

**MAINTENANCE OF TRAFFIC**

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

1. A MINIMUM OF ONE ELEVEN FOOT LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING, TEMPORARY OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.

2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.

3. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS TWO (2) MILES RURAL OR ONE (1) MILE URBAN.

4. FOR ROUTES NOT ON THE PERMITTED LANE CLOSURE CHART, ONLY DURING OFF-PEAK PERIODS (IN ANY PERIOD OTHER THAN 6-8AM AND 3-6PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.

5. A QUANTITY OF 100 CU. YDS. OF ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.

6. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.

7. THE CONTRACTOR SHALL PLACE THE SIGNS: W8-1 [BUMP] PER OMUTCD 2C.28; W8-11 [UNEVEN LANES] PER OMUCTD 6F.45; AND W6-3 [TWO-WAY TRAFFIC] PER OMUTCD 6F.32. PAYMENT FOR THESE SIGNS SHALL BE INCIDENTAL TO THE LUMP SUM ITEM 614- MAINTAINING TRAFFIC. AN ESTIMATED QUANTITY OF FIFTEEN (15) ITEM 614 WORK ZONE MARKING SIGNS HAS BEEN INCLUDED IN THE PLANS PER CMS 614.04.

8. THE CONTRACTOR SHALL SET A WORK ZONE AT THE REQUEST OF THE ENGINEER TO ALLOW THE LAYOUT OF THE PARTIAL/FULL DEPTH PAVEMENT REPAIR AREAS. THIS WORK IS INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

**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.

**WINTER TIME LIMITATIONS**

ALL RAMPS SHALL BE OPEN AND TRAFFIC SHALL BE MAINTAINED AS DESCRIBED IN THE SEQUENCE OF CONSTRUCTION AND AS DETAILED IN THE PLANS BETWEEN OCTOBER 15 AND APRIL 1. SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$325 PER MINUTE PER LANE.

**TIME LIMITATION ON A DETOUR**

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS FOLLOWS:

ROAD OR RAMP CLOSURE	DURATION OF CLOSURE (CALENDAR DAYS)	DISINCENTIVE (\$ PER CALENDAR DAY)
WARNER RD.	30 DAYS*	\$2,250
RAMP B	45 DAYS	\$16,250
RAMP B-1	45 DAYS	\$3,250
RAMP B-2	45 DAYS	\$16,500
RAMP C-1	45 DAYS	\$7,000
RAMP C-2	270 DAYS	\$5,250
RAMP D	45 DAYS	\$8,250
PHASE 2	270 DAYS**	\$16,500

\* - THE WARNER RD DETOUR SHALL NOT TAKE PLACE IN AUGUST OF ANY YEAR. THE CONTRACTOR SHALL COORDINATE THE WARNER RD CLOSURE WITH THE FIRESTONE COUNTRY CLUB. WARNER RD SHALL NOT BE CLOSED DURING ANY MAJOR GOLF EVENTS. EXPECTED DATES:  
 2021 - 6/18 THRU 6/28  
 2022 - 7/1 THRU 7/20  
 2023+ - TO BE DETERMINED  
 BRIDGESTONE GOLF CONTACT:  
 DON PADGETT III  
 EXECUTIVE DIRECTOR  
 BRIDGESTONE SENIOR PLAYERS  
 ADDRESS: 440. E WARNER ROAD  
 AKRON, OH 44319  
 PHONE: 330 245 2305  
 EMAIL: DPADGETT@PGATOURHQ.COM

\*\* - THIS DETOUR SHALL BE IN EFFECT FOR PHASE 2 WHEN RAMP B-2 IS INACCESSIBLE TO NON-CONTRAFLOW NB 77 TRAFFIC.

**DETOUR NOTIFICATION**

THE CONTRACTOR SHALL ADVISE THE ODOT DISTRICT OFFICE (330-786-3148) EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

**LANE CLOSURES**

DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AS PER THE PERMITTED LANE CLOSURE CHART. THE PERMITTED LANE CLOSURE CHART USED FOR THIS PROJECT SHALL BE THE MOST CURRENT CHART AVAILABLE ON THE DATE THIS PROJECT SELLS.

THE CHART CAN BE FOUND AT: <http://plcm.dot.state.oh.us>

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THE REQUIREMENTS IN THE CHART, THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES IN THE AMOUNT OF \$10,000 PER HOUR OR PORTION THEREOF THAT THE LANE REDUCTION REMAINS BEYOND THE SPECIFIED LIMIT.

**NOTICE OF CLOSURE SIGN**

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

**SEQUENCE OF CONSTRUCTION**

PRE-PHASE 1 (NO SHEETS PROVIDED)

1. UTILIZE ALLOWABLE LANE CLOSURES IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE CHART TO INSTALL THE FOLLOWING STORM CROSSINGS:

PIPE REFERENCE	SIZE	ALIGNMENT	STATION	SIDE
P-11	15"	CL I-77	425+00.00	LT
P-63	15"	CL I-77	427+40.00	LT
P-12	15"	CL I-77	428+50.00	LT
P-14	15"	CL I-77	432+50.00	LT
P-18	15"	CL I-77	444+10.00	LT
P-22	24"	CL I-77	458+10.00	RT
P-28	42"	BL I-77 SB	492+00.00	RT/LT
P-42	15"	BL I-77 SB	494+00.00	RT/LT

2. INSTALL ALL PROPOSED OVERHEAD SIGN STRUCTURES, FOUNDATIONS AND TEMPORARY GUIDE SIGNS. PROVIDE POSITIVE PROTECTION WHEN WORKING WITHIN THE CLEAR ZONE.

