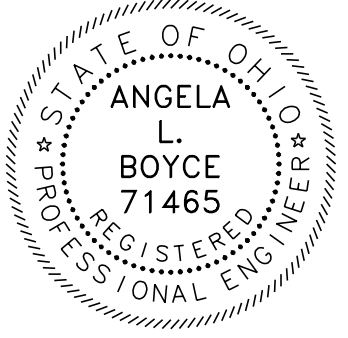



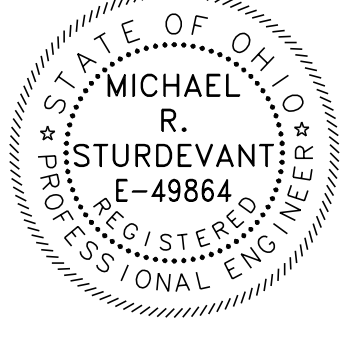
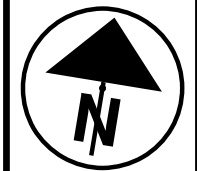


FOR THE ENTIRE PLAN EXCEPT AS OTHERWISE NOTED  	FOR MOT, TRAFFIC CONTROL AND LIGHTING  	FOR GEOTECHNICAL  
FOR RETAINING WALL FOR NOISE WALL & FOR STRUCTURE OVER 20' SPAN FOR LAW-7-0251, LAW-7-0370, LAW-7-0376, LAW-7-0387, LAW-7-0563  	FOR STRUCTURE OVER 20' SPAN FOR LAW-7-0510, LAW-7-0711, LAW-7-0713 L&R & LAW-775-0105  	

STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS	
BP-2.1	1/21/22	F-1.1	7/19/13	AS-1-15	1/20/23	MT-95.30	7/19/19	TC-52.20	1/15/21	800-2023	7/19/24	WATERWAY PERMIT 11/27/24
BP-2.2	1/15/21	F-2.1	7/20/18	AS-2-15	7/21/23	MT-95.45	7/21/23	TC-61.10	4/21/23	813	7/21/23	
BP-2.3	7/18/14	F-3.1	7/19/13	EXJ-6-17	1/19/24	MT-95.61	4/19/19	TC-61.30	7/19/24	815	4/16/21	
BP-3.1	1/19/24	F-3.3	7/19/13	GSD-1-19	7/19/24	MT-97.10	4/19/19	TC-64.10	7/21/23	821	4/20/12	
BP-4.1	7/19/13	F-3.4	7/19/13	HW-2.1	7/15/22	MT-97.12	1/20/17	TC-65.10	1/17/14	825	4/21/23	
BP-5.1	7/15/22			HW-2.2	7/20/18	MT-99.20	4/19/19	TC-65.11	1/19/24	832	7/21/23	
BP-9.1	1/18/19	LA-1.2	7/19/24	NSB-1-09	7/19/24	MT-99.60	7/19/24	TC-71.10	4/21/23	836	1/19/24	
				PSID-1-13	7/19/24	MT-101.60	4/21/23	TC-72.20	7/21/23	840	7/21/23	
CB-2-2A,2B,2C	7/19/24	MGS-1.1	7/16/21	SBR-1-20	7/19/24	MT-101.70	7/19/24	TC-73.20	7/19/24	863	7/21/23	
CB-2-3,2-4	7/19/24	MGS-2.1	1/19/18	SICD-2-14	1/15/21	MT-101.75	7/21/23	TC-81.11	1/19/24	867	4/15/22	
CB-3A	7/19/24	MGS-2.3	1/20/23			MT-101.90	7/17/20	TC-83.10	1/17/20	869	10/17/14	
CB-4	7/19/24	MGS-3.1	1/19/18	HL-10.11	7/21/23	MT-105.10	1/17/20	TC-83.20	7/19/24	878	1/21/22	
CB-4A, 5A, 8A	7/19/24	MGS-3.2	1/18/13	HL-10.12	7/21/23	MT-120.00	7/19/24	TC-84.20	1/19/24	902	7/19/19	
CB-5	7/19/24	MGS-4.2	7/19/13	HL-10.13	1/20/23			TC-85.10	1/19/24	906	10/15/10	
CB-8	7/19/24	MGS-4.3	1/18/13	HL-10.31	7/15/22	TC-15.116	1/19/24	TC-85.21	1/19/24	913	4/16/21	
		MGS-5.3	7/15/16	HL-20.11	7/21/23	TC-17.11	1/19/24	TC-85.22	4/21/23	921	4/20/12	
DM-1.1	7/17/20	MGS-6.1	1/19/18	HL-30.11	7/21/23	TC-21.11	7/16/21					
DM-1.2	7/16/21	MGS-6.2	7/19/24	HL-30.21	4/17/20	TC-21.21	1/20/23					
DM-4.1	7/17/20			HL-30.22	1/15/21	TC-22.10	4/21/23					
DM-4.2	7/20/12	RM-1.1	1/20/23	HL-30.31	7/19/24	TC-22.20	1/17/14					
DM-4.3	1/15/16	RM-3.1	7/20/18	HL-30.41	1/21/22	TC-41.10	7/19/13					
DM-4.4	1/15/16	RM-4.2	4/17/20	HL-40.10	7/19/24	TC-41.20	10/18/13					
		RM-4.3	1/21/22	HL-40.20	7/19/24	TC-41.30	4/21/23					
I-3D	7/19/24	RM-4.4	7/21/23	HL-50.21	7/15/22	TC-41.40	10/18/13					
		RM-4.5	7/19/24	HL-60.11	7/21/17	TC-41.41	7/19/19					
MH-3	7/19/24	RM-4.6	7/19/24	HL-60.31	7/19/24	TC-41.50	10/18/13					
		RM-7.1	7/18/14			TC-42.10	10/18/13					
WO-1.1	7/21/23	RM-7.2	7/15/07			TC-42.20	10/18/13					
WO-1.2	1/15/16					TC-51.11	1/15/16					
						TC-52.10	10/18/13					



500  
1000  
250  
HORIZONTAL  
SCALE IN FEET

SCHEMATIC PLAN

LAW-7-2.17

CURVE DATA  
S.R. 7  
CURVE NO. 1

P.I. STA. 138+60.99  $\theta s = 1^\circ 16' 21''$   
 $\Delta = 53^\circ 33' 53''$  (RT)  $Ls = 175.00'$   
 $Dc = 1^\circ 27' 15''$   $Ts = 2,076.38'$   
 $R = 3,940.00'$   $LT = 116.67'$   
 $T = 1,880.13'$   $ST = 58.34'$   
 $L = 3,508.44'$   $e_{max} = 4.00\%$   
 $E = 425.60'$   $CS STA. 154+68.05$   
 $TS STA. 117+84.61$   $ST STA. 156+43.05$   
 $SC STA. 119+59.61$

CURVE DATA  
S.R. 7  
CURVE NO. 2

P.I. STA. 182+06.44  $\theta s = 2^\circ 59' 44''$   
 $\Delta = 24^\circ 16' 14''$  (LT)  $Ls = 275.00'$   
 $Dc = 2^\circ 10' 43''$   $Ts = 703.26'$   
 $R = 2,630.00'$   $LT = 183.36'$   
 $T = 423.13'$   $ST = 91.69'$   
 $L = 839.08'$   $e_{max} = 5.51\%$   
 $E = 33.82'$   $CS STA. 186+17.26$   
 $TS STA. 175+03.18$   $ST STA. 188+92.26$   
 $SC STA. 177+78.18$

CURVE DATA  
S.R. 7  
CURVE NO. 3

P.I. STA. 205+33.31  $\theta s = 1^\circ 58' 07''$   
 $\Delta = 27^\circ 30' 45''$  (RT)  $Ls = 225.00'$   
 $Dc = 1^\circ 45' 00''$   $Ts = 914.18'$   
 $R = 3,274.04'$   $LT = 150.01'$   
 $T = 683.24'$   $ST = 75.01'$   
 $L = 1,347.14'$   $e_{max} = 4.60\%$   
 $E = 70.53'$   $CS STA. 211+91.27$   
 $TS STA. 196+19.13$   $ST STA. 214+16.27$   
 $SC STA. 198+44.13$

CURVE DATA  
S.R. 7  
CURVE NO. 4

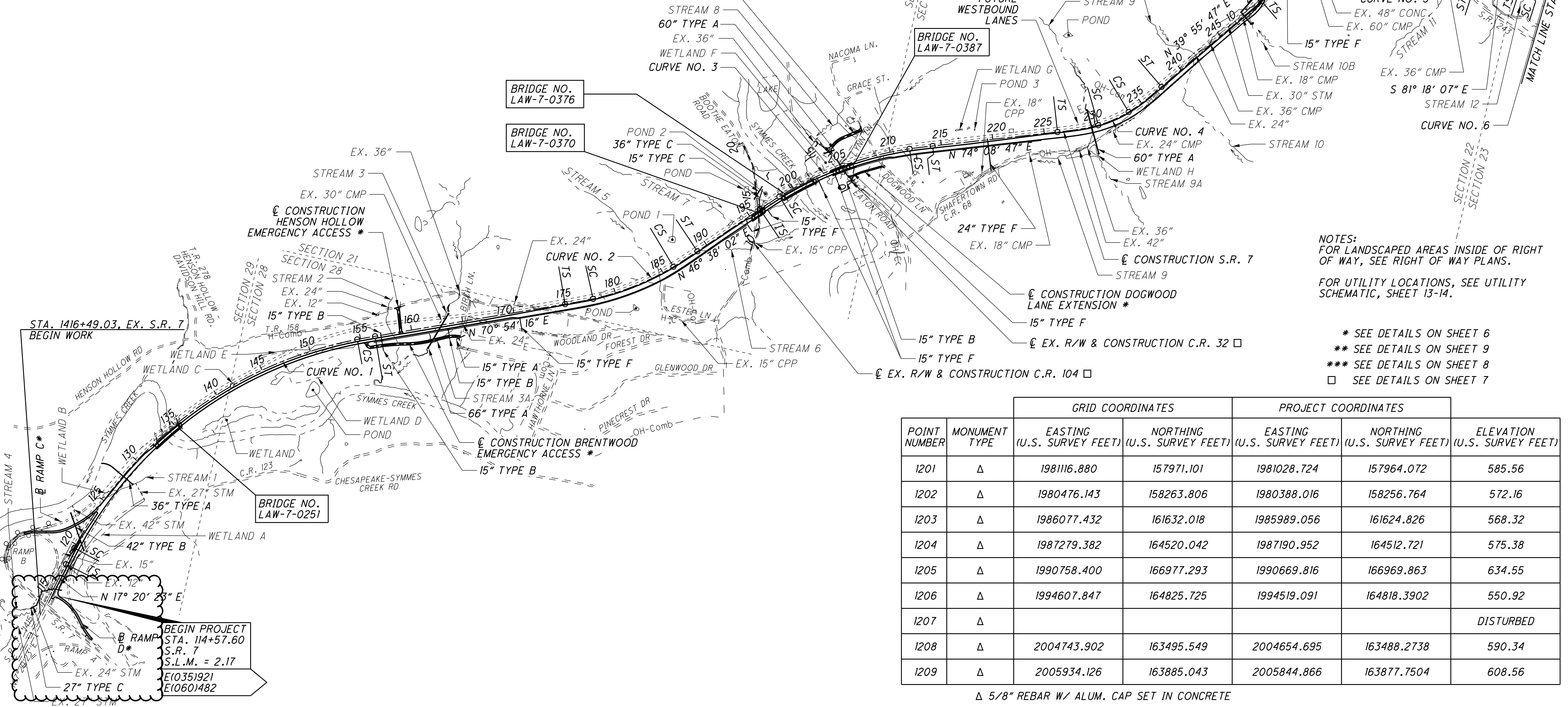
P.I. STA. 232+01.52  $\theta s = 9^\circ 30' 00''$   
 $\Delta = 34^\circ 12' 59''$  (LT)  $Ls = 400.00'$   
 $Dc = 4^\circ 45' 00''$   $Ts = 572.79'$   
 $R = 1,206.23'$   $LT = 267.05'$   
 $T = 161.12'$   $ST = 133.68'$   
 $L = 320.35'$   $e_{max} = 8.00\%$   
 $E = 10.71'$   $CS STA. 233+49.08$   
 $TS STA. 226+28.73$   $ST STA. 237+49.08$   
 $SC STA. 230+28.73$

CURVE DATA  
S.R. 7  
CURVE NO. 5

P.I. STA. 261+89.75  $\theta s = 5^\circ 41' 15''$   
 $\Delta = 58^\circ 46' 06''$  (RT)  $Ls = 350.00'$   
 $Dc = 3^\circ 15' 00''$   $Ts = 1,169.30'$   
 $R = 1,762.95'$   $LT = 233.45'$   
 $T = 773.76'$   $ST = 116.78'$   
 $L = 1,458.26'$   $e_{max} = 7.10\%$   
 $E = 162.33'$   $CS STA. 268+28.71$   
 $TS STA. 250+20.45$   $ST STA. 271+78.71$   
 $SC STA. 253+70.45$

CURVE DATA  
S.R. 7  
CURVE NO. 6

P.I. STA. 280+92.68  $\theta s = 0^\circ 37' 30''$   
 $\Delta = 5^\circ 51' 21''$  (LT)  $Ls = 125.00'$   
 $Dc = 1^\circ 00' 00''$   $Ts = 355.56'$   
 $R = 5,729.58'$   $LT = 83.33'$   
 $T = 230.42'$   $ST = 41.67'$   
 $L = 460.59'$   $e_{max} = 2.90\%$   
 $E = 4.63'$   $CS STA. 283+22.71$   
 $TS STA. 277+37.12$   $ST STA. 284+47.71$   
 $SC STA. 278+62.12$



NOTES:  
FOR LANDSCAPED AREAS INSIDE OF RIGHT OF WAY, SEE RIGHT OF WAY PLANS.  
FOR UTILITY LOCATIONS, SEE UTILITY SCHEMATIC, SHEET 13-14.  
\* SEE DETAILS ON SHEET 6  
\*\* SEE DETAILS ON SHEET 9  
\*\*\* SEE DETAILS ON SHEET 8  
□ SEE DETAILS ON SHEET 7

POINT NUMBER	MONUMENT TYPE	GRID COORDINATES		PROJECT COORDINATES		ELEVATION (U.S. SURVEY FEET)
		EASTING (U.S. SURVEY FEET)	NORTHING (U.S. SURVEY FEET)	EASTING (U.S. SURVEY FEET)	NORTHING (U.S. SURVEY FEET)	
1201	Δ	1981116.880	157971.101	1981028.724	157964.072	585.56
1202	Δ	1980476.143	158263.806	1980388.016	158256.764	572.16
1203	Δ	1986077.432	161632.018	1985989.056	161624.826	568.32
1204	Δ	1987279.382	164520.042	1987190.952	164512.721	575.38
1205	Δ	1990758.400	166977.293	1990669.816	166969.863	634.55
1206	Δ	1994607.847	164825.725	1994519.091	164818.3902	550.92
1207	Δ					DISTURBED
1208	Δ	2004743.902	163495.549	2004654.695	163488.2738	590.34
1209	Δ	2005934.126	163885.043	2005844.866	163877.7504	608.56

Δ 5/8" REBAR W/ ALUM. CAP SET IN CONCRETE

U:\173608714\LANW759233\roadway\_sheets\759233\30B001-2B.dgn 12/4/2024 3:38:12 PM siparker



**SCHEMATIC PLAN**

**LAW - 7 - 2.17**

**CURVE DATA  
S.R. 7  
CURVE NO. 1**

P.I. STA. 138+60.99  $\theta_s = 1^\circ 16' 21''$   
 $\Delta = 53^\circ 33' 53''$  (RT)  $L_s = 175.00'$   
 $D_c = 1^\circ 27' 15''$   $T_s = 2,076.38'$   
 $R = 3,940.00'$   $LT = 116.67'$   
 $T = 1,880.13'$   $ST = 58.34'$   
 $E = 425.60'$   $e_{max} = 4.00\%$   
 $CS$  STA. 154+68.05  
 $ST$  STA. 156+43.05  
 $SC$  STA. 119+59.61

**CURVE DATA  
RAMP D  
CURVE NO. 1**

P.I. STA. 116+98.94  $\Delta = 37^\circ 15' 49''$  (RT)  
 $D_c = 12^\circ 00' 00''$   $R = 477.46'$   
 $T = 160.98'$   
 $L = 310.53'$   
 $E = 26.41'$   
 $e_{max} = 7.30\%$   
 $PC$  STA. 115+37.96  
 $PT$  STA. 118+48.49

**CURVE DATA  
RAMP D  
CURVE NO. 2**

P.I. STA. 119+97.82  $\Delta = 17^\circ 04' 16''$  (LT)  
 $D_c = 10^\circ 00' 00''$   $R = 572.96'$   
 $T = 85.99'$   
 $L = 170.71'$   
 $E = 6.42'$   
 $e_{max}$  (N.D.C.) = 6.70%  
 $e_{max} = 1.60\%$   
 $PC$  STA. 119+11.83  
 $PT$  STA. 120+82.54

**CURVE DATA  
EX. S.R. 7  
EX. CURVE NO. 1**

P.I. STA. 1405+62.45  $\Delta = 90^\circ 19' 46''$   
 $R = 250.50'$   
 $L = 394.93'$   
 $T = 251.94'$   
 $E = 104.78'$   
 $PC$  STA. 1407+04.79  
 $PT$  STA. 1403+09.86

**CURVE DATA  
RAMP C  
CURVE NO. 1**

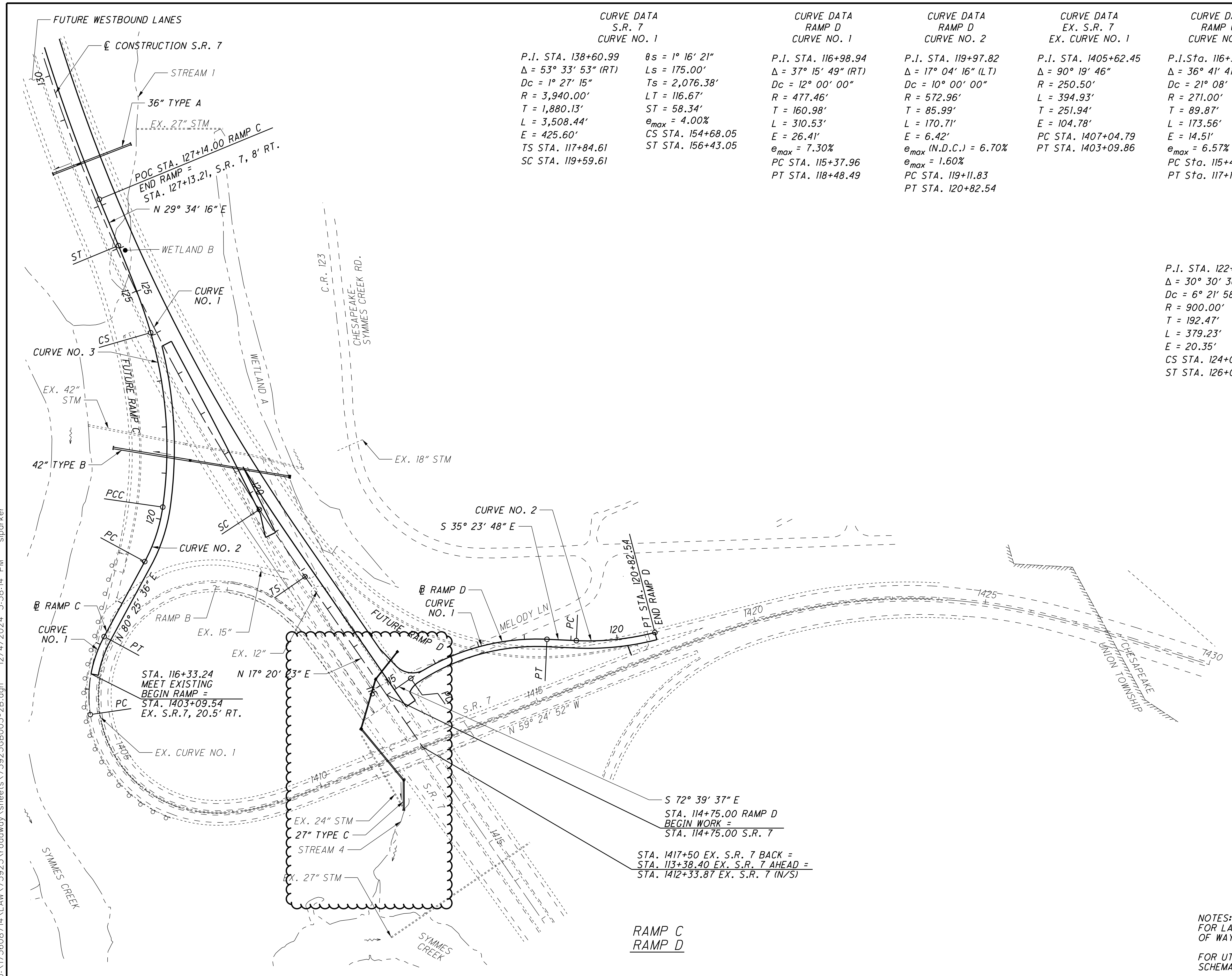
P.I. Sta. 116+35.14  $\Delta = 36^\circ 41' 41''$  (RT)  
 $D_c = 21^\circ 08' 32''$   $R = 271.00'$   
 $T = 89.87'$   
 $L = 173.56'$   
 $E = 14.51'$   
 $e_{max} = 6.57\%$   
 $PC$  Sta. 115+45.27  
 $PT$  Sta. 117+18.83

**CURVE DATA  
RAMP C  
CURVE NO. 2**

P.I. Sta. 119+65.29  $\Delta = 20^\circ 20' 49''$  (LT)  
 $D_c = 16^\circ 22' 13''$   $R = 350.00'$   
 $T = 62.81'$   
 $L = 124.29'$   
 $E = 5.59'$   
 $e_{max} = 7.08\%$   
 $PC$  Sta. 119+02.48  
 $PCC$  Sta. 120+26.77

**CURVE DATA  
RAMP C  
CURVE NO. 3**

P.I. STA. 122+69.78  $\theta_{back} = 6^\circ 21' 58''$   
 $\Delta = 30^\circ 30' 36''$  (LT)  $L_{back} = 200.00'$   
 $D_c = 6^\circ 21' 58''$   $T_{back} = 342.26'$   
 $R = 900.00'$   $LT = 133.42'$   
 $T = 192.47'$   $ST = 66.75'$   
 $L = 379.23'$   $e_{max} = 6.25\%$   
 $E = 20.35'$   $LT = 133.42'$   
 $CS$  STA. 124+06.00  $ST = 66.75'$   
 $ST$  STA. 126+06.00



**RAMP C  
RAMP D**

**NOTES:**  
FOR LANDSCAPED AREAS INSIDE OF RIGHT OF WAY, SEE RIGHT OF WAY PLANS.  
FOR UTILITY LOCATIONS, SEE UTILITY SCHEMATIC, SHEET 13-14.

U:\173608714\LAN\759233\roadway\_sheets\759233\B003-2B.dgn 12/4/2024 3:38:14 PM siparker

**ENVIRONMENTAL COMMITMENTS**

THE PROJECT IS LOCATED IN A SURFACE WATER SOURCE PROTECTION AREA FOR THE OHIO RIVER/CITY OF IRONTON AND IS LOCATED ADJACENT TO A GROUND WATER SOURCE PROTECTION AREA FOR THE VILLAGE OF PROCTORVILLE. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS WITHIN 50 FEET OF DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT THE CITY OF IRONTON FIRE DEPARTMENT (740-532-6463), THE CHESAPEAKE-UNION TOWNSHIP VOLUNTEER FIRE DEPARTMENT (740-867-5988), THE PROCTORVILLE COMMUNITY VOLUNTEER FIRE AND RESCUE (740-886-8579), AND/OR THE ROME VOLUNTEER FIRE DEPARTMENT (740-886-6770), AND/OR THE OHIO EPA'S SPILLS HOTLINE (1-800-282-9378) FOR CLEANUP OF THE SPILL.

THE CONTRACTOR SHALL NOT PERFORM ANY WORK WITHIN THE JURISDICTIONAL BOUNDARIES OF ANY WATERWAY, INCLUDING WETLANDS, UNTIL ODOT OBTAINS THE NECESSARY WATERWAY PERMITS. WORK INCLUDES THE PLACEMENT OF ANY TEMPORARY OR PERMANENT FILLS.

TO HELP PROTECT UNDISTURBED WETLANDS AND STREAMS, THE CONTRACTOR SHALL DEMARCATe AVOIDED AREAS IN THE FIELD PRIOR TO CONSTRUCTION PER THE WATERWAY PERMIT SPECIAL PROVISIONS.

TO MINIMIZE IMPACTS TO STATE AND FEDERALLY LISTED BATS, DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATe CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. 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.

ANY NECESSARY BLASTING AND/OR EXCAVATION WORK WITHIN AREAS IDENTIFIED AS ROCK OUTCROPS (RO) ON THE CONSTRUCTION PLANS BETWEEN STA 307+00 AND 348+00 MUST OCCUR BETWEEN MAY 15 AND SEPTEMBER 30. BLASTING CAN ONLY BE COMPLETED AFTER ALL TREE CLEARING HAS OCCURRED NEAR THE POTENTIAL HIBERNACULA FOLLOWING THE TIME OF YEAR RESTRICTIONS IN THE TREE CLEARING NOTE. AFTER THE ROCK OUTCROPS (RO) BETWEEN STA. 307+00 AND 348+00 ARE NO LONGER PRESENT FOLLOWING DISTURBANCE, CONSTRAINTS ON THE TIMING OF DISRUPTION OF THESE AREAS WILL NO LONGER APPLY.

THE USFWS WILDLIFE BIOLOGIST, DR. KAREN HALLBERG (614-528-9697; KAREN.HALLBERG@FWS.GOV), MUST BE INVITED TO A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR PRESENT AND BE NOTIFIED OF THE PROJECT START DATE A MINIMUM OF ONE WEEK PRIOR TO THE COMMENCEMENT OF WORK.

IF ANY HUMAN REMAINS OR NATIVE AMERICAN CULTURAL ITEMS FALLING UNDER THE NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT (NAGPRA) OR ARCHAEOLOGICAL EVIDENCE IS DISCOVERED DURING ANY PHASE OF THIS PROJECT, THE CONTRACTOR SHALL STOP WORK WITHIN 100 METERS (+330 FEET) OF THE SITE OF DISCOVERY AND AVOID FURTHER DISTURBANCE. CONSTRUCTION PERSONNEL SHALL IMMEDIATELY CONTACT BRANDON BECK, ODOT DISTRICT 9 ENVIRONMENTAL COORDINATOR (740-774-8976) TO INITIATE CONSULTATION. THE DISCOVERING PARTY MUST MAKE A REASONABLE EFFORT TO PROTECT AND SECURE THE REMAINS AND ITEMS. CONSTRUCTION SHALL NOT RESUME WITHIN 100 METERS (+330 FEET) AROUND THE DISCOVERY UNTIL A COURSE OF ACTION IS DETERMINED THROUGH CONSULTATION PROVISIONS.

**RECREATIONAL BOATING**

THE CONTRACTOR SHALL BE MADE AWARE OF THE POSSIBLE PRESENCE OF BOATING TRAFFIC ON BOTH SYMMES CREEK LOCATIONS AND INDIAN GUYAN CREEK AND ALERT BOATERS VIA APPROPRIATE SIGNAGE/MARKERS.

THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNAGE 300 FEET UPSTREAM AND DOWNSTREAM OF EACH STREAM CROSSING LOCATION TO ALERT PADDLERS/BOATERS OF CONSTRUCTION ACTIVITY. SIGNAGE SHOULD ALSO BE COORDINATED WITH THE VILLAGE OF CHESAPEAKE AND PLACED AT THE SYMMES CREEK BOAT RAMP.

THE CONTRACTOR SHALL PROVIDE NOTICE 21 CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO THE ENGINEER. THE ENGINEER SHALL NOTIFY ODNr AT (KYL.A.MAUNZ@DNR.OHIO.GOV) 14 CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO ALLOW ODNr TO POST NOTICE OF THE IMPENDING PROJECT CONSTRUCTION ON THE APPROPRIATE ODNr WEB PAGES AND ASSOCIATED ONLINE BOATING MAPS.

THE CONTRACTOR SHALL PROVIDE A PORTAGE FOR EACH LOCATION AND ACCOMMODATE SAFE TRAVEL THROUGH THE CONSTRUCTION AREA.

ALL LABOR, EQUIPMENT, AND MATERIALS FOR THE CONTRACTOR TO IMPLEMENT THIS RECREATIONAL BOATING COMMITMENT FOR THE DURATION OF THE PROJECT SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK.

U:\173608714\LA\75923\ecological\sheets\75923EN001-2B.dgn 12/4/2024 3:38:28 PM siparker

CALCULATED  
ALB  
CHECKED  
TCM

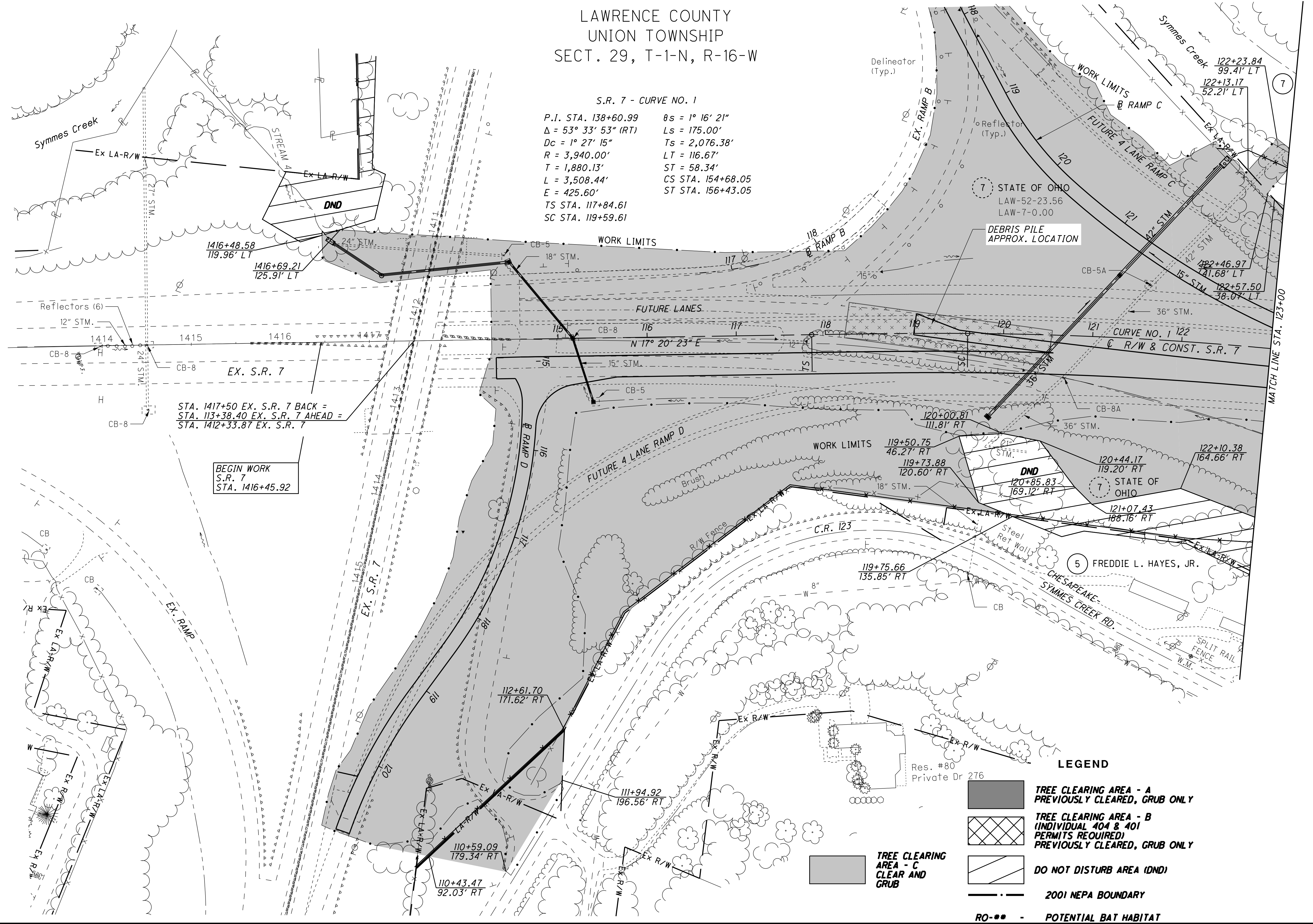
ENVIRONMENTAL COMMITMENT PLAN  
GENERAL NOTES

LAW - 7 - 2.17

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 29, T-1-N, R-16-W

S.R. 7 - CURVE NO. 1

P.I. STA. 138+60.99       $\theta_s = 1^\circ 16' 21''$   
 $\Delta = 53^\circ 33' 53''$  (RT)       $L_s = 175.00'$   
 $D_c = 1^\circ 27' 15''$        $T_s = 2,076.38'$   
 $R = 3,940.00'$        $L_T = 116.67'$   
 $T = 1,880.13'$        $CS = 58.34'$   
 $L = 3,508.44'$        $CS \text{ STA. } 154+68.05$   
 $E = 425.60'$        $ST \text{ STA. } 156+43.05$   
 $TS \text{ STA. } 117+84.61$   
 $SC \text{ STA. } 119+59.61$



STA. 1417+50 EX. S.R. 7 BACK =  
 STA. 113+38.40 EX. S.R. 7 AHEAD =  
 STA. 1412+33.87 EX. S.R. 7

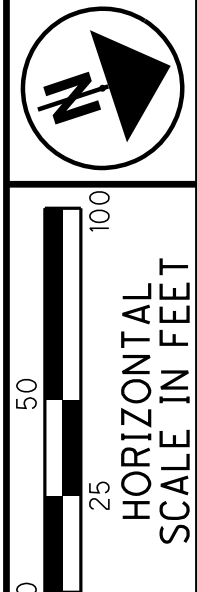
BEGIN WORK  
 S.R. 7  
 STA. 1416+45.92

STATE OF OHIO  
 LAW-52-23.56  
 LAW-7-0.00

STATE OF OHIO  
 120+44.17  
 119.20' RT

FREDDIE L. HAYES, JR.

- LEGEND**
- TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
  - TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
  - TREE CLEARING AREA - C  
CLEAR AND GRUB
  - DO NOT DISTURB AREA (DND)
  - 2001 NEPA BOUNDARY
  - POTENTIAL BAT HABITAT



PID NO. 120720  
 R/W DESIGNER TDW  
 R/W REVIEWER JDH

TREE CLEARING PLAN - S.R. 7  
 STA. 114+57.60 TO STA. 123+00

LAW-7-2.17  
 TREE CLEARING

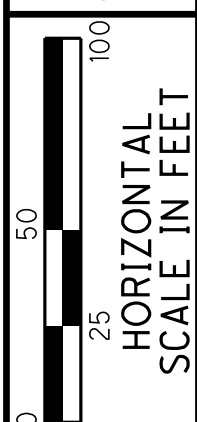
22A  
 1247

U:\173608714\Law\75923\Tree Clearing\Law-120720-CADD\FILES-R\RW\Sheets\75923RT001.dgn 12/4/2024 3:38:38 PM siparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 29, T-1-N, R-16-W

CURVE DATA  
S.R. 7  
CURVE NO. 1

P.I. STA. 138+60.99     $\theta_s = 1^\circ 16' 21''$   
 $\Delta = 53^\circ 33' 53''$  (RT)     $L_s = 175.00'$   
 $D_c = 1^\circ 27' 15''$      $T_s = 2,076.38'$   
 $R = 3,940.00'$      $L_T = 116.67'$   
 $T = 1,880.13'$      $ST = 58.34'$   
 $L = 3,508.44'$      $CS \text{ STA. } 154+68.05$   
 $E = 425.60'$      $ST \text{ STA. } 156+43.05$   
 $TS \text{ STA. } 117+84.61$   
 $SC \text{ STA. } 119+59.61$



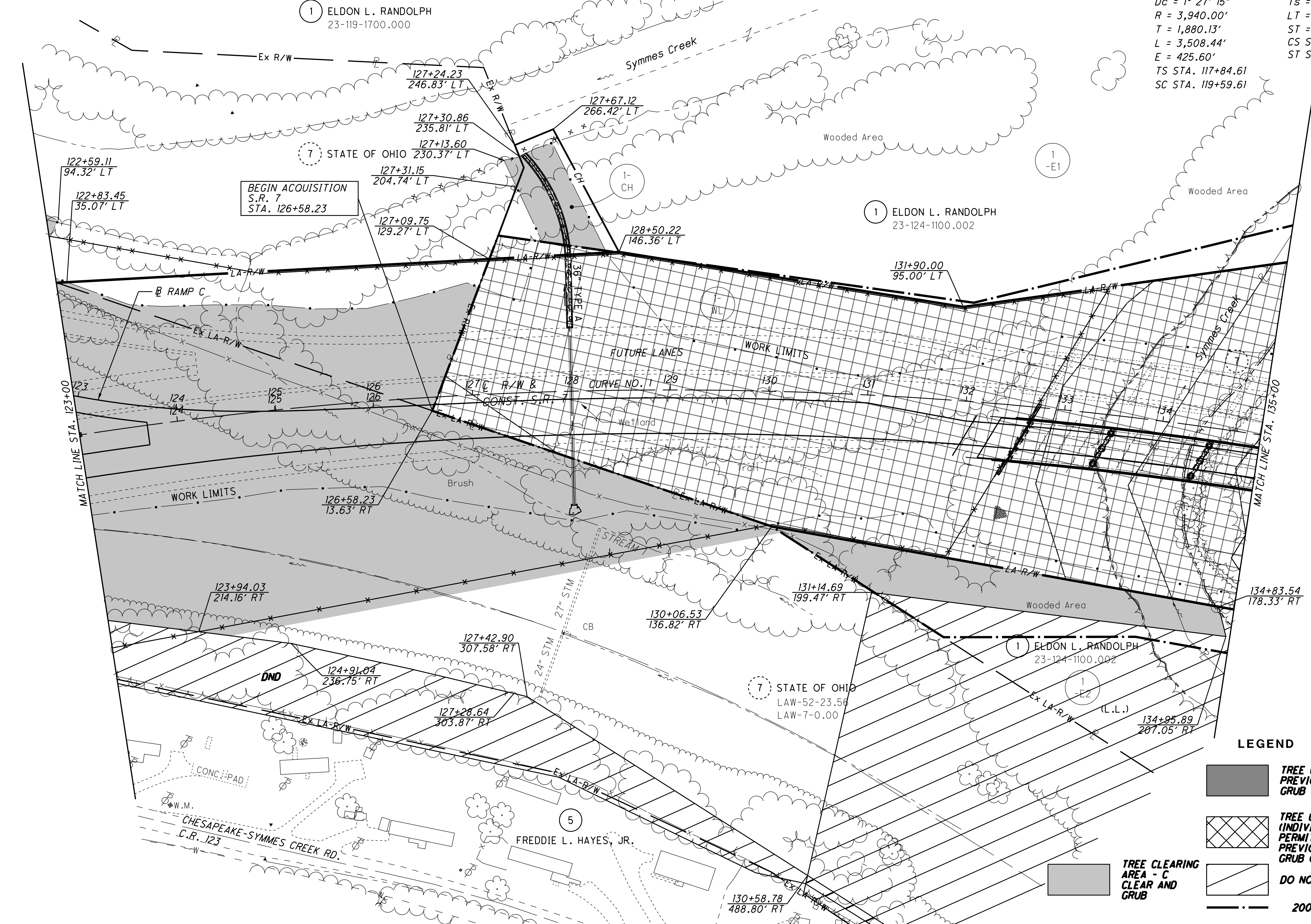
PID NO. **120720**

R/W DESIGNER TDW  
R/W REVIEWER JWH

TREE CLEARING PLAN - S.R. 7  
STA. 123+00 TO STA. 135+00

LAW-7-2.17  
TREE CLEARING

22B  
1247



LEGEND

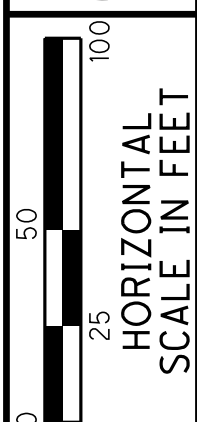
- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-\*\* - POTENTIAL BAT HABITAT

U:\173608714\Law\75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT002.dgn 12/4/2024 3:38:39 PM sparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 28 & 29, T-1-N, R-16-W

CURVE DATA  
S.R. 7  
CURVE NO. 1

P.I. STA. 138+60.99     $\theta_s = 1^\circ 16' 21''$   
 $\Delta = 53^\circ 33' 53''$  (RT)     $L_s = 175.00'$   
 $D_c = 1^\circ 27' 15''$      $T_s = 2,076.38'$   
 $R = 3,940.00'$      $LT = 116.67'$   
 $T = 1,880.13'$      $ST = 58.34'$   
 $L = 3,508.44'$      $CS$  STA. 154+68.05  
 $E = 425.60'$      $ST$  STA. 156+43.05  
 $TS$  STA. 117+84.61  
 $SC$  STA. 119+59.61



PID NO. **120720**

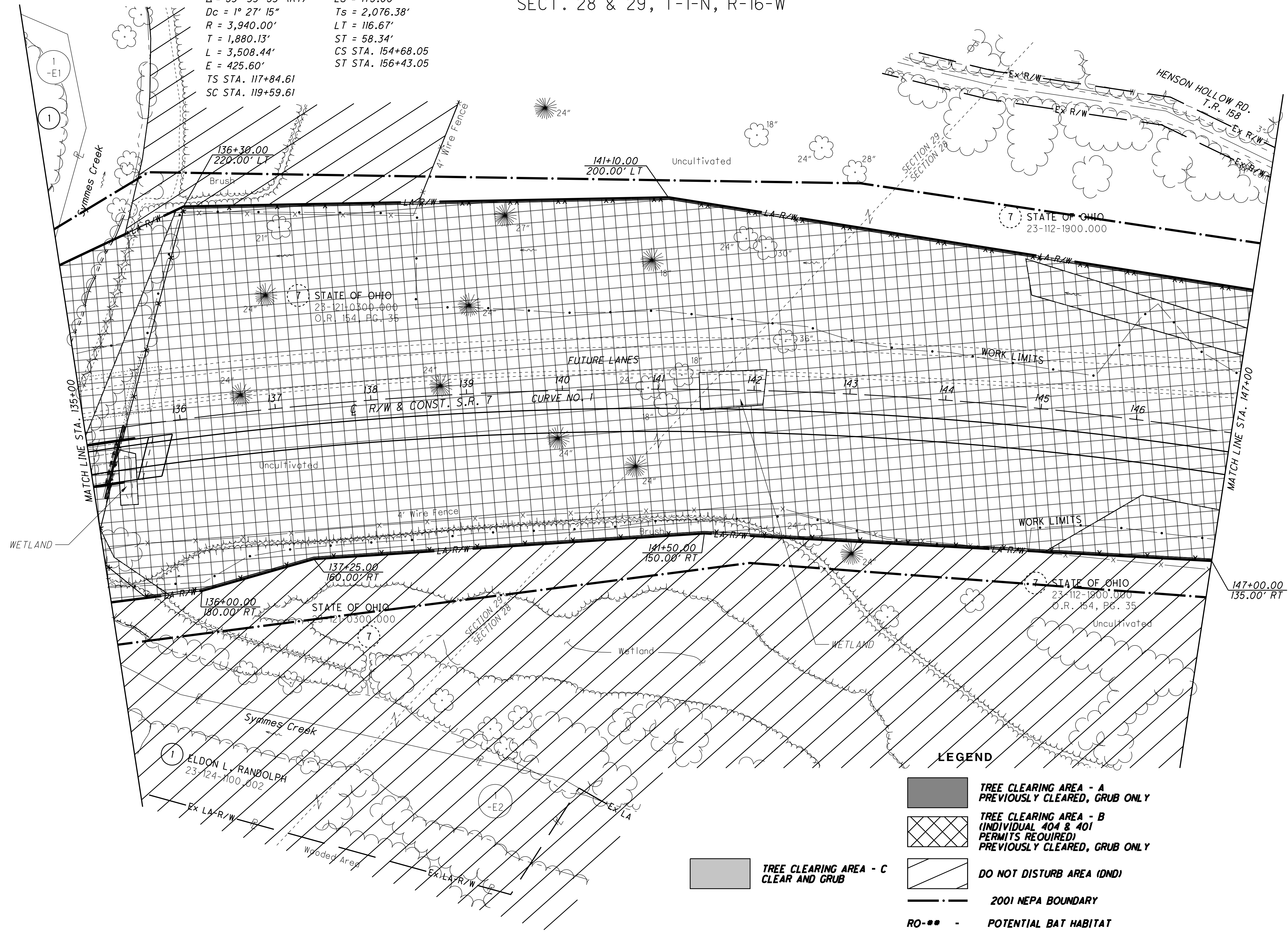
R/W DESIGNER TDW  
R/W REVIEWER JWH

TREE CLEARING PLAN - S.R. 7  
STA. 135+00 TO STA. 147+00

LAW-7-2.17  
TREE CLEARING

22C  
1247

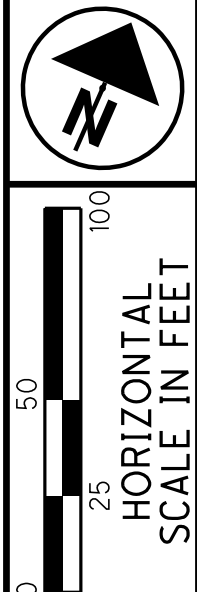
U:\173608714\Law\75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT003.dgn 12/4/2024 3:38:40 PM sparker



LEGEND

- TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C  
CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 28, T-1-N, R-16-W

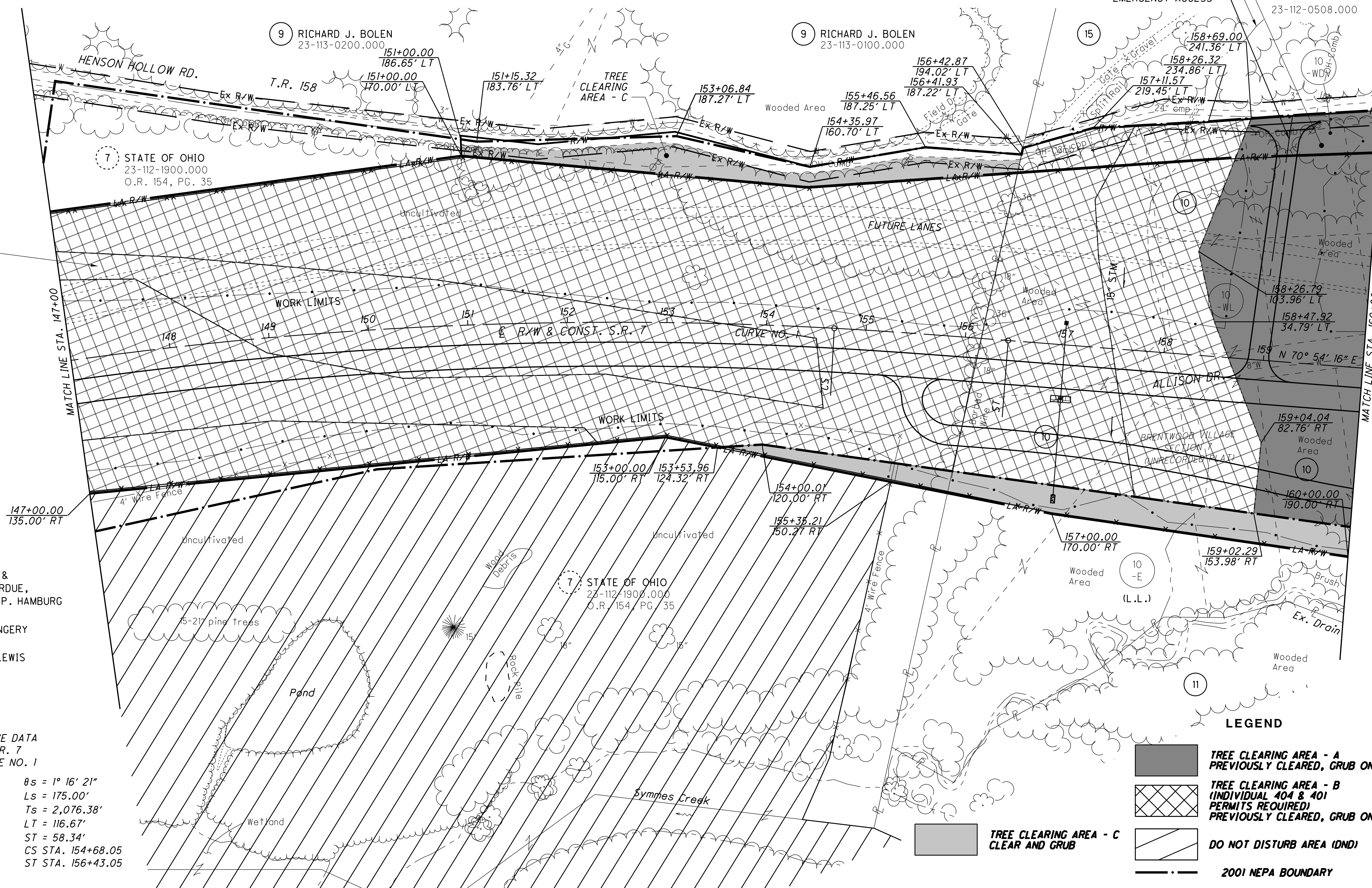


PID NO. 120720  
R/W DESIGNER TDW  
R/W REVIEWER JWH

TREE CLEARING PLAN - S.R. 7  
STA. 147+00 TO STA. 160+00

LAW-7-2.17  
TREE CLEARING

22D  
1247



**CURVE DATA**  
S.R. 7  
CURVE NO. 1

P.I. STA. 138+60.99	$\theta_s = 1^\circ 16' 21''$
$\Delta = 53^\circ 33' 53''$ (RT)	$L_s = 175.00'$
$D_c = 1^\circ 27' 15''$	$T_s = 2,076.38'$
$R = 3,940.00'$	$LT = 116.67'$
$T = 1,880.13'$	$ST = 58.34'$
$L = 3,508.44'$	$CS$ STA. 154+68.05
$E = 425.60'$	$ST$ STA. 156+43.05
$TS$ STA. 117+84.61	
$SC$ STA. 119+59.61	

- 10 HOWARD W. & RUTH R. PERDUE, AND NANCY P. HAMBURG
- 11 RONNIE & LYNN M. KINGERY
- 15 JAMES M. & GARRETTA LEWIS

**LEGEND**

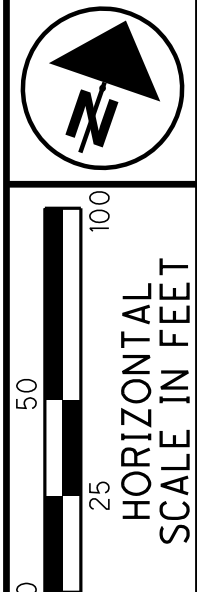
- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

U:\173608714\Law-75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT004.dgn 12/4/2024 3:38:41 PM sparker



LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 21 & 28, T-1-N, R-16-W

- 22 JOHN M. HILL, II & MANDY J. HILL
- 23 BRAD & EMMA MCNEILL
- 24 ROBERT & CONCEPCION J. HINTZ
- 25 JAMES T. & MELISSA POINTER
- 27 RYAN B. & LESLIE R. DAVIS
- 28 DANNY HOLSCHUH AND FRED HAYES
- 31 JAMES R. & REBECCA MCCOMAS
- 33 ROBERT & CONCEPCION HINTZ
- 35 STATE OF OHIO
- 36 STATE OF OHIO
- 37 STEVEN D. & LESLIE R. FLOUHOUSE
- 45 RICHARD HOUSTON

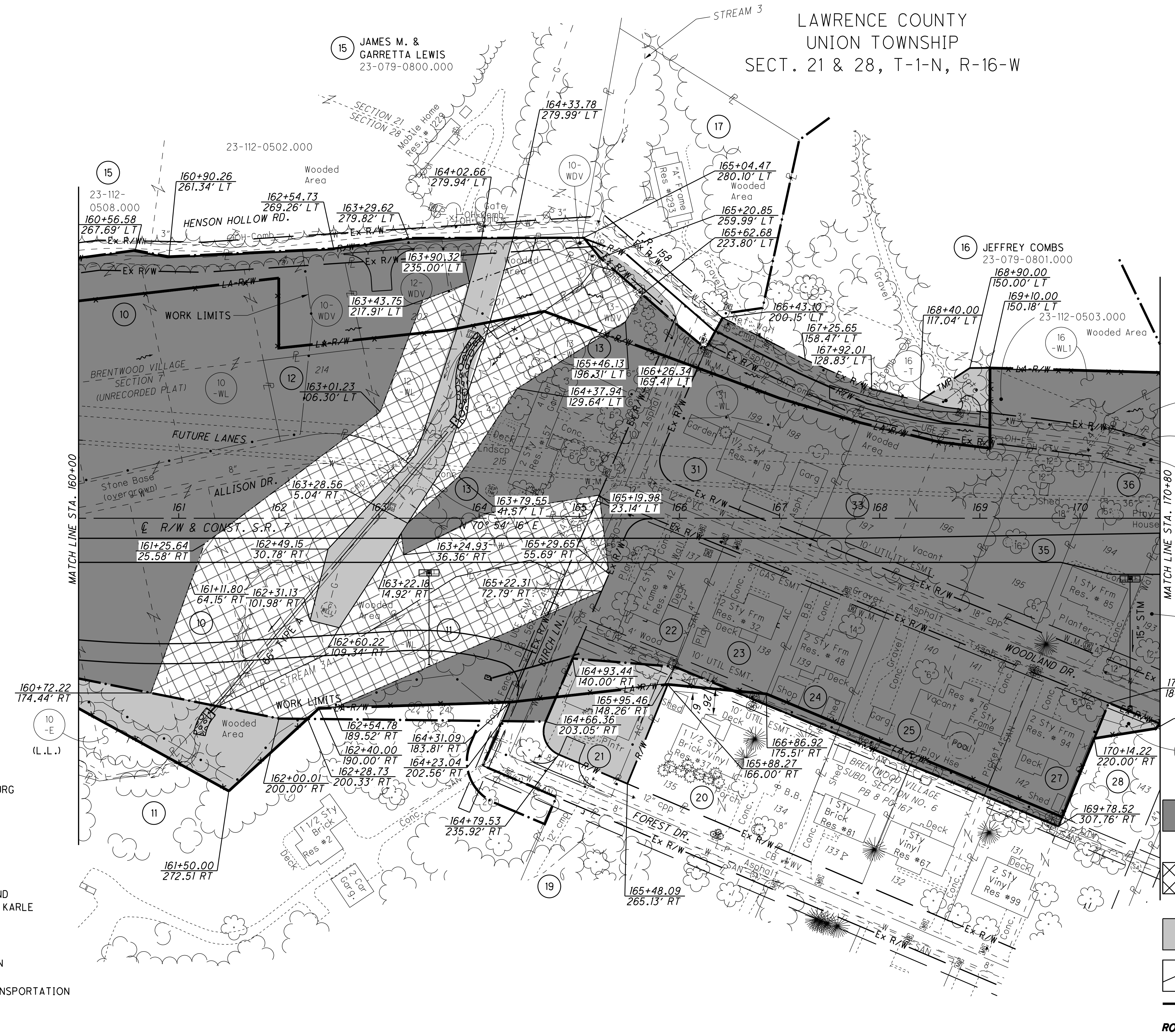


PID NO. **120720**  
R/W DESIGNER TDW  
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7  
STA. 160+00 TO STA. 170+80

LAW-7-2.17  
TREE CLEARING

22E  
1247



- 10 HOWARD W. & RUTH R. PERDUE, AND NANCY P. HAMBURG
- 11 RONNIE & LYNN M. KINGERY
- 12 HOWARD W. & RUTH R. PERDUE
- 13 ROBERT P. & ELIZABETH M. TABER
- 17 FRANCESCA KARLE AND DAVID & ANTONETTA KARLE
- 19 WILLARD D. SPEARS
- 20 PENNY SUE MARTIN AND BRIAN S. MARTIN
- 21 STATE OF OHIO DEPARTMENT OF TRANSPORTATION

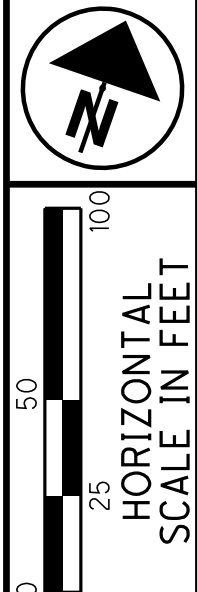
**LEGEND**

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

U:\173608714.LAW\75923\tree\_clearing.LAW-120720-CADFILES-R\RW\_Sheets\75923RT005.dgn 12/4/2024 3:38:42 PM sparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 21 & 28, T-1-N, R-16-W

MATCH LINE - SEE SHEET 22G

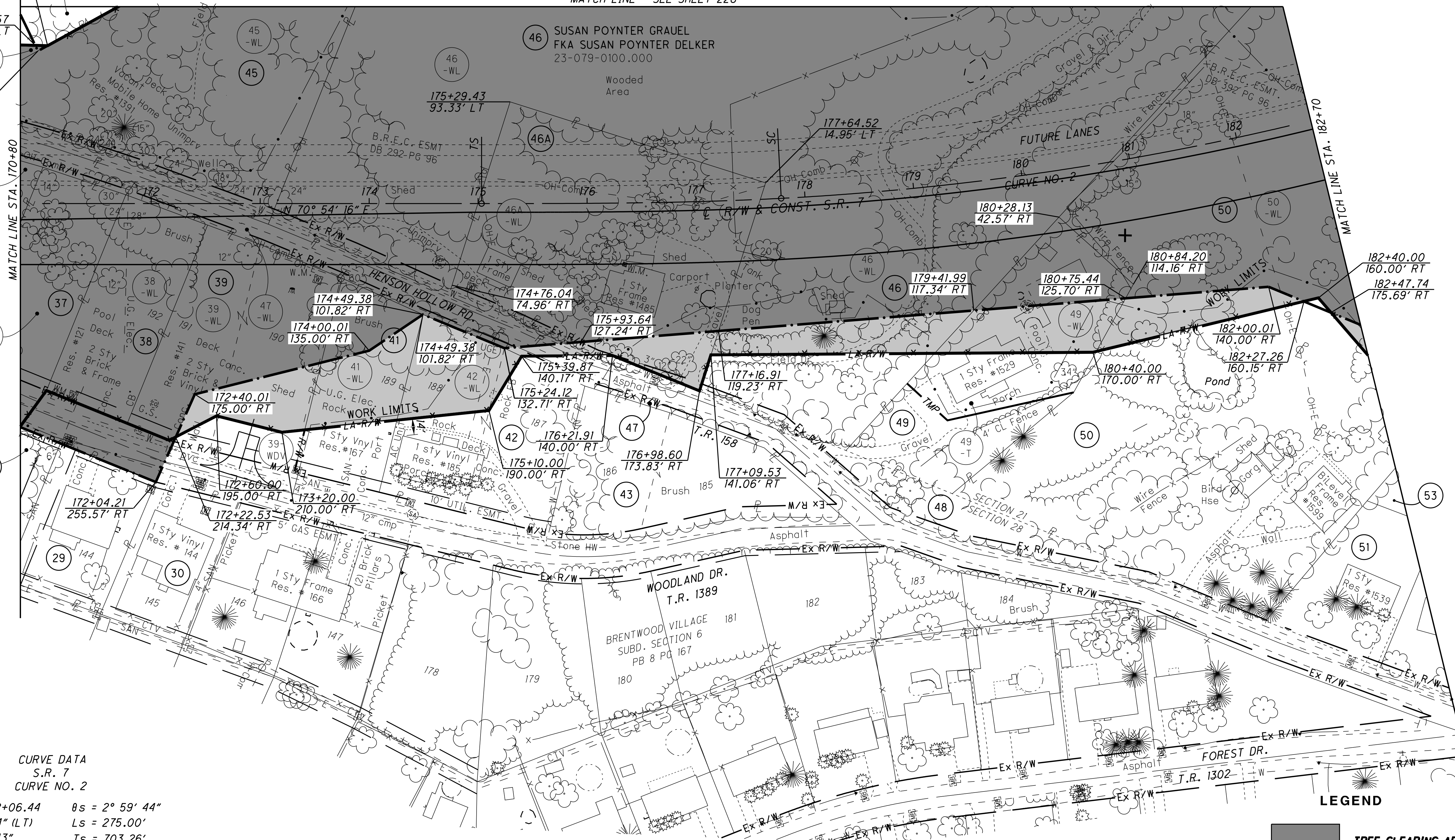


PID NO. 120720  
R/W DESIGNER TDW  
R/W REVIEWER JDH

TREE CLEARING PLAN - S.R. 7  
STA. 170+80 TO STA. 182+70 (SOUTH)

LAW-7-2.17  
TREE CLEARING

22F  
1247



CURVE DATA  
S.R. 7  
CURVE NO. 2

P.I. STA. 182+06.44  $\theta_s = 2^\circ 59' 44''$   
 $\Delta = 24^\circ 16' 14''$  (LT)  $L_s = 275.00'$   
 $D_c = 2^\circ 10' 43''$   $T_s = 703.26'$   
 $R = 2,630.00'$   $LT = 183.36'$   
 $T = 423.13'$   $ST = 91.69'$   
 $L = 839.08'$   $CS STA. 186+17.26$   
 $E = 33.82'$   $ST STA. 188+92.26$   
 $TS STA. 175+03.18$   
 $SC STA. 177+78.18$

