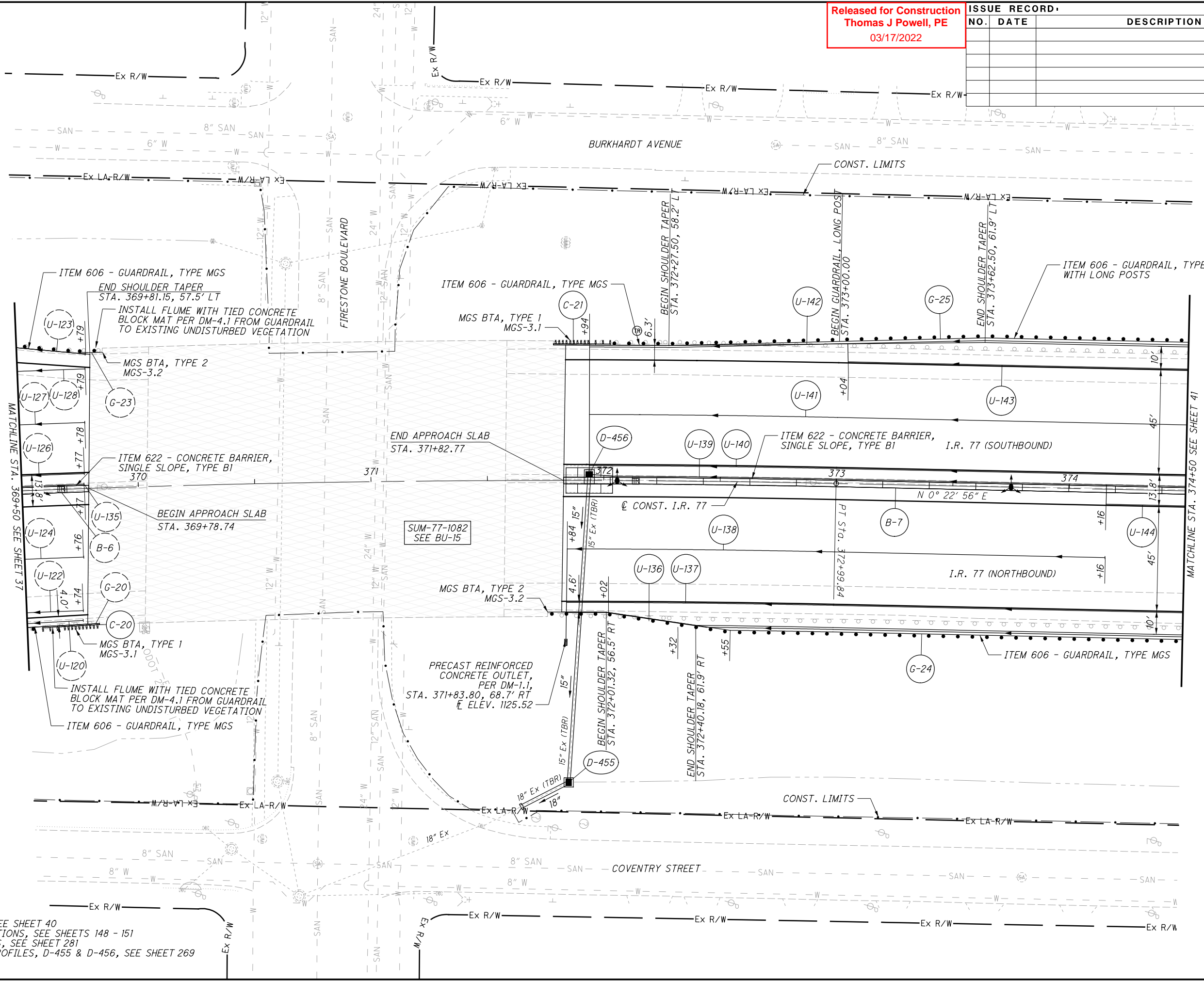
2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
38
298

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

0 20 40
HORIZONTAL
SCALE IN FEET

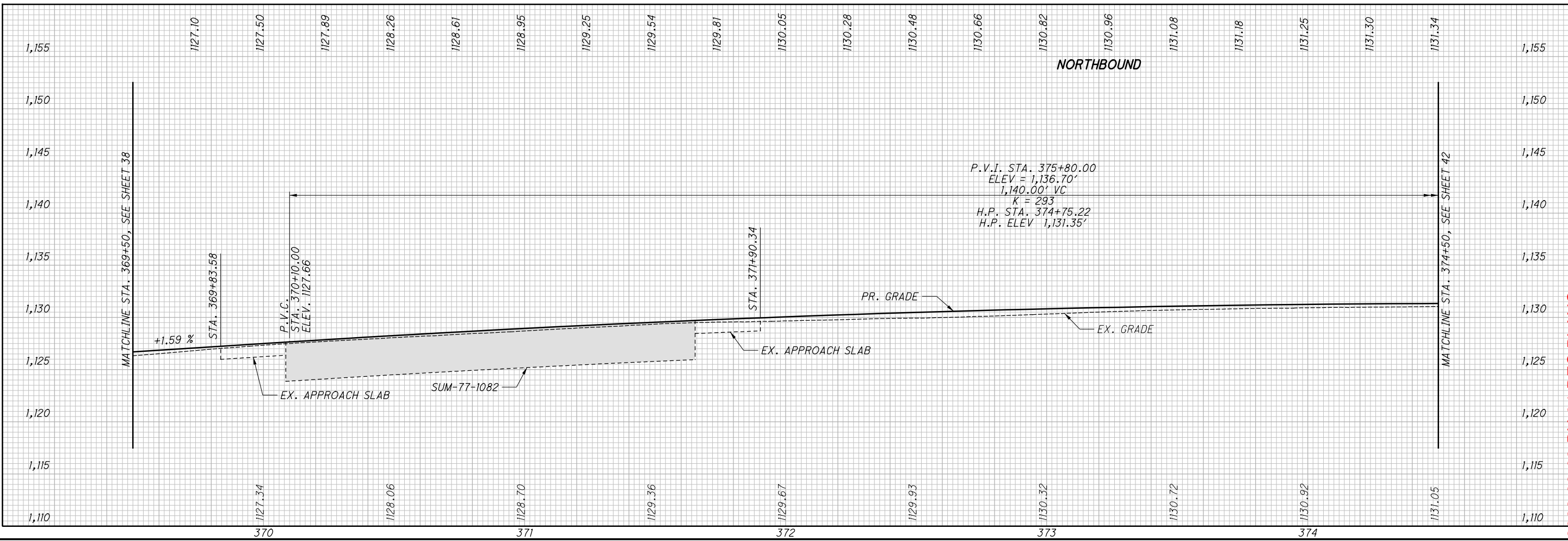
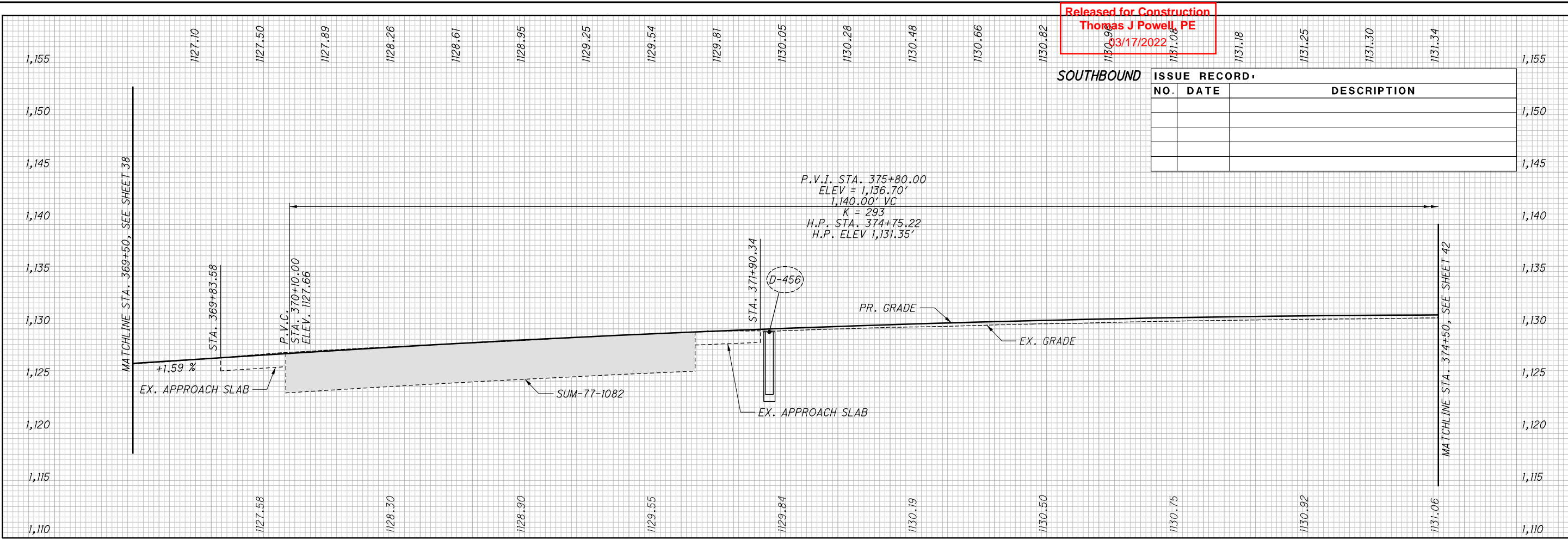


CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 40
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 148 - 151
 FOR BARRIER DETAILS, SEE SHEET 281
 FOR STORM SEWER PROFILES, D-455 & D-456, SEE SHEET 269

PLAN - I.R. 77
 STA. 369+50 TO STA. 374+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

39
298

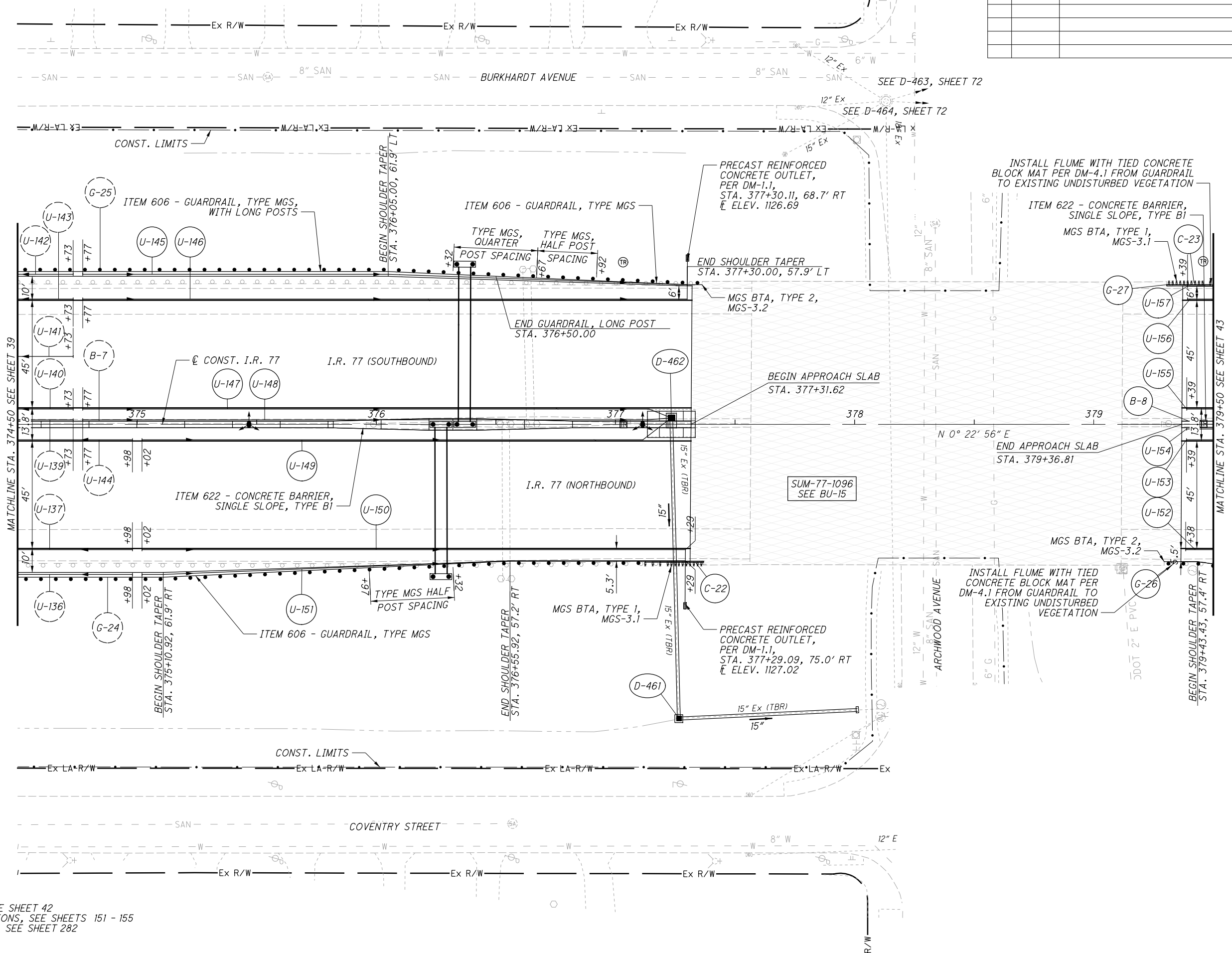


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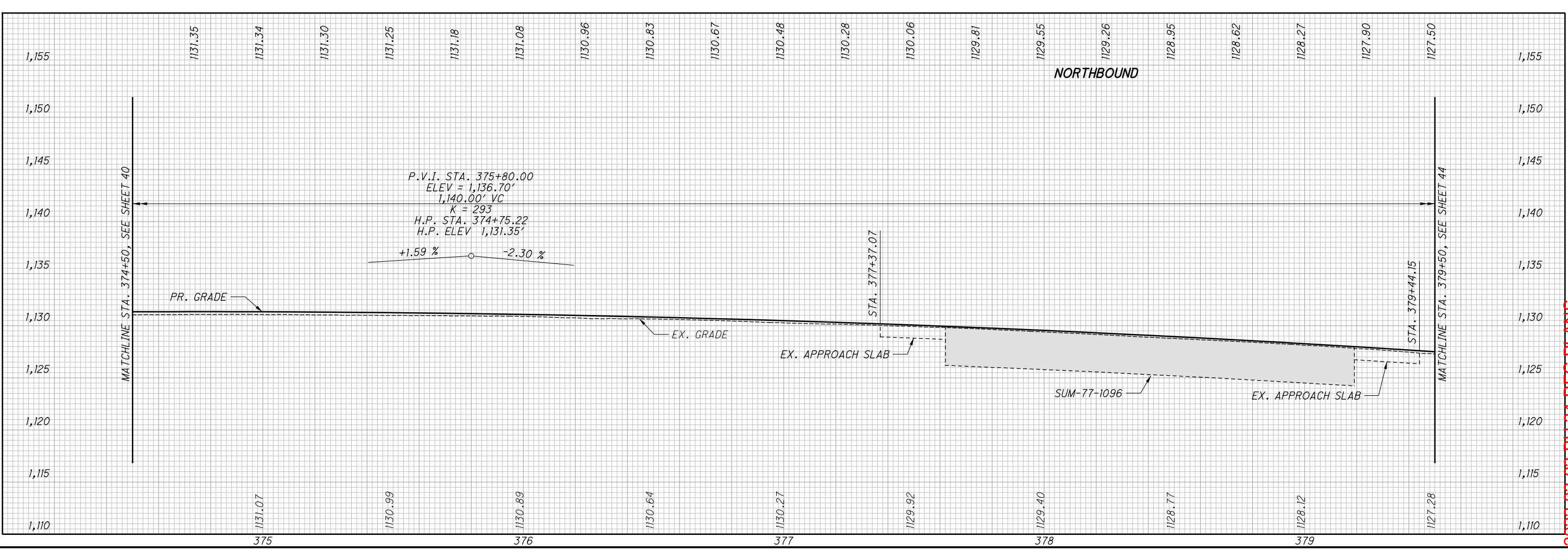
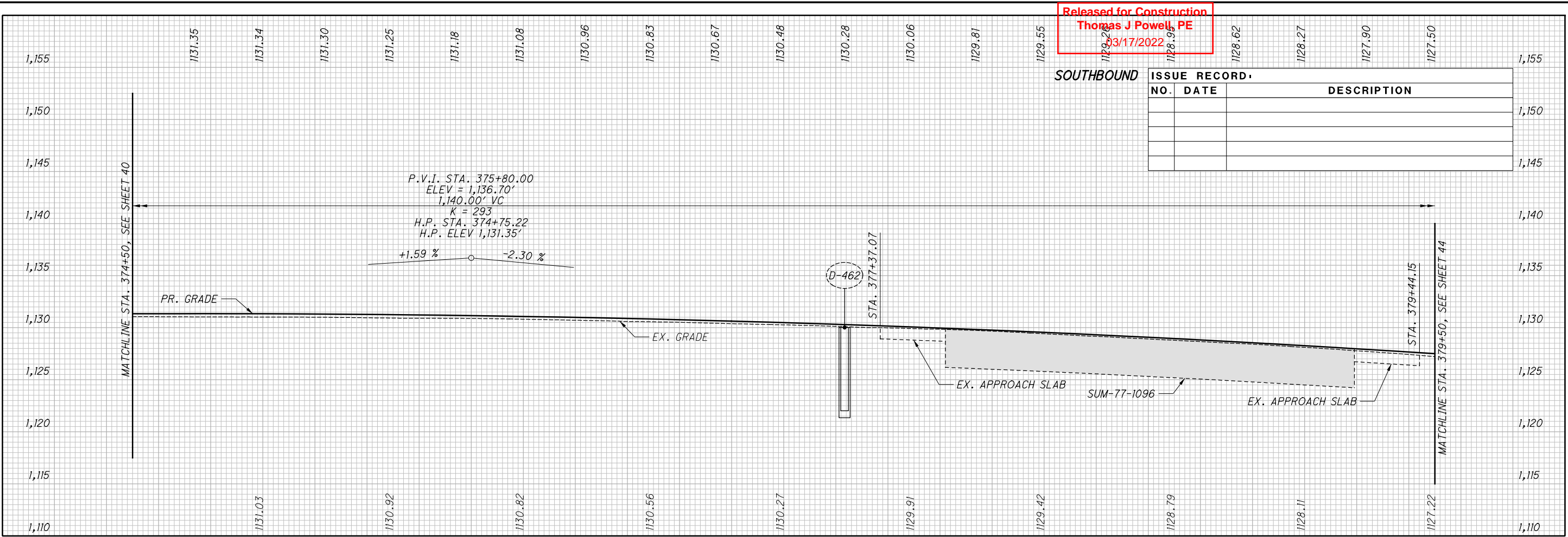
ISSUE RECORD:		
NO.	DATE	DESCRIPTION



CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 42
 FOR I-77 CROSS SECTIONS, SEE SHEETS 151 - 155
 FOR BARRIER DETAILS, SEE SHEET 282

PLAN - I.R. 77
 STA. 374+50 TO STA. 379+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00



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 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

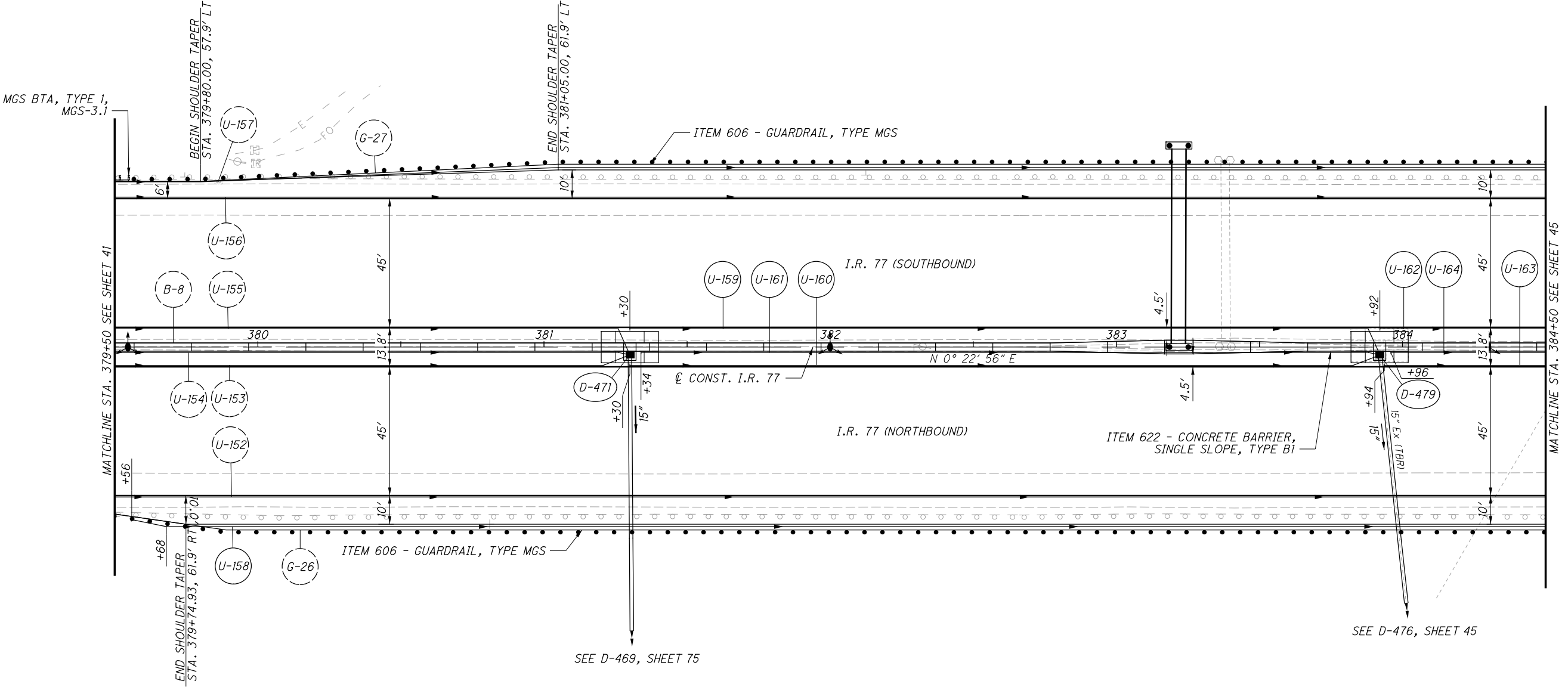
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

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10
HORIZONTAL
SCALE IN FEET

N

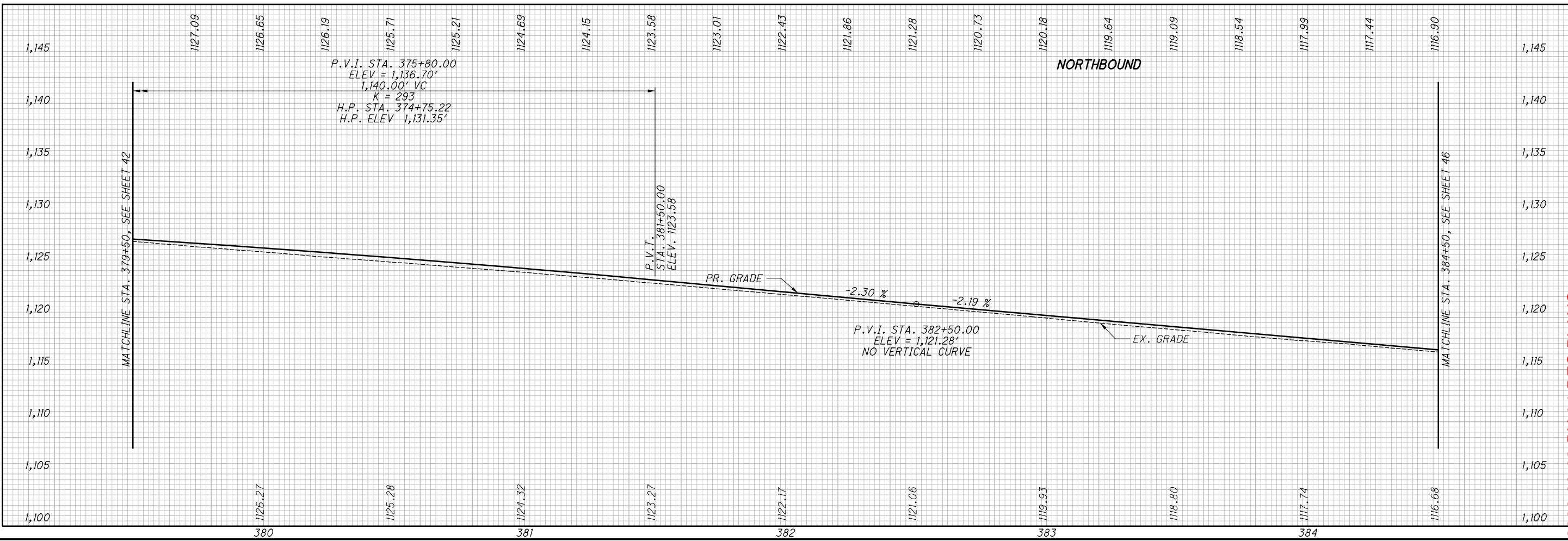
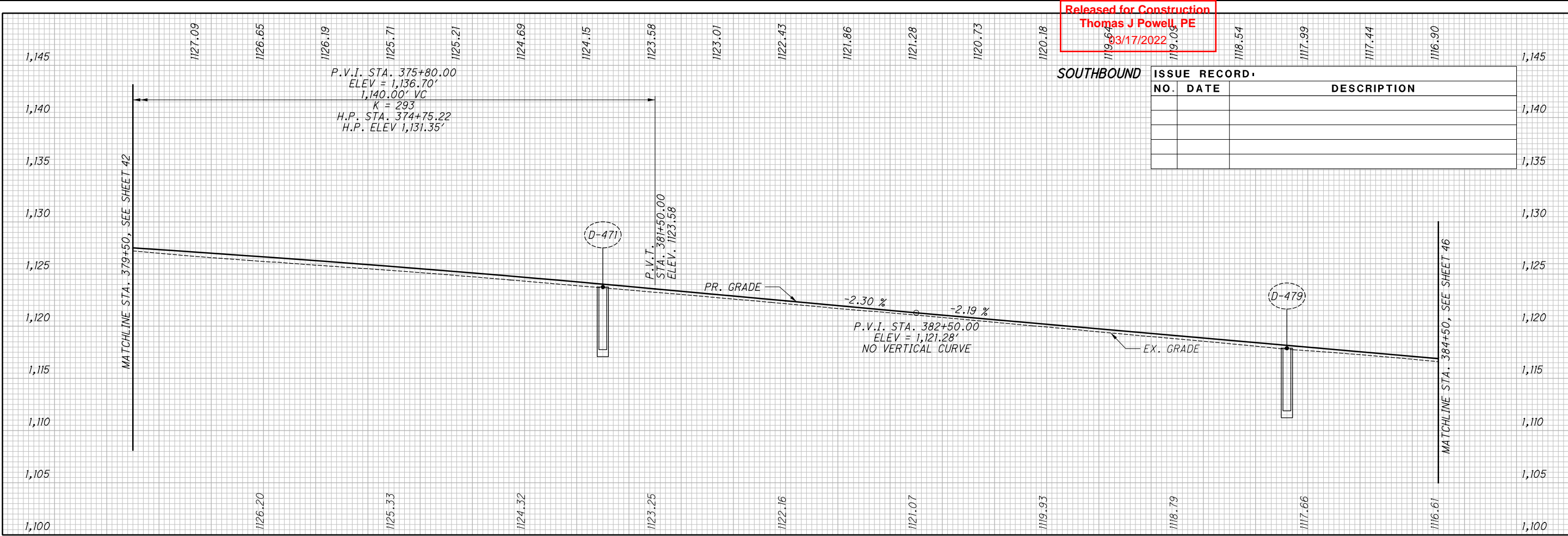


CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 44
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 155 - 160
 FOR BARRIER DETAILS, SEE SHEET 283
 FOR STORM SEWER PROFILE, D-471, SEE SHEET 266

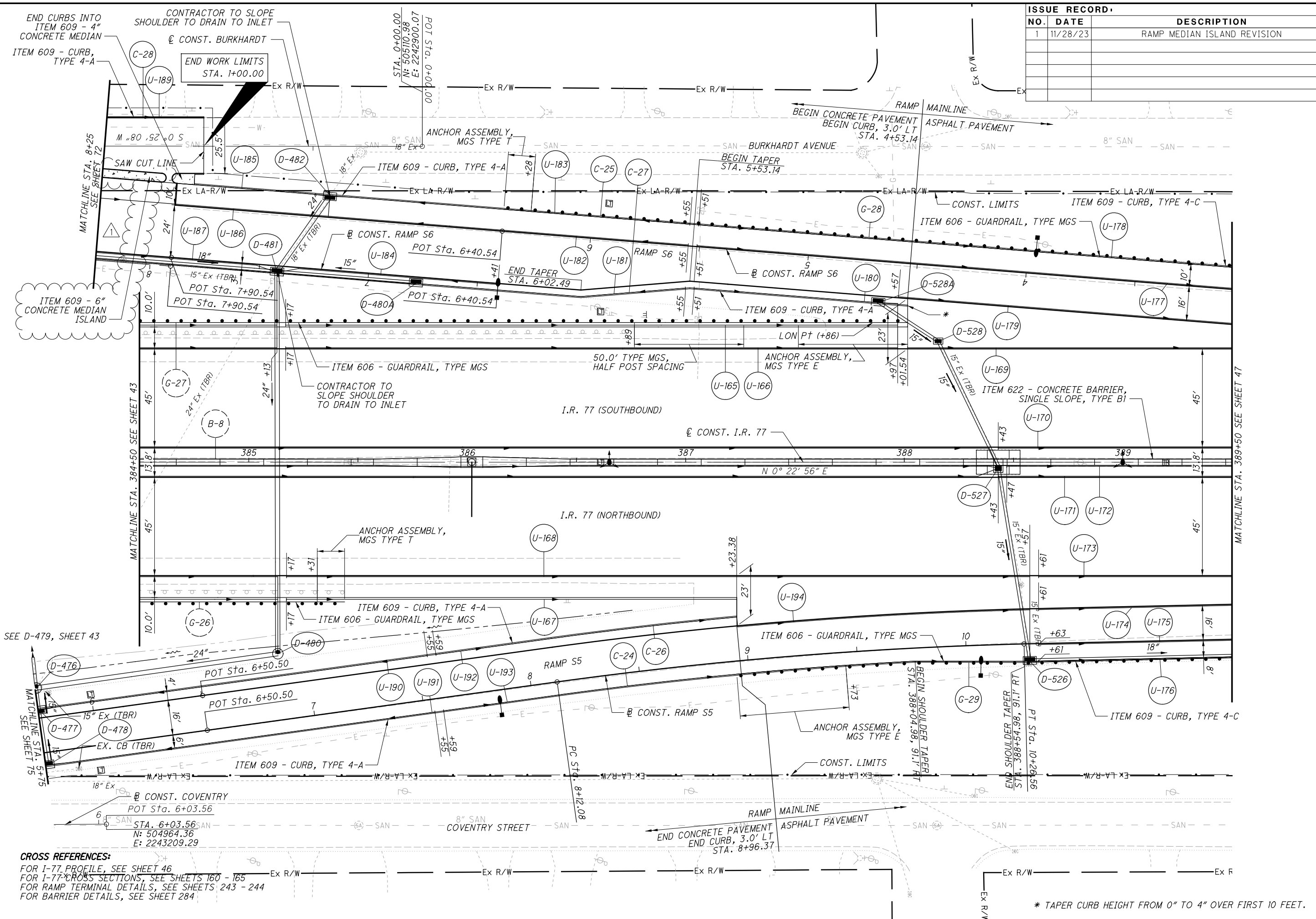
PLAN - I.R. 77
 STA. 379+50 TO STA. 384+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
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ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	11/28/23	RAMP MEDIAN ISLAND REVISION



CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 46
 FOR I-77 CROSS SECTIONS, SEE SHEETS 160 - 165
 FOR RAMP TERMINAL DETAILS, SEE SHEETS 243 - 244
 FOR BARRIER DETAILS, SEE SHEET 284

2024-02-16-BU 34 - RFC PLANS REV02

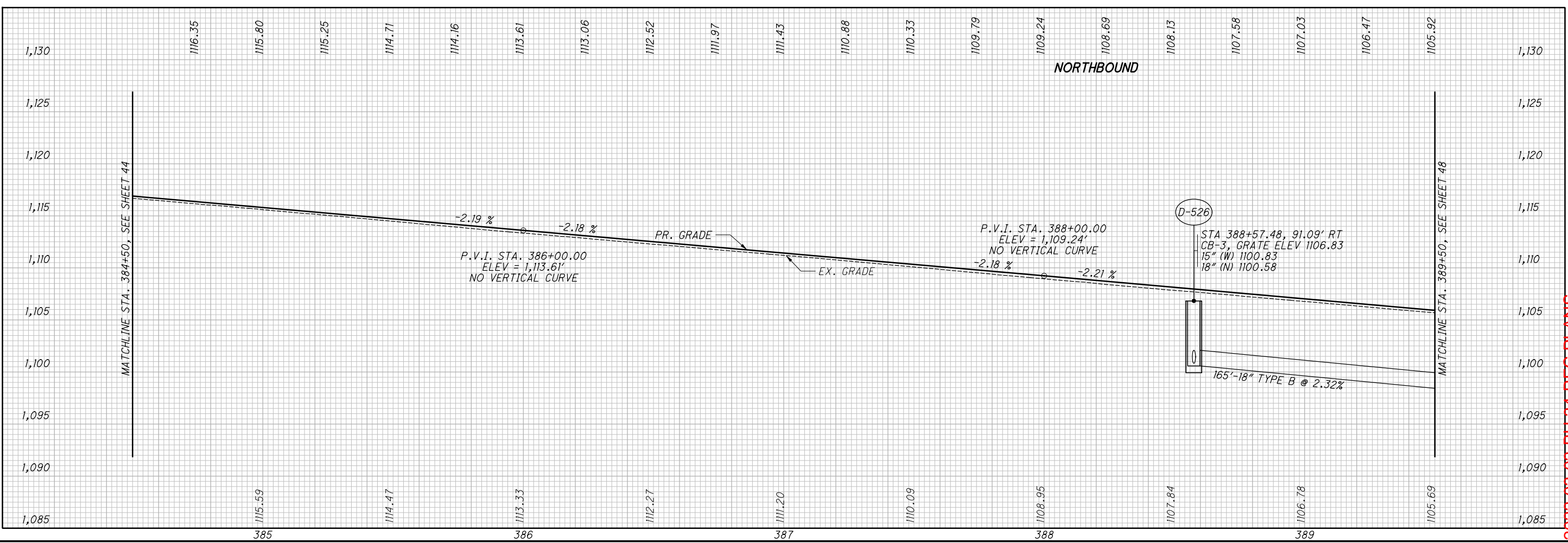
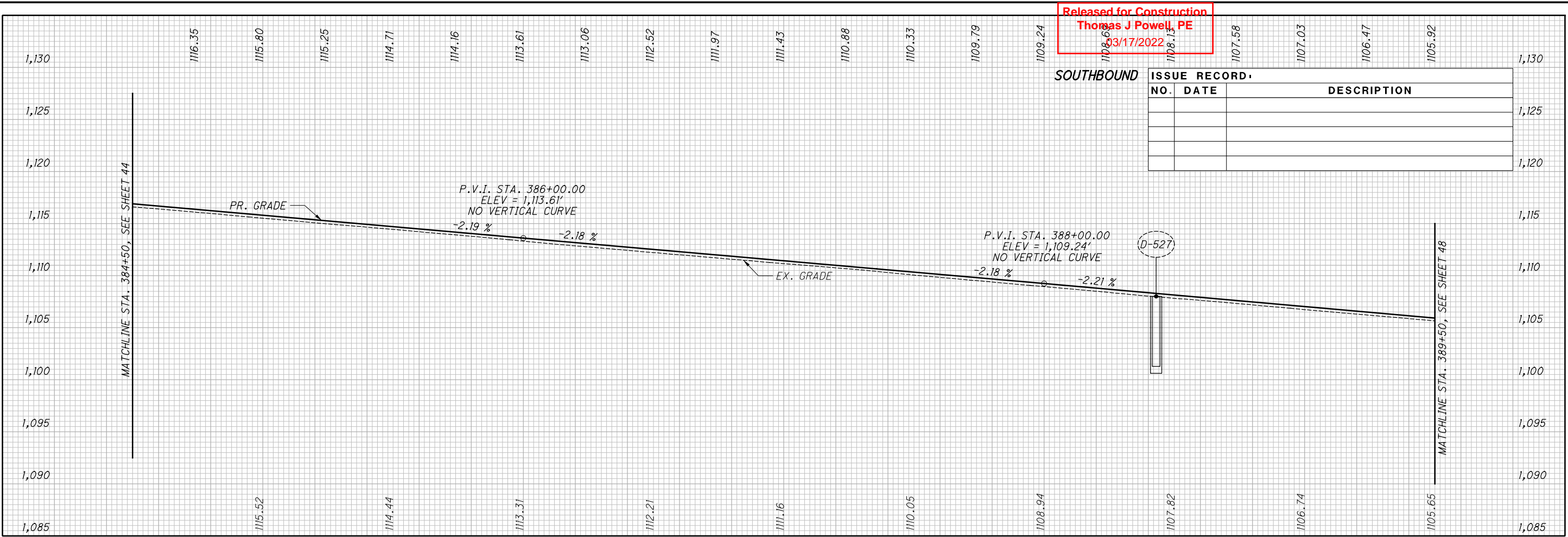
PLAN - I.R. 77
 STA. 384+50 TO STA. 389+50

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

CALCULATED: []
 GLW: []
 CHECKED: SRB

45
298

* TAPER CURB HEIGHT FROM 0" TO 4" OVER FIRST 10 FEET.



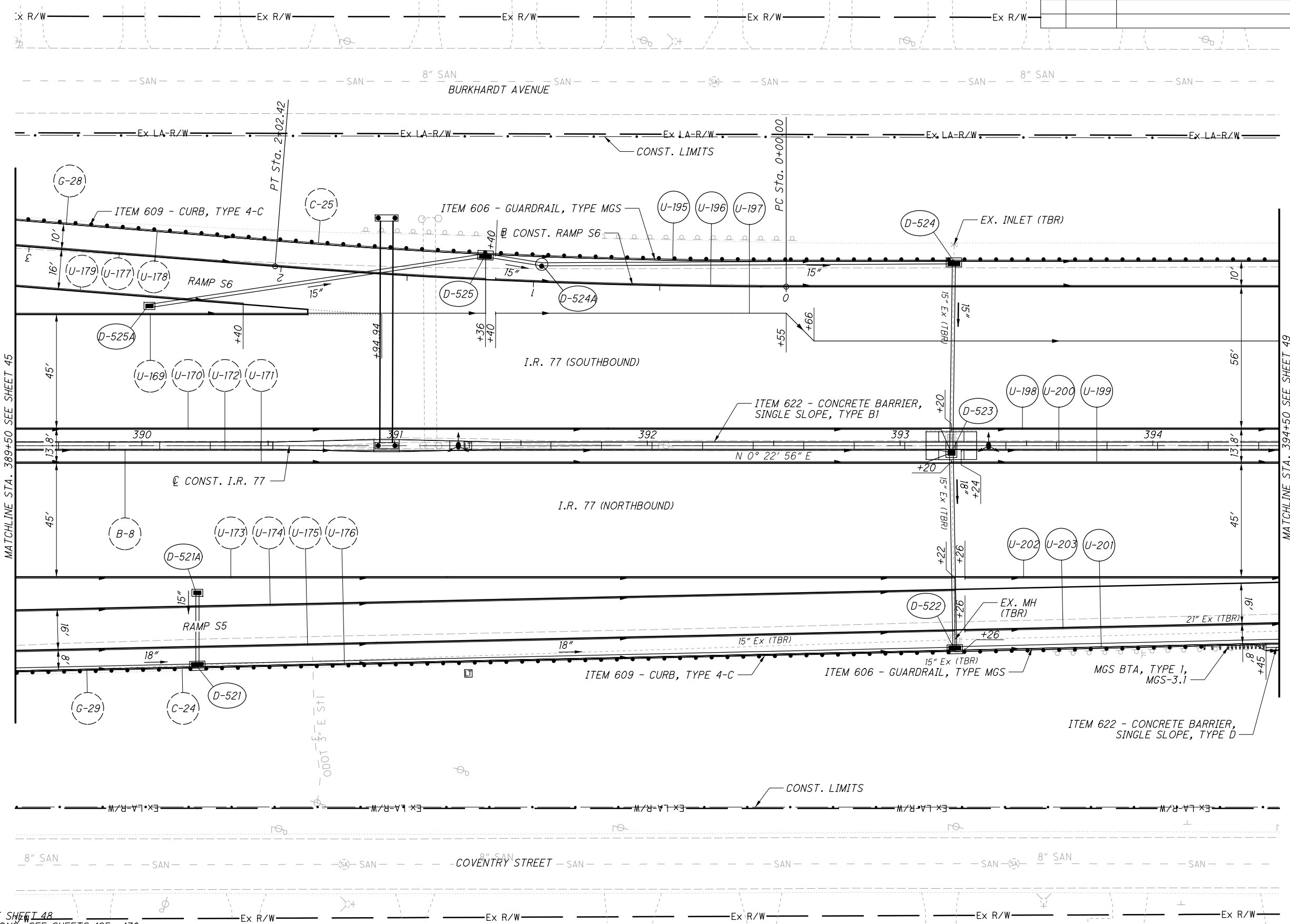
Released for Construction
 Thomas J Powell, PE
 03/17/2022

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Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
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CHECKED
SRB

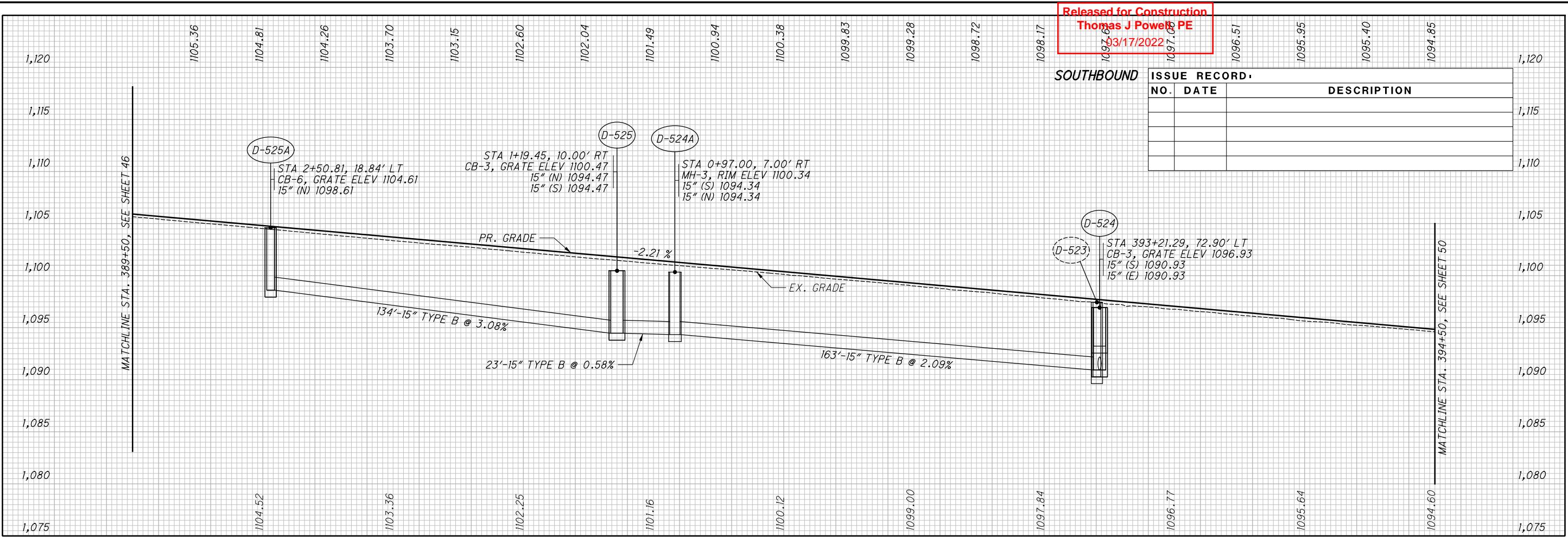
HORIZONTAL SCALE IN FEET



CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 48
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 165 - 170
 FOR RAMP TERMINAL DETAILS, SEE SHEETS 243 - 244
 FOR BARRIER DETAILS, SEE SHEET 285

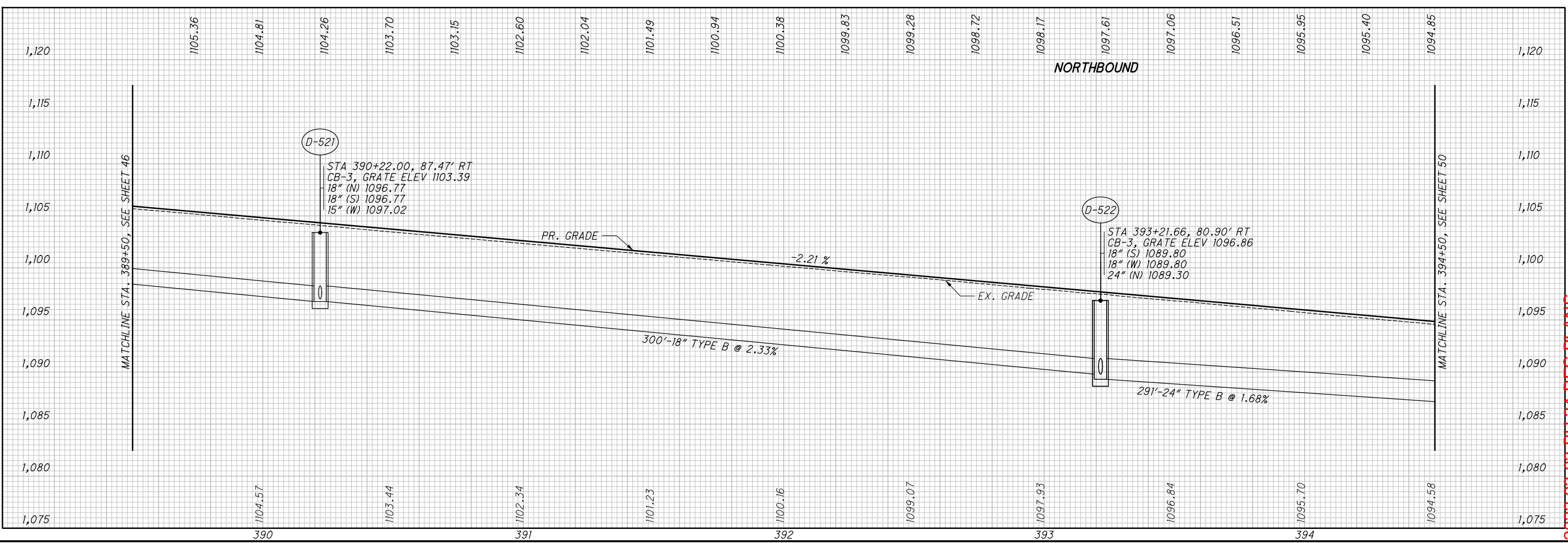
PLAN - I.R. 77
 STA. 389+50 TO STA. 394+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00



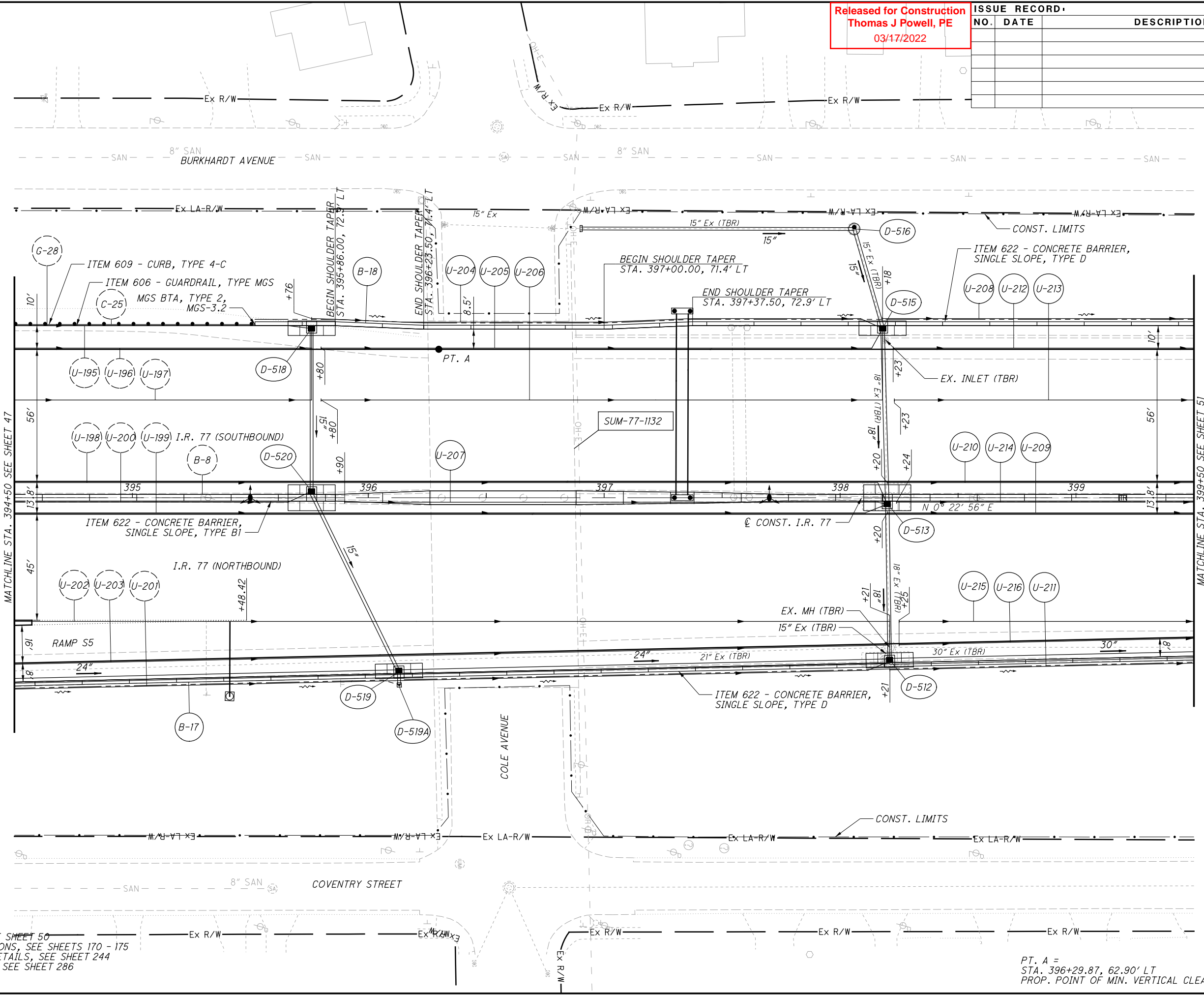
Released for Construction
Thomas J Powell PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

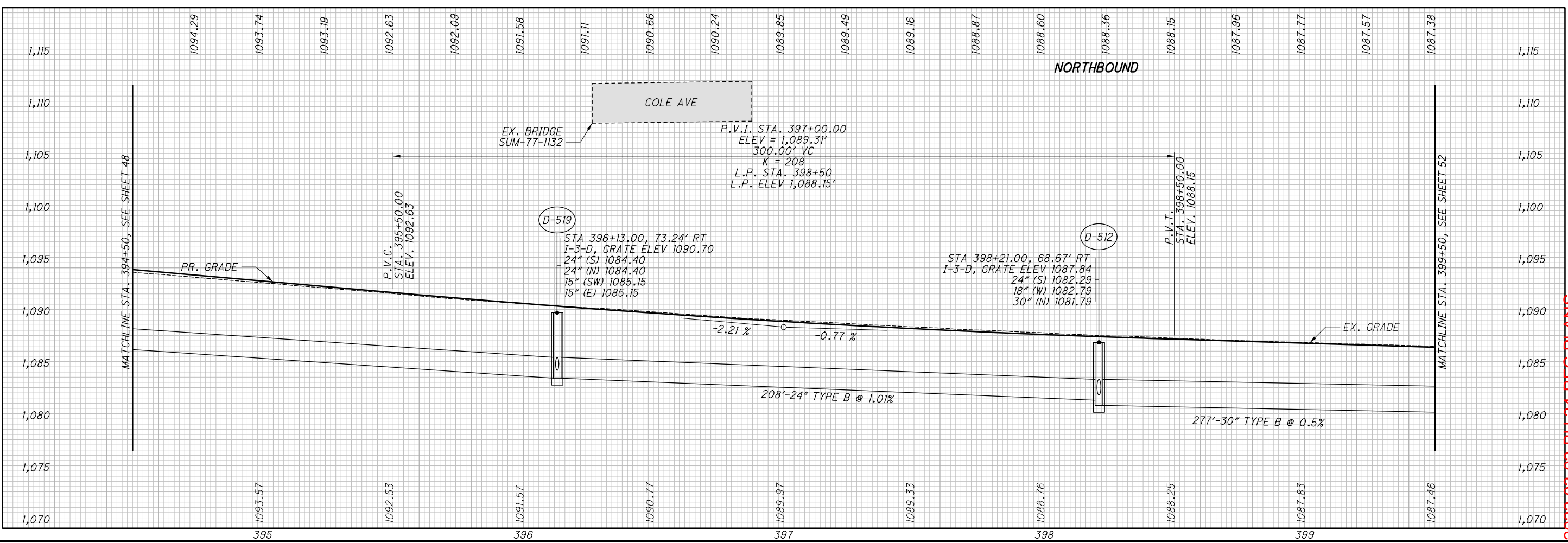
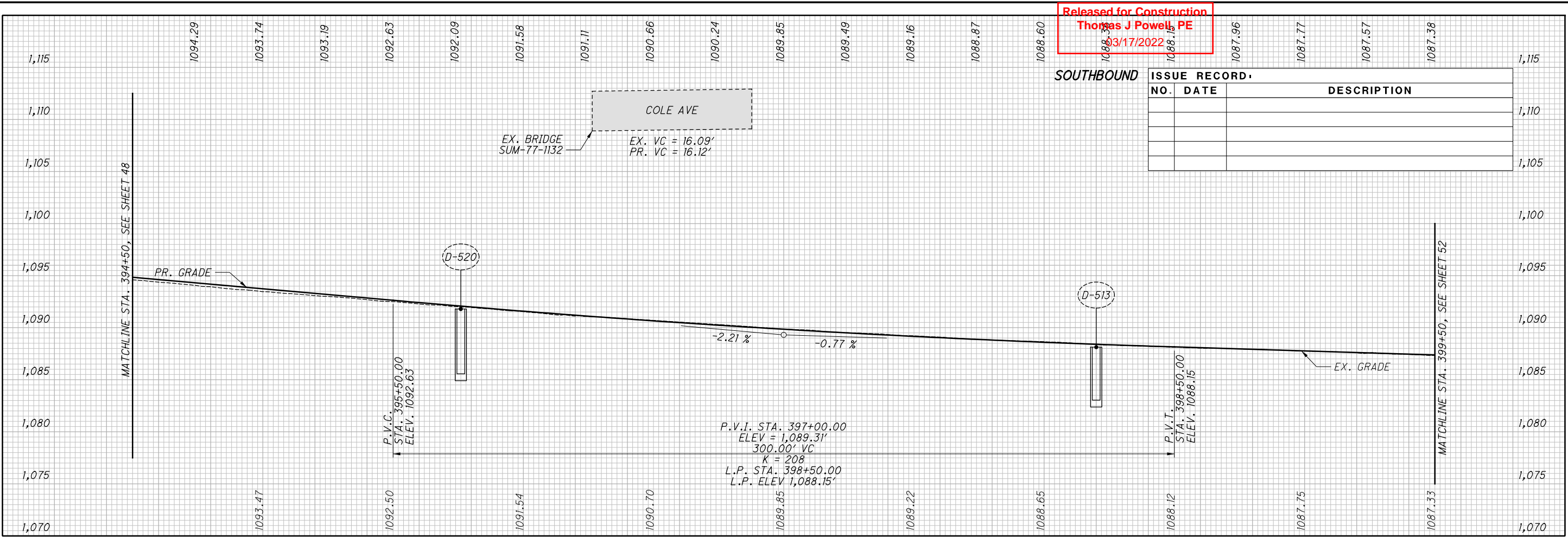


CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 50
 FOR I-77 CROSS SECTIONS, SEE SHEETS 170 - 175
 FOR RAMP TERMINAL DETAILS, SEE SHEET 244
 FOR BARRIER DETAILS, SEE SHEET 286

PT. A =
 STA. 396+29.87, 62.90' LT
 PROP. POINT OF MIN. VERTICAL CLEARANCE = 16.12'

PLAN - I.R. 77
 STA. 394+50 TO STA. 399+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

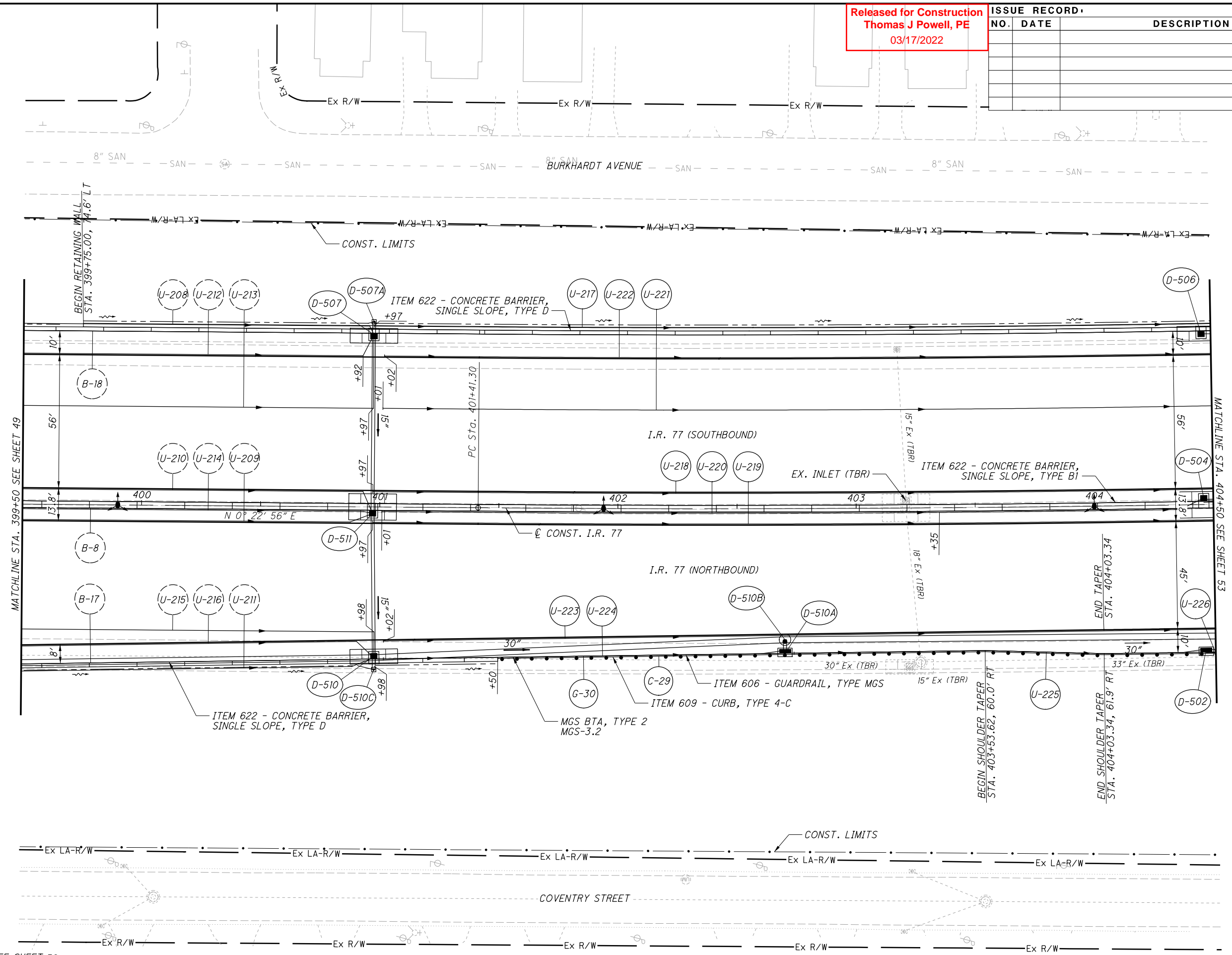


Released for Construction
 Thomas J Powell, PE
 3/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

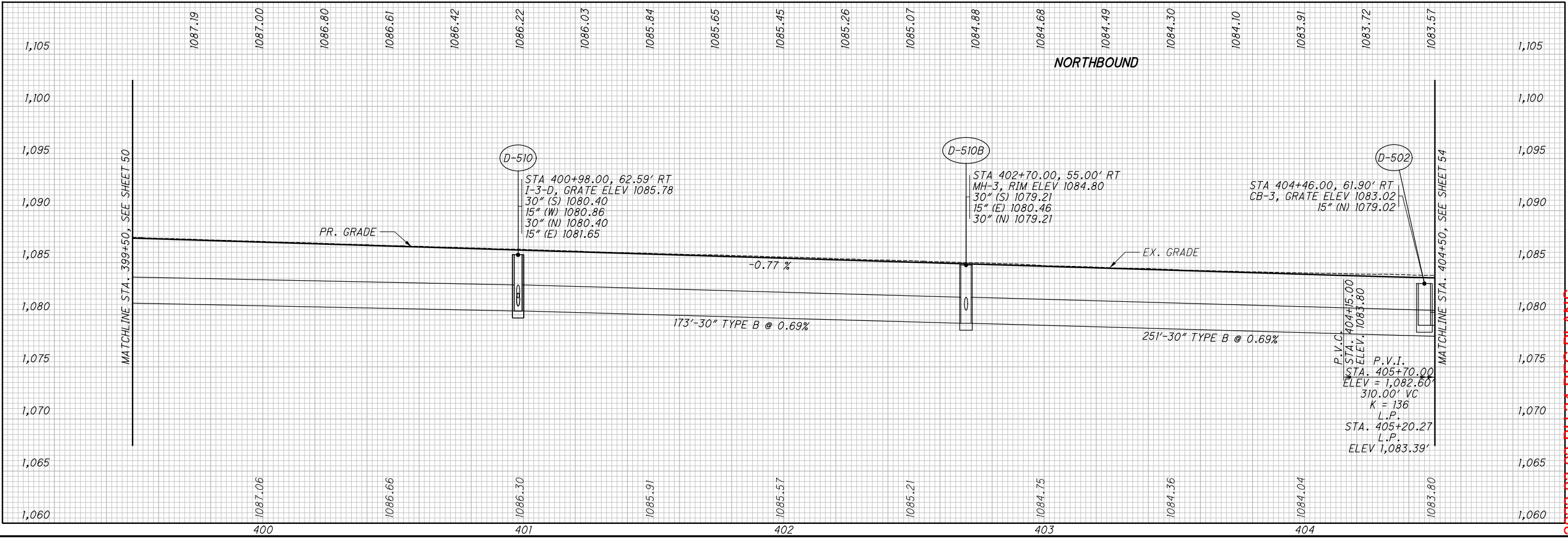
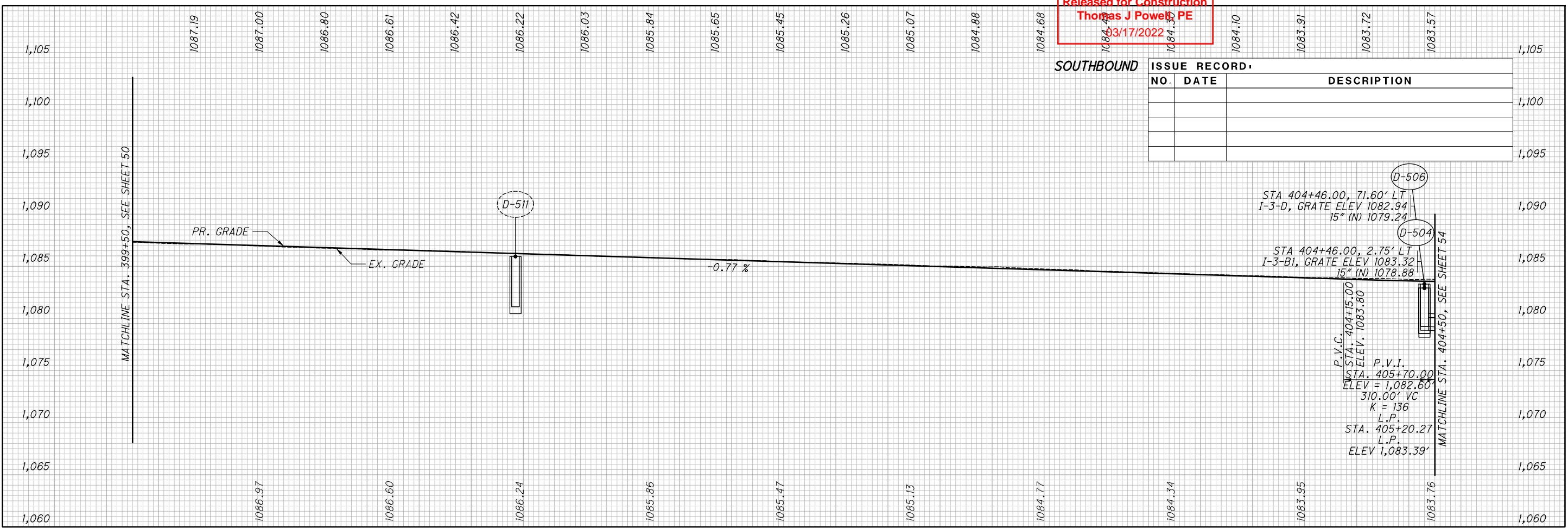


CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 52
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 175 - 180
 FOR BARRIER DETAILS, SEE SHEET 287

PLAN - I.R. 77
 STA. 399+50 TO STA. 404+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

Released for Construction
Thomas J Powell, PE
03/17/2022



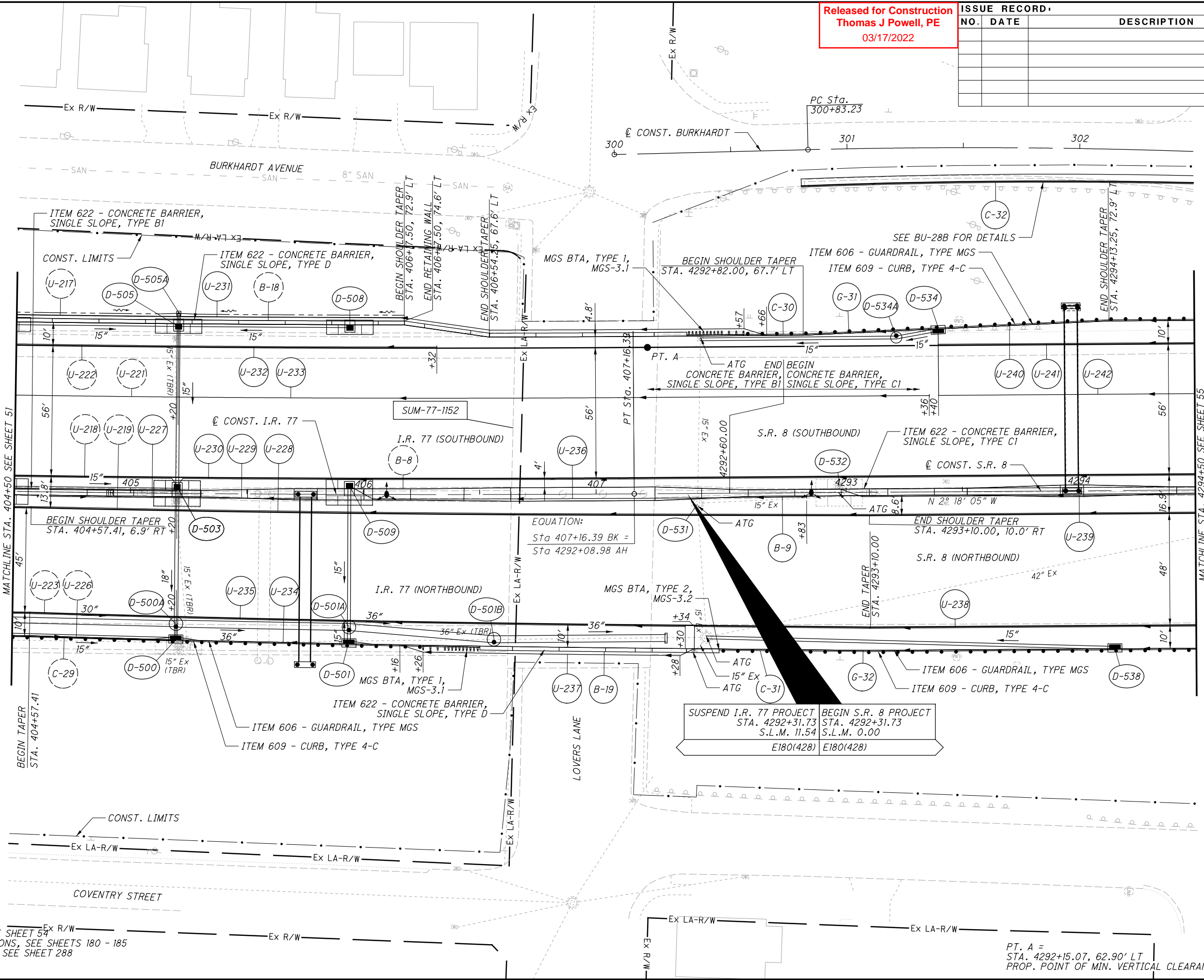
CALCULATED SGM CHECKED JDD

PROFILE - I.R. 77
STA. 399+50 TO STA. 404+50

2022-03-02-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
52 / 298

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



EQUATION:
Sta 407+16.39 BK =
Sta 4292+08.98 AH

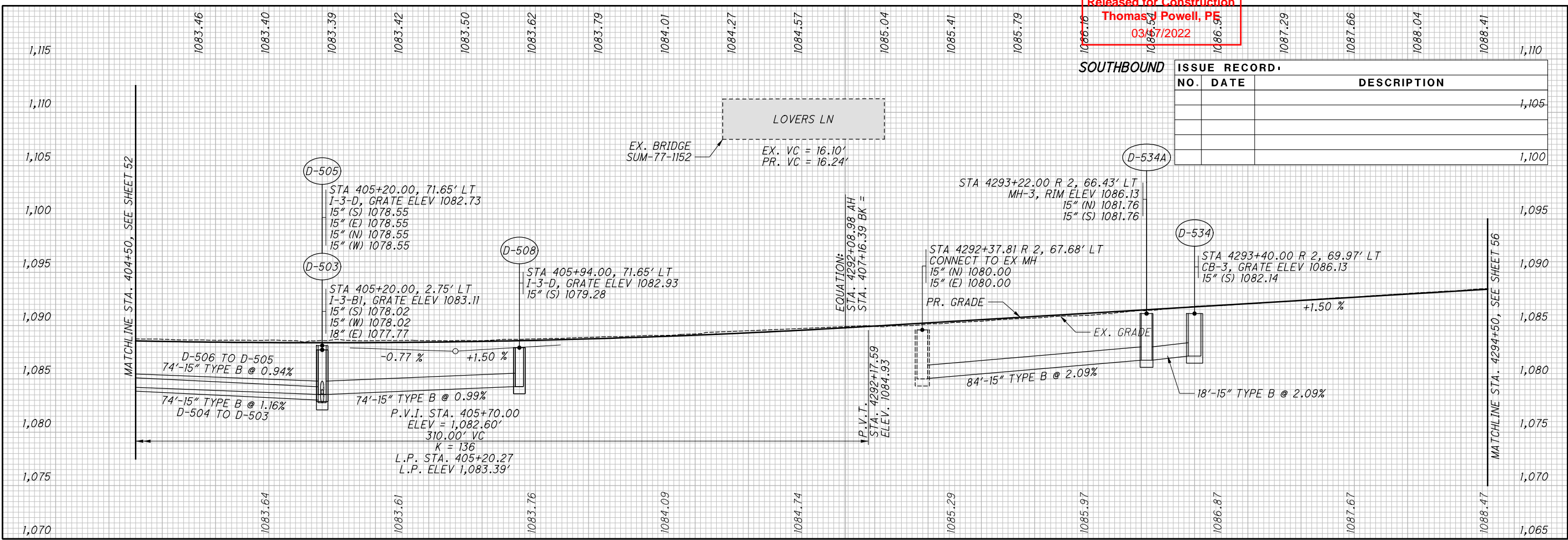
SUSPEND I.R. 77 PROJECT STA. 4292+31.73 S.L.M. 11.54 E180(428)	BEGIN S.R. 8 PROJECT STA. 4292+31.73 S.L.M. 0.00 E180(428)
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CROSS REFERENCES:
FOR I-77 PROFILE, SEE SHEET 54
FOR I-77 CROSS SECTIONS, SEE SHEETS 180 - 185
FOR BARRIER DETAILS, SEE SHEET 288

PT. A =
STA. 4292+15.07, 62.90' LT
PROP. POINT OF MIN. VERTICAL CLEARANCE = 16.24'

PLAN - I.R. 77
STA. 404+50 TO STA. 4294+50

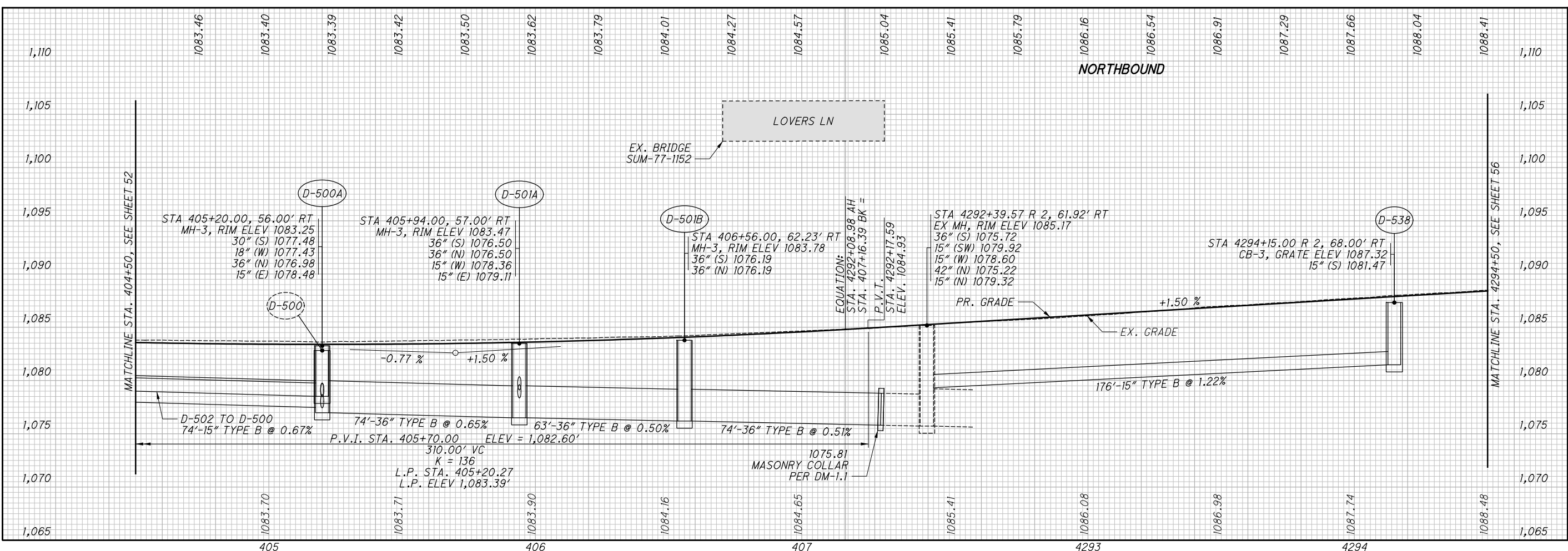
2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
53
298



Released for Construction
Thomas J. Powell, PE
03/07/2022

ISSUE RECORD:

NO.	DATE	DESCRIPTION

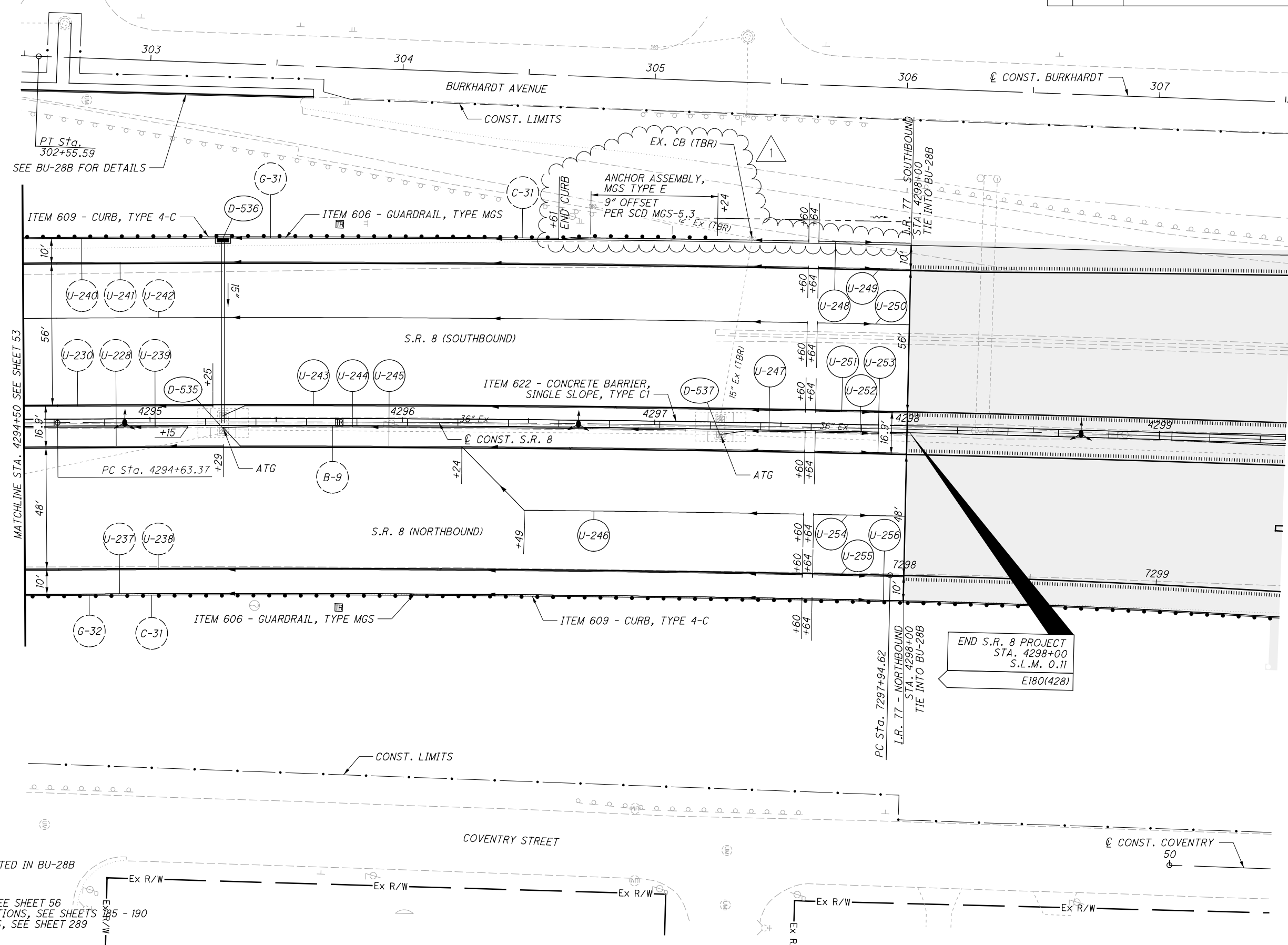


Released for Construction
Thomas J Powell, PE
04/25/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	4/19/22	GUARDRAIL REVISION

CALCULATED
GLW
CHECKED
SRB

HORIZONTAL SCALE IN FEET



CONSTRUCTED IN BU-28B

CROSS REFERENCES:
 FOR I-77 PROFILE, SEE SHEET 56
 FOR I-77 CROSS-SECTIONS, SEE SHEETS 285 - 190
 FOR BARRIER DETAILS, SEE SHEET 289

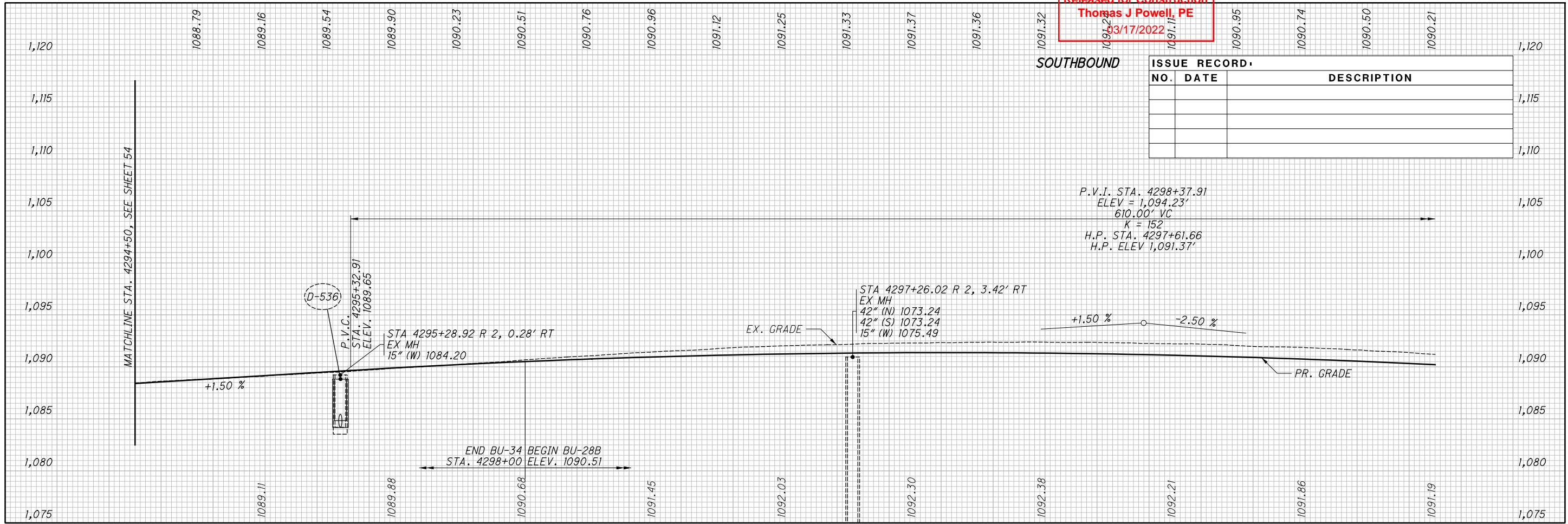
END S.R. 8 PROJECT
 STA. 4298+00
 S.L.M. 0.11
 E180(428)

PLAN - I.R. 77
 STA. 4294+50 TO STA. 4298+00

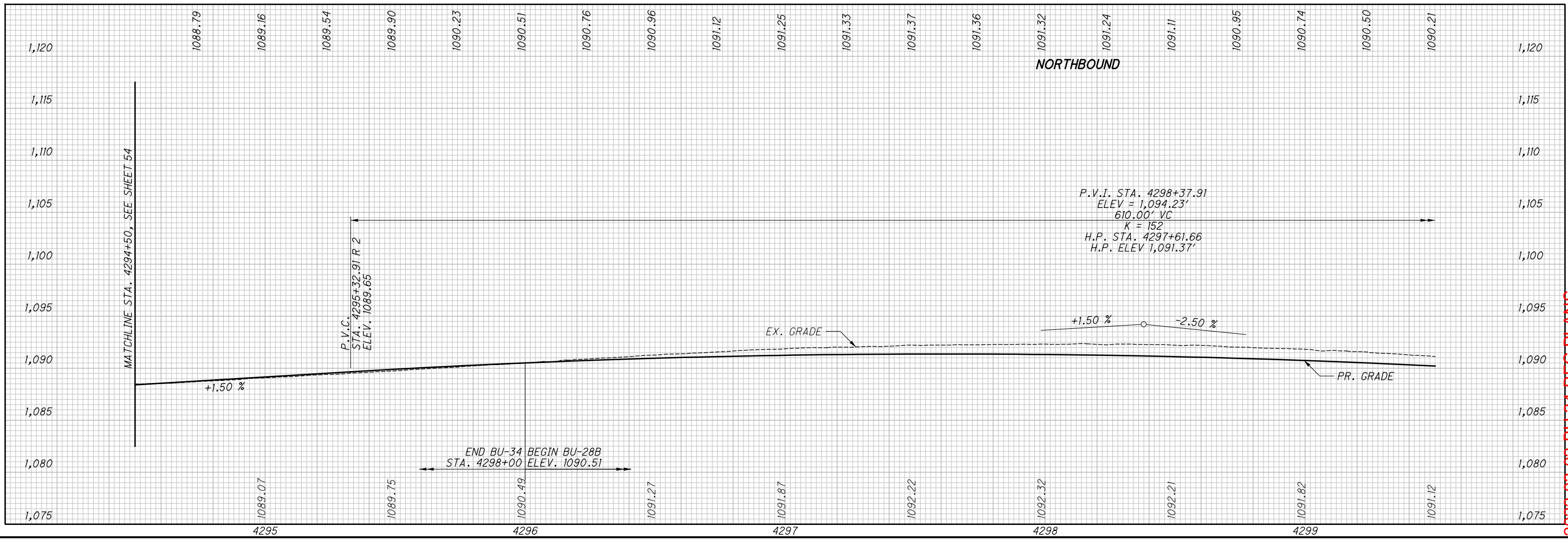
2022-04-19-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

55
298

Released for Construction
Thomas J Powell, PE
03/17/2022



ISSUE RECORD:		
NO.	DATE	DESCRIPTION



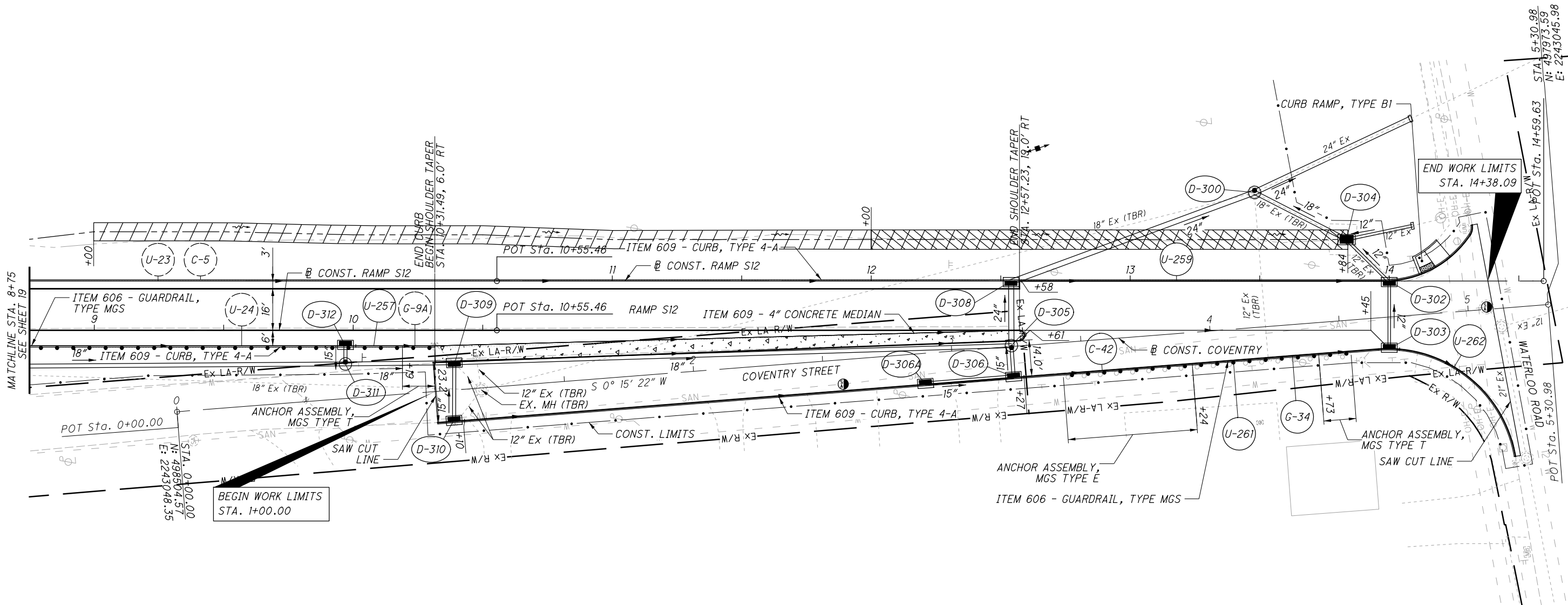
CALCULATED SGM CHECKED JDD

PROFILE - I.R. 77
STA. 4294+50 TO STA. 4298+00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
56
298

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



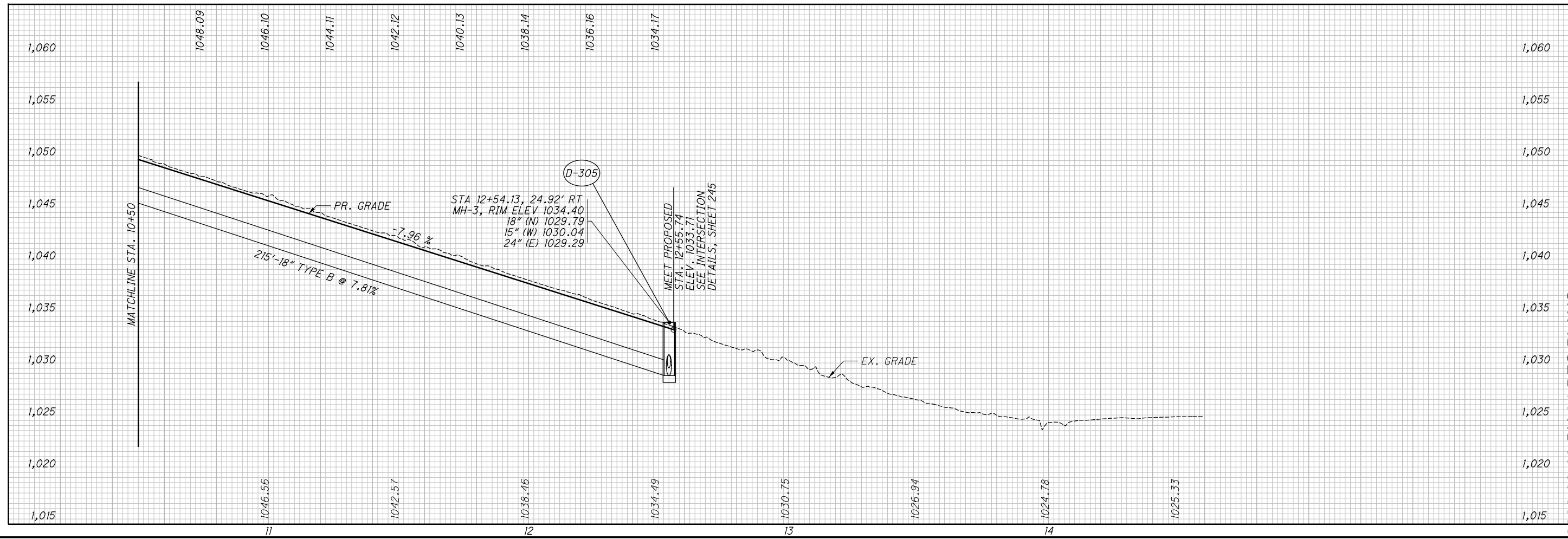
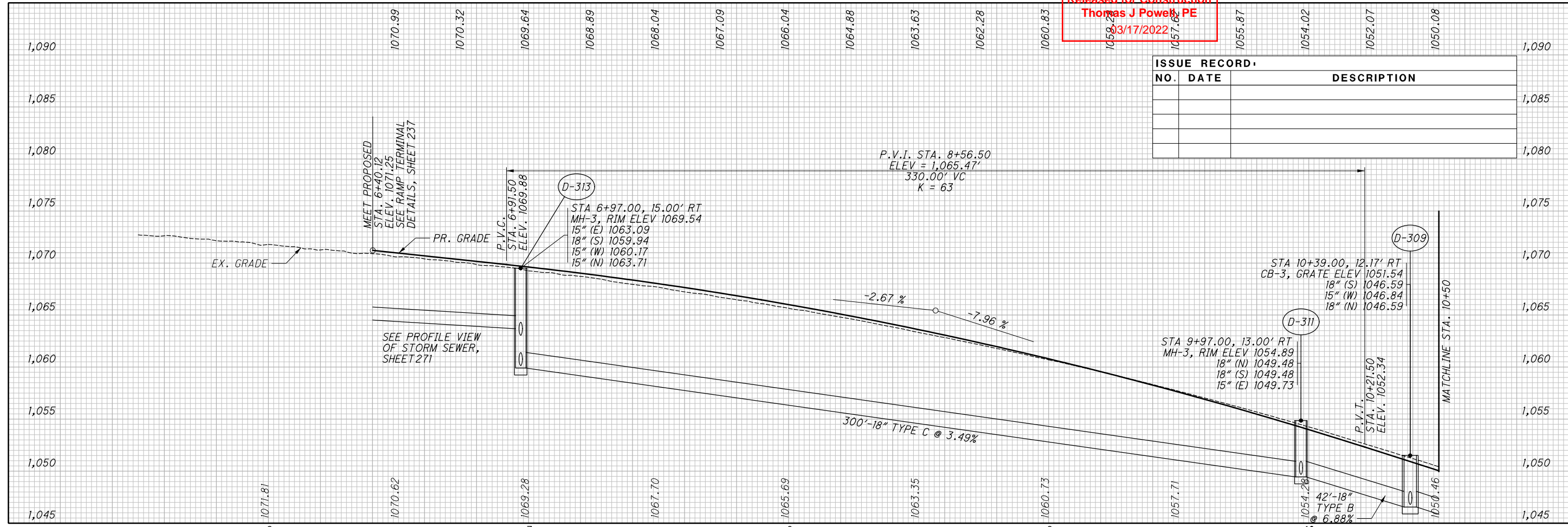
ITEM 670 - DITCH EROSION PROTECTION
 ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCEMENT
CROSS REFERENCES:
 FOR RAMP S12 PROFILE, SEE SHEET 58
 FOR RAMP S12 CROSS SECTIONS, SEE SHEETS 191 - 196
 FOR RAMP TERMINAL DETAILS, SEE SHEET 237
 FOR STORM SEWER PROFILES, SEE SHEETS 262 - 263

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

PLAN - RAMP S12
 STA. 8+75 TO END

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

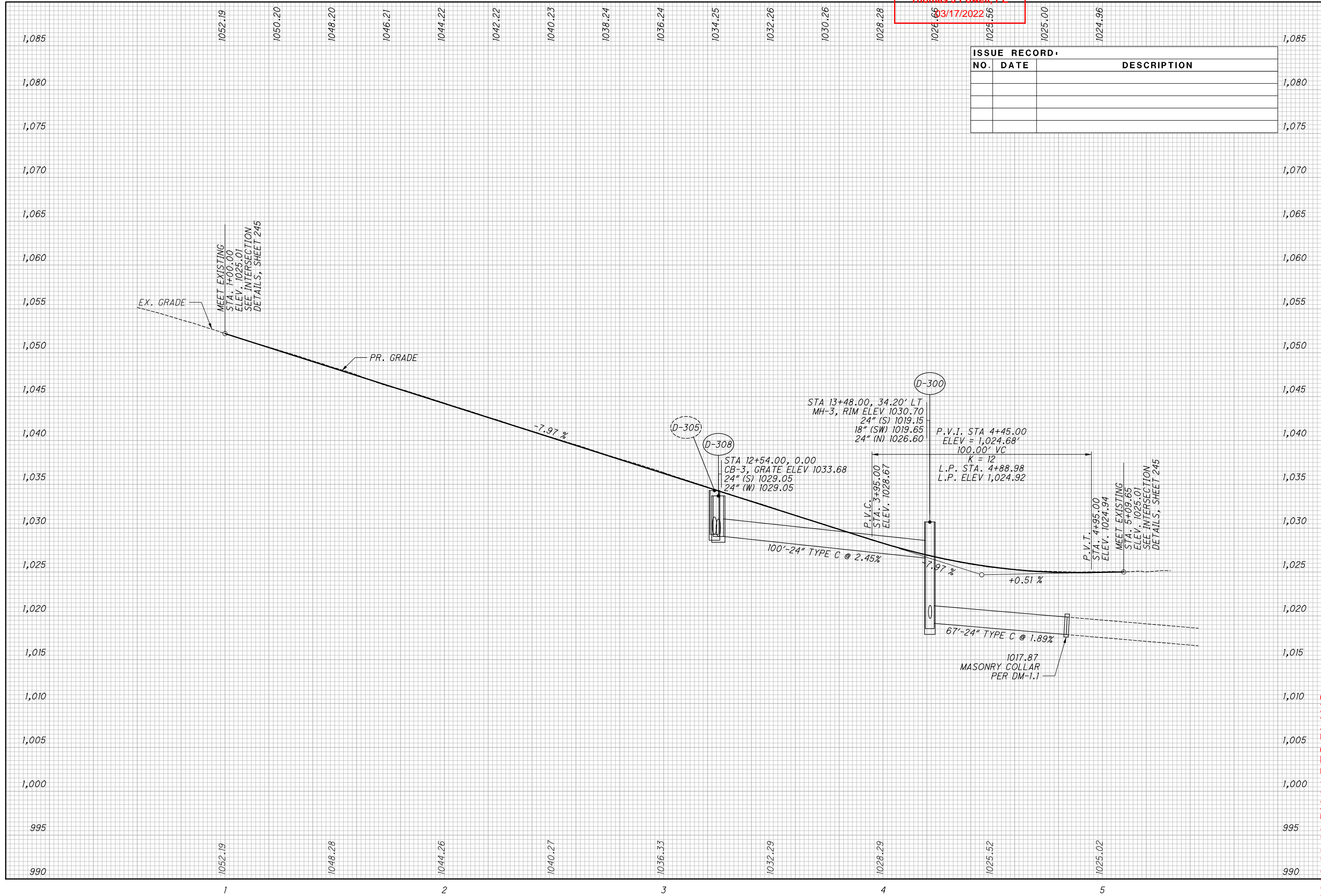


CALCULATED SGM CHECKED JDD

PROFILE - RAMP S12
STA. 6+40.12 TO END

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
58
298

Released for Construction
 Thomas J Powell, PE
 03/17/2022



ISSUE RECORD		
NO.	DATE	DESCRIPTION

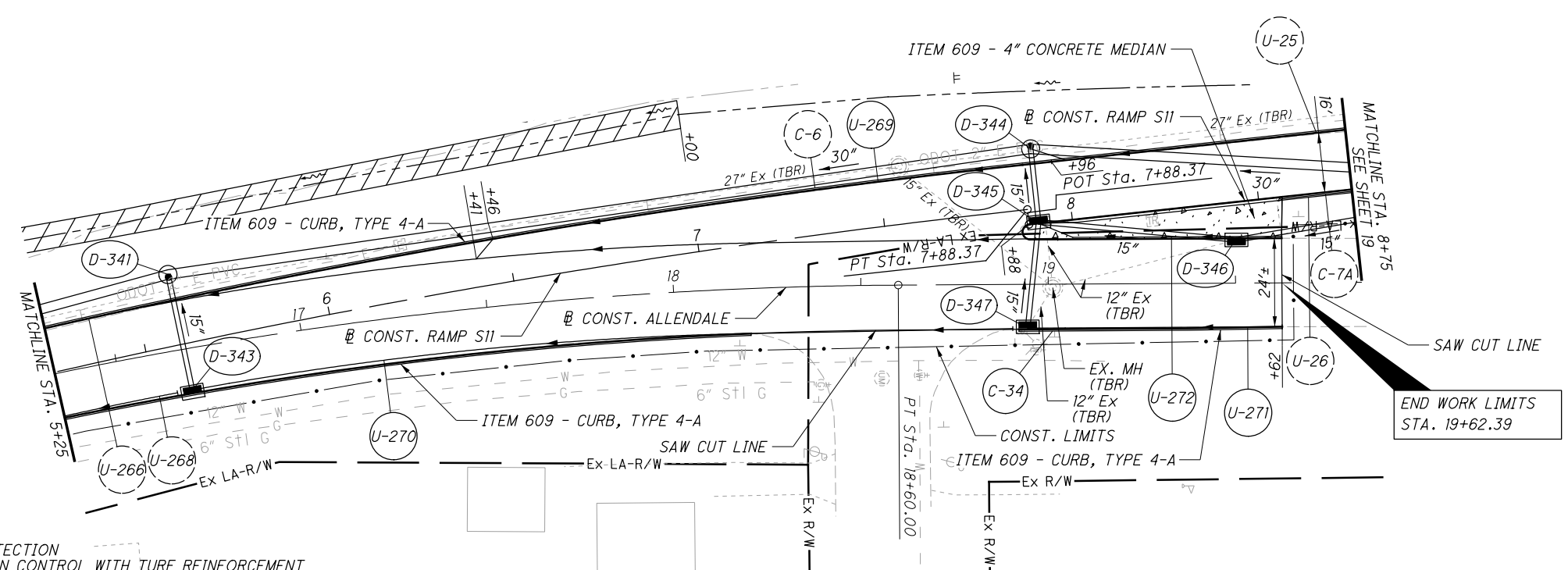
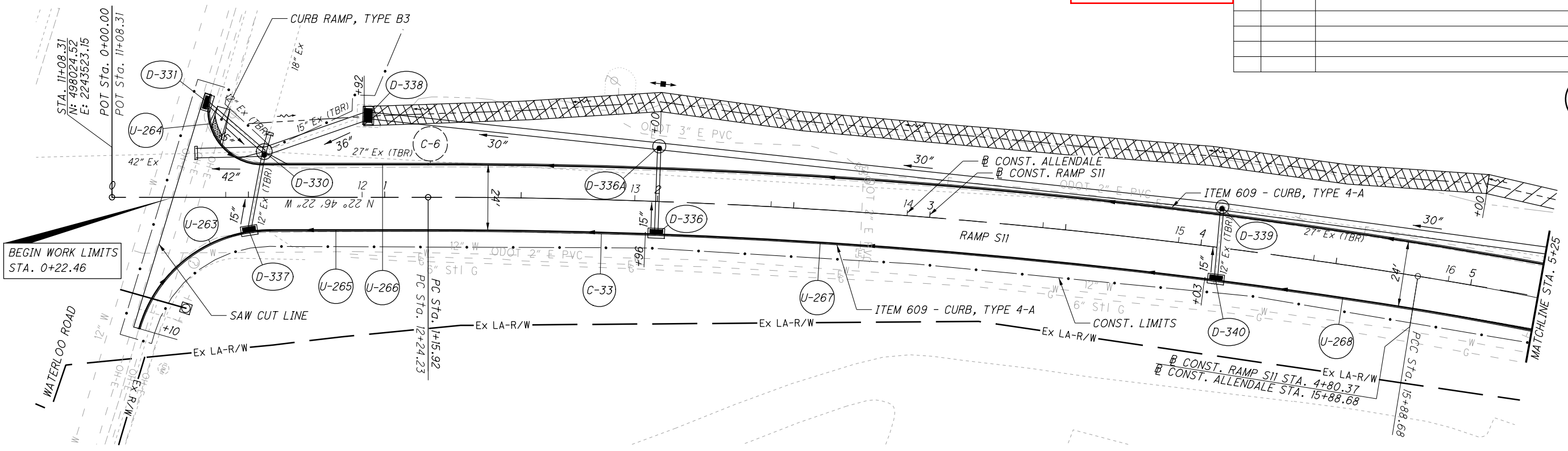
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

0 20 40
HORIZONTAL
SCALE IN FEET

N



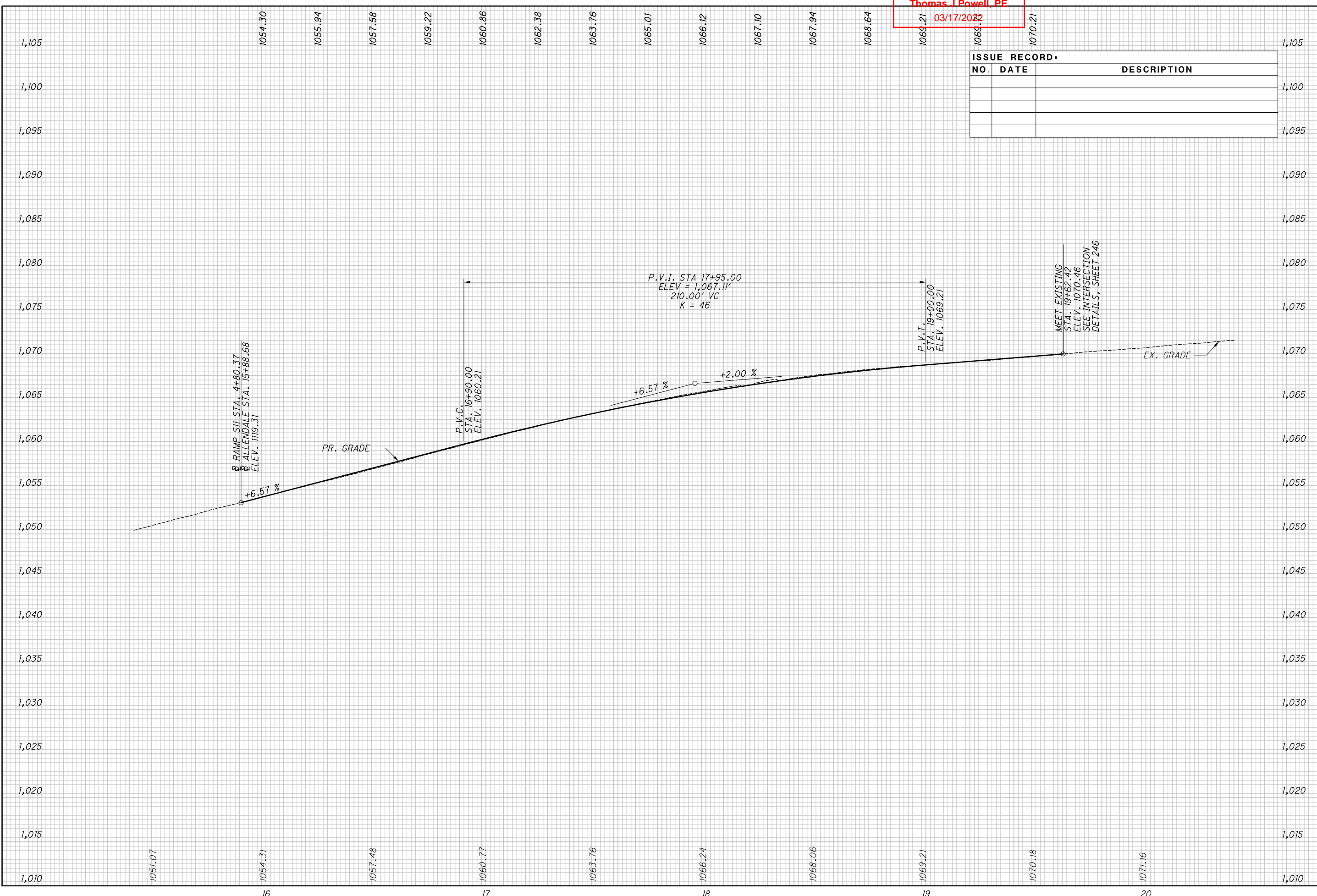
ITEM 670 - DITCH EROSION PROTECTION
 ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCEMENT

CROSS REFERENCES:
 FOR RAMP S11 PROFILE, SEE SHEET 62
 FOR RAMP S11 CROSS SECTIONS, SEE SHEETS 202 - 203
 FOR RAMP TERMINAL DETAILS, SEE SHEET 238
 FOR STORM SEWER PROFILES, SEE SHEETS 262 - 264, & 270

PLAN - RAMP S11
 BEGIN TO STA. 8+75

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

60
298



Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD		
NO.	DATE	DESCRIPTION

2022-03-02-BU-34-RFC PLANS

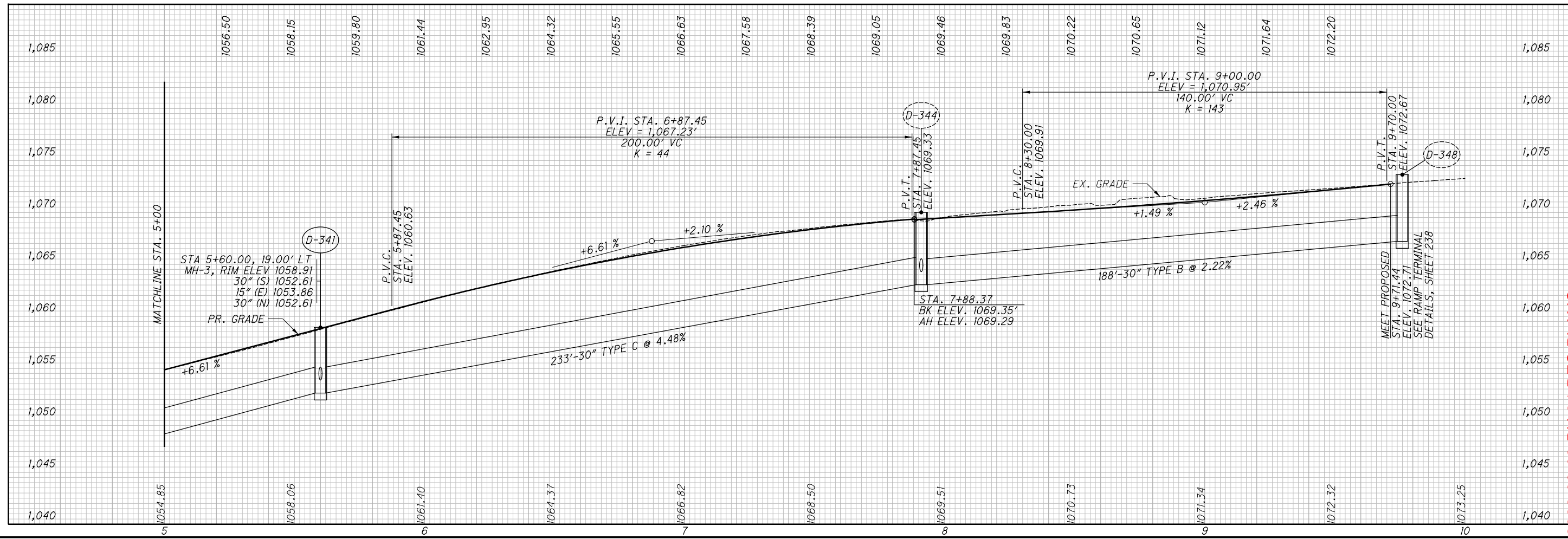
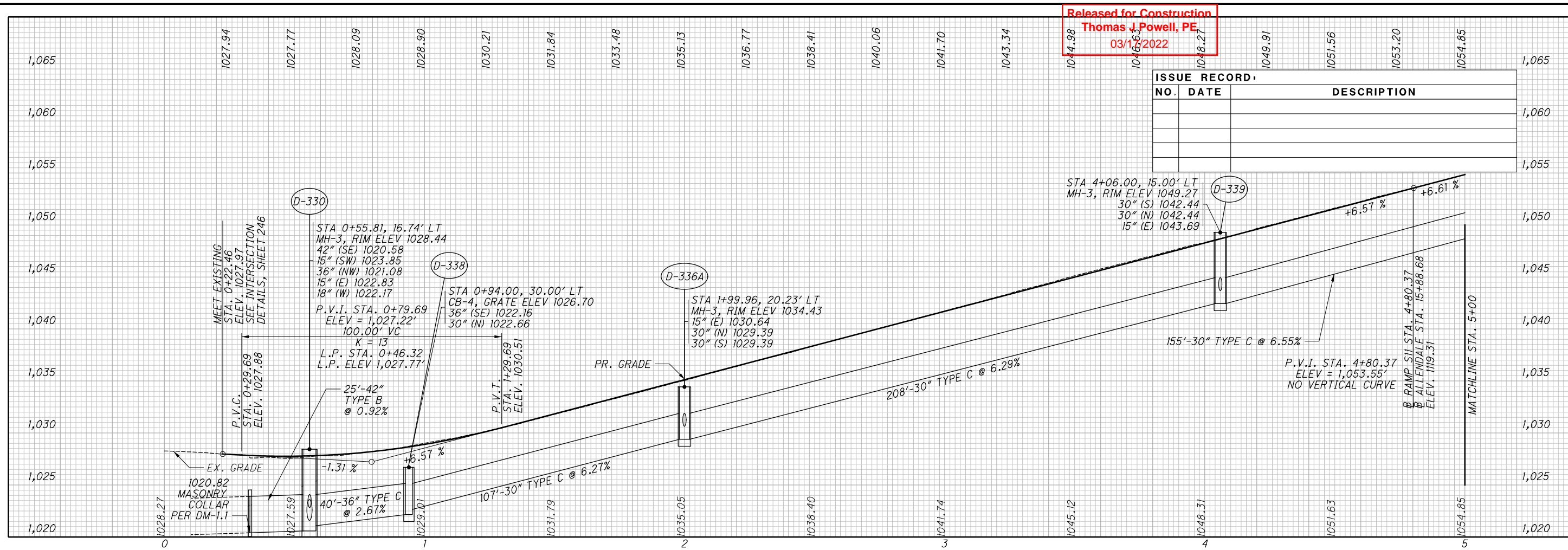
SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

PROFILE - ALLENDALE AVENUE AT RAMP S11

CALCULATED GF
 CHECKED JFM

Released for Construction
Thomas J. Powell, PE
03/16/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



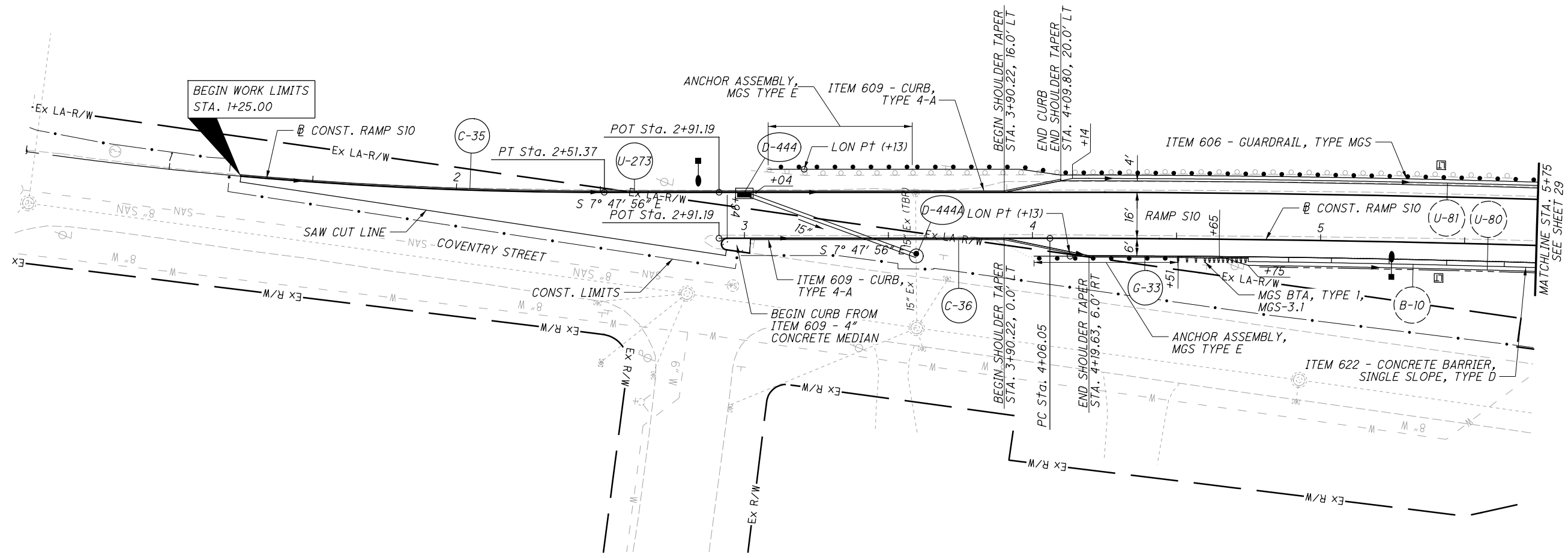
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

0 20 40
HORIZONTAL
SCALE IN FEET

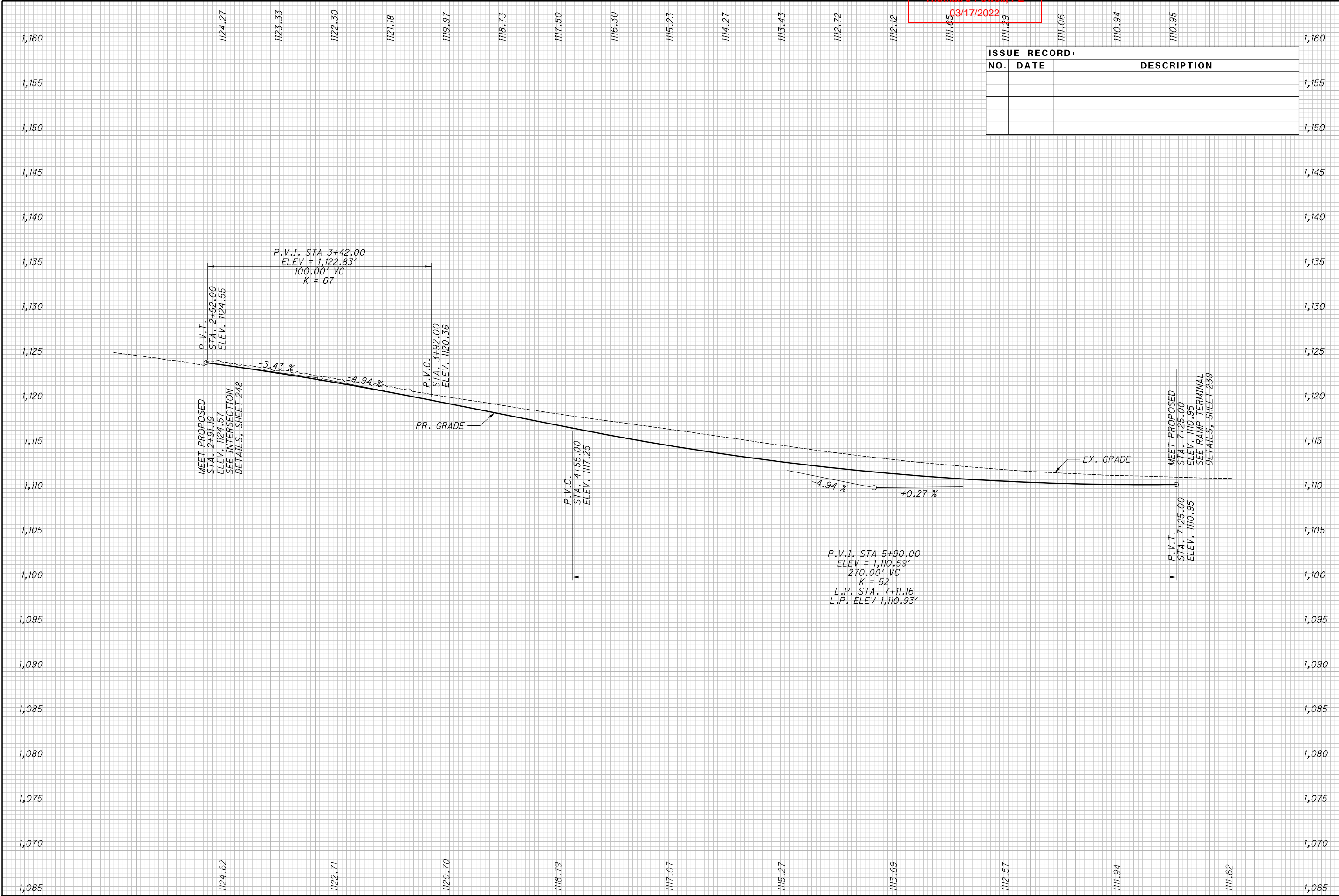
63
298



PLAN - RAMP S10
BEGIN TO STA. 5+75

2022-03-02-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

CROSS REFERENCES:
 FOR RAMP S10 PROFILE, SEE SHEET 64
 FOR RAMP S10 CROSS SECTIONS, SEE SHEETS 204 - 206
 FOR RAMP TERMINAL DETAILS, SEE SHEET 239
 FOR BARRIER DETAILS, SEE SHEET 290
 FOR STORM SEWER PROFILES, D-444 & D-444A, SEE SHEET 265



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 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD		
NO.	DATE	DESCRIPTION

2022-03-02-BU 34-RFC PLANS

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

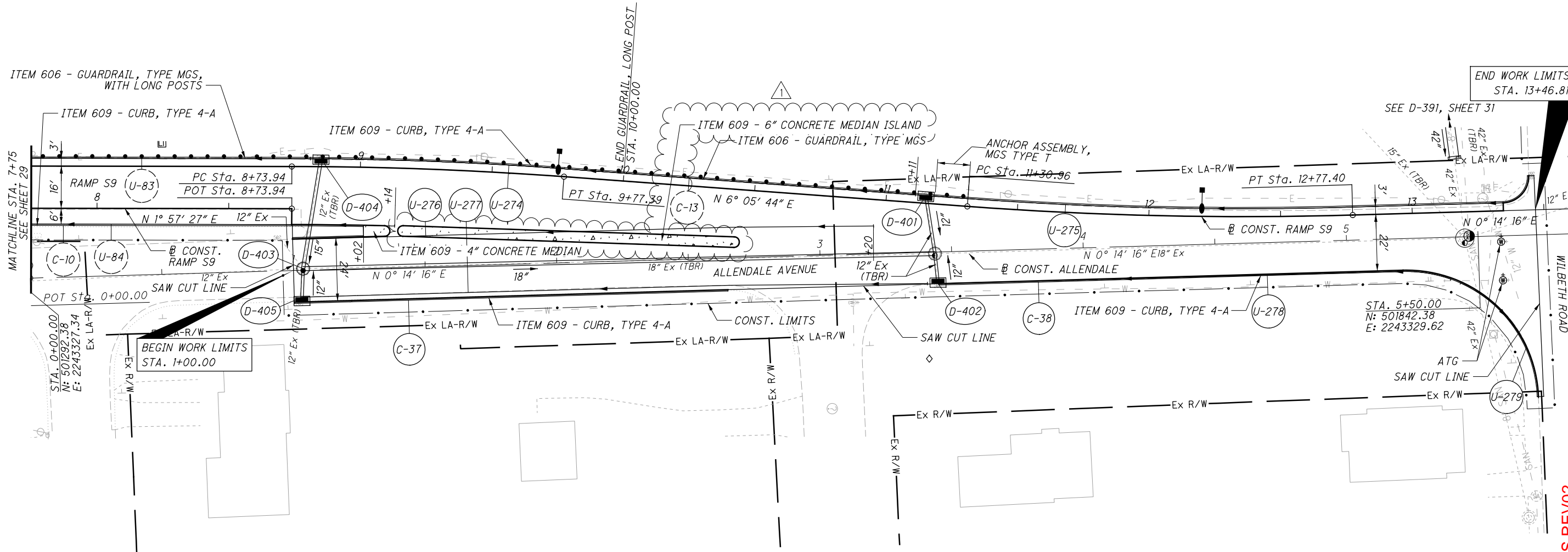
PROFILE - RAMP S10
 STA. 2+91.19 TO STA. 7+25.00

CALCULATED SGM
 CHECKED JDD

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	11/28/23	RAMP MEDIAN ISLAND REVISION

CALCULATED
GLW
CHECKED
SRB

40
20
0
HORIZONTAL
SCALE IN FEET



CROSS REFERENCES:
 FOR RAMP S9 PROFILE, SEE SHEET 66
 FOR RAMP S9 CROSS SECTIONS, SEE SHEETS 208 - 210
 FOR RAMP TERMINAL DETAILS, SEE SHEET 240

END WORK LIMITS
STA. 13+46.81

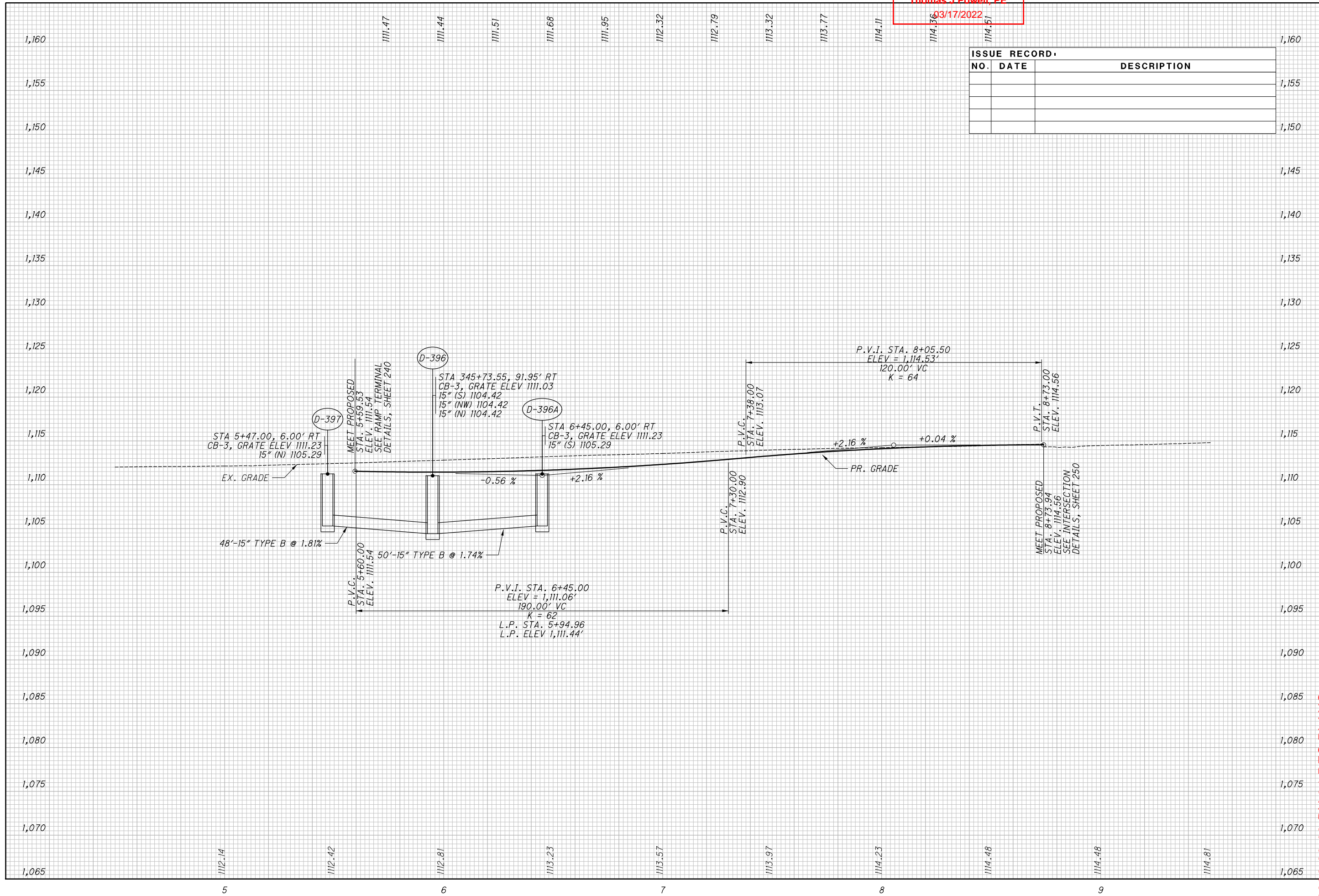
SEE D-391, SHEET 31

PLAN - RAMP S9
STA. 7+75 TO END

2024-02-16-BU 34 - RFC PLANS REV02
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

65
298

Released for Construction
Thomas J Powell, PE
03/17/2022

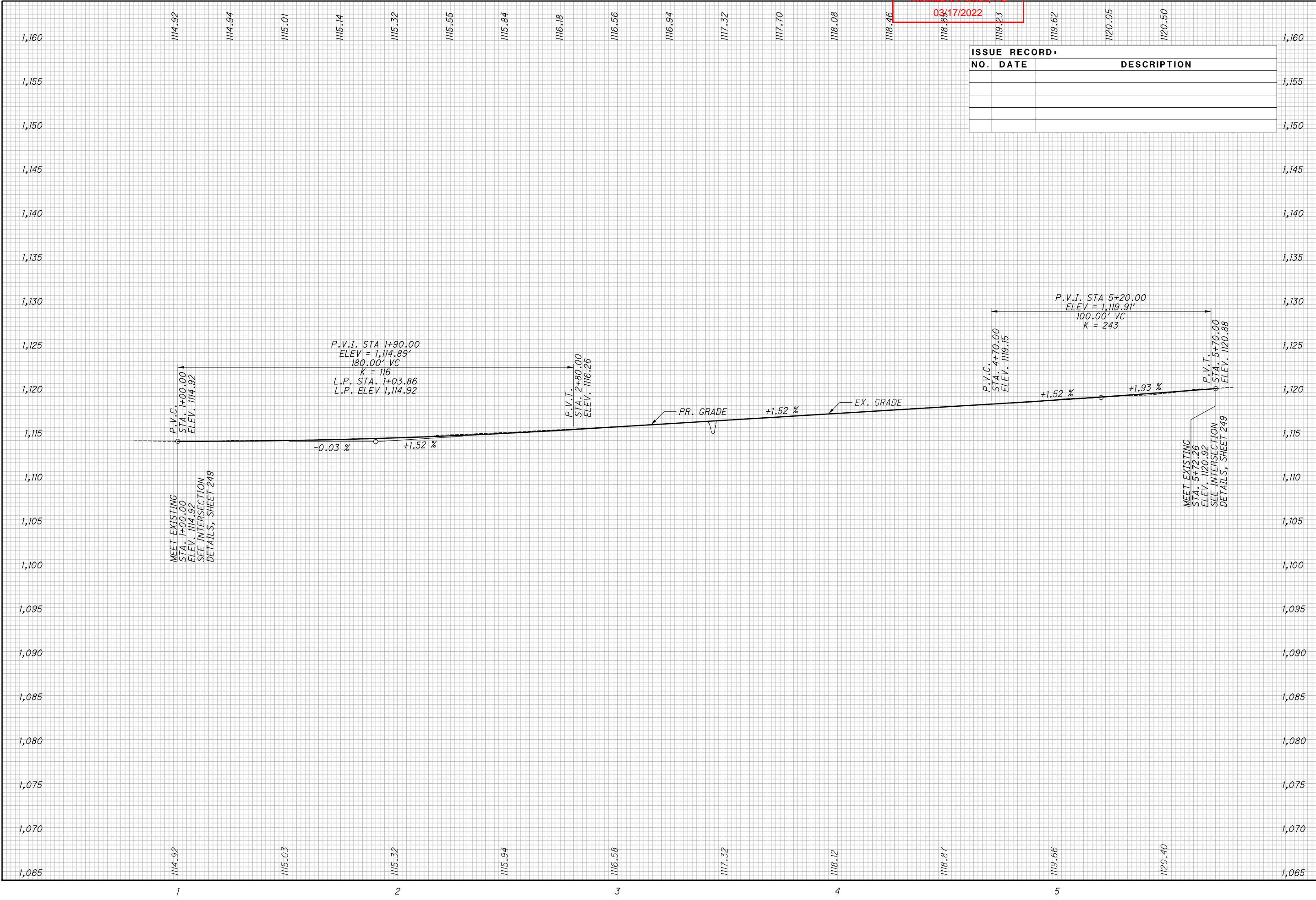


ISSUE RECORD		
NO.	DATE	DESCRIPTION

CALCULATED SGM
CHECKED JDD

PROFILE - RAMP S9
STA. 5+59.53 TO STA. 8+73.94

2022-03-02-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
66
298



Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD		
NO.	DATE	DESCRIPTION

2022-03-02-BU-34-RFC PLANS

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

CALCULATED
 GF
 CHECKED
 JFM

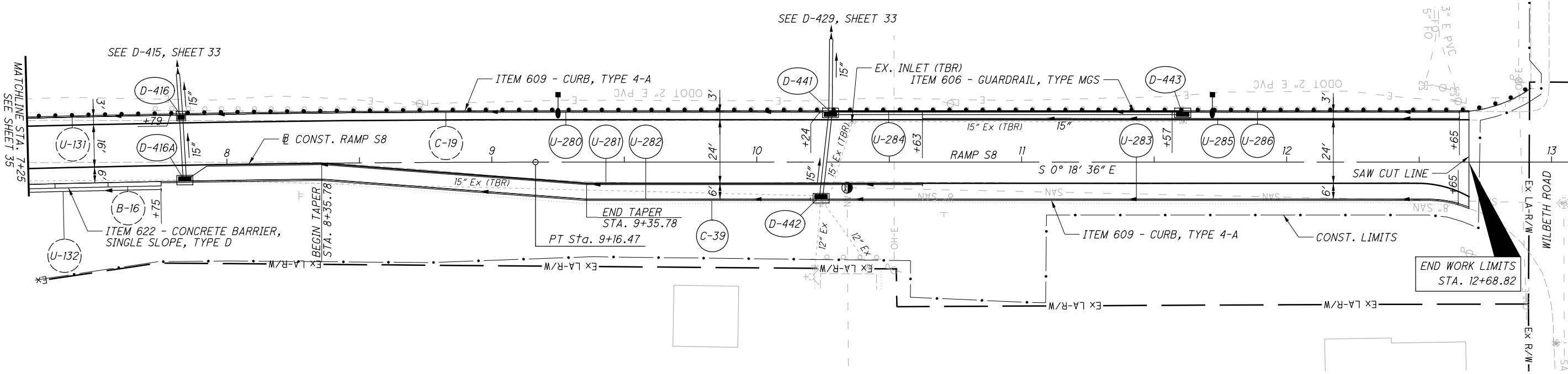
PROFILE - ALLENDALE AVENUE AT RAMP S9

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

0 20 40
HORIZONTAL
SCALE IN FEET



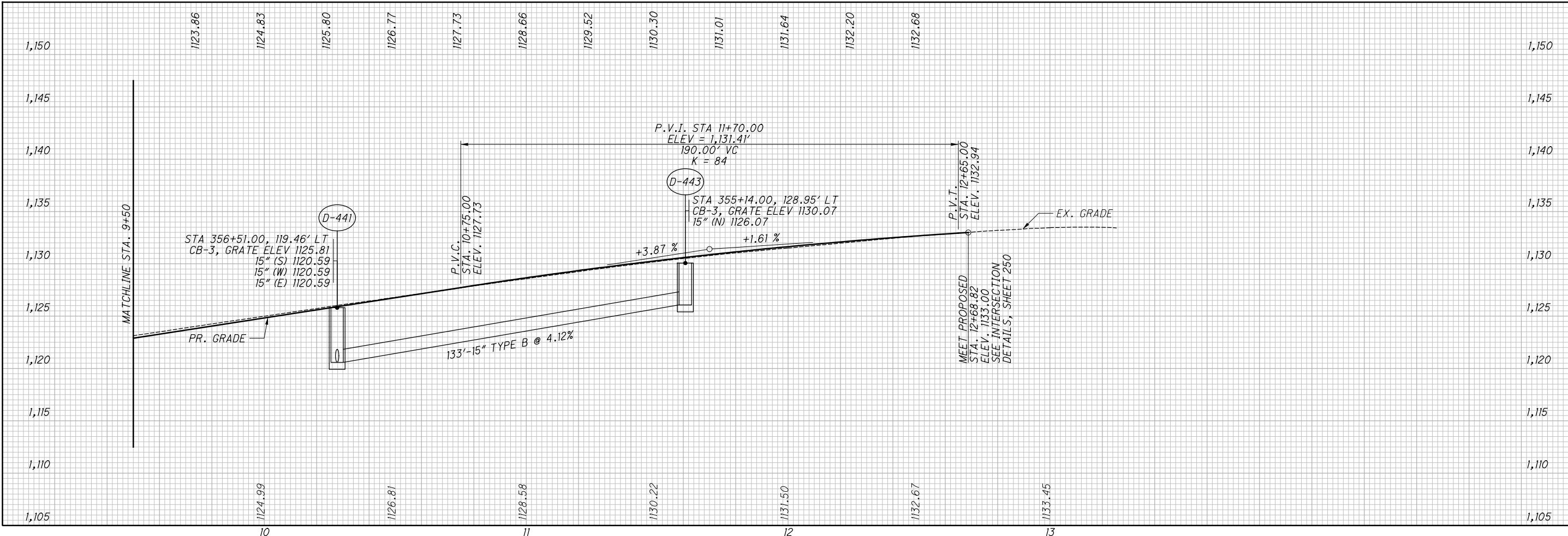
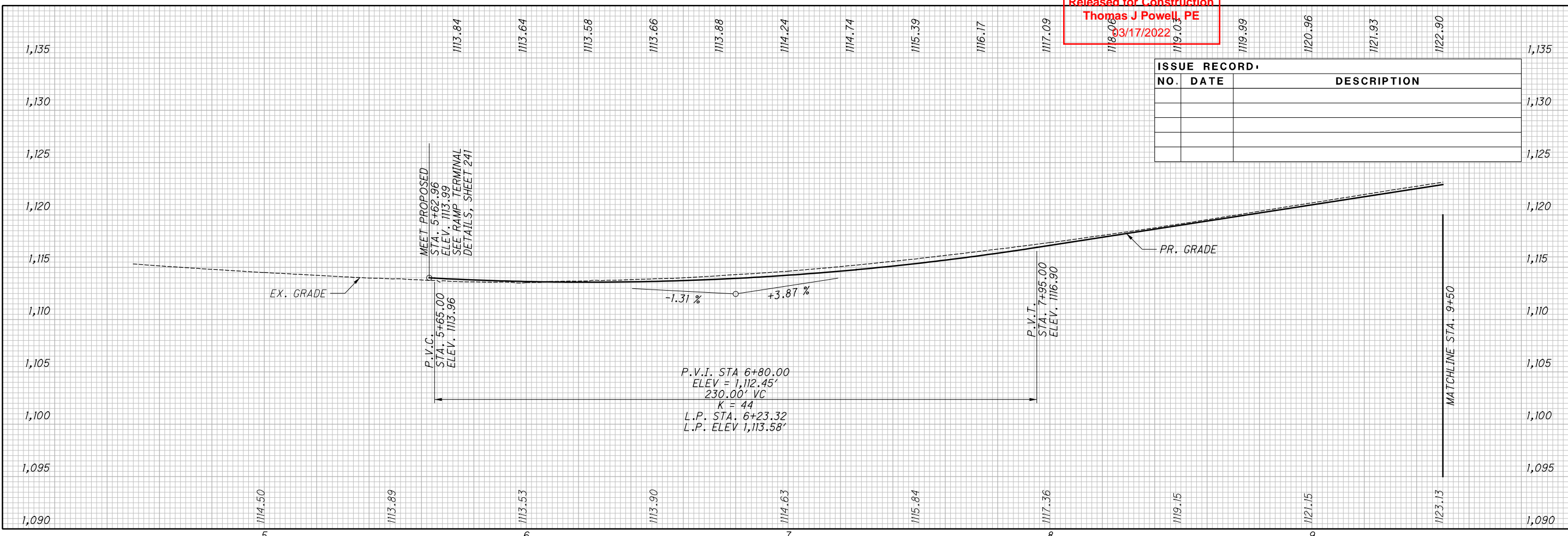
CROSS REFERENCES:
 FOR RAMP S8 PROFILE, SEE SHEET 69
 FOR RAMP S8 CROSS SECTIONS, SEE SHEETS 211 - 217
 FOR RAMP TERMINAL DETAILS, SEE SHEET 241
 FOR BARRIER DETAILS, SEE SHEET 291