3. INSTALL TEMPORARY PAVEMENT ON I-77 NORTHBOUND BETWEEN STATIONS 504+32 AND 508+49 AND ON I-77 SOUTHBOUND BETWEEN STATIONS 505+70 AND 513+15 FOR USE IN PHASE 1.

PHASE 1 (SHEETS 128 TO 156)

1. SHIFT NB AND SB I-77 LANES ONTO THE OUTSIDE SHOULDERS.

2. CONSTRUCT THE NB I-77 CROSSOVER PAVEMENT, AND RECONSTRUCT THE MEDIAN AND INSIDE LANES OF I-77 NB AND SB INCLUDING INSIDE CONSTRUCTION OF STRUCTURES SUM-77-0802L (SB I-77 OVER WARNER RD.), SUM-77-0802R (NB I-77 OVER WARNER RD.), SUM-77-0810L (SB I-77 OVER TUSCARAWAS RIVER), AND SUM-77-810R (NB I-77 OVER TUSCARAWAS RIVER).

3. CLOSE THE OUTSIDE LANE OF RAMP A.

4. BEGIN CONSTRUCTION OF RAMP B-2 WHILE MAINTAINING ACCESS TO EXISTING RAMP B-2.

5. SHIFT RAMP C TRAFFIC ONTO THE OUTSIDE SHOULDER. CONSTRUCT THE INSIDE HALF OF THE RAMP, INCLUDING TEMPORARY PAVEMENT FOR MAINTAINING TRAFFIC IN THE NEXT PHASE.

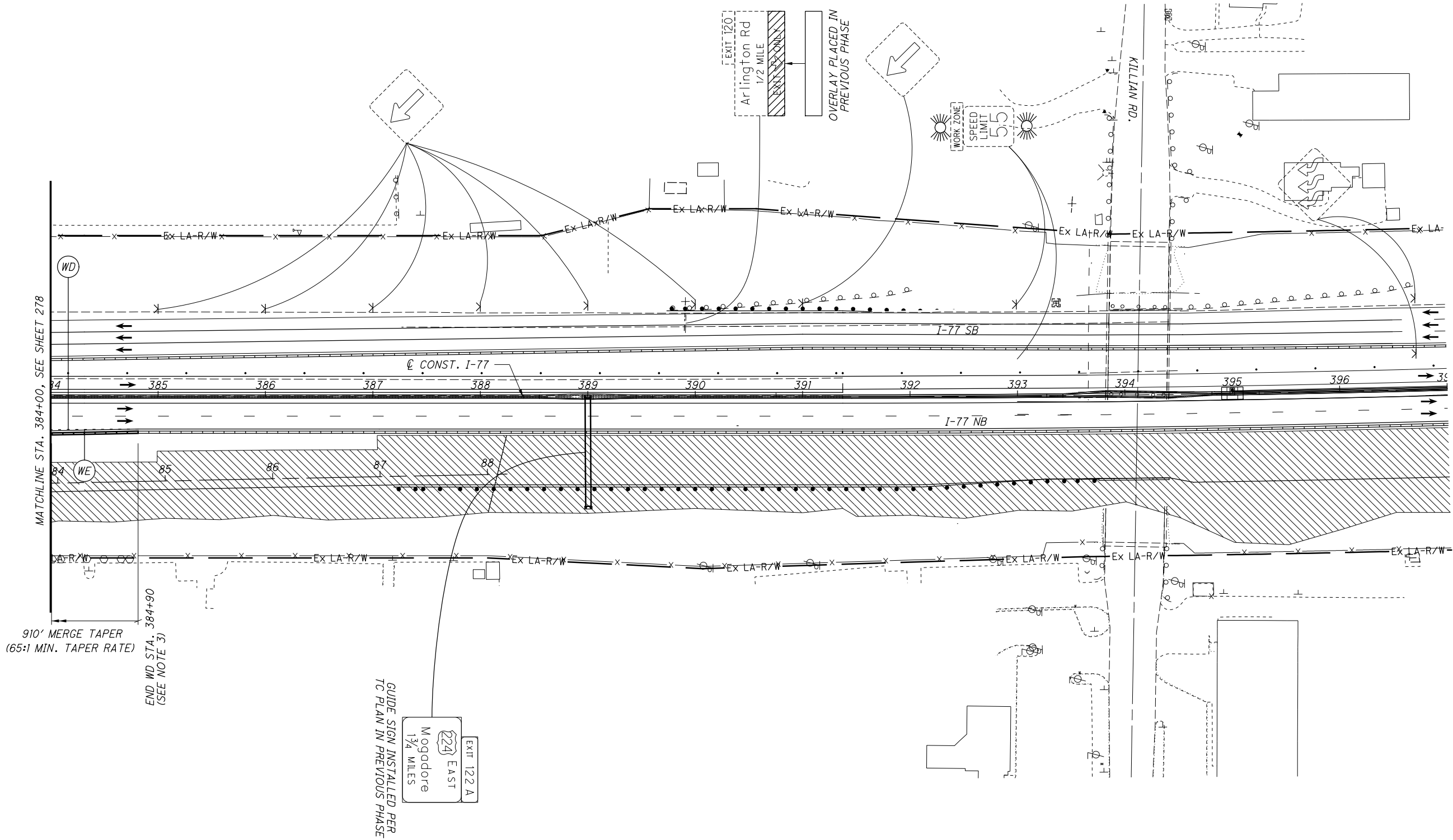
6. CLOSE AND DETOUR RAMP C-2 TRAFFIC. CONSTRUCT RAMP C-2 INCLUDING STRUCTURE SUM-77-0927R (RAMP C-2 OVER I-77 NB). WHEN REMOVING OR SETTING BEAMS THE CONTRACTOR MAY CLOSE I-77 AND DETOUR TRAFFIC UTILIZING RAMP C, US 224, KELLY AVE. AND RAMP D NIGHTLY BETWEEN 12:00 AM AND 4:00 AM. THE DETOUR WILL UTILIZE 3 PCMS. PAYMENT SHALL BE INCLUDED IN ITEM 614 - MAINTAINING TRAFFIC. NIGHTLY SINGLE LANE CLOSURES SHALL BE PERMISSIBLE ON I-77 NB, CONTRACTOR SHALL FOLLOW ODOT PLCM REGARDING CLOSURE TIMES AND DURATIONS.