SEE SHEET 47/82 FOR  
R/W IDENTIFIERS NOT SHOWN HEREON

- |   |  |   |   |
|---|--|---|---|
| (28) DANNY HOLSCHUH<br>AND FRED HAYES   | (38) DWAYNE E. &<br>SHANNON ALLEN              | (44) PATRICIA R. LEWIS  | (48) W.F. McCOY<br>(HEIRS & ASSIGNS)          |
| (29) GLEN D. &<br>CAROL J. CHAPMAN      | (39) JERRY D. &<br>ANGELA D. EDDY              | (45) RICHARD HOUSTON  | (49) CAROL R. FIELDS                          |
| (30) NATALIE L. CAMPBELL                | (41) RONALD L. &<br>OSIE M. CLEVELAND          | (46A) BIRDIE J. FRIEND  | (50) DONALD RAYMOND WAUGH                     |
| (36) STATE OF OHIO                      | (42) CARLOS D. &<br>PATRICIA A. MARCUM         | (46) SUSAN POYNTER GRAUEL<br>FKA SUSAN POYNTER DELKER                     | (51) OTIS M. &<br>CATHRYN J. JUSTICE          |
| (37) STEVEN D. &<br>LESLIE R. FLOUHOUSE | (43) HOWARD W. PERDUE, JR.<br>& RUTH R. PERDUE | (47) THE TWENTIETH STREET<br>BANK, A WEST VIRGINIA<br>BANKING CORPORATION | (53) JOHNNIE R. SCOTT &<br>SARAH A. GILLESPIE |

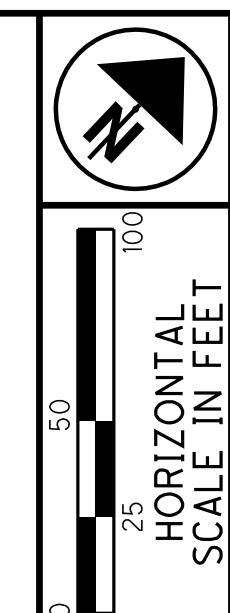
**LEGEND**

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT
- TREE CLEARING  
AREA - C  
CLEAR AND GRUB

U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R\RW\_Sheets\75923RT006.dgn 12/4/2024 3:38:43 PM siparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 21, T-1-N, R-16-W

- 50 DONALD RAYMOND WAUGH
- 53 JOHNNIE R. SCOTT & SARAH A. GILLESPIE
- 54 KERSTEN B. & KINDRA R. HARRIS
- 55 BOBBY L. & ROBERTA J. ESTEP
- 56 CHARLES & CHARLOTTE POYNTER
- 57 BARBARA SHOCKLEY
- 59 THOMAS D. THORNBURGH, SR. & BARBARA J. HODGE THORNBURGH
- 61 GEARLD & VALERIA SHOCKLEY
- 63 THOMAS E. & SALLY NEWTON



PID NO. **120720**  
R/W DESIGNER TDW  
R/W REVIEWER JQH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 182+70 TO STA. 195+00**

**LAW-7-2.17**  
**TREE CLEARING**

22H  
1247

55 BOBBY L. & ROBERTA J. ESTEP  
23-080-0700.000

57 BARBARA SHOCKLEY  
23-080-0400.000

60 JERRY SHOCKLEY  
23-079-1500.002

- 1-TR 192+81.54  
14.35' RT
- 2-TR 193+00.40  
148.90' RT
- 3-TR 193+16.90  
188.32' RT
- 4-TR 192+82.40  
167.49' RT
- 5-TR 192+79.53  
170.45' RT
- 6-TR 191+74.49  
26.96' RT
- 7-TR 191+18.57  
14.57' RT

**LEGEND**

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

**CURVE-DATA**  
S.R. 7  
CURVE NO. 2

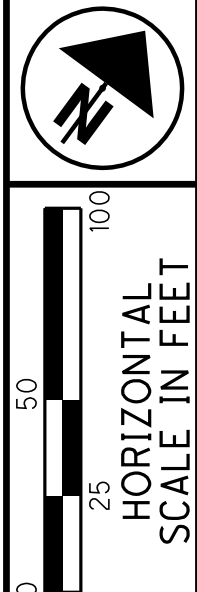
P.I. STA. 182+06.44     $\theta_s = 2^\circ 59' 44''$   
 $\Delta = 24^\circ 16' 14''$  (LT)     $L_s = 275.00'$   
 $D_c = 2^\circ 10' 43''$      $T_s = 703.26'$   
 $R = 2,630.00'$      $LT = 183.36'$   
 $T = 423.13'$      $ST = 91.69'$   
 $L = 839.08'$     CS STA. 186+17.26  
 $E = 33.82'$     ST STA. 188+92.26  
 TS STA. 175+03.18  
 SC STA. 177+78.18

5' W.L. ESMT.  
DB 537 PG 758  
DB 462 PG 103

U:\173608714.LAW\759233.tree clearing.LAW-120720-CADDFILES-R\RW\_Sheets\759233RT008.dgn 12/4/2024 3:38:45 PM sparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 21, T-1-N, R-16-W

- 59 THOMAS D. THORNBURGH, SR. & BARBARA J. HODGE THORNBURGH
- 60 JERRY SCHOCKLEY
- 61 GEARLD & VALERIA SHOCKLEY
- 62 STEVEN S. ADKINS
- 63 THOMAS E. & SALLY NEWTON
- 64 EVERETT D. MARTIN, JR. AND GINA MARTIN
- 65 PAMELA S. ELLIS
- 66 EVERETT MARTIN, JR.
- 67 JERRY L. & PAULA A. NOBLE
- 68 WALTER L. PLUMLEY
- 69 WALTER L. PLUMLEY
- 70 EARL D. BRAMMER (HEIRS & ASSIGNS)
- 71 STATE OF OHIO DEPARTMENT OF TRANSPORTATION
- 71A WILLIAM J. & LAURAEETTE J. KNAPP
- 72 JARRETT AUSTIN WHITMORE AND BREANNA NICOLE WHITMORE

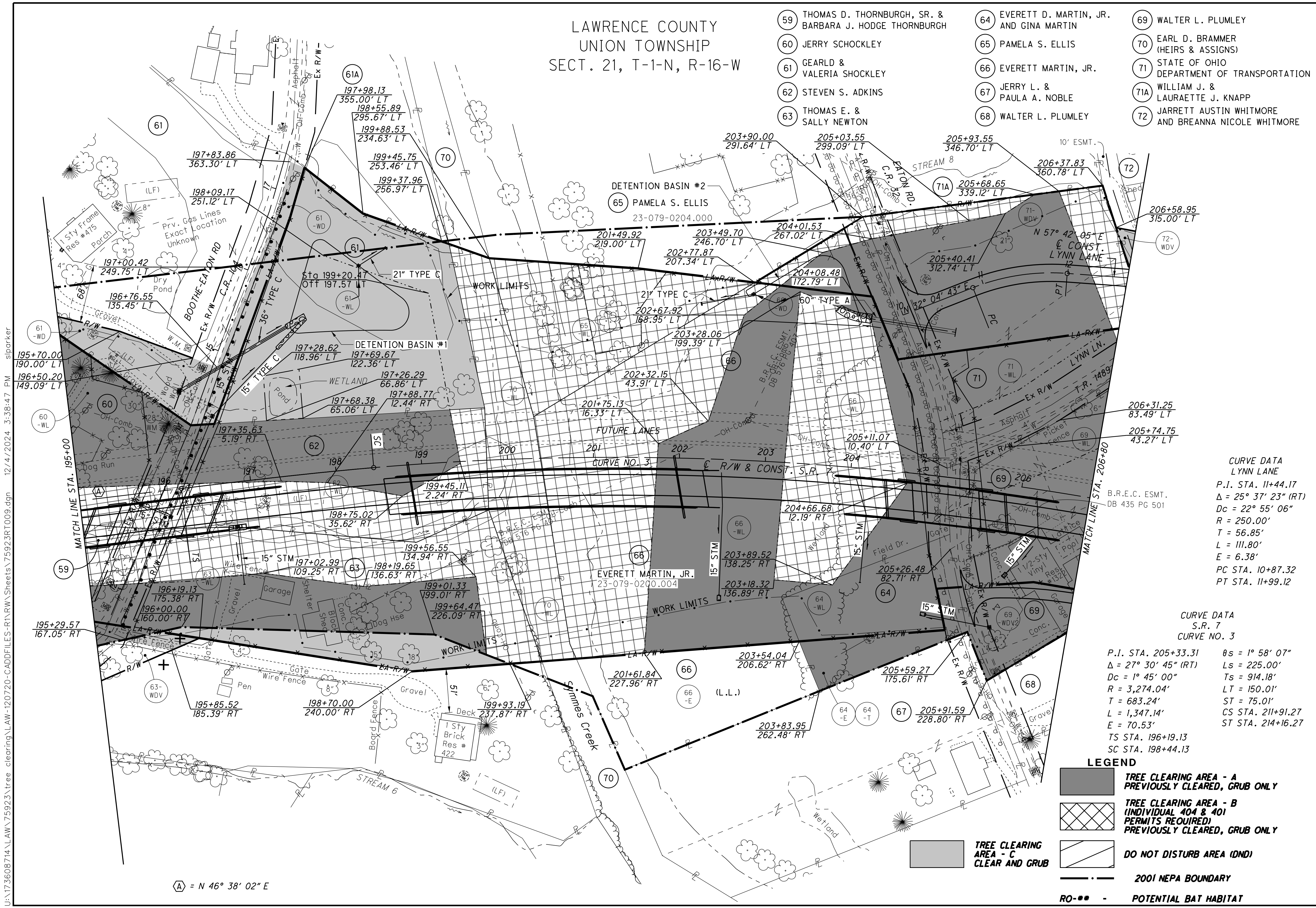


PID NO. **120720**  
R/W DESIGNER TDW  
R/W REVIEWER JQH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 195+00 TO STA. 206+80**

**LAW-7-2.17**  
**TREE CLEARING**

221  
1247



**CURVE DATA**  
LYNN LANE  
P.I. STA. 11+44.17  
 $\Delta = 25^\circ 37' 23''$  (RT)  
Dc =  $22^\circ 55' 06''$   
R = 250.00'  
T = 56.85'  
L = 111.80'  
E = 6.38'  
PC STA. 10+87.32  
PT STA. 11+99.12

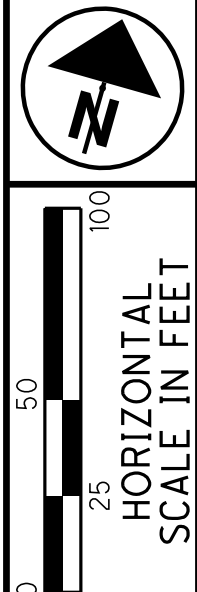
**CURVE DATA**  
S.R. 7  
CURVE NO. 3  
P.I. STA. 205+33.31  
 $\Delta = 27^\circ 30' 45''$  (RT)  
Dc =  $1^\circ 45' 00''$   
R = 3,274.04'  
T = 683.24'  
L = 1,347.14'  
E = 70.53'  
TS STA. 196+19.13  
SC STA. 198+44.13

- LEGEND**
- TREE CLEARING AREA - A**  
**PREVIOUSLY CLEARED, GRUB ONLY**
  - TREE CLEARING AREA - B**  
**(INDIVIDUAL 404 & 401 PERMITS REQUIRED)**  
**PREVIOUSLY CLEARED, GRUB ONLY**
  - TREE CLEARING AREA - C**  
**CLEAR AND GRUB**
  - DO NOT DISTURB AREA (DND)**
  - 2001 NEPA BOUNDARY**
  - POTENTIAL BAT HABITAT**

U:\173608714\Law\759233\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\759232RT009.dgn 12/4/2024 3:38:47 PM siparker

(A) = N 46° 38' 02" E

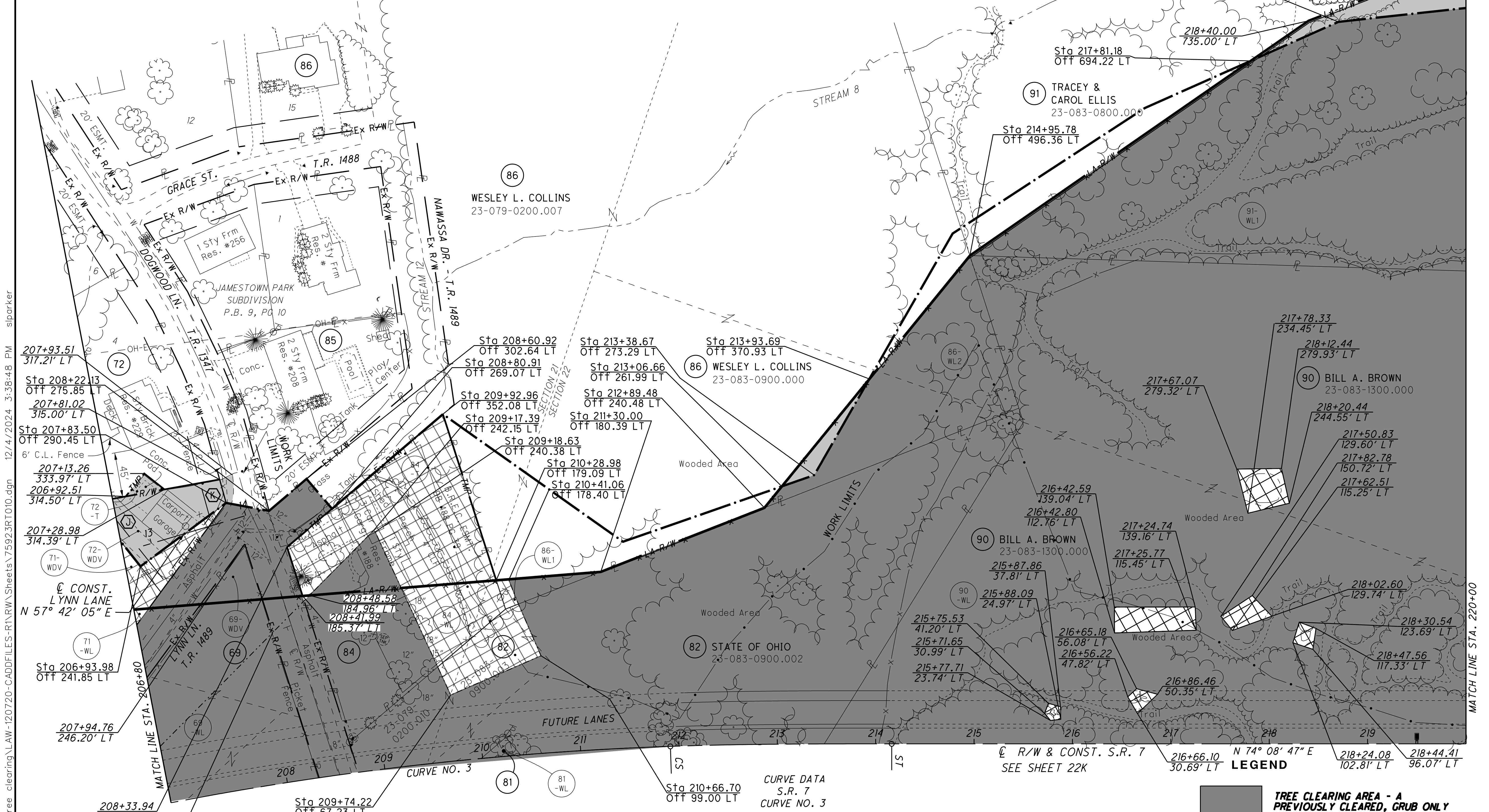
LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 21 & 22, T-1-N, R-16-W



PID NO. **120720**  
R/W DESIGNER TDW  
R/W REVIEWER JDH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 206+80 TO STA. 220+00 (NORTH)**

**LAW-7-2.17**  
**TREE CLEARING**  
22J  
1247



U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R1\RW\Sheets\75923RT010.dgn 12/4/2024 3:38:48 PM sparker

- (69) WALTER L. & BRENDA H. PLUMLEY
- (71) STATE OF OHIO DEPARTMENT OF TRANSPORTATION
- (72) JARRETT AUSTIN WHITMORE AND BREANNA NICOLE WHITMORE
- (81) RAYMOND R. & ALMA J. MCHONE
- (84) ELWOOD E. & AMBER C. WILSON
- (85) BLAIR P. & APRIL D. WRIGHT

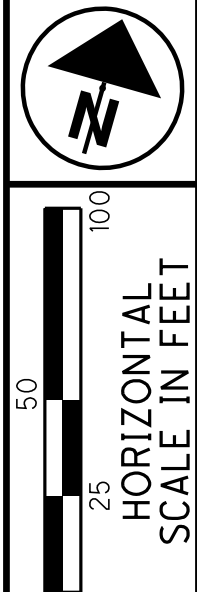
**CURVE DATA**  
S.R. 7  
CURVE NO. 3

P.I. STA. 205+33.31       $\theta_s = 1^\circ 58' 07''$   
 $\Delta = 27^\circ 30' 45''$  (RT)       $L_s = 225.00'$   
 $D_c = 1^\circ 45' 00''$        $T_s = 914.18'$   
 $R = 3,274.04'$        $LT = 150.01'$   
 $T = 683.24'$        $ST = 75.01'$   
 $L = 1,347.14'$        $CS$  STA. 211+91.27  
 $E = 70.53'$        $ST$  STA. 214+16.27  
 $TS$  STA. 196+19.13  
 $SC$  STA. 198+44.13

- TREE CLEARING AREA - A**  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B**  
(INDIVIDUAL 404 & 401 PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)**
- 2001 NEPA BOUNDARY**
- POTENTIAL BAT HABITAT**

MATCH LINE STA. 220+00

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 21 & 22, T-1-N, R-16-W



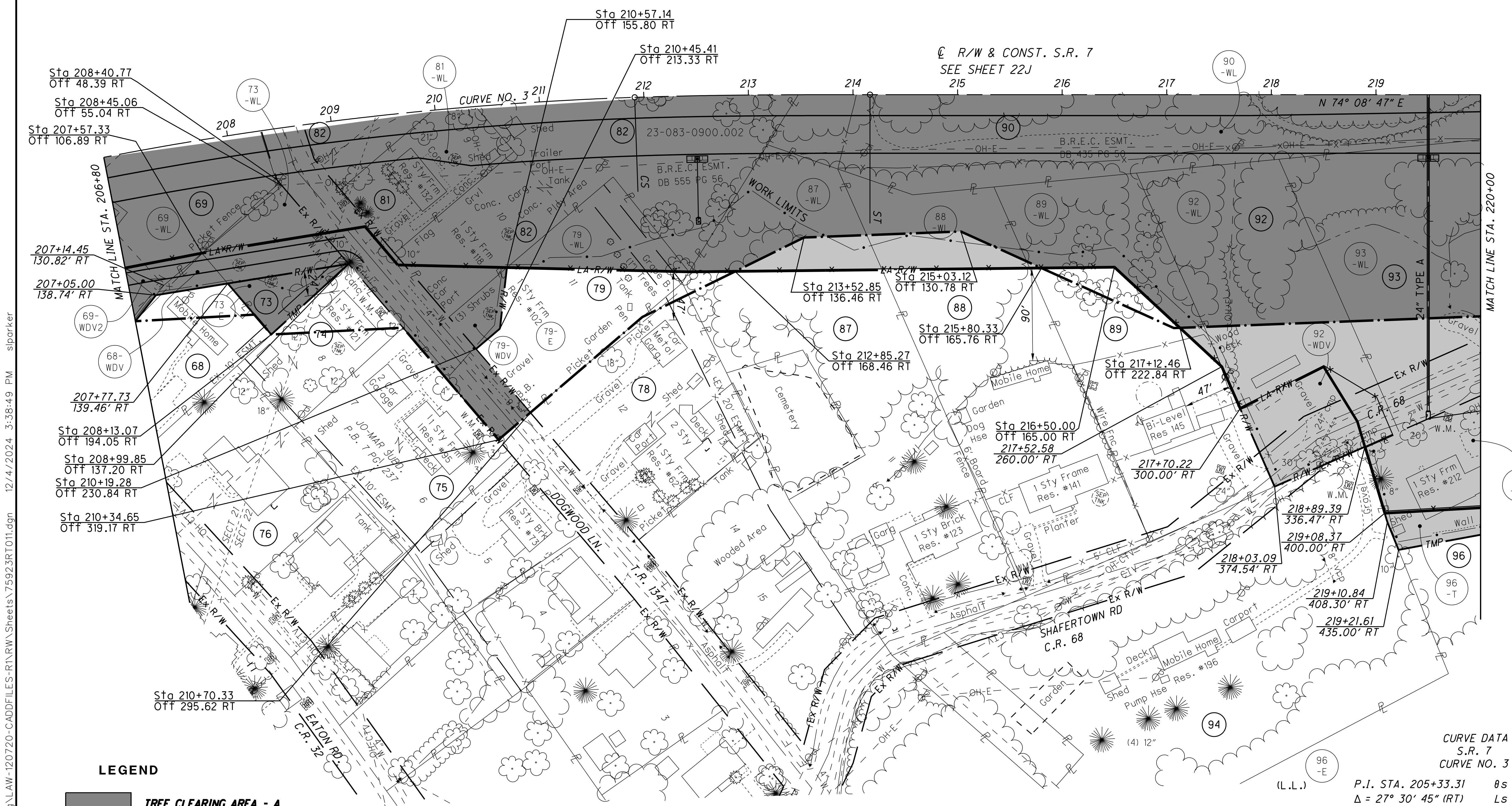
PID NO. 120720

R/W DESIGNER TDW  
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7  
STA. 206+80 TO STA. 220+00 (SOUTH)

LAW-7-2.17  
TREE CLEARING

22K  
1247



U:\173608714\Law-75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT011.dgn 12/4/2024 3:38:49 PM sbarker

LEGEND

- TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C  
CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-\*\* - POTENTIAL BAT HABITAT

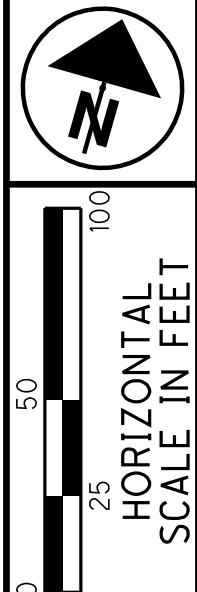
- |                        |                                     |  |
|------------------------|-------------------------------------|--|
| (68) WALTER L. PLUMLEY | (76) KAREN EVANS                    | (87) JAMES A. MONTGOMERY                       |
| (69) WALTER L. PLUMLEY | (78) NANCY MCKENZIE                 | (88) JAMES G. SMITH                            |
| (73) STATE OF OHIO     | (79) STATE OF OHIO                  | (89) FRANCIS JAMES BUDD &<br>BRANDY RENAY BUDD |
| (74) MARY R. SMITH     | (81) RAYMOND R. &<br>ALMA J. MCHONE | (90) BILL A. BROWN                             |
| (75) DONNA M. ADKINS   | (82) STATE OF OHIO                  | (92) JOHNNY E. &<br>JANIE E. SMITH             |

- |                               |                                     |  |
|-------------------------------|-------------------------------------|--|
| (93) JAMES H. &<br>ROSA SMITH | (94) CHARLES W. &<br>MAZIE L. RULEN | (96) MATTHEW SCOTT LUSHER<br>AND MARGARET MARTIN |
|-------------------------------|-------------------------------------|--|

CURVE DATA  
S.R. 7  
CURVE NO. 3  
  
(L.L.) P.I. STA. 205+33.31  $\theta_s = 1^\circ 58' 07''$   
 $\Delta = 27^\circ 30' 45''$  (RT)  $L_s = 225.00'$   
 $D_c = 1^\circ 45' 00''$   $T_s = 914.18'$   
 $R = 3,274.04'$   $LT = 150.01'$   
 $T = 683.24'$   $ST = 75.01'$   
 $L = 1,347.14'$   $CS STA. 211+91.27$   
 $E = 70.53'$   $ST STA. 214+16.27$   
 $TS STA. 196+19.13$   
 $SC STA. 198+44.13$

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 22, T-1-N, R-16-W

- 91 TRACEY & CAROL ELLIS
- 92 STATE OF OHIO
- 93 JAMES H. & ROSA SMITH
- 103A STATE OF OHIO
- 95 SHAWN L. STOWERS
- 103 GEORGE W. & MARILYN BLACK
- 96 MATTHEW SCOTT LUSHER AND MARGARET MARTIN
- 106 WILLIAM RICHARD HYSSELL
- 99 ANNICE BERRY



PID NO. **120720**

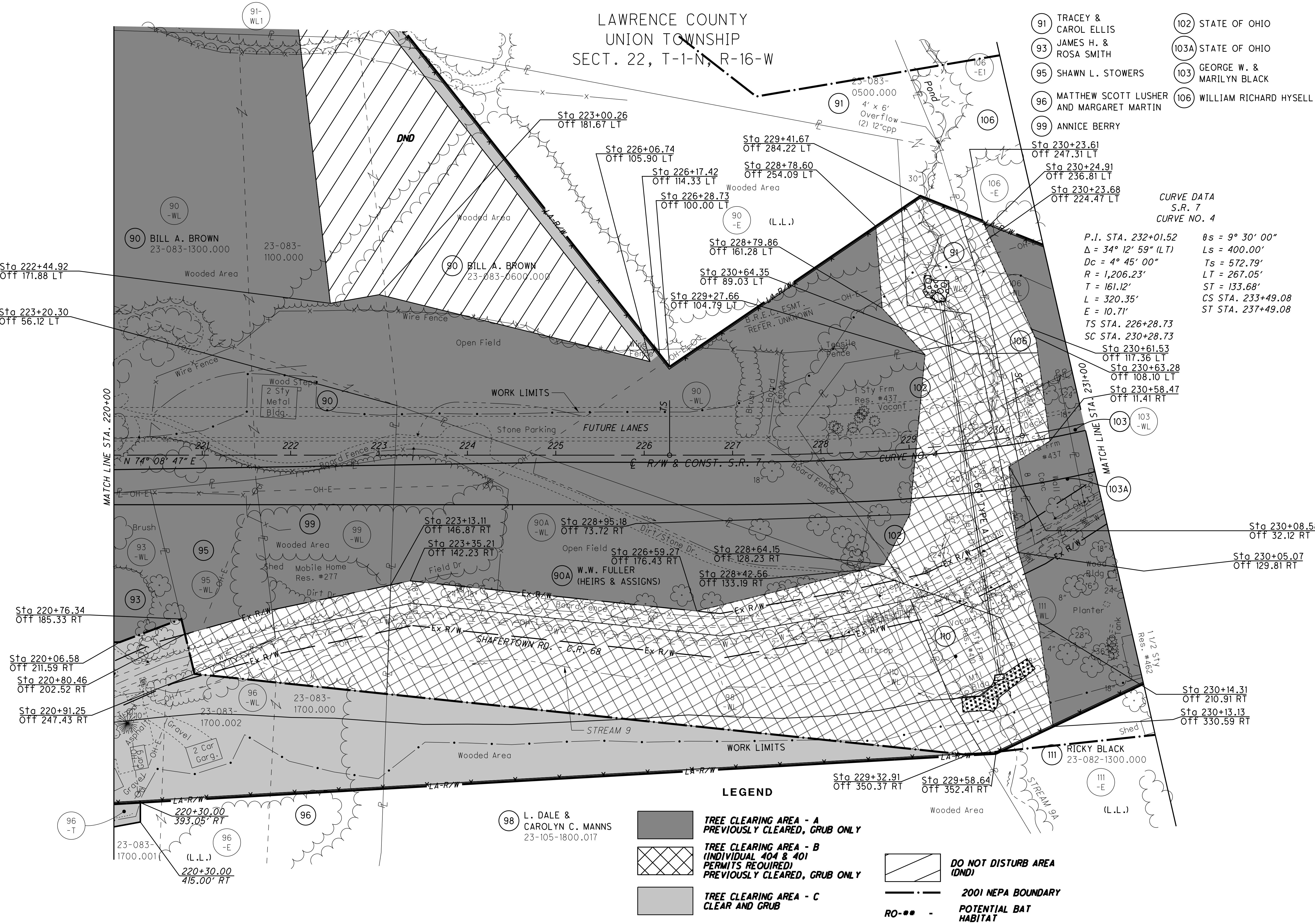
R/W DESIGNER TDW  
R/W REVIEWER JWH

**S.R. 7**

**TREE CLEARING PLAN - S.R. 7  
STA. 220+00 TO STA. 231+00**

**LAW-7-2.17  
TREE CLEARING**

22L  
1247



**CURVE DATA**  
S.R. 7  
CURVE NO. 4

P.I. STA. 232+01.52     $\theta_s = 9^\circ 30' 00''$   
 $\Delta = 34^\circ 12' 59''$  (LT)     $L_s = 400.00'$   
 $D_c = 4^\circ 45' 00''$      $T_s = 572.79'$   
 $R = 1,206.23'$      $LT = 267.05'$   
 $T = 161.12'$      $ST = 133.68'$   
 $L = 320.35'$     CS STA. 233+49.08  
 $E = 10.71'$     ST STA. 237+49.08

TS STA. 226+28.73  
 SC STA. 230+28.73

Sta 230+61.53    Off 117.36 LT  
 Sta 230+63.28    Off 108.10 LT  
 Sta 230+58.47    Off 11.41 RT

**LEGEND**

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R\RW\_Sheets\75923RT012.dgn 12/4/2024 3:38:50 PM siparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 22, T-1-N, R-16-W

- 103 GEORGE W. & MARILYN BLACK
- 106 WILLIAM RICHARD HYSSELL
- 108 DAVID A. PARSONS
- 111 RICKY BLACK
- 112 SHEILA ELLIS, DENNIS BLACK AND RANDY BLACK
- 114 PAUL & CAROL BLACK
- 118 STATE OF OHIO
- 119 CLINTON W. & BEULAH W. JUSTICE (H & W), JIMMIE L. JUSTICE, AND O. MICHAEL JUSTICE

**LEGEND**

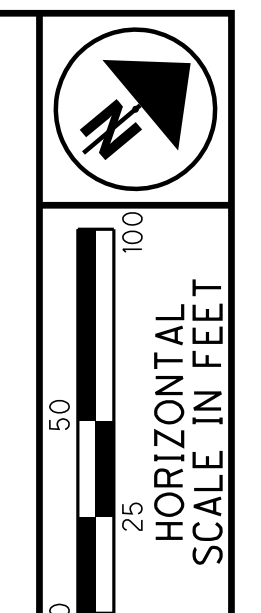
- TREE CLEARING AREA - A (PREVIOUSLY CLEARED, GRUB ONLY)**
- TREE CLEARING AREA - C (CLEAR AND GRUB)**
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY**
- DO NOT DISTURB AREA (DND)**
- 2001 NEPA BOUNDARY**
- POTENTIAL BAT HABITAT**

P.I. STA. 232+01.52  
 $\Delta = 34^\circ 12' 59''$  (LT)  
 $Dc = 4^\circ 45' 00''$   
 $R = 1,206.23'$   
 $T = 161.12'$   
 $L = 320.35'$   
 $E = 10.71'$   
 TS STA. 226+28.73  
 SC STA. 230+28.73

$\theta s = 9^\circ 30' 00''$   
 $Ls = 400.00'$   
 $Ts = 572.79'$   
 $LT = 267.05'$   
 $ST = 133.68'$   
 $CS STA. 233+49.08$   
 $ST STA. 237+49.08$

CURVE DATA  
 S.R. 7  
 CURVE NO. 4

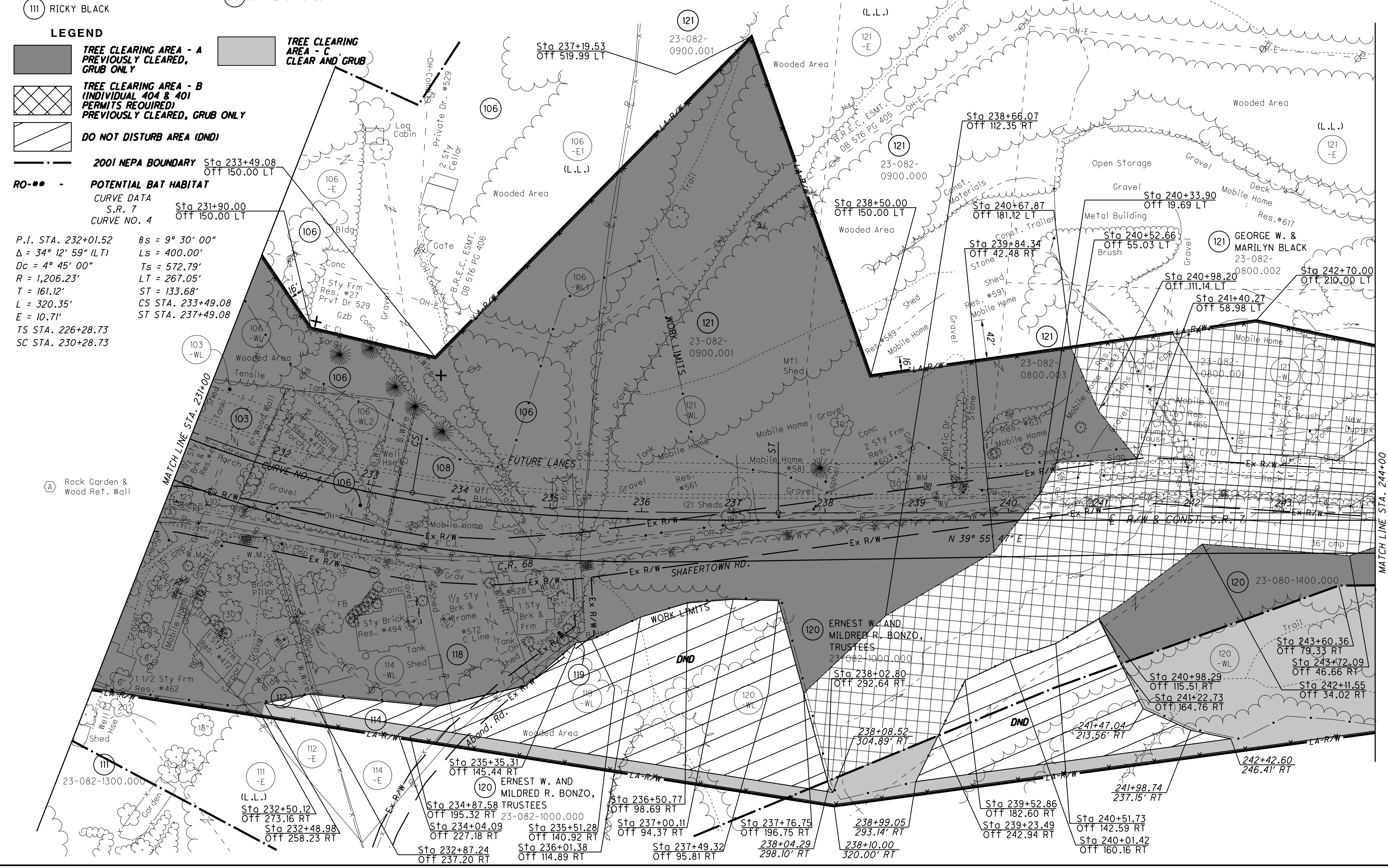
U:\173608714 LAW 759233 tree clearing LAW-120720-CADFILES-R\RM\Sheets\759233RT013.dgn 12/4/2024 3:38:51 PM sbarker



PID NO. **120720**  
 R/W DESIGNER TDW  
 R/W REVIEWER JWH

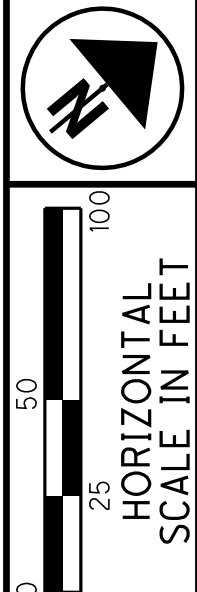
**TREE CLEARING PLAN - S.R. 7**  
**STA. 231+00 TO STA. 244+00**

**LAW-7-2.17**  
**TREE CLEARING**  
 22M  
 1247





LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 22, T-1-N, R-16-W

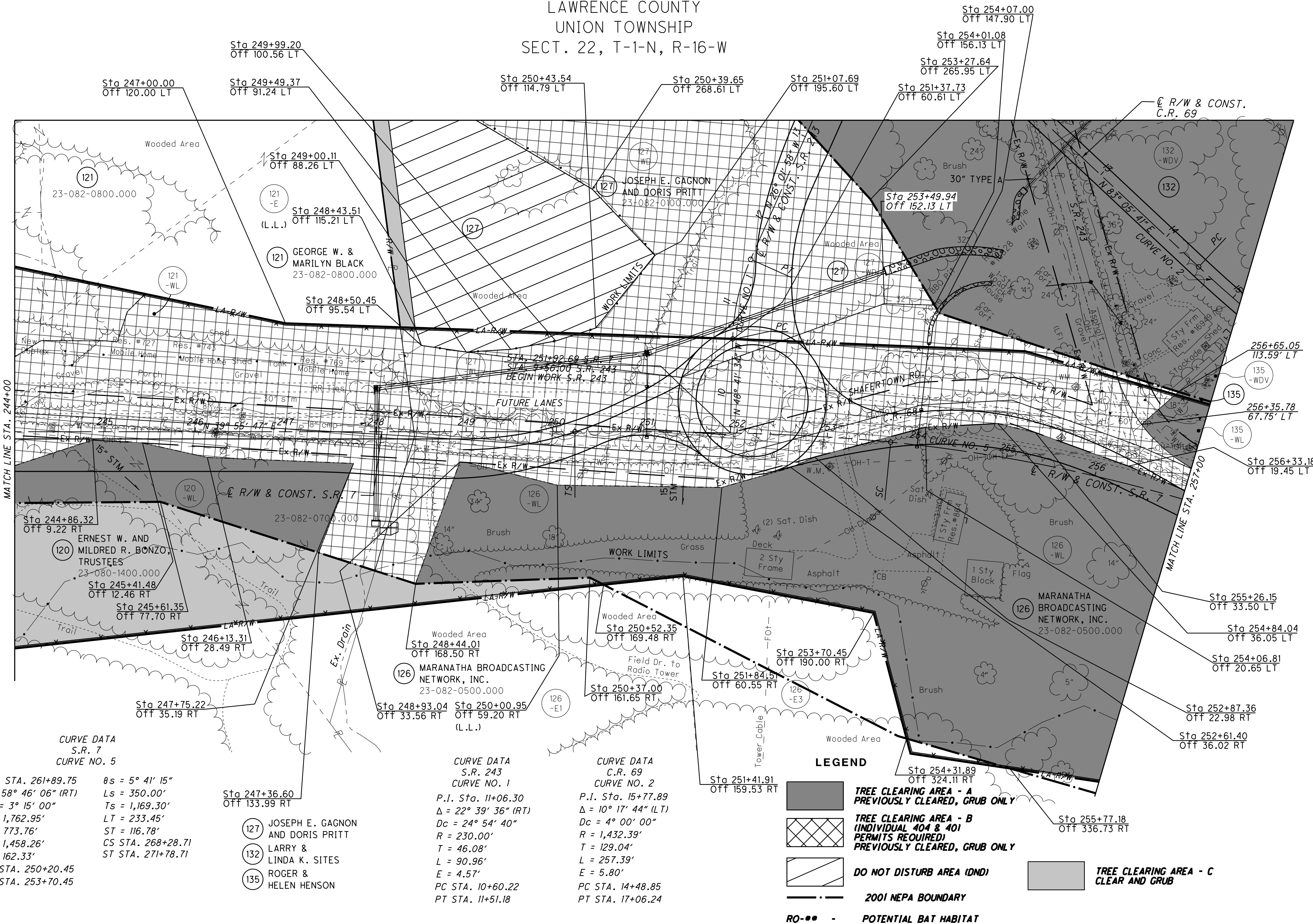


PID NO. **120720**  
R/W DESIGNER TDW  
R/W REVIEWER JQH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 244+00 TO STA. 257+00**

**LAW-7-2.17**  
**TREE CLEARING**

22N  
1247



CURVE DATA  
S.R. 7  
CURVE NO. 5

P.I. STA. 261+89.75  
Δ = 58° 46' 06" (RT)  
Dc = 3° 15' 00"  
R = 1,762.95'  
T = 773.76'  
L = 1,458.26'  
E = 162.33'  
TS STA. 250+20.45  
SC STA. 253+70.45

θs = 5° 41' 15"  
Ls = 350.00'  
Ts = 1,169.30'  
LT = 233.45'  
ST = 116.78'  
CS STA. 268+28.71  
ST STA. 271+78.71



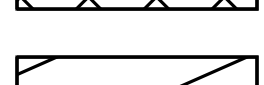



CURVE DATA  
S.R. 243  
CURVE NO. 1

P.I. Sta. 11+06.30  
Δ = 22° 39' 36" (RT)  
Dc = 24° 54' 40"  
R = 230.00'  
T = 46.08'  
L = 90.96'  
E = 4.57'  
PC STA. 10+60.22  
PT STA. 11+51.18

CURVE DATA  
C.R. 69  
CURVE NO. 2

P.I. Sta. 15+77.89  
Δ = 10° 17' 44" (LT)  
Dc = 4° 00' 00"  
R = 1,432.39'  
T = 129.04'  
L = 257.39'  
E = 5.80'  
PC STA. 14+48.85  
PT STA. 17+06.24

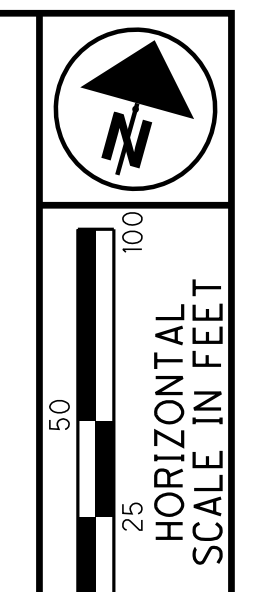
**LEGEND**

-  **TREE CLEARING AREA - A**  
**PREVIOUSLY CLEARED, GRUB ONLY**
-  **TREE CLEARING AREA - B**  
**(INDIVIDUAL 404 & 401**  
**PERMITS REQUIRED)**  
**PREVIOUSLY CLEARED, GRUB ONLY**
-  **DO NOT DISTURB AREA (DND)**
-  **2001 NEPA BOUNDARY**
-  **TREE CLEARING AREA - C**  
**CLEAR AND GRUB**
-  **POTENTIAL BAT HABITAT**

U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R\RW\_Sheets\75923RT014.dgn 12/4/2024 3:38:52 PM sparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 15 & 22, T-1-N, R-16-W

- 132 LARRY & LINDA K. SITES
- 133 CARL & NANCY DANFORD
- 134 DARRELL HARDY
- 135 ROGER & HELEN HENSON
- 136 CARL & NANCY DANFORD
- 137 STATE OF OHIO
- 138 STATE OF OHIO
- 139 FRED HENSON, JR.
- 140 STATE OF OHIO
- 141 STATE OF OHIO



PID NO. **120720**  
R/W DESIGNER TDW  
R/W REVIEWER JQH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 257+00 TO STA. 266+99.95**

**LAW-7-2.17**  
**TREE CLEARING**



**CURVE DATA**  
C.R. 69  
CURVE NO. 2  
P.I. Sta. 15+77.89  
 $\Delta = 10^\circ 17' 44''$  (LT)  
 $D_c = 4^\circ 00' 00''$   
 $R = 1,432.39'$   
 $T = 129.04'$   
 $L = 257.39'$   
 $E = 5.80'$   
PC Sta. 14+48.85  
PT Sta. 17+06.24

**CURVE DATA**  
C.R. 69  
CURVE NO. 3  
P.I. Sta. 25+76.25  
 $\Delta = 22^\circ 45' 00''$  (RT)  
 $D_c = 1^\circ 45' 00''$   
 $R = 3,274.04'$   
 $T = 658.68'$   
 $L = 1,300.00'$   
 $E = 65.60'$   
TS STA. 17+89.74  
SC STA. 19+14.74

**CURVE DATA**  
S.R. 7  
CURVE NO. 5  
P.I. STA. 261+89.75  
 $\Delta = 58^\circ 46' 06''$  (RT)  
 $D_c = 3^\circ 15' 00''$   
 $R = 1,762.95'$   
 $T = 773.76'$   
 $L = 1,458.26'$   
 $E = 162.33'$   
TS STA. 250+20.45  
SC STA. 253+70.45

$\theta_s = 1^\circ 05' 37''$   
 $L_s = 125.00'$   
 $T_s = 786.51'$   
 $LT = 83.33'$   
 $ST = 41.67'$   
CS STA. 32+14.74  
ST STA. 33+39.74

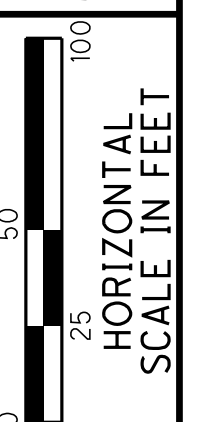
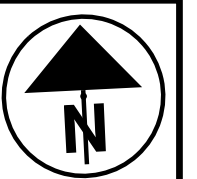
$\theta_s = 5^\circ 41' 15''$   
 $L_s = 350.00'$   
 $T_s = 1,169.30'$   
 $LT = 233.45'$   
 $ST = 116.78'$   
CS STA. 268+28.71  
ST STA. 271+78.71

- LEGEND**
- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
  - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
  - TREE CLEARING AREA - C CLEAR AND GRUB
  - DO NOT DISTURB AREA (DND)
  - 2001 NEPA BOUNDARY
  - POTENTIAL BAT HABITAT

U:\173608714\Law\75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT016.dgn 12/4/2024 3:38:54 PM siparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 14, 15 & 22 T-1-N, R-16-W

FOR LOCATION AND TYPE OF LA-R/W FENCE  
SEE THE TABLE IN THE ROADWAY PLAN



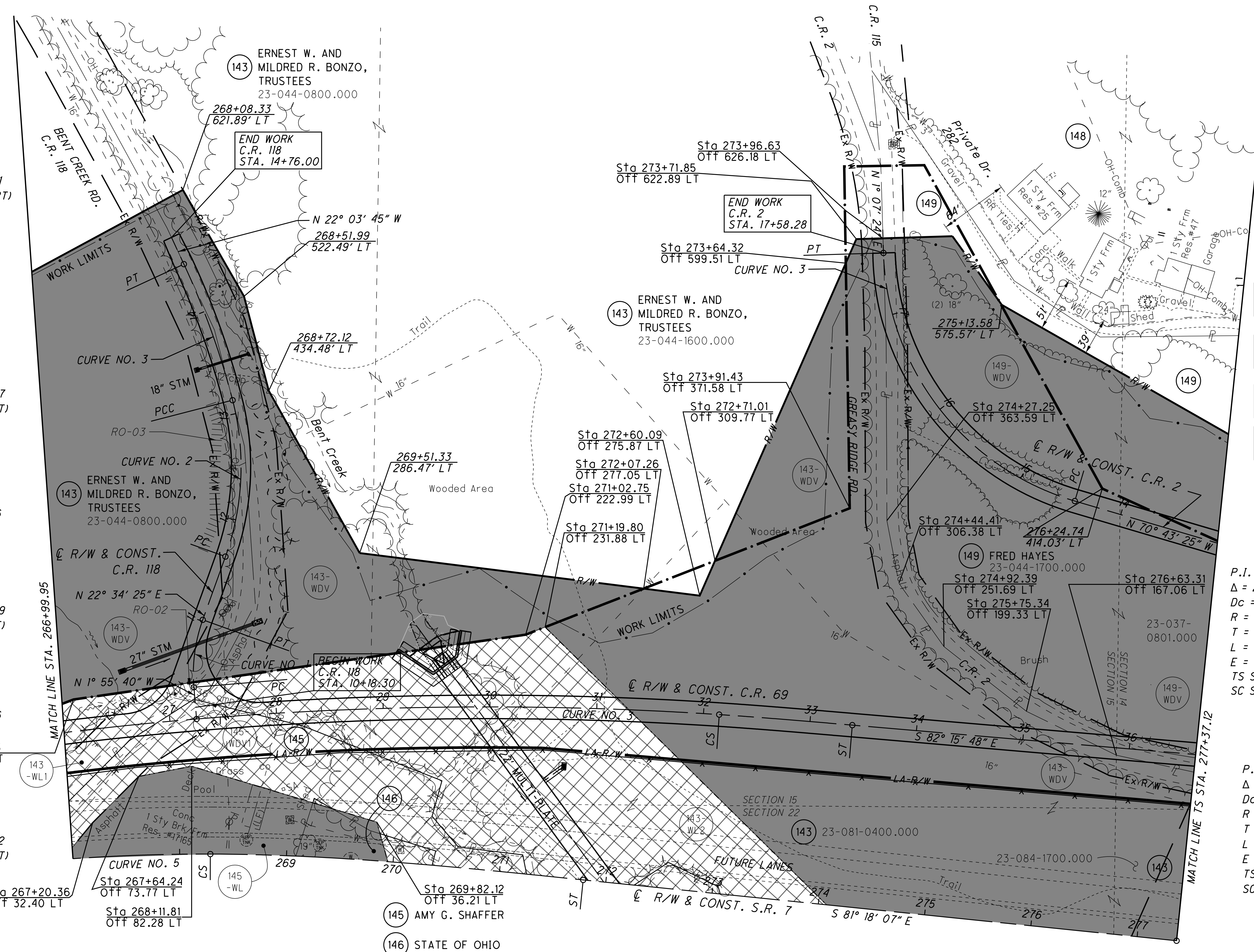
PID NO.  
**120720**

R/W DESIGNER TDW  
R/W REVIEWER JDH

**TREE CLEARING PLAN - S.R. 7**  
STA. 266+99.95 TO STA. 277+37.12 (NORTH)

**LAW-7-2.17**  
**TREE CLEARING**

220  
1247



**CURVE DATA**  
C.R. 118  
CURVE NO. 1  
P.I. Sta. 10+69.71  
 $\Delta = 24^\circ 30' 05''$  (RT)  
 $D_c = 38^\circ 11' 50''$   
 $R = 150.00'$   
 $T = 32.57'$   
 $L = 64.14'$   
 $E = 3.49'$   
PC STA. 10+37.14  
PT STA. 11+01.28

**CURVE DATA**  
C.R. 118  
CURVE NO. 2  
P.I. STA. 12+40.87  
 $\Delta = 34^\circ 13' 00''$  (LT)  
 $D_c = 23^\circ 00' 00''$   
 $R = 249.11'$   
 $T = 76.68'$   
 $L = 148.77'$   
 $E = 11.53'$   
PC STA. 11+64.19  
PCC STA. 13+12.96

**CURVE DATA**  
C.R. 118  
CURVE NO. 3  
P.I. STA. 13+80.89  
 $\Delta = 10^\circ 25' 10''$  (LT)  
 $D_c = 7^\circ 41' 27''$   
 $R = 745.00'$   
 $T = 67.93'$   
 $L = 135.48'$   
 $E = 3.09'$   
PCC STA. 13+12.96  
PT STA. 14+48.44

**CURVE DATA**  
C.R. 2  
CURVE NO. 3  
P.I. Sta. 16+25.92  
 $\Delta = 71^\circ 50' 49''$  (RT)  
 $D_c = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 181.13'$   
 $L = 313.49'$   
 $E = 58.72'$   
PC Sta. 14+44.79  
PT Sta. 17+58.28

**CURVE DATA**  
C.R. 118  
CURVE NO. 2  
P.I. STA. 13+80.89  
 $\Delta = 10^\circ 25' 10''$  (LT)  
 $D_c = 7^\circ 41' 27''$   
 $R = 745.00'$   
 $T = 67.93'$   
 $L = 135.48'$   
 $E = 3.09'$   
PCC STA. 13+12.96  
PT STA. 14+48.44

**CURVE DATA**  
C.R. 118  
CURVE NO. 5  
P.I. STA. 16+25.92  
 $\Delta = 71^\circ 50' 49''$  (RT)  
 $D_c = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 181.13'$   
 $L = 313.49'$   
 $E = 58.72'$   
PC Sta. 14+44.79  
PT Sta. 17+58.28

- LEGEND**
- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
  - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
  - TREE CLEARING AREA - C CLEAR AND GRUB
  - DO NOT DISTURB AREA (DND)
  - 2001 NEPA BOUNDARY
  - RO-\*\*- POTENTIAL BAT HABITAT

**CURVE DATA**  
C.R. 69  
CURVE NO. 3  
P.I. Sta. 25+76.25  
 $\Delta = 22^\circ 45' 00''$  (RT)  
 $D_c = 1^\circ 45' 00''$   
 $R = 3,274.04'$   
 $T = 658.68'$   
 $L = 1,300.00'$   
 $E = 65.60'$   
TS STA. 17+89.74  
SC STA. 19+14.74

$\theta_s = 1^\circ 05' 37''$   
 $L_s = 125.00'$   
 $T_s = 786.51'$   
 $LT = 83.33'$   
 $ST = 41.67'$   
CS Sta. 32+14.74  
ST Sta. 33+39.74

**CURVE DATA**  
S.R. 7  
CURVE NO. 5  
P.I. STA. 261+89.75  
 $\Delta = 58^\circ 46' 06''$  (RT)  
 $D_c = 3^\circ 15' 00''$   
 $R = 1,762.95'$   
 $T = 773.76'$   
 $L = 1,458.26'$   
 $E = 162.33'$   
TS STA. 250+20.45  
SC STA. 253+70.45

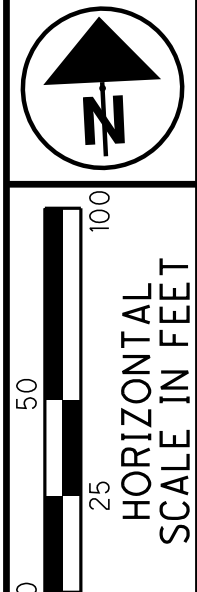
$\theta_s = 5^\circ 41' 15''$   
 $L_s = 350.00'$   
 $T_s = 1,169.30'$   
 $LT = 233.45'$   
 $ST = 116.78'$   
CS STA. 268+28.71  
ST STA. 271+78.71

U:\173608714.LAW\75923\tree\_clearing.LAW-120720-CADDFILES-R1\RW\_Sheets\75923RT018.dgn 12/4/2024 3:38:55 PM siparker

LAWRENCE COUNTY  
 UNION TOWNSHIP  
 SECT. 22 & 23, T-1-N, R-16-W

CURVE DATA  
 S.R. 7  
 CURVE NO. 5

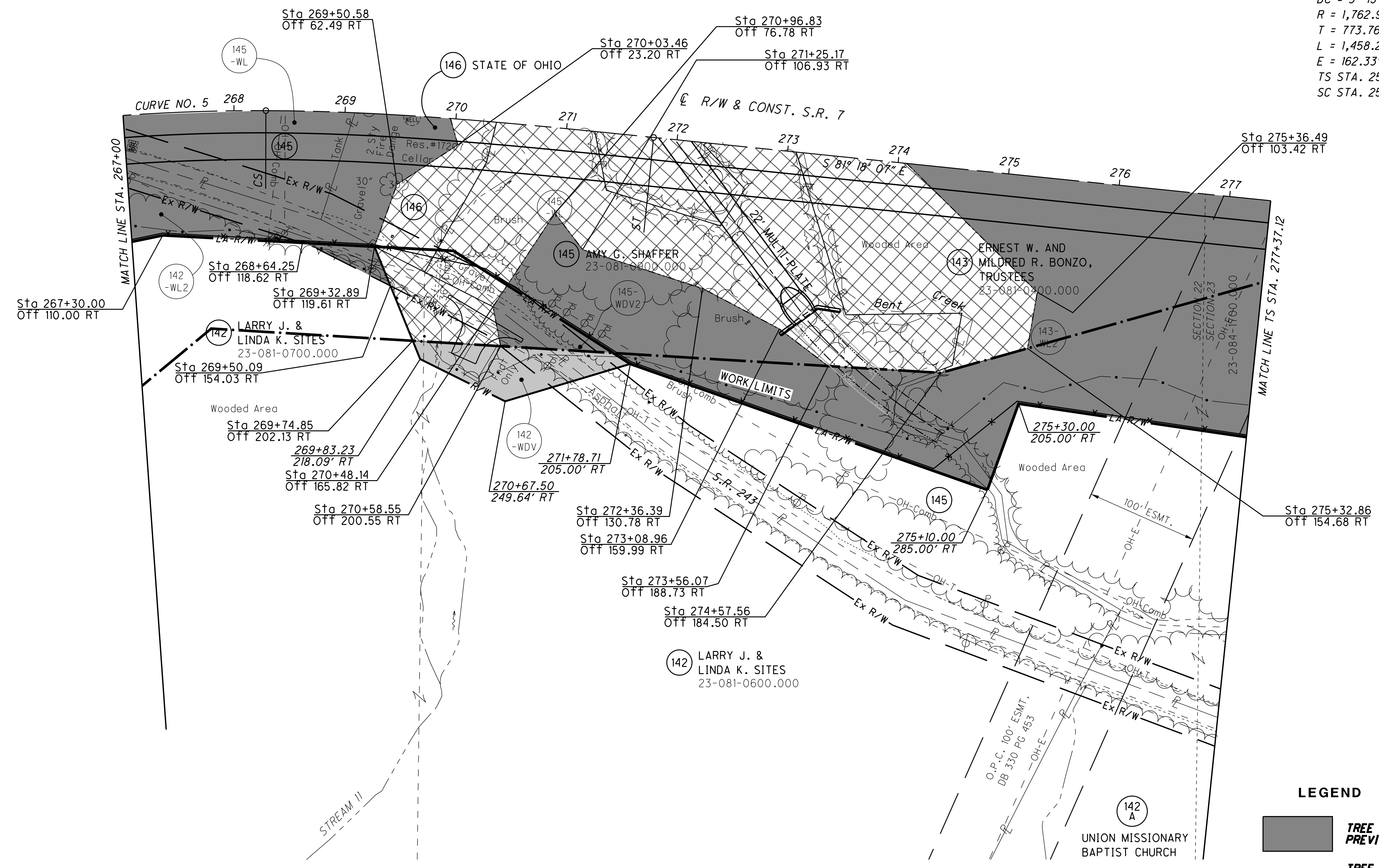
P.I. STA. 261+89.75     $\theta s = 5^{\circ} 41' 15''$   
 $\Delta = 58^{\circ} 46' 06''$  (RT)     $Ls = 350.00'$   
 $Dc = 3^{\circ} 15' 00''$      $Ts = 1,169.30'$   
 $R = 1,762.95'$      $LT = 233.45'$   
 $T = 773.76'$      $ST = 116.78'$   
 $L = 1,458.26'$      $CS STA. 268+28.71$   
 $E = 162.33'$      $ST STA. 271+78.71$   
 $TS STA. 250+20.45$   
 $SC STA. 253+70.45$



PID NO. **120720**  
 R/W DESIGNER TDW  
 R/W REVIEWER JHJ

**TREE CLEARING PLAN - S.R. 7**  
**STA. 267+00 TO STA. 277+37.12 (SOUTH)**

**LAW-7-2.17**  
**TREE CLEARING**  
 22R  
 1247



**LEGEND**

- TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401 PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C  
CLEARING AND GRUBBING
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

U:\173608714\Law\759233\tree\_clearing\Law-120720-CADDFILES-R\RW\Sheets\759233RT019.dgn 12/4/2024 3:38:56 PM sparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 14 & 23, T-1-N, R-16-W

CURVE DATA  
C.R. 69  
CURVE NO. 4

P.I. STA. 42+81.74  
 $\Delta = 4^\circ 32' 03''$  (LT)  
 $Dc = 0^\circ 30' 00''$   
 $R = 11,459.16'$   
 $T = 453.67'$   
 $L = 906.86'$   
 $E = 8.98'$   
 $e_{max} = 1.60\%$   
PC STA. 38+28.07  
PT STA. 47+34.93

CURVE DATA  
C.R. 2  
CURVE NO. 1

P.I. Sta. 10+85.37  
 $\Delta = 42^\circ 28' 52''$  (LT)  
 $Dc = 38^\circ 11' 49''$   
 $R = 150.00'$   
 $T = 58.30'$   
 $L = 111.21'$   
 $E = 10.93'$   
PC Sta. 10+27.07  
PCC Sta. 11+38.28

CURVE DATA  
C.R. 2  
CURVE NO. 2

P.I. Sta. 12+19.19  
 $\Delta = 35^\circ 52' 10''$  (LT)  
 $Dc = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 80.91'$   
 $L = 156.51'$   
 $E = 12.77'$   
PCC Sta. 11+38.28  
PT Sta. 12+94.79

CURVE DATA  
C.R. 69  
CURVE NO. 4

P.I. STA. 42+81.74  
 $\Delta = 4^\circ 32' 03''$  (LT)  
 $Dc = 0^\circ 30' 00''$   
 $R = 11,459.16'$   
 $T = 453.67'$   
 $L = 906.86'$   
 $E = 8.98'$   
PC STA. 38+28.07  
PT STA. 47+34.93

- 143 ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- 147 CHARLES MAYENSCHIN AND NORMA MAYENSCHIN
- 148 WILLIAM W. ELDER, JR. & BETTY T. ELDER

- 149 FRED HAYES
- 150 MARY MASSIE

- 153 ROMAINE A. MARTING
- 155 ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- 157 MICHAEL J. RILEY

- 156 CARL & FAYE MAYENSCHIN  
23-038-1000.001

LEGEND

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

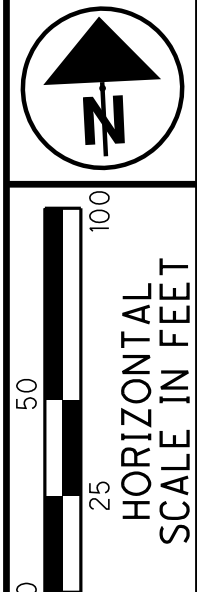
CURVE DATA  
S.R. 7  
CURVE NO. 6

P.I. STA. 280+92.68  
 $\Delta = 5^\circ 51' 21''$  (RT)  
 $Dc = 1^\circ 00' 00''$   
 $R = 5,729.58'$   
 $T = 230.42'$   
 $L = 460.59'$   
 $E = 4.63'$   
TS STA. 277+37.12  
SC STA. 278+62.12

P.I. STA. 280+92.68  
 $\theta s = 0^\circ 37' 30''$   
 $Ls = 125.00'$   
 $Ts = 355.56'$   
 $LT = 83.33'$   
 $ST = 41.67'$   
CS STA. 283+22.71  
ST STA. 284+47.71

**CAUTION:**  
APPROX. LOCATION OF ABANDONED NATURAL GAS WELL. API WELL NUMBER 34087600970000. LOCATION REPORTED AT 38.457105, -82.408853. PLUGGED AND ABANDONED 1952. SEE SPECIAL PROVISION.

