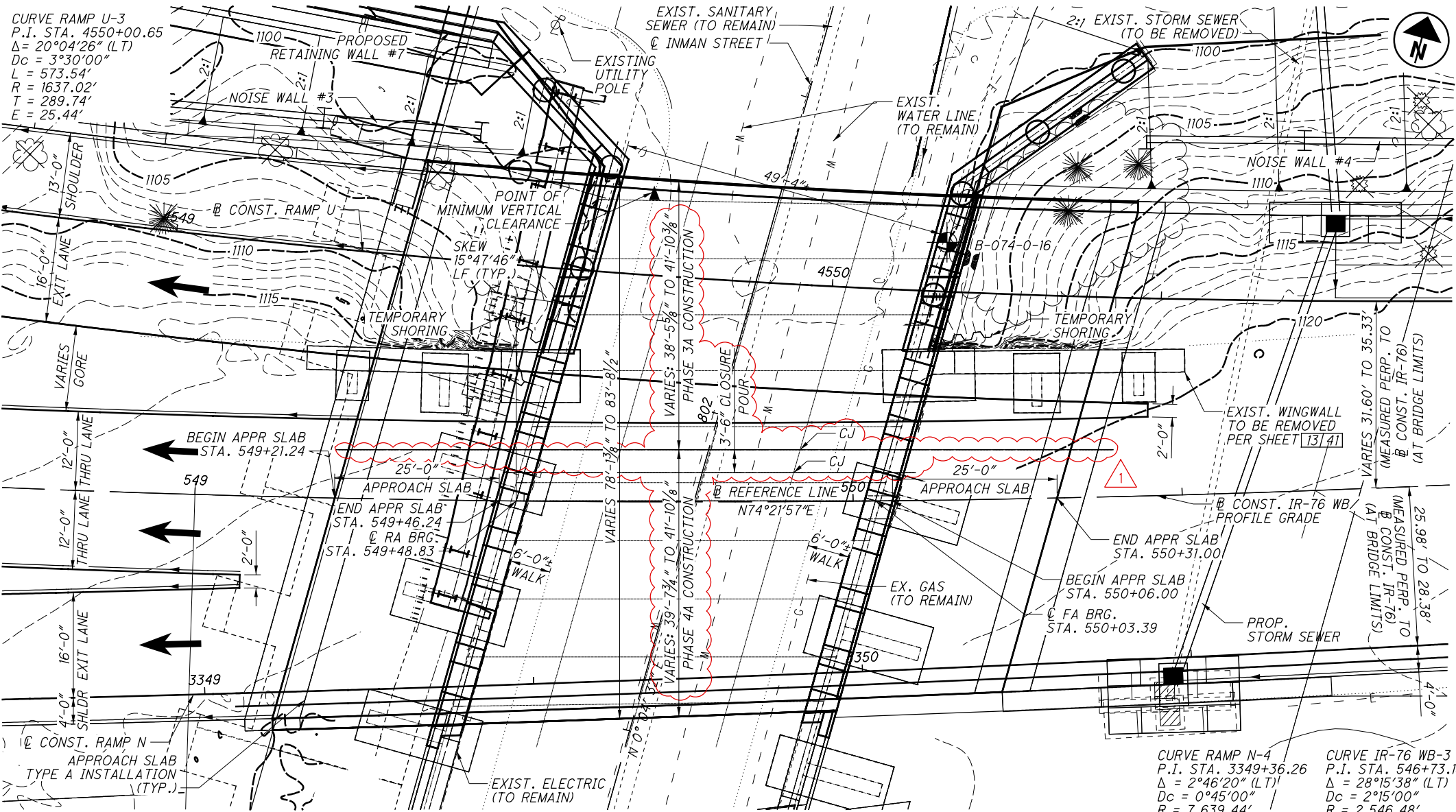
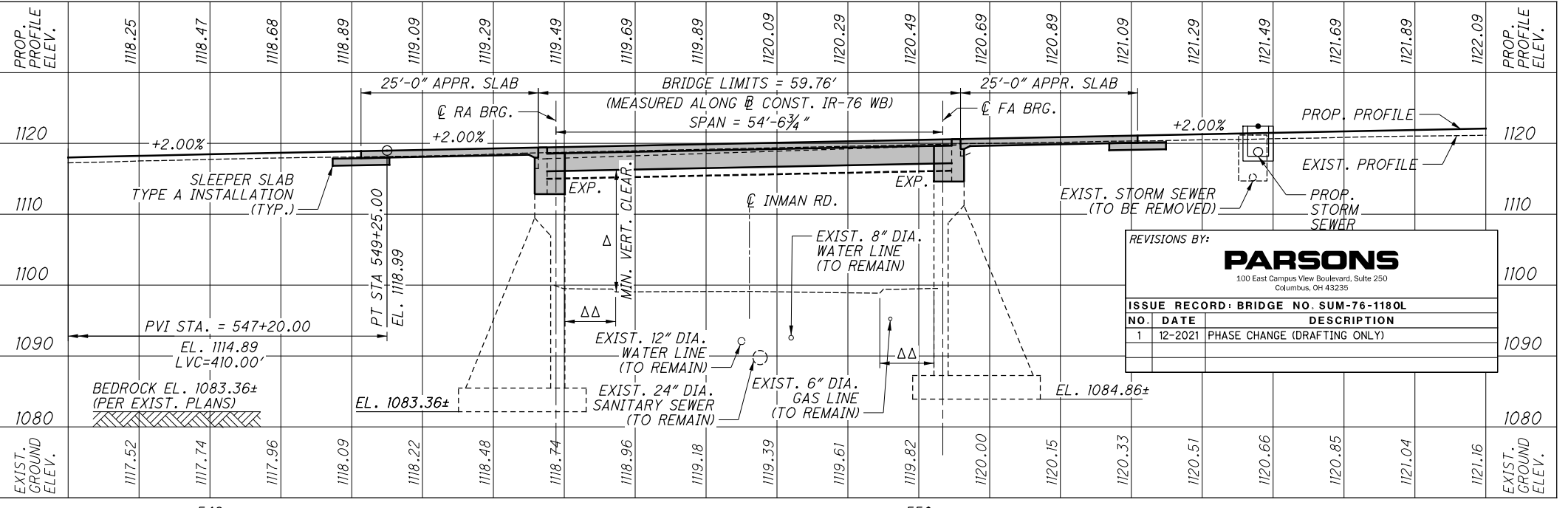


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PLAN
EASTBOUND STRUCTURE (SFN: 7706189) NOT SHOWN FOR CLARITY

NOTE: FOR PROPOSED WORK ON INMAN STREET BELOW BRIDGE SEE ROADWAY SHEETS



PROFILE ALONG @ CONSTRUCTION IR-76 WESTBOUND

BENCHMARK DATA Released for Construction
Thomas J Powell, PE
01/18/2022

BM-200	STA. 540+18.82	ELEV. 1087.539	OFFSET 405.26' RT.
BM-201	STA. 557+04.43	ELEV. 1132.268	OFFSET 101.58' RT.

STATIONS AND OFFSETS GIVEN WITH RESPECT TO @ CONST. IR-76 WB

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET 1022 AND GENERAL NOTES SHEET 7/41 FOR REFERENCE LINE DATA.

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
2020 ADT = 98,750 2020 ADTT = 15,800
2040 ADT = 101,590 2040 ADTT = 16,255
DIRECTIONAL DISTRIBUTION = 64%

@ REFERENCE LINE GEOMETRIC SCHEMATIC CAN BE FOUND ON SHEET 7/41

LEGEND

● PROJECT BORING LOCATION
 $\Delta = 14'-6''$ MIN. REQUIRED $\Delta\Delta = 4'-0''$ MIN. REQUIRED
 $14'-10\frac{1}{2}''$ ACTUAL VERTICAL CLEARANCE $7'-2\frac{1}{2}''$ ACTUAL HORIZ. CLEARANCE

PROJECT BORING LOCATIONS & TOP OF ROCK ELEVATIONS

BORING ID	STATION	OFFSET	T.O.R ELEVATION
B-073-0-16	549+50.36	83.4' LT.	1081.5
B-074-0-16	550+14.87	39.1' LT.	1087.5

EXISTING STRUCTURE

TYPE: SIMPLE SPAN STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE ON SPREAD FOOTINGS

SPANS: VARIES $57'-0\frac{1}{8}''$ TO $54'-7\frac{3}{8}''$ C/C BEARINGS

ROADWAY: $54'-0''$ TOE/TOE OF PARAPET

LOADING: HS20-44 CASE I AND ALTERNATE MILITARY LOADING

SKEW: $15^{\circ}45'40''$ LEFT FORWARD

APPROACH SLABS: AS-1-81 ($15'-0''$ LONG)

WEARING SURFACE: 1.2" MONOLITHIC CONCRETE

ALIGNMENT: CURVE $2^{\circ}28'00''$ LT.

CROWN: SUPERELEVATION 0.04 FT/FT

STRUCTURAL FILE NUMBER: 7706154

DATE BUILT: 1955, RECONSTRUCTED: 1992

DISPOSITION: GOOD CONDITION

PROPOSED STRUCTURE

PROP. SUPERSTRUCTURE: REPLACE THE EXISTING BEAMS WITH NEW BEAMS, PROVIDE ADDITIONAL NEW BEAMS AND WIDEN THE DECK.

SUBSTRUCTURE: WIDEN AND REHABILITATE THE EXISTING ABUTMENTS TO SEMI-INTEGRAL.

TYPE: SIMPLE SPAN NEW STEEL BEAM, COMPOSITE SUPERSTRUCTURE WITH REINFORCED CONCRETE DECK WITH SEMI-INTEGRAL ABUTMENTS.

SPANS: $54'-6\frac{3}{4}''$ C/C BEARINGS (MEASURED ALONG PROP. REFERENCE LINE)

ROADWAY: VARIES $80'-3\frac{5}{8}''$ (REAR) TO $74'-8\frac{1}{4}''$ (FWD) T/T PARAPET

LOADING: SUPERSTRUCTURE - HS25 CASE I AND ALTERNATE MILITARY LOADING WITH A FUTURE WEARING SURFACE LOADING OF 60 PSF

SUBSTRUCTURE - HS20 CASE I AND ALTERNATE MILITARY LOADING WITH A FUTURE WEARING SURFACE LOADING OF 60 PSF

SKEW: $15^{\circ}47'46''$ LEFT FORWARD (MEASURED ALONG PROP. REFERENCE LINE)

APPROACH SLABS: $25'-0''$ LONG (AS-1-15 & AS-2-15, TYPE A)

WEARING SURFACE: 1" MONOLITHIC CONCRETE

ALIGNMENT: CURVE $2^{\circ}15'00''$

CROWN: VARIES DECK AREA = 4828 SF

COORDINATES: LATITUDE $41^{\circ}03'43.64''$
LONGITUDE $81^{\circ}30'01.20''$

DESIGN AGENCY: Mannik Smith GROUP
DATE: 04/16/20
REVIEWED: RCH
DRAWN: DRH
DESIGNED: DRH
SUMMIT COUNTY: STA. 549+46.24
SITE PLAN: SUM-76-1180L
IR-76 WESTBOUND OVER INMAN STREET
2022-01-11-BU 10A - RFC PLANS
SUM-76 / 77 / 8
10.99 / 11.54 / 0.00
PID No. 101402
1 / 41
894
1022

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Thomas J Powell, PE
01/18/2022

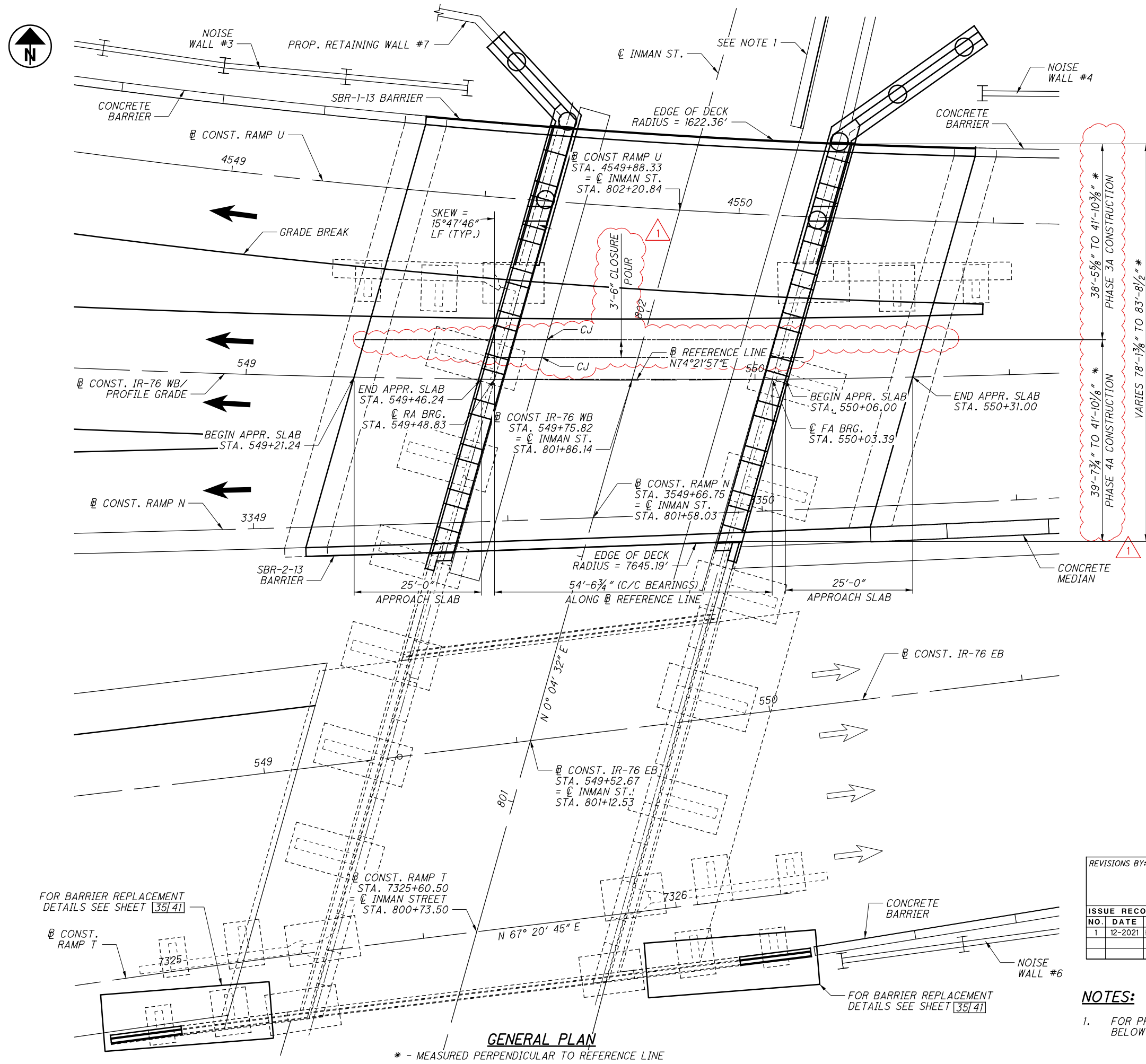


DESIGNED DRH RUS
CHECKED RUS
DRAWN RJS
REVISED
REVIEWED RCH
DATE 04/16/20
STRUCTURE FILE NUMBER 7706154

GENERAL PLAN
SUM-76-1180L
IR-76 WESTBOUND OVER INMAN STREET

2022-01-11-BU 10A - RFC PLANS
SUM-76/77/8
10.99/11.54/0.00
PID No. 101402

2/41
895
1022



REVISIONS BY:

PARSONS
100 East Campus View Boulevard, Suite 250
Columbus, OH 43235

ISSUE RECORD: BRIDGE NO. SUM-76-1180L		
NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

NOTES:

1. FOR PROPOSED WORK ON INMAN STREET BELOW BRIDGE SEE ROADWAY SHEETS.

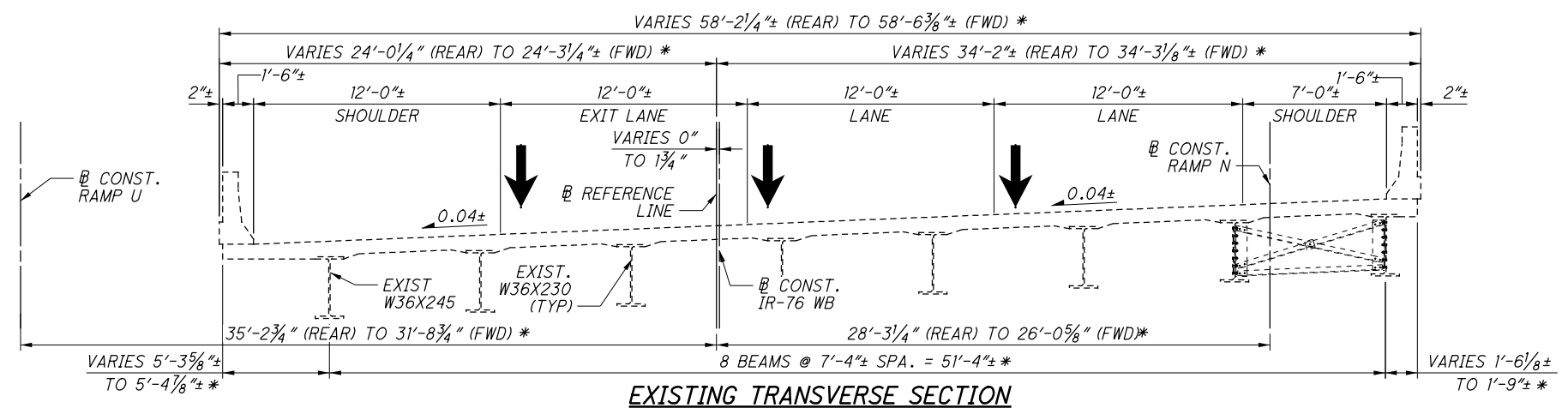
GENERAL PLAN
* - MEASURED PERPENDICULAR TO REFERENCE LINE

LEGEND:

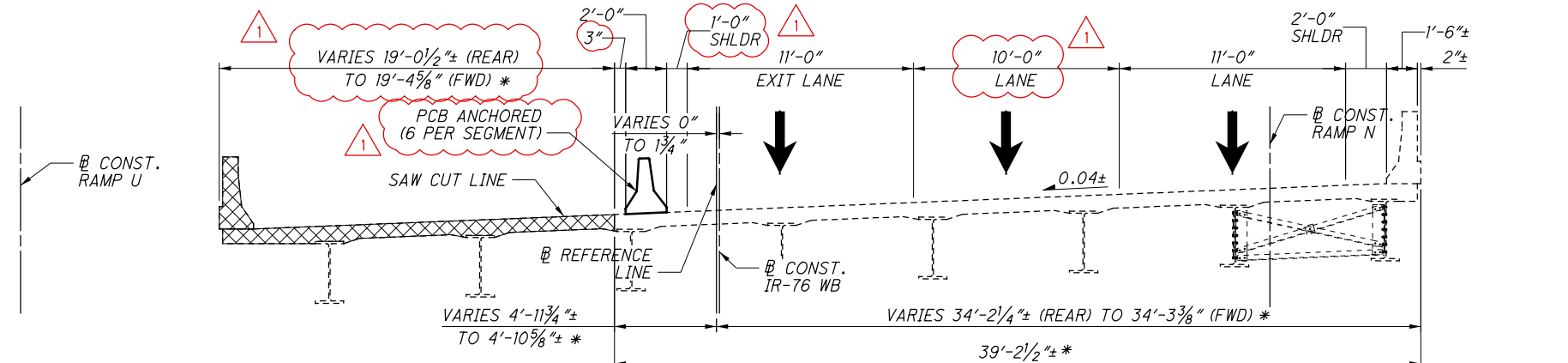
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- * - MEASURED PERPENDICULAR TO REFERENCE LINE

NOTES:

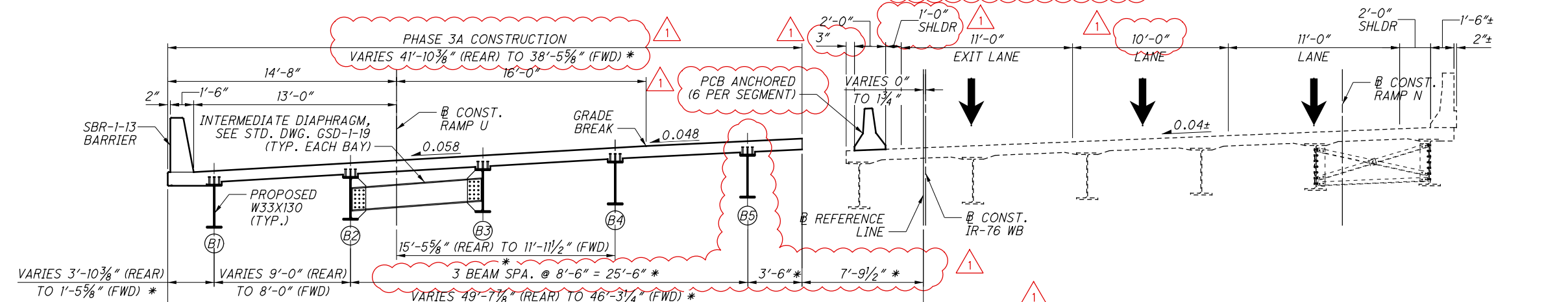
1. FOR ADDITIONAL PORTABLE CONCRETE BARRIER DETAILS, SEE ODOT STD. DWG. PCB-91.
2. ALL DIMENSIONS GIVEN MEASURED PERPENDICULAR TO CONST. RAMP OR IR-76 AND AT BRIDGE LIMITS, UNLESS SPECIFIED OTHERWISE.
3. APPROACH SLAB PHASE CONSTRUCTION SIMILAR. SEE SHEETS 36-37[41] FOR ADDITIONAL DETAILS.



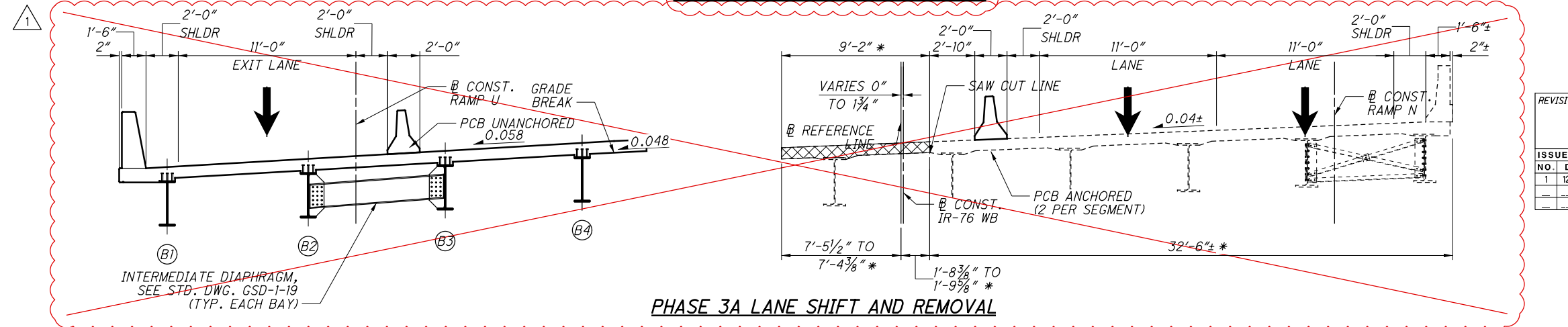
EXISTING TRANSVERSE SECTION



PHASE 3A REMOVAL LIMITS



PHASE 3A CONSTRUCTION LIMITS



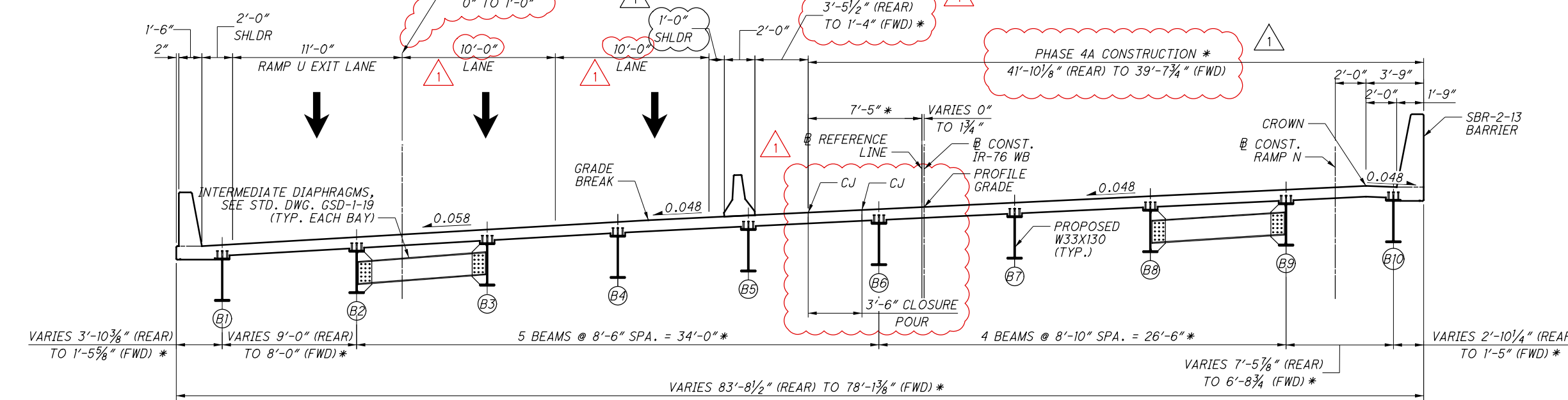
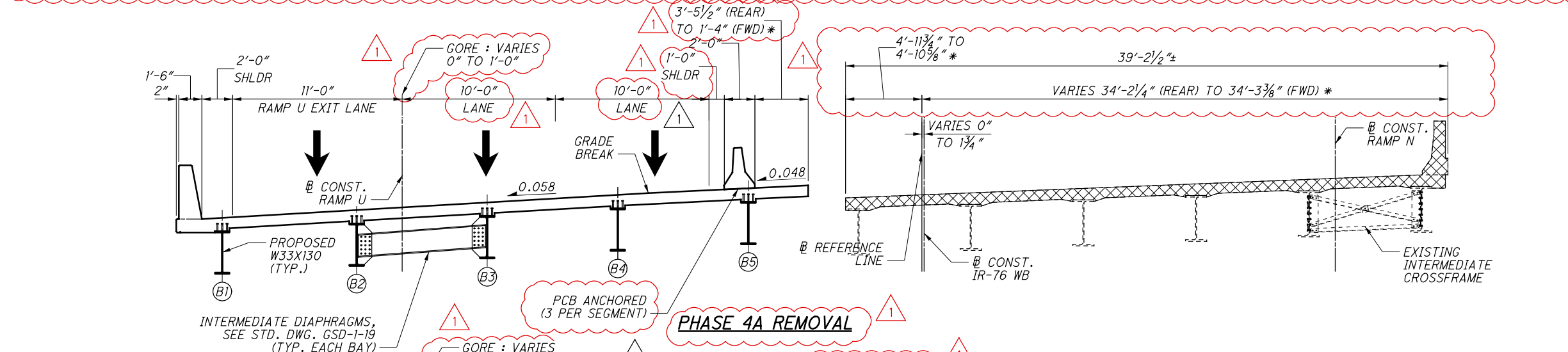
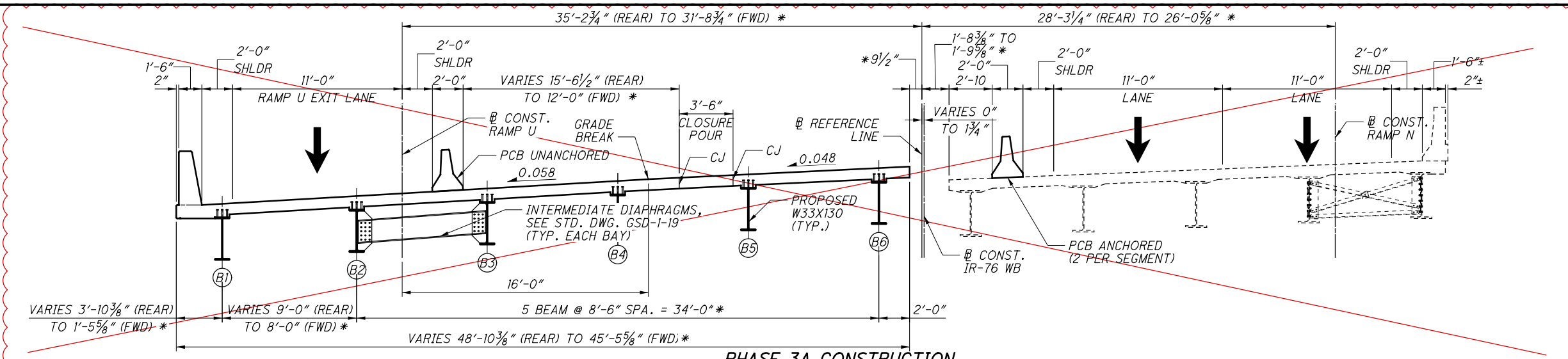
PHASE 3A LANE SHIFT AND REMOVAL

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 Columbus, OH 43235

NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

ISSUE RECORD: BRIDGE NO. SUM-76-1180L



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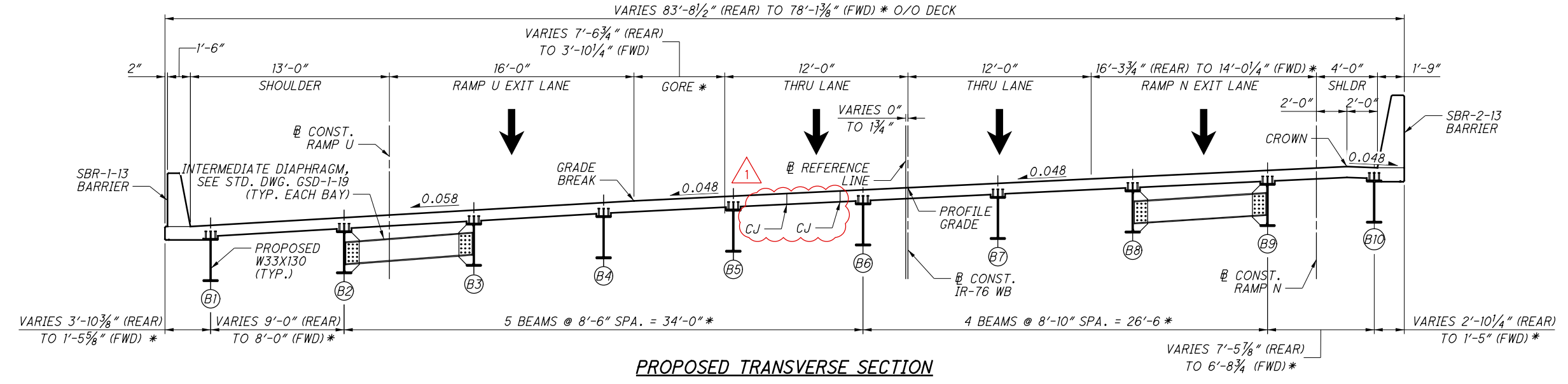
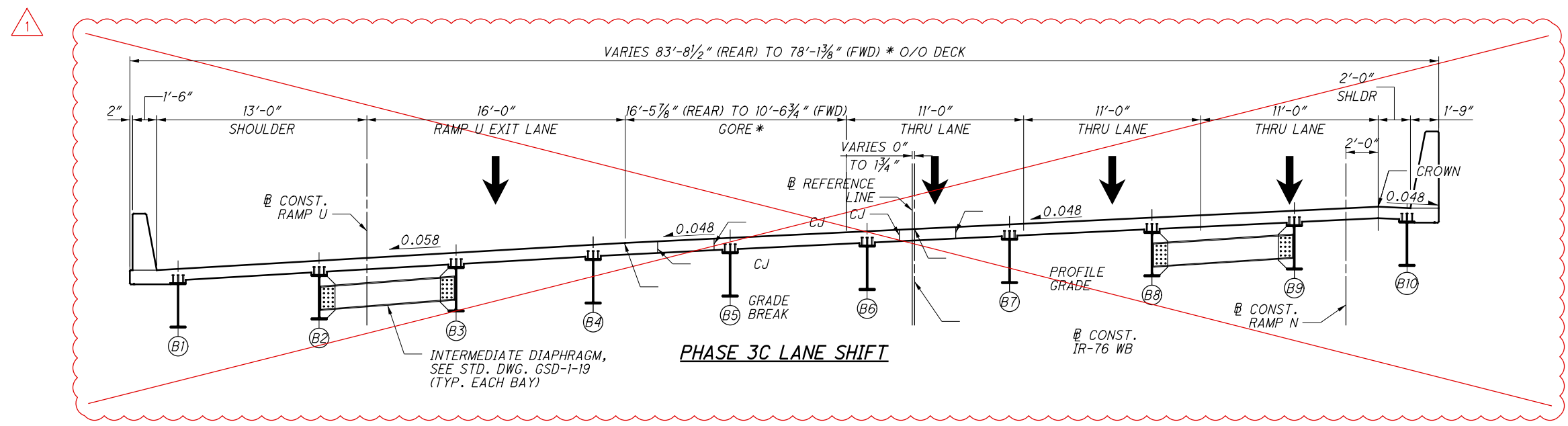
PARSONS
100 East Campus View Boulevard, Suite 250
Columbus, OH 43235

NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

- LEGEND:**
- INDICATES PORTION TO BE REMOVED
 - * - MEASURED PERPENDICULAR TO @ REFERENCE LINE

- NOTES:**
- FOR ADDITIONAL PORTABLE CONCRETE BARRIER DETAILS, SEE ODOT STD. DWG. PCB-91.
 - ALL DIMENSIONS GIVEN MEASURED PERPENDICULAR TO @ CONST. RAMPS OR IR-76 AND AT BRIDGE LIMITS, UNLESS SPECIFIED OTHERWISE.
 - APPROACH SLAB PHASE CONSTRUCTION SIMILAR. SEE SHEETS [36-37/41] FOR ADDITIONAL DETAILS.

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Ohio State Documents\B-Akron Beltway Rehab\10 - Design\102329\Structures\SUM076_1180L_Sum76_1180L.dwg
SUM-76-1180L
IR-76 WESTBOUND OVER INMAN STREET



REVISIONS BY:

PARSONS
 100 East Campus View Boulevard, Suite 290
 Columbus, OH 43235

ISSUE RECORD: BRIDGE NO. SUM-76-1180L		
NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

LEGEND:
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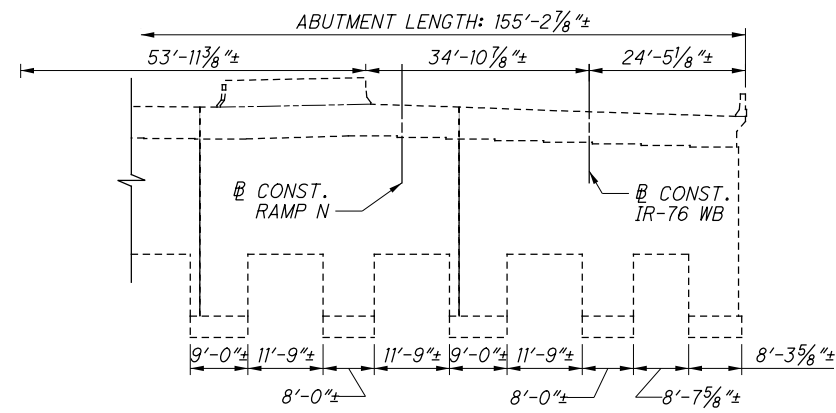
- NOTES:**
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 - APPROACH SLAB PHASE CONSTRUCTION SIMILAR. SEE SHEETS [36-37/41] FOR ADDITIONAL DETAILS.