7. MAINTAIN TRAFFIC ON ALL OTHER RAMPS.

8. CLOSE AND DETOUR WARNER RD. TRAFFIC. CONSTRUCT WARNER RD. UNDER I-77.

REVISIONS		
NO.	DATE	DESCRIPTION
74	04/05/21	REVISED NOTE TO ALLOW DETOUR

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- NOTES:
- SEE SHEET 128 FOR MOT LEGEND AND DRUM SPACING CHART.
  - ALL PAVEMENT MARKINGS THAT ARE EXISTING OR PLACED IN A PREVIOUS PHASE WILL REMAIN UNLESS OTHERWISE INDICATED.
  - THE NORTHBOUND TEMPORARY BARRIER AND EDGE LINE SHALL CONTINUE TO STA. 422+80 AS SHOWN ON SHEET 209.

REVISIONS		
NO.	DATE	DESCRIPTION
Δ	04/05/21	CLARIFIED PORTABLE BARRIER LIMITS

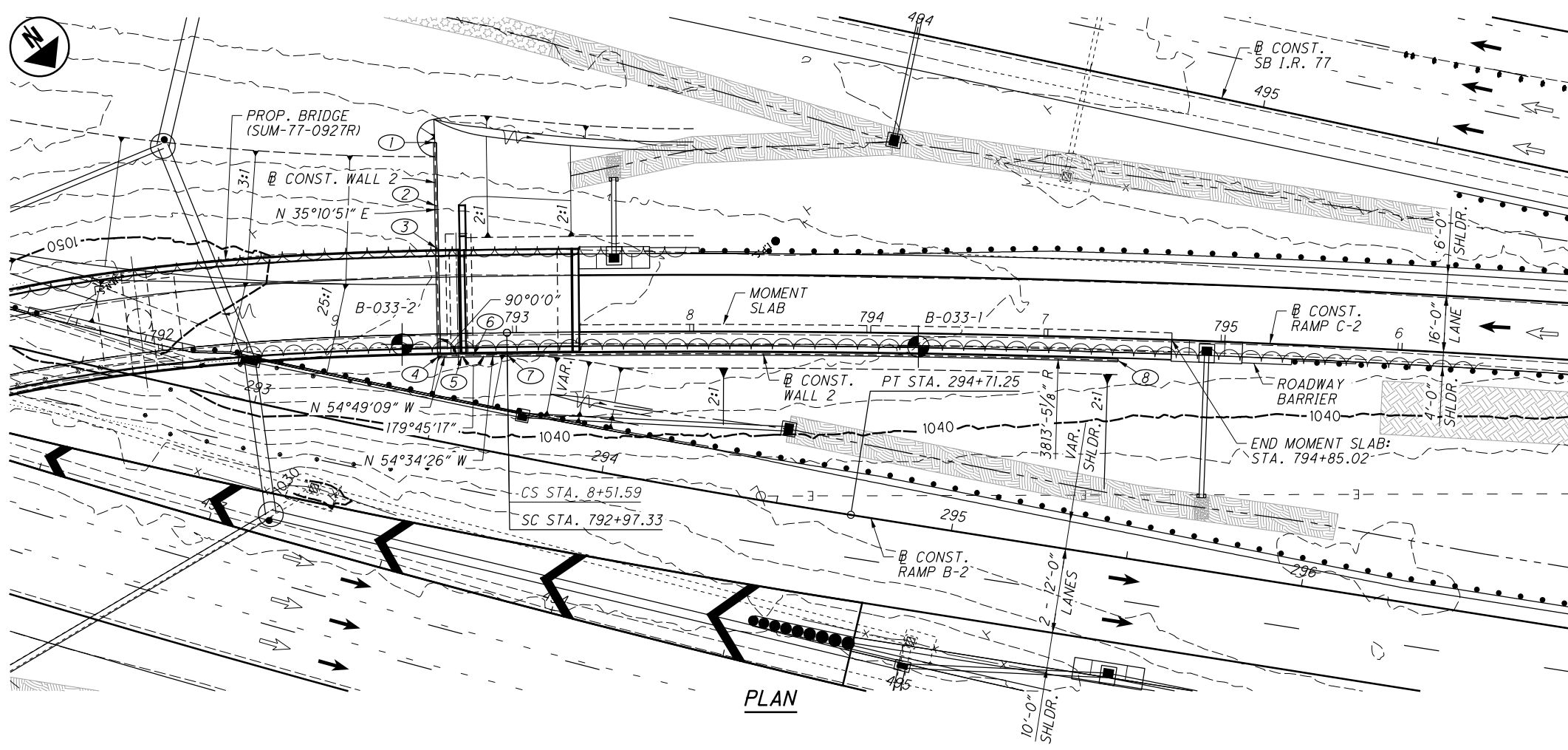
SUM-77 / 277 / 224  
MAINTENANCE OF TRAFFIC PLAN - PHASE 2I  
I-77 - STA. 384+00 TO STA. 397+00  
VARIOUS