U:\173608714.LAW\759233.tree clearing.LAW-120720-CADFILES-R1\RW\_Sheets\759233RT020.dgn 12/4/2024 3:38:57 PM siparker



PID NO. 120720

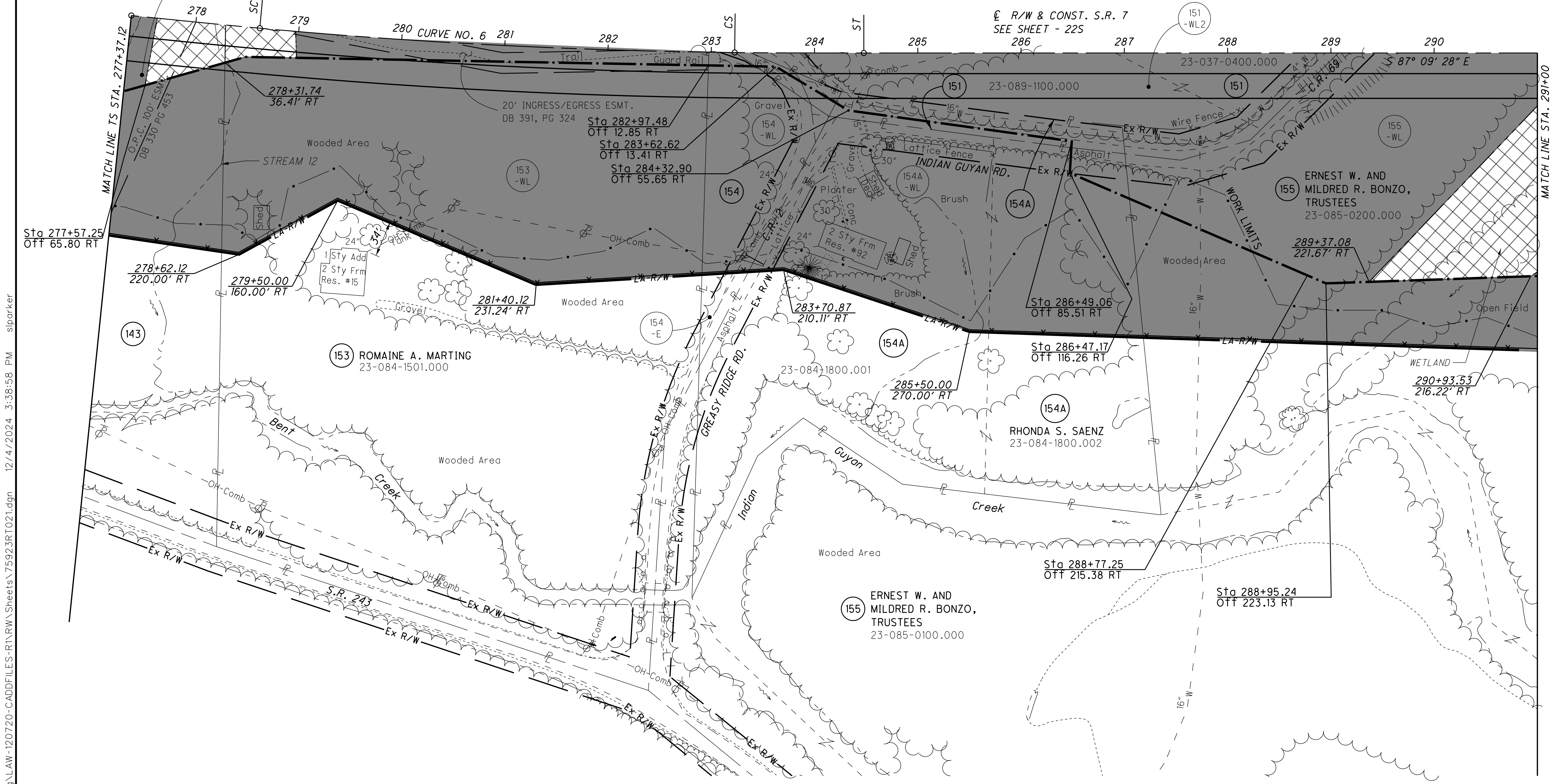
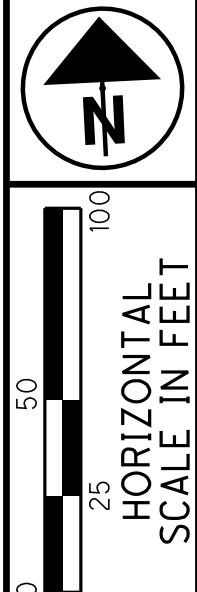
R/W DESIGNER TDW  
R/W REVIEWER JDH

TREE CLEARING PLAN - S.R. 7  
STA. 277+37.12 TO STA. 291+00 (NORTH)

LAW-7-2.17  
TREE CLEARING

225  
1247

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 23, T-1-N, R-16-W



CURVE DATA  
S.R. 7  
CURVE NO. 6

P.I. STA. 280+92.68     $\theta_s = 0^\circ 37' 30''$   
 $\Delta = 5^\circ 51' 21''$  (RT)     $L_s = 125.00'$   
 $D_c = 1^\circ 00' 00''$      $T_s = 355.56'$   
 $R = 5,729.58'$      $LT = 83.33'$   
 $T = 230.42'$      $ST = 41.67'$   
 $L = 460.59'$     CS STA. 283+22.71  
 $E = 4.63'$     ST STA. 284+47.71  
 TS STA. 277+37.12  
 SC STA. 278+62.12

- (143) ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- (151) ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- (154) DANNY HOLSCHUH

LEGEND

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-\*\* - POTENTIAL BAT HABITAT

U:\173608714\Law-75923\tree\_clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT021.dgn 12/4/2024 3:38:58 PM siparker

PID NO.  
**120720**

R/W DESIGNER TDW  
R/W REVIEWER JWH






**TREE CLEARING PLAN - S.R. 7**  
**STA. 277+37.12 TO STA. 291+00 (SOUTH)**

**LAW-7-2.17**  
**TREE CLEARING**

22T  
1247

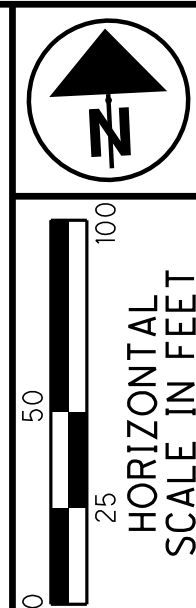
LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 14 & 23, T-1-N, R-16-W

LEGEND

-  TREE CLEARING AREA - A  
PREVIOUSLY CLEARED,  
GRUB ONLY
-  TREE CLEARING AREA - C  
CLEAR AND GRUB
-  DO NOT DISTURB AREA (DND)
-  2001 NEPA BOUNDARY
-  POTENTIAL BAT HABITAT

TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED,  
GRUB ONLY

CURVE DATA  
C.R. 69  
CURVE NO. 5  
P.I. STA. 56+05.43  
 $\Delta = 56^\circ 46' 59''$  (RT)  
 $Dc = 38^\circ 11' 50''$   
 $R = 150.00'$   
 $T = 81.08'$   
 $L = 148.66'$   
 $E = 20.51'$   
PC STA. 55+24.35  
PT STA. 56+73.01



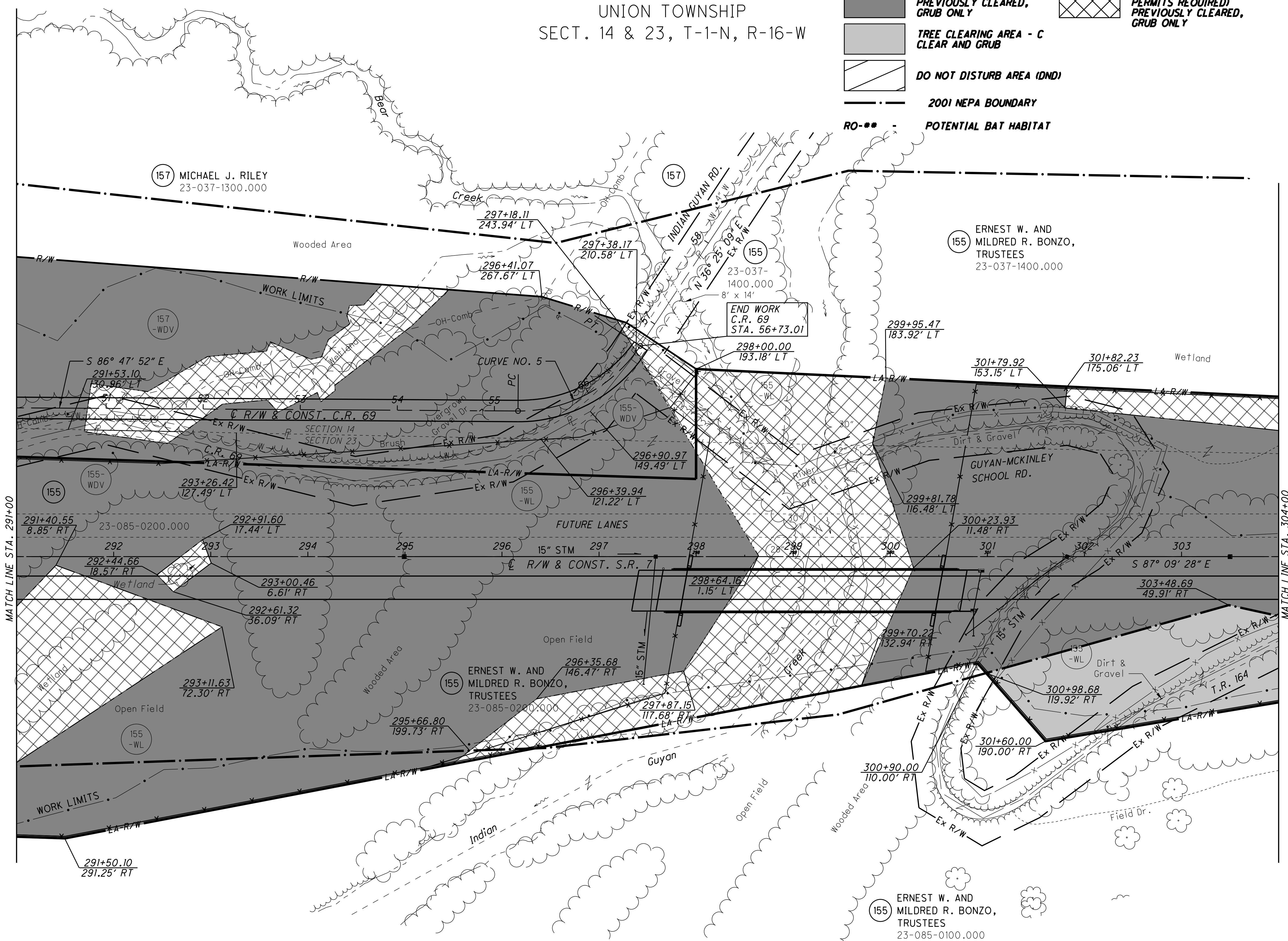
PID NO.  
**120720**

R/W DESIGNER TDW  
R/W REVIEWER JDH

TREE CLEARING PLAN - S.R. 7  
STA. 291+00 TO STA. 304+00




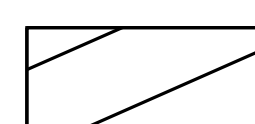


LAW-7-2.17  
TREE CLEARING

22U  
1247



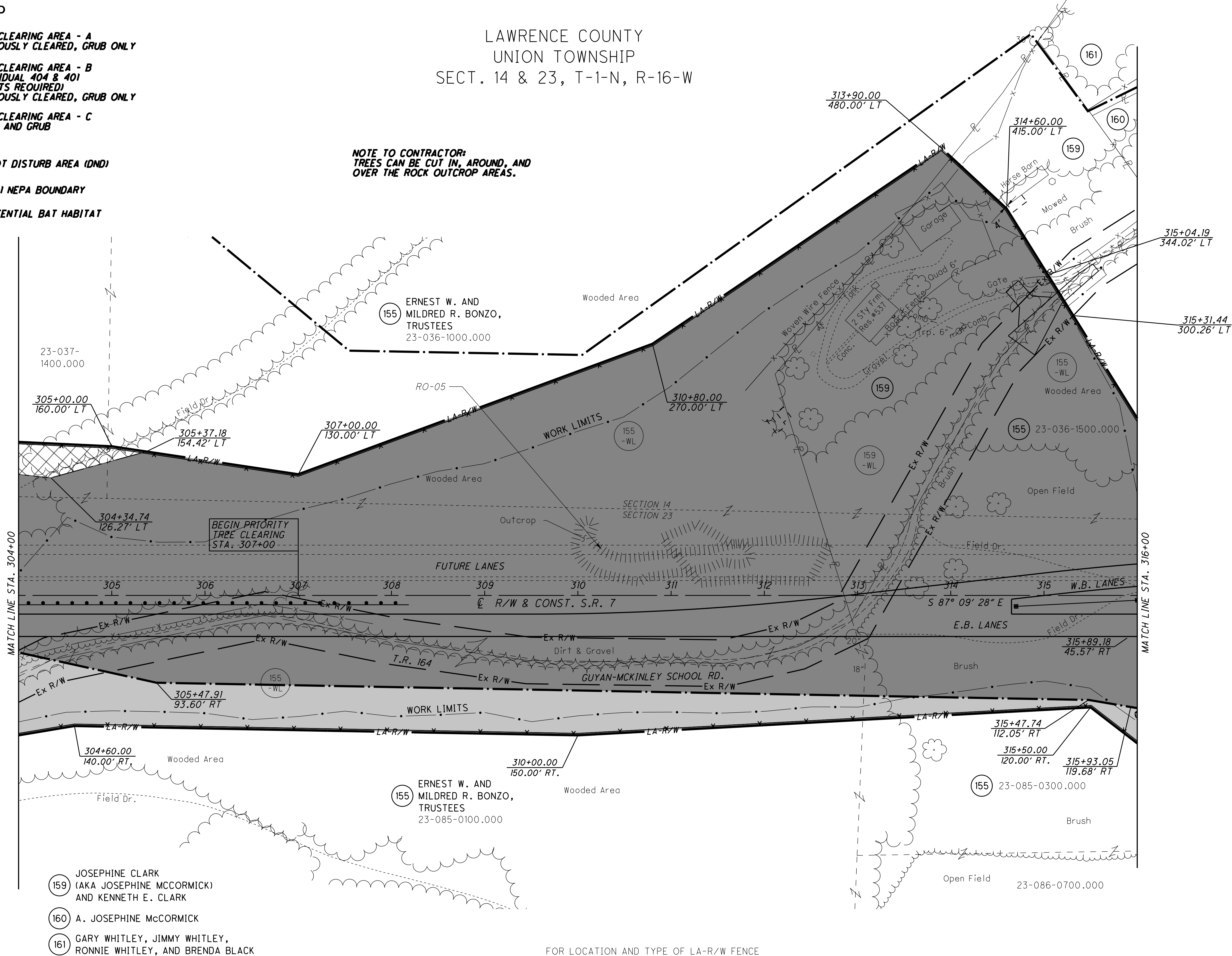
U:\173608714\LAW\75923\tree\_clearing\LAW-120720-CADFILES-R\RW\_Sheets\75923RT022.dgn 12/4/2024 3:38:59 PM sparker

**LEGEND**

-  TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
-  TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
-  TREE CLEARING AREA - C  
CLEAR AND GRUB
-  DO NOT DISTURB AREA (DND)
-  2001 NEPA BOUNDARY
-  RO-\*\*\* - POTENTIAL BAT HABITAT

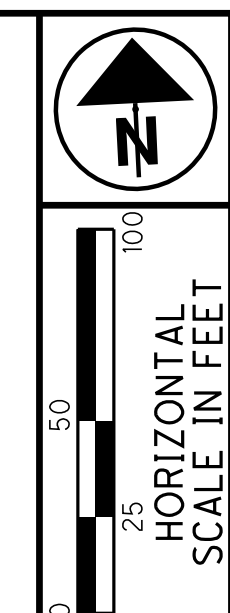
LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 14 & 23, T-1-N, R-16-W

**NOTE TO CONTRACTOR:**  
TREES CAN BE CUT IN, AROUND, AND  
OVER THE ROCK OUTCROP AREAS.



- (159) JOSEPHINE CLARK  
(AKA JOSEPHINE MCCORMICK)  
AND KENNETH E. CLARK
- (160) A. JOSEPHINE MCCORMICK
- (161) GARY WHITLEY, JIMMY WHITLEY,  
RONNIE WHITLEY, AND BRENDA BLACK

FOR LOCATION AND TYPE OF LA-R/W FENCE  
SEE THE TABLE IN THE ROADWAY PLAN



PID NO. **120720**  
R/W DESIGNER TDW  
R/W REVIEWER JDH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 304+00 TO STA. 316+00**

**LAW-7-2.17**  
**TREE CLEARING**

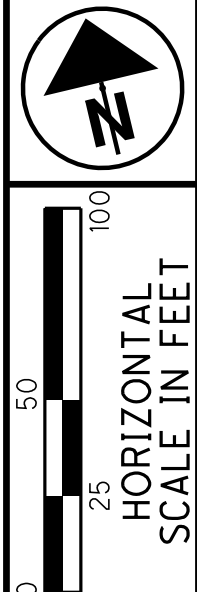
22V  
1247

U:\173608714\Law\759233\tree\_clearing\Law-120720-CADDFILES-R\RW\_Sheets\759233RT023.dgn 12/4/2024 3:39:00 PM siparker



LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 14 & 23, T-1-N, R-16-W

160 A. JOSEPHINE MCCORMICK  
161 KEVIN L. & SHERRI L. SALYER



PID NO. 120720  
R/W DESIGNER TDW  
R/W REVIEWER JWH

**NOTE TO CONTRACTOR:**  
TREES CAN BE CUT IN, AROUND, AND  
OVER THE ROCK OUTCROP AREAS.

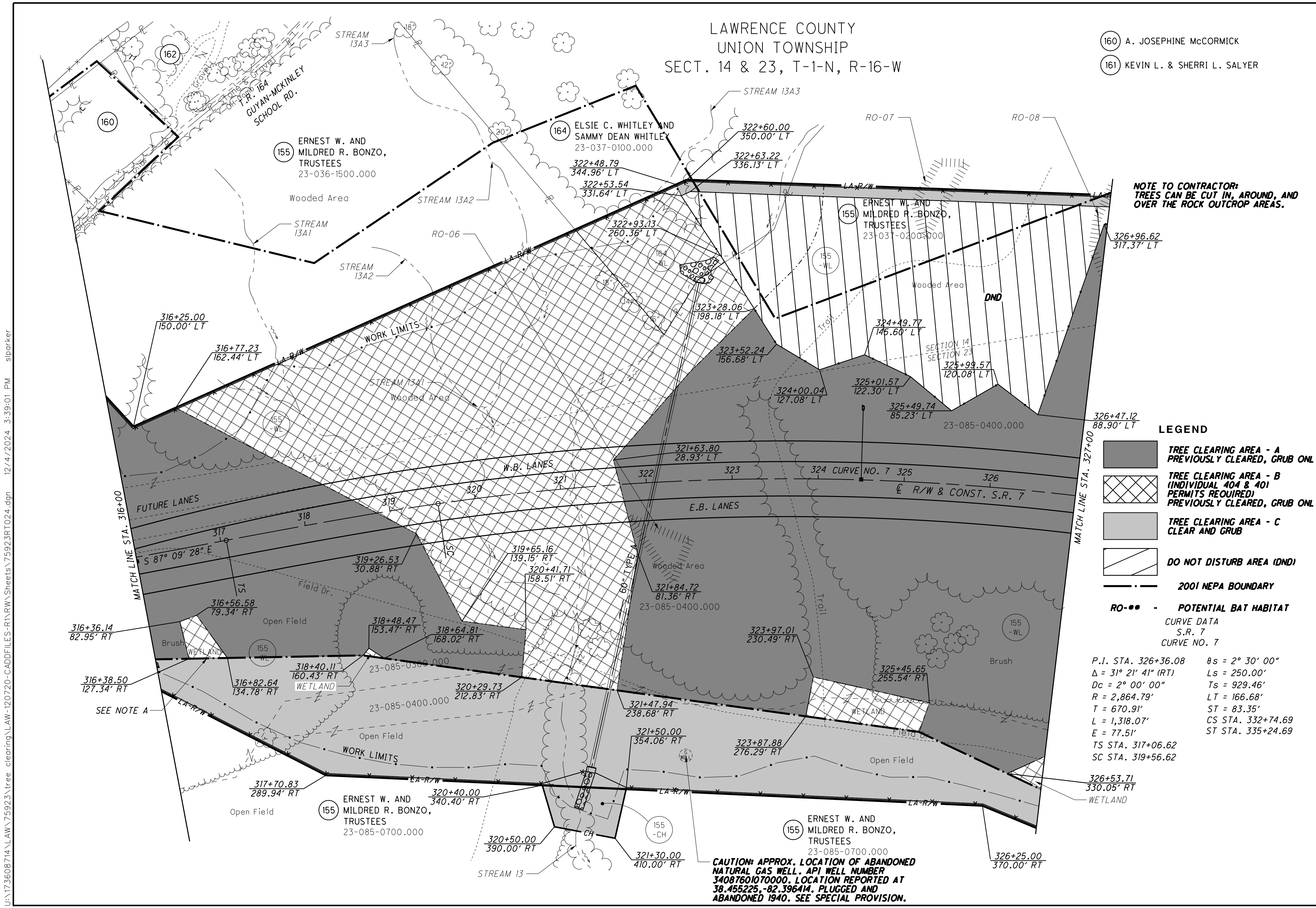
**LEGEND**

- TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C  
CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

**CURVE DATA**  
S.R. 7  
CURVE NO. 7

P.I. STA. 326+36.08       $\theta_s = 2^\circ 30' 00''$   
 $\Delta = 31^\circ 21' 41''$  (RT)       $L_s = 250.00'$   
 $D_c = 2^\circ 00' 00''$        $T_s = 929.46'$   
 $R = 2,864.79'$        $LT = 166.68'$   
 $T = 670.91'$        $ST = 83.35'$   
 $L = 1,318.07'$       CS STA. 332+74.69  
 $E = 77.51'$       ST STA. 335+24.69  
 TS STA. 317+06.62  
 SC STA. 319+56.62

U:\173608714\Law\759233\tree clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT024.dgn 12/4/2024 3:39:01 PM siparker



**CAUTION: APPROX. LOCATION OF ABANDONED  
NATURAL GAS WELL. API WELL NUMBER  
34087601070000. LOCATION REPORTED AT  
38.455225, -82.396414. PLUGGED AND  
ABANDONED 1940. SEE SPECIAL PROVISION.**

**TREE CLEARING PLAN - S.R. 7  
STA. 316+00 TO STA. 327+00**

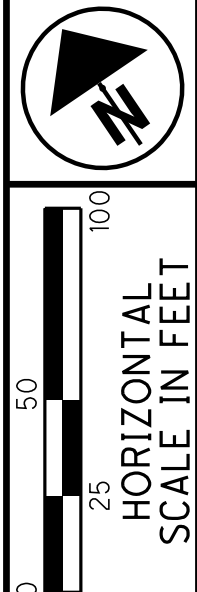
**LAW-7-2.17  
TREE CLEARING**

22W  
1247

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 13, 14, 23, & 24  
T-1-N, R-16-W

CURVE DATA  
S.R. 7  
CURVE NO. 7

P.I. STA. 326+36.08  $\theta_s = 2^\circ 30' 00''$   
 $\Delta = 31^\circ 21' 41''$  (RT)  $L_s = 250.00'$   
 $D_c = 2^\circ 00' 00''$   $T_s = 929.46'$   
 $R = 2,864.79'$   $LT = 166.68'$   
 $T = 670.91'$   $ST = 83.35'$   
 $L = 1,318.07'$   $CS$  STA. 332+74.69  
 $E = 77.51'$   $ST$  STA. 335+24.69  
 $TS$  STA. 317+06.62  
 $SC$  STA. 319+56.62



PID NO. 120720

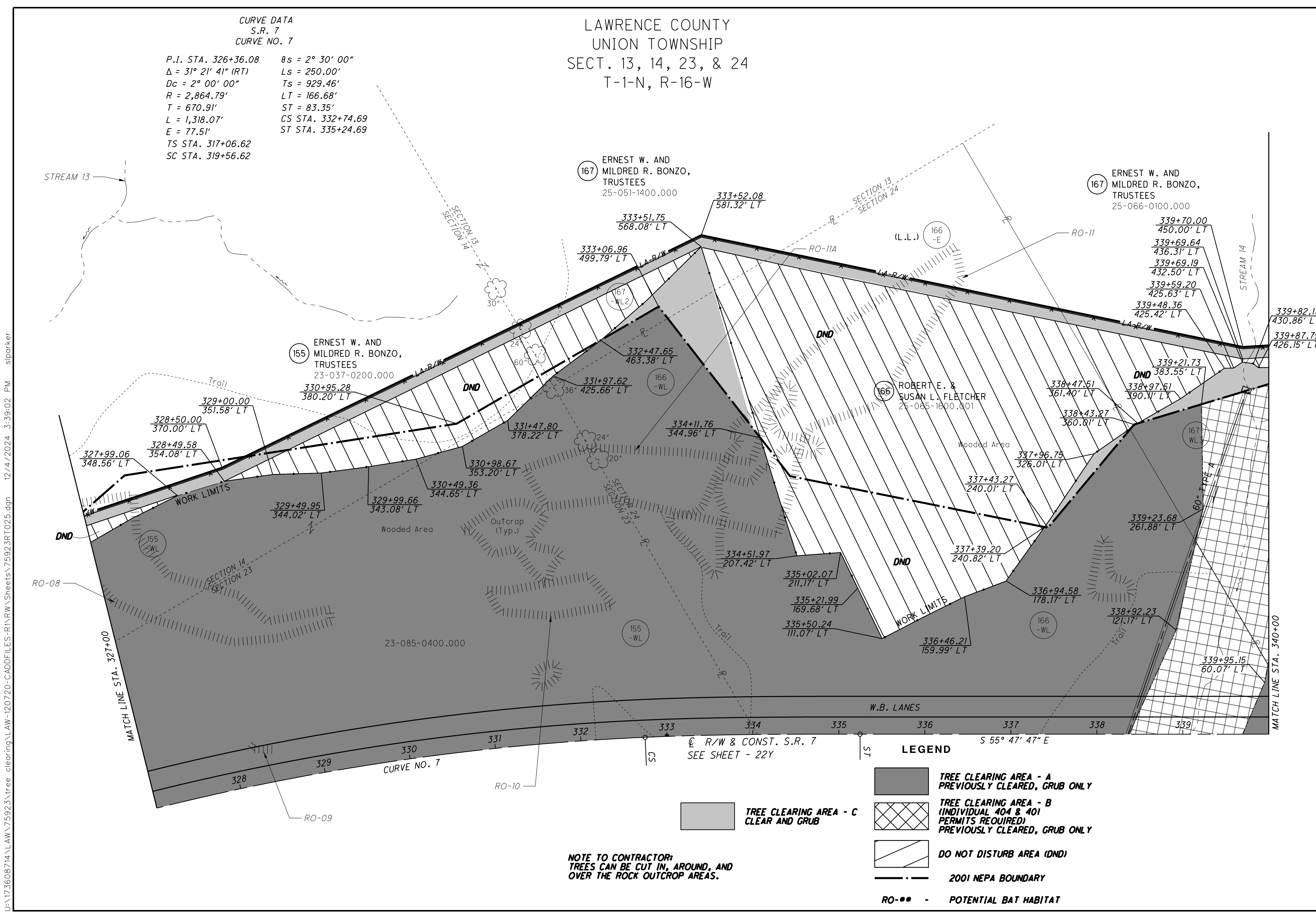
R/W DESIGNER TDW  
R/W REVIEWER JWH

S.R. 7

TREE CLEARING PLAN - S.R. 7  
STA. 327+00 TO STA. 340+00 (NORTH)

LAW-7-2.17  
TREE CLEARING

22X  
1247



NOTE TO CONTRACTOR:  
TREES CAN BE CUT IN, AROUND, AND  
OVER THE ROCK OUTCROP AREAS.

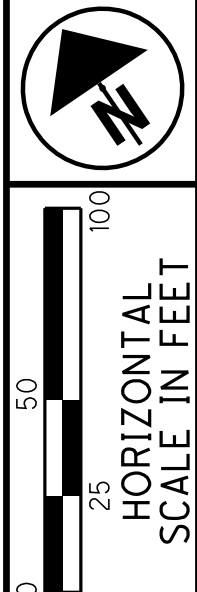
LEGEND

- TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-\*\*- POTENTIAL BAT HABITAT

U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R\RW\_Sheets\75923RT025.dgn 12/4/2024 3:39:02 PM sparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 23 & 24, T-1-N, R-16-W

☉ R/W & CONST. S.R. 7  
SEE SHEET - 22X



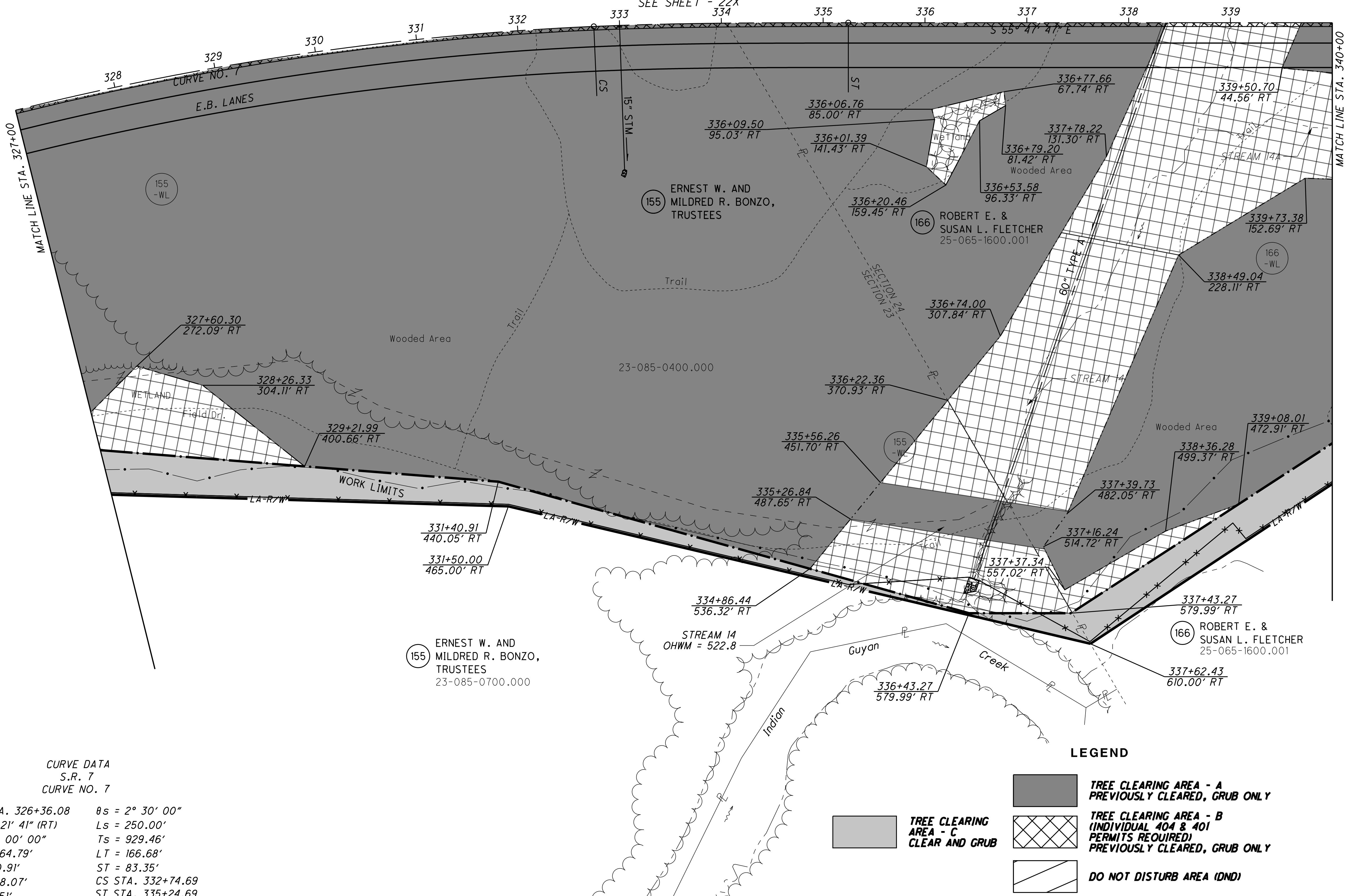
PID NO.  
**120720**

R/W DESIGNER TDW  
R/W REVIEWER JDH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 327+00 TO STA. 340+00 (SOUTH)**

**LAW-7-2.17**  
**TREE CLEARING**

22Y  
1247



**CURVE DATA**  
S.R. 7  
CURVE NO. 7

P.I. STA. 326+36.08     $\theta_s = 2^\circ 30' 00''$   
 $\Delta = 31^\circ 21' 41''$  (RT)     $L_s = 250.00'$   
 $D_c = 2^\circ 00' 00''$      $T_s = 929.46'$   
 $R = 2,864.79'$      $L_T = 166.68'$   
 $T = 670.91'$      $ST = 83.35'$   
 $L = 1,318.07'$     CS STA. 332+74.69  
 $E = 77.51'$     ST STA. 335+24.69

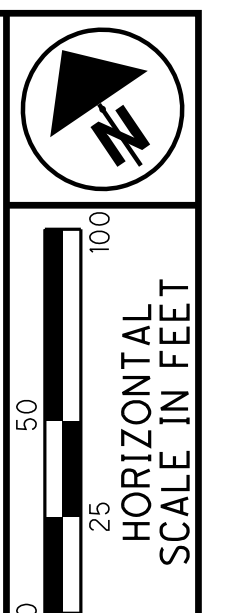
TS STA. 317+06.62  
SC STA. 319+56.62

**NOTE TO CONTRACTOR:**  
TREES CAN BE CUT IN, AROUND, AND  
OVER THE ROCK OUTCROP AREAS.

- LEGEND**
- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
  - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
  - TREE CLEARING AREA - C CLEAR AND GRUB
  - DO NOT DISTURB AREA (DND)
  - 2001 NEPA BOUNDARY
  - RO - \*\* - POTENTIAL BAT HABITAT

U:\173608714\Law\75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT026.dgn 12/4/2024 3:39:02 PM siparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 24, T-1-N, R-16-W



CURVE DATA  
S.R. 7  
CURVE NO. 8

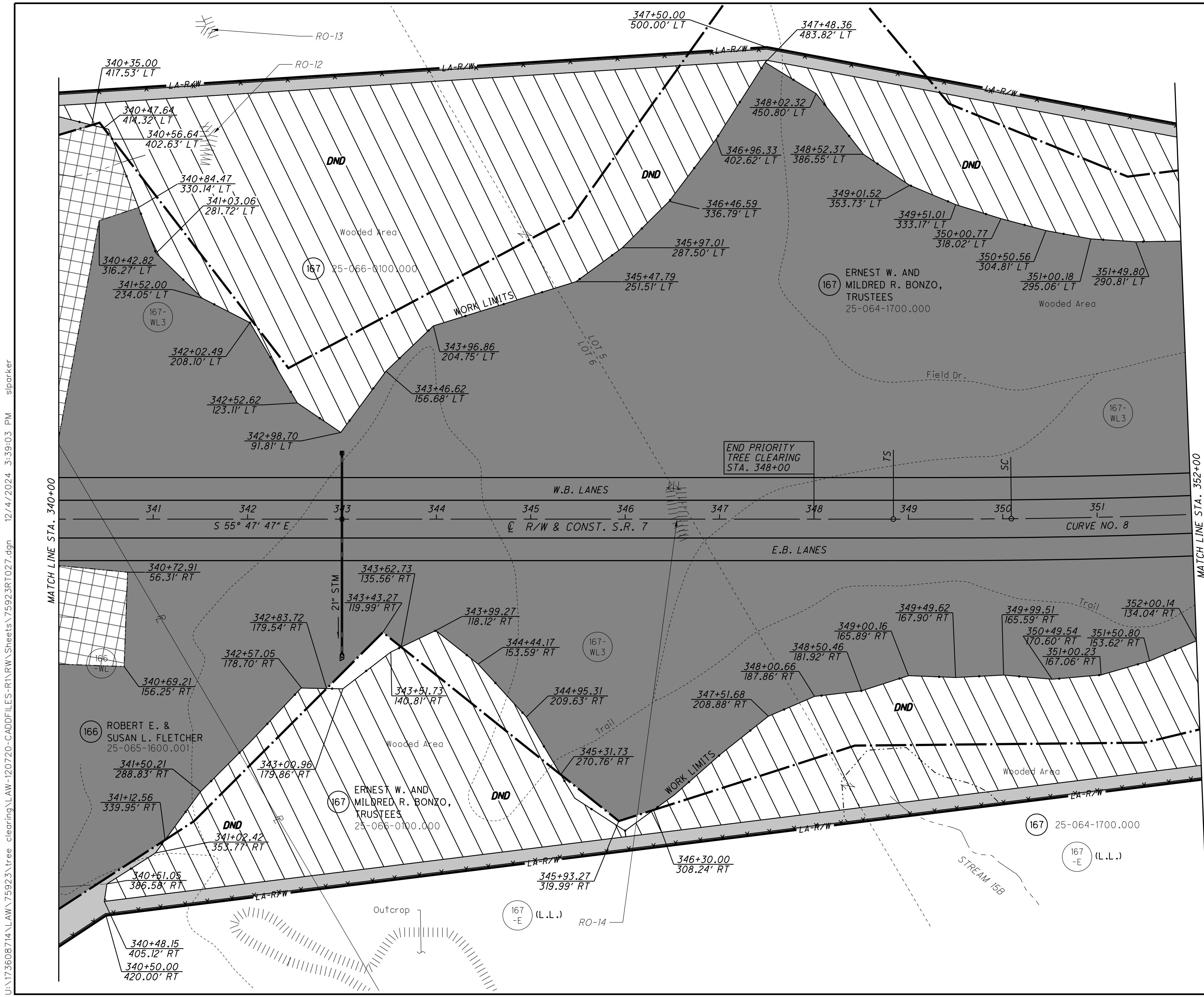
P.I. STA. 355+16.90  $\theta s = 0^\circ 32' 45''$   
 $\Delta = 9^\circ 56' 13''$  (LT)  $Ls = 125.00'$   
 $Dc = 0^\circ 52' 24''$   $Ts = 632.80'$   
 $R = 6,560.00'$   $LT = 83.33'$   
 $T = 507.37'$   $ST = 41.67'$   
 $L = 1,012.73'$   $CS STA. 360+21.83$   
 $E = 19.59'$   $ST STA. 361+46.83$   
 $TS STA. 348+84.10$   
 $SC STA. 350+09.10$

PID NO. 120720  
R/W DESIGNER TDW  
R/W REVIEWER JDH

**NOTE TO CONTRACTOR:**  
TREES CAN BE CUT IN, AROUND, AND OVER THE ROCK OUTCROPS.

LEGEND

- TREE CLEARING AREA - A (PREVIOUSLY CLEARED, GRUB ONLY)
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) (PREVIOUSLY CLEARED, GRUB ONLY)
- TREE CLEARING AREA - C (CLEAR AND GRUB)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-\*\*- POTENTIAL BAT HABITAT



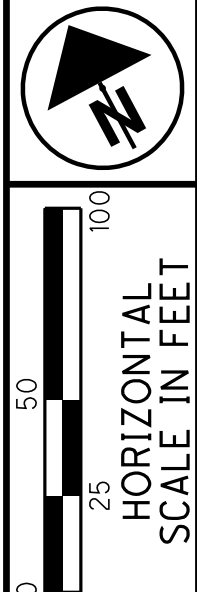
U:\173608714\Law\75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT027.dgn 12/4/2024 3:39:03 PM sparker

TREE CLEARING PLAN - S.R. 7  
STA. 340+00 TO STA. 352+00

LAW-7-2.17  
TREE CLEARING

227  
1247

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 24, T-1-N, R-16-W



PID NO.  
**120720**

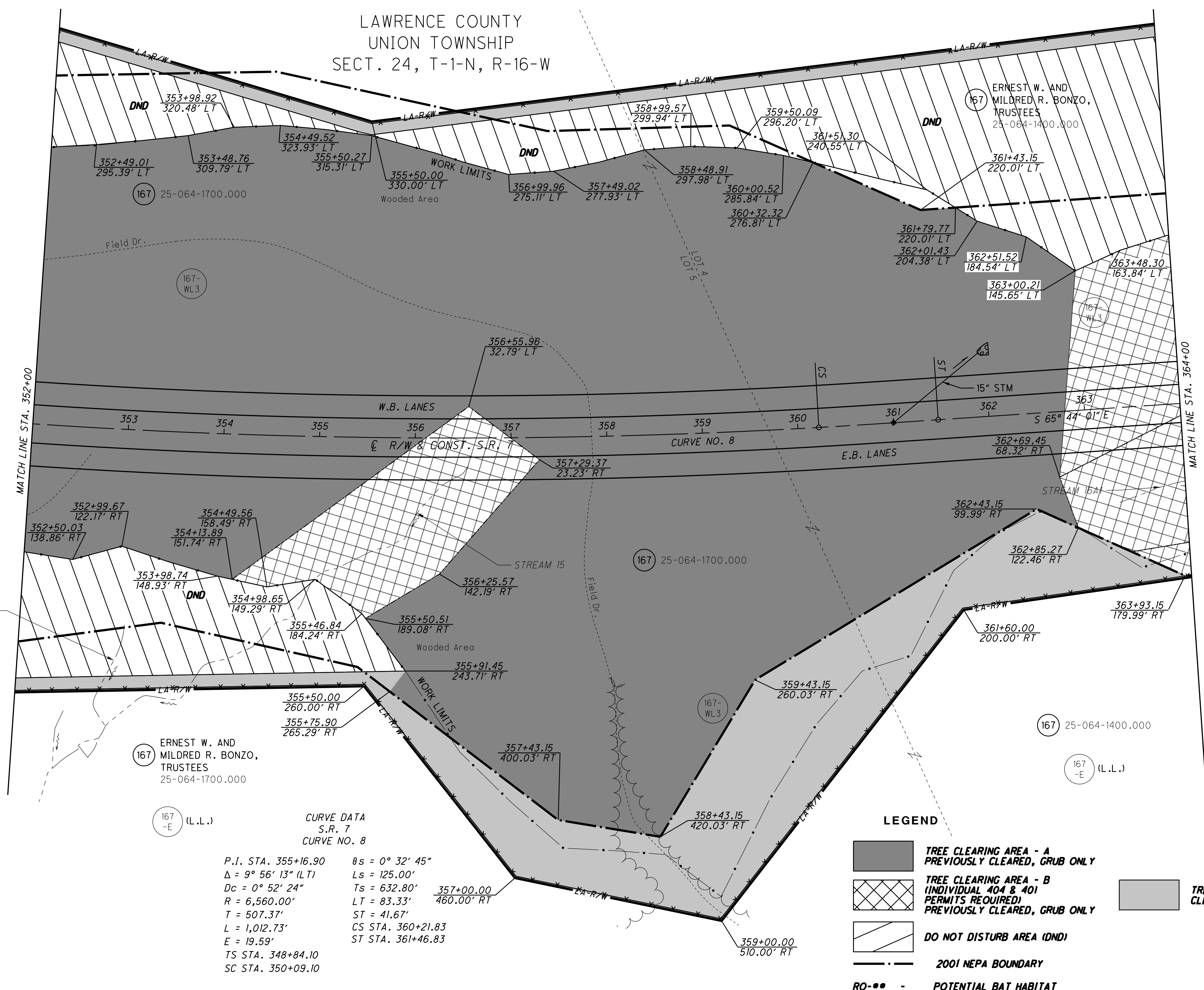
R/W DESIGNER TDW  
R/W REVIEWER JDH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 352+00 TO STA. 364+00**

**LAW-7-2.17**  
**TREE CLEARING**

22AA  
1247

U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT028.dgn 12/4/2024 3:39:04 PM slparker



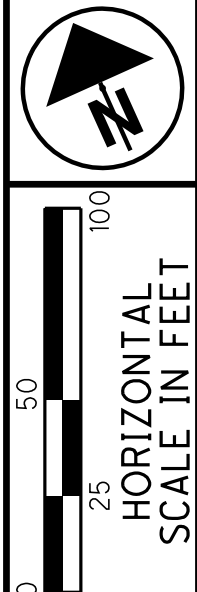
**CURVE DATA**  
S.R. 7  
CURVE NO. 8

P.I. STA. 355+16.90     $\theta_s = 0^\circ 32' 45''$   
 $\Delta = 9^\circ 56' 13''$  (LT)     $L_s = 125.00'$   
 $D_c = 0^\circ 52' 24''$      $T_s = 632.80'$   
 $R = 6,560.00'$      $LT = 83.33'$   
 $T = 507.37'$      $ST = 41.67'$   
 $L = 1,012.73'$      $CS$  STA. 360+21.83  
 $E = 19.59'$      $ST$  STA. 361+46.83  
 $TS$  STA. 348+84.10  
 $SC$  STA. 350+09.10

**LEGEND**

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-\*\*- POTENTIAL BAT HABITAT

LAWRENCE COUNTY  
 UNION TOWNSHIP  
 SECT. 24, T-1-N, R-16-W



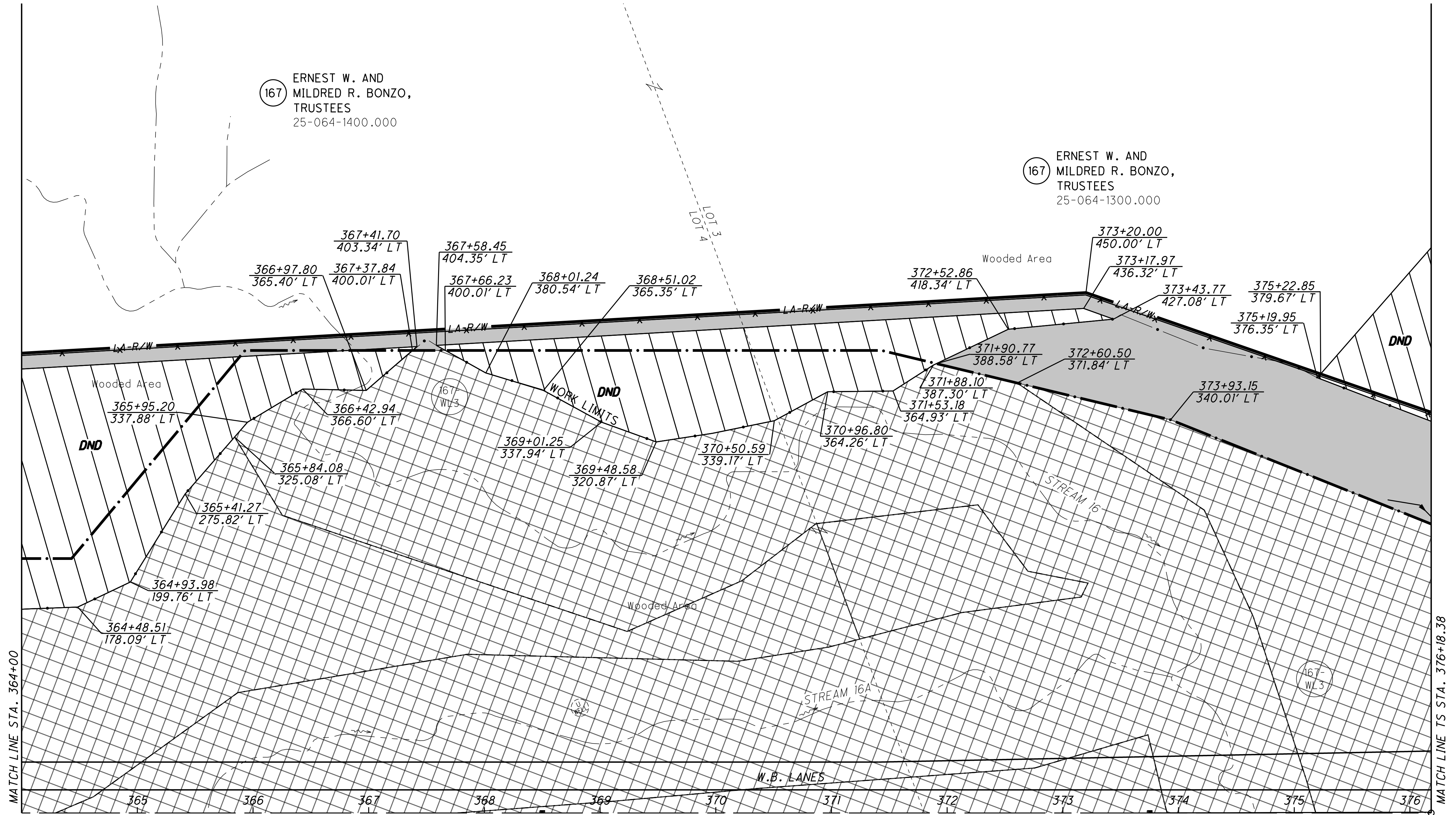
PID NO.  
**120720**

R/W DESIGNER  
 TDW  
 R/W REVIEWER  
 JDH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 364+00 TO STA. 376+18.38 (NORTH)**

**LAW-7-2.17**  
**TREE CLEARING**

22BB  
 1247



U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R1\RW\_Sheets\75923RT029.dgn 12/4/2024 3:39:05 PM slparker

**LEGEND**

- TREE CLEARING AREA - A**  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B**  
(INDIVIDUAL 404 & 401 PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)**
- 2001 NEPA BOUNDARY**
- RO-●● - POTENTIAL BAT HABITAT**
- TREE CLEARING AREA - C**  
CLEAR AND GRUB

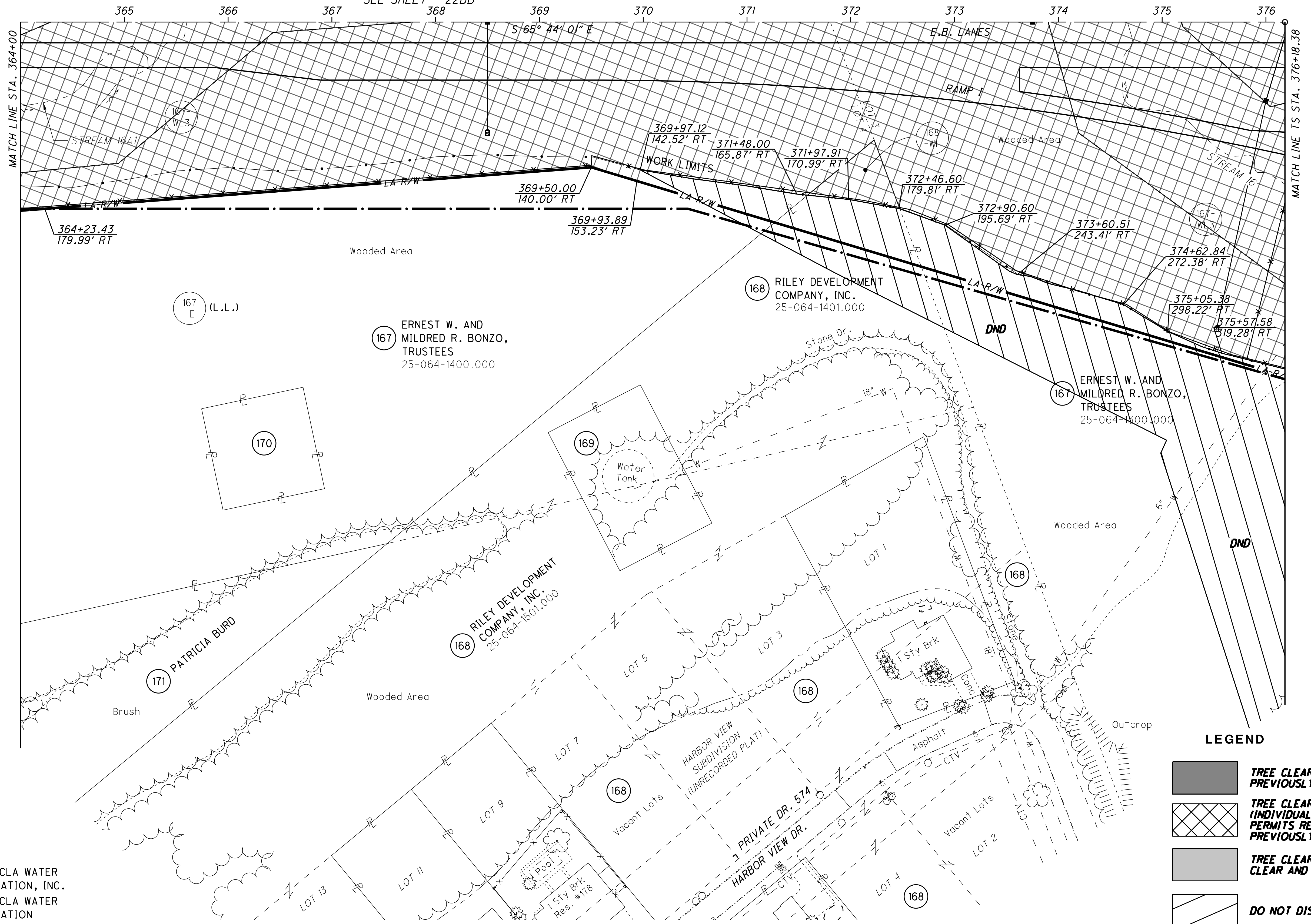
S 65° 44' 01" E  
 R/W & CONST. S.R. 7  
 SEE SHEET - 22CC

MATCH LINE STA. 364+00



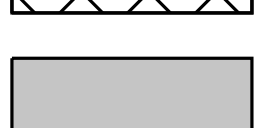



MATCH LINE TS STA. 376+18.38

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 24, T-1-N, R-16-W

R/W & CONST. S.R. 7  
SEE SHEET - 22BB



**LEGEND**

-  TREE CLEARING AREA - A  
(PREVIOUSLY CLEARED, GRUB ONLY)
-  TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401 PERMITS REQUIRED)  
(PREVIOUSLY CLEARED, GRUB ONLY)
-  TREE CLEARING AREA - C  
(CLEAR AND GRUB)
-  DO NOT DISTURB AREA (DND)
-  2001 NEPA BOUNDARY
-  RO-\*\* - POTENTIAL BAT HABITAT

LAW-7-2.17  
TREE CLEARING

TREE CLEARING PLAN - S.R. 7  
STA. 364+00 TO STA. 376+18.38 (SOUTH)

PID NO. 120720

R/W DESIGNER TDW  
R/W REVIEWER JDH

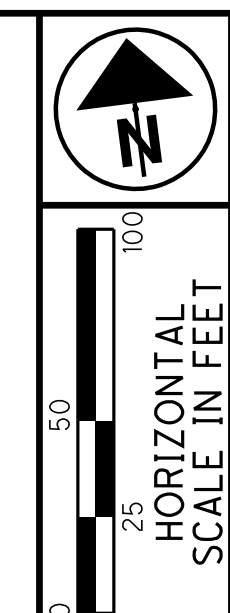
22CC  
1247

U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT030.dgn 12/4/2024 3:39:06 PM siparker

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 24, T-1-N, R-16-W

CURVE DATA  
S.R. 7  
CURVE NO. 9

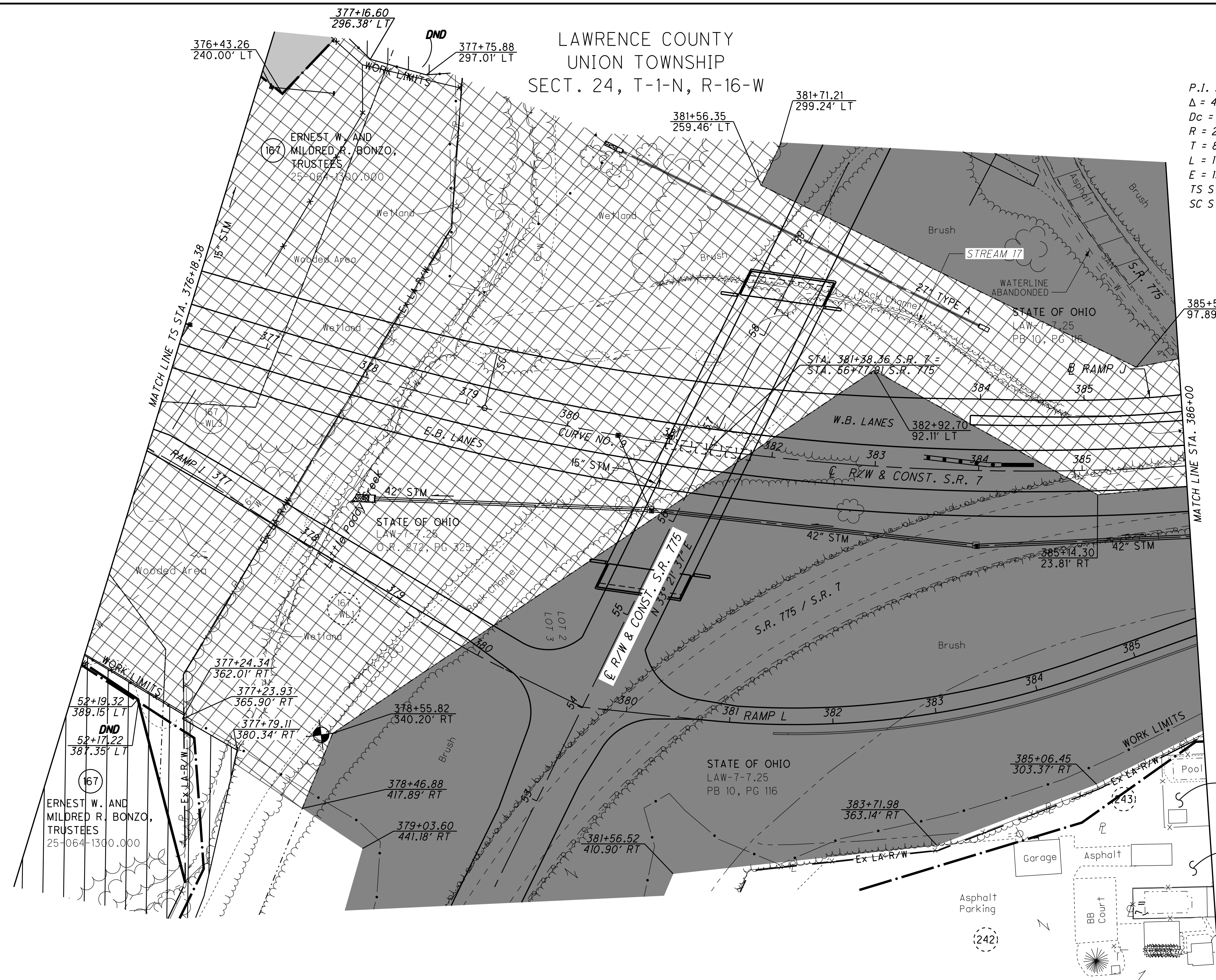
P.I. STA. 387+47.15       $\theta_s = 3^\circ 44' 12''$   
 $\Delta = 46^\circ 04' 34''$  (LT)       $L_s = 300.00'$   
 $D_c = 2^\circ 29' 28''$        $T_s = 1,128.77'$   
 $R = 2,300.00'$        $LT = 200.04'$   
 $T = 805.51'$        $ST = 100.04'$   
 $L = 1,549.62'$        $CS STA. 394+68.00$   
 $E = 136.98'$        $ST STA. 397+68.00$   
 TS STA. 376+18.38  
 SC STA. 379+18.38



PID NO. 120720  
 R/W DESIGNER TDW  
 R/W REVIEWER JDH

LEGEND

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - C CLEAR AND GRUB
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT



- (243) ERNEST RALPH ROOD & MYRTLE RUTH ROOD  
25-064-0700.000
- (242) ERNEST B. & CLORINDA G. HALL  
25-061-0500.000

U:\173608714\Law\759233\tree\_clearing\Law-120720-CADFILES-R\RW\_Sheets\75923RT031.dgn 12/4/2024 3:39:07 PM siparker

TREE CLEARING PLAN - S.R. 7  
STA. 376+18.38 TO STA. 386+00

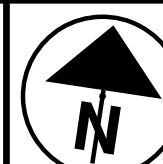
LAW-7-2.17  
TREE CLEARING

22DD  
1247



LAWRENCE COUNTY  
 UNION & ROME TOWNSHIP  
 SECT. 24, T-1-N, R-16-W  
 SECT. 34, T-1-N, R-15-W

FOR LOCATION AND TYPE OF LA-R/W FENCE  
 SEE THE TABLE IN THE ROADWAY PLAN



PID NO. **120720**

R/W DESIGNER TDW  
 R/W REVIEWER JDH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 386+00 TO STA. 397+68 (NORTH)**


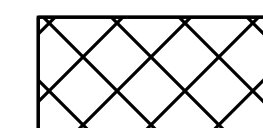

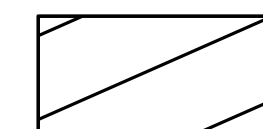


**LAW-7-2.17**  
**TREE CLEARING**

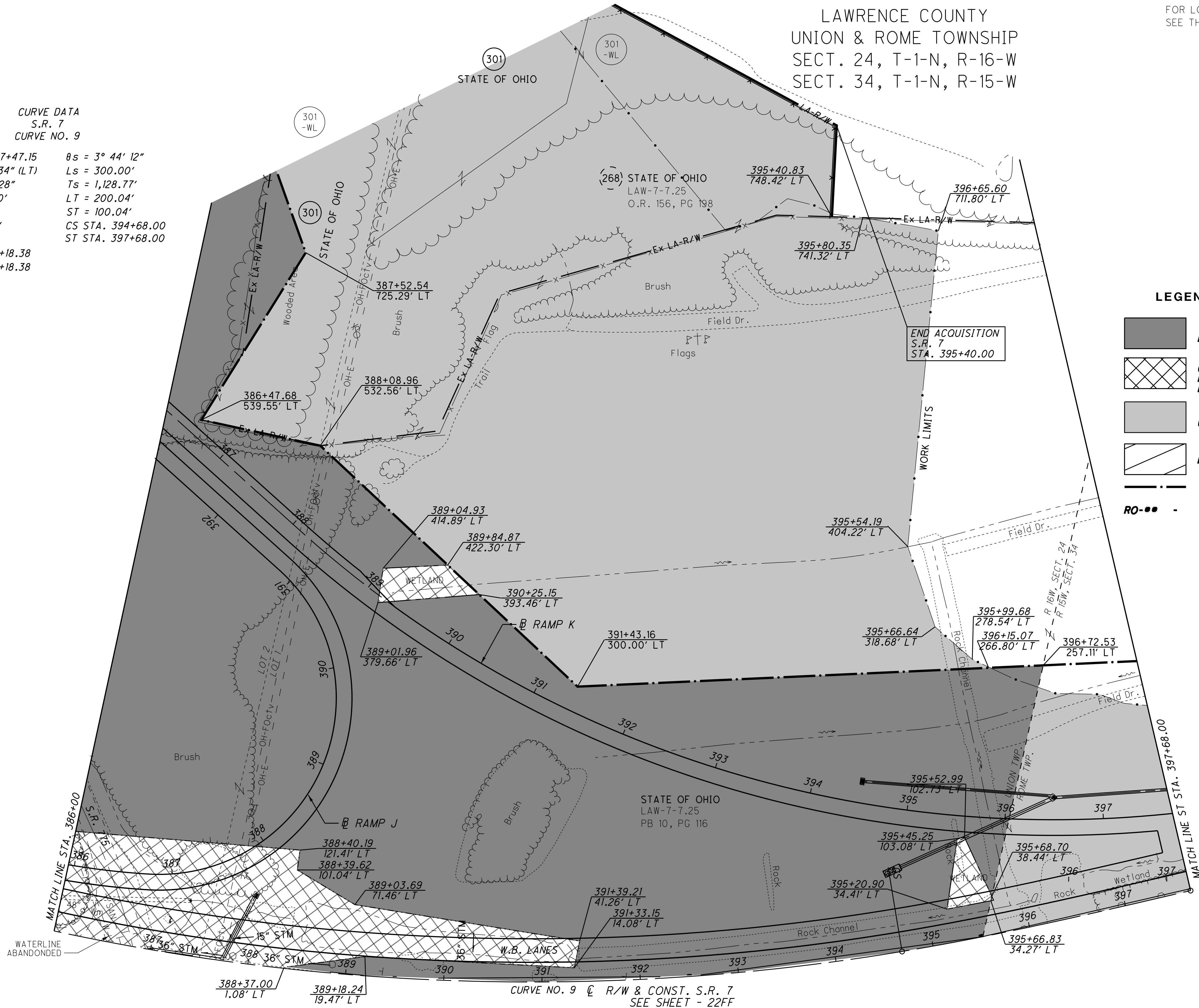
22EE  
 1247

CURVE DATA  
 S.R. 7  
 CURVE NO. 9

P.I. STA. 387+47.15     $\theta_s = 3^\circ 44' 12''$   
 $\Delta = 46^\circ 04' 34''$  (LT)     $L_s = 300.00'$   
 $D_c = 2^\circ 29' 28''$      $T_s = 1,128.77'$   
 $R = 2,300.00'$      $LT = 200.04'$   
 $T = 805.51'$      $ST = 100.04'$   
 $L = 1,549.62'$     CS STA. 394+68.00  
 $E = 136.98'$     ST STA. 397+68.00  
 TS STA. 376+18.38  
 SC STA. 379+18.38

**LEGEND**

-  TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
-  TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401  
PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
-  TREE CLEARING AREA - C  
CLEAR AND GRUB
-  DO NOT DISTURB AREA (DND)
-  2001 NEPA BOUNDARY
-  RO-\*\*- POTENTIAL BAT HABITAT

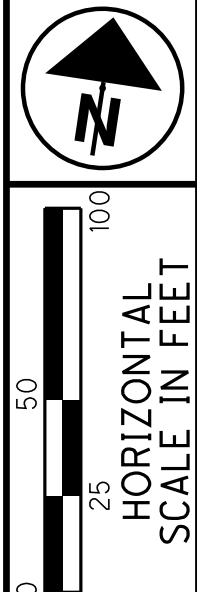


U:\173608714\Law\75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT032.dgn 12/4/2024 3:39:08 PM sparker

CURVE NO. 9 @ R/W & CONST. S.R. 7  
 SEE SHEET - 22FF

LAWRENCE COUNTY  
 UNION & ROME TOWNSHIP  
 SECT. 24, T-1-N, R-16-W  
 SECT. 34, T-1-N, R-15-W

**EX. R/W OFFSET:**  
 CONTRACTOR SHALL NOT CLEAR ANY  
 TREES WITHIN AN OFFSET OF FIVE  
 (5') FEET FROM EXISTING R/W LINE  
 EXCEPT WHERE WORK LIMITS ARE  
 NEEDED TO BE CLEARED.