**PLAN - RAMP S8
 STA. 7+25 TO END**

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



CALCULATED
 SGM
 CHECKED
 JDD

PROFILE - RAMP S8
 STA. 5+62.96 TO END

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 69
 298

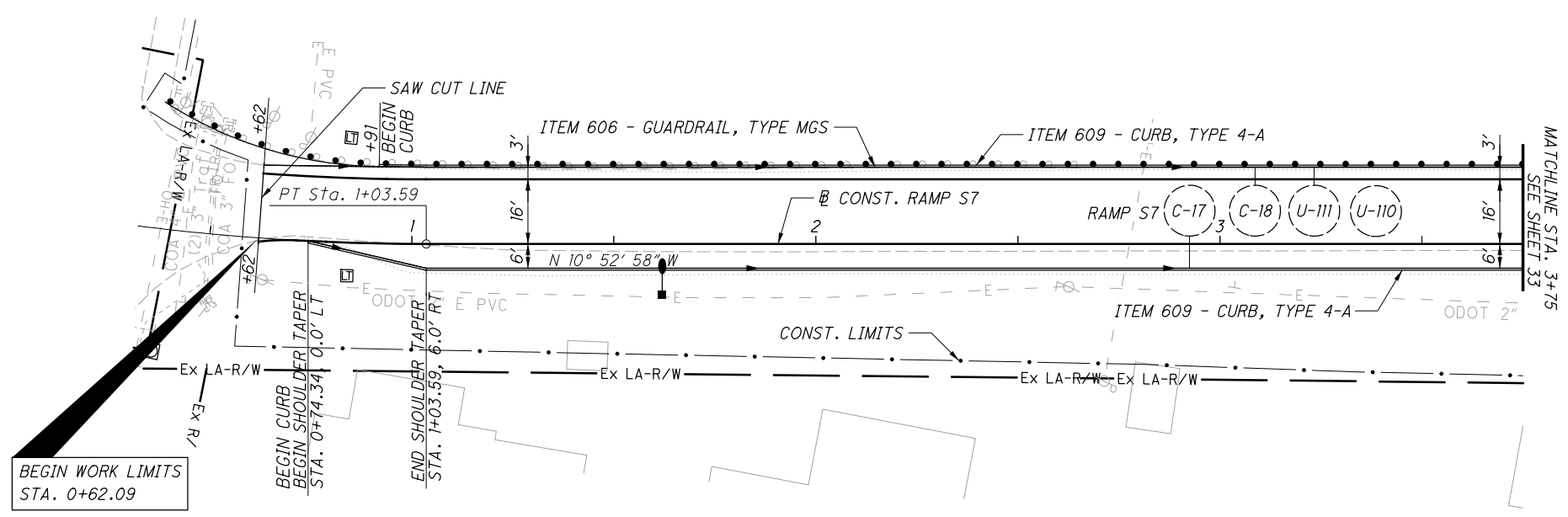
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

0 20 40
HORIZONTAL
SCALE IN FEET

N

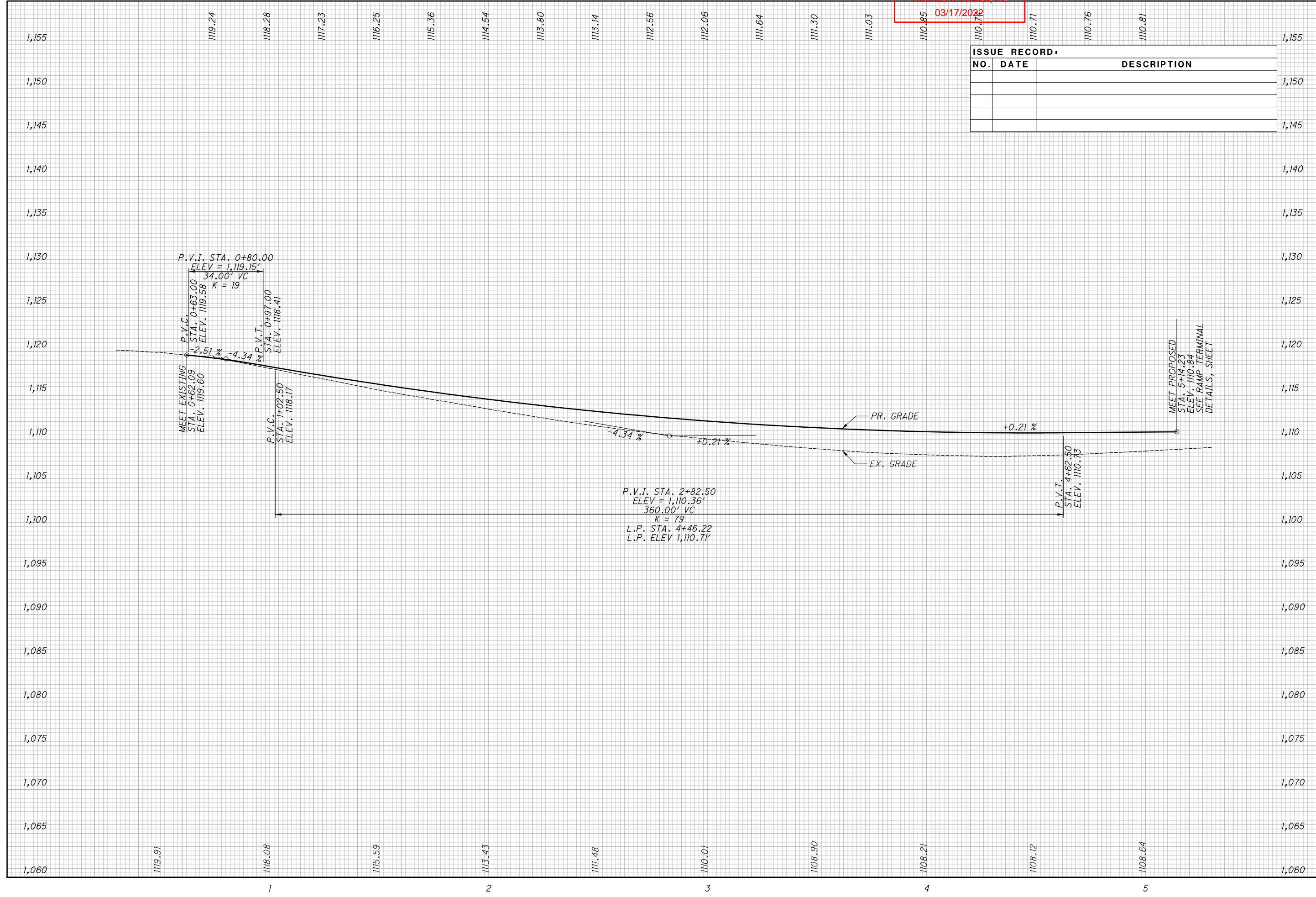


CROSS REFERENCES:
 FOR RAMP S7 PROFILE, SEE SHEET 71
 FOR RAMP S7 CROSS SECTIONS, SEE SHEETS 218 - 222
 FOR RAMP TERMINAL DETAILS, SEE SHEET 242

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

PLAN - RAMP S7
 BEGIN TO STA. 3+75

Released for Construction
 Thomas J Powell, PE
 03/17/2022



ISSUE RECORD		
NO.	DATE	DESCRIPTION

2022-03-02-BU-34-RFC PLANS

CALCULATED SGM
 CHECKED JDD

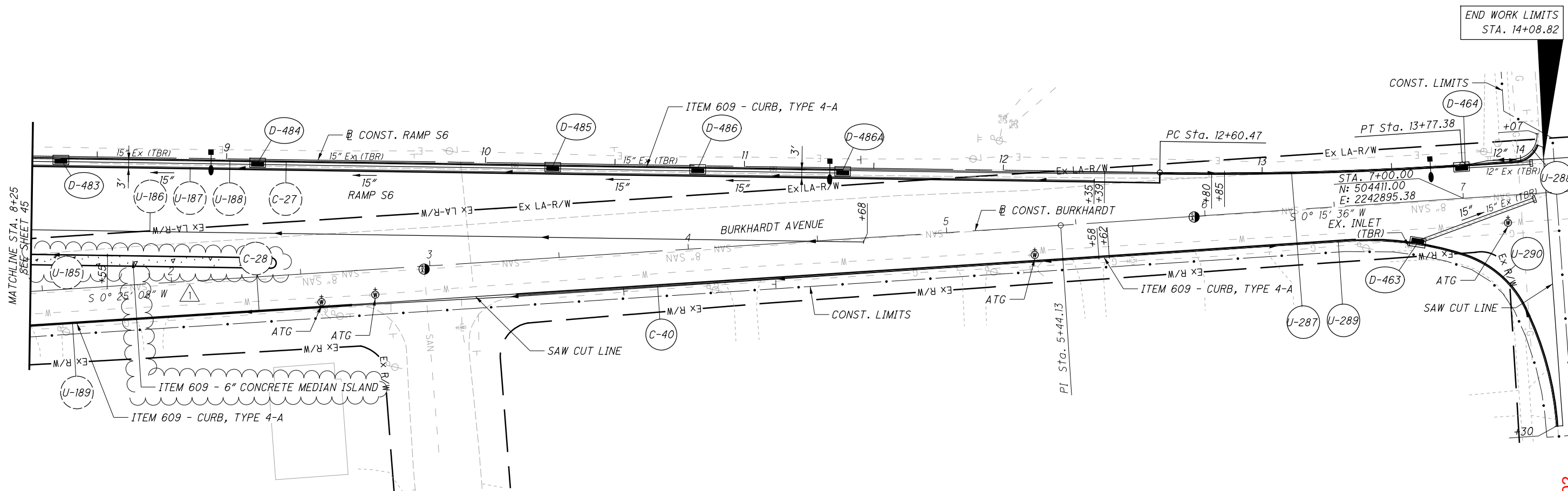
PROFILE - RAMP S7
 BEGIN TO STA. 5+14.23

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

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	11/28/23	RAMP MEDIAN ISLAND REVISION

CALCULATED
GLW
CHECKED
SRB

HORIZONTAL SCALE IN FEET



CROSS REFERENCES:
 FOR RAMP S6 PROFILE, SEE SHEET 73
 FOR RAMP S6 CROSS SECTIONS, SEE SHEETS 223 - 226
 FOR RAMP TERMINAL DETAILS, SEE SHEET 243
 FOR STORM SEWER PROFILES, D-463 & D-464, SEE SHEET 266

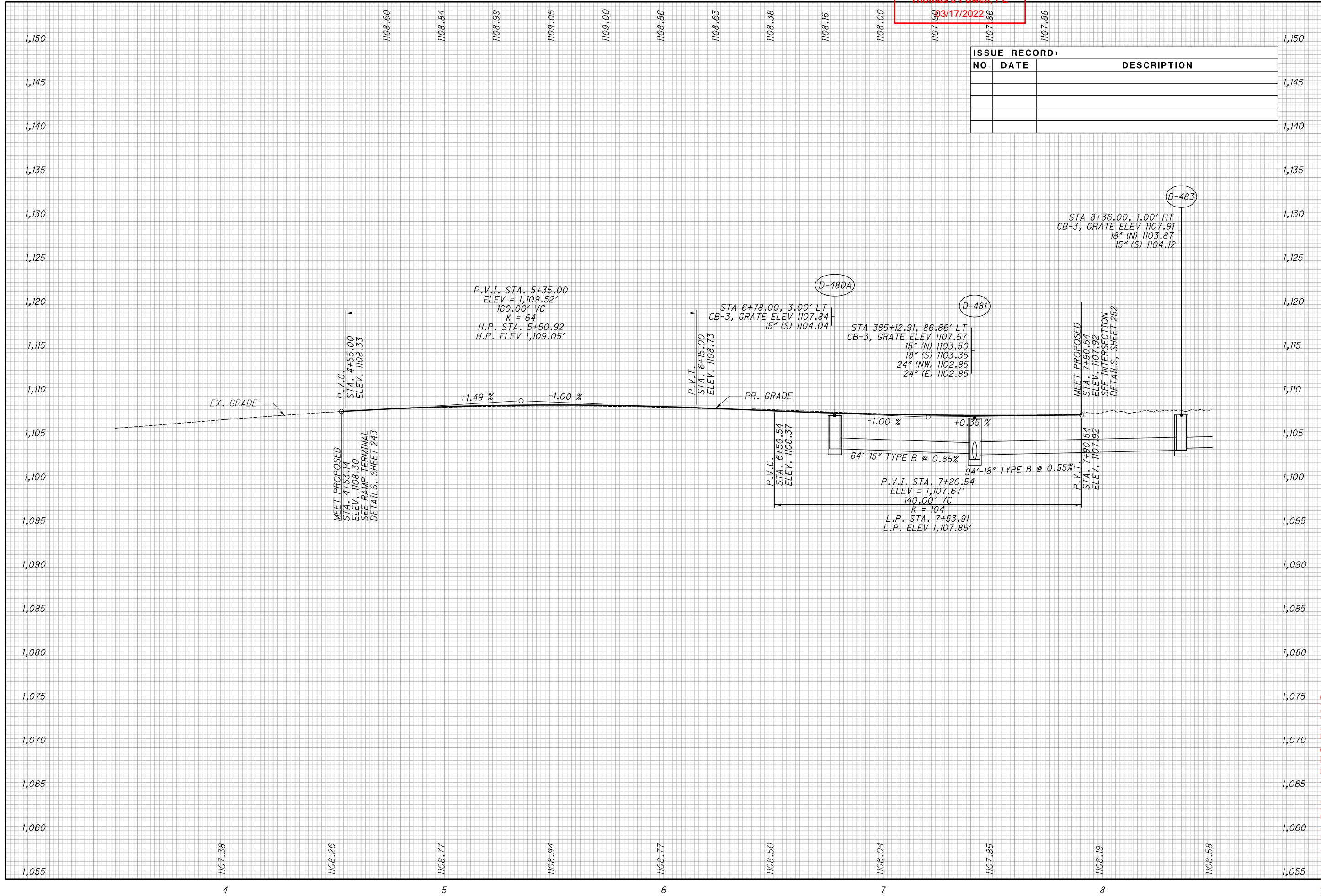
2024-02-16-BU 34 - RFC PLANS REV02

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

PLAN - RAMP S6
STA. 8+25 TO END

72
298

Released for Construction
 Thomas J Powell, PE
 03/17/2022



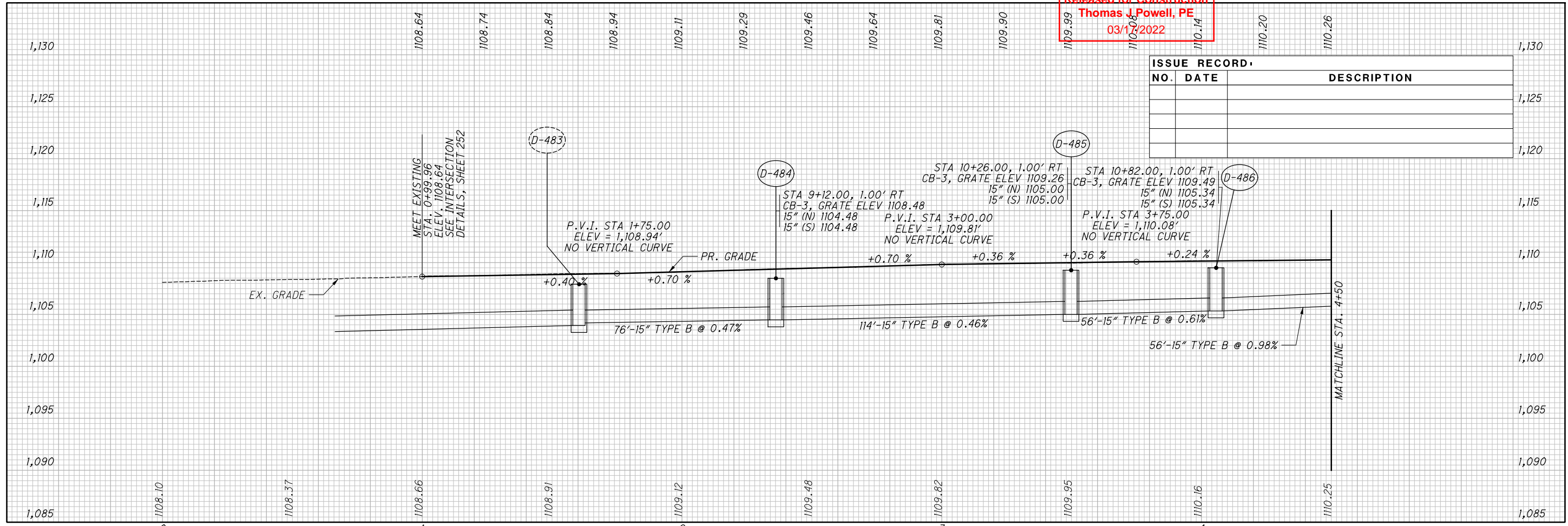
ISSUE RECORD		
NO.	DATE	DESCRIPTION

CALCULATED SGM
 CHECKED JDD

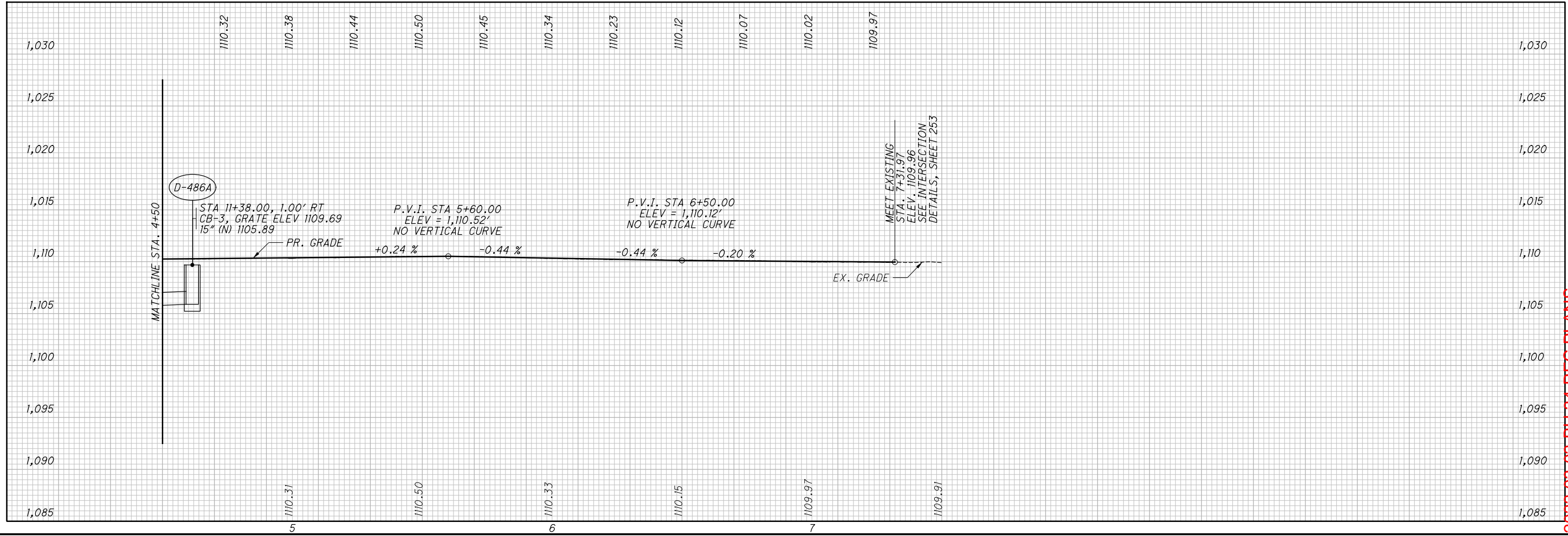
PROFILE - RAMP S6
 STA. 4+53.14 TO END

2022-03-02-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 73
 298

Released for Construction
 Thomas J. Powell, PE
 03/10/2022



ISSUE RECORD:		
NO.	DATE	DESCRIPTION



CALCULATED GF
 CHECKED JFM

PROFILE - BURKHARDT AVENUE AT RAMP S6

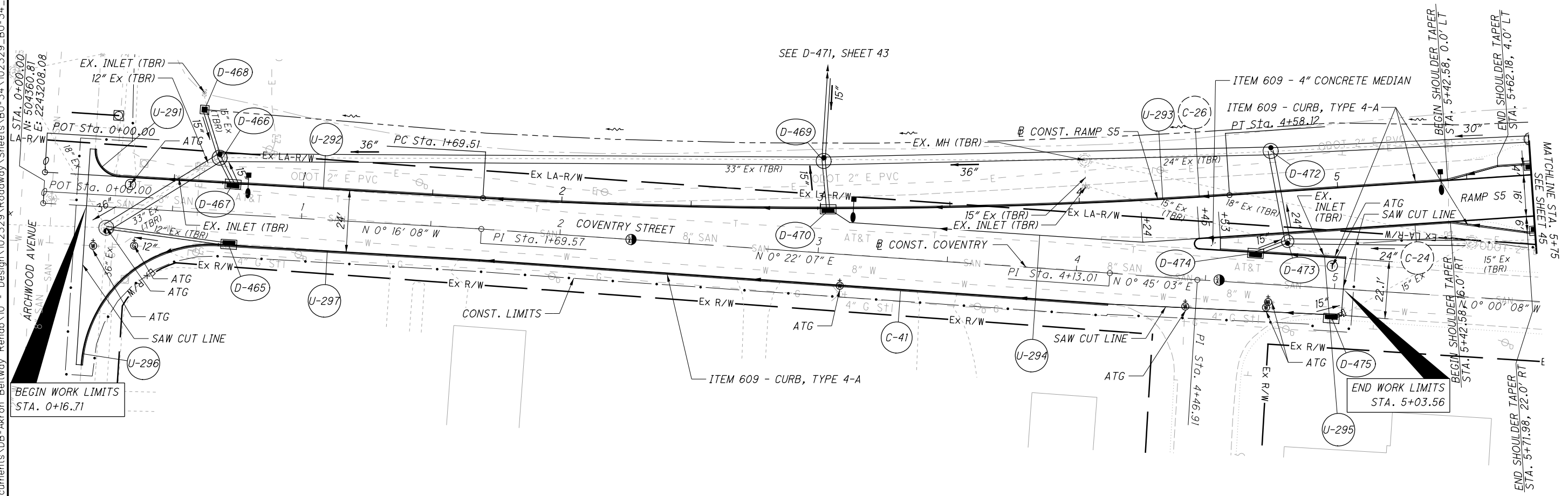
2022-03-02-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SRB

HORIZONTAL SCALE IN FEET

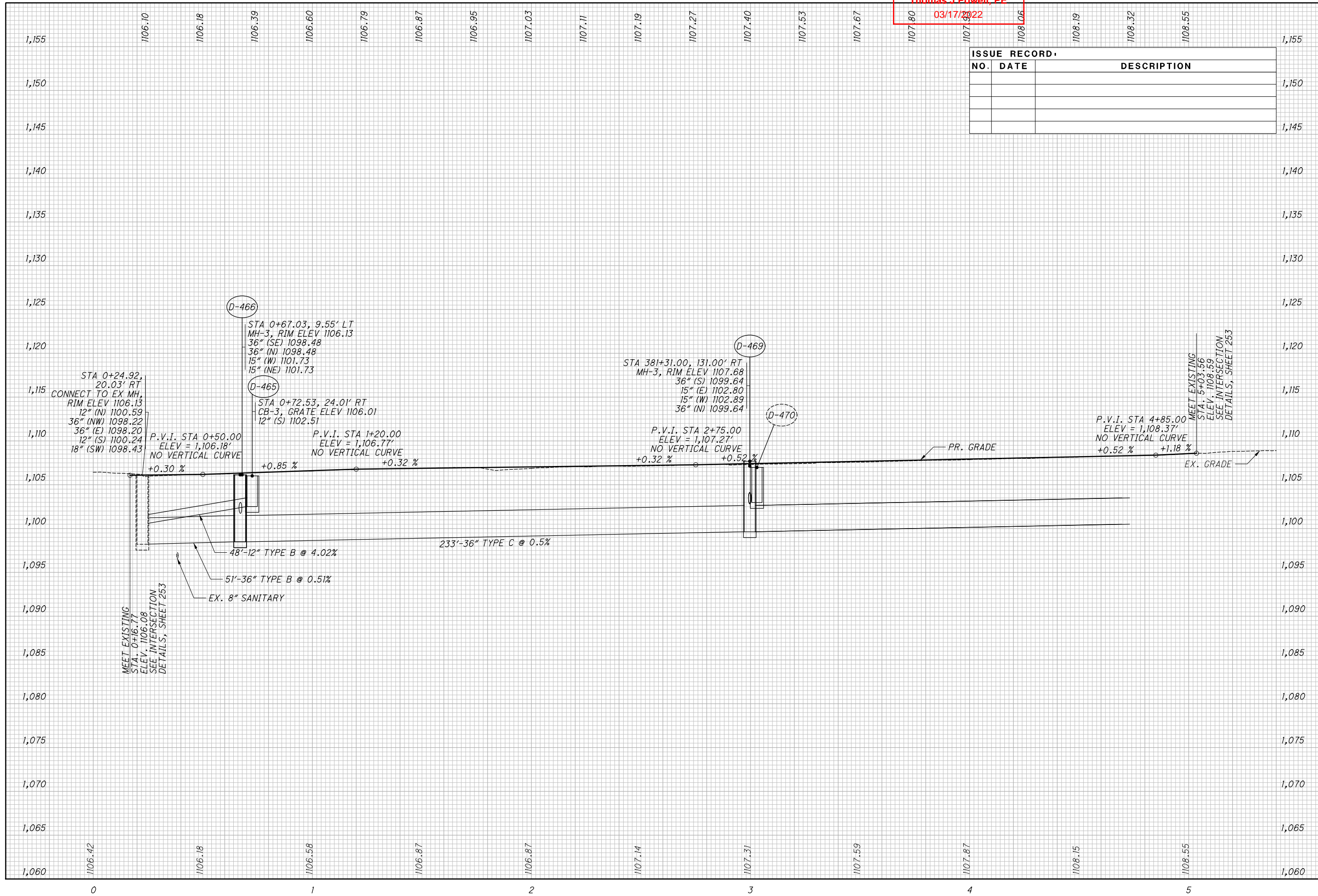


CROSS REFERENCES:
 FOR RAMP S5 PROFILE, SEE SHEET 77
 FOR RAMP S5 CROSS SECTIONS, SEE SHEETS 227 - 232
 FOR RAMP TERMINAL DETAILS, SEE SHEET 244
 FOR STORM SEWER PROFILES, SEE SHEETS 266 - 267

**PLAN - RAMP S5
 BEGIN TO STA. 5+75**

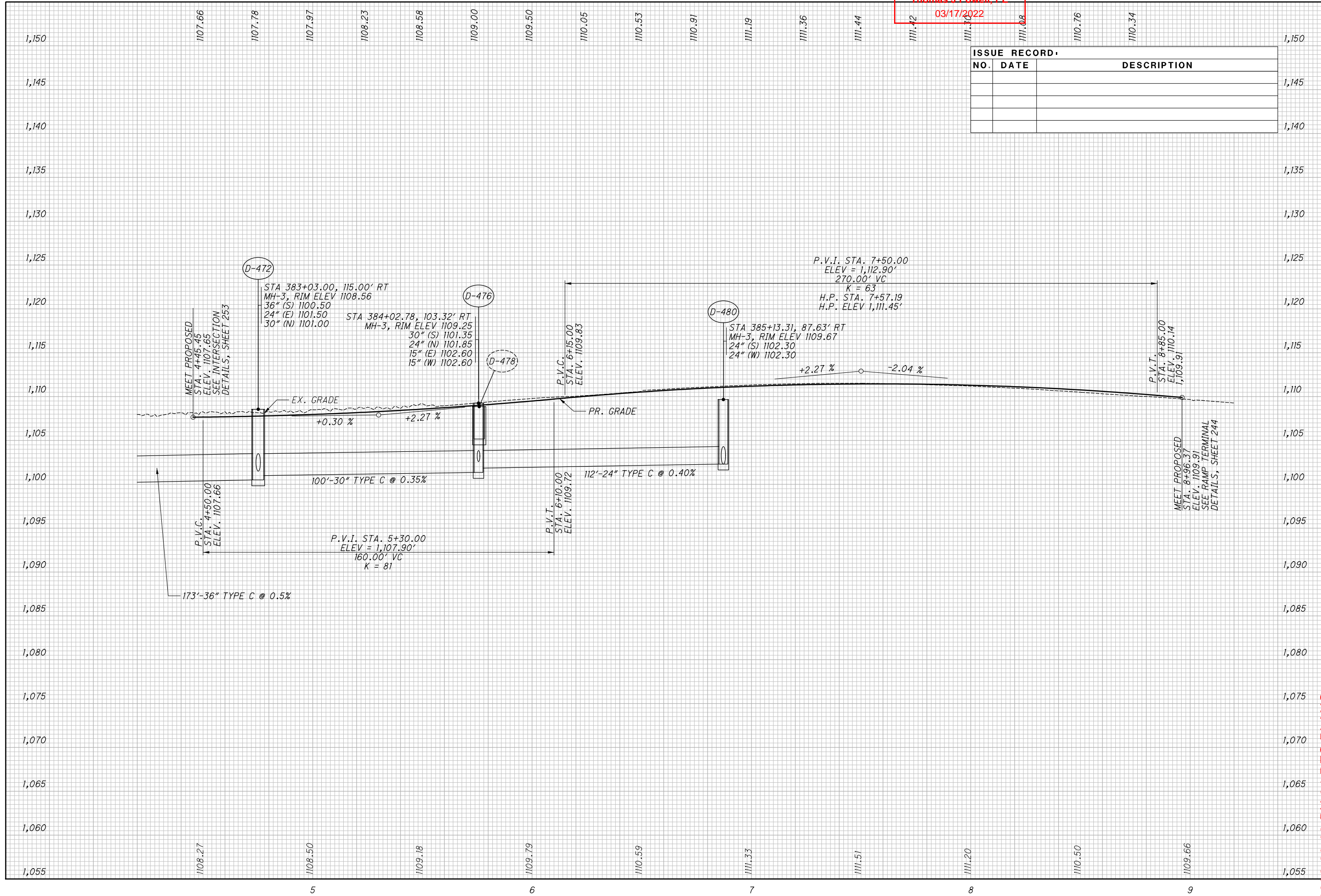
**2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00**

Released for Construction
 Thomas J Powell, PE
 03/17/2022



ISSUE RECORD		
NO.	DATE	DESCRIPTION

Released for Construction
 Thomas J Powell, PE
 03/17/2022

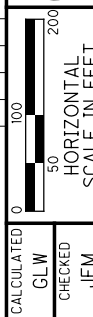


ISSUE RECORD		
NO.	DATE	DESCRIPTION

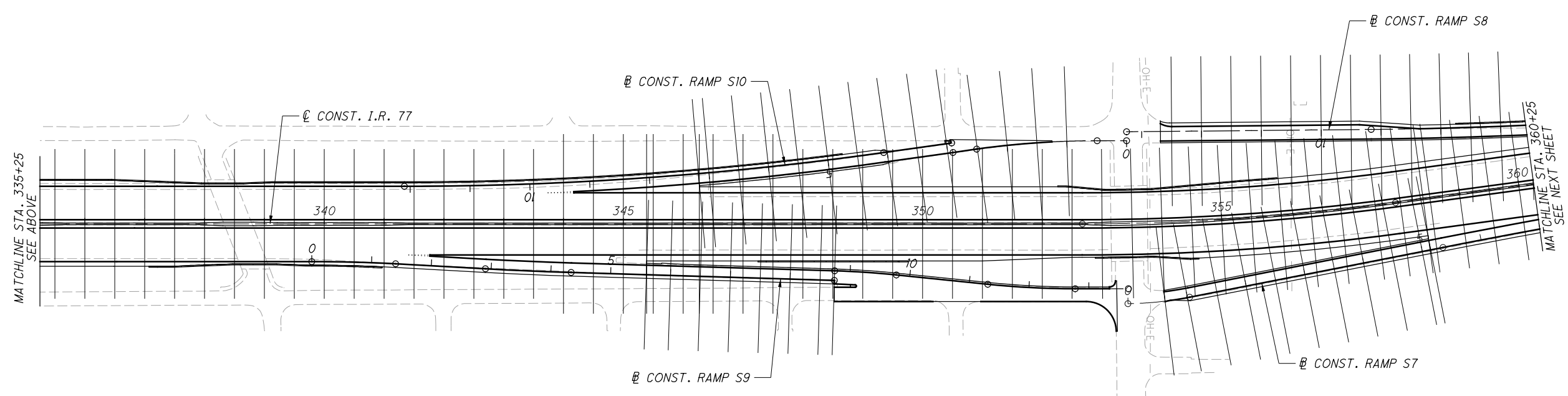
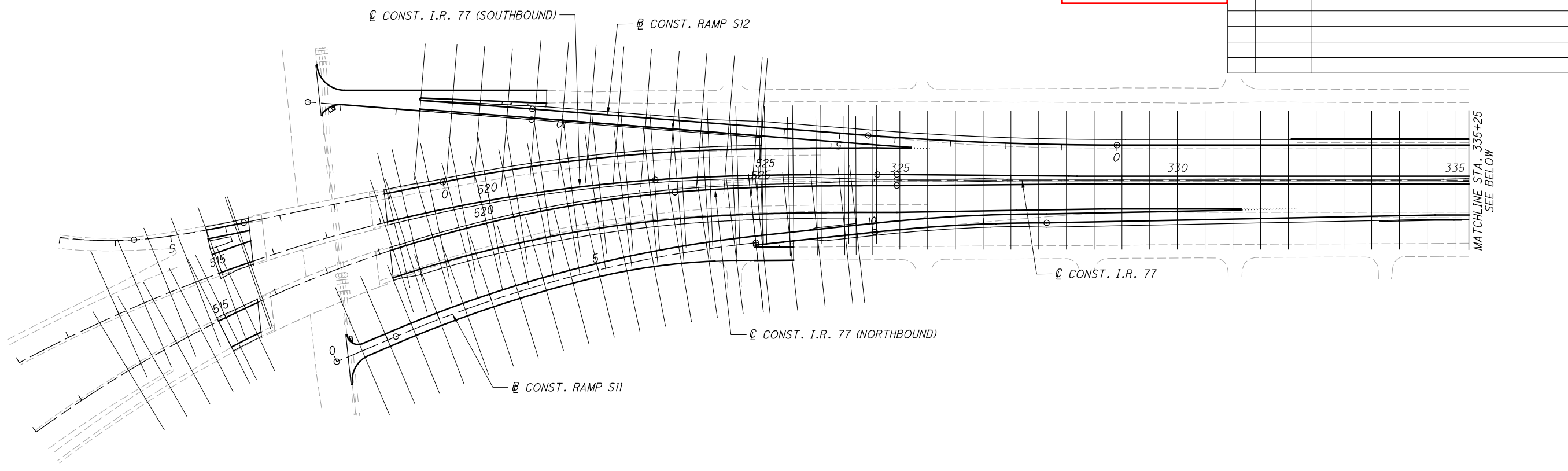
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:

NO.	DATE	DESCRIPTION



CALCULATED
GLW
CHECKED
JFM

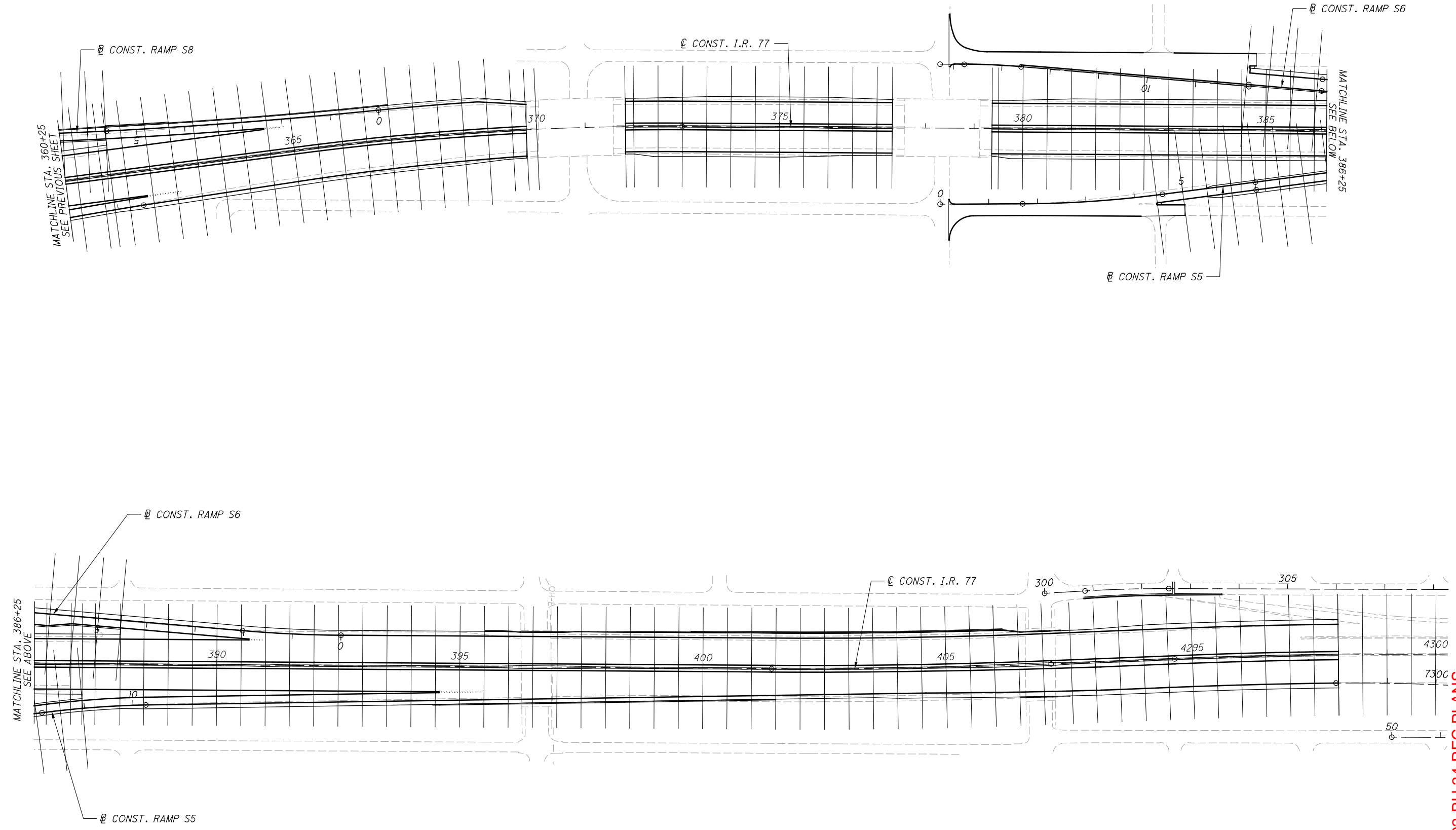


CROSS SECTION LAYOUT PLAN

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



CROSS SECTION LAYOUT PLAN

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

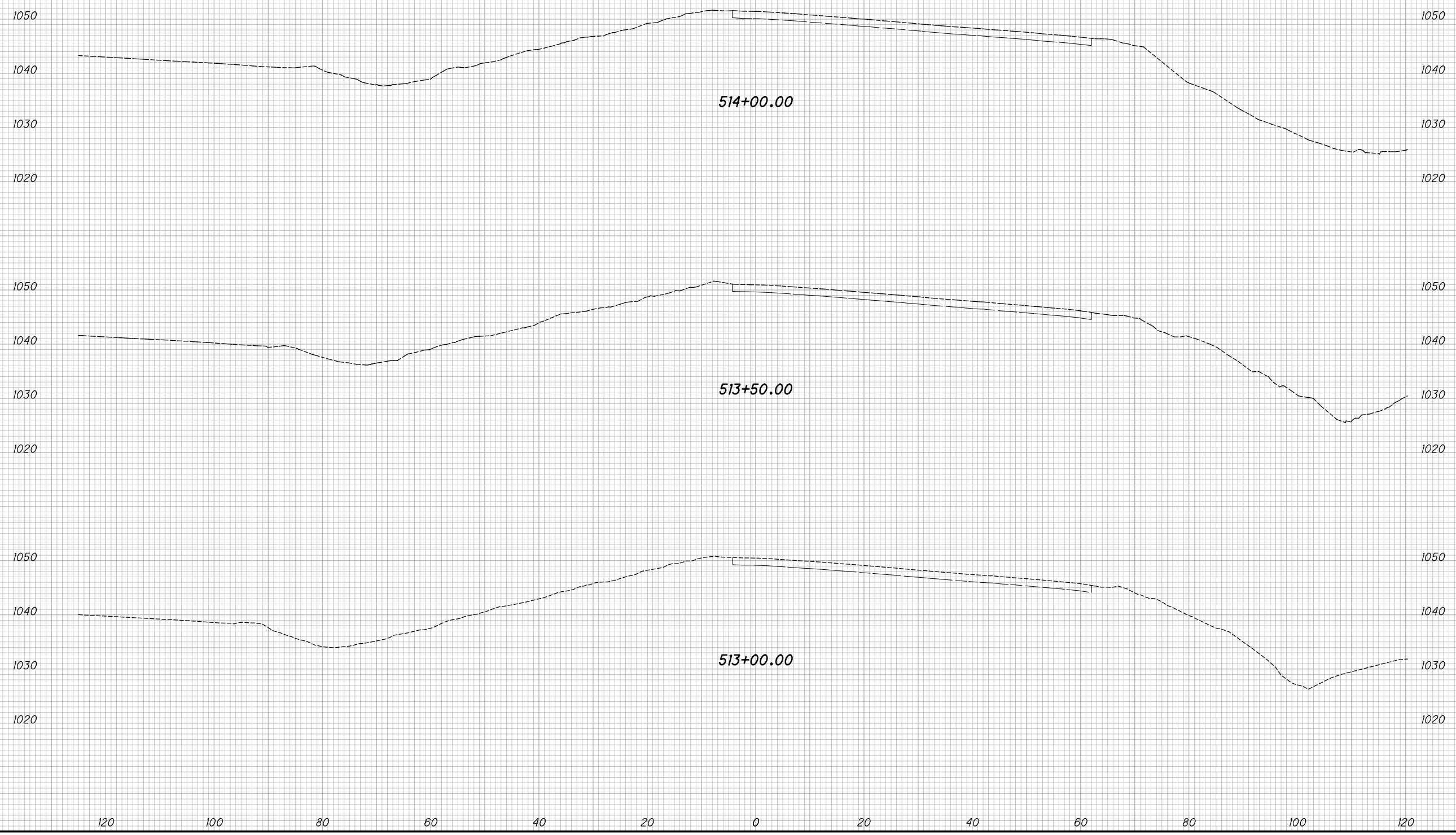
X5001

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	JDD	JFM	JDD	JFM



CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 513+00.00 TO STA. 514+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

80
298

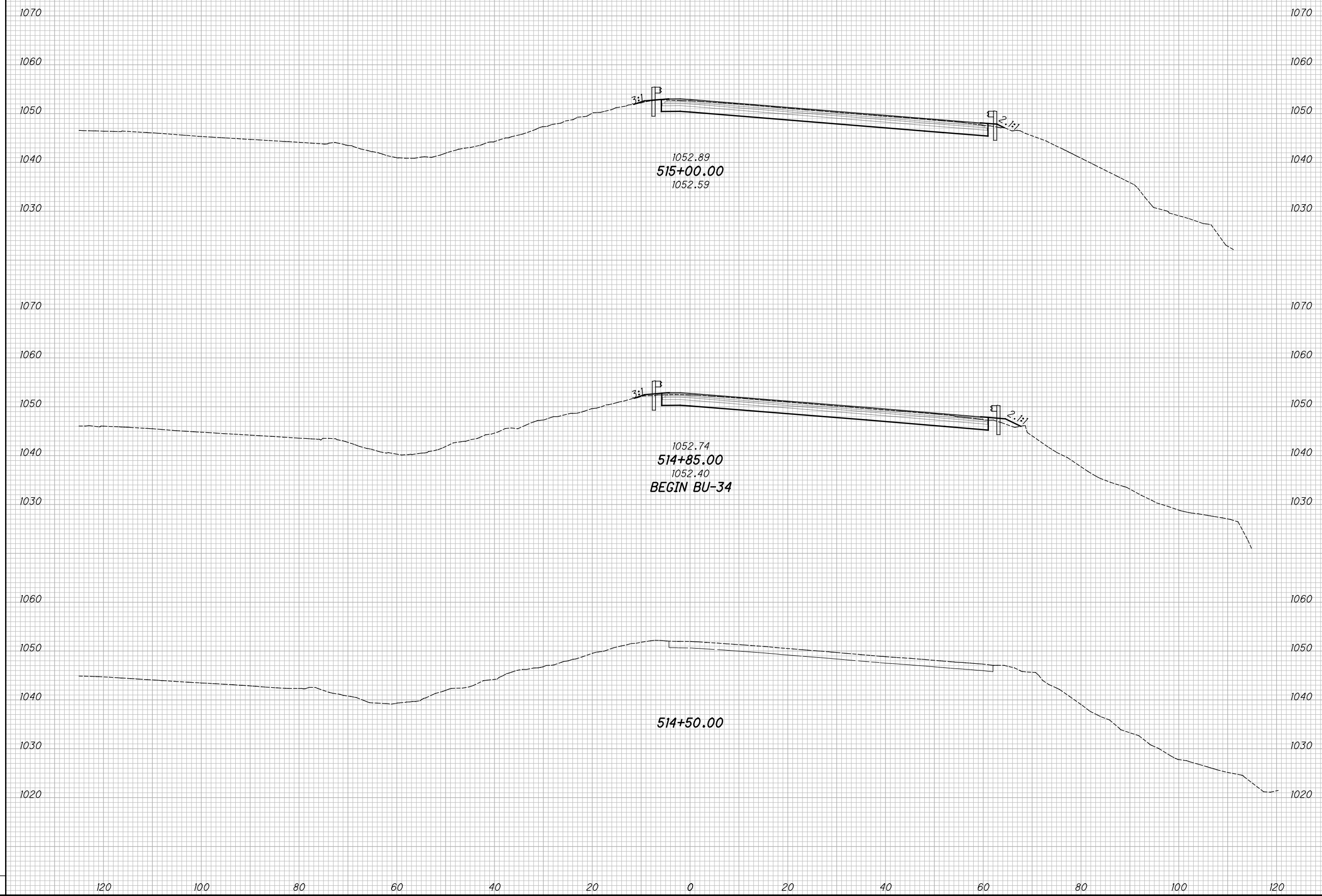
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xs002

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 514+50.00 TO STA. 515+00.00

81
298

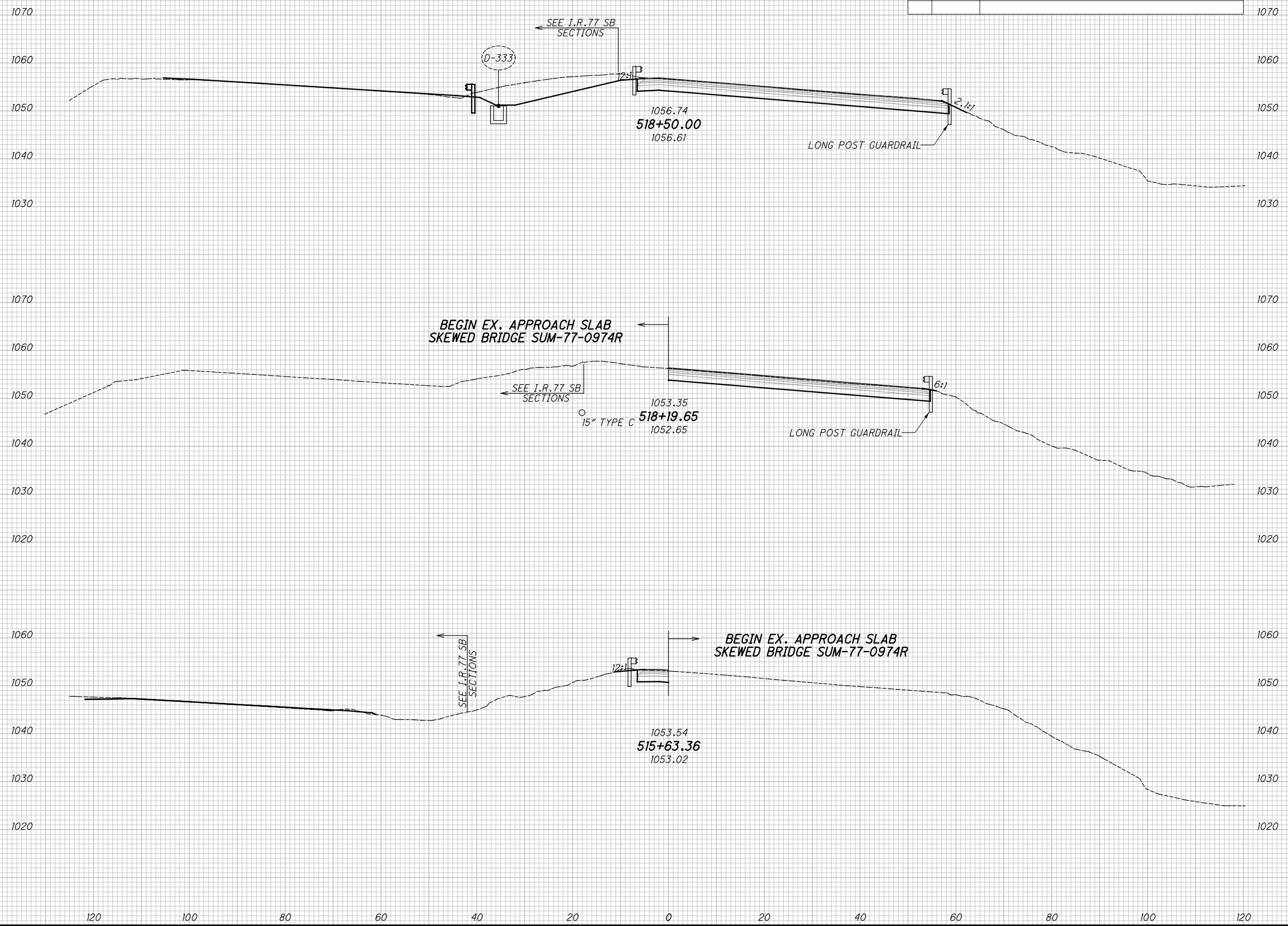
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 515+63.36 TO STA. 518+50.00

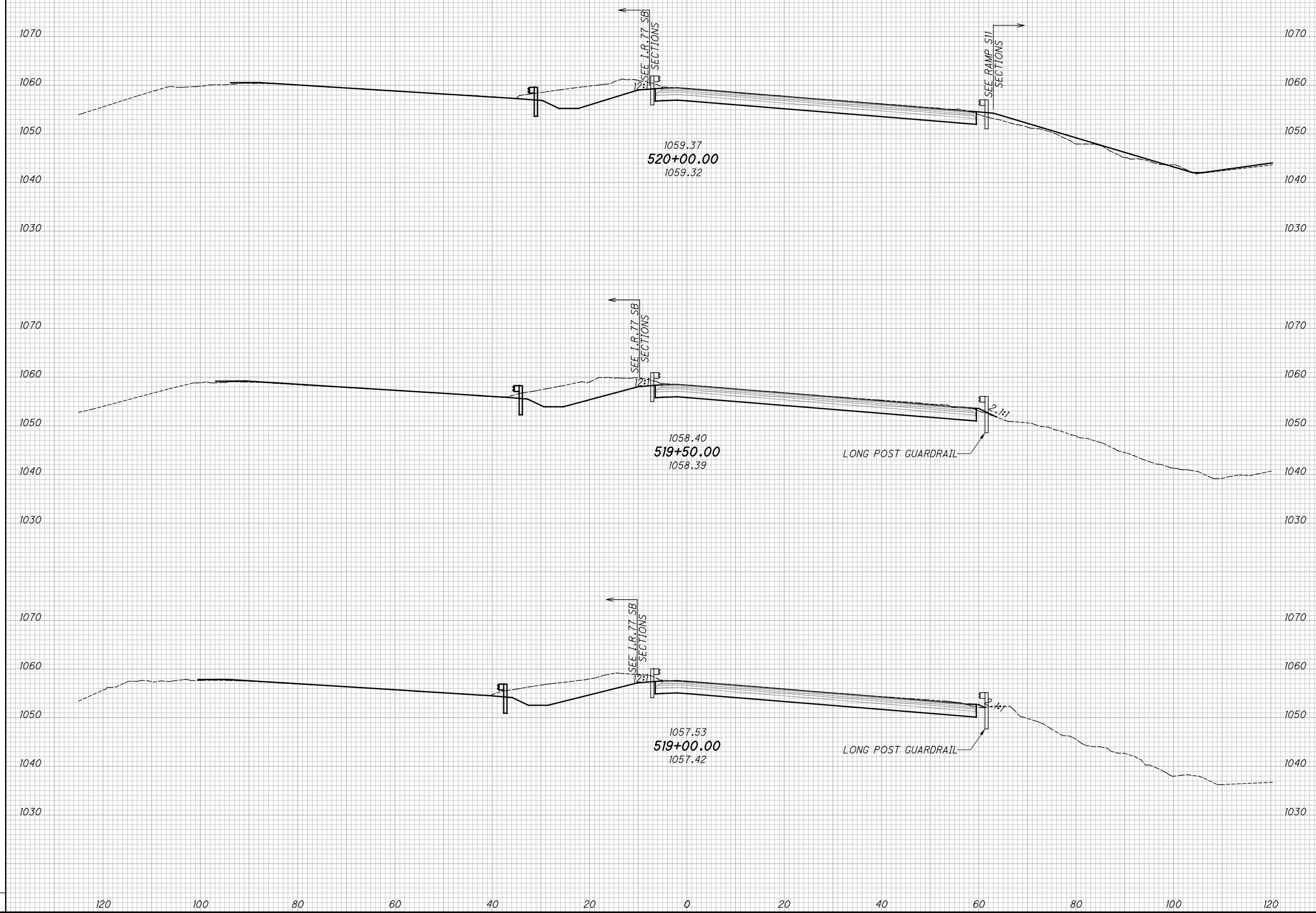
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xs004

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 519+00.00 TO STA. 520+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

83
298

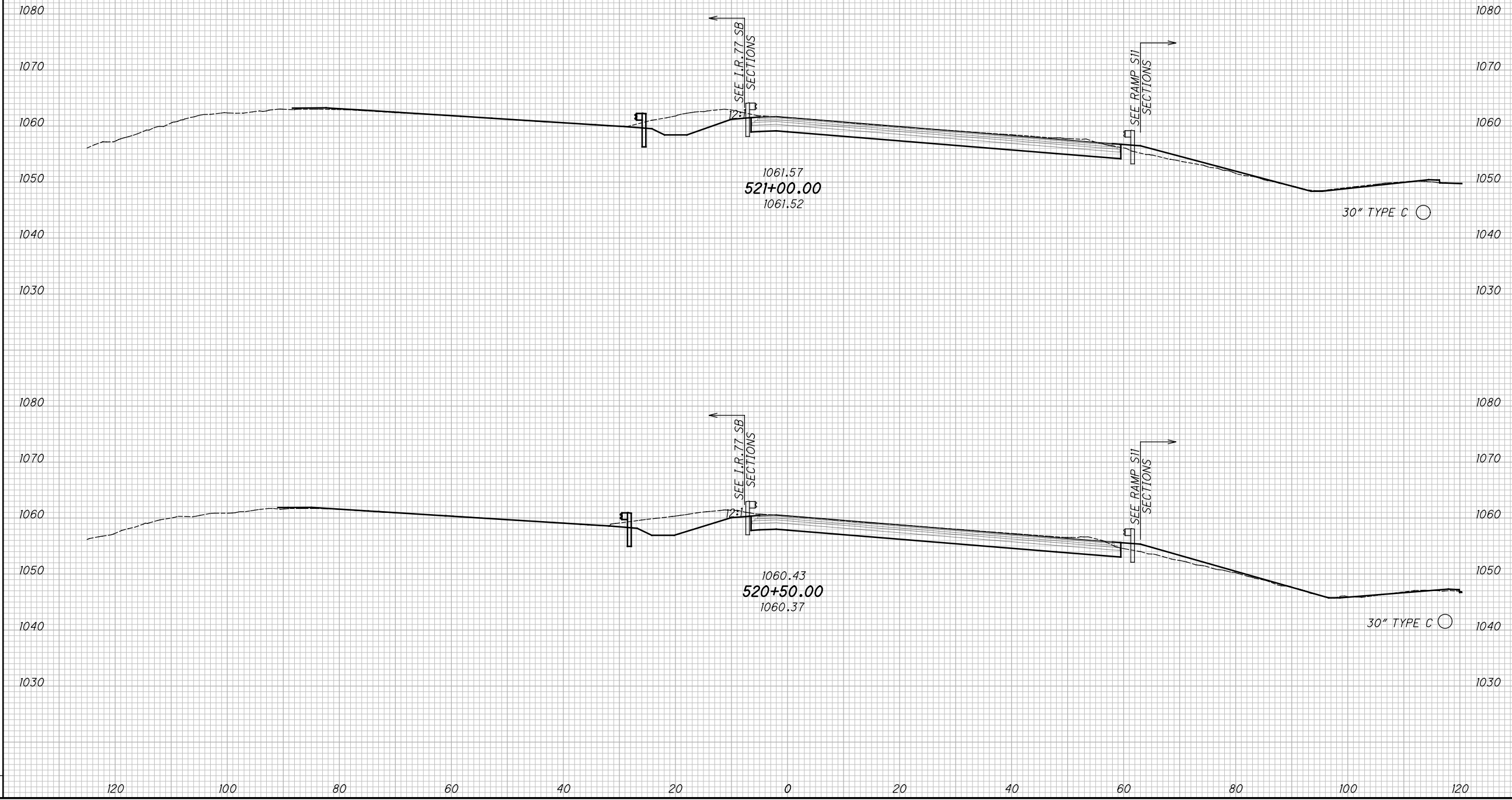
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xs005

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	03/17/2022	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 520+50.00 TO STA. 521+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

84
298

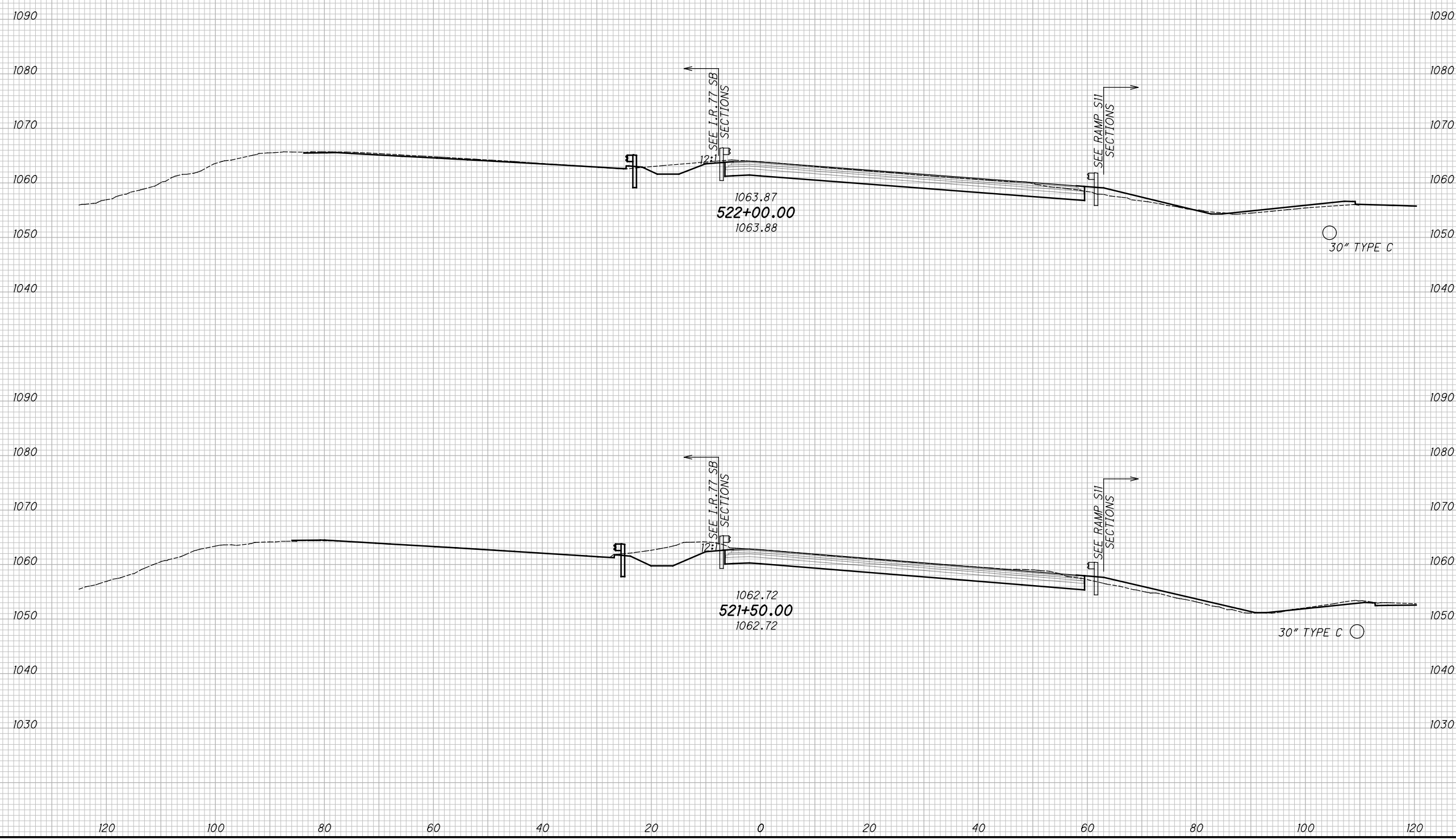
XS006

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 521+50.00 TO STA. 522+00.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

85
298

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xs007

SEEDING
END SO.
WIDTH YDS.

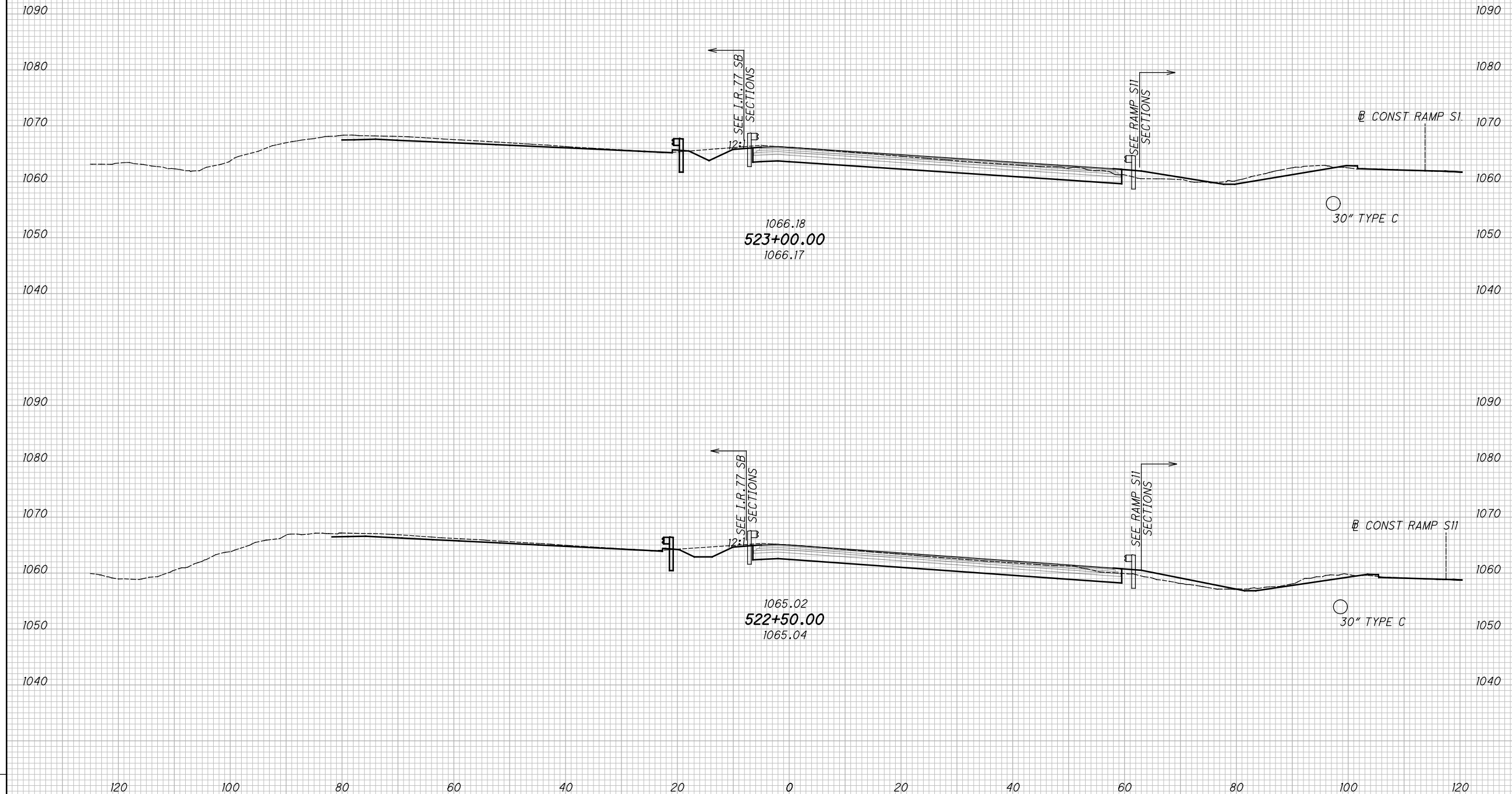
ISSUE NO.	001	Construction
DATE	03/17/2022	
BY	Thomas J Powell, PE	
DESCRIPTION		

END AREA
CUT FILL

VOLUME
CUT FILL

CALCULATED
JDD

CHECKED
JFM



CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 522+50.00 TO STA. 523+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

86
298

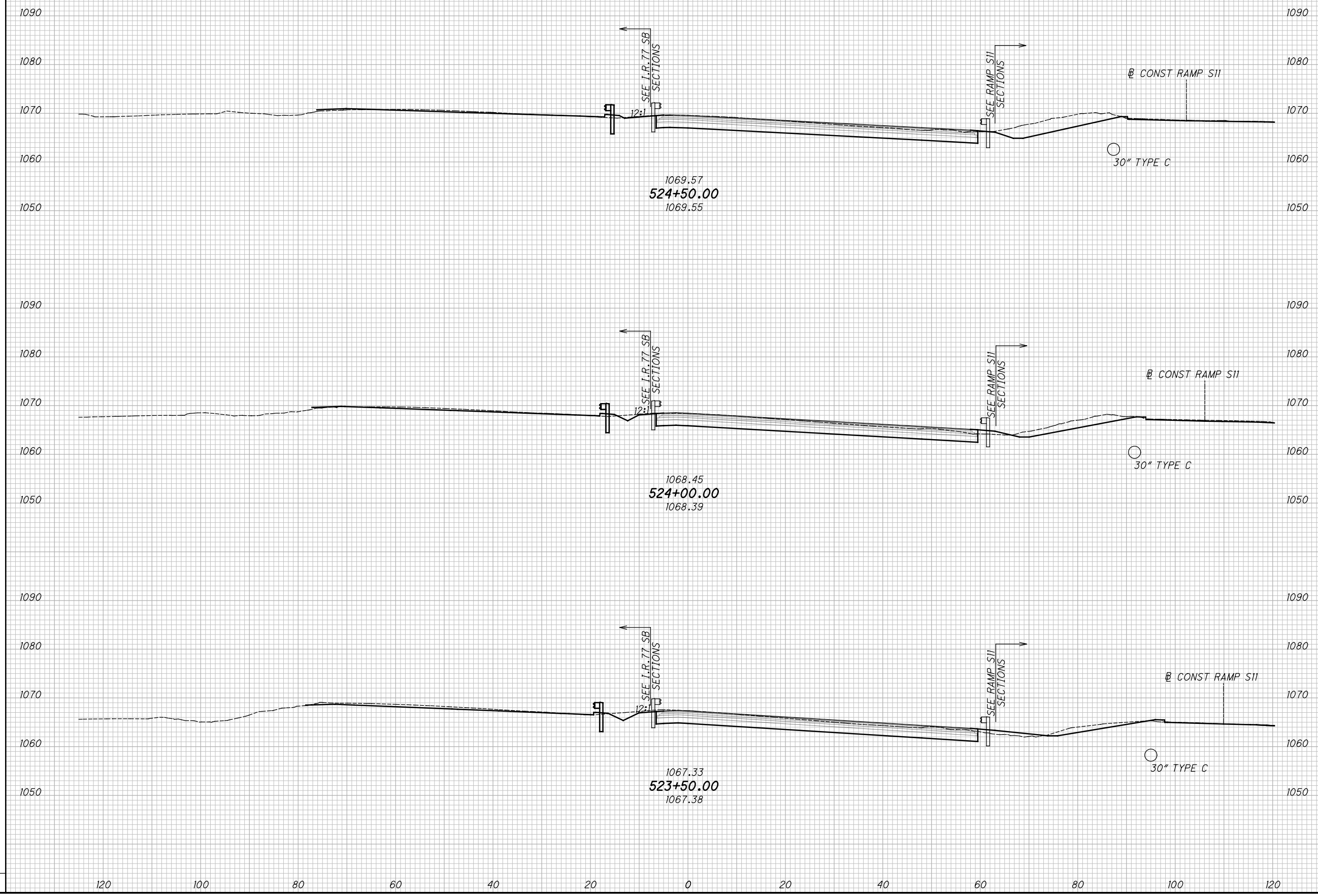
xs008

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 523+50.00 TO STA. 524+50.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

87
298

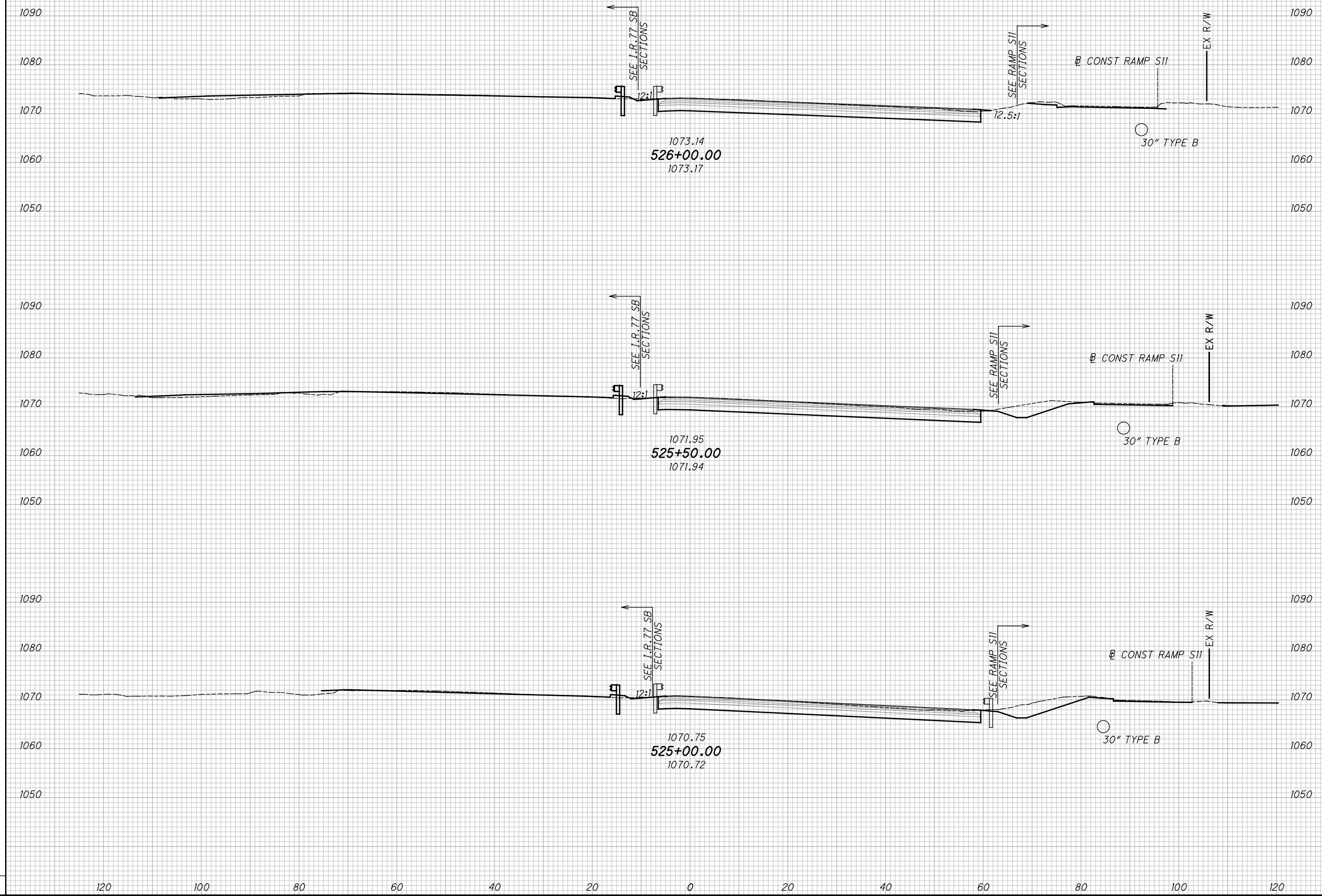
xs009

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SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
001	Release for Construction
002	Thomas J Powell, PE
003	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



CROSS SECTIONS - I.R. 77 NORTHBOUND
STA. 525+00.00 TO STA. 526+00.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

88
298

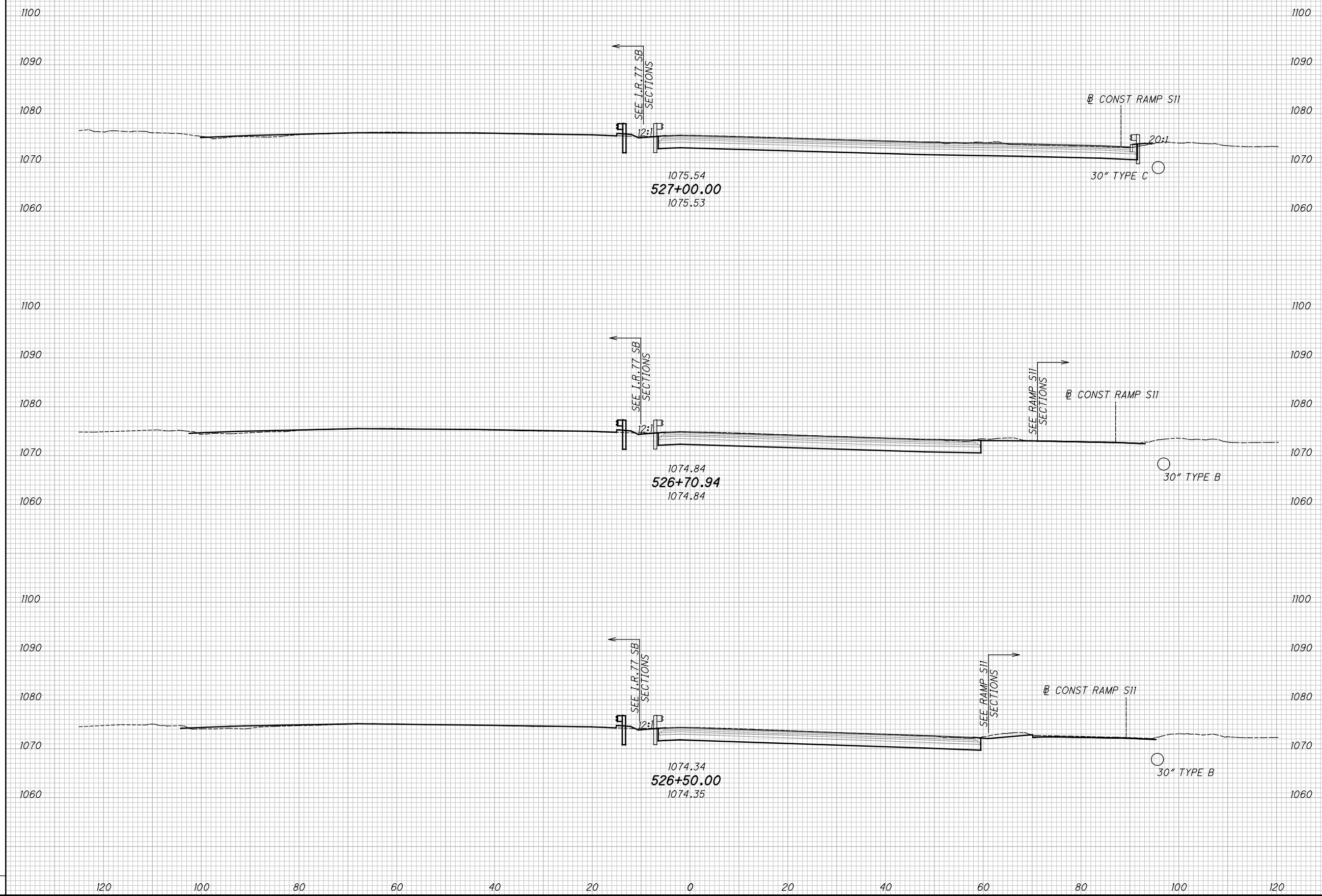
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XS001

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED				
				CUT	FILL	CUT	FILL
<p style="text-align: center;">CROSS SECTIONS - I.R. 77 NORTHBOUND</p> <p style="text-align: center;">STA. 526+50.00 TO STA. 527+00.00</p>							
<p style="text-align: center;">2022-03-02-BU 34-RFC PLANS</p> <p style="text-align: center;">SUM - 76 / 77 / 8 -</p> <p style="text-align: center;">8.24 / 9.74 / 0.00</p>							
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89							
298							



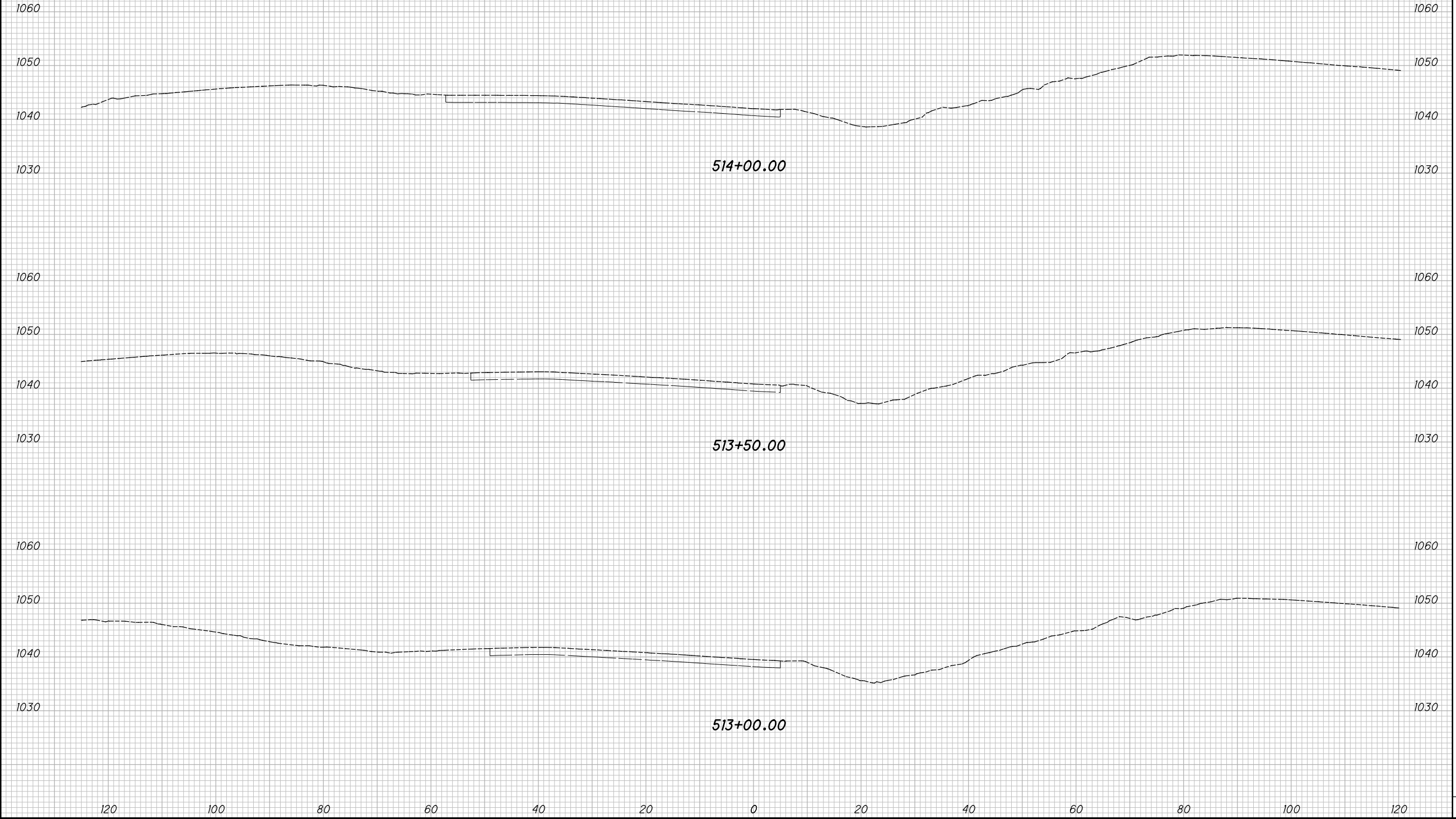
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xs01

SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	03/17/2022	DESCRIPTION
NO.	03/17/2022	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77 SOUTHBOUND
STA. 513+00.00 TO STA. 514+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

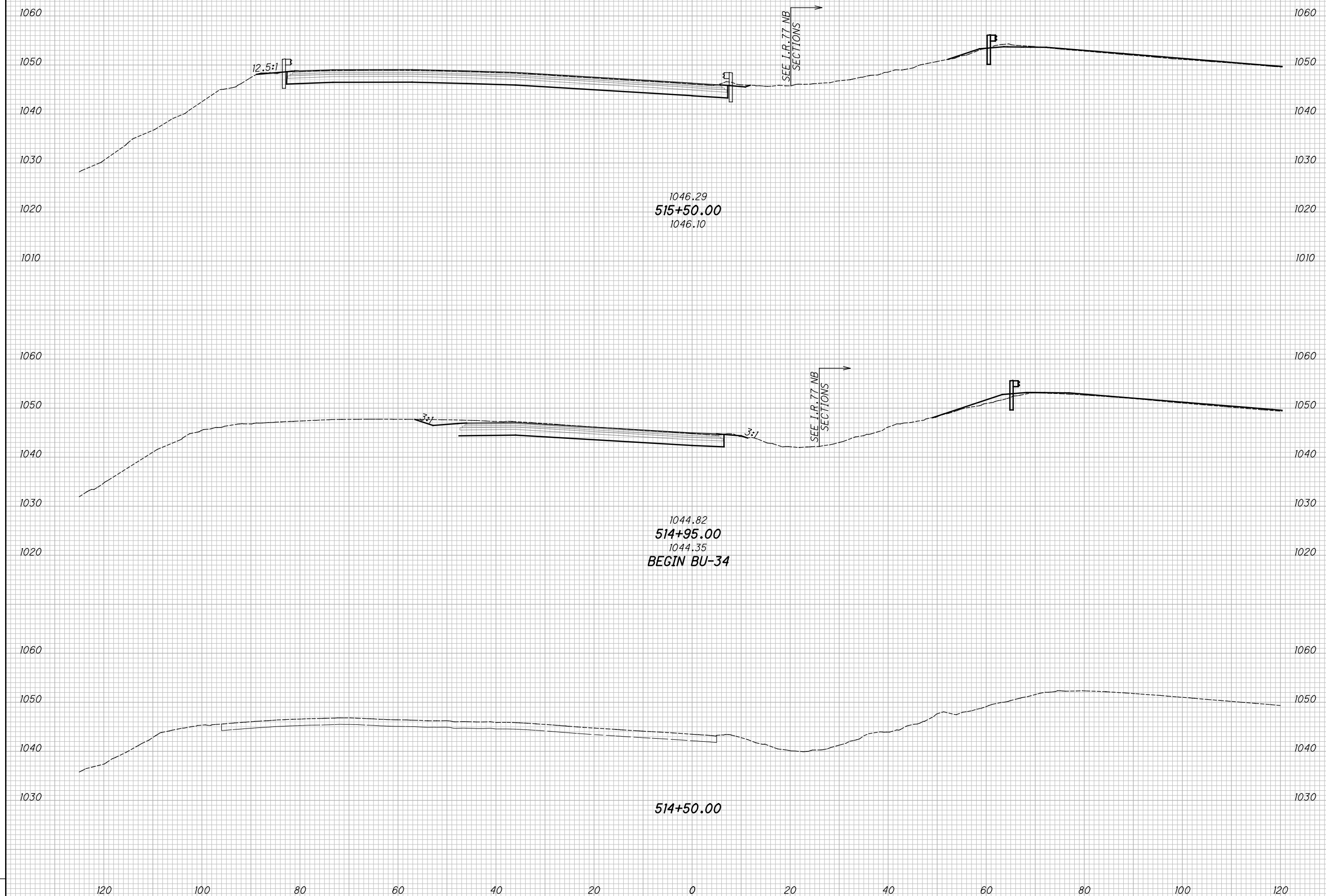
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SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	03/17/2022	DESCRIPTION
01	03/17/2022	Construction
02		
03		
04		

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



**CROSS SECTIONS - I.R. 77 SOUTHBOUND
STA. 514+95.00 TO STA. 515+50.00**

**2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00**

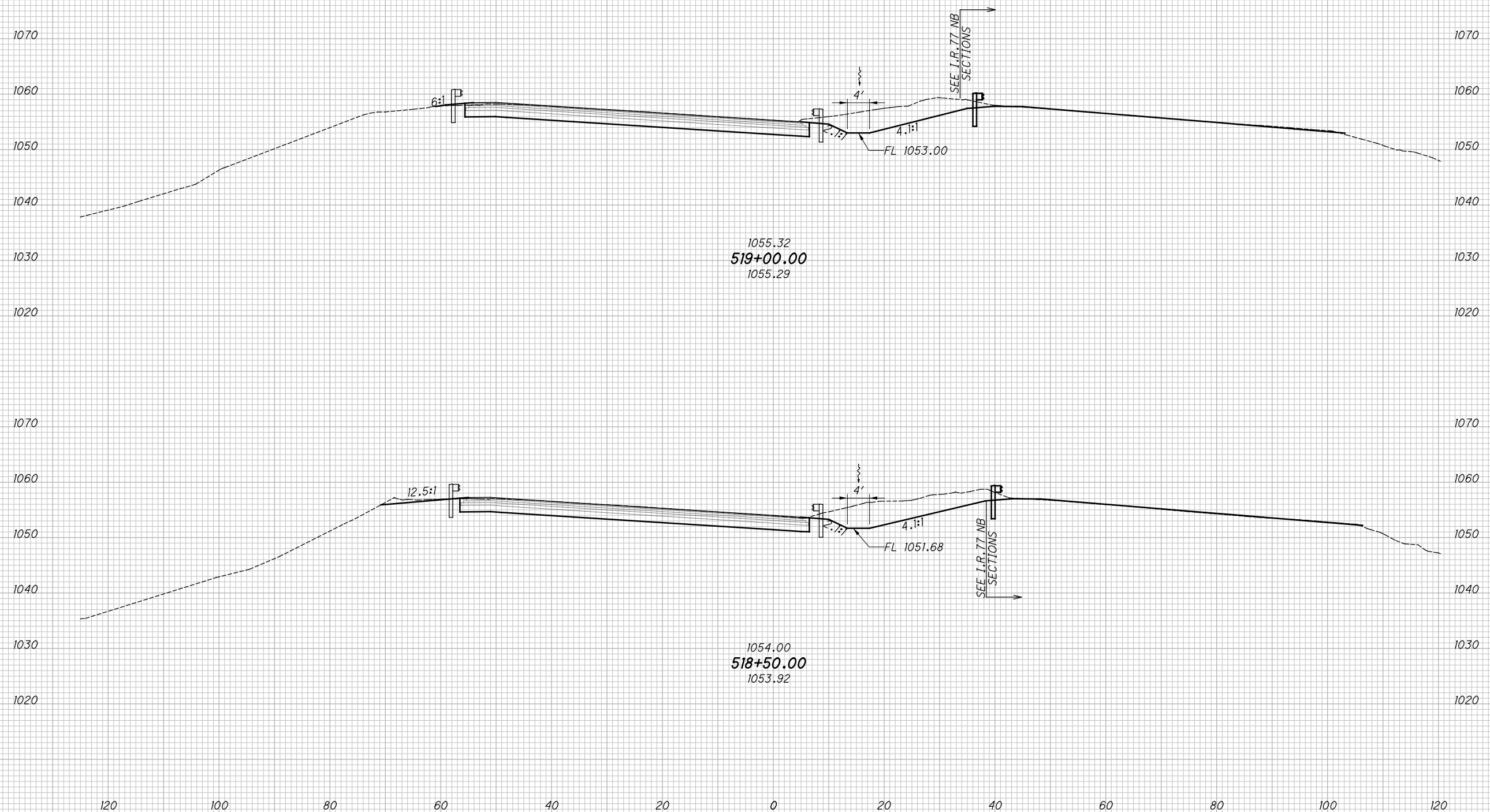
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Xs014
SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
CROSS SECTIONS - I.R. 77 SOUTHBOUND
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

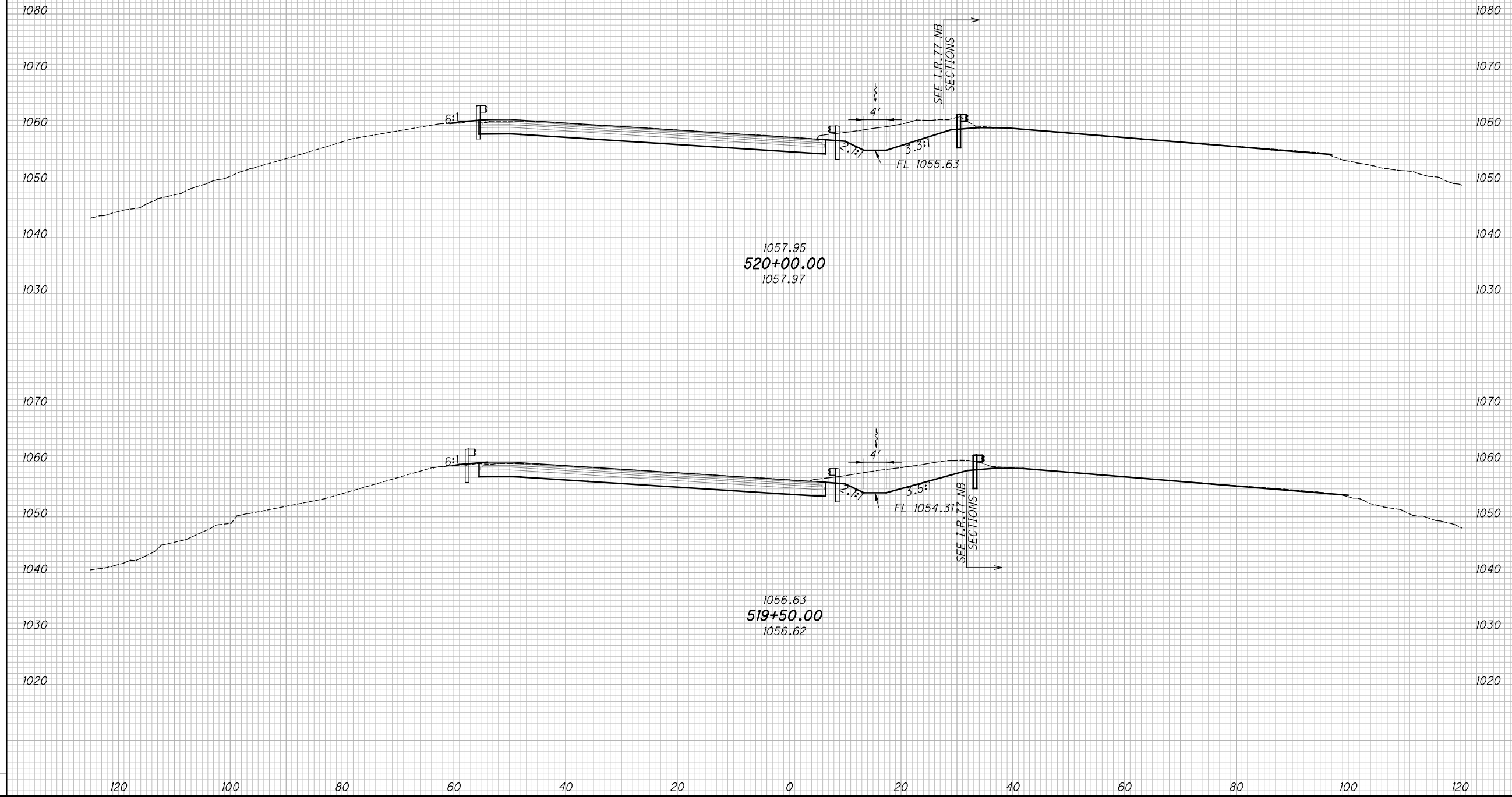
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298

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SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



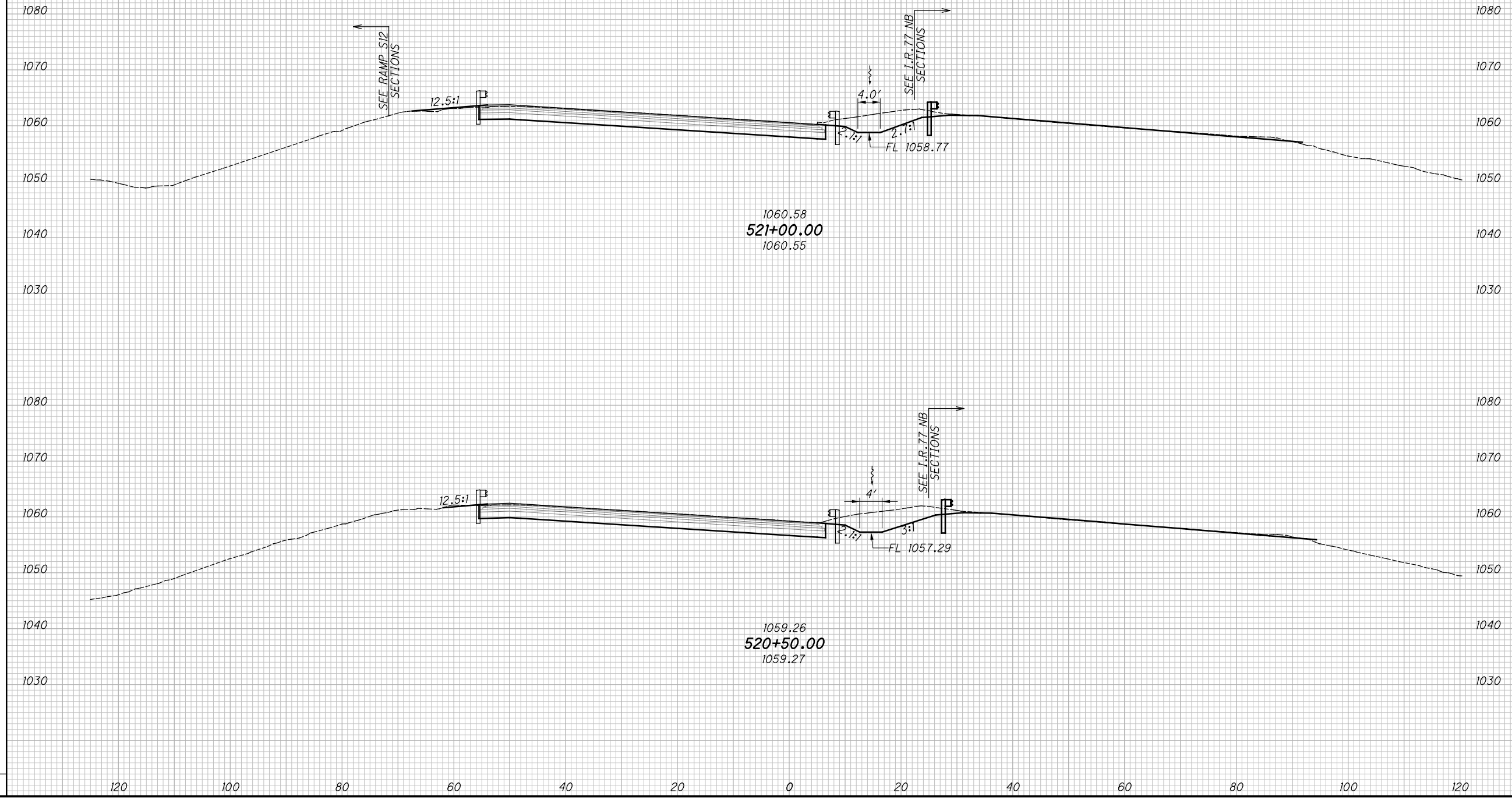
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SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77 SOUTHBOUND
STA. 519+50.00 TO STA. 520+00.00

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
JDD	JFM
2022-03-02-BU 34-RFC PLANS SUM-76 / 77 / 8- 8.24 / 9.74 / 0.00	



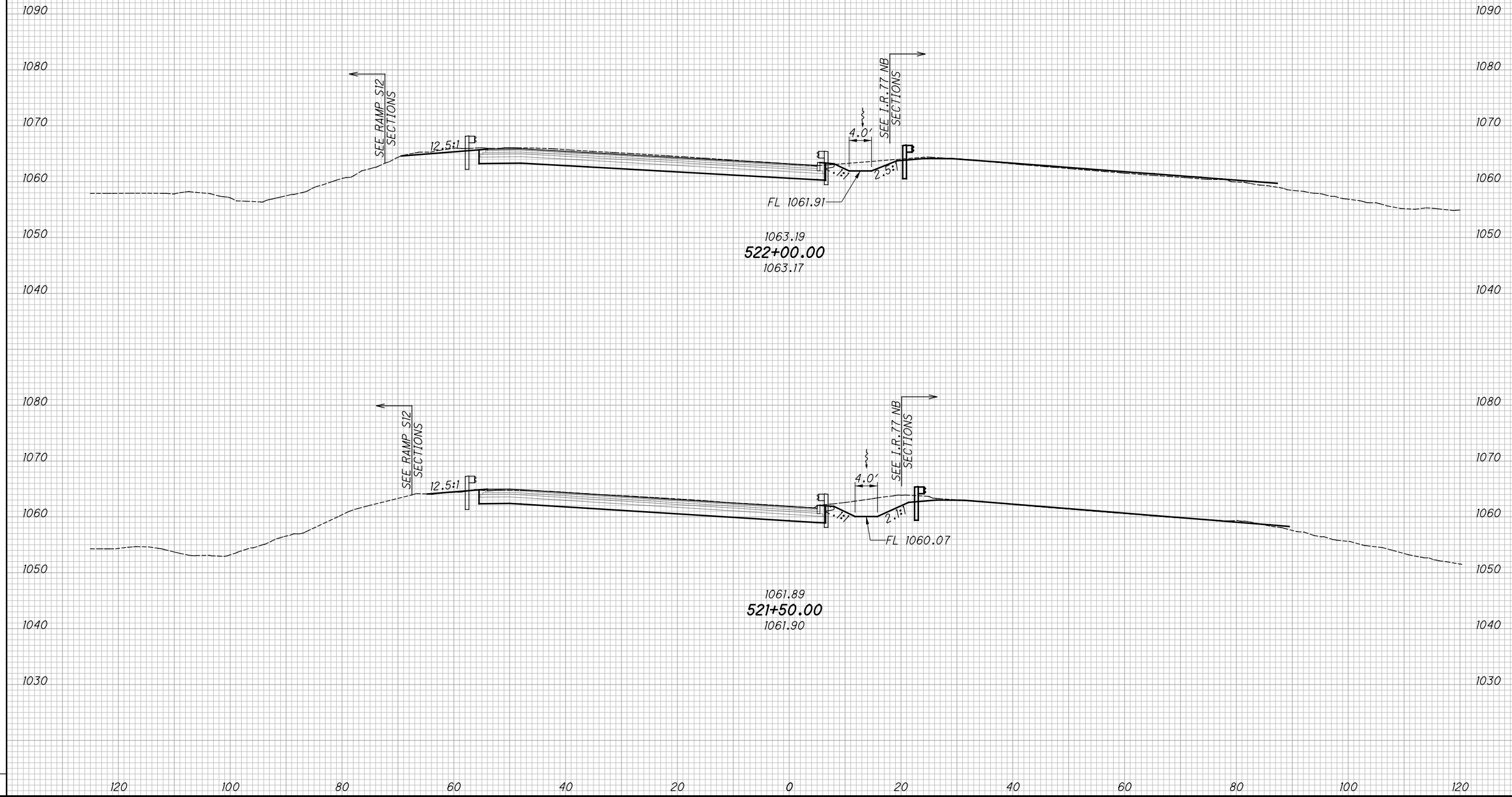
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Xs017

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77 SOUTHBOUND
STA. 521+50.00 TO STA. 522+00.00

96
298

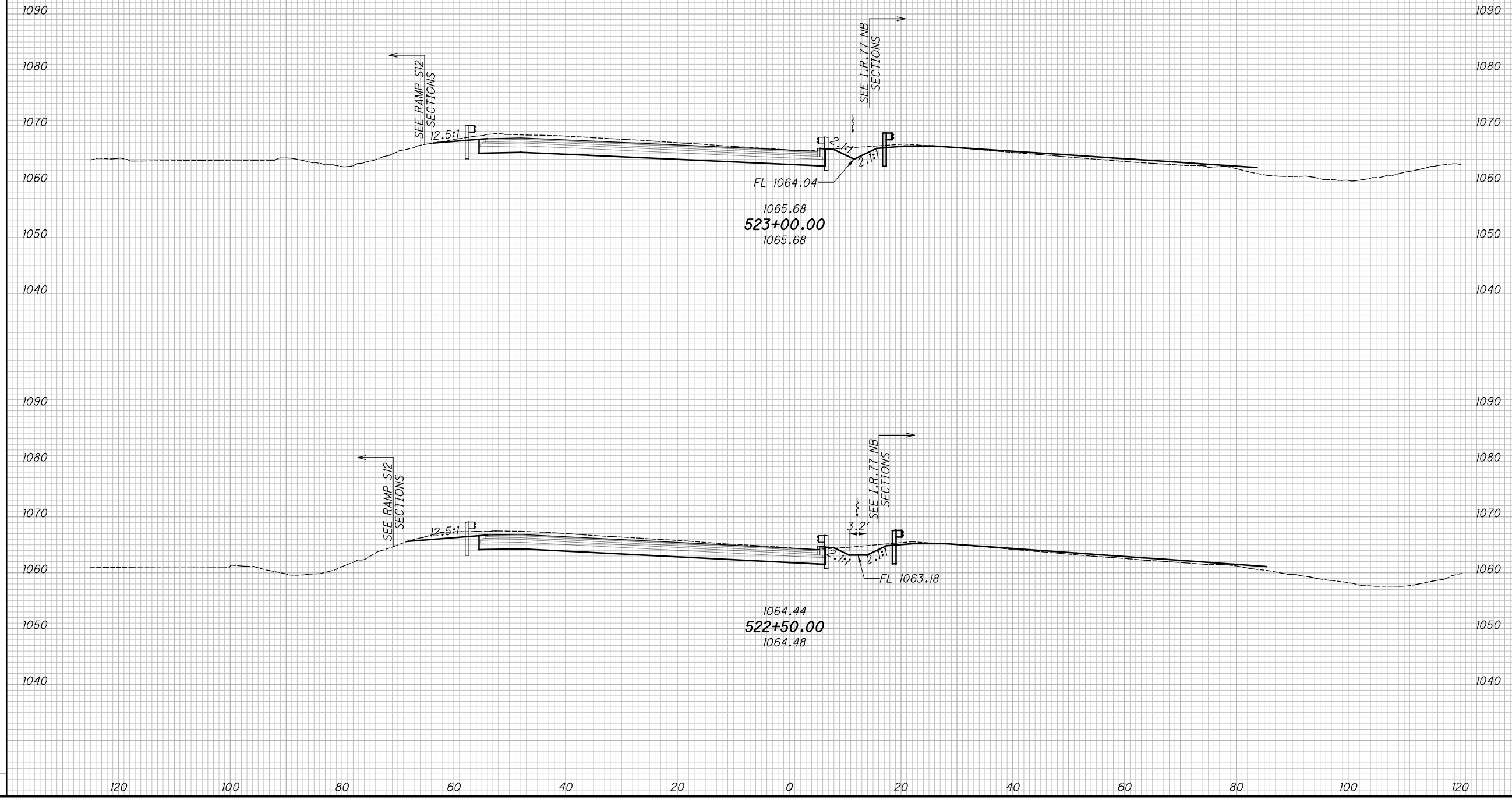
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77 SOUTHBOUND
STA. 522+50.00 TO STA. 523+00.00

97
298

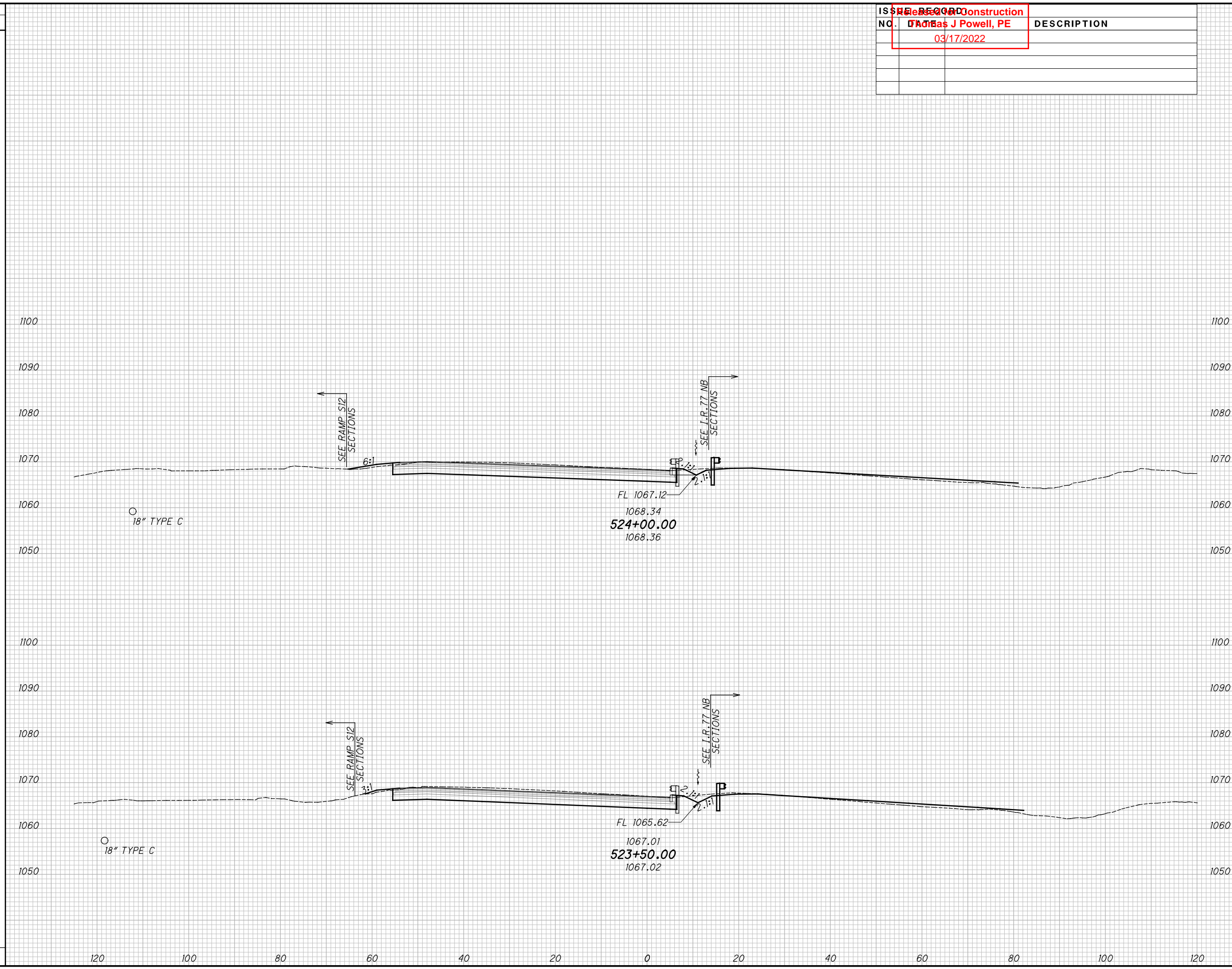
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XSO19

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	03/17/2022	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77 SOUTHBOUND
STA. 523+50.00 TO STA. 524+00.00

98
298

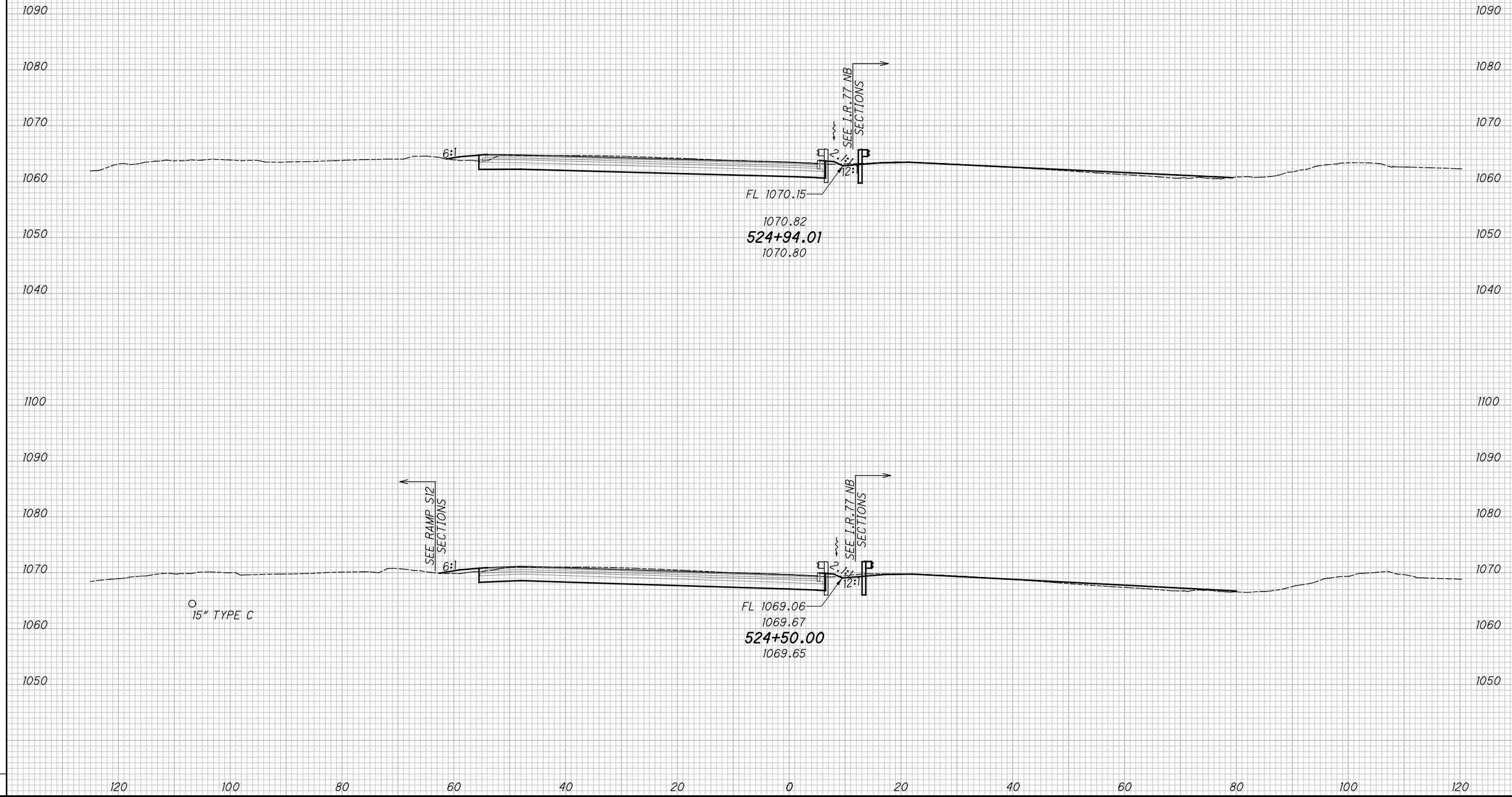
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xs020

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77 SOUTHBOUND
STA. 524+50.00 TO STA. 524+94.01

99
298

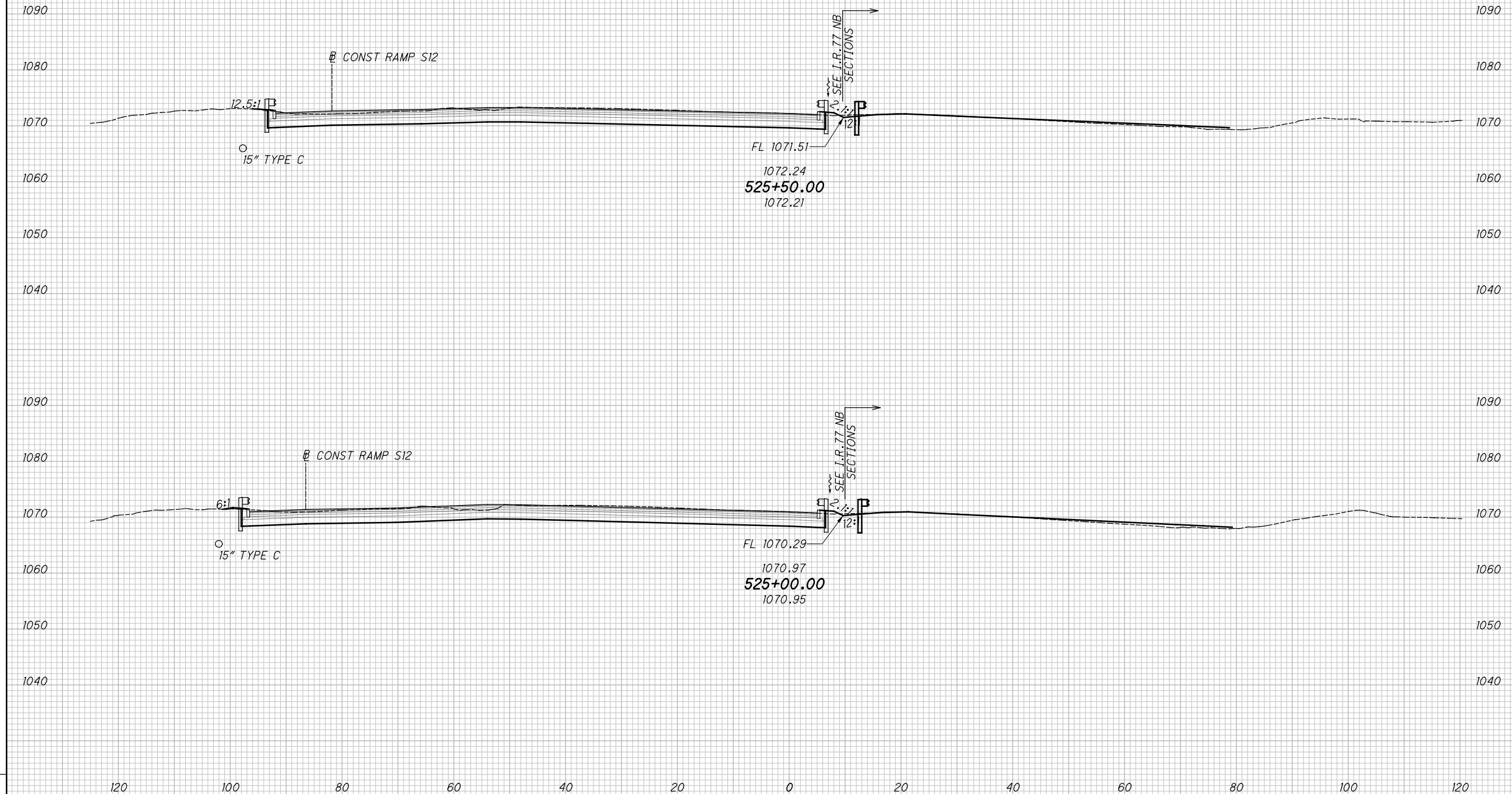
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Xs021

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
001	Release for Construction
002	Tomas J Powell, PE
003	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
CROSS SECTIONS - I.R. 77 SOUTHBOUND
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
 STA. 525+00.00 TO STA. 525+50.00

100
298

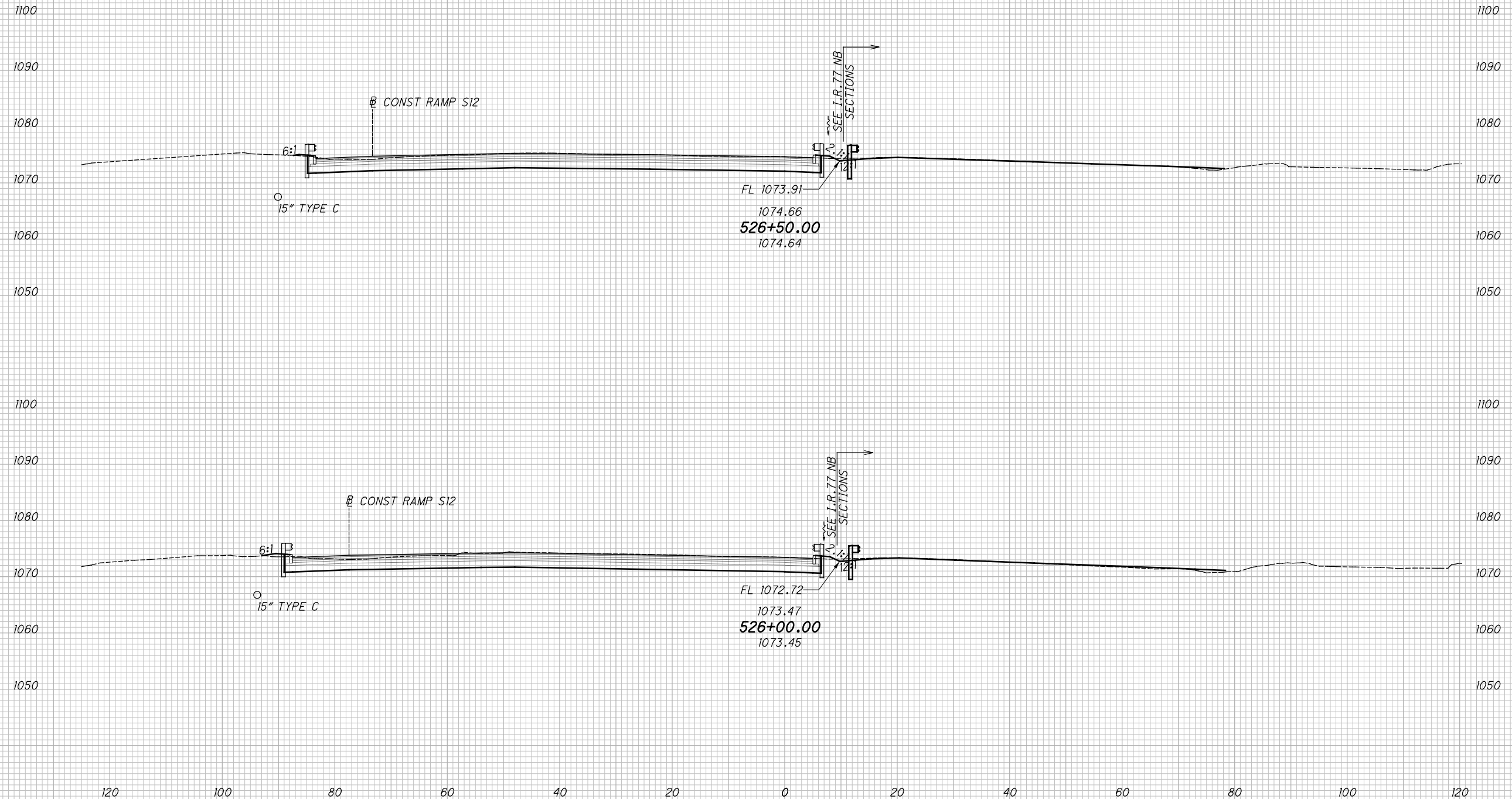
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xs022

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77 SOUTHBOUND
STA. 526+00.00 TO STA. 526+50.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

101
298

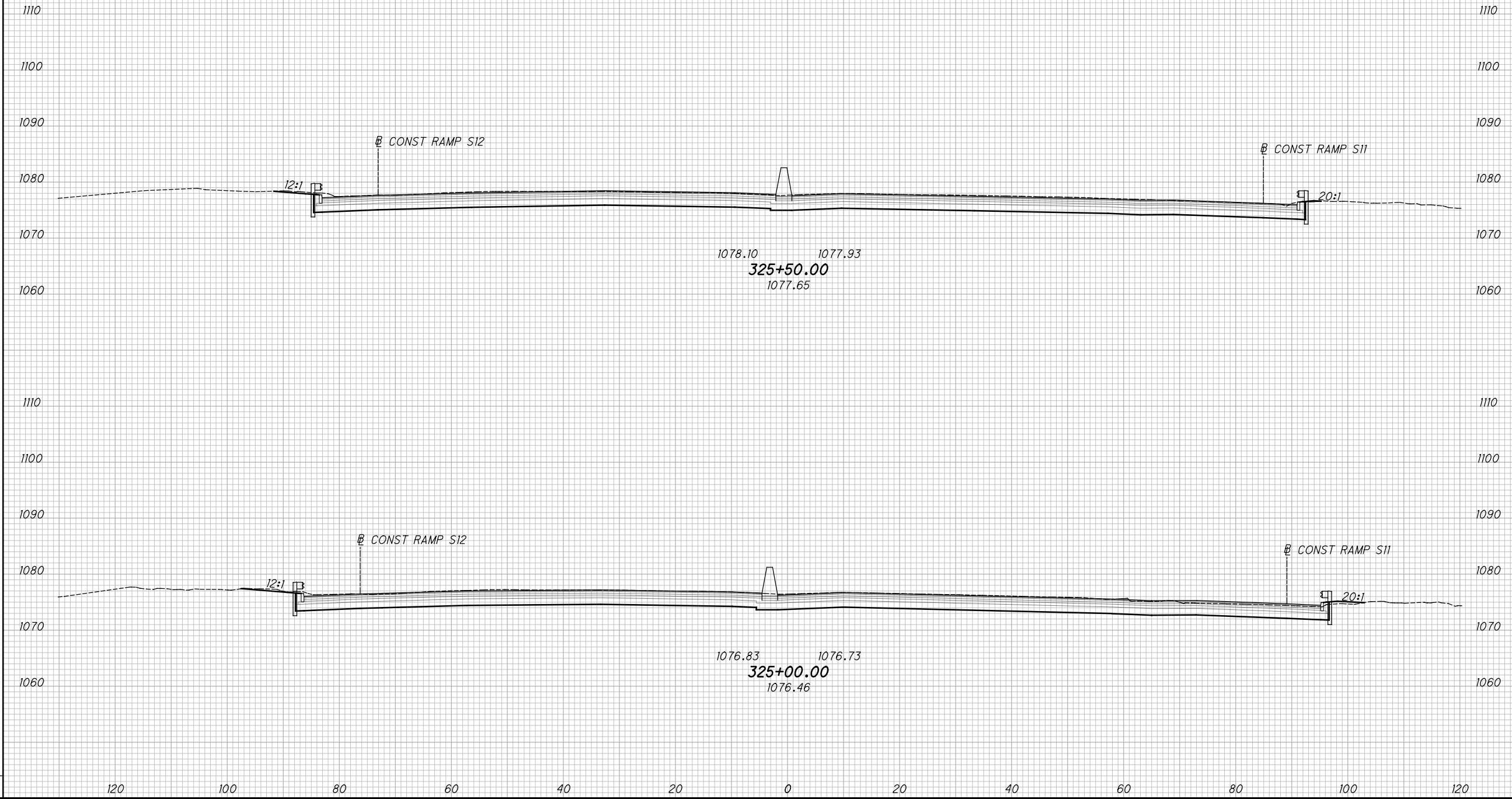
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xs023

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 325+00.00 TO STA. 325+50.00

102
298

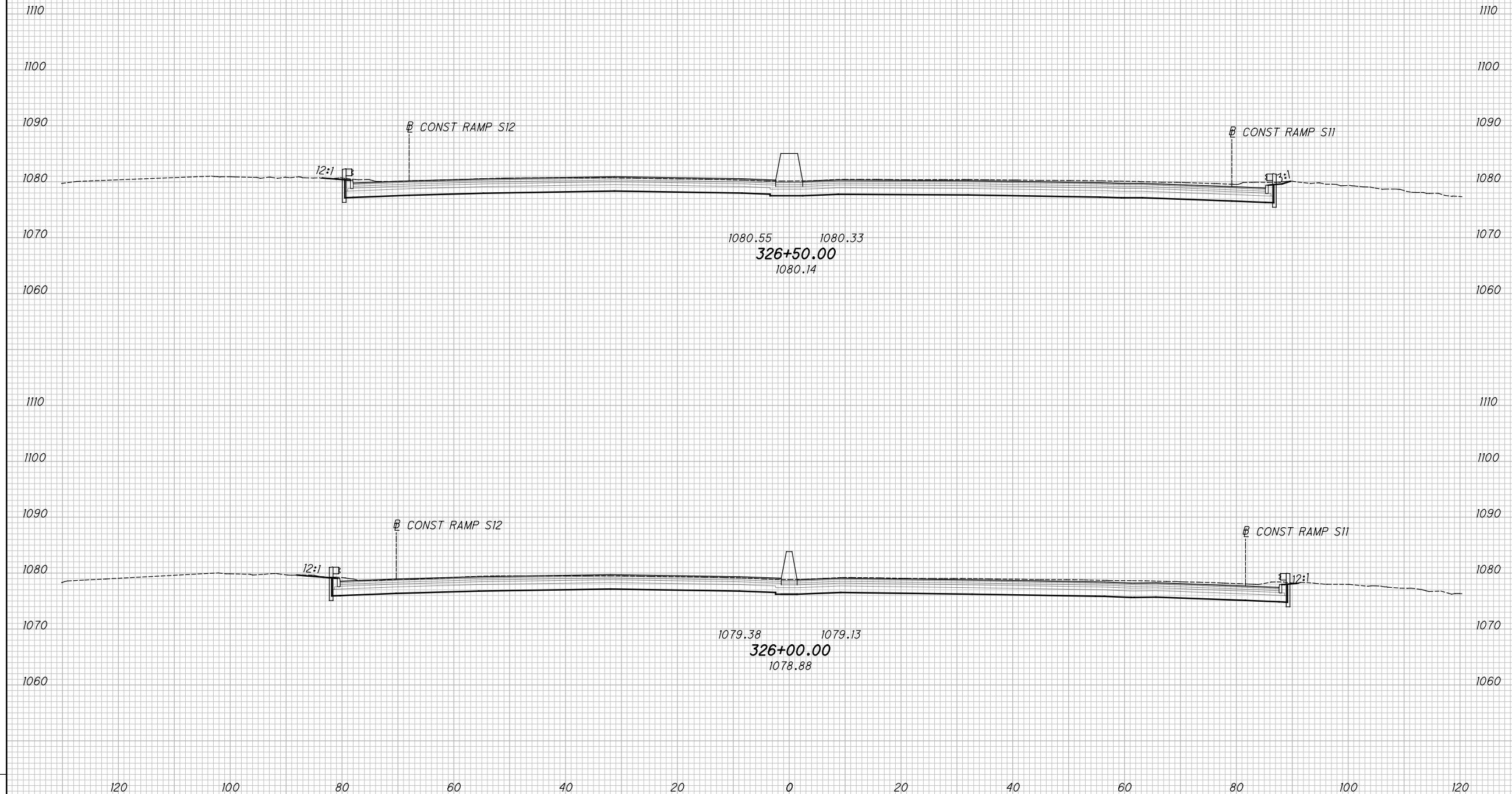
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XS024