279  
1288

CALCULATED  
CHECKED

HORIZONTAL SCALE IN FEET

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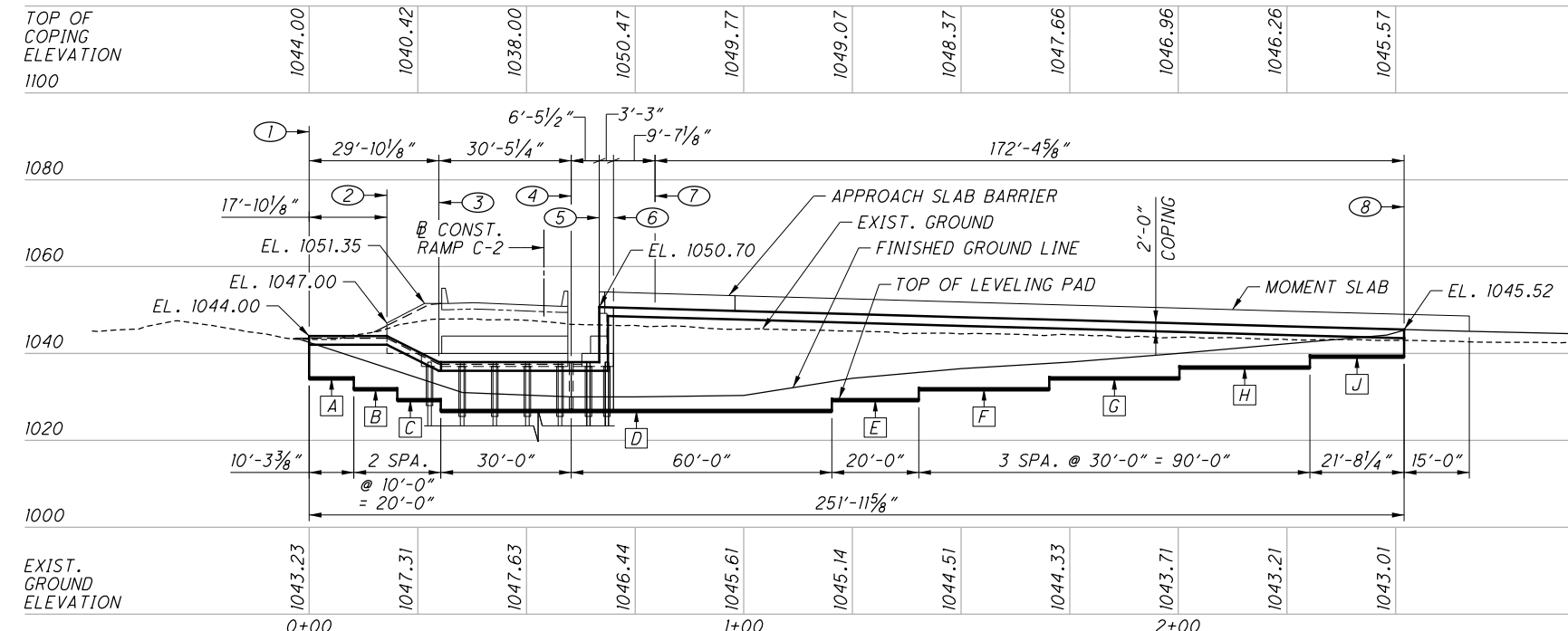


BENCHMARK DATA				
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
CP05	493895.1420	2245390.8980	1073.53	CONC. MONUMENT
CP06	493906.9643	2244750.3816	1090.46	CONC. MONUMENT
CP07	498481.9448	2243140.4162	1064.39	CONC. MONUMENT
CP08	499070.7218	2243262.6440	1076.40	CONC. MONUMENT

FOR ADDITIONAL BENCHMARK INFORMATION, SEE ROADWAY SHEETS.

REVISIONS		
NO.	DATE	DESCRIPTION
1	04/2/21	UPDATED WINGWALL CORNER

RETAINING WALL 2 DATA			
LOCATION	STATION	OFFSET	NOTES
①	STA. 792+78.14	54.00' LT.	BEGIN WALL
	STA. 0+00.00	0.00' 0	
②	STA. 792+78.10	36.16' LT.	COPING ELEV. CHANGE
	STA. 0+17.84	0.00' 0	
③	STA. 792+78.06	24.16' LT.	COPING ELEV. CHANGE
	STA. 0+29.84	0.00' 0	
④	STA. 792+77.98	6.28' RT.	ANGLE POINT
	STA. 0+60.28	0.00' 0	
⑤	STA. 792+84.45	6.29' RT.	COPING ELEV. CHANGE
	STA. 0+66.74	0.00' 0	
⑥	STA. 792+87.71	6.29' RT.	ANGLE POINT
	STA. 0+69.99	0.00' 0	
⑦	STA. 792+97.33	6.29' RT.	BEGIN CURVE
	STA. 0+79.58	0.00' 0	
⑧	STA. 794+70.00	6.29' RT.	END CURVE & END WALL
	STA. 2+51.97	0.00' 0	