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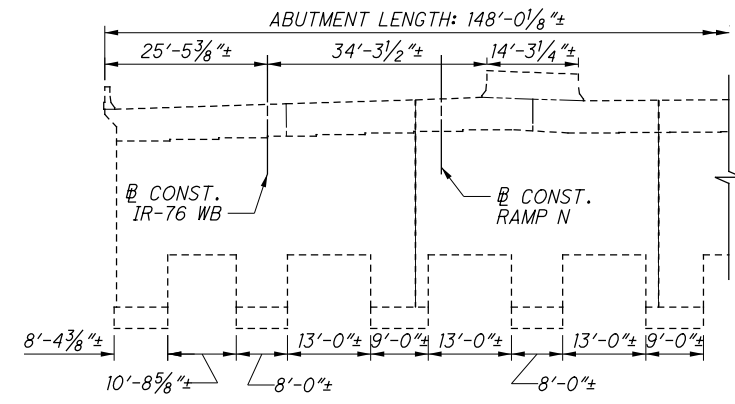
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Released for Construction
Thomas J Powell, PE
01/18/2022

1800 INDIAN WOOD CIRCLE
MAUMEE, OHIO 43537
Mannik Smith GROUP
DATE 04/16/20
REVIEWED RCH
STRUCTURE FILE NUMBER 7706154
DRAWN DRH
CHECKED RUS
DESIGNED DRH
SUM-76-1180L
PHASED CONSTRUCTION DETAILS - 4
IR-76 WESTBOUND OVER INMAN STREET
2022-01-11-BU 10A - RFC PLANS
SUM-76/77/8
10.99 / 11.54 / 0.00
PID No. 101402
12 / 41
905
1022



EXISTING REAR ABUTMENT



EXISTING FORWARD ABUTMENT

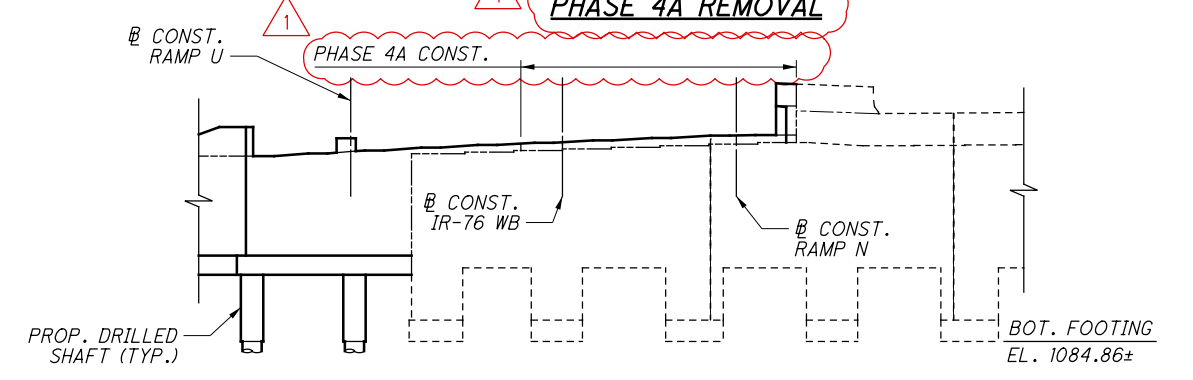
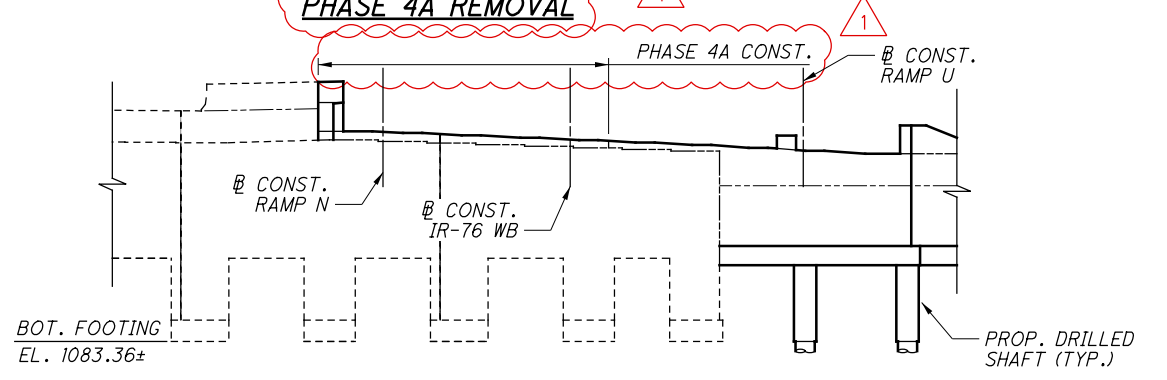
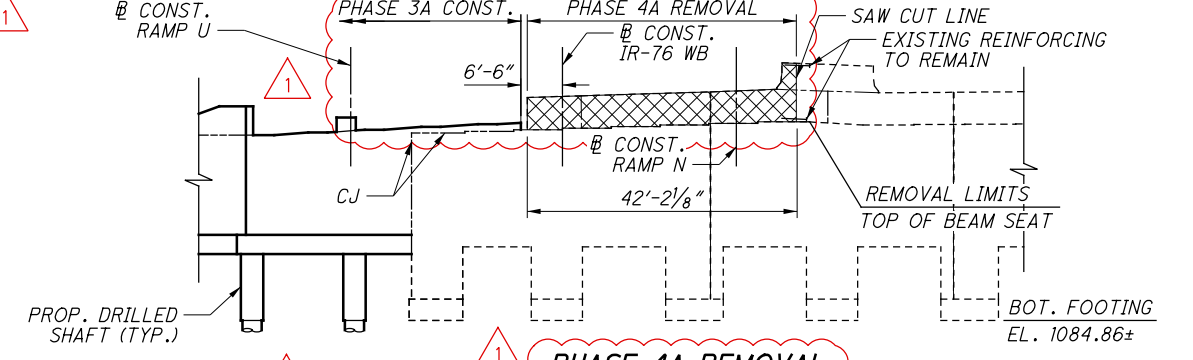
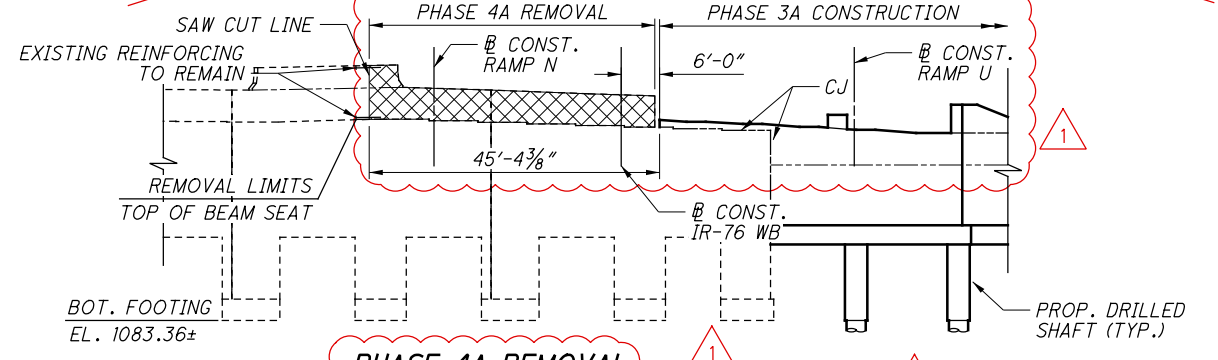
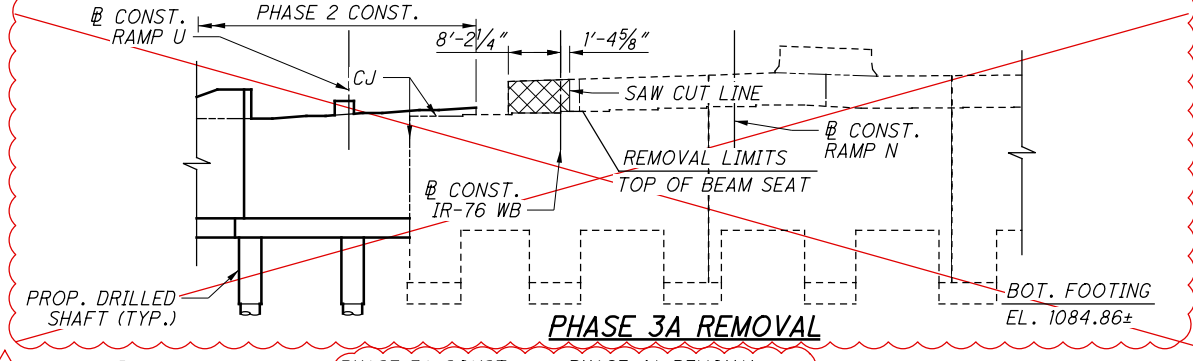
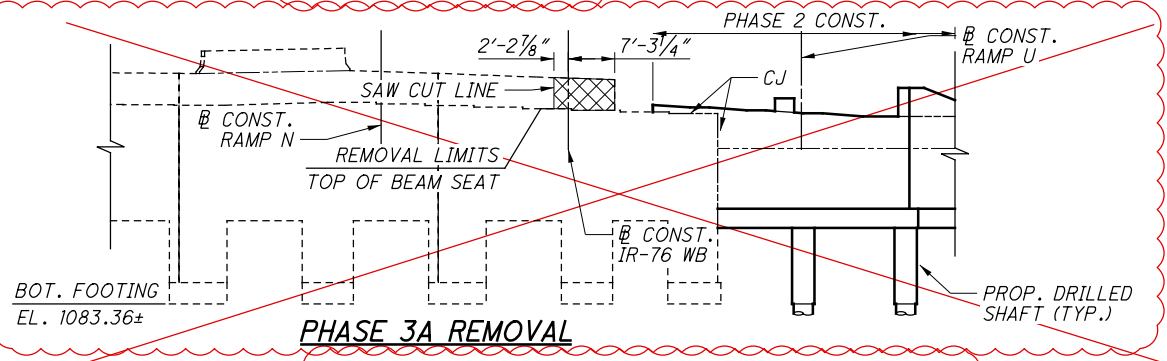
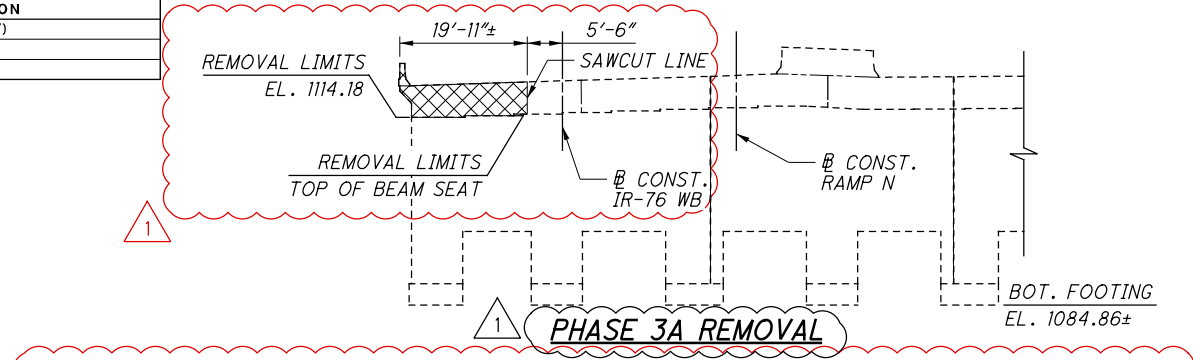
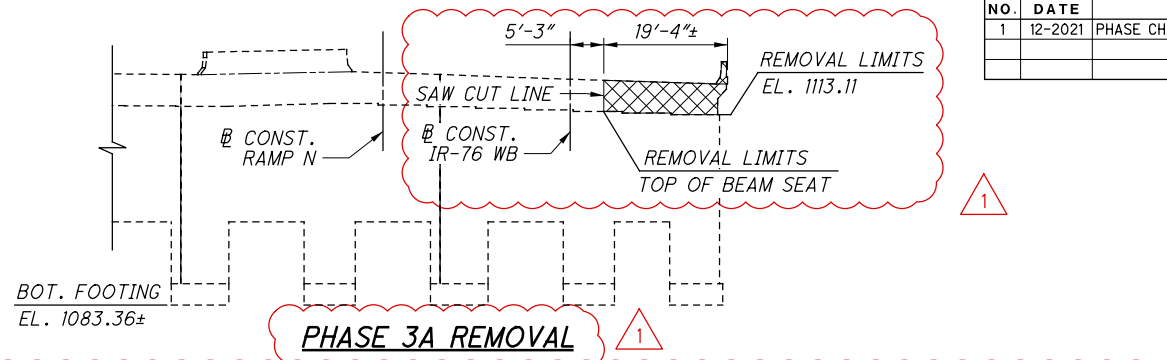
- LEGEND:**
 DENOTES REMOVAL LIMITS
- NOTES:**
 1. WINGWALL NOT SHOWN FOR CLARITY
 2. SALVAGE EXISTING REINFORCING IN EXISTING ABUTMENT THAT IS TO CONTINUE INTO PROPOSED ABUTMENT.

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 Columbus, OH 43235

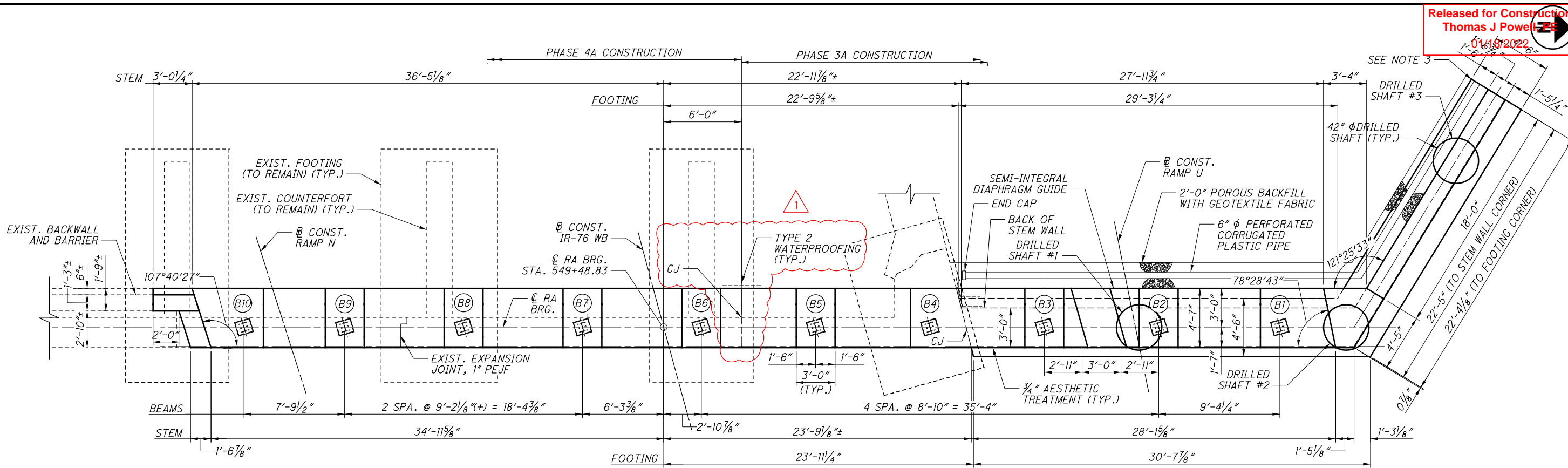
NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

ISSUE RECORD: BRIDGE NO. SUM-76-1180L



PROPOSED FORWARD ABUTMENT

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 NO. DATE DESCRIPTION
 1 12-2021 PHASE CHANGE (DRAFTING ONLY)
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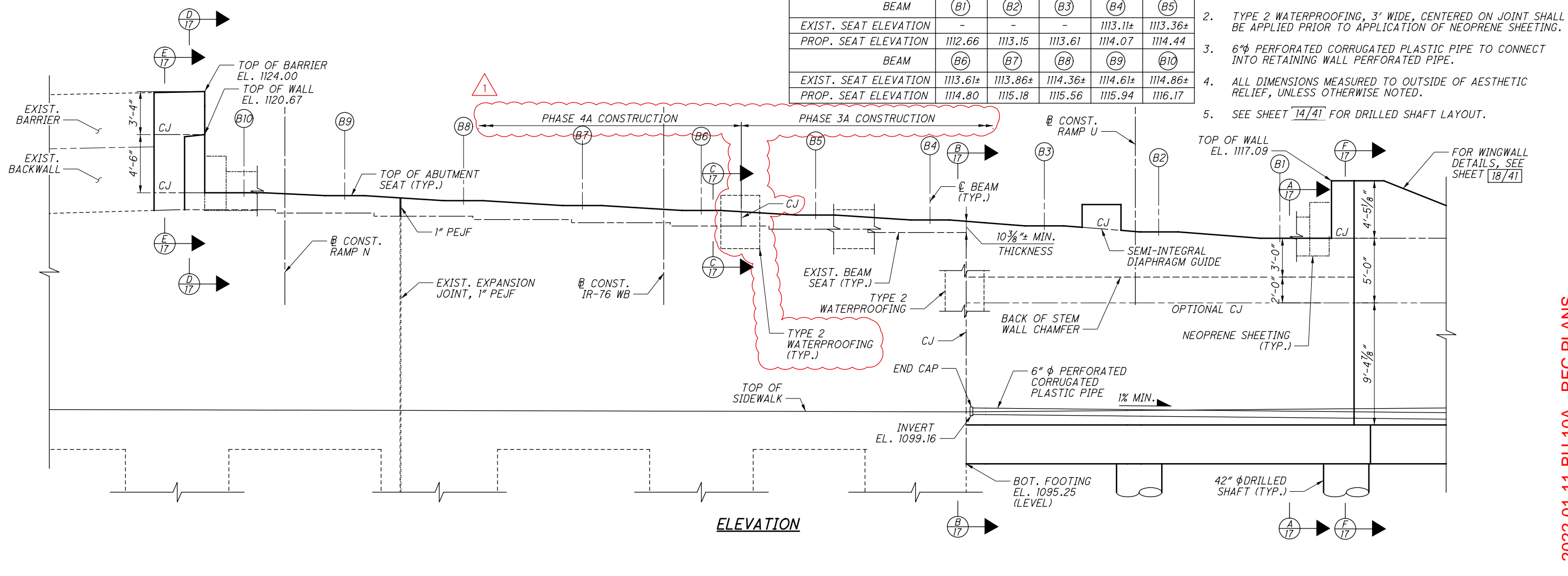


PLAN

BEAM SEAT ELEVATIONS					
BEAM	B1	B2	B3	B4	B5
EXIST. SEAT ELEVATION	-	-	-	1113.11±	1113.36±
PROP. SEAT ELEVATION	1112.66	1113.15	1113.61	1114.07	1114.44
BEAM	B6	B7	B8	B9	B10
EXIST. SEAT ELEVATION	1113.61±	1113.86±	1114.36±	1114.61±	1114.86±
PROP. SEAT ELEVATION	1114.80	1115.18	1115.56	1115.94	1116.17

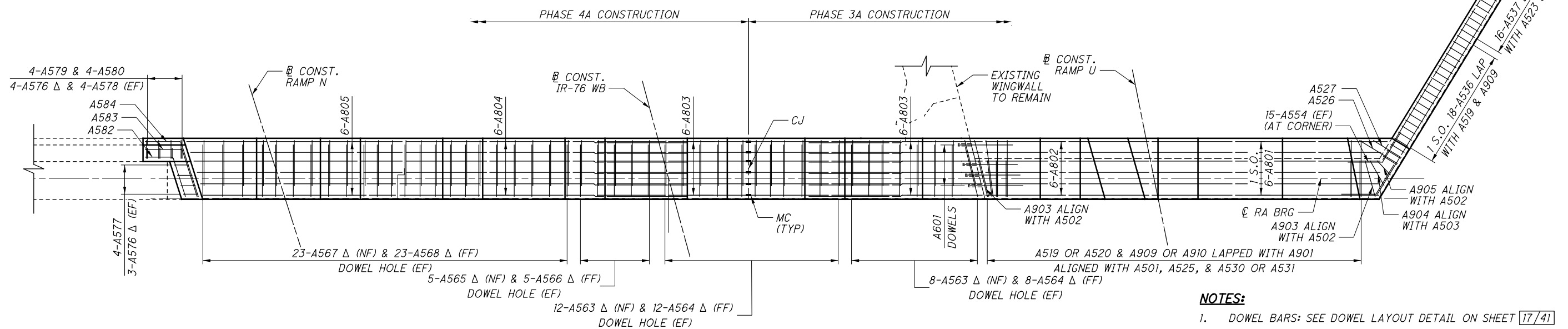
NOTES:

- SEE ODOT STD. DWG. SICD-2-14 FOR ADDITIONAL SEMI-INTEGRAL DIAPHRAGM GUIDE DETAILS.
- TYPE 2 WATERPROOFING, 3' WIDE, CENTERED ON JOINT SHALL BE APPLIED PRIOR TO APPLICATION OF NEOPRENE SHEETING.
- 6" φ PERFORATED CORRUGATED PLASTIC PIPE TO CONNECT INTO RETAINING WALL PERFORATED PIPE.
- ALL DIMENSIONS MEASURED TO OUTSIDE OF AESTHETIC RELIEF, UNLESS OTHERWISE NOTED.
- SEE SHEET 14/41 FOR DRILLED SHAFT LAYOUT.