PID NO. **120720**  
 R/W DESIGNER TDW  
 R/W REVIEWER JQH

**TREE CLEARING PLAN - S.R. 7**  
**STA. 386+00 TO STA. 397+68 (SOUTH)**

**LAW-7-2.17**  
**TREE CLEARING**

22FF  
 1247

U:\173608714\Law\759233\tree\_clearing\Law-120720-CADDFILES-R\RW\Sheets\759233RT033.dgn 12/4/2024 3:39:09 PM siparker



**CURVE DATA**  
 S.R. 7  
 CURVE NO. 9

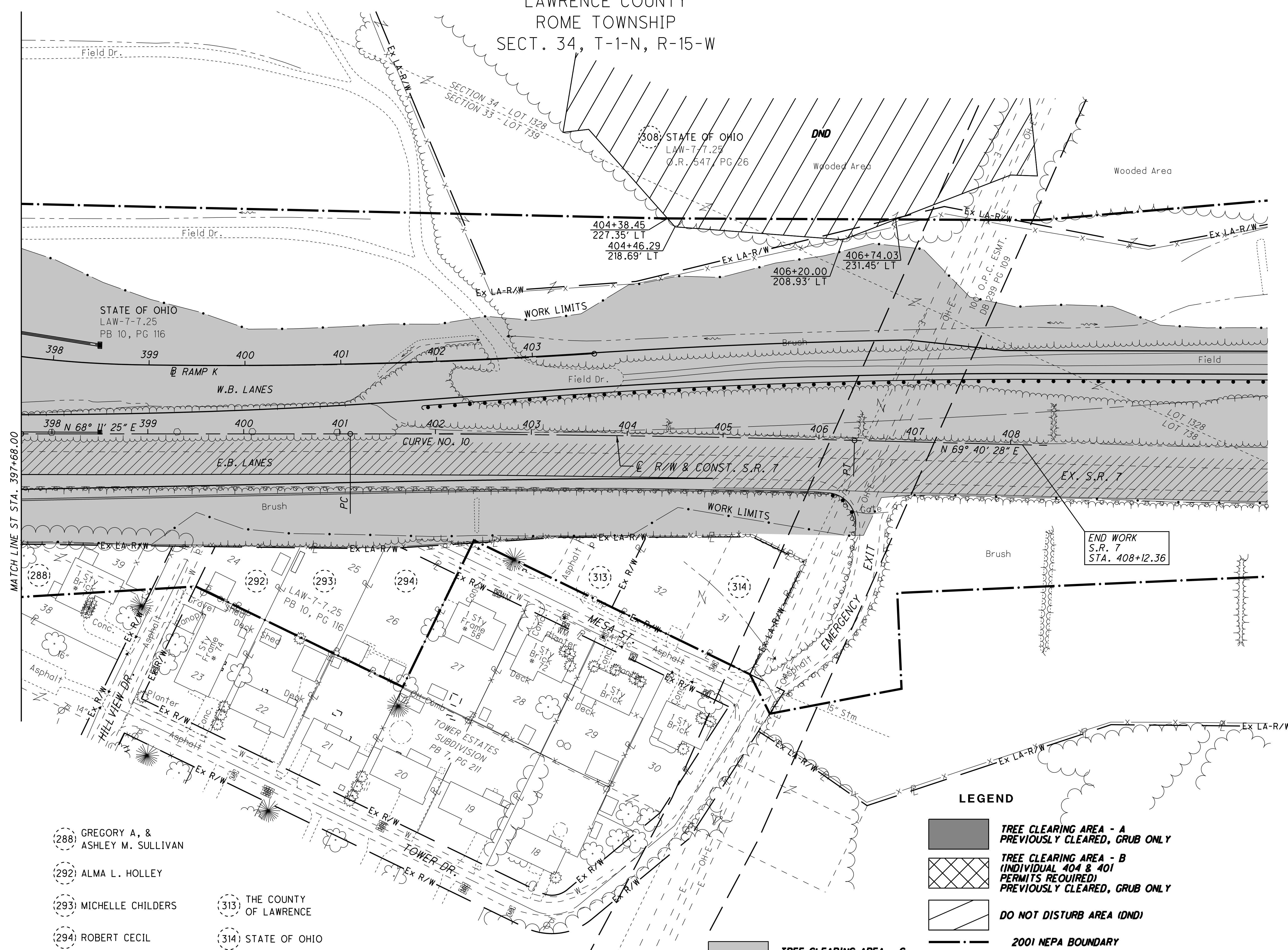
P.I. STA. 387+47.15     $\theta s = 3^\circ 44' 12''$   
 $\Delta = 46^\circ 04' 34''$  (LT)     $Ls = 300.00'$   
 $Dc = 2^\circ 29' 28''$      $Ts = 1,128.77'$   
 $R = 2,300.00'$      $LT = 200.04'$   
 $T = 805.51'$      $ST = 100.04'$   
 $L = 1,549.62'$      $CS STA. 394+68.00$   
 $E = 136.98'$      $ST STA. 397+68.00$   
 TS STA. 376+18.38  
 SC STA. 379+18.38

- (242) ERNEST B. & CLORINDA G. HALL  
25-061-0500.000
- (243) ERNEST RALPH ROOD & MYRTLE RUTH ROOD  
25-064-0700.000
- (244) STATE OF OHIO  
25-063-0700.003
- (273) DANNY LEE BURCHAM  
25-067-1500.000
- (277) GLENN EDWARD EARL & NANCY K. EARL  
25-068-0200.000
- (280) NEW HOPE UNITED METHODIST CHURCH  
25-060-1606.000
- (283) JOHN T. WILLIAMS II, & JENETTE WILLIAMS  
18-137-1601.000
- (285) DANNY J. HOLSCHUH  
18-137-1600.005

**LEGEND**

- TREE CLEARING AREA - A**  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B**  
(INDIVIDUAL 404 & 401 PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)**
- 2001 NEPA BOUNDARY**
- POTENTIAL BAT HABITAT**
- TREE CLEARING AREA - C**  
CLEAR AND GRUB

LAWRENCE COUNTY  
ROME TOWNSHIP  
SECT. 34, T-1-N, R-15-W



**CURVE DATA**  
S.R. 7  
CURVE NO. 10

P.I. STA. 403+74.19  
 $\Delta = 1^\circ 29' 03''$  (RT)  
 $D_c = 0^\circ 16' 56''$   
 $R = 20,306.35'$   
 $T = 263.02'$   
 $L = 526.00'$   
 $E = 1.70'$   
 PC STA. 401+11.17  
 PT STA. 406+37.18

- (288) GREGORY A, & ASHLEY M. SULLIVAN
- (292) ALMA L. HOLLEY
- (293) MICHELLE CHILDERS
- (294) ROBERT CECIL
- (313) THE COUNTY OF LAWRENCE
- (314) STATE OF OHIO

**LEGEND**

- TREE CLEARING AREA - A  
PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B  
(INDIVIDUAL 404 & 401 PERMITS REQUIRED)  
PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DNDA)
- 2001 NEPA BOUNDARY
- RO-\*\* - POTENTIAL BAT HABITAT

U:\173608714\Law\75923\tree\_clearing\Law-120720-CADDFILES-R\NRW\Sheets\75923RT034.dgn 12/4/2024 3:39:10 PM siparker

PID NO. **120720**

R/W DESIGNER TDW

R/W REVIEWER JDH

TREE CLEARING PLAN - S.R. 7

TREE CLEARING

STA. 397+68 TO 408+12.36

LAW-7-2.17

- 125 LARRY J. SITES, II, ETAL.
- 126 STATE OF OHIO
- 128 LAWRENCE A. & INEZ M. THOMPSON
- 131 STATE OF OHIO
- 132 STATE OF OHIO
- 135 ROGER & HELEN HENSON

I-TR 251+84.51  
60.55' RT

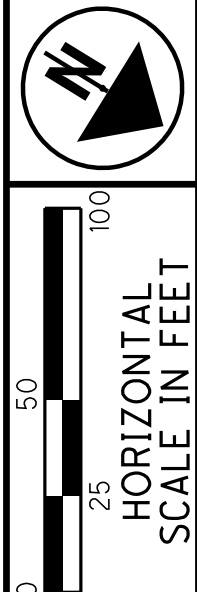
LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 15 & 22, T-1-N, R-16-W

CURVE DATA  
C.R. 69  
CURVE NO. 1  
P.I. Sta. 10+33.80  
 $\Delta = 20^\circ 52' 36''$  (RT)  
Dc = 24' 54" 40"  
R = 230.00'  
T = 42.37'  
L = 83.80'  
E = 3.87'  
PC STA. 9+91.43  
PT STA. 10+75.23

CURVE DATA  
C.R. 69  
CURVE NO. 2  
P.I. Sta. 15+77.89  
 $\Delta = 10^\circ 17' 44''$  (LT)  
Dc = 4' 00" 00"  
R = 1,432.39'  
T = 129.04'  
L = 257.39'  
E = 5.80'  
PC STA. 14+48.85  
PT STA. 17+06.24

CURVE DATA  
S.R. 243  
CURVE NO. 1  
P.I. Sta. 11+06.30  
 $\Delta = 22^\circ 39' 36''$  (RT)  
Dc = 24' 54" 40"  
R = 230.00'  
T = 46.08'  
L = 90.96'  
E = 4.57'  
PC STA. 10+60.22  
PT STA. 11+51.18

CURVE DATA  
S.R. 243  
CURVE NO. 2  
P.I. STA. 15+51.11  
 $\theta s = 00^\circ 45' 00''$   
Ls = 100.00'  
Ts = 237.72'  
LT = 66.67'  
ST = 33.33'  
CS Sta. 16+88.52  
ST Sta. 17+88.52  
TS STA. 13+13.39  
SC STA. 14+13.39

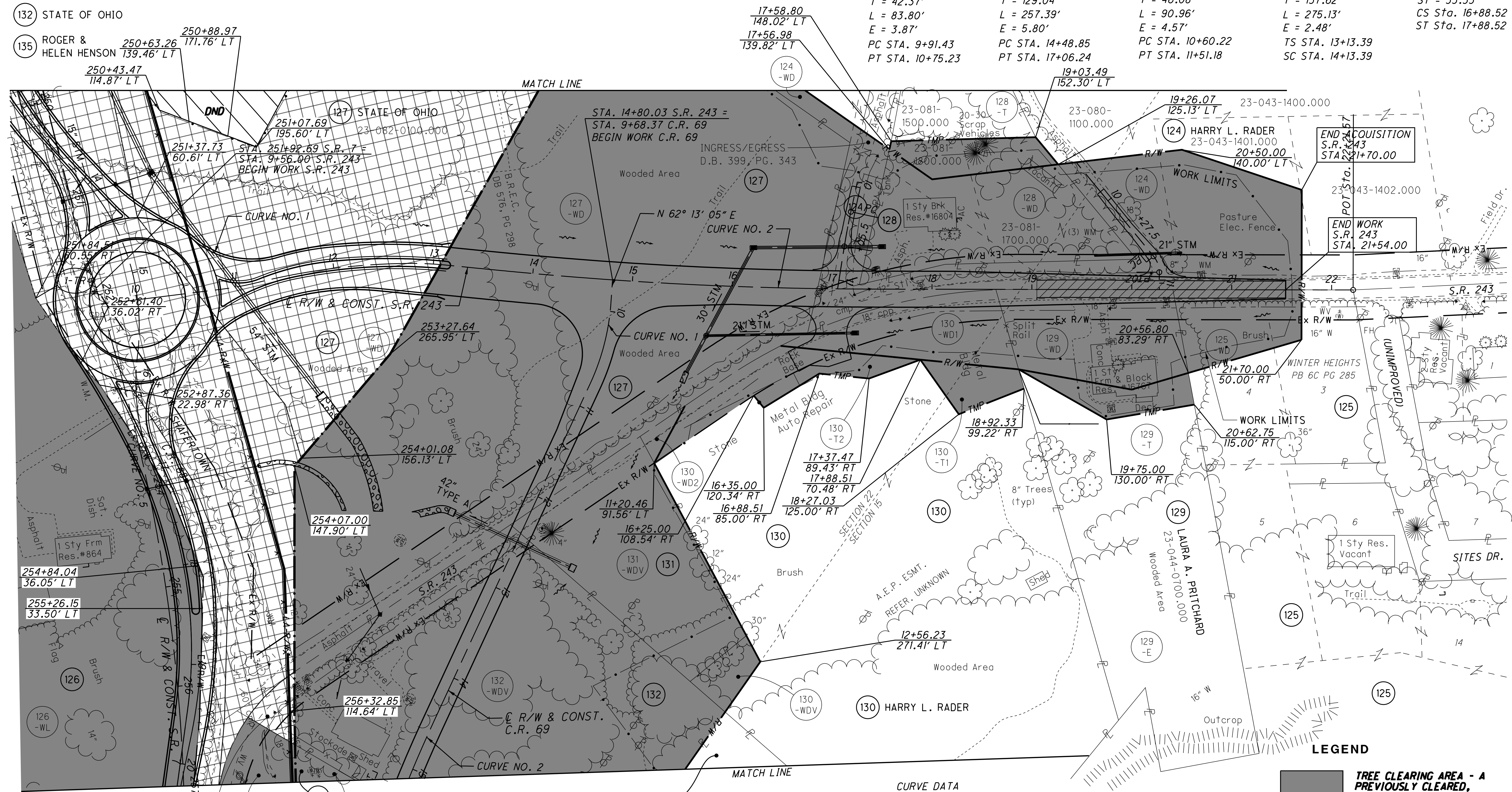


PID NO. 120720  
R/W DESIGNER TDW  
R/W REVIEWER JWH

TREE CLEARING PLAN - S.R. 243

LAW-7-2.17  
TREE CLEARING

22HH  
1247



CURVE DATA  
S.R. 7  
CURVE NO. 5  
P.I. STA. 261+89.75  
 $\Delta = 58^\circ 46' 06''$  (RT)  
Dc = 3' 15" 00"  
R = 1,762.95'  
T = 773.76'  
L = 1,458.26'  
E = 162.33'  
TS STA. 250+20.45  
SC STA. 253+70.45  
 $\theta s = 5^\circ 41' 15''$   
Ls = 350.00'  
Ts = 1,169.30'  
LT = 233.45'  
ST = 116.78'  
CS STA. 268+28.71  
ST STA. 271+78.71

**LEGEND**

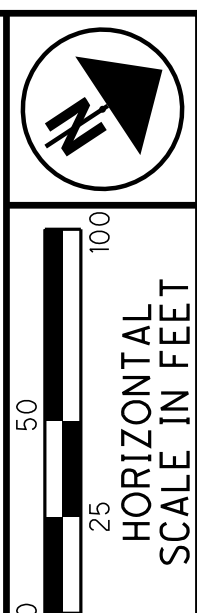
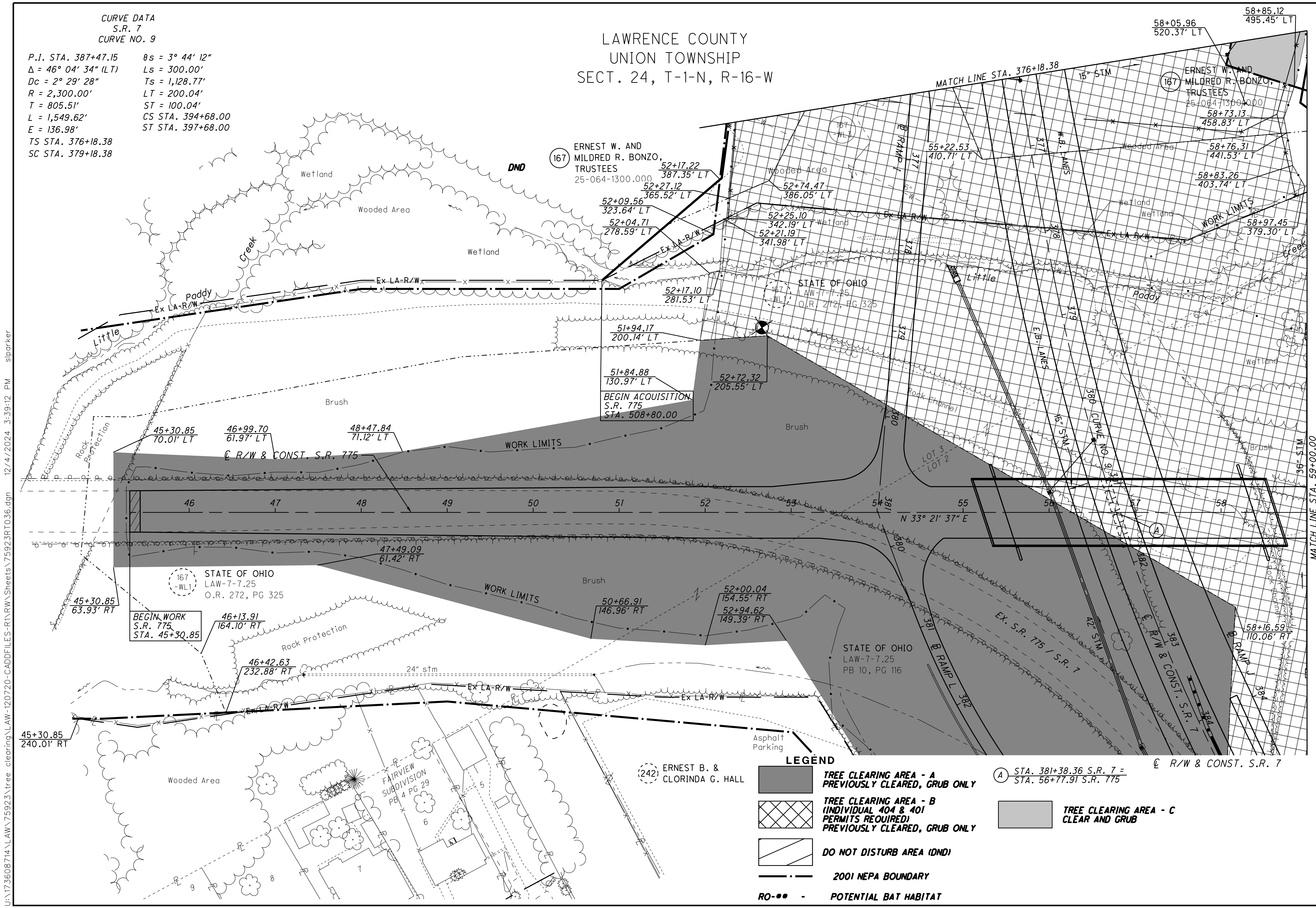
- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

U:\173608714\Law-759233\tree\_clearing\Law-120720-CADDFILES-R\RW\_Sheets\759233RTO35.dgn 12/4/2024 3:39:11 PM sbarker

CURVE DATA  
S.R. 7  
CURVE NO. 9

P.I. STA. 387+47.15  $\theta_s = 3^\circ 44' 12''$   
 $\Delta = 46^\circ 04' 34''$  (LT)  $L_s = 300.00'$   
 $D_c = 2^\circ 29' 28''$   $T_s = 1,128.77'$   
 $R = 2,300.00'$   $LT = 200.04'$   
 $T = 805.51'$   $ST = 100.04'$   
 $L = 1,549.62'$   $CS STA. 394+68.00$   
 $E = 136.98'$   $ST STA. 397+68.00$   
 TS STA. 376+18.38  
 SC STA. 379+18.38

LAWRENCE COUNTY  
UNION TOWNSHIP  
SECT. 24, T-1-N, R-16-W



PID NO. 120720  
R/W DESIGNER TDW  
R/W REVIEWER JHJ

TREE CLEARING PLAN - S.R. 775  
S.R. 775 - STA. 45+30.85 TO STA. 59+00

LAW-7-2.17  
TREE CLEARING  
2211  
1247

ERNEST W. AND MILDRED R. BONZO, TRUSTEES  
25-064-1300.000  
167-WL3

ERNEST W. AND MILDRED R. BONZO, TRUSTEES  
25-064-1300.000  
167-WL3

STATE OF OHIO  
LAW-7-7-25  
O.R. 272, PG 325

STATE OF OHIO  
LAW-7-7.25  
O.R. 272, PG 325

STATE OF OHIO  
LAW-7-7.25  
PB 10, PG 116

ERNEST B. & CLORINDA G. HALL  
(242)

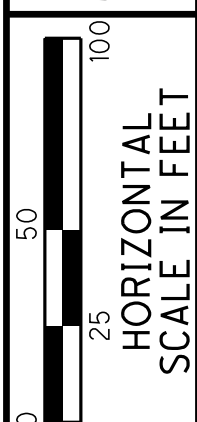
LEGEND

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-\*\*- POTENTIAL BAT HABITAT
- STA. 381+38.36 S.R. 7 = STA. 56+77.91 S.R. 775
- TREE CLEARING AREA - C CLEAR AND GRUB

U:\173608714\Law\75923\Tree Clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT036.dgn 12/4/2024 3:39:12 PM siparker

LAWRENCE COUNTY  
 UNION TOWNSHIP  
 SECT. 24, T-1-N, R-16-W

(B) NEAREST BUILDING CORNER  
 DIMENSION TO LA-R/W LINE,  
 MOBILE HOME = 2.7', GARAGE = 9.6'



PID NO.  
**120720**

R/W DESIGNER TDW  
 R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 775

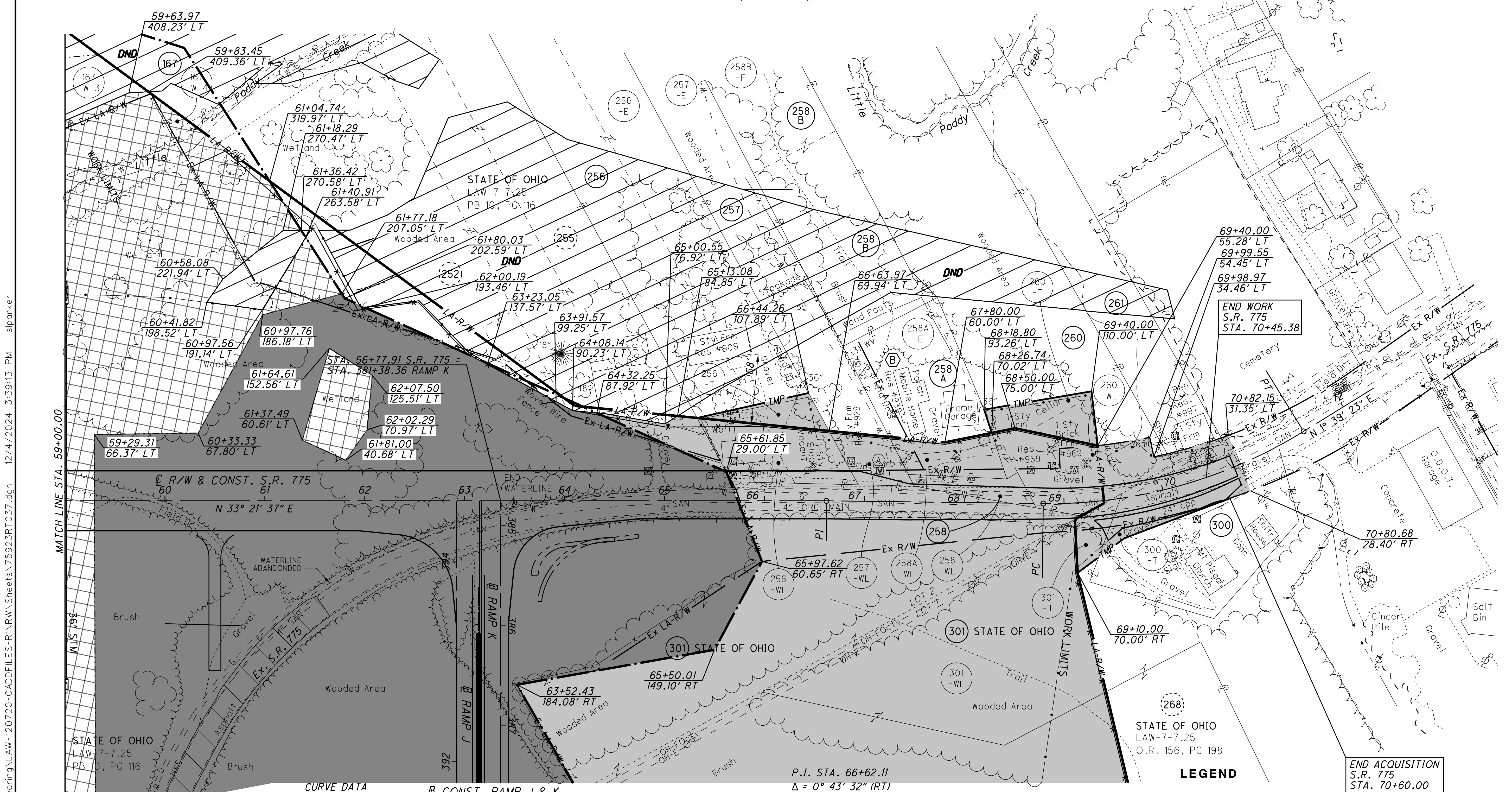
S.R. 775 - STA. 59+00 TO STA. 70+45.38

LAW-7-2.17

TREE CLEARING

22JJ

1247



U:\173608714\Law\75923\tree clearing\Law-120720-CADDFILES-R\RW\Sheets\75923RT037.dgn 12/4/2024 3:39:13 PM siparker

MATCH LINE STA. 59+00.00

P.I. STA. 70+19.99  
 $\Delta = 32^\circ 25' 07''$  (LT)  
 $D_c = 11^\circ 50' 00''$   
 $R = 484.19'$   
 $T = 140.76'$   
 $L = 273.96'$   
 $E = 20.04'$   
 $PC STA. = 68+79.23$   
 $PT STA. = 71+53.19$

CURVE DATA  
 S.R. 775  
 @ CONST. RAMP J & K

- |  |                                 |                          |
|--|---------------------------------|--------------------------|
| (167) ERNEST W. AND MILDRED R. BONZO, TRUSTEES | (257) STATE OF OHIO             | (260) HELENA HAMMONS     |
| (252) STATE OF OHIO                            | (258) TERRY J. & KAY L. HOLLAND | (261) GERTRUDE SCARBERRY |
| (255) STATE OF OHIO                            | (258A) HELEN KATHLEEN SPEARS    | (300) MT. PISGAH CHURCH  |
| (256) MANFORD KING                             | (258B) BURNIE E. WATSON         |                          |

P.I. STA. 66+62.11  
 $\Delta = 0^\circ 43' 32''$  (RT)  
 NO CURVE

**LEGEND**

- TREE CLEARING AREA - A PREVIOUSLY CLEARED, GRUB ONLY
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED) PREVIOUSLY CLEARED, GRUB ONLY
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT
- TREE CLEARING AREA - C CLEAR AND GRUB

END ACQUISITION  
 S.R. 775  
 STA. 70+60.00

END WORK  
 S.R. 775  
 STA. 70+45.38

**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN OR ADJACENT TO THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

FRONTIER COMMUNICATIONS  
1315 ALBERT STREET  
PORTSMOUTH, OHIO 45662  
PHONE: (740) 354-0521  
MS. DENA MARTIN

AMERICAN ELECTRIC POWER (DISTRIBUTION)  
38831 STATE ROUTE 7  
REEDSVILLE, OHIO 45772  
PHONE: (740) 985-3054  
MR. CLARKE SAUNDERS

AMERICAN ELECTRIC POWER (TRANSMISSION)  
8600 SMITHS HILL ROAD  
NEW ALBANY, OHIO 43054  
PHONE: (380) 205-5072  
MR. MICHAEL CARR

BUCKEYE RURAL ELECTRIC CO-OP, INC.  
P.O. BOX 200  
RIO GRANDE, OHIO 45674  
PHONE: (740) 379-9659  
MR. WESTON CLARY

HECLA WATER ASSOCIATION, INC.  
3190 SR 141  
IRONTON, OHIO 45638  
PHONE: (740) 533-0526, EXT. 5  
MR. TIM DALTON

AQUA OHIO (FORMERLY OHIO-AMERICAN WATER COMPANY)  
5481 BUENOS ARIES BLVD.  
WESTERVILLE, OHIO 43081  
PHONE: (614) 882-6586, EXT. 50546  
MR. VINNY LUPICA

COLUMBIA GAS OF OHIO  
215 N. 7TH STREET  
IRONTON, OHIO 45638  
PHONE: (740) 513-8529  
MS. TORI PIERCE

MYERS DRILLING COMPANY  
826 20TH STREET  
HUNTINGTON, WV. 25703-1850  
PHONE: (304) 736-7431  
MR. JOHN DIAL

ARMSTRONG CABLE SERVICES  
9651 COUNTY ROAD 1  
SOUTH POINT, OHIO 45680  
PHONE: (740) 451-1827  
MR. JARAN BARTOE

UNION-ROME TOWNSHIPS  
SUBSEWER DISTRICT  
5481 BUENOS ARIES BLVD.  
WESTERVILLE, OHIO 43081  
PHONE: (614) 882-6586, EXT. 50546  
MR. VINNY LUPICA

CHARTER COMMUNICATIONS  
(AKA SPECTRUM FKA TIME WARNER CABLE)  
1617 FOXHAVEN DRIVE  
RICHMOND, KENTUCKY 40475  
PHONE: (859) 626-4829  
MR. GREG RUSSELL

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

**BENCHING OF FOUNDATION SLOPES**

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

**SURVEYING PARAMETERS**

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 3 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

**PROJECT CONTROL**

POSITIONING METHOD: STATIC GPS (201)  
MONUMENT TYPE: TYPE A

**VERTICAL POSITIONING**

ORTHOMETRIC HEIGHT DATUM: NAVD88  
GEOID: GEOID09

**HORIZONTAL POSITIONING**

REFERENCE FRAME: NAD83 (CORS 96)  
ELLIPSOID: GRS80  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLANE, SOUTH ZONE  
COMBINED SCALE FACTOR: 1.000044500000  
(FROM GROUND TO SPC)

ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

**CONSTRUCTION NOISE**

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

WHERE CONSTRUCTION ACTIVITIES ARE WITHIN 500 FEET OF RESIDENTIAL AREAS, CONSTRUCTION ACTIVITIES WILL BE LIMITED TO DAYTIME HOURS ONLY. THE FOLLOWING AREAS GIVE LOCATIONS WHERE WORK SHALL BE LIMITED TO DAYTIME HOURS ONLY:

- AREA 1: SR 7 STATION 165+00 TO STATION 220+00
- AREA 2: SR 7 STATION 381+00 TO STATION 409+00
- AREA 3: SR 775 STATION 45+30 TO STATION 70+75

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

NO WORK SHALL OCCUR IN THE DO NOT DISTURB AREAS AS SHOWN IN THE PLANS.

**AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS**

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 144.23 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERRECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FEDERAL AVIATION ADMINISTRATION SOUTHWEST REGIONAL OFFICE OBSTRUCTION EVALUATION GROUP 1010 HILLWOOD PARKWAY FORT WORTH, TX 76177 FAX: (817) 222-5920  
HTTP://CEAAA.FAA.GOV

OHIO DEPARTMENT OF TRANSPORTATION OFFICE OF AVIATION  
2829 WEST DUBLIN-GRANVILLE ROAD COLUMBUS, OHIO 43235  
OHIO.AIRPORT.PROTECTION@DOT.OHIO.GOV

**RIGHT-OF-WAY FENCE CONSTRUCTION**

ALTHOUGH NOT SHOWN IN THE PLANS, THE CONTRACTOR HAS A 15' WORK AREA FOLLOWING ALONG AND INSIDE OF THE RIGHT-OF-WAY TO CONSTRUCT THE PROPOSED FENCE.

**CLEARING AND GRUBBING**

THE DEPARTMENT HAS AWARDED A SEPARATE CONTRACT (PID-120720) FOR TREE CLEARING ON A PORTION OF THE PROJECT. THE CONSTRUCTION PLANS FOR THAT CONTRACT ARE AVAILABLE AS A REFERENCE DOCUMENT ON THE DEPARTMENTS FTP SITE. THAT CONTRACT ONLY REQUIRED THE CUTTING AND REMOVAL OF TREES AND TREE TOPS FROM THE PROJECT LIMITS AND DID NOT REQUIRE GRUBBING OF STUMPS OR ROOTS.

THE LIMITS OF THAT CONTRACT WERE RESTRICTED BY A PRIOR 2001 NEPA FOOTPRINT, THEREFORE NOT ALL AREAS WITHIN THE CONSTRUCTION LIMITS WERE AVAILABLE TO RELEASE TO THAT CONTRACTOR.

THE TREE CLEARING CONTRACTOR WILL INSTALL SOIL AND EROSION BMP'S FOR THEIR WORK AND LEAVE THEM IN-PLACE FOR THIS CONTRACT TO USE. THIS CONTRACT SHALL ACCEPT THEM AS-IS.

DUE TO WATERWAY PERMITTING REQUIREMENTS, THE TREE CLEARING CONTRACTOR IS REQUIRED TO REMOVE TEMPORARY ACCESS FILLS AND CULVERTS THAT WERE INSTALLED FOR ANY TEMPORARY STREAM CROSSINGS, THEREFORE THIS CONTRACT SHOULD NOT ANTICIPATE THEM TO BE IN PLACE.

THE DEPARTMENT HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN.

UNLESS OTHERWISE INCLUDED IN THE PLANS, THE CONTRACTOR SHALL REMOVE ANY EXISTING ORANGE PLASTIC CONSTRUCTION FENCE, WITHIN THE WORK AREA. THESE ITEMS ARE TO BE REMOVED PER CMS 202. ALL COSTS ASSOCIATED WITH THIS WORK INCLUDING DISPOSAL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN.

SEE ENVIRONMENTAL COMMITMENT PLAN NOTES ON SHEET 15 FOR TREE CLEARING RESTRICTION TIME FRAMES.

FOR INFORMATION ONLY:

THE FOLLOWING AREA IS TO BE CLEARED AND GRUBBED WITH THIS CONTRACT ..... 65.5 ACRES  
(AREAS SHOWN ON SHEETS 16-22 AND TREE CLEARING AREA C SHOWN ON SHEETS 22A-22JJ)

THE FOLLOWING AREA IS TO BE GRUBBED ONLY WITH THIS CONTRACT ..... 321.9 ACRES  
(TREE CLEARING AREAS A AND B SHOWN ON SHEETS 22A-22JJ)

**ITEM SPECIAL - PIEZOMETER**

INSTALL PIEZOMETERS AT SPECIFIED LOCATIONS TO MONITOR PORE WATER PRESSURES OF THE FOUNDATION SOILS PER THE ODOT SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS (SGE) SECTION 502 (2024). INITIAL GROUNDWATER LEVELS SHALL BE RECORDED BY THE CONTRACTOR PRIOR TO EMBANKMENT CONSTRUCTION. DURING EMBANKMENT CONSTRUCTION, THE PIEZOMETER READINGS SHALL BE MONITORED DAILY BY THE CONTRACTOR AND REPORTED TO THE ENGINEER WEEKLY AT A MINIMUM OR DAILY IF ELEVATED READINGS ARE OBSERVED. IF ELEVATED GROUNDWATER LEVELS ARE OBSERVED, NO ADDITIONAL FILL SHALL BE PLACED UNTIL WATER LEVELS RETURN TO PRE-EMBANKMENT ELEVATIONS.

ALL LABOR, EQUIPMENT AND MATERIALS NEEDED TO COMPLETE THE WORK, SHALL BE INCLUDED IN THE PRICE BID FOR ITEM SPECIAL - PIEZOMETER.

THE FOLLOWING TABLE HAS IDENTIFIED THE LOCATIONS AND QUANTITIES WHERE THESE SHALL BE INSTALLED.

STATION	OFFSET (FT)	ELEVATION OF PIEZOMETER TIP	ITEM 203 SPECIAL - PIEZOMETER (EACH)
136+00	60 LEFT	520	1
160+00	60 RIGHT	550	1
219+00	190 RIGHT	575	1
293+00	60 LEFT	525	1
297+68	CENTERLINE	520	1
300+81	CENTERLINE	525	1
322+00	60 RIGHT	570	1
322+00	190 RIGHT	535	1
329+00	190 RIGHT	570	1
340+00	160 LEFT	580	1
371+00	120 LEFT	568	1
377+00	25 LEFT	530	1
TOTAL CARRIED TO GENERAL SUMMARY			12

**ASBESTOS INSPECTION AND ABATEMENT**

THIS CONTRACT DOES NOT INCLUDE ANY ASBESTOS INSPECTION OR ABATEMENT. THE DEPARTMENT IS PERFORMING ASBESTOS INSPECTION OF ALL STRUCTURES THAT ARE REMAINING TO BE DEMOLISHED AND INCLUDED IN THIS CONTRACT FOR DEMOLITION BY ITEM 202 BUILDING DEMOLITION, AS PER PLAN. ANY UNKNOWN REGULATED ASBESTOS FOUND ON A RIGHT-OF-WAY PARCEL ARE TO BE REMOVED IN ACCORDANCE WITH 202 AND OHIO LAW AS EXTRA WORK IN ACCORDANCE WITH 109.04 AND 109.05.

**OEPA NOTIFICATION OF DEMOLITION AND RENOVATION**

A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM, PARTIALLY COMPLETED BY THE ASBESTOS HAZARD EVALUATION SPECIALIST, HAS BEEN INCLUDED AS A SPECIAL PROVISION. THE CONTRACTOR SHALL COMPLETE AND SIGN THE FORMS AND SUBMIT IT TO THE ADDRESS BELOW OR ONLINE AT EBIZ.EPA.OHIO.GOV.

ASBESTOS PROGRAM  
OHIO EPA, DAPC  
P.O. BOX 1049  
COLUMBUS, OH 43216-1049

THE FORM MUST BE SUBMITTED AT LEAST 10 WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION WORK. THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED AND SIGNED FORMS TO THE ENGINEER AS WELL AS THE ASBESTOS HAZARD EVALUATION SPECIALIST.

BASIS FOR PAYMENT: THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR, AND MATERIAL NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORMS. PAYMENTS FOR THIS WORK SHALL BE INCIDENTAL TO EACH OF THE ITEM 202 BUILDING DEMOLISHED, AS PER PLAN ITEMS.

**COOPERATION BETWEEN CONTRACTORS**

AT ANY TIME, THE DEPARTMENT MAY CONTRACT FOR OTHER WORK ON OR NEAR THE PROJECT.

SEPARATE CONTRACTORS WORKING WITHIN THE LIMITS OF THE PROJECT SHALL CONDUCT THEIR WORK WITHOUT INTERFERING WITH OR HINDERING THE PROCESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS AND SHALL COOPERATE WITH EACH OTHER AS DIRECTED BY THE ENGINEER.

**BUILDING DEMOLISHED, AS PER PLAN**

BUILDINGS AND APPURTENANCES SUCH AS, BUT NOT LIMITED TO FENCES, SEPTIC TANKS, CISTERNS, WELLS, BASEMENTS, POOLS, DRIVEWAYS, DRIVE PIPES, PLANTERS, DECORATIVE WALLS ON EACH RIGHT-OF-WAY PARCEL SHALL BE DEMOLISHED IN THEIR ENTIRETY IN ACCORDANCE WITH 202 AND DEBRIS/MATERIAL FROM THE DEMOLITION SHALL BE DISPOSED OF IN ACCORDANCE WITH 105.17 AND ALL AREAS DISTURBED SHALL BE RESTORED IN ACCORDANCE WITH 104.04 TO THE SATISFACTION OF THE ENGINEERS.

ANY UNKNOWN REGULATED UNDERGROUND STORAGE TANKS FOUND ON A RIGHT-OF-WAY PARCEL ARE TO BE REMOVED IN ACCORDANCE WITH 202.08 AS EXTRA WORK IN ACCORDANCE WITH 109.04 AND 109.05.

BURNING IS NOT A PERMISSIBLE METHOD OF REMOVAL UNLESS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY OWNERS OF WATER, ELECTRIC, OR GAS METERS WHEN THE METERS ARE READY FOR REMOVAL AND SHALL BE RESPONSIBLE FOR DISCONNECTION/REMOVAL OF SERVICE LINES FROM PUBLIC AND/OR PRIVATE UTILITY LINES IN COMPLIANCE WITH LOCAL REQUIREMENTS.

**ITEM SPECIAL - MAILBOX SUPPORT**

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

**ITEM 619 FIELD OFFICE, TYPE C, AS PER PLAN**

THE FOLLOWING REQUIREMENTS SHALL BE PROVIDED IN ADDITION TO ITEM 619 FIELD OFFICE, TYPE C:

THE FIELD OFFICE FOR THE DEPARTMENT SHALL BE LOCATED WITHIN 1 MILE OF THE PROJECT RIGHT-OF-WAY AND WITHIN THE STATE OF OHIO. THE DEPARTMENTS FIELD OFFICE SHALL BE CO-LOCATED IN SAME AREA AS CONTRACTORS FIELD OFFICE.

IN ADDITION TO THE FLOOR SPACE FOR OFFICES CITED IN ITEM 619, AN ENCLOSED 800 SQ FEET CONFERENCE ROOM PROVIDED TO ACCOMMODATE AT LEAST 25 PEOPLE WITH CONFERENCE TABLE SUFFICIENT TO SEAT ALL THE CHAIRS FOR EACH PERSON. INCLUDE ONE 70" (MIN) WALL MOUNTED HDTV WITH HDMI INPUT FOR MEETINGS AND PRESENTATIONS. CONFERENCE ROOM SHALL INCLUDE ONE 4FT BY 6FT DRY ERASE WHITEBOARD WITH TRAY AND MARKERS. NETWORK WIRING IN THE ROOM FOR DEDICATED CONFERENCE PHONE. THIS CONFERENCE ROOM WILL BE USED FOR PRESENTATIONS, MEETINGS, DRB AND OTHER COMMON USES BETWEEN THE DEPARTMENT AND CONTRACTOR, BUT ITS USE IS PRIMARILY FOR THE DEPARTMENT UNLESS APPROVED BY THE ENGINEER.

BREAK ROOM INCLUDING MICROWAVE OVEN AND ONE 20 CF REFRIGERATOR.

ONE 25 SF LOCKABLE CLOSET FOR EQUIPMENT.

AT LEAST 5 OFFICES (120 SF MIN) WITH DOORS AND NETWORK WIRING COMING FROM A SEPARATE AND LOCKING DATA CLOSET. DEPARTMENT WILL PROVIDE A NETWORK SWITCH TO CONNECT ITS COMPUTERS AND PHONES TO THE INTERNET FEED PROVIDED BY CONTRACTOR. CONTRACTOR TO PROVIDE TWO DUPLEX ELECTRIC RECEPTACLES AN TWO DATA PORTS INTO EACH OFFICE AND EACH COMMON AREAS, EACH WITH A HOME RUN CAT 5E NETWORK CABLE TO EACH DATA PORT.

PORTABLE RESTROOMS FOR THE FIELD OFFICE ARE NOT ALLOWED AND THEY SHALL BE FLUSHABLE AND SEPARATE FACILITIES PROVIDED FOR MEN AND WOMEN AND EACH INCLUDE HOT AND COLD RUNNING WATER.

OFFICE SPACES AND RESTROOMS SHALL BE SANITIZED, CLEANED, SWEEP AND VACUUMED THREE TIMES PER WEEK AND SHALL OCCUR OUTSIDE OF NORMAL WORKING HOURS.

INTERNET SPEED SHALL BE MINIMUM 300MBPS DOWNLOAD AND 50MBPS UPLOAD.

THE ALL WEATHER PARKING SPACES FOR THE DEPARTMENTS VEHICLES SHALL BE ENCLOSED WITH A 6 FT CHAIN LINK FENCE PER CMS ITEM 710 WITH TWO LOCKING DOUBLE LEAF 8 FT GATES. PARKING AREA AND EXTERIOR OF FIELD OFFICE SHALL HAVE EXTERIOR SECURITY LIGHTING THAT IS AUTOMATICALLY ACTIVATED FOR LOW LIGHT CONDITIONS.

**DURABLE MATERIAL**

DURABLE SANDSTONE AND SILTSTONE ENCOUNTERED DURING EXCAVATION SHOULD FIRST BE USED FOR AREAS REQUIRING ITEM 203 - EMBANKMENT, AS PER PLAN (TYPE C) SHOULD IT MEET THE CRITERIA IDENTIFIED IN THE PLANS. ANY EXCESS DURABLE MATERIAL CAN BE USED FOR REGULAR ITEM 203 - EMBANKMENT AND NOT WASTED.

**ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN**

THE CONTRACTOR SHALL VARY THE BARRIER WIDTH BETWEEN STATIONS 385+75 (RAMP K) AND 386+08.27 (RAMP K) TO TIE INTO THE BARRIER END SECTION AND THE RETAINING WALL.

ALL LABOR, EQUIPMENT AND MATERIALS NEEDED TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN.

**OTHER DEPARTMENT OWNED PROPERTY**

THE DEPARTMENT HAS IDENTIFIED PARCELS THAT ARE CURRENTLY OWNED BY THE DEPARTMENT THAT ARE NOT WITHIN THE LA-ROW THAT MAY BE USED BY THE CONTRACTOR FOR WASTE OR BORROW AREAS, SUBJECT TO THE REQUIREMENTS OF C&MS 105.16, 107.10 AND 107.11.

THE USE OF THE PARCELS FOR THESE PURPOSES IS ALSO RESTRICTED TO ANY EXISTING EASEMENT AND/OR UTILITY RELOCATION OR INSTALLATION PLANS APPROVED FOR THE PROJECT. FOR EXAMPLE, UTILITY EASEMENTS EXIST FOR A PORTION OF PARCEL 121E AND THE CONTRACTOR SHALL NOT IMPACT THE EXISTING GROUND ON THE EASEMENT OR FUTURE UTILITY RELOCATION OR INSTALLATION PLANNED ON THIS PARCEL. THE SAME APPLIES TO OTHER EXCESS (E) PARCELS WITH SIMILAR EASEMENTS OR PLANNED UTILITY RELOCATION OR INSTALLATION.

THE DEPARTMENT MAKES NO GUARANTEE AS TO THE SUITABILITY OF THESE PARCELS FOR WASTE OR BORROW AREAS BUT IS MAKING THEM AVAILABLE FOR THE CONTRACTORS USE.

THESE PARCELS HAVE NOT BEEN STUDIED OR CLEARED WITH THE DEPARTMENTS NEPA OR ENVIRONMENTAL DOCUMENT, NOR HAS ANY MITIGATION BEEN PERFORMED TO ACCOUNT FOR ANY ENVIRONMENTAL IMPACTS ON THESE PARCELS.

IF THE ENGINEER APPROVES THE USE OF ANY OF THESE PARCELS FOR WASTE OR BORROW, THE DEPARTMENT WILL WAIVE THE FEE OF \$0.50 PER CUBIC YARD.

THE PARCELS AVAILABLE FOR USE INCLUDE: 46E, 50E, 55E2, 60E, 90E, 96E, 106E, 106E1, 111E, 112E, 121E, 126E1, 126E2, 126E3, 138E, 139E, 140E.

CALCULATED  
SLP  
CHECKED  
ALB

GENERAL NOTES

LAW - 7 - 2.17

37A  
1247



**EMBANKMENTS - PERMISSIBLE RATES OF CONSTRUCTION**

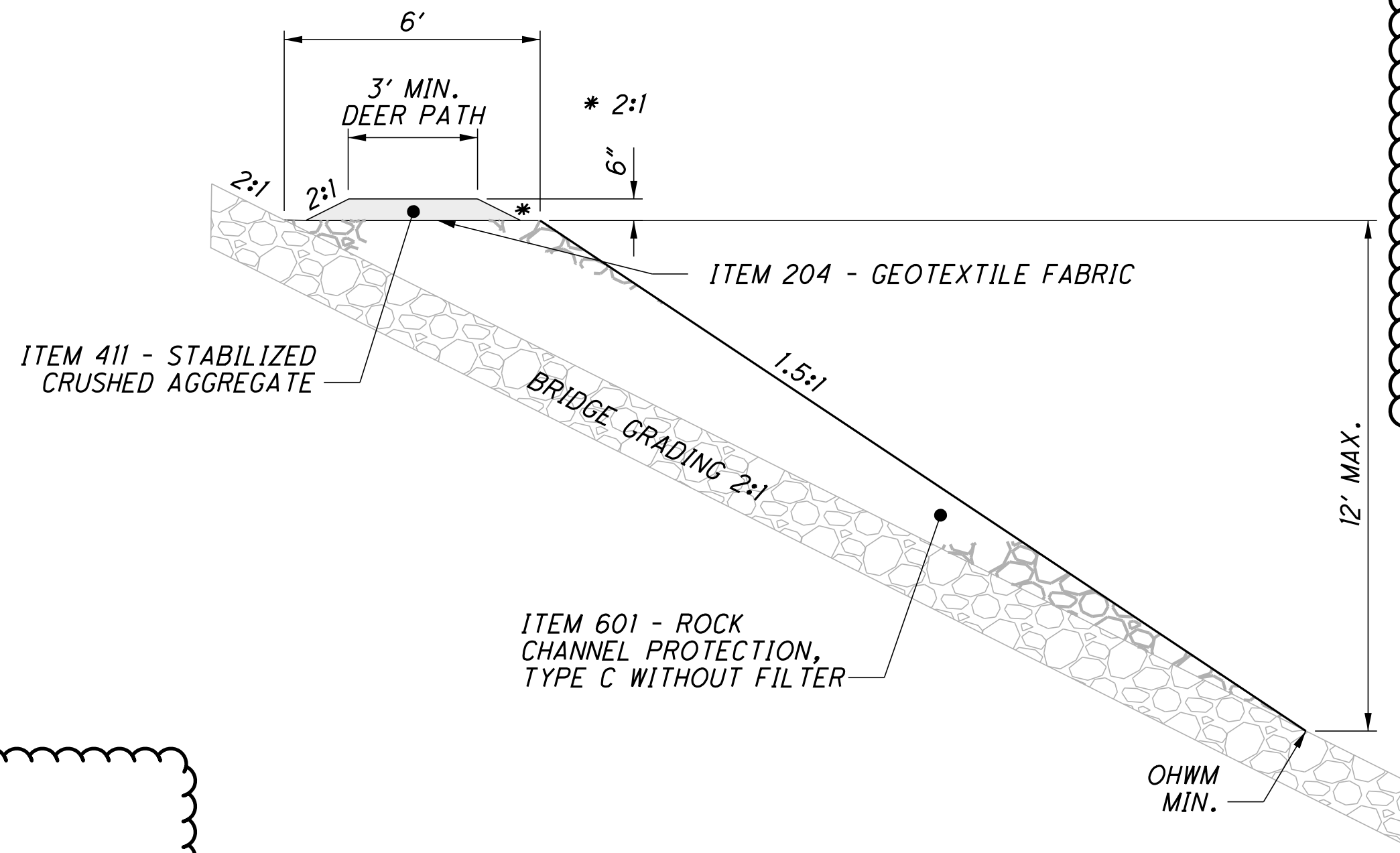
EMBANKMENTS AT THE FOLLOWING LOCATIONS SHALL BE CONSTRUCTED USING NORMAL RATES OF CONSTRUCTION UP THE TO ELEVATIONS LISTED IN THE TABLE BELOW. ABOVE THESE MAXIMUM ELEVATIONS, THE SPECIFIED RATES OF CONSTRUCTION ARE REQUIRED TO INCREASE SHORT TERM SLOPE STABILITY FACTORS OF SAFETY TO ACCEPTABLE LEVELS:

STATION ANALYZED	MAX EMBANKMENT ELEVATION USING NORMAL CONSTRUCTION RATES (FEET)	PERMISSIBLE CONSTRUCTION RATE (FEET/WEEK)	APPROX. STATION INTERVAL FOR RATE CONSTRUCTION
136+00	548	13	136+25 to 146+00
160+00	578	10.7	148+00 to 162+00
219+00	605	3.2	215+00 to 228+50
293+00	545	5	289+00 to 295+00
322+00	609	3.6	316+00 to 324+00
329+00	590	1.3	324+50 to 332+50
340+00	623	11.2	338+50 to 342+00
371+00	593	4.6	342+00 to 374+00
REINFORCED SLOPES			
198+00	565	6.1	196+75 to 199+87
297+68	549	16.4	296+75 to 298+58
300+81	549	16.3	300+06 to 301+00
377+50	573	8.2	376+60 to 378+34, Ramp 1 376+35 to 377+94

**CONSTRUCTED DEER PATH**

THE CONTRACTOR IS TO CONSTRUCT A PROPOSED DEER PATH AT THE LOCATIONS LISTED IN THE TABLE BELOW AND ACCORDING TO THE DETAIL BELOW. THE PATH HAS NOT BEEN SHOWN IN ITS ENTIRETY IN THE PLANS, BUT QUANTITIES HAVE BEEN INCLUDED TO PROVIDE A DEER PATH THAT EXTENDS TO THE LIMITS OF THE ROCK CHANNEL PROTECTION AT THE BRIDGE ABUTMENTS AND TRANSITIONED DOWN TO NATURAL GROUND.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO COMPLETE THIS WORK.



**DEER PASSAGE THROUGH RCP**

LOCATION	LENGTH	TOP OF ROCK CHANNEL PROTECTION ELEVATION	204	411	601
			GEOTEXTILE FABRIC SY	STABILIZED CRUSHED AGGREGATE CY	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER CY
S.R. 7 - BRIDGE LAW-7-071IP REAR ABUTMENT	200	561	111.11	14.81	266.67
S.R. 7 - BRIDGE LAW-7-071IP FORWARD ABUTMENT	157	561	87.22	11.63	209.33
S.R. 7 - BRIDGE LAW-7-0713L/R REAR ABUTMENT	248	561	137.78	18.37	330.67
S.R. 7 - BRIDGE LAW-7-0713L/R FORWARD ABUTMENT	330	561	183.33	24.44	440.00
TOTALS			519.44	69.26	1246.67
TOTALS CARRIED TO GENERAL SUMMARY			520	70	1247

**ITEM 863 - REINFORCED EMBANKMENT, AS PER PLAN**

CONSTRUCT REINFORCED SOIL SLOPES ACCORDING TO SUPPLEMENTAL SPECIFICATION 863 WITH THE EXCEPTION THAT NON-DURABLE SHALE (AS DEFINED IN CMS 703.16.D) IS ANTICIPATED AND ALLOWED FOR USE. ONE SAMPLE OF THE NON-DURABLE SHALE IN A FULLY SOFTENED STATE AS DEFINED BY BUCKET OF WATER TEST PER CMS 703.16.D. SHALL BE TESTED EVERY 50,000 CY OR CHANGE IN MATERIAL FOR COMPLIANCE WITH ORGANIC CONTENT, PLASTICITY INDEX, AND pH REQUIREMENTS OF SS 863. LESS THAN 25% OF THE NON-DURABLE SHALE SHALL BE RETAINED ON THE 3/4-INCH SIEVE AFTER SITTING IN WATER FOR 48 HOURS PER BUCKET OF WATER TEST PER CMS 703.16.D. INSPECTION AND TESTING FOR ITEM 863 SHALL BE PERFORMED PER SUPPLEMENTAL SPECIFICATION 878. MATERIALS OTHER THAN NON-DURABLE SHALE BUT MEETING SS 863 MAY BE PERMITTED AT THE DISCRETION OF THE ENGINEER, HOWEVER, ADJUSTMENTS TO THE REINFORCEMENT SPACINGS AND LENGTHS MAY BE NECESSARY.

PRIMARY REINFORCEMENT TO BE ITEM 863 UNIAXIAL OR BIAXIAL GEOGRID TYPE P1 AND P3. SECONDARY REINFORCEMENT TO BE ITEM 863 BIAXIAL GEOGRID TYPE S1. SECONDARY REINFORCEMENT SPACING OF 1 FOOT AND WIDTH OF 6 FEET. REINFORCEMENT NOT WRAPPED AT SLOPE FACE.

ESTIMATED GEOGRID QUANTITIES WERE BASED ON THE MAXIMUM FILL SECTION. GEOGRID LAYERS CAN BE DISCONTINUED WHEN EXITING GROUND IS HIGHER THAN THE GEOGRID LAYER ELEVATION. ACTUAL GEOGRID QUANTITIES WILL DEPEND ON THE AMOUNT OF UNDERCUTTING, BENCHING, AND SURFACE PREPARATION PERFORMED.

EMBANKMENTS AT THE FOLLOWING LOCATIONS SHALL BE REINFORCED WITH GEOGRID AS INDICATED IN THE FOLLOWING TABLES.