LEVELING PAD DATA	
LOCATION	ELEVATION
A	1034.50
B	1032.00
C	1029.50
D	1027.00
E	1029.50
F	1032.00
G	1034.50
H	1037.00
J	1039.50

**LEGEND:**

- Ⓜ @ CONST. WALL 2 POINT
- X TOP OF LEVELING PAD ELEVATION LOCATION
- STATION & OFFSET GIVEN TO @ CONST. WALL 2
- ⊙ PROJECT BORING LOCATION

**NOTES:**

1. ALL WALL STATIONS AND OFFSETS ARE MEASURED FROM THE FRONT FACE OF THE WALL AND GIVEN TO @ CONST. RAMP C-2 UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE GIVEN ALONG @ CONST. WALL 2.
3. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

**GPDCORP**  
 DESIGN AGENCY  
 520 South Main Street, Akron, OH 44311  
 330.572.2100  
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DATE: 1-18-21  
 REVIEWED: DGN  
 DRAWN: MOJ  
 CHECKED: RHC  
 STRUCTURE FILE NUMBER:

**SITE PLAN**  
 RETAINING WALL 2  
 MSE WALL BELOW SUM-77-0927R FORWARD ABUTMENT

**SUM-77 / 277 / 224**  
 VARIOUS  
 PID No. 106002

1 / 10  
 1145  
 1288

**ESTIMATED QUANTITIES**

CALCULATED BY: DJC DATE: 1-14-2021  
 CHECKED BY: DGN DATE: 1-15-2021

ITEM	EXT.	TOTAL	UNIT	DESCRIPTION	AS PER PLAN REF. SHEET
		05/IMS/BR			
203	35110	167	CY	GRANULAR MATERIAL, TYPE B	
509	10000	13,478	LB	EPOXY COATED REINFORCING STEEL	
509	30030	669	FT	NO. 5 GFRP DEFORMED BARS	
509	30040	1,925	FT	NO. 6 GFRP DEFORMED BARS	
511	53012	90	CY	CLASS QC2 CONCRETE, MISC.: PARAPET INCLUDING MOMENT SLAB	
512	10100	412	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	13900	322	SF	2" PREFORMED EXPANSION JOINT FILLER	
601	21000	14	SY	CONCRETE SLOPE PROTECTION	
840	20000	3,640	SF	MECHANICALLY STABILIZED EARTH WALL	
840	21000	2,321	CY	WALL EXCAVATION	
840	22000	442	SY	FOUNDATION PREPARATION	
840	23000	1,896	CY	SELECT GRANULAR BACKFILL	
840	23050	37	CY	NATURAL SOIL	
840	25010	500	FT	6" DRAINAGE PIPE, PERFORATED	
840	25020	20	FT	6" DRAINAGE PIPE, NON-PERFORATED	
840	26000	263	FT	CONCRETE COPING	
840	27000	5	DAY	ON-SITE ASSISTANCE	
840	28000		LS	SGB INSPECTION AND COMPACTION TESTING	

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DESIGN AGENCY  
 DATE: 1-18-21  
 REVIEWED: DGN  
 STRUCTURE FILE NUMBER