ELEVATION

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 NO. DATE DESCRIPTION
 1 12-2021 PHASE CHANGE (DRAFTING ONLY)
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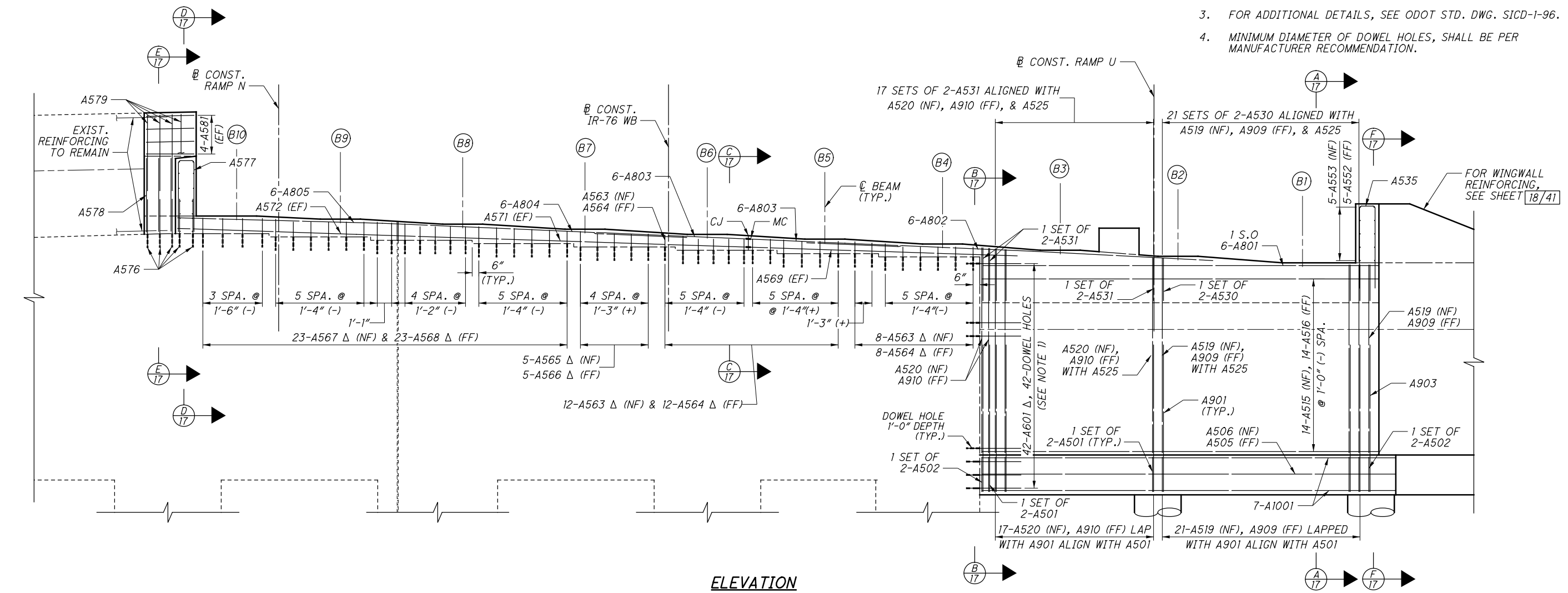


PLAN

(ABUTMENT STEM WALL REINFORCING SHOWN ONLY)

NOTES:

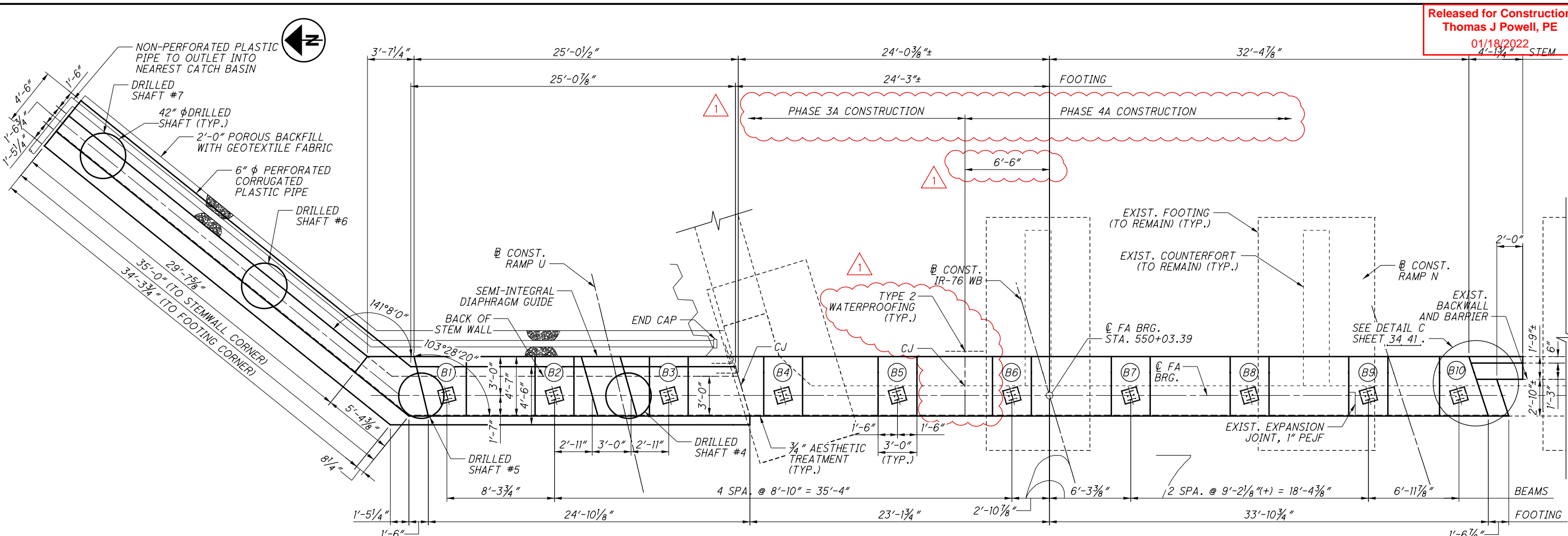
1. DOWEL BARS: SEE DOWEL LAYOUT DETAIL ON SHEET 17/41
2. REINFORCING SPLICE LENGTHS SHALL BE UNLESS SPECIFIED OTHERWISE AS NOTED:
 #5 - 2'-5"
 #8 - 6'-10"
 #9 - 8'-1"
3. FOR ADDITIONAL DETAILS, SEE ODOT STD. DWG. SICD-1-96.
4. MINIMUM DIAMETER OF DOWEL HOLES, SHALL BE PER MANUFACTURER RECOMMENDATION.



ELEVATION

2022-01-11-BU-10A-REC-PLANS

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BEAM SEAT ELEVATIONS

BEAM	B1	B2	B3	B4	B5
EXIST. SEAT ELEVATION	-	-	-	1114.18±	1114.43±
PROP. SEAT ELEVATION	1113.82	1114.24	1114.69	1115.14	1115.54

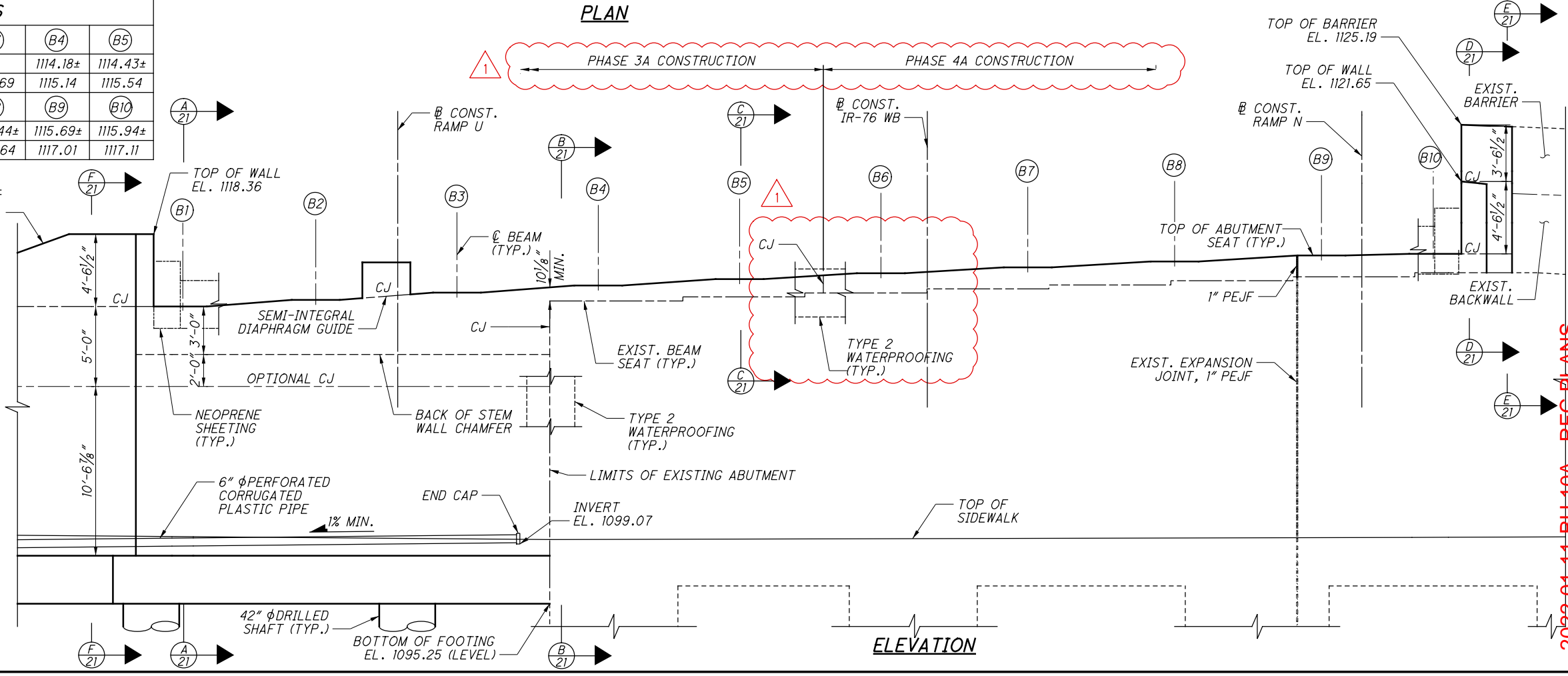
BEAM	B6	B7	B8	B9	B10
EXIST. SEAT ELEVATION	1114.68±	1114.93±	1115.44±	1115.69±	1115.94±
PROP. SEAT ELEVATION	1115.90	1116.27	1116.64	1117.01	1117.11

REVISIONS BY:

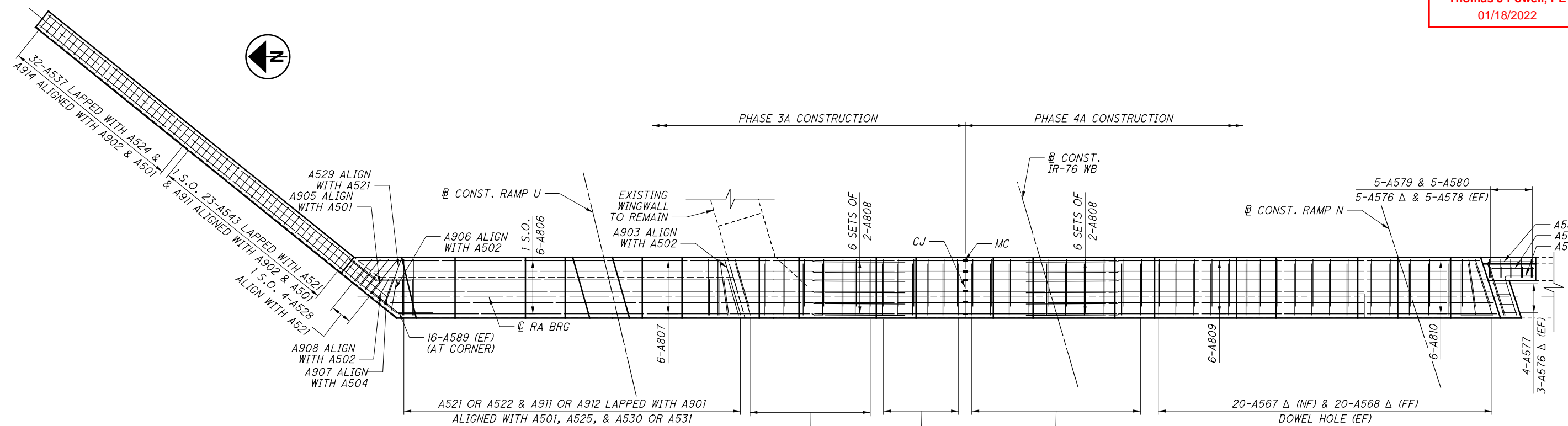
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 Columbus, OH 43235

NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

- NOTES:**
- SEE ODOT STD. DWG. SICD-2-14 FOR ADDITIONAL SEMI-INTEGRAL DIAPHRAGM GUIDE DETAILS.
 - TYPE 2 WATERPROOFING, 3' WIDE, CENTERED ON JOINT SHALL BE APPLIED PRIOR TO APPLICATION OF NEOPRENE SHEETING.
 - ALL DIMENSIONS MEASURED TO OUTSIDE OF AESTHETIC RELIEF, UNLESS OTHERWISE NOTED.
 - SEE SHEET 22 41 FOR DRILLED SHAFT LAYOUT.



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NOTES:

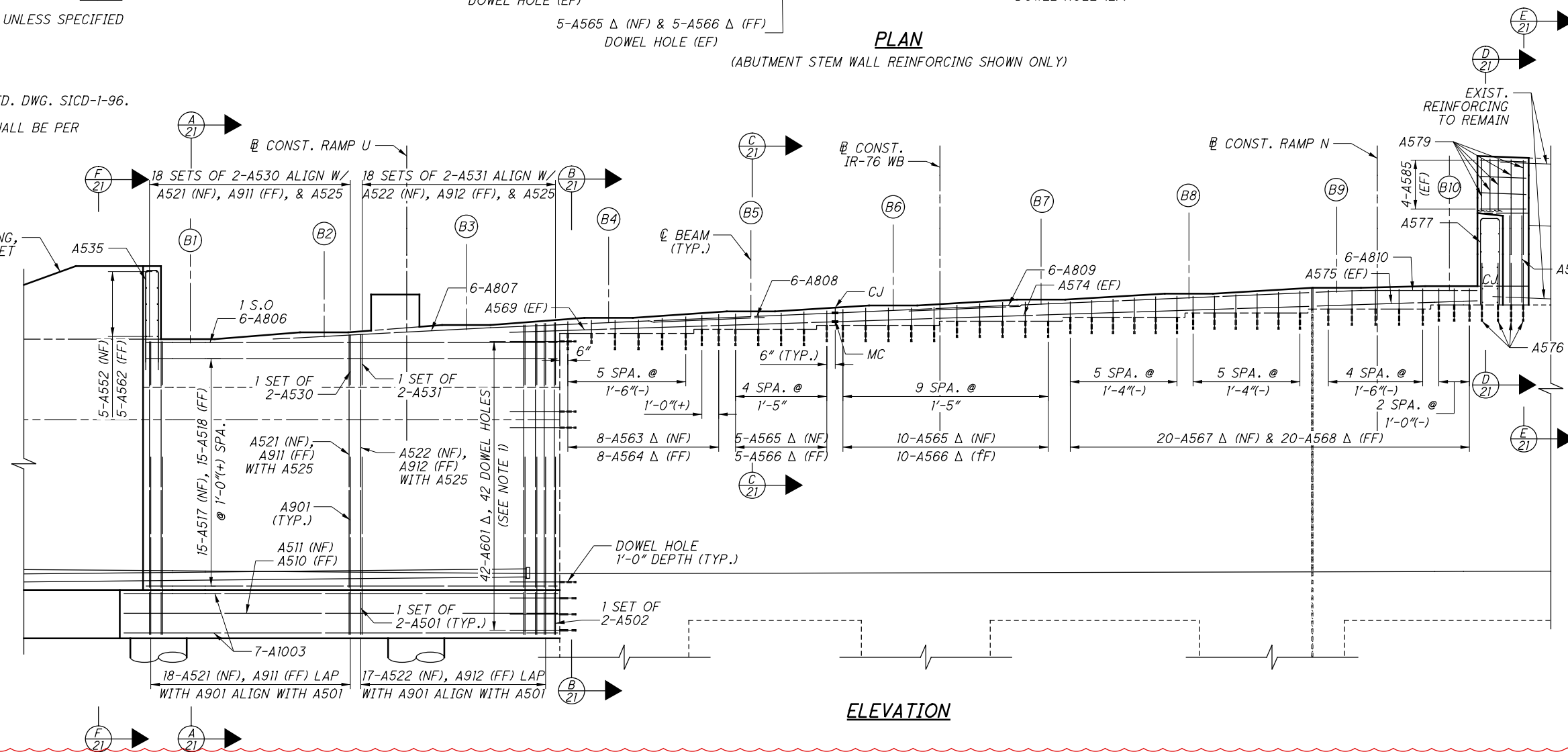
- DOWEL BARS: SEE DOWEL LAYOUT DETAIL ON SHEET [21/41]
- REINFORCING SPLICE LENGTHS SHALL BE UNLESS SPECIFIED OTHERWISE AS NOTED:
 #5 - 2'-5"
 #8 - 6'-10"
 #9 - 8'-1"
- FOR ADDITIONAL DETAILS, SEE ODOT STD. DWG. SICD-1-96.
- MINIMUM DIAMETER OF DOWEL HOLES, SHALL BE PER MANUFACTURER RECOMMENDATION.