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	03/17/2022	DESCRIPTION
NO.	1	Released for Construction
		Thomas J Powell, PE

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00

CROSS SECTIONS - I.R. 77
 STA. 326+00.00 TO STA. 326+50.00

103
298

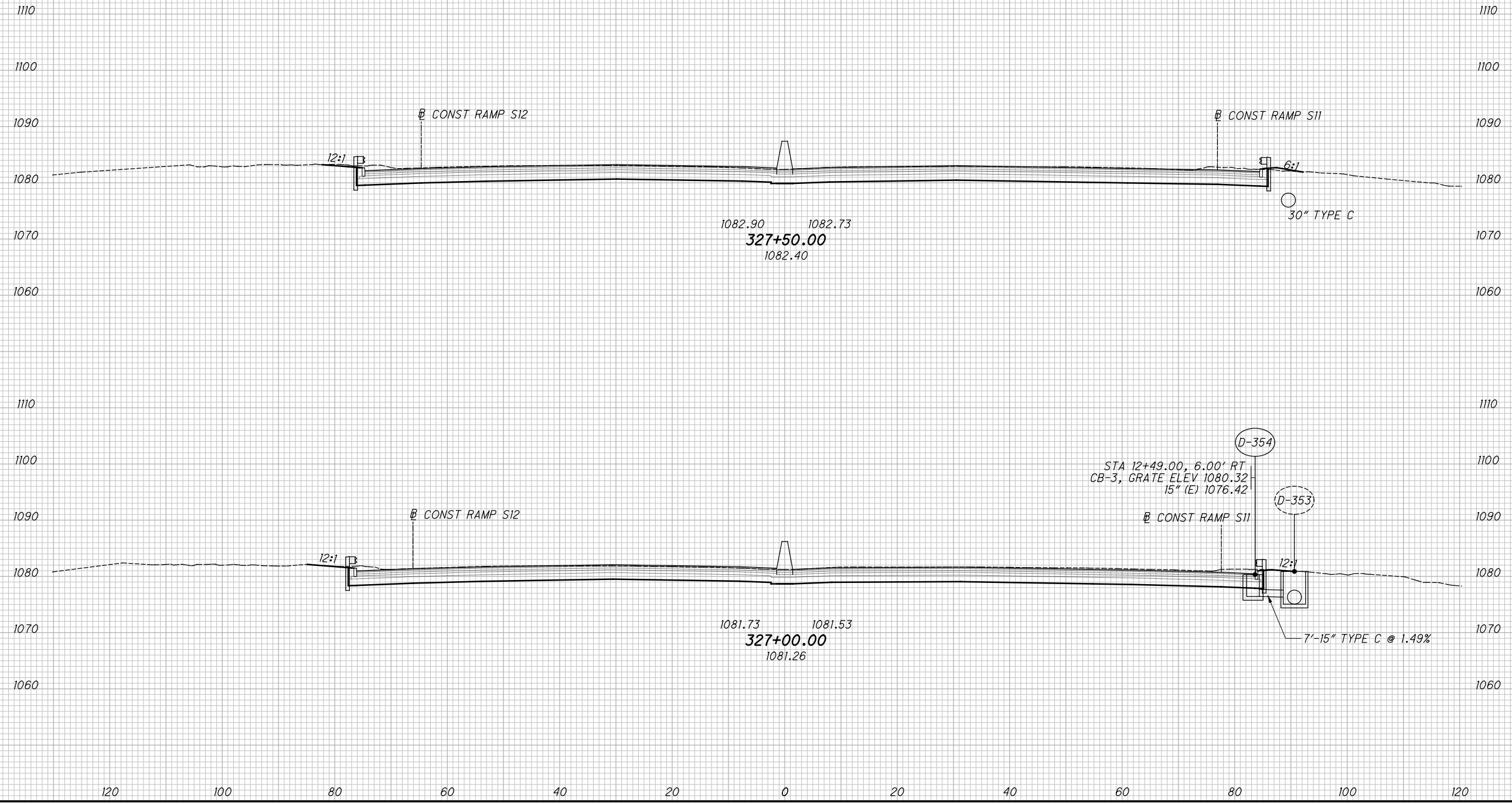
xs025

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM

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CROSS SECTIONS - I.R. 77
STA. 327+00.00 TO STA. 327+50.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

104
298

xs026

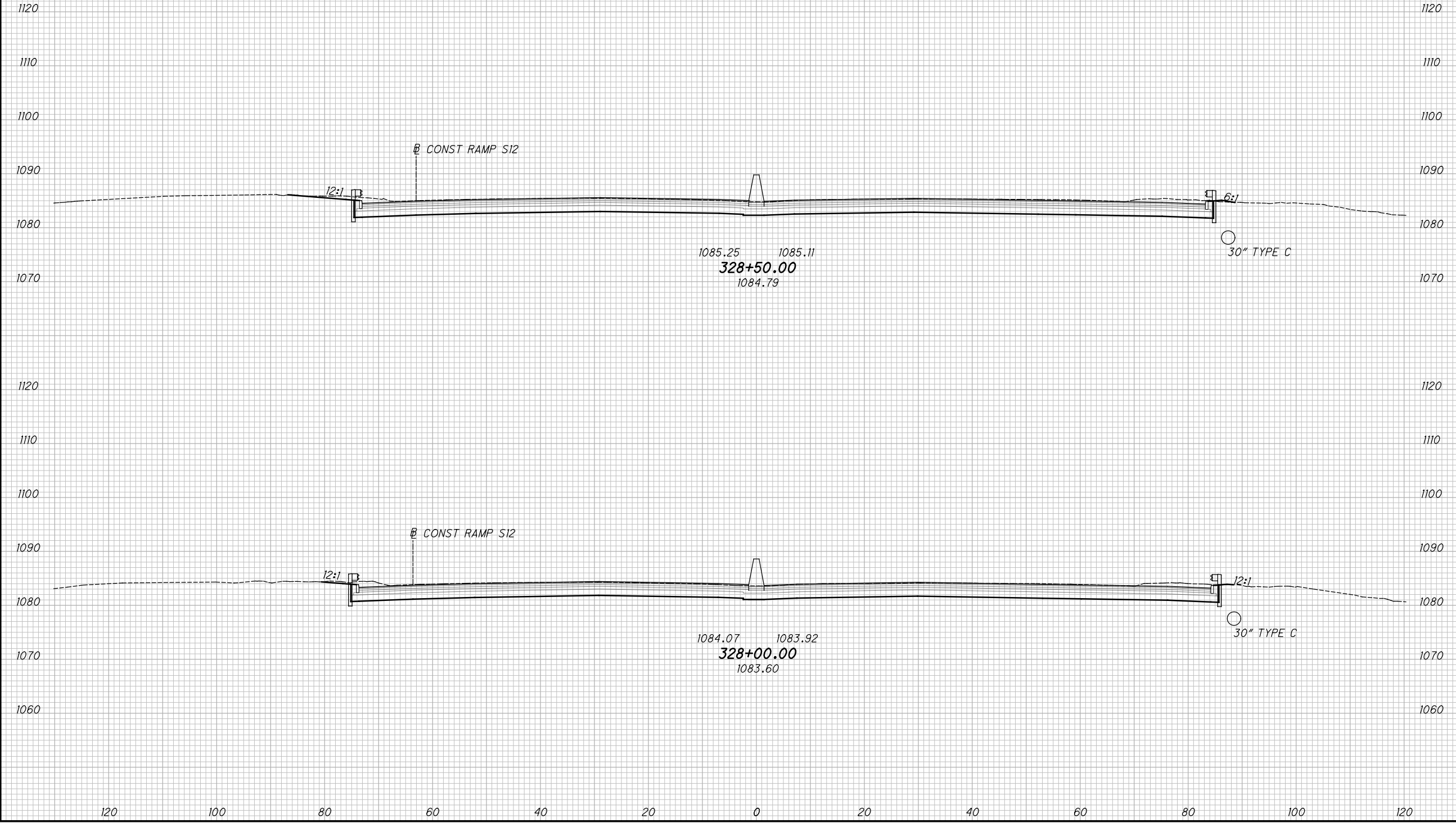
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	03/17/2022	DESCRIPTION

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		

CROSS SECTIONS - I.R. 77	
STA. 328+00.00 TO STA. 328+50.00	
2022-03-02-BU 34-RFC PLANS	SUM - 76 / 77 / 8 -
	8.24 / 9.74 / 0.00



105
298

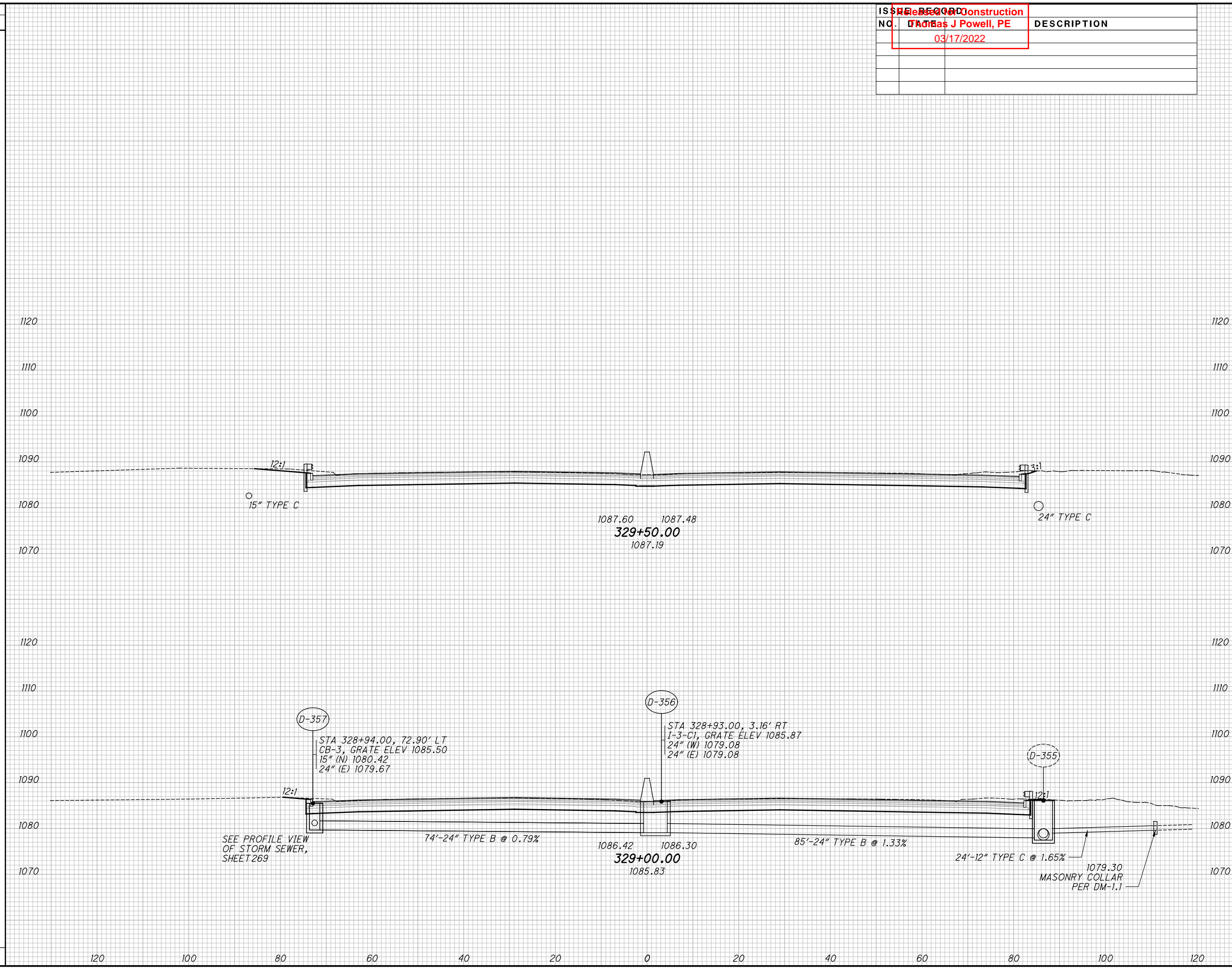
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xs027

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77
STA. 329+00.00 TO STA. 329+50.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

106
 298

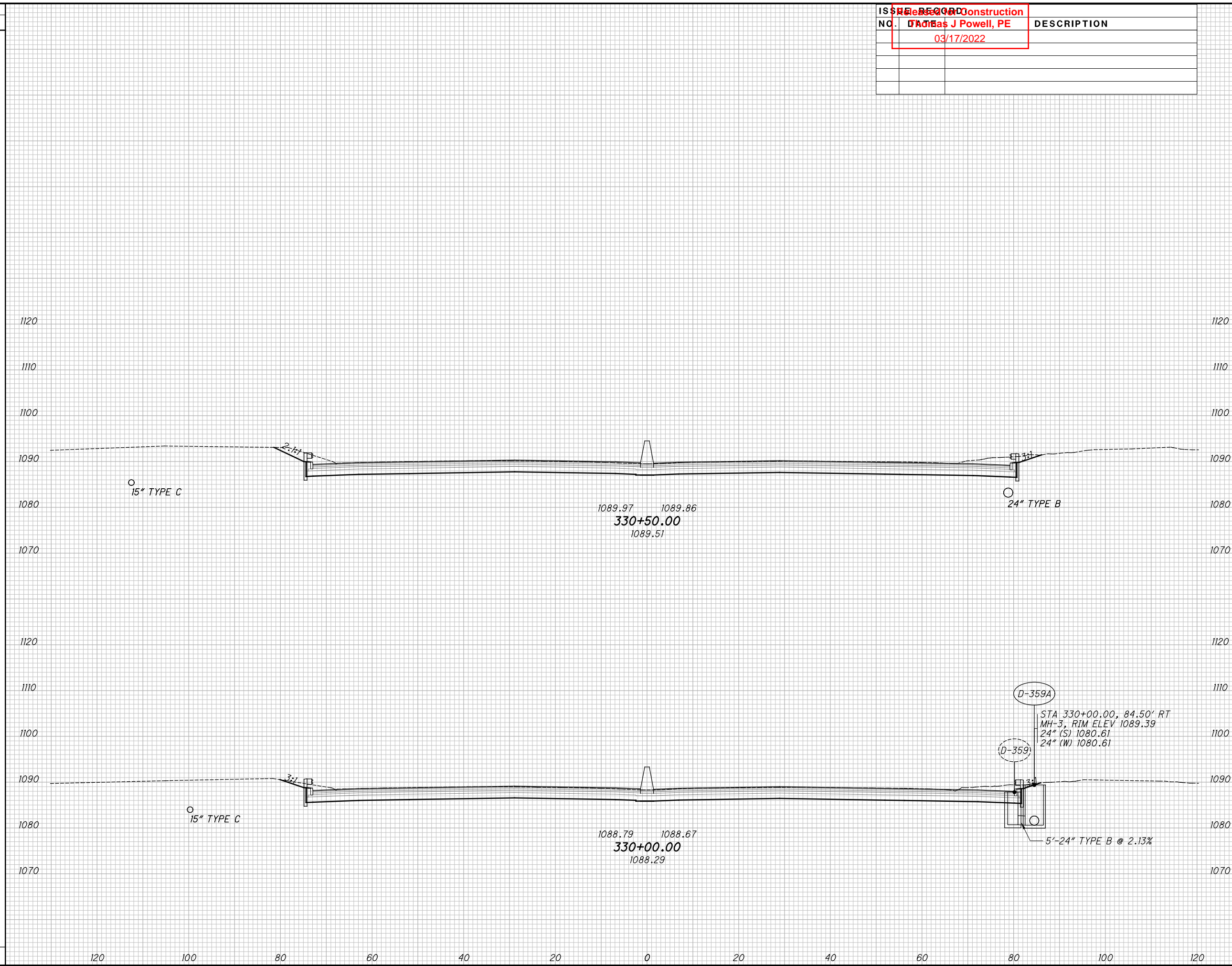
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xs028

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 330+00.00 TO STA. 330+50.00

107
298

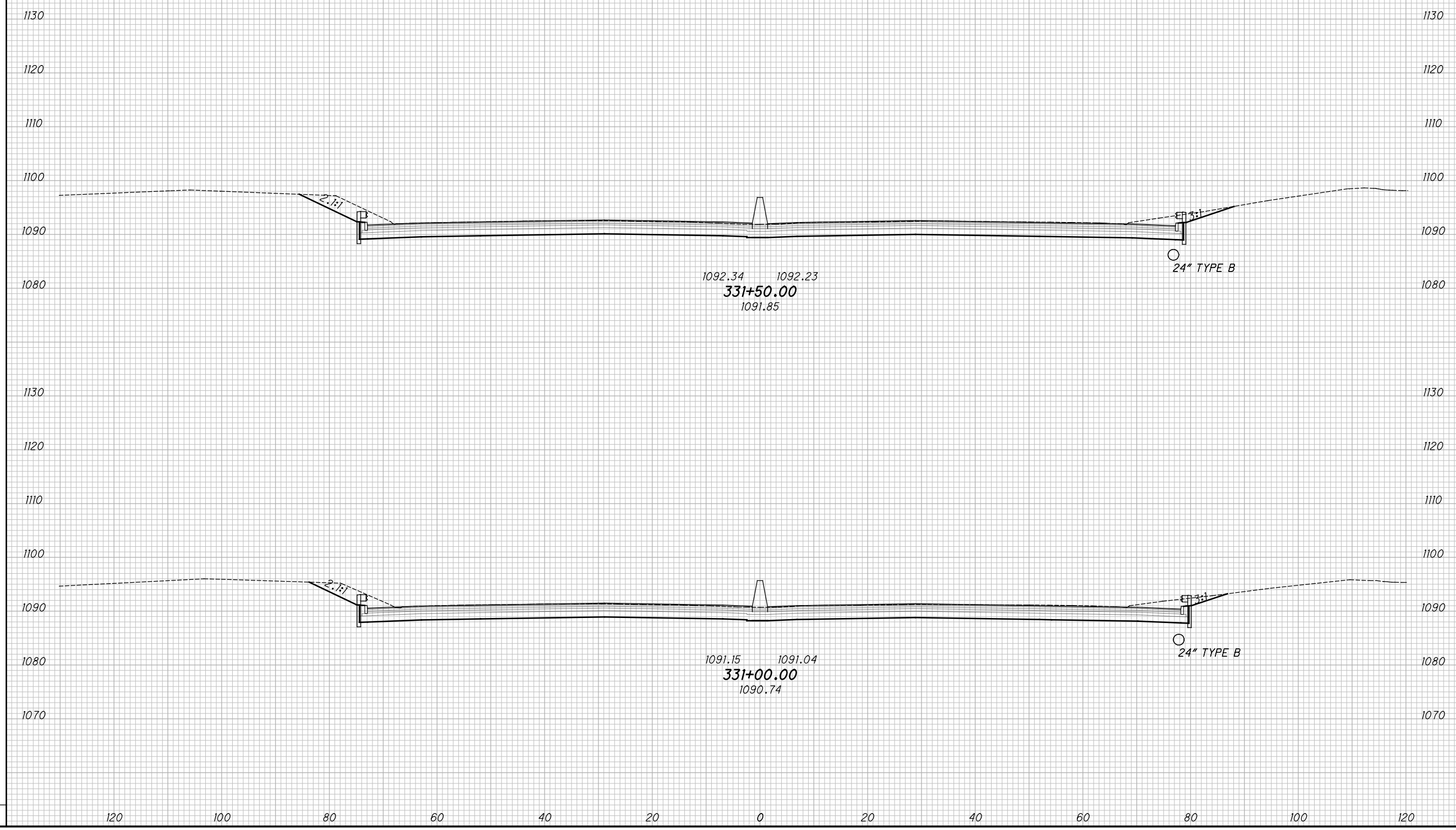
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xs029

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Tamas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 331+00.00 TO STA. 331+50.00

108
298

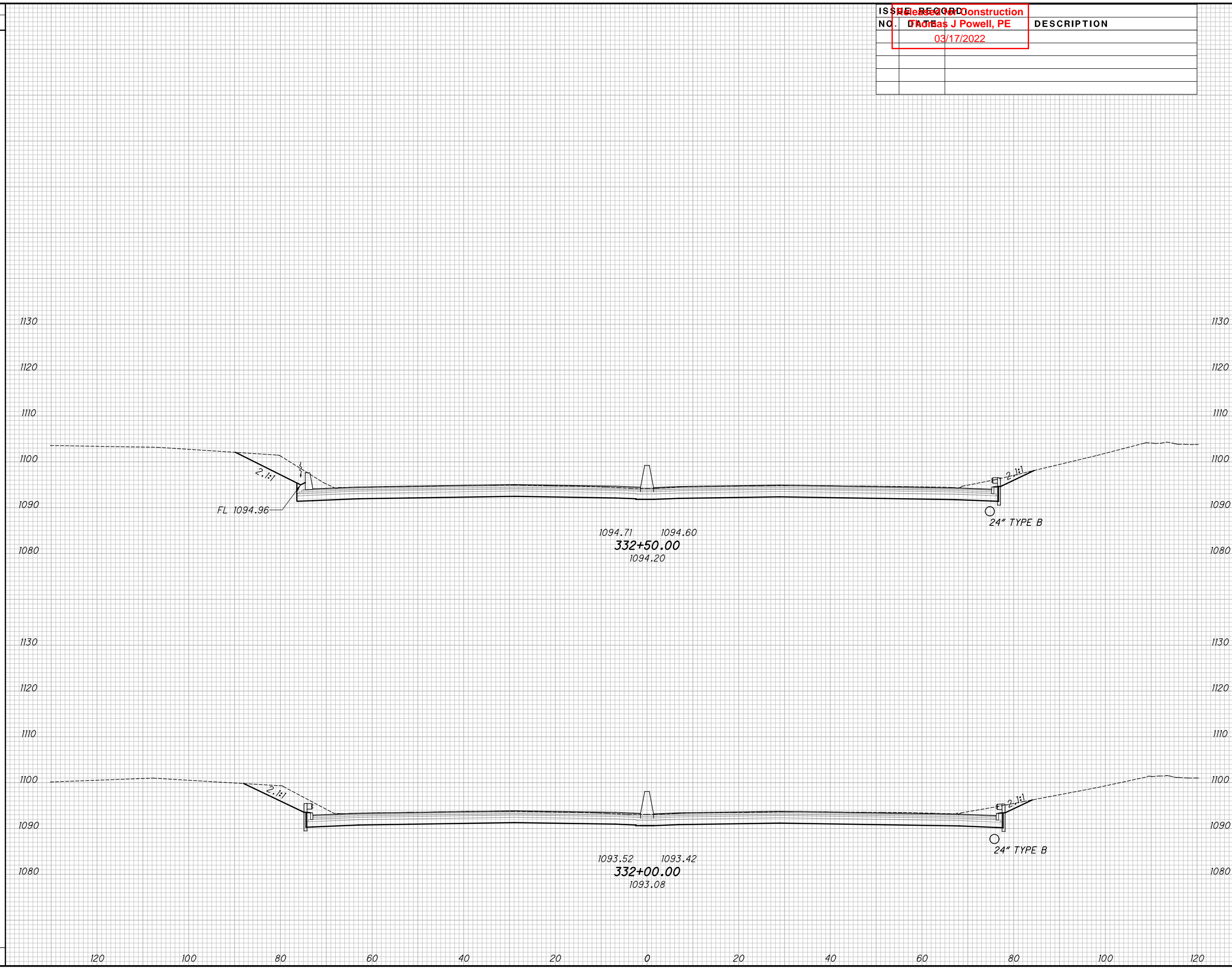
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xs030

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
CROSS SECTIONS - I.R. 77
STA. 332+00.00 TO STA. 332+50.00
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

109
298

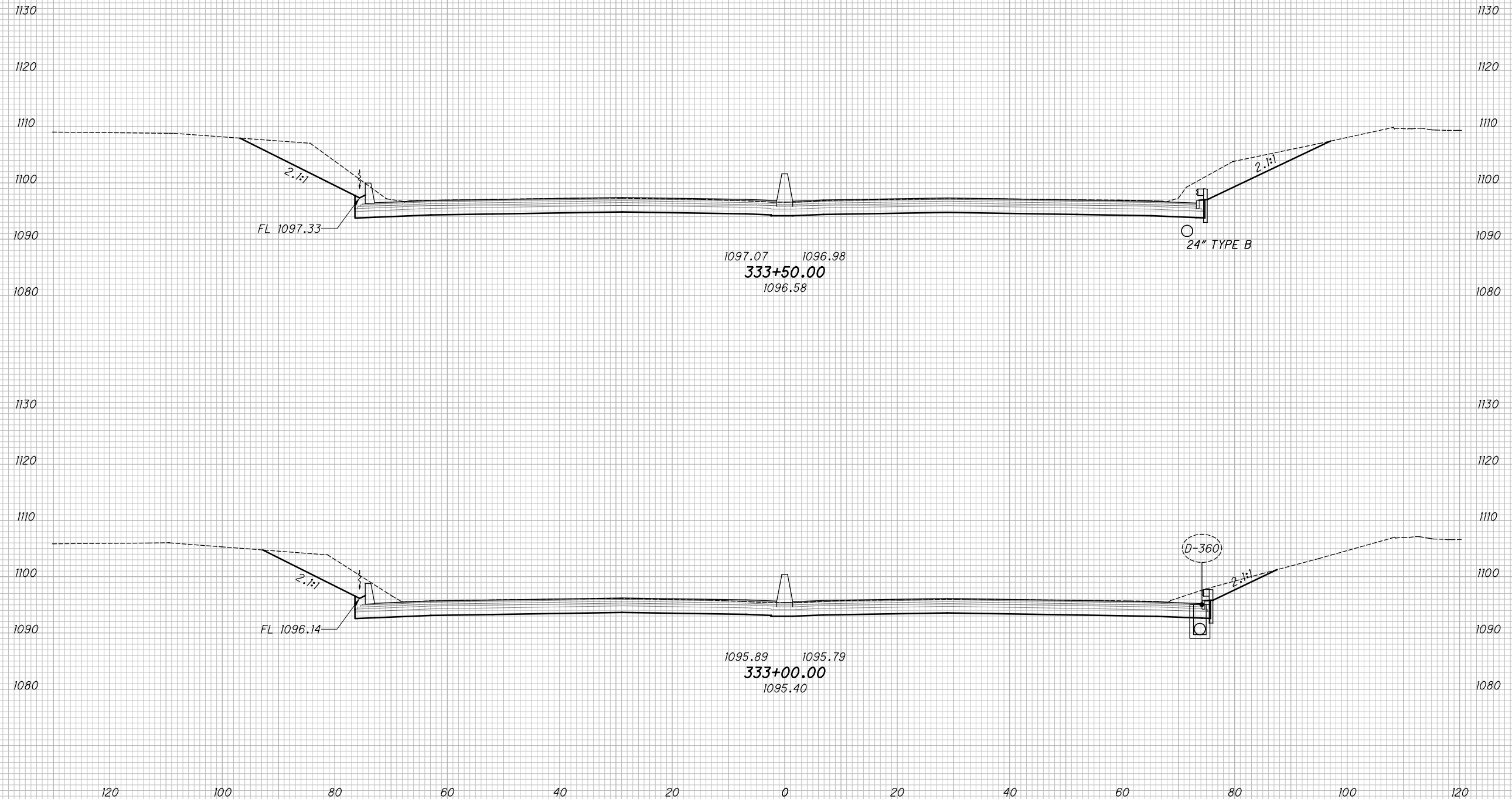
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Xs031

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 333+00.00 TO STA. 333+50.00

110
298

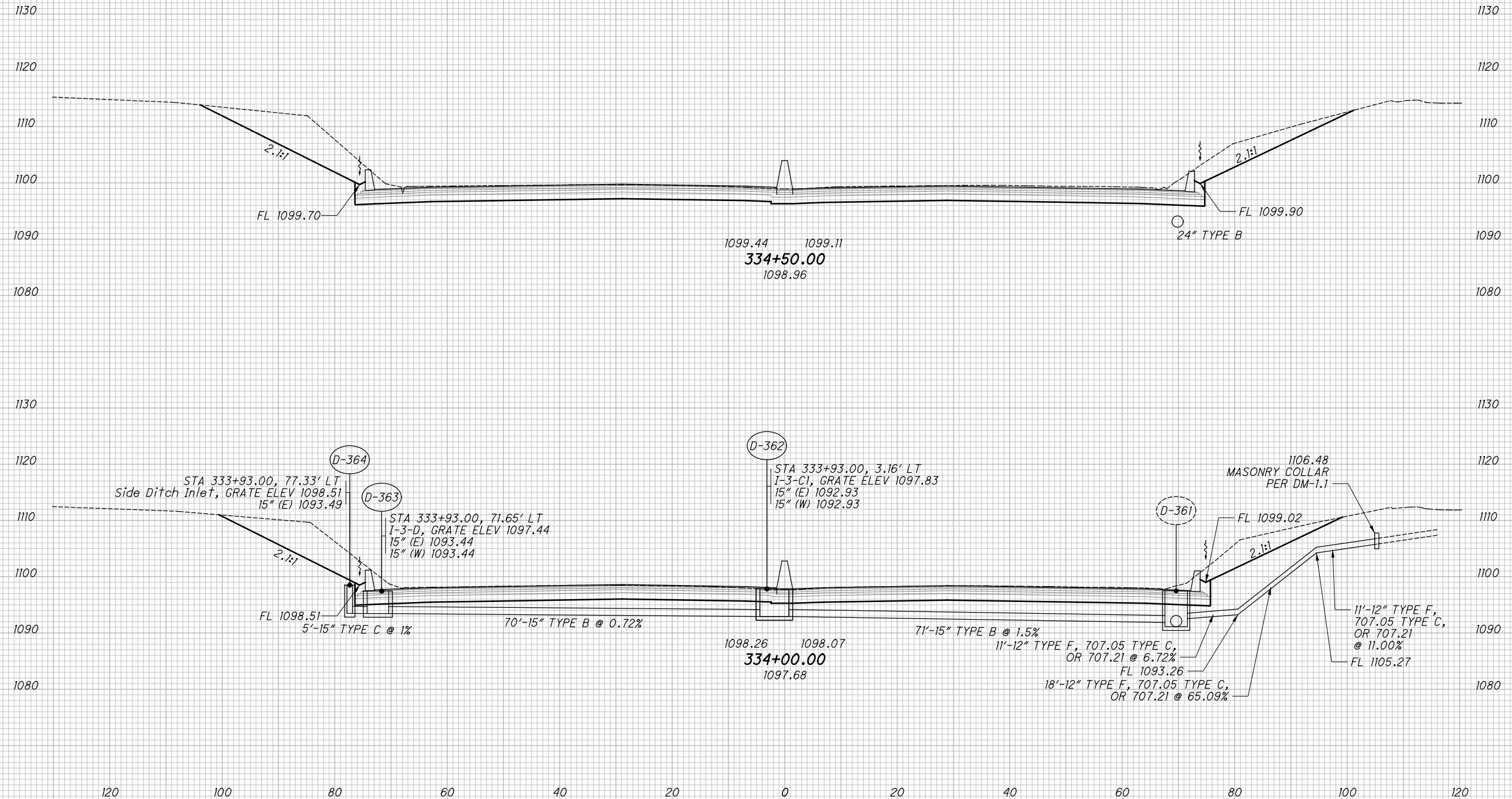
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XS032

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Released for Construction

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 334+00.00 TO STA. 334+50.00

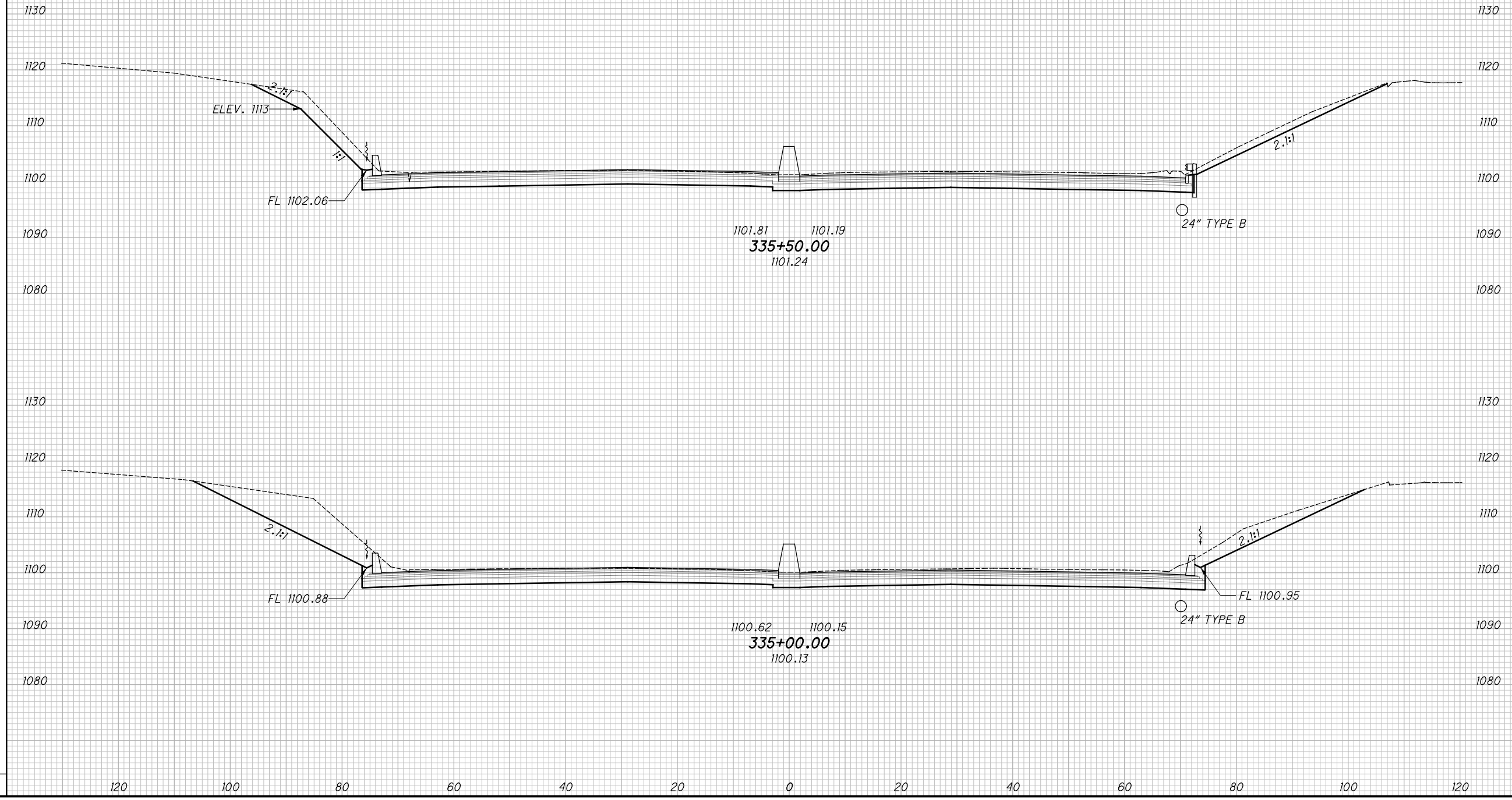
XS033

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 335+00.00 TO STA. 335+50.00

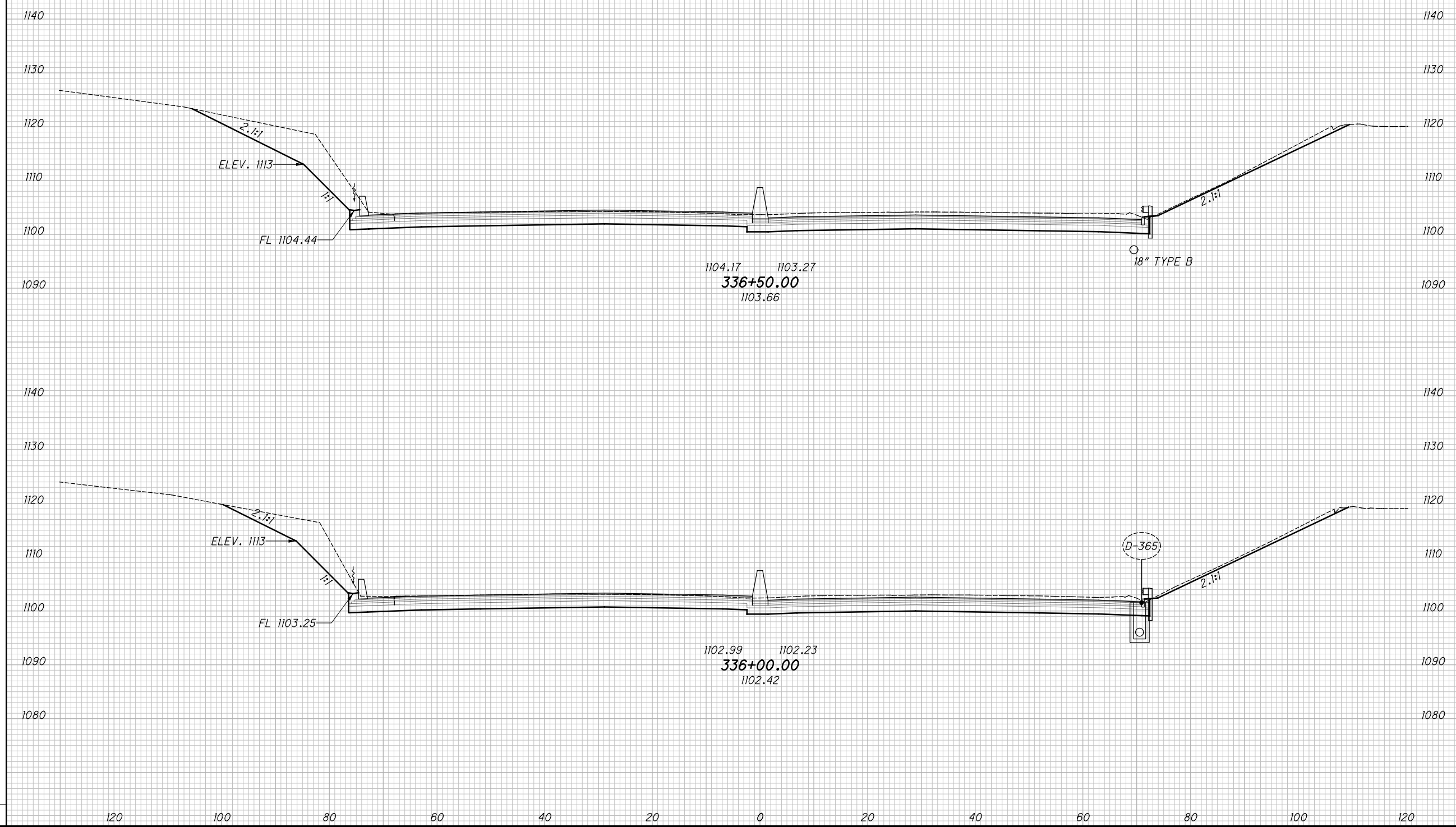
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xs034

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 336+00.00 TO STA. 336+50.00

113
298

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XS035

SEEDING
END SO.
WIDTH YDS.

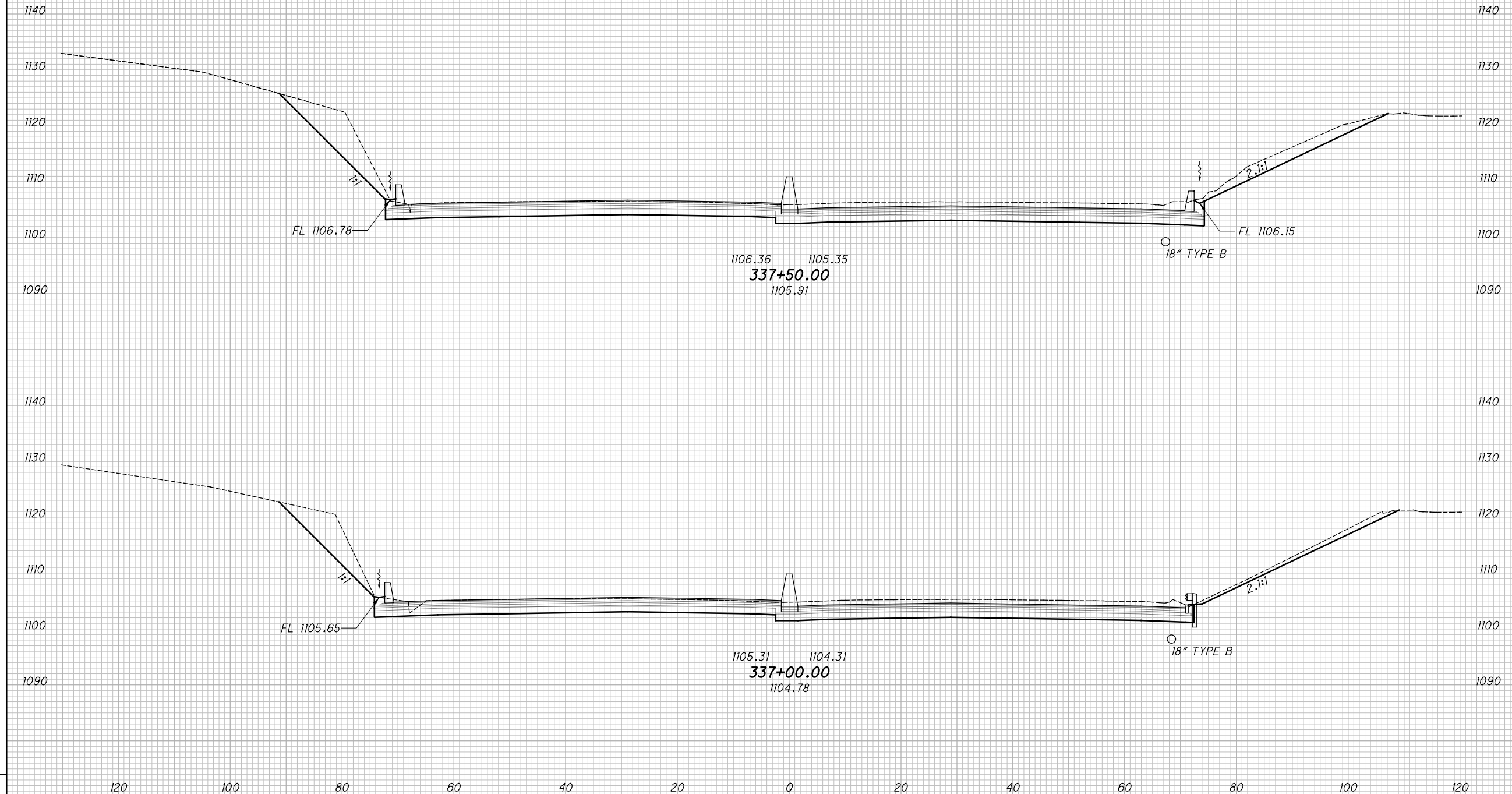
ISSUE NO.	DESCRIPTION
03/17/2022	Released for Construction
	Thomas J Powell, PE

END AREA
CUT FILL

VOLUME
CUT FILL

CALCULATED
JDD

CHECKED
JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 337+00.00 TO STA. 337+50.00

114
298

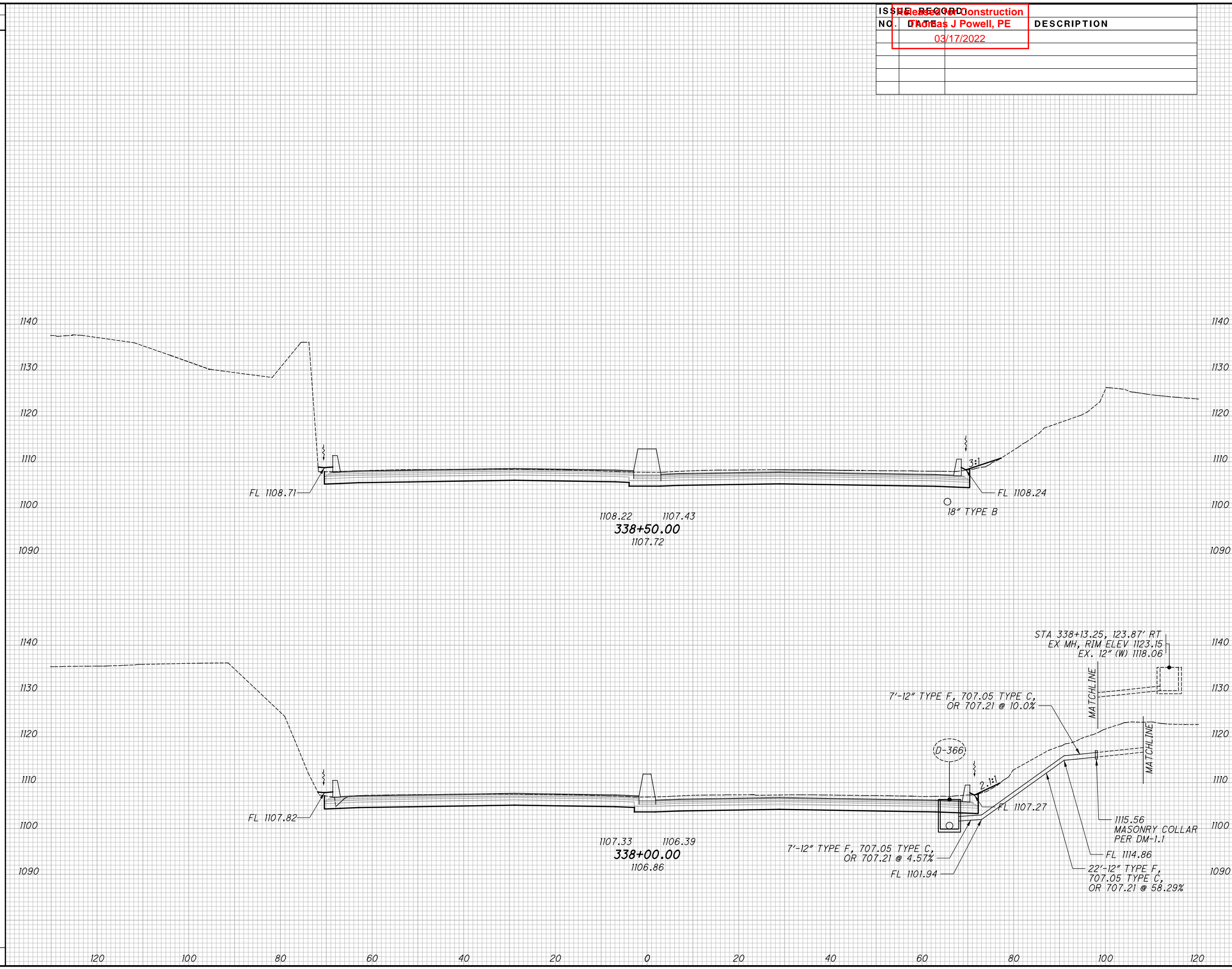
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XS036

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Released for Construction

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 338+00.00 TO STA. 338+50.00

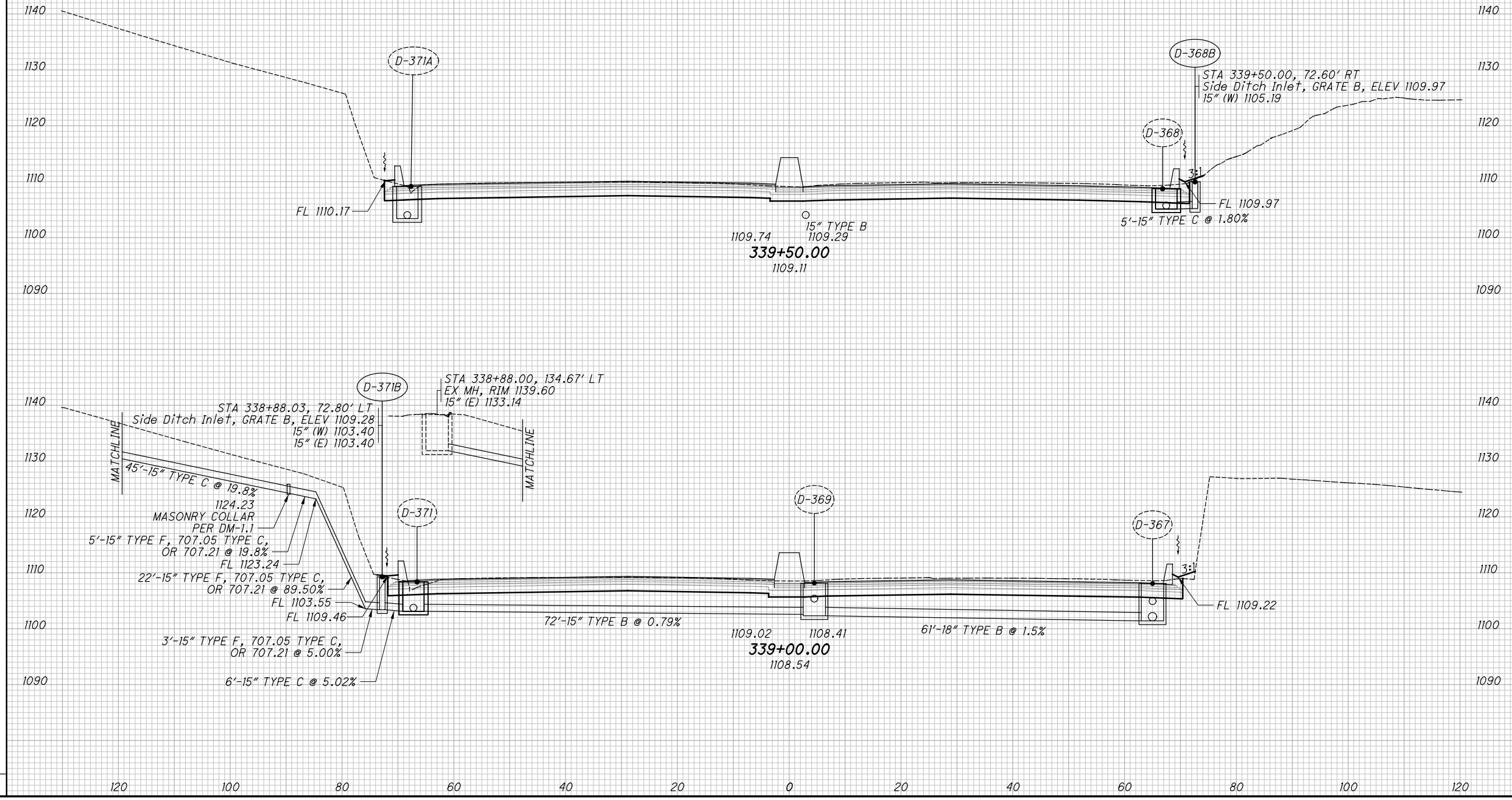
XS037

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Released for Construction

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

CROSS SECTIONS - I.R. 77
 STA. 339+00.00 TO STA. 339+50.00

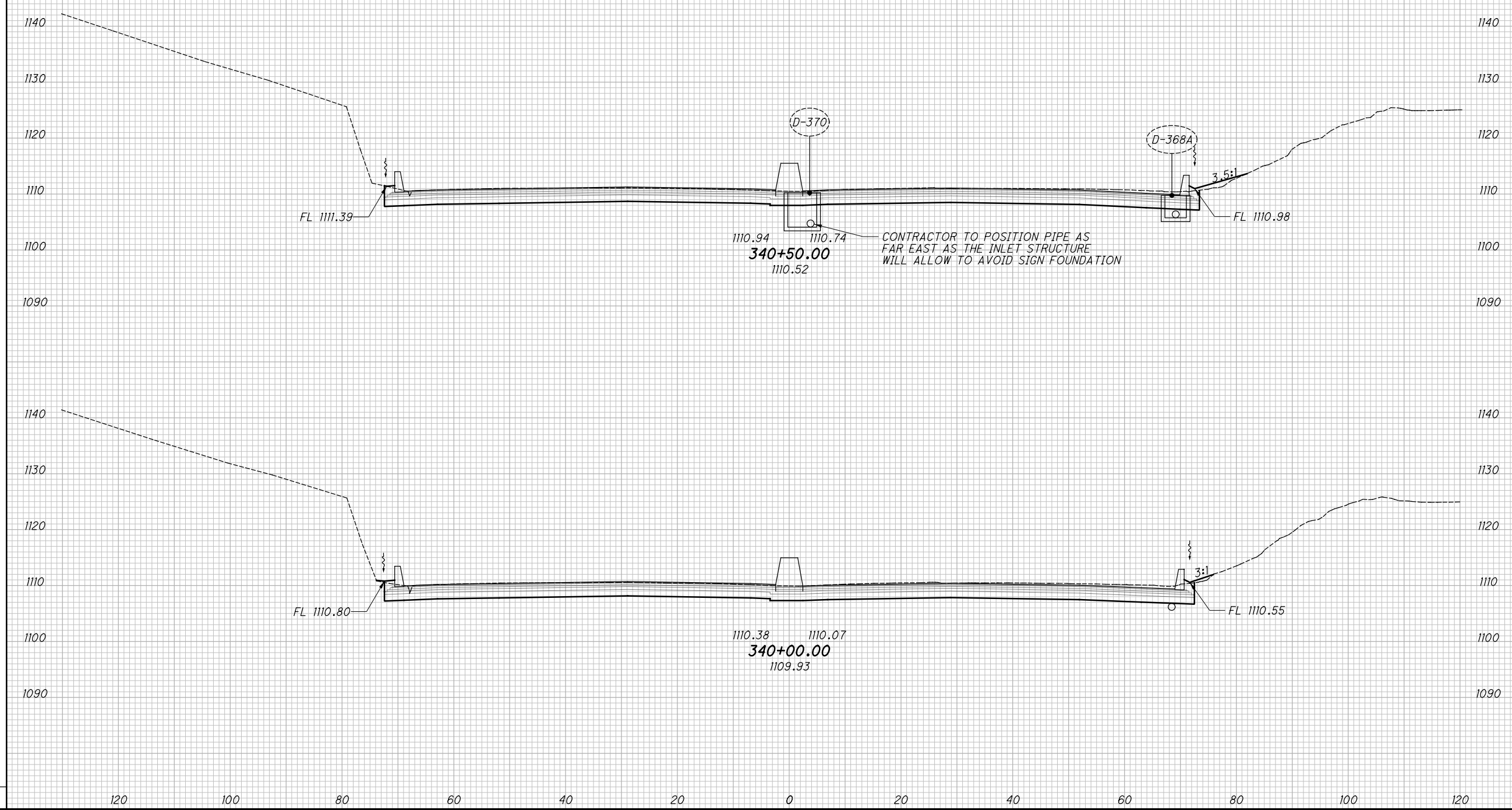
XS038

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CONTRACTOR TO POSITION PIPE AS FAR EAST AS THE INLET STRUCTURE WILL ALLOW TO AVOID SIGN FOUNDATION

2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 340+00.00 TO STA. 340+50.00

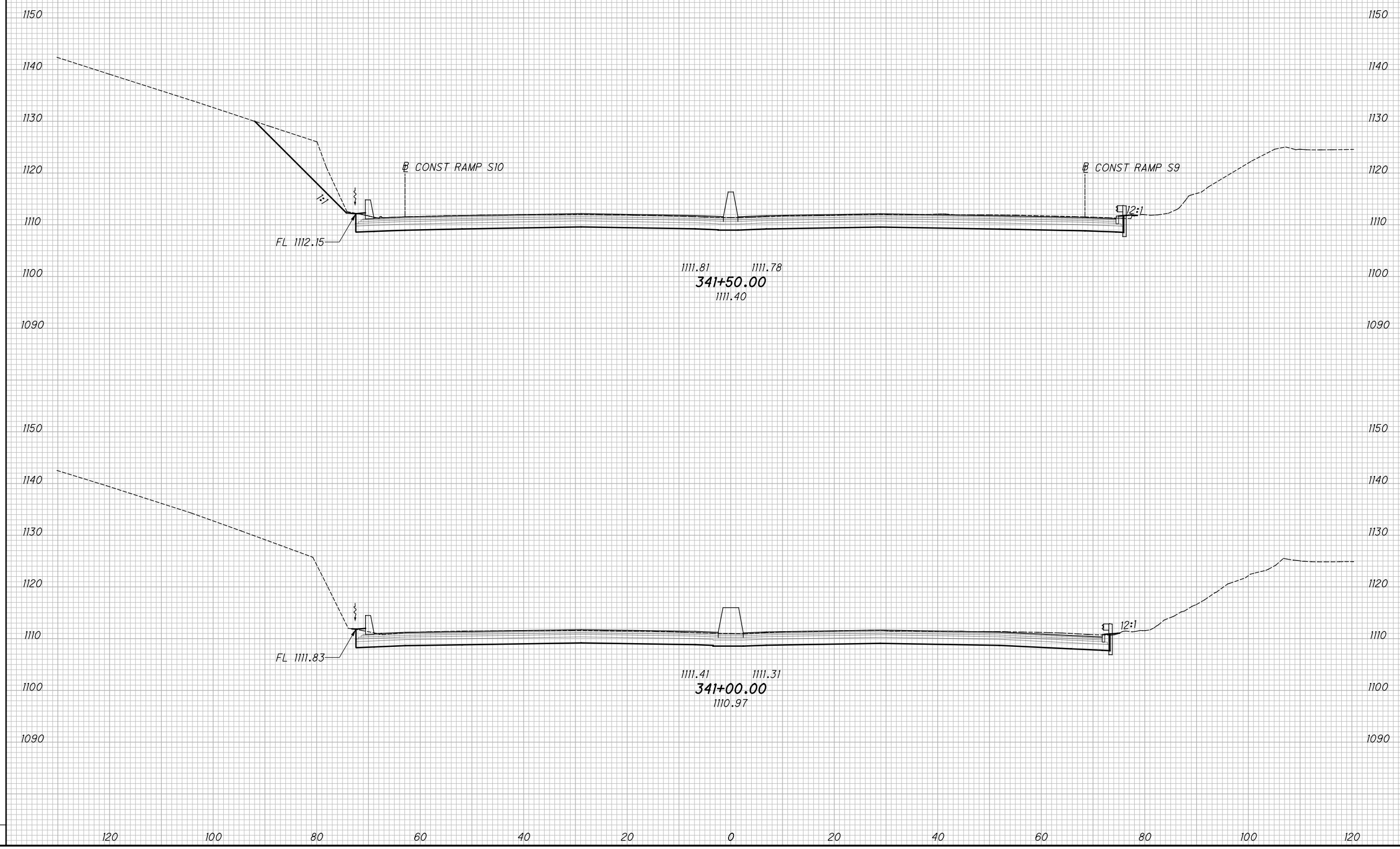
XS039

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 341+00.00 TO STA. 341+50.00

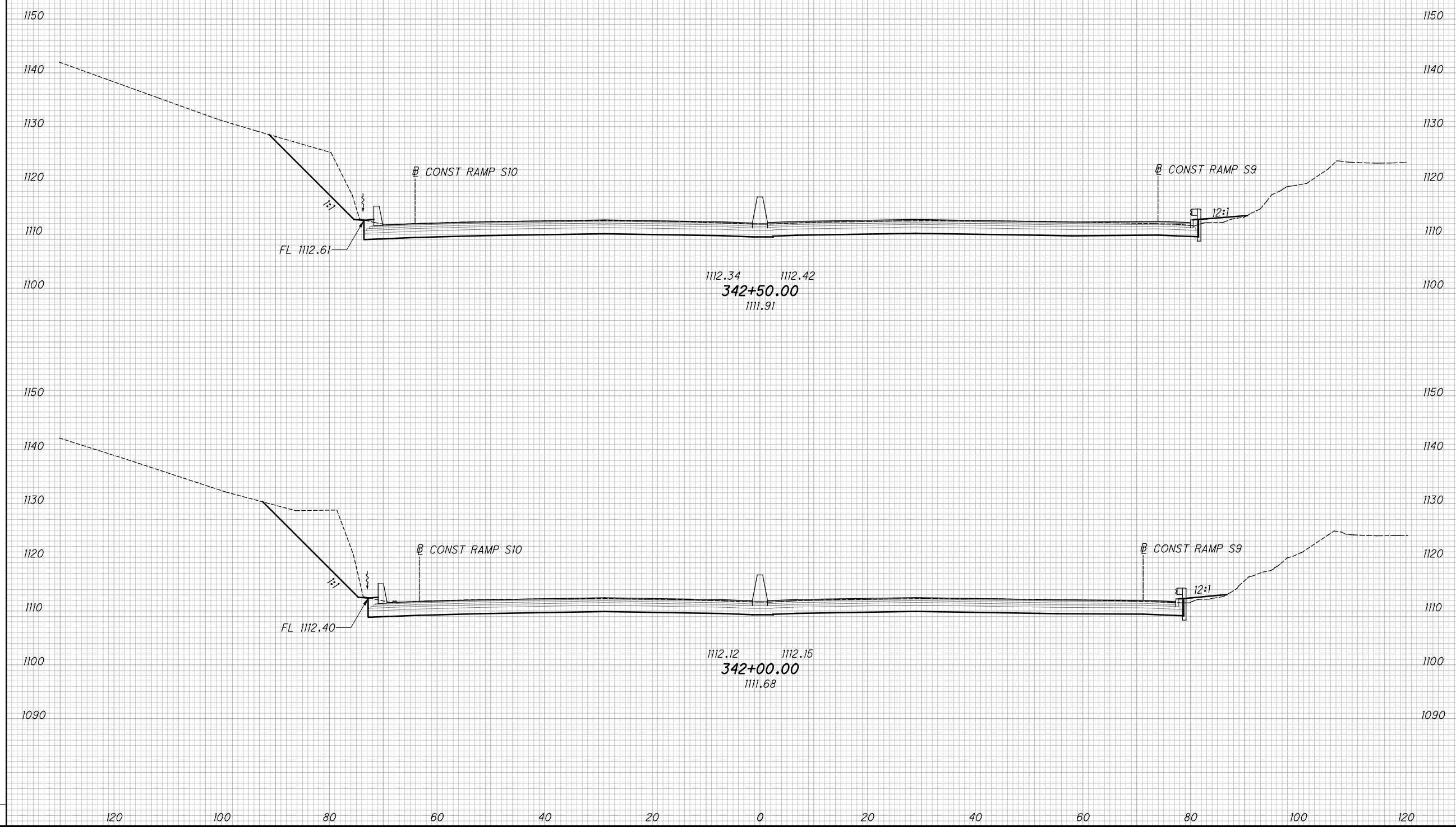
XS040

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SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00
 CROSS SECTIONS - I.R. 77
 STA. 342+00.00 TO STA. 342+50.00

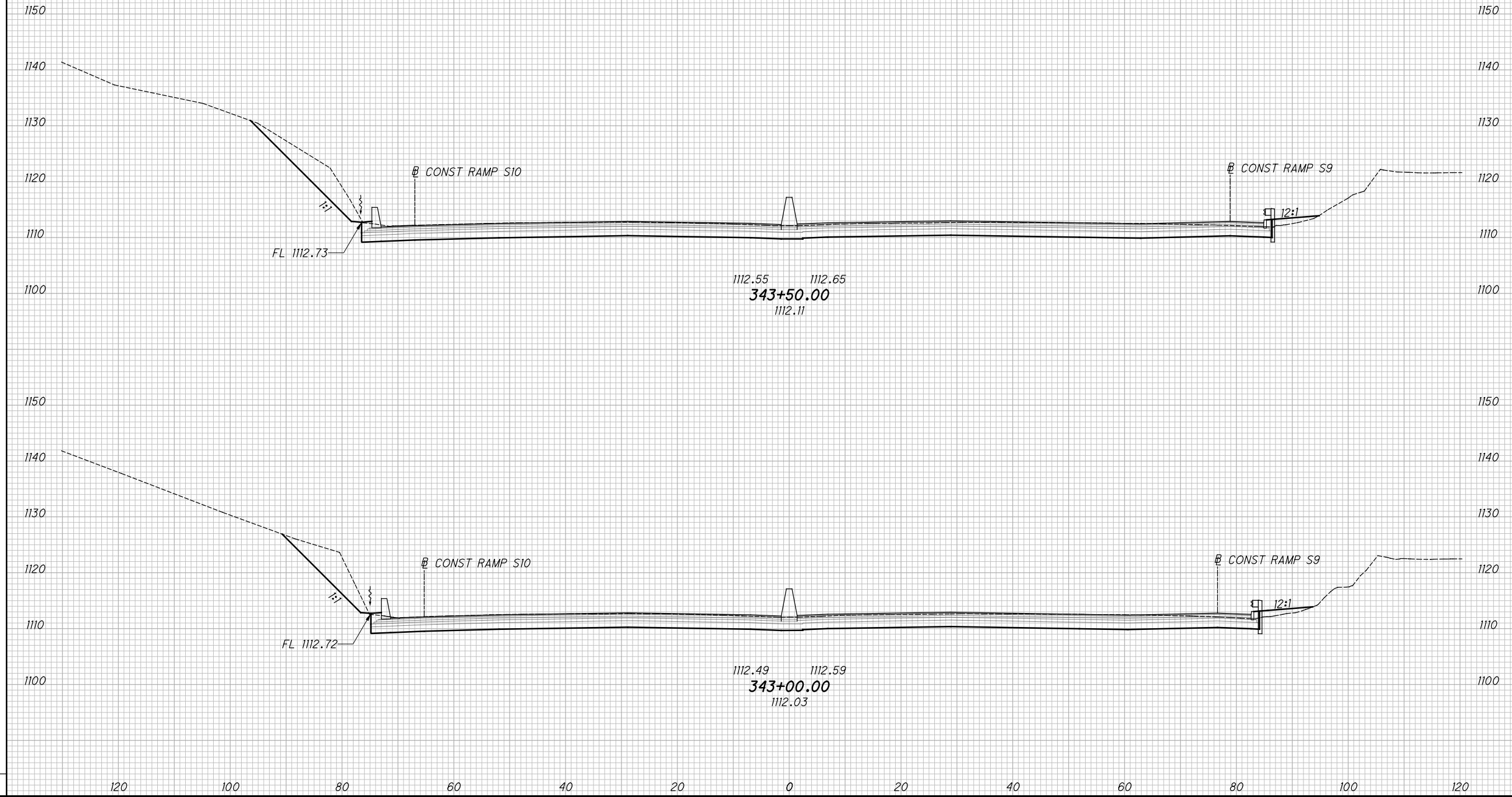
Xs041

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 343+00.00 TO STA. 343+50.00

120
298

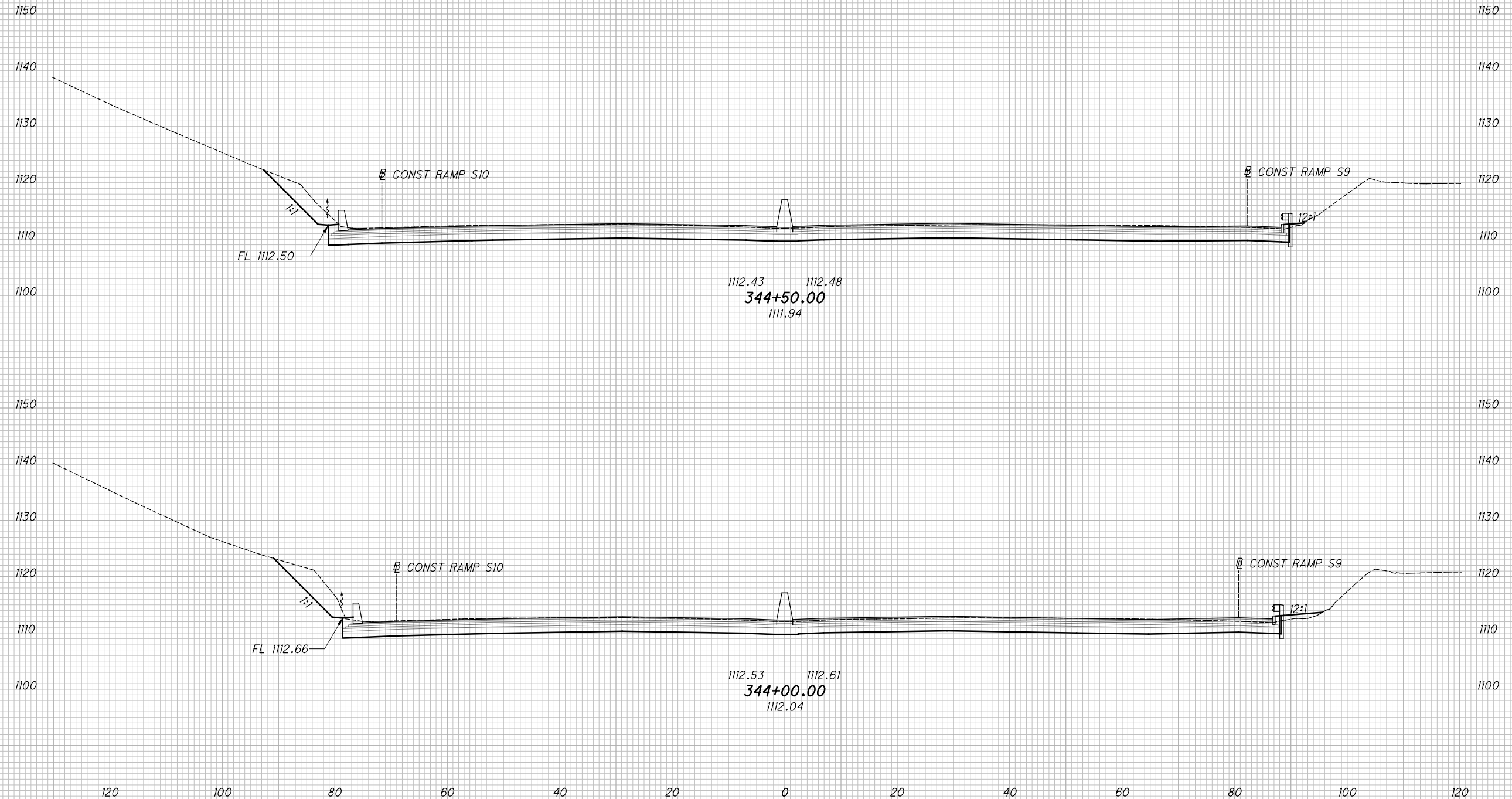
XS042

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77
STA. 344+00.00 TO STA. 344+50.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

121
298

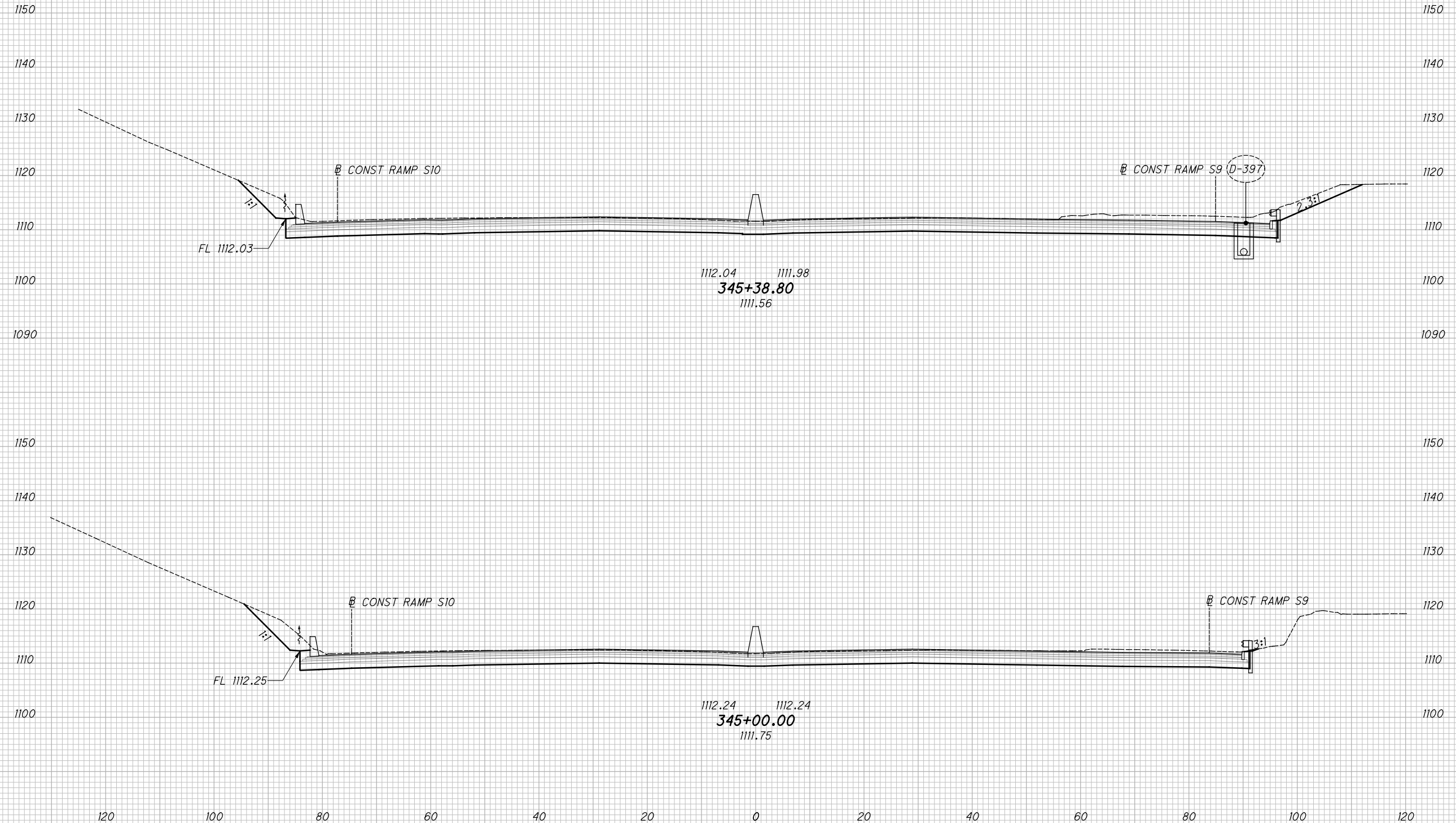
XS043

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SEEDING
END SO.
WIDTH YDS.

ISSUED FOR CONSTRUCTION	
NO. 03/17/2022	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 345+00.00 TO STA. 345+38.80

122
298

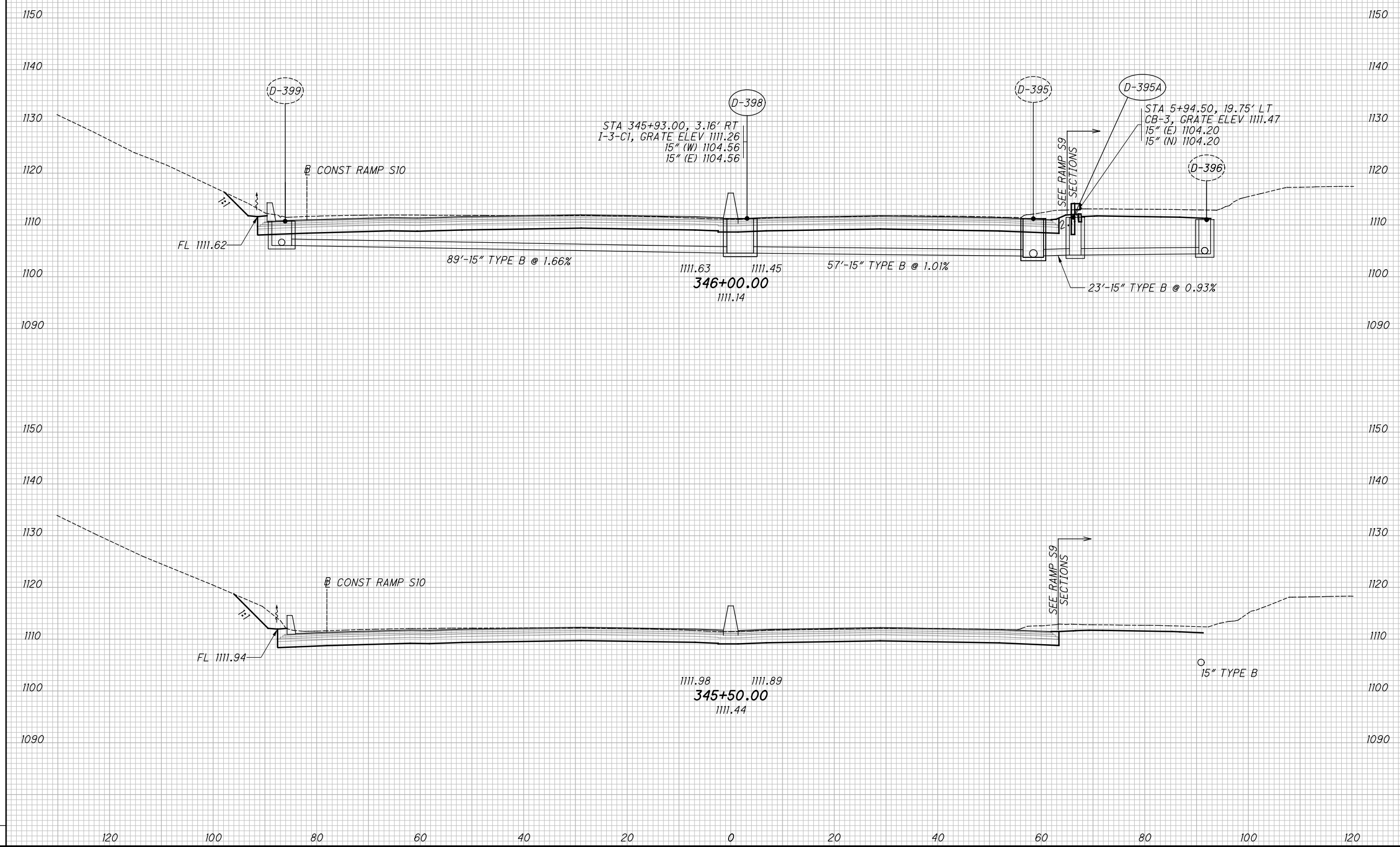
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XS044

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 345+50.00 TO STA. 346+00.00

123
298

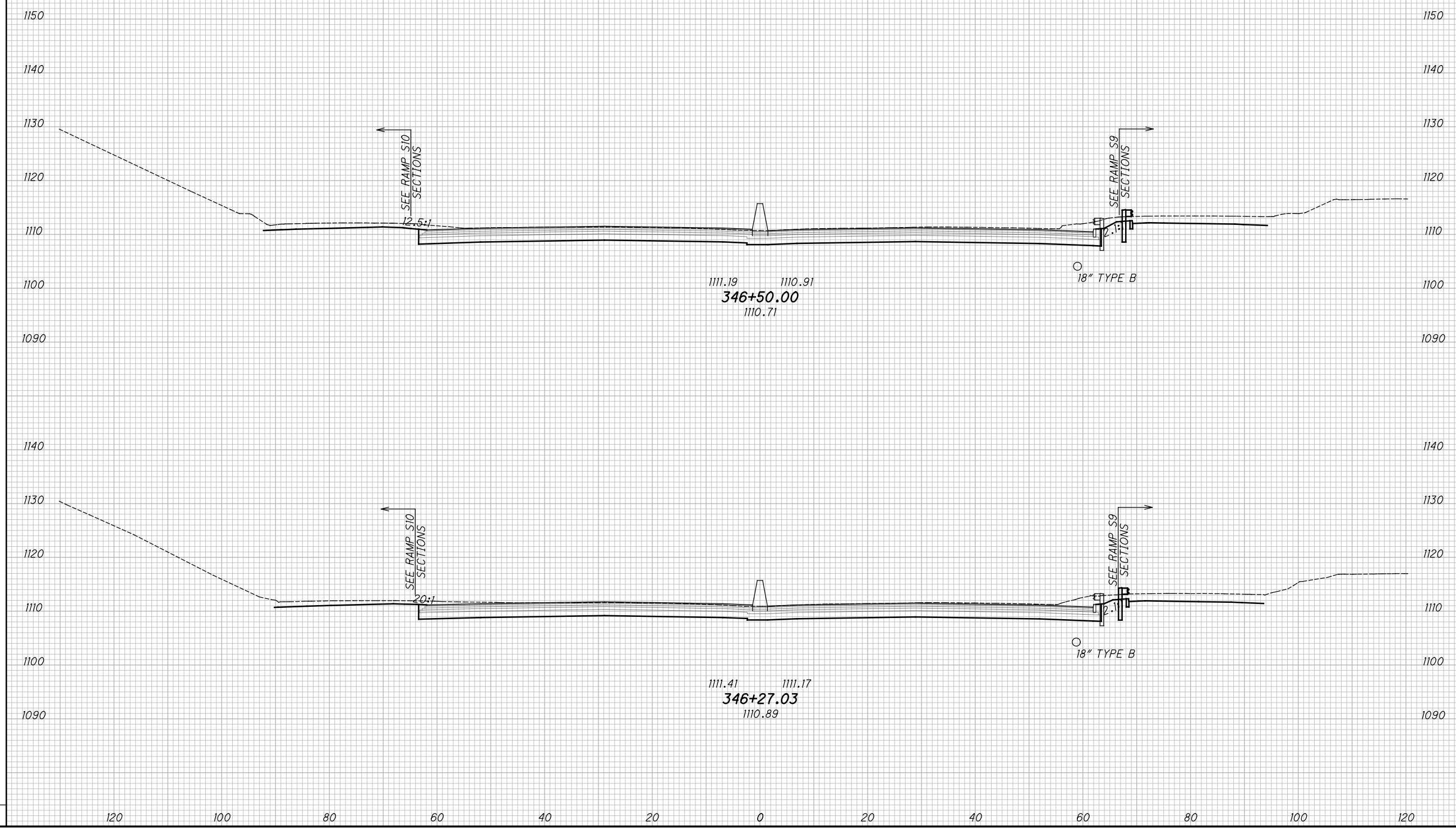
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XS046

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 346+27.03 TO STA. 346+50.00

124
298

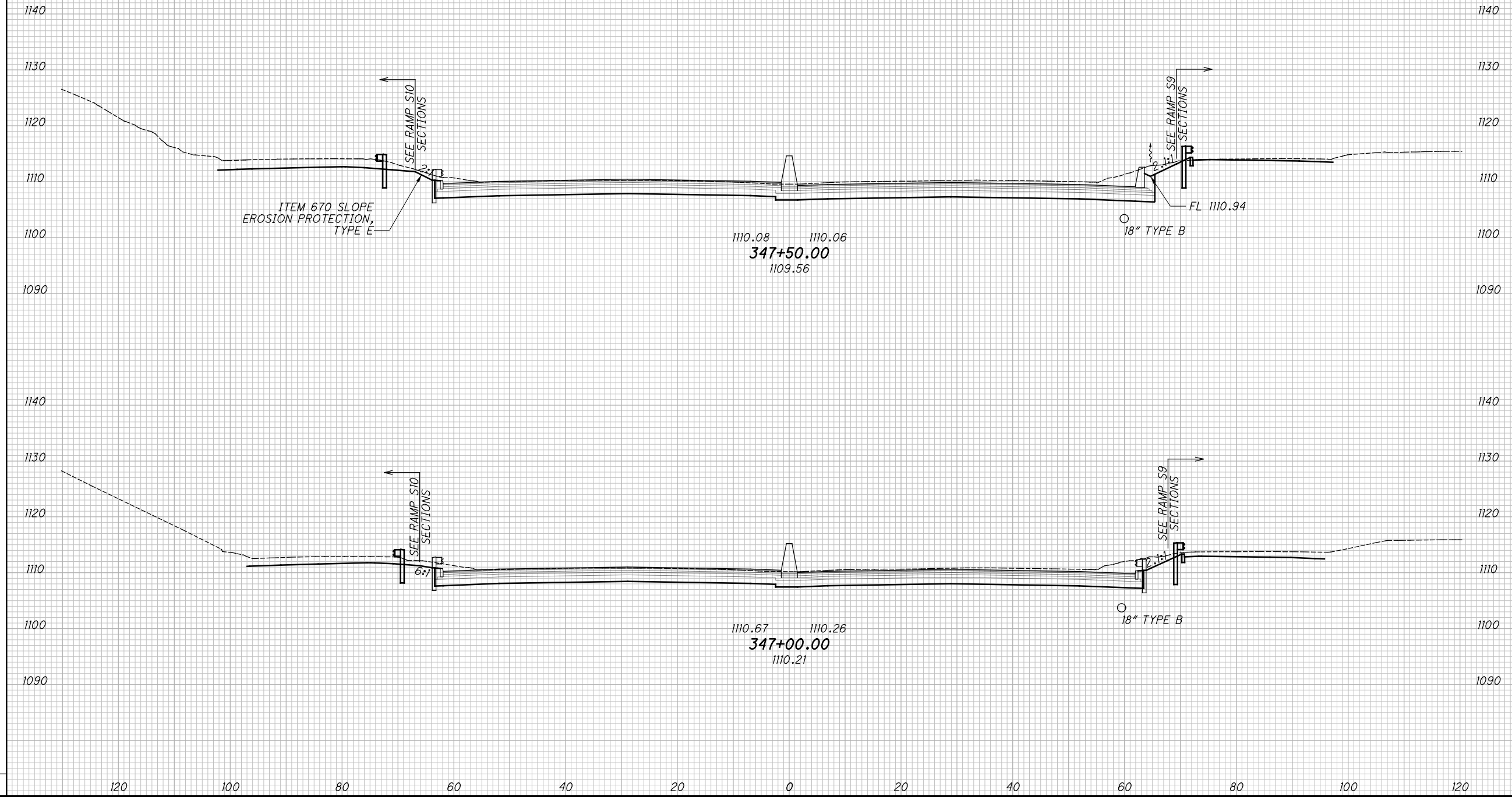
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XS046

SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Release for Construction

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 347+00.00 TO STA. 347+50.00

125
298

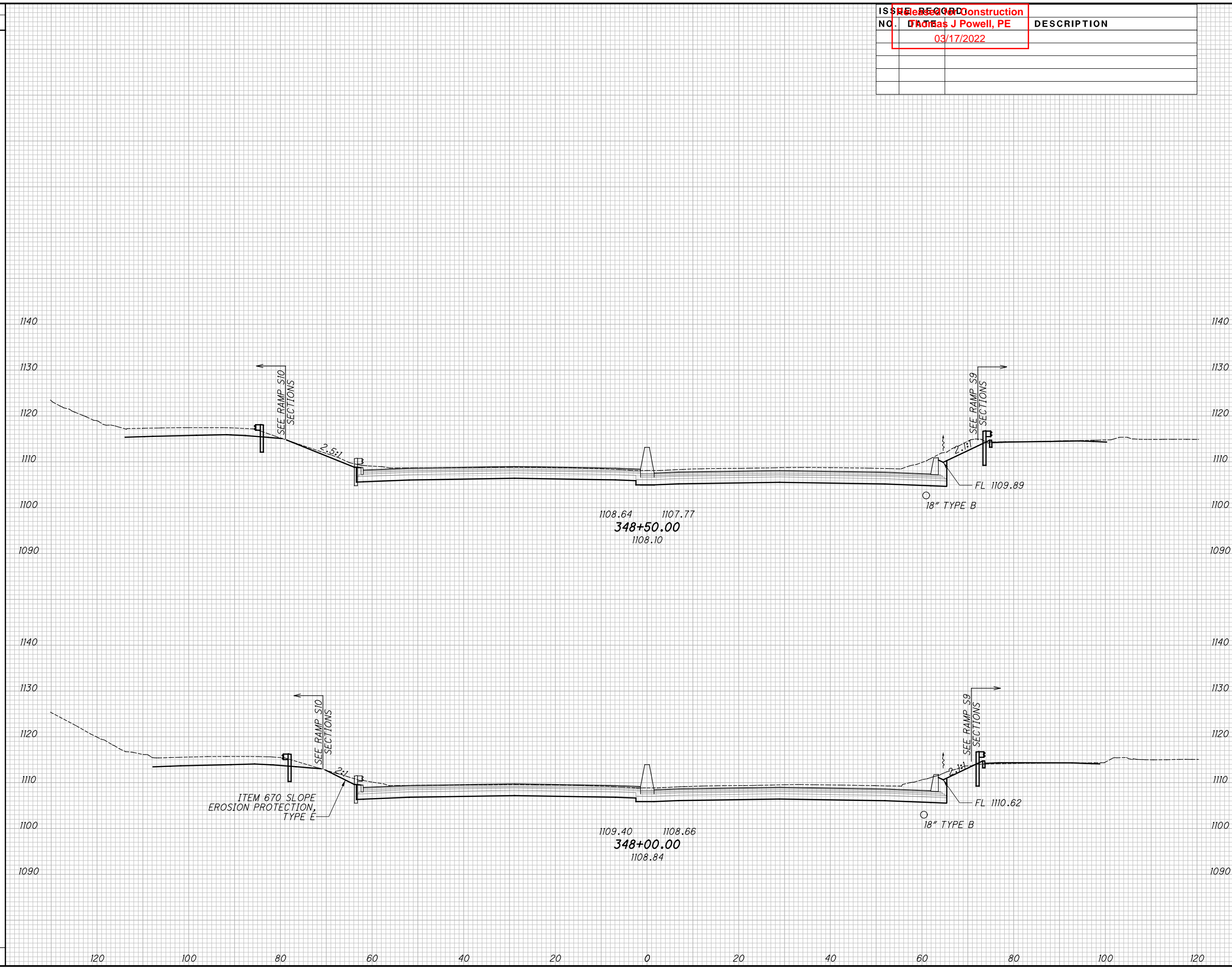
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xs047

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Tamas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 348+00.00 TO STA. 348+50.00

126
298

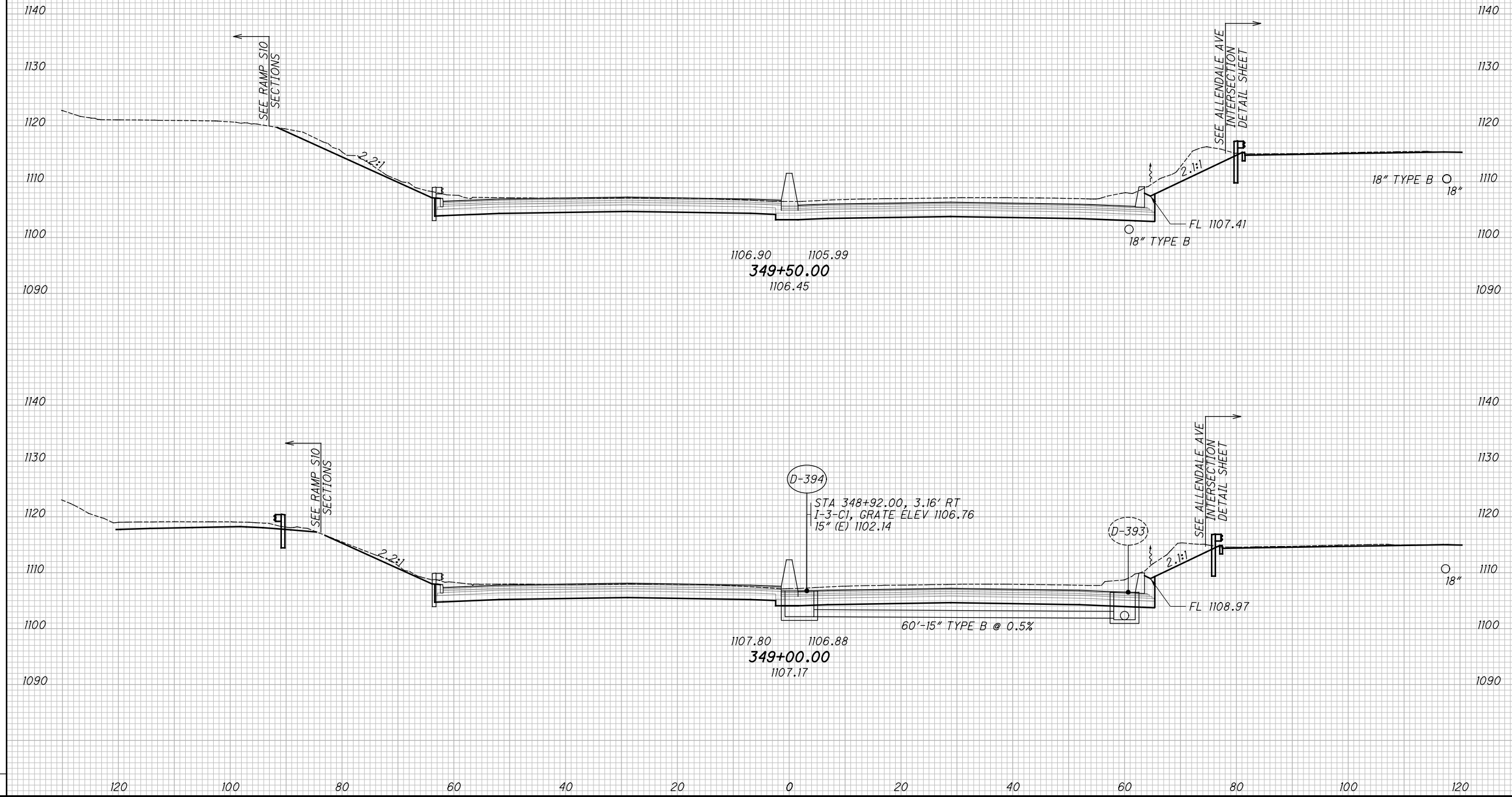
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XS048

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 349+00.00 TO STA. 349+50.00

127
298

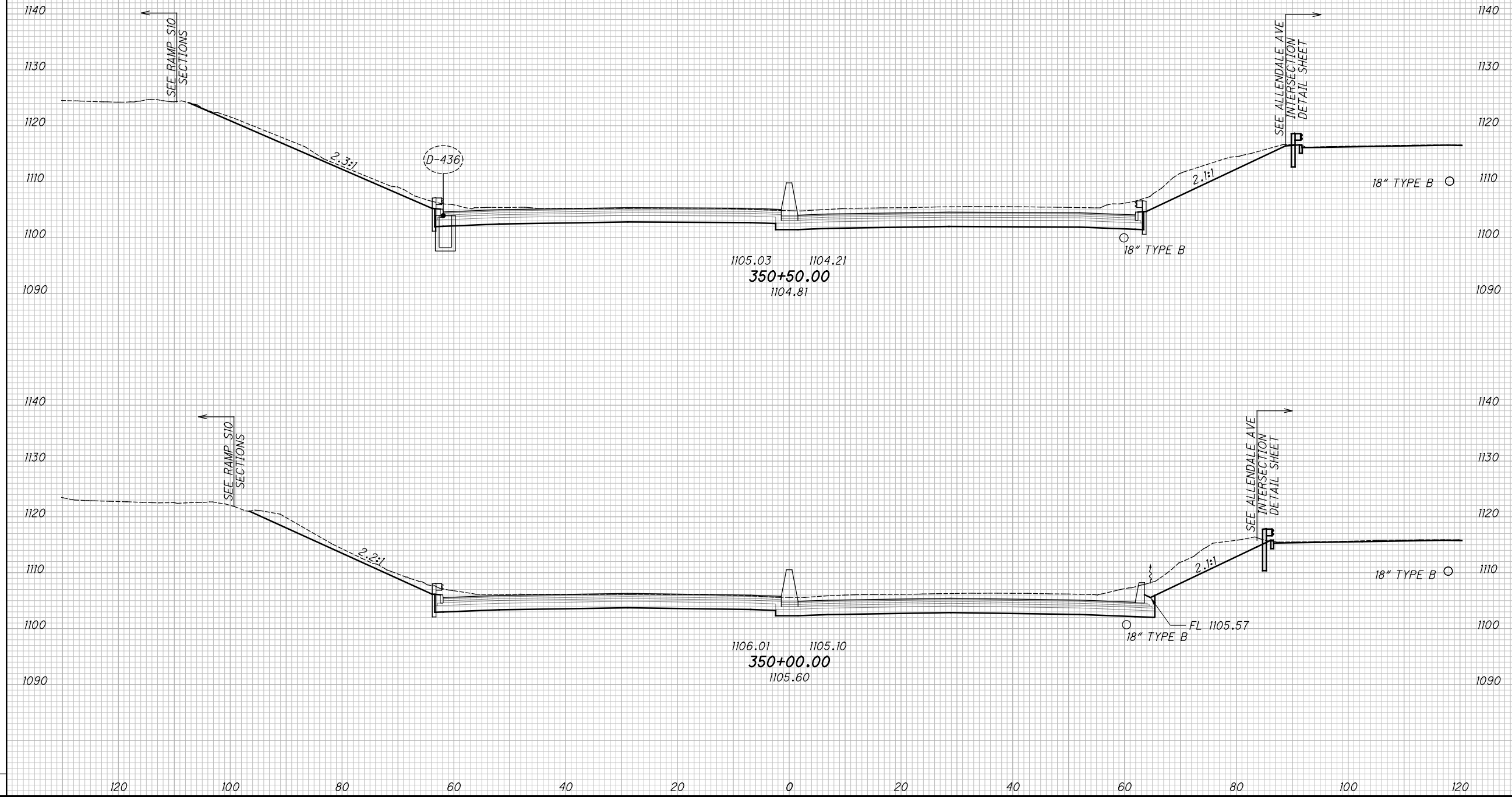
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XS049

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 350+00.00 TO STA. 350+50.00

128
298

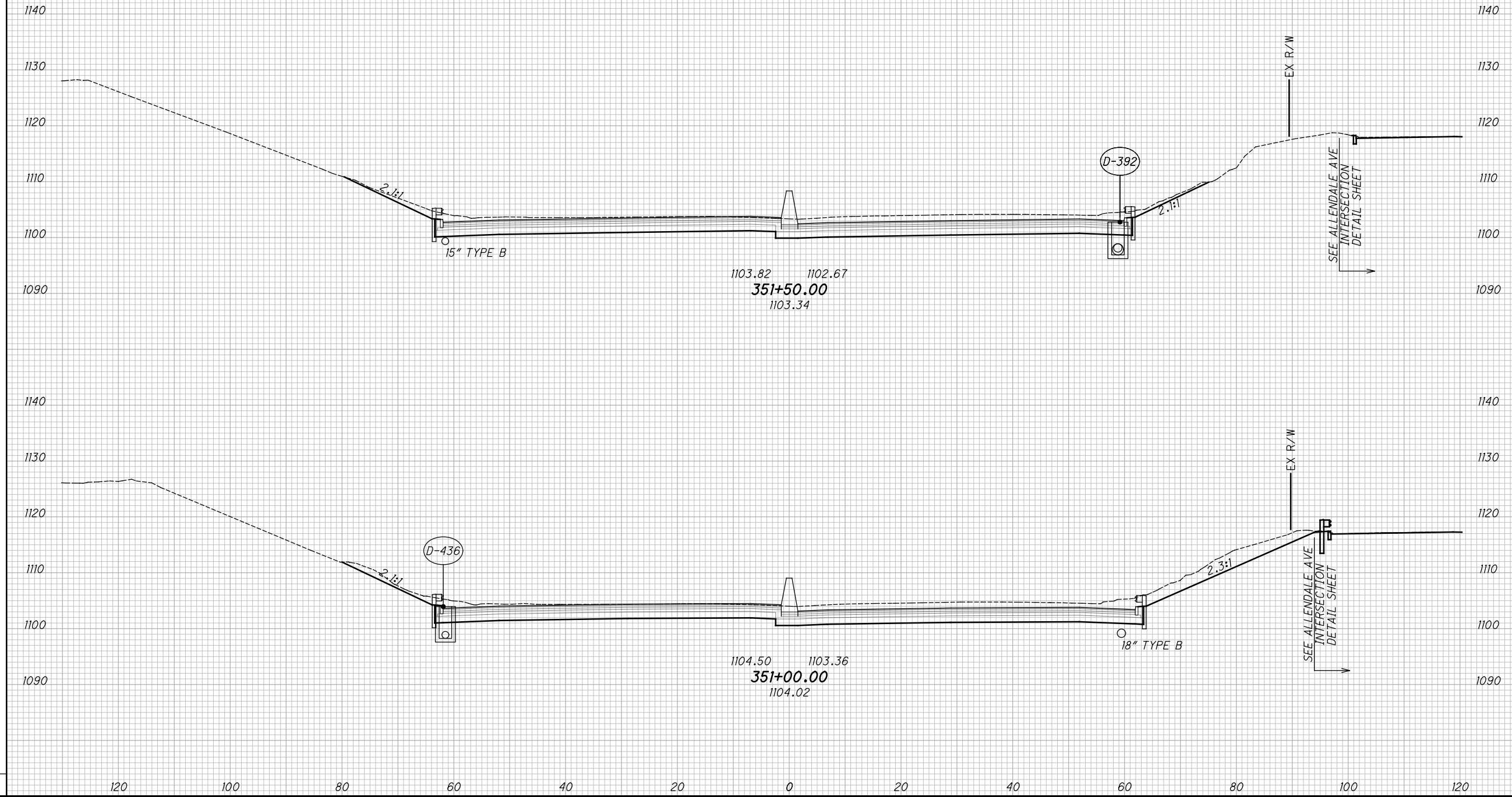
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XS050

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 351+00.00 TO STA. 351+50.00

129
298

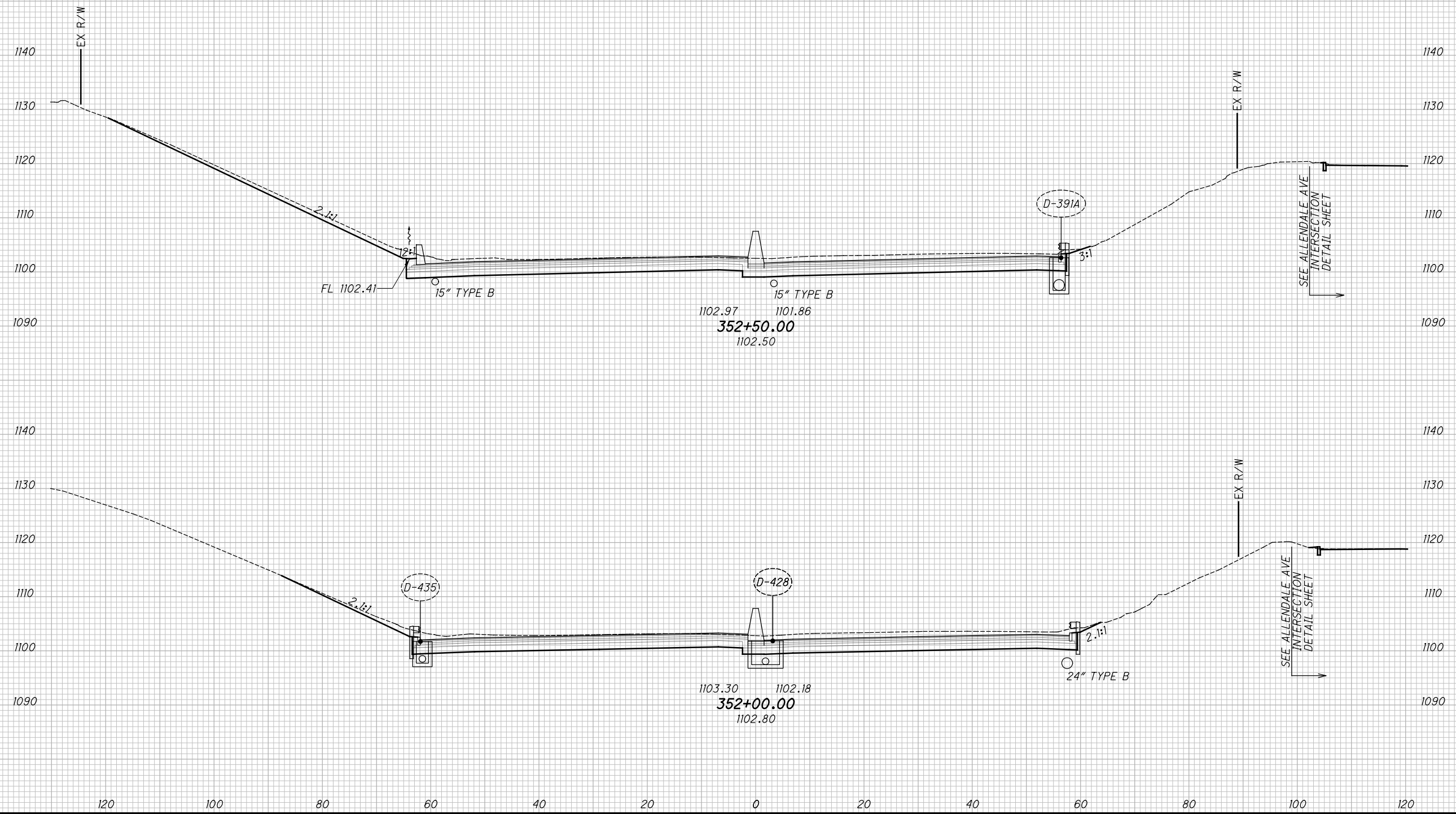
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Xs051

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM
<p style="text-align: center;">CROSS SECTIONS - I.R. 77</p> <p style="text-align: center;">STA. 352+00.00 TO STA. 352+50.00</p>				<p style="writing-mode: vertical-rl; transform: rotate(180deg);">2022-03-02-BU 34-RFC PLANS</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SUM - 76 / 77 / 8 -</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">8.24 / 9.74 / 0.00</p>	<p style="text-align: center;">130</p> <p style="text-align: center;">298</p>			



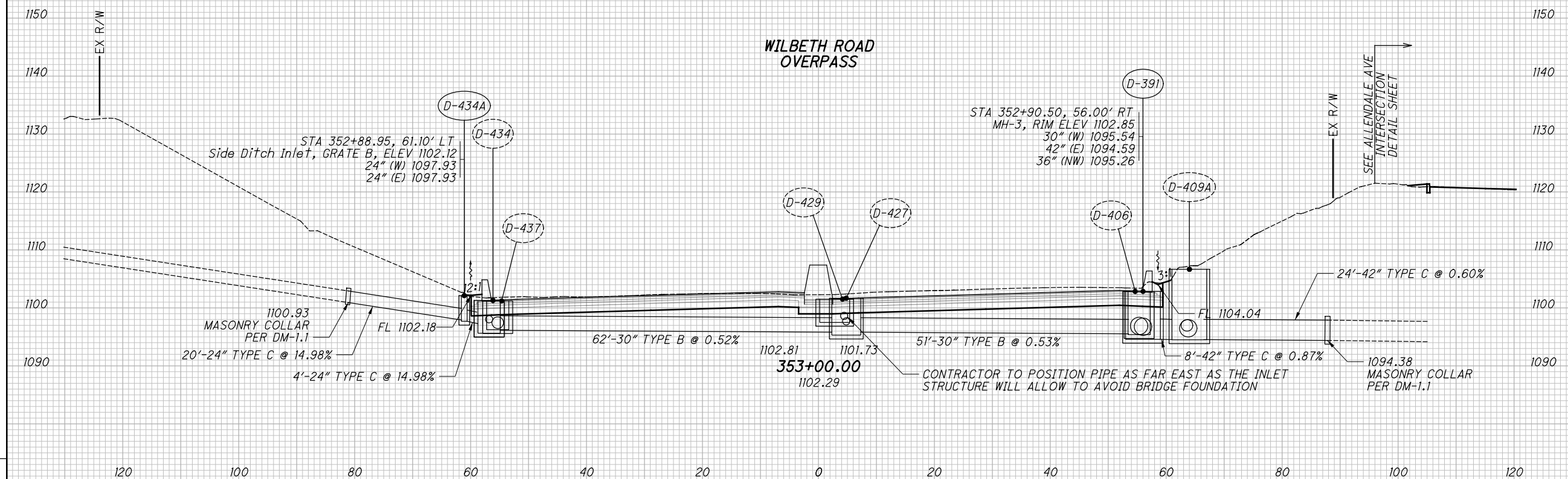
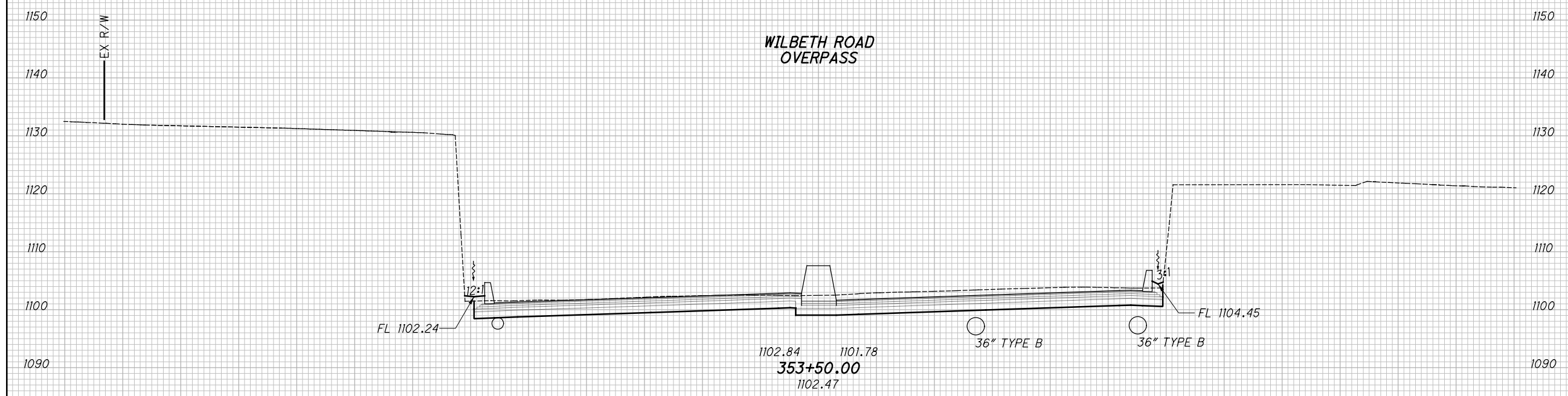
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xs052

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

CROSS SECTIONS - I.R. 77
 STA. 353+00.00 TO STA. 353+50.00

131
298

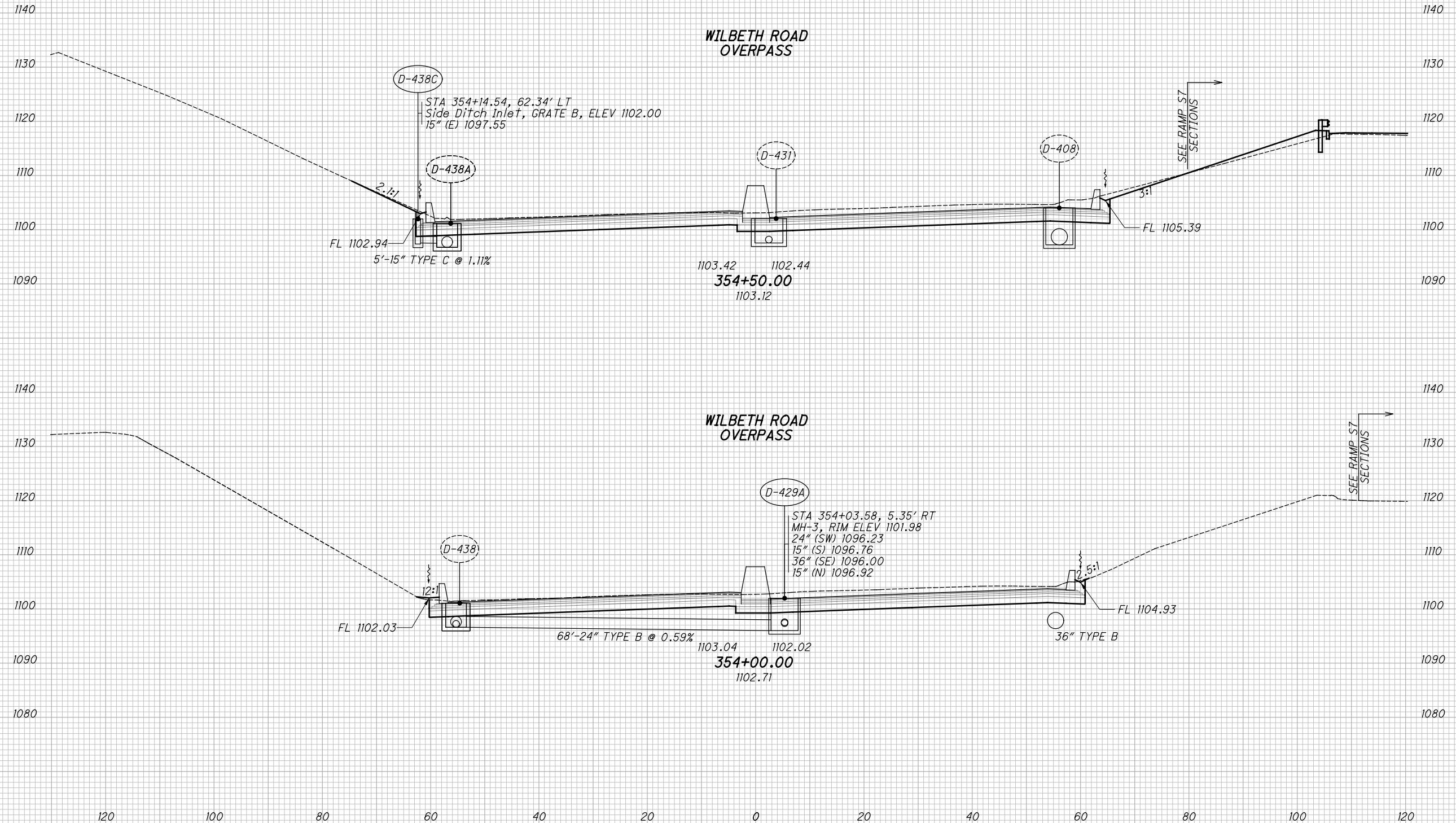
xs053

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77
STA. 354+00.00 TO STA. 354+50.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

132
298

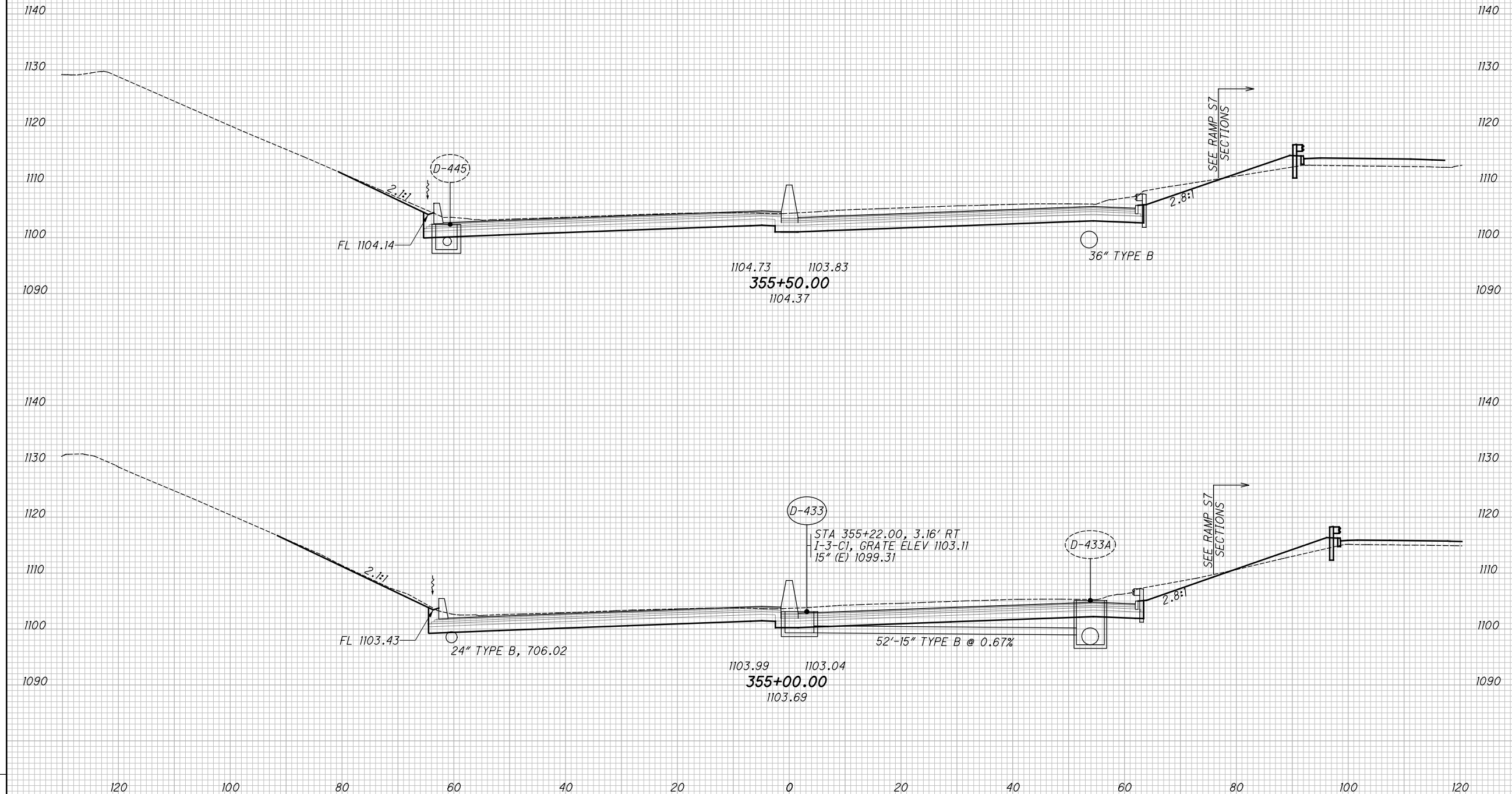
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xs054

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-14-BU 34-RFC PLANS

CROSS SECTIONS - I.R. 77
STA. 355+00.00 TO STA. 355+50.00

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

133
298

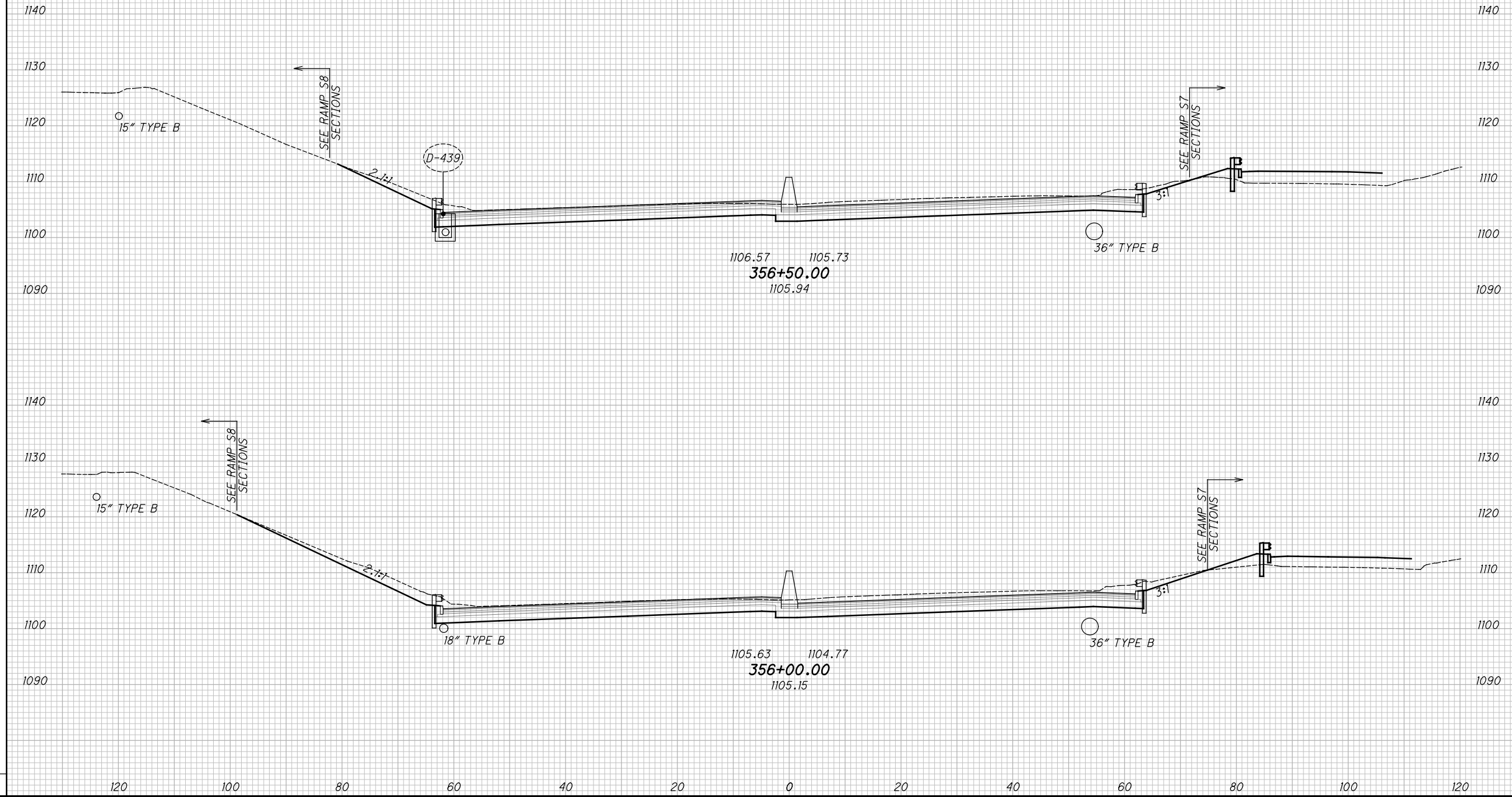
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xs055

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 356+00.00 TO STA. 356+50.00

134
298

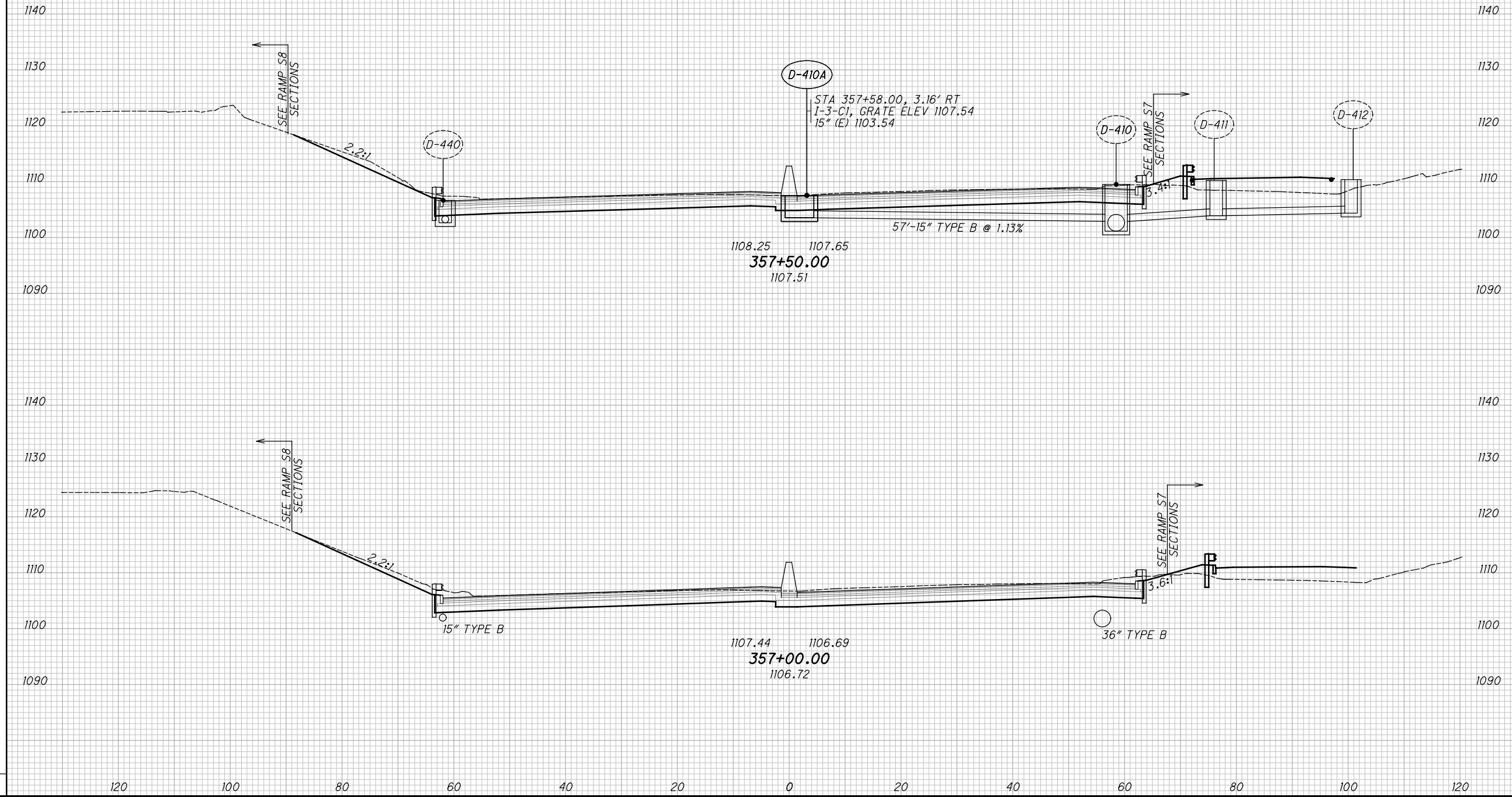
XS056

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
001	Release for Construction
002	Thomas J Powell, PE
003	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - I.R. 77
STA. 357+00.00 TO STA. 357+50.00

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

135
298

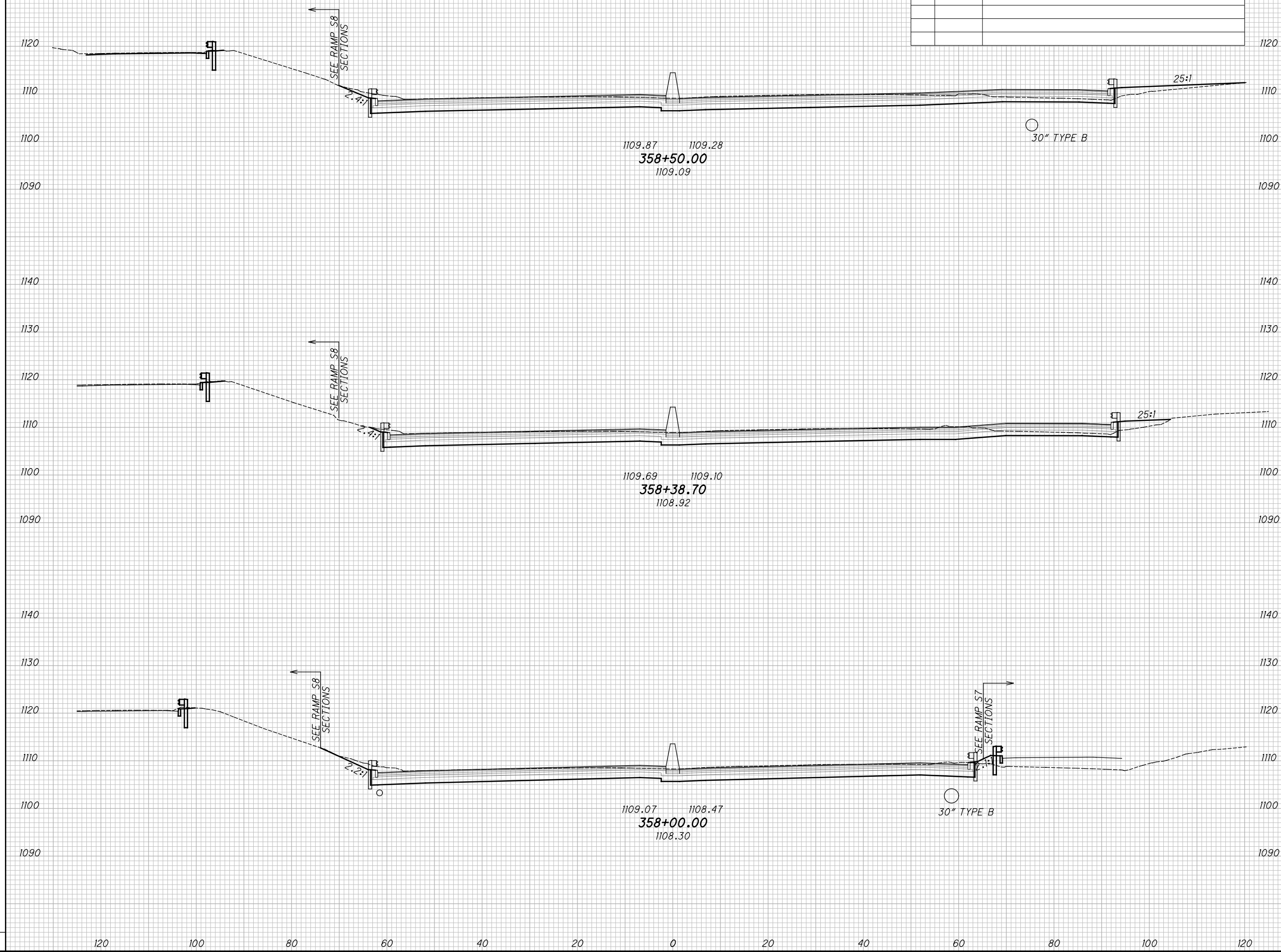
XS057

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00

CROSS SECTIONS - I.R. 77
 STA. 358+00.00 TO STA. 358+50.00

136
 298

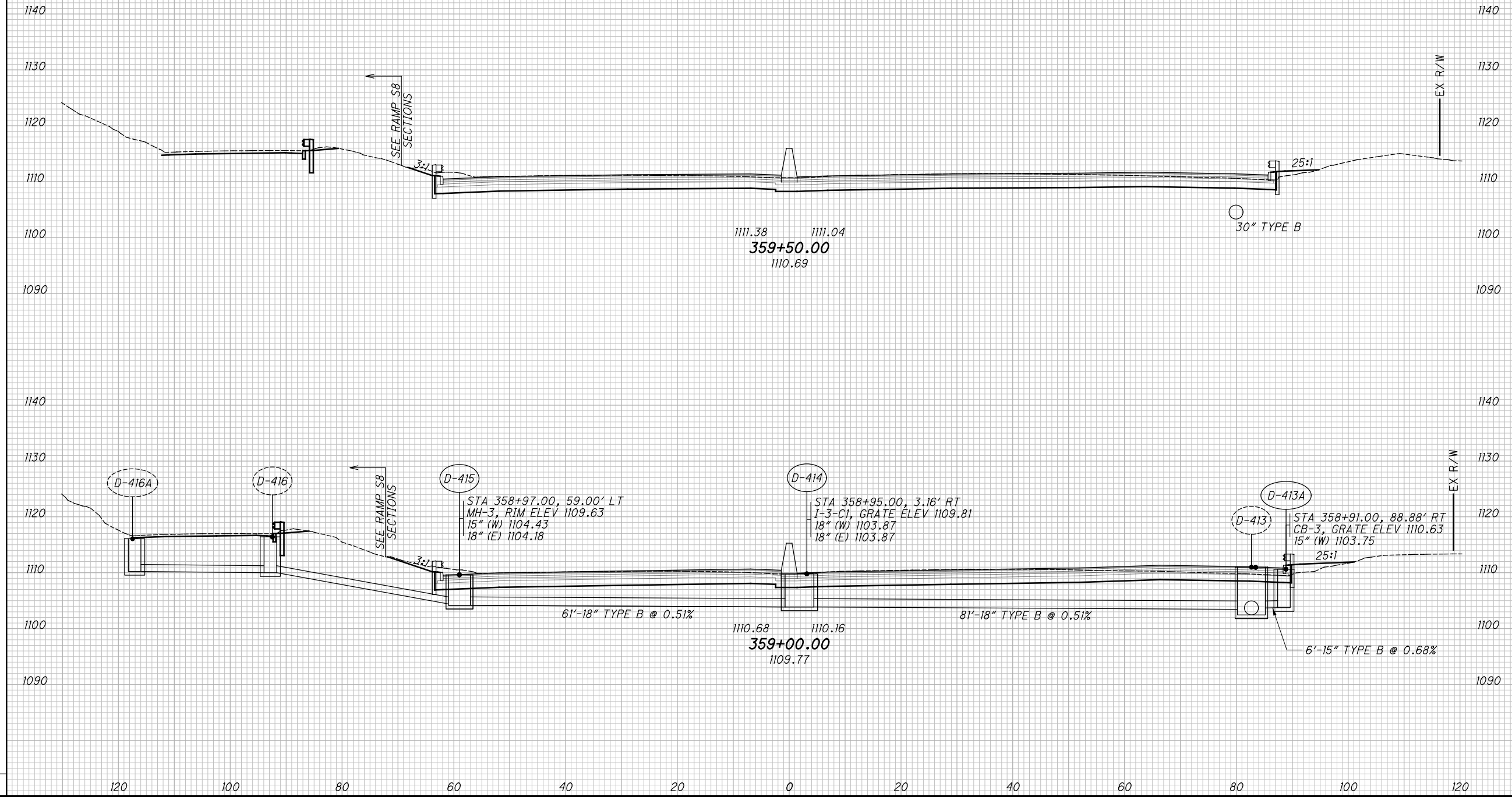
XS058

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 359+00.00 TO STA. 359+50.00

137
298

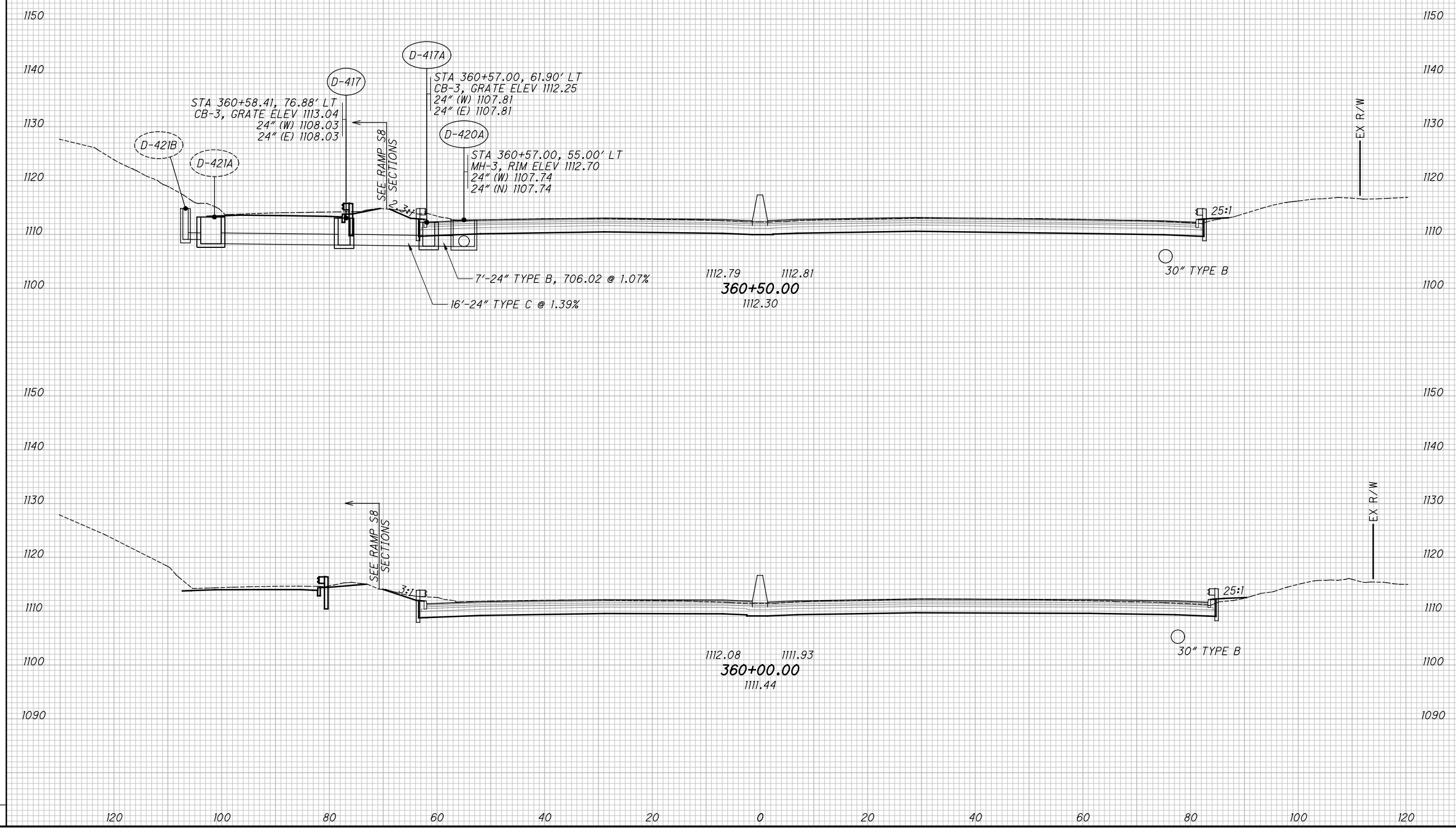
XS059

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 360+00.00 TO STA. 360+50.00

138
298

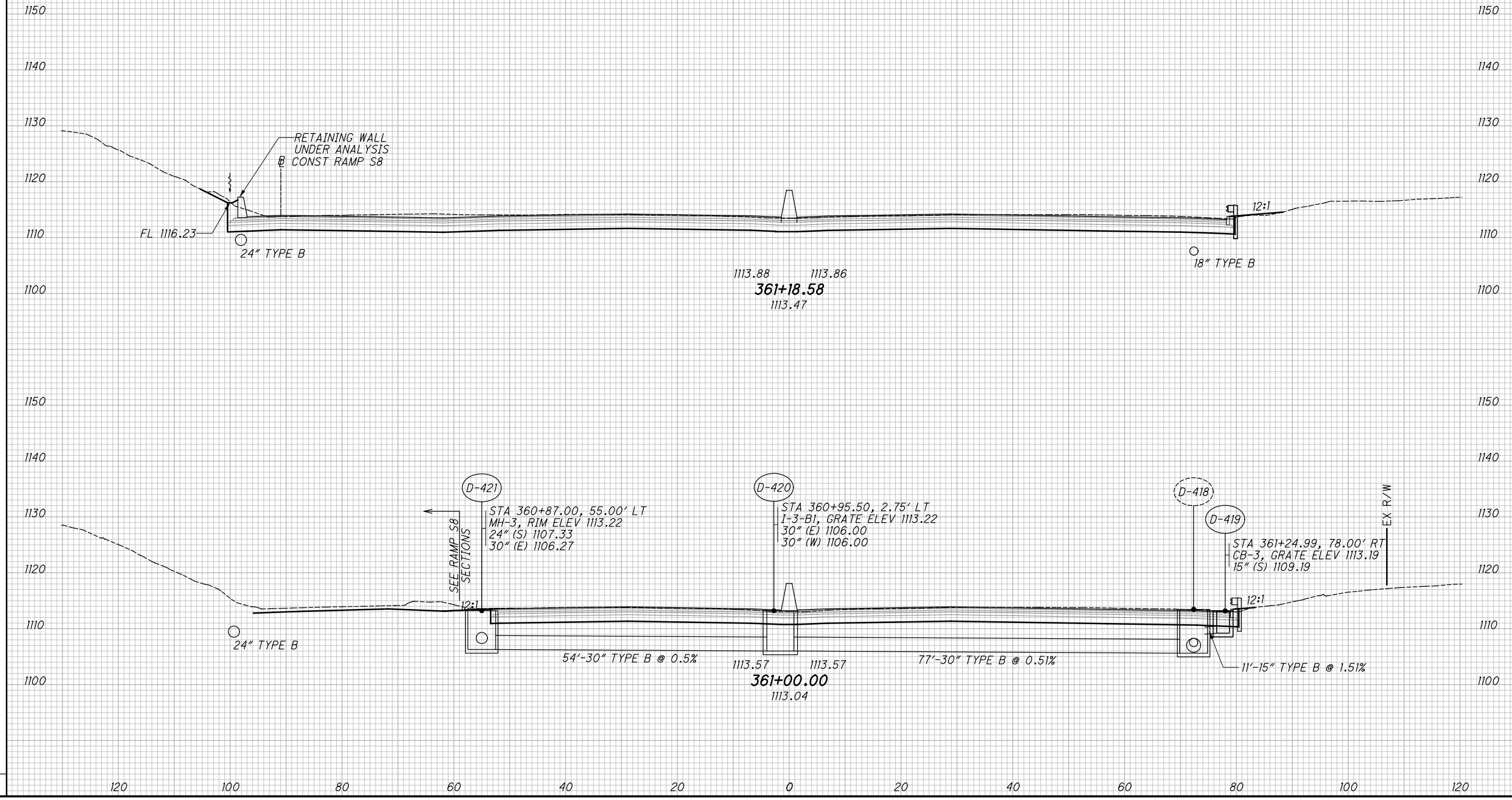
XS060

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 361+00.00 TO STA. 361+18.58

139
298

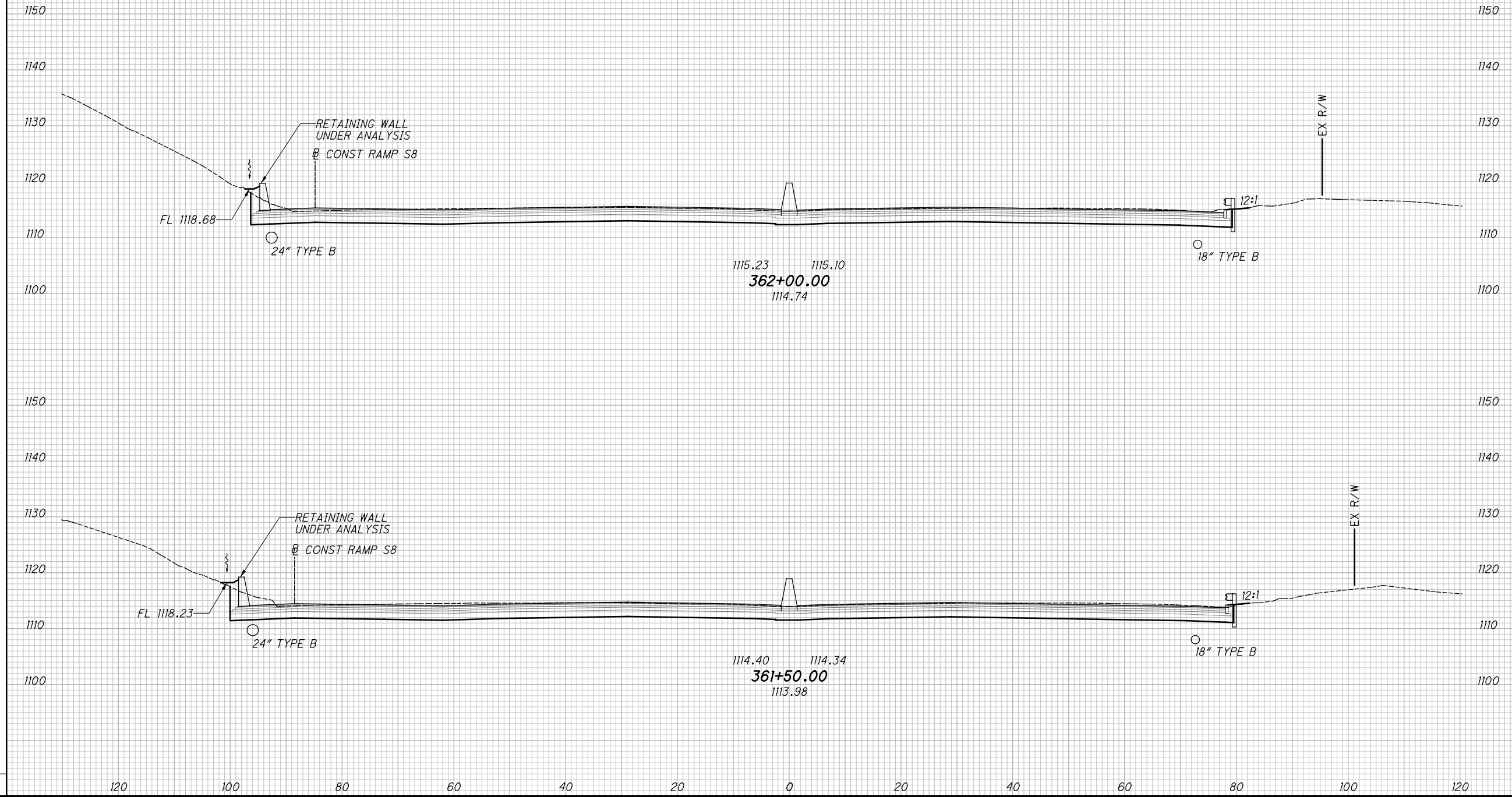
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xs061

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Advised J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 361+50.00 TO STA. 362+00.00

140
298

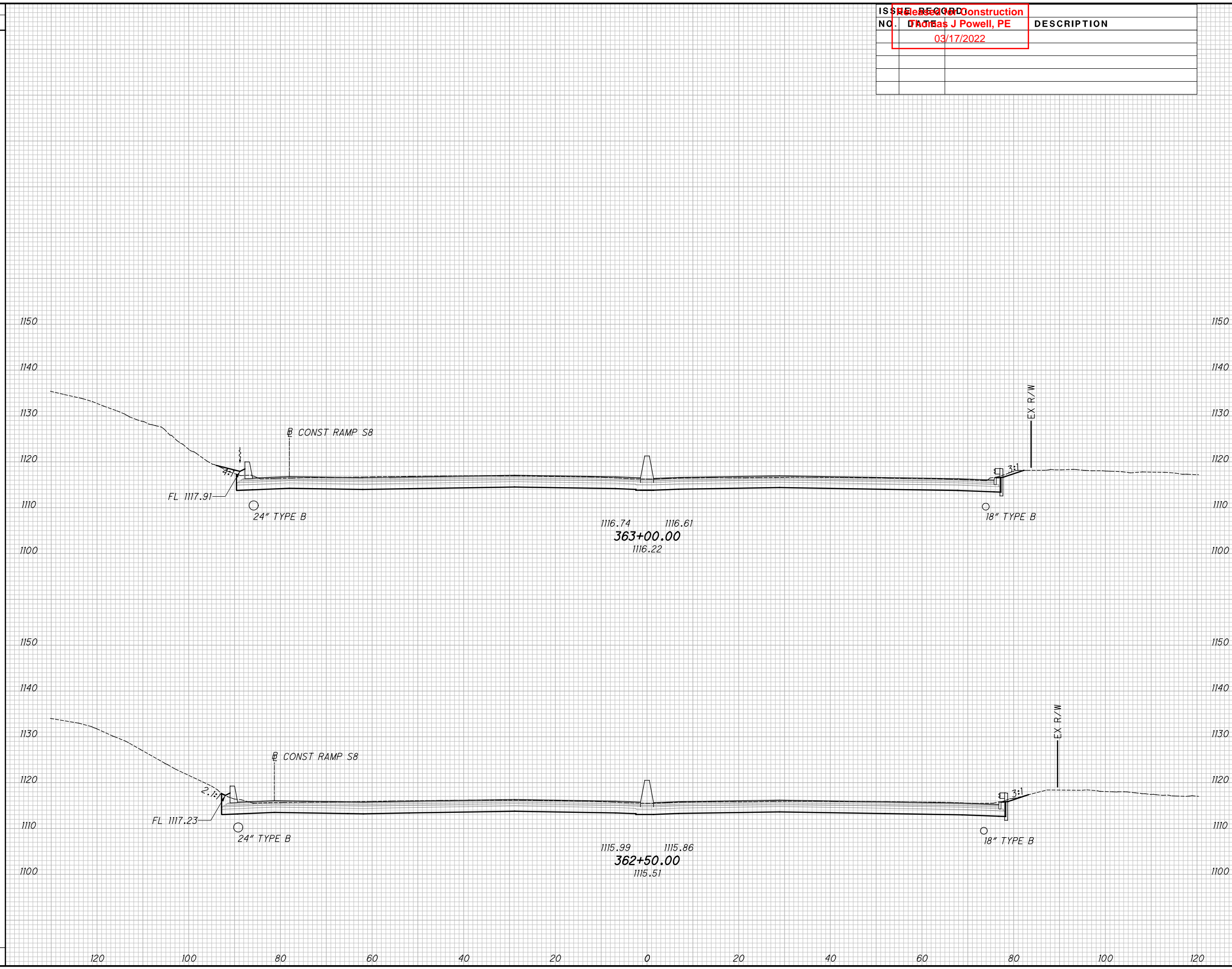
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xs062

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 362+50.00 TO STA. 363+00.00

141
298

xs063

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SEEDING	
END WIDTH	SO. YDS.