ELEVATION	GEOGRID TYPE	EMBEDMENT LENGTH FT	STA. 134+56 TO STA. 136+25, RT/LT/BRIDGE SPILL THROUGH*	
			863 GEOGRID, TYPE P1 SY	863 GEOGRID, TYPE S1 SY
525	P1	90	5280	
526	P1	90	5280	
527	P1	90	5280	
528	P1	85	4987	
529	P1	85	4987	
530	S1	6		352
531	S1	6		352
532	P1	50	2933	
533	S1	6		352
534	S1	6		352
535	P1	50	2933	
536	S1	6		352
537	S1	6		352
538	P1	50	2933	
539	S1	6		352
540	S1	6		352
541	P1	50	2933	
542	S1	6		352
543	S1	6		352
544	S1	6		352
545	S1	6		352
546	S1	6		352
547	P1	40	2347	
548	S1	6		352
549	S1	6		352
550	S1	6		352
551	S1	6		352
552	S1	6		352
553	P1	40	2347	
554	S1	6		352
555	S1	6		352
556	S1	6		352
557	S1	6		352
558	S1	6		352
559	P1	40	2347	
560	S1	6		352
561	S1	6		352
562	S1	6		352
563	S1	6		352
TOTALS CARRIED TO SHEET			4458741	9504

**ITEM 203 - EMBANKMENT, AS PER PLAN (TYPE C)**

THIS ITEM SHALL CONSIST OF PROVIDING AND PLACEMENT OF THE DRAINAGE LAYER AS SHOWN ON THE CROSS-SECTIONS. THE DRAINAGE LAYER MUST BE CONSTRUCTED TO PREVENT INTERNAL EROSION OR PIPING OF THE EMBANKMENT DURING OR AFTER A FLOOD EVENT. ON-SITE EXCAVATED BEDROCK SUCH AS SANDSTONE OR SILTSTONE MAY BE USED IF THE MATERIAL HAS A SLAKE DURABILITY INDEX (SDI) GREATER THAN 90 PERCENT ACCORDING TO ASTM D 4644-87. MATERIAL WITH AN SDI BETWEEN 85 AND 90 PERCENT IS ALLOWED IF RETAINED MATERIAL AFTER SDI TESTING IS CLASSIFIED AS TYPE I. MATERIAL DESIGNATED FOR THE DRAINAGE LAYER SHALL BE TESTED BY THE CONTRACTOR PRIOR TO PLACEMENT FOR SDI AT A MINIMUM OF ONE TEST EVERY 20,000 CY OR CHANGE IN MATERIAL, AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A QUALITY CONTROL PROGRAM TO CONTROL THE MATERIAL AND WORK IN A METHOD THAT DOES NOT RESULT IN PLACEMENT OF EMBANKMENT WITH NON-CONFORMING MATERIAL. ITEM 712.09 TYPE A GEOTEXTILE FABRIC WITH AN AOS LESS THAN OR EQUAL TO 0.3 MM SHALL BE PLACED ABOVE THE DRAINAGE LAYER TO ASSIST SEPARATION OF THE EMBANKMENT SOIL FROM THE DRAINAGE MATERIAL. THE DRAINAGE LAYER SHALL BE CONSTRUCTED TO A TOP ELEVATION OF 557 WHERE SHOWN ON THE CROSS-SECTIONS. SEE THE DETAIL BELOW FOR ADDITIONAL INFORMATION REGARDING MATERIAL SIZE AND DRAINAGE LAYER BUILDUP. ROCK SPALLS AND ROCK FINES ARE ACCEPTABLE UP TO AN AVERAGE OF 20% OF THE MATERIAL AS DETERMINED BY VOLUME AND VISUAL INSPECTION. AREAS OF PLACED MATERIALS WITH EXCESS FINES MAY BE REJECTED BY THE ENGINEER. SOIL AND NON-DURABLE ROCK SHALL BE LIMITED TO LESS THAN 5% OF THE MATERIAL AS DETERMINED BY VOLUME AND VISUAL INSPECTION. SHOULD THE CONTRACTOR ELECT TO HANdle MATERIAL FOR THIS ITEM, IT MUST MEET THE CRITERIA AS DESCRIBED ABOVE.

557	GEOTEXTILE FABRIC	FILL HEIGHT
555		MATERIAL PROVIDED SHOULD BE LARGE ENOUGH TO CHOKe OFF THE VOIDS IN THE UNDERLYING LAYER AND SMALL ENOUGH TO PROVIDE A SMOOTH SURFACE FOR THE GEOTEXTILE FABRIC.
550	MATERIAL SHALL CONSIST PREDOMINANTLY OF ROCK CONSISTENT TO THE SIZE OF TYPE C OR D DUMPED ROCK PER 703.19.	
	MATERIAL SHALL CONSIST PREDOMINANTLY OF ROCK CONSISTENT TO THE SIZE OF TYPE A, B, C OR D DUMPED ROCK PER 703.19.	

PAYMENT FOR THE ABOVE WORK INCLUDING ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE PAID FOR AT THE CONTRACT PRICE PER CUBIC YARD OF ITEM 203 - EMBANKMENT, AS PER PLAN (TYPE C).

CALCULATED: ALB  
 CHECKED: ALB  
**GENERAL NOTES**  
**LAW - 7 - 2.17**  
 38  
 1247

**ITEM 614. MAINTAINING TRAFFIC**

ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE WITH INDIVIDUAL PROPERTY OWNERS TO MAINTAIN ACCESS, IF THE PROPERTY IS NOT DIRECTLY ACCESSIBLE FOR ANY REASON DURING CONSTRUCTION.

UNLESS OTHERWISE SPECIFIED IN THE PLAN, A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION ON SR 7 SHALL BE MAINTAINED AT ALL TIMES BY USE OF EXISTING SR 7, THE COMPLETED SR 7 BYPASS, AND TEMPORARY SURFACES USING ITEMS 410 AND 614.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

**SEQUENCE OF CONSTRUCTION:**

PHASE 1, SR 7: AT THE WEST END, PERMANENTLY CLOSE MELODY LANE. BEGIN CONSTRUCTION OF SR 7.

PHASE 1, LYNN LANE: CONSTRUCT LYNN LANE IN THE FIRST STEP, AS SHOWN ON SHEET 53. DEMOLISH DOGWOOD LANE PAVEMENT IN STEP 2, AS SHOWN ON SHEET 53A.

PHASE 1, SR 243: CLOSE SR 243 AND DETOUR TRAFFIC AS SHOWN ON SHEET 63. CONSTRUCT CR 69 FROM SR 243 TO CR 118 IN STEP 1. IN STEP 2, OPEN THE CONNECTION FROM SR 243 TO CR 118, AND COMPLETE CONSTRUCTION OF CR 69. STEP 1 MUST BE COMPLETED BY NOVEMBER 15, 2025. STEP 2 MUST BE COMPLETED BY JULY 15, 2026.

PHASE 1, SR 775: CONSTRUCT BYPASS PAVEMENT, WHILE LEAVING THE EXISTING INTERSECTION OF SR 7 AT SR 775 OPEN AT ALL TIMES. CONSTRUCT TEMPORARY PAVEMENT TO TIE-IN EB BYPASS PAVEMENT WITH EXISTING SR 7, AS SHOWN IN THE PLAN. DO NOT INSTALL SURFACE ASPHALT COURSE FROM STA 309+50 TO END PROJECT.

PHASE 2: OPEN THE BYPASS TO TRAFFIC. CLOSE SR 775 AND DETOUR TRAFFIC AS SHOWN ON SHEET 65. MAINTAIN 2-WAY TRAFFIC USING THE PROPOSED EASTBOUND BYPASS LANES CONSTRUCTED IN PHASE 1. COMPLETE CONSTRUCTION OF THE WB LANES ON THE BYPASS.

PHASE 3: MAINTAIN 2-WAY TRAFFIC USING THE PROPOSED WESTBOUND BYPASS PAVEMENT. COMPLETE CONSTRUCTION OF SR 775 INTERCHANGE.

FINAL - COMPLETE FINAL SURFACING AND TRAFFIC CONTROL WORK.

THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**OTHER WORK RESTRICTIONS**

OUTSIDE OF THE WORK WINDOW PERMITTED FOR THE ROAD CLOSURE WITH DETOUR, NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS           FOURTH OF JULY  
NEW YEAR'S       LABOR DAY  
MEMORIAL DAY   THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD.

HOLIDAY/EVENT CLOSURE SCHEDULE	
DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPENED TO TRAFFIC
SUNDAY	12:00N ON FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N ON FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N ON MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N ON TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N ON WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00AM ON WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N ON THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N ON FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION. NEWLY CONSTRUCTED LANE ADDITIONS, ONCE COMPLETED AND INITIALLY OPENED TO TRAFFIC, SHALL BE OPEN TO TRAFFIC DURING ALL SUBSEQUENT DESIGNATED HOLIDAYS AND SPECIAL EVENTS, AND RELATED PERIODS OF TIME, SPECIFIED ABOVE.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

**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.

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO THE 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 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.

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE, IF APPLICABLE. 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.

ROAD WILL BE  
CLOSED MMM-DD  
FOR \_\_ DAYS  
INFO: 1-740-774-8834

ROAD WILL BE  
CLOSED MMM-DD  
PERMANENTLY  
INFO: 1-740-774-8834

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

ITEM	DURATION OF CLOSURE	NOTICE DUE TO THE OFFICE OF COMMUNICATIONS
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	>12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES AND RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION AND TRAVEL PATTERN CHANGES		14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE.

**ITEM 614 - WORKZONE RAISED PAVEMENT MARKER, AS PER PLAN**

WORK ZONE RAISED PAVEMENT MARKERS, AS PER PLAN, AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614 OR C&MS 621 AS SPECIFIED HEREIN.

\* RAISED PAVEMENT MARKERS IN USE DURING THE SNOW-PLOWING SEASON SHALL CONFORM TO 621.

\* RAISED PAVEMENT MARKERS IN USE DURING THE NON-SNOW-PLOW SEASON SHALL CONFORM TO EITHER 614 OR TO 621.

THE SNOW-PLOWING SEASON SHALL RUN FROM OCTOBER 15 THROUGH APRIL 1. IF PROJECT DELAYS, NOT THE FAULT OF ODOT, CAUSE THE WORK TO EXTEND INTO THE SNOW-PLOWING SEASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WORK ZONE RAISED PAVEMENT MARKERS (WZRPMs) CONFORMING TO C&MS 614, WITH RAISED PAVEMENT MARKERS CONFORMING TO 621, AS DETERMINED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THIS ITEM SHALL INCLUDE PURCHASE, INSTALLATION AND REMOVAL OF ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN, INCLUDING FILLING OF ANY DEPRESSIONS CREATED IN THE PAVEMENT AS PER C&MS 621.08.

C:\EEC\Projects\LAW-7\Stantec\CADD\Phase\_2B\M0T\Sheets\42-75923\MN001.dgn Sheet 11/25/2024 3:00:46 PM mhunt

CALCULATED  
MJH  
CHECKED  
KAE

MAINTENANCE OF TRAFFIC GENERAL NOTES

LAW - 7 - 2.17

**LANE VALUE CONTRACT (PN 127)**

THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME THE DESCRIBED CRITICAL LANE/RAMP IS RESTRICTED FROM FULL USE BY THE TRAVELING PUBLIC WITHIN THE RESTRICTED TIME PERIOD. THE LANE VALUE CONTRACT TABLE IS PROVIDED BELOW. THE DISINCENTIVES WILL BE ASSESSED FOR ALL RESTRICTIONS OF THE CRITICAL WORK.

CRITICAL WORK IS SHOWN IN THE LANE VALUE CONTRACT TABLE. CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTIONS OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED. UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE WITH SPECIFIED STRIPING AND SAFETY FEATURES IN PLACE.

LANE VALUE CONTRACT TABLE - LANE CLOSURES					
SHEET NUMBER	ROUTE	MOVEMENT	RESTRICTED HOURS	DAYS	DISINCENTIVE (PER MINUTE)
48	SR 7	2-WAY, 1-LANE	6AM-8AM	WEEKDAYS	\$90
			3PM-6PM	WEEKDAYS	
			ALL HOURS	HOLIDAYS	

LANE VALUE CONTRACT TABLE - DETOURS				
SHEET NUMBER	CLOSURE	DETOUR ROUTE	DURATION (DAYS)	DISINCENTIVE AMOUNT PER DAY
65	SR 775	SR 7 TO BYPASS TO SR 243 TO SR 378 TO SR 217	365	\$5000

**DUST CONTROL**

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616 WATER 20,000 M. GAL.

**ITEM 614 - DETOUR SIGNING**

THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE DETOUR SIGNING SHOWN ON SHEETS 63 THRU 66. DETOUR SIGNS SHALL BE ERECTED AND/OR UNCOVERED PRIOR TO THE ROAD OR RAMP BEING CLOSED TO TRAFFIC BUT NO EARLIER THAN FOUR HOURS PRIOR TO THE CLOSURE. DETOUR SIGNS SHALL BE COVERED AND/OR REMOVED NO LATER THAN FOUR HOURS FOLLOWING THE ROAD OR RAMP RE-OPENING TO TRAFFIC.

PAYMENT FOR ALL MATERIAL, LABOR AND EQUIPMENT TO IMPLEMENT THE DETOUR SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

**INTERIM COMPLETION DATE**

THE CONTRACTOR SHALL COMPLETE ALL CRITICAL WORK AND SAFETY ITEMS ACCORDING TO THE INCENTIVE/ DISINCENTIVE CONTRACT TABLE. IN THE EVENT THE CONTRACTOR IMPEDES THE FLOW OF TRAFFIC SUBSEQUENT TO THE OPENING TO UNRESTRICTED TRAFFIC, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE ACCORDING TO THE INCENTIVE/ DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS SHOWN IN THE INCENTIVE/DISINCENTIVE CONTRACT TABLE. CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTION OF WORK OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE. UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE AT THEIR FINAL DESIGN WIDTH ON PERMANENT LEVELING COURSE PAVEMENT (OR WORK ZONE PAVEMENT), ALONG WITH NO RESTRICTIONS WITHIN 2 FEET OF THE EDGE LINE ON THE SHOULDERS.

DISINCENTIVE AMOUNT: THE CONTRACTOR WILL BE PAID AN INCENTIVE OR WILL BE ASSESSED A DISINCENTIVE ACCORDING TO THE DISINCENTIVE CONTRACT TABLE. EXTENSIONS OF TIME WILL BE FOR CALENDAR DAYS AND CALCULATED IN ACCORDANCE WITH C&MS 108.06 EXCEPT AS FOLLOWS: NO EXTENSIONS OF TIME WILL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES (UNLESS SUCH DELAYS ARE INDUSTRY WIDE), AND LABOR STRIKES (UNLESS SUCH STRIKES ARE AREA WIDE).

DISINCENTIVE CONTRACT TABLE		
CR 69 CONSTRUCTION LOCATION	DISINCENTIVE PER DAY	INTERIM DATE END
SR 243 TO CR 118*	\$2,000	NOVEMBER 15, 2025
CR 69 WORK COMPLETE*	\$2,000	JULY 15, 2026

\* IF WORK ZONE MATERIALS ARE NECESSARY TO OPEN THESE ROADWAYS (INCLUDING BUT NOT LIMITED TO WORK ZONE PAVEMENT, WORK ZONE MARKINGS, PORTABEL BARRIER, ETC. ) ALL MATERIAL AND LABOR REQUIRED TO OPEN THE ROADWAYS WILL BE CONSIDERED INCIDENTAL AND INCLUDED WITH ITEM 614, MAINTAINING OF TRAFFIC.

**DELINEATION OF PORTABLE BARRIER**

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL AND ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND CONCRETE PERMANENT BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE ALONG TAPERS AND TRANSITION AREAS AND ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED". PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS. ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.

C:\EEC\Projects\Law-7\Stantec\CADD\Phase\_2B\M01\Sheets\43-75923\MN002.dgn Sheet 11/26/2024 1:30:17 PM mhunt

CALCULATED  
MJH  
CHECKED  
KAE

MAINTENANCE OF TRAFFIC GENERAL NOTES

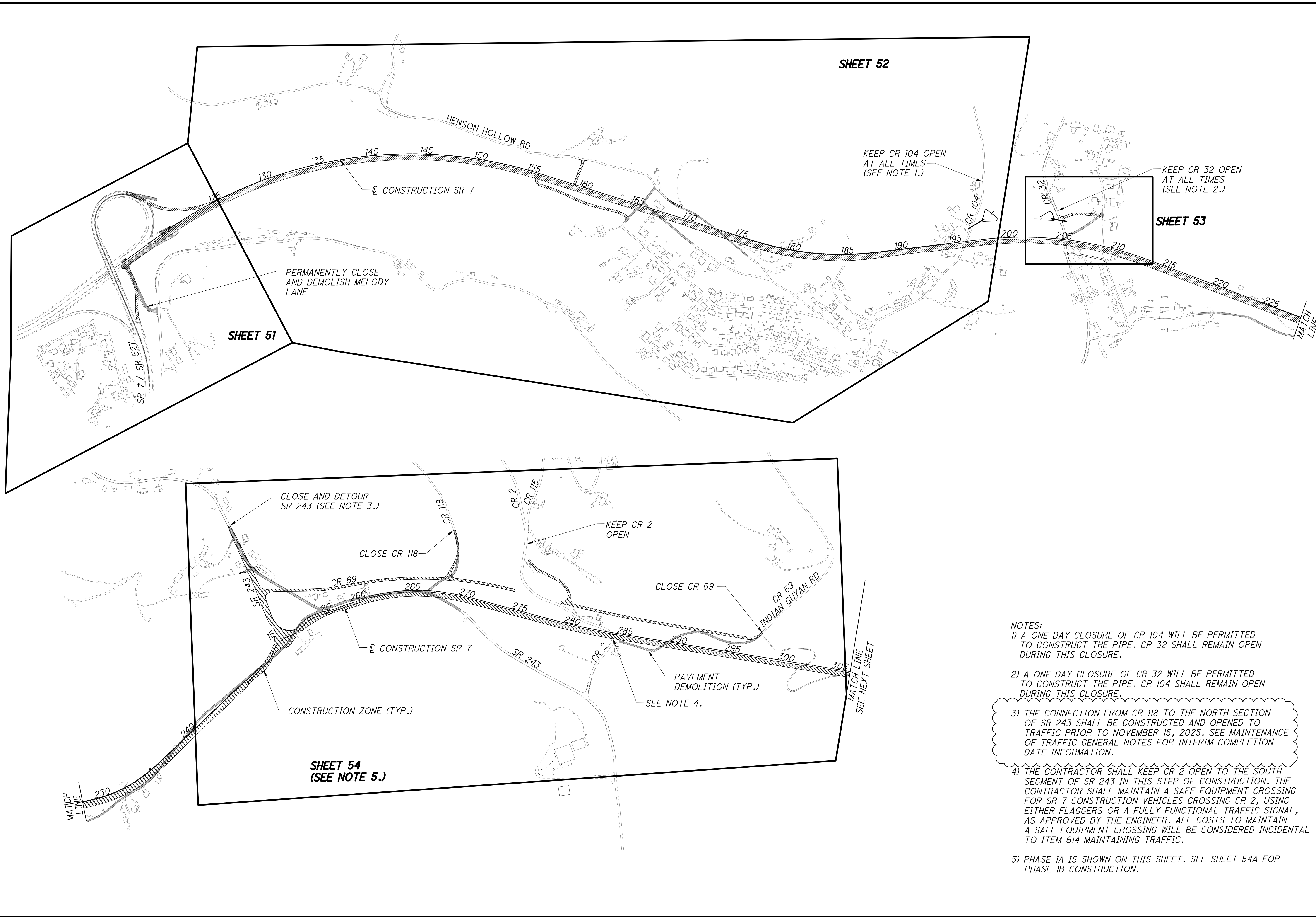
LAW - 7 - 2.17

SHEET NUMBER								PARTICIPATION			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED EAE CHECKED MJH
						43	46		01/NHS/01								
							40		40	614	1110	40	HR	MAINTENANCE OF TRAFFIC			
							1396		1396	614	11630	1396	FT	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE			
							3		3	614	12380	3	EA	INCREASED BARRIER DELINEATION		43	
							LUMP		LUMP	614	12420	LUMP		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		44	
							298		298	614	12801	298	EA	DETOUR SIGNING		43	
														WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN		42	
							25		25	614	18601	25	SN	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN		44	
							4.20		4.20	614	21000	4.20	MI	WORK ZONE CENTER LINE, CLASS I			
							8.34		8.34	614	22010	8.34	MI	WORK ZONE EDGE LINE, CLASS I, 6"			
							421		421	614	23000	421	FT	WORK ZONE CHANNELIZING LINE, 8", CLASS I			
							24		24	614	26000	24	FT	WORK ZONE STOP LINE, CLASS I			
							2		2	614	30000	2	EA	WORK ZONE ARROW, CLASS I			
							LUMP		LUMP	615	10000	LUMP		ROADS FOR MAINTAINING TRAFFIC			
							437		437	615	25000	437	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B			
							20,000		20,000	616	10000	20,000	MG	WATER			
							1396		1396	622	41100	1396	FT	PORTABLE BARRIER, UNANCHORED			

MAINTENANCE OF TRAFFIC PLAN - GENERAL SUMMARY

LAW - 7 - 2.17

C:\EEC\Projects\Law-7\Stantec\CADD\Phase\_2B\WOT\Sheets\47-75923MD\01.dgn Sheet 11/25/2024 3:14:03 PM mhunt



SHEET 52

SHEET 51

SHEET 53

SHEET 54  
(SEE NOTE 5.)

KEEP CR 104 OPEN  
AT ALL TIMES  
(SEE NOTE 1.)

KEEP CR 32 OPEN  
AT ALL TIMES  
(SEE NOTE 2.)

PERMANENTLY CLOSE  
AND DEMOLISH MELODY  
LANE

CLOSE AND DETOUR  
SR 243 (SEE NOTE 3.)

KEEP CR 2  
OPEN

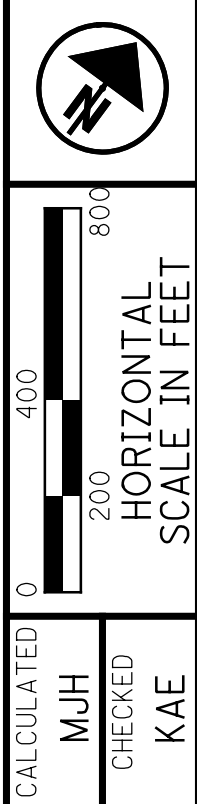
NOTES:  
1) A ONE DAY CLOSURE OF CR 104 WILL BE PERMITTED TO CONSTRUCT THE PIPE. CR 32 SHALL REMAIN OPEN DURING THIS CLOSURE.

2) A ONE DAY CLOSURE OF CR 32 WILL BE PERMITTED TO CONSTRUCT THE PIPE. CR 104 SHALL REMAIN OPEN DURING THIS CLOSURE.

3) THE CONNECTION FROM CR 118 TO THE NORTH SECTION OF SR 243 SHALL BE CONSTRUCTED AND OPENED TO TRAFFIC PRIOR TO NOVEMBER 15, 2025. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES FOR INTERIM COMPLETION DATE INFORMATION.

4) THE CONTRACTOR SHALL KEEP CR 2 OPEN TO THE SOUTH SEGMENT OF SR 243 IN THIS STEP OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A SAFE EQUIPMENT CROSSING FOR SR 7 CONSTRUCTION VEHICLES CROSSING CR 2, USING EITHER FLAGGERS OR A FULLY FUNCTIONAL TRAFFIC SIGNAL, AS APPROVED BY THE ENGINEER. ALL COSTS TO MAINTAIN A SAFE EQUIPMENT CROSSING WILL BE CONSIDERED INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

5) PHASE 1A IS SHOWN ON THIS SHEET. SEE SHEET 54A FOR PHASE 1B CONSTRUCTION.



MAINTENANCE OF TRAFFIC PLAN  
PHASE 1 - WEST END

LAW - 7 - 2.17

NOTES:  
 1) PLACE BARRICADES PER STANDARD DRAWING MT-101.60. ADVANCE WARNING SIGNING MAY BE OMITTED, EXCEPT AS NOTED.

2) PLACE A SIGN ON BOTH SIDES OF THE ROAD, 500' IN ADVANCE OF FIRST DRUM.

3) KEEP SB SR 7 OPEN AT ALL TIMES BEFORE, DURING, AND AFTER CONSTRUCTION OF THE PROPOSED DRAINAGE SYSTEM.

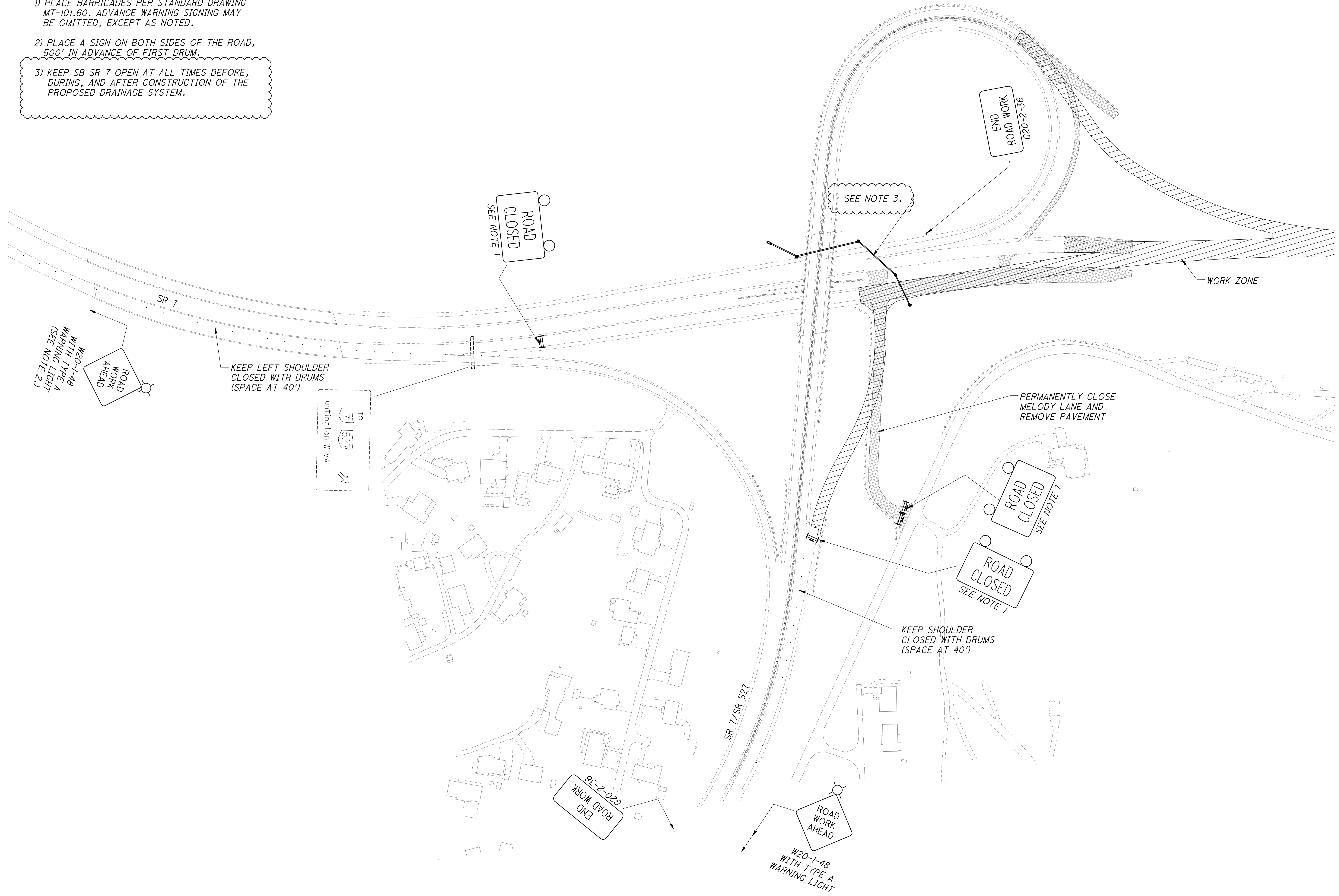
CALCULATED  
 MJH  
 CHECKED  
 KAE

0 100 200  
 HORIZONTAL SCALE IN FEET

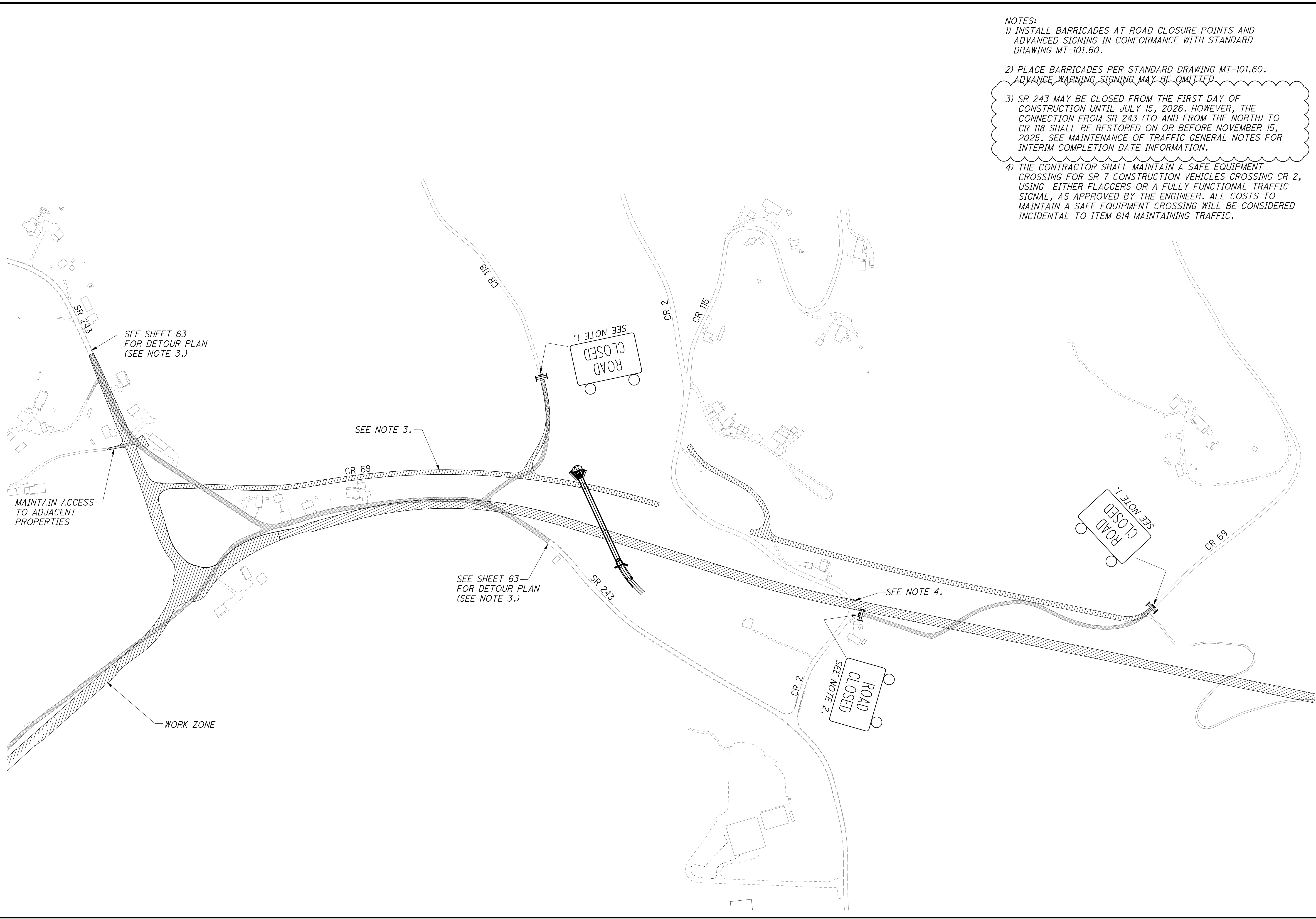
**MAINTENANCE OF TRAFFIC PLAN**  
**PHASE 1 - SR 7 / SR 527 INTERCHANGE**

**LAW-7-2.17**

C:\EEC\Projects\Law-7\Stantec\CADD\Phase\_2B\M01\Sheets\51-75923\MP111.dgn Sheet 11/25/2024 2:56:52 PM mhunt



C:\EEC\Projects\Law-7\Stantec\CADD\Phase\_2B\MOT\Sheets\54-75923MP121.dgn Sheet 11/25/2024 3:06:31 PM mhunt



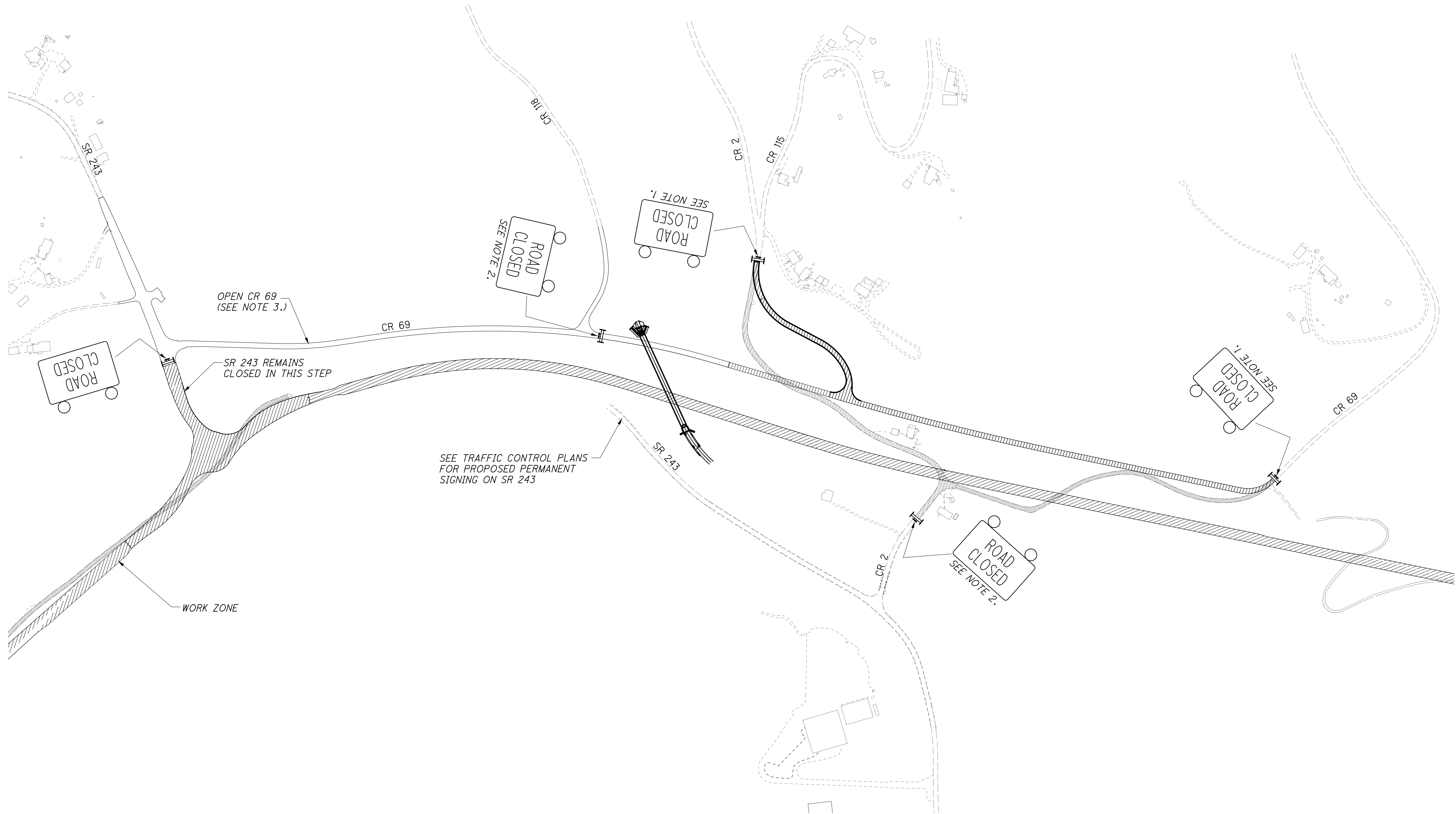
- NOTES:
- 1) INSTALL BARRICADES AT ROAD CLOSURE POINTS AND ADVANCED SIGNING IN CONFORMANCE WITH STANDARD DRAWING MT-101.60.
  - 2) PLACE BARRICADES PER STANDARD DRAWING MT-101.60. ADVANCE WARNING SIGNING MAY BE OMITTED.
  - 3) SR 243 MAY BE CLOSED FROM THE FIRST DAY OF CONSTRUCTION UNTIL JULY 15, 2026. HOWEVER, THE CONNECTION FROM SR 243 (TO AND FROM THE NORTH) TO CR 118 SHALL BE RESTORED ON OR BEFORE NOVEMBER 15, 2025. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES FOR INTERIM COMPLETION DATE INFORMATION.
  - 4) THE CONTRACTOR SHALL MAINTAIN A SAFE EQUIPMENT CROSSING FOR SR 7 CONSTRUCTION VEHICLES CROSSING CR 2, USING EITHER FLAGGERS OR A FULLY FUNCTIONAL TRAFFIC SIGNAL, AS APPROVED BY THE ENGINEER. ALL COSTS TO MAINTAIN A SAFE EQUIPMENT CROSSING WILL BE CONSIDERED INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

CALCULATED  
M/JH  
CHECKED  
K/AE

0 200 400  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN  
PHASE 1 - SR 7 / SR 243 INTERSECTION**

C:\EEC\Projects\Law-7\Stantec\CADD\Phase\_2B\MOT\Sheets\54A-75923\MP122.dgn Sheet 11/25/2024 3:09:35 PM mhunt



- NOTES:
- 1) INSTALL BARRICADES AT ROAD CLOSURE POINTS AND ADVANCED SIGNING IN CONFORMANCE WITH STANDARD DRAWING MT-101.60.
  - 2) PLACE BARRICADES PER STANDARD DRAWING MT-101.60. ADVANCE WARNING SIGNING MAY BE OMITTED.
  - 3) THE CONNECTION FROM SR 243 (TO AND FROM THE NORTH) TO CR 118 SHALL BE RESTORED ON OR BEFORE NOVEMBER 15, 2025. CR 69 CONSTRUCTION SHALL BE COMPLETED AND OPENED TO TRAFFIC PRIOR TO JULY 15, 2026. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES FOR INTERIM COMPLETION DATE INFORMATION.

CALCULATED  
MJH  
CHECKED  
KAE

0 200 400  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN  
PHASE 1, STEP 2 - SR 7 / SR 243**

**LAW - 7 - 2.17**

54A  
1247



U:\173608714 LAW\759233\roadway sheets\75923GG001.dgn 12/5/2024 9:42:49 AM siparker

Table with columns: SHEET NUM., PART., ITEM, ITEM EXT, GRAND TOTAL, UNIT, DESCRIPTION, SEE SHEET NO.

Table with columns: CALCULATED, SLP, CHECKED, ALB. Includes text: GENERAL SUMMARY and LAW - 7 - 2.17.





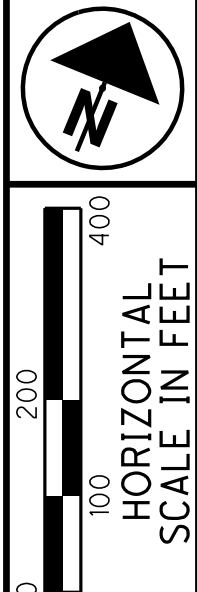
U:\173608714\LA\759233\roadway\_sheets\759233\S011.dgn 12/4/2024 3:39:41 PM siparker

SHEET NO.	STATION		SIDE	203				204				304	601			602	605	611		659	670	863
	FROM	TO		EXCAVATION CY	EMBANKMENT CY	EMBANKMENT, AS PER PLAN (TYPE C) CY	EMBANKMENT, USING NATURAL SOILS, 703.16A CY	EXCAVATION OF SUBGRADE CY	GRANULAR MATERIAL, TYPE B CY	GEOTEXTILE FABRIC SY	SUBGRADE COMPACTION SY	AGGREGATE BASE SY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER CY	RETENTION BASIN FILTER SY	CONCRETE MASONRY CY	6" UNCLASSIFIED PIPE UNDERDRAINS, AS PER PLAN FT	CATCH BASIN, NO. 2-3, AS PER PLAN EACH	15" CONDUIT, TYPE C FT	SEEDING AND MULCHING, CLASS 3C SY	SLOPE EROSION PROTECTION SY	REINFORCED EMBANKMENT CY
418	S.R. 7 114+30.42	437+16.83	RT/LT	3504150	4199122	541262		12910	12910	53279	53279								844640		237999	
424	RAMP C 116+33.24	123+68.17	RT/LT	1696	4746														6325			
430	RAMP D 115+19.00	120+82.54	RT/LT	14950	52			1206	1206	1188	1188								6501			
436	RAMP I 373+63.81	380+81.60	RT/LT		94784														6040		50807	
441	RAMP J 387+15.12	391+15.81	RT/LT	82404	198			187	187	1087	1087								11456			
456	RAMP K 384+99.45	397+51.56	RT/LT	600221	2027			789	789	4549	4549								59627			
464	RAMP L 379+89.28	389+81.39	RT/LT	139	5052														16975		102171	
501	S.R. 243 11+00.00	21+54.00	RT/LT	242716	2913			513	513	2799	2799								31648			
579	S.R. 775 45+42.93	70+75.00	RT/LT	97045	81378			435	435	1544	1544								42055		133410	
472	BRENTWOOD EMERGENCY ACCESS 13+40.00	22+85.54	RT/LT	748	9222	10209													5396			
475	HENSON HOLLOW EMERGENCY ACCESS 10+00.00	12+60.04	RT/LT	143	2425														1834			
478	C.R. 104 12+00.00	17+03.97	RT/LT	2123	3986														3792			
481	C.R. 32 10+00.00	15+00.00	RT/LT	2164	1951														2511			
485	LYNN LANE 10+10.00	13+90.68	RT/LT	2259	838			308	308	909	909								3046			
489	DOGWOOD LANE EXTENSION 10+05.78	13+46.62	RT/LT	690	233														1369			
546	C.R. 69 9+90.51	56+73.01	RT/LT	269898	113092	23726		422	422	2465	2465								91495			
552	C.R. 118 10+18.30	14+76.01	RT/LT	51044	913	6958		108	108	235	235								13375			
558	C.R. 2 10+18.28	17+58.28	RT/LT	26942	645														12099			
670	DETENTION BASIN #1		RT/LT	364.98		762.87				57.32	12.74	260.12	12.78	553.42	0.75	46	1	39	1258.80	510.37		
671	DETENTION BASIN #2		RT/LT	1106.54		9.75				110.79	24.62	204.01	4.44	345.88	0.75	57	1	62	245.67	474.60		
672	DETENTION BASIN #3		RT/LT	2864.02		5781.23				67.53	15.01	254.89	25.00	580.91	0.75	51	1	56	2917.14	1629.53		
673	DETENTION BASIN #4		RT/LT	20081.62		904.64				427.87	114.67	427.87	114.67	676.04	0.75	61	1	62	1340.25	2313.09		
<b>TOTALS</b>				4923749.16	4523577	582155	7458.49	16878	16878	68055	68290.64	52.37	1146.89	156.89	2156.25	3.00	215	4	219	1165945.86	4927.59	524387
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>				4923750	4523577	582155	7459	16878	16878	68055	68291	53	1147	157	2157	3	215	4	219	1165946	4928	524387

CALCULATED	SLP	CHECKED	ALB
<b>SUBSUMMARY</b>			
<b>LAW - 7 - 2.17</b>			
74			
1247			







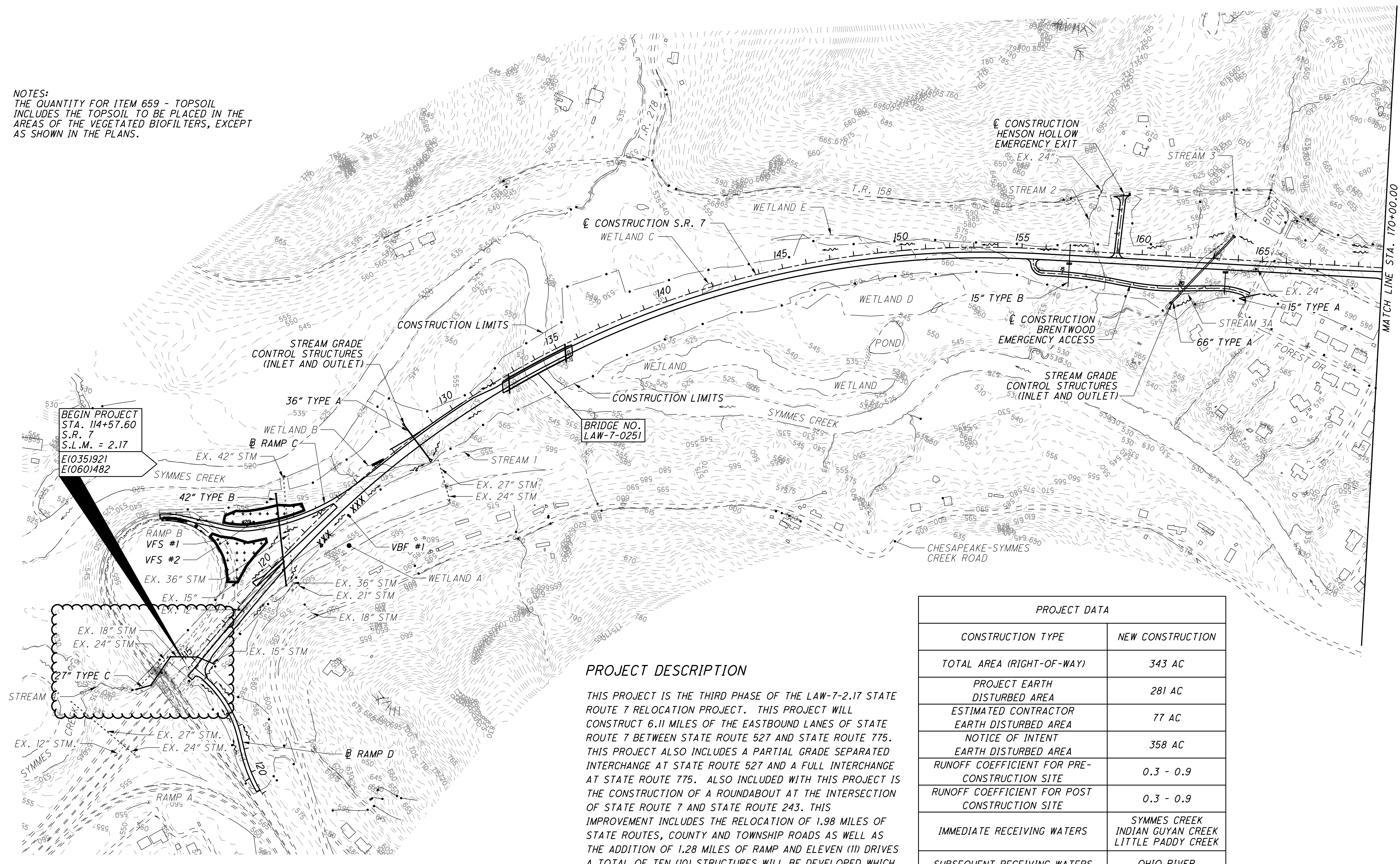
PROJECT SITE PLAN

LAW-7-2.17

LEGEND

- XXX - VEGETATED BIOFILTER (VBF)
- [Symbol] - VEGETATED FILTER STRIP (VFS)

NOTES:  
THE QUANTITY FOR ITEM 659 - TOPSOIL INCLUDES THE TOPSOIL TO BE PLACED IN THE AREAS OF THE VEGETATED BIOFILTERS, EXCEPT AS SHOWN IN THE PLANS.



BEGIN PROJECT  
STA. 114+57.60  
S.R. 7  
S.L.M. = 2.17  
E(035)921  
E(060)482

BRIDGE NO.  
LAW-7-0251

MATCH LINE STA. 170+00.00

PROJECT DESCRIPTION

THIS PROJECT IS THE THIRD PHASE OF THE LAW-7-2.17 STATE ROUTE 7 RELOCATION PROJECT. THIS PROJECT WILL CONSTRUCT 6.11 MILES OF THE EASTBOUND LANES OF STATE ROUTE 7 BETWEEN STATE ROUTE 527 AND STATE ROUTE 775. THIS PROJECT ALSO INCLUDES A PARTIAL GRADE SEPARATED INTERCHANGE AT STATE ROUTE 527 AND A FULL INTERCHANGE AT STATE ROUTE 775. ALSO INCLUDED WITH THIS PROJECT IS THE CONSTRUCTION OF A ROUNDABOUT AT THE INTERSECTION OF STATE ROUTE 7 AND STATE ROUTE 243. THIS IMPROVEMENT INCLUDES THE RELOCATION OF 1.98 MILES OF STATE ROUTES, COUNTY AND TOWNSHIP ROADS AS WELL AS THE ADDITION OF 1.28 MILES OF RAMP AND ELEVEN (11) DRIVES A TOTAL OF TEN (10) STRUCTURES WILL BE DEVELOPED WHICH INCLUDE TRAFFIC OVERPASS AND STREAM CROSSING BRIDGES. WORK WILL INCLUDE NEW STORM SEWERS, CULVERTS, NOISE AND RETAINING WALLS, TRAFFIC CONTROL, PAVEMENT MARKING AND LIGHTING.

PROJECT DATA	
CONSTRUCTION TYPE	NEW CONSTRUCTION
TOTAL AREA (RIGHT-OF-WAY)	343 AC
PROJECT EARTH DISTURBED AREA	281 AC
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	77 AC
NOTICE OF INTENT EARTH DISTURBED AREA	358 AC
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.3 - 0.9
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE	0.3 - 0.9
IMMEDIATE RECEIVING WATERS	SYMMES CREEK INDIAN GUYAN CREEK LITTLE PADDY CREEK
SUBSEQUENT RECEIVING WATERS	OHIO RIVER
IMPERVIOUS AREA FOR PRE-CONSTRUCTION SITE	65 AC
IMPERVIOUS AREA FOR POST-CONSTRUCTION SITE	97 AC

USGS MAP: HUNTINGTON QUADRANGLE  
WEST VIRGINIA - OHIO

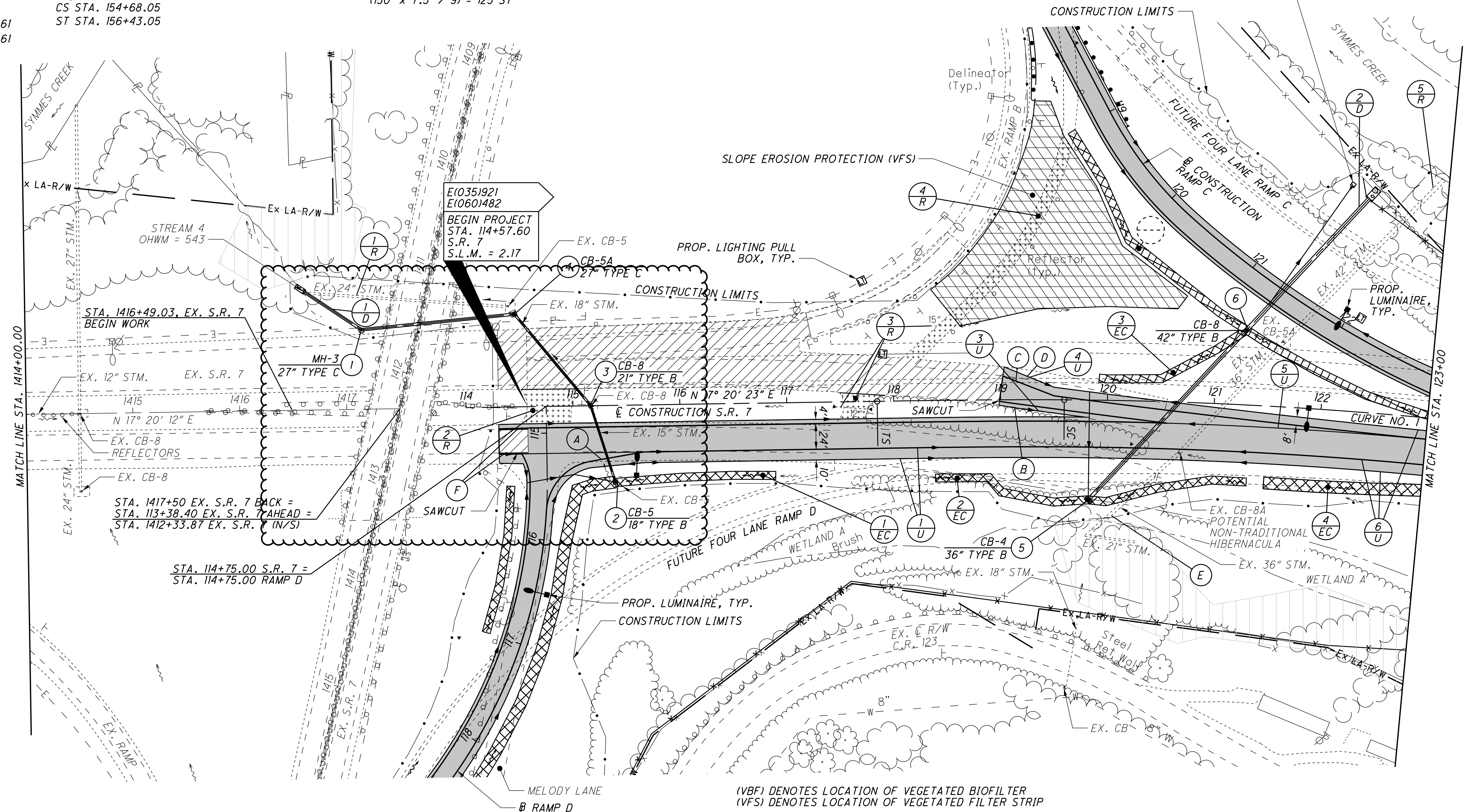
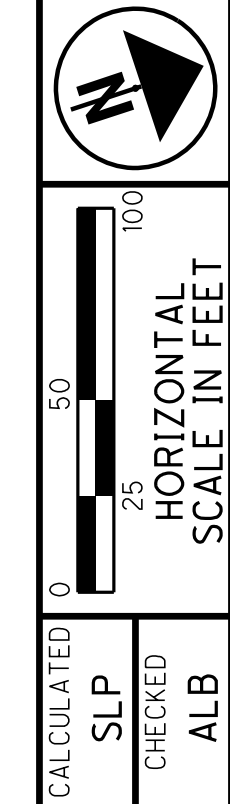
LATITUDE: 38°27'16" \*      \* LATITUDE AND LONGITUDE TO APPROX. CENTER OF PROJECT  
LONGITUDE: 82°25'19" \*

U:\173608714\LAN\75923\drainage\_sheets\759230E003-2B.dgn 11/21/2024 12:00:07 PM aboyce

CURVE DATA  
S.R. 7  
CURVE NO. 1

P.I. STA. 138+60.99  $\theta_s = 1^\circ 16' 21''$   
 $\Delta = 53^\circ 33' 53''$  (RT)  $L_s = 175.00'$   
 $D_c = 1^\circ 27' 15''$   $T_s = 2,076.38'$   
 $R = 3,940.00'$   $LT = 116.67'$   
 $T = 1,880.13'$   $ST = 58.34'$   
 $L = 3,508.44'$   $e_{max} = 4.00\%$   
 $E = 425.60'$   $CS STA. 154+68.05$   
 $TS STA. 117+84.61$   $ST STA. 156+43.05$   
 $SC STA. 119+59.61$

- 1 DITCH EROSION PROTECTION  
EC MAT, TYPE B  
(150' x 7.5' / 9) = 125 SY
- 2 DITCH EROSION PROTECTION  
EC MAT, TYPE B  
(2 x (150' x 7.5' / 9) = 250 SY)
- 3 DITCH EROSION PROTECTION  
EC MAT, TYPE B  
(150' x 7.5' / 9) = 125 SY
- 4 DITCH EROSION PROTECTION (VBF)  
EC (150' x 11' / 9 = 183.33 SY)



PLAN - S.R. 7  
STA. 114+57.60 TO STA. 123+00

LAW - 7 - 2.17

U:\173608714\LA\75923\roadway\_sheets\75923GP001-2A.dgn 12/4/2024 3:40:31 PM siparker

- (A) - STA. 115+15.70  
BEGIN PAVEMENT TAPER, 52' RT.
- (B) - STA. 118+98.44  
BEGIN SHOULDER TAPER, 4.95' RT.
- (C) - STA. 119+02.31  
BEGIN PAVEMENT TAPER, 22.25' LT.
- (D) - STA. 119+03.51  
BEGIN SHOULDER TAPER, 30.74' LT.
- (E) - STA. 119+50.10  
END PAVEMENT TAPER, 3.66' LT.
- (F) - STA. 119+50.10  
END SHOULDER TAPER, 11.73' LT.
- (G) - STA. 120+01.20, 109.89' RT.  
THE CONTRACTOR IS TO REMOVE EXISTING STORM TO THE SPECIFIED LOCATION AND FILL AND PLUG THE REMAINDER.
- (H) - STA. 114+30.42  
BEGIN MILL/FILL, 21.27' RT. & 43.06' RT.
- (I) - STA. 114+57.60  
END MILL/FILL, 21' RT. & 43.06' RT.

- (VBF) DENOTES LOCATION OF VEGETATED BIOFILTER  
(VFS) DENOTES LOCATION OF VEGETATED FILTER STRIP
- DO NOT DISTURB
  - PROPOSED PAVEMENT
  - 3-1/4" MILL/FILL
  - PAVEMENT REMOVED
- QUANTITIES ARE INCLUDED IN REFERENCE NUMBERS 2-R, 3-R AND 4-R FOR THE REMOVAL OF EXISTING PAVEMENT, REGRADING TO ENSURE A DRAINABLE SURFACE AND SEEDING AND MULCHING OF THE AREA SHOWN.

FOR QUANTITIES, SEE SHEETS 71-81  
 FOR PROFILE, SEE SHEET 96  
 FOR RAMP C PLAN & PROFILE, SEE SHEET 419  
 FOR RAMP D PLAN & PROFILE, SEE SHEET 425  
 FOR PAVEMENT DETAILS, SEE SHEET 605  
 FOR INTERCHANGE DETAILS, SEE SHEETS 616-618  
 FOR INTERSECTION DETAILS, SEE SHEET 622  
 FOR STORM SEWER PROFILES, SEE SHEET 639  
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678  
 FOR LANE USAGE AND TRAFFIC CONTROL PLAN, SEE SHEETS 713-773A  
 FOR FENCE TABLES, SEE SHEETS 1039-1041



CURVE DATA  
S.R. 7  
CURVE NO. 4

P.I. STA. 232+01.52     $\theta_s = 9^\circ 30' 00''$   
 $\Delta = 34^\circ 12' 59''$  (LT)     $L_s = 400.00'$   
 $D_c = 4^\circ 45' 00''$      $T_s = 572.79'$   
 $R = 1,206.23'$      $LT = 267.05'$   
 $T = 161.12'$      $ST = 133.68'$   
 $L = 320.35'$      $e_{max} = 8.00\%$   
 $E = 10.71'$     CS STA. 233+49.08  
 TS STA. 226+28.73    ST STA. 237+49.08  
 SC STA. 230+28.73

ROCK CHANNEL PROTECTION,  
TYPE C WITH FILTER  
(53' x 6' x 1.5' / 27 = 17.67 CY)

SEEDING AND EROSION CONTROL  
WITH TURF REINFORCING MAT, TYPE 1  
(196' x 11' / 9 = 239.56 SY)

ROCK CHANNEL PROTECTION  
TYPE C WITH FILTER  
(57' x 11' x 1.5' / 27 = 34.83 CY)

SEEDING AND EROSION CONTROL  
WITH TURF REINFORCING MAT, TYPE 2  
(355' x 14.5' / 9 = 571.94 SY)

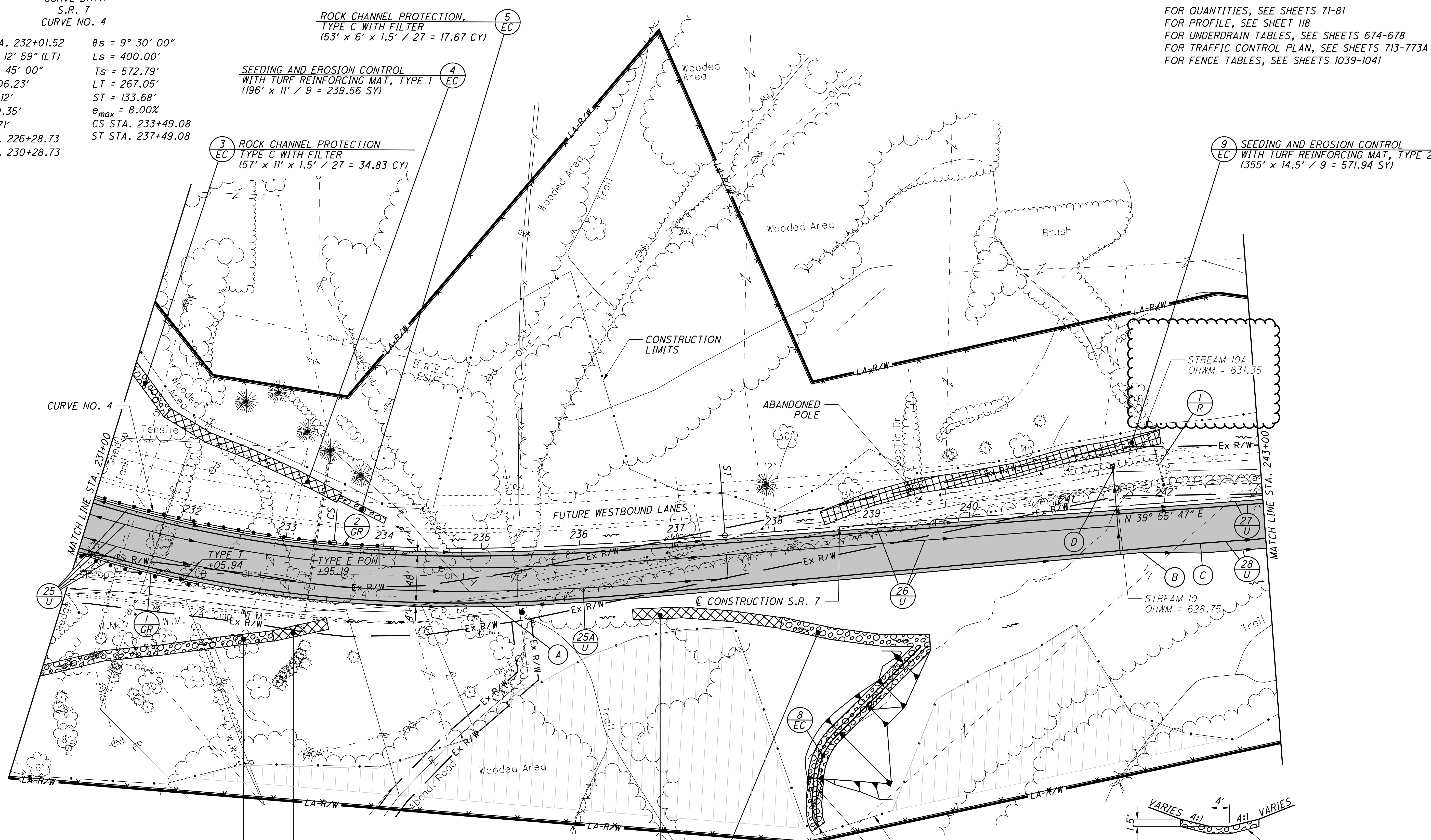
FOR QUANTITIES, SEE SHEETS 71-81  
 FOR PROFILE, SEE SHEET 118  
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678  
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-773A  
 FOR FENCE TABLES, SEE SHEETS 1039-1041



PLAN - S.R. 7  
 STA. 231+00 TO STA. 243+00

LAW - 7 - 2.17

117  
 1247



ROCK CHANNEL PROTECTION,  
TYPE C WITH FILTER  
(243' x 10.5' x 1.5' / 27 = 141.75 CY)

DITCH EROSION PROTECTION  
MAT, TYPE B  
(57' x 11' / 9 = 69.67 SY)

DITCH EROSION PROTECTION  
MAT, TYPE B  
(153' x 11' / 9 = 187 SY)

ROCK CHANNEL PROTECTION,  
TYPE C WITH FILTER  
(152' x 12' x 1.5' / 27 = 101.33 CY)

DITCH TYPICAL SECTION

CONTRACTOR TO FILL AND REGRADE THE EXISTING CHANNEL TO TIE INTO THE PROPOSED ROADSIDE DITCH USING THE TYPICAL SECTION ABOVE. THE FOLLOWING QUANTITIES ARE INCLUDED IN REFERENCE NUMBER 8-EC TO COMPLETE THIS WORK.