PLAN
 (ABUTMENT STEM WALL REINFORCING SHOWN ONLY)

REVISIONS BY:

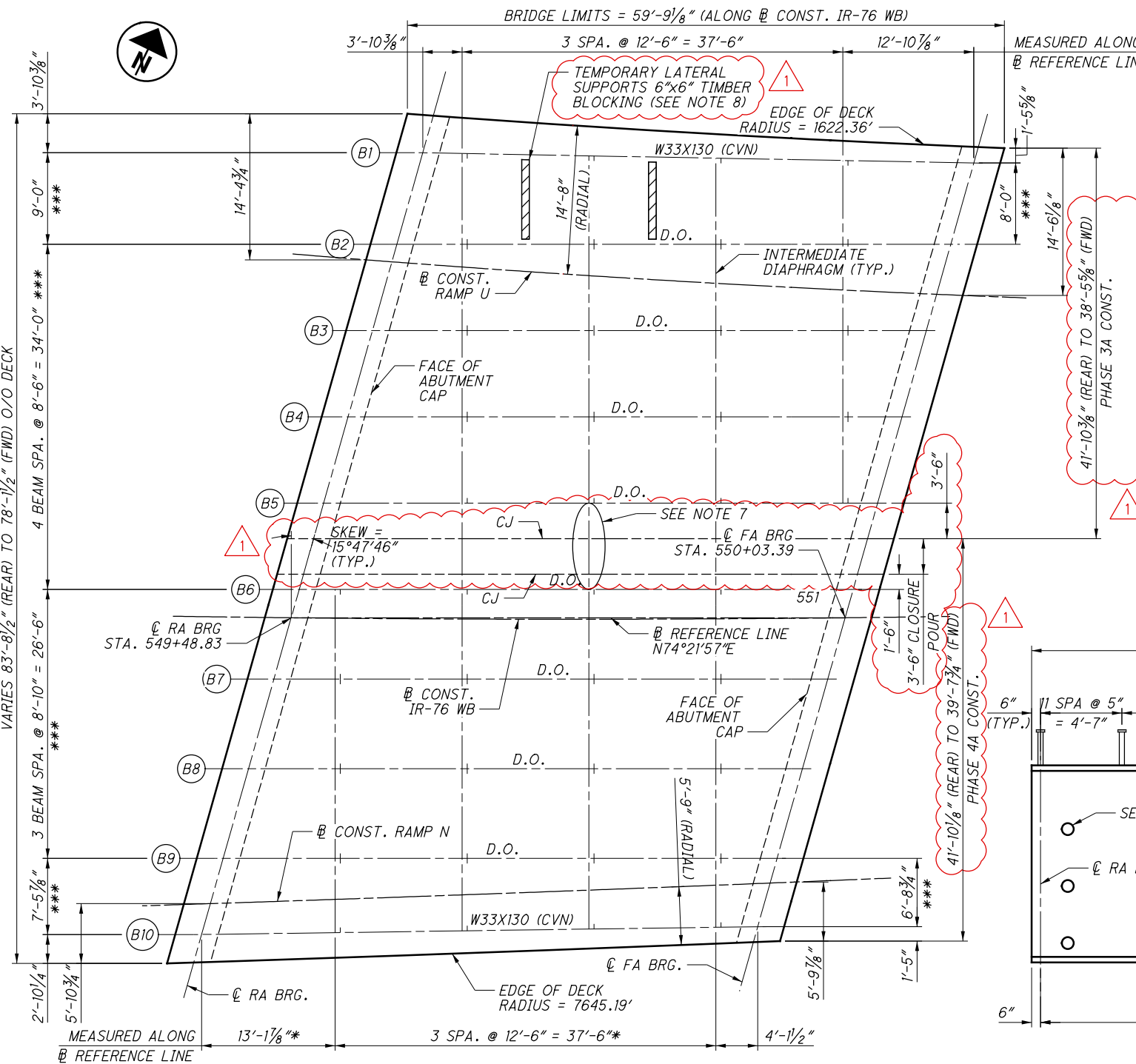
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NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)



ELEVATION

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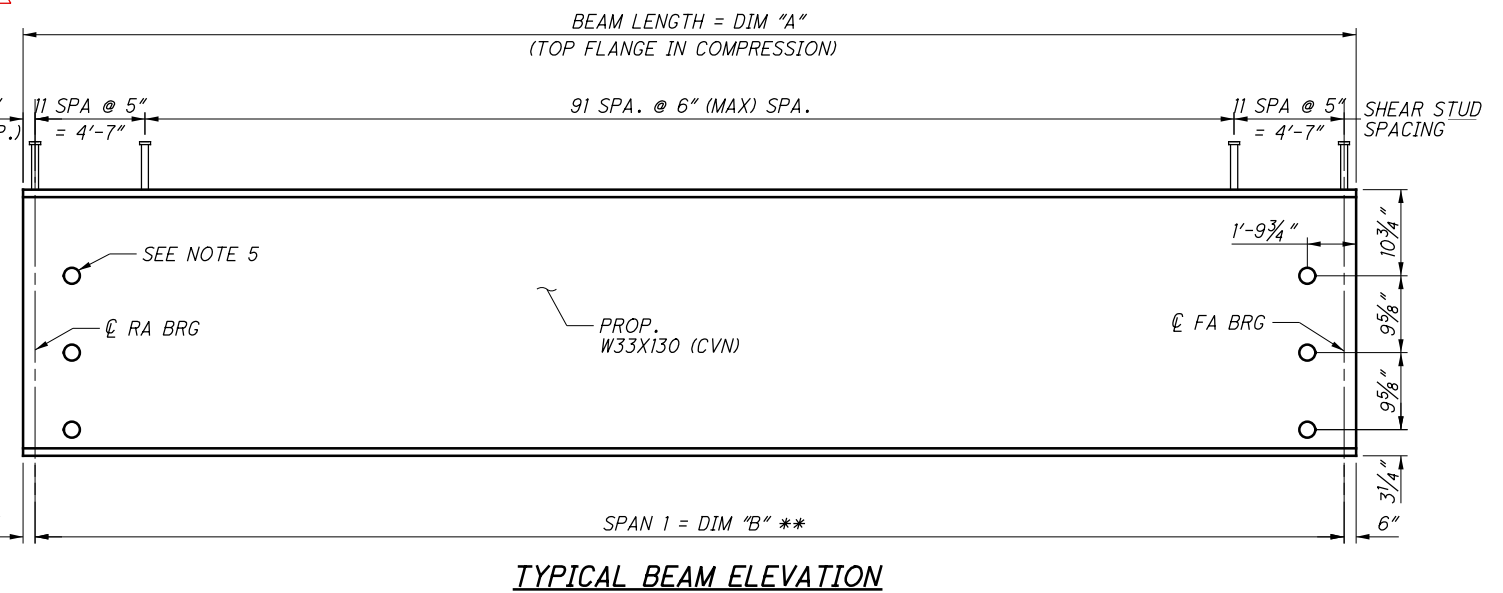
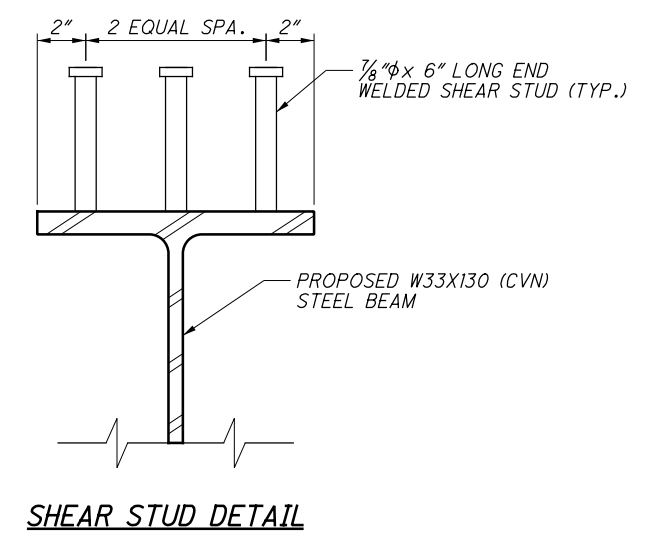
FRAMING PLAN

- NOTES:**
1. FOR CAMBER DETAILS, SEE SHEET [26/41].
 2. WELD ATTACHMENTS OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE TO AREAS ON THE FASCIA BEAM FLANGES DESIGNATED "COMPRESSION." FILLET WELDS TO COMPRESSION FLANGES SHALL BE AT LEAST 1 INCH FROM THE EDGE OF FLANGE, BE NO MORE THAN 2" LONG AND BE AT LEAST 1/4 INCH FOR THICKNESSES UP TO 3/4 INCH OR 5/16 INCH FOR GREATER THAN 3/4 INCH THICK.
 3. CVN: WHERE A SHAPE OR PLATE IS DESIGNATED (CVN) FURNISH MATERIAL THAT MEETS MINIMUM NOTCH TOUGHNESS REQUIREMENTS AS SPECIFIED IN 711.01.
 4. INTERMEDIATE DIAPHRAGMS SHALL BE AS PER ODOT STD. DWG. GSD-1-19.
 5. 2" HOLES, INCLUDED WITH ITEM 513, STRUCTURAL STEEL MEMBERS FOR PAYMENT. SEE DETAIL B ON SHEET [31-32/41].
 6. SEE GENERAL NOTES SHEET [4, 41] FOR COATING REQUIREMENTS.

7. DO NOT PERMANENTLY ATTACH DIAPHRAGMS BETWEEN BEAMS "B5" AND "B6" UNTIL THE PHASE 4A CONCRETE DECK OUTSIDE OF THE CLOSURE POUR HAS BEEN CURED. PERMANENTLY ATTACH DIAPHRAGMS PRIOR TO PERFORMING CLOSURE POUR.
8. TEMPORARY LATERAL SUPPORTS COMPRISED OF 6" x 6" TIMBER BLOCKING WEDGED BETWEEN THE BEAMS ON TOP OF THE BOTTOM FLANGE SHALL BE PLACED BETWEEN BEAMS "B1" AND "B2" WHERE THE PROPOSED OVERHANG IS GREATER THAN 2'-6". PLACE SUPPORTS AT 1/2 POINTS BETWEEN PROPOSED DIAPHRAGMS. TEMPORARY SUPPORTS SHALL BE PLACED PRIOR TO THE PHASE 2 DECK POUR AND CAN BE REMOVED AFTER THE DECK HAS CURED.

BEAM DIMENSIONS

	DIM "A"	DIM "B"
BEAM B1	55'-3 1/16"	54'-3 1/16"
BEAM B2	55'-6 3/4"	54'-6 3/4"
BEAM B3	55'-6 3/4"	54'-6 3/4"
BEAM B4	55'-6 3/4"	54'-6 3/4"
BEAM B5	55'-6 3/4"	54'-6 3/4"
BEAM B6	55'-6 3/4"	54'-6 3/4"
BEAM B7	55'-6 3/4"	54'-6 3/4"
BEAM B8	55'-6 3/4"	54'-6 3/4"
BEAM B9	55'-6 3/4"	54'-6 3/4"
BEAM B10	55'-9 3/8"	54'-9 3/8"



REVISIONS BY:

PARSONS
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Columbus, OH 43235

ISSUE RECORD: BRIDGE NO. SUM-76-1180L

NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

- LEGEND:**
- * - MEASURED ALONG @ REFERENCE LINE
 - ** - MEASURED ALONG @ BEAM
 - *** - MEASURED PERPENDICULAR TO @ REFERENCE LINE

p:\ANVAD\1P\W\101\parsons.com\Ohio State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\SUM076_1180L\Sheets\076_1180L_SD201.dgn Sheet 1/11/2022 10:12:32 AM p0069202

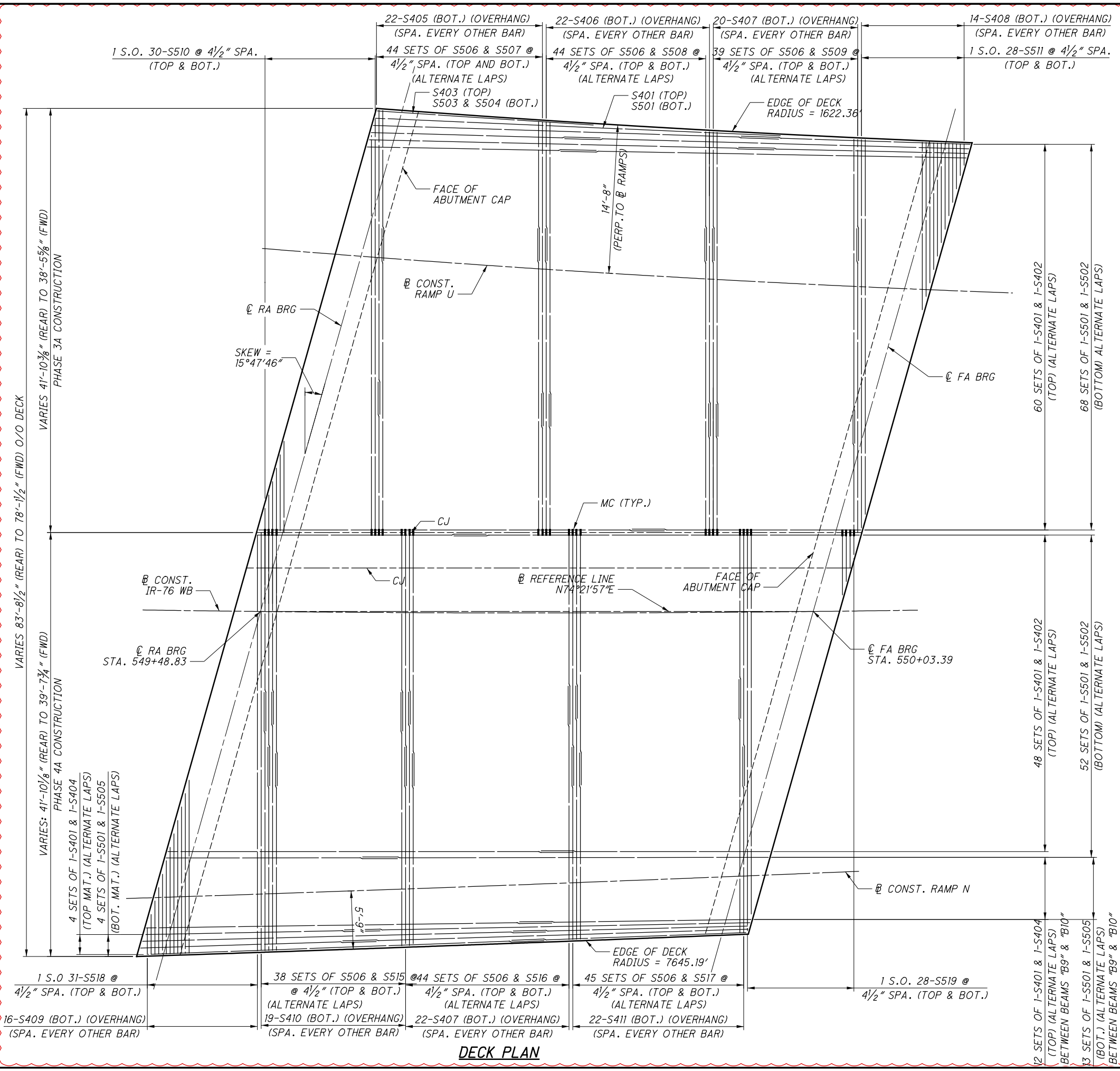
Released for Construction
 Thomas J Powell, PE
 01/18/2022