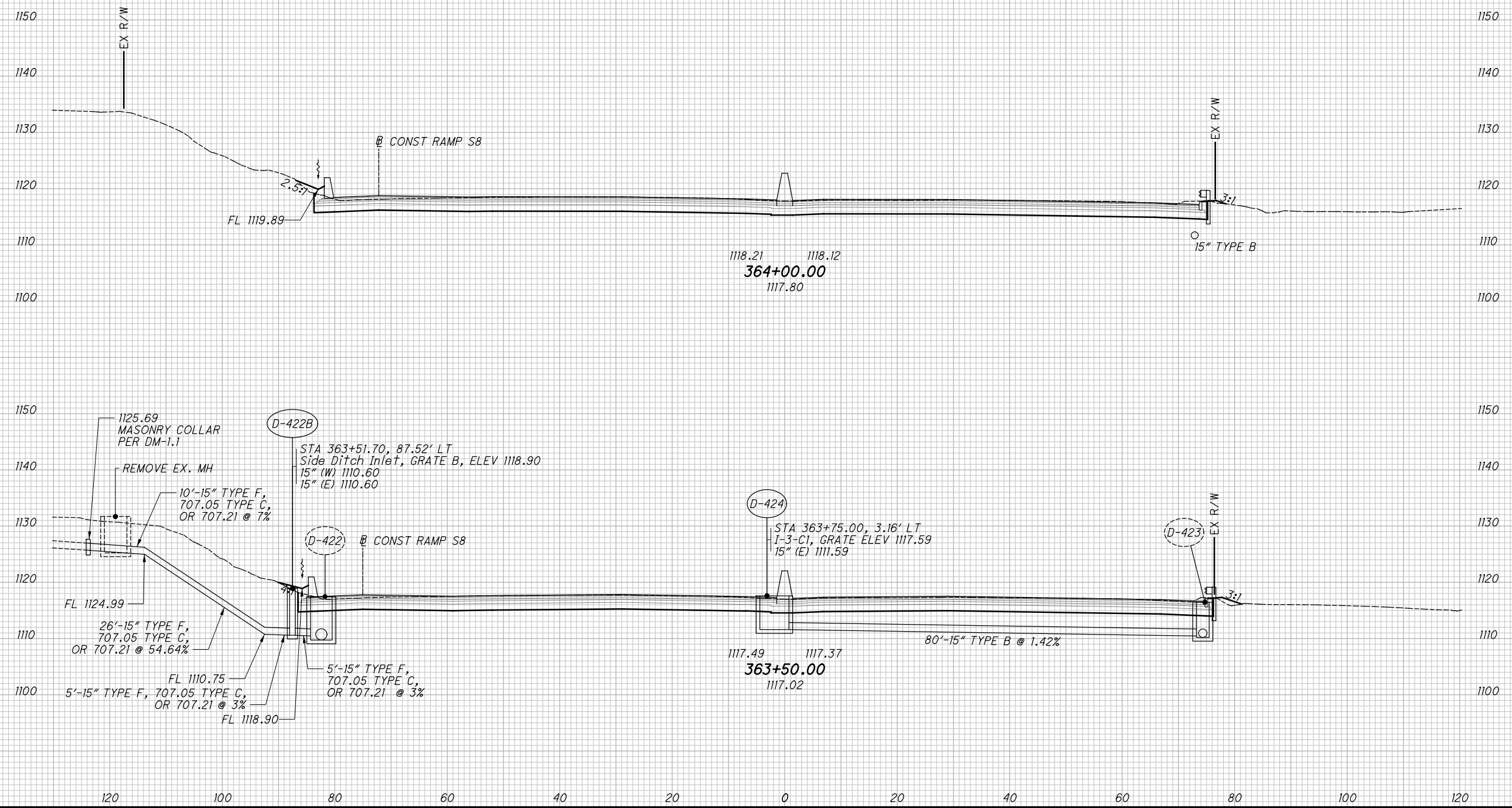
ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		

CROSS SECTIONS - I.R. 77	
STA. 363+50.00 TO STA. 364+00.00	

2022-03-02-BU 34-RFC PLANS	
SUM-76 / 77 / 8-	
8.24 / 9.74 / 0.00	

142
298



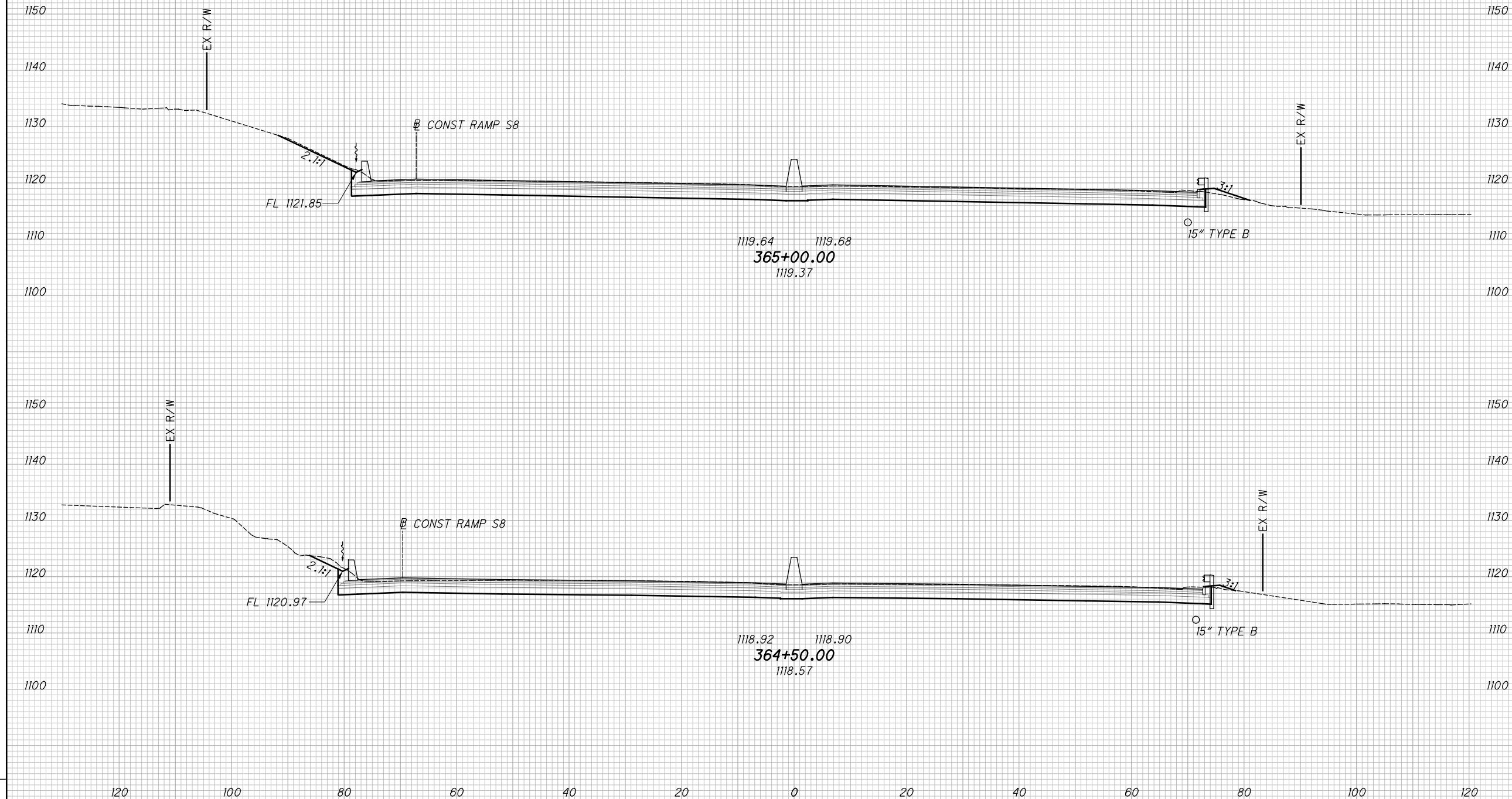
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xs064

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

143
298

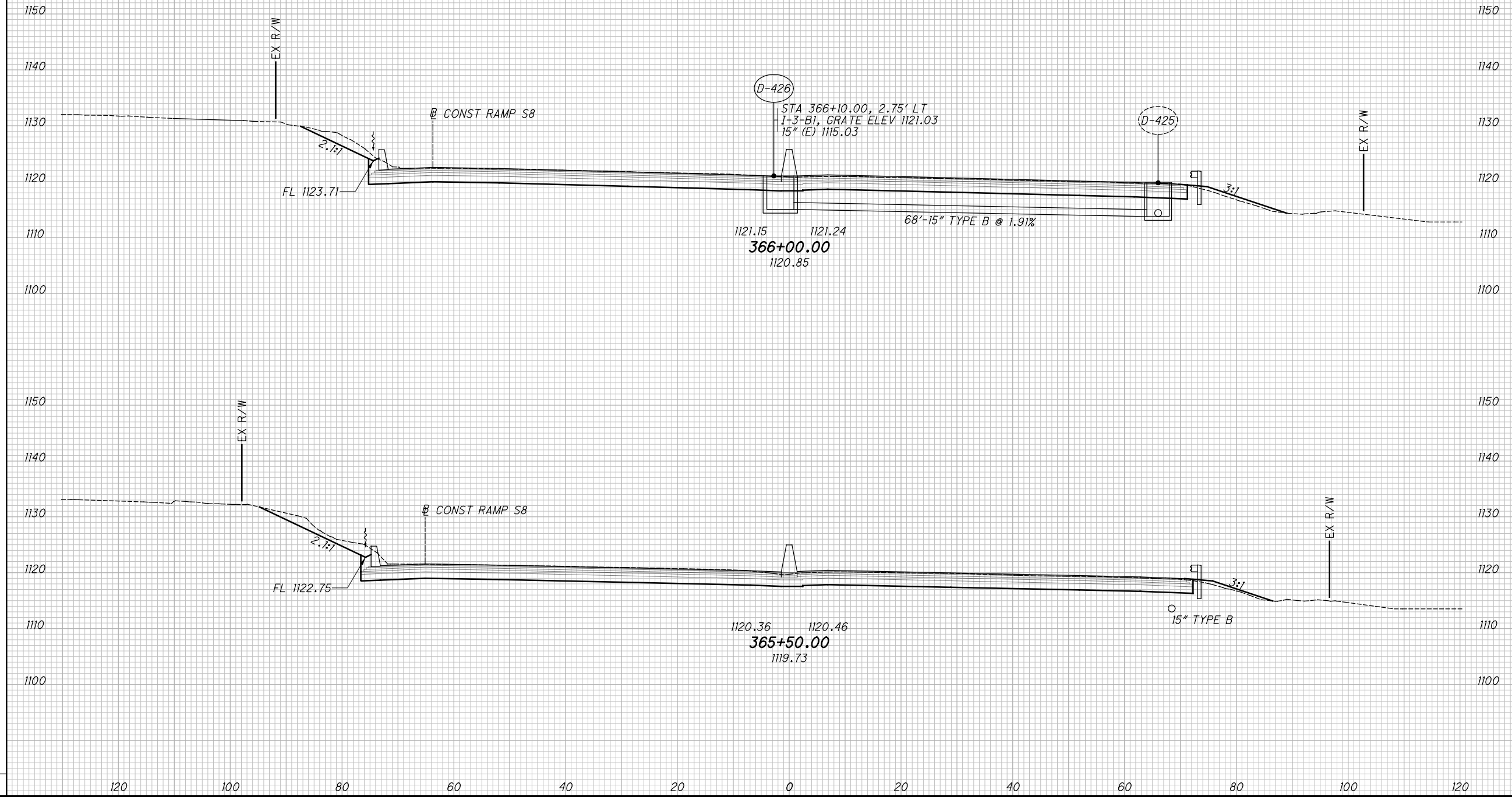
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xs066

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 365+50.00 TO STA. 366+00.00

144
298

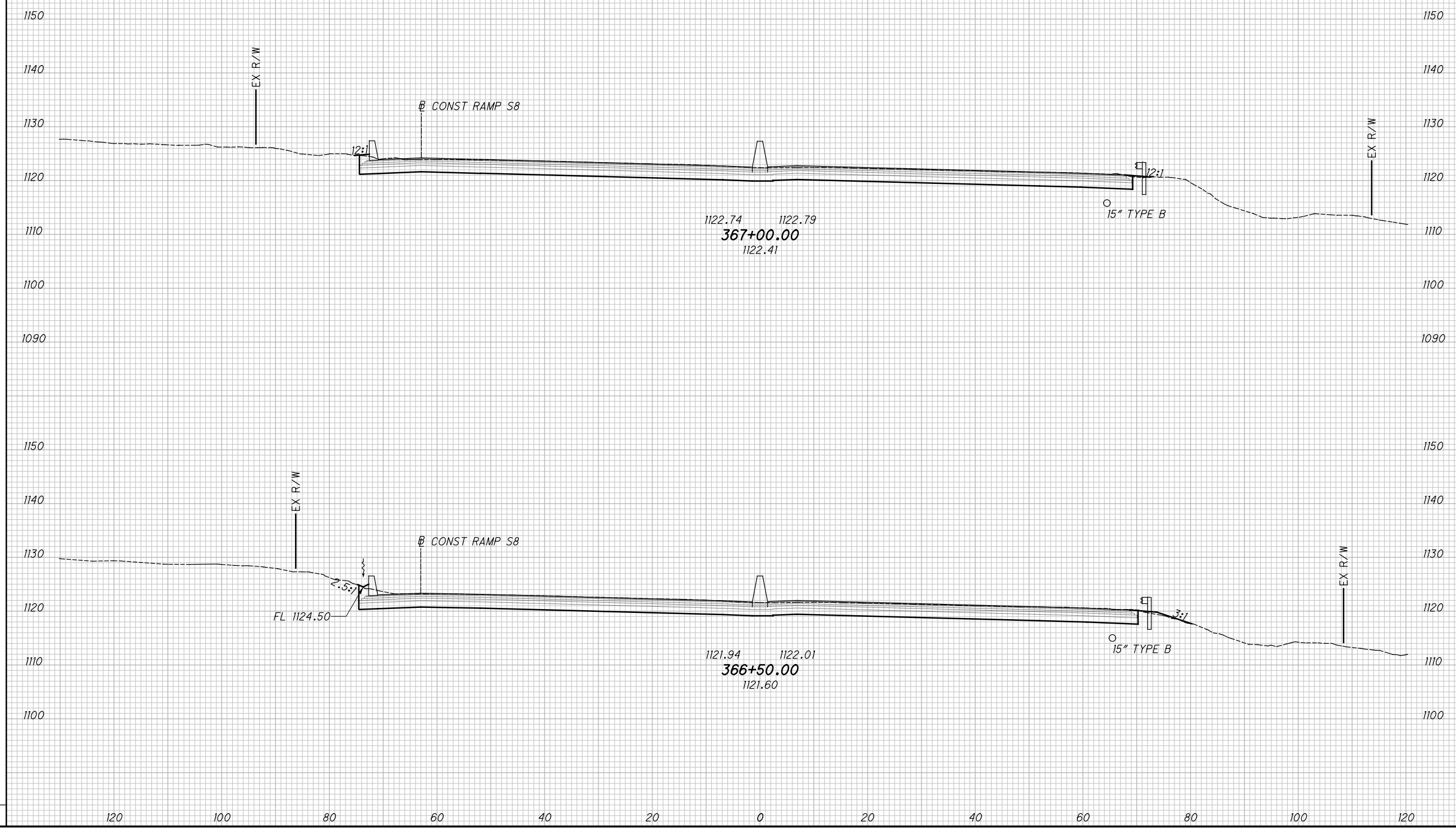
XS066

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 366+50.00 TO STA. 367+00.00

145
298

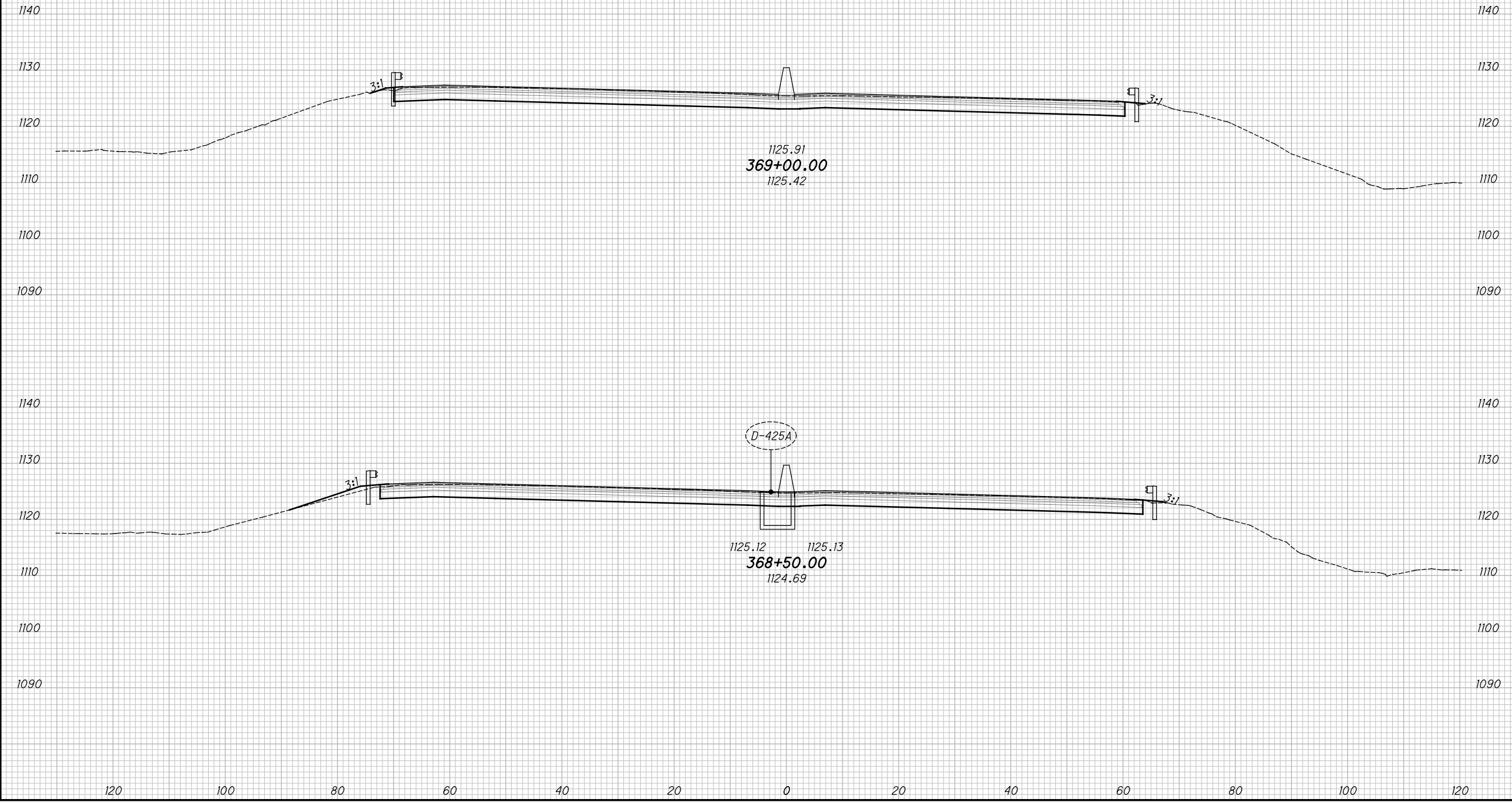
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XS068

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - I.R. 77

SUM - 76 / 77 / 8 -

8.24 / 9.74 / 0.00

STA. 368+50.00 TO STA. 369+00.00

147
298

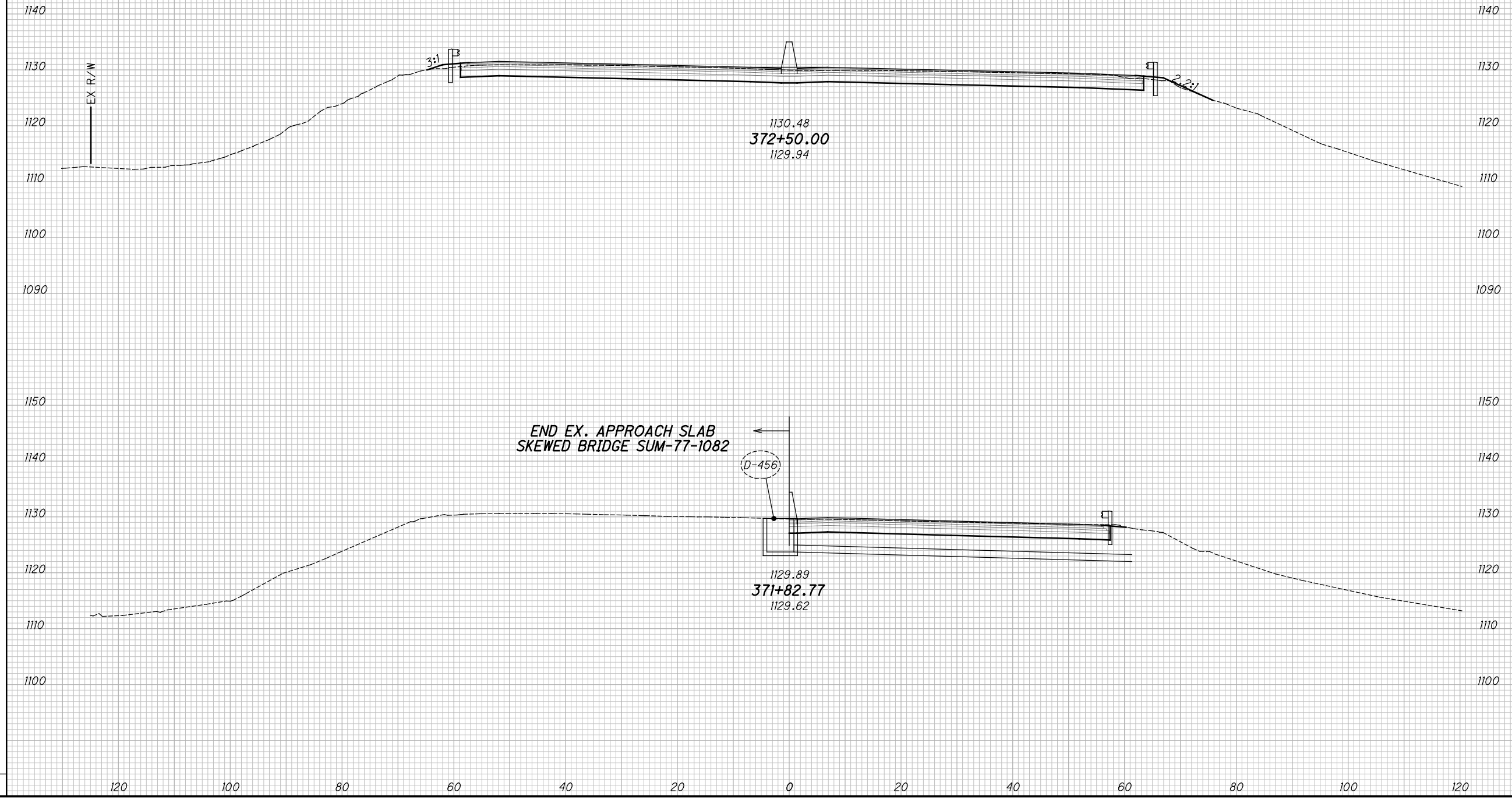
xs070

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 371+82.77 TO STA. 372+50.00

149
298

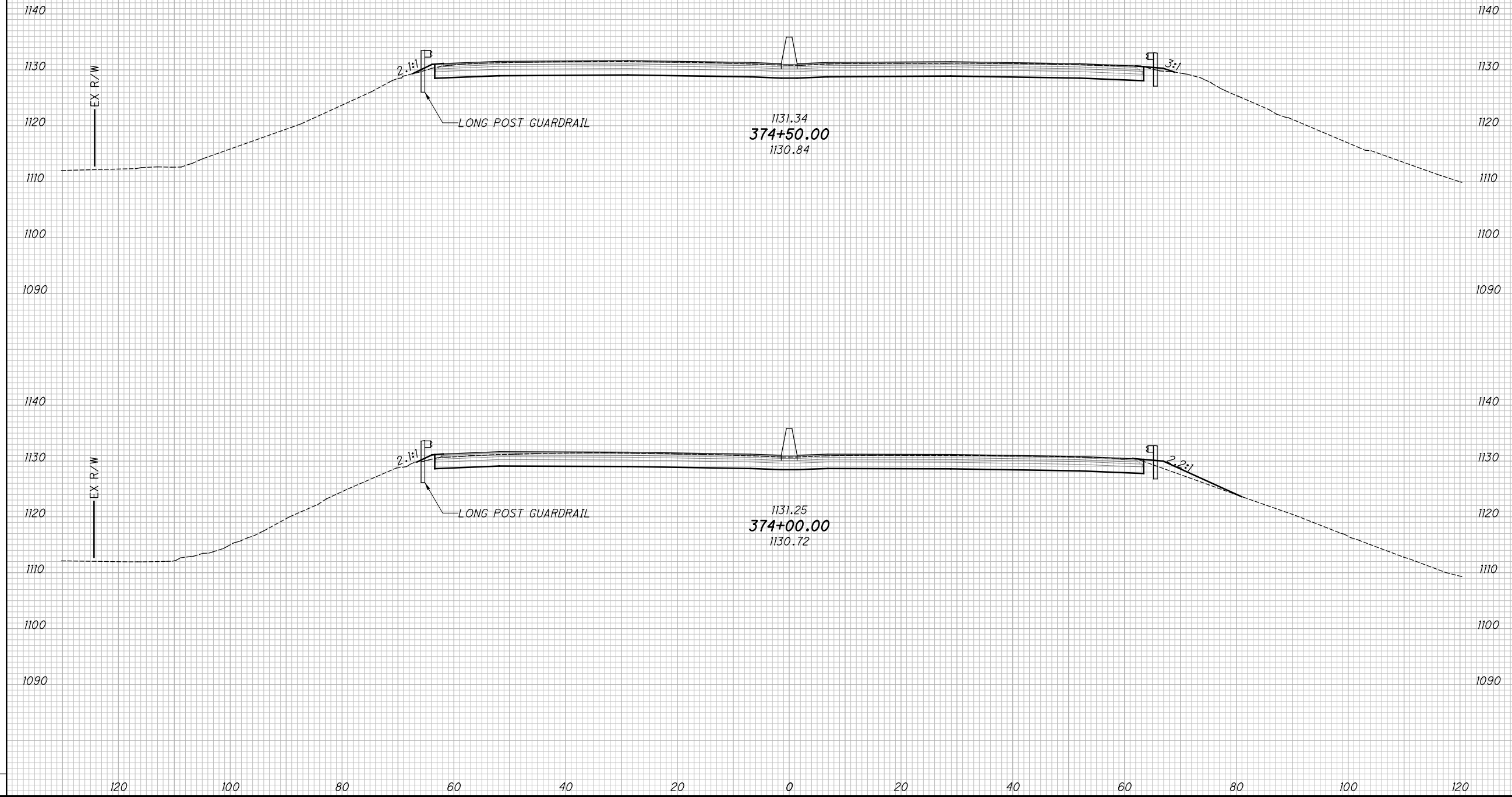
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xs072

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Tamas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
CROSS SECTIONS - I.R. 77
STA. 374+00.00 TO STA. 374+50.00
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

151
298

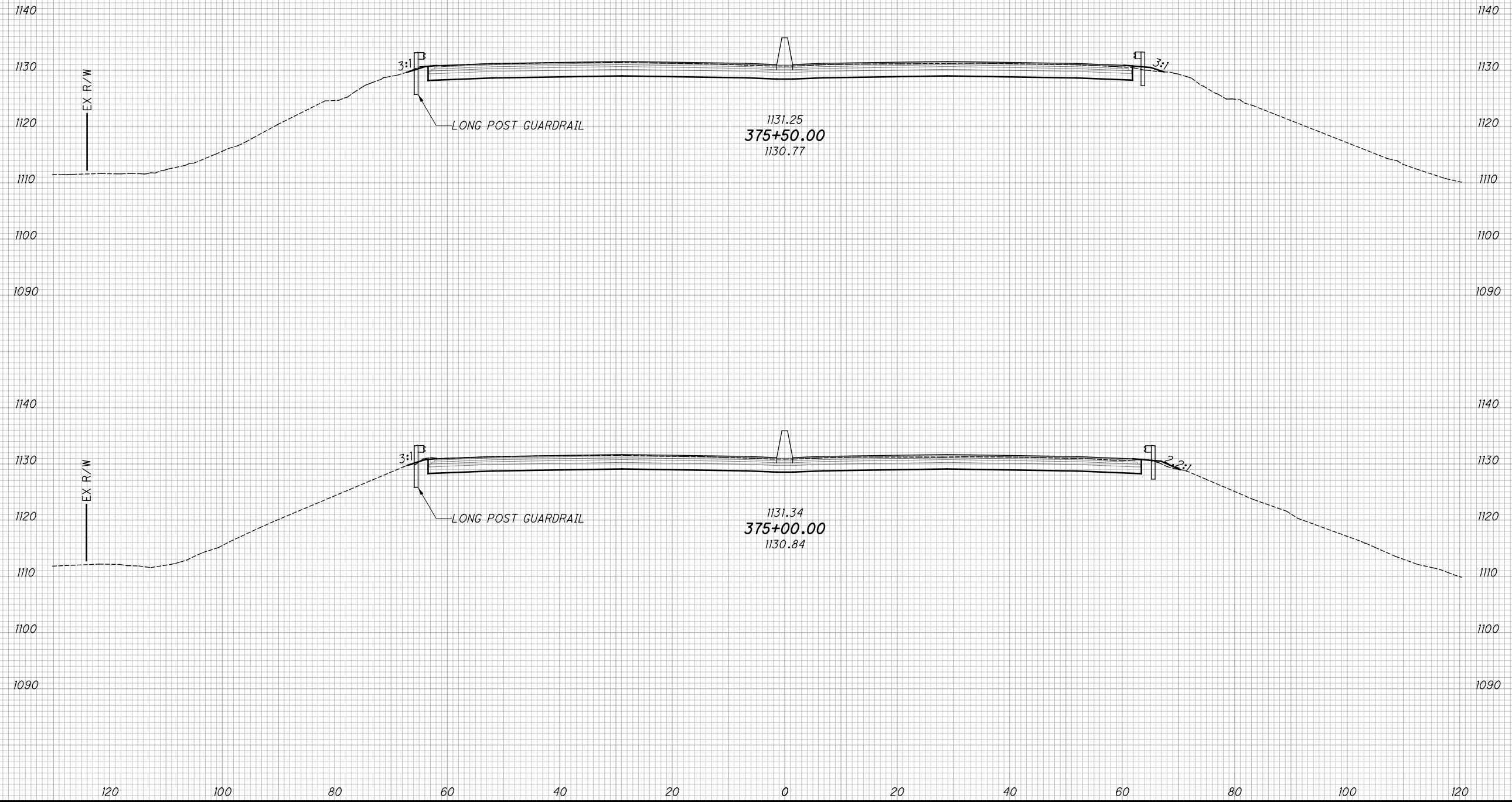
xs073

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		
2022-03-02-BU 34-RFC PLANS SUM - 76 / 77 / 8 - 8.24 / 9.74 / 0.00					
CROSS SECTIONS - I.R. 77 STA. 375+00.00 TO STA. 375+50.00					
152 298					



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xs074

SEEDING
END SO.
WIDTH YDS.

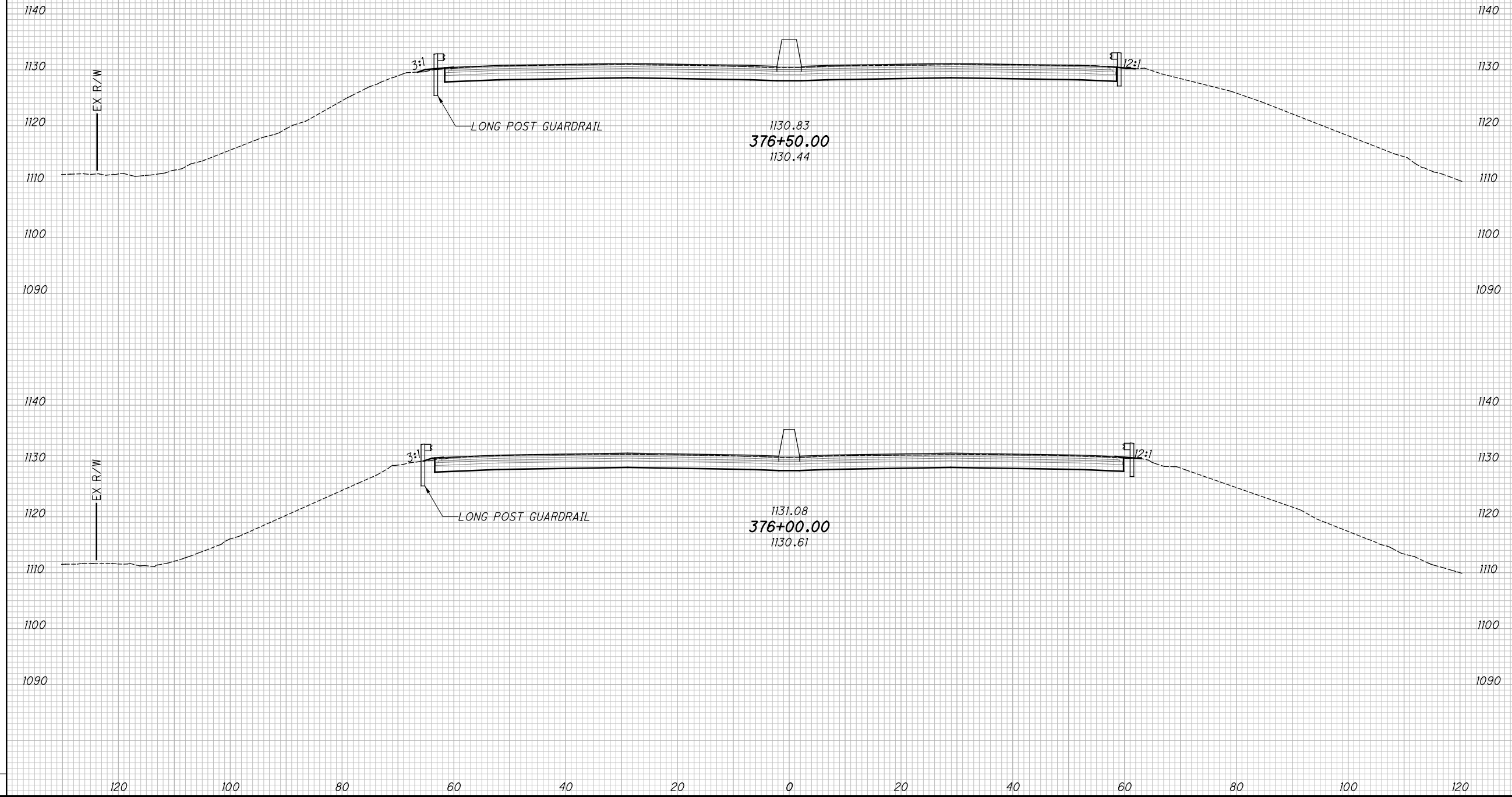
ISSUE NO.	001	Release for Construction
NO.	001	Tamas J Powell, PE
		03/17/2022

END AREA
CUT FILL

VOLUME
CUT FILL

CALCULATED
JDD

CHECKED
JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 376+00.00 TO STA. 376+50.00

153
298

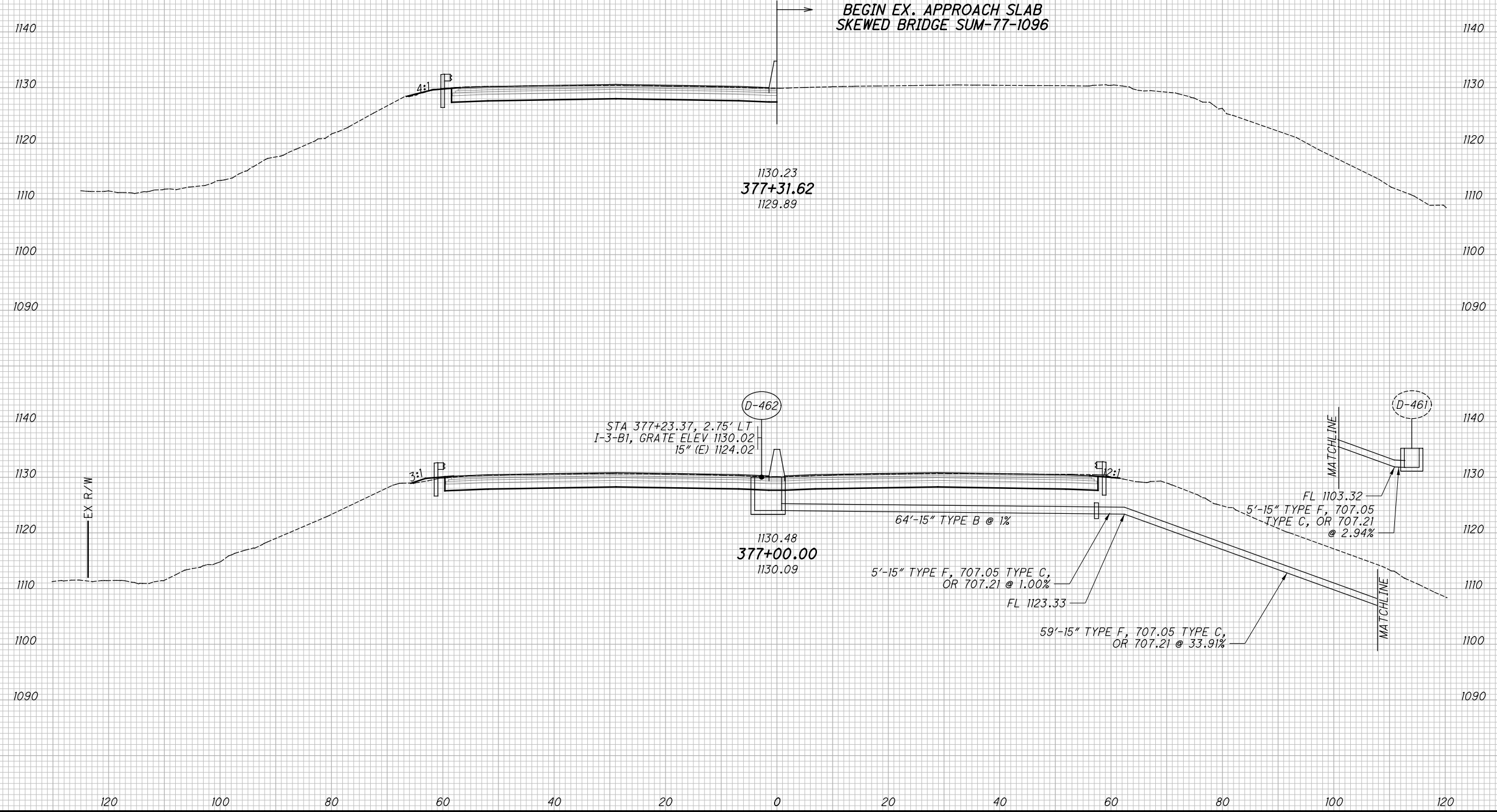
xs075

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - I.R. 77

STA. 377+00.00 TO STA. 377+31.62

SUM-76 / 77 / 8-

8.24 / 9.74 / 0.00

154
298

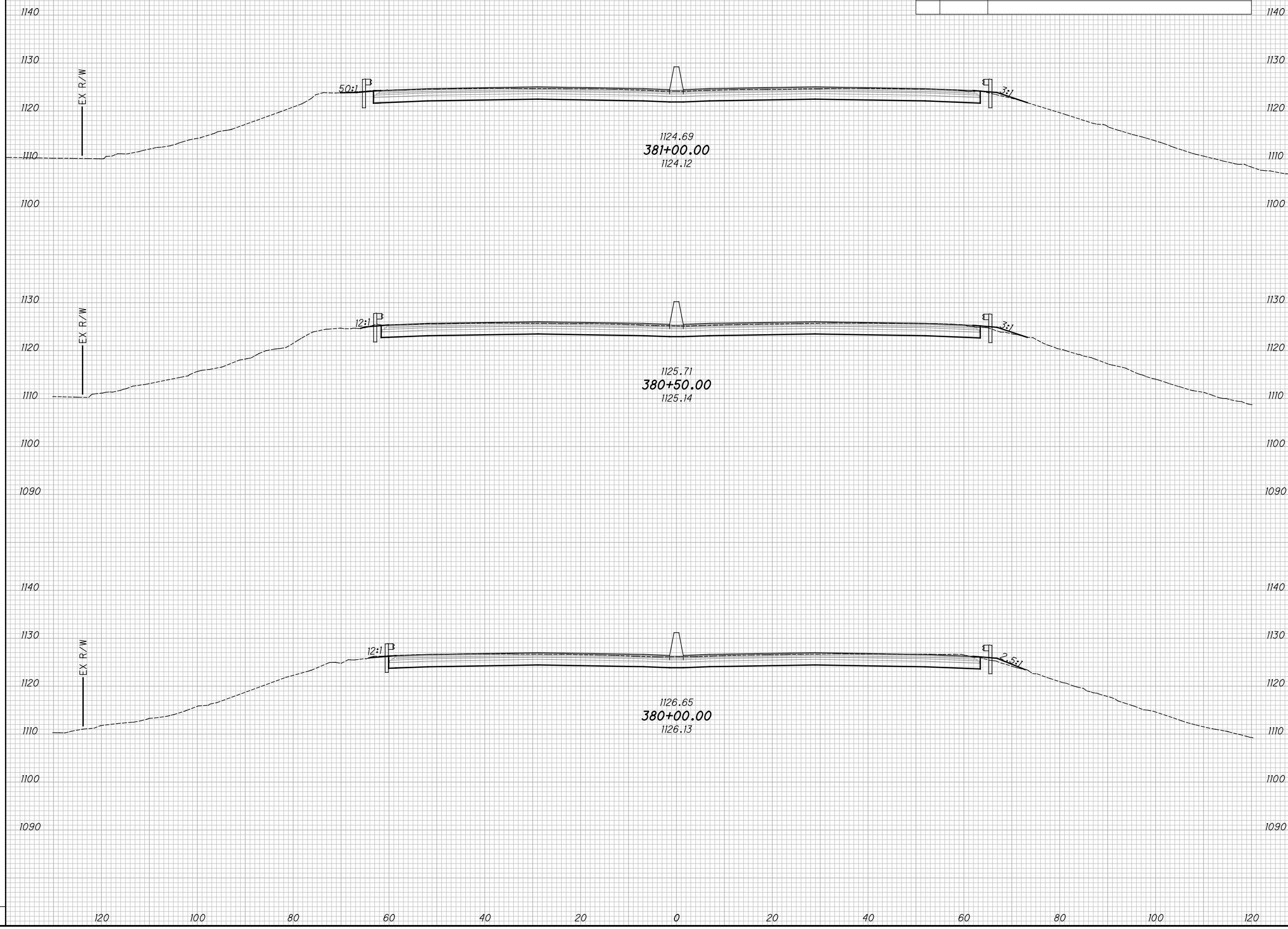
xs077

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Tamas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - I.R. 77
STA. 380+00.00 TO STA. 381+00.00

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

156
298

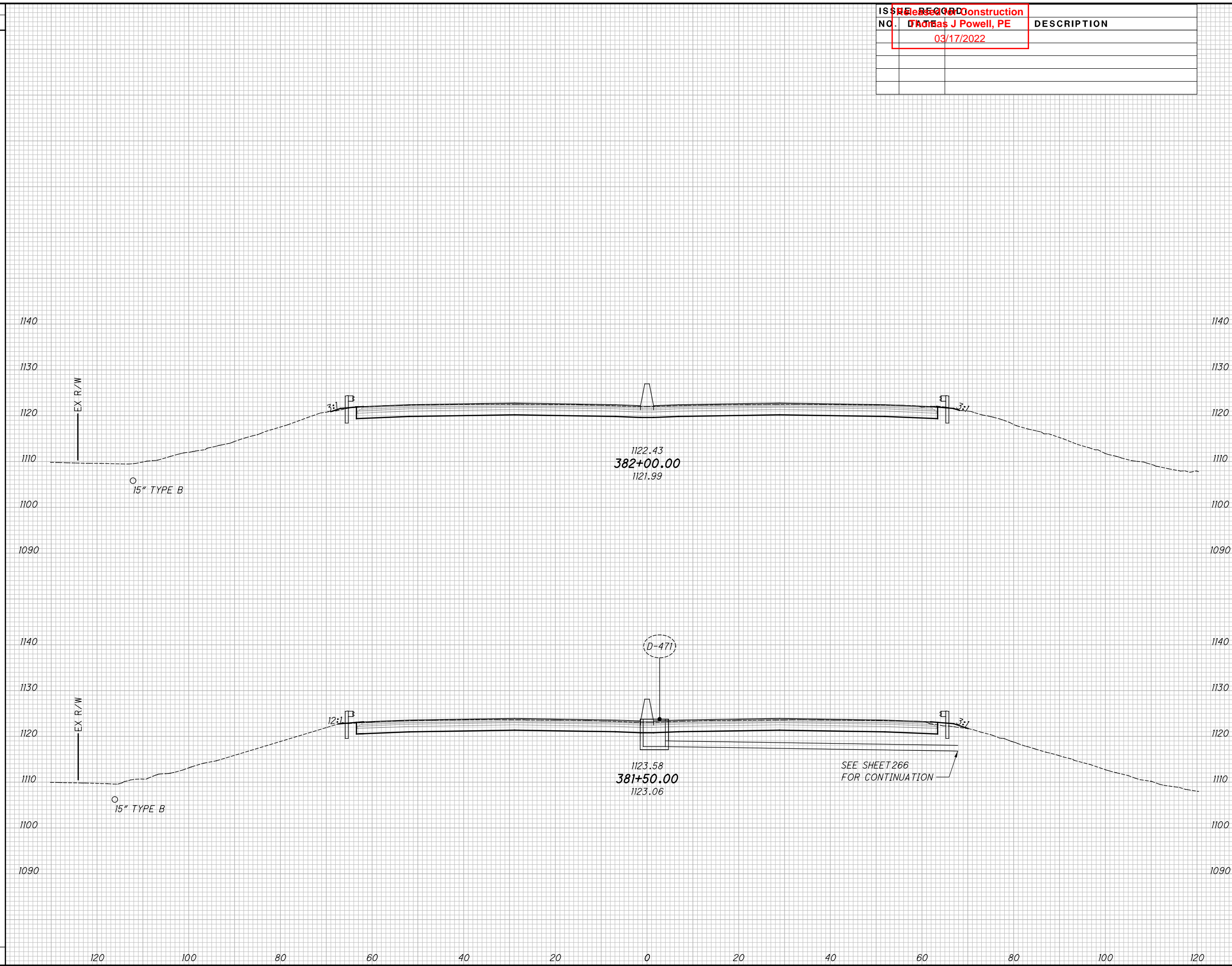
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xs078

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
001	Release for Construction
002	Thomas J Powell, PE
003	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 381+50.00 TO STA. 382+00.00

157
298

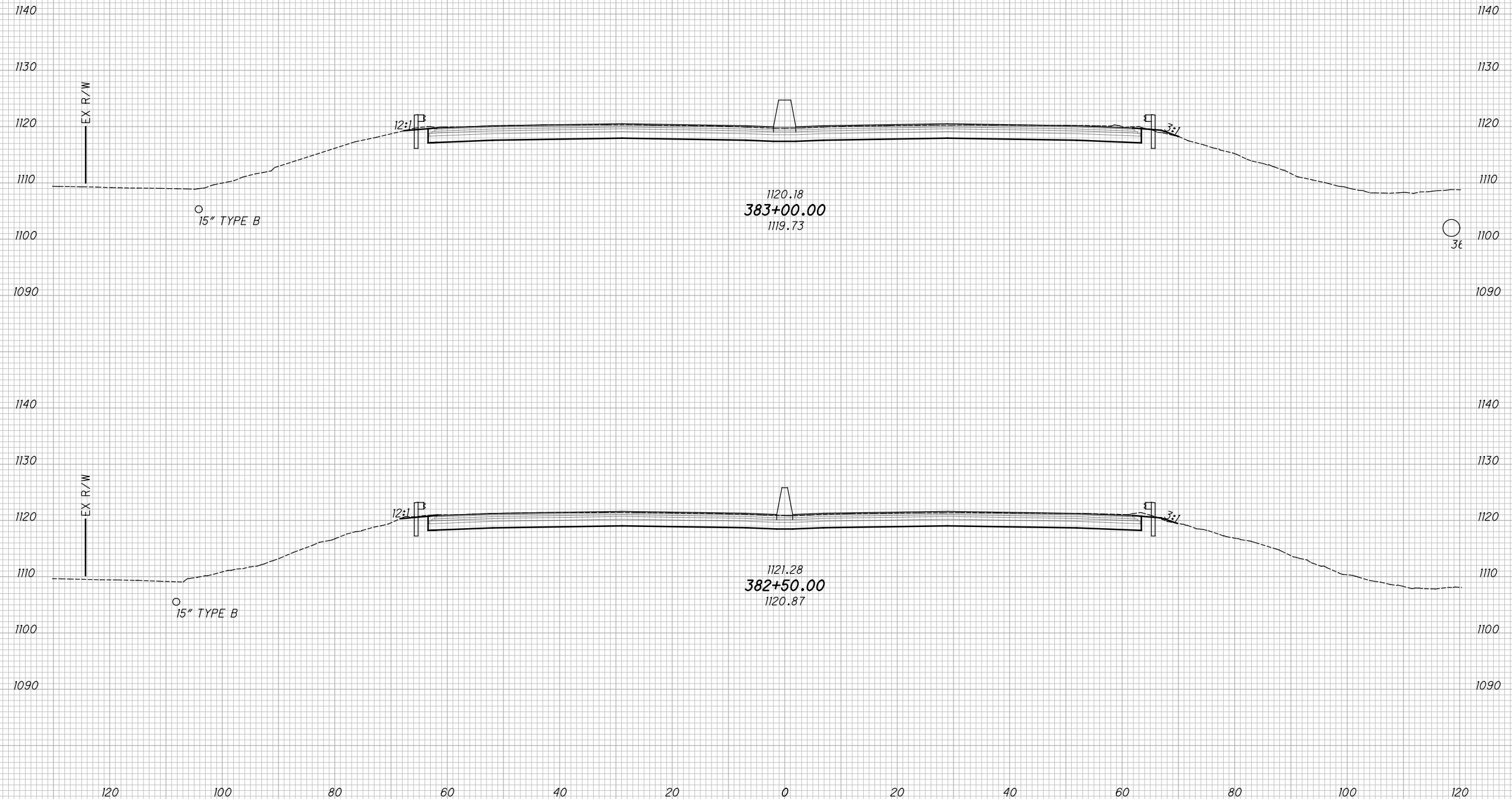
xs079

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM

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2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - I.R. 77
STA. 382+50.00 TO STA. 383+00.00

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

158
298

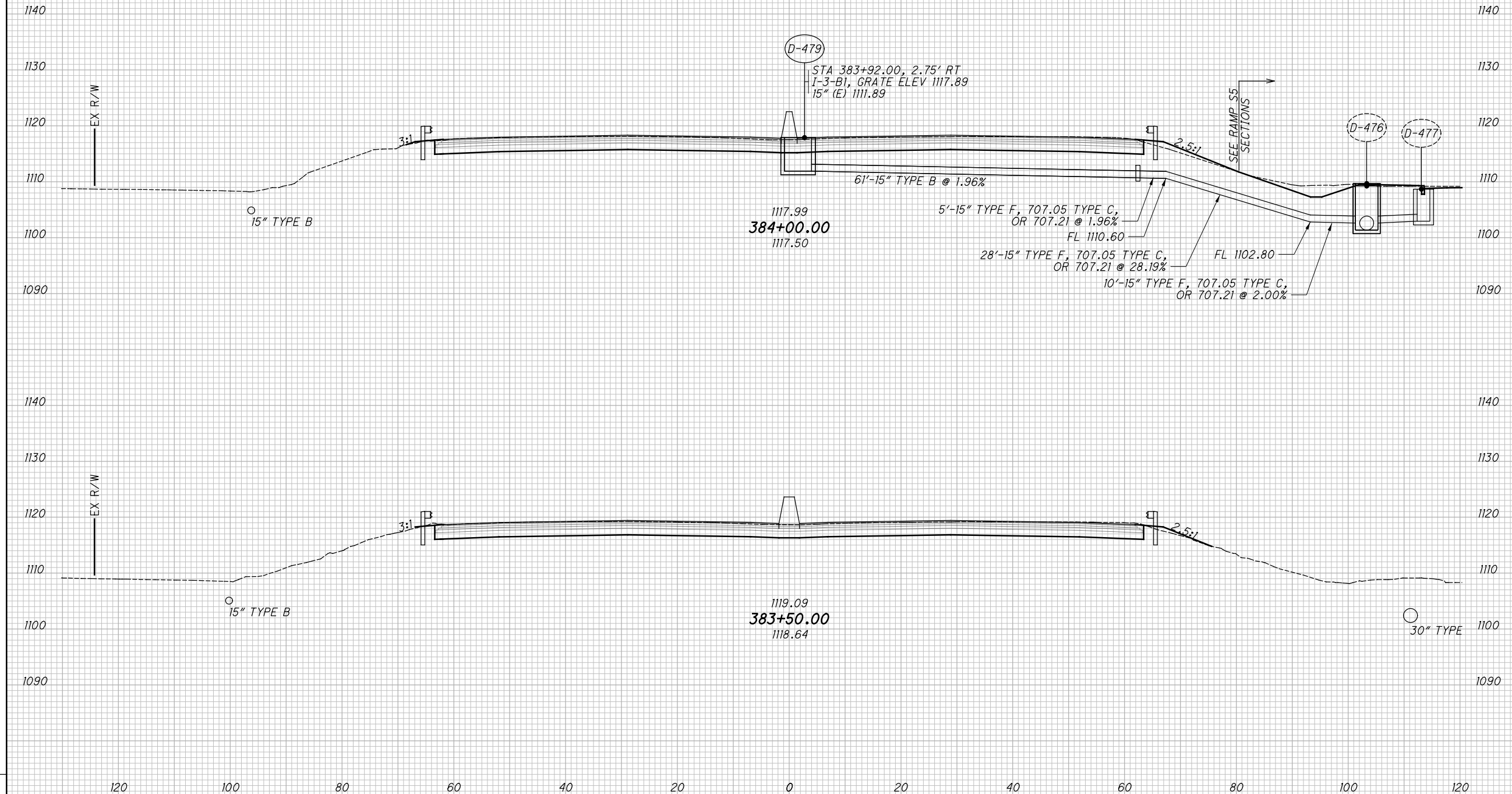
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XS080

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 383+50.00 TO STA. 384+00.00

159
298

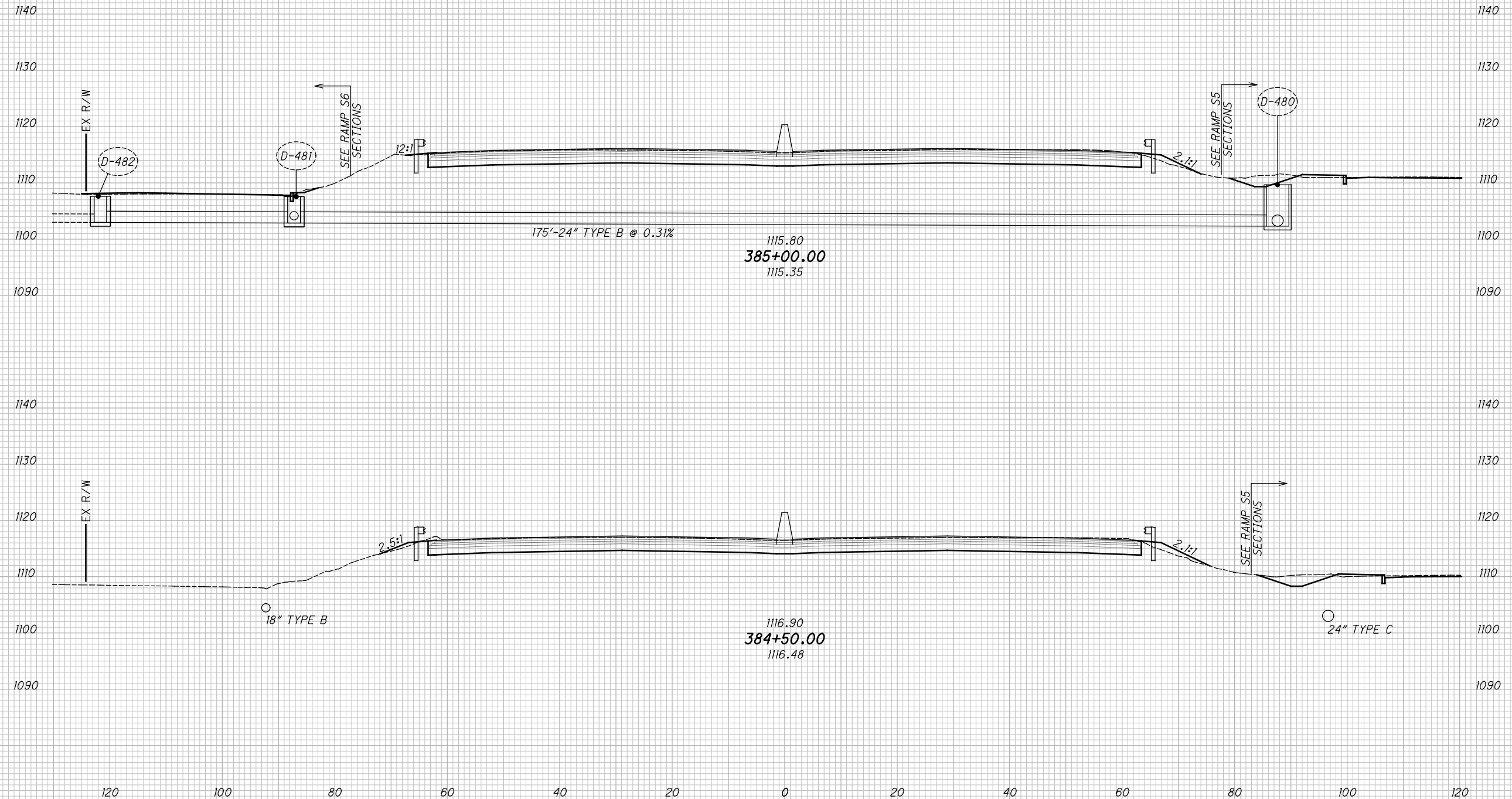
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Xs001

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 384+50.00 TO STA. 385+00.00

160
298

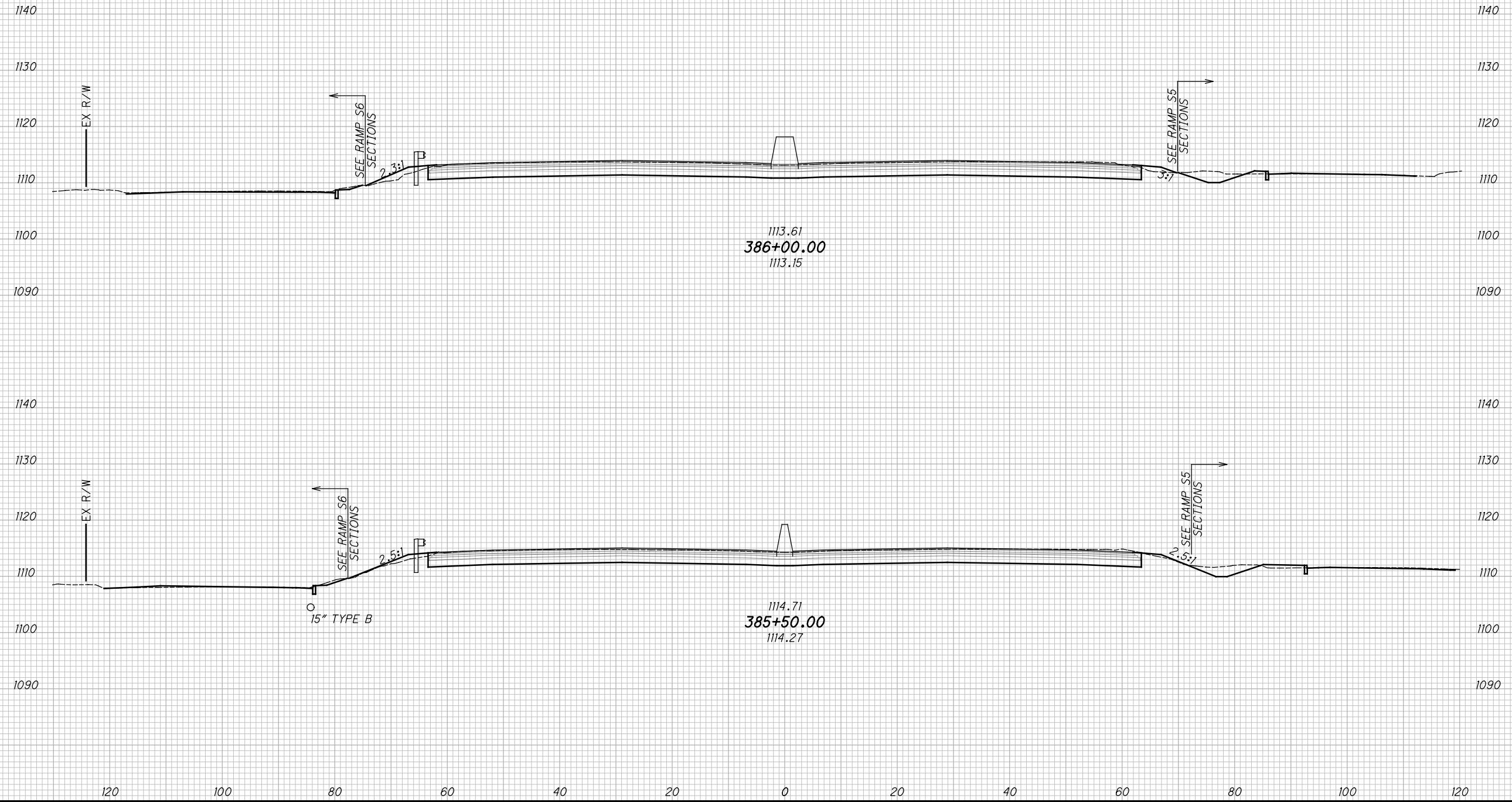
xs082

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		
CROSS SECTIONS - I.R. 77 STA. 385+50.00 TO STA. 386+00.00					
2022-03-02-BU 34-RFC PLANS SUM - 76 / 77 / 8 - 8.24 / 9.74 / 0.00					
161				298	



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xs083

SEEDING
END SO.
WIDTH YDS.

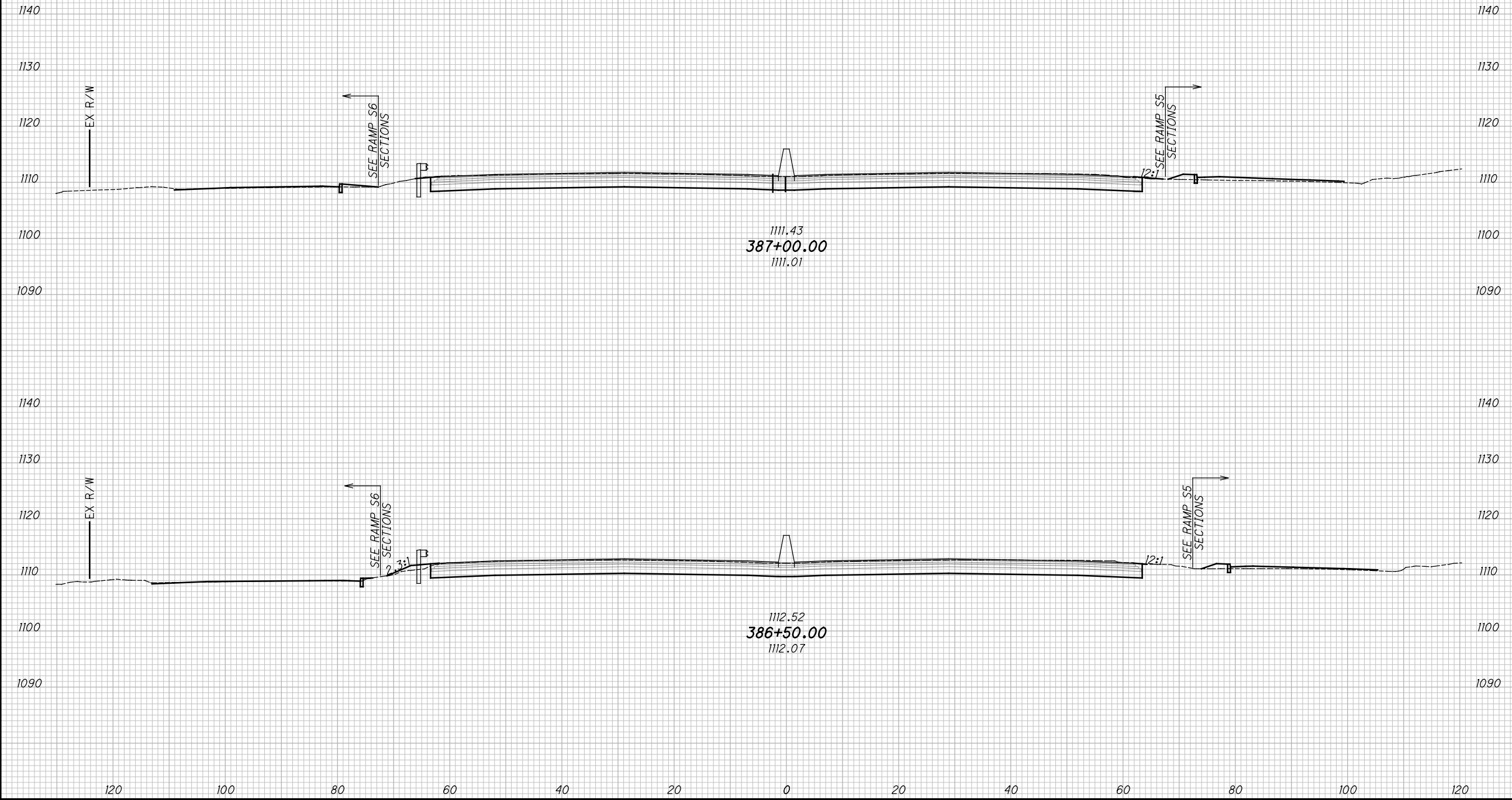
ISSUE NO.	001	Release for Construction
NO.	001	Thomas J Powell, PE
		03/17/2022

END AREA
CUT FILL

VOLUME
CUT FILL

CALCULATED
JDD

CHECKED
JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 386+50.00 TO STA. 387+00.00

162
298

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XS084

SEEDING
END SO.
WIDTH YDS.

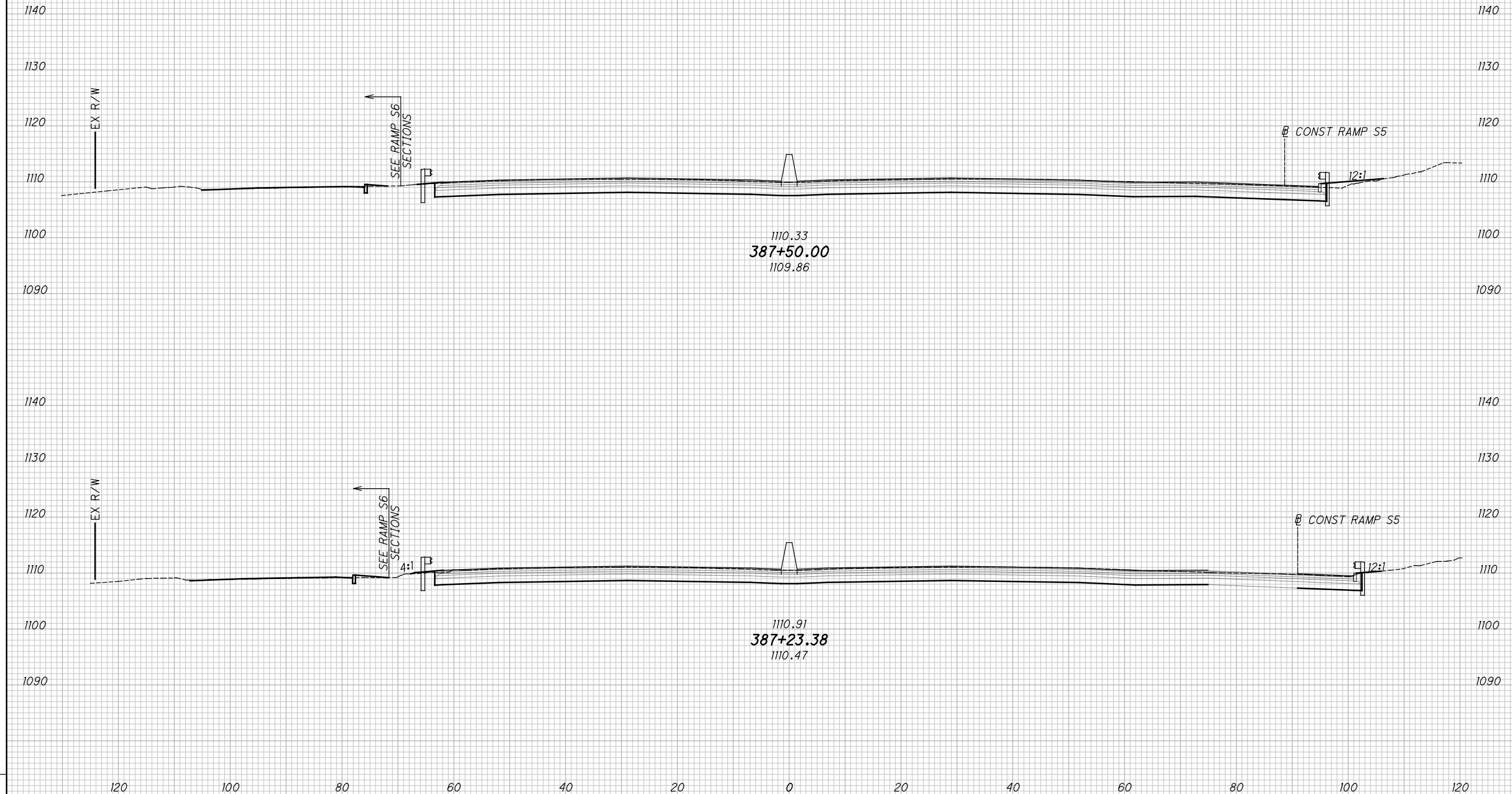
ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Tamas J Powell, PE
03	03/17/2022

END AREA
CUT FILL

VOLUME
CUT FILL

CALCULATED
JDD

CHECKED
JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 387+23.38 TO STA. 387+50.00

163
298

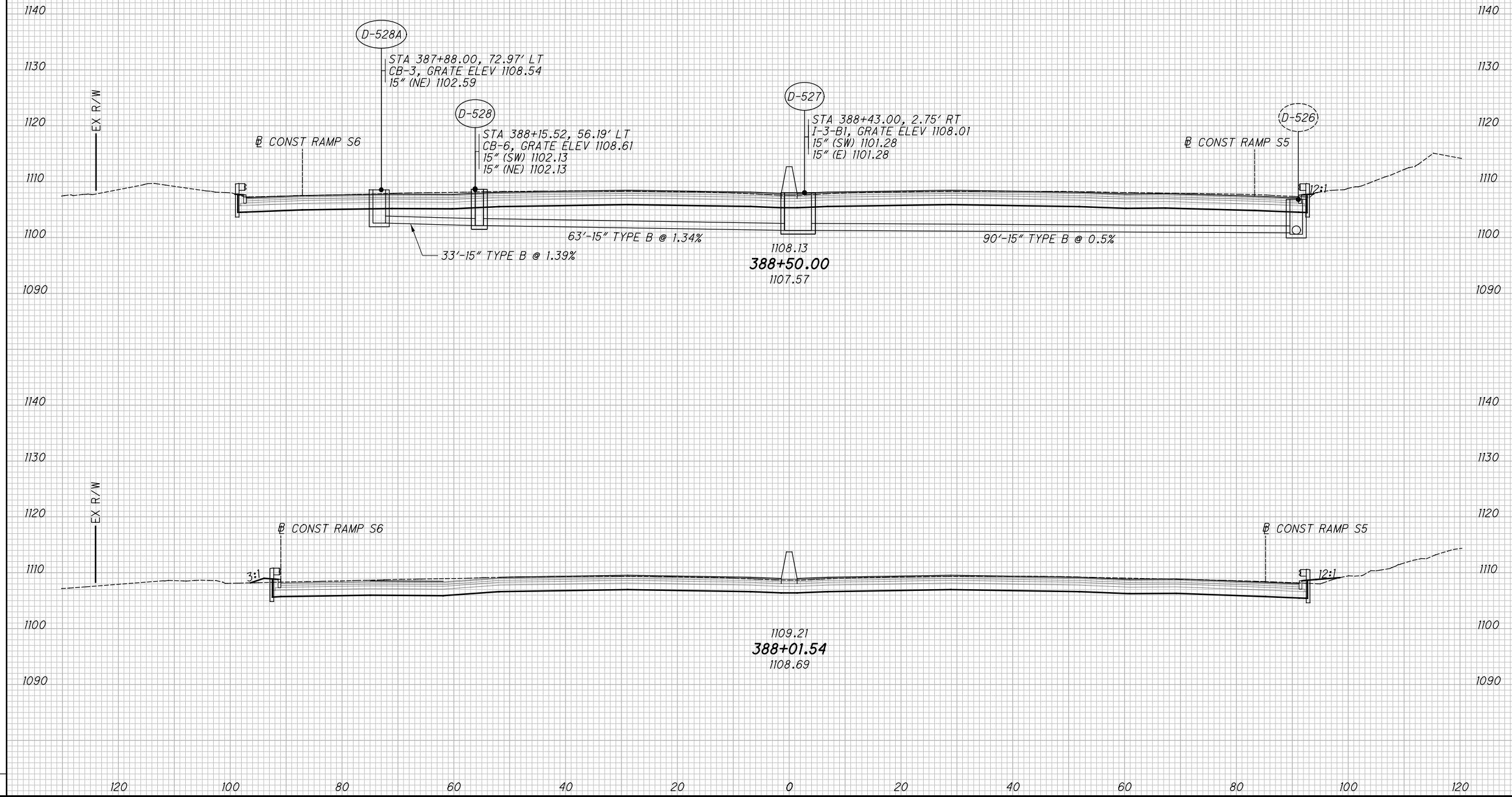
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xs085

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 388+01.54 TO STA. 388+50.00

164
298

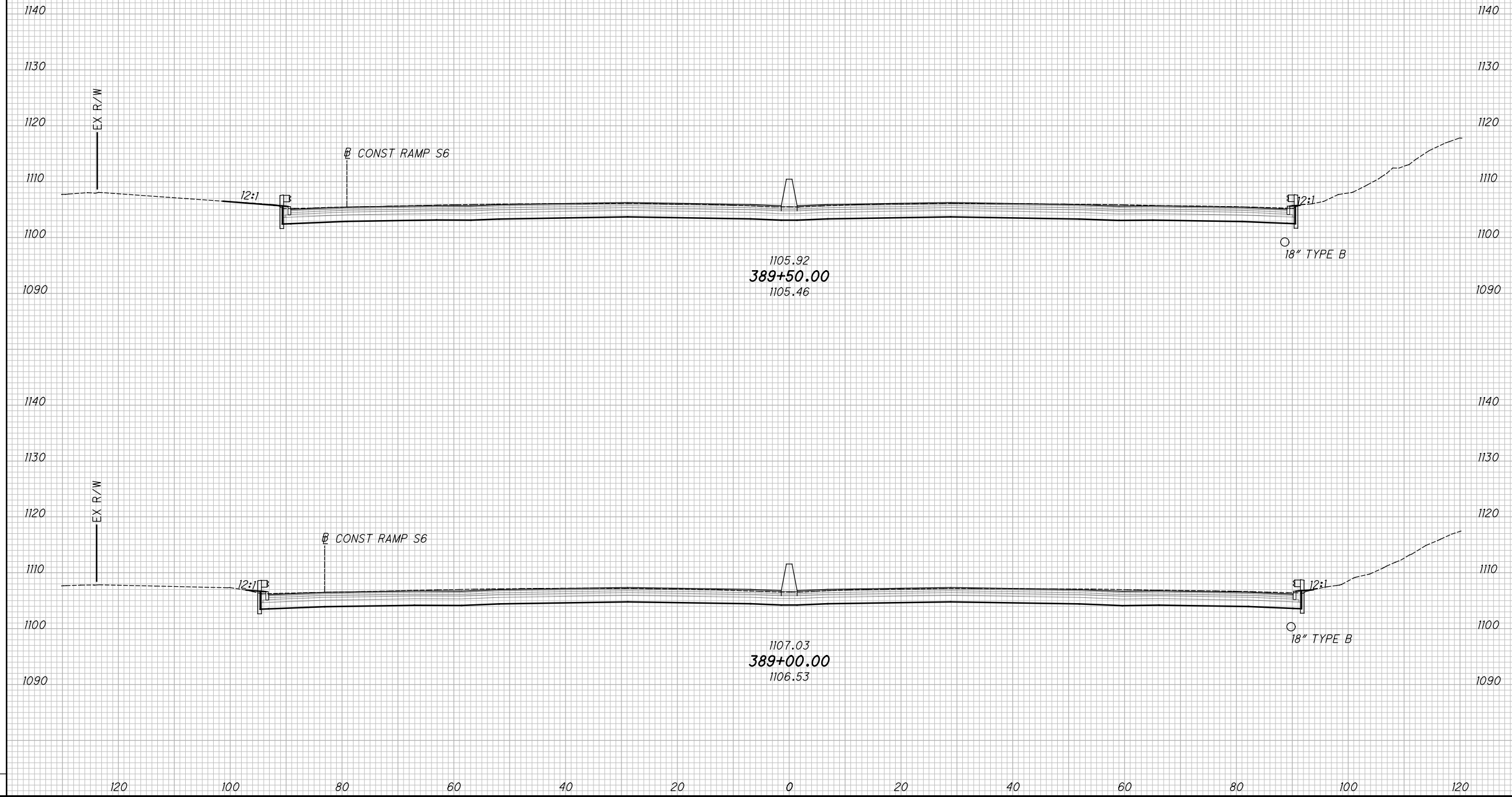
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XS086

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	03/17/2022	DESCRIPTION
NO.	01	Release for Construction
NO.	02	Thomas J Powell, PE
NO.	03	
NO.	04	
NO.	05	

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 389+00.00 TO STA. 389+50.00

165
298

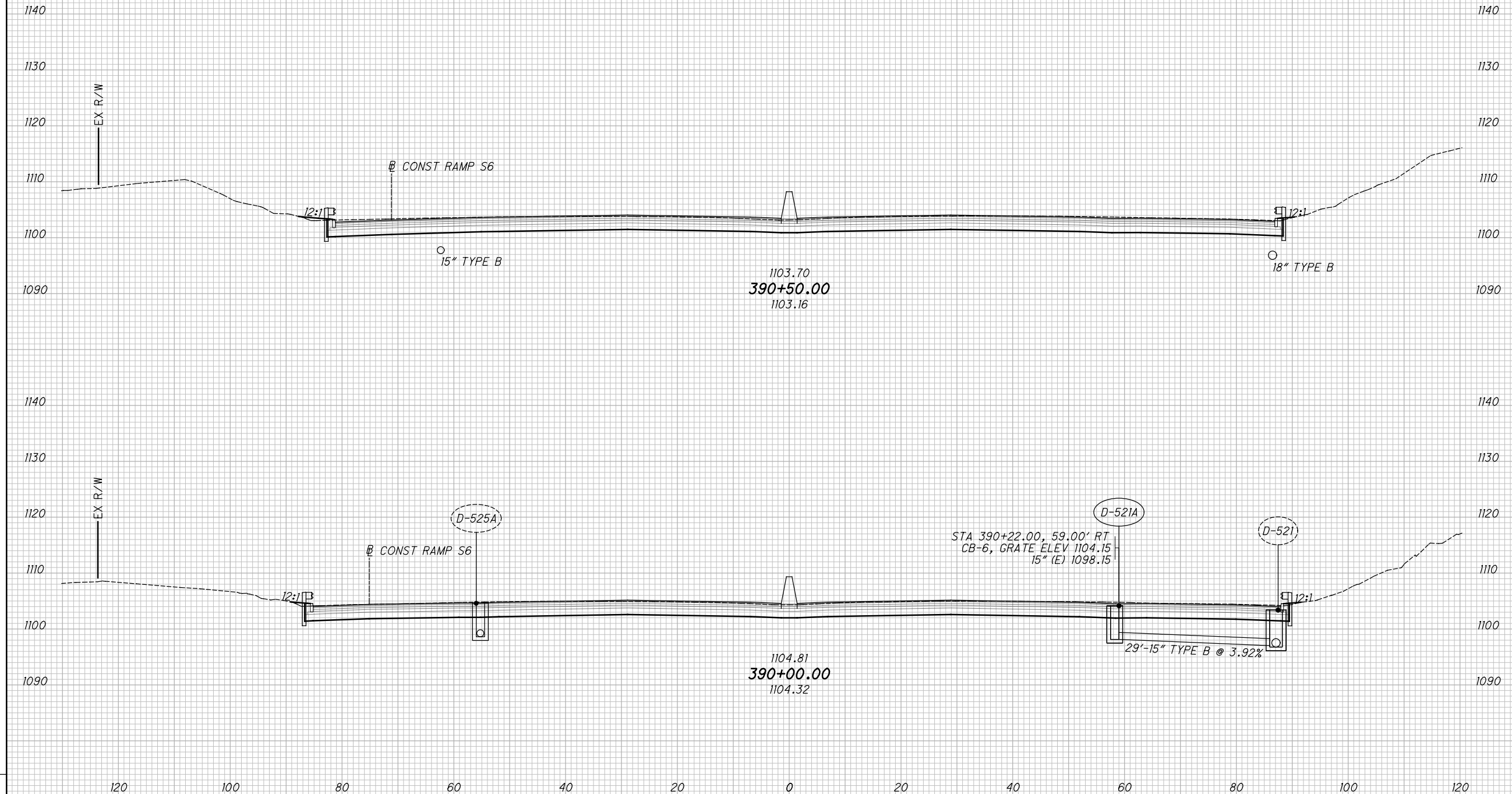
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xs087

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 390+00.00 TO STA. 390+50.00

166
298

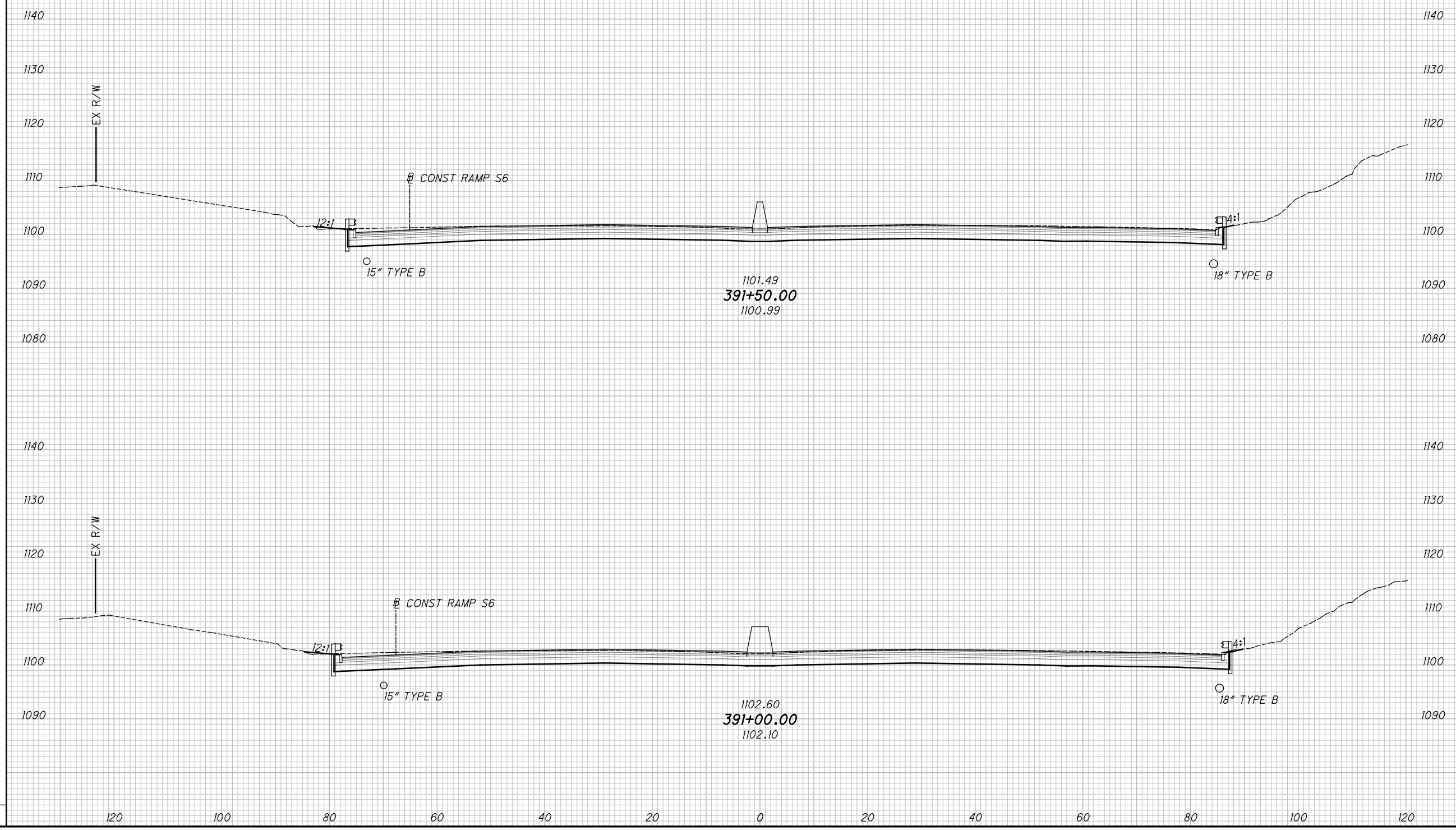
XS088

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

SUM - 76 / 77 / 8 -

8.24 / 9.74 / 0.00

CROSS SECTIONS - I.R. 77

STA. 391+00.00 TO STA. 391+50.00

167
298

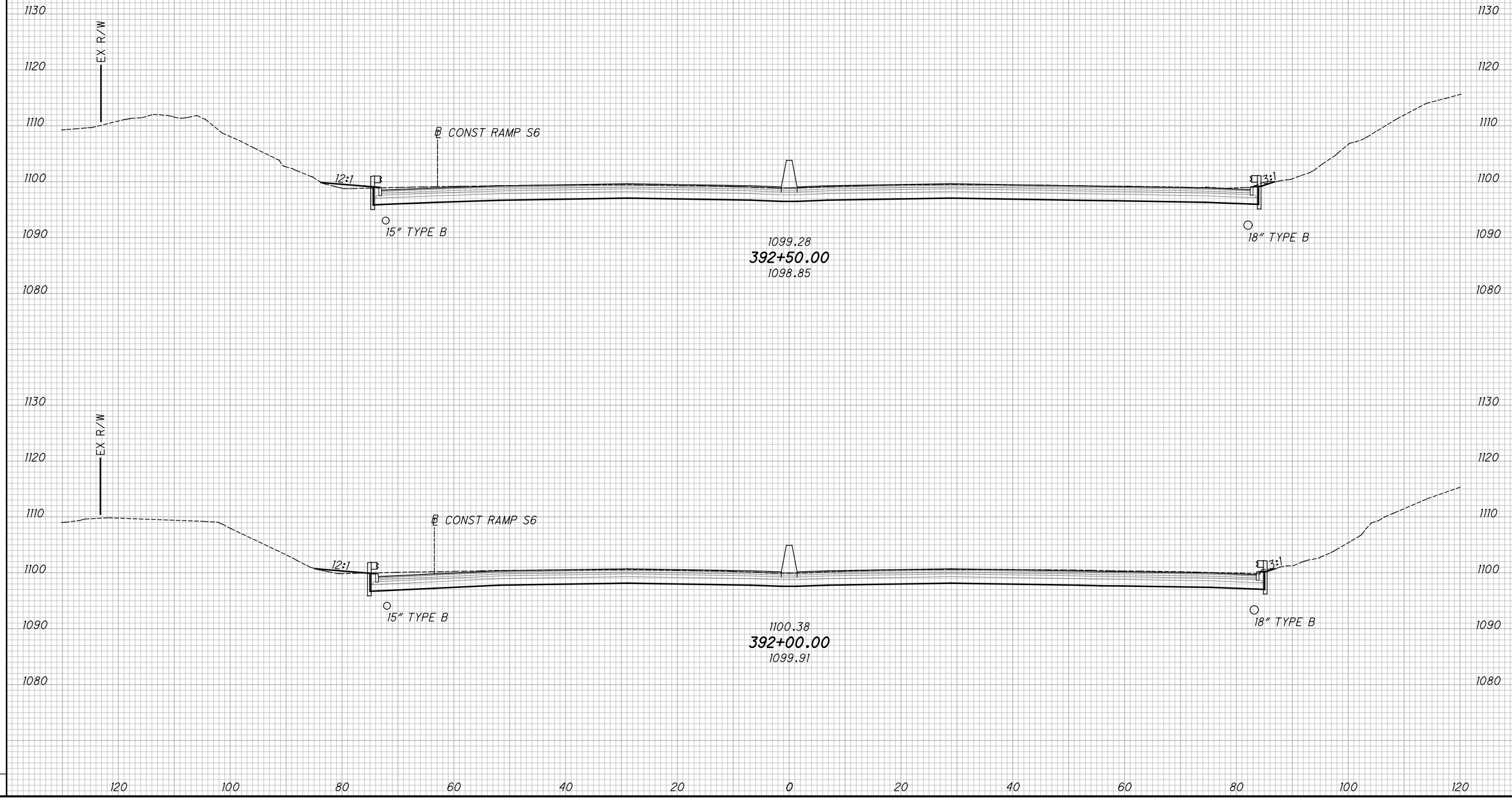
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

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

168
298

CROSS SECTIONS - I.R. 77
STA. 392+00.00 TO STA. 392+50.00

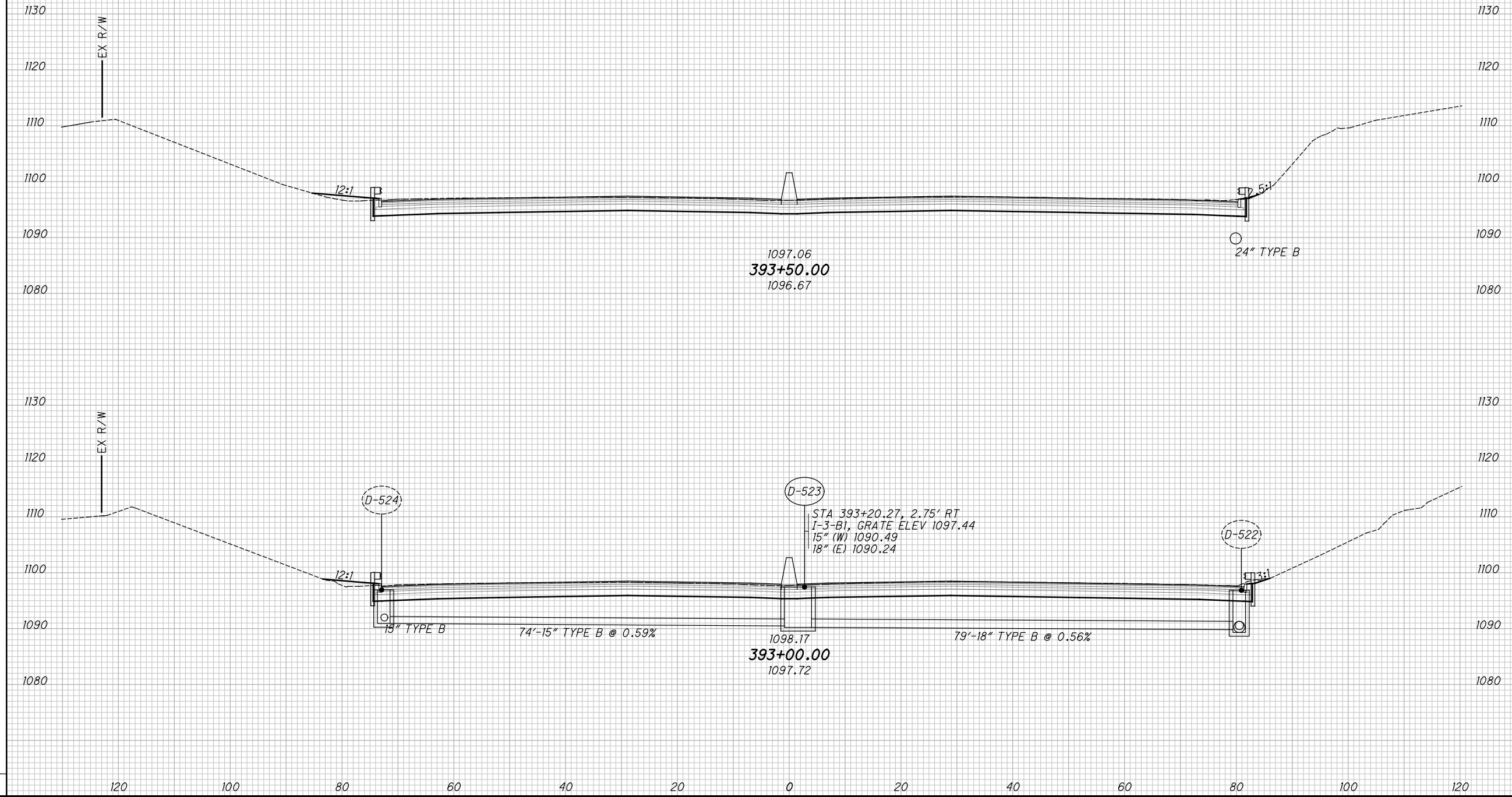
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SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77
STA. 393+00.00 TO STA. 393+50.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

169
298

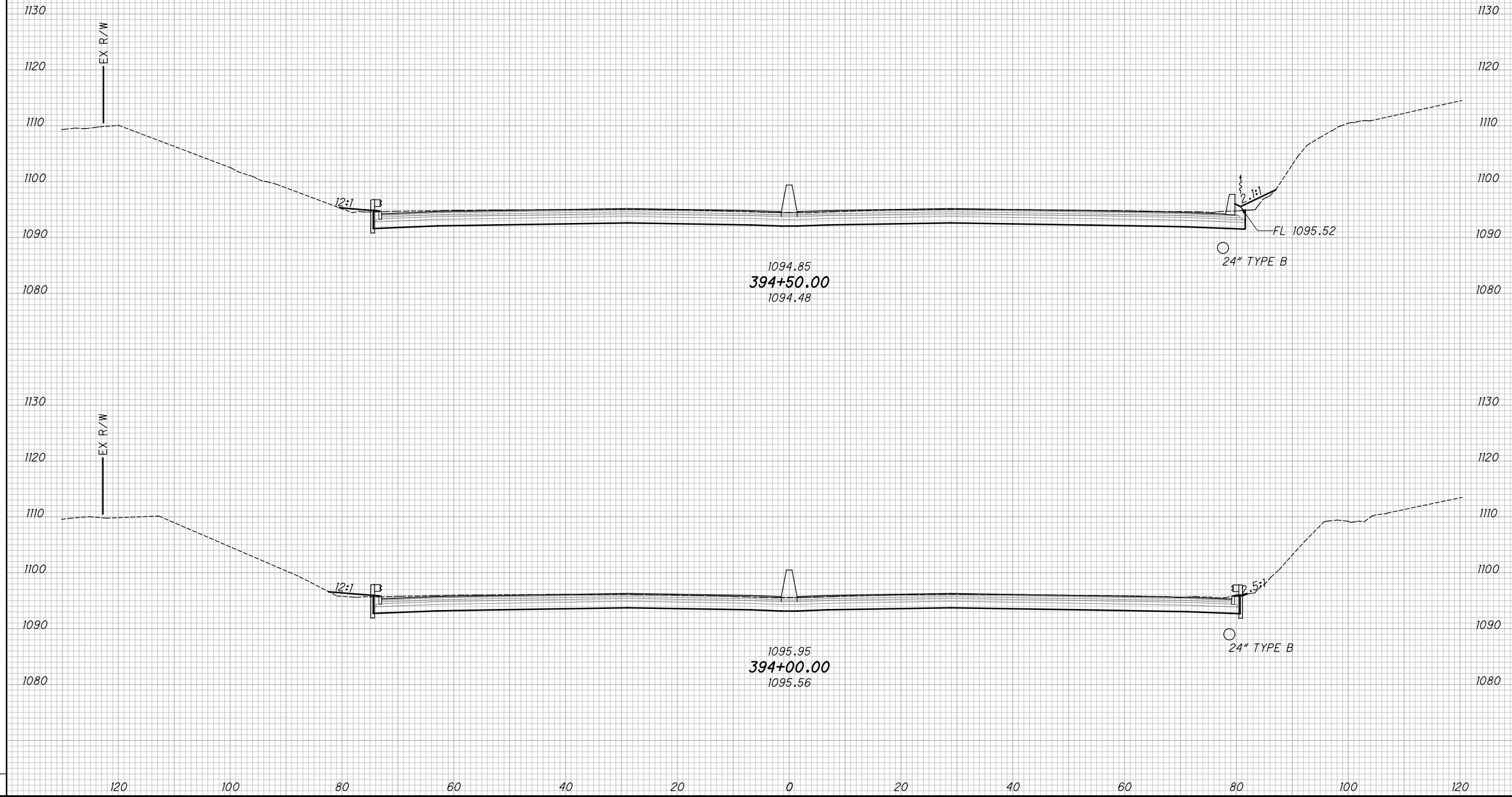
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X5091

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 394+00.00 TO STA. 394+50.00

170
298

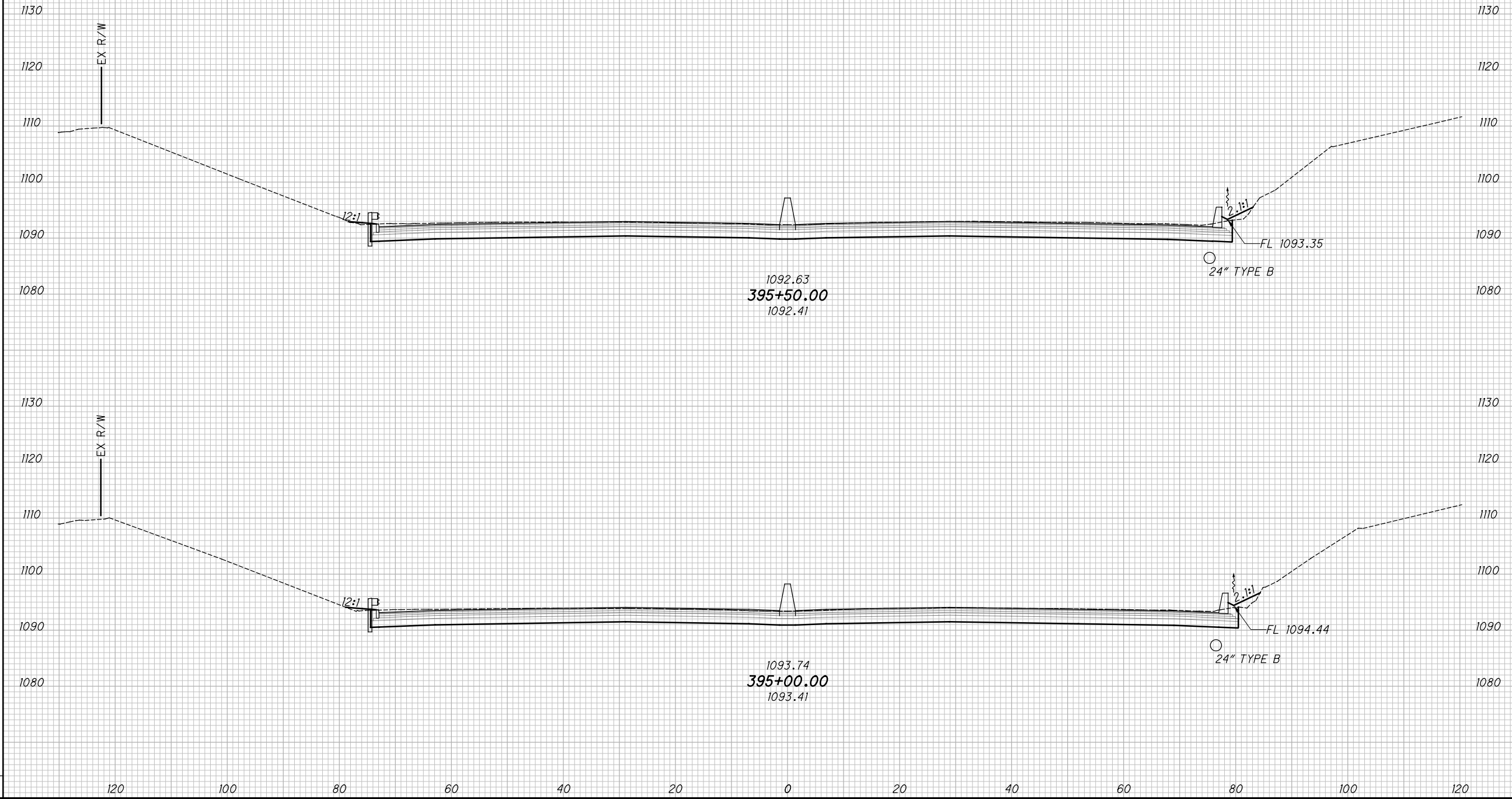
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XS092

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77
STA. 395+00.00 TO STA. 395+50.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

171
 298

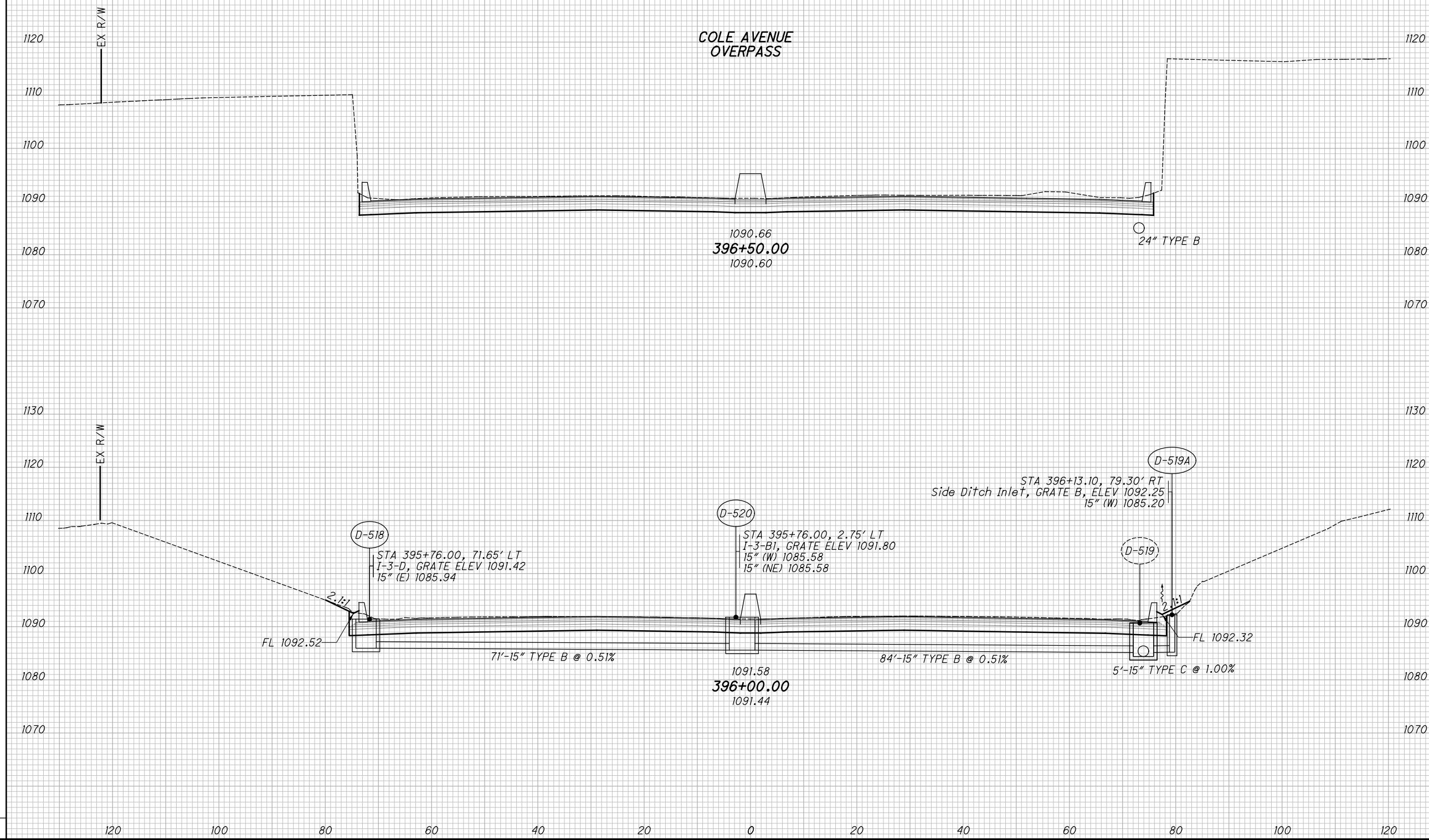
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 396+00.00 TO STA. 396+50.00

172
298

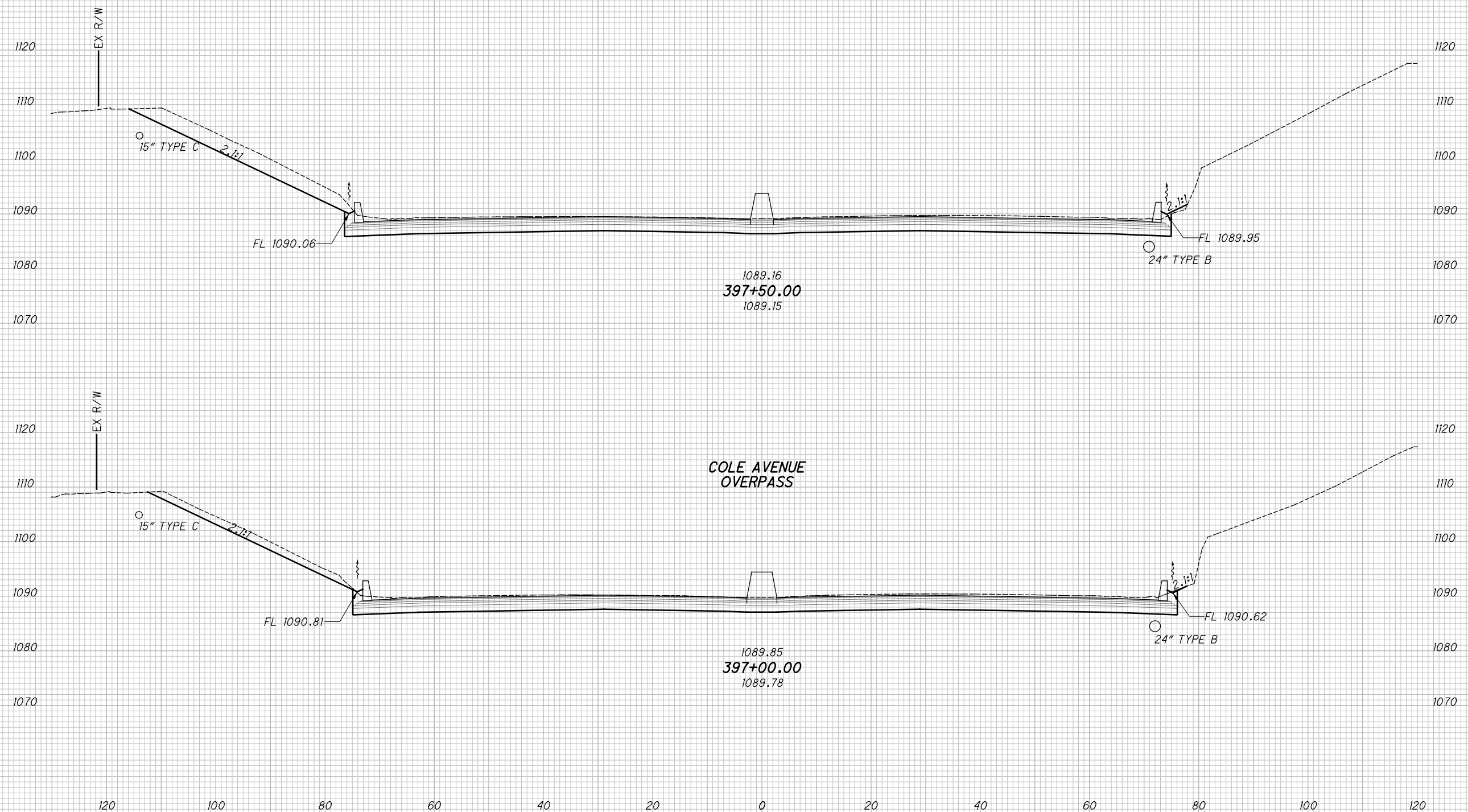
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xs094

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	03/17/2022	DESCRIPTION
NO.	01	Construction
NO.	02	As J Powell, PE

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 397+00.00 TO STA. 397+50.00

173
298

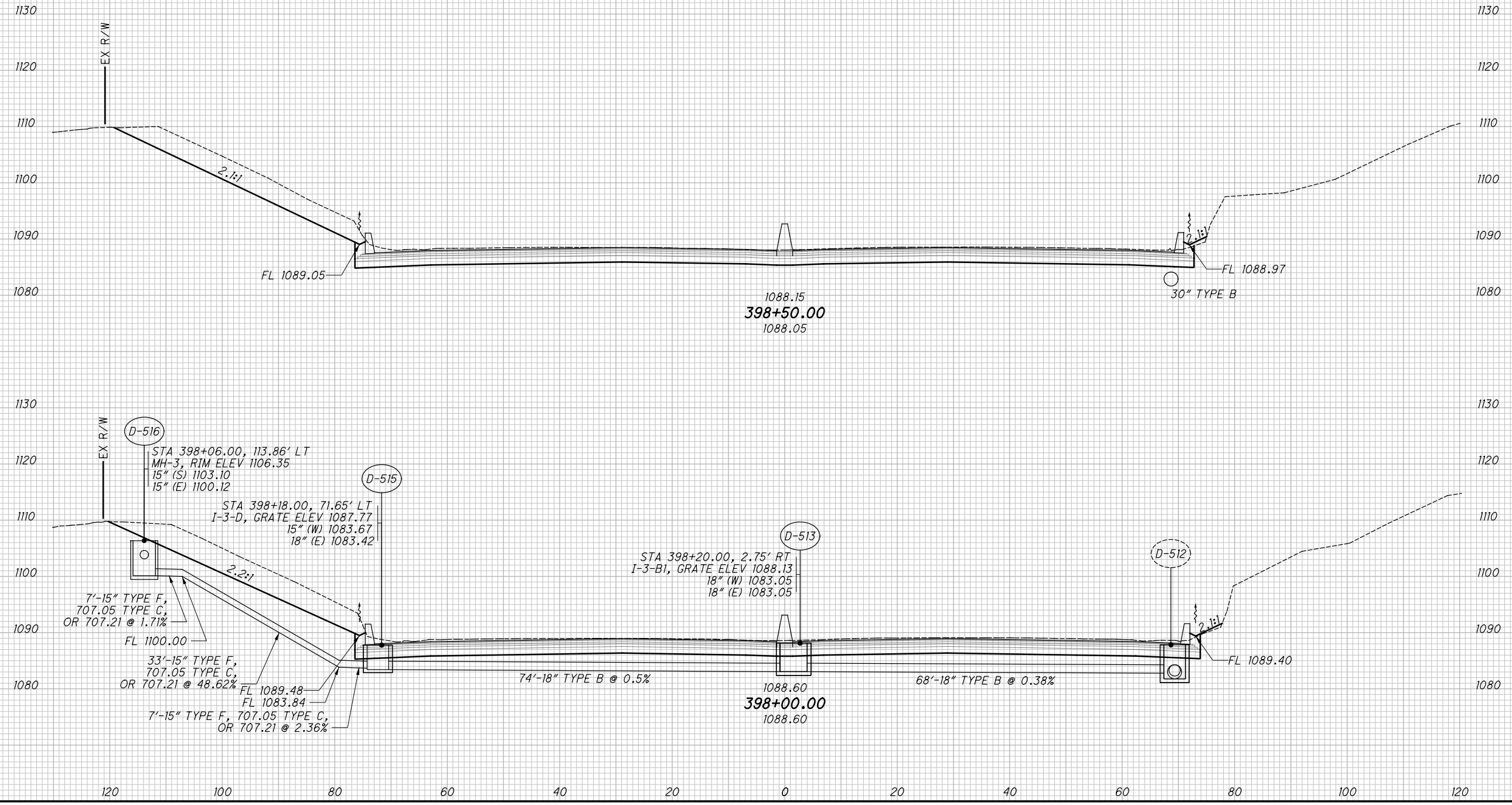
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Construction

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 398+00.00 TO STA. 398+50.00

174
298

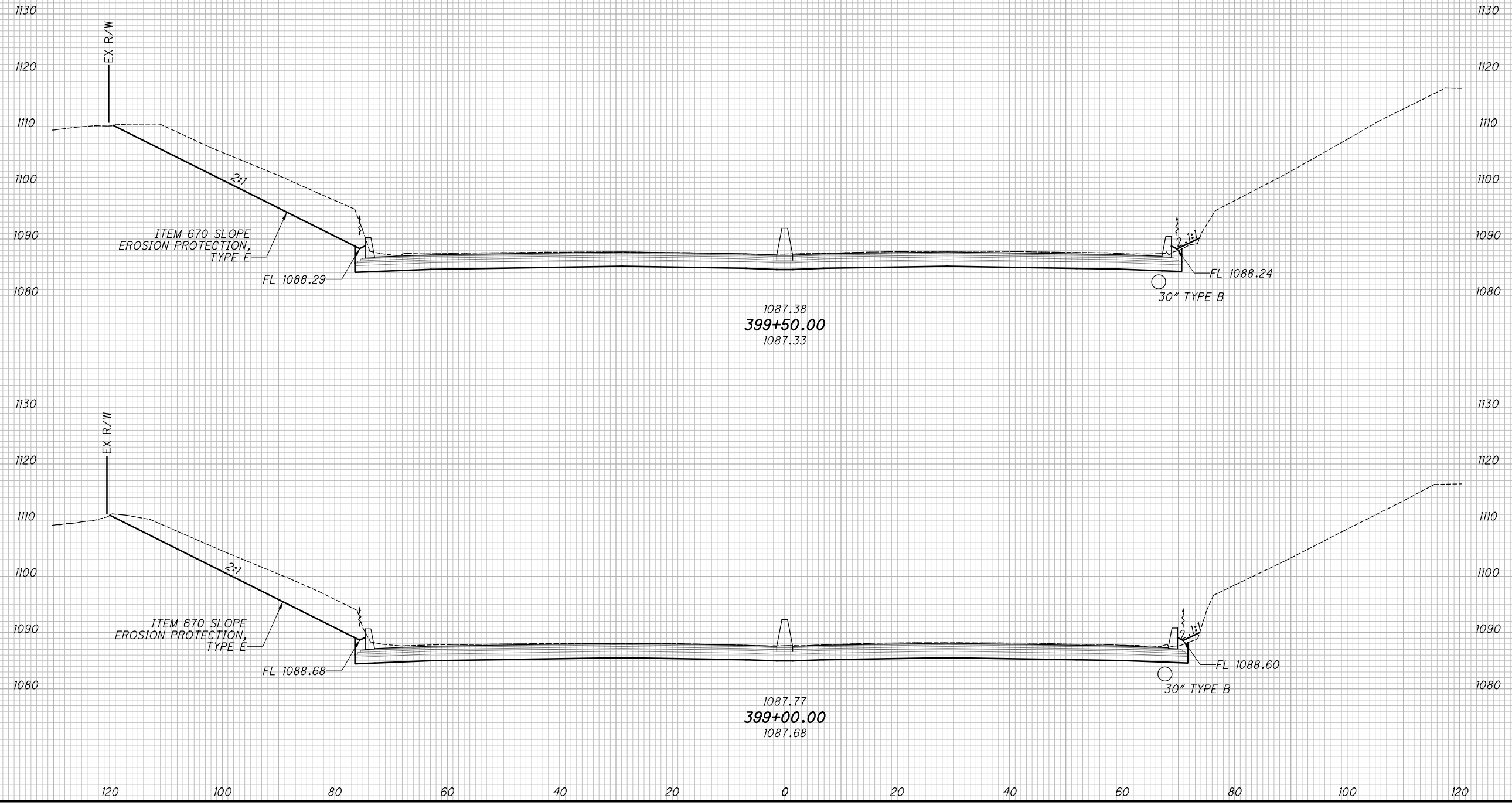
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00

175
 298

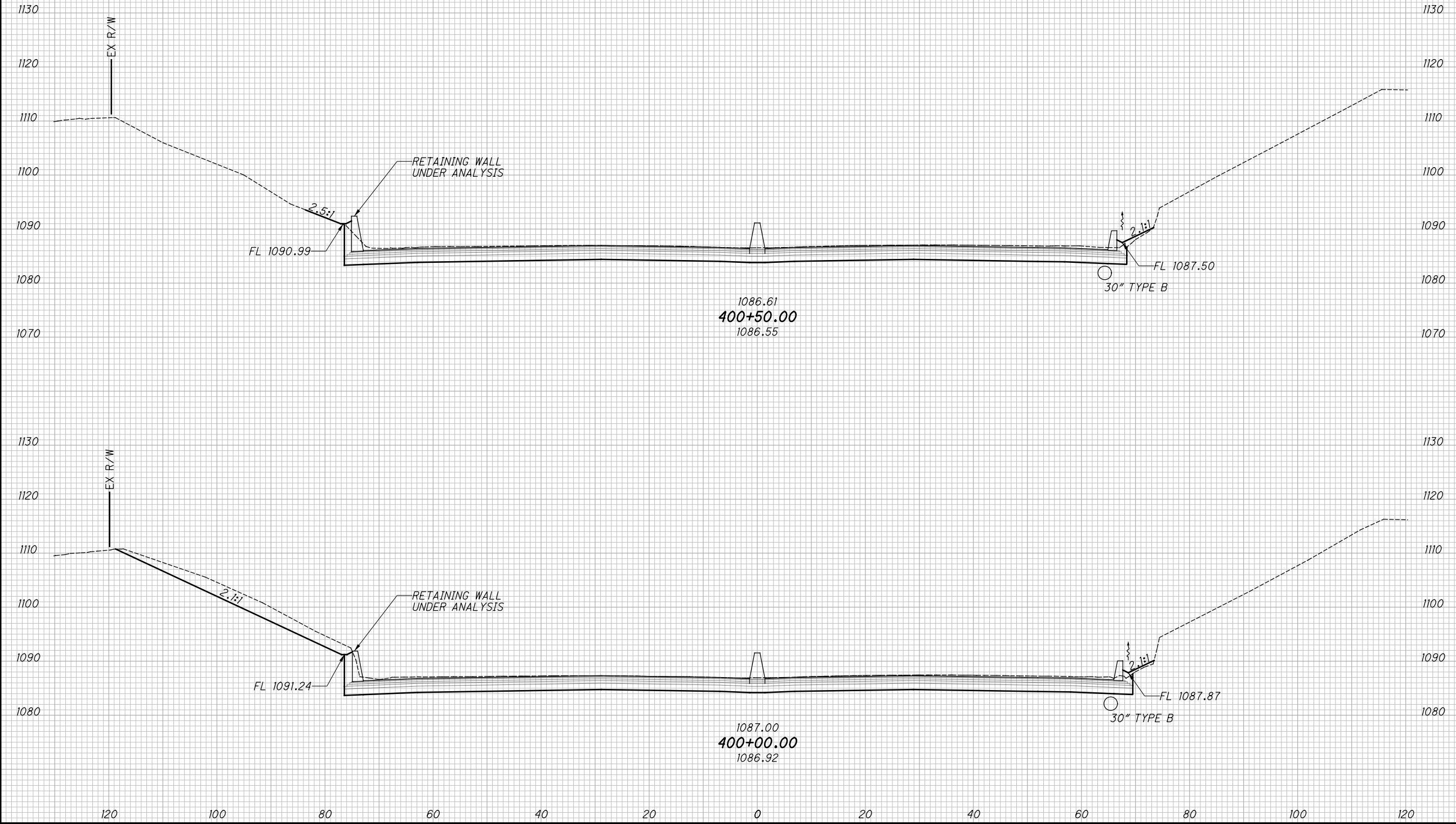
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xs087

SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Released for Construction
	Thomas J Powell, PE

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - I.R. 77
STA. 400+00.00 TO STA. 400+50.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

176
298

XS098

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SEEDING	
END WIDTH	SO. YDS.