DRAIN: DJC  
 CHECKED: RHC  
 REVISIONS

**ESTIMATED QUANTITIES**  
 RETAINING WALL 2  
 MSE WALL BELOW SUM-77-092TR FORWARD ABUTMENT

**SUM -77 / 277 / 224**  
**VARIOUS**  
 PID No. 106002

3 / 10  
 1147  
 1288

REVISIONS		
NO.	DATE	DESCRIPTION
2	04/2/21	ITEM ADDED/QUANTITY UPDATED

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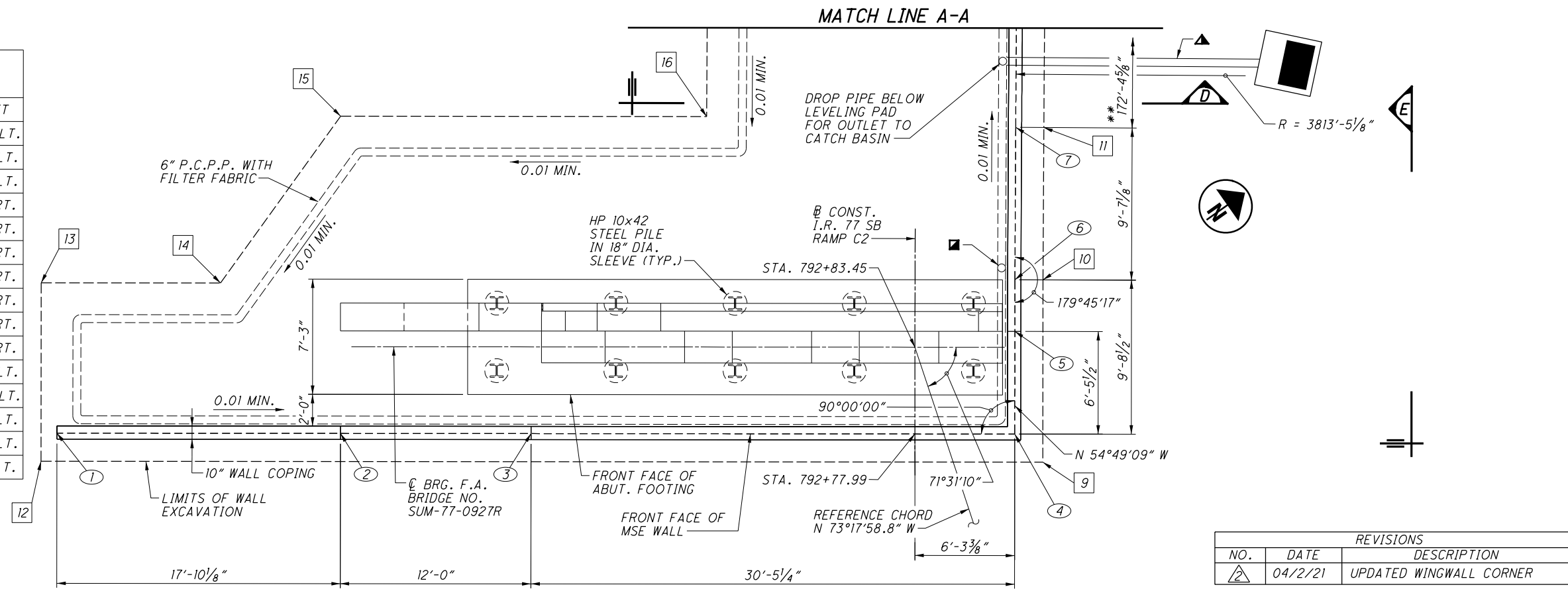
POINT	Ø CONST. WALL 2		Ø CONST. RAMP C-2	
	STATION	OFFSET	STATION	OFFSET
1	0+00.00	00.00'	792+78.14	54.00' LT.
2	0+17.84	00.00'	792+78.10	36.16' LT.
3	0+29.84	00.00'	792+78.06	24.16' LT.
4	0+60.28	00.00'	792+77.98	6.28' RT.
5	0+66.74	00.00'	792+84.45	6.29' RT.
6	0+69.99	00.00'	792+87.71	6.29' RT.
7	0+79.58	00.00'	792+97.33	6.29' RT.
9			792+76.19	8.05' RT.
10	0+69.99	1.77' RT.	792+87.71	8.06' RT.
11	0+79.58	1.77' RT.	792+97.33	8.06' RT.
12			792+76.43	55.01' LT.
13			792+87.36	55.00' LT.
14	0+10.28	9.46' LT.	792+87.38	43.71' LT.
15	0+17.84	19.96' LT.	792+97.76	36.19' LT.
16	0+40.87	19.96' LT.	792+97.88	13.17' LT.

**LEGEND**

- PIPE DROP FROM ABUTMENT BACKWALL DRAINAGE TO BE CONNECTED TO THE WALL DRAINAGE COLLECTION SYSTEM SEE BRIDGE NO. SUM-77-0927R FORWARD ABUTMENT PLANS
- ▲ ITEM 840 - 6" DRAINAGE PIPE, NON-PERFORATED, 19'-0" LONG, OUTLET TO CATCH BASIN D-40 AT INVERT EL. 1025.50
- \*\* MEASURED ALONG Ø CONST. WALL 2 (FRONT FACE OF THE WALL)

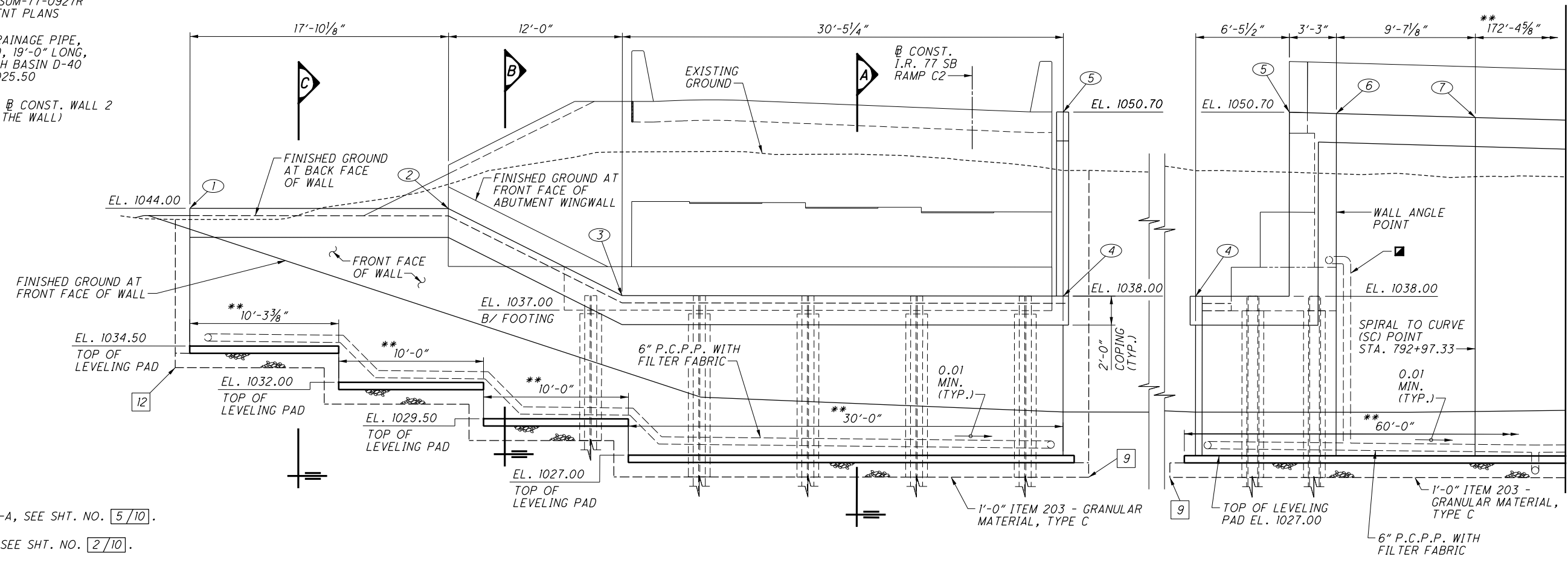
**NOTES:**

1. FOR MATCH LINE A-A, SEE SHT. NO. 5/10.
2. FOR WALL NOTES, SEE SHT. NO. 2/10.
3. FOR SECTIONS A & D, SEE SHT. NO. 7/10.
4. FOR SECTIONS B & C, SEE SHT. NO. 8/10.