DESIGNED	DRH	CHECKED	RJS
DRAWN	DRH	REVISED	
REVIEWED	RCH	STRUCTURE FILE NUMBER	7706154
DATE	04/16/20		

DECK PLAN
 SUM-76-1180L
 IR-76 WESTBOUND OVER INMAN STREET

2022-01-11-BU 10A - RFC PLANS
 SUM-76/77/8
 10.99 / 11.54 / 0.00
 PID No. 101402



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 Columbus, OH 43235

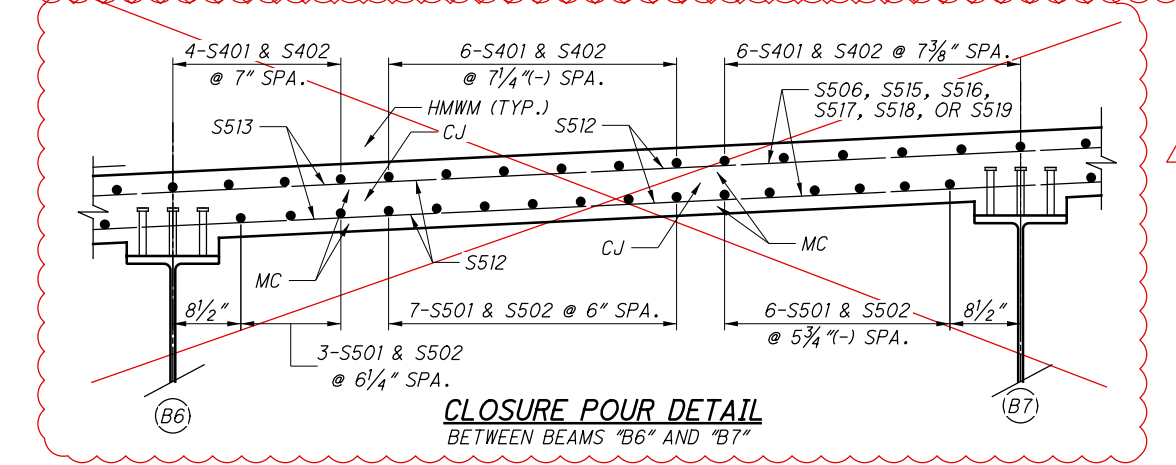
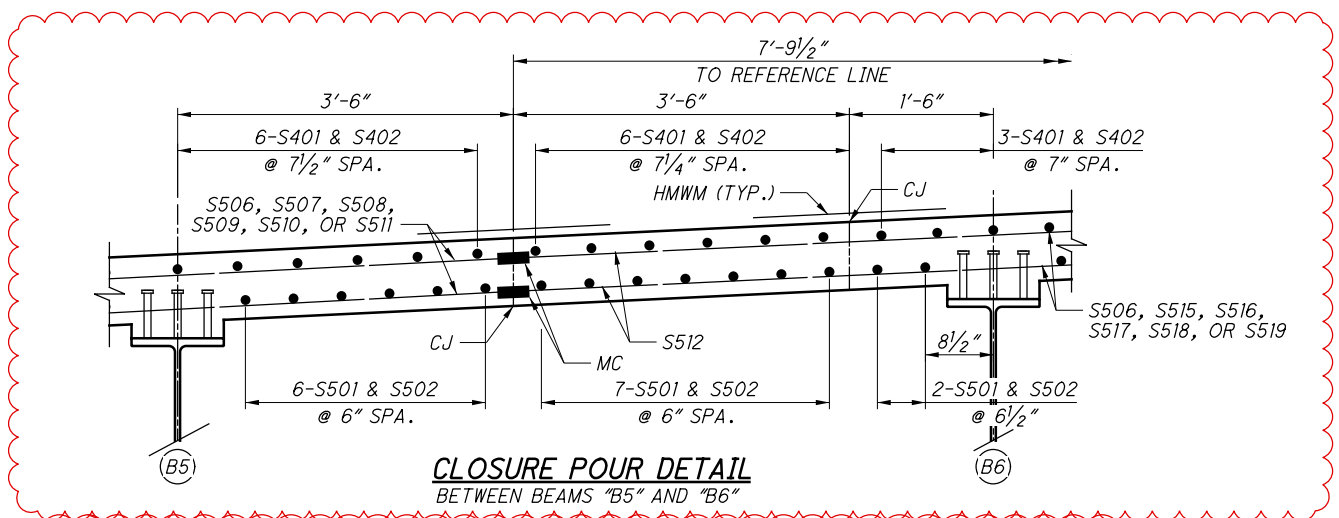
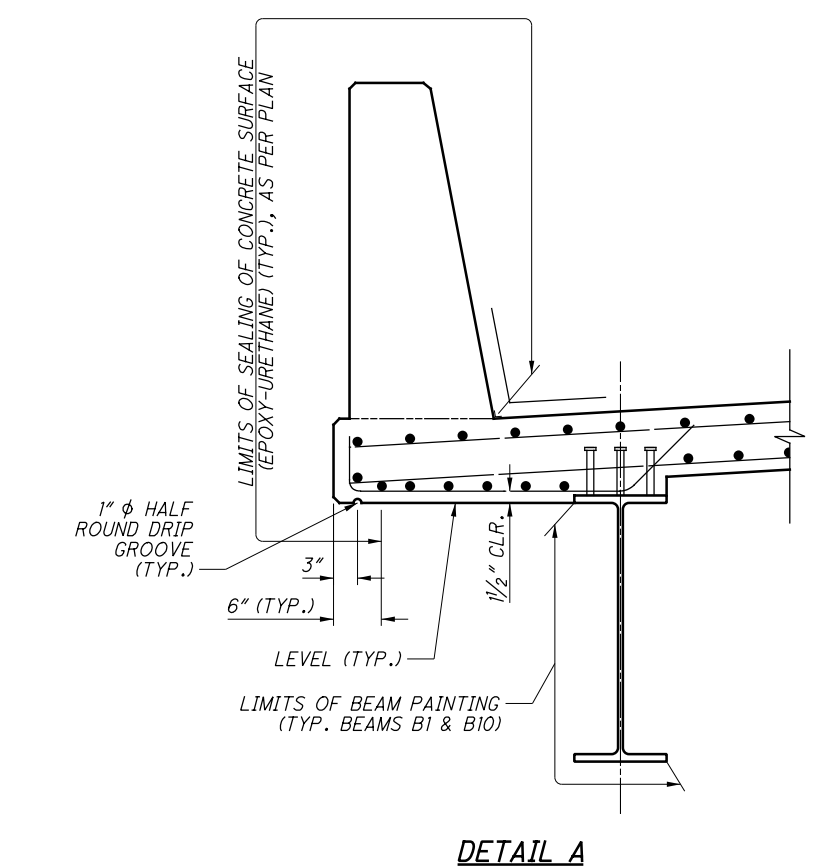
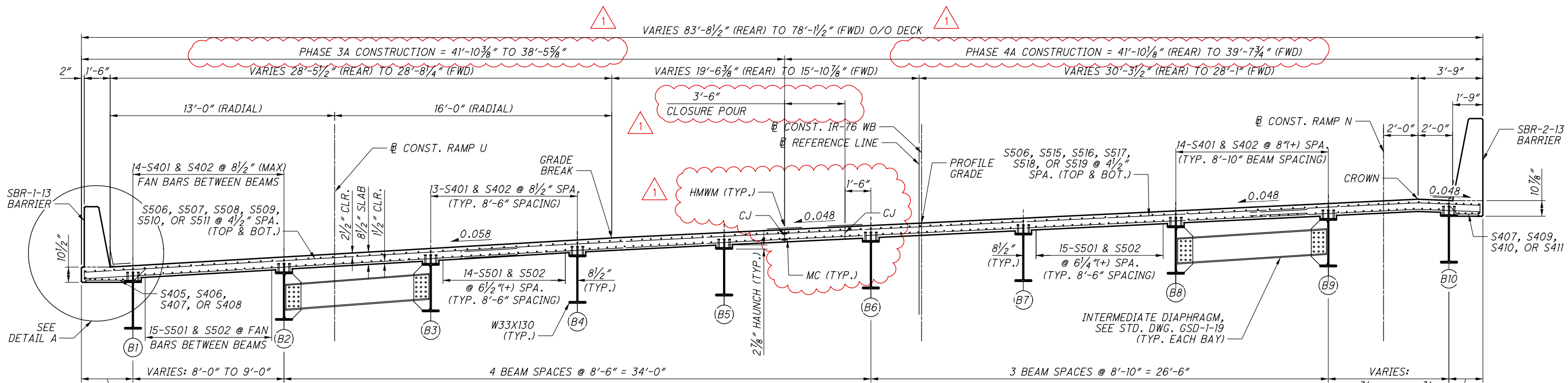
NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

- NOTES:**
- FOR FRAMING PLAN, SEE SHEET 25/41.
 - FOR BARRIER DETAILS, SEE SHEET 33-34/41.
 - FOR ADDITIONAL INTERMEDIATE DIAPHRAGM DETAILS, SEE ODOT STANDARD DRAWING GSD-1-19.
 - REINFORCING LAP LENGTHS SHALL BE AS FOLLOWS, UNLESS SPECIFIED OTHERWISE:
 #4 - 2'-9"
 #5 - 3'-2"
 - DECK SLAB CONCRETE QUANTITY: THE ESTIMATED QUANTITY OF DECK SLAB CONCRETE IS BASED ON THE CONSTANT DECK SLAB THICKNESS, AS SHOWN, PLUS THE QUANTITY OF THE CONCRETE THAT FORMS EACH BEAM HAUNCH. THE ESTIMATE ASSUMES A CONSTANT HAUNCH THICKNESS OF 2 7/8" AND CONSTANT HAUNCH WIDTH EQUAL TO THE EDGE OF EACH FLANGE. DEVIATE FROM THIS HAUNCH THICKNESS AS NECESSARY TO PLACE THE DECK SURFACE AT THE FINISHED GRADE.

 THE HAUNCH THICKNESS WAS MEASURED AT THE CENTERLINE OF THE BEAM, FROM THE SURFACE OF THE DECK TO THE BOTTOM OF TOP FLANGE MINUS THE DECK SLAB THICKNESS. THE AREA OF ALL EMBEDDED STEEL PLATES HAS BEEN DEDUCTED FROM THE HAUNCH QUANTITY IN ACCORDANCE WITH 511.23.
 - DO NOT PERMANENTLY ATTACH DIAPHRAGMS BETWEEN BEAMS "B5" AND "B6" UNTIL THE PHASE 4A CONCRETE DECK OUTSIDE OF THE CLOSURE POUR HAS BEEN CURED. PERMANENTLY ATTACH DIAPHRAGMS PRIOR TO PERFORMING CLOSURE POUR.

DECK PLAN

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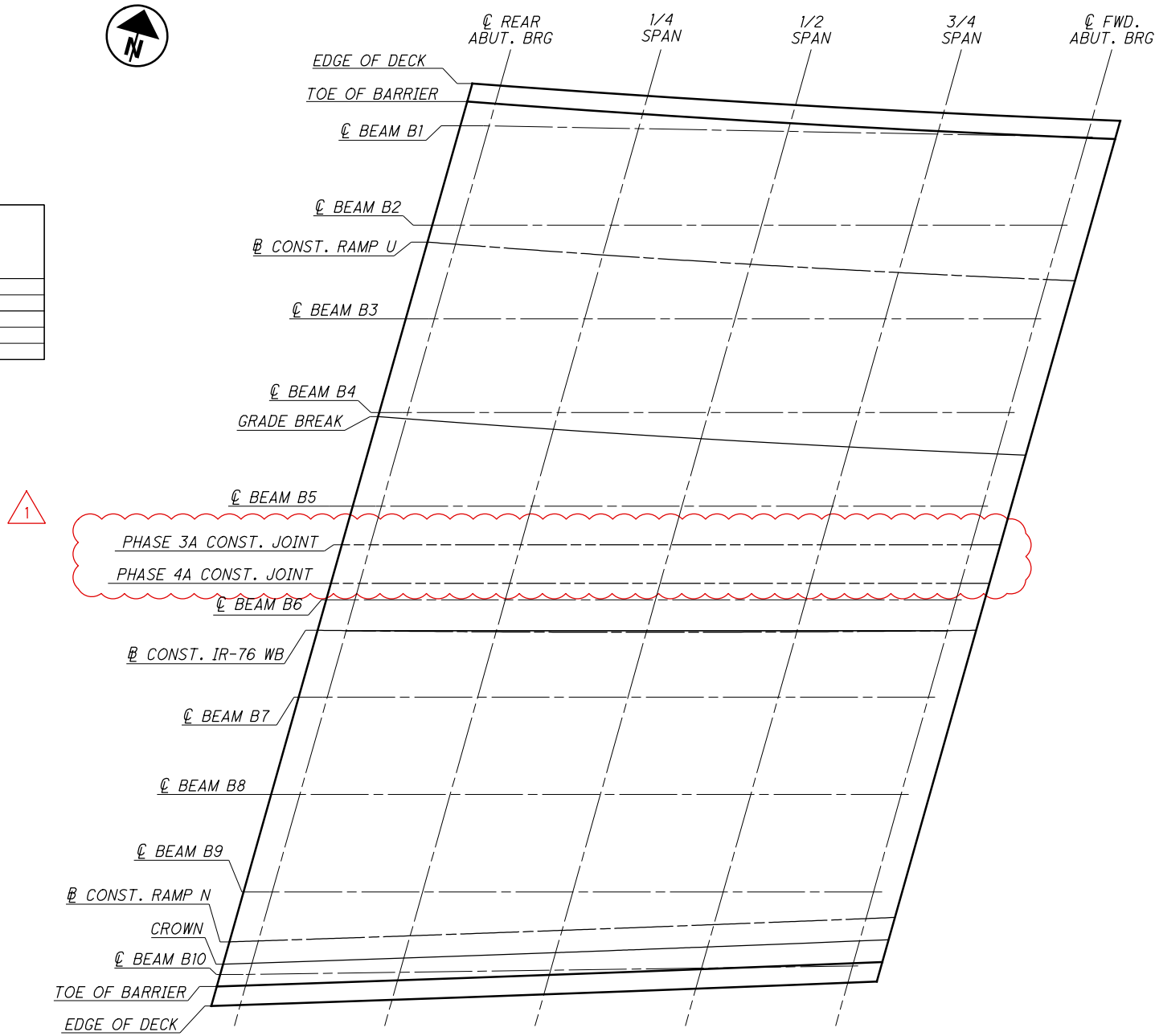
- NOTES:**
- FOR DECK PLAN, SEE SHEET 27 41 .
 - FOR BARRIER DETAILS, SEE SHEETS 33-35 41 .
 - FOR ADDITIONAL NOTES, SEE SHEET 27 41 .
 - BOLT HOLES SHALL BE 1 3/16" φ IN THE CROSSFRAME CONNECTION PLATES AND 1 1/16" φ IN THE DIAPHRAGMS DUE TO GALVANIZING OR METALIZING.

TRANSVERSE SECTION
 SUM-76-1180L
 IR-76 WESTBOUND OVER INMAN STREET
 2022-01-11-BU 10A - RFC PLANS
 SUM-76/77/8
 10.99/11.54/0.00
 PID No. 101402
 28/41
 921
 1022

REVISIONS BY:

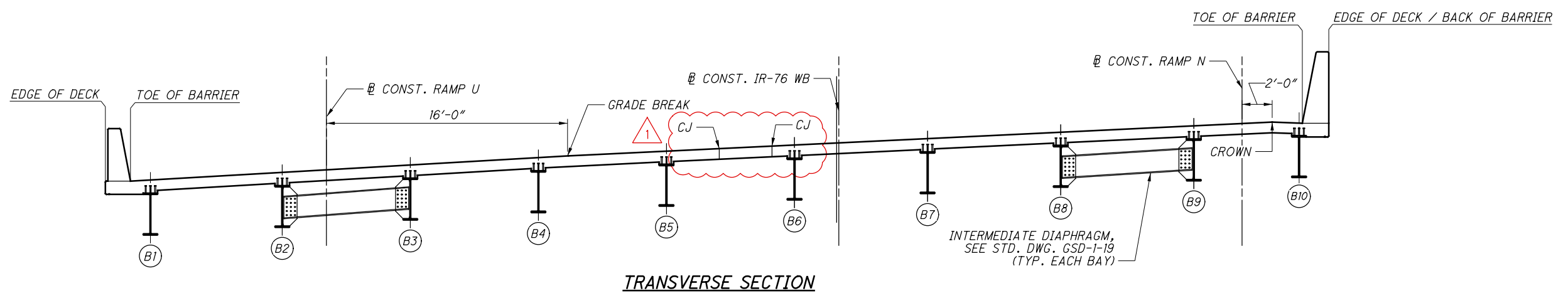
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ISSUE RECORD: BRIDGE NO. SUM-76-1180L		
NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

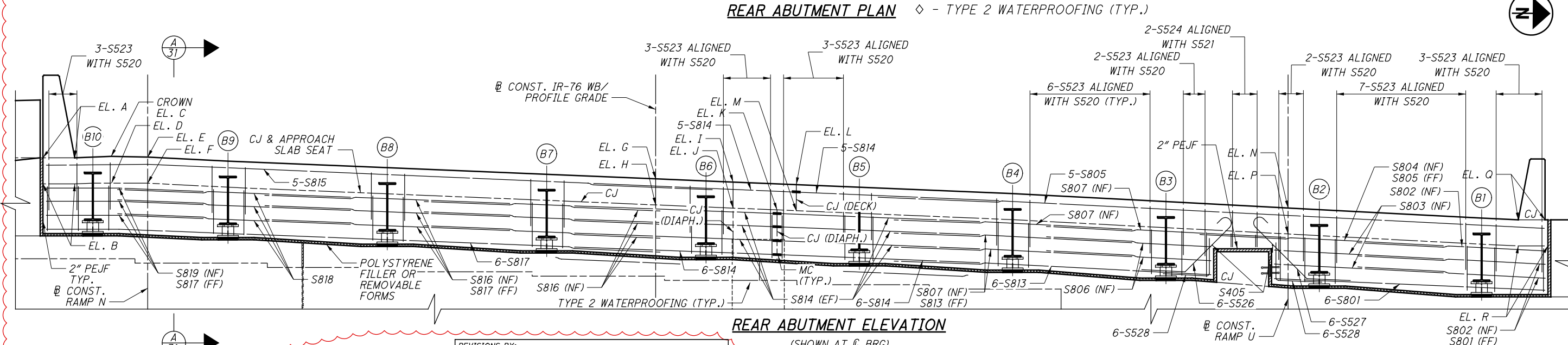
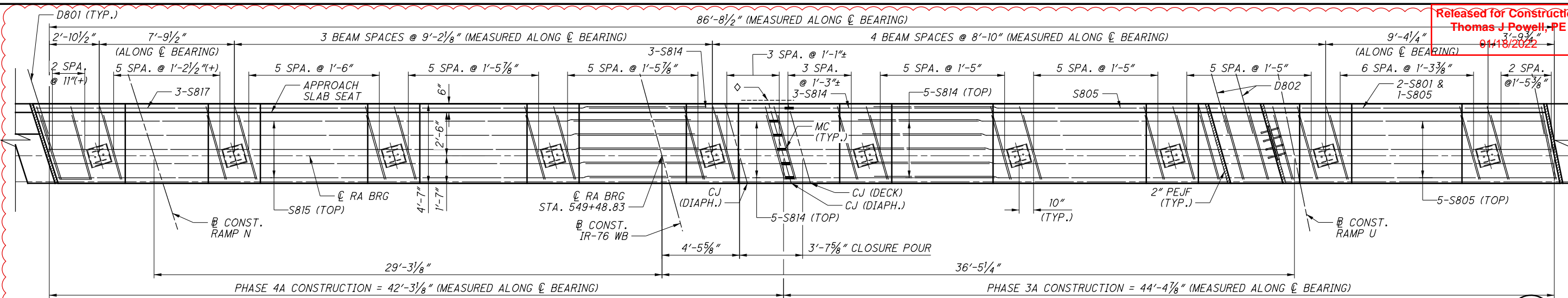


LEGEND:
 (B#) - BEAM DESIGNATION

NOTES:
 1. SEE SHEET 30'41' FOR SCREED, TOP OF HAUNCH, AND FINAL DECK ELEVATIONS.