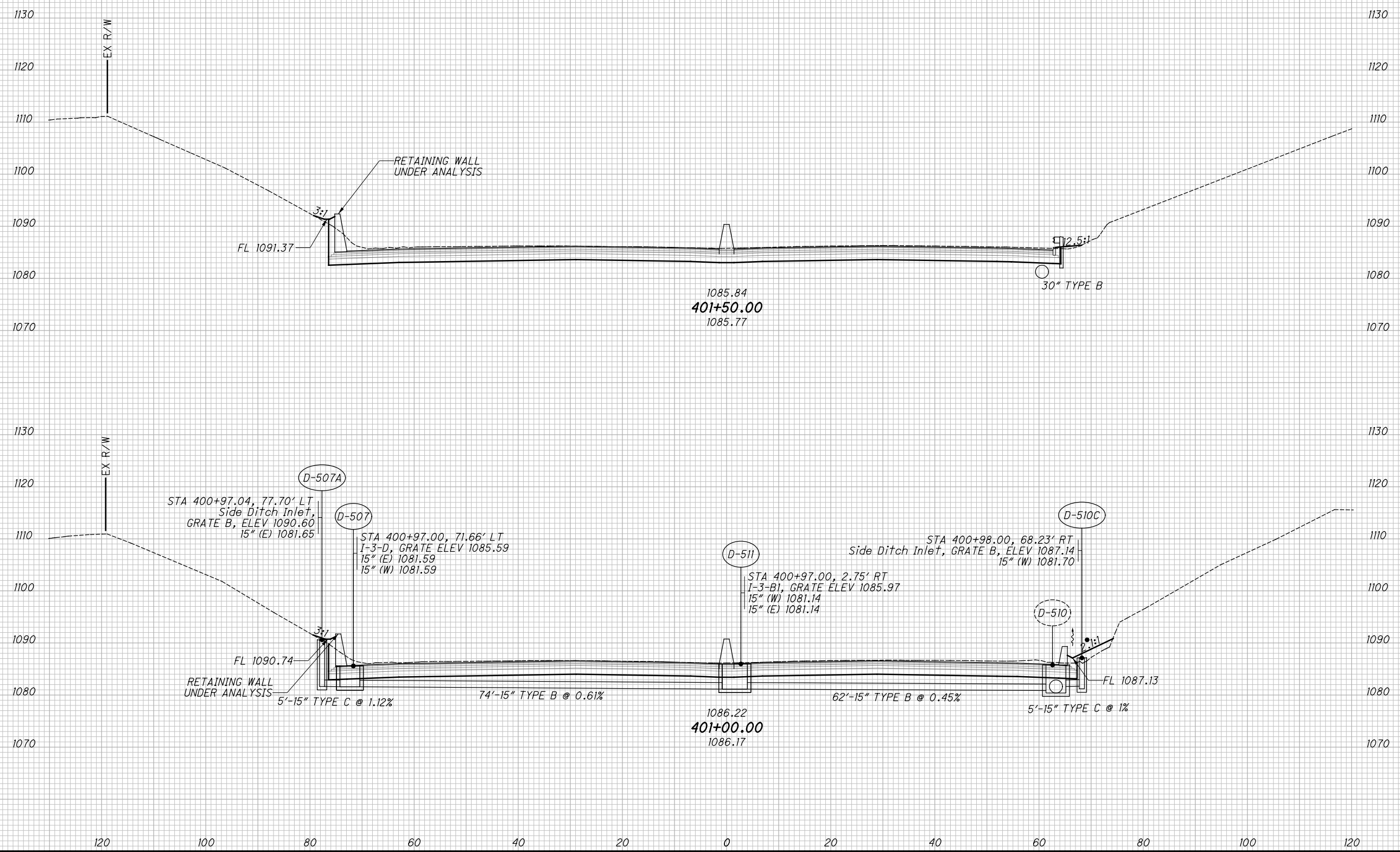
ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		

CROSS SECTIONS - I.R. 77	
STA. 401+00.00 TO STA. 401+50.00	

2022-03-02-BU 34-RFC PLANS	
SUM-76 / 77 / 8-	
8.24 / 9.74 / 0.00	

177
298



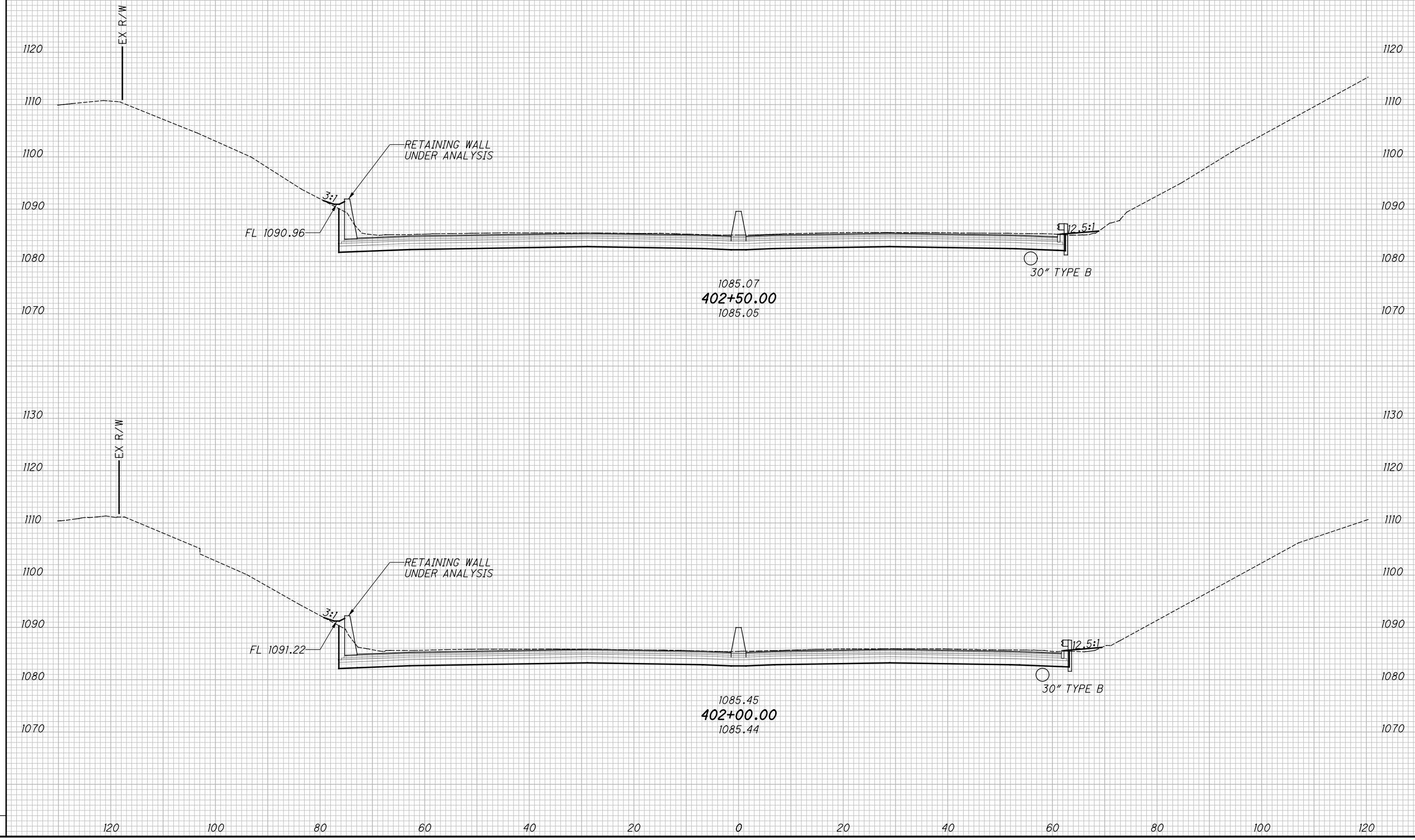
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

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

CROSS SECTIONS - I.R. 77
STA. 402+00.00 TO STA. 402+50.00

178
298

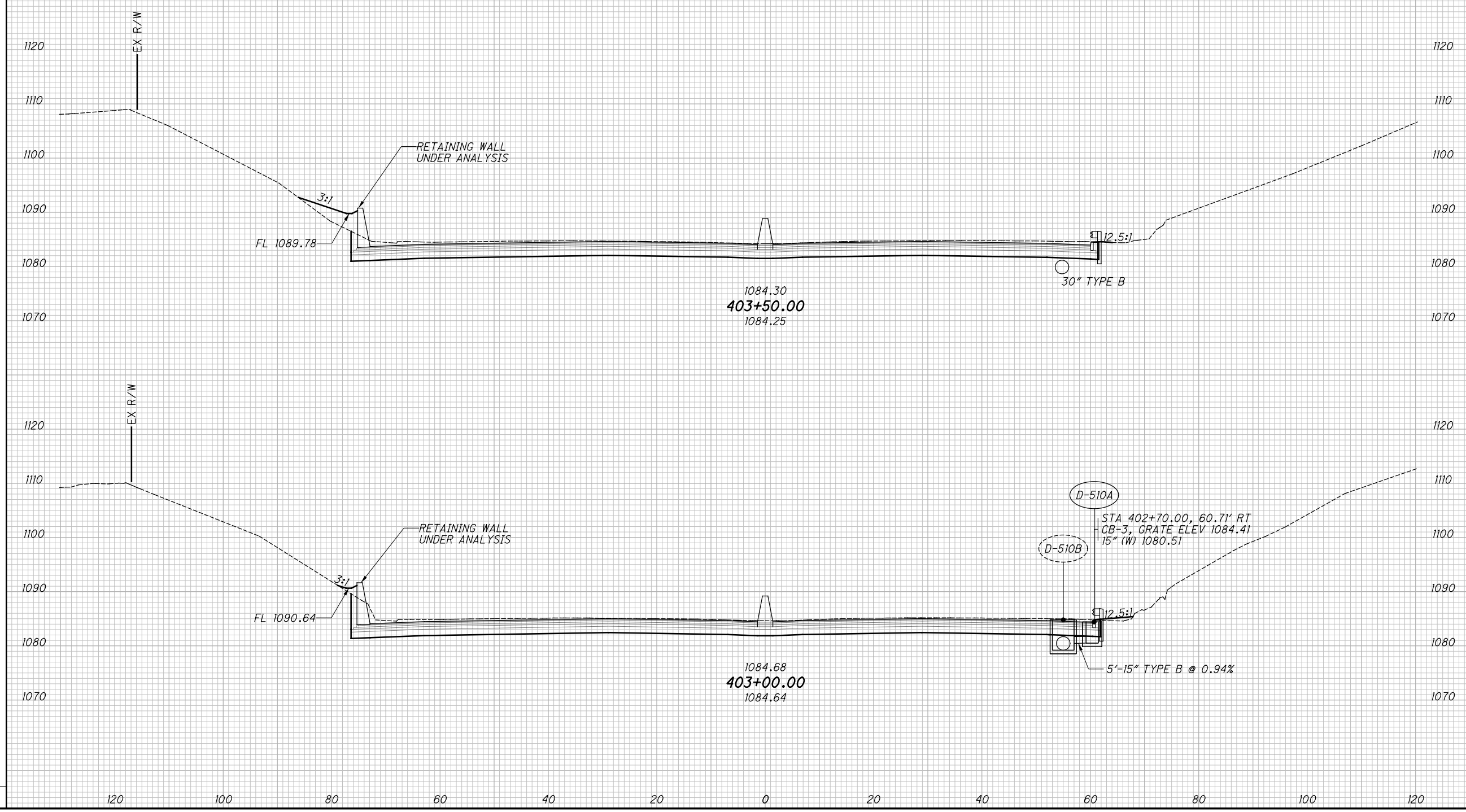
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XS100

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
001	Release for Construction
002	Thomas J Powell, PE
003	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 403+00.00 TO STA. 403+50.00

179
298

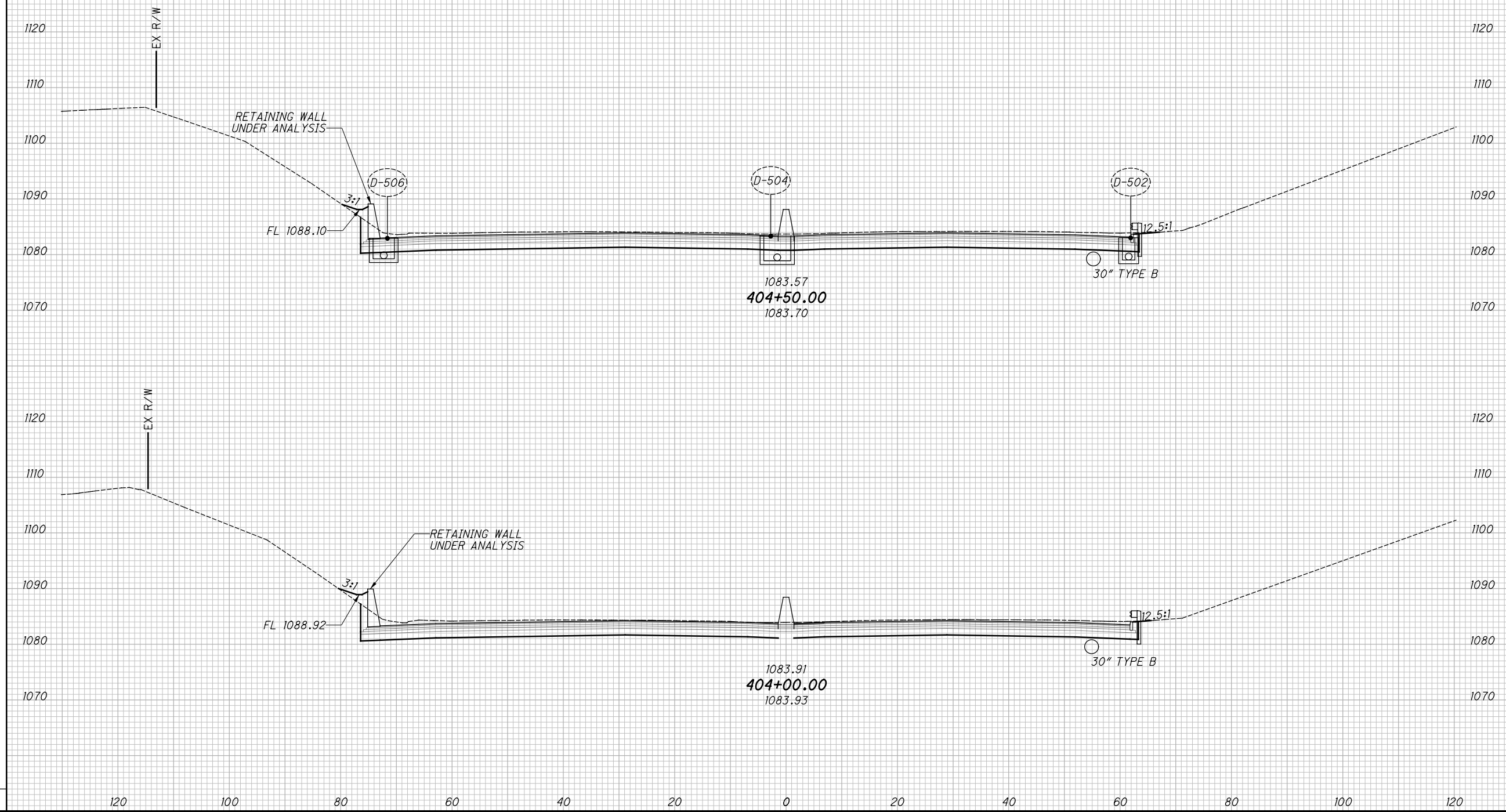
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XS101

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 404+00.00 TO STA. 404+50.00

180
298

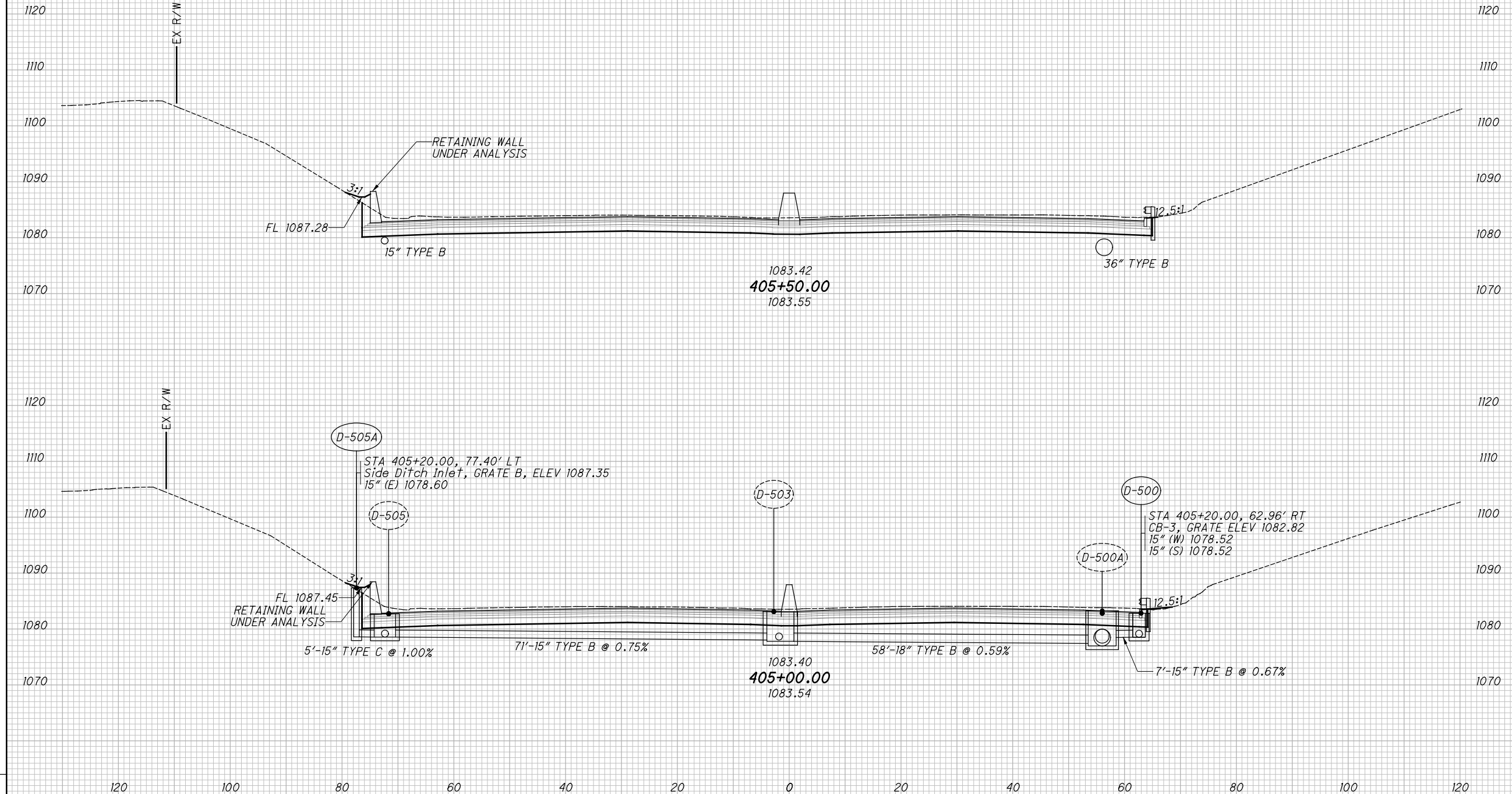
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xs102

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
 CROSS SECTIONS - I.R. 77
 STA. 405+00.00 TO STA. 405+50.00

181
298

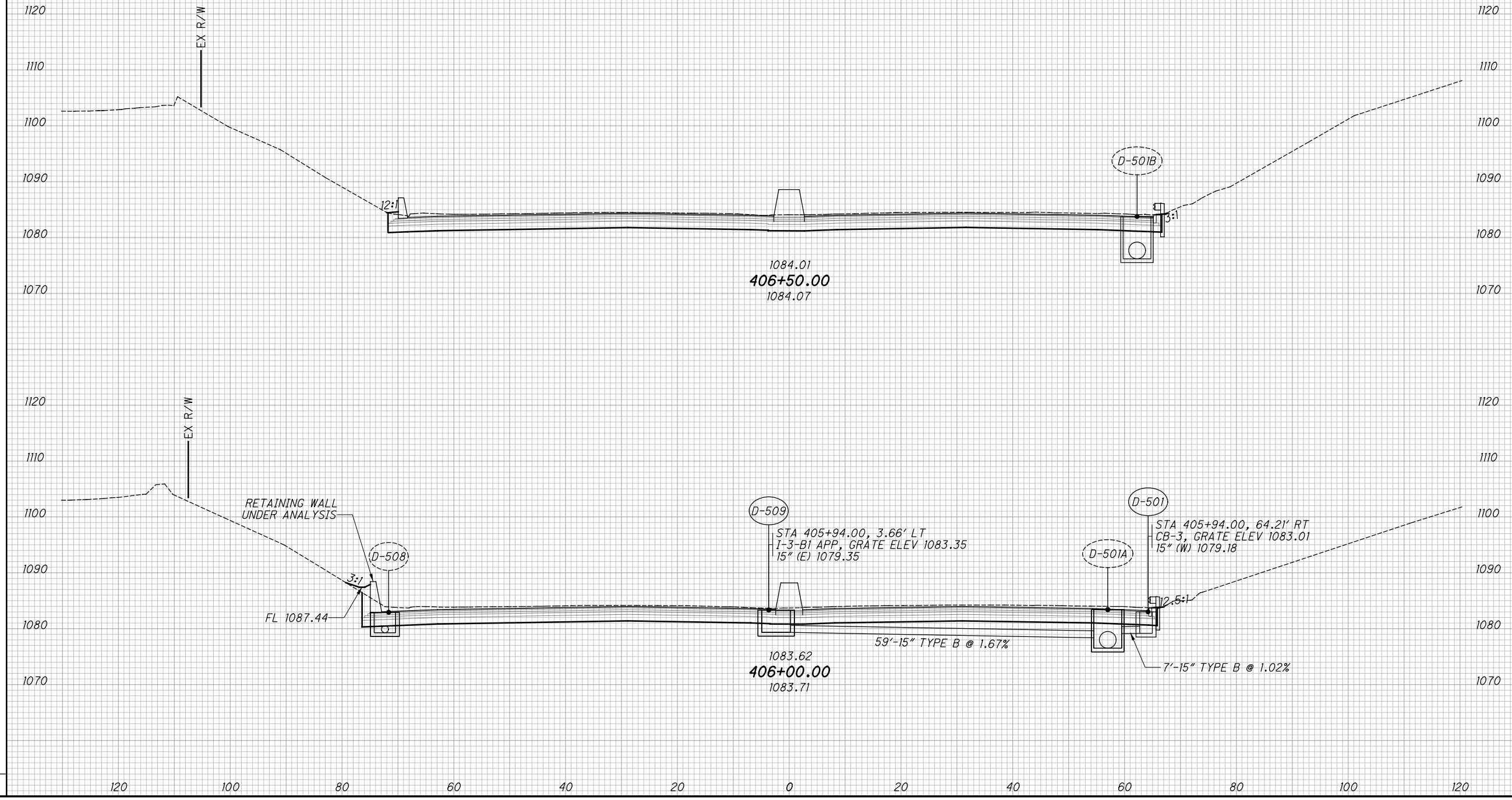
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00
 CROSS SECTIONS - I.R. 77
 STA. 406+00.00 TO STA. 406+50.00

182
298

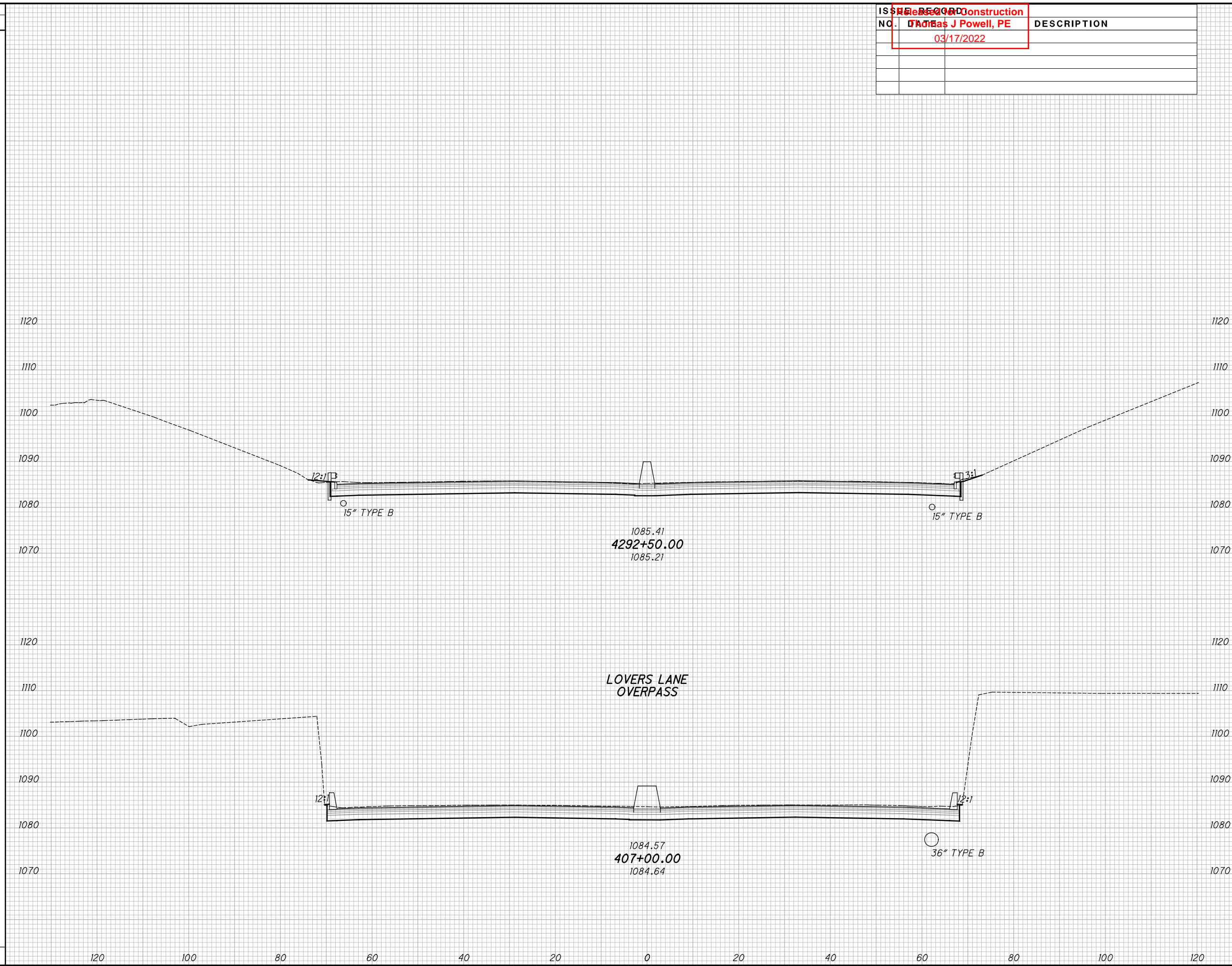
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Xs104

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM
2022-03-02-BU 34-RFC PLANS									
SUM - 76 / 77 / 8 -									
8.24 / 9.74 / 0.00									
CROSS SECTIONS - I.R. 77									
STA. 407+00.00 TO STA. 4292+50.00									
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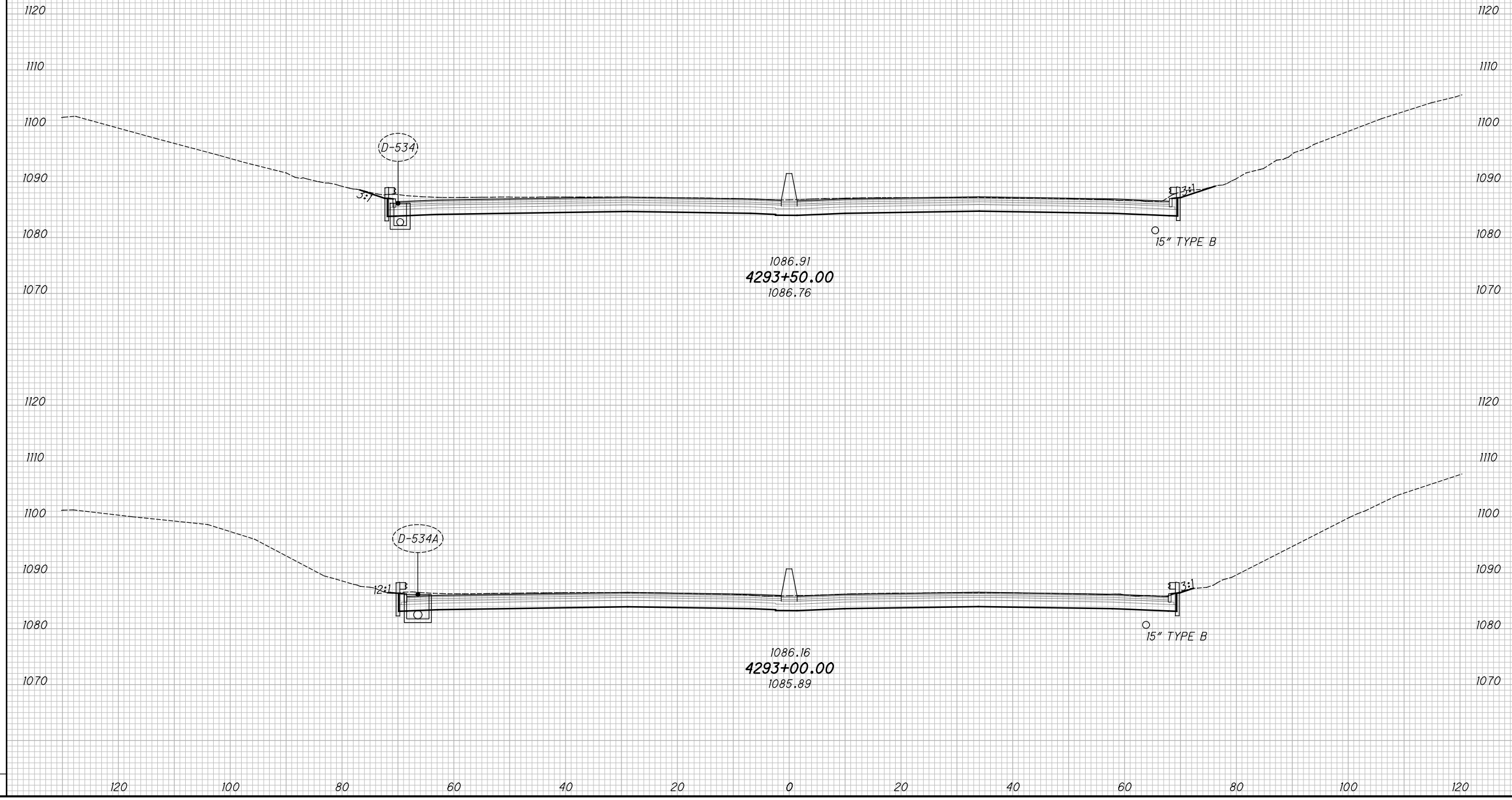
xs105

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

SUM - 76 / 77 / 8 -

8.24 / 9.74 / 0.00

CROSS SECTIONS - I.R. 77

STA. 4293+00.00 TO STA. 4293+50.00

184
298

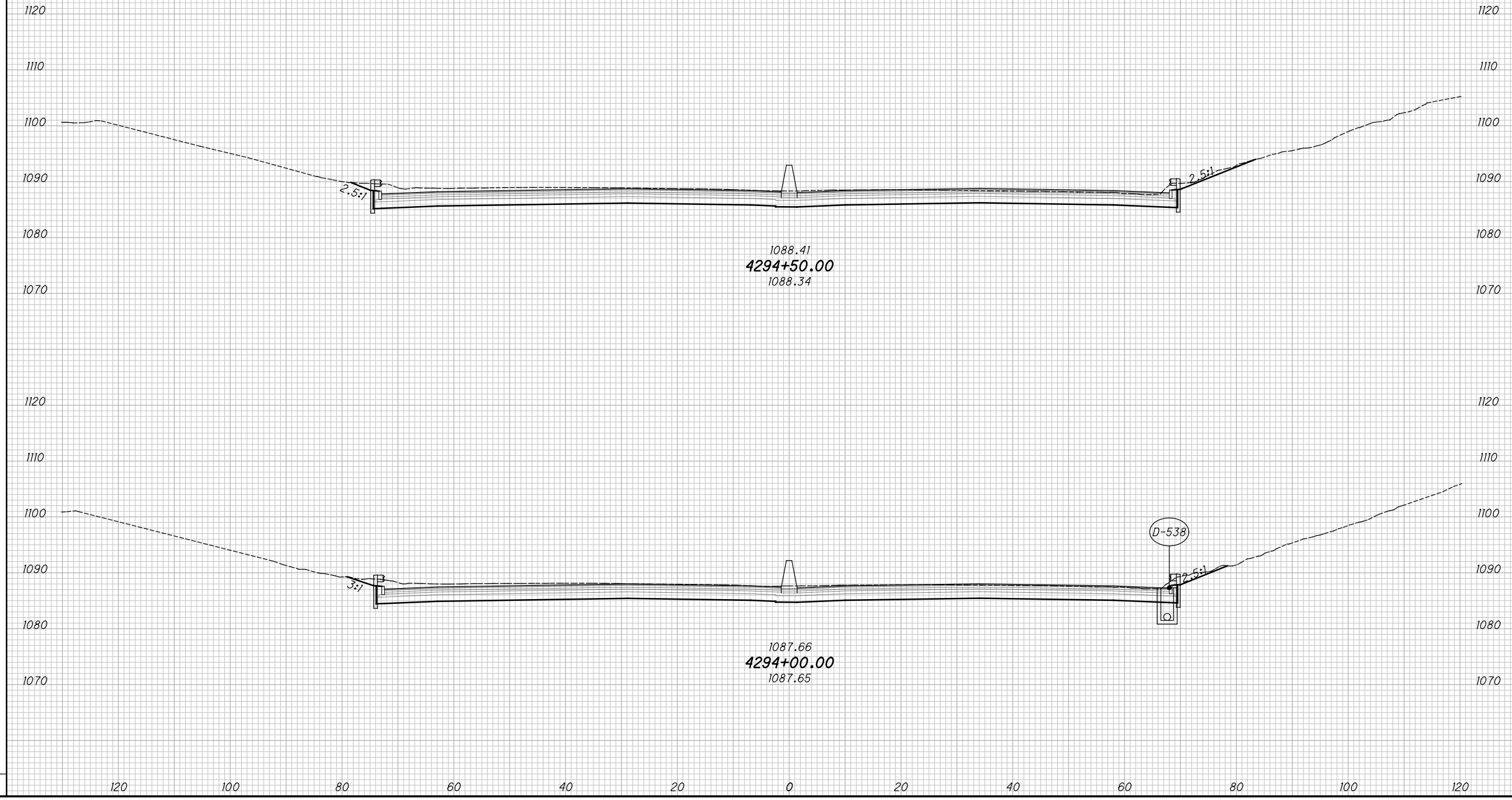
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction
2	Thomas J Powell, PE
3	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00
 CROSS SECTIONS - I.R. 77
 STA. 4294+00.00 TO STA. 4294+50.00
 185
 298

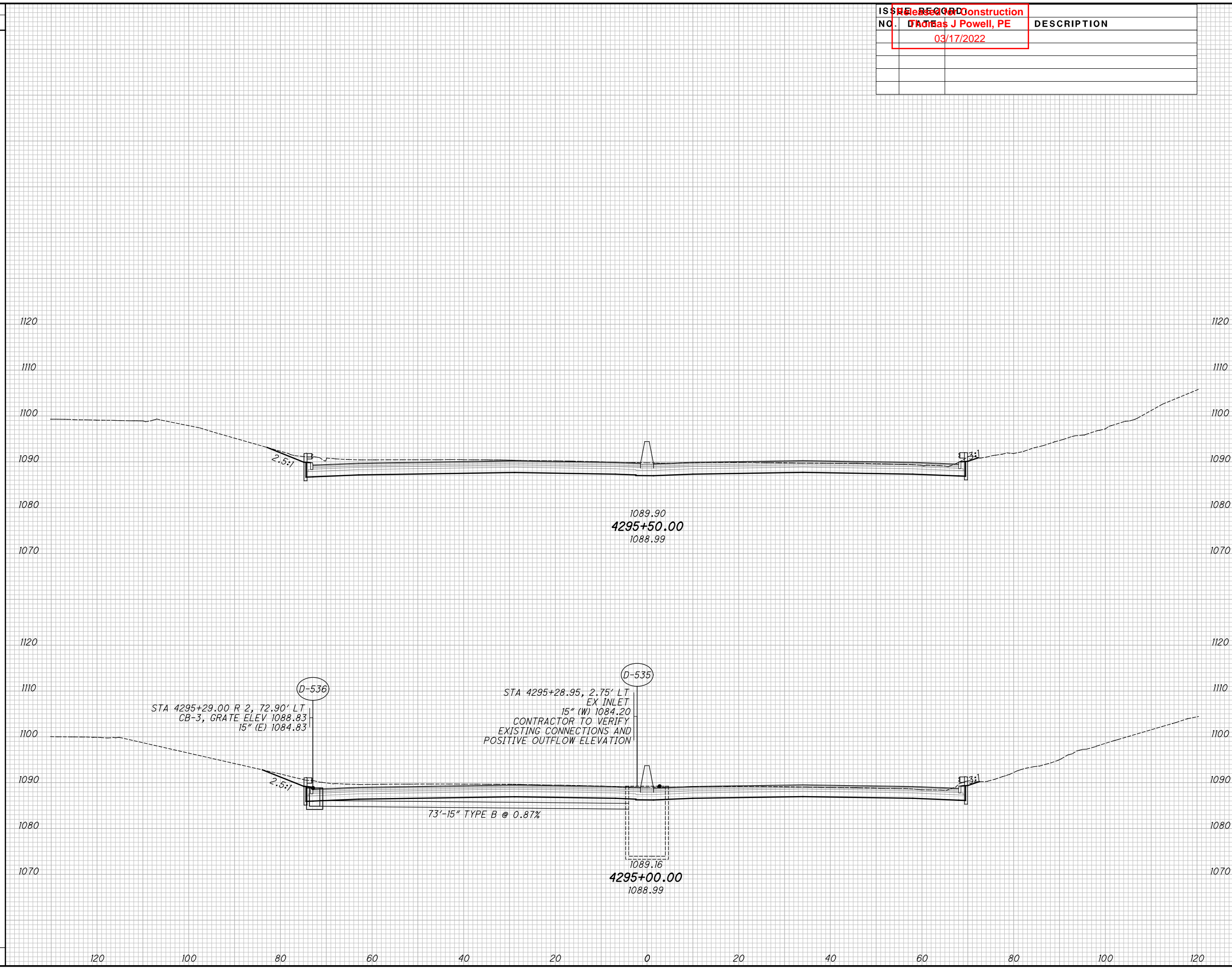
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xs107

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
 186
 298

CROSS SECTIONS - I.R. 77
STA. 4295+00.00 TO STA. 4295+50.00

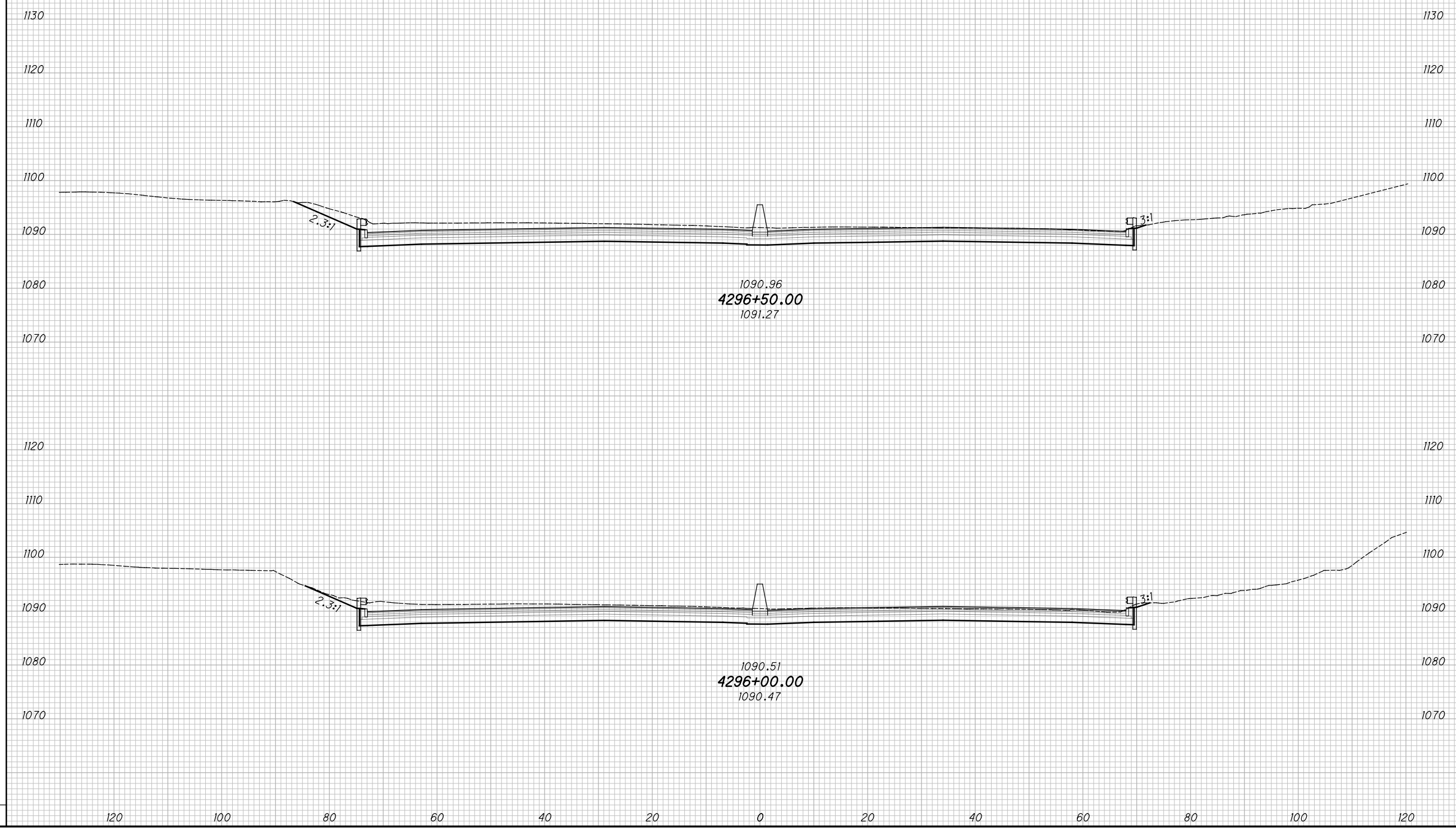
xs108

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
CROSS SECTIONS - I.R. 77
STA. 4296+00.00 TO STA. 4296+50.00

187
298

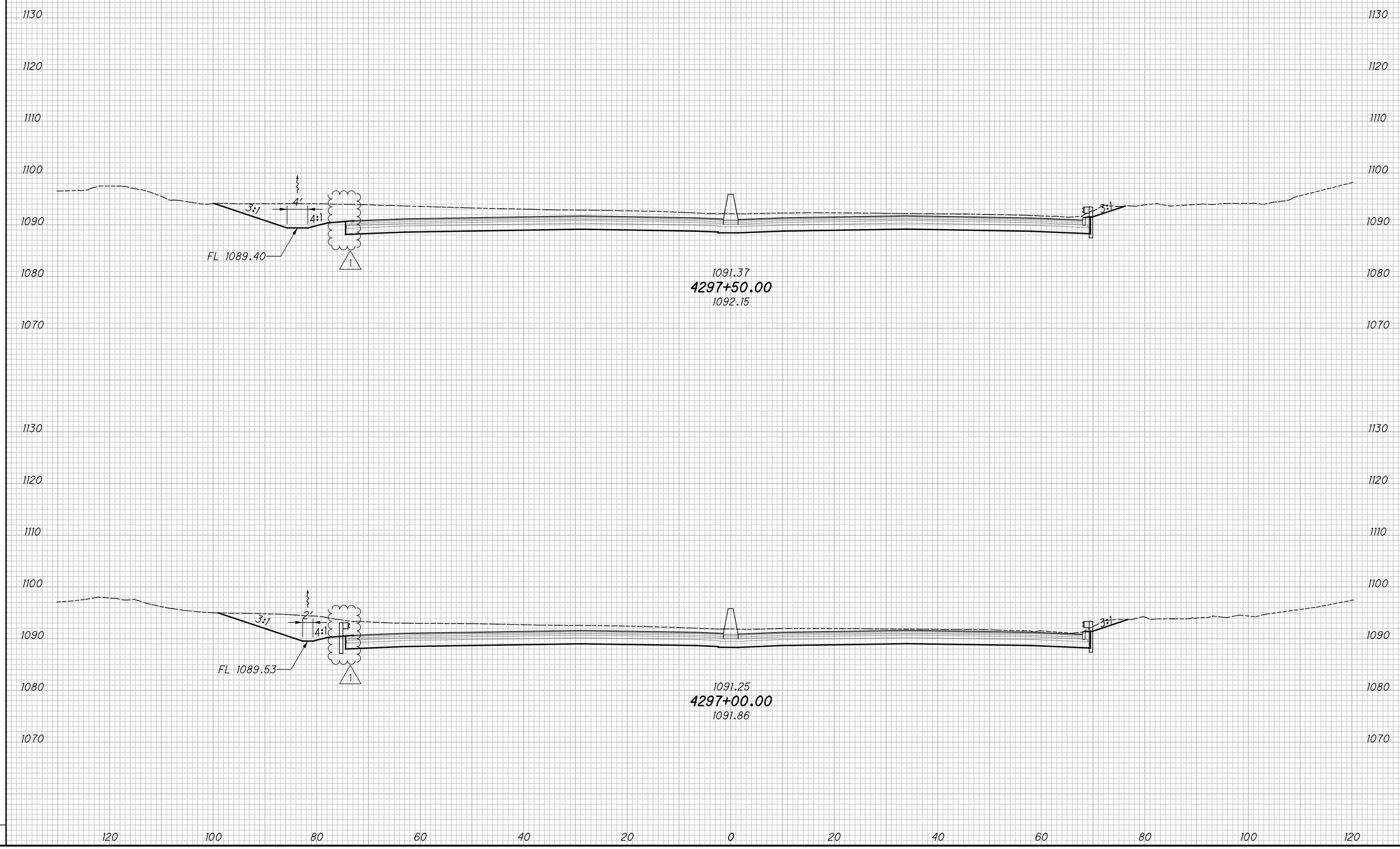
xs109

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Released for Construction
Thomas J Powell, PE
04/25/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	4/19/22	GUARDRAIL REVISION

SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JDD	JFM	JDD	JFM



2022-04-19-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00
 CROSS SECTIONS - I.R. 77
 STA. 4297+00.00 TO STA. 4297+50.00

188
298

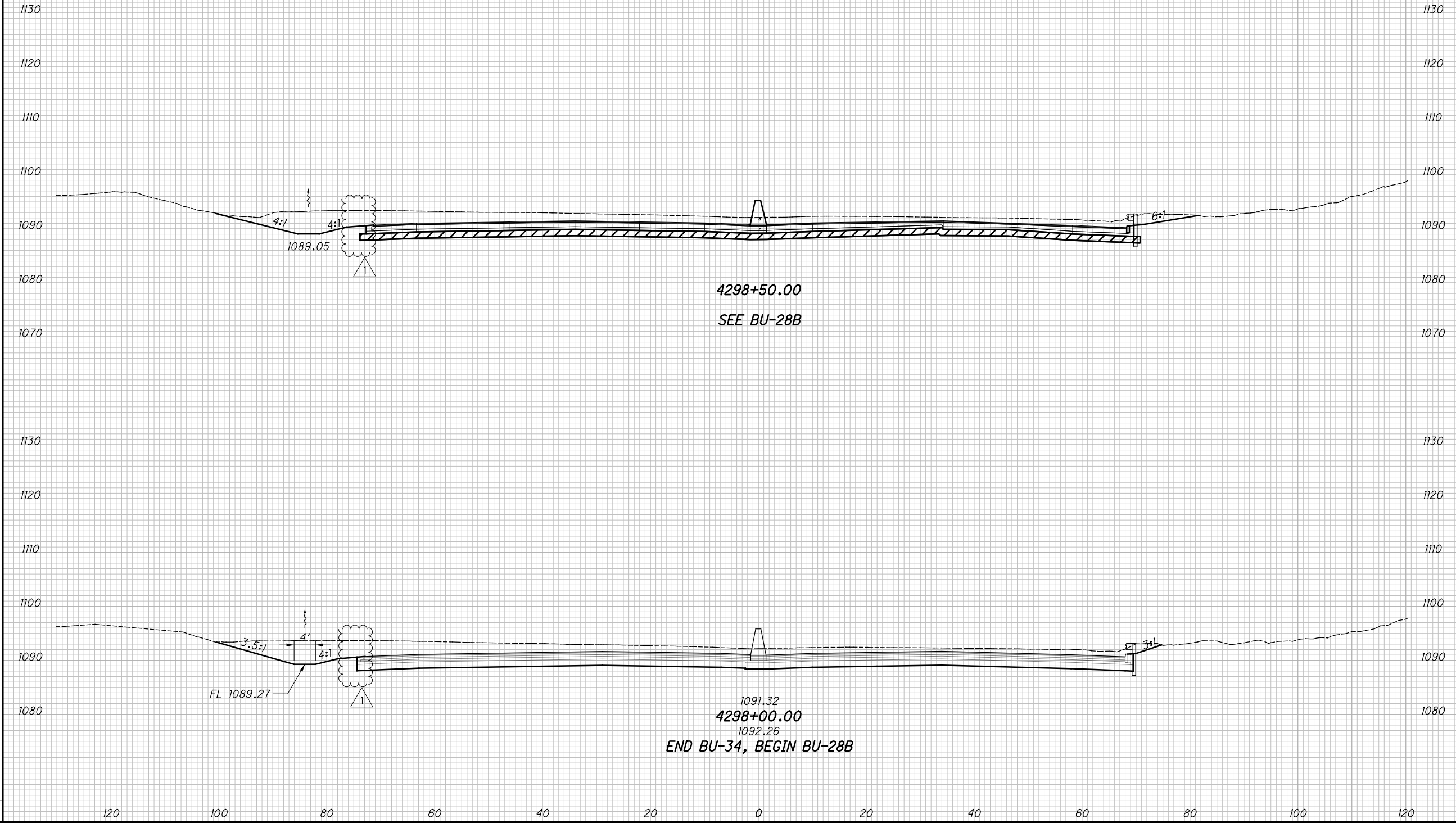
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SEEDING	
END WIDTH	SO. YDS.

Released for Construction
Thomas J Powell, PE
04/25/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	4/19/22	GUARDRAIL REVISION

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-04-19-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

189
298

XSITE

SEEDING	
END WIDTH	SO. YDS.

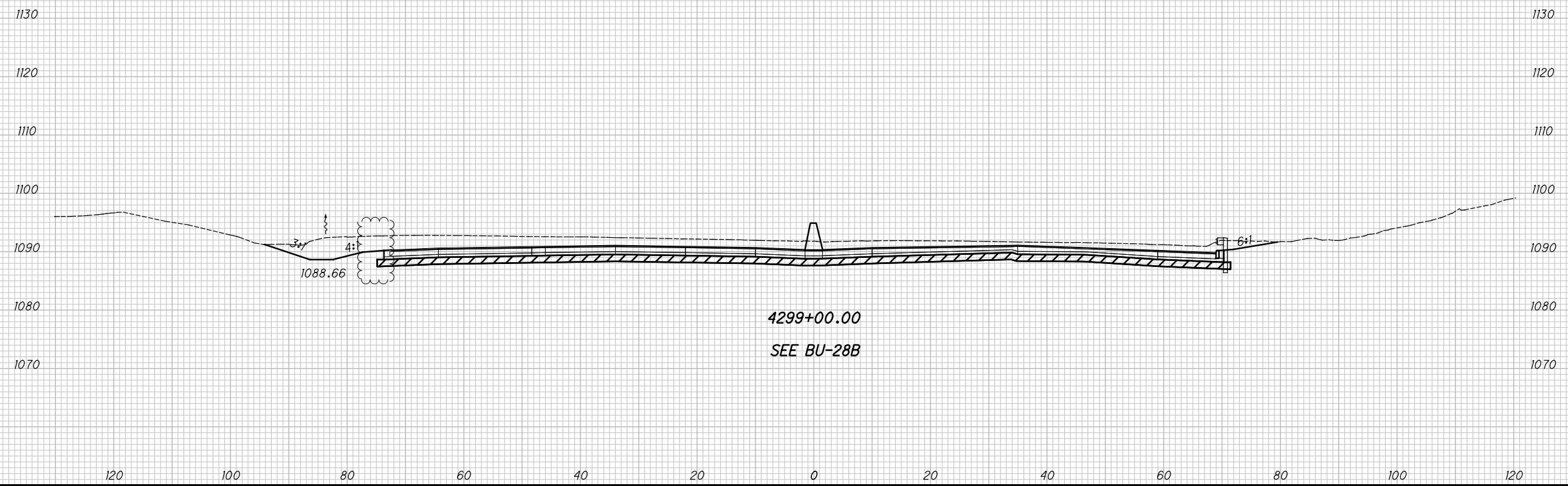
Released for Construction
 Thomas J Powell, PE
 04/25/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	4/19/22	GUARDRAIL REVISION

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
JDD	JFM

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2022-04-19-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00

190
298

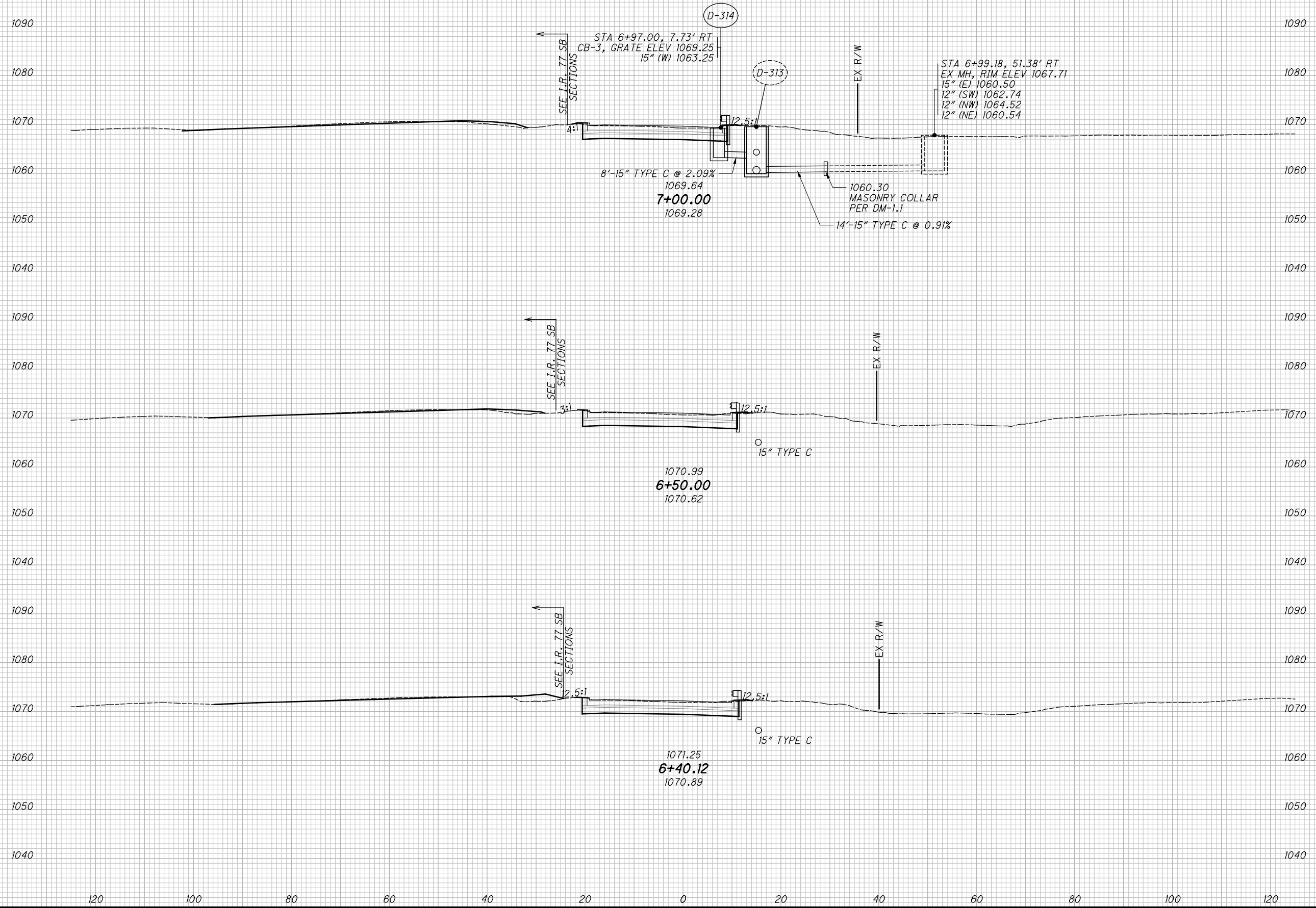
CROSS SECTIONS - I.R. 77
 STA. 4299 + 00.00

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SEEDING	END SO.	
	WIDTH	YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Release for Construction

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM

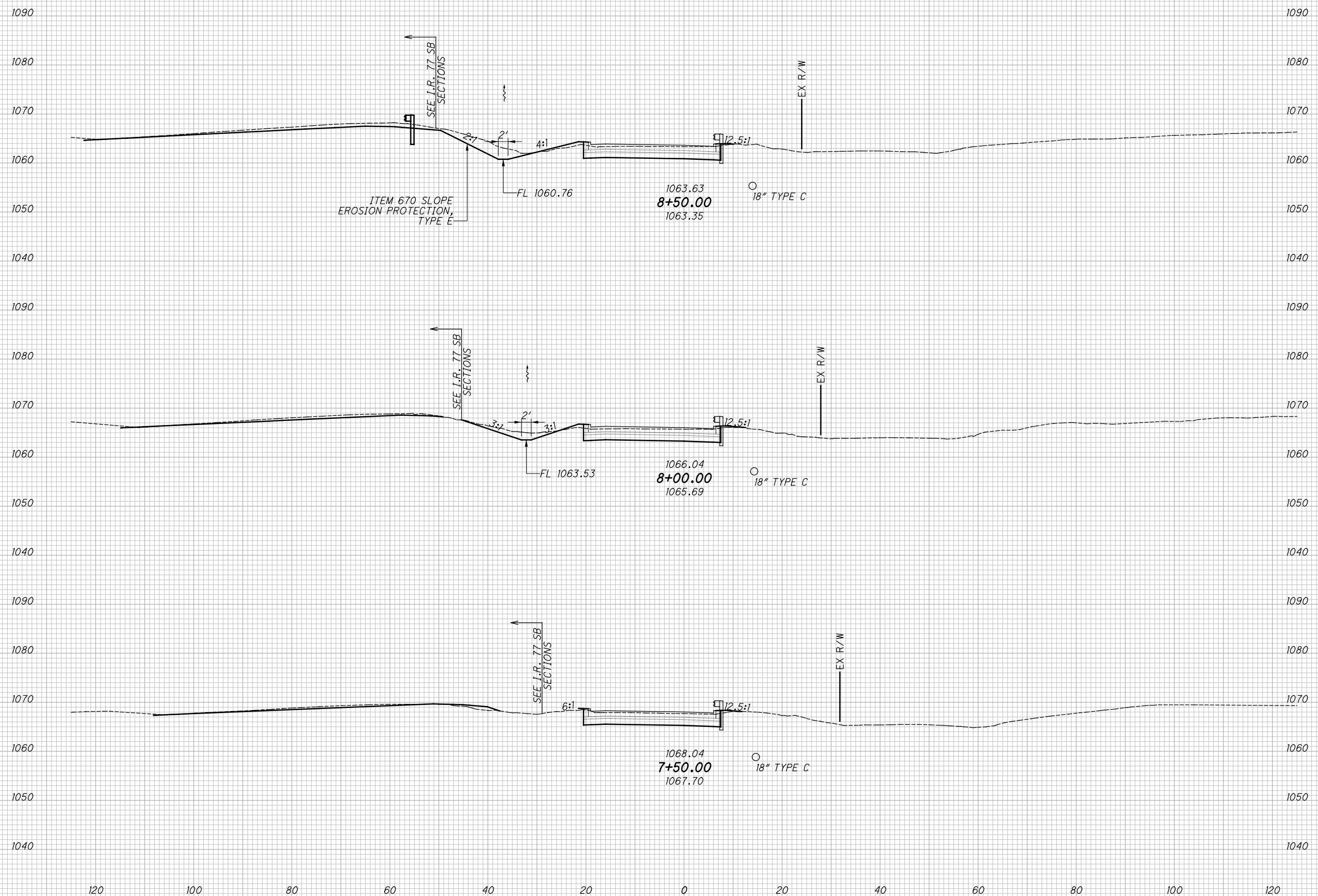


2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
 CROSS SECTIONS - RAMP S12
 STA. 6+40.12 TO STA. 7+00.00

ISSUE NO.	003	DESCRIPTION	Release for Construction
NO.	001	DESCRIPTION	Tamas J Powell, PE
			03/17/2022

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	JDD
CHECKED	JFM



CROSS SECTIONS - RAMP S12
STA. 7+50.00 TO STA. 8+50.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

192
298

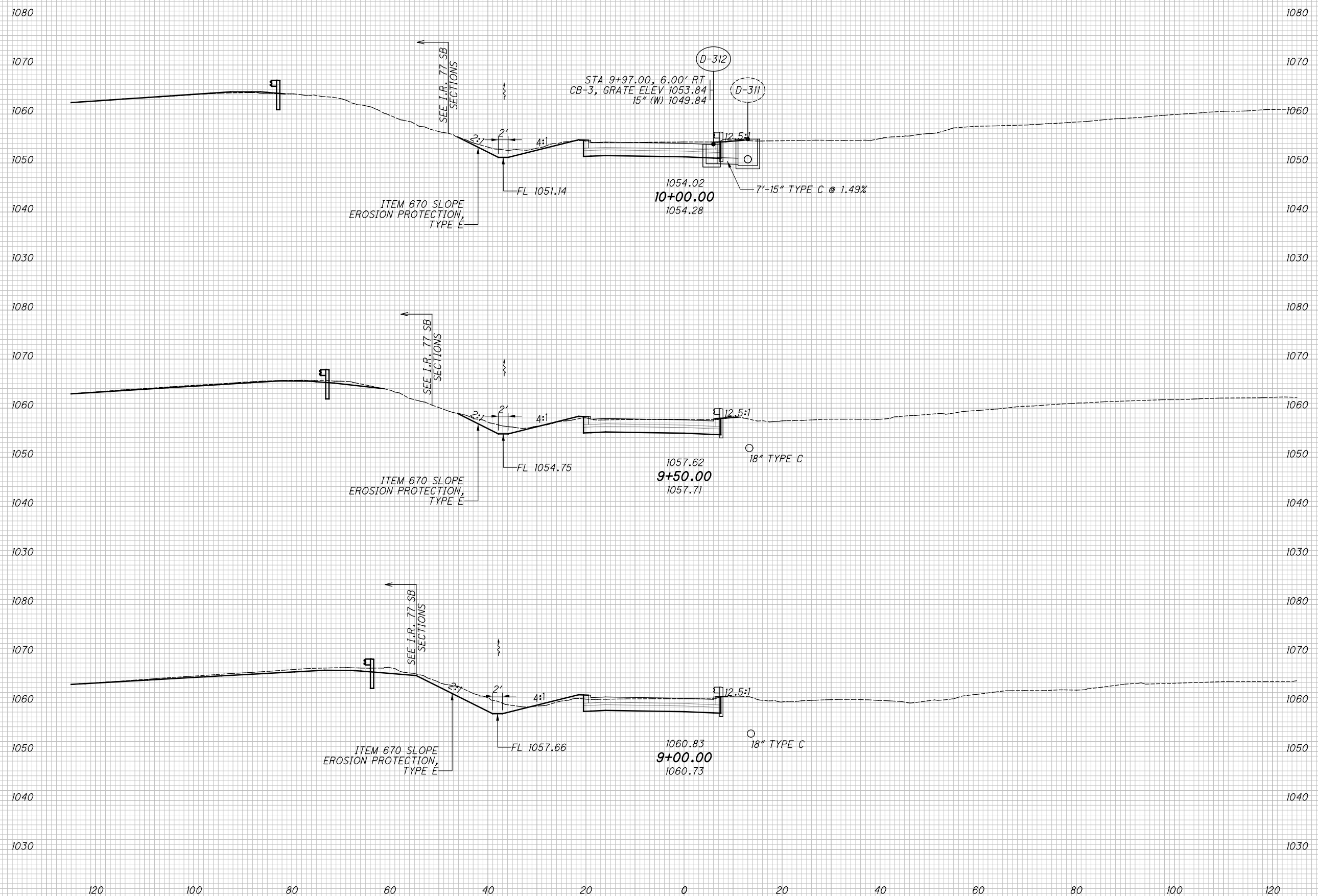
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - RAMP S12
STA. 9+00.00 TO STA. 10+00.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

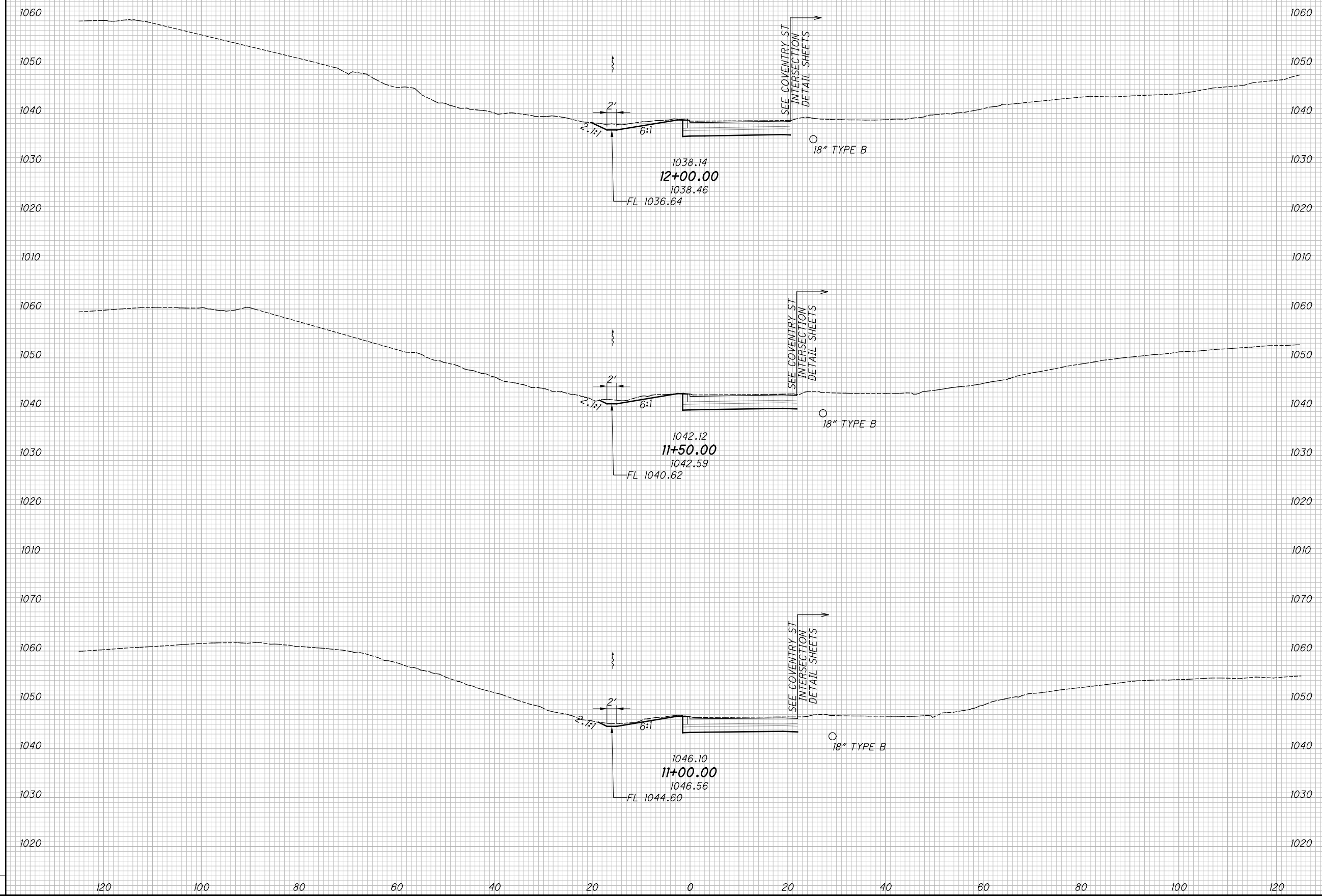
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298

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Construction

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM
CROSS SECTIONS - RAMP S12					
STA. 11+00.00 TO STA. 12+00.00					
2022-03-02-BU 34-RFC PLANS					
SUM - 76 / 77 / 8 -					
8.24 / 9.74 / 0.00					
(195 / 298)					



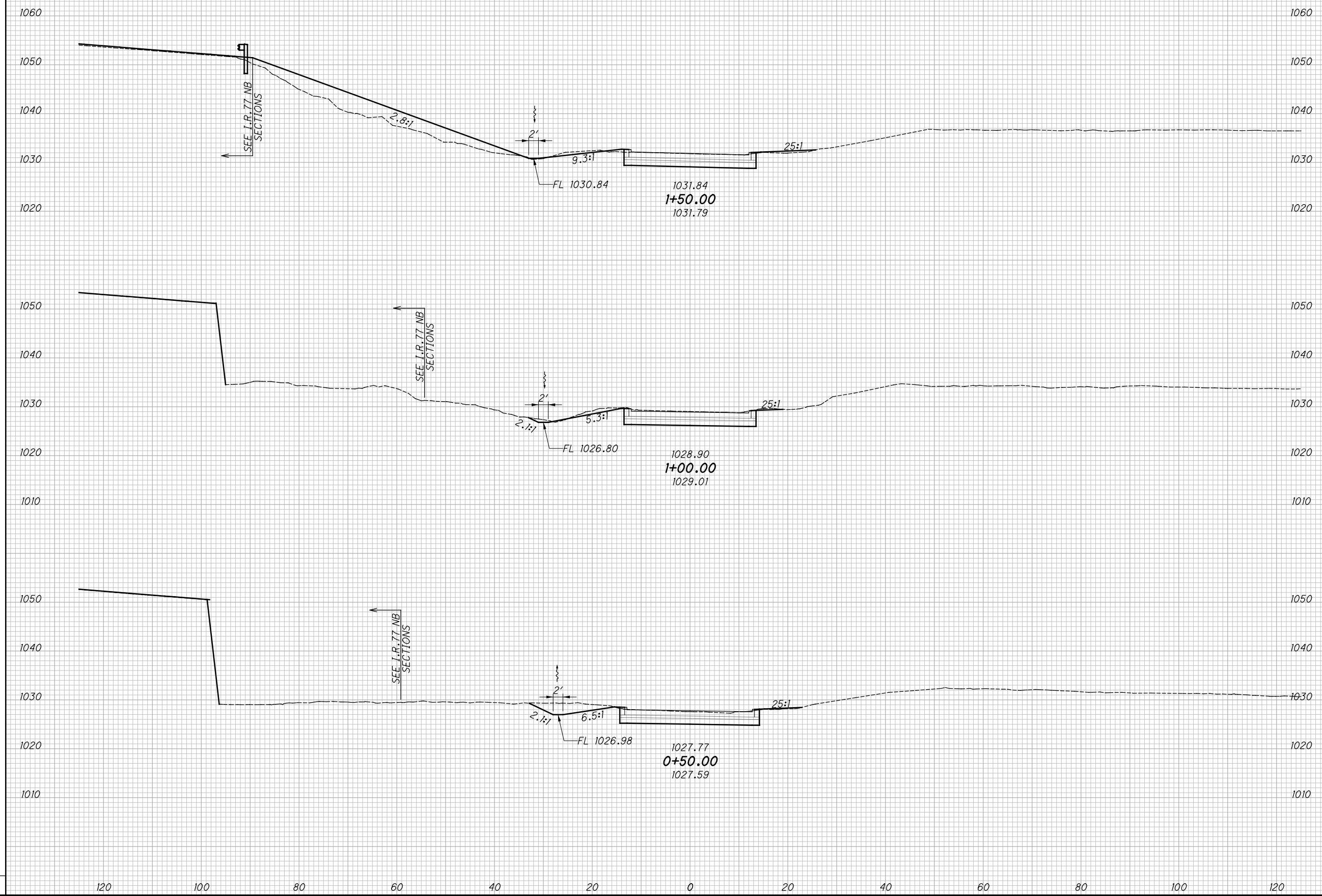
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X5801

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Tamas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - RAMP S11
STA. 0+50.00 TO STA. 1+50.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

197
298

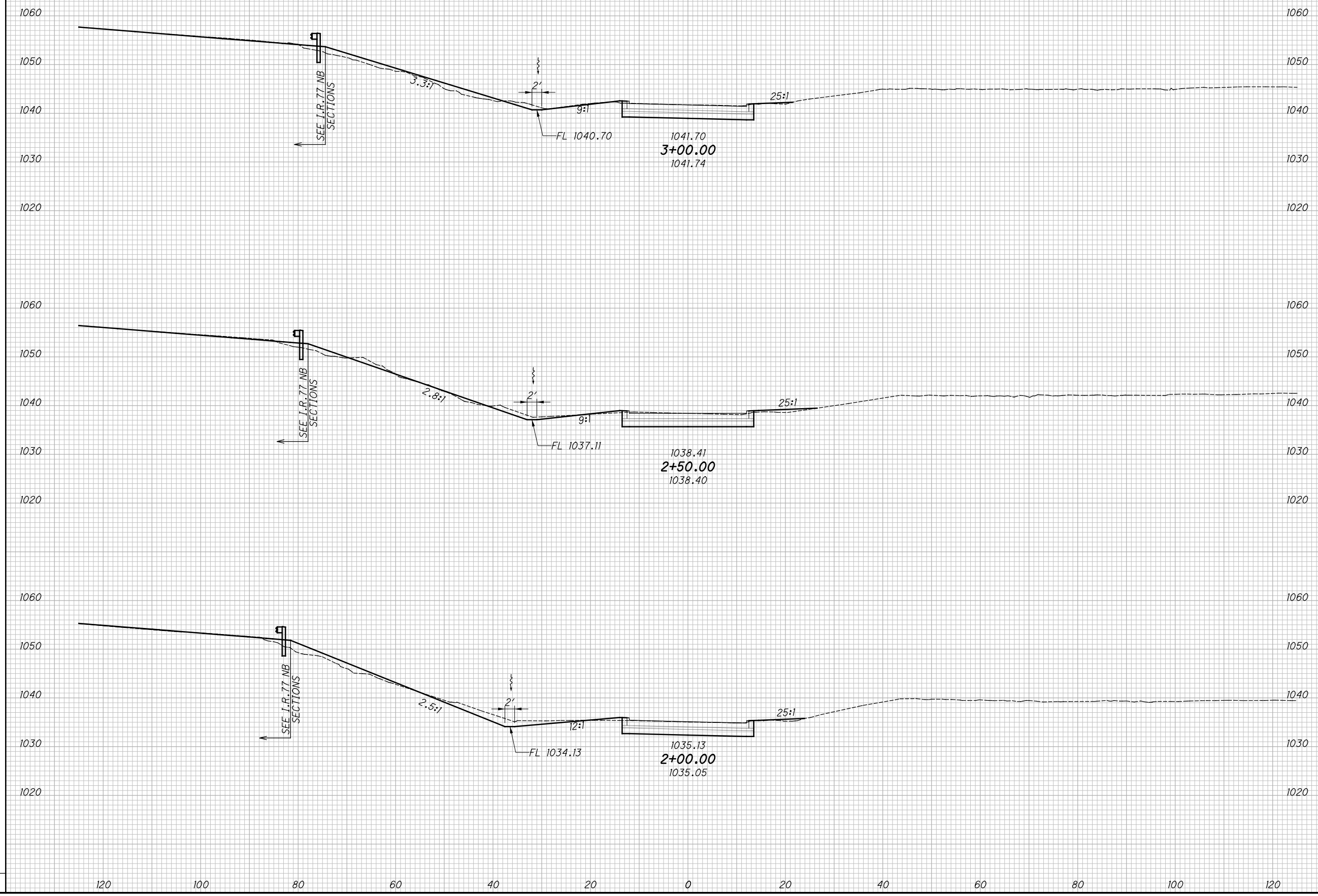
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00
 CROSS SECTIONS - RAMP S11
 STA. 2+00.00 TO STA. 3+00.00

198
298

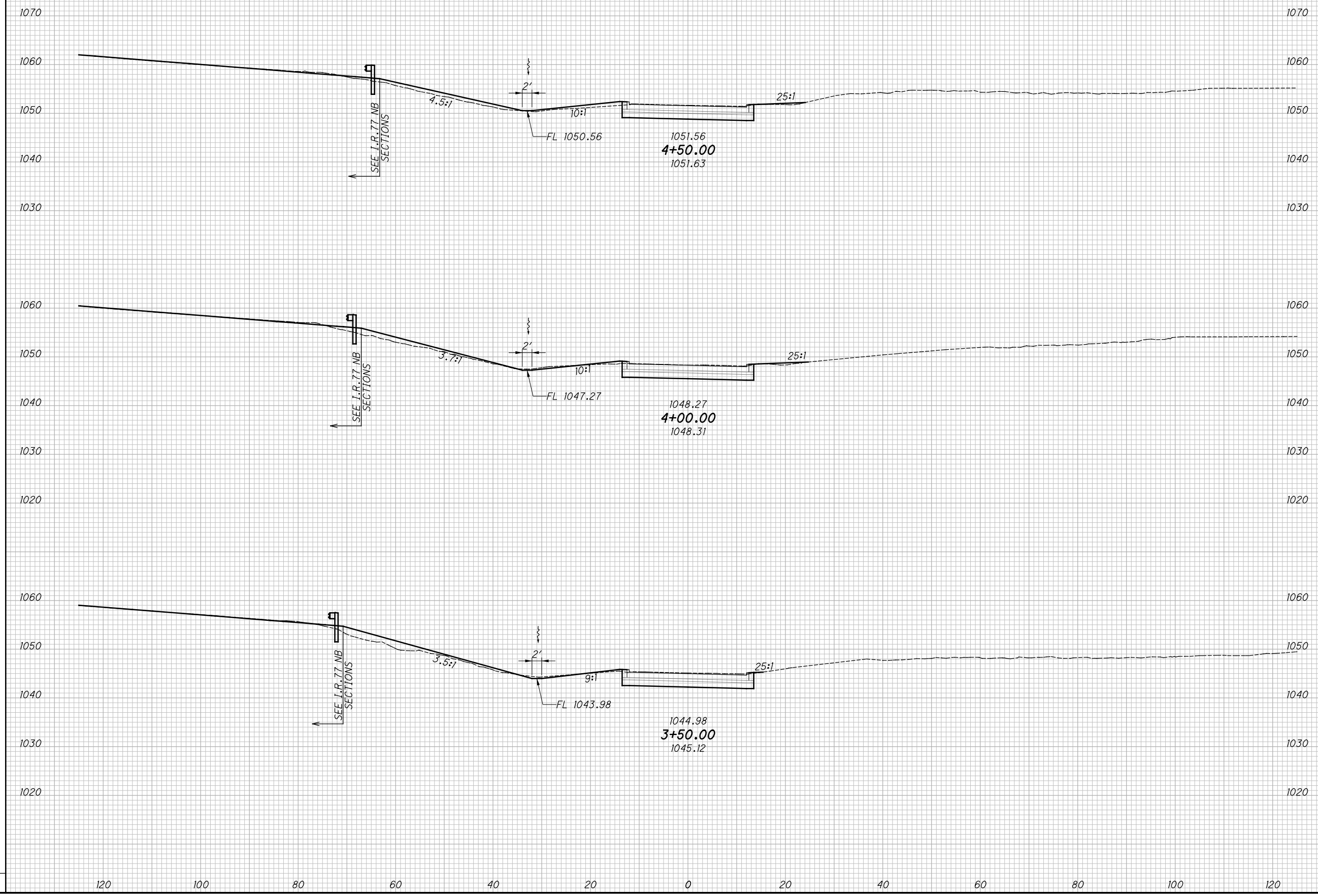
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Tamas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 CROSS SECTIONS - RAMP S11
 STA. 3+50.00 TO STA. 4+50.00

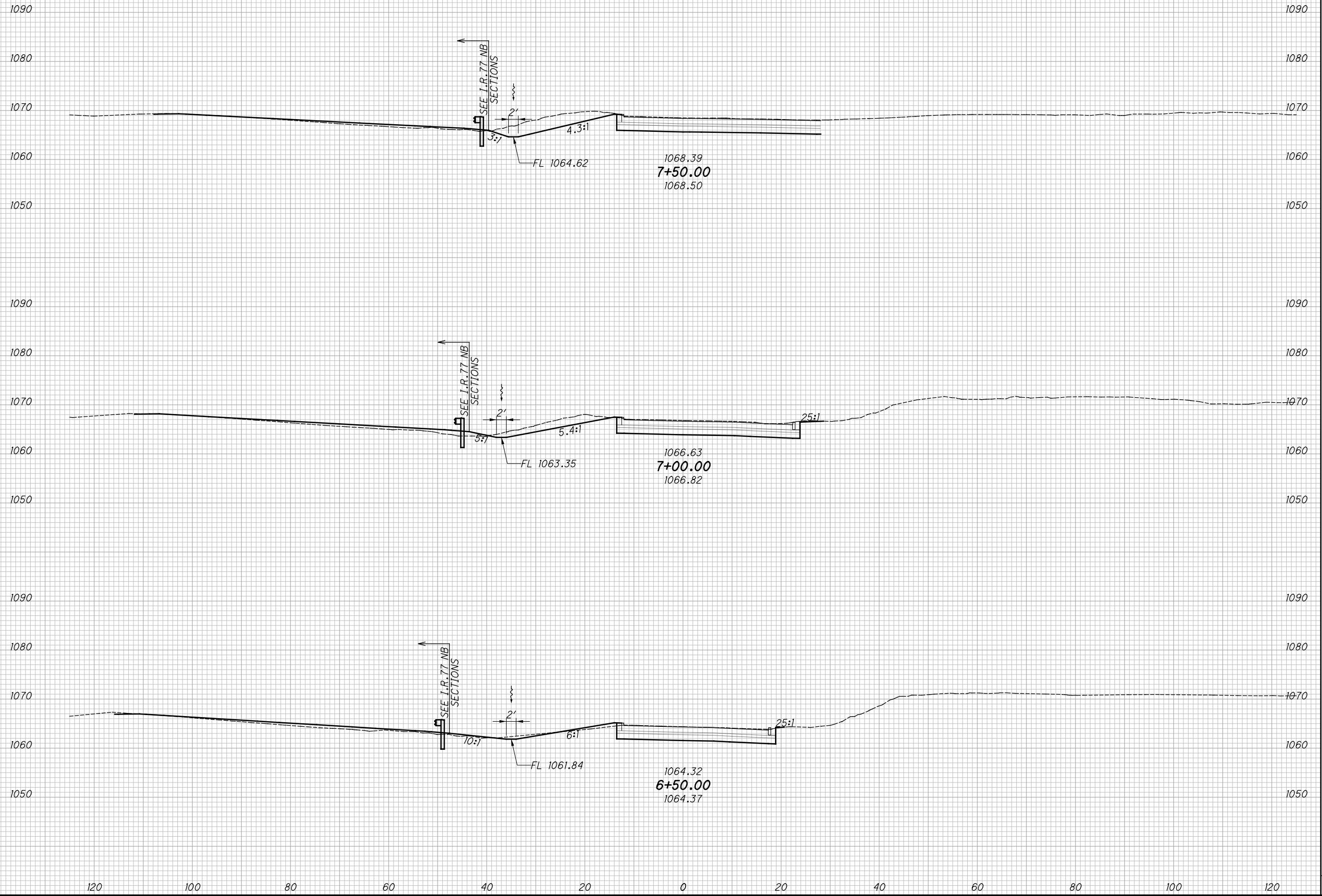
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298

xs802

SEEDING	
END WIDTH	SO. YDS.

ISSUE RECORD		DESCRIPTION
NO.	DATE	

END AREA	VOLUME	CALCULATED	CHECKED				
				CUT	FILL	CUT	FILL
2022-03-02-BU 34-RFC PLANS SUM - 76 / 77 / 8 - 8.24 / 9.74 / 0.00				CROSS SECTIONS - RAMP S11 STA. 6+50.00 TO STA. 7+50.00			



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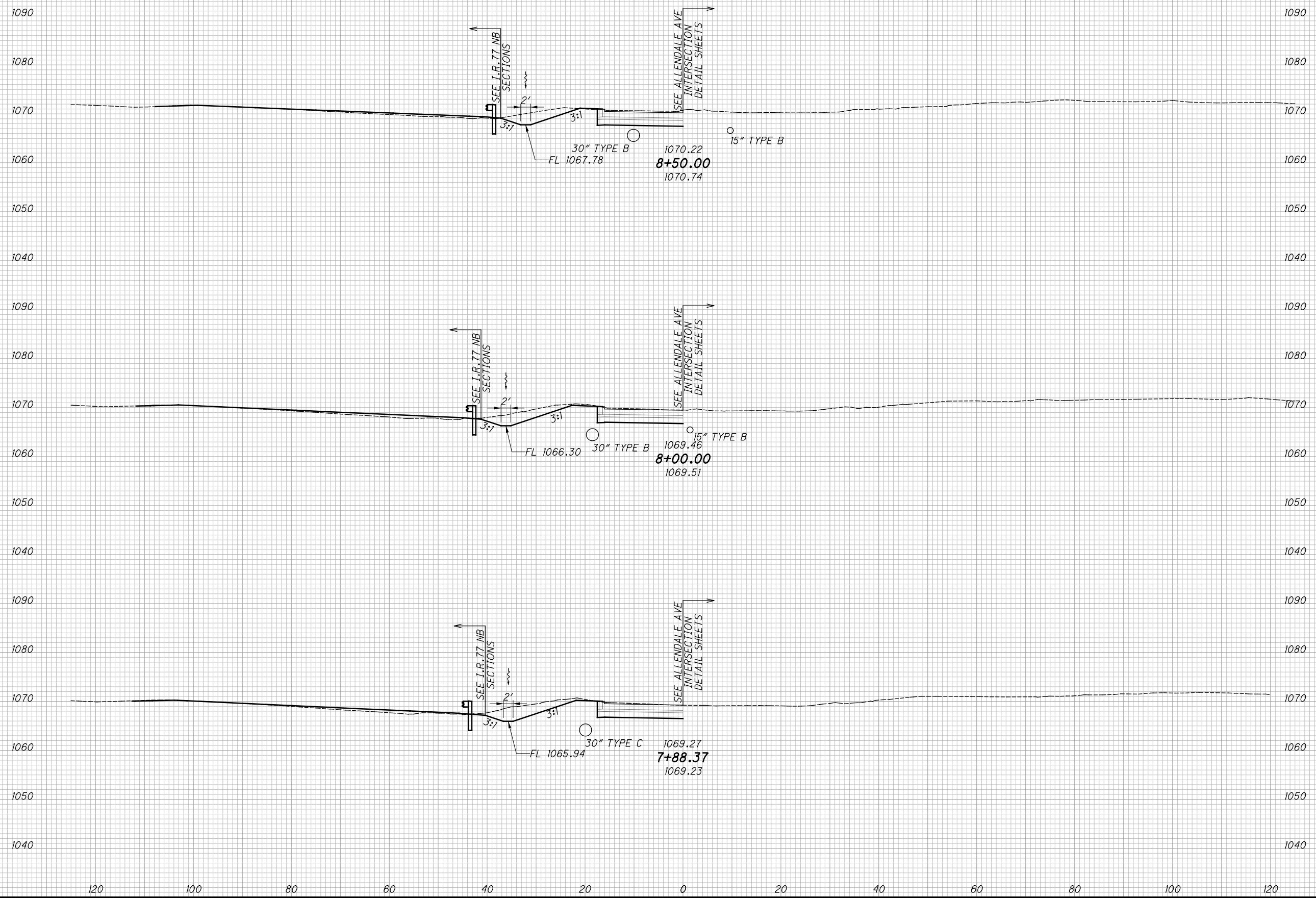
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Xs801

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction Tamas J Powell, PE 03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - RAMP S11
STA. 7+88.37 TO STA. 8+50.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

202
298

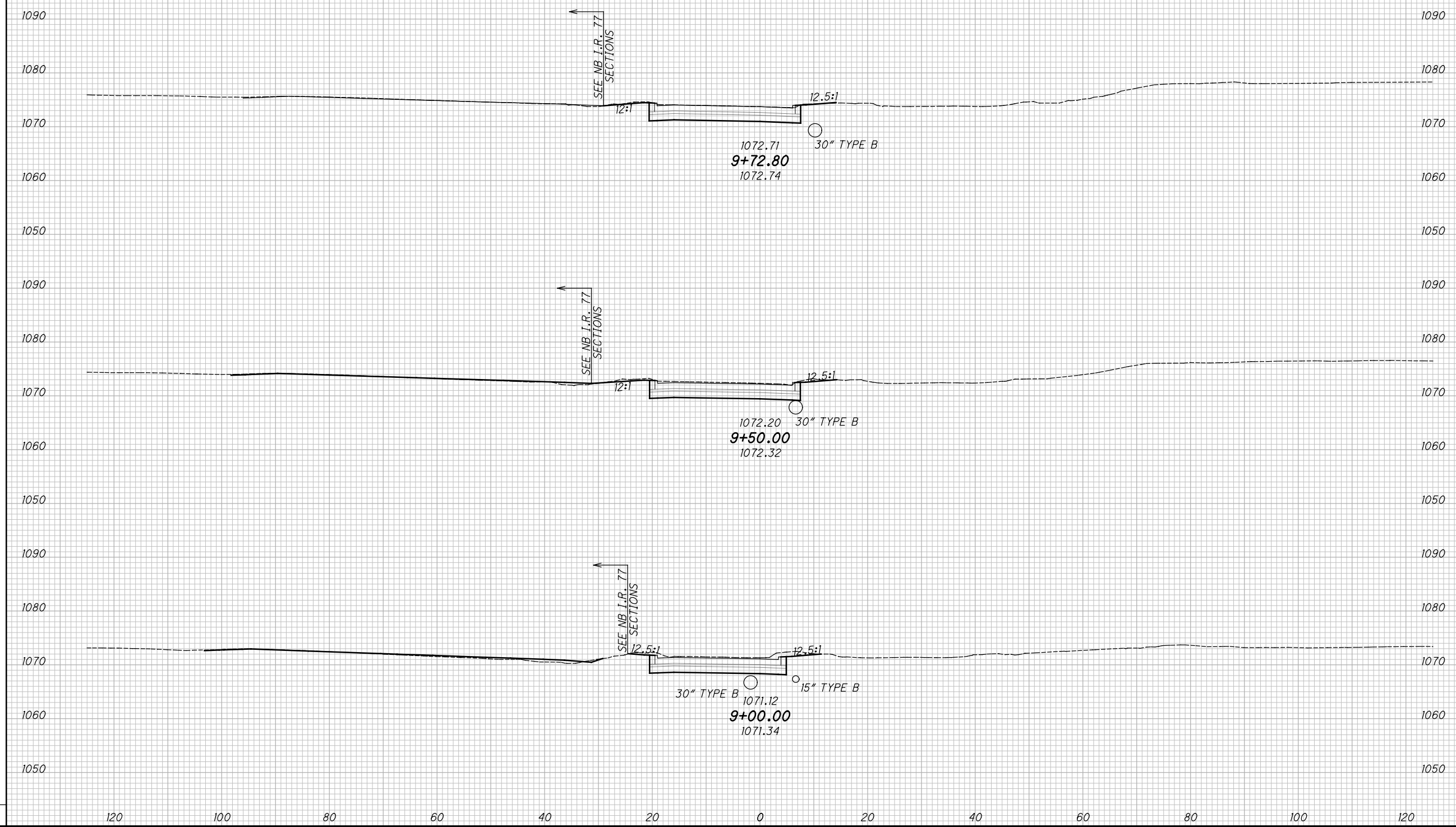
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xs802

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
 CROSS SECTIONS - RAMP S11
 STA. 9+00.00 TO STA. 9+72.80

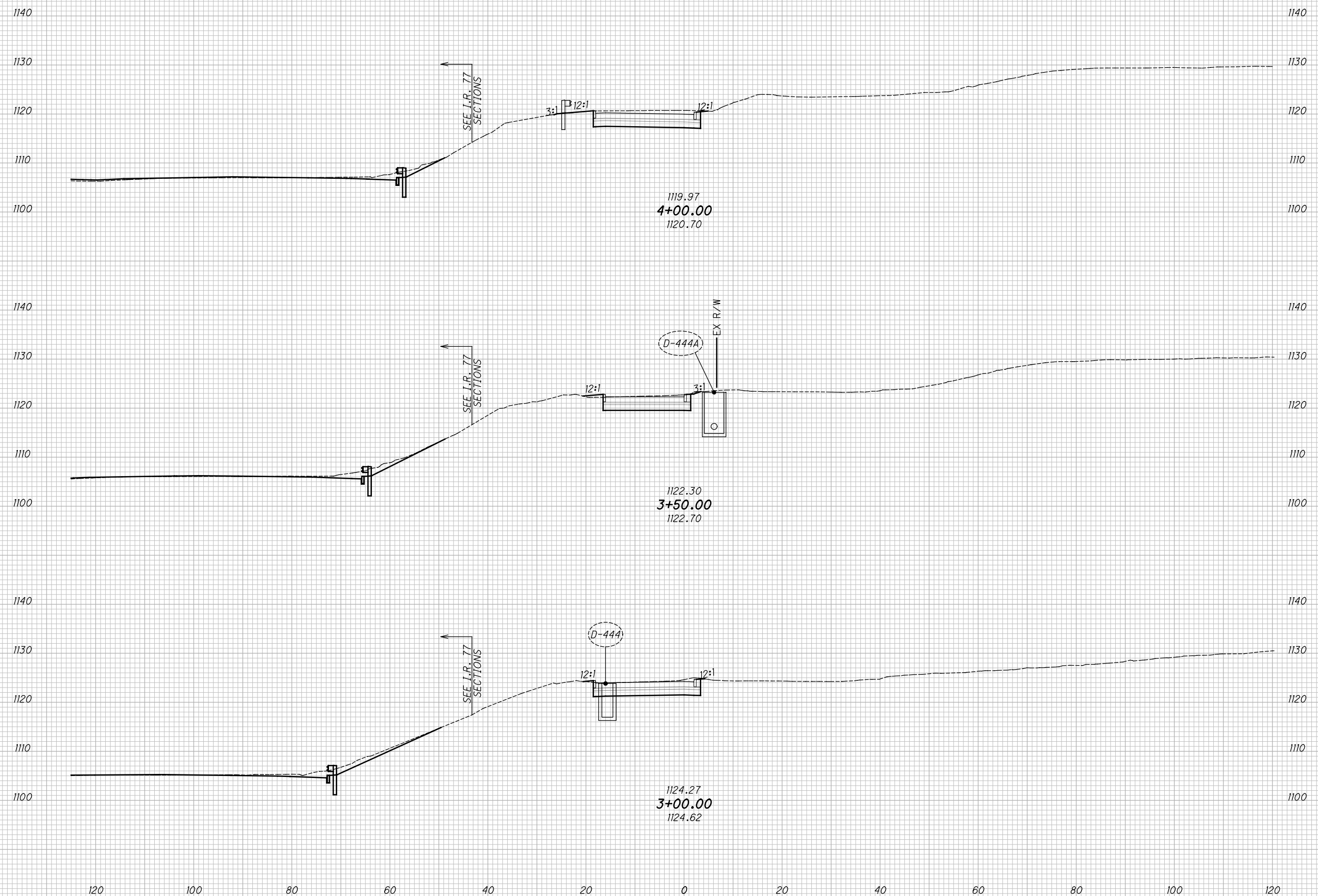
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298

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SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	03/17/2022	DESCRIPTION
01	03/17/2022	Release for Construction
02		
03		
04		

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - RAMP S10
STA. 3+00.00 TO STA. 4+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

204
298

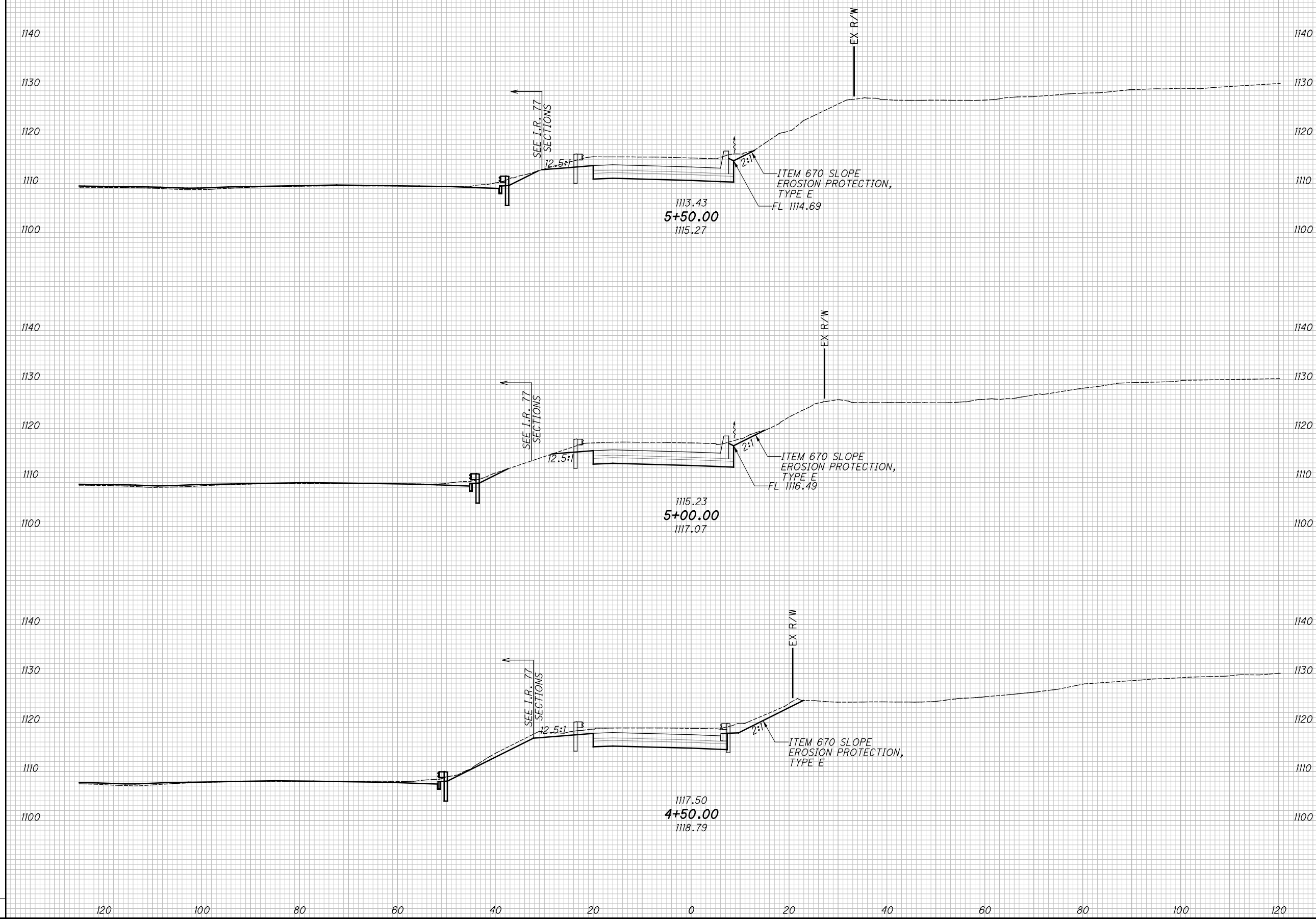
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xst02

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Tamas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM
<p style="text-align: center;">CROSS SECTIONS - RAMP S10</p> <p style="text-align: center;">STA. 4+50.00 TO STA. 5+50.00</p>				<p style="writing-mode: vertical-rl; transform: rotate(180deg);">2022-03-02-BU 34-RFC PLANS</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SUM-76 / 77 / 8-</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">8.24 / 9.74 / 0.00</p>	<p style="text-align: center;">205 298</p>		



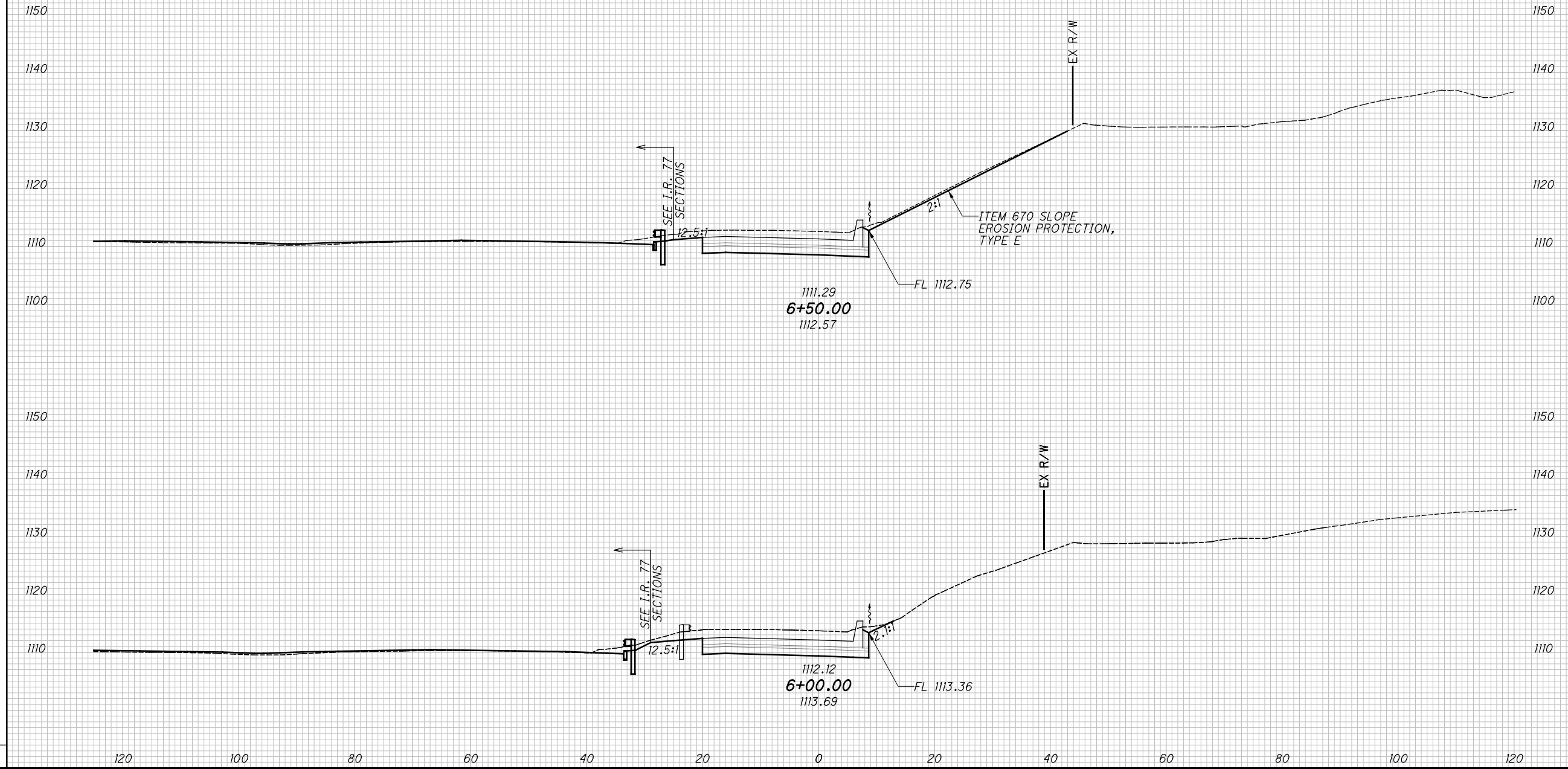
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
001	Release for Construction
002	Thomas J Powell, PE
003	03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - RAMP S10
STA. 6+00.00 TO STA. 6+50.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

206
298

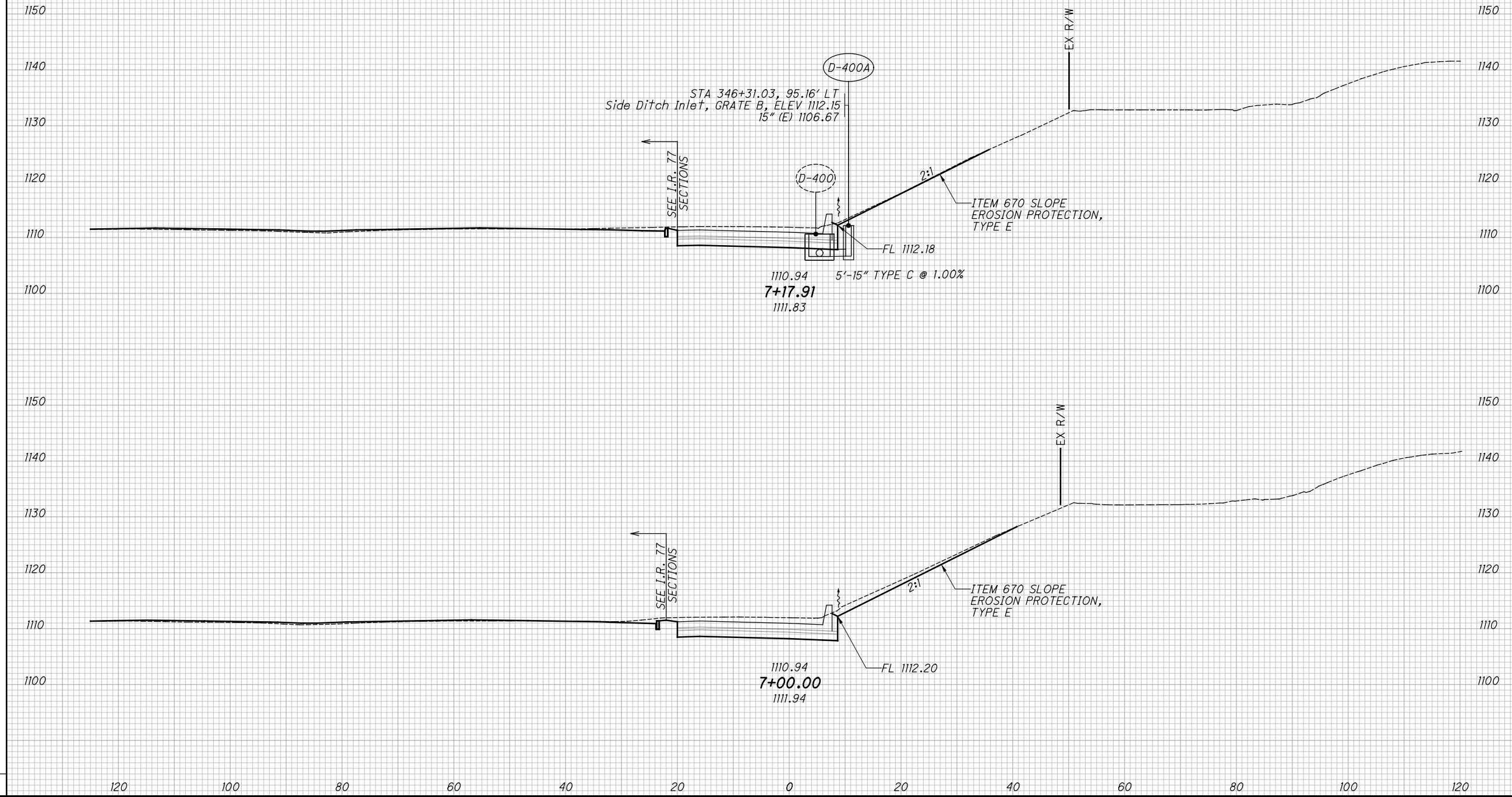
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SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
03/17/2022	Release for Construction
	Thomas J Powell, PE

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 CROSS SECTIONS - RAMP S10
 STA. 7+00.00 TO STA. 7+17.91

207
298

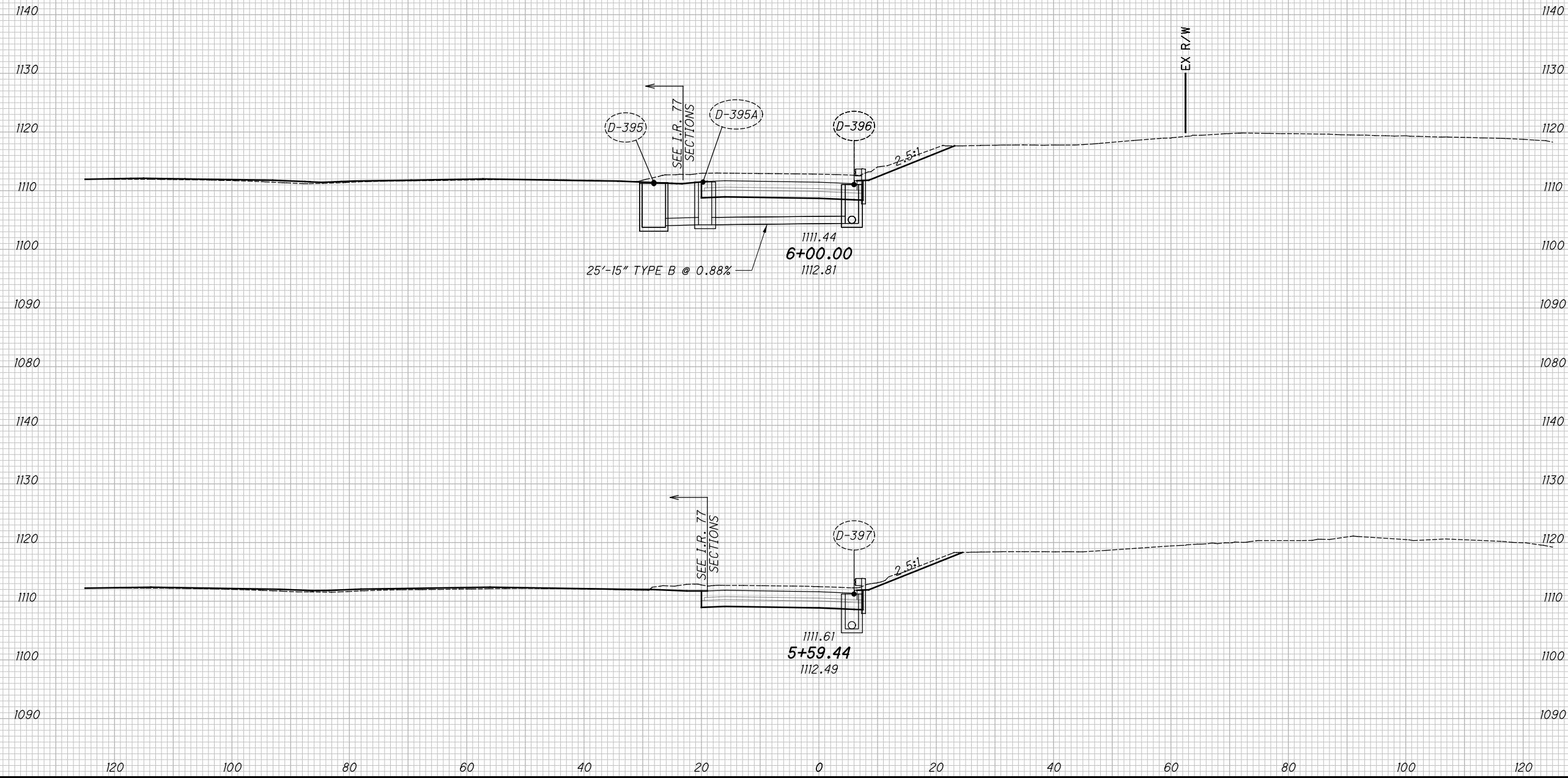
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



CROSS SECTIONS - RAMP S9
STA. 5+59.44 TO STA. 6+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

(208
298)

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xs603

SEEDING
END SO.
WIDTH YDS.

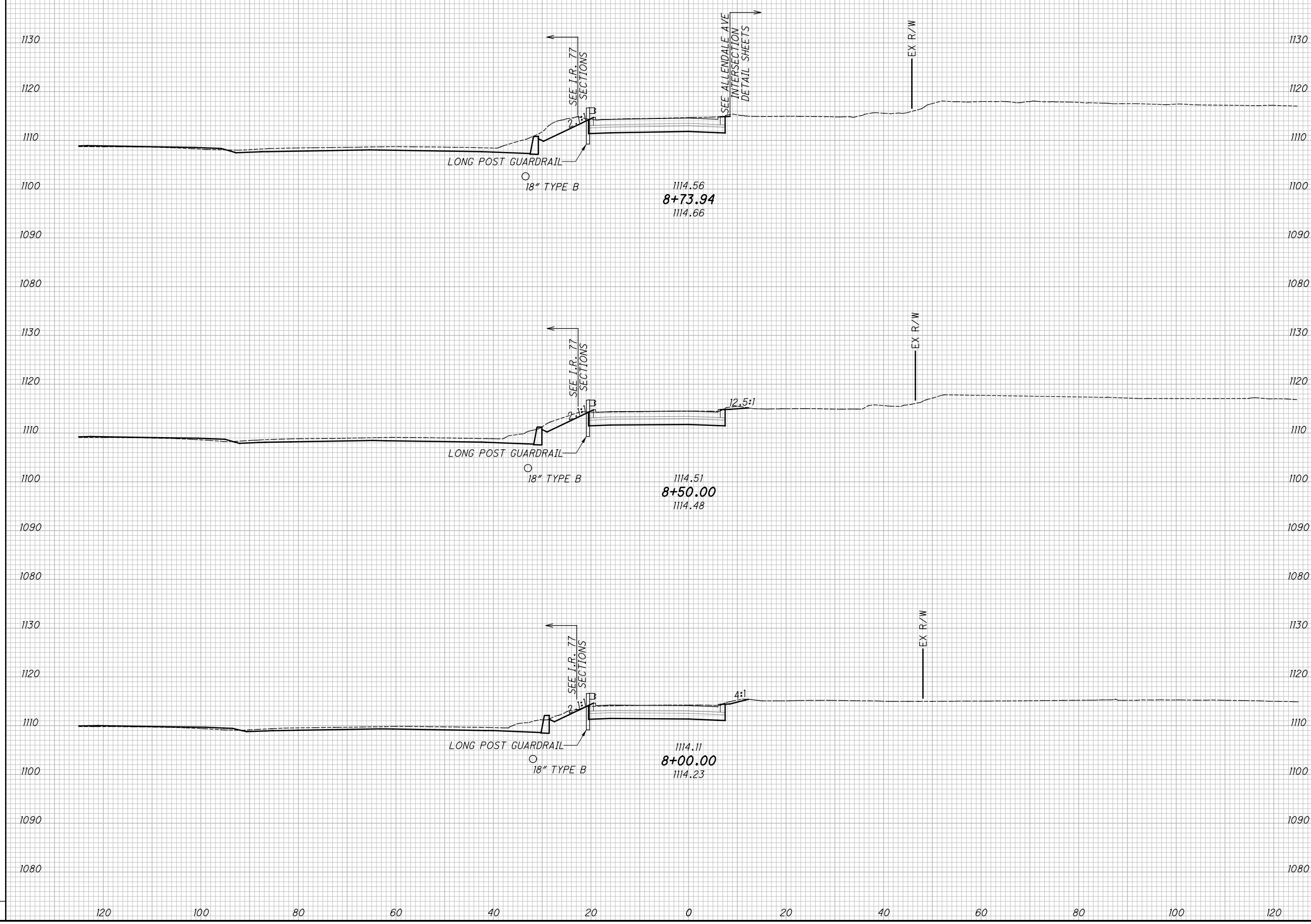
ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA
CUT FILL

VOLUME
CUT FILL

CALCULATED
JDD

CHECKED
JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

210
298

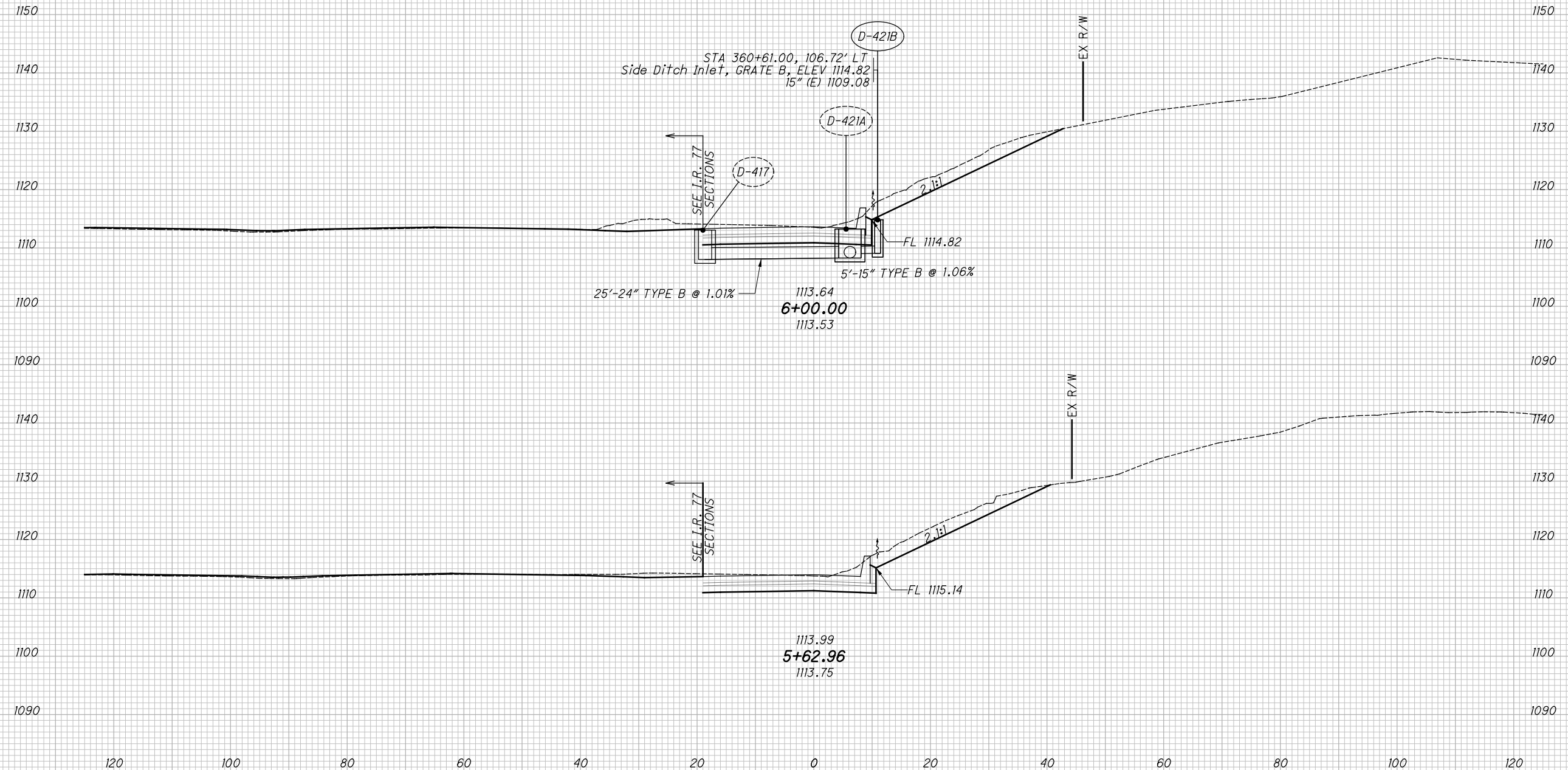
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XS01

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



CROSS SECTIONS - RAMP S8
STA. 5+62.96 TO STA. 6+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

211
298

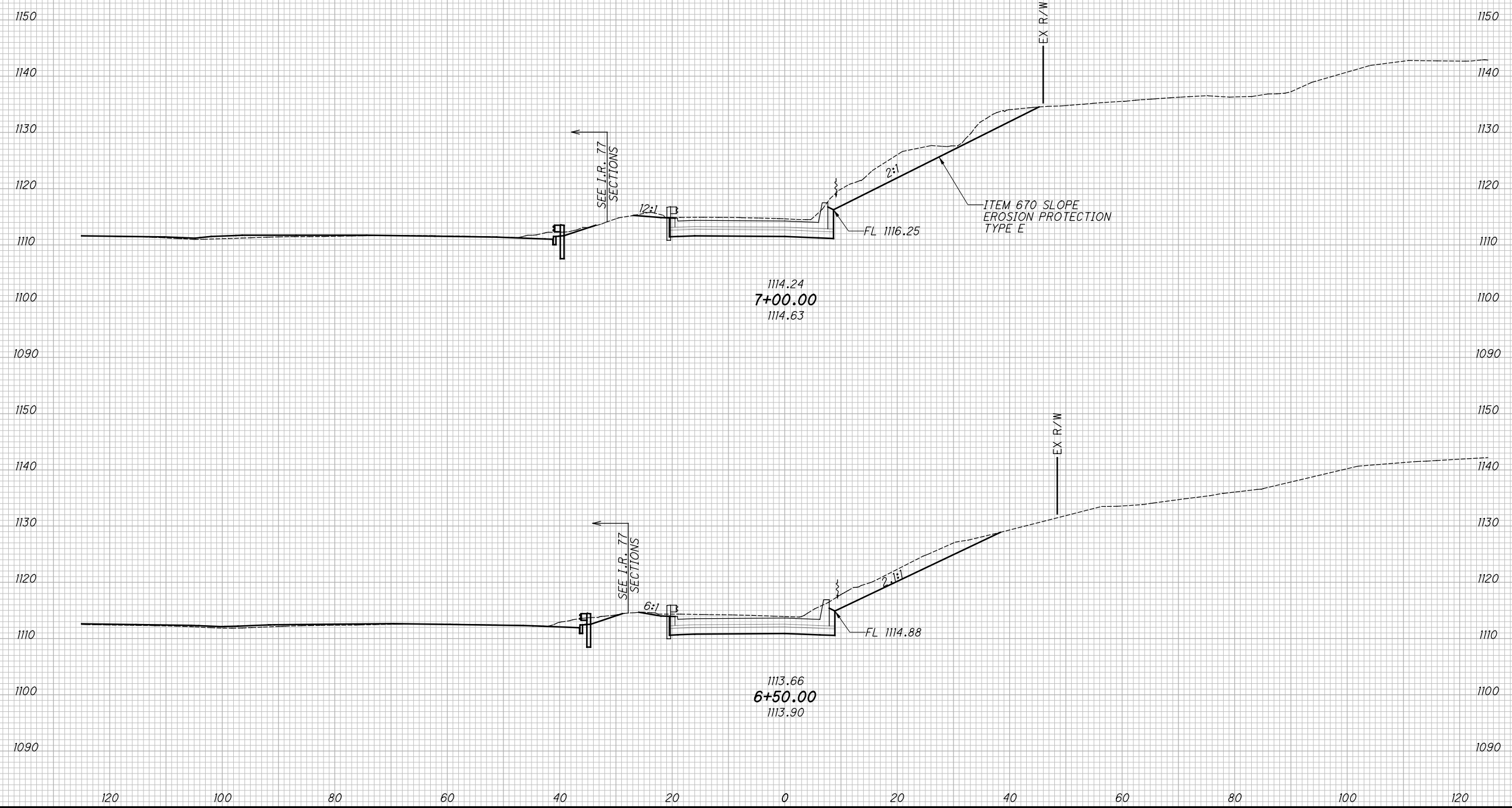
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XS502

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - RAMP S8
STA. 6+50.00 TO STA. 7+00.00

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

212
298

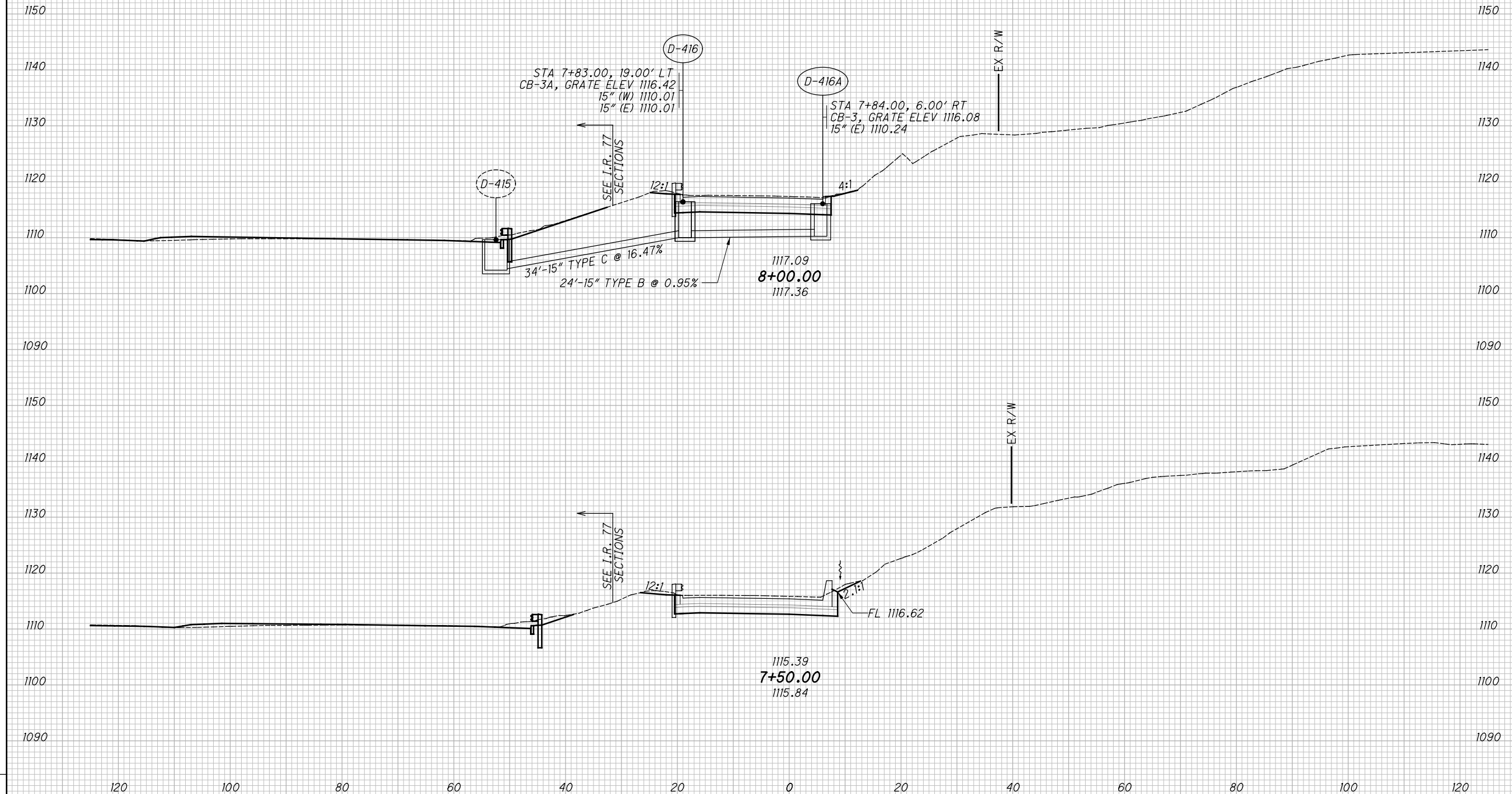
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XS503

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	001	Release for Construction
NO.	01	Tamas J Powell, PE
		03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
CROSS SECTIONS - RAMP S8
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

213
298

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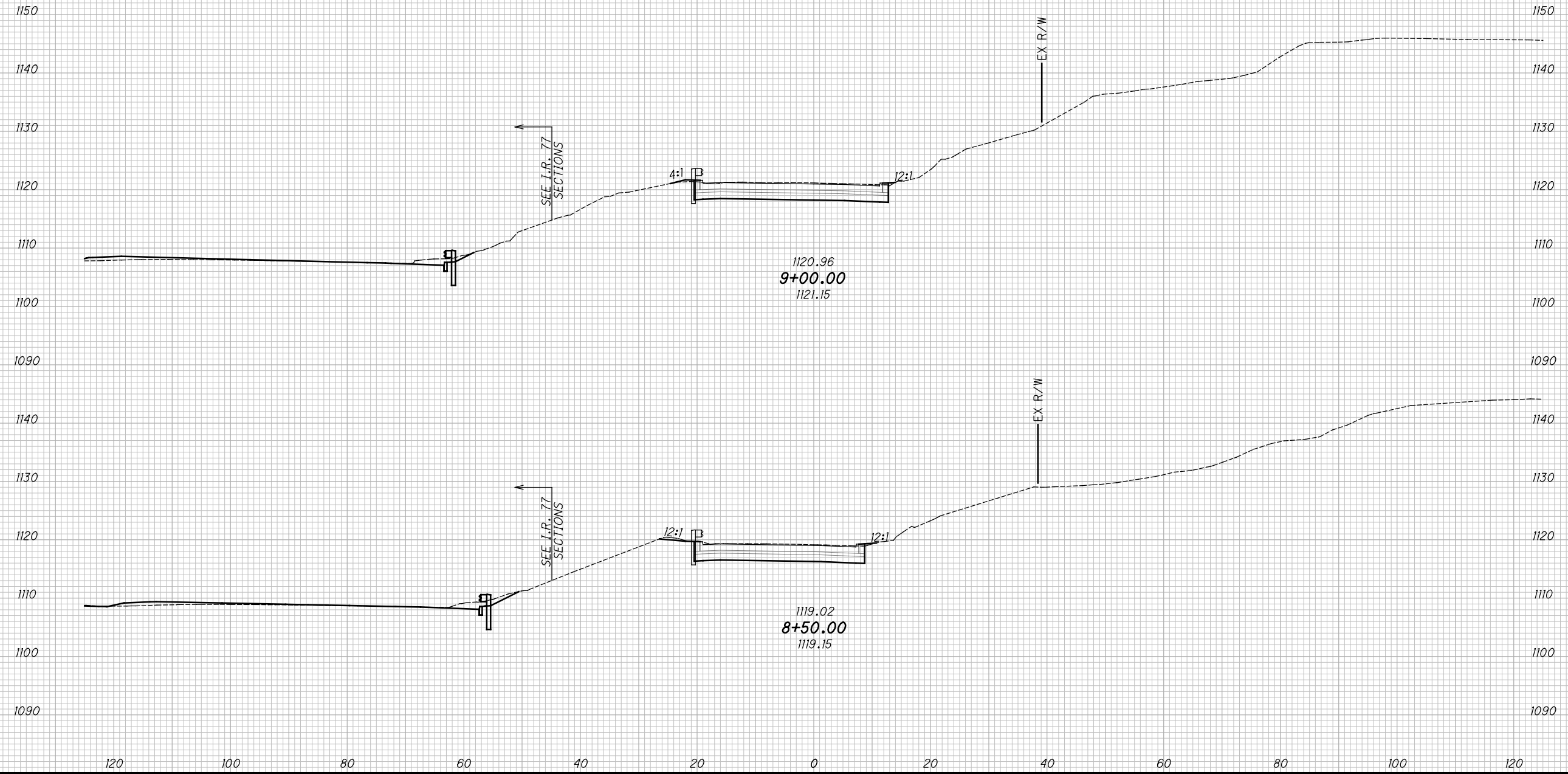
XS004

SEEDING	
END WIDTH	SO. YDS.