**PLAN**

REVISIONS		
NO.	DATE	DESCRIPTION
1	04/2/21	UPDATED WINGWALL CORNER



**ELEVATION ALONG Ø CONST. WALL 2**

**ELEVATION ALONG Ø CONST. WALL 2**

VIEW

E

MATCH LINE A-A

WALL PLAN & ELEVATION (1 OF 3)

RETAINING WALL 2  
MSE WALL BELOW SUM-77-0927R FORWARD ABUTMENT

SUM-77 / 277 / 224  
VARIOUS  
PID No. 106002

4 / 10

1148  
1288

DESIGN AGENCY  
**GPD GROUP**  
Glaus, P.K., Schorer, Burns & Dehaven, Inc.  
520 South Main Street, Akron, OH 44311  
330.572.2100

DESIGNED  
DUC  
CHECKED  
RHC

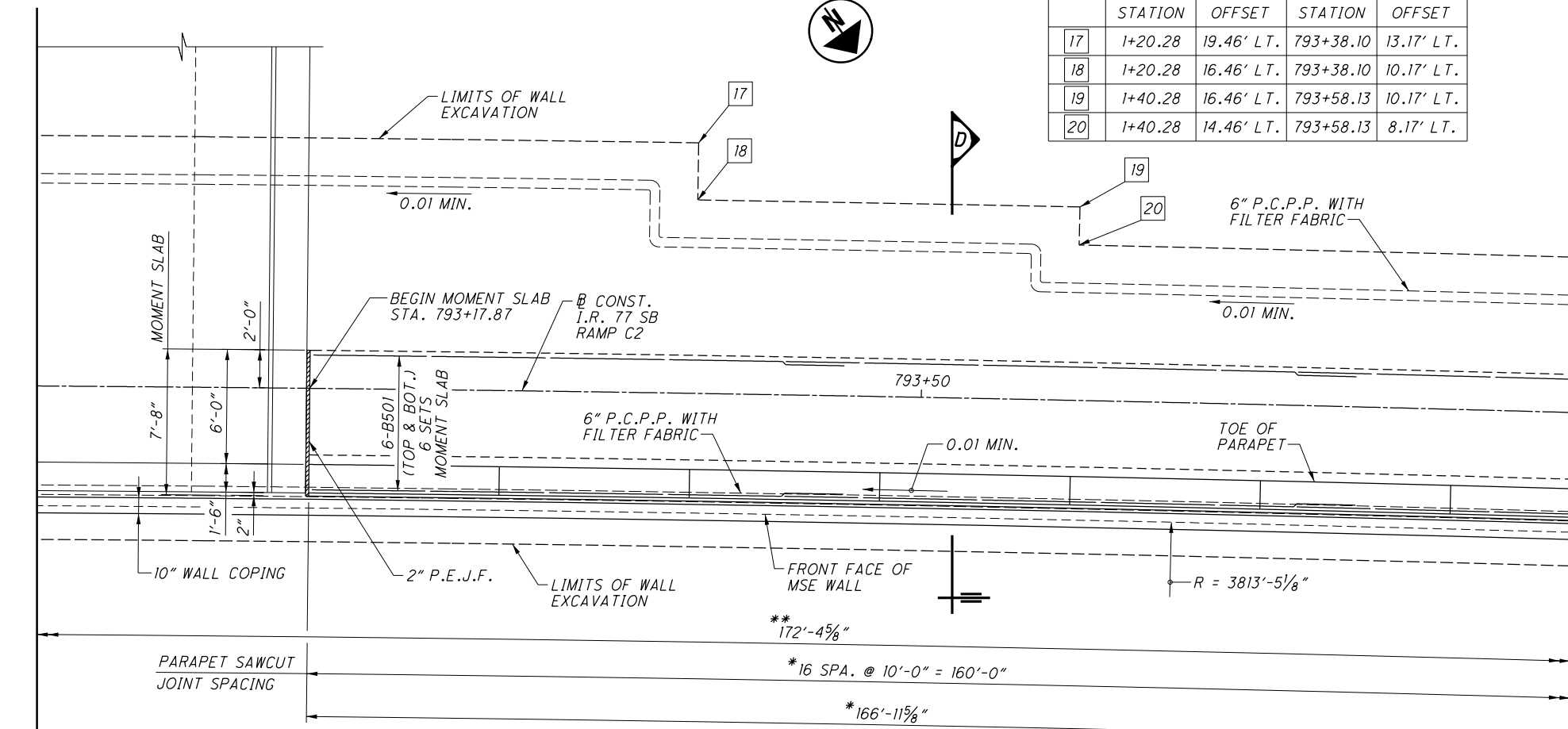
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REVISED