ITEM 203 - EXCAVATION	5 CY
ITEM 203 - EMBANKMENT	1932 CY
ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	203 CY
ITEM 659 - SEEDING AND MULCHING	1100 SY

DO NOT DISTURB  
 PROPOSED PAVEMENT

A - STA. 235+13.20  
 BEGIN PAVEMENT TAPER, 56' RT.

C - STA. 242+33.20  
 END PAVEMENT TAPER, 44' RT.  
 END SHOULDER TAPER, 54' RT.

B - STA. 241+73.20  
 BEGIN SHOULDER TAPER, 49' RT.

D - PRECAST REINFORCED OUTLET WITH  
 TIED CONCRETE BLOCK MAT

(LF) DESIGNATES  
 LEACH FIELD

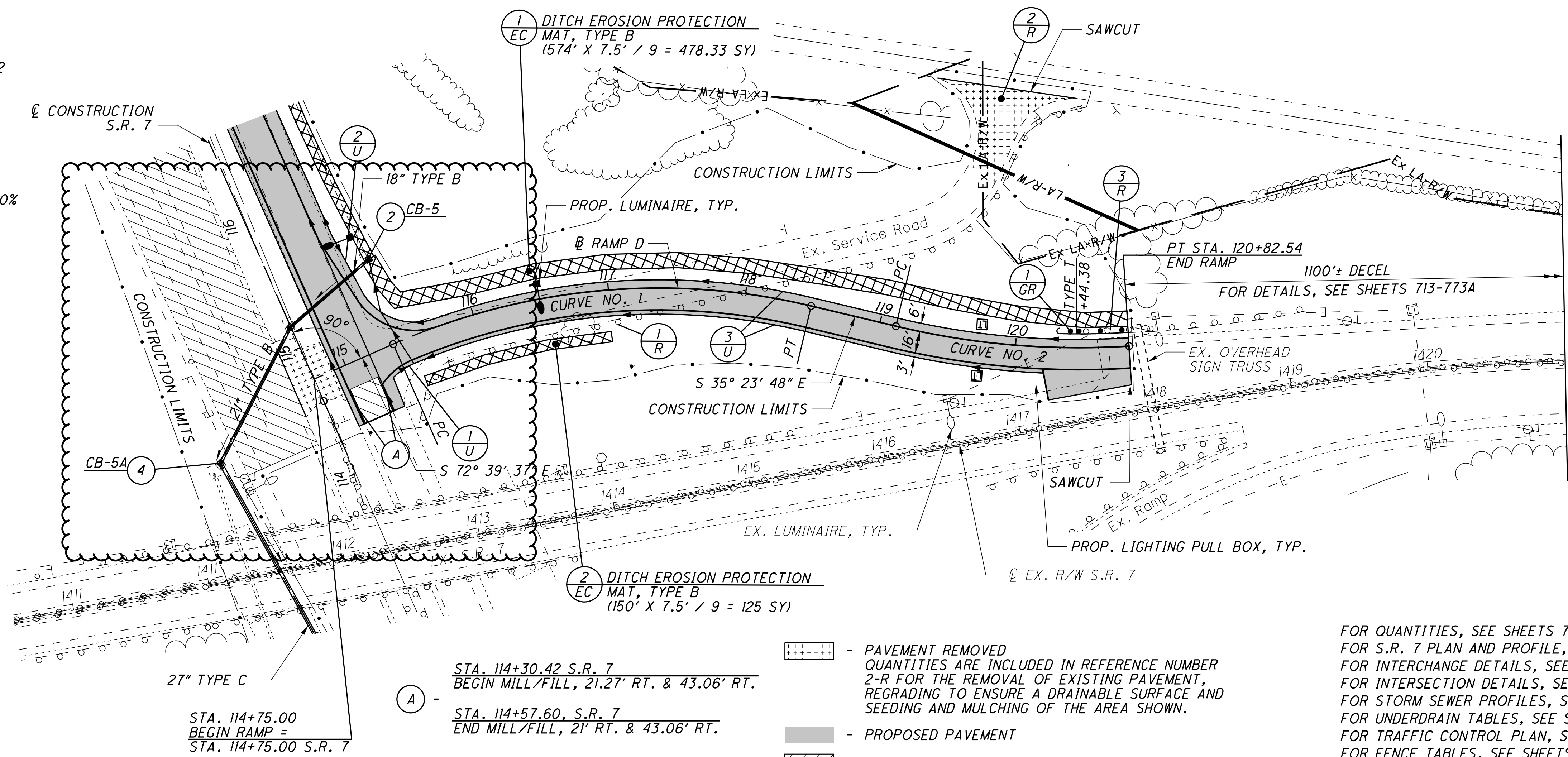
U:\173608714\LAW\75923\roadway\_sheets\75923\36P011-2A.dgn 12/4/2024 3:41:12 PM siparker

CURVE DATA  
RAMP D  
CURVE NO. 1

P.I. STA. 116+98.84  
 $\Delta = 37^\circ 15' 49''$  (RT)  
 $D_c = 12^\circ 00' 00''$   
 $R = 477.46'$   
 $T = 160.98'$   
 $L = 310.53'$   
 $E = 26.41'$   
 $e_{max} = 7.30\%$   
 PC STA. 115+37.96  
 PT STA. 118+48.49

CURVE DATA  
RAMP D  
CURVE NO. 2

P.I. STA. 119+97.82  
 $\Delta = 17^\circ 04' 16''$  (LT)  
 $D_c = 10^\circ 00' 00''$   
 $R = 572.96'$   
 $T = 85.99'$   
 $L = 170.71'$   
 $E = 6.42'$   
 $e_{max}$  (N.D.C.) = 6.70%  
 $e_{max} = 1.60\%$   
 PC STA. 119+11.83  
 PT STA. 120+82.54

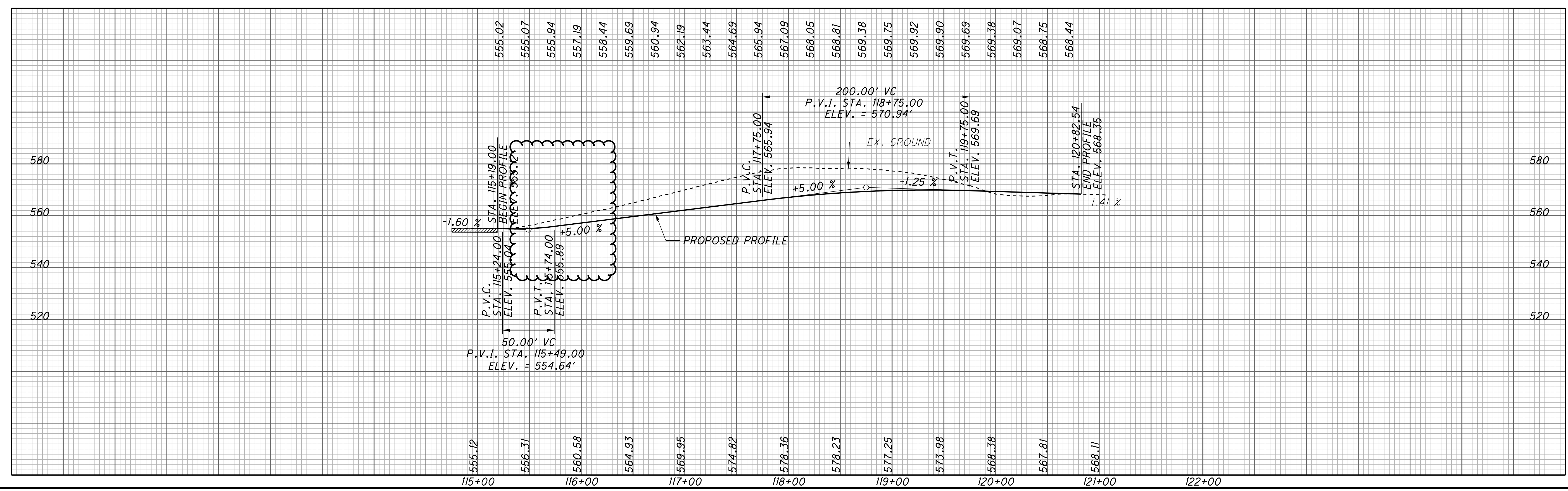


STA. 114+75.00  
 BEGIN RAMP =  
 STA. 114+75.00 S.R. 7

(A) - STA. 114+30.42 S.R. 7  
 BEGIN MILL/FILL, 21.27' RT. & 43.06' RT.  
 STA. 114+57.60, S.R. 7  
 END MILL/FILL, 21' RT. & 43.06' RT.

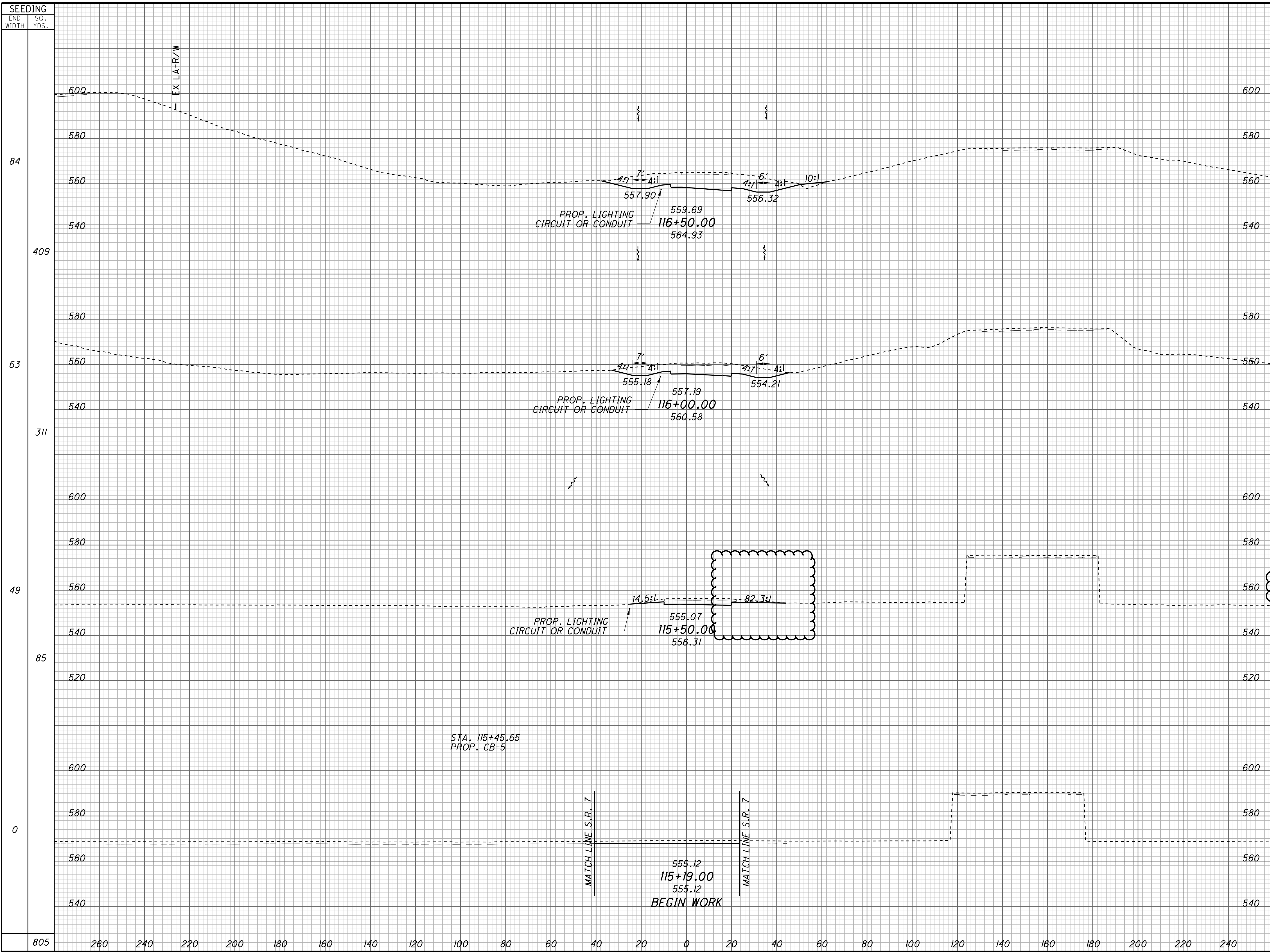
- PAVEMENT REMOVED  
 QUANTITIES ARE INCLUDED IN REFERENCE NUMBER  
 2-R FOR THE REMOVAL OF EXISTING PAVEMENT,  
 REGRADING TO ENSURE A DRAINABLE SURFACE AND  
 SEEDING AND MULCHING OF THE AREA SHOWN.
- PROPOSED PAVEMENT
- 3-1/4" MILL/FILL

FOR QUANTITIES, SEE SHEETS 71-81  
 FOR S.R. 7 PLAN AND PROFILE, SEE SHEETS 95-96  
 FOR INTERCHANGE DETAILS, SEE SHEETS 616-618  
 FOR INTERSECTION DETAILS, SEE SHEET 622  
 FOR STORM SEWER PROFILES, SEE SHEET 639  
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678  
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-773A  
 FOR FENCE TABLES, SEE SHEETS 1039-1041



U:\173608714\LAN\75923\roadway\_sheets\75923GP101-2B.dgn 12/5/2024 12:20:24 PM aboyce

U:\173608714\LAN\75923\roadway\_sheets\75923\XS11000-2B.dgn 12/4/2024 3:46:51 PM sparker



END AREA	VOLUME	CALCULATED	CHECKED	SLP	ALB
451	13				
277	0				
77	0				
55	0				
18	0				
1057	12				

**CROSS SECTIONS RAMP D**  
**STA. 115+19.00 TO STA. 116+50.00**

**LAW - 7 - 2.17**

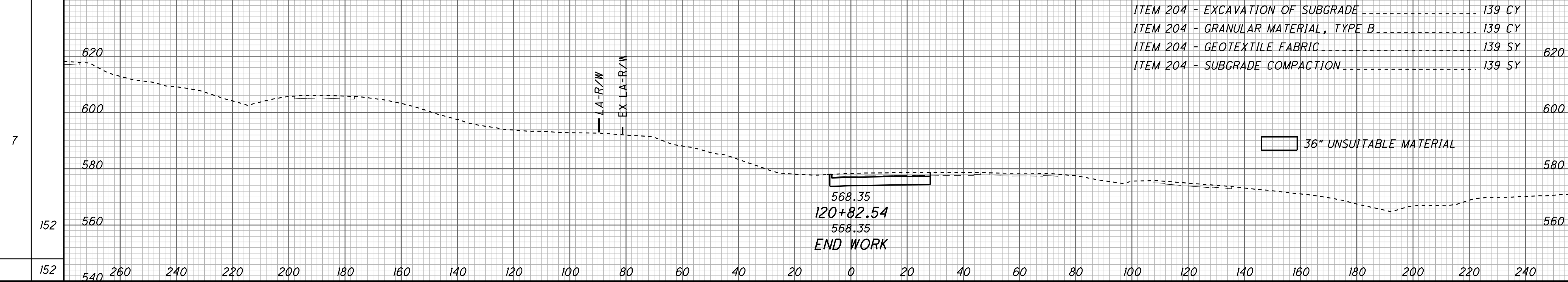
427  
1247

U:\173608714 LAW\75923\roadway\_sheets\75923\XS11003-2B.dgn 12/4/2024 3:46:53 PM sjparker

SEEDING	
END WIDTH	SO. YDS.
152	152
152	152

END AREA		VOLUME		CALCULATED SLP	CHECKED ALB
CUT	FILL	CUT	FILL		
12	0	139	2		
		139	2		

ITEM 203 - EXCAVATION ..... 14,950 CY  
 ITEM 203 - EMBANKMENT ..... 52 CY  
 ITEM 204 - EXCAVATION OF SUBGRADE ..... 1,206 CY  
 ITEM 204 - GRANULAR MATERIAL, TYPE B ..... 1,206 CY  
 ITEM 204 - GEOTEXTILE FABRIC ..... 1,188 SY  
 ITEM 204 - SUBGRADE COMPACTION ..... 1,188 SY  
 ITEM 659 - SEEDING AND MULCHING, CLASS 3C ..... 6,501 CY  
 QUANTITIES CARRIED TO THE SUBSUMMARY, SEE SHEET 74.



ITEM 204 - EXCAVATION OF SUBGRADE ..... 139 CY  
 ITEM 204 - GRANULAR MATERIAL, TYPE B ..... 139 CY  
 ITEM 204 - GEOTEXTILE FABRIC ..... 139 SY  
 ITEM 204 - SUBGRADE COMPACTION ..... 139 SY

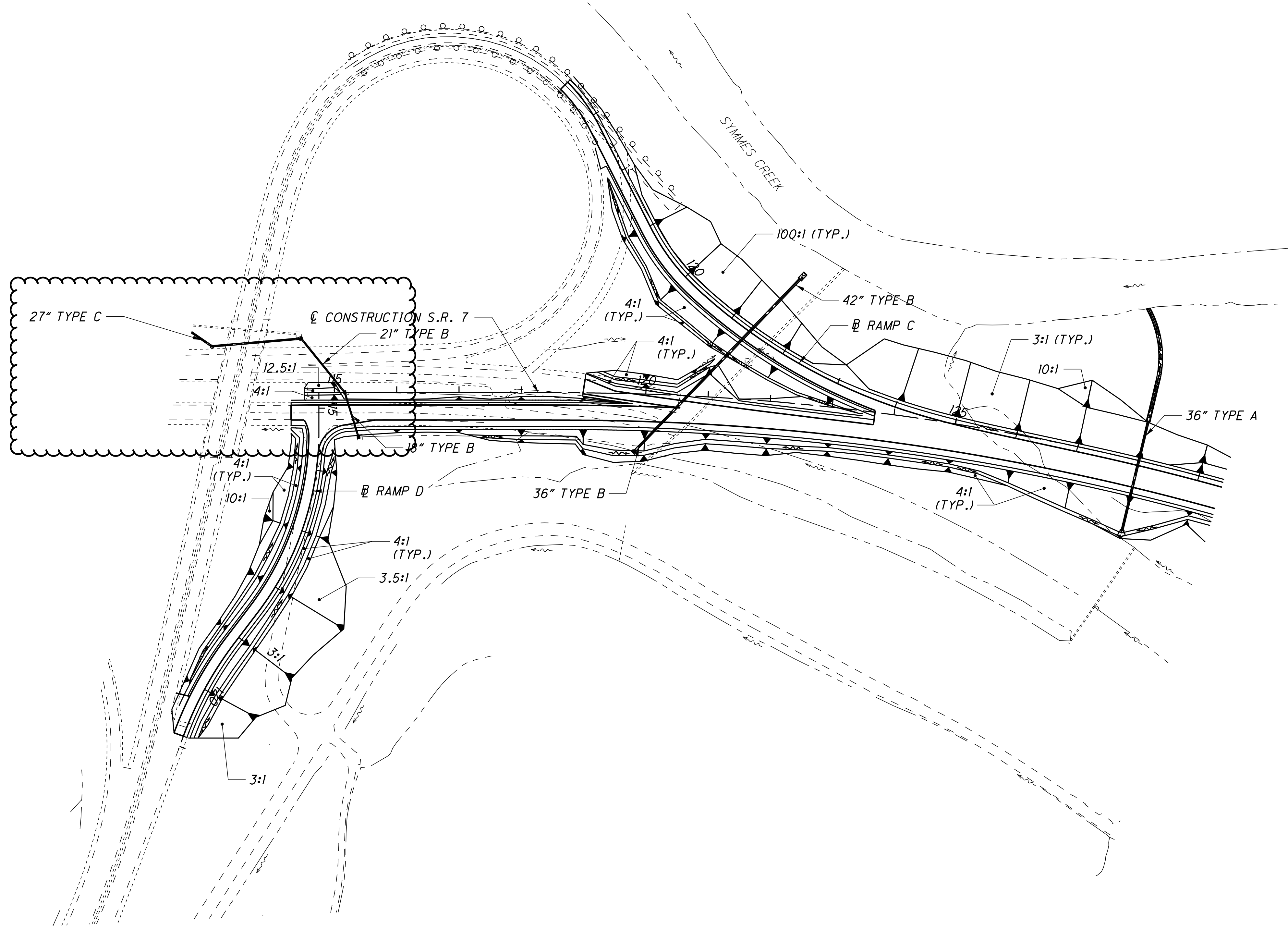
36" UNSUITABLE MATERIAL

568.35  
 120+82.54  
 568.35  
 END WORK

CROSS SECTIONS RAMP D  
 STA. 120+82.54

LAW - 7 - 2.17

430  
 1247



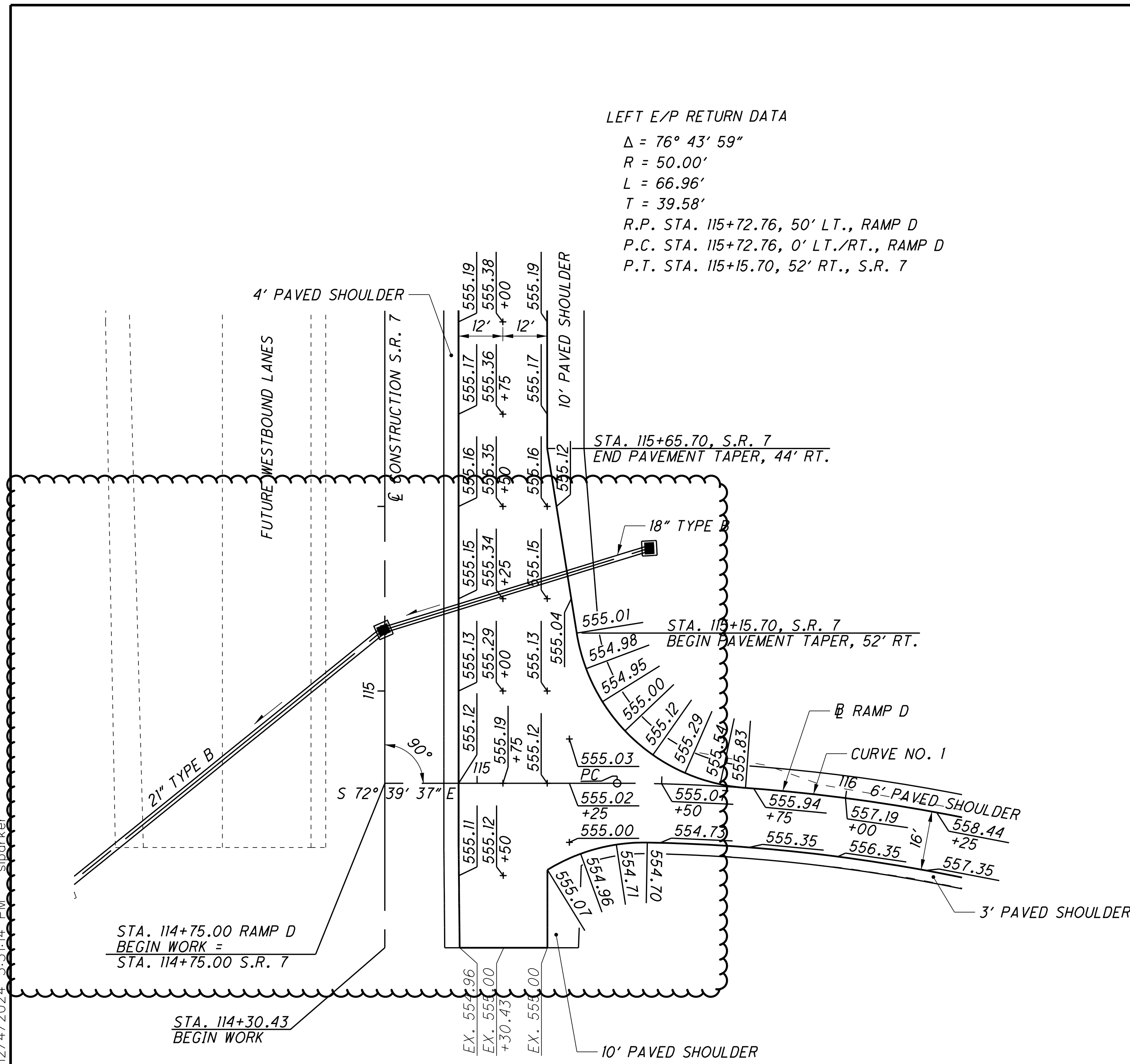
CALCULATED	SLP
CHECKED	ALB

0 100 200  
HORIZONTAL  
SCALE IN FEET

**INTERCHANGE DETAILS**  
**GRADING PLAN - S.R. 527**

**LAW - 7 - 2.17**

U:\173608714\LAN\75923\roadway\_sheets\759230305-2B.dgn 12/4/2024 3:51:14 PM slparker



**LEFT E/P RETURN DATA**

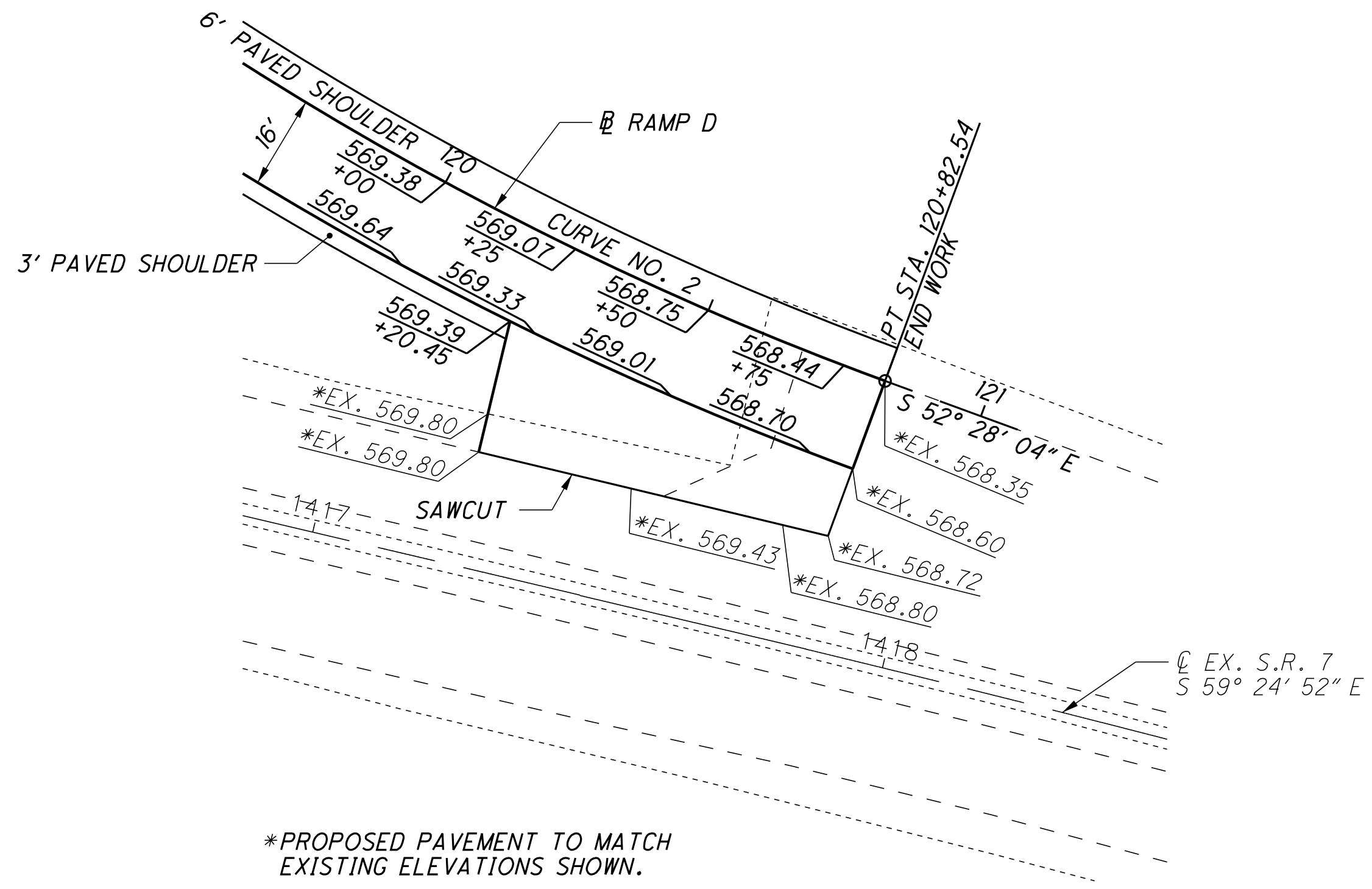
$\Delta = 76^\circ 43' 59''$   
 $R = 50.00'$   
 $L = 66.96'$   
 $T = 39.58'$   
 R.P. STA. 115+72.76, 50' LT., RAMP D  
 P.C. STA. 115+72.76, 0' LT./RT., RAMP D  
 P.T. STA. 115+15.70, 52' RT., S.R. 7

**RIGHT E/P RETURN DATA**

$\Delta = 32^\circ 35' 25''$   
 $R = 50.00'$   
 $L = 28.44'$   
 $T = 14.62'$   
 R.P. STA. 115+46.41, 66' RT., RAMP D  
 P.C. STA. 115+46.41, 16' RT., RAMP D  
 P.T. STA. 114+51.53, 44.06' RT., S.R. 7

**CURVE DATA RAMP D CURVE NO. 1**  
 P.I. STA. 116+98.94  
 $\Delta = 37^\circ 15' 49''$  (RT)  
 $D_c = 12^\circ 00' 00''$   
 $R = 477.46'$   
 $T = 160.98'$   
 $L = 310.53'$   
 $E = 26.41'$   
 $e_{max} = 7.30\%$   
 PC STA. 115+37.96  
 PT STA. 118+48.49

**CURVE DATA RAMP D CURVE NO. 2**  
 P.I. STA. 119+97.82  
 $\Delta = 17^\circ 04' 16''$  (LT)  
 $D_c = 10^\circ 00' 00''$   
 $R = 572.96'$   
 $T = 85.99'$   
 $L = 170.71'$   
 $E = 6.42'$   
 $e_{max}$  (N.D.C.) = 6.70%  
 $e_{max} = 1.60\%$   
 PC STA. 119+11.83  
 PT STA. 120+82.54



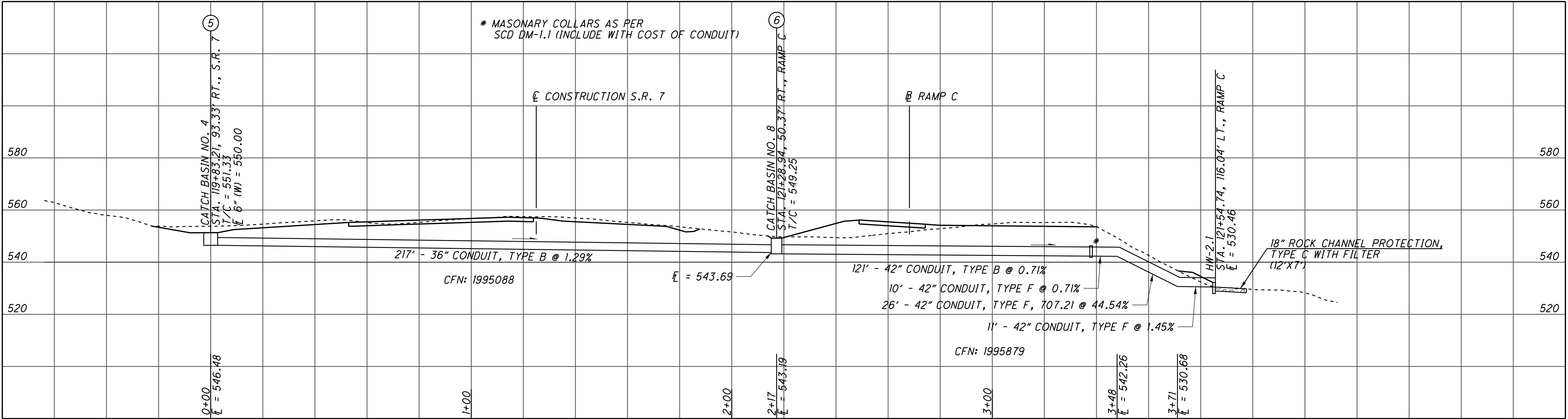
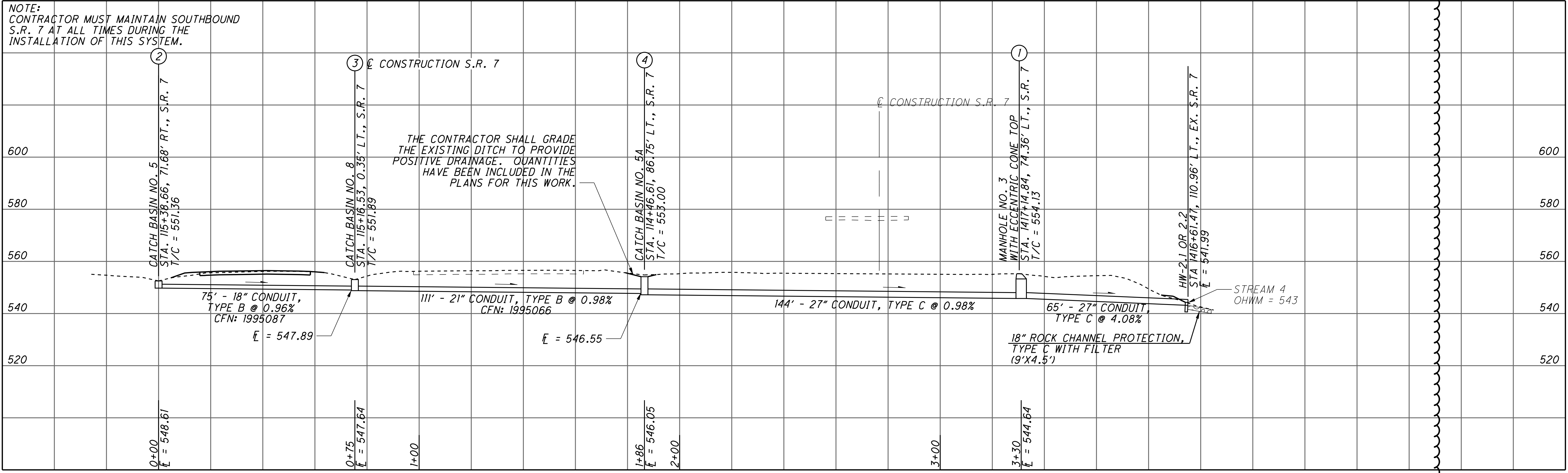
**RAMP D TIE IN DETAIL**

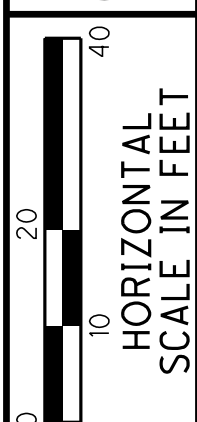
CALCULATED SLP CHECKED ALB

0 10 20 40  
 HORIZONTAL SCALE IN FEET

**INTERSECTION DETAILS RAMP D**

**LAW - 7 - 2.17**



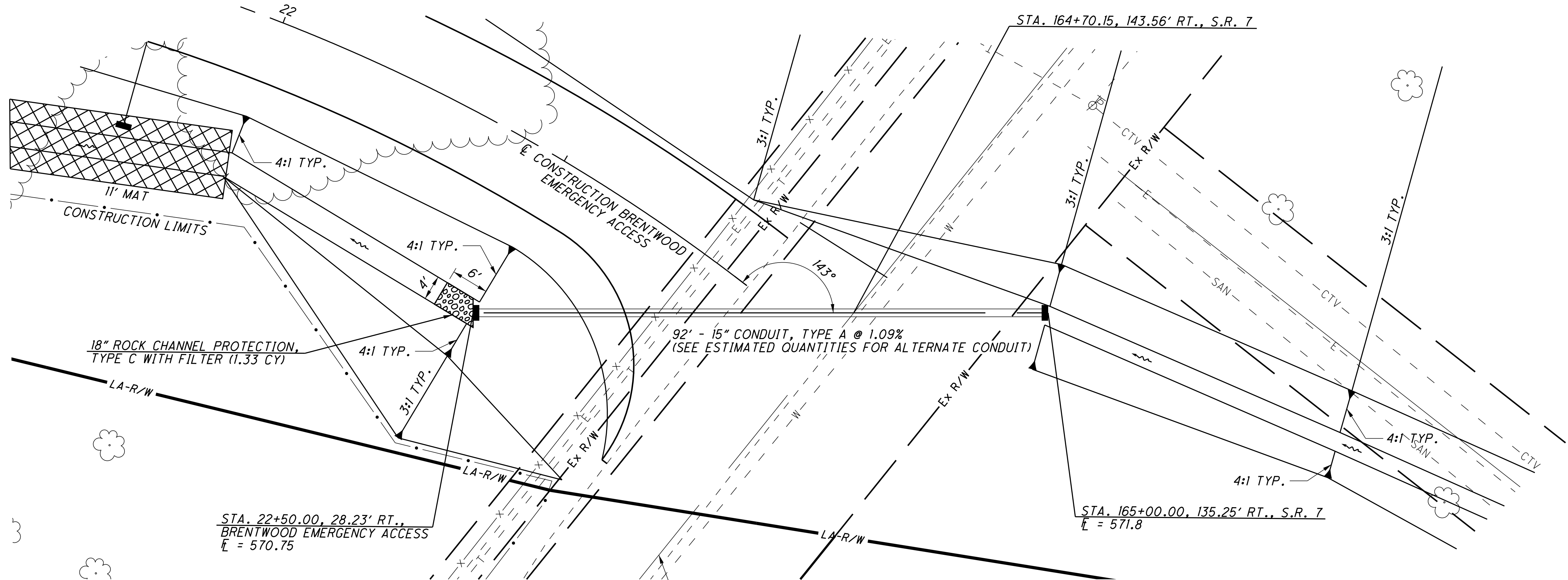


CALCULATED SLP CHECKED ALB

CULVERT DETAIL  
S.R. 7 STA. 164+70.15

LAW-7-2.17

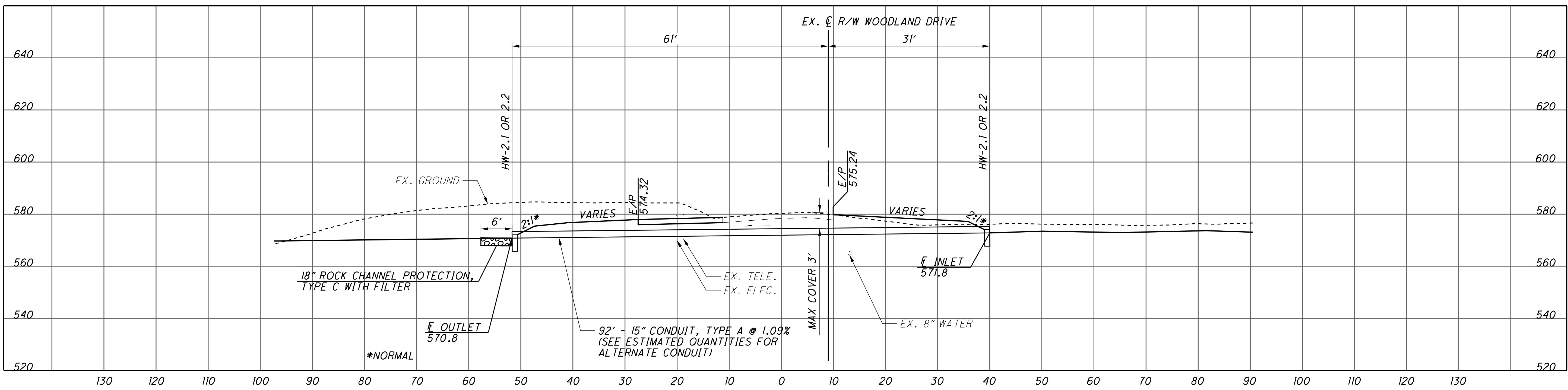
656  
1247



ESTIMATE QUANTITIES			
ITEM	TOTAL	UNIT	DESCRIPTION
601	1.33	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
602	0.54	CY	CONCRETE MASONRY
611	92	FT	15" CONDUIT, TYPE A, 706.02 OR 707.33

HYDRAULIC DATA	
DRAINAGE AREA	= 2 AC.
Q10	= 5 CFS
Q100	= 7 CFS
10V	= 6.4 FPS
100V	= 6.8 FPS
10 HW	= 573.1
100 HW	= 573.6
pH	= 7.6
DESIGN SERVICE LIFE	= 75 YEARS
ABRASION LEVEL	= 4
CFN	= 1995091

QUANTITIES CARRIED TO SUBSUMMARY SHEETS 79-80



U:\173608714\Law\75923\drainage\_sheets\75923DC016.dgn 12/4/2024 3:51:51 PM sbarker



U:\173608714\Law\75923\drainage\sheet5\75923D0004-2B.dgn 12/4/2024 3:52:22 PM siparker

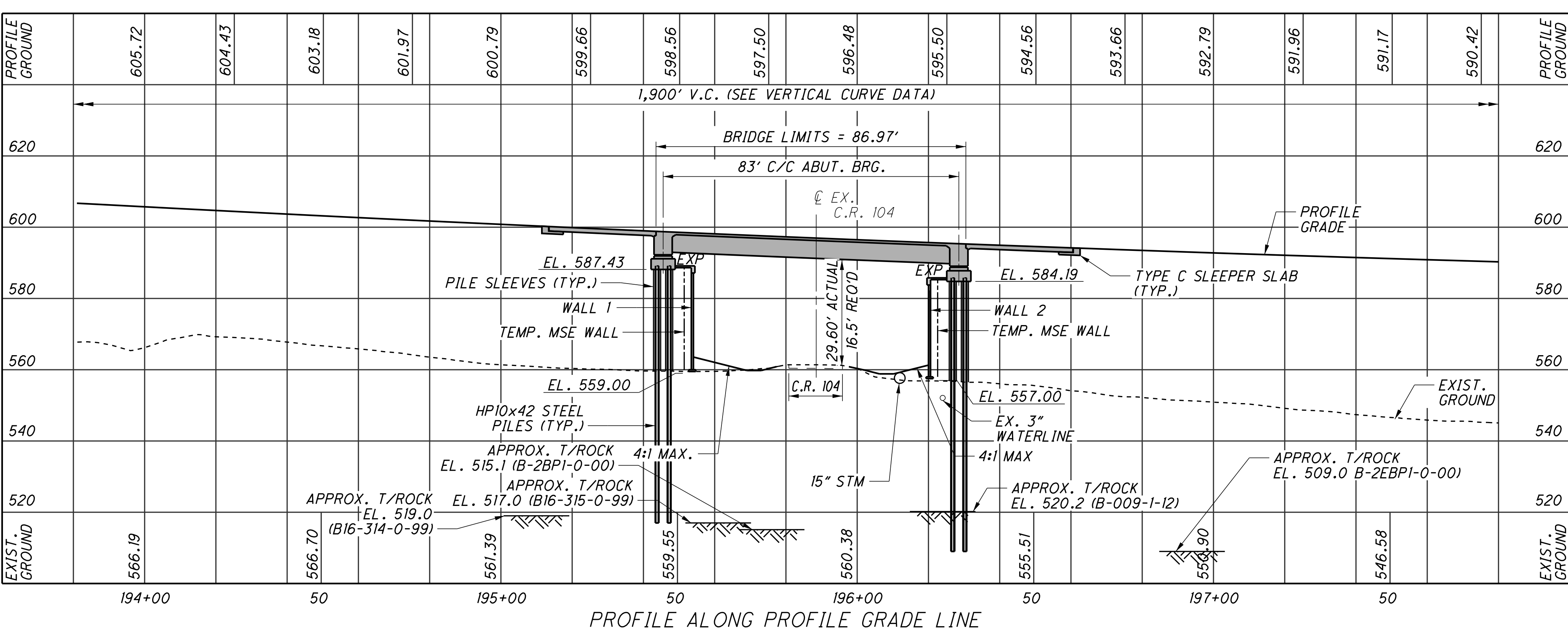
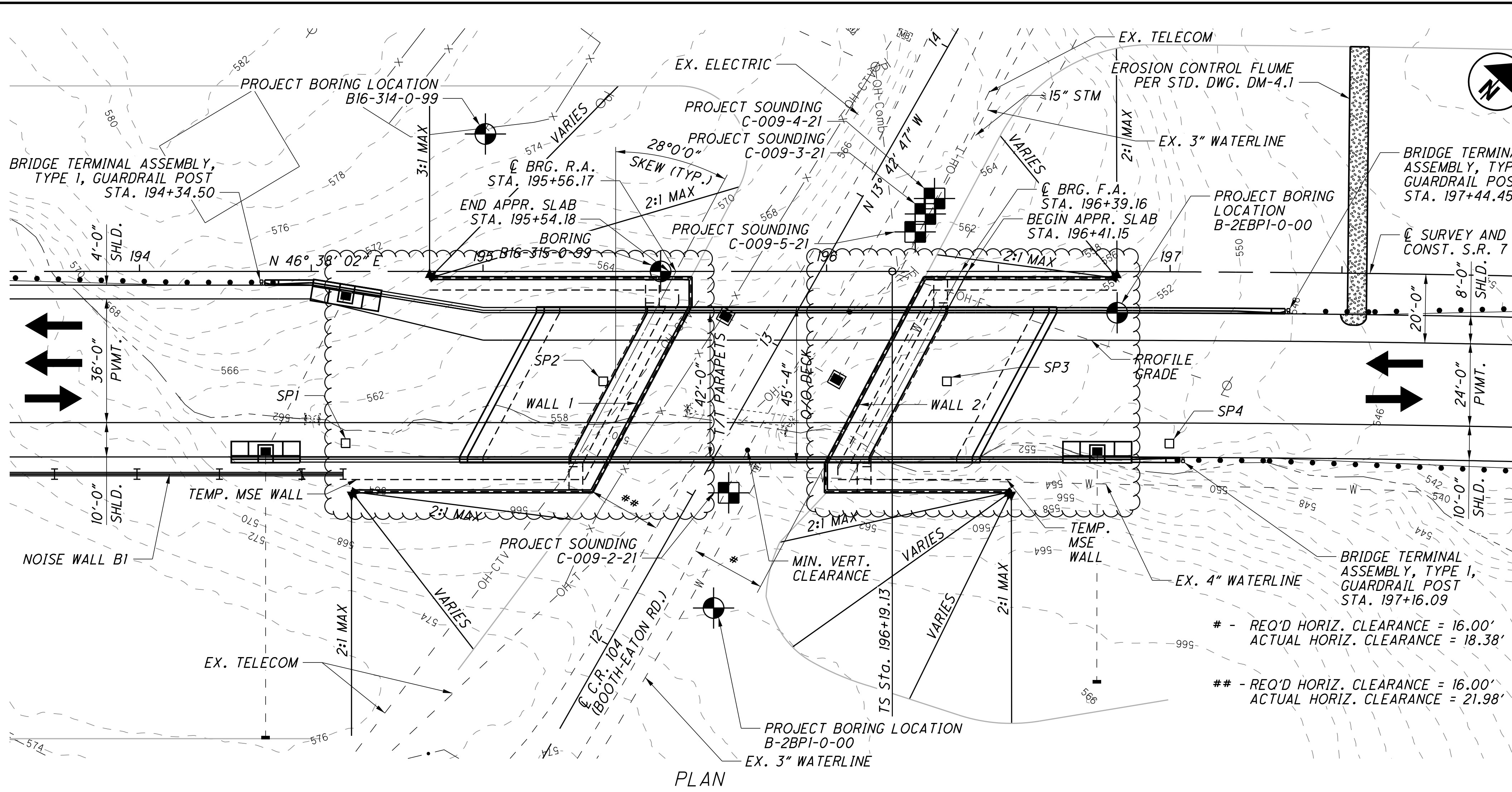
REFERENCE NO.	SHEET NO.	STATION		SIDE	LEFT OUTLET TO	RIGHT OUTLET TO	OUTLET ELEV.	OUTLET STATION	OUTLET OFFSET	REMARKS	601	605				611																	
		TIED CONCRETE BLOCK MAT WITH TYPE I UNDERLAYMENT	6" SHALLOW PIPE UNDERDRAINS								6" UNCLASSIFIED PIPE UNDERDRAINS	6" ROCK CUT UNDERDRAINS	6" BASE PIPE UNDERDRAINS	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	6" CONDUIT, TYPE B	PRECAST REINFORCED CONCRETE OUTLET	BENDS AND BRANCHES FOR INFORMATION ONLY																
		FROM	TO																														
S.R. 7																																	
62-U	146	387+73.25	389+88.66	RT		CB	573.64	387+73.25	0.60									222															
63-U	146	387+73.25	390+75.00	RT		CB	573.64	387+73.25	0.60									307															
64-U	146	387+73.25	396+99.09	RT		CB	573.64	387+73.25	0.60									922	10														
65-U	146	387+73.25	394+79.17	LT		CB	573.64	387+73.25	0.60									687	10														
66-U	146	387+73.25	395+50.00	LT		CB	573.64	387+73.25	0.60									2263	30														
67-U	146, 457	388+99.19 (RAMP L)	392+40.09	RT		CB	581.67	388+99.19	7.67									341		19	1												
68-U		NOT USED																															
69-U	146, 457	388+99.19 (RAMP L)	395+50.00	RT		CB	581.67	388+99.19	7.67									650		661	10												
70-U	146, 148	395+50.00	404+90.09	RT		CB	590.80	295+50.00	73.18									937		942	13												
71-U	146, 148	395+50.00	401+00.00	LT	CB		589.60	395+50.00	0.47	DUAL SYSTEM ON OUTSIDE LANE RUNS FROM STA. 395+50.00 TO STA. 397+49.13							198		747	18													
72-U	146, 148	396+28.03 (RAMP K)	401+00.00	LT	CB		591.50	396+50.00 (RAMP K)	22.48											480													
73-U	146, 148	396+28.03 (RAMP K)	401+00.00	LT	CB		591.50	396+50.00 (RAMP K)	22.48											474													
73A-U	146, 148	397+49.13	401+00.00	LT		WYE																											
74-U	148	401+00.00	408+75.61	LT		SLOPE	601.72	401+00.00	3.26											352	12												
74A-U	148	401+00.00	403+56.32	LT		SLOPE	601.72	401+00.00	3.26											779	1												
75-U	148	401+00.00	410+76.60	LT		SLOPE	601.72	401+00.00	3.26									1.78	980	1959	23												
76-U	148, 150	410+76.60	419+57.73	LT		EX CB	601.50	419+53.08	2.70									860		1723	41												
77-U	150, 152	419+57.73	429+50.00	LT		CB	595.35	429+50.00	3.41									992		1985	39												
78-U	152	425+76.89	429+50.00	LT		CB	595.35	429+50.00	3.41											375													
79-U	152	42742.3.7	429+50.00	RT		CB	595.35	429+50.00	3.41											207	16												
80-U	152	429+50.00	432+86.29	RT		CB	595.35	429+50.00	3.41											337													
81-U	152	429+50.00	433+31.18	LT		CB	595.35	429+50.00	3.41	6" UNCLASSIFIED UNDERDRAIN FROM STA. 429+50.00, FL = 597.59 TO STA. 430+00.00, FL = 597.59									50														
82-U	152	429+50.00	432+87.18	RT/LT		CB	595.35	429+50.00	3.41	6" UNCLASSIFIED UNDERDRAIN FROM STA. 429+50.00, FL = 596.78 TO STA. 430+00.00, FL = 596.78										50													
83-U	152, 154	429+50.00	437+16.83	RT/LT		CB	595.35	429+50.00	3.41	6" UNCLASSIFIED UNDERDRAIN FROM STA. 429+50.00, FL = 598.02 TO STA. 430+00.00, FL = 598.02 6" UNCLASSIFIED UNDERDRAIN FROM STA. 429+50.00, FL = 597.20 TO STA. 430+00.00, FL = 597.20								720	100		720												
RAMP C																																	
1-U	419	116+33.24	121+32.00	RT/LT		SLOPE	532.00	121+32.00	116.12									1.78		989	122												
2-U	419	121+32.00	126+47.37 (S.R. 7)	RT/LT		SLOPE	532.00	121+32.00	116.12											759													
RAMP D																																	
1-U	425	114+30.42 (S.R. 7)	115+43.41	RT		CB	549.50	115+38.66	71.68											41	39												
2-U	425	115+65.70 (S.R. 7)	115+39.01	LT		CB	549.50	115+38.66	71.68											67	45												
3-U	425	115+50.00	120+82.54	RT/LT		CB	549.50	115+38.66	71.68											1020													
RAMP I																																	
1-U	431	373+61.31	376+09.49	LT		CB	621.92	376+00.00	76.06											250													
2-U	431, 559	380+00.45	55+10.71 (S.R. 775)	LT		SLOPE	603.56	380+50.00 (S.R. 7)	73.00									1.78		136	130												
3-U	431	380+00.45	380+45.23	RT		SLOPE	603.56	380+50.00 (S.R. 7)	73.00											46	35												
TOTALS CARRIED TO SHEET		678																				5.34	5337	200	0	20671	501	330	4				

CALCULATED	SLP	CHECKED	ALB
UNDERDRAIN TABLE			
LAW - 7 - 2.17			
	677		1247

U:\173608714\LA\75923\drainage\sheet\75923D0005-2B.dgn 12/4/2024 3:52:23 PM siparker

REFERENCE NO.	SHEET NO.	STATION		SIDE	LEFT OUTLET TO	RIGHT OUTLET TO	OUTLET ELEV.	OUTLET STATION	OUTLET OFFSET	REMARKS	601		605				611								CALCULATED SLP CHECKED ALB
		FROM	TO								TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	6" SHALLOW PIPE UNDERDRAINS	6" UNCLASSIFIED PIPE UNDERDRAINS	6" ROCK CUT UNDERDRAINS	6" BASE PIPE UNDERDRAINS	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	6" CONDUIT, TYPE B	PRECAST REINFORCED CONCRETE OUTLET							
		RAMP J																							
1-U	437, 442	61+97.66 (S.R. 775)	386+40.48	LT		CB	572.97	387+00.00	0.70																
2-U	437, 442	385+50.00 (RAMP K)	386+40.48	RT		CB	572.97	387+00.00	0.70																
		RAMP K																							
1-U	442	64+73.98 (S.R. 775)	390+00.00	LT		SLOPE	592.54	389+74.90 (RAMP J)	36.71		1.78														
2-U	442	385+50.00	390+00.00	RT/LT		SLOPE	592.54	389+74.90 (RAMP J)	36.71																
3-U	442, 444	390+00.00	396+28.03	RT/LT		CB	591.50	396+50.00	22.48																
		RAMP L																							
1-U	457	55+34.95 (S.R. 775)	388+99.19	LT		CB	581.67	388+99.19	7.67																
2-U	457, 559	55+32.81 (S.R. 775)	388+99.19	RT		CB	581.67	388+99.19	7.67																
		S.R. 243																							
1-U	490	11+00.70	10+68.68 (C.R.69)	RT		SLOPE	607.83	10+68.68	32.59		1.78														
2-U	490	251+00.00 (S.R. 7)	16+19.90	LT		CB	602.50	16+19.90	39.40																
3-U	490	13+13.39	16+19.90	RT/LT		CB	602.50	16+19.90	39.40																
4-U	490	10+36.64 (C.R. 69)	16+19.90	RT		CB	602.50	16+19.90	39.40																
5-U	490	16+19.90	17+88.51	RT/LT		CB	602.50	16+19.90	39.40																
6-U	490	16+19.90	21+54.00	RT/LT		CB	602.50	16+19.90	39.40																
		S.R. 775																							
1-U	559	45+42.93	55+15.91	LT		EX SLOPE																			
2-U	559	45+42.93	53+57.51	LT		EX SLOPE																			
3-U	559	45+42.93	53+72.57	RT		EX SLOPE																			
4-U	559	45+42.93	55+27.61	RT		EX SLOPE																			
5-U	560	58+70.92	61+97.66	RT		SLOPE	613.95	61+92.99	73.80		1.78														
6-U	560	58+54.02	61+97.66	LT		SLOPE	613.95	61+92.99	73.80																
7-U	560	61+97.66	65+50.37	RT/LT		SLOPE	613.95	61+92.99	73.80																
TOTALS FROM SHEET 674											12.46	9314	1785	1248	16340	664	462	7							
TOTALS FROM SHEET 675											12.46	9817	54	916	21595	1026	419	8							
TOTALS FROM SHEET 676											1.78	7809	331	16060	27503	615	796	1							
TOTALS FROM SHEET 677											5.34	5337	200	0	20671	501	330	4							
TOTALS THIS SHEET											5.34	504	0	1698	13642	18	188	3							
TOTALS CARRIED TO GENERAL SUMMARY											38	32781	2370	19922	99751	2993	2195	23							

UNDERDRAIN TABLE



### BENCHMARK DATA

BM #1 STA. 182+35.75, ELEV. 568.32, OFFSET 560.76', RT.  
 BM #2 STA. 207+14.67, ELEV. 575.38, OFFSET 966.60', LT.

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET

### NOTES

- EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
- FOR PRIMARY PROJECT CONTROL INFORMATION TABLE SEE ROADWAY GENERAL NOTES.
- FOR LIST OF ABBREVIATIONS SEE SHEET 2/28.

DESIGN TRAFFIC:  
 2028 ADT = 13,400    2028 ADTT = 1,072  
 2048 ADT = 17,500    2048 ADTT = 1,400  
 DIRECTIONAL DISTRIBUTION = 69/31

### LEGEND

- PROJECT BORING LOCATION
- PROJECT CPT SOUNDING LOCATION
- SETTLEMENT PLATFORM

#### GEOMETRIC LAYOUT

BRIDGE BUILT PARALLEL TO EXTENDED TANGENT

ESTIMATED PILE LENGTHS	
LOCATION	LENGTH
REAR ABUTMENT	75'
FORWARD ABUTMENT	80'

VERTICAL CURVE DATA	
LENGTH = 1900'	
PVC STA. = 192+75.00	PVC ELEV. = 612.74
PVI STA. = 202+25.00	PVI ELEV. = 555.74
PVT STA. = 211+75.00	PVT ELEV. = 609.67
GI = -6.00%	G2 = 5.68%

CURVE (S.R. 7 CURVE NO. 3)		
P.I. STA. 205+33.31	E = 70.53'	LT = 150.01'
Δ = 27° 30' 45" (RT)	TS STA. = 196+19.13	ST = 75.01'
Dc = 1° 45' 00"	SC STA. = 198+44.13	e <sub>max</sub> = 4.60%
R = 3,274.04'	Ss = 1° 58' 07"	CS STA. 211+91.27
T = 683.24'	Ls = 225.00'	ST STA. 214+16.27
L = 1,347.14'	Ts = 914.18'	

### PROPOSED STRUCTURE

TYPE: PRESTRESSED CONCRETE I-BEAMS (AASHTO TYPE 4) WITH COMPOSITE CONCRETE SLAB SUPPORTED BY SEMI-INTEGRAL ABUTMENTS ON SLEEVED PILES THROUGH MSE WALL FILL.