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ISSUE NO.	03/17/2022	DESCRIPTION

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		
2022-03-02-BU 34-RFC PLANS SUM - 76 / 77 / 8 - 8.24 / 9.74 / 0.00					
CROSS SECTIONS - RAMP S8 STA. 8+50.00 TO STA. 9+00.00					
214 298					



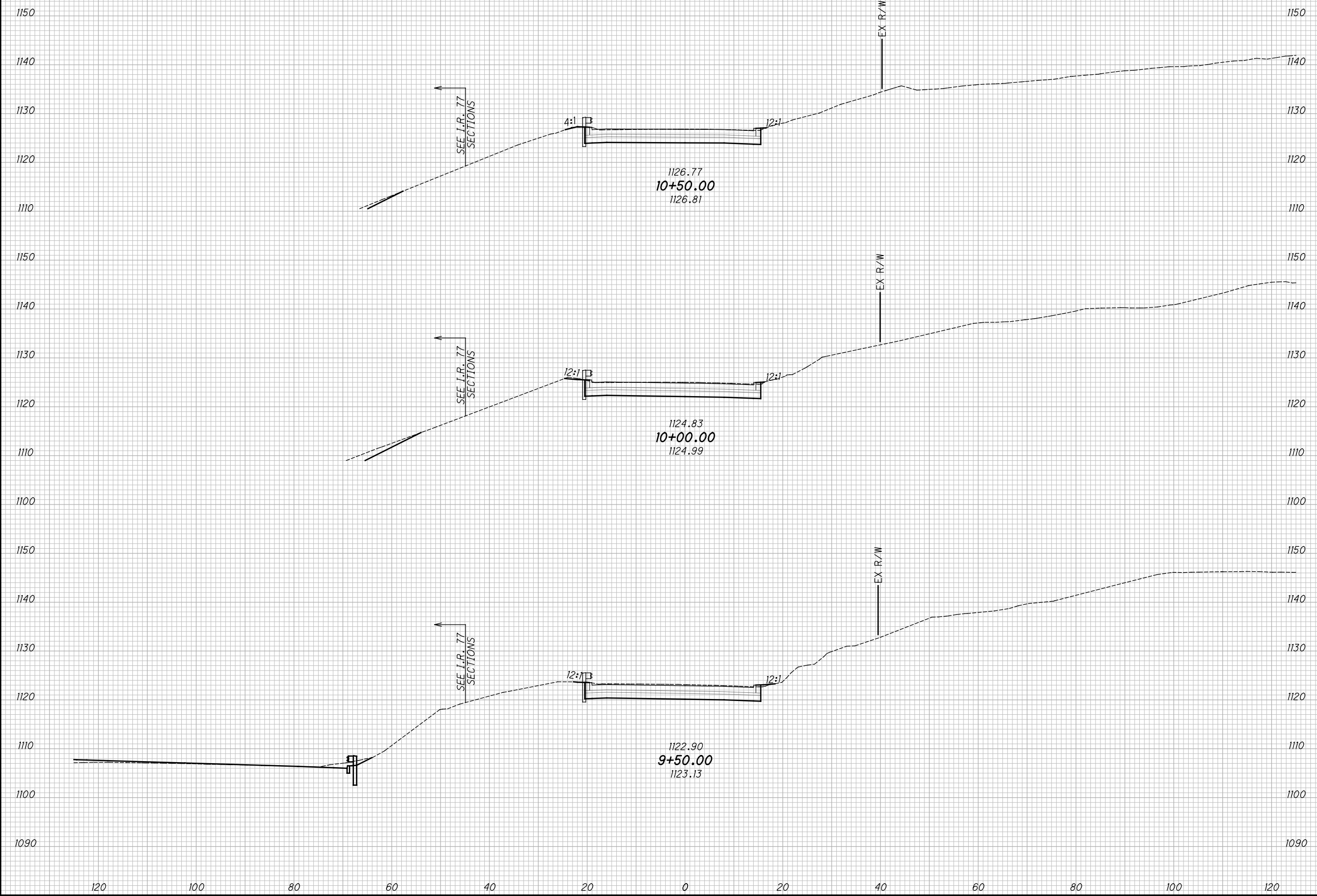
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XS005

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	03/17/2022	DESCRIPTION
01	03/17/2022	Construction
02		
03		
04		

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM
CROSS SECTIONS - RAMP S8									
STA. 9+50.00 TO STA. 10+50.00									
2022-03-02-BU 34-RFC PLANS									
SUM - 76 / 77 / 8 -									
8.24 / 9.74 / 0.00									
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215									
298									



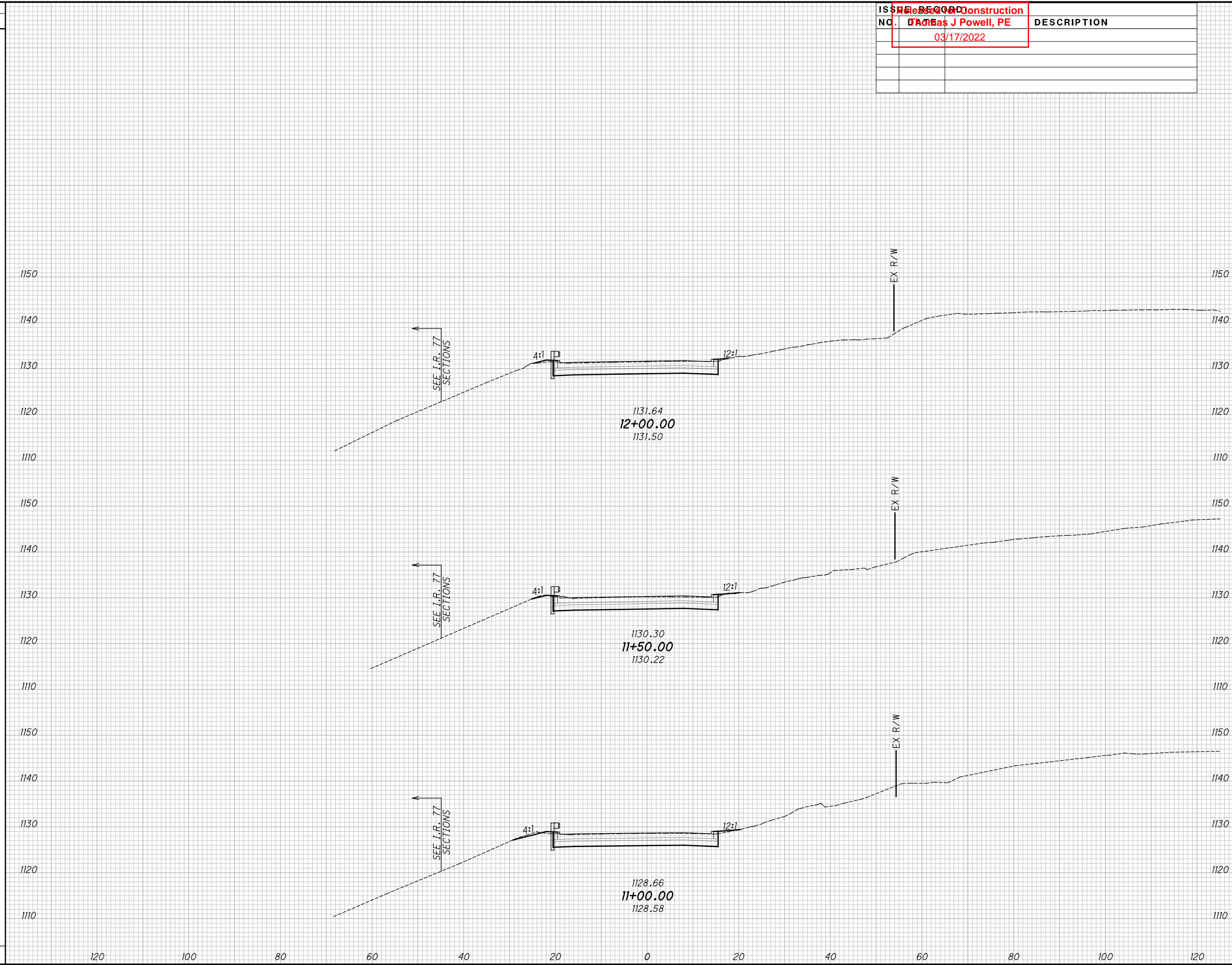
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SEEDING
END SO.
WIDTH YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM
CROSS SECTIONS - RAMP S8 STA. 11+00.00 TO STA. 12+00.00									
2022-03-02-BU 34-RFC PLANS SUM - 76 / 77 / 8 - 8.24 / 9.74 / 0.00									



216
298

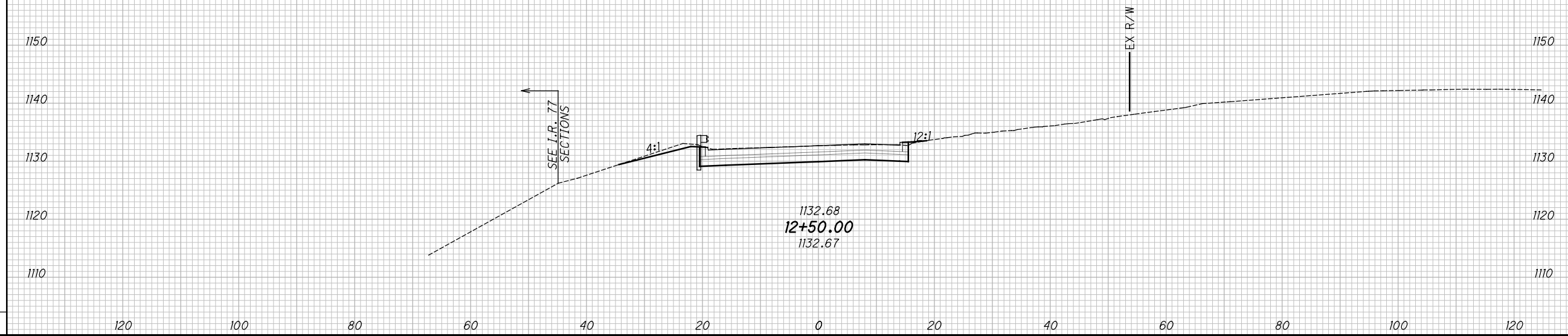
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XS005

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS

SUM - 76 / 77 / 8 -

8.24 / 9.74 / 0.00

CROSS SECTIONS - RAMP S8

STA. 12+50.00

217
298

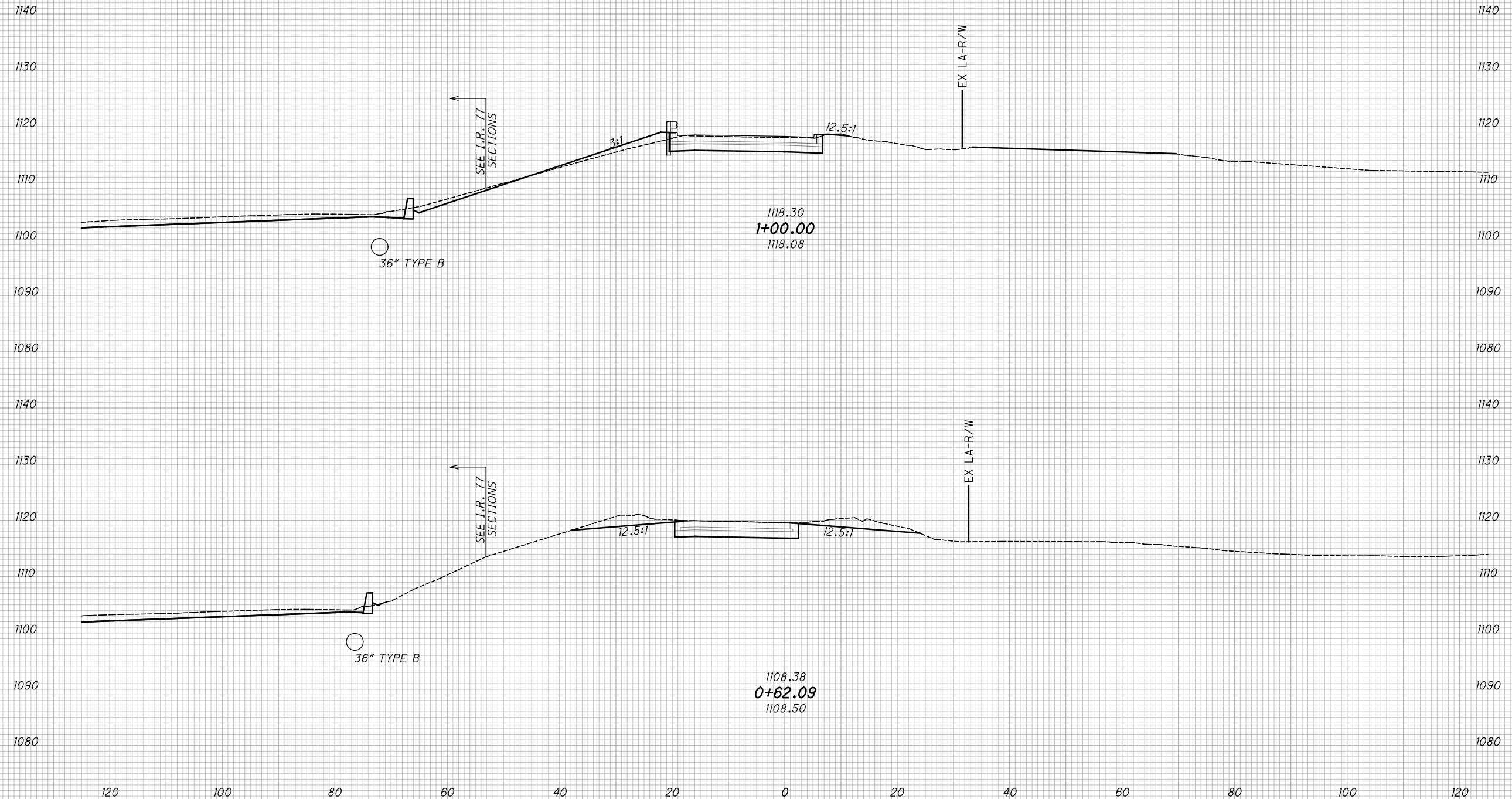
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Xs401

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - RAMP S7
STA. 0+62.09 TO STA. 1+00.00

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

218
 298

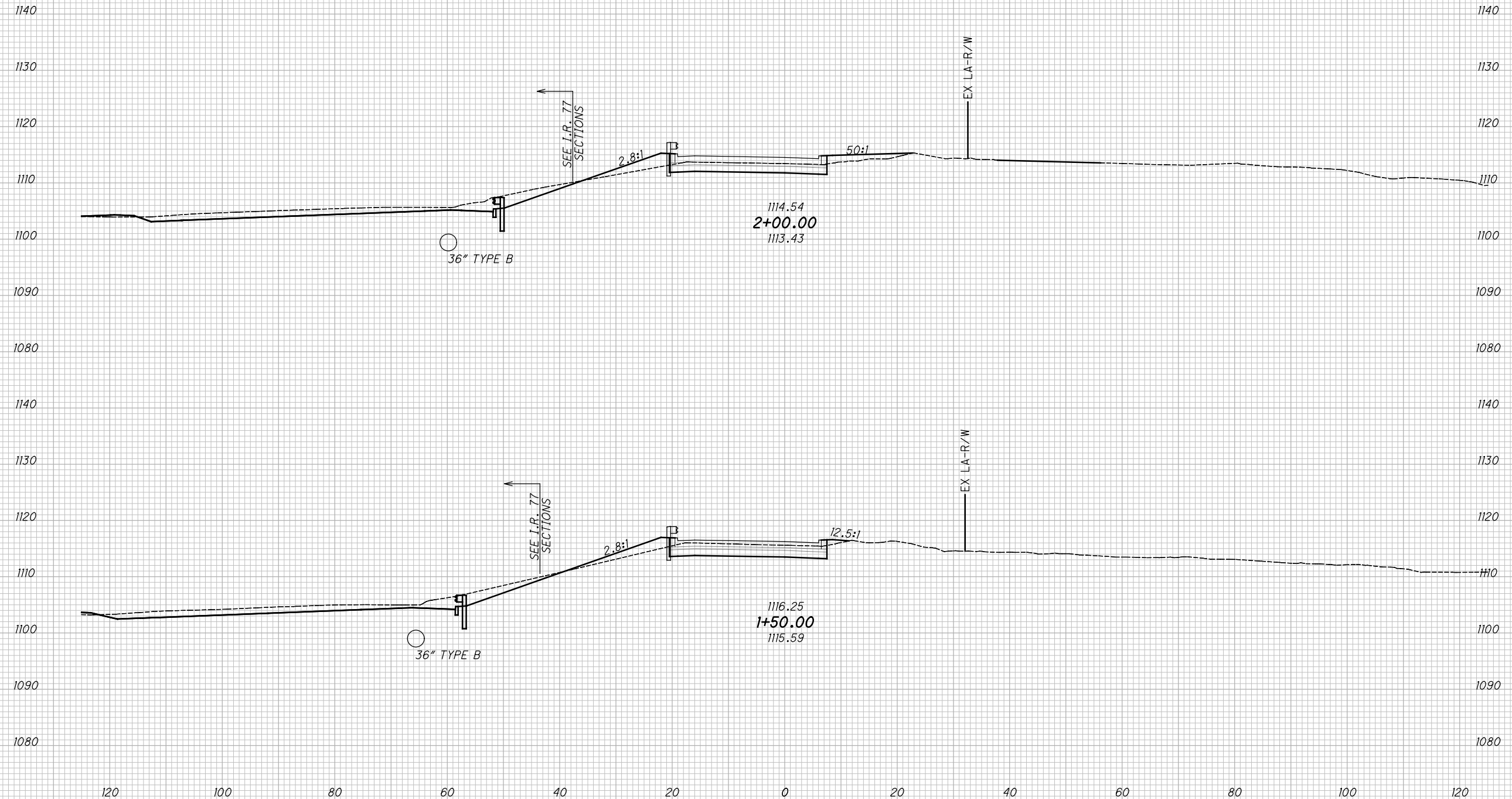
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xs402

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
1	Release for Construction Thomas J Powell, PE 03/17/2022

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - RAMP S7
STA. 1+50.00 TO STA. 2+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

219
298

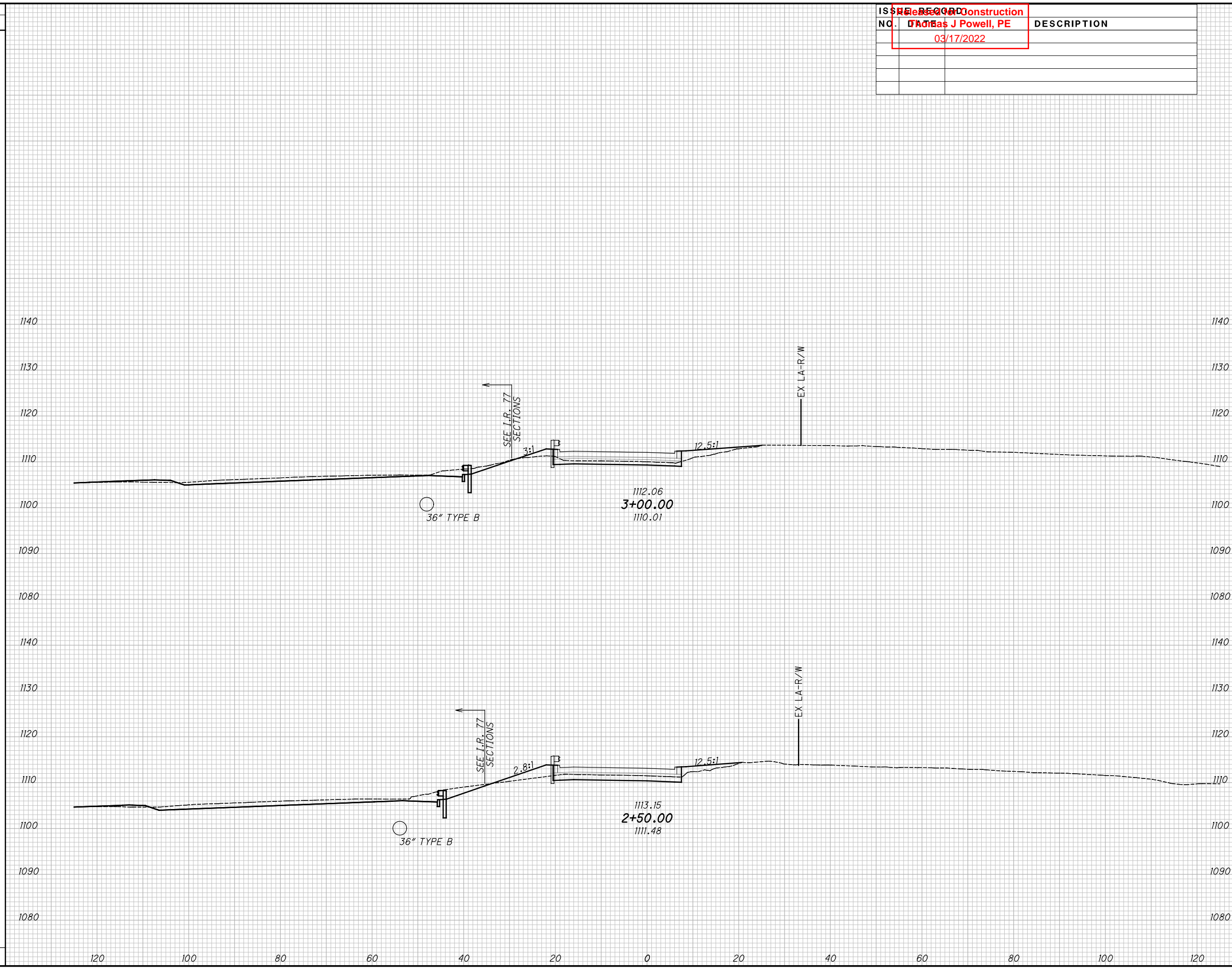
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
 CROSS SECTIONS - RAMP S7
 STA. 2+50.00 TO STA. 3+00.00

220
298

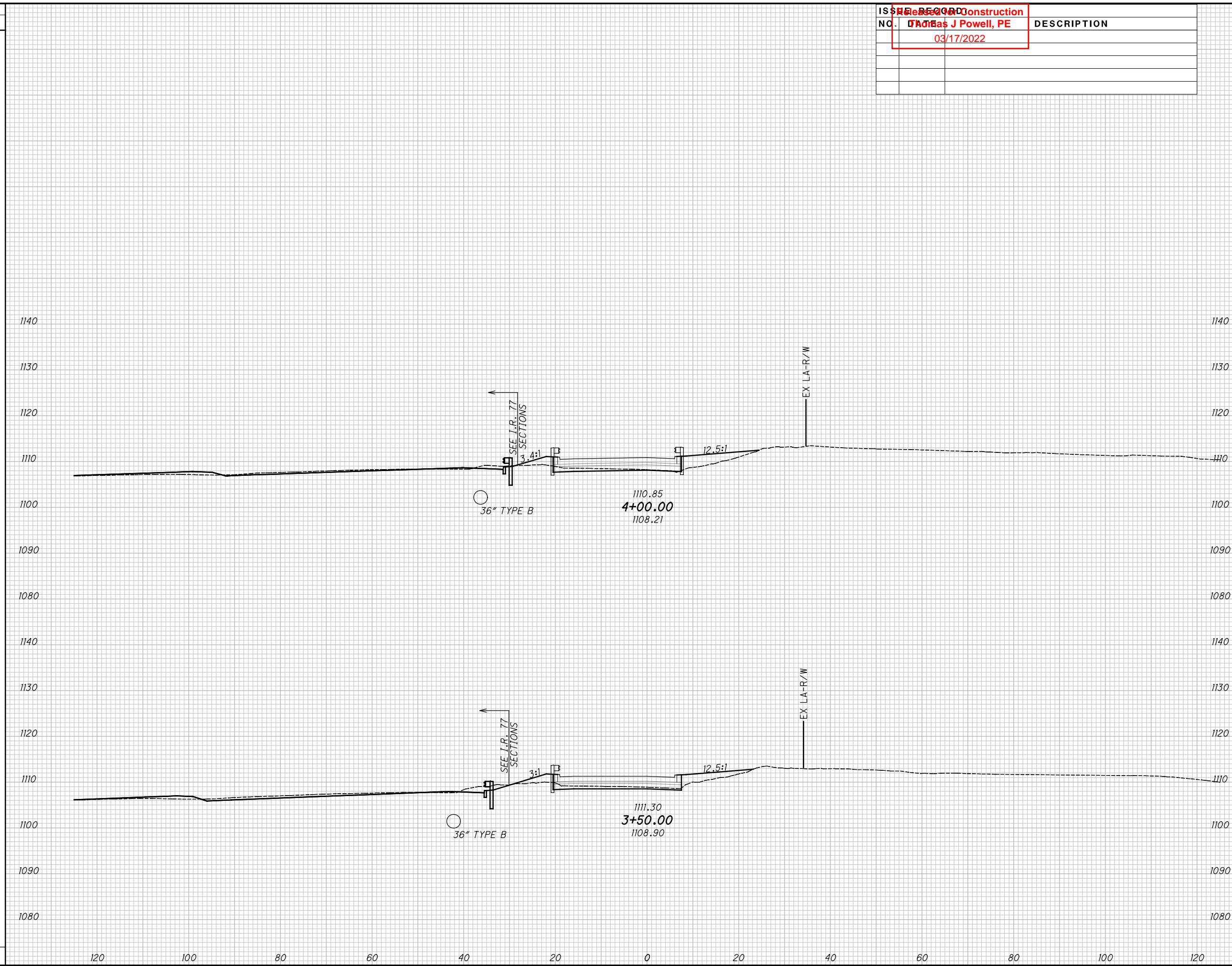
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XS404

SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - RAMP S7
STA. 3+50.00 TO STA. 4+00.00

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

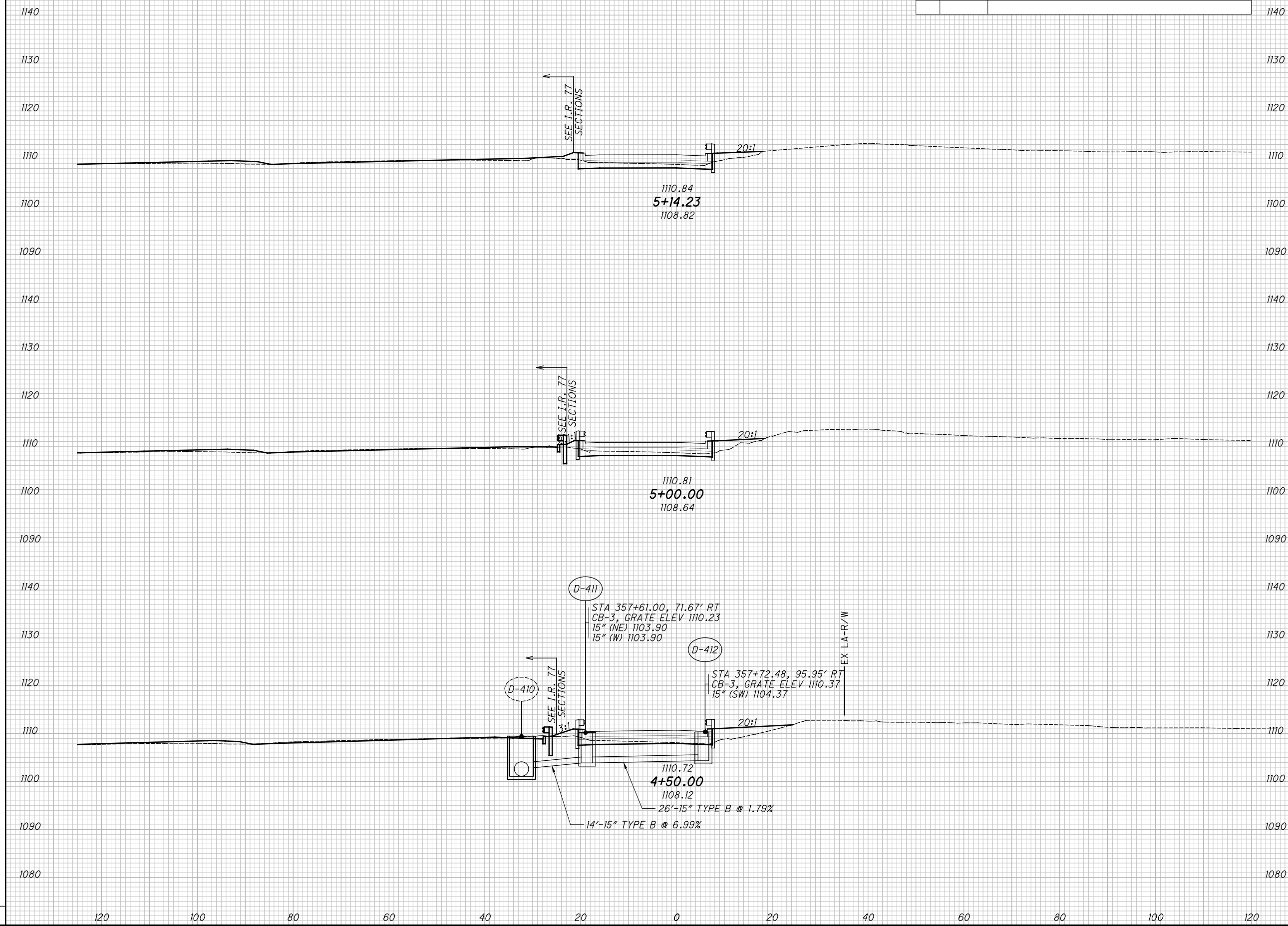
(221 / 298)

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00
 CROSS SECTIONS - RAMP S7
 STA. 4+50.00 TO STA. 5+13.23

222
298

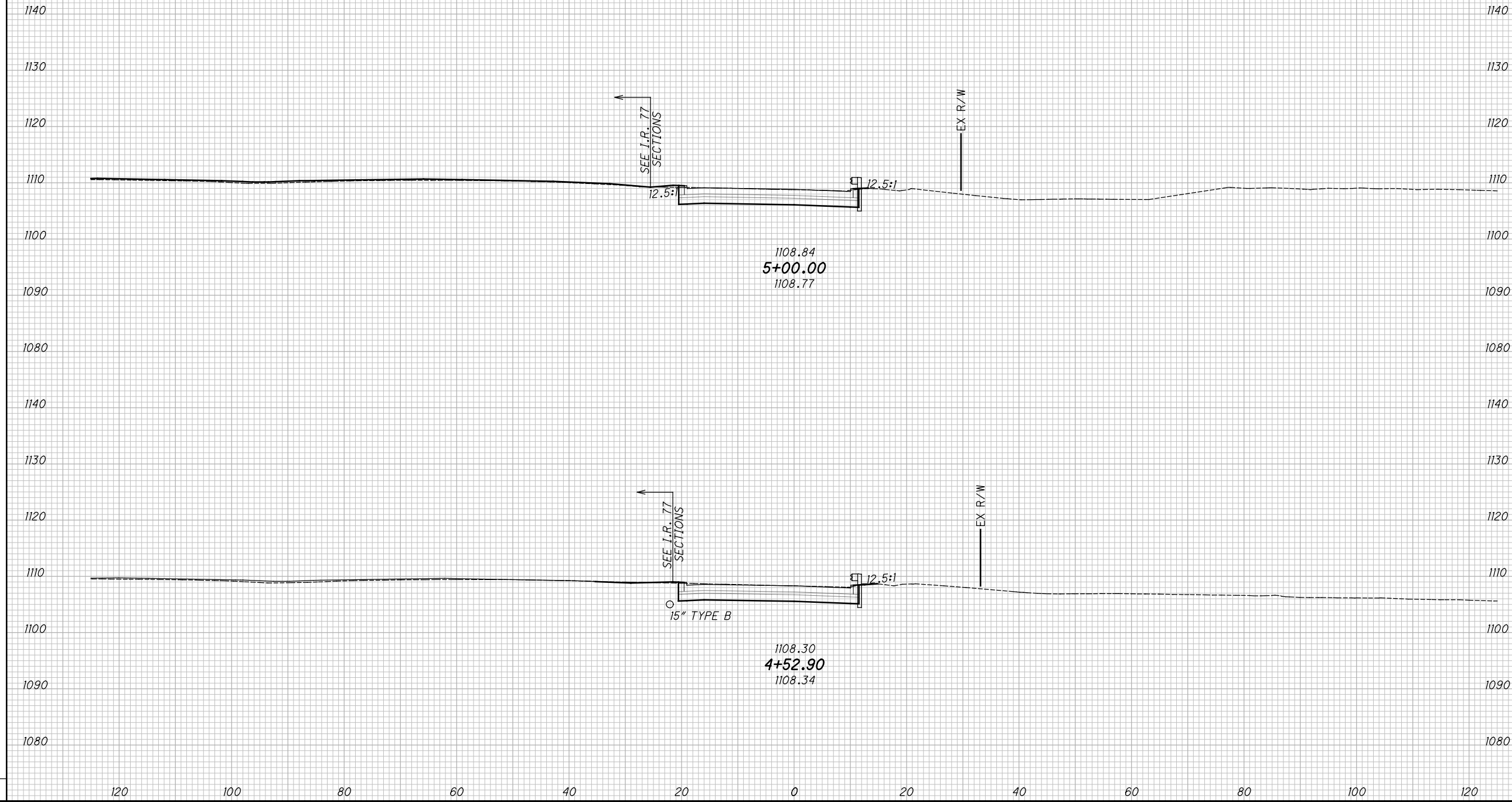
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X5301

SEEDING
END SO.
WIDTH YDS.

ISSUE RECORD		
NO.	DATE	DESCRIPTION
	03/17/2022	Construction

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS

SUM - 76 / 77 / 8 -

8.24 / 9.74 / 0.00

CROSS SECTIONS - RAMP S6

STA. 4+52.90 TO STA. 5+00.00

223
298

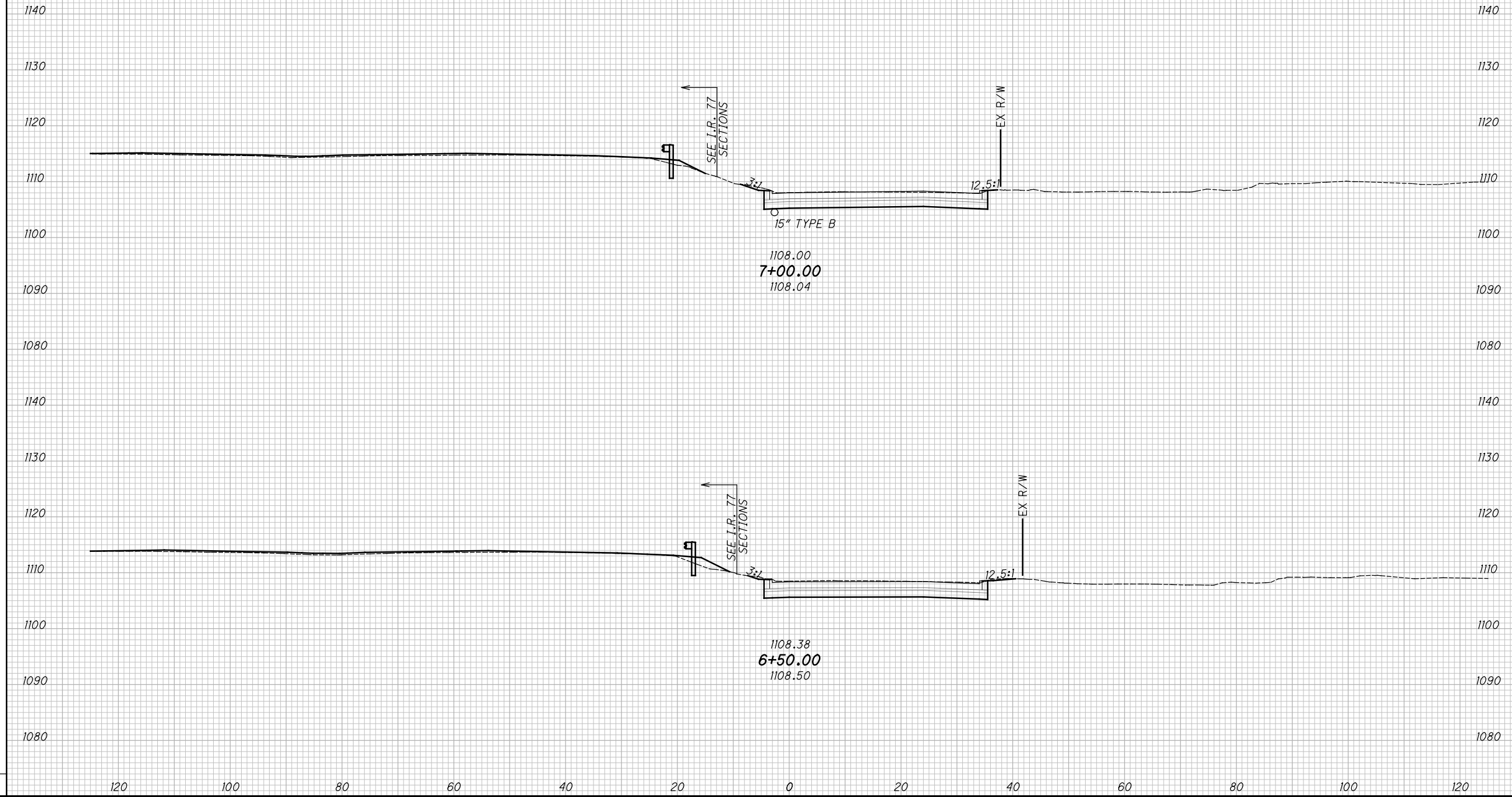
XS303

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JDD	JFM



CROSS SECTIONS - RAMP S6
STA. 6+50.00 TO STA. 7+00.00

2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

225
298

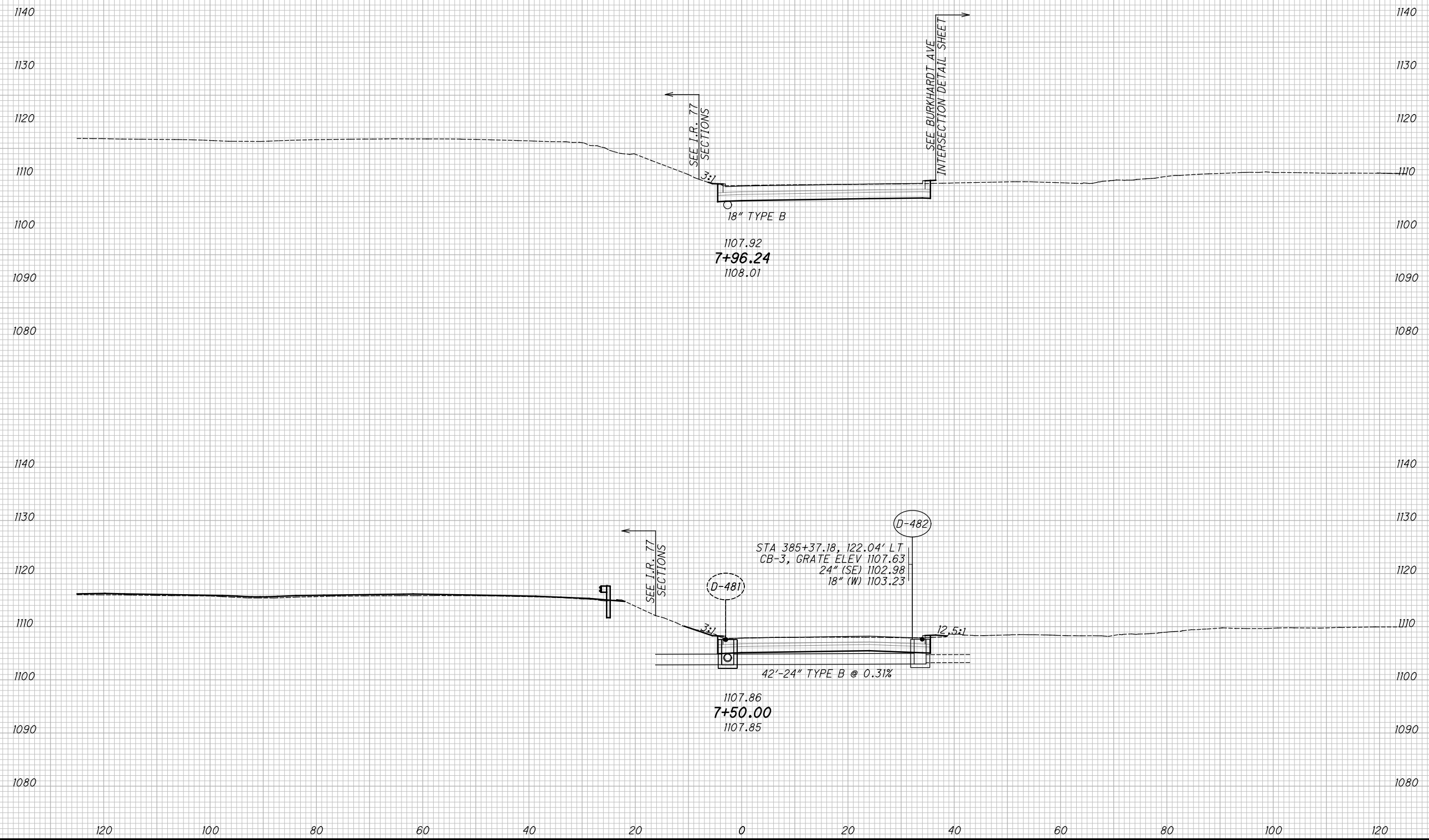
XS304

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - RAMP S6
STA. 7+50.00 TO STA. 7+96.24

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

226
298

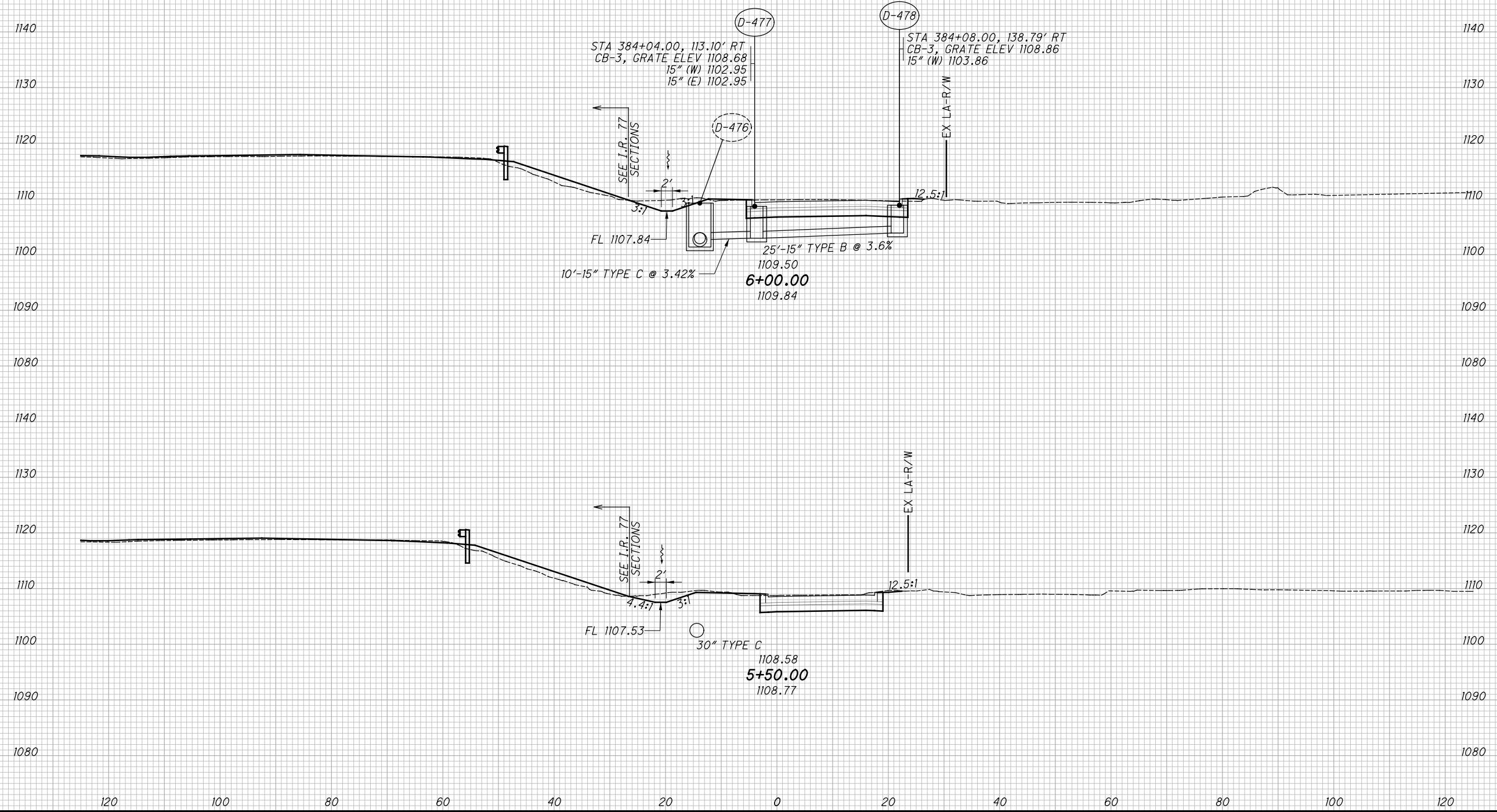
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION
01	Release for Construction
02	Thomas J Powell, PE
03	03/17/2022

END AREA	VOLUME	CALCULATED	CHECKED						
				CUT	FILL	CUT	FILL	JDD	JFM



2022-03-02-BU 34-RFC PLANS

CROSS SECTIONS - RAMP S5
STA. 5+50.00 TO STA. 6+00.00

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

228
298

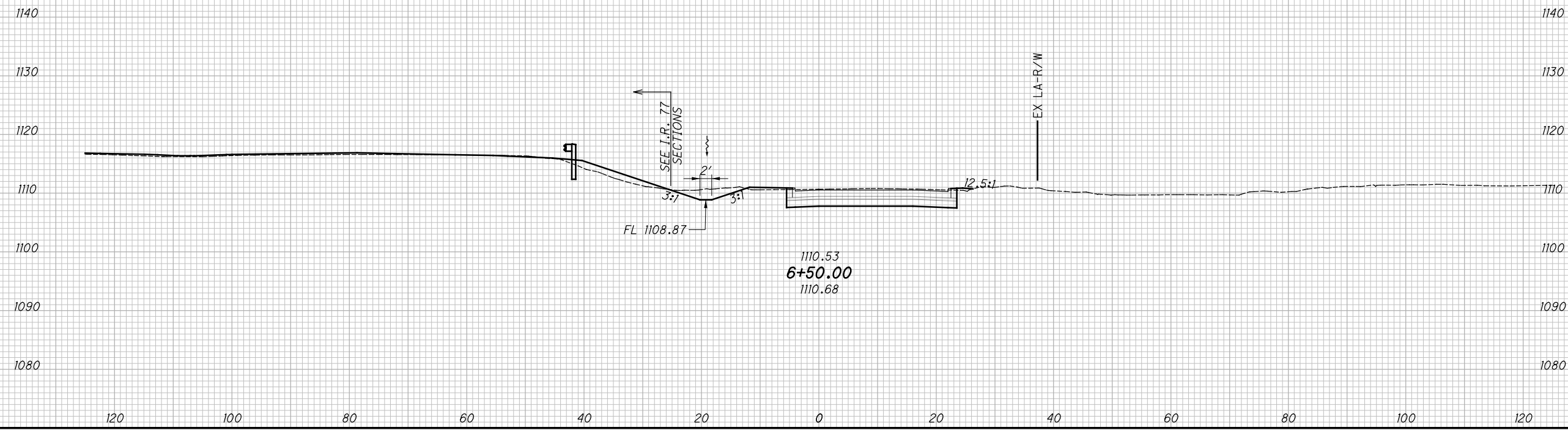
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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED JDD	CHECKED JFM
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00

CROSS SECTIONS - RAMP S5
 STA. 6+50.00

229
 298

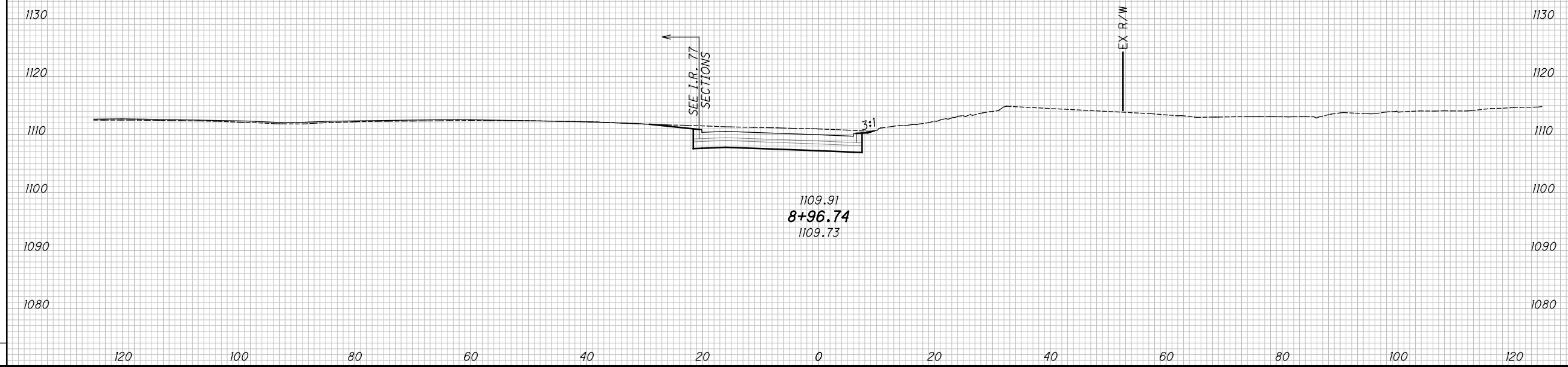
xs206

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SEEDING	
END WIDTH	SO. YDS.

ISSUE NO.	DESCRIPTION

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



2022-03-02-BU 34-RFC PLANS
SUM - 76 / 77 / 8 -
8.24 / 9.74 / 0.00

CROSS SECTIONS - RAMP S5
STA. 8+96.74

232
298

Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
 SGM
 CHECKED
 CF

CURVE 41 - I.R. 77 (NB) SUPERELEVATION TABLE													
P. I. Station 517+22.20							Dc = 2°30'00"						
CENTERLINE STATION	PROFILE GRADE		CROWN					OUTSIDE EDGE OF TRAVEL WAY					REMARKS
	ELEVATION	OFFSET	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	
521+25.00	1062.14	0.00	1060.20		-1.94	-0.0810	24.00	1058.26		-1.94	-0.0810	24.00	
521+43.63	1062.57	0.00	1060.63	444:1	-1.94	-0.0810	24.00	1058.69	222:1	-1.94	-0.0810	24.00	FS
521+50.00	1062.72	0.00	1060.79	444:1	-1.93	-0.0804	24.00	1058.86	222:1	-1.93	-0.0804	24.00	
521+75.00	1063.30	0.00	1061.42	444:1	-1.87	-0.0781	24.00	1059.55	222:1	-1.87	-0.0781	24.00	
522+00.00	1063.87	0.00	1062.06	444:1	-1.82	-0.0757	24.00	1060.24	222:1	-1.82	-0.0757	24.00	
522+25.00	1064.45	0.00	1062.69	444:1	-1.76	-0.0734	24.00	1060.93	222:1	-1.76	-0.0734	24.00	
522+50.00	1065.02	0.00	1063.32	444:1	-1.70	-0.0710	24.00	1061.62	222:1	-1.70	-0.0710	24.00	
522+75.00	1065.60	0.00	1063.95	444:1	-1.65	-0.0687	24.00	1062.30	222:1	-1.65	-0.0687	24.00	
523+00.00	1066.18	0.00	1064.58	444:1	-1.59	-0.0663	24.00	1062.99	222:1	-1.59	-0.0663	24.00	
523+25.00	1066.75	0.00	1065.22	444:1	-1.54	-0.0640	24.00	1063.68	222:1	-1.54	-0.0640	24.00	
523+44.42	1067.20	0.00	1065.71	444:1	-1.49	-0.0622	24.00	1064.22	222:1	-1.49	-0.0622	24.00	CS
523+50.00	1067.33	0.00	1065.85	444:1	-1.48	-0.0616	24.00	1064.37	222:1	-1.48	-0.0616	24.00	
523+75.00	1067.89	0.00	1066.47	444:1	-1.42	-0.0593	24.00	1065.05	222:1	-1.42	-0.0593	24.00	
524+00.00	1068.45	0.00	1067.09	444:1	-1.37	-0.0569	24.00	1065.72	222:1	-1.37	-0.0569	24.00	
524+25.00	1069.01	0.00	1067.70	444:1	-1.31	-0.0546	24.00	1066.39	222:1	-1.31	-0.0546	24.00	
524+50.00	1069.57	0.00	1068.32	444:1	-1.25	-0.0522	24.00	1067.06	222:1	-1.25	-0.0522	24.00	
524+75.00	1070.15	0.00	1068.95	444:1	-1.20	-0.0499	24.00	1067.76	222:1	-1.20	-0.0499	24.00	
525+00.00	1070.75	0.00	1069.61	444:1	-1.14	-0.0476	24.00	1068.47	222:1	-1.14	-0.0476	24.00	
525+25.00	1071.35	0.00	1070.26	444:1	-1.08	-0.0452	24.00	1069.18	222:1	-1.08	-0.0452	24.00	
525+50.00	1071.95	0.00	1070.92	444:1	-1.03	-0.0429	24.00	1069.89	222:1	-1.03	-0.0429	24.00	
525+75.00	1072.55	0.00	1071.57	444:1	-0.97	-0.0405	24.00	1070.60	222:1	-0.97	-0.0405	24.00	
526+00.00	1073.14	0.00	1072.23	444:1	-0.92	-0.0382	24.00	1071.31	222:1	-0.92	-0.0382	24.00	
526+25.00	1073.74	0.00	1072.88	444:1	-0.86	-0.0358	24.00	1072.02	222:1	-0.86	-0.0358	24.00	
526+50.00	1074.34	0.00	1073.54	444:1	-0.80	-0.0335	24.00	1072.73	222:1	-0.80	-0.0335	24.00	
526+75.00	1074.94	0.00	1074.19	444:1	-0.75	-0.0311	24.00	1073.45	222:1	-0.75	-0.0311	24.00	
527+00.00	1075.54	0.00	1074.85	444:1	-0.69	-0.0288	24.00	1074.16	222:1	-0.69	-0.0288	24.00	
527+25.00	1076.14	0.00	1075.50	444:1	-0.63	-0.0264	24.00	1074.87	222:1	-0.63	-0.0264	24.00	
527+44.42	1076.60	0.00	1076.01		-0.59	-0.0246	24.00	1075.42		-0.59	-0.0246	24.00	ST
527+44.42 I.R. 77 NORTHBOUND = 324+94.56 I.R.77													
324+94.56	1076.60	10.13	1076.01	445:1	-0.59	-0.0246	24.00	1075.42	222:1	-0.59	-0.0246	24.00	
325+00.00	1076.73	10.08	1076.15	447:1	-0.58	-0.0241	23.97	1075.58	223:1	-0.58	-0.0241	23.99	
325+25.00	1077.33	9.87	1076.81	450:1	-0.52	-0.0218	23.84	1076.29	224:1	-0.52	-0.0218	23.92	
325+50.00	1077.93	9.65	1077.47	452:1	-0.46	-0.0194	23.70	1077.01	225:1	-0.46	-0.0194	23.85	
325+75.00	1078.53	9.44	1078.13	453:1	-0.40	-0.0171	23.57	1077.72	225:1	-0.41	-0.0171	23.79	
325+86.41	1078.81	9.34	1078.43	227:1	-0.38	-0.0160	23.51	1078.05		-0.38	-0.0160	23.76	RC
326+00.00	1079.13	9.22	1078.82	229:1	-0.32	-0.0135	23.44	1078.44		-0.38	-0.0160	23.72	
326+25.00	1079.73	9.01	1079.53	230:1	-0.20	-0.0088	23.30	1079.15		-0.38	-0.0160	23.65	
326+50.00	1080.33	8.79	1080.24	231:1	-0.09	-0.0041	23.17	1079.86		-0.38	-0.0160	23.59	
326+71.66	1080.85	8.60	1080.85	231:1	0.00	0.0000	23.06	1080.47		-0.38	-0.0160	23.53	HF
326+75.00	1080.93	8.58	1080.95	233:1	+0.01	+0.0006	23.04	1080.57		-0.38	-0.0160	23.52	
327+00.00	1081.53	8.36	1081.65	234:1	+0.12	+0.0053	22.90	1081.28		-0.38	-0.0160	23.45	
327+25.00	1082.13	8.15	1082.36	235:1	+0.23	+0.0100	22.77	1081.98		-0.37	-0.0160	23.39	
327+50.00	1082.73	7.93	1083.06	236:1	+0.33	+0.0147	22.64	1082.69		-0.37	-0.0160	23.32	
327+56.91	1082.90	7.87	1083.26		+0.36	+0.0160	22.60	1082.88		-0.37	-0.0160	23.30	NC
327+75.00	1083.33	7.71	1083.69		+0.36	+0.0160	22.50	1083.32		-0.37	-0.0160	23.25	

- NOTES:
- THE EXISTING AND DESIGN FULL SUPERELEVATION IS 0.081, REQUIRED DESIGN FULL SUPERELEVATION IS 0.051 FOR THE GIVEN CURVE RADIUS AT 60 MPH.
 - THE EXISTING 400FT SPIRAL CURVE LENGTH IS NOT LONG ENOUGH TO TRANSITION FROM FULL SUPER TO HALF FLAT AT A TRANSITION RATE OF 222 OR FLATTER. THE START OF THE TRANSITION HAS BEEN ADJUSTED SO THAT AT THE SPIRAL TO TANGENT (ST) POINT IS APPROXIMATELY AT THE EXISTING SUPERELEVATION OF 0.0246. THE RESULTING SUPERELEVATION AT THE CURVE TO SPIRAL (CS) POINT IS GREATER THAN THE REQUIRED DESIGN FULL SUPERELEVATION FOR 60MPH.
 - THE TRANSITION EXTENDS BEYOND THE LIMITS OF THE I.R. 77 SOUTHBOUND ALIGNMENT. THE TRANSITION IS CONTROLLED BY THE I.R. 77 ALIGNMENT. THIS LOCATION HAS BEEN IDENTIFIED IN THE TABLE.
 - THE VARYING TRANSITION RATES SHOWN IN THE TABLE ARE DUE TO THE VARYING WIDTHS OF THE ROTATED POINTS OF THE ROADWAY. THE DESIGN CALCULATIONS USED AN ASSUMED CONSTANT ROTATED WIDTH OF 24FT FOR THE CROWN AND 24FT FOR THE OUTSIDE EDGE OF TRAVEL WAY.

SUPERELEVATION TABLE - I.R. 77 NORTHBOUND

2022-03-02-BU 34-RFC PLANS
 SUM - 76 / 77 / 8 -
 8.24 / 9.74 / 0.00

Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
 SGM
 CHECKED
 GF

CURVE 42 - I.R. 77(SB) SUPERELEVATION TABLE													
P. I. Station 514+77.98						Dc = 2°00'00"							
REMARKS	OUTSIDE EDGE OF TRAVELWAY					CROWN					PROFILE GRADE		CENTERLINE STATION
	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET	ELEVATION	
	1062.99		+1.54	+0.0640	24.00	1061.46		+1.54	+0.0640	24.00	0.00	1059.92	520+75.00
FS	1063.55	225:1	+1.54	+0.0640	24.00	1062.02	450:1	+1.54	+0.0640	24.00	0.00	1060.48	520+96.17
	1063.63	225:1	+1.53	+0.0637	24.00	1062.11	450:1	+1.53	+0.0637	24.00	0.00	1060.58	521+00.00
	1064.18	225:1	+1.47	+0.0613	24.00	1062.70	450:1	+1.47	+0.0613	24.00	0.00	1061.23	521+25.00
	1064.72	225:1	+1.42	+0.0590	24.00	1063.30	450:1	+1.42	+0.0590	24.00	0.00	1061.89	521+50.00
	1065.26	225:1	+1.36	+0.0567	24.00	1063.90	450:1	+1.36	+0.0567	24.00	0.00	1062.54	521+75.00
	1065.80	225:1	+1.31	+0.0544	24.00	1064.50	450:1	+1.31	+0.0544	24.00	0.00	1063.19	522+00.00
	1066.31	225:1	+1.25	+0.0521	24.00	1065.06	450:1	+1.25	+0.0521	24.00	0.00	1063.81	522+25.00
	1066.82	225:1	+1.19	+0.0498	24.00	1065.63	450:1	+1.19	+0.0498	24.00	0.00	1064.44	522+50.00
	1067.33	225:1	+1.14	+0.0474	24.00	1066.20	450:1	+1.14	+0.0474	24.00	0.00	1065.06	522+75.00
	1067.85	225:1	+1.08	+0.0451	24.00	1066.76	450:1	+1.08	+0.0451	24.00	0.00	1065.68	523+00.00
CS	1067.88	225:1	+1.08	+0.0450	24.00	1066.80	450:1	+1.08	+0.0450	24.00	0.00	1065.72	523+01.37
	1068.40	225:1	+1.03	+0.0428	24.00	1067.37	450:1	+1.03	+0.0428	24.00	0.00	1066.34	523+25.00
	1068.95	225:1	+0.97	+0.0405	24.00	1067.98	450:1	+0.97	+0.0405	24.00	0.00	1067.01	523+50.00
	1069.51	225:1	+0.92	+0.0382	24.00	1068.59	450:1	+0.92	+0.0382	24.00	0.00	1067.67	523+75.00
	1070.06	225:1	+0.86	+0.0359	24.00	1069.20	450:1	+0.86	+0.0359	24.00	0.00	1068.34	524+00.00
	1070.61	225:1	+0.81	+0.0336	24.00	1069.81	450:1	+0.81	+0.0336	24.00	0.00	1069.00	524+25.00
	1071.17	225:1	+0.75	+0.0313	24.00	1070.42	450:1	+0.75	+0.0313	24.00	0.00	1069.67	524+50.00
	1071.71	225:1	+0.69	+0.0289	24.00	1071.02	450:1	+0.69	+0.0289	24.00	0.00	1070.32	524+75.00
	1072.25	225:1	+0.64	+0.0266	24.00	1071.61	450:1	+0.64	+0.0266	24.00	0.00	1070.97	525+00.00
	1072.78	225:1	+0.58	+0.0243	24.00	1072.19	450:1	+0.58	+0.0243	24.00	0.00	1071.61	525+25.00
	1073.29	225:1	+0.53	+0.0220	24.00	1072.77	450:1	+0.53	+0.0220	24.00	0.00	1072.24	525+50.00
	1073.80	225:1	+0.47	+0.0197	24.00	1073.33	450:1	+0.47	+0.0197	24.00	0.00	1072.86	525+75.00
	1074.30	225:1	+0.42	+0.0174	24.00	1073.88	450:1	+0.42	+0.0174	24.00	0.00	1073.47	526+00.00
RC	1074.59	225:1	+0.38	+0.0160	24.00	1074.21		+0.38	+0.0160	24.00	0.00	1073.82	526+14.88
	1074.79	225:1	+0.34	+0.0141	24.00	1074.45		+0.38	+0.0160	24.00	0.00	1074.07	526+25.00
	1075.27	225:1	+0.23	+0.0095	24.00	1075.04		+0.38	+0.0160	24.00	0.00	1074.66	526+50.00
	1075.74	225:1	+0.12	+0.0049	24.00	1075.63		+0.38	+0.0160	24.00	0.00	1075.24	526+75.00
	1076.22	225:1	+0.01	+0.0003	24.00	1076.21		+0.38	+0.0160	24.00	0.00	1075.83	527+00.00
ST/HF	1076.25	226:1	0.00	0.0000	24.00	1076.25		+0.38	+0.0160	24.00	0.00	1075.86	527+01.37
	1076.69	226:1	-0.10	-0.0044	23.93	1076.80		+0.38	+0.0160	23.66	0.00	1076.42	527+25.00
	1076.91		-0.16	-0.0065	23.90	1077.07		+0.38	+0.0160	23.50	0.00	1076.69	527+36.62
527+36.62 I.R. 77 SOUTHBOUND = 324+94.56 I.R.77													
	1076.91	226:1	-0.16	-0.0065	23.91	1077.07		+0.38	+0.0160	23.49	9.91' LT	1076.69	324+94.56
	1077.02	227:1	-0.18	-0.0075	23.89	1077.20		+0.38	+0.0160	23.47	9.86' LT	1076.83	325+00.00
	1077.55	227:1	-0.29	-0.0121	23.82	1077.84		+0.37	+0.0160	23.35	9.63' LT	1077.47	325+25.00
NC	1077.99		-0.38	-0.0160	23.77	1078.37		+0.37	+0.0160	23.25	9.43' LT	1078.00	325+45.86
	1078.10		-0.38	-0.0160	23.75	1078.48		+0.37	+0.0160	23.24	9.40' LT	1078.10	325+50.00

- NOTES:
- THE EXISTING AND DESIGN FULL SUPERELEVATION IS 0.064, REQUIRED DESIGN FULL SUPERELEVATION IS 0.045 FOR THE GIVEN CURVE RADIUS AT 60 MPH.
 - THE EXISTING 400FT SPIRAL CURVE LENGTH IS NOT LONG ENOUGH TO TRANSITION FROM FULL SUPER TO HALF FLAT AT A TRANSITION RATE OF 222 OR FLATTER. THE START OF THE TRANSITION HAS BEEN ADJUSTED SO THAT AT THE CURVE TO SPIRAL (CS) IS AT THE REQUIRED DESIGN SUPERELEVATION FOR 60MPH.
 - THE TRANSITION EXTENDS BEYOND THE LIMITS OF THE I.R. 77 SOUTHBOUND ALIGNMENT. THE TRANSITION IS CONTROLLED BY THE I.R. 77 ALIGNMENT. THIS LOCATION HAS BEEN IDENTIFIED IN THE TABLE.
 - THE VARYING TRANSITION RATES SHOWN IN THE TABLE ARE DUE TO THE VARYING WIDTHS OF THE ROTATED POINTS OF THE ROADWAY. THE DESIGN CALCULATIONS USED AN ASSUMED CONSTANT ROTATED WIDTH OF 24FT FOR THE CROWN AND 24FT FOR THE OUTSIDE EDGE OF TRAVEL WAY.

SUPERELEVATION TABLE - I.R. 77 SOUTHBOUND

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

NOTE:
1. THE DESIGN CALCULATIONS USED A 222 TRANSITION RATE AND ASSUMED A MINIMUM LANE WIDTH OF 12FT RESULTING IN A 24FT CROWN WIDTH AND A 24FT OUTSIDE EDGE OF TRAVEL WAY WIDTH. THE ACTUAL WIDTHS AS SHOWN IN THE TABLE ARE SMALLER AND RESULT IN SLIGHTLY LARGER TRANSITION RATES.

CURVE 46 - I.R. 77 SUPERELEVATION TABLE

P. I. Station 355+29.94 Dc = 1°28'15"

REMARKS	SOUTHBOUND (LT) OUTSIDE EDGE OF TRAVEL WAY					SOUTHBOUND (LT) CROWN					SOUTHBOUND (LT) PGL		CENTERLINE STATION	NORTHBOUND (RT) PGL		NORTHBOUND (RT) CROWN					NORTHBOUND (RT) OUTSIDE EDGE OF TRAVEL WAY					REMARKS
	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET	ELEVATION		ELEVATION	OFFSET	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	
NC	1106.44		-0.37	-0.0160	23.00	1106.81		+0.35	+0.0160	22.00	6.90' LT	1106.46	349+75.00	1105.54	6.90' RT	1105.90		+0.35	+0.0160	22.00	1105.53		-0.37	-0.0160	23.00	NC
	1106.15		-0.37	-0.0160	23.00	1106.52	242:1	+0.35	+0.0160	22.00	6.90' LT	1106.17	349+91.07	1105.26	6.90' RT	1105.61		+0.35	+0.0160	22.00	1105.24	232:1	-0.37	-0.0160	23.00	NC
	1105.96		-0.37	-0.0160	23.00	1106.32	242:1	+0.32	+0.0143	22.00	6.90' LT	1106.01	350+00.00	1105.10	6.90' RT	1105.45		+0.35	+0.0160	22.00	1105.12	232:1	-0.33	-0.0143	23.00	
	1105.47		-0.37	-0.0160	23.00	1105.83	242:1	+0.21	+0.0096	22.00	6.90' LT	1105.62	350+25.00	1104.65	6.90' RT	1105.01		+0.35	+0.0160	22.00	1104.78	232:1	-0.22	-0.0096	23.00	
	1104.99		-0.37	-0.0160	23.00	1105.36	242:1	+0.11	+0.0049	22.00	6.90' LT	1105.25	350+50.00	1104.21	6.90' RT	1104.56		+0.35	+0.0160	22.00	1104.45	232:1	-0.11	-0.0049	23.00	
HF	1104.51		-0.37	-0.0160	23.00	1104.88	242:1	+0.01	+0.0003	22.00	6.90' LT	1104.88	350+75.00	1103.77	6.90' RT	1104.12		+0.35	+0.0160	22.00	1104.11	232:1	-0.01	-0.0003	23.00	
	1104.49		-0.37	-0.0160	23.00	1104.86	242:1	-0.00	0.0000	22.00	6.90' LT	1104.86	350+76.32	1103.74	6.90' RT	1104.09		+0.35	+0.0160	22.00	1104.09	232:1	0.00	0.0000	23.00	HF
	1104.04		-0.37	-0.0160	23.00	1104.41	242:1	-0.10	-0.0045	22.00	6.90' LT	1104.50	351+00.00	1103.36	6.90' RT	1103.71		+0.35	+0.0160	22.00	1103.81	232:1	+0.10	+0.0044	23.00	
	1103.57		-0.37	-0.0160	23.00	1103.94	242:1	-0.20	-0.0091	22.00	6.90' LT	1104.14	351+25.00	1102.99	6.90' RT	1103.34		+0.35	+0.0160	22.00	1103.55	232:1	+0.21	+0.0091	23.00	
	1103.14		-0.37	-0.0160	23.00	1103.51	242:1	-0.30	-0.0138	22.00	6.90' LT	1103.82	351+50.00	1102.67	6.90' RT	1103.03		+0.35	+0.0160	22.00	1103.34	232:1	+0.32	+0.0138	23.00	
RC	1102.96	237:1	-0.37	-0.0160	23.00	1103.33	484:1	-0.35	-0.0160	22.00	6.90' LT	1103.68	351+61.56	1102.54	6.90' RT	1102.89	484:1	+0.35	+0.0160	22.00	1103.26	237:1	+0.37	+0.0160	23.00	RC
	1102.76	237:1	-0.40	-0.0173	23.00	1103.16	484:1	-0.38	-0.0173	22.00	6.90' LT	1103.54	351+75.00	1102.40	6.90' RT	1102.78	484:1	+0.38	+0.0173	22.00	1103.18	237:1	+0.40	+0.0173	23.00	
	1102.42	237:1	-0.45	-0.0196	23.00	1102.87	484:1	-0.43	-0.0196	22.00	6.90' LT	1103.30	352+00.00	1102.18	6.90' RT	1102.61	484:1	+0.43	+0.0196	22.00	1103.06	237:1	+0.45	+0.0196	23.00	
	1102.13	237:1	-0.50	-0.0220	23.00	1102.63	484:1	-0.48	-0.0220	22.00	6.90' LT	1103.11	352+25.00	1102.00	6.90' RT	1102.48	484:1	+0.48	+0.0220	22.00	1102.98	237:1	+0.50	+0.0220	23.00	
	1101.88	237:1	-0.56	-0.0243	23.00	1102.43	484:1	-0.53	-0.0243	22.00	6.90' LT	1102.97	352+50.00	1101.86	6.90' RT	1102.40	484:1	+0.53	+0.0243	22.00	1102.96	237:1	+0.56	+0.0243	23.00	
PC	1101.73	237:1	-0.60	-0.0259	23.00	1102.33	484:1	-0.57	-0.0259	22.00	6.90' LT	1102.90	352+67.06	1101.80	6.90' RT	1102.37	484:1	+0.57	+0.0259	22.00	1102.96	237:1	+0.60	+0.0259	23.00	PC
	1101.67	237:1	-0.61	-0.0267	23.00	1102.28	484:1	-0.59	-0.0267	22.00	6.90' LT	1102.87	352+75.00	1101.77	6.90' RT	1102.36	484:1	+0.59	+0.0267	22.00	1102.97	237:1	+0.61	+0.0267	23.00	
	1101.51	237:1	-0.67	-0.0290	23.00	1102.18	484:1	-0.64	-0.0290	22.00	6.90' LT	1102.81	353+00.00	1101.73	6.90' RT	1102.37	484:1	+0.64	+0.0290	22.00	1103.04	237:1	+0.67	+0.0290	23.00	
	1101.39	237:1	-0.72	-0.0313	23.00	1102.11	484:1	-0.69	-0.0313	22.00	6.90' LT	1102.80	353+25.00	1101.73	6.90' RT	1102.42	484:1	+0.69	+0.0313	22.00	1103.14	237:1	+0.72	+0.0313	23.00	
	1101.32	237:1	-0.77	-0.0337	23.00	1102.10	484:1	-0.74	-0.0337	22.00	6.90' LT	1102.84	353+50.00	1101.78	6.90' RT	1102.52	484:1	+0.74	+0.0337	22.00	1103.30	237:1	+0.77	+0.0337	23.00	
	1101.30	237:1	-0.83	-0.0360	23.00	1102.13	484:1	-0.79	-0.0360	22.00	6.90' LT	1102.92	353+75.00	1101.88	6.90' RT	1102.67	484:1	+0.79	+0.0360	22.00	1103.50	237:1	+0.83	+0.0360	23.00	
FS	1101.30		-0.85	-0.0370	23.00	1102.15		-0.81	-0.0370	22.00	6.90' LT	1102.96	353+85.34	1101.93	6.90' RT	1102.75		+0.81	+0.0370	22.00	1103.60		+0.85	+0.0370	23.00	FS
	1101.38		-0.85	-0.0370	23.00	1102.23		-0.81	-0.0370	22.00	6.90' LT	1103.04	354+00.00	1102.02	6.90' RT	1102.83		+0.81	+0.0370	22.00	1103.68		+0.85	+0.0370	23.00	
	1104.91		-0.85	-0.0370	23.00	1105.76		-0.81	-0.0370	22.00	6.90' LT	1106.57	356+50.00	1105.73	6.90' RT	1106.54		+0.81	+0.0370	22.00	1107.39		+0.85	+0.0370	23.00	
FS	1105.35	237:1	-0.85	-0.0370	23.00	1106.20	484:1	-0.81	-0.0370	22.00	6.90' LT	1107.02	356+73.74	1106.18	6.90' RT	1107.00	484:1	+0.81	+0.0370	22.00	1107.85	237:1	+0.85	+0.0370	23.00	FS
	1105.38	237:1	-0.85	-0.0369	23.00	1106.23	484:1	-0.81	-0.0369	22.00	6.90' LT	1107.04	356+75.00	1106.21	6.90' RT	1107.02	484:1	+0.81	+0.0369	22.00	1107.87	237:1	+0.85	+0.0369	23.00	
	1105.89	237:1	-0.79	-0.0345	23.00	1106.68	484:1	-0.76	-0.0345	22.00	6.90' LT	1107.44	357+00.00	1106.69	6.90' RT	1107.45	484:1	+0.76	+0.0345	22.00	1108.24	237:1	+0.79	+0.0345	23.00	
	1106.40	237:1	-0.74	-0.0322	23.00	1107.14	484:1	-0.71	-0.0322	22.00	6.90' LT	1107.85	357+25.00	1107.17	6.90' RT	1107.87	484:1	+0.71	+0.0322	22.00	1108.61	237:1	+0.74	+0.0322	23.00	
	1106.91	237:1	-0.69	-0.0298	23.00	1107.60	484:1	-0.66	-0.0298	22.00	6.90' LT	1108.25	357+50.00	1107.64	6.90' RT	1108.30	484:1	+0.66	+0.0298	22.00	1108.99	237:1	+0.69	+0.0298	23.00	
	1107.42	237:1	-0.63	-0.0275	23.00	1108.05	484:1	-0.60	-0.0275	22.00	6.90' LT	1108.66	357+75.00	1108.07	6.90' RT	1108.67	484:1	+0.60	+0.0275	22.00	1109.31	237:1	+0.63	+0.0275	23.00	
PT	1107.77	237:1	-0.60	-0.0259	23.00	1108.36	484:1	-0.57	-0.0259	22.00	6.90' LT	1108.93	357+92.02	1108.34	6.90' RT	1108.91	484:1	+0.57	+0.0259	22.00	1109.51	237:1	+0.60	+0.0259	23.00	PT
	1107.93	237:1	-0.58	-0.0252	23.00	1108.51	484:1	-0.55	-0.0252	22.00	6.90' LT	1109.06	358+00.00	1108.47	6.90' RT	1109.03	484:1	+0.55	+0.0252	22.00	1109.60	237:1	+0.58	+0.0252	23.00	
	1108.44	237:1	-0.52	-0.0228	23.00	1108.96	484:1	-0.50	-0.0228	22.00	6.90' LT	1109.47	358+25.00	1108.88	6.90' RT	1109.38	484:1	+0.50	+0.0228	22.00	1109.90	237:1	+0.52	+0.0228	23.00	
	1108.95	237:1	-0.47	-0.0205	23.00	1109.42	484:1	-0.45	-0.0205	22.00	6.90' LT	1109.87	358+50.00	1109.28	6.90' RT	1109.73	484:1	+0.45	+0.0205	22.00	1110.20	237:1	+0.47	+0.0205	23.00	
	1109.46	237:1	-0.42	-0.0181	23.00	1109.88	484:1	-0.40	-0.0181	22.00	6.90' LT	1110.28	358+75.00	1109.72	6.90' RT	1110.11	484:1	+0.40	+0.0181	22.00	1110.53	237:1	+0.42	+0.0181	23.00	
RC	1109.92		-0.37	-0.0160	23.00	1110.29	242:1	-0.35	-0.0160	22.00	6.90' LT	1110.64	358+97.52	1110.11	6.90' RT	1110.47		+0.35	+0.0160	22.00	1110.83	232:1	+0.37	+0.0160	23.00	RC
	1109.97		-0.37	-0.0160	23.00	1110.34	242:1	-0.34	-0.0155	22.00	6.90' LT	1110.68	359+00.00	1110.16	6.90' RT	1110.51		+0.35	+0.0160	22.00	1110.87	232:1	+0.36	+0.0155	23.00	
	1110.42		-0.37	-0.0160	23.00	1110.79	242:1	-0.24	-0.0108	22.00	6.90' LT	1111.03	359+25.00	1110.60	6.90' RT	1110.95		+0.35	+0.0160	22.00	1111.20	232:1	+0.25	+0.0108	23.00	
	1110.88		-0.37	-0.0160	23.00	1111.25	242:1	-0.14	-0.0062	22.00	6.90' LT	1111.38	359+50.00	1111.04	6.90' RT	1111.39		+0.35	+0.0160	22.00	1111.54	232:1	+0.14	+0.0062	23.00	
	1111.33		-0.37	-0.0160	23.00	1111.70	242:1	-0.03	-0.0015	22.00	6.90' LT	1111.73	359+75.00	1111.48	6.90' RT	1111.84		+0.35	+0.0160	22.00	1111.87	232:1	+0.03	+0.0015	23.00	
HF	1111.79		-0.37	-0.0160	23.00	1111.84	242:1	0.00	0.0000	22.00	6.90' LT	1111.84	359+82.76	1111.62	6.90' RT	1111.97		+0.35	+0.0160	22.00	1111.97	232:1	0.00	0.0000	23.00	HF

Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

- NOTES:
- THE DESIGN CALCULATIONS USED A 222 TRANSITION RATE AND ASSUMED A MINIMUM LANE WIDTH OF 12FT RESULTING IN A 24FT CROWN WIDTH AND A 24FT OR 36FT OUTSIDE EDGE OF TRAVEL WAY WIDTH. THE ACTUAL WIDTHS AS SHOWN IN THE TABLE ARE SMALLER AND RESULT IN SLIGHTLY LARGER TRANSITION RATES.
 - THE VARYING TRANSITION RATES SHOWN IN THE TABLE ARE DUE TO THE VARYING WIDTHS OF THE ROTATED POINTS OF THE ROADWAY. THE DESIGN CALCULATIONS USED AN ASSUMED CONSTANT ROTATED WIDTH.

CURVE 53 - I.R. 77 SUPERELEVATION TABLE

P. I. Station 369+05.20

Dc = 0°59'44"

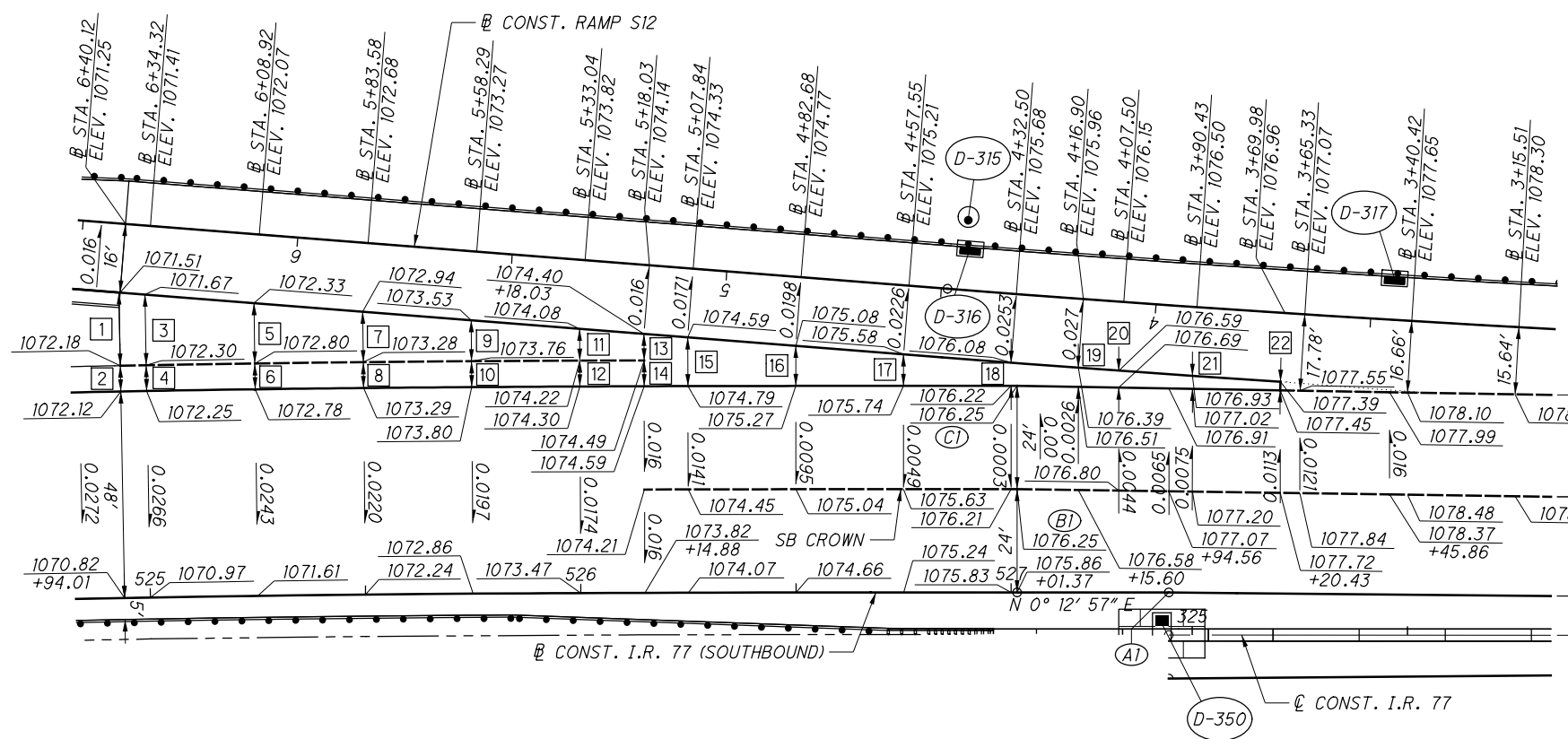
REMARKS	SOUTHBOUND (LT) OUTSIDE EDGE OF TRAVEL WAY					SOUTHBOUND (LT) CROWN					SOUTHBOUND (LT) PGL		CENTERLINE STATION	NORTHBOUND (RT) PGL		NORTHBOUND (RT) CROWN					NORTHBOUND (RT) OUTSIDE EDGE OF TRAVEL WAY					REMARKS
	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	OFFSET	ELEVATION		ELEVATION	OFFSET	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	
NC	1116.73		-0.37	-0.0160	23.00	1117.10		+0.35	+0.0160	22.00	6.90' LT	1116.74	363+00.00	1116.61	6.90' RT	1116.96		+0.35	+0.0160	22.00	1116.34		-0.62	-0.0160	38.86	
	1116.85	232:1	-0.37	-0.0160	23.00	1117.22		+0.35	+0.0160	22.00	6.90' LT	1116.86	363+07.92	1116.73	6.90' RT	1117.08	242:1	+0.35	+0.0160	22.00	1116.46		-0.62	-0.0160	38.70	NC
	1117.18	232:1	-0.29	-0.0128	23.00	1117.47		+0.35	+0.0160	22.00	6.90' LT	1117.12	363+25.00	1116.99	6.90' RT	1117.27	242:1	+0.28	+0.0128	22.00	1116.66		-0.61	-0.0160	38.36	
	1117.66	232:1	-0.19	-0.0081	23.00	1117.85		+0.35	+0.0160	22.00	6.90' LT	1117.49	363+50.00	1117.37	6.90' RT	1117.54	242:1	+0.18	+0.0081	22.00	1116.94		-0.61	-0.0160	37.86	
HF	1118.12	232:1	-0.08	-0.0034	23.00	1118.20		+0.35	+0.0160	22.00	6.90' LT	1117.85	363+75.00	1117.74	6.90' RT	1117.82	242:1	+0.08	+0.0034	22.00	1117.22		-0.60	-0.0160	37.36	
	1118.46	232:1	0.00	0.0000	23.00	1118.46		+0.35	+0.0160	22.00	6.90' LT	1118.11	363+93.17	1118.02	6.90' RT	1118.02	242:1	0.00	0.0000	22.00	1117.42		-0.59	-0.0160	37.00	HF
	1118.59	232:1	+0.03	+0.0013	23.00	1118.56		+0.35	+0.0160	22.00	6.90' LT	1118.21	364+00.00	1118.12	6.90' RT	1118.09	242:1	-0.03	-0.0013	22.00	1117.50		-0.59	-0.0160	36.86	
	1119.06	232:1	+0.14	+0.0060	23.00	1118.92		+0.35	+0.0160	22.00	6.90' LT	1118.57	364+25.00	1118.51	6.90' RT	1118.38	242:1	-0.13	-0.0060	22.00	1117.80		-0.58	-0.0160	36.36	
	1119.52	232:1	+0.25	+0.0107	23.00	1119.28		+0.35	+0.0160	22.00	6.90' LT	1118.92	364+50.00	1118.90	6.90' RT	1118.66	242:1	-0.23	-0.0107	22.00	1118.09		-0.57	-0.0160	35.86	
	1119.99	232:1	+0.35	+0.0154	23.00	1119.63		+0.35	+0.0160	22.00	6.90' LT	1119.28	364+75.00	1119.29	6.90' RT	1118.95	242:1	-0.34	-0.0154	22.00	1118.38		-0.57	-0.0160	35.36	
RC	1120.05	237:1	+0.37	+0.0160	23.00	1119.68	484:1	+0.35	+0.0160	22.00	6.90' LT	1119.33	364+78.41	1119.34	6.90' RT	1118.99	605:1	-0.35	-0.0160	22.00	1118.43	234:1	-0.56	-0.0160	35.29	RC
	1120.45	237:1	+0.41	+0.0180	23.00	1120.04	484:1	+0.40	+0.0180	22.00	6.90' LT	1119.64	365+00.00	1119.68	6.90' RT	1119.29	605:1	-0.39	-0.0176	22.00	1118.68	235:1	-0.61	-0.0176	34.86	
PC	1120.62	237:1	+0.43	+0.0189	23.00	1120.19	484:1	+0.42	+0.0189	22.00	6.90' LT	1119.77	365+09.32	1119.82	6.90' RT	1119.42	605:1	-0.40	-0.0183	22.00	1118.78	236:1	-0.64	-0.0183	34.67	PC
	1120.91	237:1	+0.47	+0.0204	23.00	1120.45	484:1	+0.45	+0.0204	22.00	6.90' LT	1120.00	365+25.00	1120.07	6.90' RT	1119.64	605:1	-0.43	-0.0195	22.00	1118.97	238:1	-0.67	-0.0195	34.36	
	1121.38	237:1	+0.52	+0.0227	23.00	1120.86	484:1	+0.50	+0.0227	22.00	6.90' LT	1120.36	365+50.00	1120.46	6.90' RT	1119.99	605:1	-0.47	-0.0214	22.00	1119.26	241:1	-0.72	-0.0214	33.85	
	1121.88	237:1	+0.58	+0.0251	23.00	1121.30	484:1	+0.55	+0.0251	22.00	6.90' LT	1120.75	365+75.00	1120.85	6.90' RT	1120.33	605:1	-0.51	-0.0233	22.00	1119.56	242:1	-0.78	-0.0233	33.35	
FS	1122.30		+0.62	+0.0270	23.00	1121.67		+0.59	+0.0270	22.00	6.90' LT	1121.08	365+95.63	1121.17	6.90' RT	1120.62	605:1	-0.55	-0.0248	22.00	1119.81	243:1	-0.82	-0.0248	32.94	
	1122.37		+0.62	+0.0270	23.00	1121.74		+0.59	+0.0270	22.00	6.90' LT	1121.15	366+00.00	1121.24	6.90' RT	1120.68	605:1	-0.55	-0.0251	22.00	1119.86	245:1	-0.83	-0.0251	32.85	
	1122.76		+0.62	+0.0270	23.00	1122.14		+0.59	+0.0270	22.00	6.90' LT	1121.55	366+24.93	1121.62	6.90' RT	1121.03		-0.59	-0.0270	22.00	1120.16		-0.87	-0.0270	32.35	FS
	1122.76		+0.62	+0.0270	23.00	1122.14		+0.59	+0.0270	22.00	6.90' LT	1121.55	366+25.00	1121.63	6.90' RT	1121.03		-0.59	-0.0270	22.00	1120.16		-0.87	-0.0270	32.35	
FS	1131.27		+0.62	+0.0270	23.00	1130.65		+0.59	+0.0270	22.00	6.90' LT	1130.05	372+00.00	1130.05	6.90' RT	1129.46		-0.59	-0.0270	22.00	1128.84		-0.62	-0.0270	23.00	
	1131.39	237:1	+0.62	+0.0270	23.00	1130.77	484:1	+0.59	+0.0270	22.00	6.90' LT	1130.18	372+13.53	1130.18	6.90' RT	1129.58	484:1	-0.59	-0.0270	22.00	1128.96	237:1	-0.62	-0.0270	23.00	FS
	1131.45	237:1	+0.60	+0.0259	23.00	1130.85	484:1	+0.57	+0.0259	22.00	6.90' LT	1130.28	372+25.00	1130.28	6.90' RT	1129.71	484:1	-0.57	-0.0259	22.00	1129.11	237:1	-0.60	-0.0259	23.00	
	1131.54	237:1	+0.54	+0.0236	23.00	1131.00	484:1	+0.52	+0.0236	22.00	6.90' LT	1130.48	372+50.00	1130.48	6.90' RT	1129.96	484:1	-0.52	-0.0236	22.00	1129.42	237:1	-0.54	-0.0236	23.00	
	1131.62	237:1	+0.49	+0.0212	23.00	1131.13	484:1	+0.47	+0.0212	22.00	6.90' LT	1130.66	372+75.00	1130.66	6.90' RT	1130.20	484:1	-0.47	-0.0212	22.00	1129.71	237:1	-0.49	-0.0212	23.00	
PT	1131.67	237:1	+0.43	+0.0189	23.00	1131.24	484:1	+0.42	+0.0189	22.00	6.90' LT	1130.82	372+99.84	1130.82	6.90' RT	1130.41	484:1	-0.42	-0.0189	22.00	1129.97	237:1	-0.43	-0.0189	23.00	PT
	1131.67	237:1	+0.43	+0.0189	23.00	1131.24	484:1	+0.42	+0.0189	22.00	6.90' LT	1130.82	373+00.00	1130.82	6.90' RT	1130.41	484:1	-0.42	-0.0189	22.00	1129.97	237:1	-0.43	-0.0189	23.00	
	1131.71	237:1	+0.38	+0.0165	23.00	1131.33	484:1	+0.36	+0.0165	22.00	6.90' LT	1130.96	373+25.00	1130.96	6.90' RT	1130.60	484:1	-0.36	-0.0165	22.00	1130.22	237:1	-0.38	-0.0165	23.00	
RC	1131.71	232:1	+0.37	+0.0160	23.00	1131.34		+0.35	+0.0160	22.00	6.90' LT	1130.99	373+30.75	1130.99	6.90' RT	1130.64	242:1	-0.35	-0.0160	22.00	1130.27		-0.37	-0.0160	23.00	RC
	1131.72	232:1	+0.28	+0.0124	23.00	1131.43		+0.35	+0.0160	22.00	6.90' LT	1131.08	373+50.00	1131.08	6.90' RT	1130.81	242:1	-0.27	-0.0124	22.00	1130.44		-0.37	-0.0160	23.00	
	1131.70	232:1	+0.18	+0.0077	23.00	1131.53		+0.35	+0.0160	22.00	6.90' LT	1131.18	373+75.00	1131.18	6.90' RT	1131.01	242:1	-0.17	-0.0077	22.00	1130.64		-0.37	-0.0160	23.00	
	1131.67	232:1	+0.07	+0.0030	23.00	1131.60		+0.35	+0.0160	22.00	6.90' LT	1131.25	374+00.00	1131.25	6.90' RT	1131.18	242:1	-0.07	-0.0030	22.00	1130.82		-0.37	-0.0160	23.00	
HF	1131.64	232:1	0.00	0.0000	23.00	1131.64		+0.35	+0.0160	22.00	6.90' LT	1131.29	374+15.99	1131.29	6.90' RT	1131.29	242:1	0.00	0.0000	22.00	1130.92		-0.37	-0.0160	23.00	HF
	1131.62	232:1	-0.04	-0.0017	23.00	1131.66		+0.35	+0.0160	22.00	6.90' LT	1131.30	374+25.00	1131.30	6.90' RT	1131.34	242:1	+0.04	+0.0017	22.00	1130.97		-0.37	-0.0160	23.00	
	1131.54	232:1	-0.15	-0.0064	23.00	1131.69		+0.35	+0.0160	22.00	6.90' LT	1131.34	374+50.00	1131.34	6.90' RT	1131.48	242:1	+0.14	+0.0064	22.00	1131.11		-0.37	-0.0160	23.00	
	1131.44	232:1	-0.25	-0.0111	23.00	1131.70		+0.35	+0.0160	22.00	6.90' LT	1131.35	374+75.00	1131.35	6.90' RT	1131.59	242:1	+0.24	+0.0111	22.00	1131.22		-0.37	-0.0160	23.00	
	1131.33	232:1	-0.36	-0.0158	23.00	1131.69		+0.35	+0.0160	22.00	6.90' LT	1131.34	375+00.00	1131.34	6.90' RT	1131.68	242:1	+0.35	+0.0158	22.00	1131.31		-0.37	-0.0160	23.00	
NC	1131.32		-0.37	-0.0160	23.00	1131.69		+0.35	+0.0160	22.00	6.90' LT	1131.33	375+01.24	1131.33	6.90' RT	1131.69		+0.35	+0.0160	22.00	1131.32		-0.37	-0.0160	23.00	NC
	1131.29		-0.37	-0.0160	23.00	1131.66		+0.35	+0.0160	22.00	6.90' LT	1131.30	375+25.00	1131.30	6.90' RT	1131.66		+0.35	+0.0160	22.00	1131.29		-0.37	-0.0160	23.00	

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03/17/2022

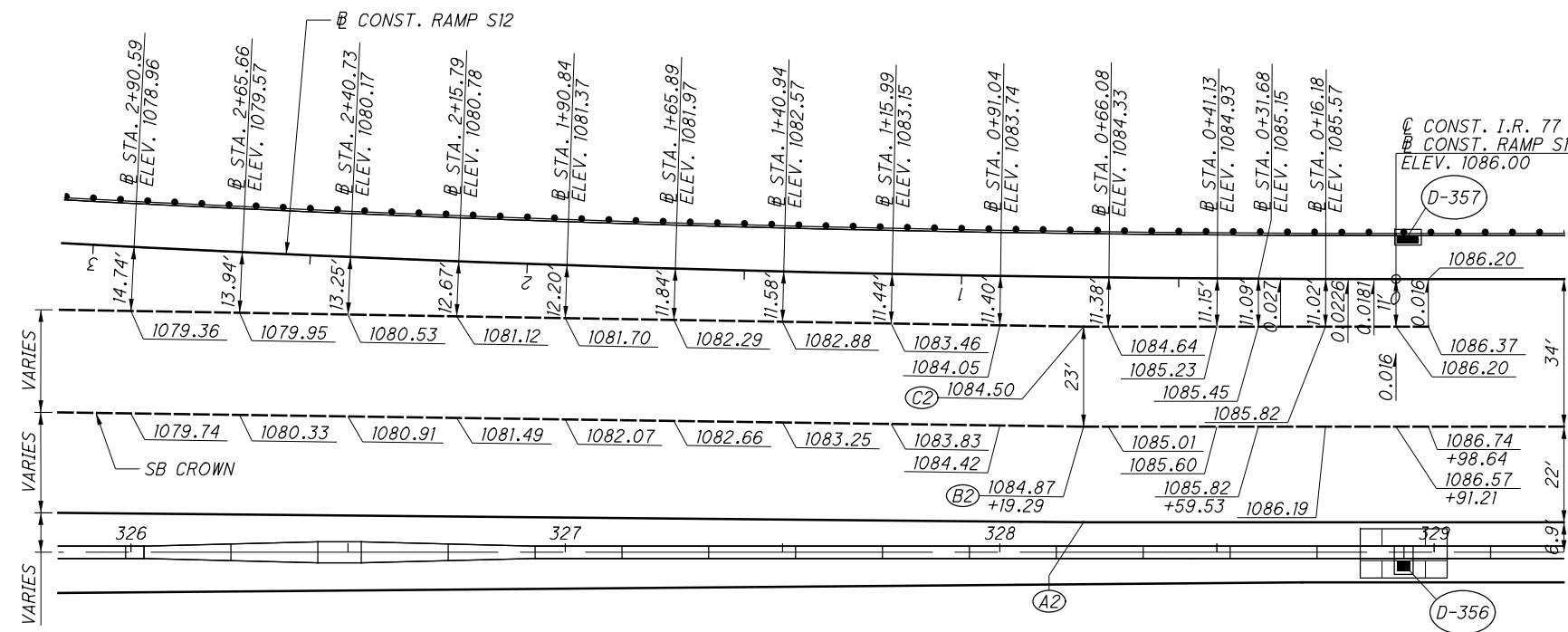
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

GORE SLOPE - RAMP S12

- 1 17' @ -0.04
- 2 6' @ 0.01
- 3 16.41' @ -0.0388
- 4 6' @ 0.0087
- 5 14.02' @ -0.0338
- 6 6' @ 0.0033
- 7 11.73' @ -0.0289
- 8 6' @ -0.0020
- 9 9.53' @ -0.0239
- 10 6' @ -0.0074
- 11 7.41' @ -0.0190
- 12 6' @ -0.0128
- 13 6.17' @ -0.016
- 14 6' @ -0.016
- 15 11.34' @ -0.0171
- 16 9.31' @ -0.0198
- 17 7.32' @ -0.0226
- 18 5.37' @ -0.0253
- 19 4.45' @ -0.027
- 20 3.93' @ -0.027
- 21 3.02' @ -0.027
- 22 2' @ -0.027



- CONTROL POINTS FOR MAINLINE PAVEMENT WIDTH TRANSITION
- (A1) = I.R. 77 (SOUTHBOUND) STA. 527+36.62 = I.R. 77 STA. 324+94.56, 9.91' LT, BEGIN EOP TAPER
 - (A2) = I.R. 77 STA. 328+19.29, 6.90' LT, END EOP TAPER
 - (B1) = I.R. 77 (SOUTHBOUND) STA. 527+01.37, 24' LT BEGIN CROWN TAPER
 - (B2) = I.R. 77 STA. 328+19.29, 28.90' LT, END CROWN TAPER
 - (C1) = I.R. 77 (SOUTHBOUND) STA. 527+01.37, 48' LT BEGIN LONGITUDINAL PAVEMENT JOINT TAPER
 - (C2) = I.R. 77 STA. 328+19.29, 51.90' LT, END LONGITUDINAL PAVEMENT JOINT TAPER



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

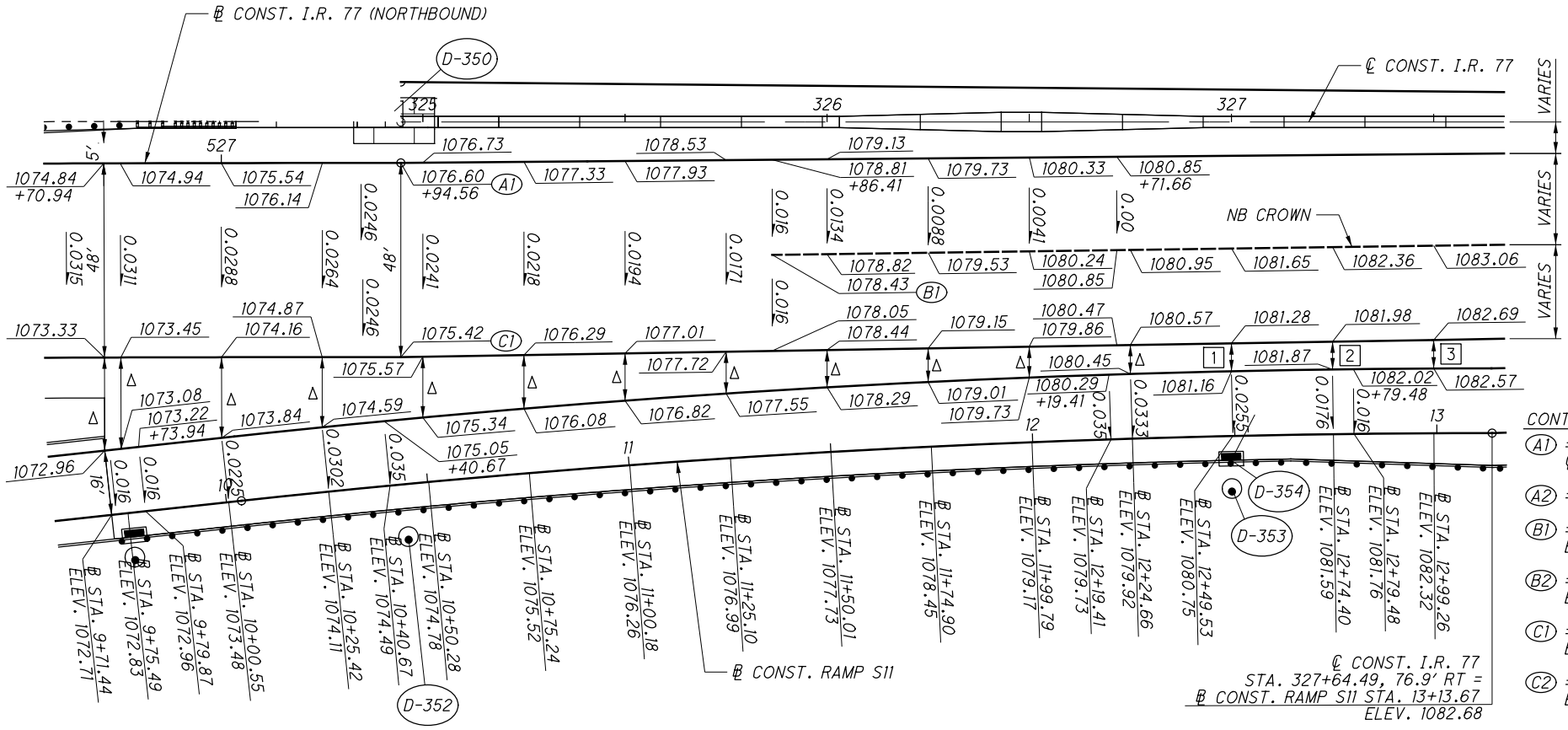


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ISSUE RECORD:		
NO.	DATE	DESCRIPTION

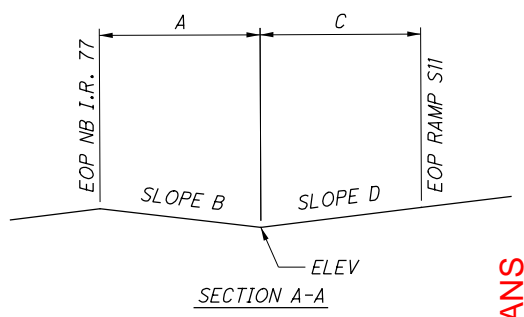
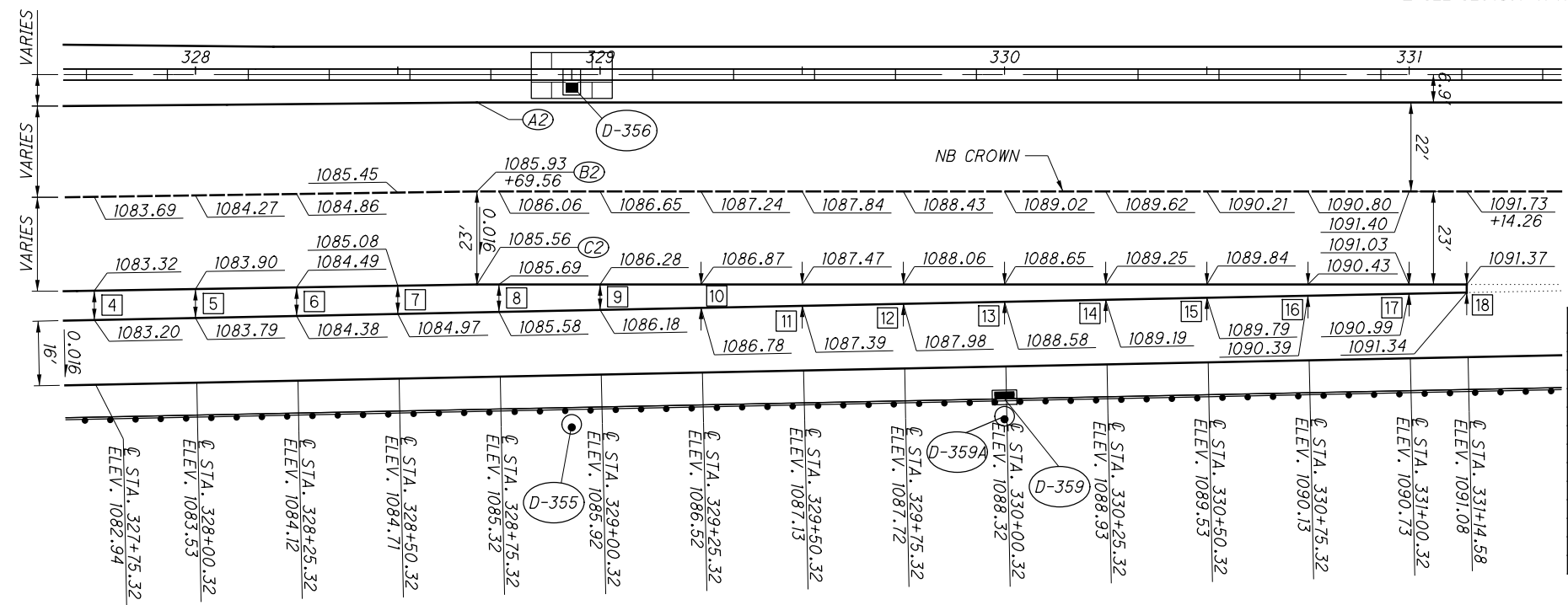
GORE SLOPE - RAMP S11

1	6.90' @ -0.016	10	5.79' @ -0.016
2	6.87' @ -0.016	11	5.29' @ -0.016
3	7.05' @ -0.016	12	4.79' @ -0.016
4	7.22' @ -0.016	13	4.29' @ -0.016
5	7.13' @ -0.016	14	3.79' @ -0.016
6	7.05' @ -0.016	15	3.29' @ -0.016
7	6.96' @ -0.016	16	2.79' @ -0.016
8	6.79' @ -0.016	17	2.29' @ -0.016
9	6.29' @ -0.016	18	2' @ -0.016



- CONTROL POINTS FOR MAINLINE PAVEMENT WIDTH TRANSITION
- (A1) = I.R. 77 (NORTHBOUND) STA. 527+44.42 = I.R. 77 STA. 324+94.56, 10.13' RT, BEGIN EOP TAPER
 - (A2) = I.R. 77 STA. 328+69.56, 6.90' RT, END EOP TAPER
 - (B1) = I.R. 77 STA. 325+86.41, 32.85' RT BEGIN CROWN TAPER
 - (B2) = I.R. 77 STA. 328+69.56, 28.90' RT, END CROWN TAPER
 - (C1) = I.R. 77 STA. 324+94.56, 58.13' RT BEGIN LONGITUDINAL PAVEMENT JOINT TAPER
 - (C2) = I.R. 77 STA. 328+69.56, 51.90' RT, END LONGITUDINAL PAVEMENT JOINT TAPER

NOTE:
1. ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.
Δ SEE SECTION A-A FOR DETAILS



GORE SLOPE INFORMATION					
STATION	A	B	C	D	ELEV.
526+70.94	10.00'	-0.0440	13.00'	0.0055	1072.8
526+75.00	9.83'	-0.0437	12.74'	0.0054	1073.0
527+00.00	8.81'	-0.0431	11.11'	0.0055	1073.78
527+25.00	7.80'	-0.0436	9.53'	0.0066	1074.5
325+00.00	6.88'	-0.0422	8.14'	0.0061	1075.27
325+25.00	6.35'	-0.0409	6.90'	0.0070	1076.02
325+50.00	5.82'	-0.0412	5.87'	0.0090	1076.7
325+75.00	5.29'	-0.0397	5.06'	0.0088	1077.5
326+00.00	4.75'	-0.0400	4.47'	0.0095	1078.2
326+25.00	4.22'	-0.0403	4.10'	0.0090	1078.9
326+50.00	3.86'	-0.0337	3.77'	0.0021	1079.7
326+75.00	3.62'	-0.0221	3.54'	-0.0098	1080.4

PAVEMENT SLOPES B & D, IN TABLE, ARE READ LEFT TO RIGHT.

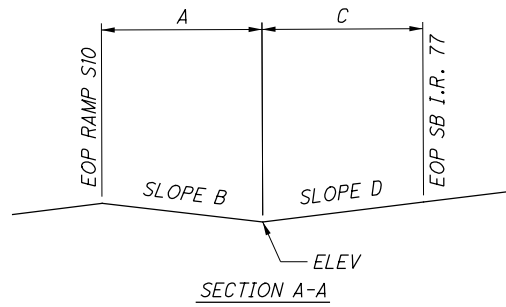
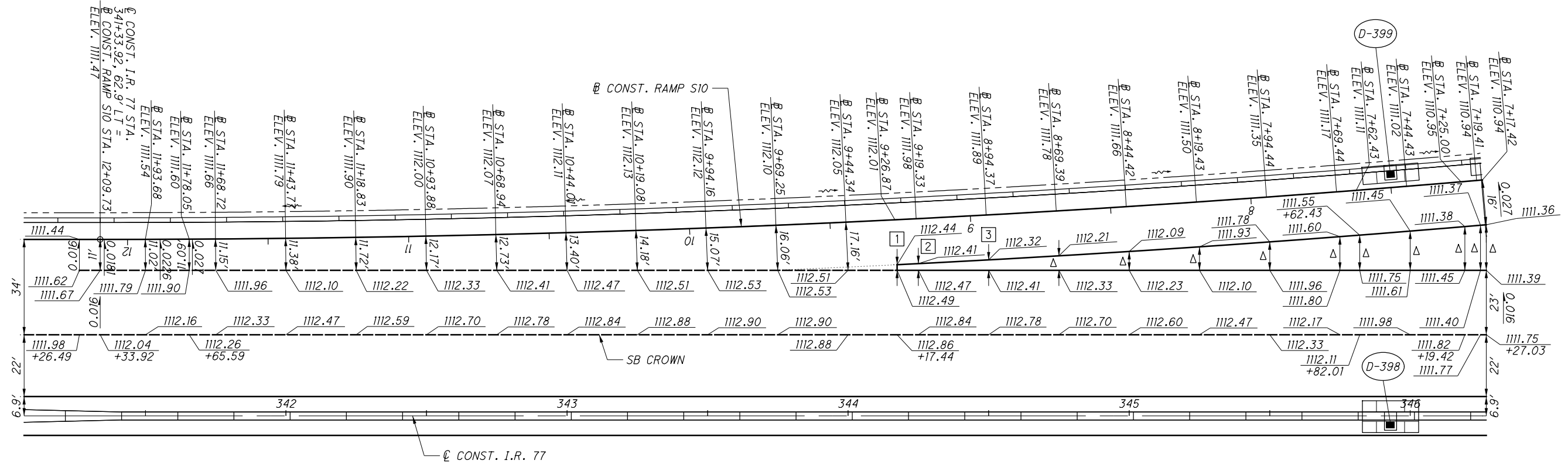
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 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



GORE SLOPE - RAMP S10

- 1 2' @ -0.027
- 2 2.38' @ -0.0265
- 3 3.70' @ -0.0248



GORE SLOPE INFORMATION					
STATION	A	B	C	D	ELEV
344+75.00	2.22'	0.0130	2.91'	0.0309	1112.24
345+00.00	2.60'	0.0013	4.08'	0.0343	1112.09
345+25.00	3.08'	-0.0081	5.25'	0.0362	1111.91
345+50.00	3.68'	-0.0128	6.41'	0.0359	1111.73
345+75.00	4.38'	-0.0144	7.58'	0.0343	1111.54
345+82.01	4.60'	-0.0152	7.90'	0.0342	1111.48
346+00.00	5.20'	-0.0188	8.74'	0.0297	1111.35
346+19.42	5.90'	-0.0218	9.65'	0.0207	1111.25
346+25.00	6.12'	-0.0225	9.91'	0.0172	1111.23
346+27.03	6.20'	-0.0230	10.00'	0.0170	1111.22

PAVEMENT SLOPES B & D, IN TABLE, ARE READ LEFT TO RIGHT.

NOTE:
 1. ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.
 Δ SEE SECTION A-A FOR DETAILS

RAMP TERMINAL DETAIL
 RAMP S10 AT WILBETH ROAD

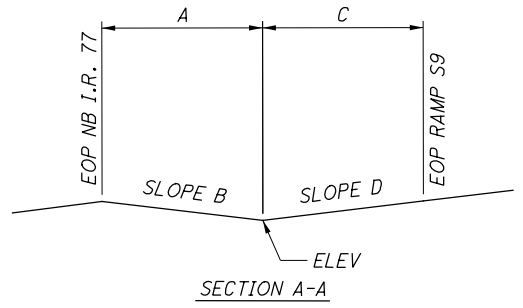
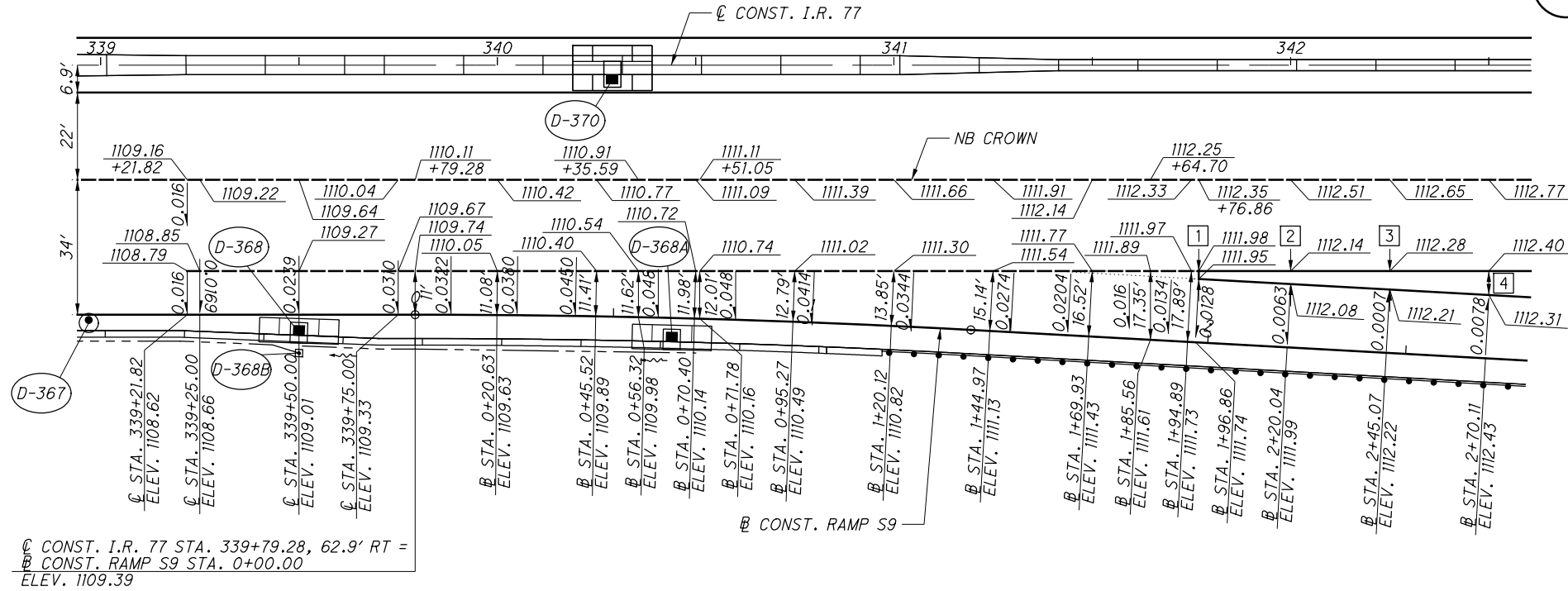
2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

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ISSUE RECORD:		
NO.	DATE	DESCRIPTION

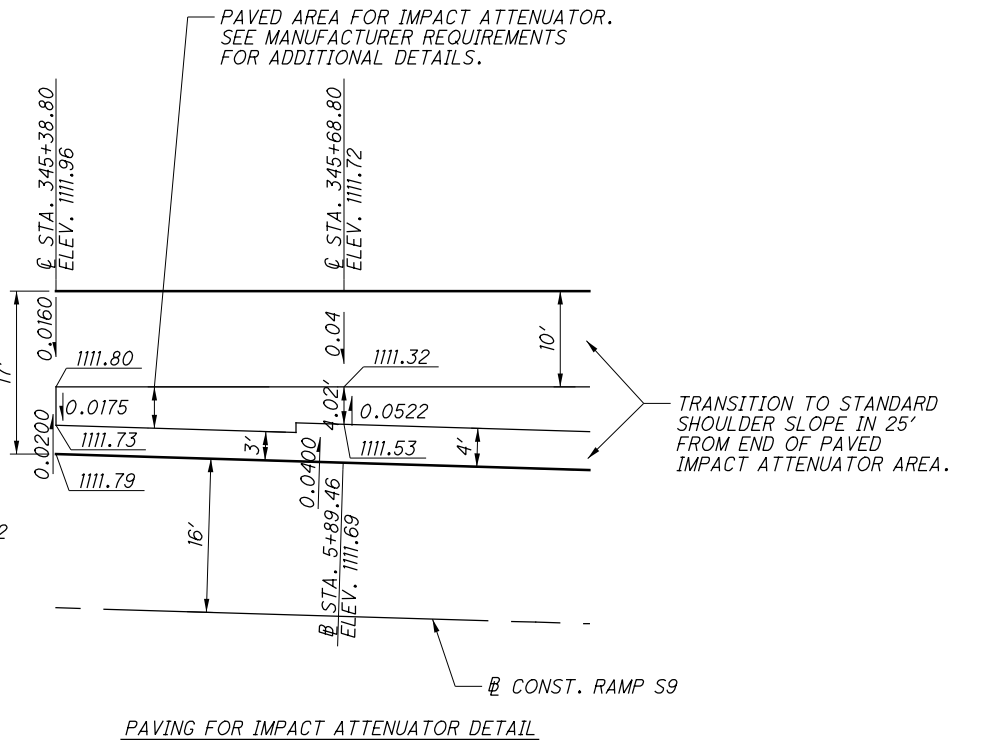
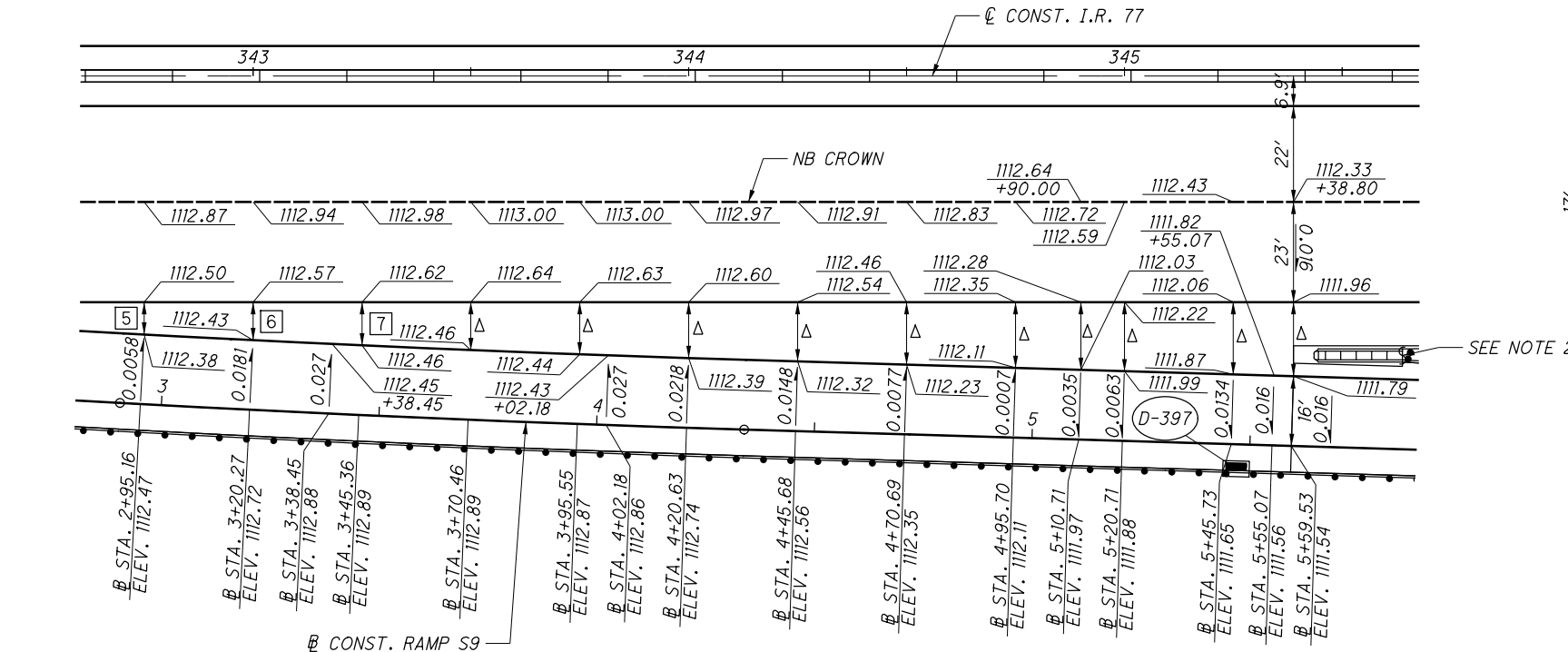
GORE SLOPE - RAMP S9

- 1 2' @ -0.016
- 2 3.27' @ -0.016
- 3 4.65' @ -0.016
- 4 6.03' @ -0.016
- 5 7.41' @ -0.016
- 6 8.71' @ -0.016
- 7 9.90' @ -0.016



GORE SLOPE INFORMATION					
STATION	A	B	C	D	ELEV
343+50.00	8.00'	-0.0250	3.00'	0.0067	1112.44
343+75.00	8.97'	-0.0245	3.00'	0.0100	1112.41
344+00.00	9.83'	-0.0254	3.00'	0.0134	1112.35
344+25.00	10.59'	-0.0255	3.00'	0.0167	1112.27
344+50.00	11.34'	-0.0256	3.00'	0.0201	1112.17
344+75.00	12.09'	-0.0248	3.00'	0.0201	1112.05
344+90.00	12.54'	-0.0247	3.00'	0.0201	1111.97
345+00.00	12.84'	-0.0226	3.00'	0.0201	1111.93
345+25.00	13.59'	-0.0184	3.00'	0.0201	1111.81
345+38.80	14.00'	-0.0164	3.00'	0.0201	1111.73

PAVEMENT SLOPES B & D, IN TABLE, ARE READ FROM LEFT TO RIGHT.



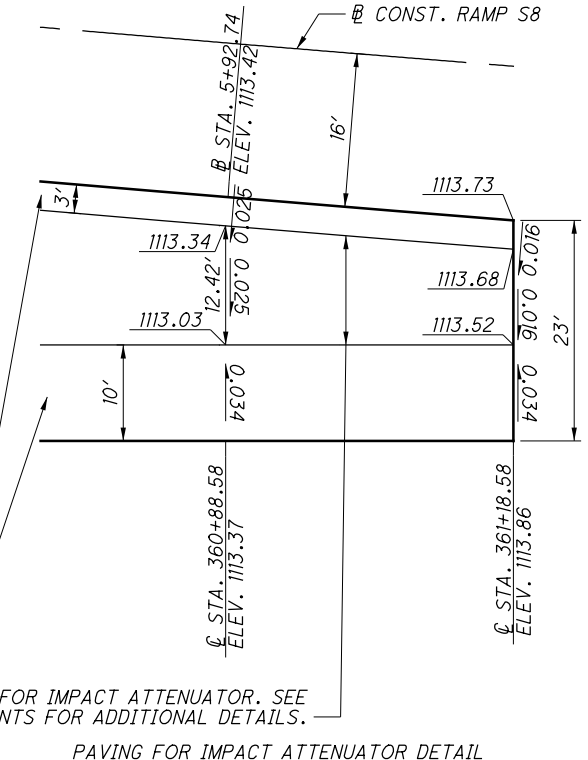
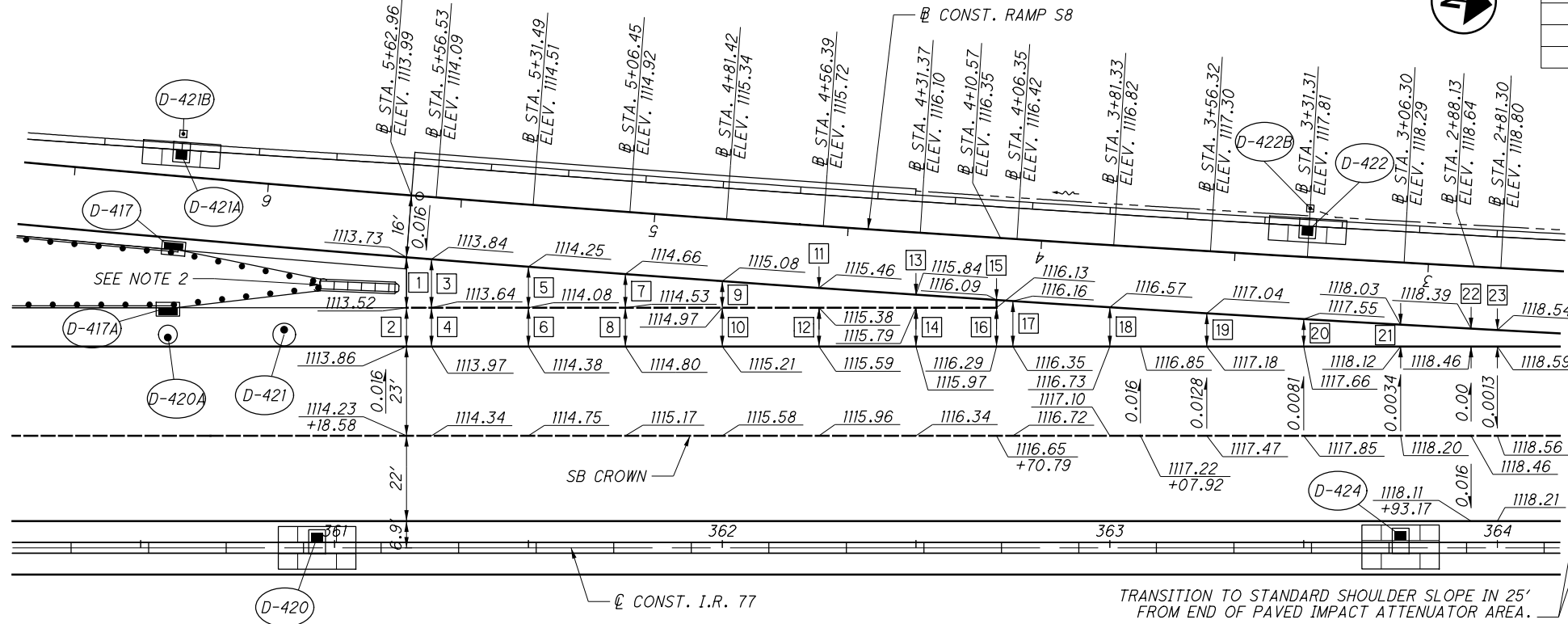
NOTE:
 1. ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.
 2. PAVING FOR IMPACT ATTENUATOR. SEE DETAIL THIS SHEET.

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03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

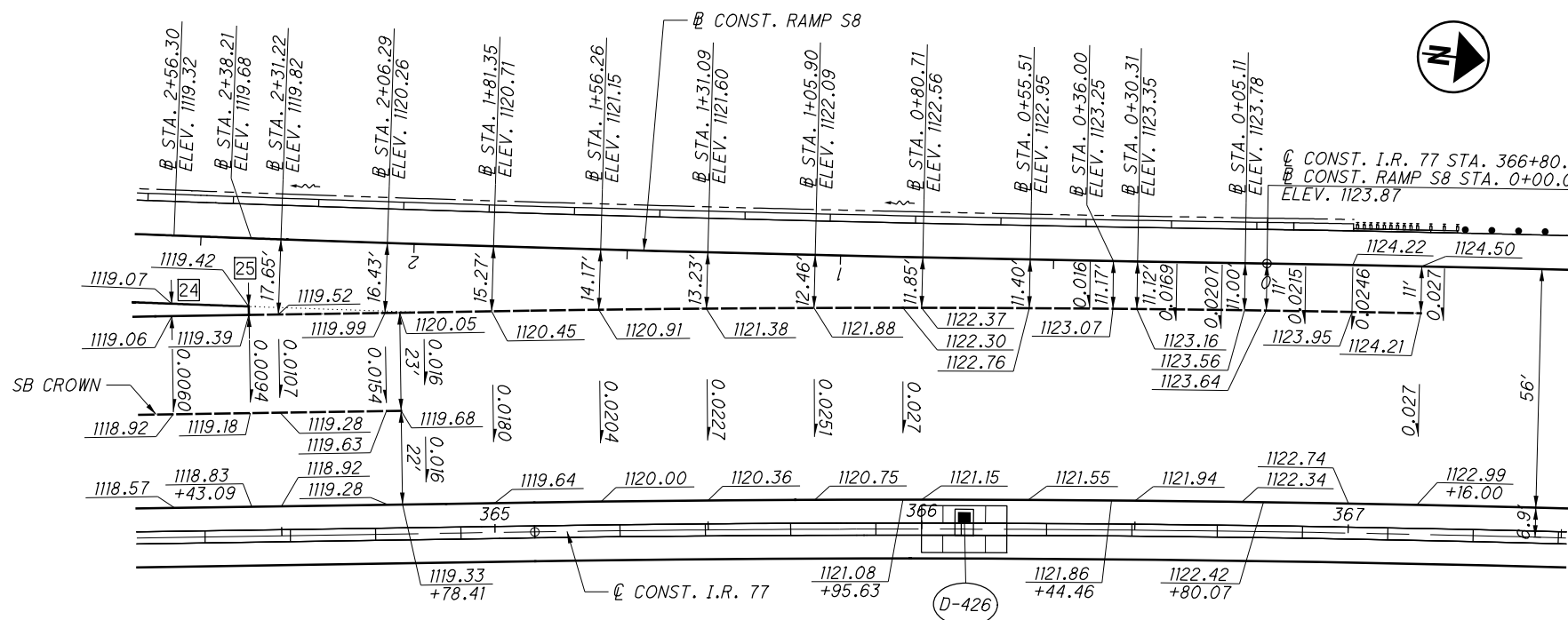
GORE SLOPE - RAMP S8

- 1 13' @ 0.016
- 2 10' @ -0.034
- 3 12.49' @ 0.016
- 4 10' @ -0.0332
- 5 10.56' @ 0.016
- 6 10' @ -0.0303
- 7 8.69' @ 0.016
- 8 10' @ -0.0273
- 9 6.86' @ 0.016
- 10 10' @ -0.0244
- 11 5.10' @ 0.016
- 12 10' @ -0.0214
- 13 3.38' @ 0.016
- 14 10' @ -0.0185
- 15 2' @ -0.016
- 16 10' @ -0.016
- 17 11.72' @ -0.016
- 18 10.12' @ -0.016
- 19 8.57' @ -0.016
- 20 7.08' @ -0.016
- 21 5.64' @ -0.016
- 22 4.43' @ -0.016
- 23 4.26' @ -0.0116
- 24 2.93' @ 0.0044
- 25 2' @ 0.016



PAVED AREA FOR IMPACT ATTENUATOR. SEE MANUFACTURER REQUIREMENTS FOR ADDITIONAL DETAILS.

PAVING FOR IMPACT ATTENUATOR DETAIL



NOTES:
 1. ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.
 2. PAVING FOR IMPACT ATTENUATOR. SEE DETAIL THIS SHEET.