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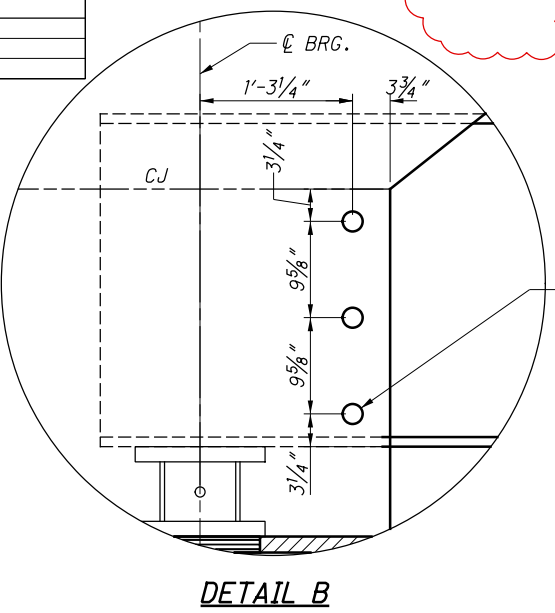
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NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

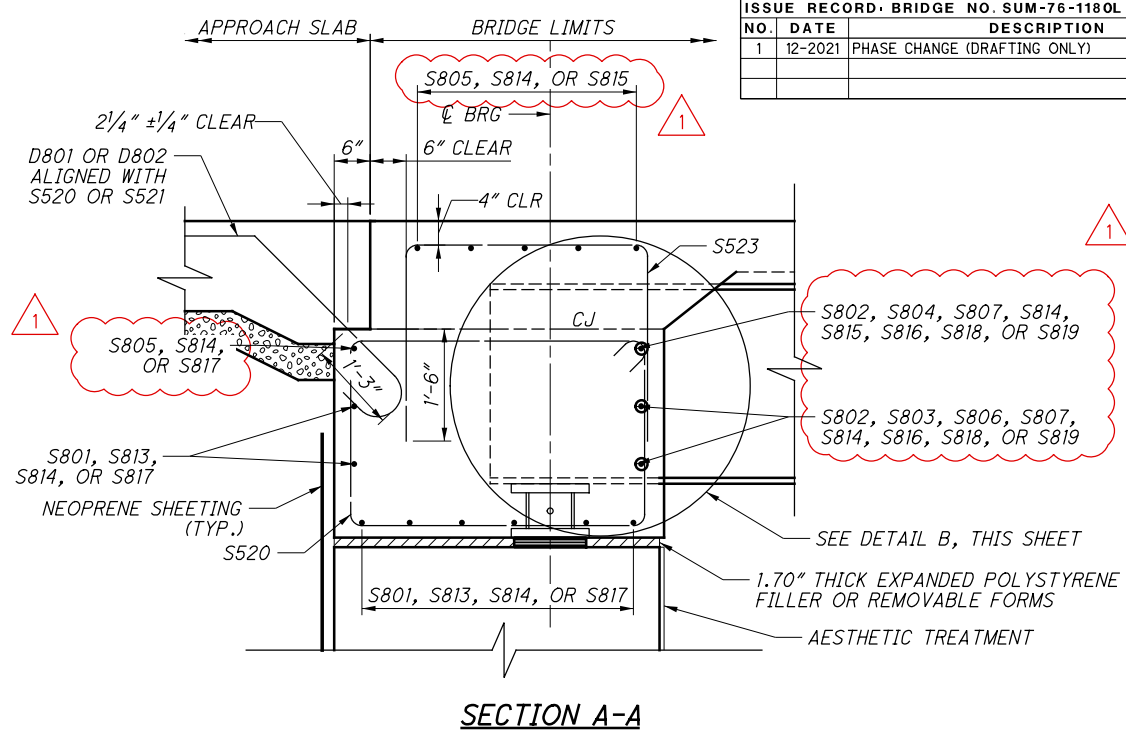
ISSUE RECORD - BRIDGE NO. SUM-76-1180L

- NOTES:**
- LAP LENGTHS SHALL BE, UNLESS OTHERWISE NOTED:
 #8 - 4'-11" (TYPICAL)
 #8 - 6'-10" (TOP LAYER)
 - FOR ADDITIONAL SEMI-INTEGRAL CONSTRUCTION DETAILS AND NEOPRENE SHEETING REQUIREMENTS, SEE ODOT STD. DRAWING SICD-1-96. PAYMENT FOR NEOPRENE SHEETING, MATERIALS AND LABOR, SHALL BE INCLUDED IN ITEM 516, SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL.
 - ABUTMENT DIAPHRAGM CONCRETE, PHASED CONSTRUCTION: PLACE THE DIAPHRAGM CONCRETE ENCASEING THE STRUCTURAL MEMBER ENDS OF AN INDIVIDUAL PHASE WITH THE DECK CONCRETE OR AT LEAST 48 HOURS BEFORE PLACEMENT OF DECK CONCRETE. IF PLACED SEPARATELY, LOCATE A HORIZONTAL CONSTRUCTION JOINT IN THE DIAPHRAGM AS SHOWN ON SICD-1-96 AND PLACE REMAINING DIAPHRAGM CONCRETE WITH THE DECK. PLACE THE CLOSURE POUR CONCRETE IN THE DIAPHRAGM AND DECK CONCURRENTLY.
 - TYPE 2 WATERPROOFING, 3' WIDE, CENTERED ON JOINT, SHALL BE APPLIED PRIOR TO APPLICATION OF NEOPRENE SHEETING.

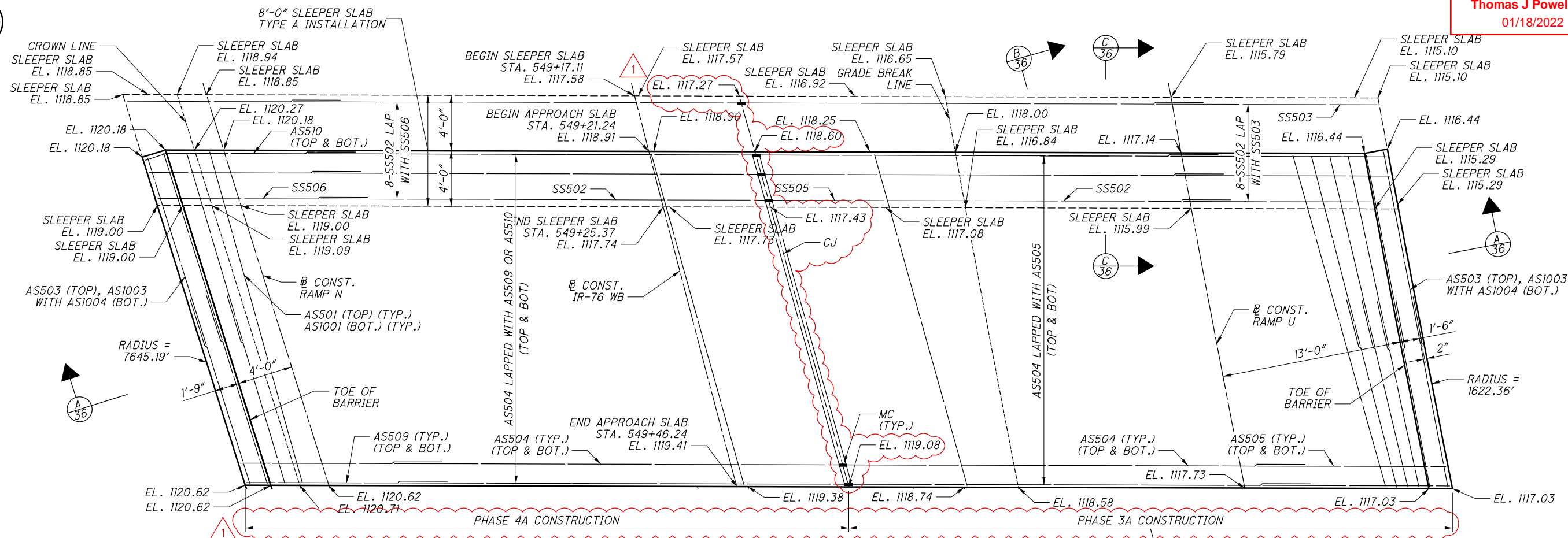


PROPOSED ELEVATIONS

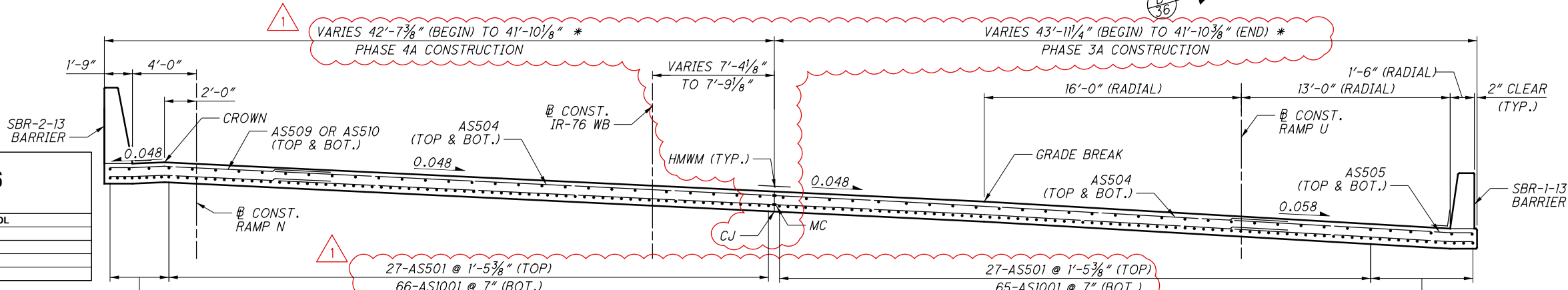
	DECK	A	C	E	G	I	L	N	Q
ELEVATION		1120.67	1120.75	1120.67	1119.46	1119.24	1119.06	1117.79	1117.09
APPR SLAB SEAT	B	D	F	H	J	K	M	P	R
ELEVATION		1119.17	1119.25	1119.17	1117.96	1117.74	1117.62	1116.29	1115.59



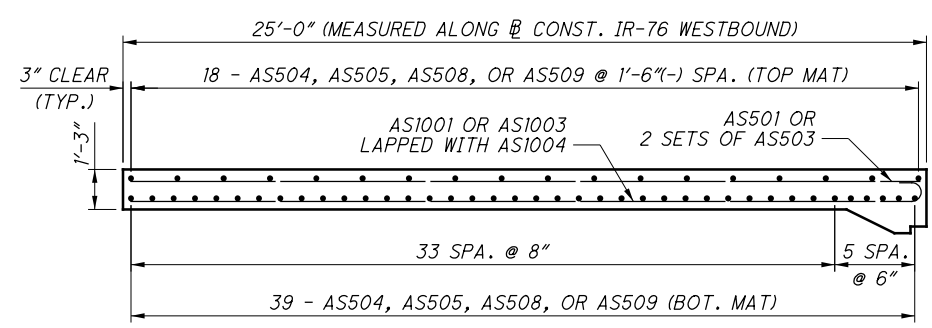
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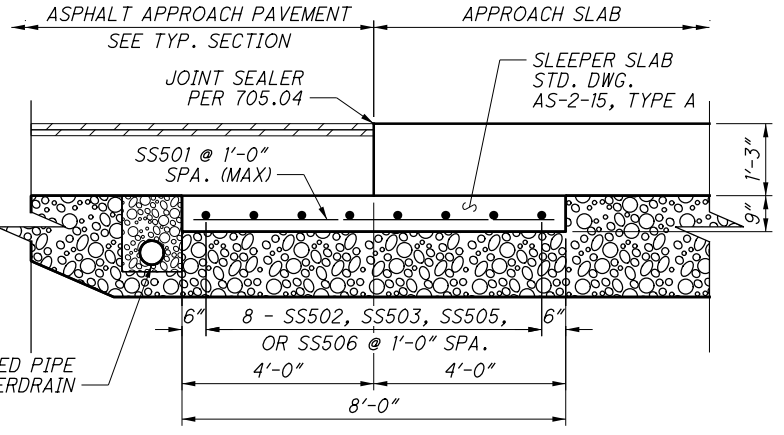
REAR APPROACH SLAB PLAN



SECTION A-A



SECTION B-B



SECTION C-C

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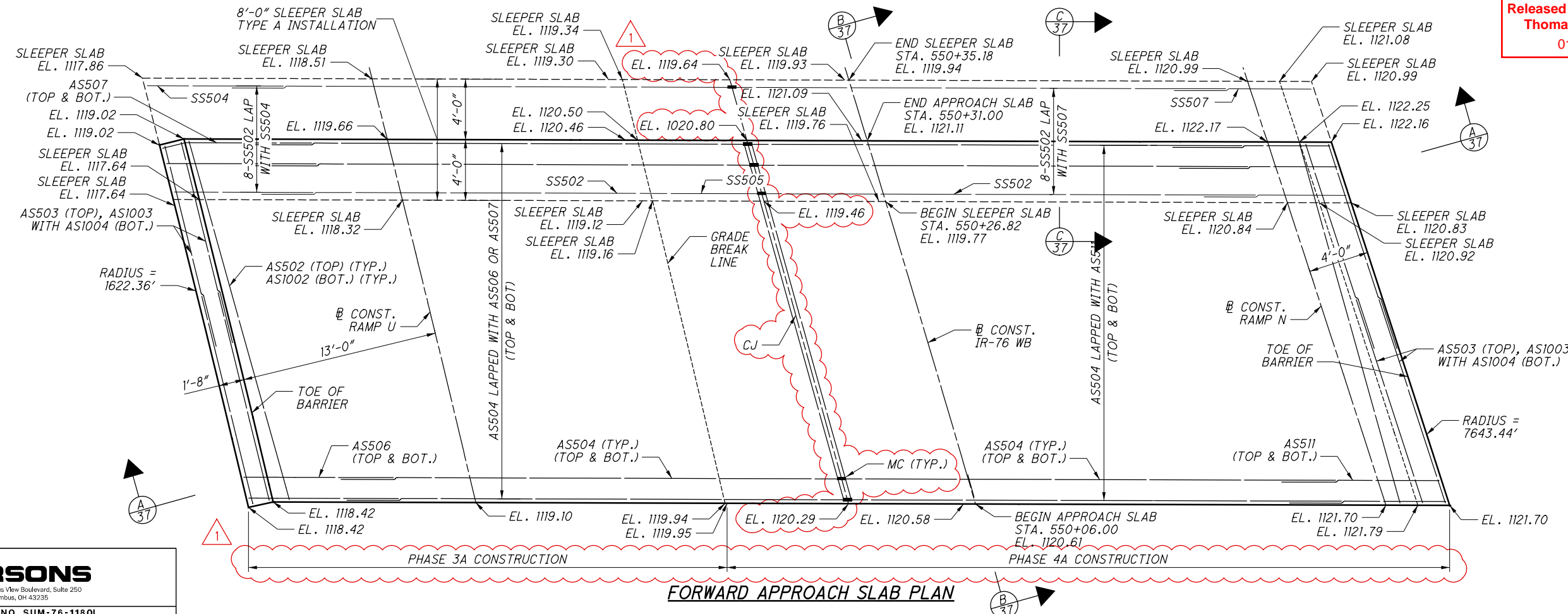
NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

ISSUE RECORD: BRIDGE NO. SUM-76-1180L

- LEGEND:**
 * - MEASURED PERPENDICULAR TO @ REFERENCE LINE
- NOTES:**
- LAP LENGTHS SHALL BE, UNLESS OTHERWISE SPECIFIED:
 #5 - 3'-5"
 #10 - 7'-10"
 - REFER TO STD. DWGS. AS-1-15 AND AS-2-15 FOR ADDITIONAL APPROACH SLAB DETAILS.
 - REINFORCING STEEL AND 2" PEJF TO BE INCLUDED FOR PAYMENT WITH ITEM 526 - REINFORCED CONCRETE APPROACH SLAB WITH QC/QA (T=15%), AS PER PLAN.
 - FOR BARRIER REINFORCING BARS IN APPROACH SLABS, SEE SHEETS 33-35/41.