SPANS: 83'-0" C/C ABUTMENT BEARINGS (MEASURED ALONG EXTENDED TANGENT)  
 ROADWAY: 42'-0" TOE/TOE PARAPET  
 LOADING: HL-93 AND 60 LBS/FT<sup>2</sup> FUTURE WEARING SURFACE  
 WEARING SURFACE: 1" MONOLITHIC WEARING SURFACE  
 SKEW: 28°00'00" LEFT FORWARD  
 APPROACH SLABS: 30'-0" (AS-1-15 & AS-2-15)  
 ALIGNMENT: TANGENT  
 CROWN: VARIES (SEE TRANSITION DIAGRAM)  
 COORDINATES: LATITUDE 38°26'50.63" N  
 LONGITUDE 82°26'09.82" W  
 DECK AREA: 3943 SQ. FT.

U:\173608714\LA75923\structures\LA007\_0370C\sheets\007\_75923CSP001.dgn 12/5/2024 3:29:07 PM bmcneil

DESIGN AGENCY: **Stanec Consulting Services Inc.**  
 1500 Lake Shore Drive, Suite 100  
 Columbus, Ohio 43224  
 (614) 486-1985  
 DATE: **03/2024**  
 REVIEWED: **MRS**  
 DRAWN: **JWS**  
 DESIGNED: **BSM**  
 CHECKED: **EDA**  
 LAWRENCE COUNTY  
 STA. 195+54.18  
 STA. 196+41.15  
 BRIDGE NO. LAW-7-0370  
 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)  
**LAW-7-2.17**  
 PID No. 75923  
 1/28  
 (817)  
 1247

ESTIMATED QUANTITIES

CALCULATED BY: BSM 03/10/24  
CHECKED BY: MRS 03/14/24

02/NHS/08	ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT	SUPER.	GEN.	SEE SHEET
4	SPEC.	20365000	4	EACH	SETTLEMENT PLATFORM				3
LUMP	505	11100	LUMP	LS	PILE DRIVING EQUIPMENT MOBILIZATION				
1815	507	00100	1815	FT	STEEL PILES HPI0X42, FURNISHED	1815			
1705	507	00150	1705	FT	STEEL PILES HPI0X42, DRIVEN	1705			
71,810	509	10000	71,810	LB	EPOXY COATED STEEL REINFORCEMENT	9937	61,873		
7034.75	509	30020	7034.75	FT	NO. 4 DEFORMED GFRP REINFORCEMENT		7,034.75		
2	511	33500	2	EA	SEMI-INTEGRAL DIAPHRAGM GUIDE	2			
220	511	34446	220	CY	CLASS QC2 CONCRETE WITH QC/OA, BRIDGE DECK		220		
26	511	34450	26	CY	CLASS QC2 CONCRETE WITH QC/OA, BRIDGE DECK (PARAPET)		26		
146	511	43512	146	CY	CLASS OC1 CONCRETE WITH QC/OA, ABUTMENT INCLUDING FOOTING	146			
494	512	10100	494	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	109	385		
5	515	15020	5	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4 84'-8"		5		
12	515	20000	12	EACH	INTERMEDIATE DIAPHRAGMS		12		
103	516	10010	103	FT	ARMORLESS PREFORMED JOINT SEAL			103	
266	516	13900	266	SF	2" PREFORMED EXPANSION JOINT FILLER	116		150	
124	516	14020	124	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	124			
10	516	44100	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (2.063"x12"x25")	10			
98	518	21200	98	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	98			
134	518	40000	134	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	134			
14	518	40010	14	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	14			
302	526	30011	302	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/OA (T=17"), AS PER PLAN			302	18&19/26
103	526	90030	103	FT	TYPE C INSTALLATION			103	
3	611	99114	3	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D			3	
4	622	25000	4	EACH	CONCRETE BARRIER END SECTION, TYPE D			4	
4	622	90200	4	EACH	BARRIER, MISC.: SINGLE SLOPE CONCRETE BRIDGE RAILING WITH MOMENT SLAB			4	

U:\173608714\LA075923\structures\LA007\_0370C\sheet\007\_75923CS0001.dgn 12/5/2024 8:33:20 PM bmcned

DESIGN AGENCY  
Stanec Consulting Services Inc.  
1500 Lake Shore Drive, Suite 100  
Columbus, Ohio 43204  
(614) 486-4985



REVIEWED DATE  
MRS 03/2024  
STRUCTURE FILE NUMBER  
4400194

DRAWN  
JWS  
REVISED

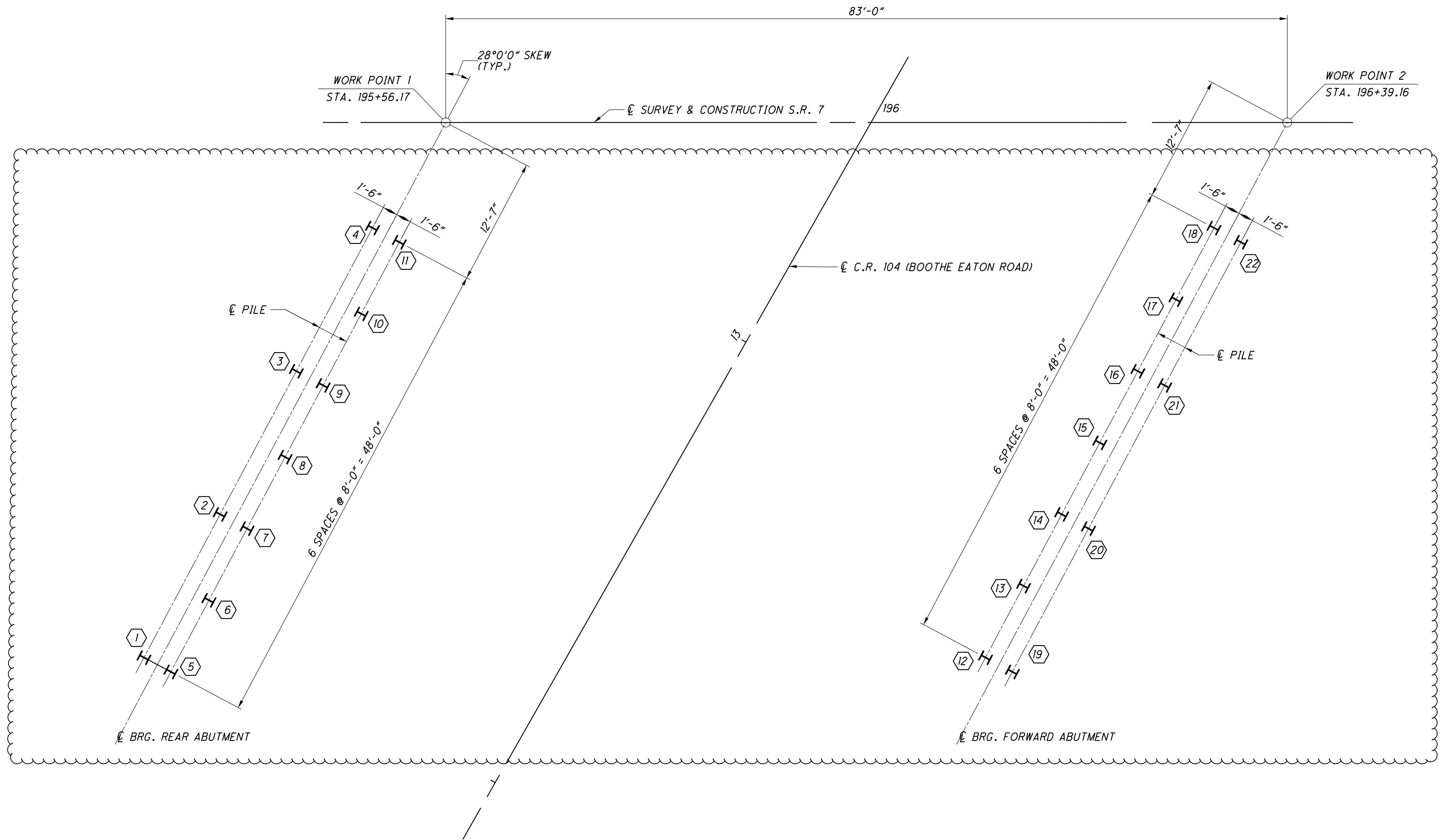
DESIGNED  
BSM  
CHECKED  
EDA

ESTIMATED QUANTITIES  
BRIDGE NO. LAW-7-0370  
S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)

LAW-7-2.17  
PID No. 75923

NOTE:  
FOR MSE WALL QUANTITIES, SEE SHEET 28/28.

U:\173608714\LA\75923\structures\LA007\_0370C\sheets\007\_75923CS0001.dgn 12/5/2024 3:29:12 PM bmcneal



**PLAN**

- NOTES:
1. ALL PILES ARE HP10x42.
  2.  $\text{H} \langle 15 \rangle$  DESIGNATES PILE NUMBER AND LOCATION.
  3. ALL PILES TO BE SLEEVED THROUGH PROPOSED MSE WALL SELECT GRANULAR BACKFILL.



DESIGN AGENCY  
**Stanec Consulting Services Inc.**  
 1500 Lake Shore Drive, Suite 100  
 Columbus, Ohio 43204  
 (614) 486-4883



DATE  
**03/2024**

REVIEWED  
**MRS**

STRUCTURE FILE NUMBER  
**4400194**

DRAWN  
**JWS**

REVISED

DESIGNED  
**BSM**

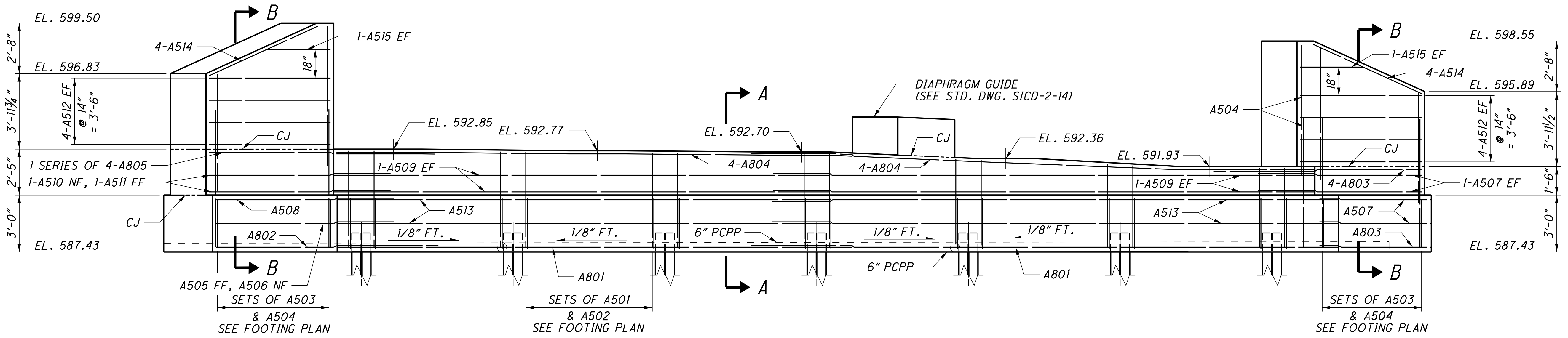
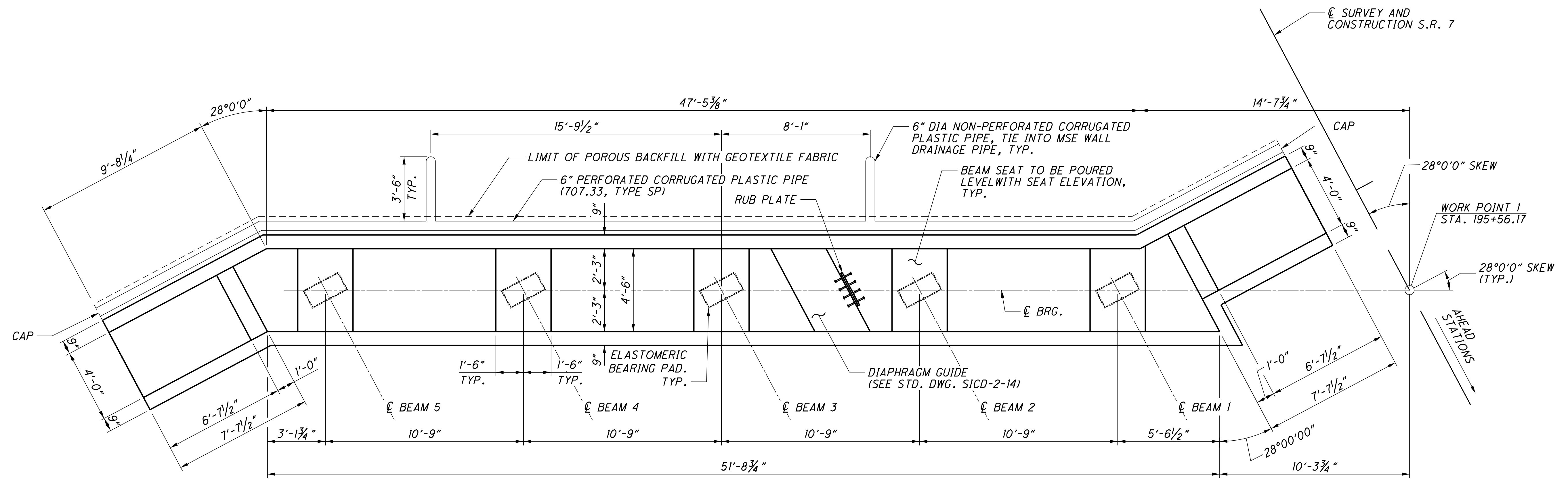
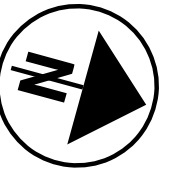
CHECKED  
**EDA**

**FOUNDATION PLAN**  
 BRIDGE NO. LAW-7-0370  
 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)

**LAW-7-2.17**  
**PID No. 75923**

5 / 28

821  
 1247



**ELEVATION**

LAP LENGTHS:  
 #5 BARS = 3'-0"  
 #8 BARS = 5'-4"

- NOTES:  
 1. FOR PILE LOCATIONS, SEE SHEET 5/28.  
 2. FOR FOOTING PLAN, SEE SHEET 7/28.  
 3. FOR SECTION A-A AND SECTION B-B, SEE SHEET 7/28.

U:\173608714\173608714\Structures\LAW07\_0370C\sheets\007\_75923CSR001.dgn 12/5/2024 3:29:14 PM bmcmed

DESIGN AGENCY  
**Stantec Consulting Services Inc.**  
 1500 Lake Shore Drive, Suite 100  
 Columbus, Ohio 43204  
 (614) 486-4985



DATE  
 04/2022  
 REVIEWED  
 MRS  
 STRUCTURE FILE NUMBER  
 4400194

DRAWN  
 JWS  
 CHECKED  
 BSM  
 EDA

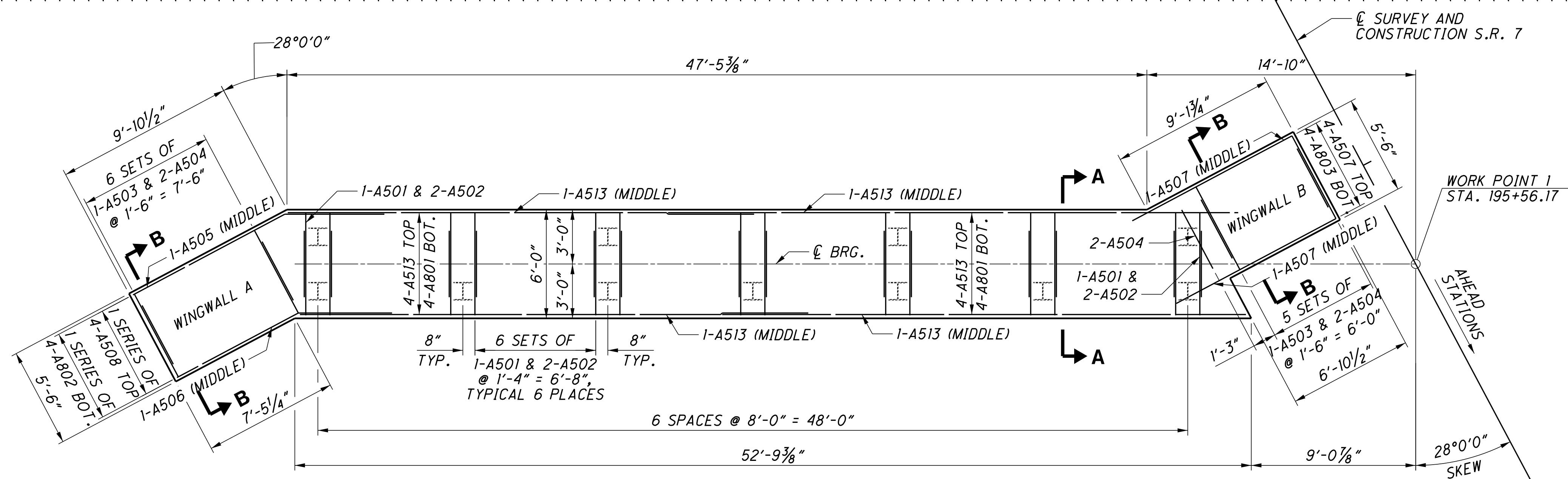
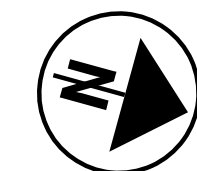
REAR ABUTMENT  
 BRIDGE NO. LAW-7-0370  
 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)

LAW-7-2.17  
 PID No. 75923

6/28

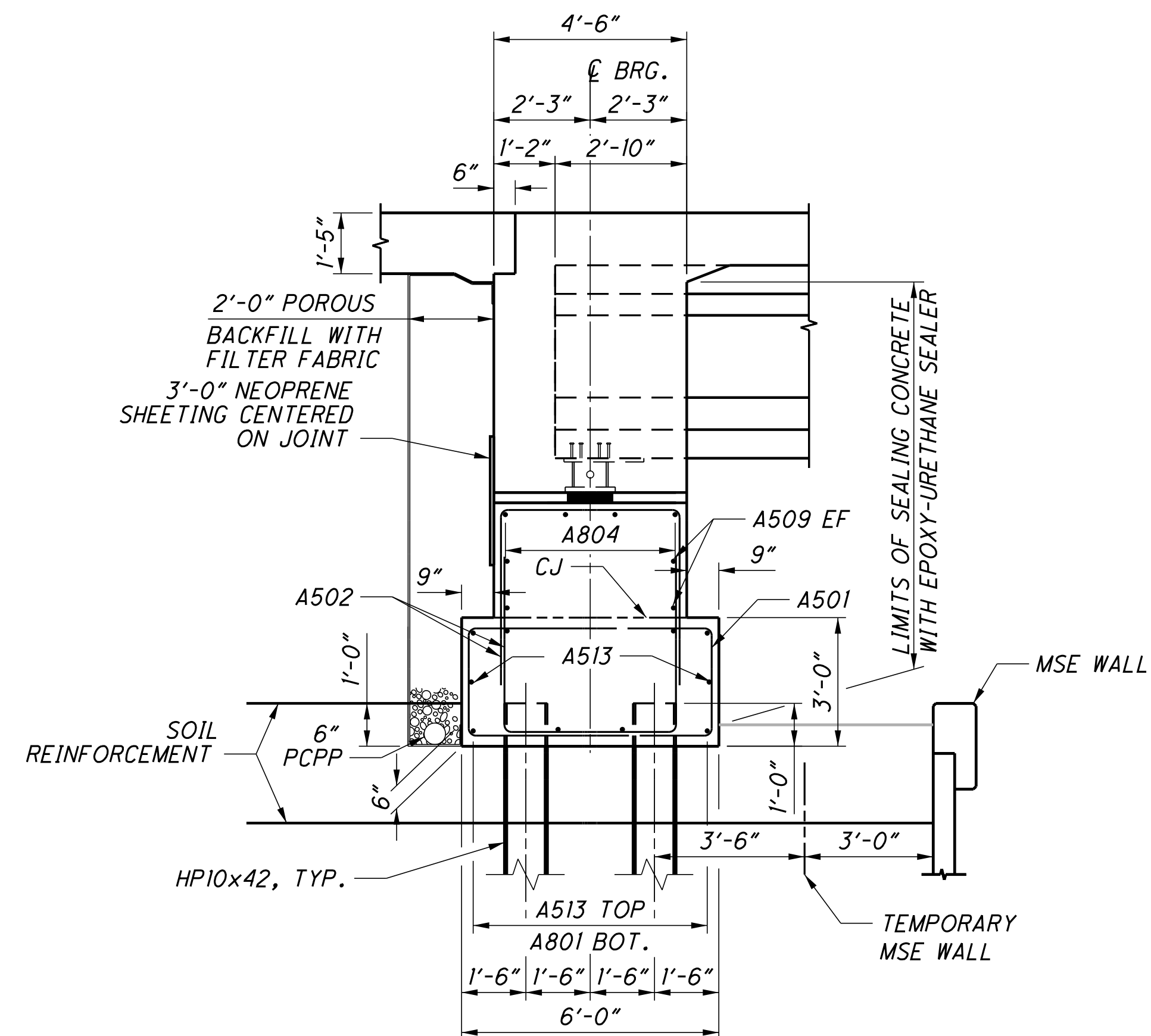
822  
 1247

U:\173608714\LA075923\structures\LA007\_0370C\sheet\007\_75923CSR002.dgn 12/5/2024 3:29:16 PM bmcneal

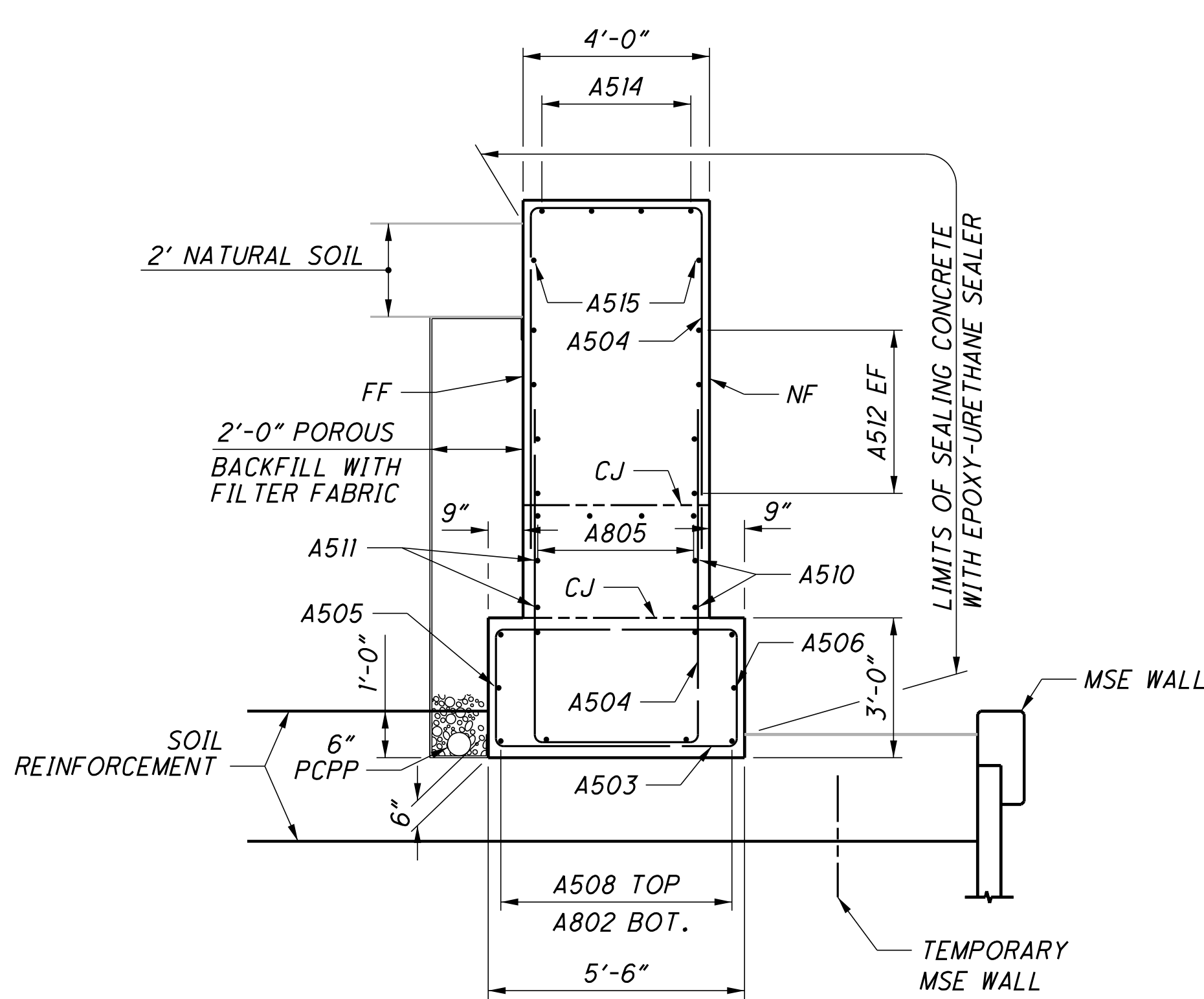


**FOOTING PLAN**

LAP LENGTHS:  
 #5 BARS = 3'-0"  
 #8 BARS = 5'-4"



**SECTION A-A**



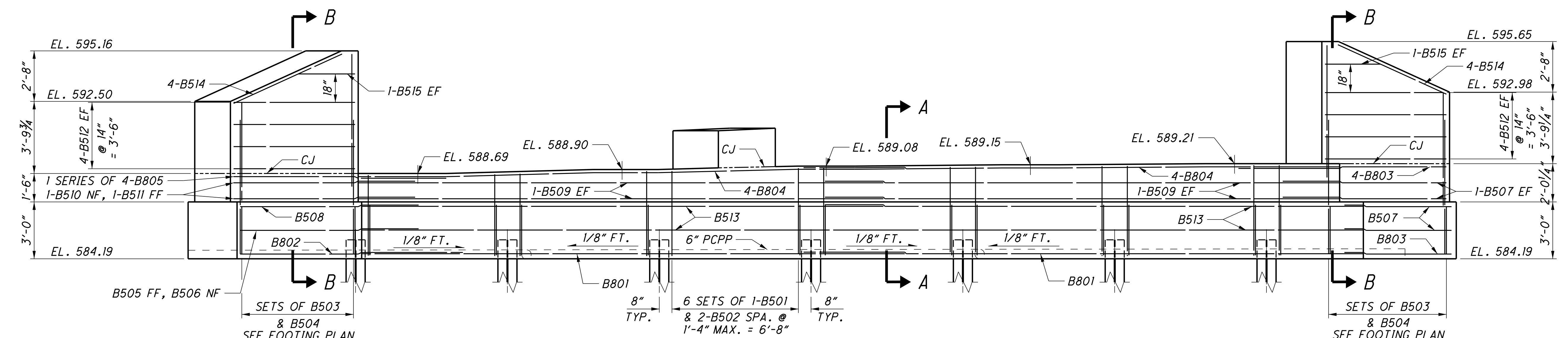
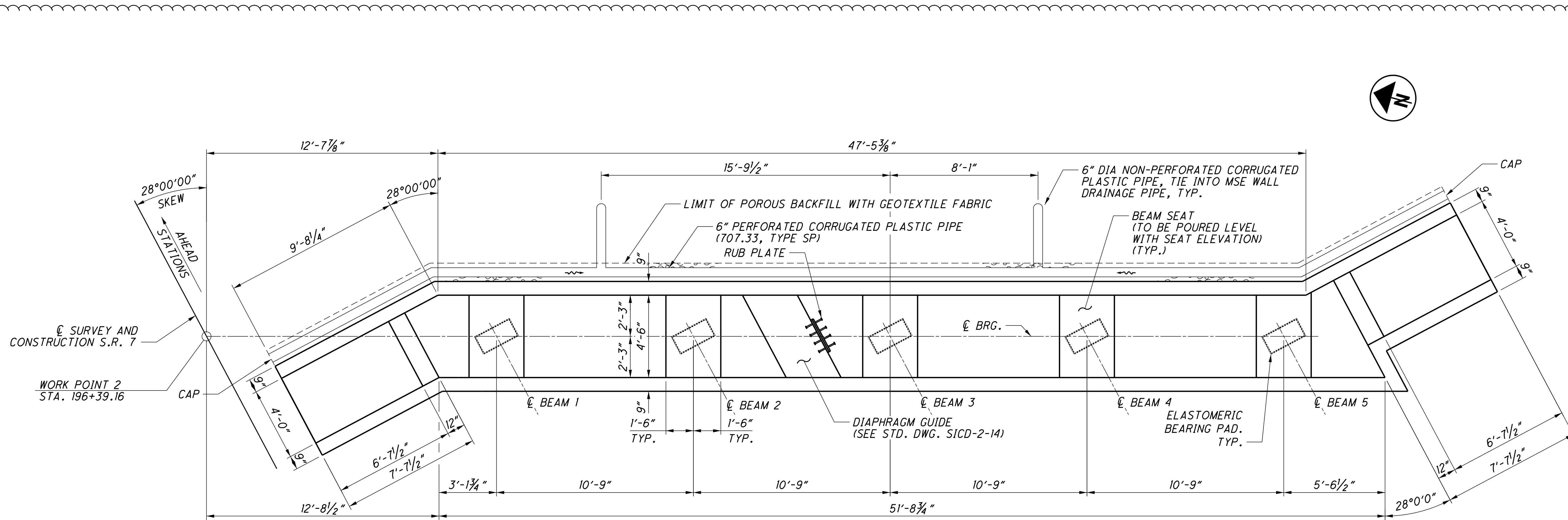
**SECTION B-B**

WINGWALL A SHOWN, WINGWALL B SIMILAR

**NOTE:**  
 1. FOR PILE LOCATIONS, SEE SHEET 5/28.  
 LAP LENGTHS:  
 #5 BARS = 3'-0"  
 #8 BARS = 5'-4"

DESIGNED	BSM	CHECKED	EDA
DRAWN	JWS	REVISED	
REVIEWED	MRS	DATE	04/2022
STRUCTURE FILE NUMBER	4400194	DESIGN AGENCY	Stanec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-1888
<b>REAR ABUTMENT DETAILS</b>			
BRIDGE NO. LAW-7-0370			
S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)			
<b>LAW-7-2.17</b>		<b>PID No. 75923</b>	
7/28		823 1247	

U:\173608714\173608714\Structures\LA007\_0370C\sheets\007\_75923CSF001.dgn 12/25/2024 3:29:18 PM bmcmed

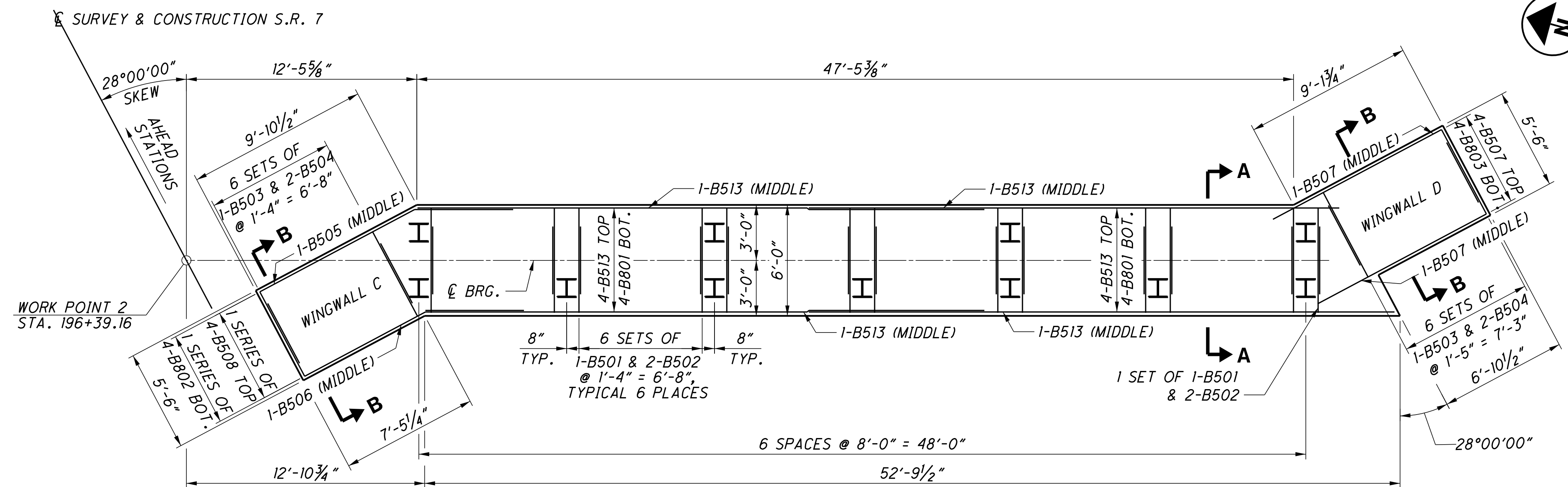


**ELEVATION**  
 LAP LENGTHS:  
 #5 BARS = 3'-0"  
 #8 BARS = 5'-4"

- NOTES:**
- FOR PILE LOCATIONS, SEE SHEET 5/28.
  - FOR FOOTING PLAN, SEE SHEET 9/28.
  - FOR SECTION A-A AND SECTION B-B, SEE SHEET 9/28.

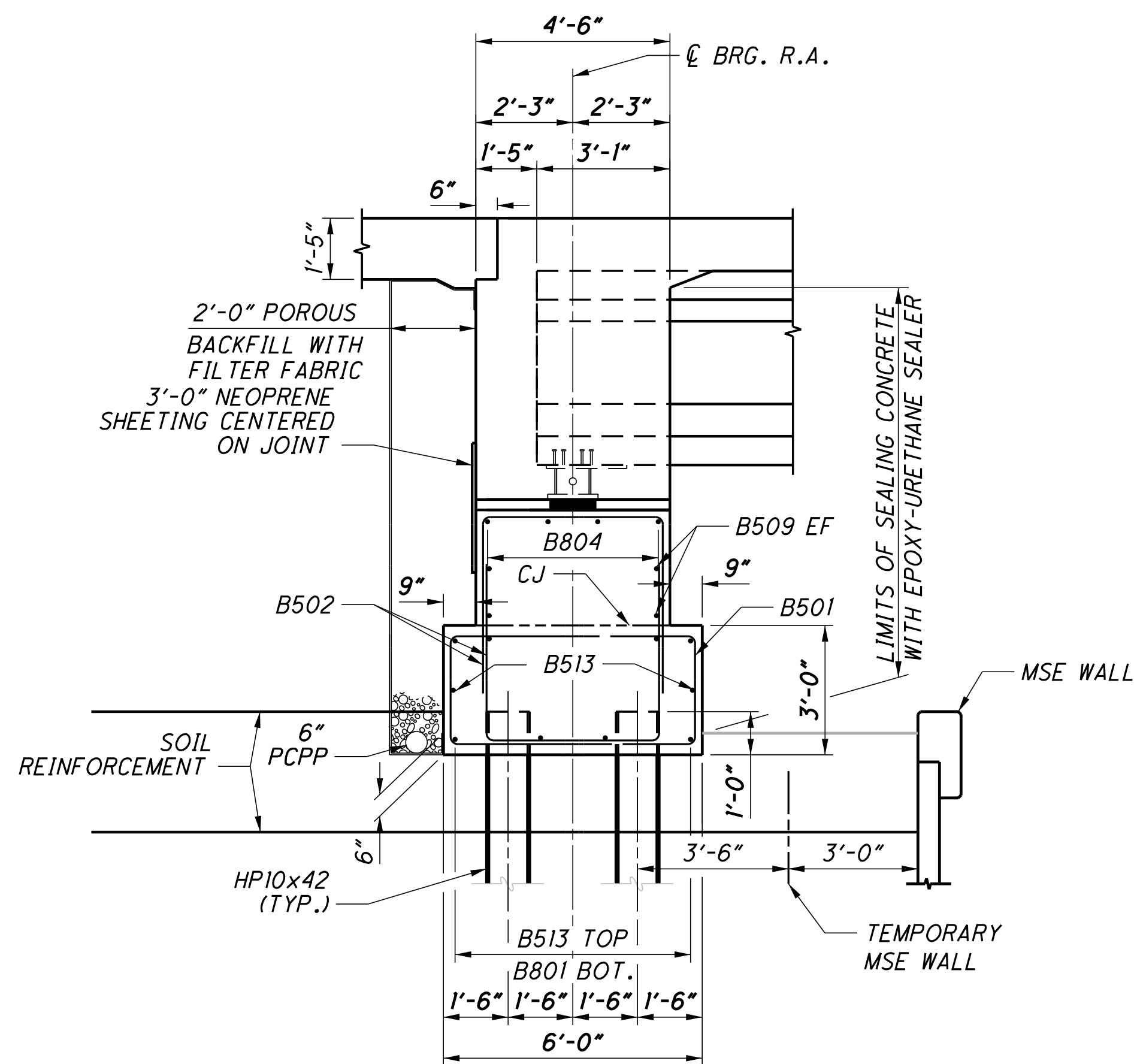
DESIGNED	BSM	CHECKED	EDA
DRAWN	JWS	REVISED	
REVIEWED	MRS	STRUCTURE FILE NUMBER	4400194
DATE	03/2024		
DESIGN AGENCY	Stanlec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4983		
<b>FORWARD ABUTMENT</b>			
BRIDGE NO. LAW-7-0370			
S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)			
<b>LAW-7-2.17</b>		<b>PID No. 75923</b>	
8 / 28		824 1247	



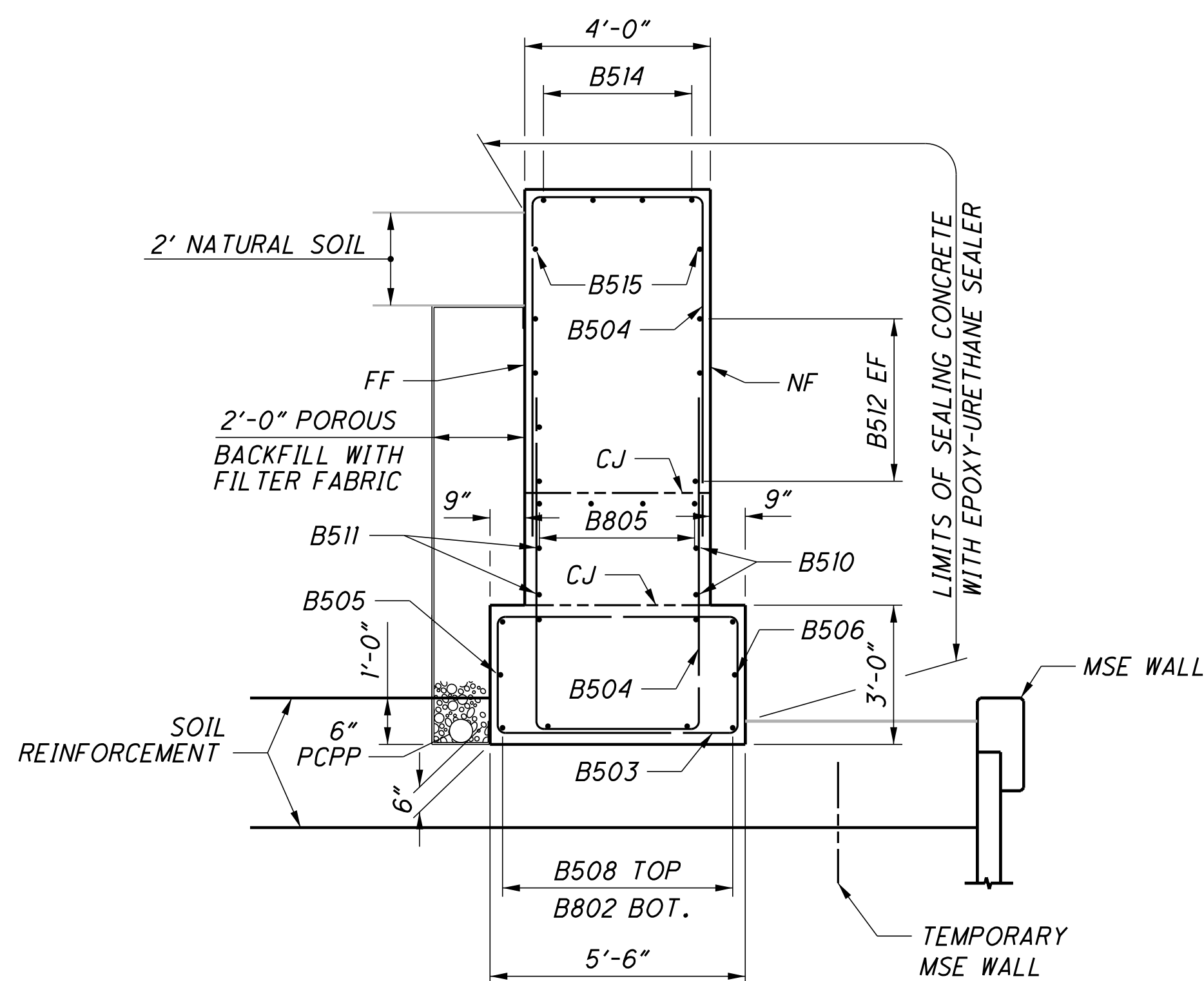


**FOOTING PLAN**

LAP LENGTHS:  
 #5 BARS = 3'-0"  
 #8 BARS = 5'-4"



**SECTION A-A**

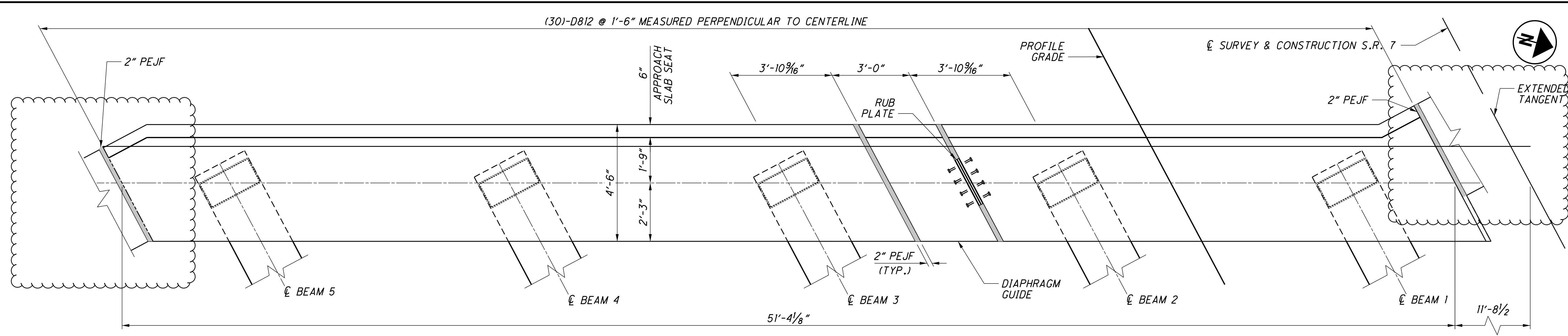


**SECTION B-B**

WINGWALL C SHOWN, WINGWALL D SIMILAR

U:\IT3608714\LAW75923\structures\LAW007\_0370C\sheets\007\_75923CSF002.dgn 12/5/2024 3:29:20 PM bmcneal

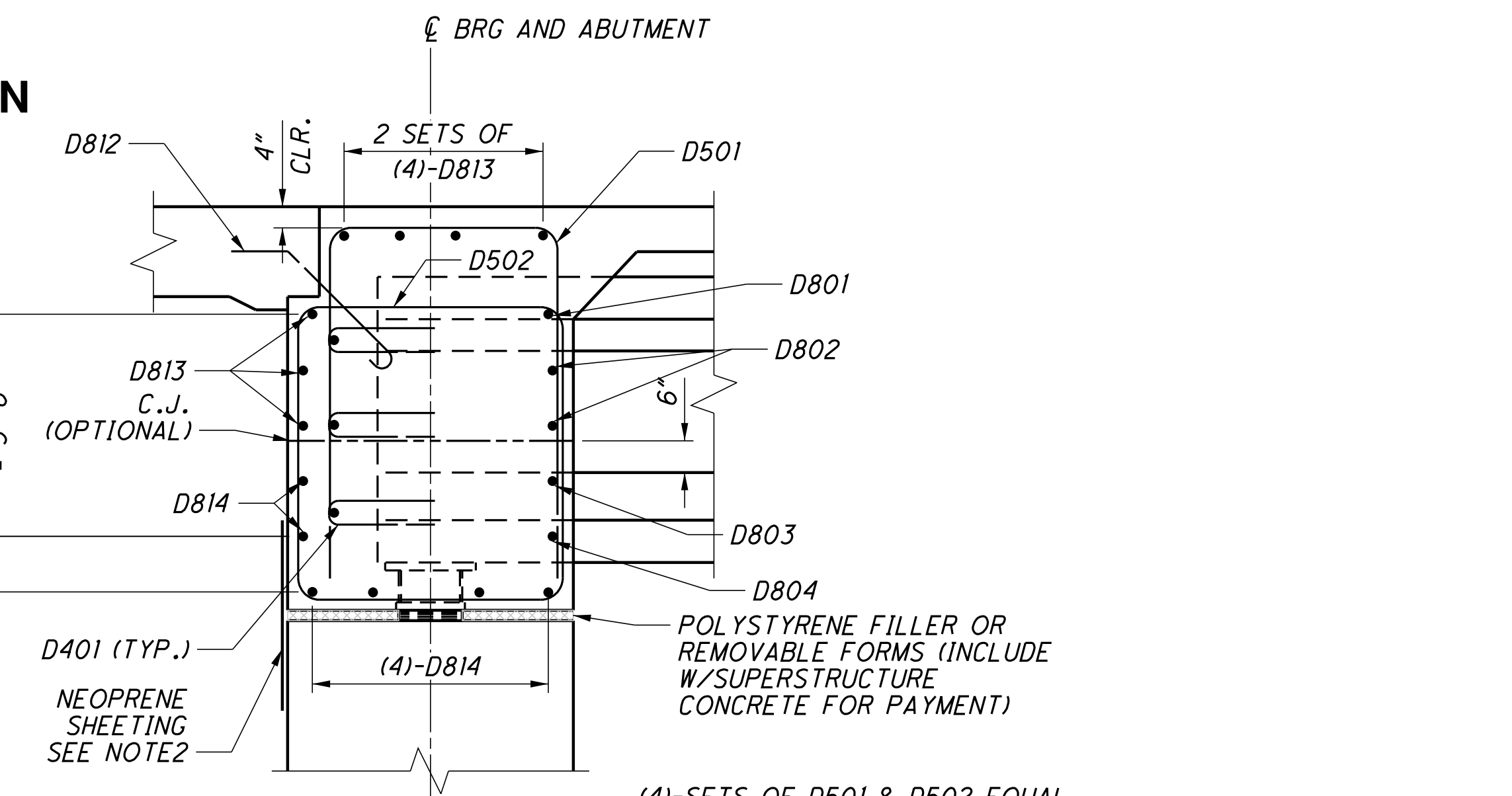
DESIGNED	BSM	CHECKED	EDA
DRAWN	JWS	REVISED	
REVIEWED	MRS	DATE	04/2022
STRUCTURE FILE NUMBER	4400194	DESIGN AGENCY	Stanlec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4983
<b>FORWARD ABUTMENT DETAILS</b> BRIDGE NO. LAW-7-0370 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)			
LAW-7-2.17		PID No. 75923	
9 / 28		825 1247	



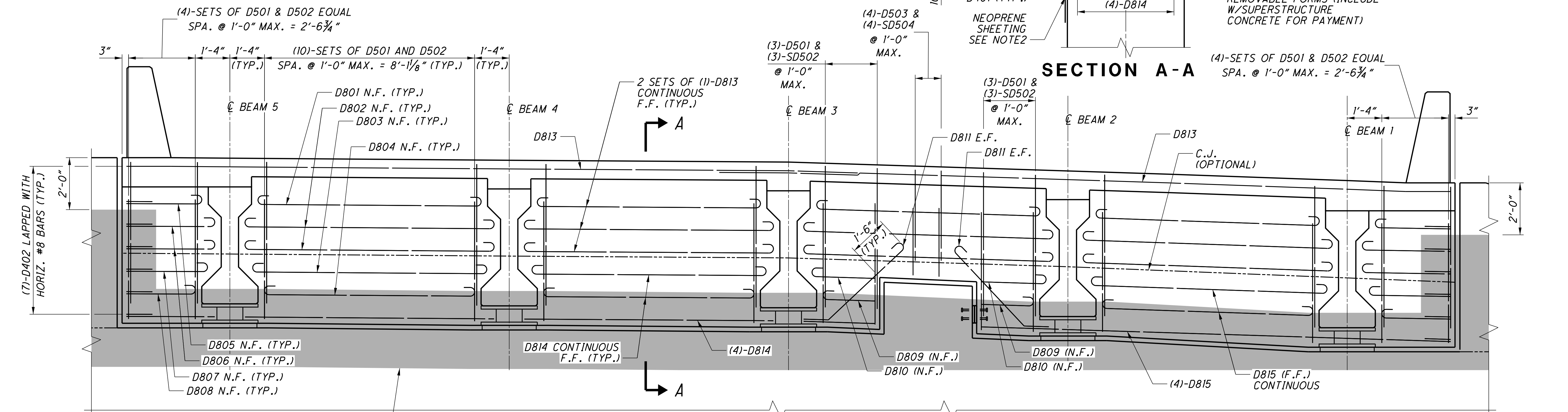
**NOTES:**

1. ALL ABUTMENT DIAPHRAGM CONCRETE SHALL BE ITEM 511 - CLASS OC2 CONCRETE.
2. PLACE NEOPRENE SHEET, 3'-0" WIDE, CENTERED ON HORIZONTAL AND VERTICAL JOINTS AT WINGWALLS AND DIAPHRAGM GUIDE. FOR VERTICAL JOINTS AT WINGWALLS, PLACE NEOPRENE SHEETING CENTERED ON 2" PEJF AND EXTENDING FROM BEAM SEAT TO THE TOP OF THE WINGWALL.
3. SEE STANDARD DRAWING SCID-2-14 FOR DIAPHRAGM GUIDE DETAILS AND PAYMENT.
4. ABUTMENT DIAPHRAGM CONCRETE: PLACE THE DIAPHRAGM CONCRETE ENCASEING THE STRUCTURAL MEMBER ENDS AFTER THE DECK PLACEMENT IN THE ADJACENT SPAN IS COMPLETE. PROCEDURES THAT PLACE THE ABUTMENT DIAPHRAGM WITH THE DECK CONCRETE MAY BE APPROVED BY THE ENGINEER IF THE PLACEMENT SUBMITTAL CAN ASSURE THAT THE DECK CONCRETE IN THE ADJACENT SPAN WILL BE PLACED BEFORE CONCRETE IN THE DIAPHRAGM HAS REACHED ITS INITIAL SET.

**ABUTMENT DIAPHRAGM PLAN**  
REAR ABUTMENT SHOWN, FORWARD ABUTMENT SIMILAR



**SECTION A-A**

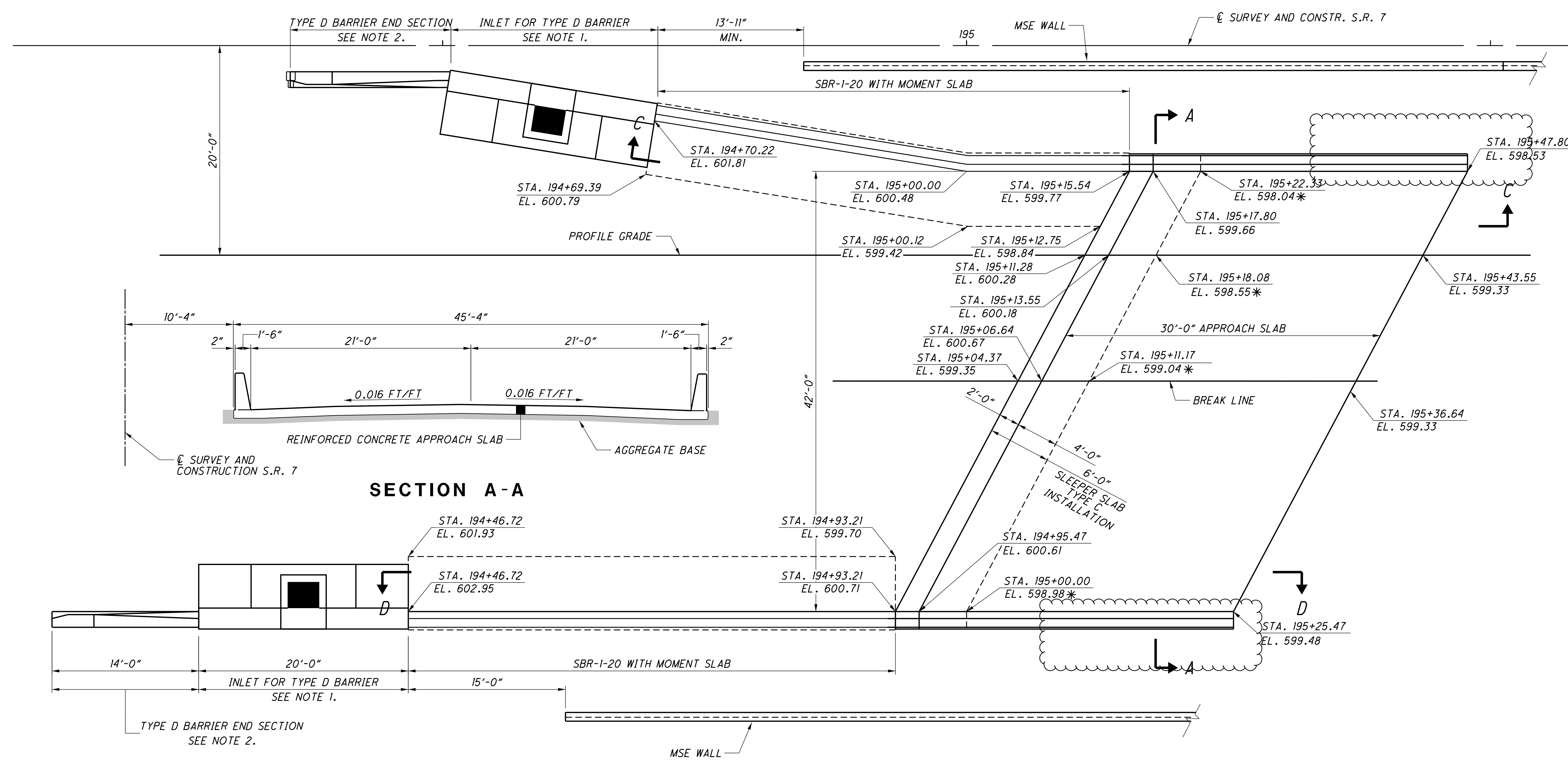


**ABUTMENT DIAPHRAGM ELEVATION**  
REAR ABUTMENT SHOWN, FORWARD ABUTMENT SIMILAR

LAP LENGTH:  
#8 BARS = 5'-4"

DESIGN AGENCY <b>Stanlec Consulting Services Inc.</b> 1600 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4888	DATE <b>03/2024</b>	FILE NUMBER <b>4400194</b>
DRAWN <b>JWS</b>	REVIEWED <b>MRS</b>	STRUCTURE FILE NUMBER <b>4400194</b>
DESIGNED <b>BSM</b>	CHECKED <b>EDA</b>	SUPERSTRUCTURE DETAILS BRIDGE NO. LAW-7-0370 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)
LAW-7-2.17	PID No. 75923	15/28 831 1247

U:\IT3608714\LAW75923\structures\LAW007\_0370C\sheets\007\_75923CS5002.dgn 12/6/2024 9:06:53 AM bmcmed

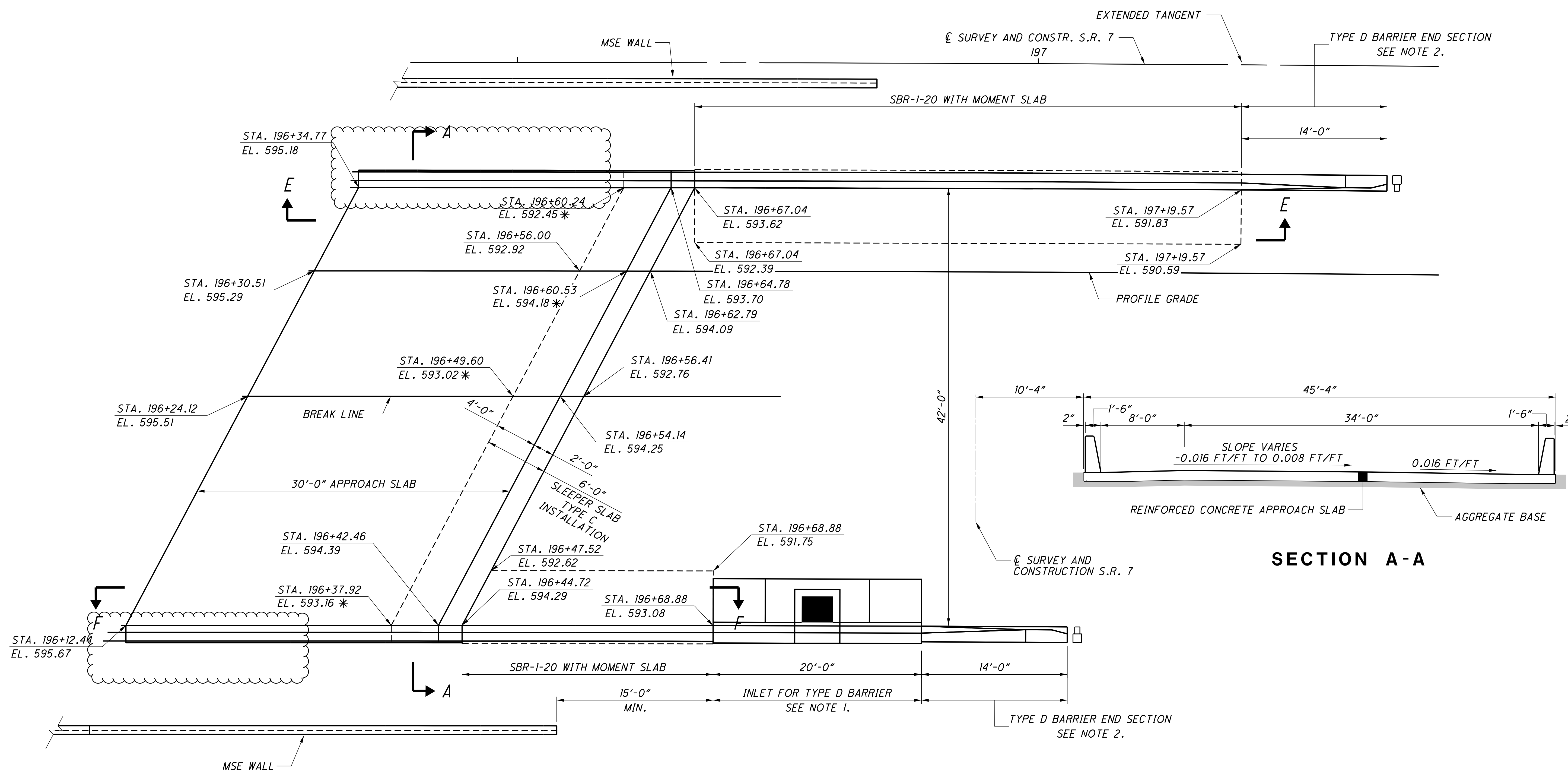


\* - ELEVATION AT TOP OF SLEEPER SLAB.

**REAR APPROACH SLAB**

- NOTES:
1. SEE STD. CONSTR. DWG. I-3D FOR INLET NO. 3 AND STD. CONSTR. DWG. RM-4.5 FOR SINGLE SLOPE BARRIER, TYPE D.
  2. SEE STD. CONSTR. DWG. RM-4.6 FOR TYPE D BARRIER END SECTION.
  3. FOR ADDITIONAL DETAILS OF THE BARRIER. SEE STD. DWG. SBR-1-20, AND SHEET 20/28.
  4. FOR ADDITIONAL DETAILS OF THE APPROACH SLAB, SEE STD. DWG. AS-1-15 AND AS-2-15.
  5. FOR SECTIONS C-C, AND D-D SEE SHEET 20/28.
  6. THE COST OF CONCRETE, AND INCIDENTALS IN BARRIER TO BE INCLUDED WITH ITEM 526 REINFORCED CONCRETE, APPROACH SLAB, AS PER PLAN.

U:\173608714\LAW75923\structures\LAW007\_0370C\sheet\007\_75923CSM001.dgn 12/5/2024 3:29:22 PM bmcned



\* - ELEVATION AT TOP OF SLEEPER SLAB.