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03/17/2022

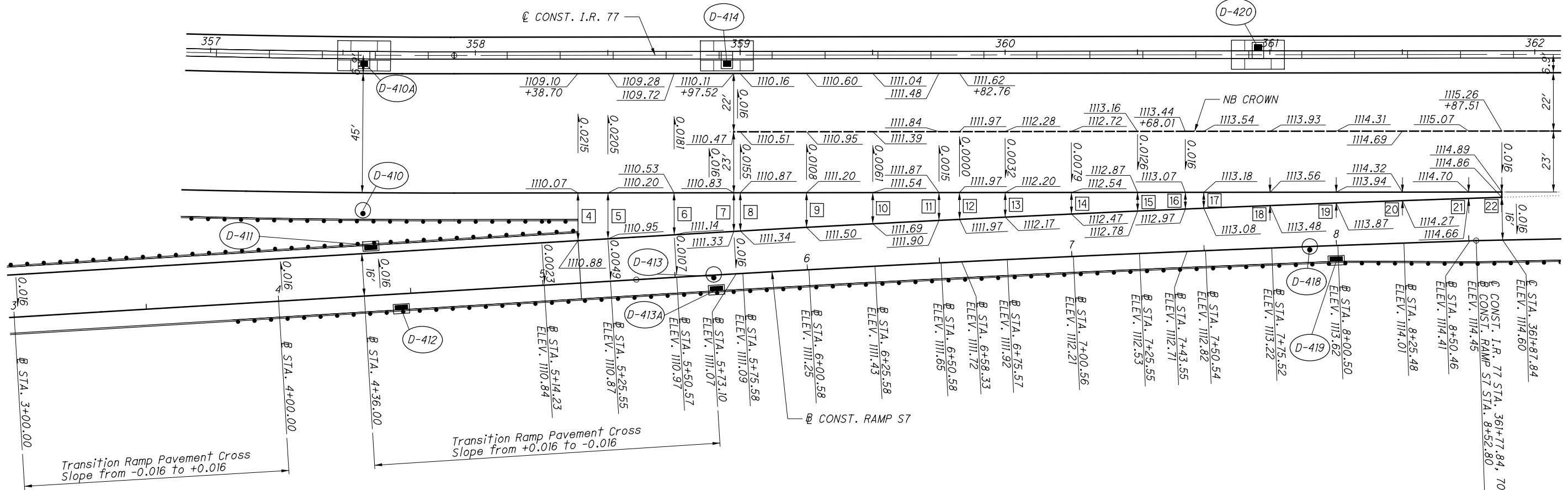
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
SGM

0 20 40
HORIZONTAL
SCALE IN FEET

GORE SLOPE - RAMP S7

4	18.00' @ 0.0489
5	17.33' @ 0.0432
6	15.86' @ 0.0384
7	14.57' @ 0.034
8	14.43' @ 0.0330
9	13.07' @ 0.0230
10	11.75' @ 0.0131
11	10.49' @ 0.0031
12	10.11' @ 0.00
13	9.29' @ -0.0032
14	8.14' @ -0.0079
15	7.05' @ -0.0126
16	6.29' @ -0.016
17	6.01' @ -0.016
18	5.02' @ -0.016
19	4.09' @ -0.016
20	3.21' @ -0.016
21	2.39' @ -0.016
22	2' @ -0.016



RAMP TERMINAL DETAIL
RAMP S7 AT WILBETH ROAD

2022-03-02-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

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

GORE SLOPE - RAMP S6

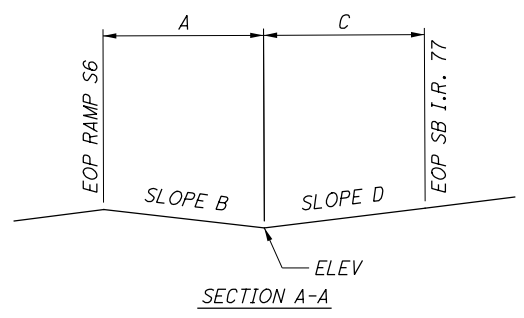
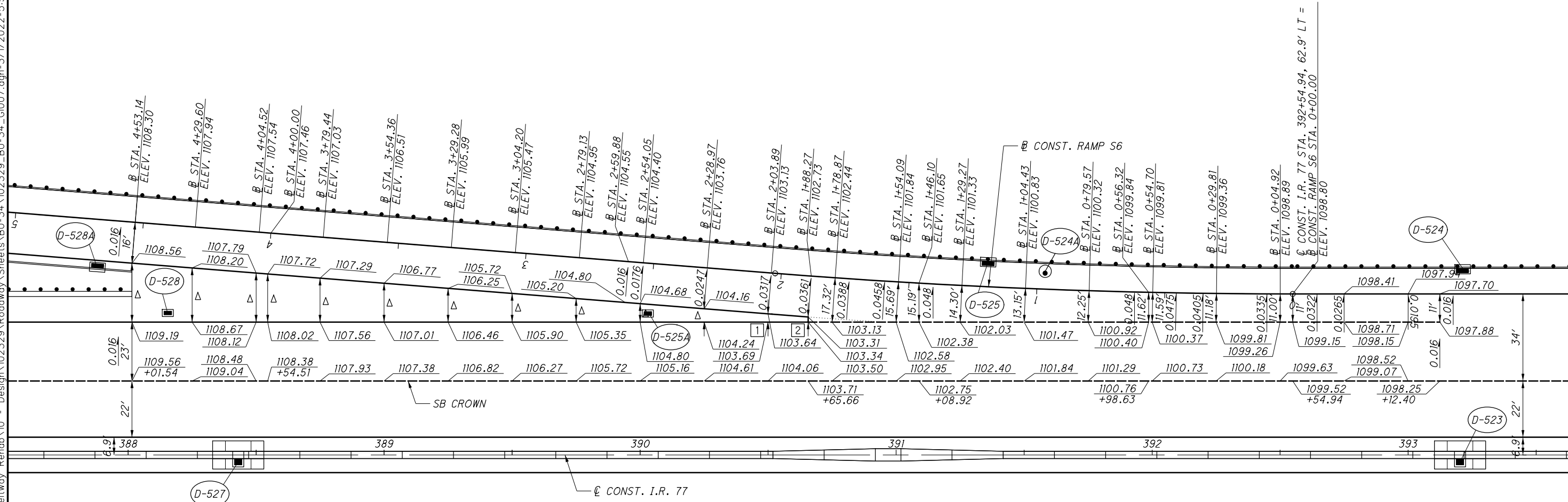
- 1 3.21' @ -0.016
- 2 2' @ -0.016

Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
 GLW
 CHECKED
 SGM

0 20 40
 HORIZONTAL
 SCALE IN FEET



GORE SLOPE INFORMATION					
STATION	A	B	C	D	ELEV
388+01.54	13.00'	-0.0052	10.00'	0.0700	1108.49
388+25.00	11.92'	-0.0056	9.21'	0.0586	1108.13
388+50.00	10.77'	-0.0060	8.38'	0.0465	1107.73
388+54.51	10.56'	-0.0056	8.22'	0.0438	1107.66
388+75.00	9.61'	-0.0058	7.54'	0.0438	1107.23
389+00.00	8.46'	-0.0056	6.70'	0.0433	1106.72
389+25.00	7.31'	-0.0067	5.86'	0.0444	1106.20
389+50.00	6.15'	-0.0051	5.02'	0.0418	1105.69
389+75.00	5.00'	-0.0066	4.18'	0.0431	1105.17
390+00.00	3.85'	-0.0039	3.34'	0.0389	1104.67
390+25.00	2.69'	0.0086	2.51'	0.0239	1104.18

PAVEMENT SLOPES B & D, IN TABLE, ARE READ FROM LEFT TO RIGHT.

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

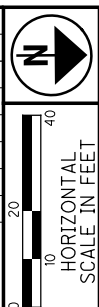
Δ SEE SECTION A-A FOR DETAILS

RAMP TERMINAL DETAIL
 RAMP S6 AT ARCHWOOD AVENUE

2022-03-02-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

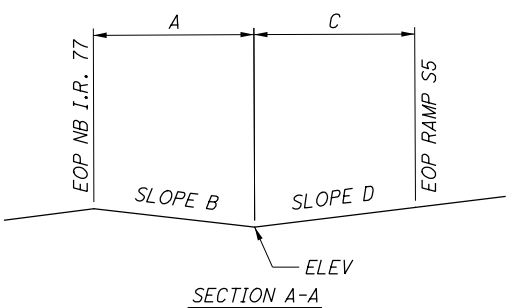
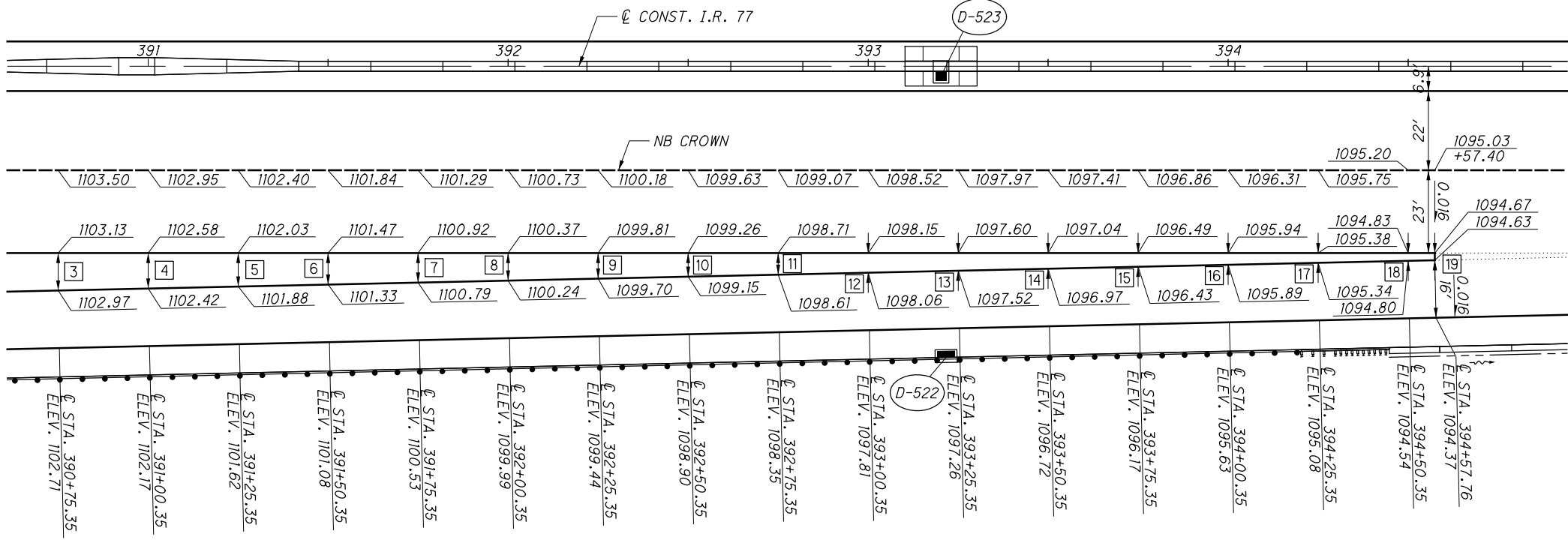
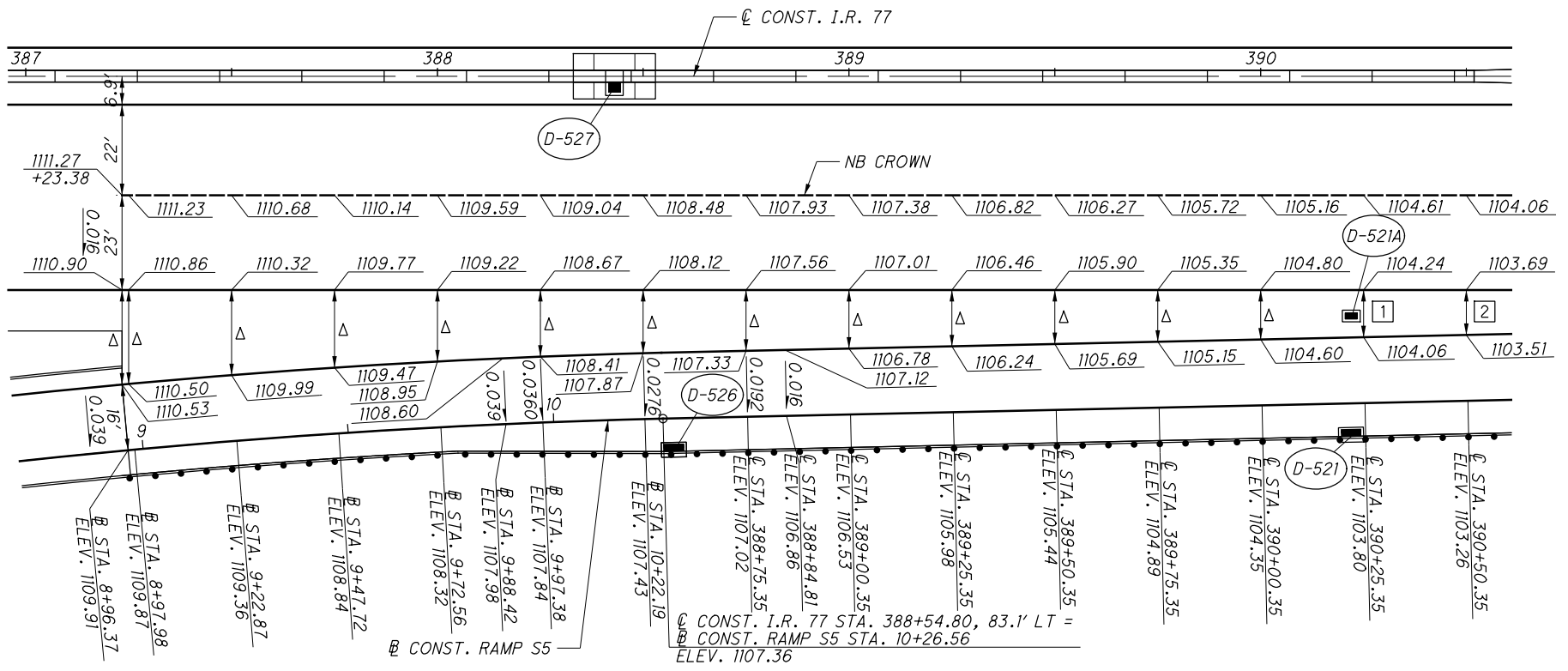
Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



GORE SLOPE - RAMP S5

1	11.50' @ -0.016	11	6.01' @ -0.016
2	10.95' @ -0.016	12	5.46' @ -0.016
3	10.40' @ -0.016	13	4.91' @ -0.016
4	9.86' @ -0.016	14	4.36' @ -0.016
5	9.31' @ -0.016	15	3.81' @ -0.016
6	8.76' @ -0.016	16	3.26' @ -0.016
7	8.21' @ -0.016	17	2.71' @ -0.016
8	7.66' @ -0.016	18	2.16' @ -0.016
9	7.11' @ -0.016	19	2' @ -0.016
10	6.56' @ -0.016		



GORE SLOPE INFORMATION

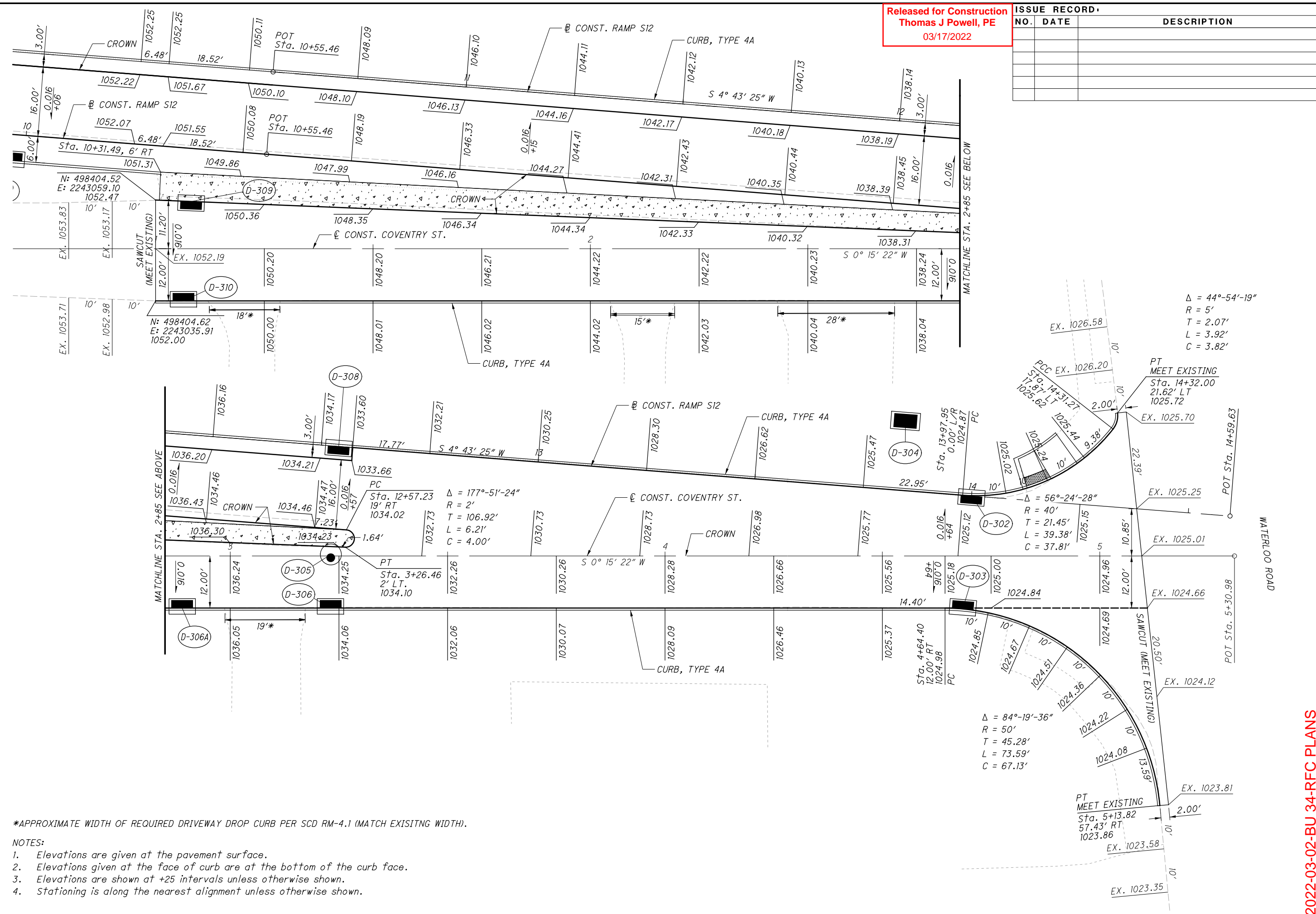
STATION	A	B	C	D	ELEV
387+23.38	10.00'	-0.0440	13.00'	0.0055	1110.46
387+25.00	9.98'	-0.0431	12.87'	0.0050	1110.43
387+50.00	9.65'	-0.0415	11.05'	0.0062	1109.92
387+75.00	9.33'	-0.0397	9.55'	0.0071	1109.40
388+00.00	9.00'	-0.0378	8.38'	0.0074	1108.88
388+25.00	8.68'	-0.0380	7.53'	0.0094	1108.34
388+50.00	8.35'	-0.0383	7.01'	0.0106	1107.80
388+75.00	8.03'	-0.0374	6.77'	0.0093	1107.26
389+00.00	7.70'	-0.0390	6.55'	0.0110	1106.71
389+25.00	7.38'	-0.0393	6.32'	0.0112	1106.17
389+50.00	7.05'	-0.0383	6.10'	0.0098	1105.63
389+75.00	6.73'	-0.0386	5.88'	0.0099	1105.09
390+00.00	6.40'	-0.0391	5.65'	0.0101	1104.55

PAVEMENT SLOPES B & D, IN TABLE, ARE READ FROM LEFT TO RIGHT.

NOTE:
 1. ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE NOTED.
 Δ SEE SECTION A-A FOR DETAILS

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03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



*APPROXIMATE WIDTH OF REQUIRED DRIVEWAY DROP CURB PER SCD RM-4.1 (MATCH EXISTING WIDTH).

- NOTES:
1. Elevations are given at the pavement surface.
 2. Elevations given at the face of curb are at the bottom of the curb face.
 3. Elevations are shown at +25 intervals unless otherwise shown.
 4. Stationing is along the nearest alignment unless otherwise shown.

INTERSECTION DETAIL
RAMP S12 TO WATERLOO ROAD

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
 GLW
 CHECKED
 JFM

0 5 10 20
 HORIZONTAL
 SCALE IN FEET

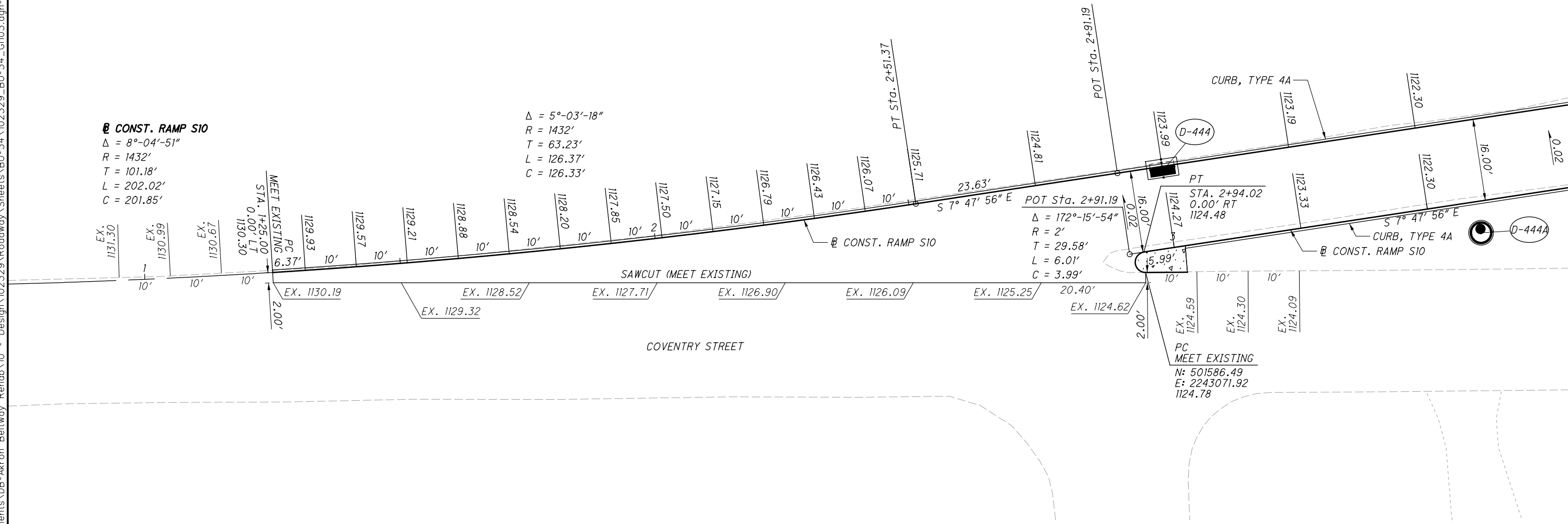
N

CONST. RAMP S10
 $\Delta = 8^{\circ}-04'-51''$
 $R = 1432'$
 $T = 101.18'$
 $L = 202.02'$
 $C = 201.85'$

$\Delta = 5^{\circ}-03'-18''$
 $R = 1432'$
 $T = 63.23'$
 $L = 126.37'$
 $C = 126.33'$

POT Sta. 2+91.19
 $\Delta = 172^{\circ}-15'-54''$
 $R = 2'$
 $T = 29.58'$
 $L = 6.01'$
 $C = 3.99'$

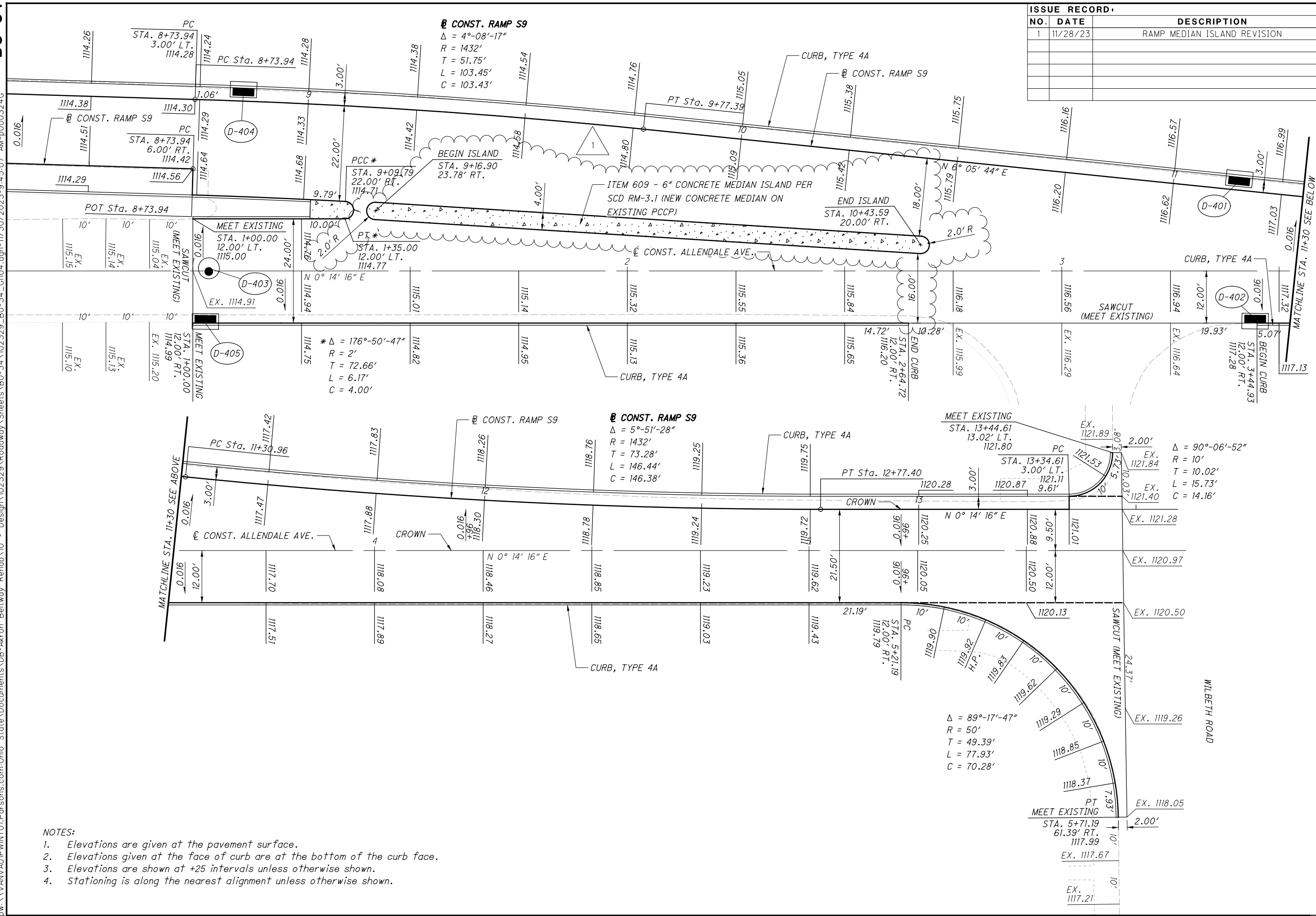
PC MEET EXISTING
 $N: 501586.49$
 $E: 2243071.92$
 1124.78



INTERSECTION DETAIL
 RAMP S10 FROM WILBETH ROAD

- NOTES:
- Elevations are given at the pavement surface.
 - Elevations given at the face of curb are at the bottom of the curb face.
 - Elevations are shown at +25 intervals unless otherwise shown.
 - Stationing is along the nearest alignment unless otherwise shown.

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	11/28/23	RAMP MEDIAN ISLAND REVISION



INTERSECTION DETAIL
RAMP S9 TO WILBETH ROAD

2024-02-16-BU 34 - RFC PLANS REV02

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

248
298

- NOTES:
- Elevations are given at the pavement surface.
 - Elevations given at the face of curb are at the bottom of the curb face.
 - Elevations are shown at +25 intervals unless otherwise shown.
 - Stationing is along the nearest alignment unless otherwise shown.

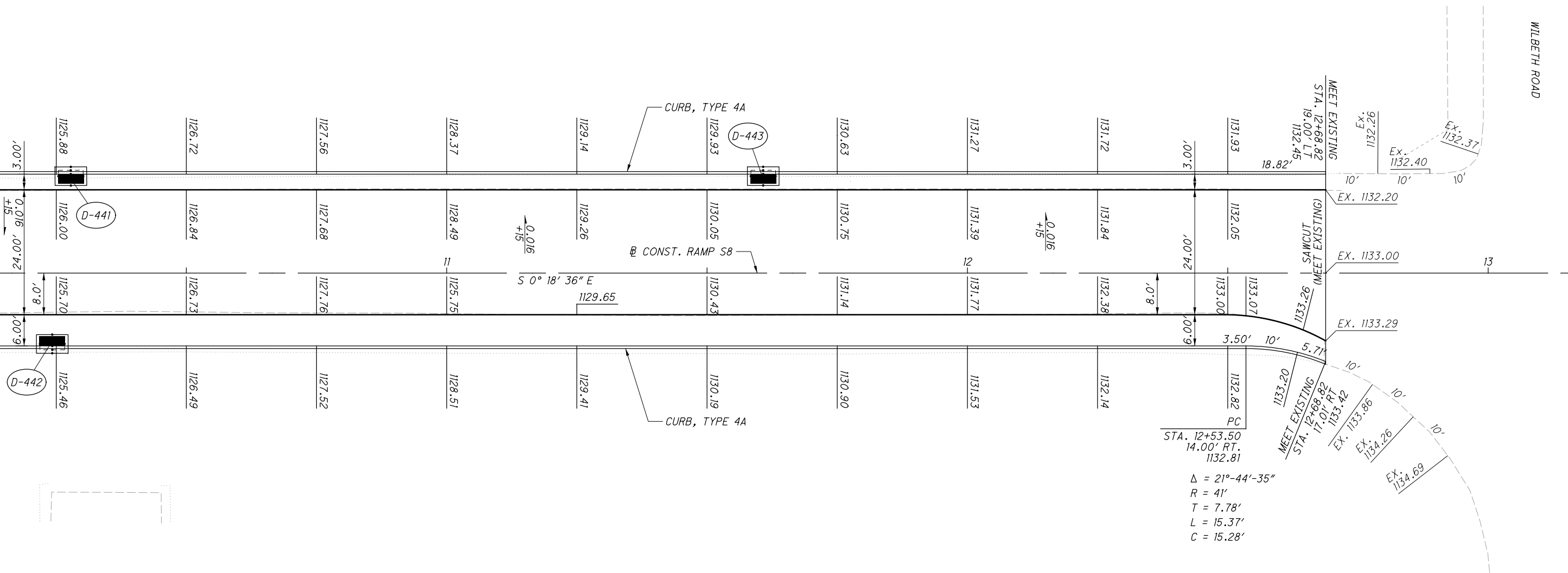
Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
 GLW
 CHECKED
 JFM

0 5 10 20
 HORIZONTAL
 SCALE IN FEET

N



- NOTES:
- Elevations are given at the pavement surface.
 - Elevations given at the face of curb are at the bottom of the curb face.
 - Elevations are shown at +25 intervals unless otherwise shown.
 - Stationing is along the nearest alignment unless otherwise shown.

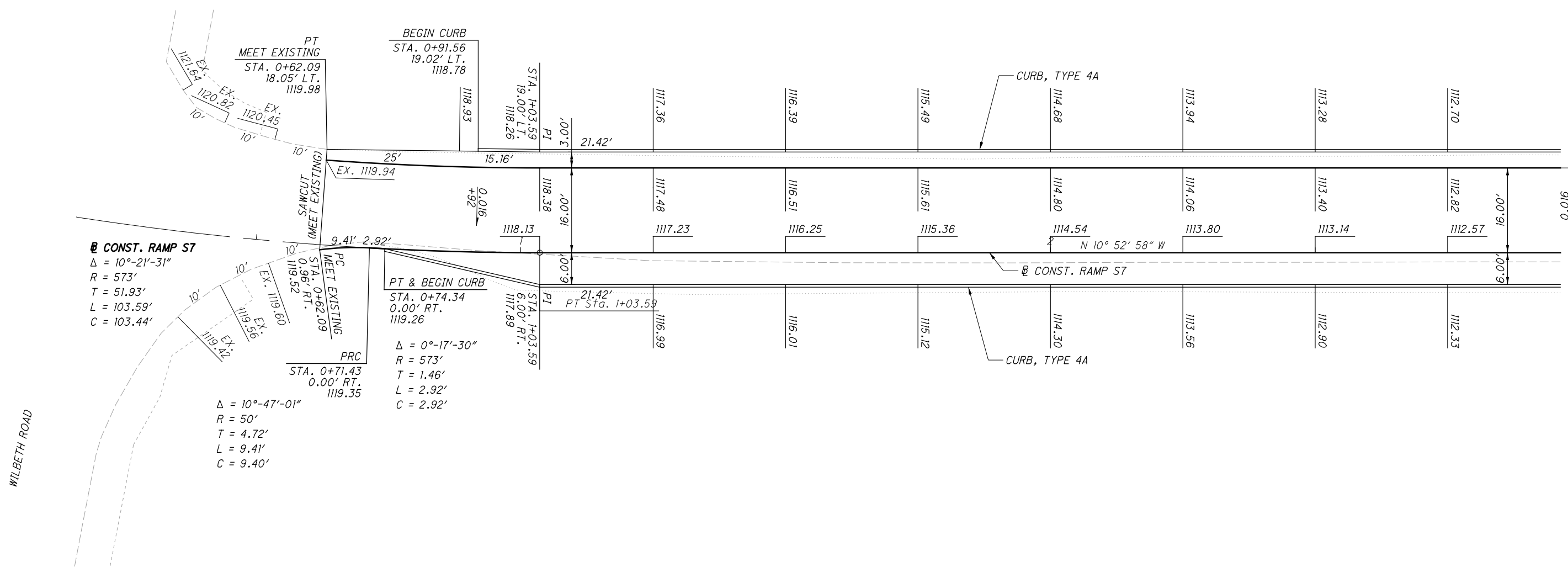
INTERSECTION DETAIL
 RAMP S8 TO WILBETH ROAD

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW
CHECKED
JFM

HORIZONTAL SCALE IN FEET



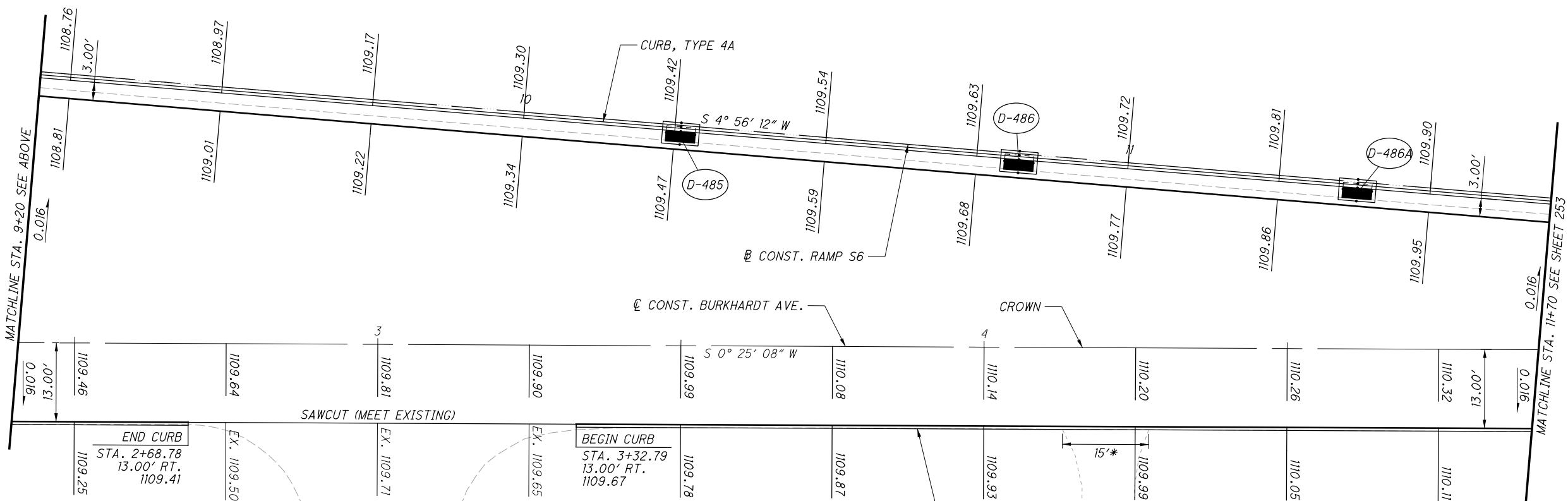
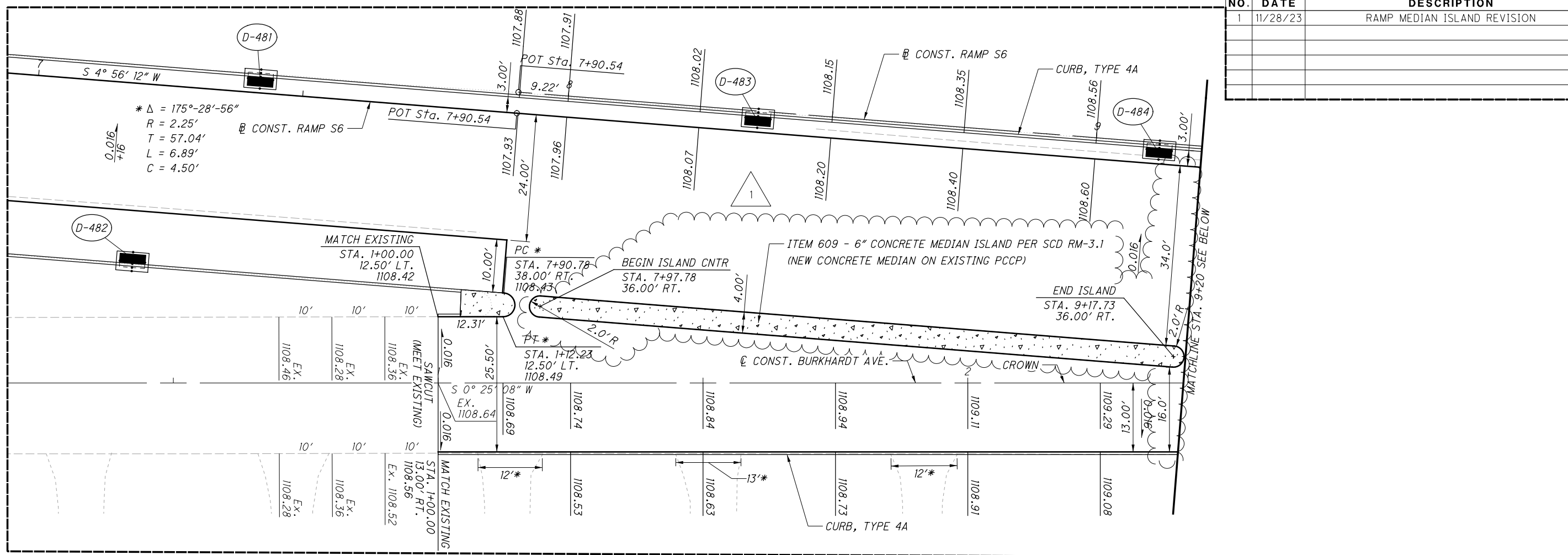
- NOTES:
1. Elevations are given at the pavement surface.
 2. Elevations given at the face of curb are at the bottom of the curb face.
 3. Elevations are shown at +25 intervals unless otherwise shown.
 4. Stationing is along the nearest alignment unless otherwise shown.

INTERSECTION DETAIL
RAMP S7 FROM WILBETH ROAD

2022-03-02-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

250
298

ISSUE RECORD:		
NO.	DATE	DESCRIPTION
1	11/28/23	RAMP MEDIAN ISLAND REVISION



- NOTES:
- Elevations are given at the pavement surface.
 - Elevations given at the face of curb are at the bottom of the curb face.
 - Elevations are shown at +25 intervals unless otherwise shown.
 - Stationing is along the nearest alignment unless otherwise shown.

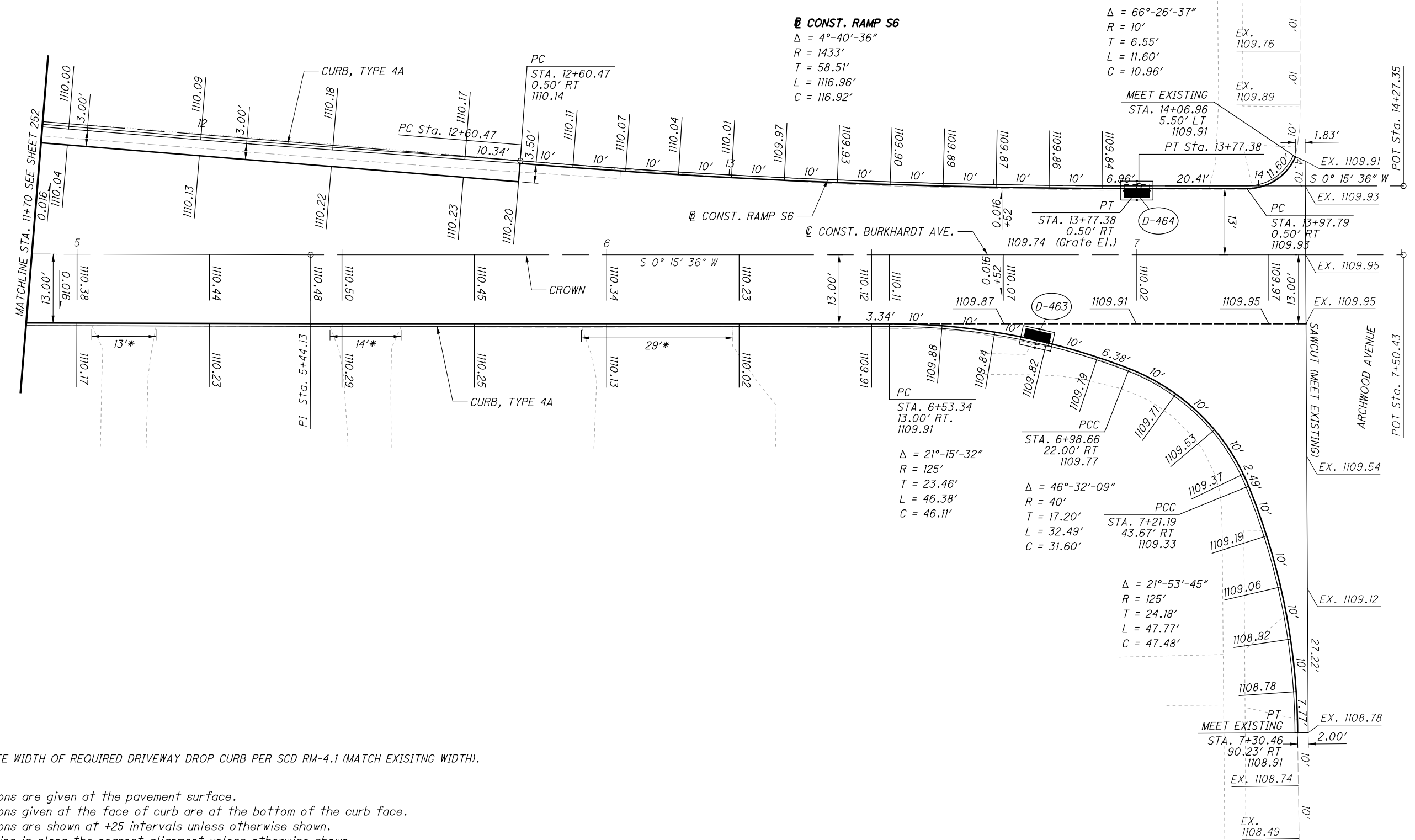
*APPROXIMATE WIDTH OF REQUIRED DRIVEWAY DROP CURB PER SCD RM-4.1 (MATCH EXISTING WIDTH).

INTERSECTION DETAIL
 RAMP S6 TO ARCHWOOD AVENUE

2024-02-16-BU 34 - RFC PLANS REV02
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 251
 298

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Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



*APPROXIMATE WIDTH OF REQUIRED DRIVEWAY DROP CURB PER SCD RM-4.1 (MATCH EXISTING WIDTH).

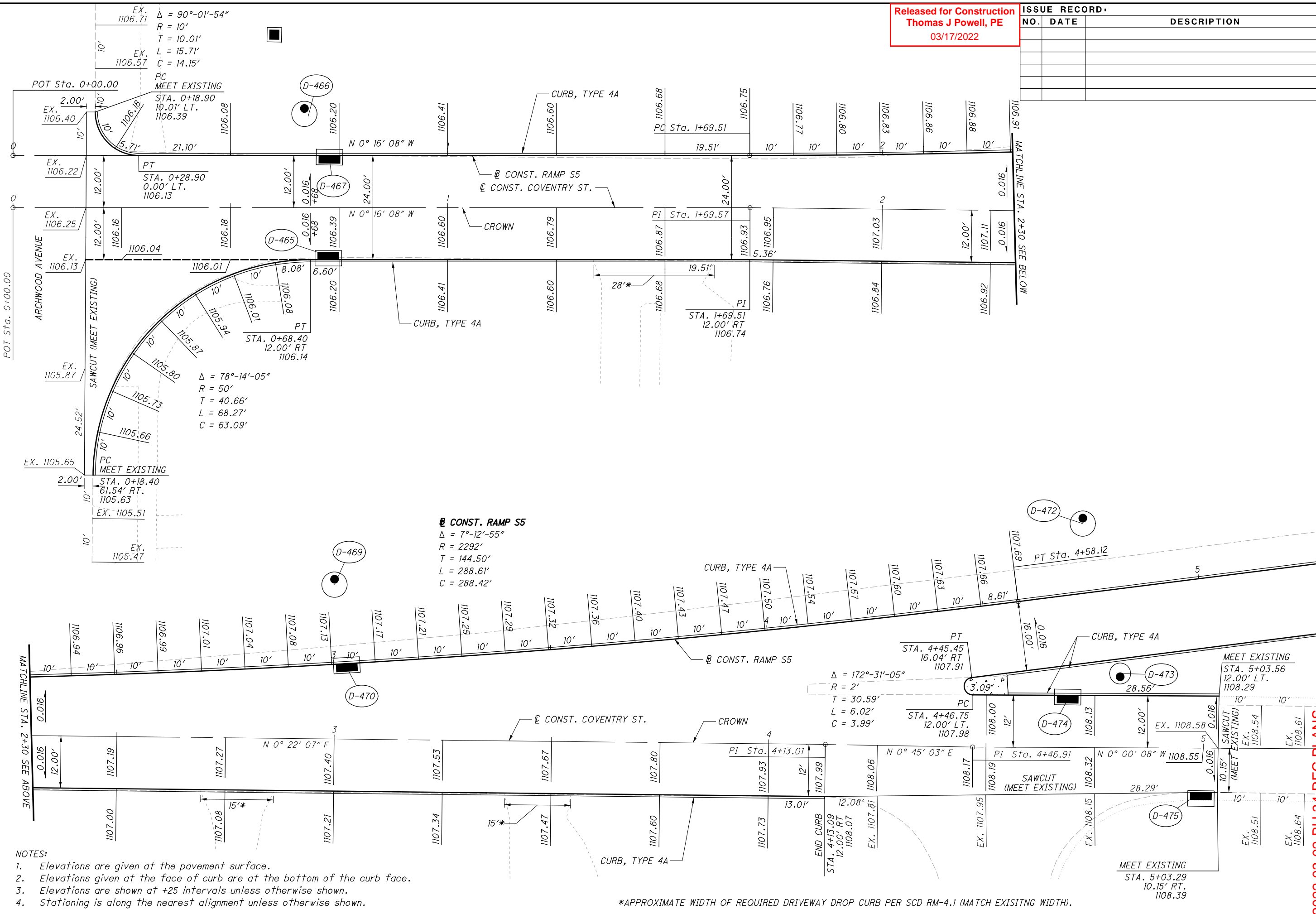
- NOTES:
1. Elevations are given at the pavement surface.
 2. Elevations given at the face of curb are at the bottom of the curb face.
 3. Elevations are shown at +25 intervals unless otherwise shown.
 4. Stationing is along the nearest alignment unless otherwise shown.

INTERSECTION DETAIL
RAMP S6 TO ARCHWOOD AVENUE

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
252
298

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION



- NOTES:
- Elevations are given at the pavement surface.
 - Elevations given at the face of curb are at the bottom of the curb face.
 - Elevations are shown at +25 intervals unless otherwise shown.
 - Stationing is along the nearest alignment unless otherwise shown.

*APPROXIMATE WIDTH OF REQUIRED DRIVEWAY DROP CURB PER SCD RM-4.1 (MATCH EXISITNG WIDTH).

INTERSECTION DETAIL
 RAMP S5 FROM ARCHWOOD AVENUE
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 2022-03-02-BU-34-RFC PLANS
 253
 298

Released for Construction
Thomas J Powell, PE
03/17/2022

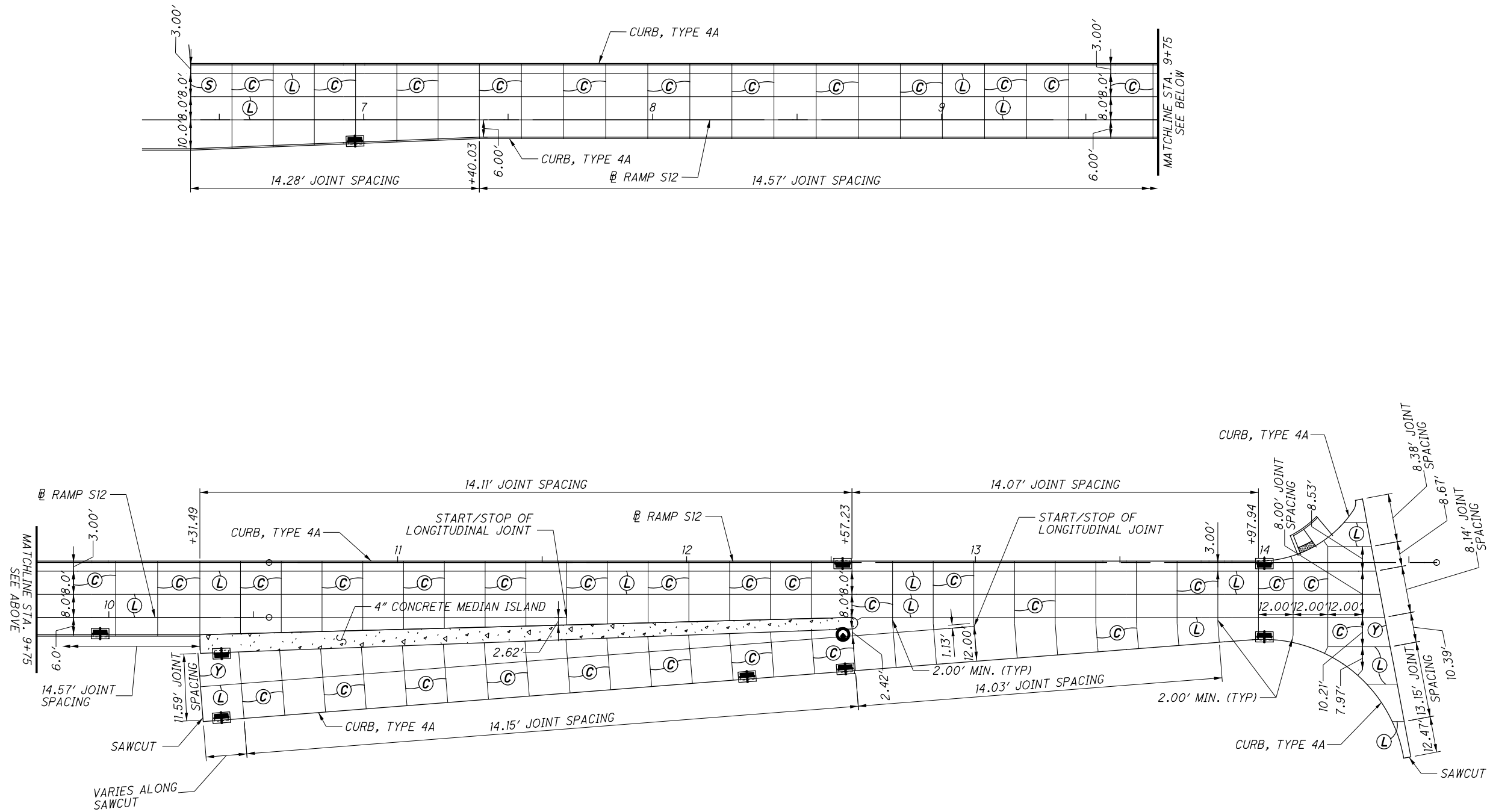
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

LEGEND

- (L) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1, WITHOUT TIE BARS
- (C) CONTRACTION JOINT AS PER BP-2.2
- (Y) BUTT JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP-2.5 SHALL BE PROVIDED. GROUTING AND DRILLING REQUIREMENTS SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT ONE TIME SHALL BE WAIVED.



CALCULATED
CAS
CHECKED
JFM



PAVEMENT JOINT DETAIL RAMP S12

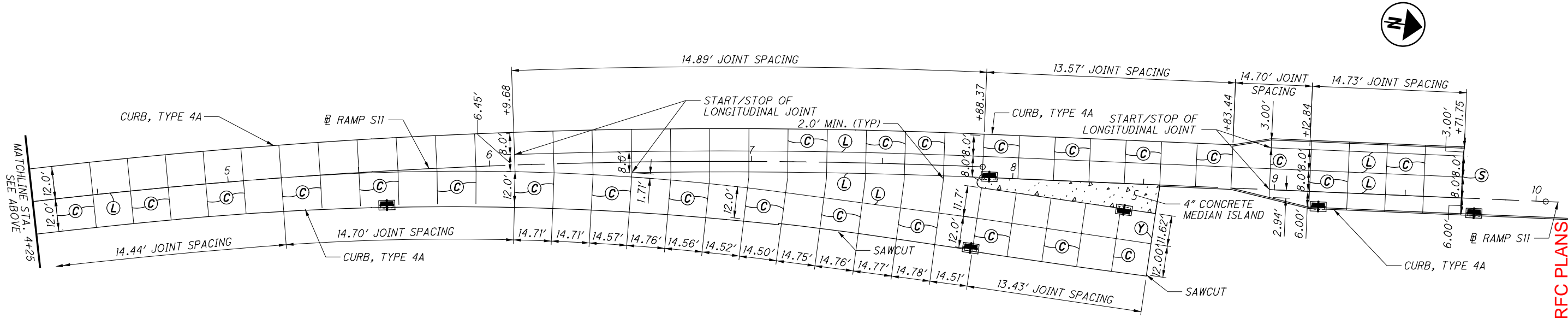
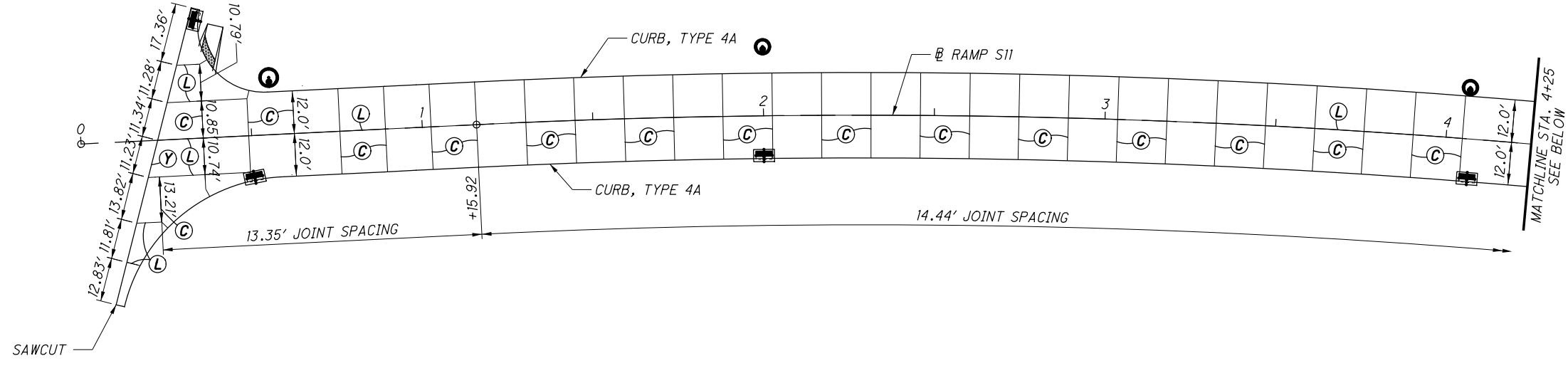
2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

LEGEND

- (L) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1, WITHOUT TIE BARS
- (C) CONTRACTION JOINT AS PER BP-2.2
- (Y) BUTT JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP-2.5 SHALL BE PROVIDED. GROUTING AND DRILLING REQUIREMENTS SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT ONE TIME SHALL BE WAIVED.



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 255
 298

PAVEMENT JOINT DETAIL RAMP S11

LEGEND

- (L) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1, WITHOUT TIE BARS
- (C) CONTRACTION JOINT AS PER BP-2.2
- (Y) BUTT JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP-2.5 SHALL BE PROVIDED. GROUTING AND DRILLING REQUIREMENTS SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT ONE TIME SHALL BE WAIVED.

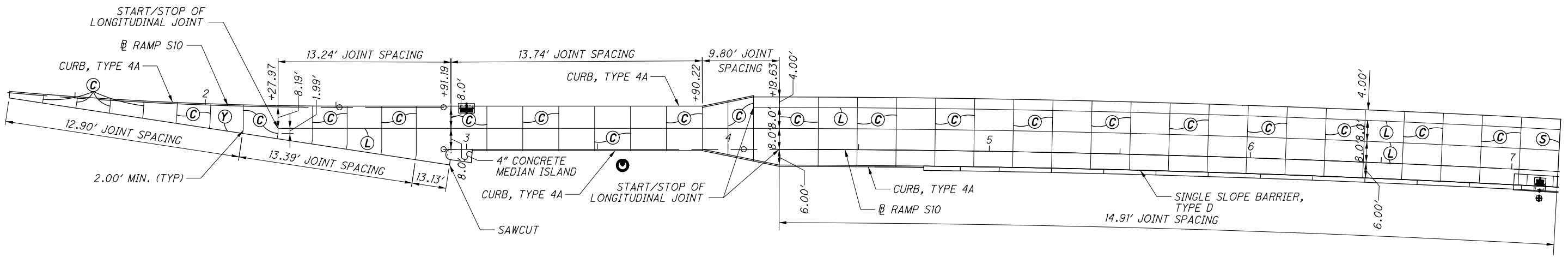
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
CAS

CHECKED
JFM

HORIZONTAL SCALE IN FEET



PAVEMENT JOINT DETAIL RAMP S10

2022-03-02 BU-34-RFC-PLANS
SUM-76/77/8-
8.24/9.74/0.00

Released for Construction
Thomas J Powell, PE
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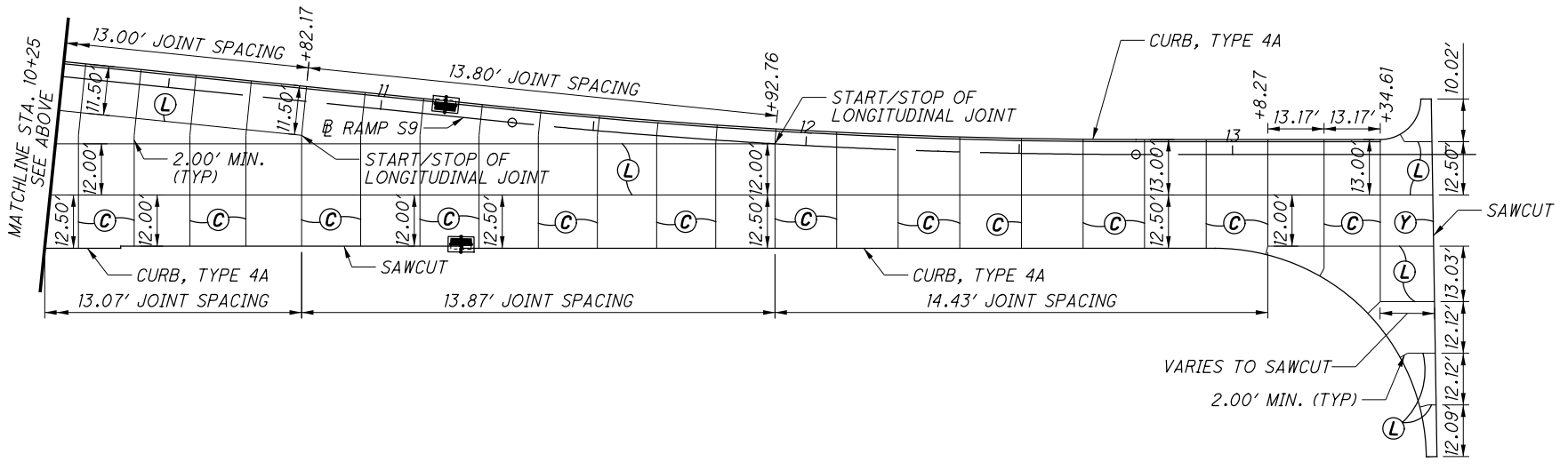
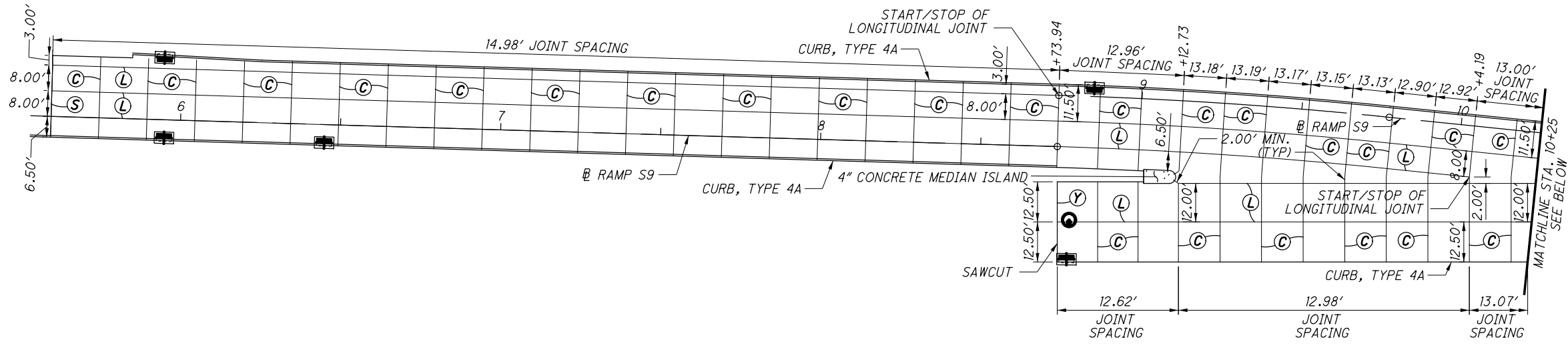
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

LEGEND

- (L) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1, WITHOUT TIE BARS
- (C) CONTRACTION JOINT AS PER BP-2.2
- (Y) BUTT JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP-2.5 SHALL BE PROVIDED. GROUTING AND DRILLING REQUIREMENTS SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT ONE TIME SHALL BE WAIVED.



CALCULATED
CAS
CHECKED
JFM



PAVEMENT JOINT DETAIL RAMP S9

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00
257
298

LEGEND

- (L) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1, WITHOUT TIE BARS
- (C) CONTRACTION JOINT AS PER BP-2.2
- (Y) BUTT JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP-2.5 SHALL BE PROVIDED. GROUTING AND DRILLING REQUIREMENTS SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT ONE TIME SHALL BE WAIVED.

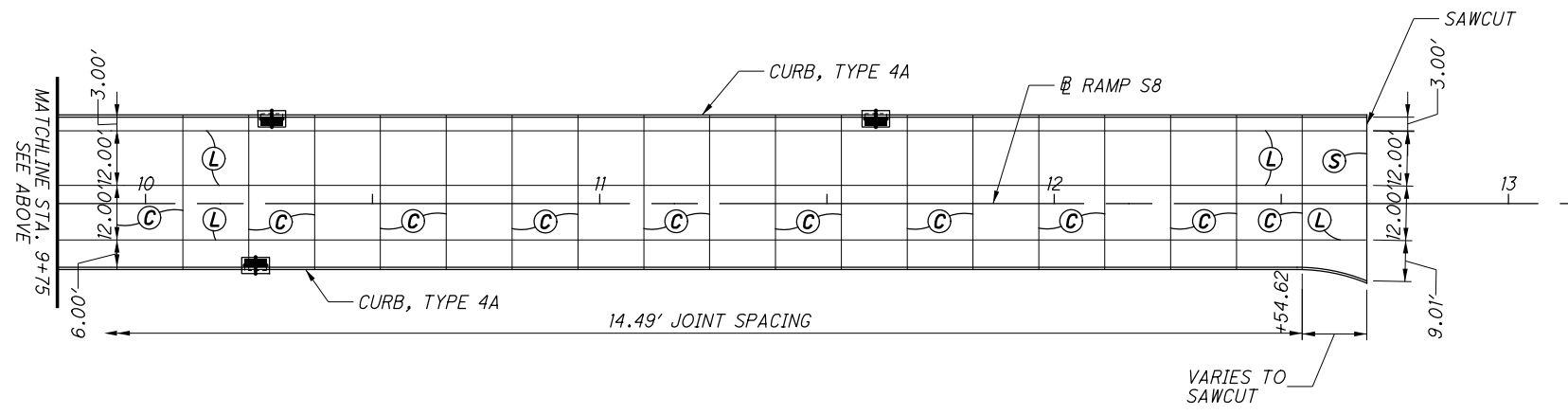
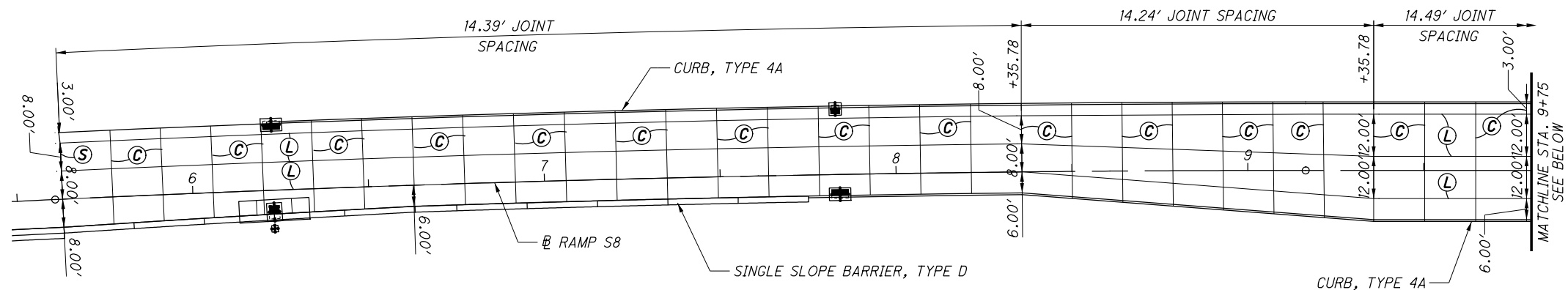
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
CAS

CHECKED
JFM

HORIZONTAL SCALE IN FEET



PAVEMENT JOINT DETAIL RAMP S8

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

LEGEND

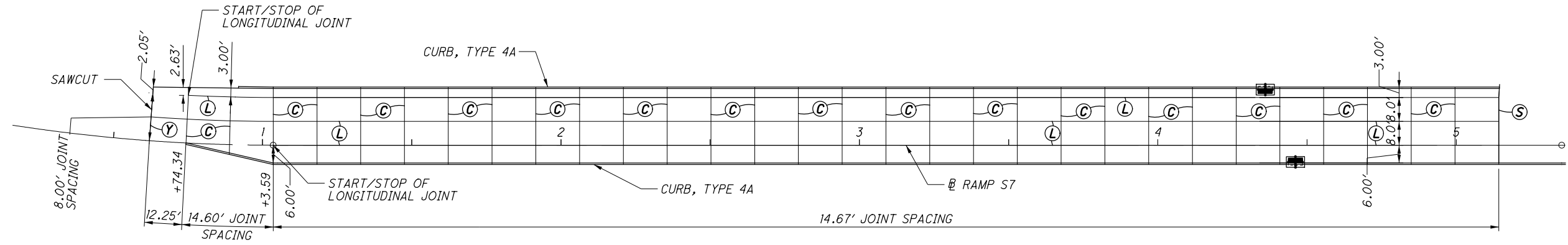
- (L) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1, WITHOUT TIE BARS
- (C) CONTRACTION JOINT AS PER BP-2.2
- (Y) BUTT JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP-2.5 SHALL BE PROVIDED. GROUTING AND DRILLING REQUIREMENTS SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT ONE TIME SHALL BE WAIVED.

Released for Construction
 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
 CAS
 CHECKED
 JFM

HORIZONTAL SCALE IN FEET



Released for Construction
Thomas J Powell, PE
03/17/2022

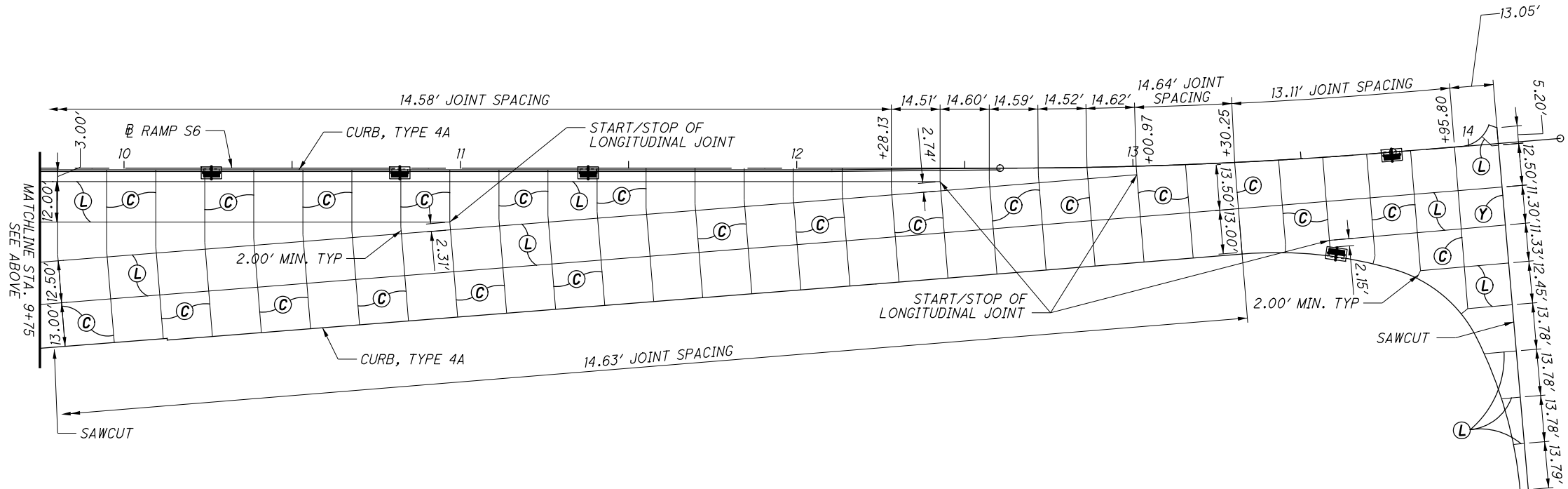
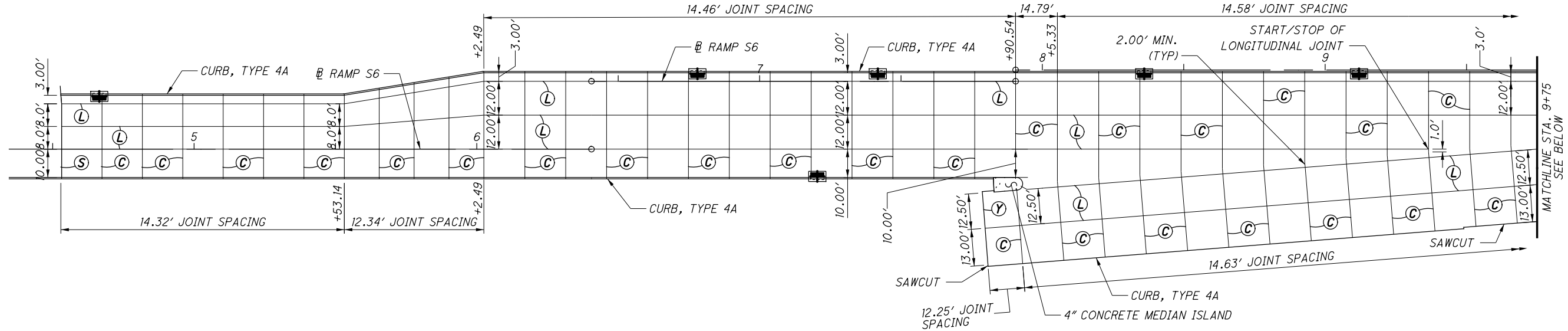
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

LEGEND

- (L) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1, WITHOUT TIE BARS
- (C) CONTRACTION JOINT AS PER BP-2.2
- (Y) BUTT JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP-2.5 SHALL BE PROVIDED. GROUTING AND DRILLING REQUIREMENTS SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT ONE TIME SHALL BE WAIVED.



CALCULATED CAS
CHECKED JFM



PAVEMENT JOINT DETAIL RAMP S6

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

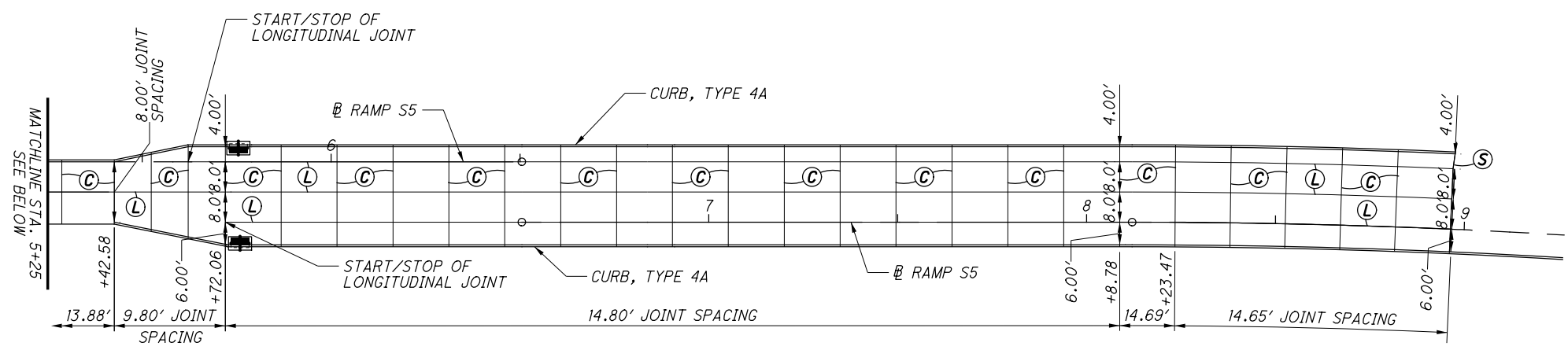
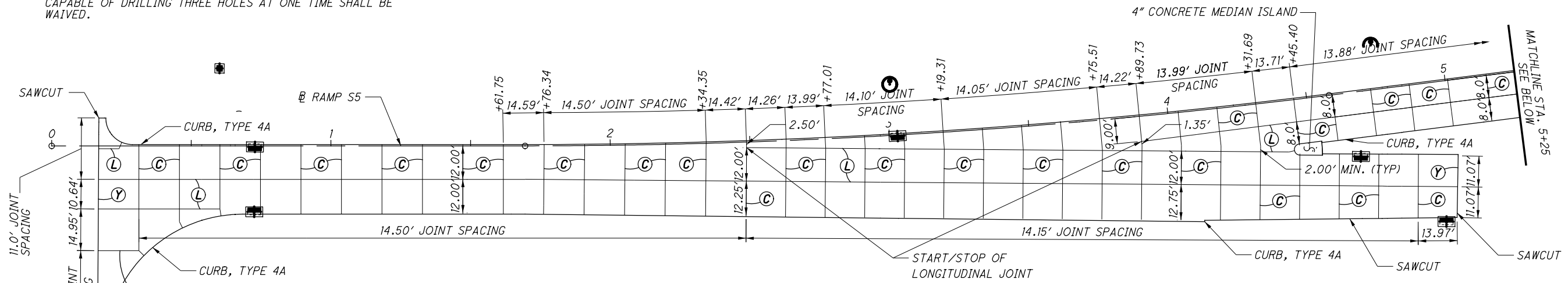
260
298

Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

LEGEND

- (L) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT, AS PER BP-2.1, WITHOUT TIE BARS
- (C) CONTRACTION JOINT AS PER BP-2.2
- (Y) BUTT JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP-2.5 SHALL BE PROVIDED. GROUTING AND DRILLING REQUIREMENTS SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT ONE TIME SHALL BE WAIVED.



PAVEMENT JOINT DETAIL RAMP S5

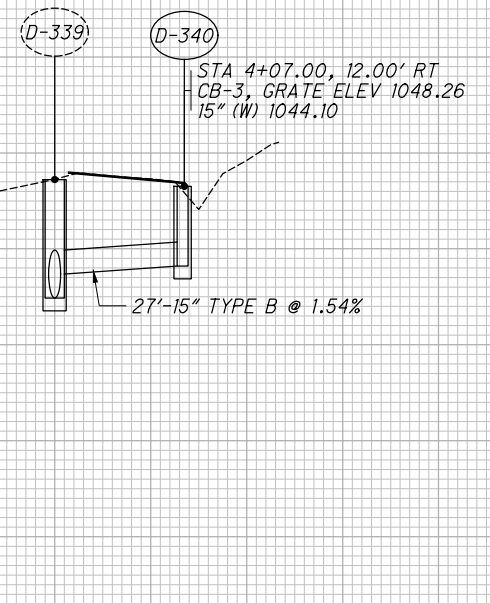
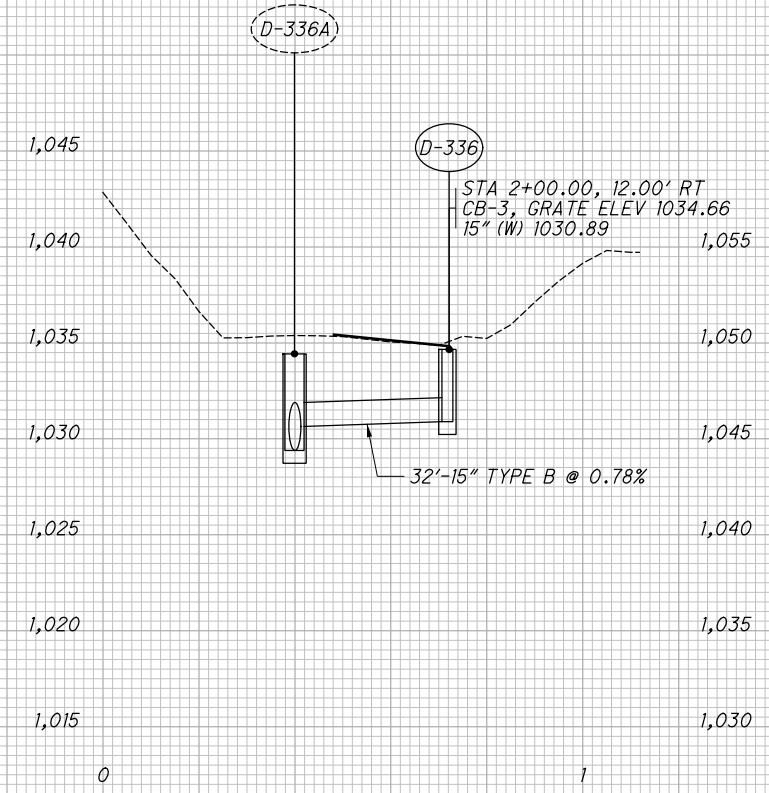
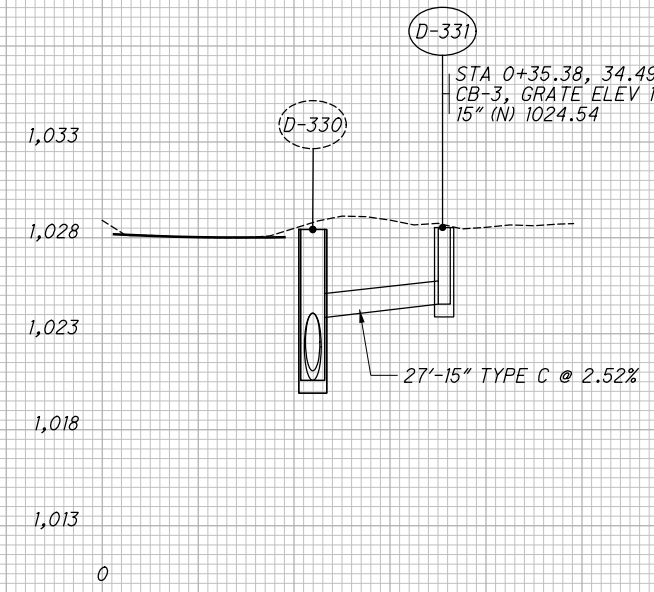
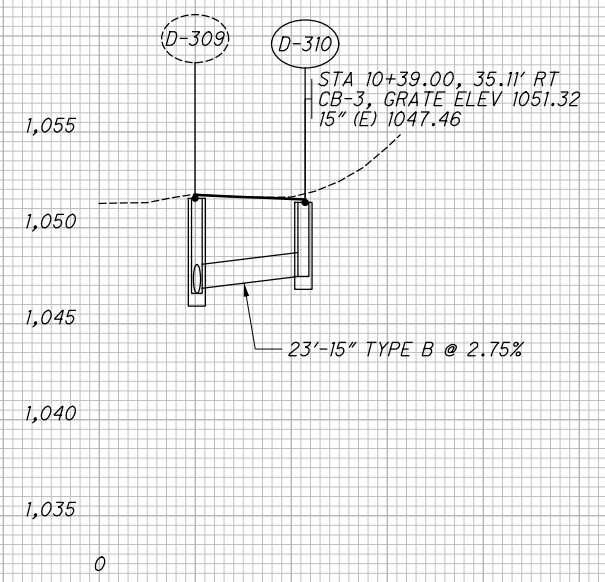
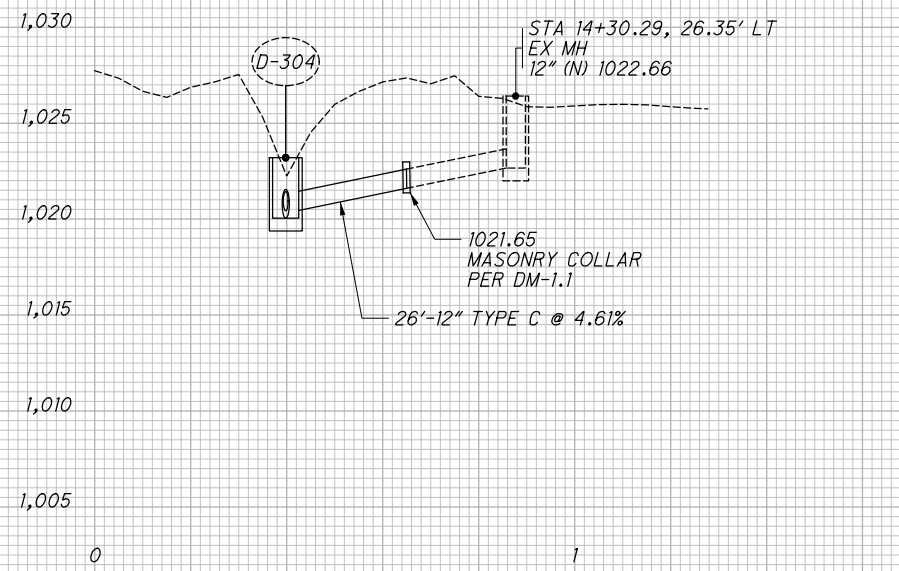
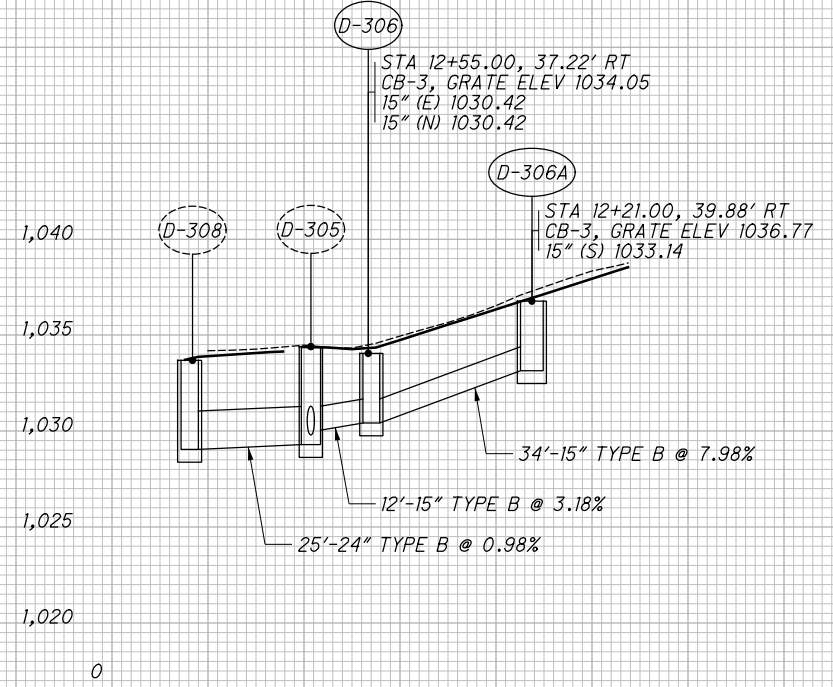
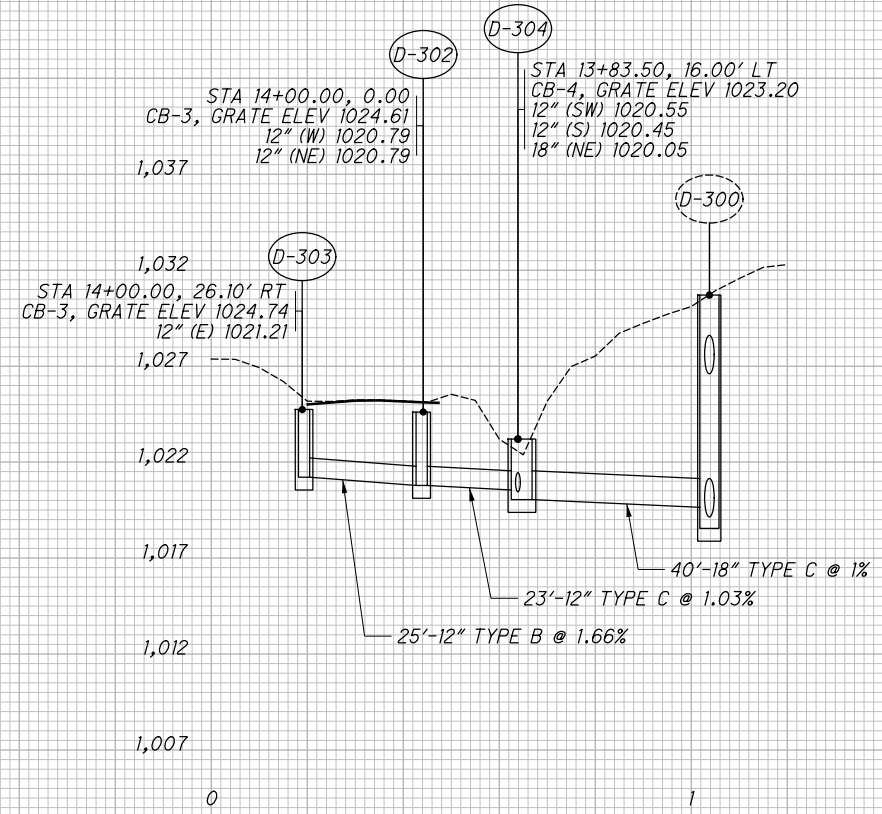
2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00



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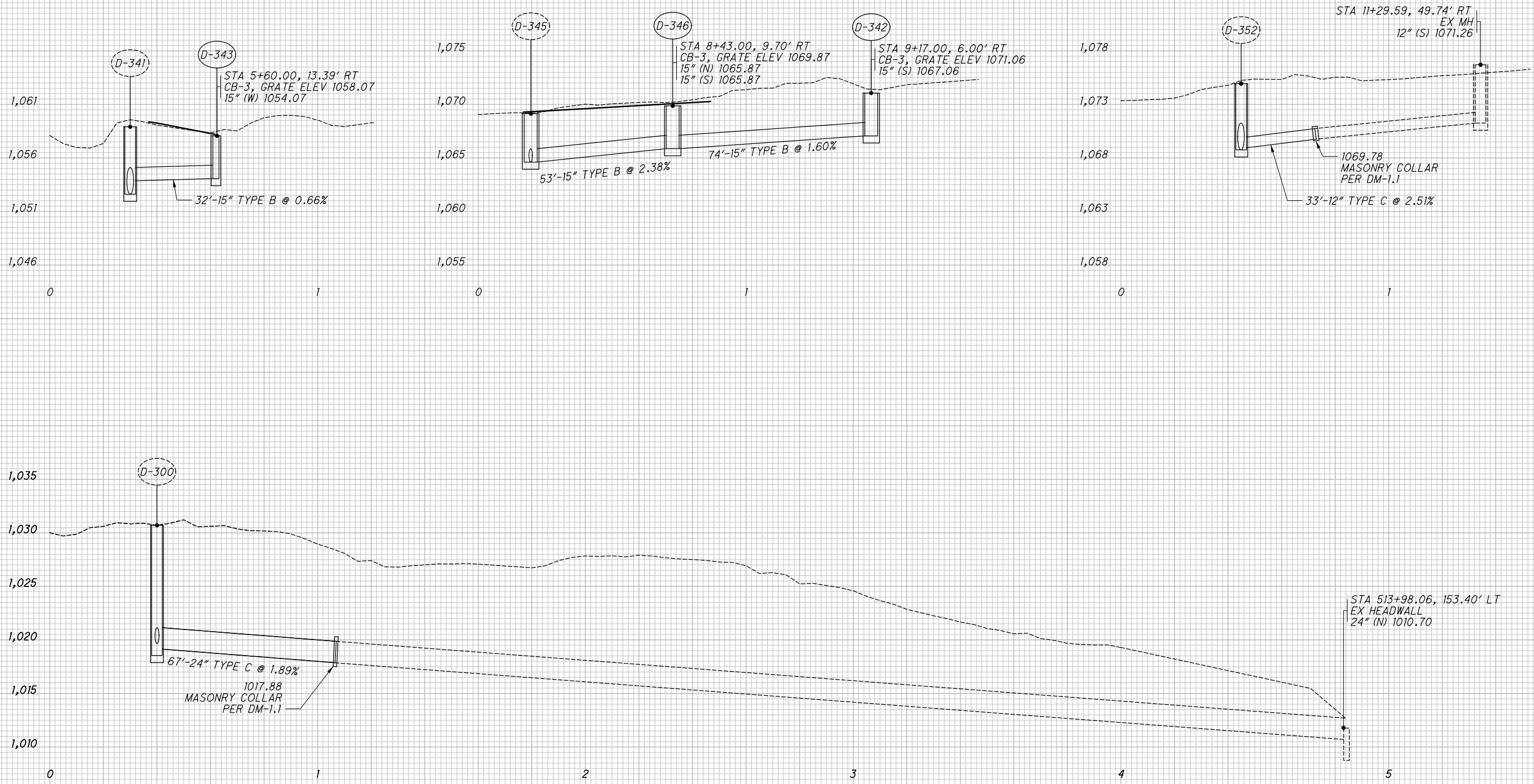
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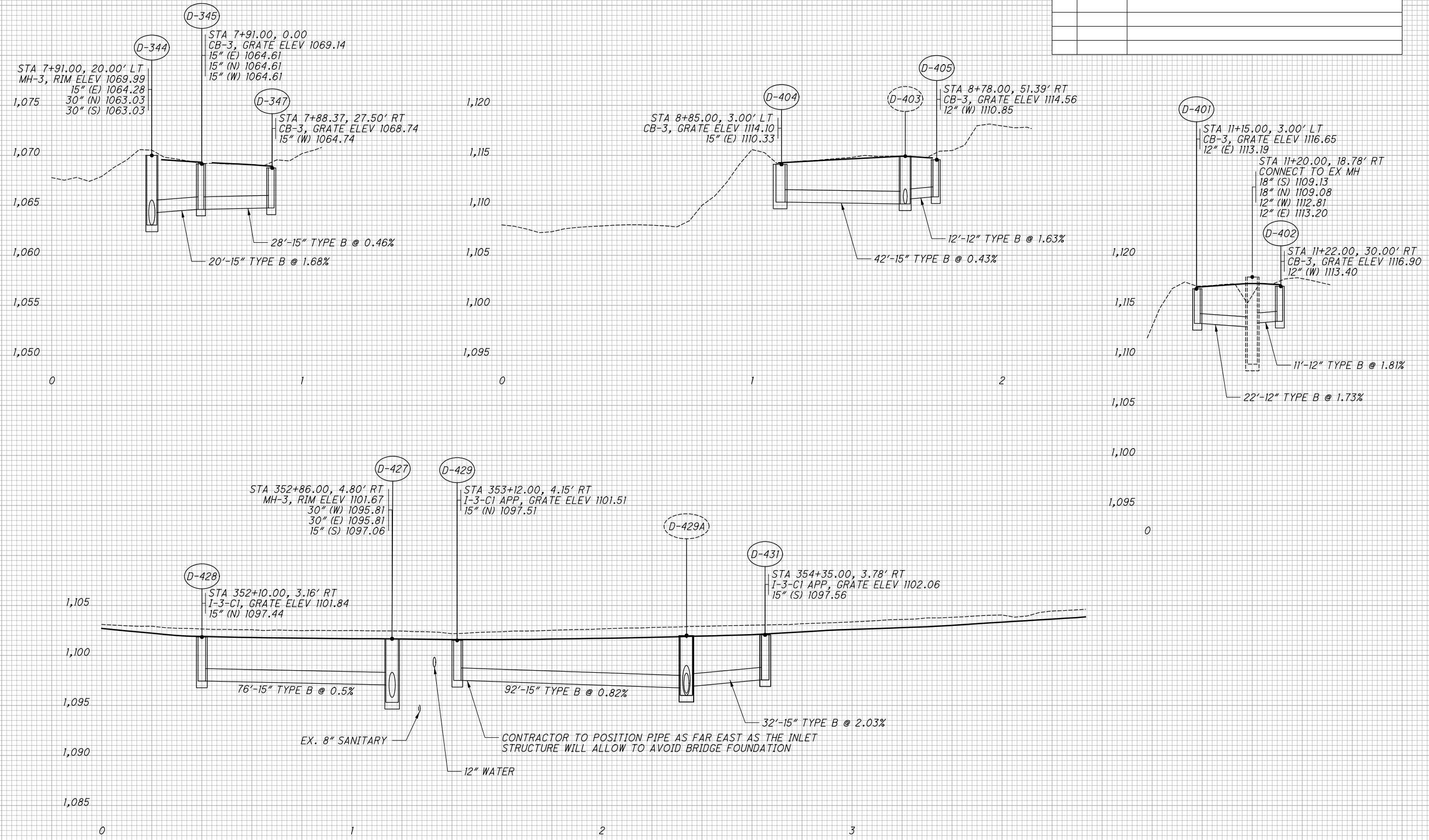
STORM SEWER PROFILE - I.R. 77

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

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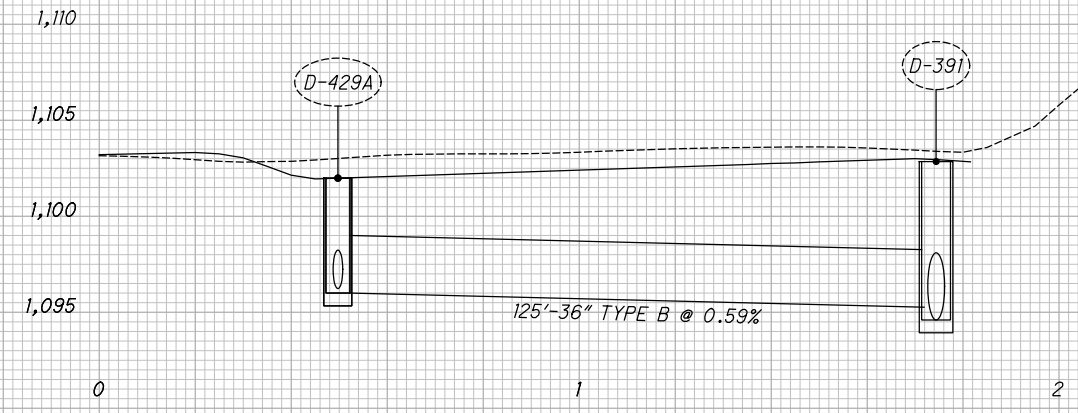
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NO.	DATE	DESCRIPTION



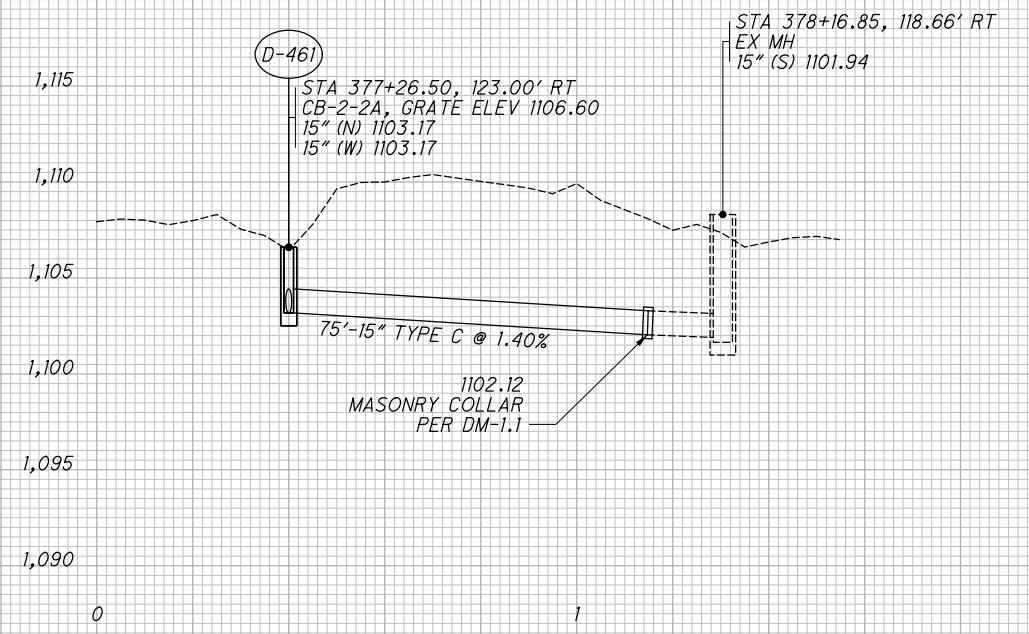
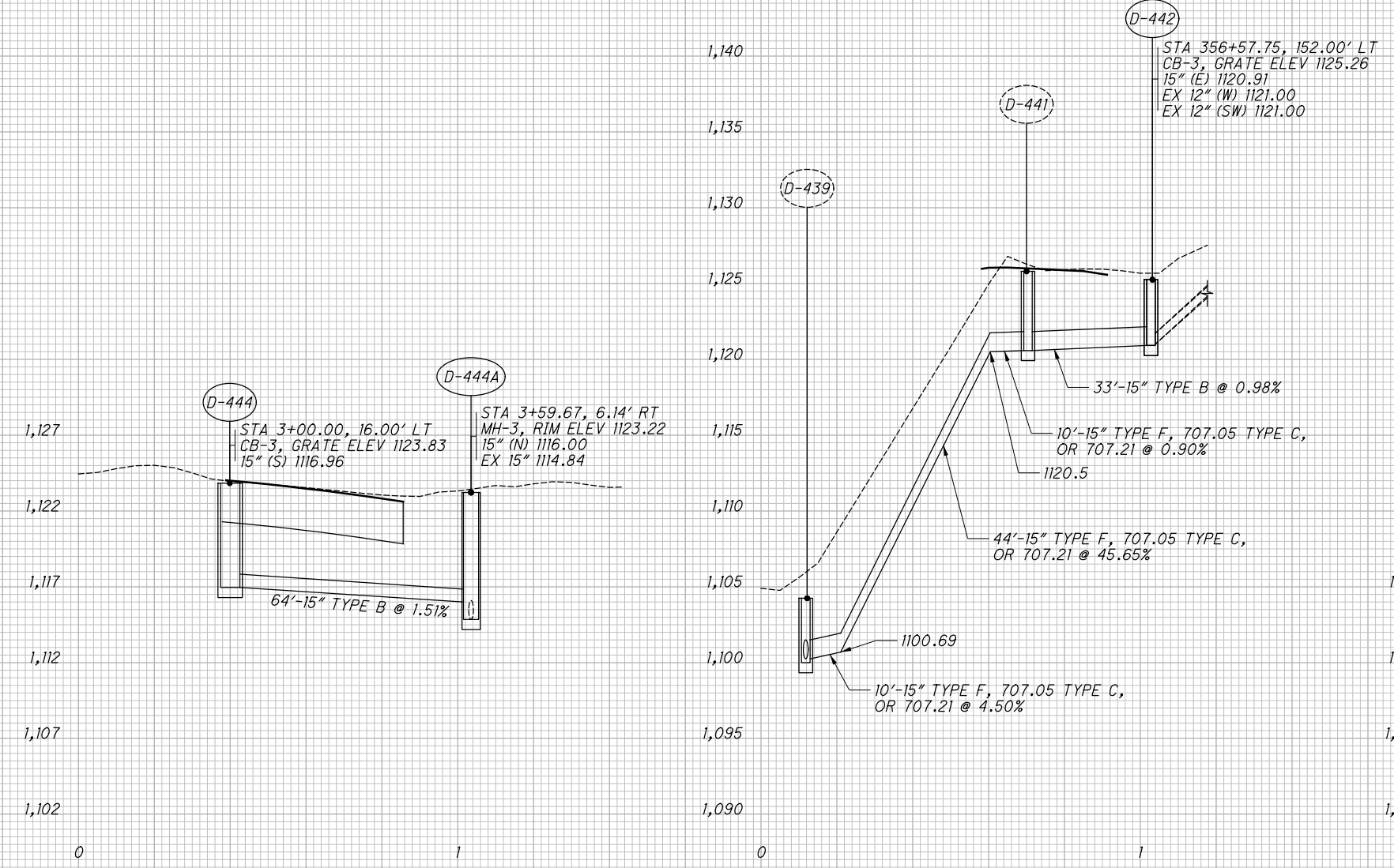
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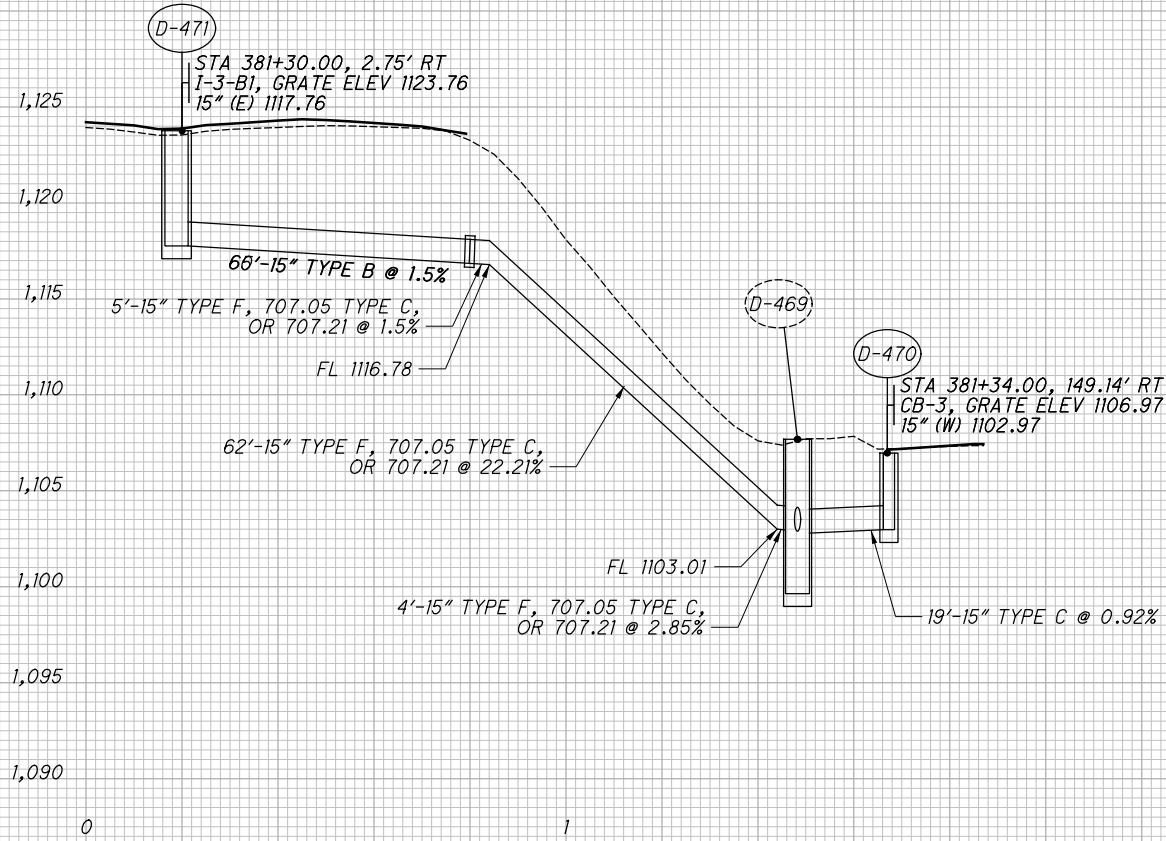
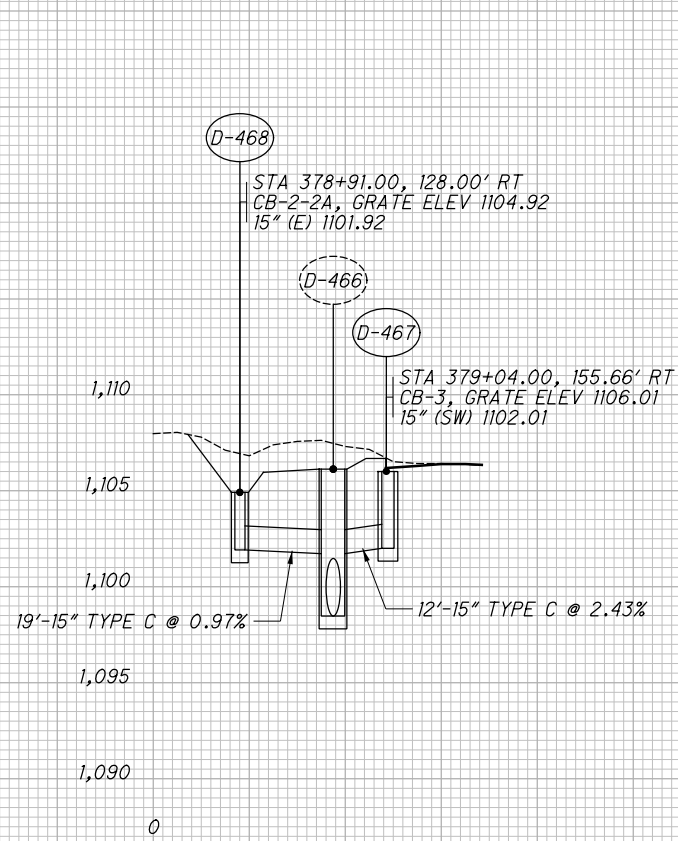
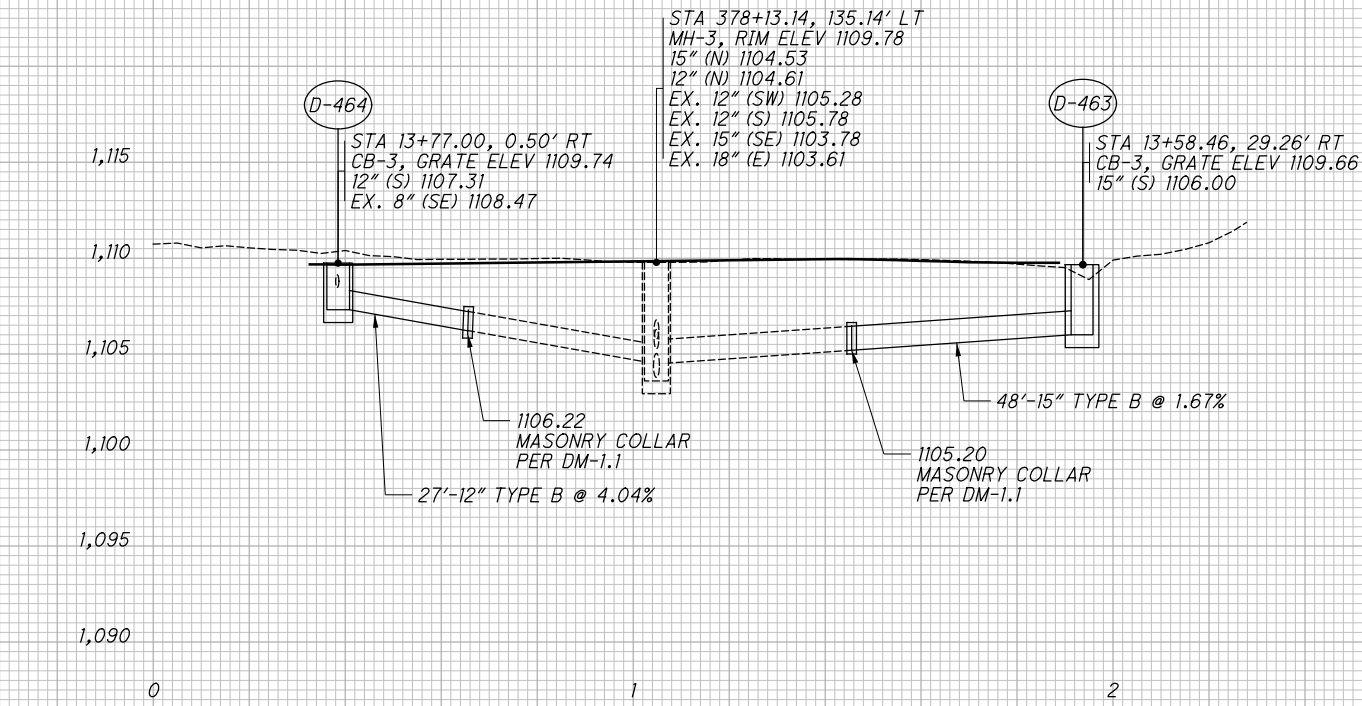
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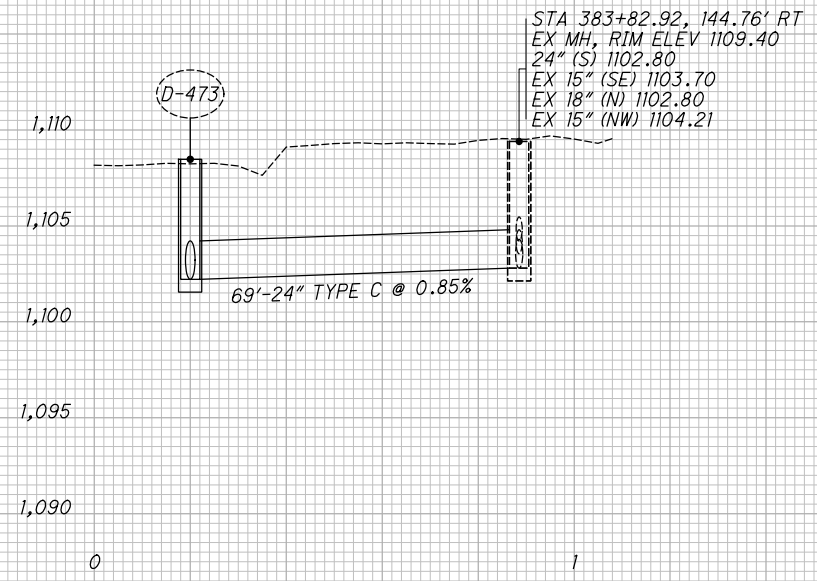
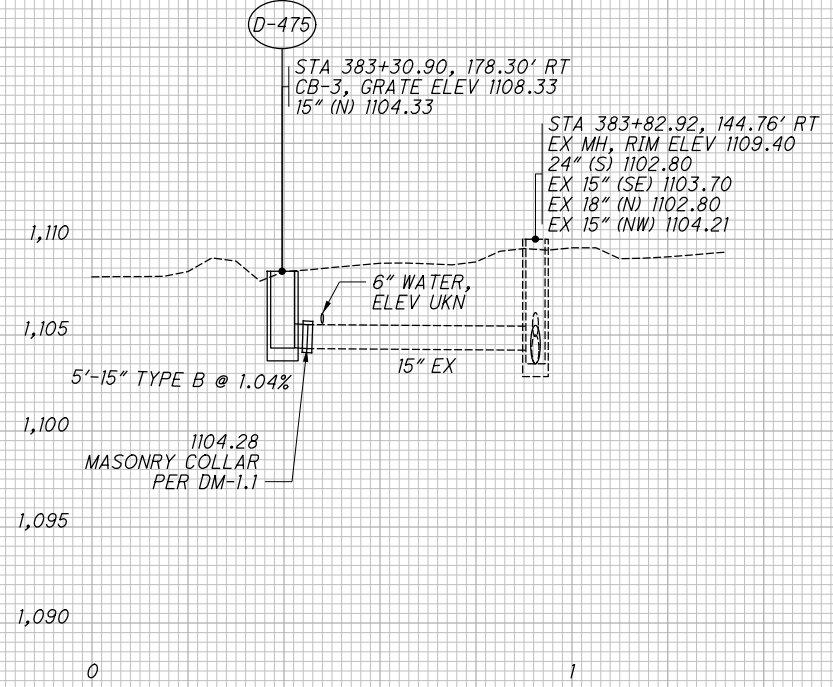
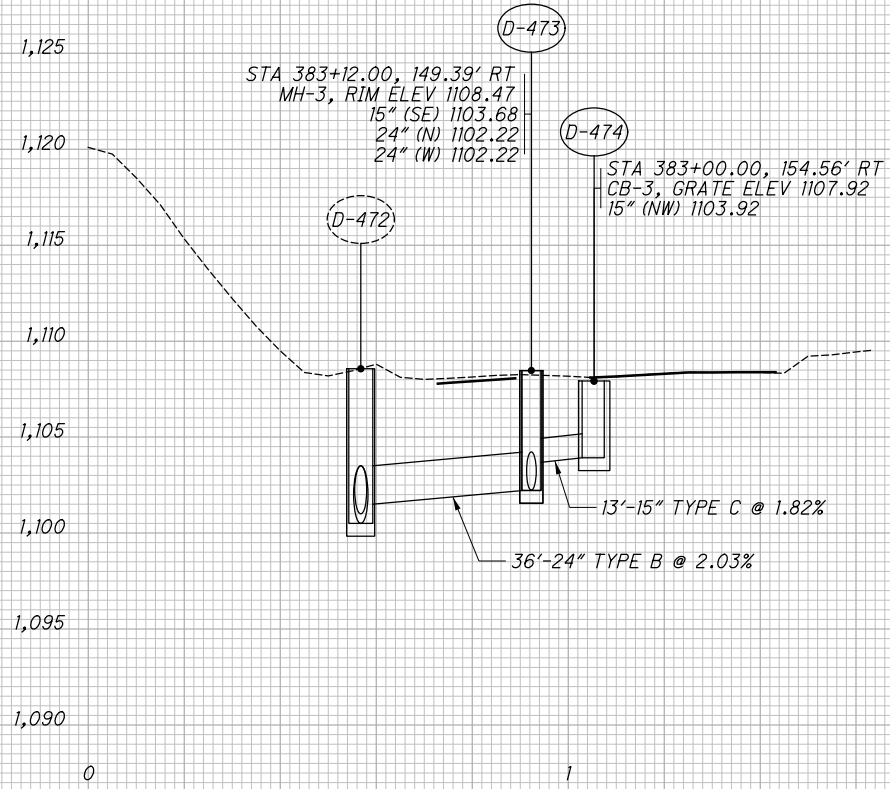
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STORM SEWER PROFILE - I.R. 77

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 8.24 / 9.74 / 0.00

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NO.	DATE	DESCRIPTION



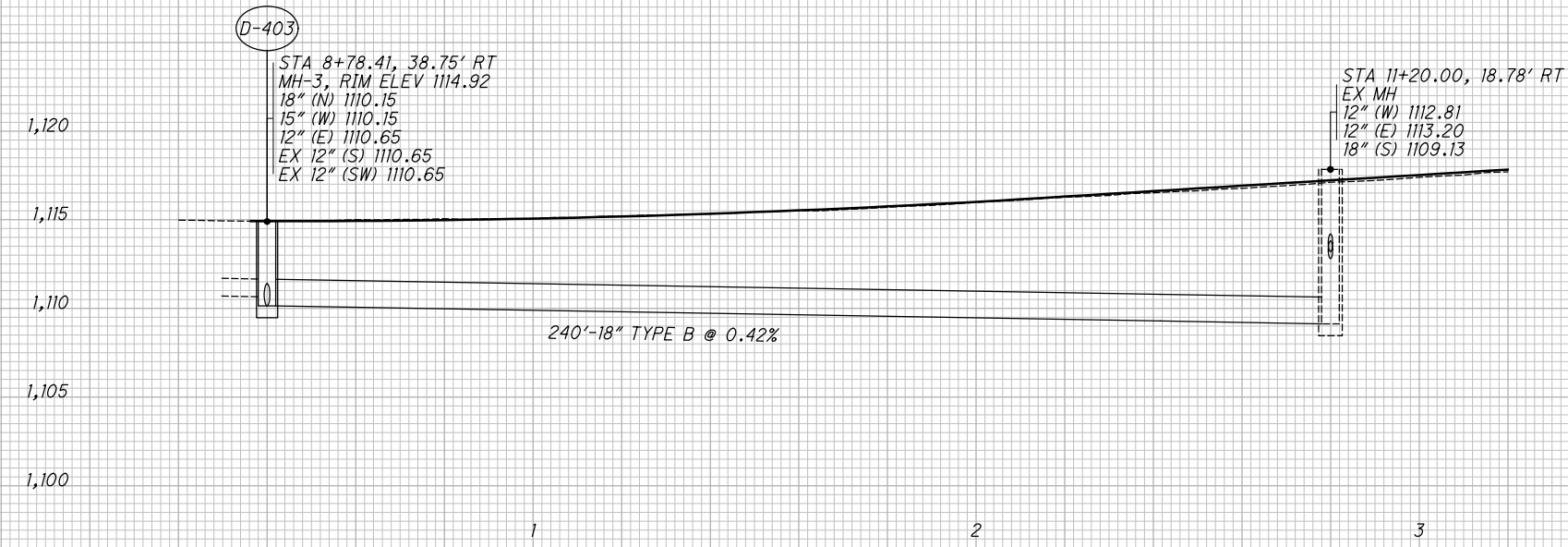
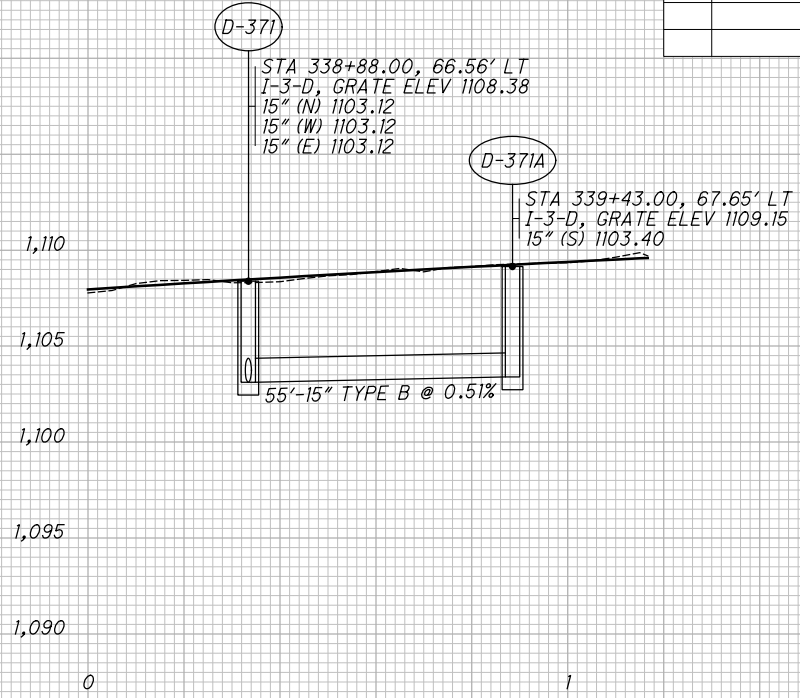
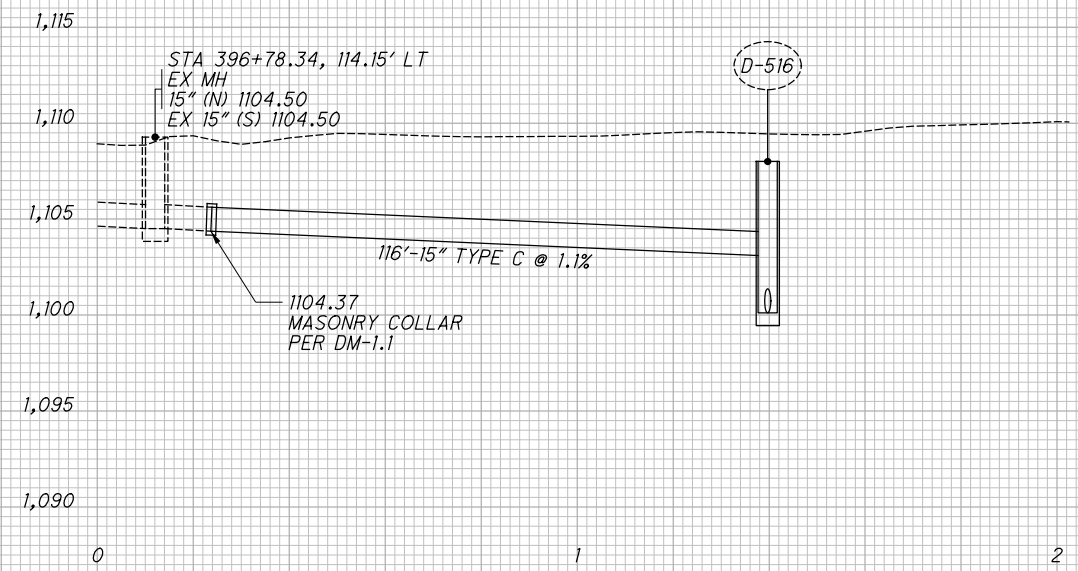
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STORM SEWER PROFILE - I.R. 77

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
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ISSUE RECORD		
NO.	DATE	DESCRIPTION



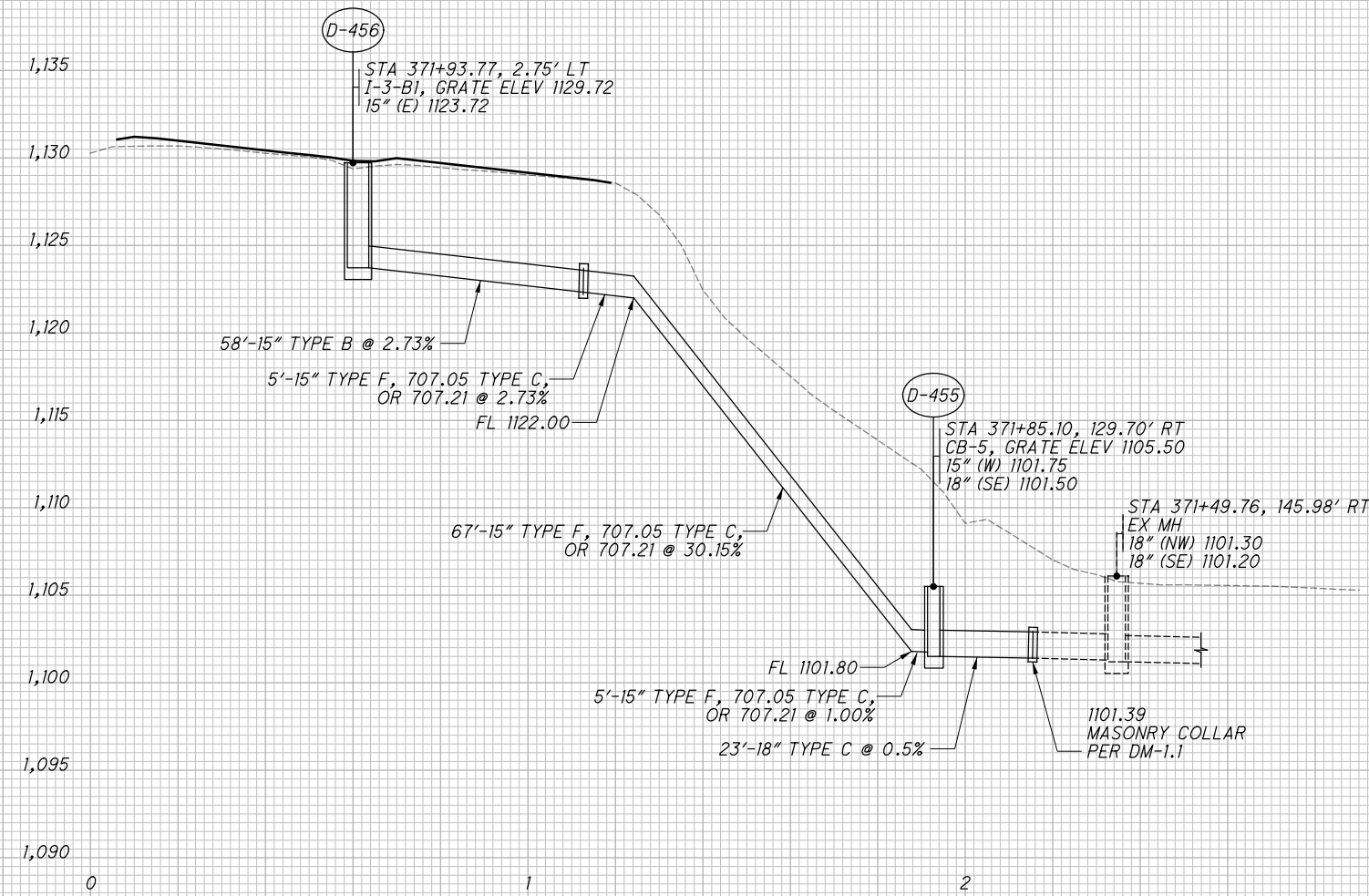
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STORM SEWER PROFILE - I.R. 77

2022-03-02-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

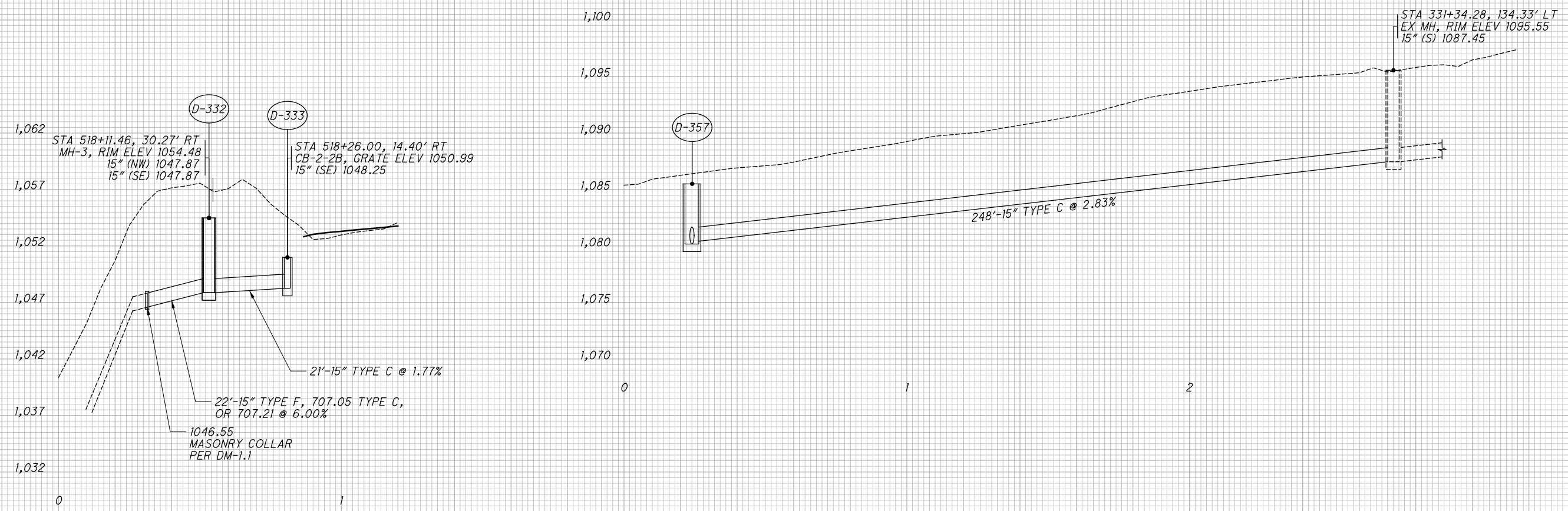
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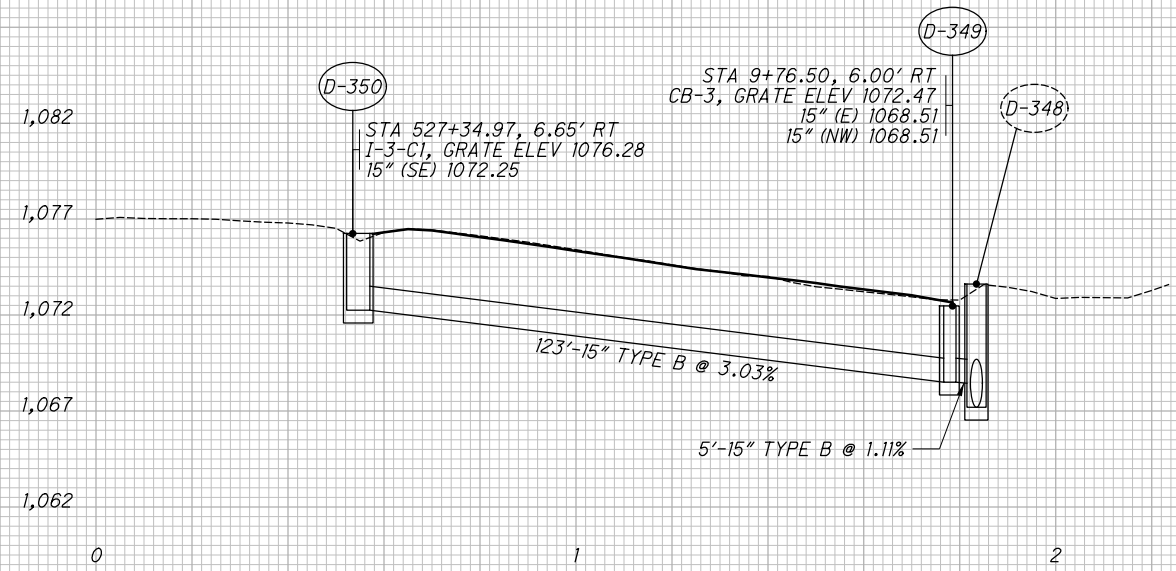
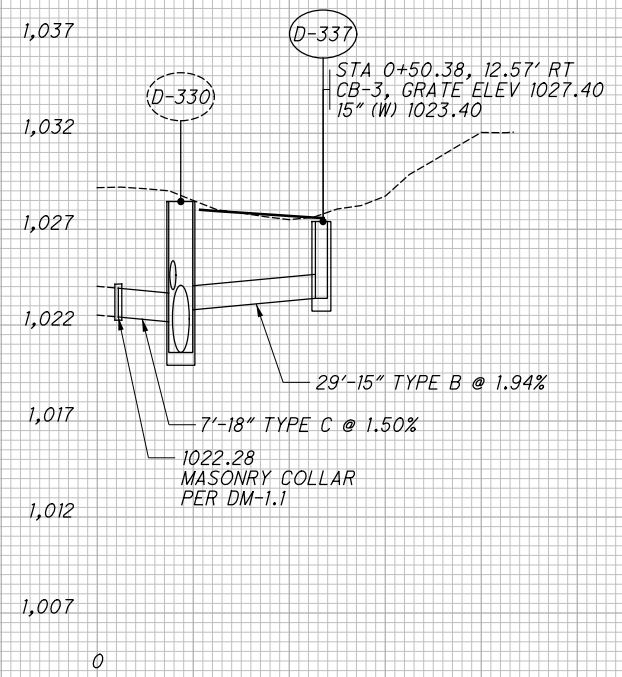


STORM SEWER PROFILE - I.R. 77

2022-03-02-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

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2022-03-02-BU-34-RFC PLANS
 SUM-76 / 77 / 8-
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 STORM SEWER PROFILE - I.R. 77