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STRUCTURE FILE NUMBER

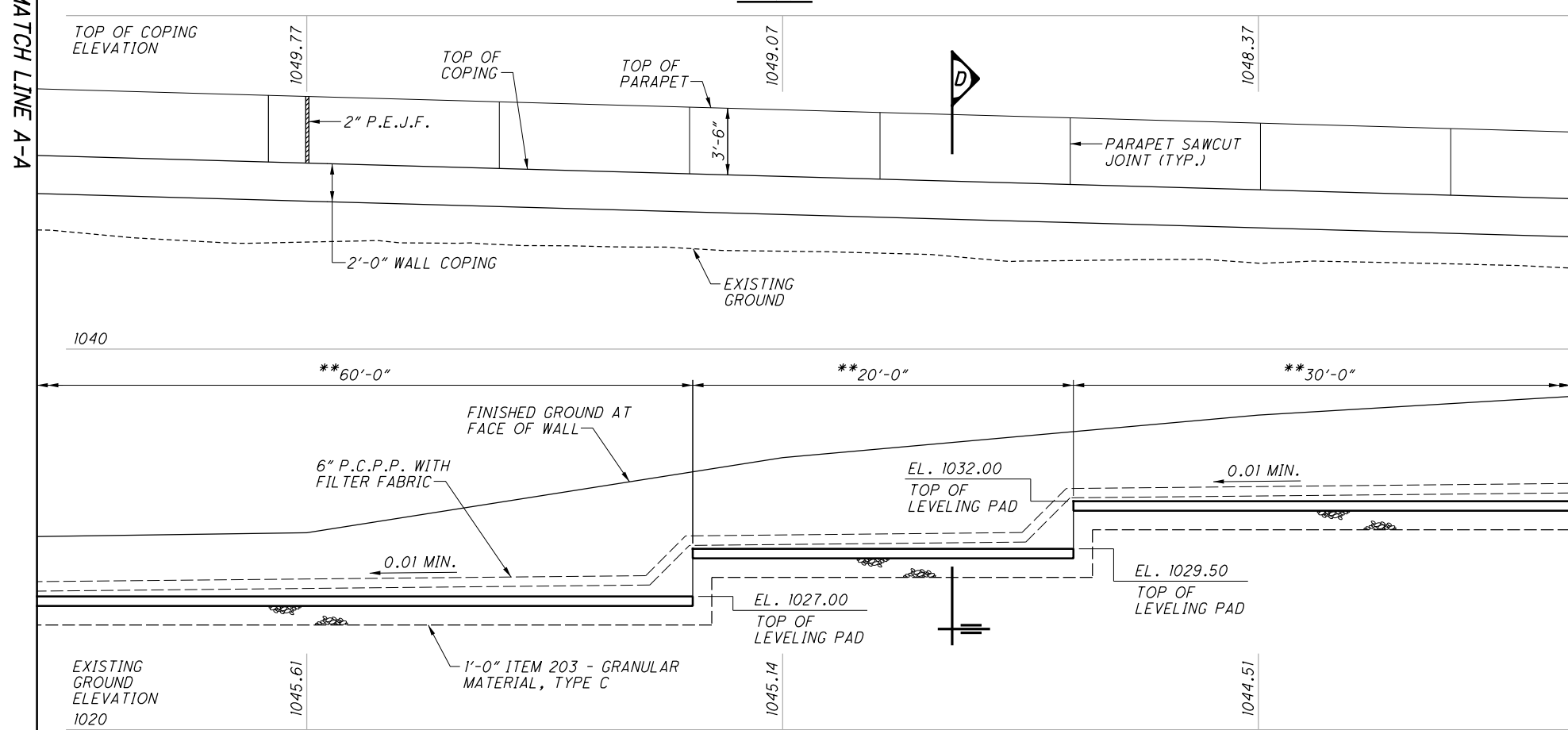
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1-18-21

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POINT	B CONST. WALL 2		B CONST. RAMP C-2	
	STATION	OFFSET	STATION	OFFSET
17	1+20.28	19.46' LT.	793+38.10	13.17' LT.
18	1+20.28	16.46' LT.	793+38.10	10.17' LT.
19	1+40.28	16.46' LT.	793+58.13	10.17' LT.
20	1+40.28	14.46' LT.	793+58.13	8.17' LT.



**PLAN**



**ELEVATION ALONG B CONST. WALL 2**

REVISIONS		
NO.	DATE	DESCRIPTION
1	04/2/21	UPDATED LEVELING PAD ELEV.

**LEGEND**

- \* MEASURED ALONG THE TOE OF PARAPET
- \*\* MEASURED ALONG B WALL 2 (FRONT FACE OF WALL)

**NOTES:**

1. FOR MATCH LINE A-A, SEE SHT. NO. [4/10].
2. FOR MATCH LINE B-B, SEE SHT. NO. [6/10].
3. FOR WALL NOTES, SEE SHT. NO. [2/10].
4. FOR SECTION D, SEE SHT. NO. [7/10].
5. MINIMUM LAP SPLICE LENGTH FOR #5 LONGITUDINAL BARS IN MOMENT SLAB = 3'-1"
6. FOR ADDITIONAL MOMENT SLAB AND PARAPET DETAILS AND REINFORCING, SEE SHT. NO. [9/10].



DESIGNED	DRAWN	REVIEWED	DATE
DJC	DJC	DGN	1-18-21
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RHC			

**WALL PLAN & ELEVATION (2 OF 3)**  
RETAINING WALL 2  
MSE WALL BELOW SUM-77-092TR FORWARD ABUTMENT

**SUM-77 / 277 / 224**  
**VARIOUS**  
PID No. 106002