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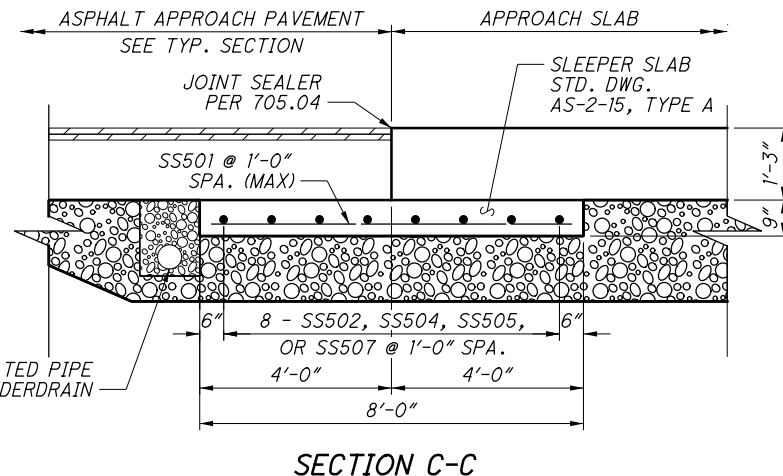
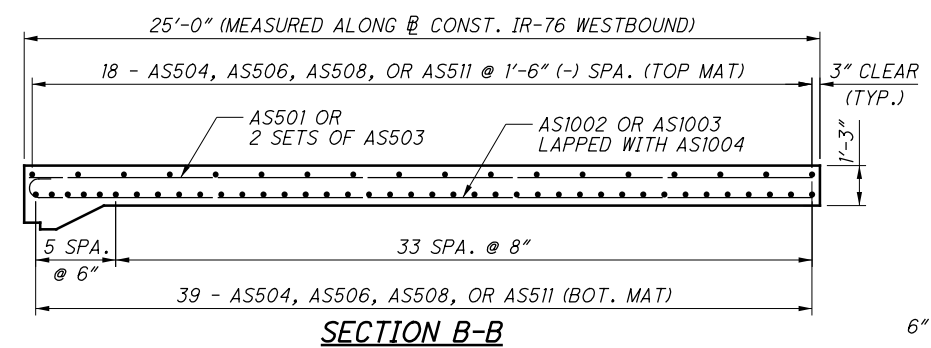
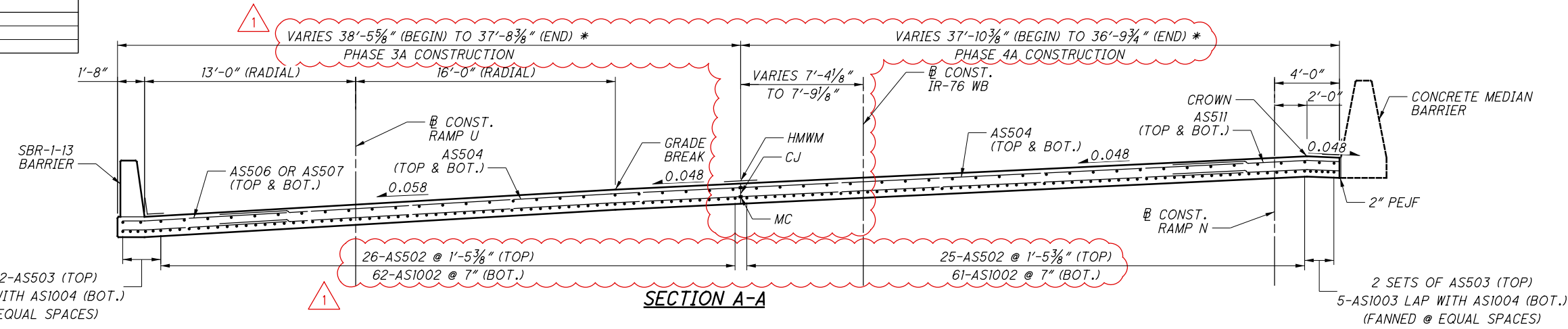


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NO.	DATE	DESCRIPTION
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ISSUE RECORD: BRIDGE NO. SUM-76-1180L



- LEGEND:**
 * - MEASURED PERPENDICULAR TO @ REFERENCE LINE
- NOTES:**
- LAP LENGTHS SHALL BE, UNLESS OTHERWISE SPECIFIED:
 #5 - 3'-5"
 #10 - 7'-10"
 - REFER TO STD. DWGS. AS-1-15 AND AS-2-15 FOR ADDITIONAL APPROACH SLAB DETAILS.
 - REINFORCING STEEL AND 2" PEJF TO BE INCLUDED FOR PAYMENT WITH ITEM 526 - REINFORCED CONCRETE APPROACH SLAB WITH QC/QA (T=15%), AS PER PLAN.
 - FOR BARRIER REINFORCING BARS IN APPROACH SLABS, SEE SHEET [33-35/41].

Table with columns: MARK, NUMBER (PHASE 3A, PHASE 4A, TOTAL), LENGTH, WEIGHT, TYPE, DIMENSIONS (A, B, C, D, E, INC). Section: FORWARD ABUTMENT. Rows include items A501 through A589.

Table with columns: MARK, NUMBER (PHASE 3A, PHASE 4A, TOTAL), LENGTH, WEIGHT, TYPE, DIMENSIONS (A, B, C, D, E, INC). Section: FORWARD ABUTMENT (CONTINUED). Rows include items A601 through A1006. Includes a red box with release info: 'Released for Construction by Thomas J Powell, PE 01/18/2022'.

Table with columns: MARK, NUMBER (PHASE 3A, PHASE 4A, TOTAL), LENGTH, WEIGHT, TYPE, DIMENSIONS (A, B, C, D, R, INC). Section: FORWARD ABUTMENT SEMI-INTEGRAL CAP. Rows include items S405 through S823 and D801 through D803. Includes a red box with release info: 'Released for Construction by Thomas J Powell, PE 01/18/2022'.

REVISIONS BY: PARSONS 100 East Campus View Boulevard, Suite 250 Columbus, OH 43235. ISSUE RECORD: BRIDGE NO. SUM-76-1180L. Table with columns: NO., DATE, DESCRIPTION.

Vertical sidebar with project details: REINFORCING LIST - 2, SUM-76-1180L, IR-76 WESTBOUND OVER INMAN STREET. Includes logos for Mannik Smith Group and Parsons.

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS					
	PHASE 3A	PHASE 4A	TOTAL				A	B	C	D	E	INC
BRIDGE DECK												
S401	61	64	125	40'-0"	3340	STR						
S402	60	48	108	22'-2"	1599	STR						
S403	1		1	21'-4"	14	STR						
S404		16	16	22'-10"	244	STR						
S405	22		22	4'-8"	69	10	0'-7"	0'-7"	3'-6"	0'-6"		
S406	22		22	3'-11"	58	10	0'-7"	0'-7"	2'-9"	0'-6"		
S407	20	22	42	3'-2"	89	10	0'-7"	0'-7"	2'-0"	0'-6"		
S408	14		14	2'-8"	25	10	0'-7"	0'-7"	1'-6"	0'-6"		
S409		15	15	3'-8"	37	10	0'-7"	0'-7"	2'-6"	0'-6"		
S410		20	20	3'-6"	47	10	0'-7"	0'-7"	2'-4"	0'-6"		
S411		22	22	2'-9"	40	10	0'-7"	0'-7"	1'-7"	0'-6"		
S501	69	68	137	40'-0"	5716	STR						
S502	68	52	120	22'-7"	2827	STR						
S503	1		1	25'-9"	27	STR						
S504	1		1	10'-6"	11	STR						
S505		17	17	23'-3"	412	STR						
S506*	254	254	512	30'-0"	15895	STR						
S507*	88		88	14'-10"	1361	STR						
S508*	88		88	13'-8"	1255	STR						
S509*	78		78	12'-8"	1031	STR						
S510*	2 SR OF 30		2 SR OF 30	2'-4" TO 40'-10"	1351	STR						1'-4"
S511	2 SR OF 28		2 SR OF 28	2'-0" TO 38'-3"	1176	STR						1'-4 1/8"
S512*	NOT USED											
S513*	NOT USED											
S514*	4 SR OF 7		4 SR OF 7	2'-5" TO 10'-4"	186	STR						1'-3 3/4"
S515*		76	76	14'-7"	1156	STR						
S516*		88	88	13'-11"	1278	STR						
S517*		90	90	13'-4"	1251	STR						
S518	2 SR OF 31	2 SR OF 31	2 SR OF 31	2'-7" TO 41'-0"	1409	STR						1'-3 3/8"
S519*	2 SR OF 28	2 SR OF 28	2 SR OF 28	2'-2" TO 39'-3"	1180	STR						1'-4 1/2"
SUB-TOTAL					42898							

Released for Construction
 Thomas J Powell, PE
 01/18/2022

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS					
	PHASE 3A	PHASE 4A	TOTAL				A	B	C	D	R	INC
WESTBOUND BARRIER (SBR-1-13)												
S529	116		116	7'-4"	887	23	0'-11"	3'-3"	3'-0"			0'-2 3/4"
S530	2		2	12'-1"	25	STR						
S531	1		1	12'-0"	13	STR						
S532	1		1	11'-9"	12	STR						
S533	2		2	24'-5"	51	STR						
S534	4		4	24'-2"	101	STR						
S535	2		2	9'-5"	20	STR						
S536	2		2	9'-8"	20	STR						
S537	6		6	12'-8"	79	STR						
S538	1		1	11'-7"	12	STR						
S539	3		3	11'-11"	37	STR						
S540	2		2	23'-11"	50	STR						
S542	12		12	21'-2"	265	STR						
SUB-TOTAL					2688							
WESTBOUND BARRIER (SBR-2-13)												
S533		5	5	24'-5"	127	STR						
S537		18	18	12'-8"	238	STR						
S543		5	5	24'-10"	130	STR						
S544		6	6	10'-11"	68	STR						
S545		6	6	10'-4"	65	STR						
S548		6	6	21'-10"	137	STR						
S605		3	3	12'-8"	57	STR						
S609		115	115	10'-1"	1742	23	1'-2"	4'-6"	4'-3"			0'-3"
S610		115	115	3'-8"	633	28	1'-8"	1'-2"				
S611		115	115	2'-9"	475	1	1'-3"	1'-8"				
S612		1	1	24'-6"	37	STR						
S613		1	1	10'-9"	16	STR						
S614		1	1	10'-5"	16	STR						
SUB-TOTAL					3741							
EASTBOUND BARRIER (RECONSTRUCTION)												
S549	16		16	13'-8"	228	STR						
S550	30		30	6'-11"	216	34	0'-7"	2'-6"	0'-8"	3'-0"		0'-2 1/8"
S615	4		4	13'-8"	82	STR						
SUB-TOTAL					526							

1800 INDIAN WOOD CIRCLE
 MAUMEE, OHIO 43537
Mannik Smith GROUP
 DATE: 04/16/20
 REVIEWED: RCH
 DRAWN: NKM
 DESIGNED: DRH
 CHECKED: RJS
 STRUCTURE FILE NUMBER: 7706154
REINFORCING LIST - 3
 SUM-76-1180L
 IR-76 WESTBOUND OVER INMAN STREET
 SUM-76/77/8
 10.99 / 11.54 / 0.00
 PID No. 101402
 40 / 41
 933
 1022

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NO.	DATE	DESCRIPTION
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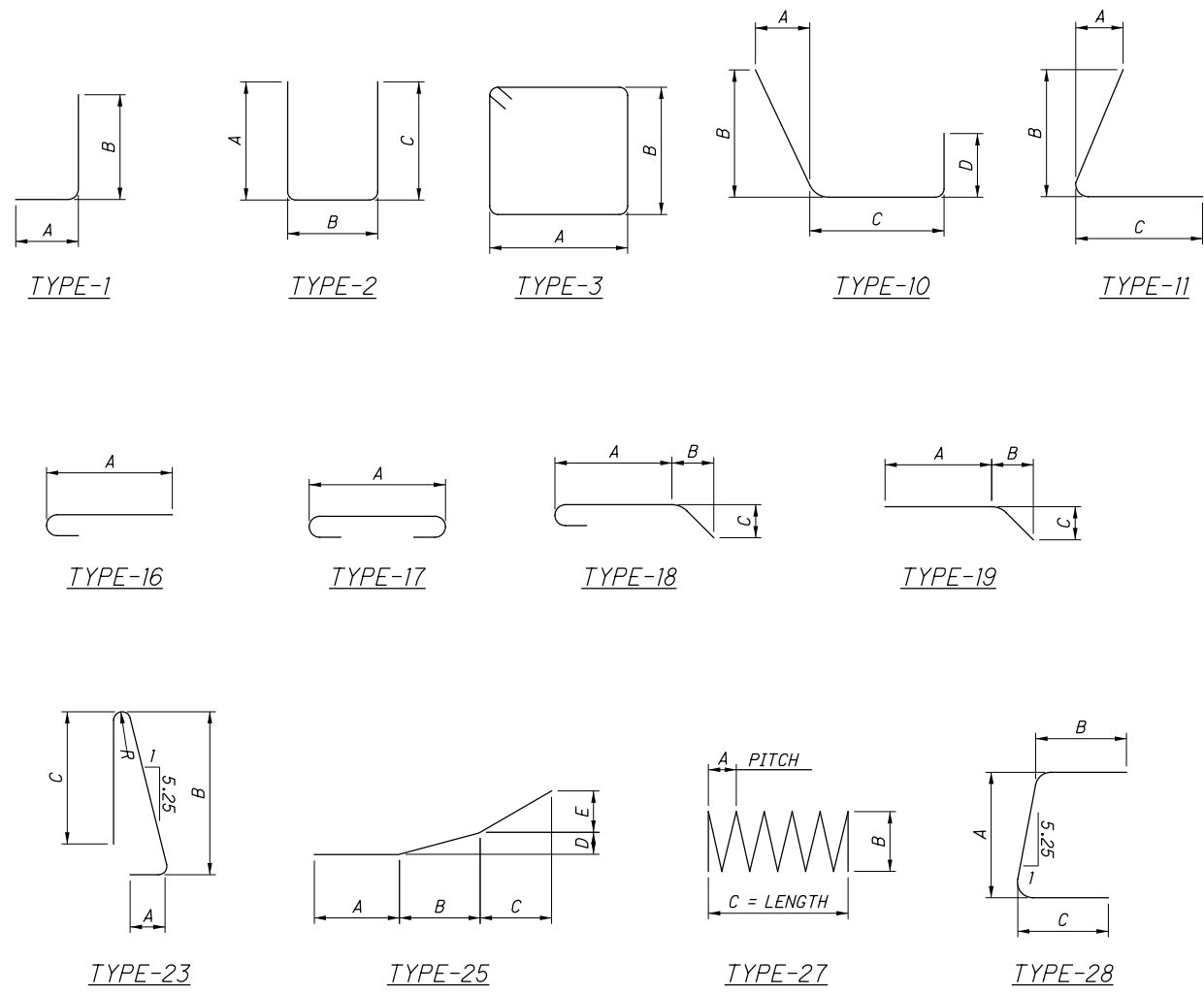
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2022-01-11-BU 10A - RFC PLANS

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MARK	NUMBER		TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS					
	PHASE 3A	PHASE 4A					A	B	C	D	R	INC
REAR APPROACH SLAB #												
AS501	27	27	54	24'-7"	1385	STR						
AS503	10	6	16	14'-1"	235	STR						
* AS504	57	57	114	25'-0"	2973	STR						
* AS505	57		57	23'-10"	1471	STR						
* AS508	NOT USED											
AS509		55	55	22'-6"	1291	STR						
AS510		2	2	22'-5"	47	STR	20'-10"	1'-6"	0'-6"			
AS1001	65	65	131	26'-0"	14656	16	24'-7"					
AS1003	11	8	19	17'-9"	1451	16	16'-4"					
AS1004	11	8	19	16'-4"	1335	STR						
SUB-TOTAL				24790								
REAR SLEEPER SLAB #												
SS501	47	44	91	7'-9"	736	STR						
* SS502	8	8	16	25'-0"	417	STR						
SS503	8		8	24'-3"	202	STR						
* SS505	NOT USED											
SS506		8	8	22'-8"	189	STR						
SUB-TOTAL				1544								

MARK	NUMBER		TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS					
	PHASE 3A	PHASE 4A					A	B	C	D	R	INC
FORWARD APPROACH SLAB #												
AS502	26	25	51	24'-4"	1294	STR						
AS503	4	4	8	14'-1"	118	STR						
* AS504	57	57	114	25'-0"	2973	STR						
AS506	55		55	18'-3"	1047	STR						
AS507	2		2	17'-4"	36	STR	15'-10"	1'-6"	0'-4"			
* AS508	NOT USED											
AS511		57	57	17'-6"	1040	STR						
AS1002	62	61	123	25'-9"	13629	16	24'-4"					
AS1003	5	5	10	17'-9"	764	16	16'-4"					
AS1004	5	5	10	16'-4"	703	STR						
SUB-TOTAL				21604								
FORWARD SLEEPER SLAB #												
SS501	40	38	78	7'-9"	630	STR						
* SS502	8	8	16	25'-0"	417	STR						
SS504	8		8	17'-6"	146	STR						
* SS505	NOT USED											
SS507		8	8	16'-4"	136	STR						
SUB-TOTAL				1329								



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NO.	DATE	DESCRIPTION
1	12-2021	PHASE CHANGE (DRAFTING ONLY)

LEGEND:
 Δ - INDICATES BAR IS PLACED IN DOWEL HOLE
 SR = SERIES
 # = REINFORCING SHOWN IS FOR INFORMATION ONLY AND IS INCLUDED WITH ITEM 526 - REINFORCED CONCRETE APPROACH SLAB WITH QC/QA (T=15%), AS PER PLAN. THE SUB-TOTAL REINFORCING STEEL WEIGHT IS NOT CARRIED TO THE ESTIMATED QUANTITIES SHEET.
 * = REINFORCING BAR UTILIZES A MECHANICAL CONNECTOR BAR LENGTH IS MEASURED TO THE CONSTRUCTION JOINT WHERE BAR LENGTH IS MEASURED TO THE CENTER OF THE MECHANICAL CONNECTOR. EXTRA BAR LENGTH AND/OR BAR END PREPARATION MAY BE NECESSARY DEPENDING UPON THE TYPE OF MECHANICAL CONNECTOR FURNISHED.

- NOTES:**
- ALL REINFORCING STEEL SHALL BE EPOXY COATED.
 - BAR SIZE: THE BAR SIZE IS INDICATED IN THE BAR MARK. THE MARK BEGINS WITH A LETTER THAT IDENTIFIES THE BAR LOCATION. THE NEXT ONE OR TWO DIGITS INDICATE THE BAR SIZE, AND THE REMAINING TWO DIGITS ARE THE SEQUENCE NUMBER.
 EXAMPLE: S501
 S = SUPERSTRUCTURE BAR
 5 = #5 BAR
 01 = SEQUENCE NUMBER 1
 - BAR DIMENSIONS ARE SHOWN OUT-TO-OUT UNLESS OTHERWISE INDICATED.
 - STR. IN THE BAR TYPE COLUMN INDICATES A STRAIGHT BAR.
 - RAD. INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED.
 - INC. INDICATES THE LENGTH INCREMENT FOR SERIES BAR.
 - SPIRAL REINFORCING BARS: THE "LENGTH" SHOWN IN THE STEEL LIST FOR THE SPIRAL BARS IS THE LENGTH ALONG THE AXIS OF THE SPIRAL. PROVIDE ONE AND ONE HALF CLOSED COIL TURNS AT THE ENDS OF EACH SPIRAL UNIT.
 - DRILLED SHAFT REINFORCING BARS SHOWN ON SHEET 23/41