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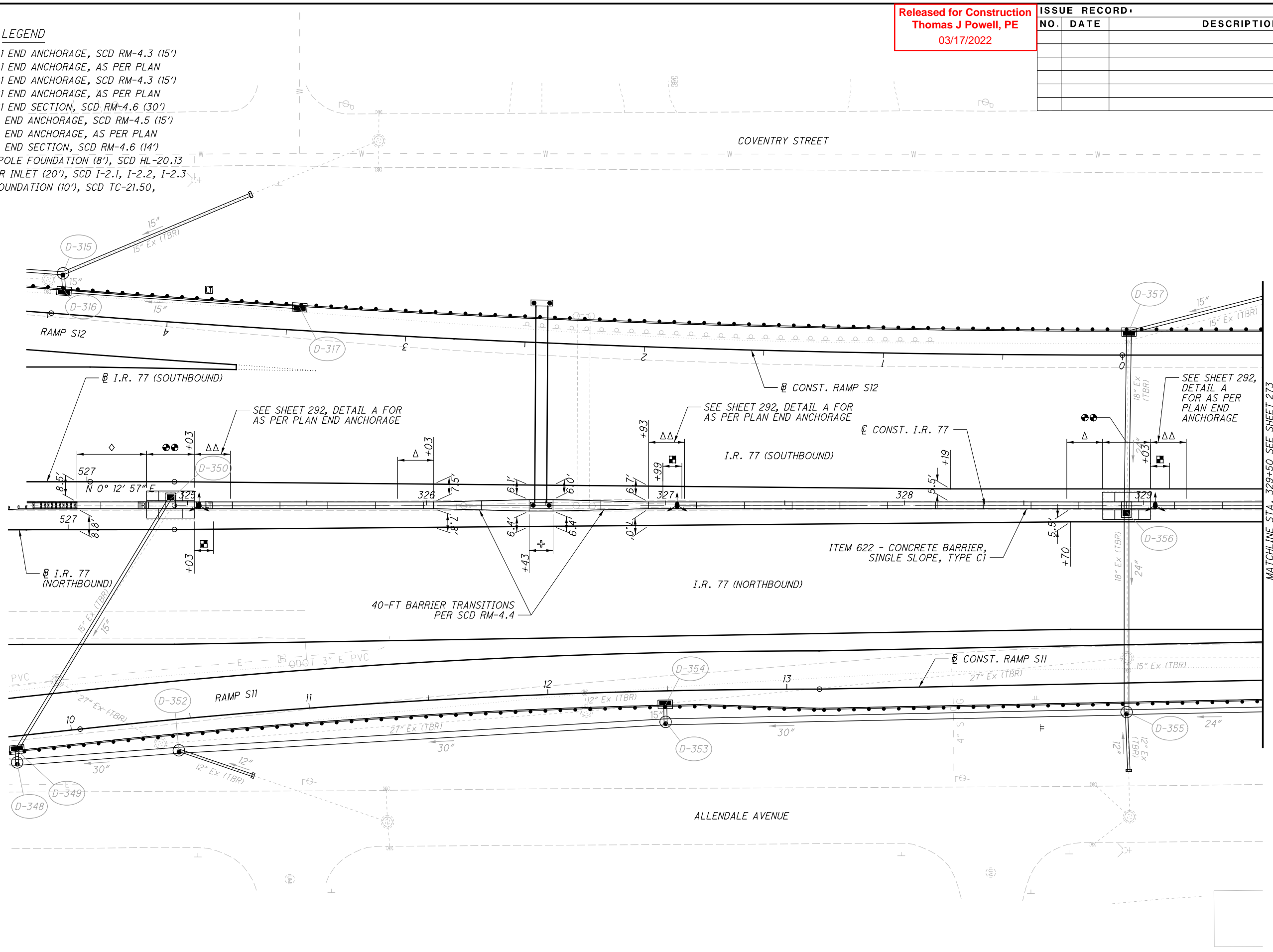
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED ASB CHECKED JFM

HORIZONTAL SCALE IN FEET

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,



BARRIER DETAILS - I.R. 77
STA. 526+75 TO STA. 329+50

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
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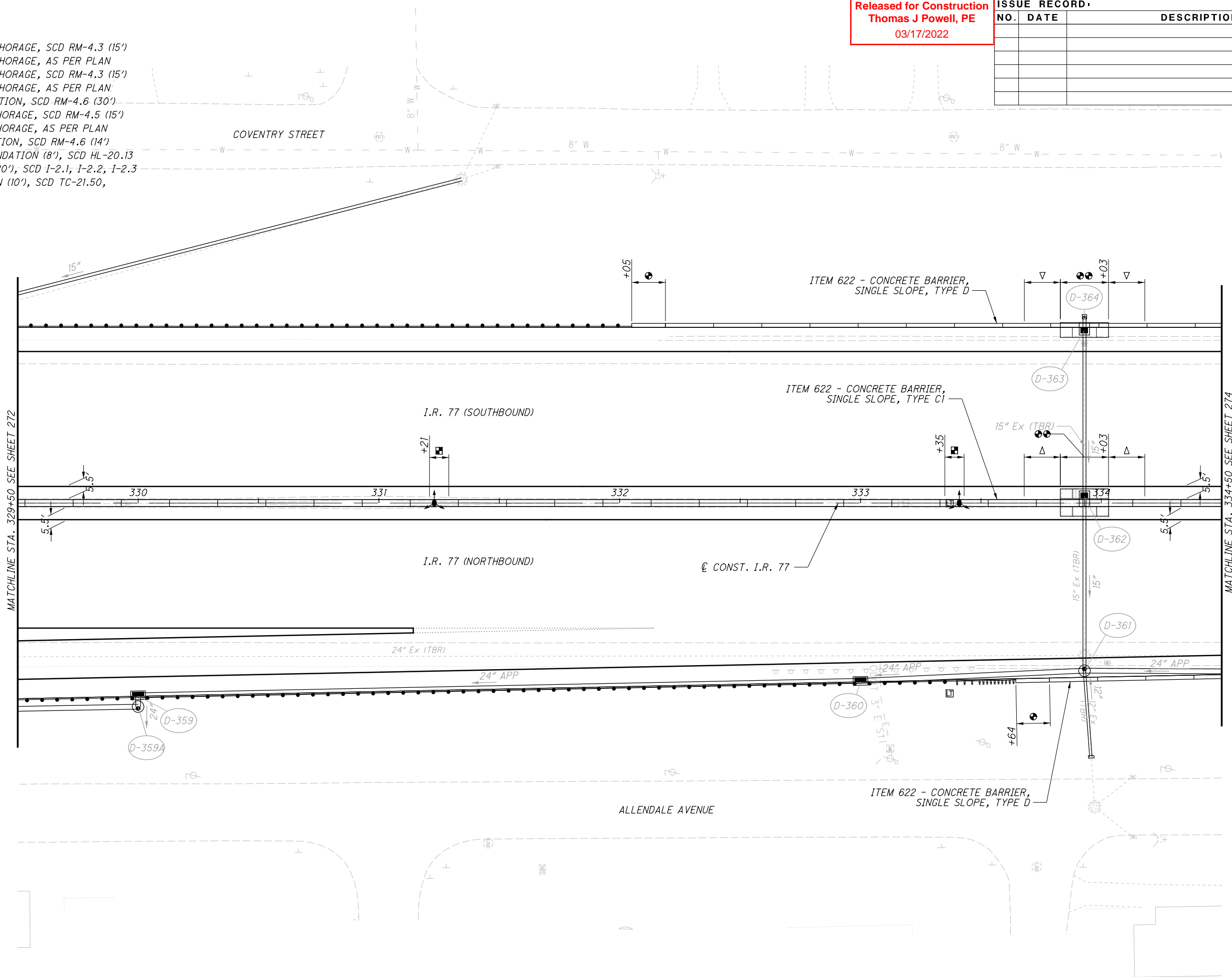
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NO.	DATE	DESCRIPTION

CALCULATED ASB
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0 20 40
 HORIZONTAL SCALE IN FEET

North Arrow



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

BARRIER DETAILS - I.R. 77
 STA. 329+50 TO STA. 334+50

273
 297

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

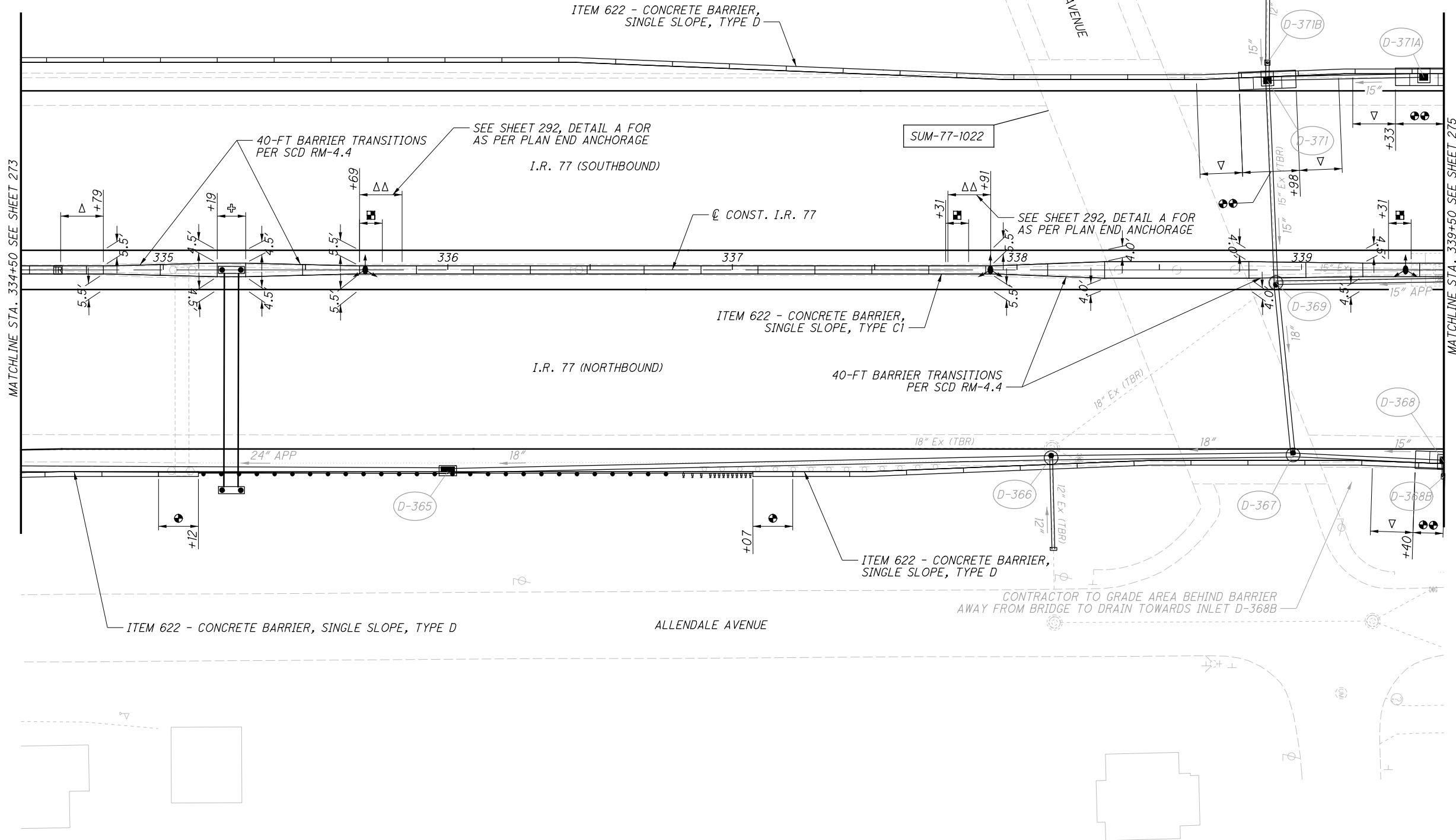
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NO.	DATE	DESCRIPTION

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HORIZONTAL SCALE IN FEET



BARRIER DETAILS - I.R. 77
 STA. 334+50 TO STA. 339+50

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

274
297

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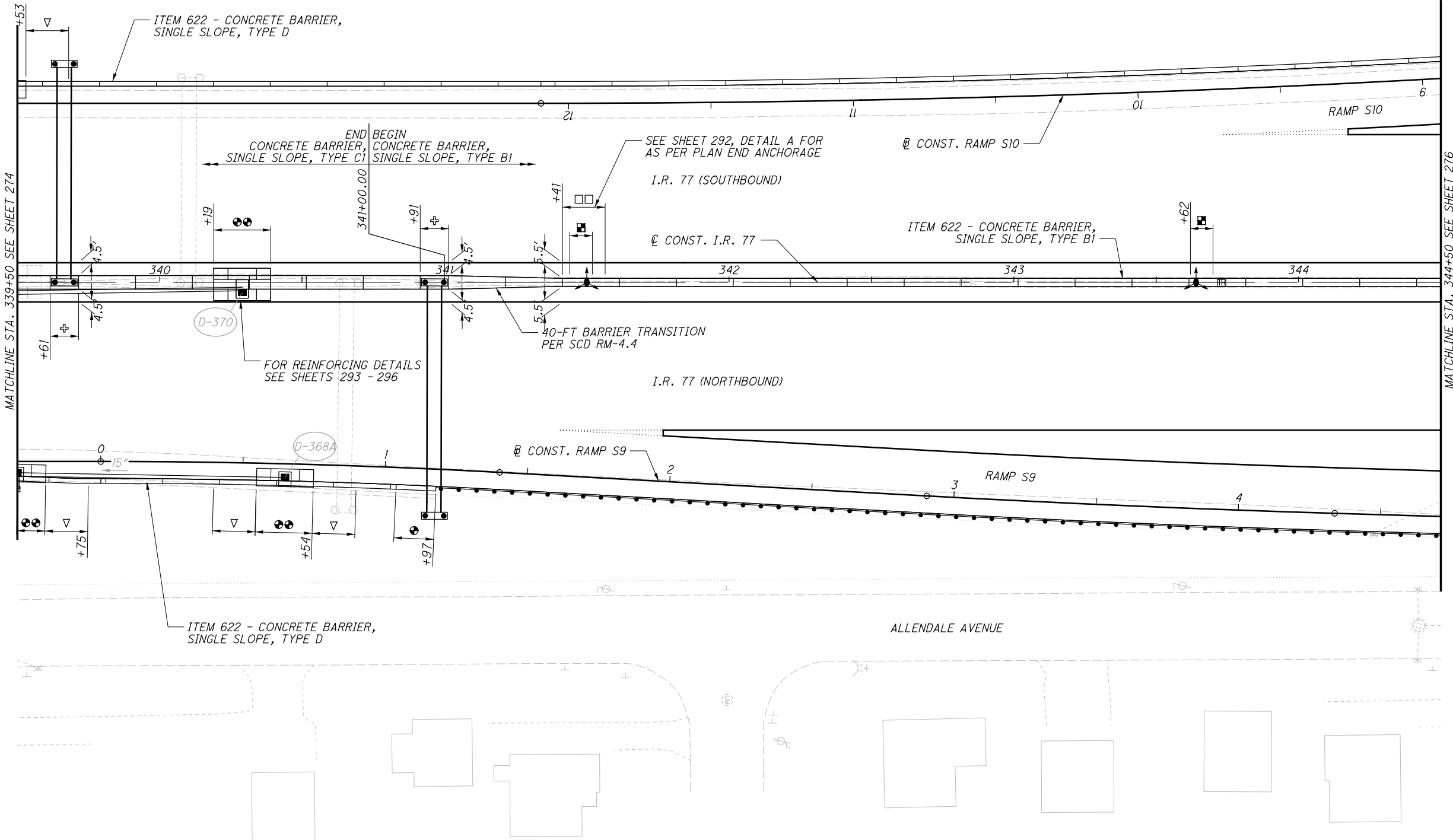
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NO.	DATE	DESCRIPTION

CALCULATED ASB
CHECKED JFM

HORIZONTAL SCALE IN FEET

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,



BARRIER DETAILS - I.R. 77
STA. 339+50 TO STA. 344+50

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

LEGEND

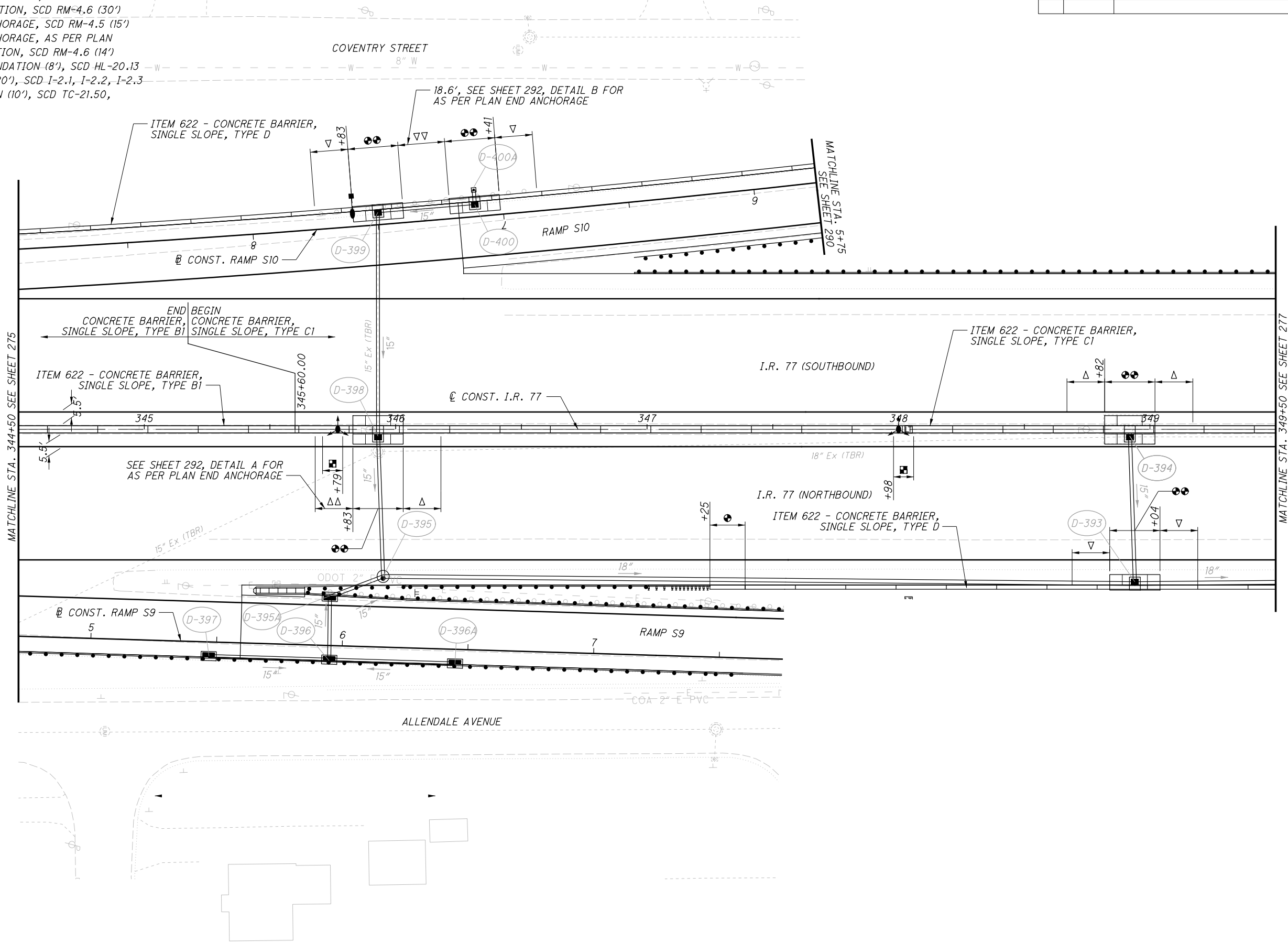
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- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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HORIZONTAL SCALE IN FEET



BARRIER DETAILS - I.R. 77
STA. 344+50 TO STA. 349+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

LEGEND

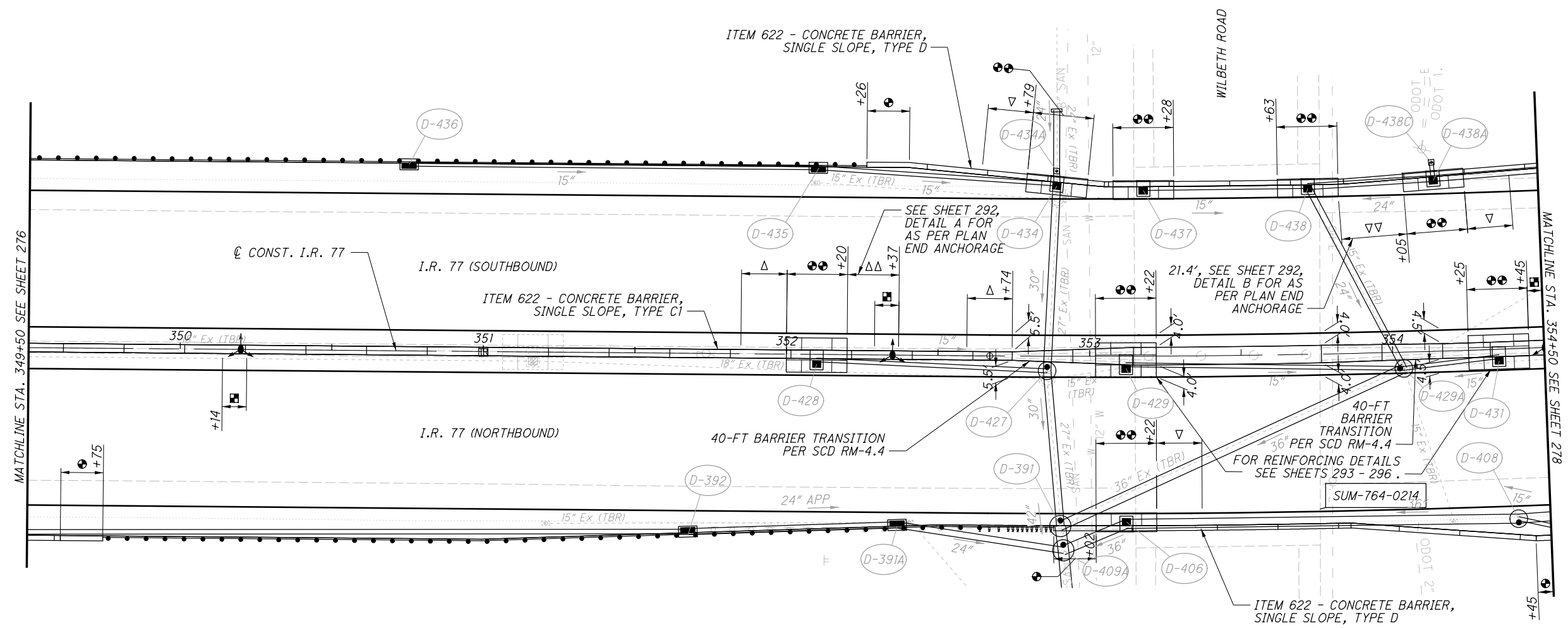
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- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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HORIZONTAL SCALE IN FEET



BARRIER DETAILS - I.R. 77
STA. 349+50 TO STA. 354+50

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

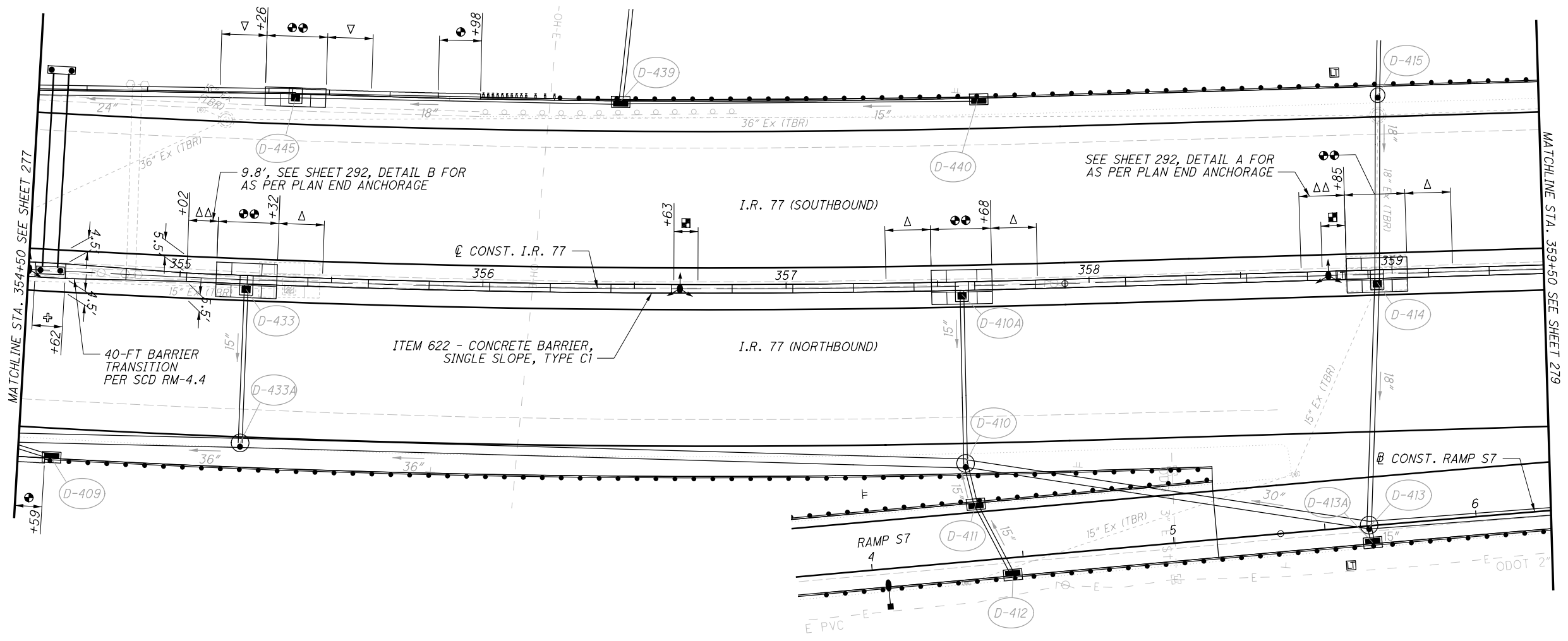
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NO.	DATE	DESCRIPTION

CALCULATED ASB
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HORIZONTAL SCALE IN FEET

- LEGEND**
- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
 - TYPE B1 END ANCHORAGE, AS PER PLAN
 - △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
 - △△ TYPE C1 END ANCHORAGE, AS PER PLAN
 - ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
 - ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
 - ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
 - TYPE D END SECTION, SCD RM-4.6 (14')
 - LIGHT POLE FOUNDATION (8'), SCD HL-20.13
 - ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
 - ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,



BARRIER DETAILS - I.R. 77
STA. 354+50 TO STA. 359+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊙ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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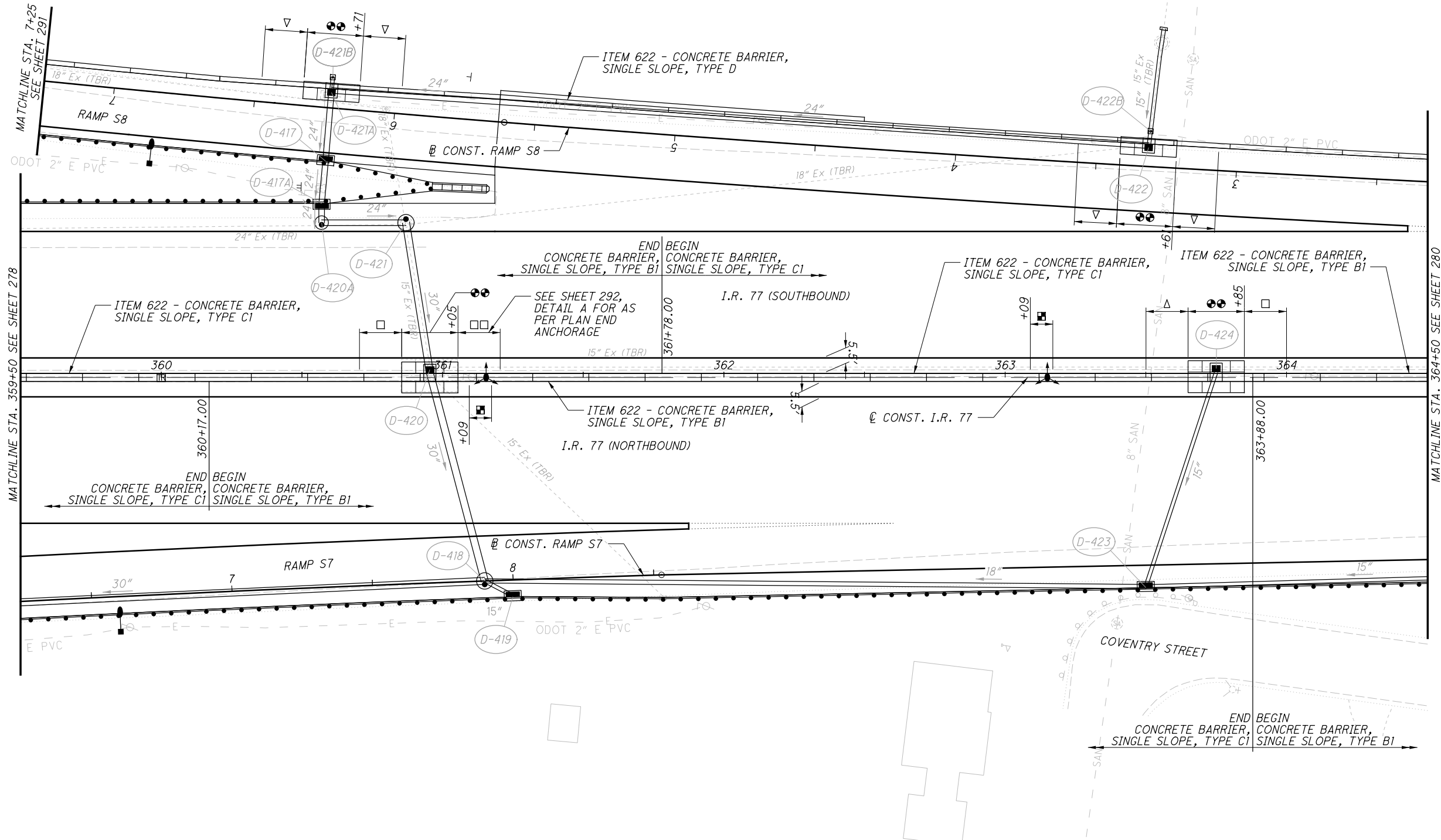
ISSUE RECORD:

NO.	DATE	DESCRIPTION

CALCULATED ASB CHECKED JFM

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 10
 HORIZONTAL SCALE IN FEET

North Arrow



BARRIER DETAILS - I.R. 77
 STA. 359+50 TO STA. 364+50

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

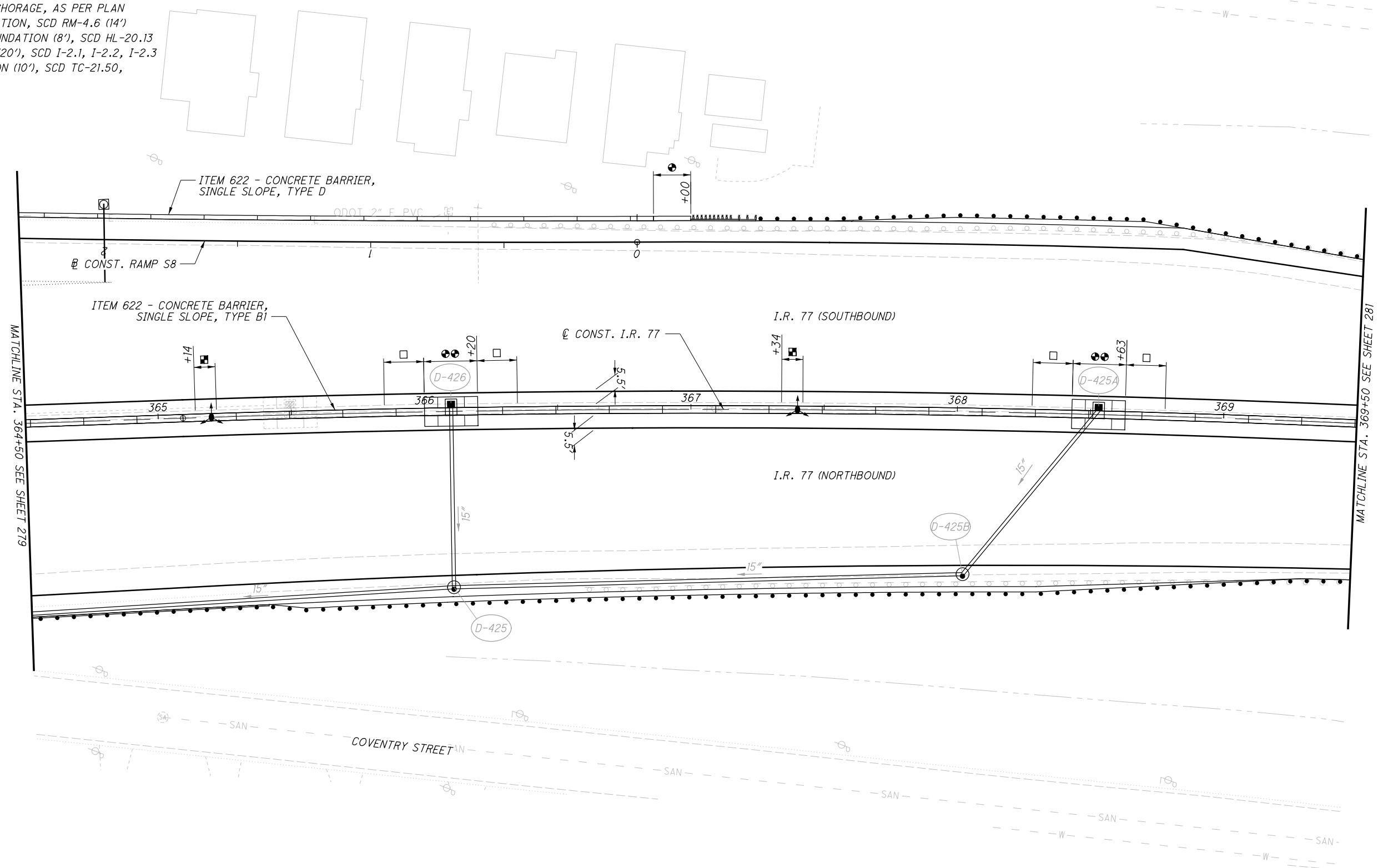
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NO.	DATE	DESCRIPTION



CALCULATED ASB
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 HORIZONTAL SCALE IN FEET



2022-03-02-BU 34-RFC PLANS

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

280
 297

BARRIER DETAILS - I.R. 77
 STA. 364+50 TO STA. 369+50

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽ TYPE D END ANCHORAGE, AS PER PLAN
- ▣ TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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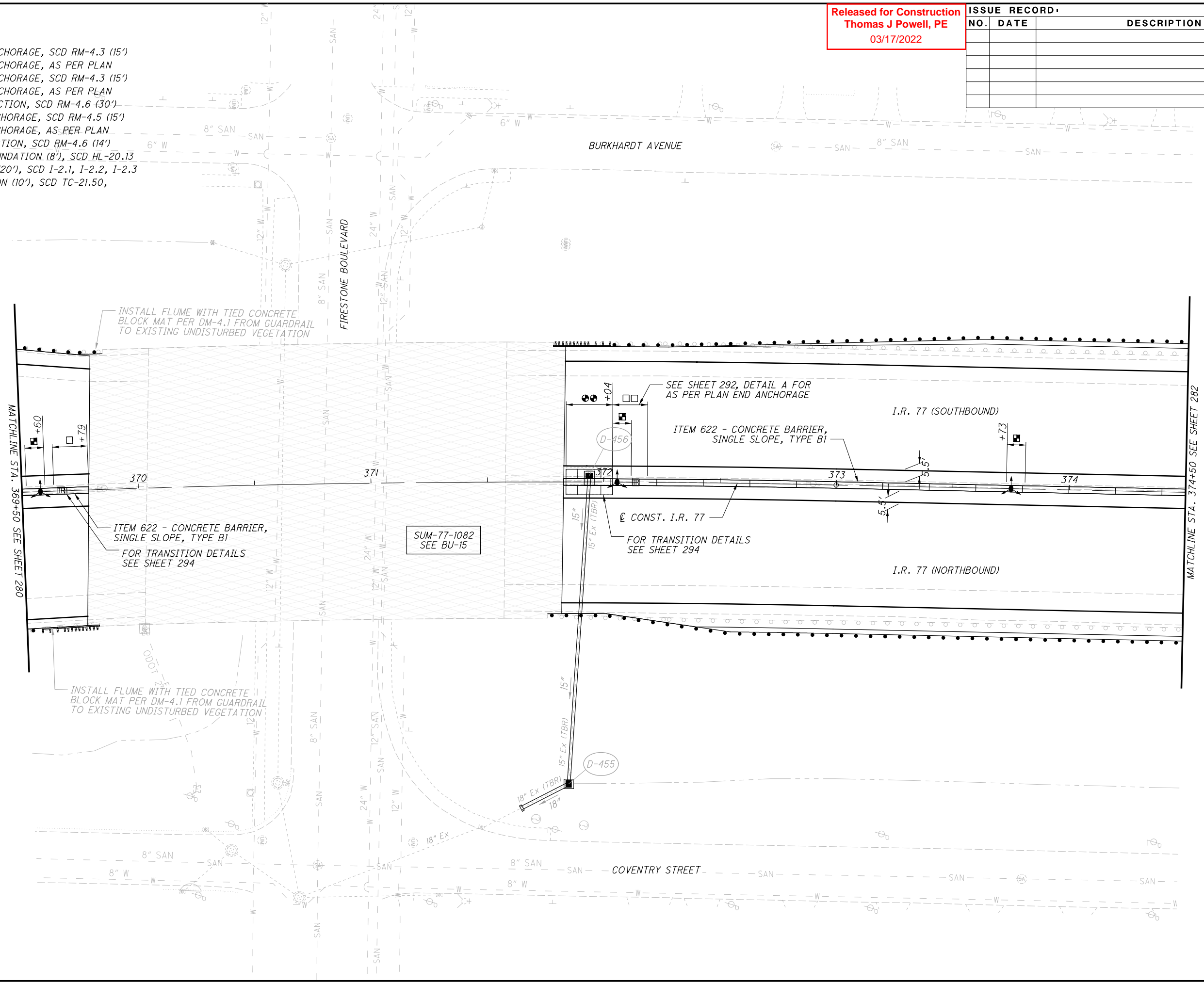
ISSUE RECORD:

NO.	DATE	DESCRIPTION

CALCULATED ASB CHECKED JFM

0 20 40
 10 HORIZONTAL SCALE IN FEET

North Arrow



MATCHLINE STA. 369+50 SEE SHEET 280

MATCHLINE STA. 374+50 SEE SHEET 282

SUM-77-1082
 SEE BU-15

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

281
 297

BARRIER DETAILS - I.R. 77
 STA. 369+50 TO STA. 374+50

LEGEND

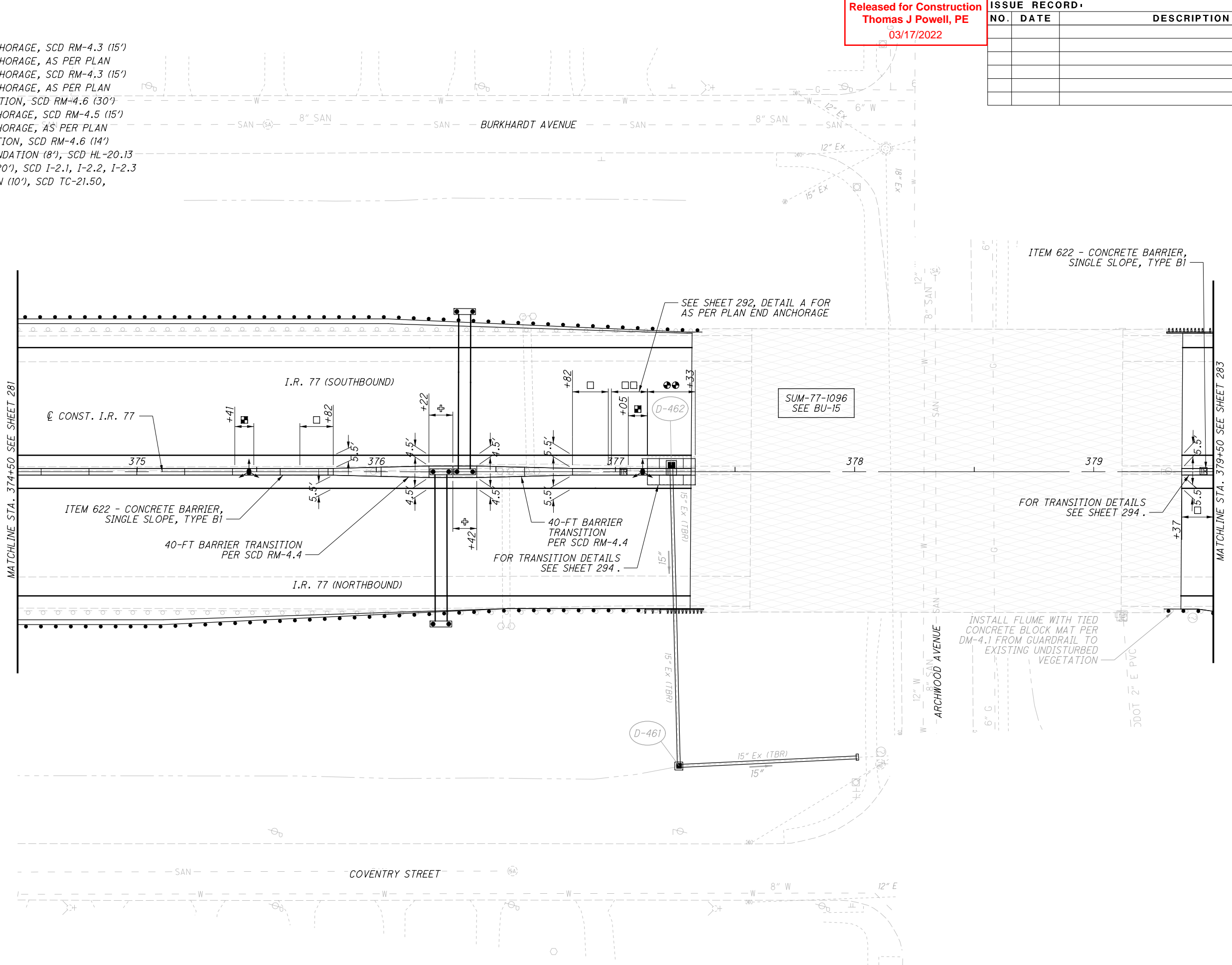
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- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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HORIZONTAL SCALE IN FEET



BARRIER DETAILS - I.R. 77
STA. 374+50 TO STA. 379+50

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

282
297

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

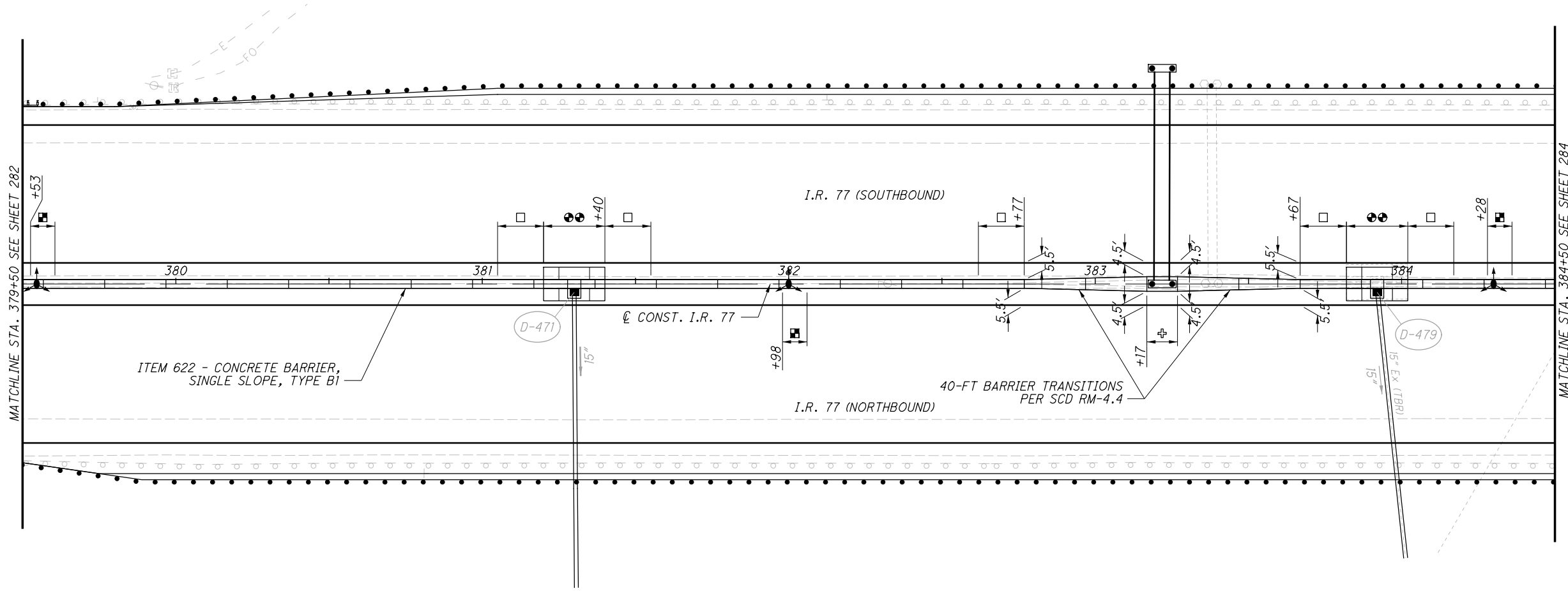
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 Thomas J Powell, PE
 03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED ASB
 CHECKED JFM

0 20 40
 HORIZONTAL SCALE IN FEET

↑ N



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

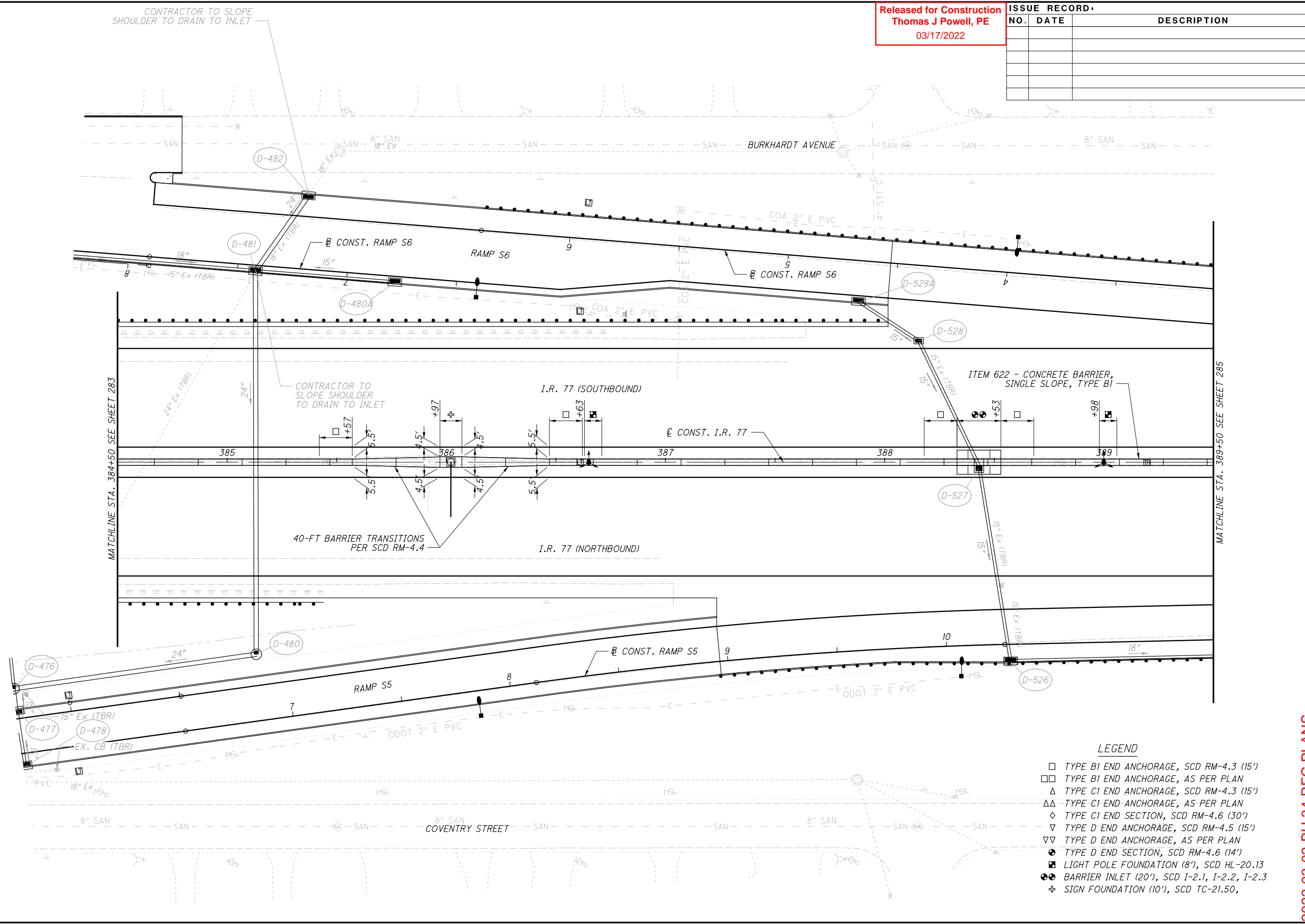
BARRIER DETAILS - I.R. 77
 STA. 379+50 TO STA. 384+50

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- LEGEND**
- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
 - ◻ TYPE B1 END ANCHORAGE, AS PER PLAN
 - △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
 - ◡ TYPE C1 END ANCHORAGE, AS PER PLAN
 - ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
 - ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
 - ◃ TYPE D END ANCHORAGE, AS PER PLAN
 - ◆ TYPE D END SECTION, SCD RM-4.6 (14')
 - LIGHT POLE FOUNDATION (8'), SCD HL-20.13
 - ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
 - ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

BARRIER DETAILS - I.R. 77
STA. 384+50 TO STA. 389+50

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

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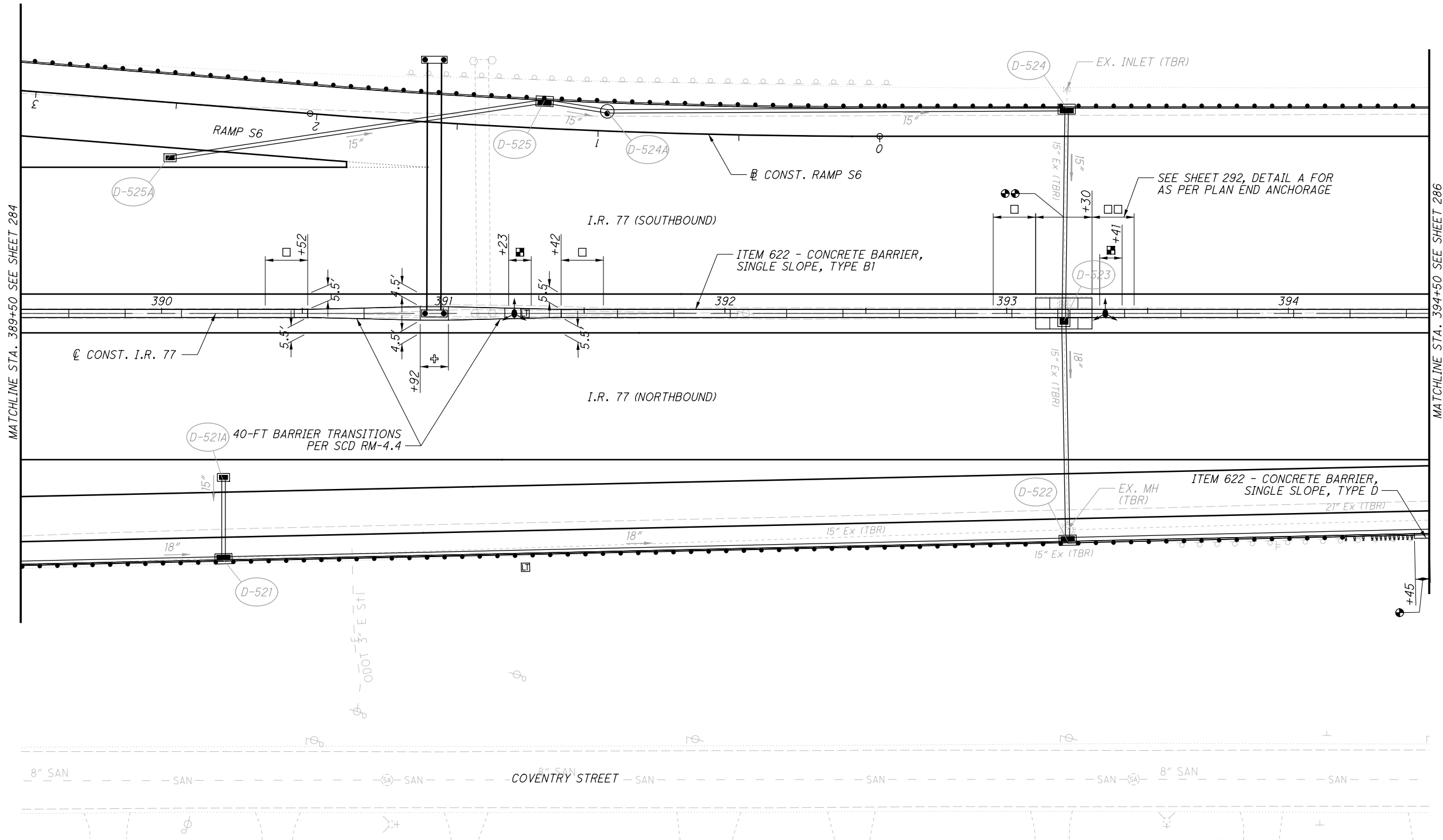
ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED ASB
CHECKED JFM

0 20 40
10
HORIZONTAL SCALE IN FEET

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SGD HL-20.13 SAN
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,



BARRIER DETAILS - I.R. 77
STA. 389+50 TO STA. 394+50

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

LEGEND

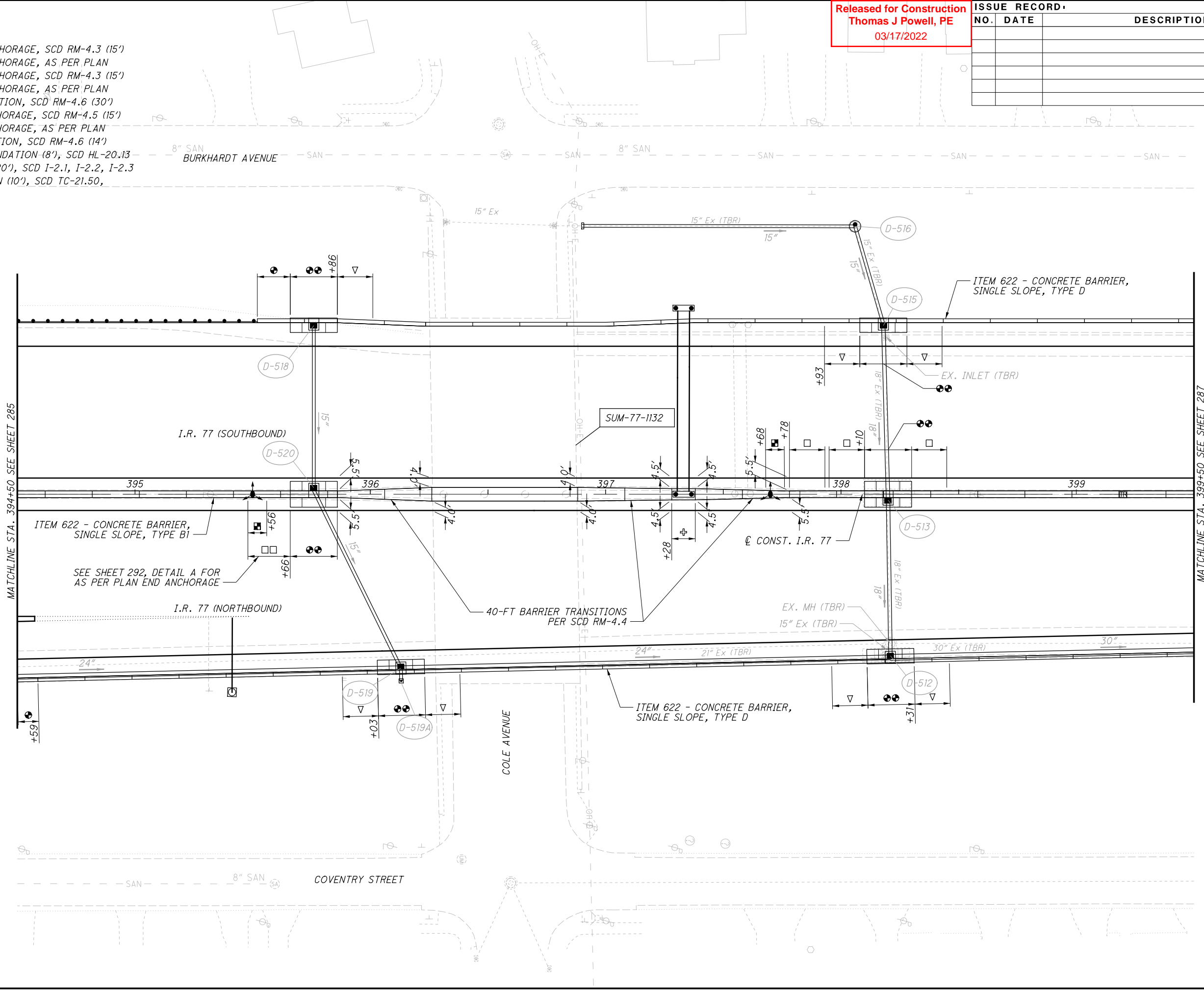
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- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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CHECKED JFM

HORIZONTAL SCALE IN FEET



MATCHLINE STA. 394+50 SEE SHEET 285

MATCHLINE STA. 399+50 SEE SHEET 287

BARRIER DETAILS - I.R. 77
STA. 394+50 TO STA. 399+50

2022-03-02-BU 34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

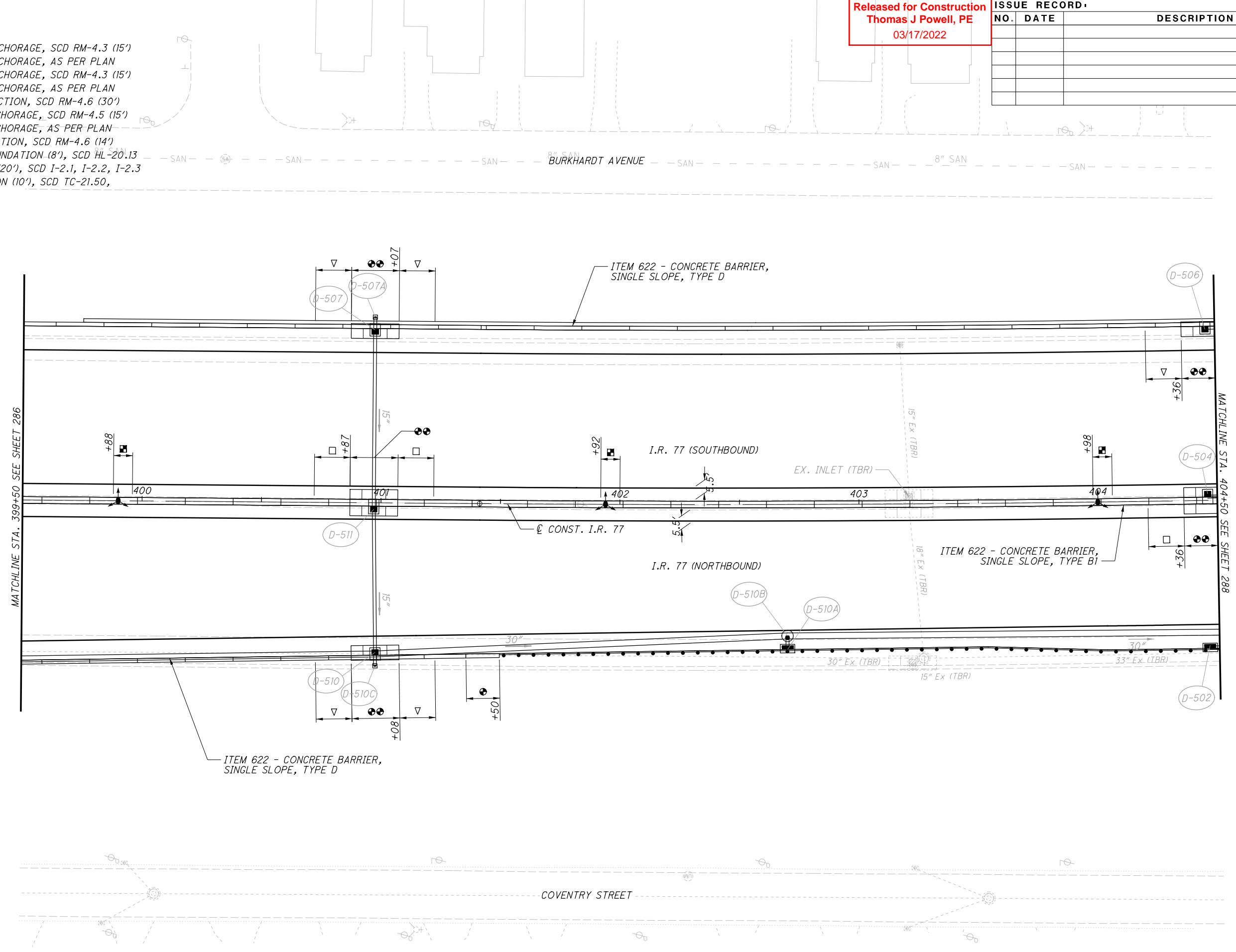
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NO.	DATE	DESCRIPTION

CALCULATED ASB
 CHECKED JFM

0 20 40
 10' HORIZONTAL SCALE IN FEET

North Arrow



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

BARRIER DETAILS - I.R. 77
 STA. 399+50 TO STA. 404+50

LEGEND

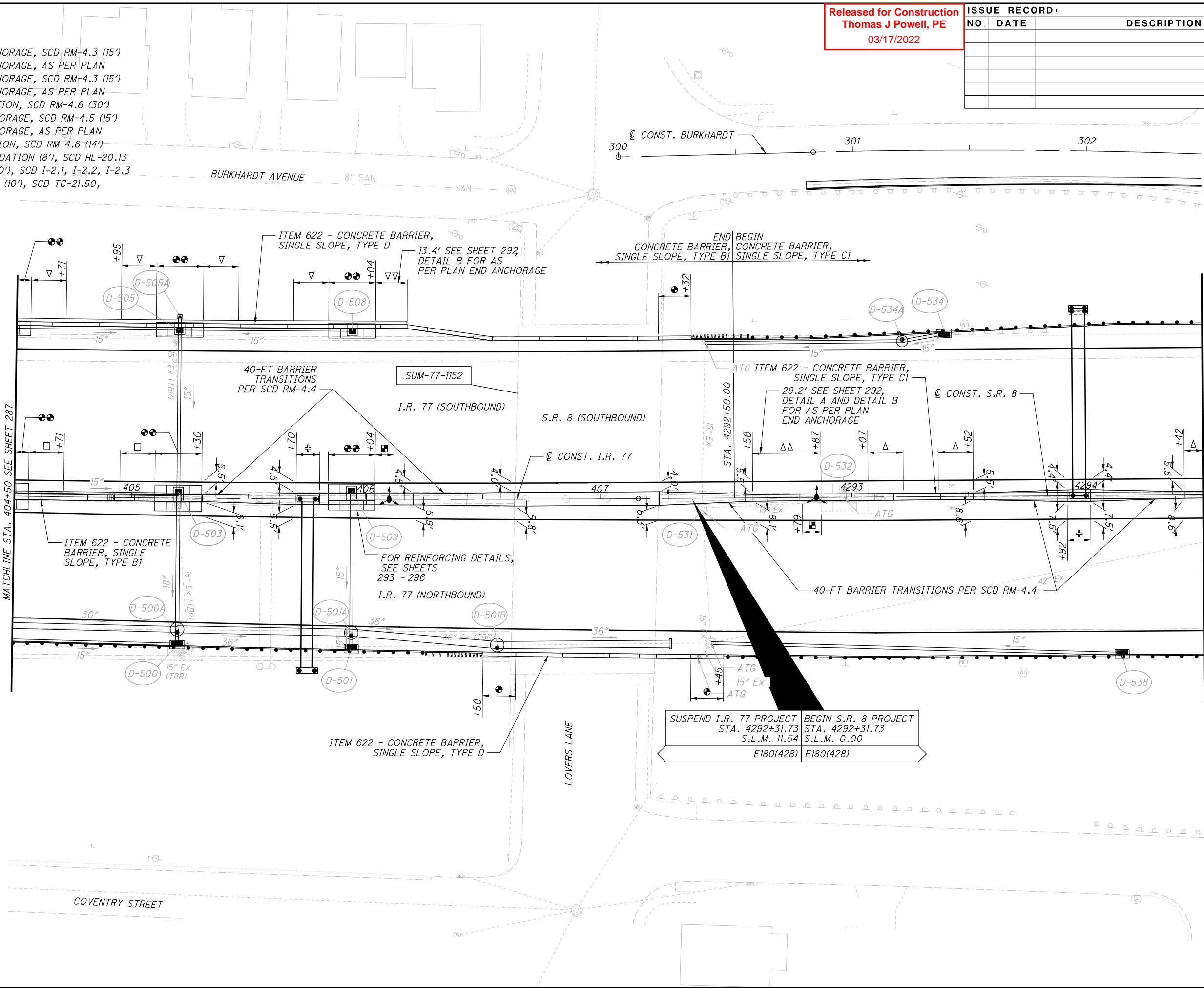
- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽ TYPE D END ANCHORAGE, AS PER PLAN
- ⊕ TYPE D END SECTION, SCD RM-4.6 (14')
- ⊕ LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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0 20 40
 10' HORIZONTAL SCALE IN FEET



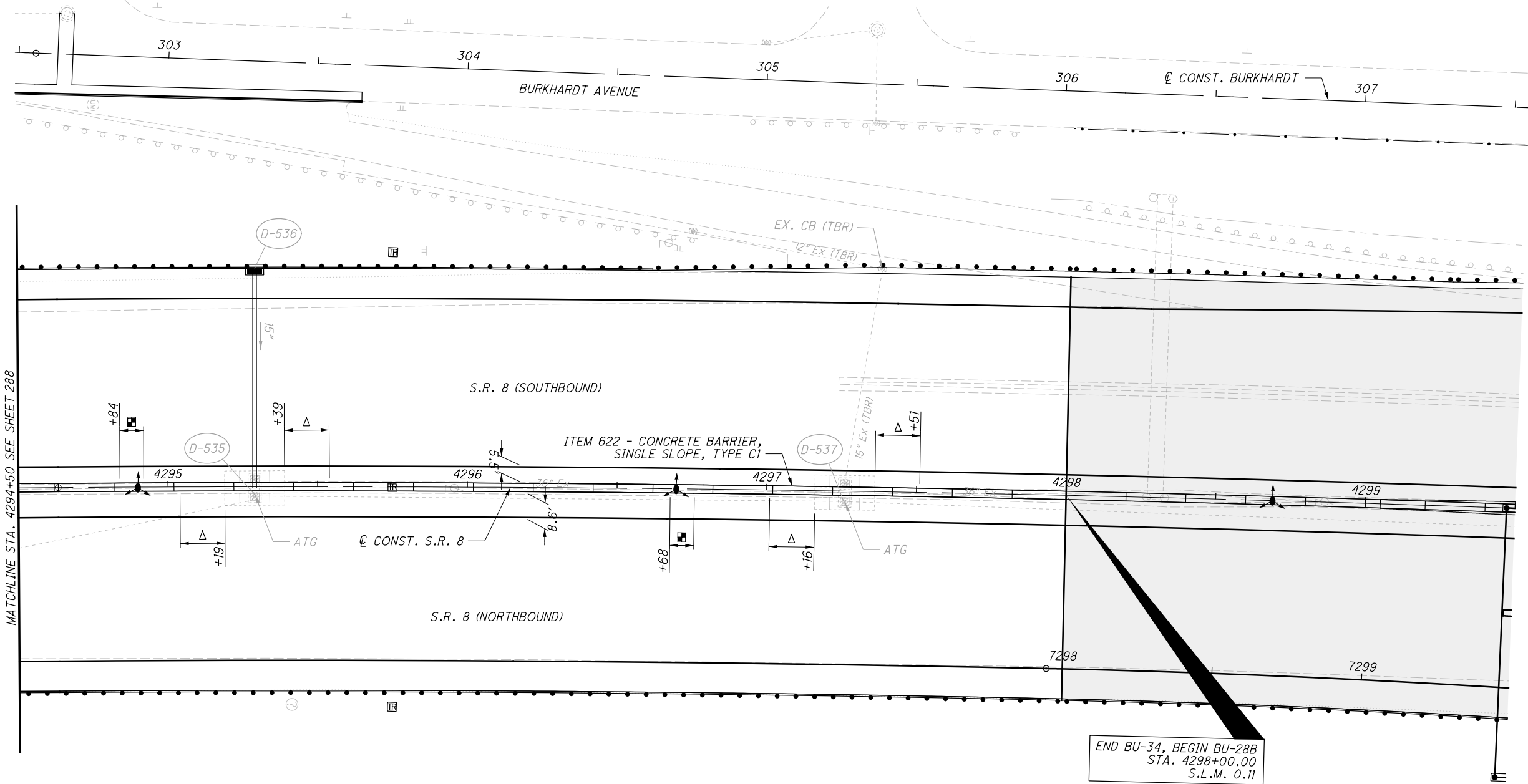
SUSPEND I.R. 77 PROJECT STA. 4292+31.73 S.L.M. 11.54 E180(428)	BEGIN S.R. 8 PROJECT STA. 4292+31.73 S.L.M. 0.00 E180(428)
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CHECKED JFM

HORIZONTAL SCALE IN FEET



LEGEND

- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △△ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽▽ TYPE D END ANCHORAGE, AS PER PLAN
- ◇◇ TYPE D END SECTION, SCD RM-4.6 (14')
- ⊕ LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

BARRIER DETAILS - I.R. 77
STA. 4294+50 TO STA. 4298+00

2022-03-02-BU-34-RFC PLANS
SUM-76 / 77 / 8-
8.24 / 9.74 / 0.00

LEGEND

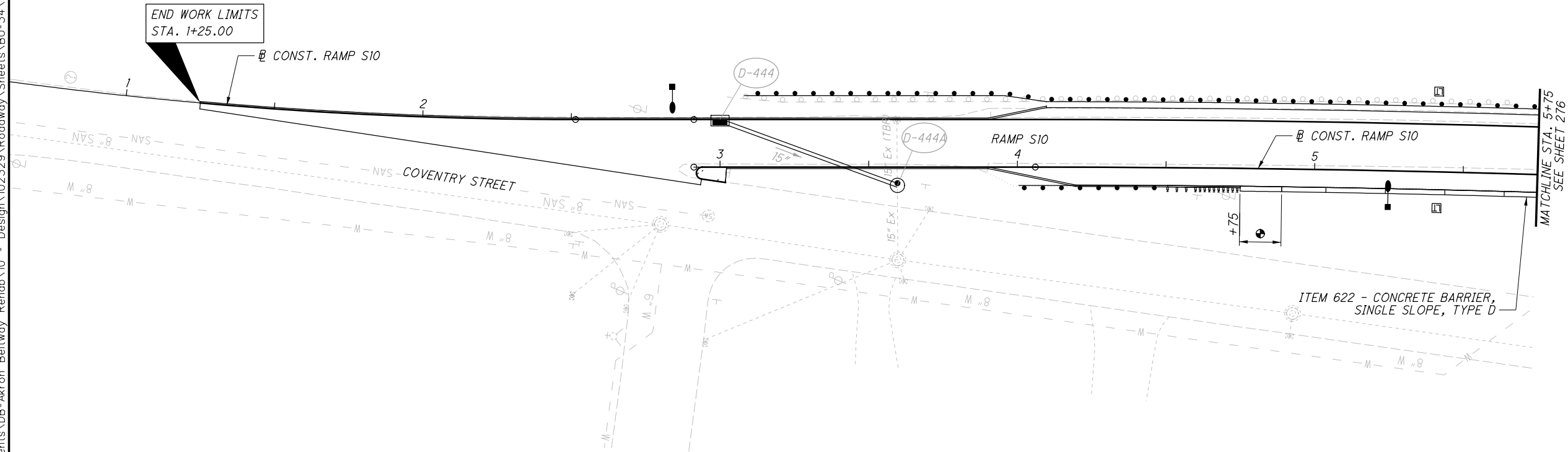
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- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽ TYPE D END ANCHORAGE, AS PER PLAN
- ▽ TYPE D END SECTION, SCD RM-4.6 (14')
- ⊙ LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊙ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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 03/17/2022

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NO.	DATE	DESCRIPTION

CALCULATED ASB
 CHECKED JFM

HORIZONTAL SCALE IN FEET



2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

BARRIER DETAILS - RAMP S10
 BEGIN TO STA. 5+75

LEGEND

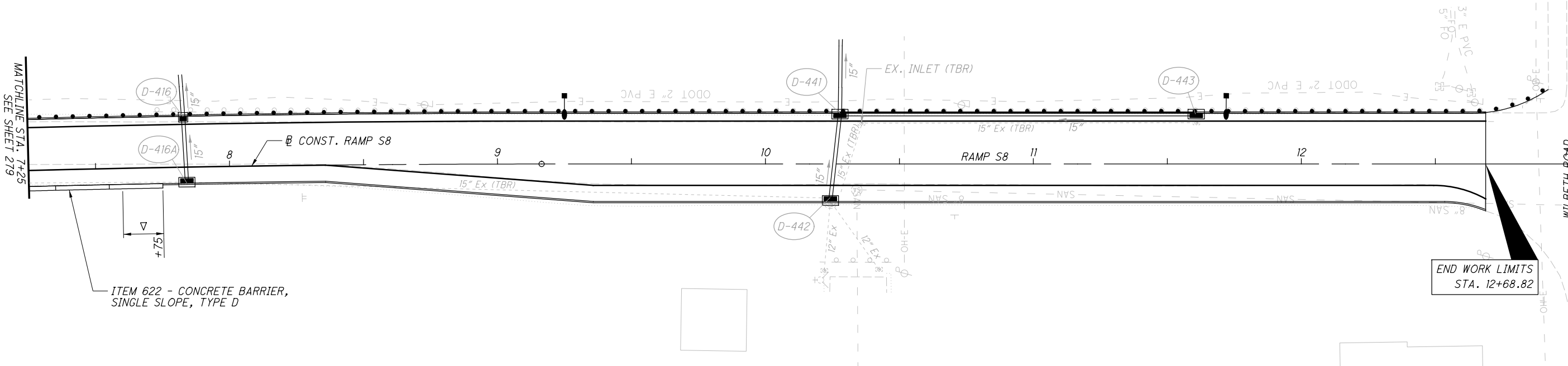
- TYPE B1 END ANCHORAGE, SCD RM-4.3 (15')
- TYPE B1 END ANCHORAGE, AS PER PLAN
- △ TYPE C1 END ANCHORAGE, SCD RM-4.3 (15')
- △ TYPE C1 END ANCHORAGE, AS PER PLAN
- ◇ TYPE C1 END SECTION, SCD RM-4.6 (30')
- ▽ TYPE D END ANCHORAGE, SCD RM-4.5 (15')
- ▽ TYPE D END ANCHORAGE, AS PER PLAN
- TYPE D END SECTION, SCD RM-4.6 (14')
- LIGHT POLE FOUNDATION (8'), SCD HL-20.13
- ⊕ BARRIER INLET (20'), SCD I-2.1, I-2.2, I-2.3
- ⊕ SIGN FOUNDATION (10'), SCD TC-21.50,

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 CHECKED JFM

HORIZONTAL SCALE IN FEET



ITEM 622 - CONCRETE BARRIER,
 SINGLE SLOPE, TYPE D

END WORK LIMITS
 STA. 12+68.82

BARRIER DETAILS - RAMP S8
 STA. 7+25 TO END

2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

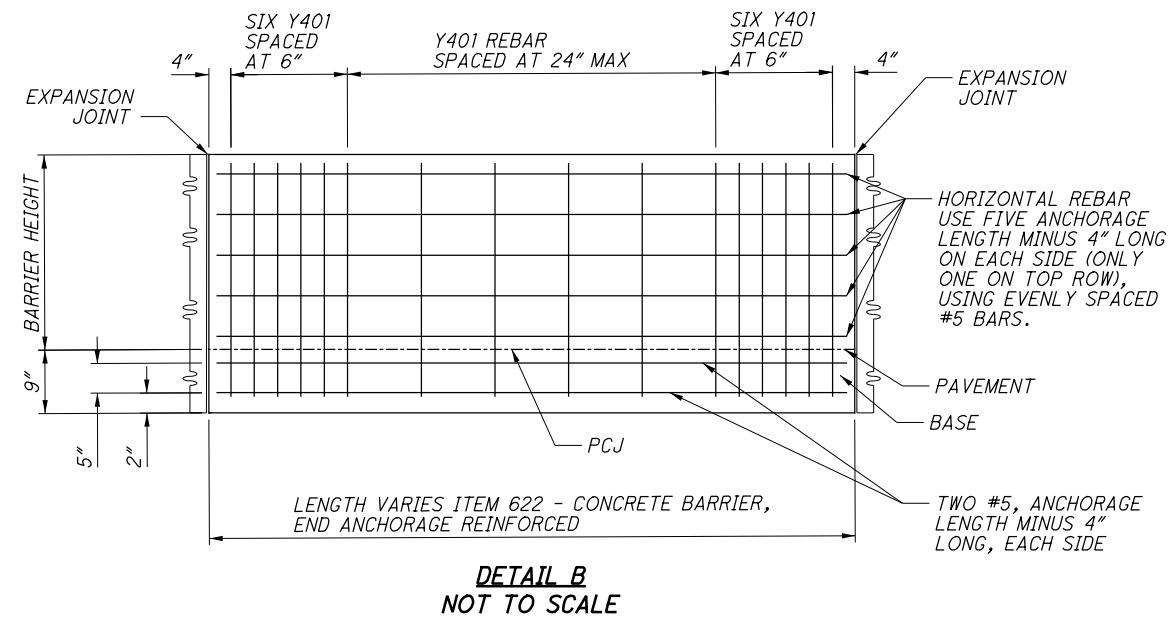
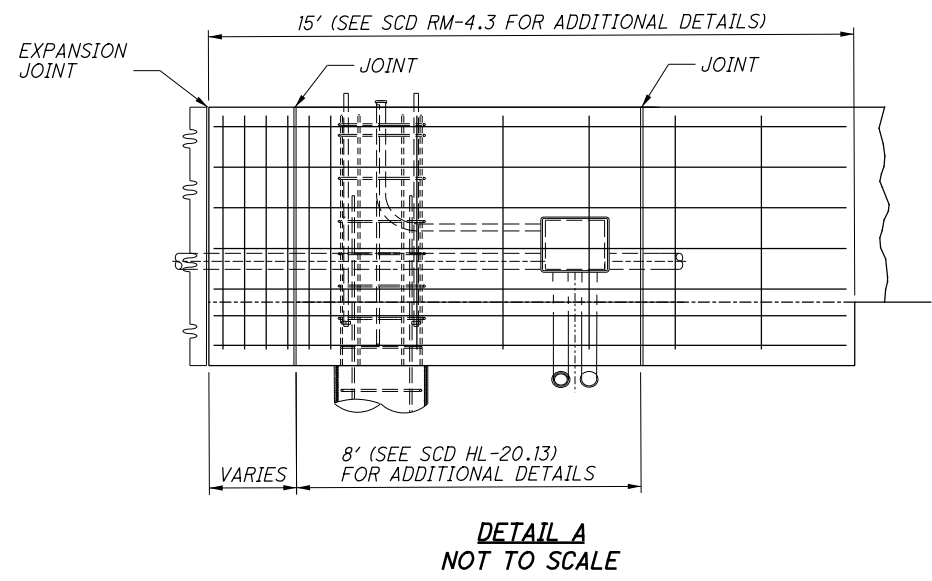
Released for Construction
Thomas J Powell, PE
03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED
GLW

CHECKED
SRB

0 10 20 40
HORIZONTAL
SCALE IN FEET



NOTE: DETAILS A AND B CAN BE USED SIMULTANEOUSLY

AS PER PLAN BARRIER DETAILS

2022-03-02-BU-34-RFC PLANS

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

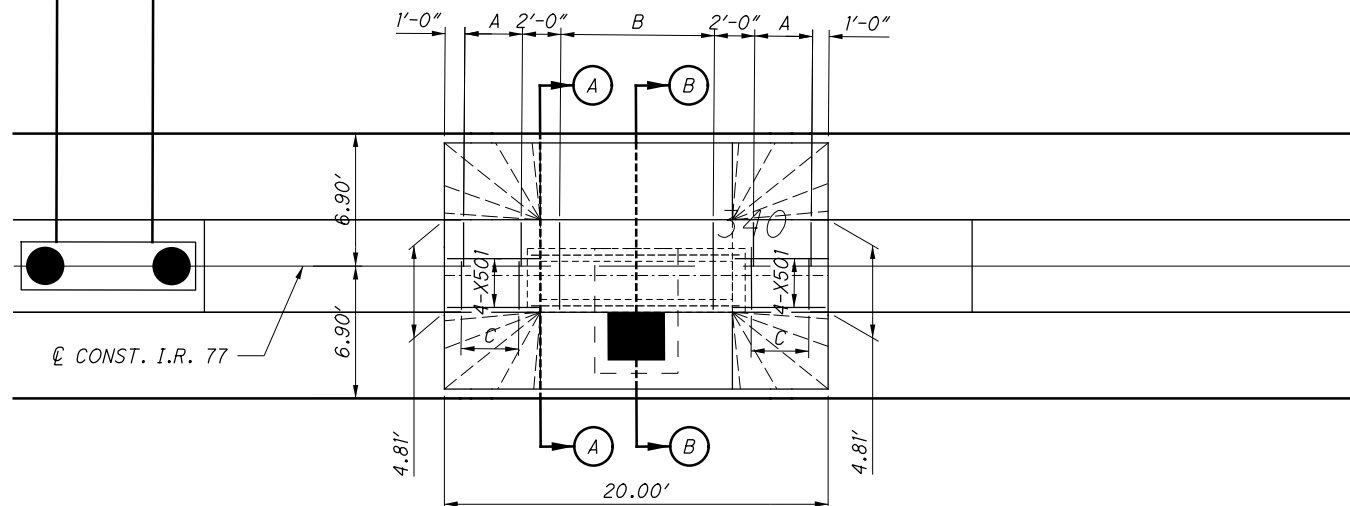
292
298

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03/17/2022

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

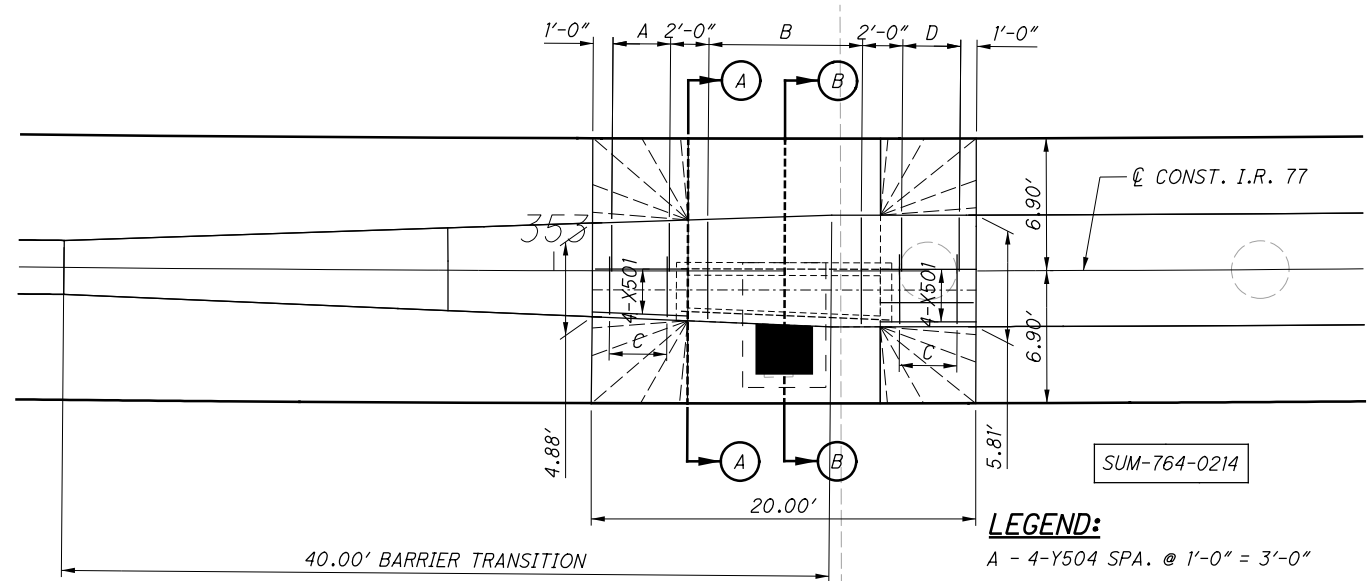
CALCULATED
KDC
CHECKED
JAT

0 5 10
2.5
HORIZONTAL
SCALE IN FEET



LEGEND:
 A - 4-Y502 SPA. @ 1'-0" = 3'-0"
 B - 5-Y503 SPA. @ 2'-0" = 8'-0"
 C - 4-Y501 SPA. @ 1'-0" = 3'-0"

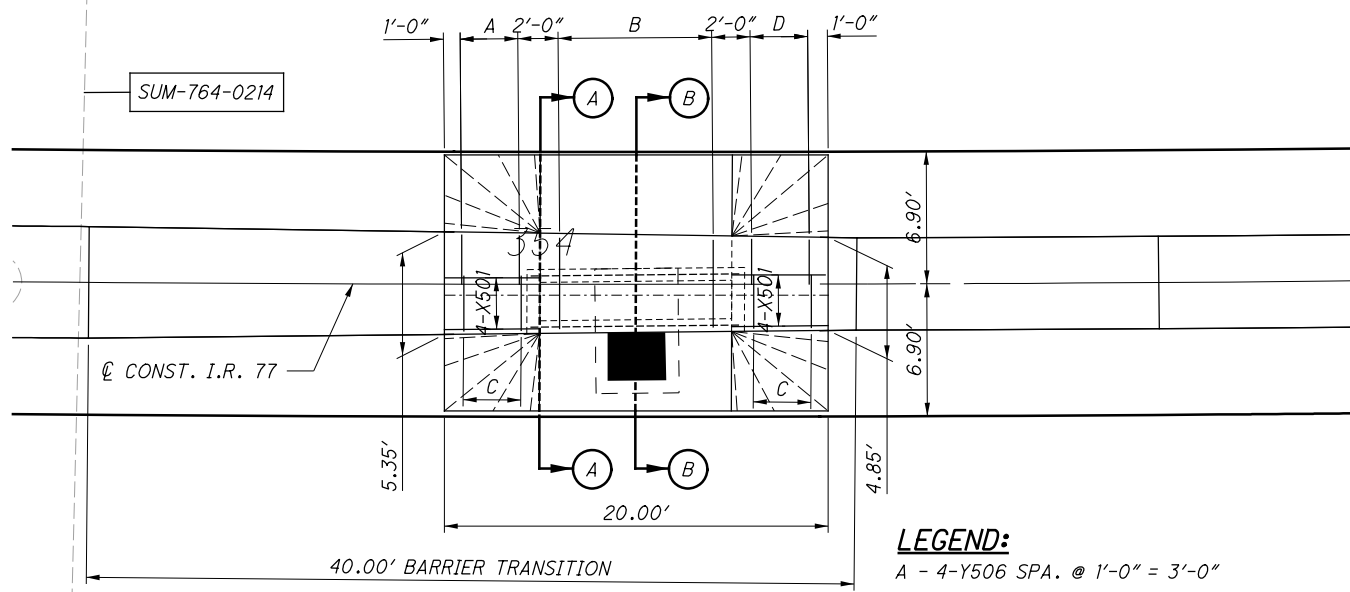
PLAN VIEW - STA. 339+94.00, D-370
 ONLY BOTTOM LONGITUDINAL BARS SHOWN



LEGEND:
 A - 4-Y504 SPA. @ 1'-0" = 3'-0"
 B - 1 SER. OF 5-Y505 SPA. @ 2'-0" = 8'-0"
 C - 4-Y509 SPA. @ 1'-0" = 3'-0"
 D - 4-Y506 SPA. @ 1'-0" = 3'-0"

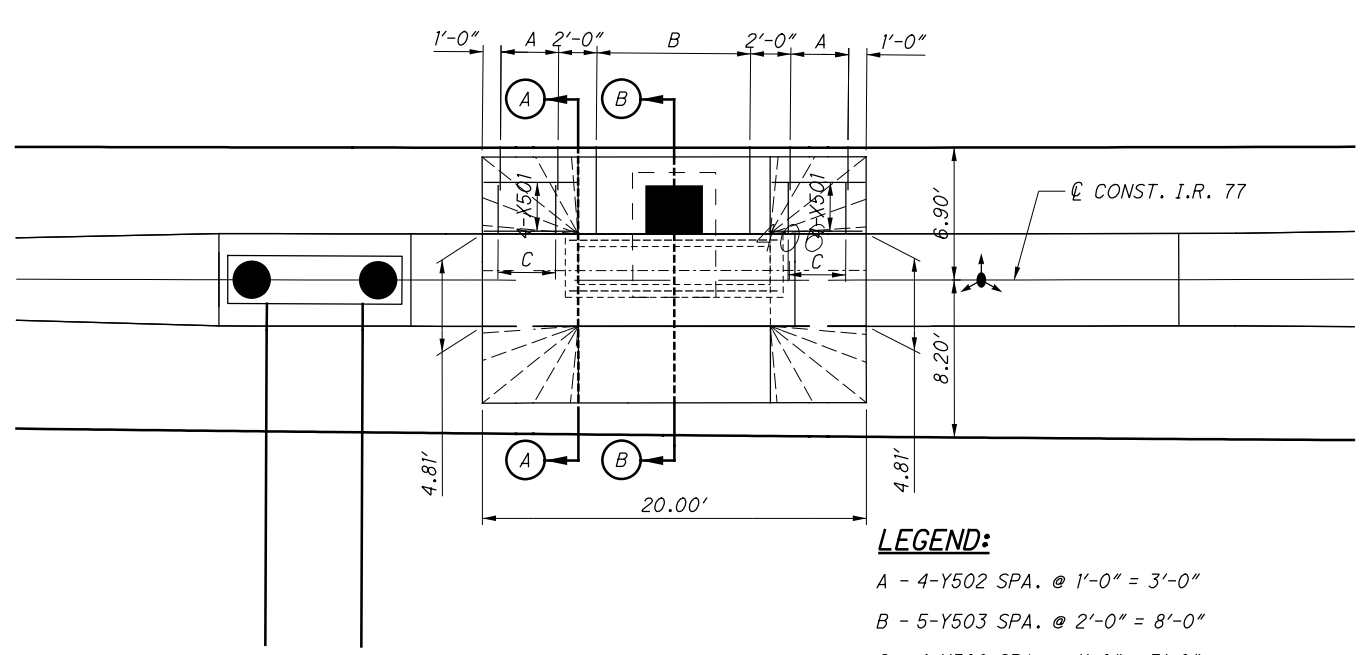
PLAN VIEW - STA. 353+12.00, D-429

NOTES:
 1. SECTION CUT LOCATIONS, NOTE REFERENCES, AND OTHER DETAILED INFORMATION NOT SHOWN ON THIS SHEET CAN BE FOUND ON ODOT SCD I-2.2.
 2. SEE SHEETS 295 - 297 FOR ADDITIONAL INFORMATION.



LEGEND:
 A - 4-Y506 SPA. @ 1'-0" = 3'-0"
 B - 5-Y507 SPA. @ 2'-0" = 8'-0"
 C - 4-Y509 SPA. @ 1'-0" = 3'-0"
 D - 4-Y504 SPA. @ 1'-0" = 3'-0"

PLAN VIEW - STA. 354+05.00, D-431



LEGEND:
 A - 4-Y502 SPA. @ 1'-0" = 3'-0"
 B - 5-Y503 SPA. @ 2'-0" = 8'-0"
 C - 4-Y508 SPA. @ 1'-0" = 3'-0"

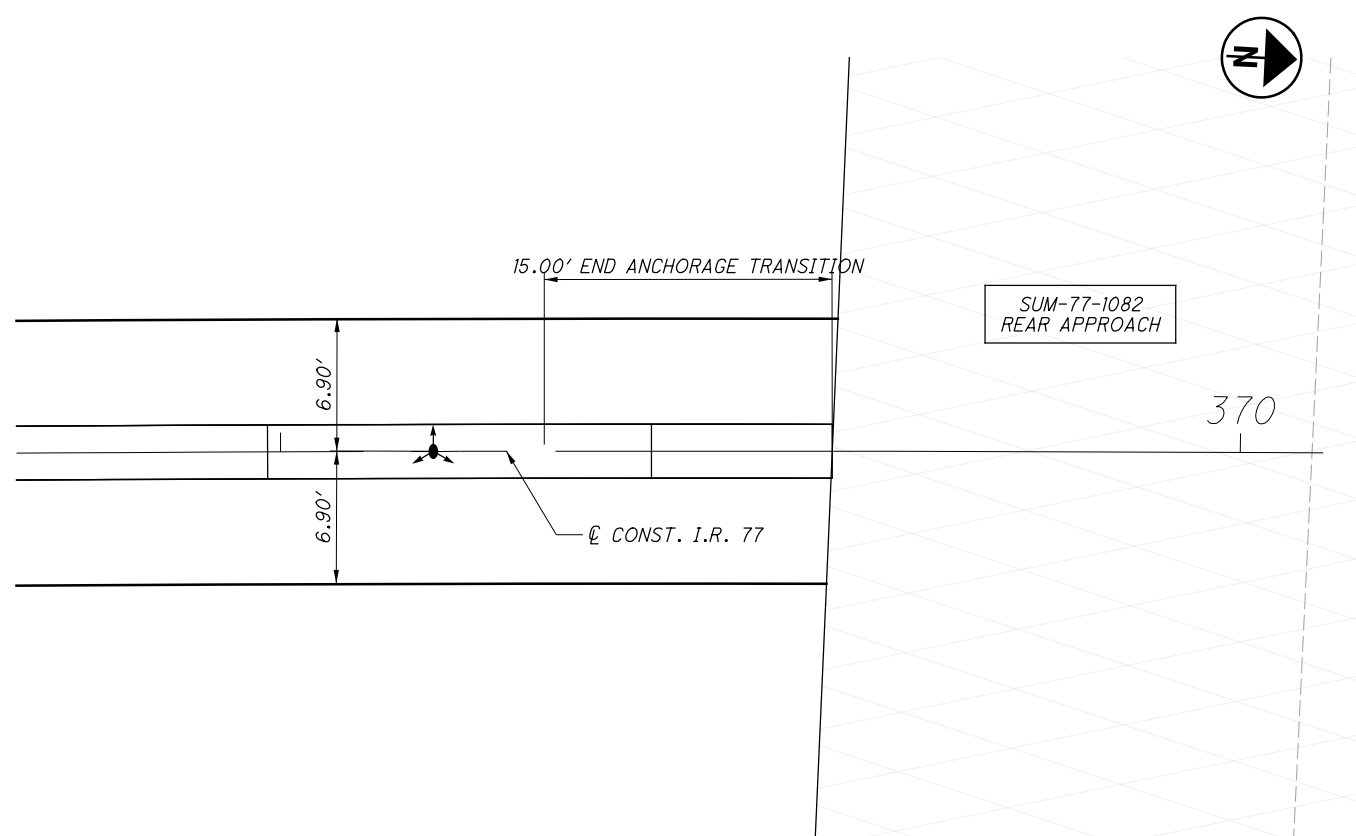
PLAN VIEW - STA. 405+94.00, D-509

BARRIER REINFORCING DETAILS
 AS PER PLAN INLETS

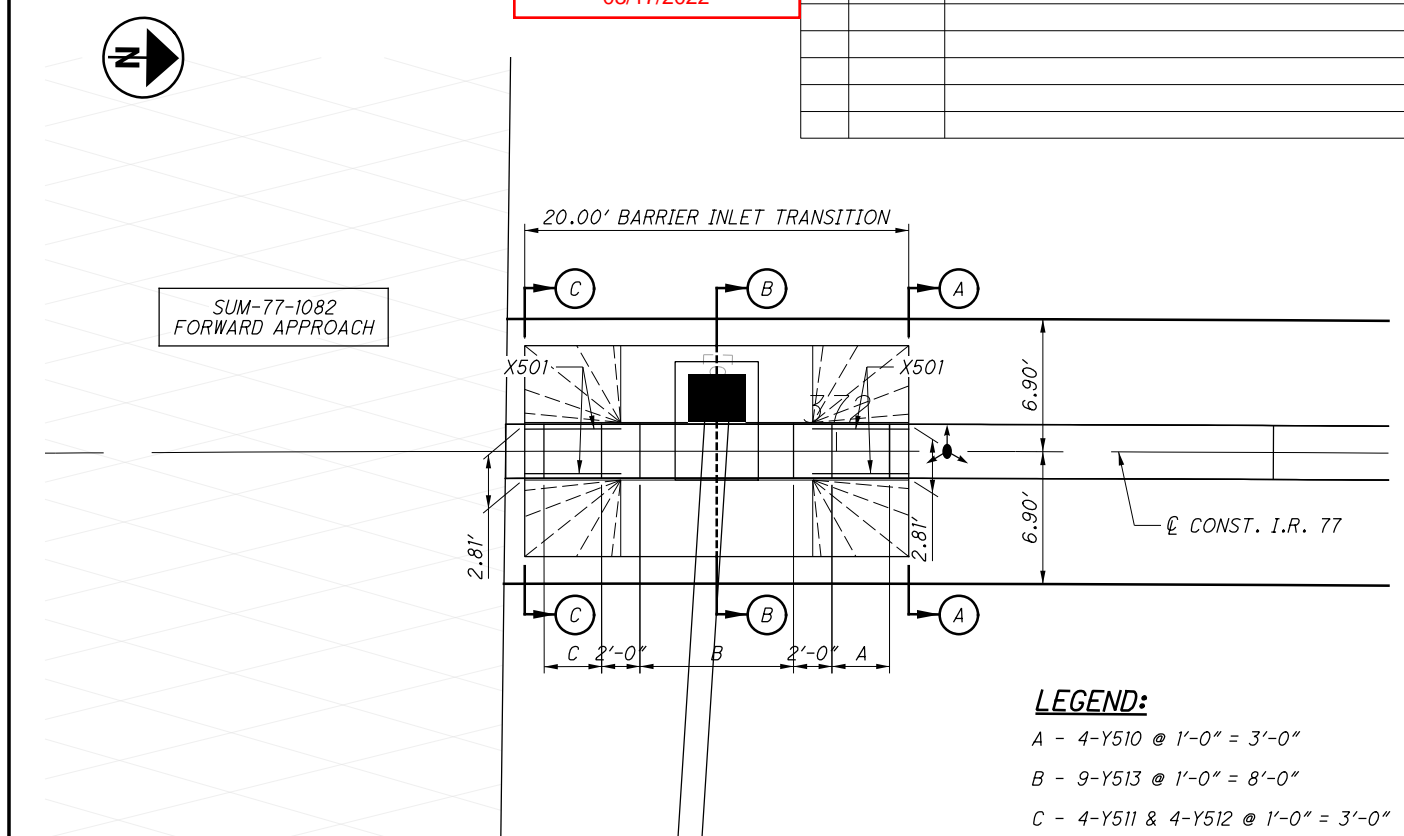
2022-03-02-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00

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NO.	DATE	DESCRIPTION



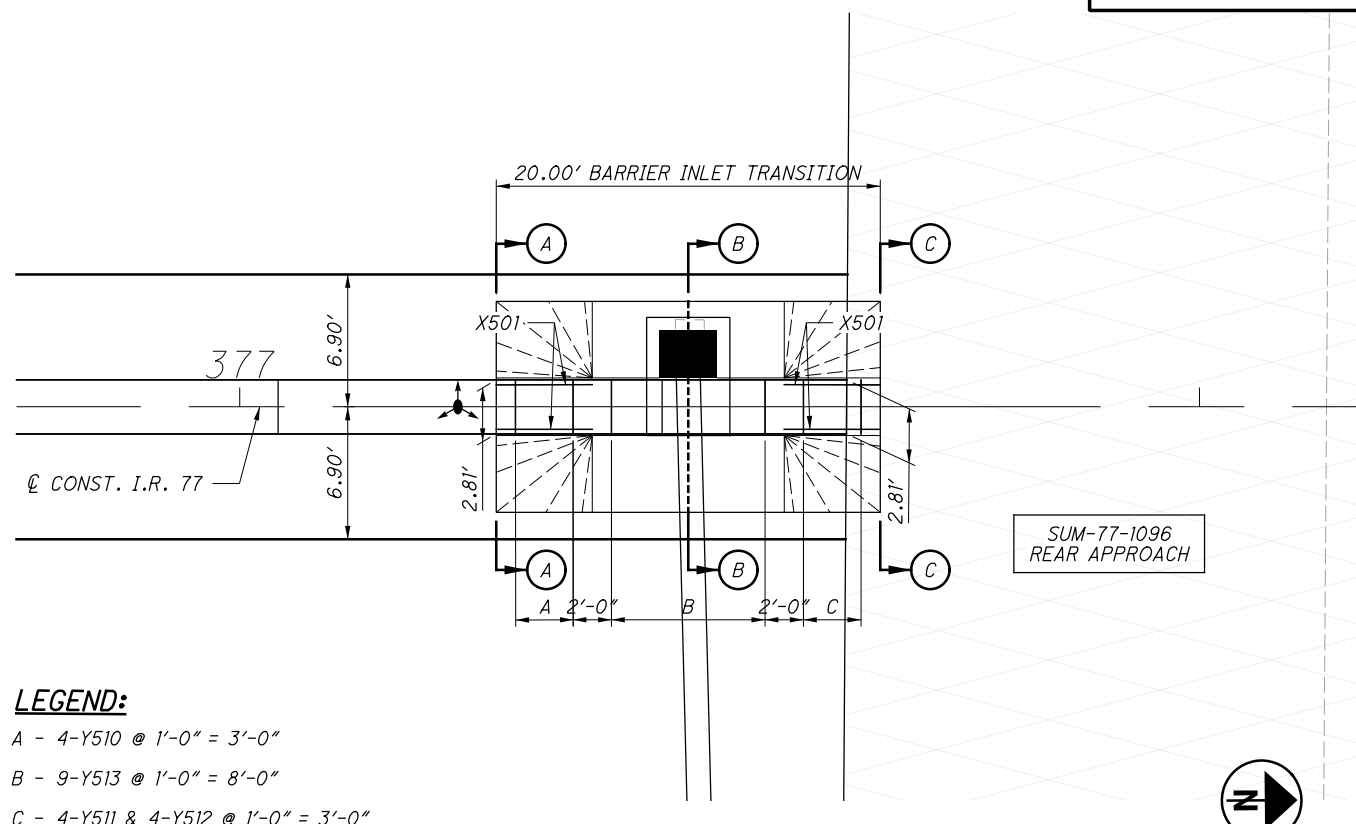
PLAN VIEW - STA. 369+71.24



PLAN VIEW - STA. 371+93.77, D-456
ONLY BOTTOM LONGITUDINAL BARS SHOWN

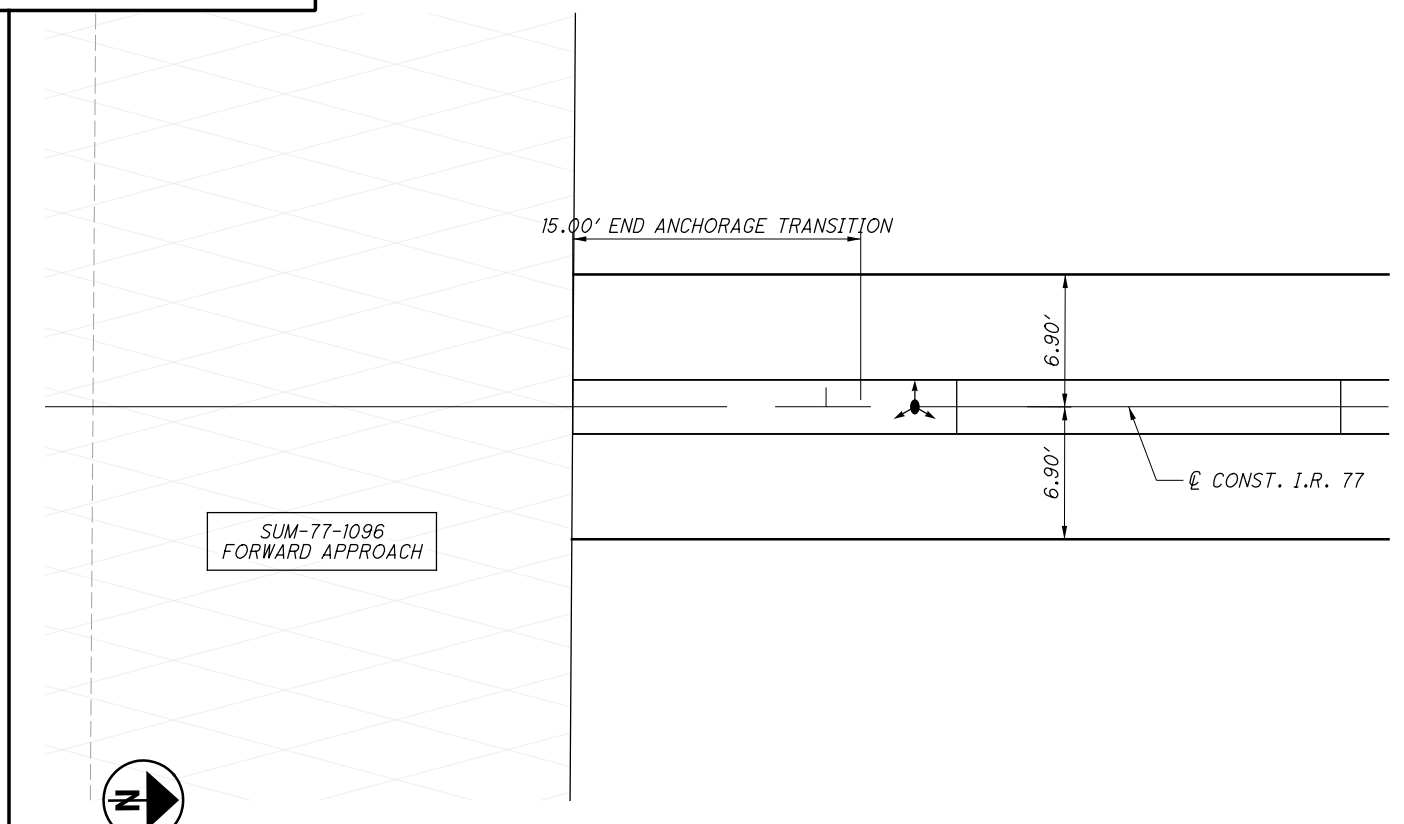
LEGEND:
 A - 4-Y510 @ 1'-0" = 3'-0"
 B - 9-Y513 @ 1'-0" = 8'-0"
 C - 4-Y511 & 4-Y512 @ 1'-0" = 3'-0"

NOTES:
 1. SECTION CUT LOCATIONS, NOTE REFERENCES, AND OTHER DETAILED INFORMATION NOT SHOWN ON THIS SHEET CAN BE FOUND ON ODOT SCD I-2.2.
 2. SEE SHEETS 296 - 298 FOR ADDITIONAL INFORMATION.



PLAN VIEW - STA. 377+23.37, D-462
ONLY BOTTOM LONGITUDINAL BARS SHOWN

LEGEND:
 A - 4-Y510 @ 1'-0" = 3'-0"
 B - 9-Y513 @ 1'-0" = 8'-0"
 C - 4-Y511 & 4-Y512 @ 1'-0" = 3'-0"



PLAN VIEW - STA. 379+44.31

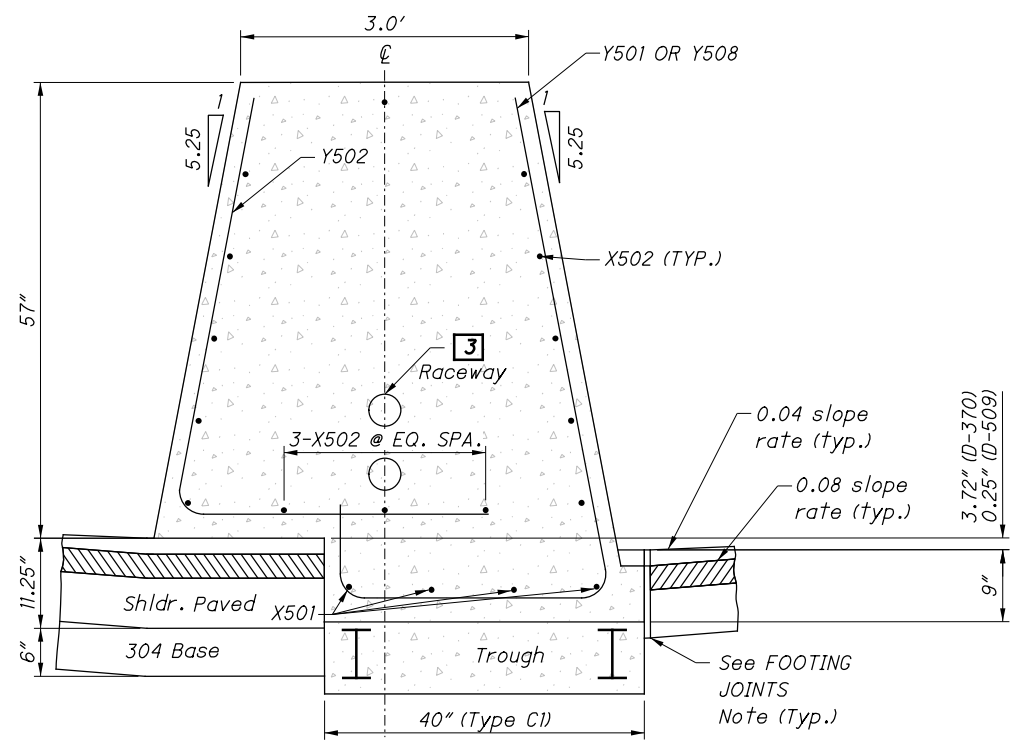
BARRIER REINFORCING DETAILS
AS PER PLAN INLETS & TRANSITIONS

2022-03-17-BU 34-RFC PLANS
 SUM-76 / 77 / 8-
 8.24 / 9.74 / 0.00
 294
 298

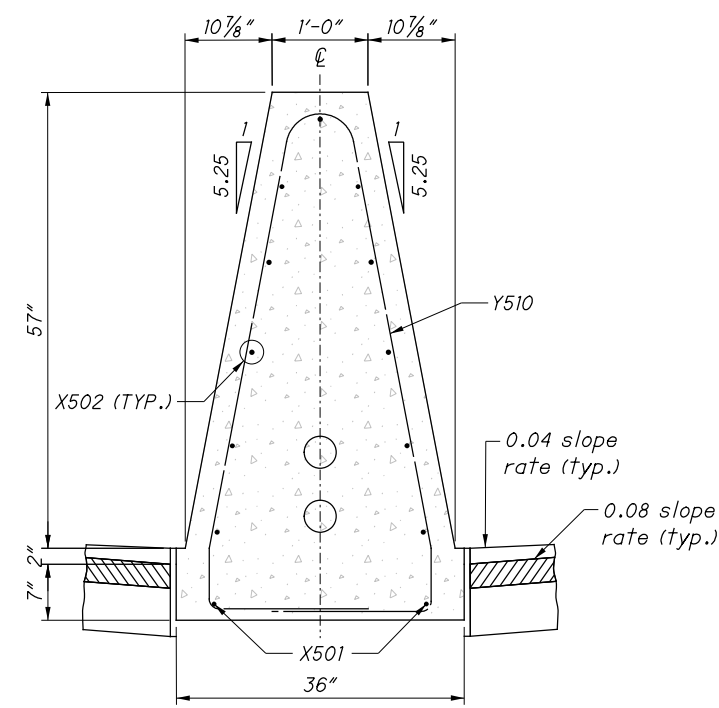
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ISSUE RECORD:		
NO.	DATE	DESCRIPTION

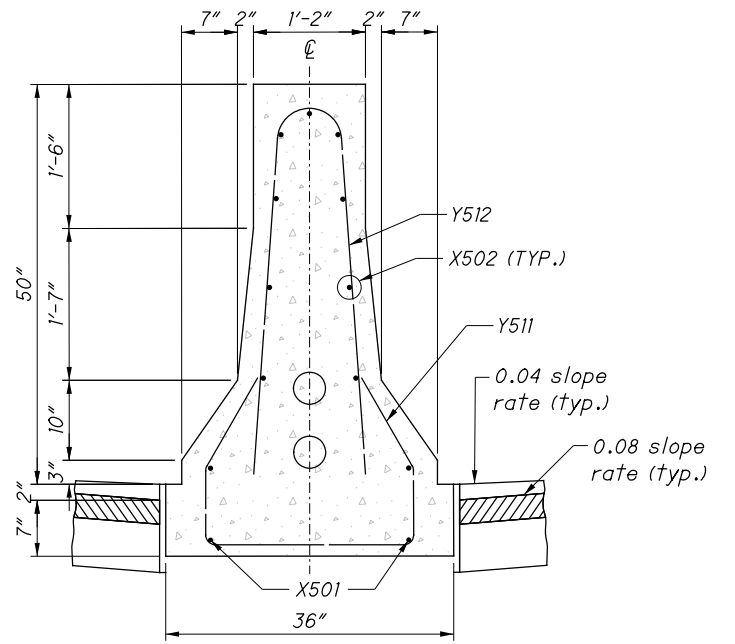
CALCULATED	KDC
CHECKED	JAT



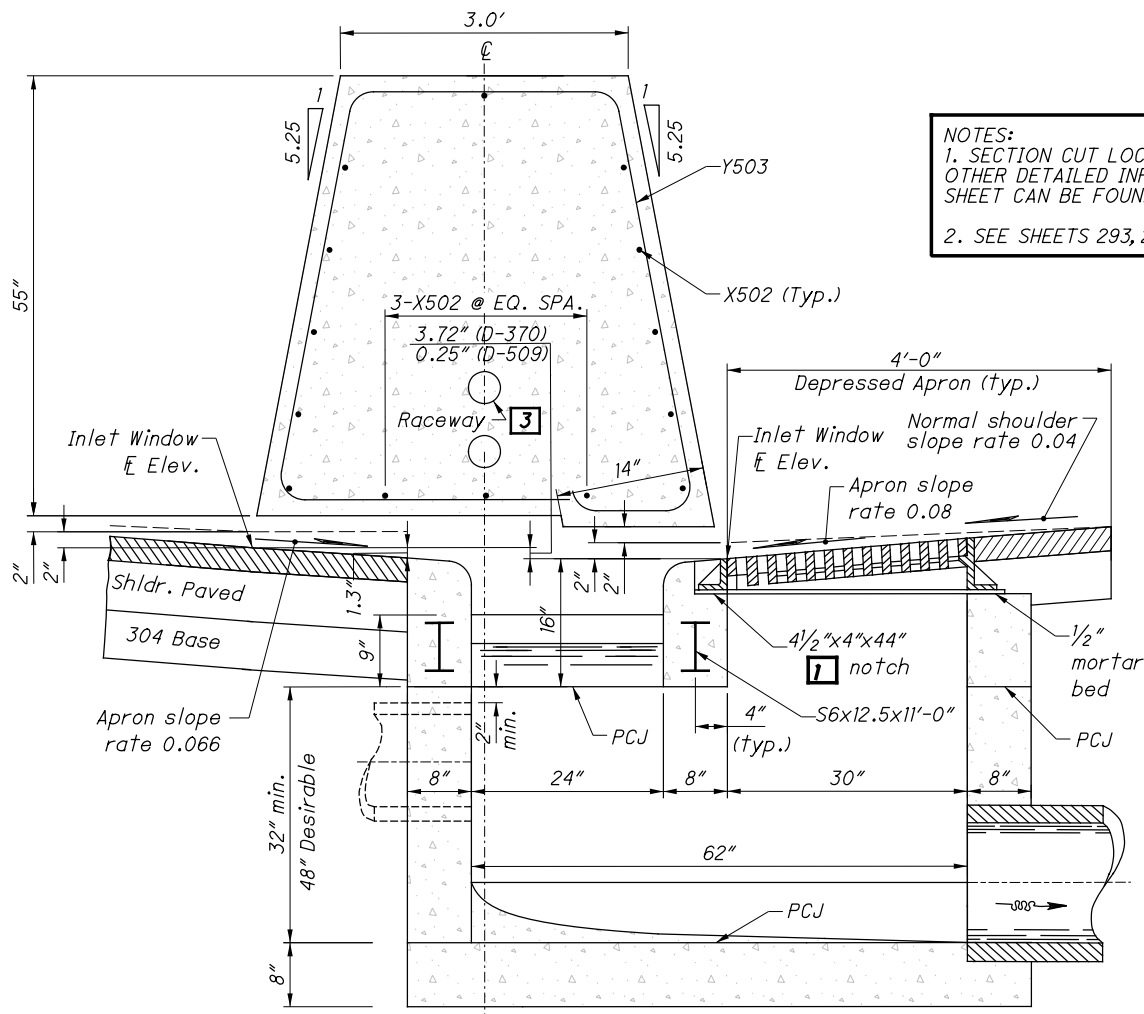
SECTION A-A (STA. 339+94.00, D-370 and 405+94.00, D-509)



SECTION A-A (STA. 371+93.77, D-456 and 377+23.37, D-462)

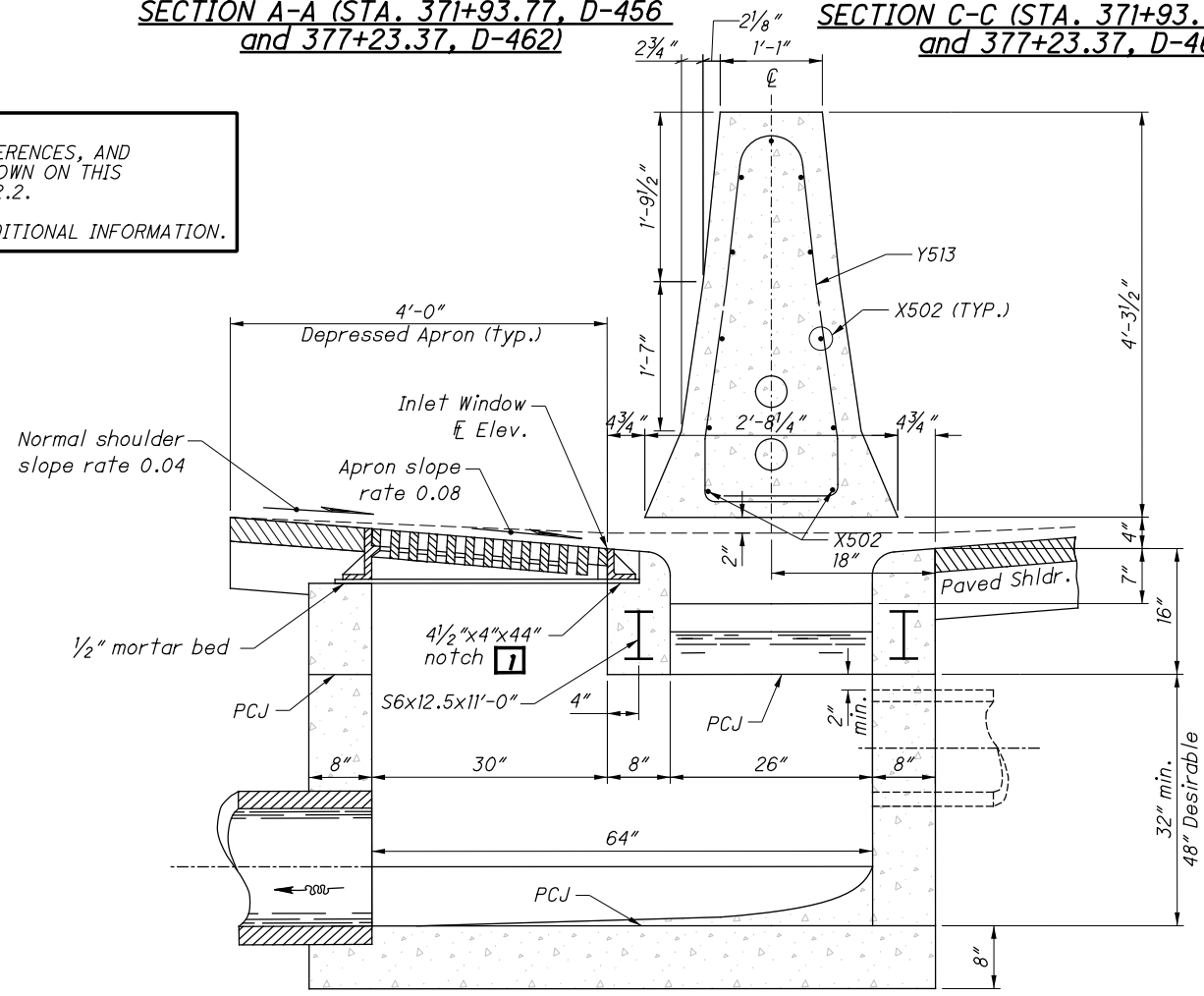


SECTION C-C (STA. 371+93.77, D-456 and 377+23.37, D-462)



SECTION B-B (STA. 339+94.00, D-370 and 405+94.00, D-509)

NOTES:
 1. SECTION CUT LOCATIONS, NOTE REFERENCES, AND OTHER DETAILED INFORMATION NOT SHOWN ON THIS SHEET CAN BE FOUND ON ODOT SCD 1-2.2.
 2. SEE SHEETS 293, 294, & 297 FOR ADDITIONAL INFORMATION.



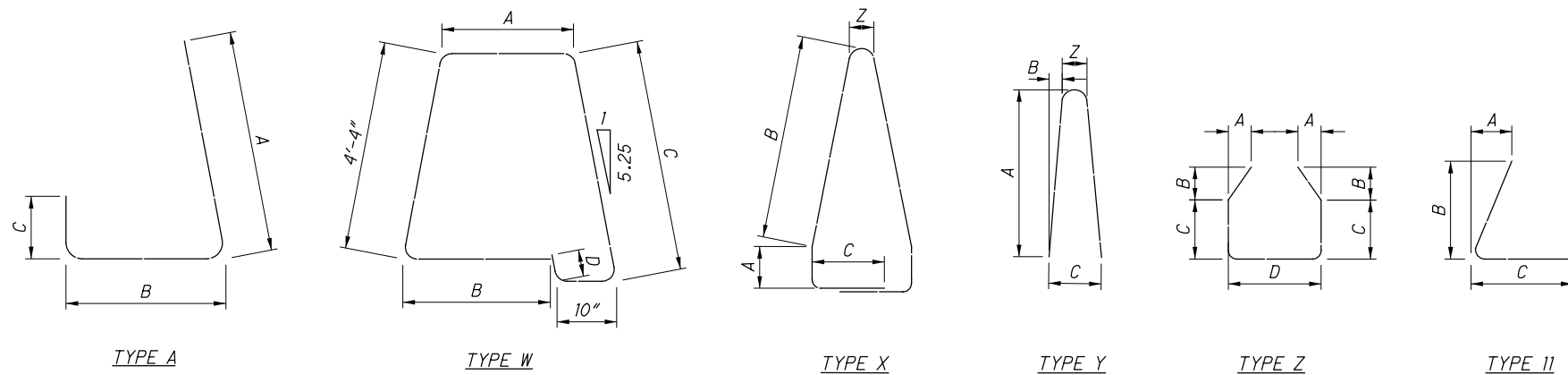
SECTION B-B (STA. 371+93.77, D-456 and 377+23.37, D-462)

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ISSUE RECORD:		
NO.	DATE	DESCRIPTION

CALCULATED	KDC
CHECKED	JAT

MARK	NUMBER						LENGTH	WEIGHT	TYPE	DIMENSIONS								
	D-370 STA. 339+94	D-429 STA. 353+12	D-431 STA. 354+05	D-456 STA. 371+94	D-462 STA. 377+24	D-509 STA. 405+94				TOTAL	A	B	C	D	Z	R	INC	
Y501	8						8	8'-7"	72	A	5'-5"	2'-9"	9"					
Y502	8					8	16	7'-9"	129	II	9 7/8"	4'-4"	3'-6"					
Y503	5					5	10	15'-4"	160	W	2'-6"	3'-6"	4'-5"	4"				
Y504		4	4				8	9'-9"	81	II	9 7/8"	4'-4"	5'-6"					
Y505		1 SER. OF 5					5	15'-8"	83	W	4'-9"	5'-6"						
								TO 16'-2"			TO 5'-3"	TO 6'-6"	5'-2"	1'-1"			1/8"	
Y506		4	4				8	10'-9"	90	II	9 7/8"	4'-4"	6'-6"					
Y507			5				5	21'-4"	111	W	4'-6"	5'-6"	5'-6"	1'-4"				
Y508						8	8	8'-4"	70	A	5'-2"	2'-9"	9"					
Y509		8	8				16	10'-4"	172	A	6'-2"	2'-9"	1'-9"					
Y510				4	4		8	13'-4"	111	X	7"	4'-1"	1'-8"		8"			
Y511				4	4		8	5'-6"	46	Z	6"	11"	9"	2'-2"				
Y512				4	4		8	8'-2"	68	Y	3'-9"	3"	1'-2"		8"			
Y513				9	9		18	14'-1"	264	X	8"	4'-7"	1'-7"		8"			
X501	8	8	8			8	32	4'-8"	156	STR								
X502	14	16	16	15	15	14	90	19'-8"	1846	STR								
SUB-TOTAL									3459									

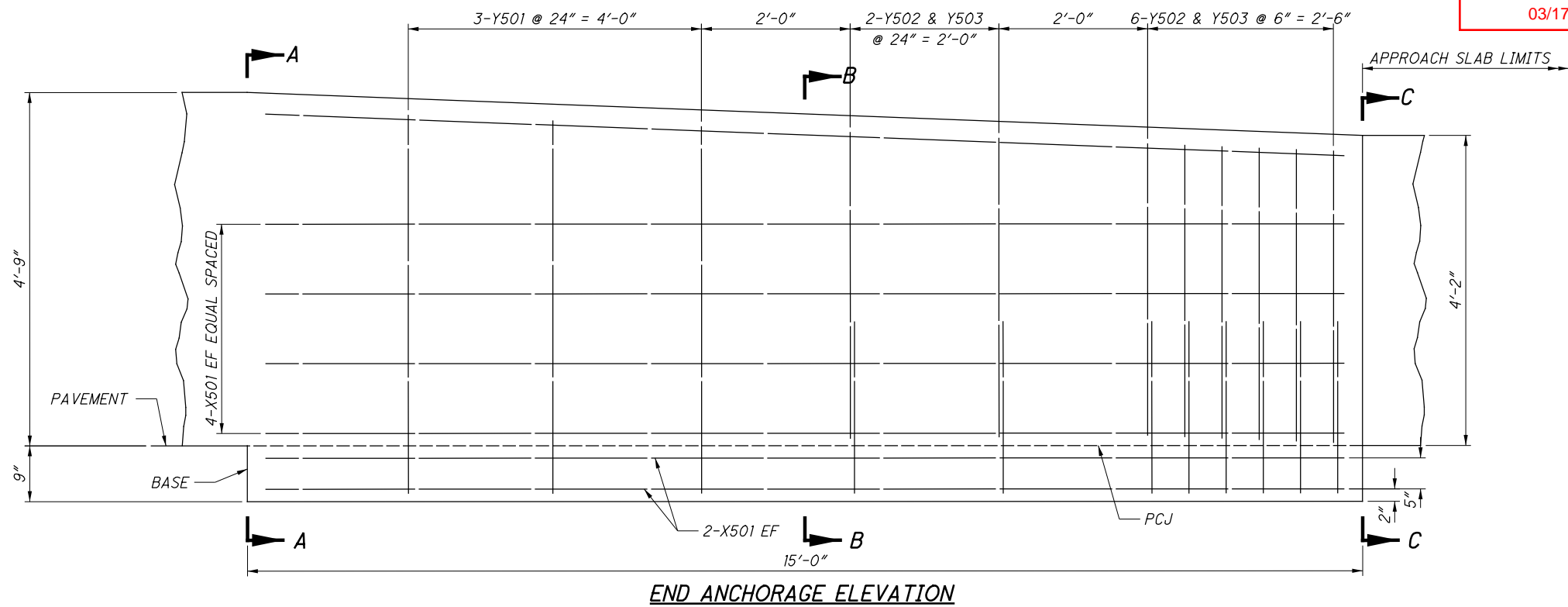


NOTE:
 1. FIELD BEND BARS AS NECESSARY TO PROVIDE REQUIRED CONCRETE COVER.

BARRIER REINFORCING DETAILS
 REBAR SCHEDULE

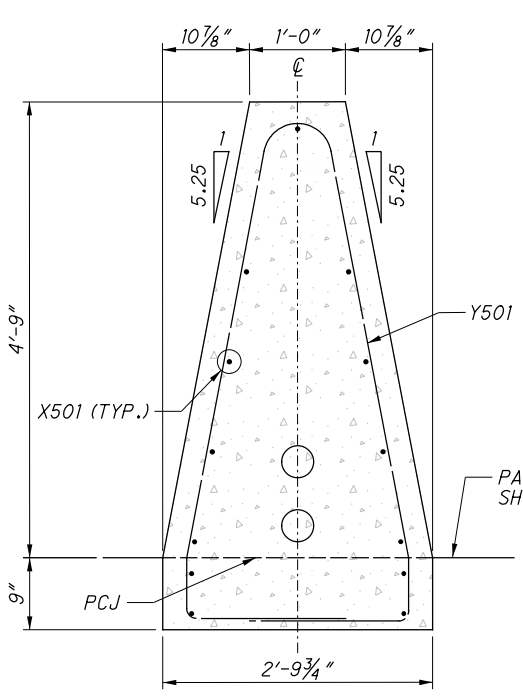
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NO.	DATE	DESCRIPTION

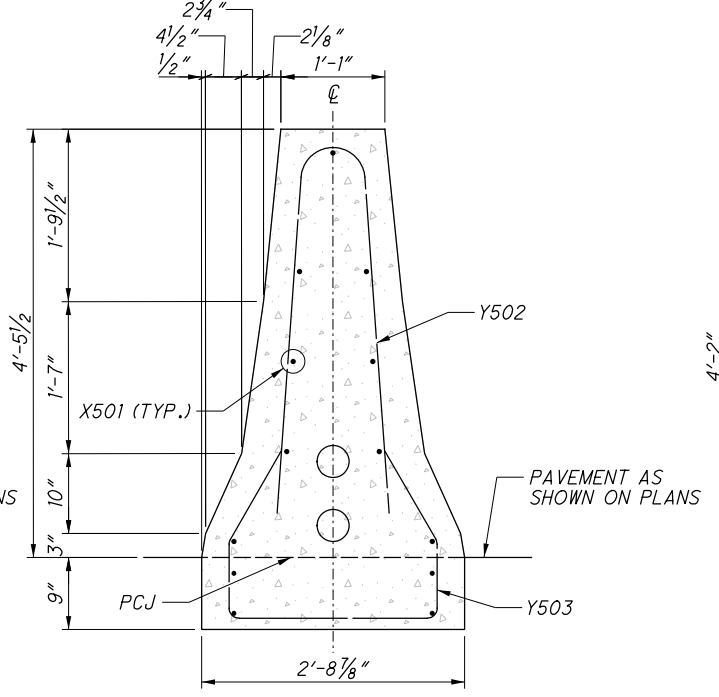


END ANCHORAGE ELEVATION

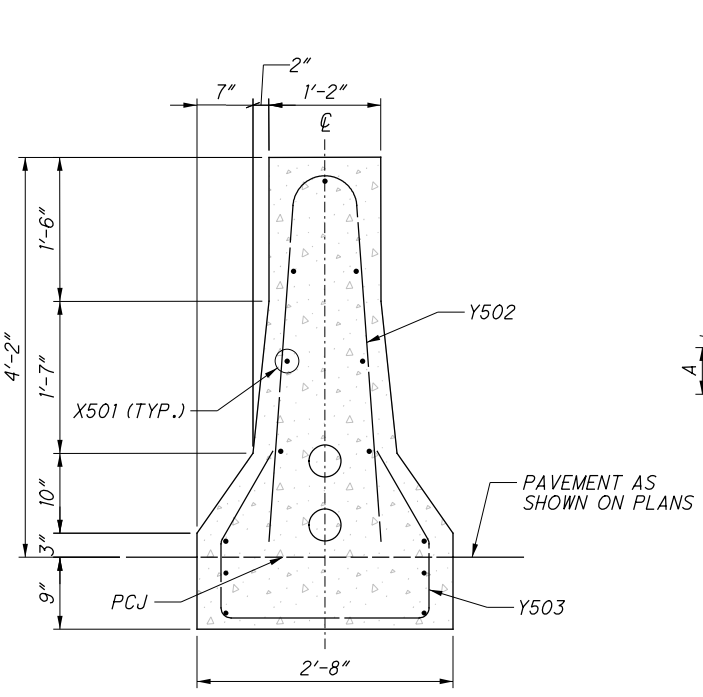
MARK	NUMBER	TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS				
						A	B	C	D	Z
Y501	6	6	13'-4"	84	X	7"	4'-1"	1'-8"	-	8"
Y502	16	16	8'-5"	141	Y	3'-10"	3 3/4"	1'-2"	-	8"
Y503	16	16	5'-6"	92	Z	6"	11"	9"	2'-2"	
X501	26	26	14'-8"	398	STR					
SUB-TOTAL				715						



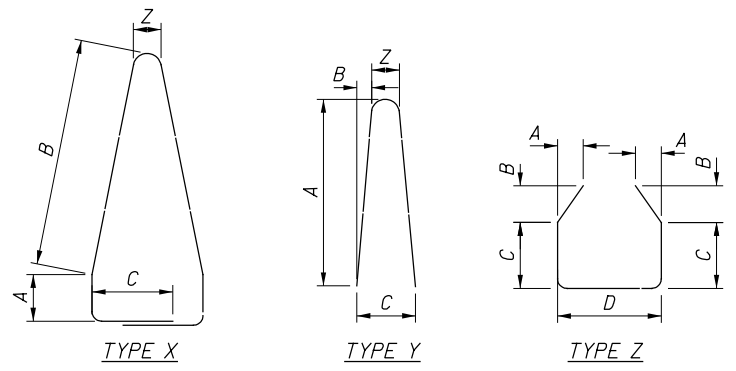
SECTION A-A (STA. 369+71.24, 379+44.31)



SECTION B-B (STA. 369+71.24, 379+44.31)



SECTION C-C (STA. 369+71.24, 379+44.31)



NOTE:
 1. FIELD BEND BARS AS NECESSARY TO PROVIDE REQUIRED CONCRETE COVER.