### FORWARD APPROACH SLAB

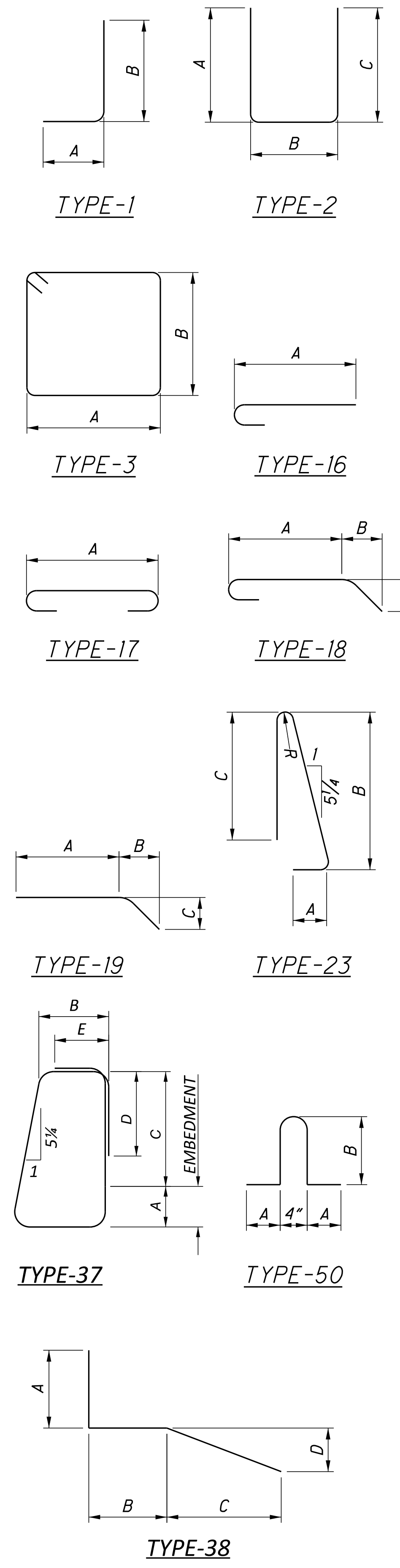
- NOTES:
- SEE STD. CONSTR. DWG. I-3D FOR INLET NO. 3 AND STD. CONSTR. DWG. RM-4.5 FOR SINGLE SLOPE BARRIER, TYPE D.
  - SEE STD. CONSTR. DWG. RM-4.6 FOR TYPE D BARRIER END SECTION.
  - FOR ADDITIONAL DETAILS OF THE BARRIER. SEE STD. DWG. SBR-1-20, AND SHEET **20/28**.
  - FOR ADDITIONAL DETAILS OF THE APPROACH SLAB, SEE STD. DWG. AS-1-15 AND AS-2-15.
  - FOR SECTIONS E-E, AND F-F SEE SHEET **21/28**.
  - THE COST OF CONCRETE, AND INCIDENTALS IN BARRIER TO BE INCLUDED WITH ITEM 526 REINFORCED CONCRETE, APPROACH SLAB, AS PER PLAN.

U:\173608714\LAW75923\structures\LAW007\_0370C\sheet\007\_75923CSM001A.dgn 12/5/2024 3:29:24 PM bmcneel

U:\173608714\LA075923\structures\LA007\_0370C\sheet5\007\_75923CSL001.dgn 12/5/2024 3:29:26 PM bmcneal

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS					
					A	B	C	D	E	R
<b>ABUTMENTS (EPOXY COATED STEEL REINFORCMENT)</b>										
A501	38	17'-2"	680	3	5'-8"	2'-7"				
A502	76	11'-11"	945	2	4'-0"	4'-2"	4'-0"			
A503	11	16'-2"	185	3	5'-2"	2'-7"				
A504	24	17'-11"	448	2	7'-3"	3'-8"	7'-3"			
A505	1	12'-8"	13	19	9'-8"	2'-8"	1'-5"			
A506	1	10'-7"	11	19	7'-7"	2'-8"	1'-5"			
A507	10	10'-0"	104	STR.						
A508	1	10'-7"			7'-7"					
A508	SERIES OF	TO	49	19	TO	2'-8"	1'-5"			8 3/8"
	4	12'-8"			9'-8"					
A509	8	27'-2"	227	STR.						
A510	2	10'-6"	22	19	7'-6"	2'-8"	1'-5"			
A511	2	12'-6"	26	19	9'-6"	2'-8"	1'-5"			
A512	16	7'-3"	121	STR.						
A513	12	28'-0"	350	STR.						
A514	8	7'-0"	58	STR.						
A515	4	4'-0"	17	STR.						
A801	8	29'-1"	621	STR.						
	1	12'-11"			7'-7"					
A802	SERIES OF	TO	149	19	TO	4'-8"	2'-7"			8 3/8"
	4	15'-0"			9'-8"					
A803	8	10'-0"	214	STR.						
A804	8	28'-4"	605	STR.						
	1	12'-10"			7'-6"					
A805	SERIES OF	TO	148	19	TO	4'-8"	2'-7"			8"
	4	14'-10"			9'-6"					
B501	37	17'-2"	662	3	5'-8"	2'-7"				
B502	74	11'-11"	920	2	4'-0"	4'-2"	4'-0"			
B503	12	16'-2"	202	3	5'-2"	2'-7"				
B504	24	17'-11"	448	2	7'-3"	3'-8"	7'-3"			
B505	1	12'-8"	13	19	9'-8"	2'-8"	1'-5"			
B506	1	10'-7"	11	19	7'-7"	2'-8"	1'-5"			
B507	10	10'-0"	104	STR.						
	1	10'-7"			7'-7"					
B508	SERIES OF	TO	49	19	TO	2'-8"	1'-5"			8 3/8"
	4	12'-8"			9'-8"					
B509	8	27'-2"	227	STR.						
B510	2	10'-6"	22	19	7'-6"	2'-8"	1'-5"			
B511	2	12'-6"	26	19	9'-6"	2'-8"	1'-5"			
B512	16	7'-3"	121	STR.						
B513	12	28'-0"	350	STR.						
B514	8	7'-0"	58	STR.						
B515	4	4'-0"	17	STR.						
B801	8	29'-1"	621	STR.						
	1	12'-11"			7'-7"					
B802	SERIES OF	TO	149	19	TO	4'-8"	2'-7"			8 3/8"
	4	15'-0"			9'-8"					
B803	8	10'-0"	214	STR.						
B804	8	27'-3"	582	STR.						
	1	12'-10"			7'-6"					
B805	SERIES OF	TO	148	19	TO	4'-8"	2'-7"			8"
	4	14'-10"			9'-6"					
TOTAL			9937							

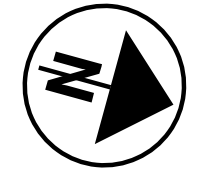
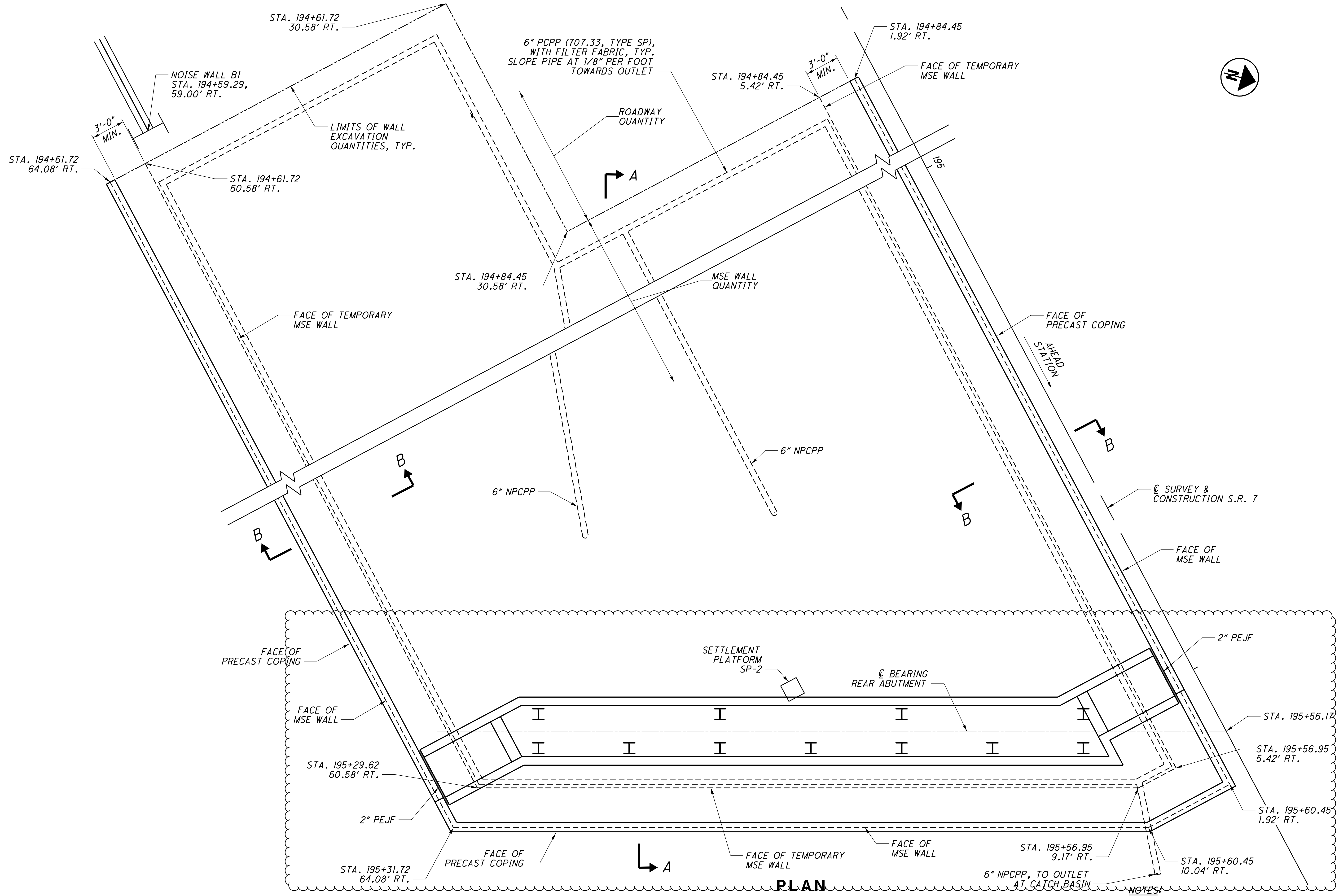
MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS					
					A	B	C	D	E	R
<b>SUPERSTRUCTURE (EPOXY COATED STEEL REINFORCMENT)</b>										
D401	30	4'-0"	80	STR						
D402	24	6'-0"	96	2	1'-0"	4'-2"	1'-0"			
D501	88	14'-11"	1369	2	5'-6"	4'-2"	5'-6"			
D502	88	19'-2"	1759	3	4'-2"	5'-1"				
D503	8	12'-7"	105	2	4'-4"	4'-2"	4'-4"			
D504	8	14'-10"	124	3	4'-2"	2'-11"				
D801	8	10'-3"	219	17	8'-7"					
D802	16	11'-3"	481	17	9'-7"					
D803	6	10'-8"	171	17	9'-0"					
D804	6	9'-7"	154	17	7'-11"					
D805	4	3'-8"	39	16	2'-10"					
D806	8	4'-2"	89	16	3'-4"					
D807	4	3'-11"	42	16	3'-1"					
D808	4	3'-5"	36	16	2'-7"					
D809	4	2'-10"	30	16	2'-0"					
D810	4	3'-3"	35	16	2'-5"					
D811	8	5'-9"	123	18	4'-0"	0'-8"	0'-8"			
D812	60	4'-10"	774	18	2'-8"	1'-0"	1'-0"			
D813	28	27'-6"	2056	STR						
D814	12	27'-0"	865	STR						
D815	12	18'-1"	579	STR						
S401	150	30'-4"	3039	STR						
S402	348	8'-6"	1976	16	8'-0"					
S403	180	4'-2"	501	STR						
S404	150	10'-2"	1019	50	9'-0"	1'-2"				
S501	189	30'-11"	6095	STR						
S502	270	24'-7"	6923	16	24'-0"					
S503	135	28'-9"	4048	STR						
S504	135	19'-3"	2710	STR						
	4 SR	2'-0"								
S505	OF	TO	4318	STR						0'-11"
	46	43'-0"								
G501	348	14'-0"	5081	2	6'-10"	0'-7"	6'-10"			
G502	54	30'-0"	1690	STR						
G503	18	18'-2"	341	STR						
G504	18	16'-2"	304	STR						
G505	18	25'-2"	472	STR						
G506	18	23'-9"	446	STR						
G601	320	7'-8"	3685	37	1'-0"	0'-9 1/2"	1'-5"	1'-0"	0'-7"	
G602	512	7'-0"	5383	23	0'-6"	3'-3"	3'-3"		0'-2"	
G603	12	9'-11"	178	37	2'-0"	0'-9 1/2"	1'-5"	1'-0"	0'-7"	
G604	180	8'-3"	2230	1	3'-0"	5'-5"				
G605	180	8'-2"	2208	38	3'-0"	2'-0"	3'-3"	0'-8"		
TOTAL			61,873							



DESIGN AGENCY: Stanec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100, Columbus, Ohio 43204 (614) 486-6985  
 DATE: 03/2024  
 REVIEWED: MRS. JWS  
 DRAWN: JWS  
 DESIGNED: BSM  
 CHECKED: EDA  
 STRUCTURE FILE NUMBER: 4400194  
**REINFORCING STEEL LIST**  
 BRIDGE NO. LAW-7-0370  
 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)  
**LAW-7-2.17**  
 PID No. 75923  
 22/28  
 838  
 1247

MARK	NUMBER	LENGTH	TOTAL LENGTH	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
<b>PARAPET (GLASS FIBER REINFORCED POLYMER - GFRP)</b>											
X401	77	30'-0"	2310'-0"	STR							
X402	22	28'-10"	643'-4"	STR							
X403	11	16'-4"	179'-8"	STR							
X404	44	1'-7"	69'-8"	STR							
X405	44	29'-8"	1305'-4"	STR							
X406	11	14'-3"	159'-9"	STR							
X407	11	23'-3"	255'-9"	STR							
X408	11	24'-9"	272'-3"	STR							
Y401	136	10'-0"	1360'-0"	STR							
Y402	16	13'-6"	216'-0"	STR							
Y403	8	12'-10"	102'-8"	STR							
Y404	4	13'-6"	54'-0"	STR							
Y405	4	12'-6"	50'-0"	STR							
Y406	4	14'-1"	56'-4"	STR							
<b>TOTAL</b>			<b>7,034'-9"</b>								

U:\IT3608714\LAW75923\structures\LAW007\_0370C\sheets\007\_75923CWP001.dgn 12/5/2024 3:29:30 PM bmcneal



- NOTES:
1. FOR ELEVATIONS, SEE SHEET 26/28.
  2. FOR SECTION A-A, SEE SHEET 27/28.
  3. FOR SECTION B-B, SEE SHEET 28/28.

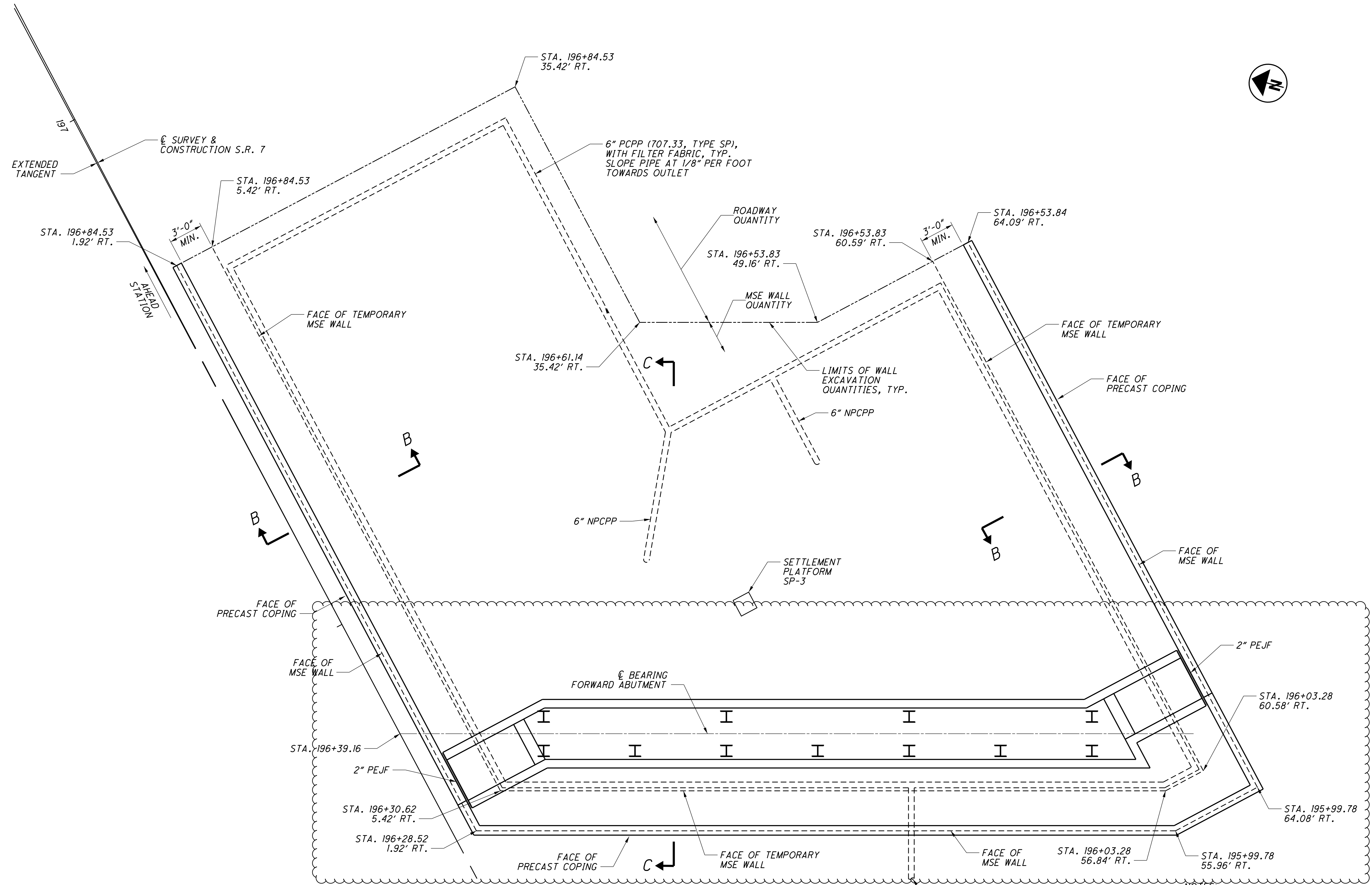
DESIGNED	BSM	CHECKED	EDA
DRAWN	JWS	REVISED	
REVIEWED	MRS	DATE	04/2022
STRUCTURE FILE NUMBER	4400194		
DESIGN AGENCY	Stanlec Consulting Services Inc. 1600 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4888		

WALL 1 PLAN  
 BRIDGE NO. LAW-7-0370  
 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)

LAW-7-2.17  
 PID No. 75923

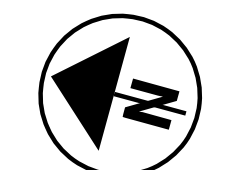
24/28  
 840  
 1247

U:\173608714\LAW75923\structures\LAW007\_0370C\sheet\007\_75923CWP002.dgn 12/5/2024 3:29:32 PM bmcneal



PLAN

- NOTES:
1. FOR ELEVATIONS, SEE SHEET 26/28.
  2. FOR SECTION A-A, SEE SHEET 27/28.
  3. FOR SECTION B-B, SEE SHEET 28/28.



DESIGN AGENCY  
 Stanlec Consulting Services Inc.  
 1500 Lake Shore Drive, Suite 100  
 Columbus, Ohio 43204  
 (614) 486-4985



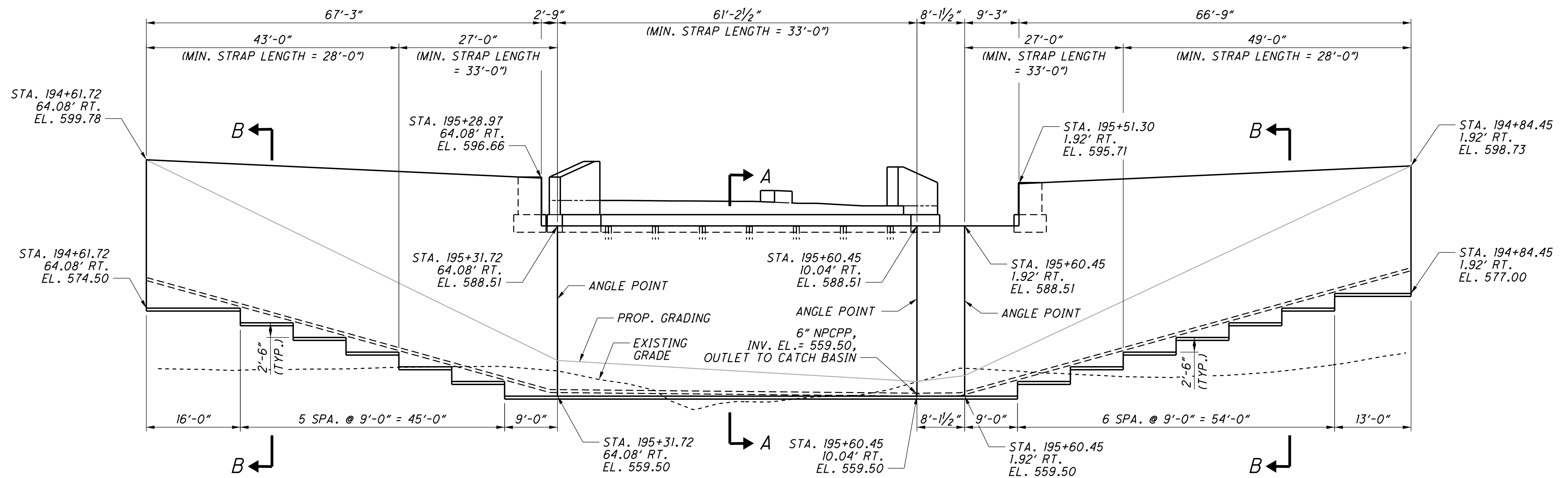
DESIGNED	BSM	CHECKED	EDA
DRAWN	JWS	REVISED	
REVIEWED	MRS	STRUCTURE FILE NUMBER	4400194
DATE	04/2022	FILE NUMBER	

WALL 2 PLAN  
 BRIDGE NO. LAW-7-0370  
 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)

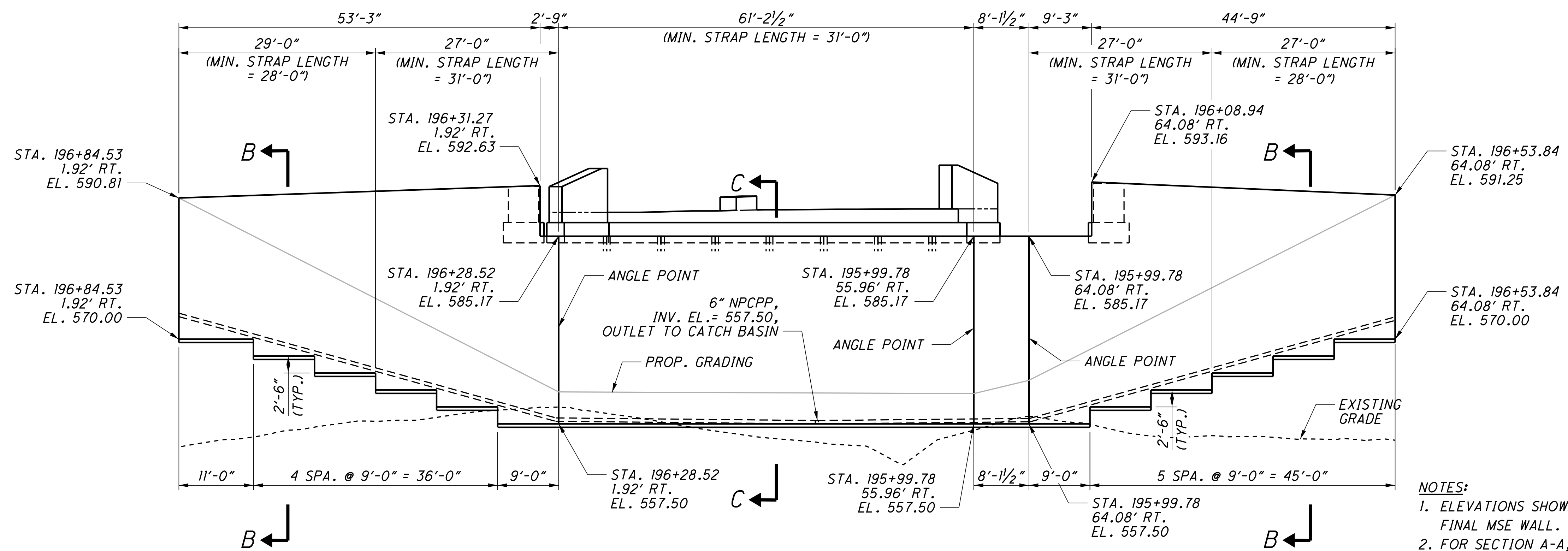
LAW-7-2.17  
 PID No. 75923



U:\IT3608714\LAW75923\structures\LAW007\_0370C\sheet\007\_75923CWD001.dgn 12/5/2024 3:29:34 PM bmcned



**WALL 1 ELEVATION (DEVELOPED)**

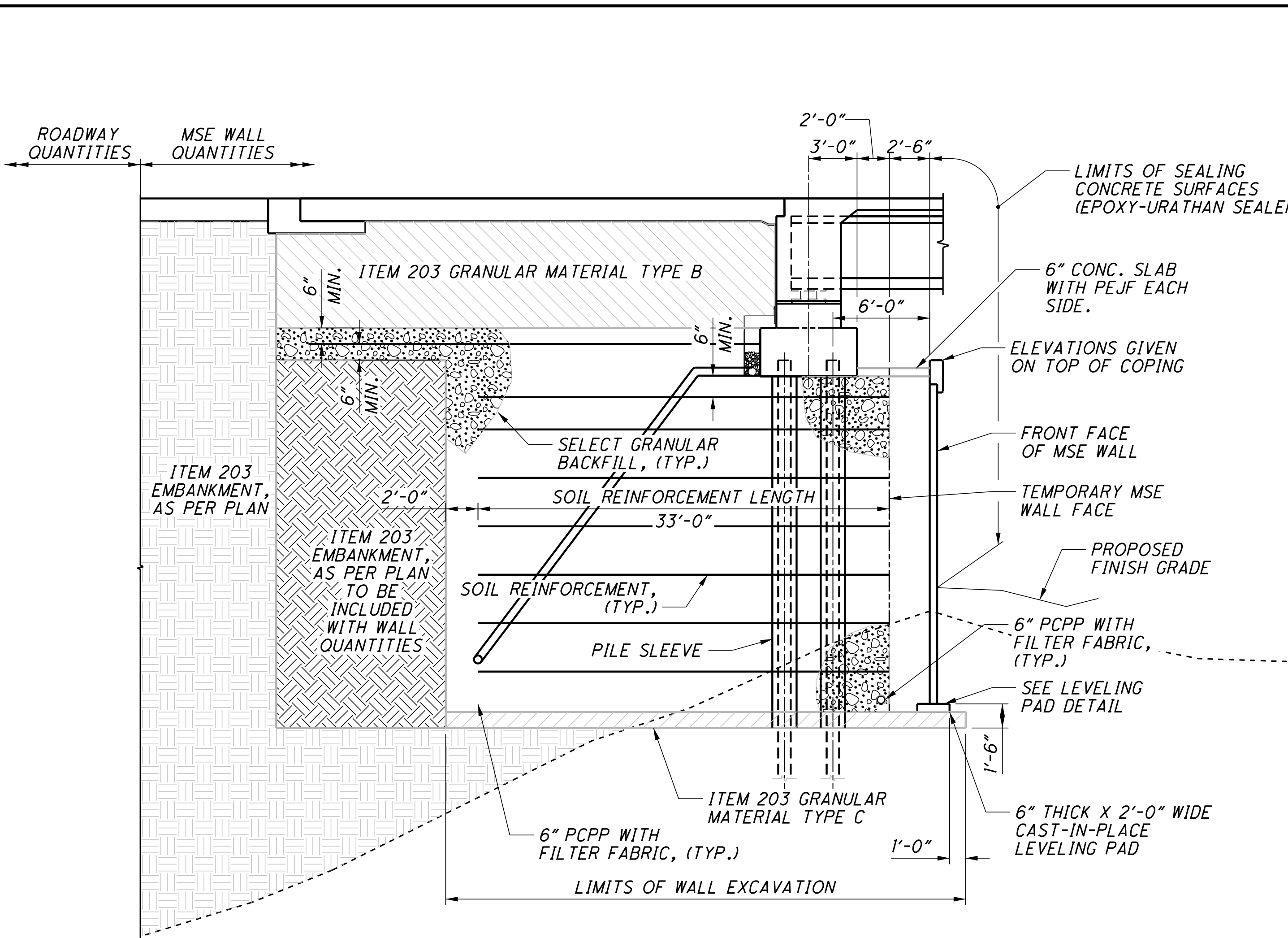


**WALL 2 ELEVATION (DEVELOPED)**

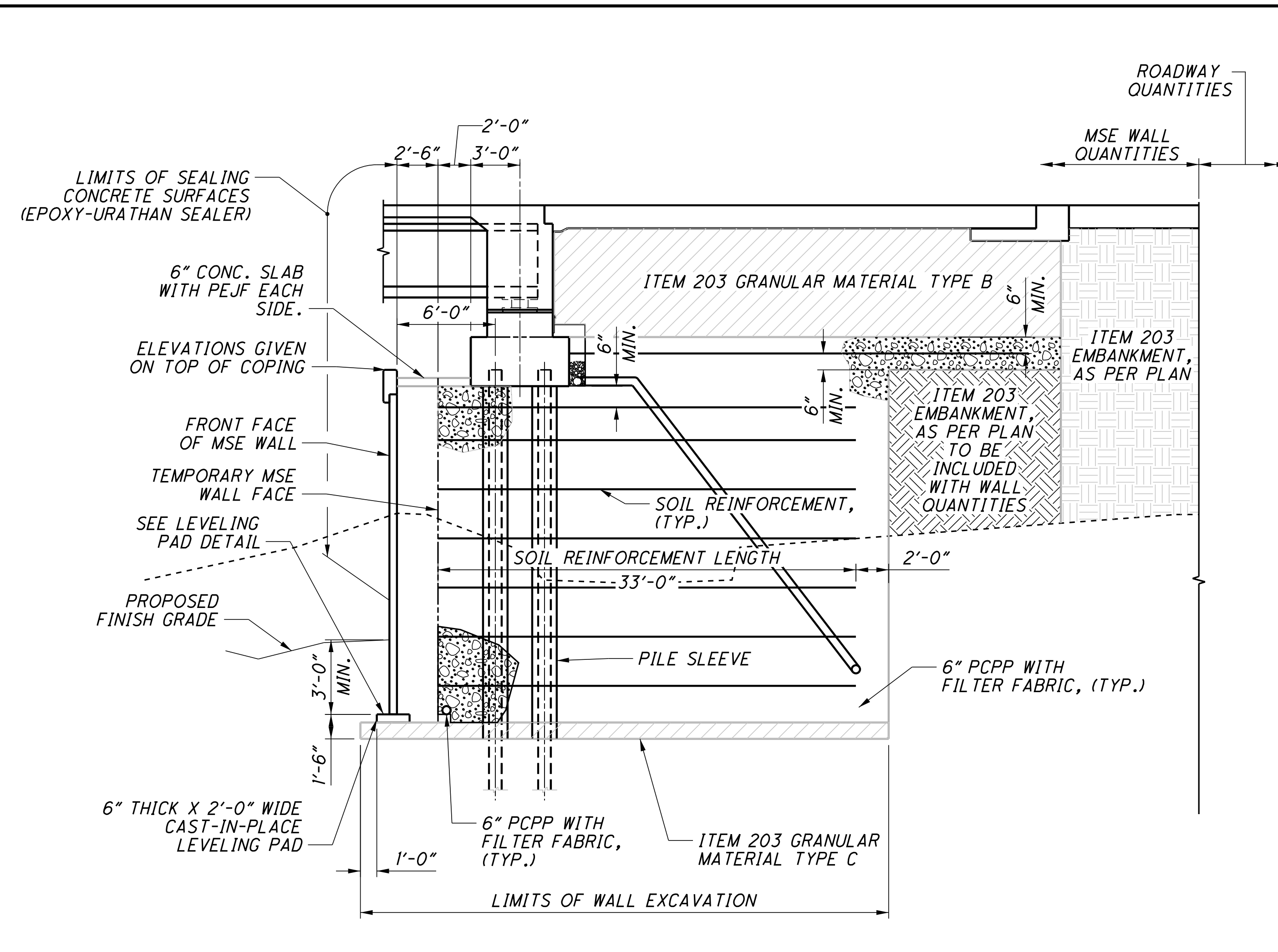
- NOTES:**
1. ELEVATIONS SHOWN ARE FOR TEMPORARY AND FINAL MSE WALL.
  2. FOR SECTION A-A, SEE SHEET 27/28.
  3. FOR SECTION B-B, SEE SHEET 28/28.
  4. FOR SECTION C-C, SEE SHEET 27/28.
  5. STRAP LENGTHS SHOWN ARE MEASURED FROM THE FACE OF TEMPORARY MSE WALL.
  6. ALL METAL COMPONENTS OF TEMPORARY WALL SHALL BE GALVANIZED PER SS867.03.A.

DESIGNED	BSM	CHECKED	EDA
DRAWN	JWS	REVISED	
REVIEWED	MRS	STRUCTURE FILE NUMBER	4400194
DATE	03/2024	FILE NUMBER	
DESIGN AGENCY	Stanec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4985		
<b>WALL 1 AND WALL 2 ELEVATION</b>			
BRIDGE NO. LAW-7-0370			
S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)			
<b>LAW-7-2.17</b>			
PID No. 75923			
26/28			
842 1247			

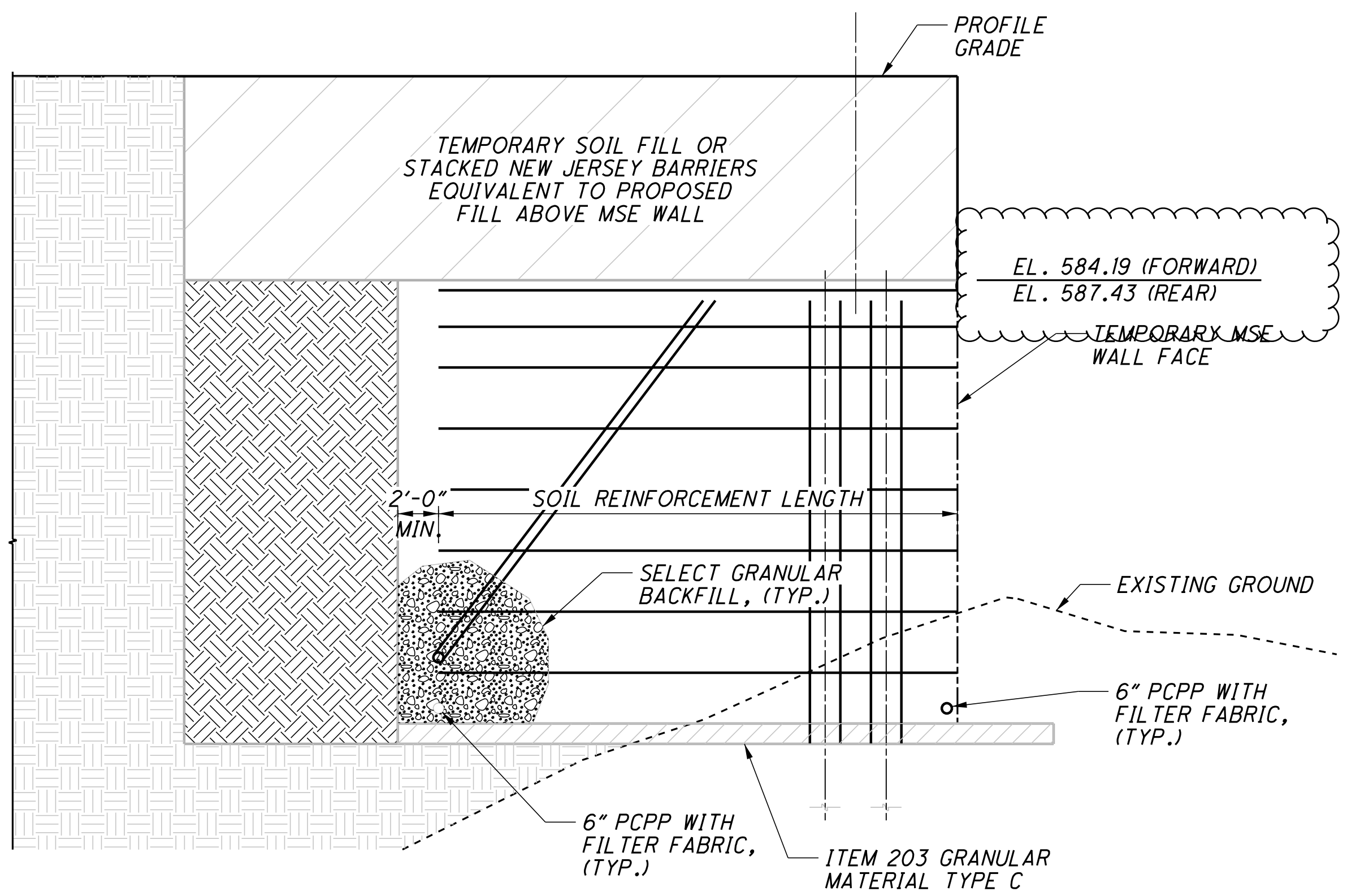
U:\173608714\LA75923\structures\LA007\_0370C\sheet\007\_75923CWD002.dgn 12/5/2024 3:29:37 PM bmcnd



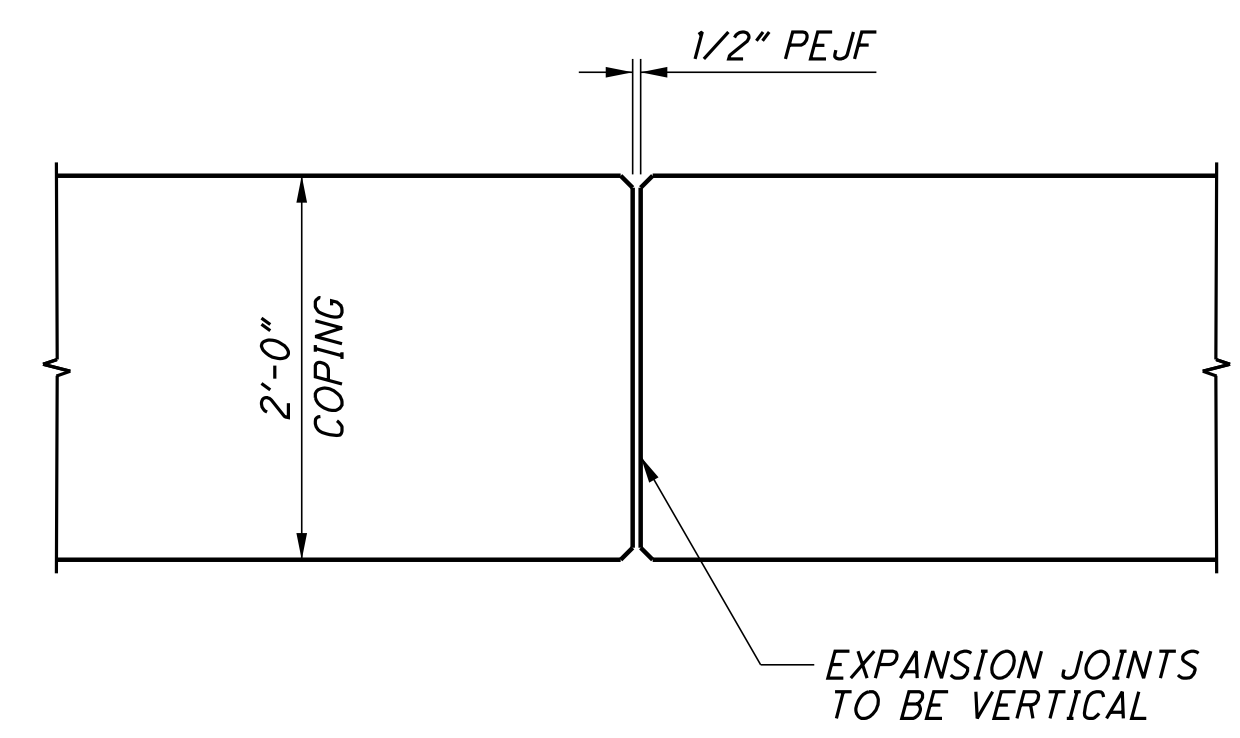
**SECTION A-A**  
(WALL 1)



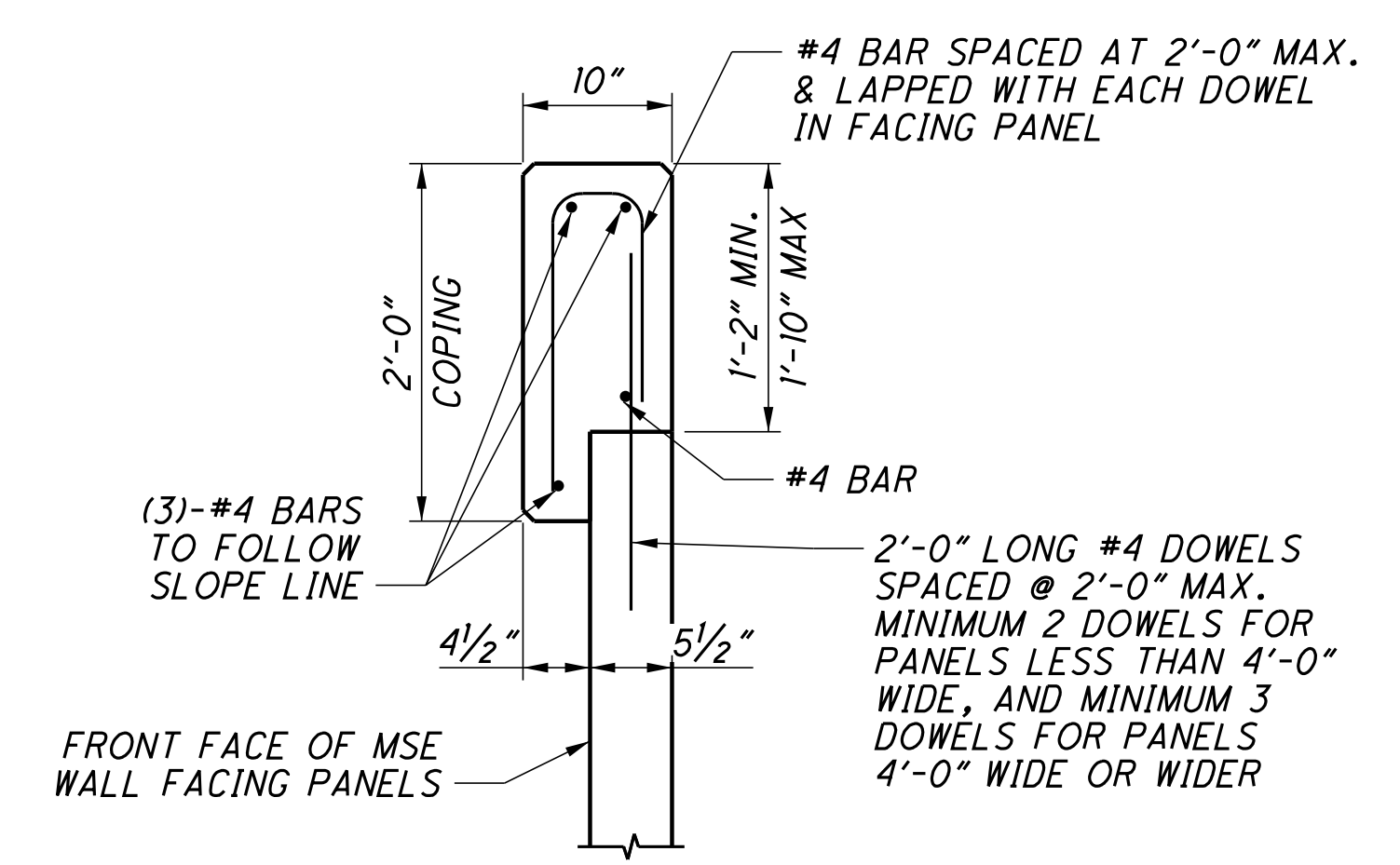
**SECTION C-C**  
(WALL 2)



**TEMPORARY MSE WALL DETAIL**



**COPING EXPANSION JOINTS**

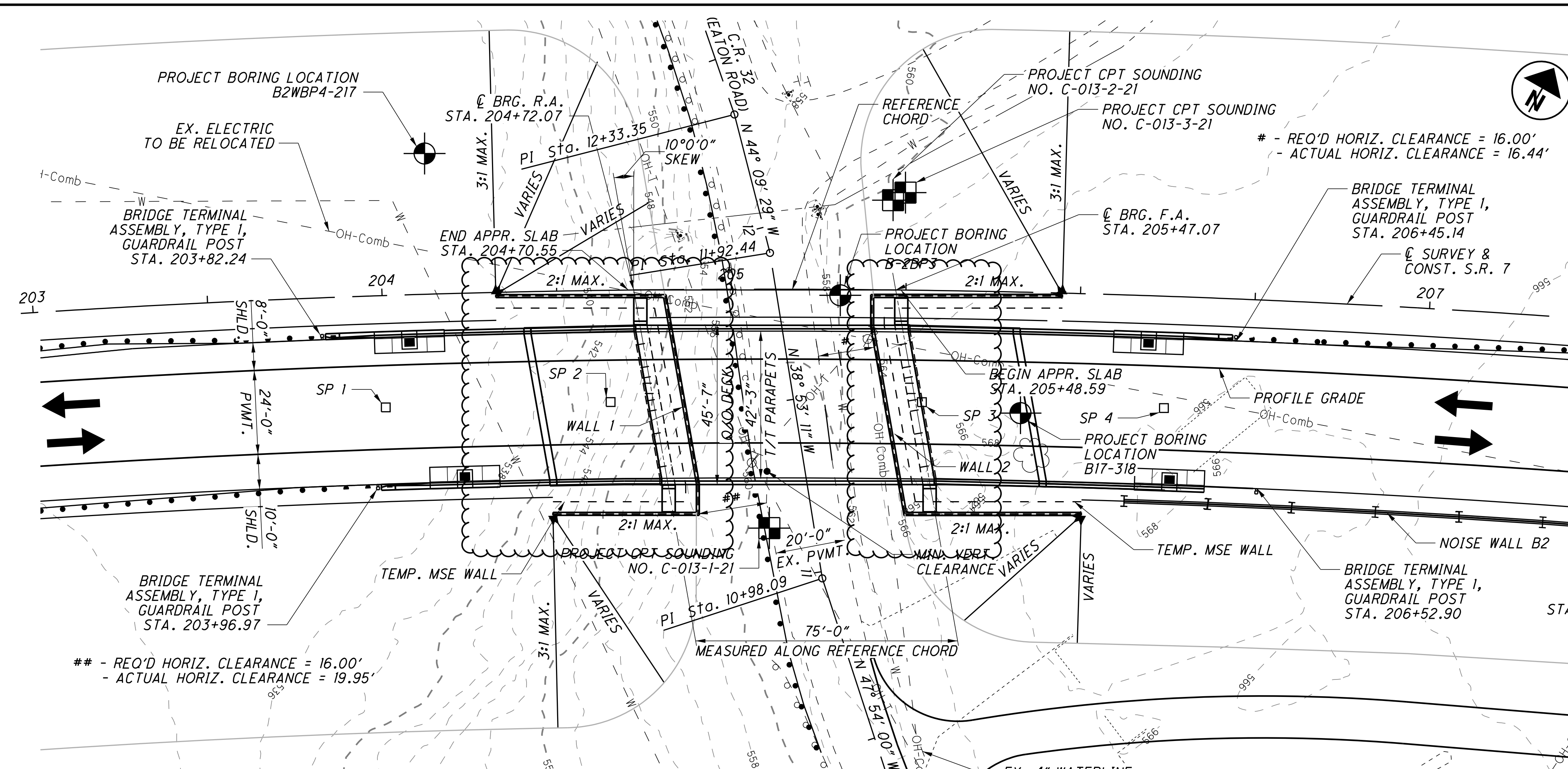


**MSE WALL COPING**  
(ALL REINFORCING STEEL TO BE EPOXY COATED)

**NOTE:**  
ALL METAL COMPONENTS OF THE TEMPORARY MSE WALL SHALL BE GALVANIZED ACCORDING TO SS867.03.A

DESIGN AGENCY	Stanlec Consulting Services Inc. 1900 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4983
DATE	03/2024
REVIEWED	MRS
DRAWN	JWS
DESIGNED	BSM
CHECKED	EDA
STRUCTURE FILE NUMBER	4400194
WALL SECTIONS	BRIDGE NO. LAW-7-0370 S.R. 7 OVER C.R. 104 (BOOTHE EATON ROAD)
LAW-7-2.17	PID No. 75923
27/28	843 1247

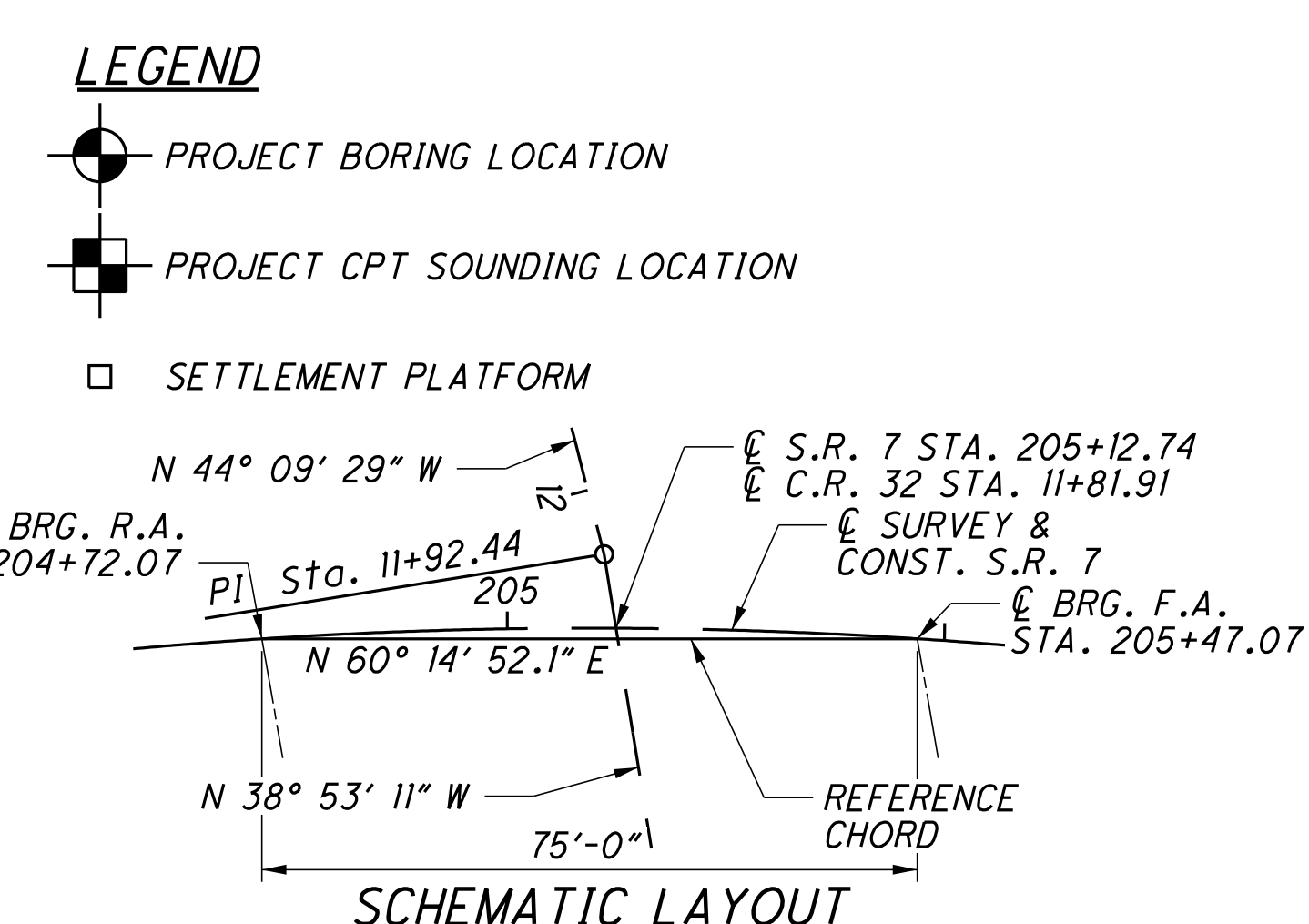
U:\173608714\LA\75923\structures\LA007\_0387C\sheet\007\_75923CSP001.dgn 12/5/2024 11:44:49 AM bmcmed



BENCHMARK DATA	
BM #1 STA. 182+35.75, ELEV. 568.32, OFFSET 560.76' RL	
BM #2 STA. 207+14.67, ELEV. 575.38, OFFSET 966.60' LL	

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET

- NOTES**
- EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
  - FOR PRIMARY PROJECT CONTROL INFORMATION TABLE SEE ROADWAY GENERAL NOTES.
  - FOR LIST OF ABBREVIATIONS SEE SHEET [2/28].
- DESIGN TRAFFIC:  
 2028 ADT = 13,400    2028 ADTT = 1,072  
 2048 ADT = 17,500    2048 ADTT = 1,400  
 DIRECTIONAL DISTRIBUTION = 53/47



ESTIMATED PILE LENGTHS	
LOCATION	LENGTH
REAR ABUTMENT	80'
FORWARD ABUTMENT	90'

VERTICAL CURVE DATA	
LENGTH = 1900'	
PVC STA. = 192+75.00	PVC ELEV. = 612.74
PVI STA. = 202+25.00	PVI ELEV. = 555.74
PVT STA. = 211+75.00	PVT ELEV. = 609.67
G1 = -6.00%	G2 = 5.68%

CURVE (S.R. 7 CURVE NO. 3)		
P.I. STA. 205+33.31	E = 70.53'	LT = 150.01'
Δ = 27° 30' 45" (RT)	TS STA. = 196+19.13	ST = 75.01'
Dc = 1° 45' 00"	SC STA. = 198+44.13	e <sub>max</sub> = 4.60%
R = 3,274.04'	θs = 1° 58' 07"	CS STA. 211+91.27
T = 683.24'	Ls = 225.00'	ST STA. 214+16.27
L = 1,347.14'	Ts = 914.18'	

**PROPOSED STRUCTURE**

TYPE: PRESTRESSED CONCRETE I-BEAMS (AASHTO TYPE 4) WITH COMPOSITE CONCRETE SLAB SUPPORTED BY SEMI-INTEGRAL ABUTMENTS ON SLEEVED PILES THROUGH MSE WALL FILL.

SPANS: 75'-0" C/C ABUTMENT BEARINGS (MEASURED ALONG REFERENCE CHORD)

ROADWAY: 42'-3" TOE/TOE PARAPET

LOADING: HL-93 AND 60 LBS/FT<sup>2</sup> FUTURE WEARING SURFACE

WEARING SURFACE: 1" MONOLITHIC WEARING SURFACE

SKEW: 10°00'00" (RF) (MEASURED WITH RESPECT TO REF. CHORD)

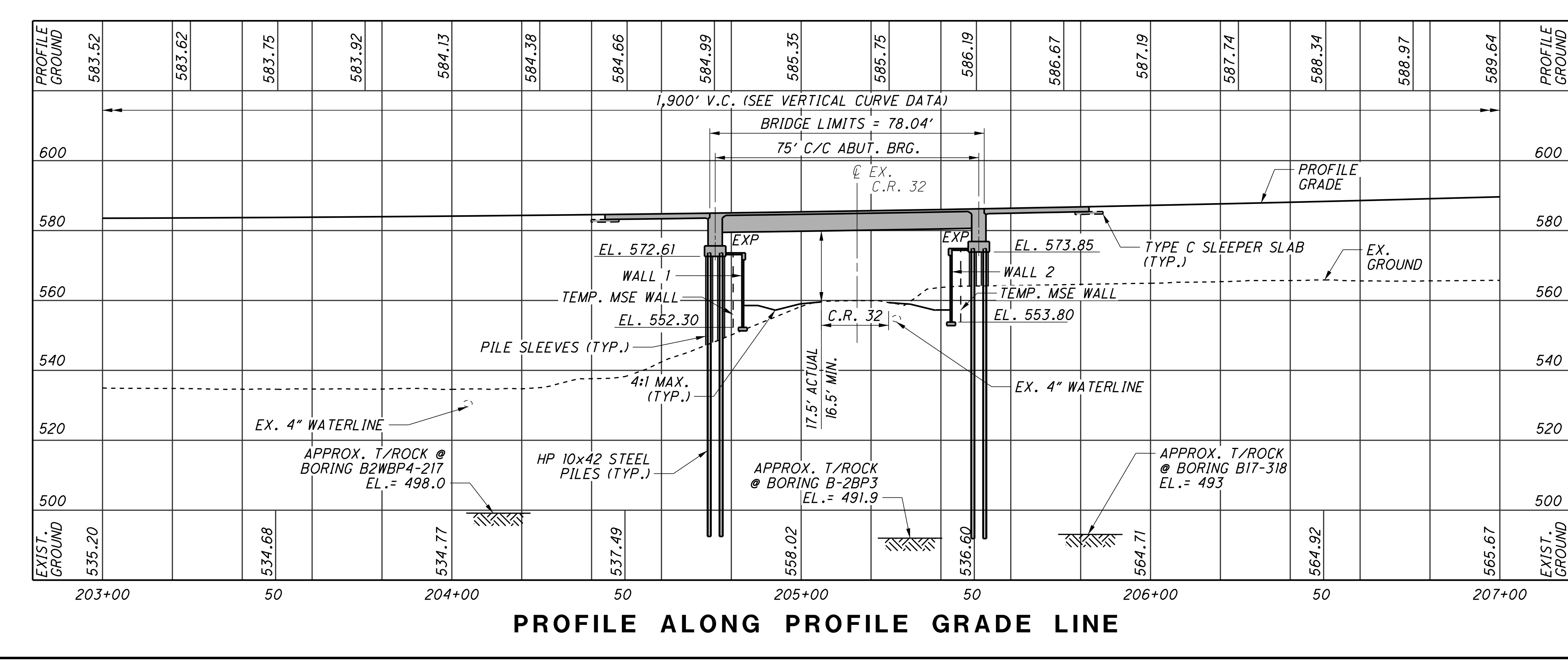
APPROACH SLABS: AS-1-15 & AS-2-15, 30' LONG

ALIGNMENT: 1°45'00" CURVE RIGHT

SUPERELEVATION: 0.046 FT/FT

COORDINATES: LATITUDE 38°26'56.26" N  
 LONGITUDE 82°26'00.61" W

DECK AREA: 3558 SF



DESIGN AGENCY: Staniec Consulting Services Inc.  
 1500 Lake Shore Drive, Suite 100  
 Columbus, Ohio 43224  
 (614) 486-1985  
 DATE: 03/2024  
 REVIEWED: EDA  
 DRAWN: JWS  
 DESIGNED: BSM  
 CHECKED: MRS  
 STRUCTURE FILE NUMBER: 4400259  
 LAWRENCE COUNTY  
 STA. 204+70.55  
 STA. 205+48.59  
 BRIDGE NO. LAW-7-0387  
 S.R. 7 OVER C.R. 32 (EATON ROAD)  
 LAW-7-2.17  
 PID No. 75923  
 1/28  
 (870/1247)

ESTIMATED QUANTITIES

CALCULATED BY: BSM 03/08/24  
CHECKED BY: MRS 03/14/24

02/NHS/08	ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT	SUPER.	GEN.	SEE SHEET
4	SPEC	20365000	4	EACH	SETTLEMENT PLATFORM			4	3/28
LUMP	503	11100	LUMP	LS	COFFERDAMS AND EXCAVATION BRACING			LUMP	
LUMP	505	11100	LUMP	LS	PILE DRIVING EQUIPMENT MOBILIZATION			LUMP	
1980	507	00100	1980	FT	STEEL PILES HP10X42, FURNISHED	1980			
1870	507	00150	1870	FT	STEEL PILES HP10X42, DRIVEN	1870			
58350	509	10000	58350	POUND	EPOXY COATED STEEL REINFORCEMENT	9492	48858		
5475.25	509	30020	5475.25	FT	NO. 4 DEFORMED GFRP REINFORCEMENT		5475.25		
2	511	33500	2	EA	SEMI-INTEGRAL DIAPHRAGM GUIDE	2			
176	511	34446	176	CY	CLASS OC2 CONCRETE WITH OC/OA, BRIDGE DECK		176		
24	511	34450	24	CY	CLASS OC2 CONCRETE WITH OC/OA, BRIDGE DECK (PARAPET)		24		
151	511	43512	151	CY	CLASS OC1 CONCRETE WITH OC/OA, ABUTMENT INCLUDING FOOTING	151			
463	512	10100	463	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	117	346		
5	515	15020	5	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4, 76'-8"		5		
4	515	20000	4	EACH	INTERMEDIATE DIAPHRAGMS		4		
93	516	10010	93	FT	ARMORLESS PREFORMED JOINT SEAL	93			
270	516	13900	270	SF	2" PREFORMED EXPANSION JOINT FILLER	270			
118	516	14020	118	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	118			
10	516	44100	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (2.063"x12"x25")	10			
90	518	21200	90	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	90			
126	518	40000	126	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	126			
14	518	40010	14	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	14			
304	526	30011	304	SY	REINFORCED CONCRETE APPROACH SLABS WITH OC/OA (T=17"), AS PER PLAN		304	18&19/26	
93	526	90030	93	FT	TYPE C INSTALLATION		93		
4	611	99114	4	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D			4	
4	622	25000	4	EACH	CONCRETE BARRIER END SECTION, TYPE D			4	
4	622	90200	4	EACH	BARRIER, MISC.: SINGLE SLOPE CONCRETE BRIDGE RAILING WITH MOMENT SLAB			4	

U:\IT3608714\LAW75923\structures\LAW007\_0387C\sheet5\007\_75923C50001.dgn 12/6/2024 9:16:33 AM bmcneal

DESIGN AGENCY  
**Stanec Consulting Services Inc.**  
1600 Lake Shore Drive, Suite 100  
Columbus, Ohio 43204  
(614) 486-4983



DATE: 03/2024  
REVIEWED: EDA  
STRUCTURE FILE NUMBER: 4400259

DRAWN: JWS  
REVISED:

DESIGNED: BSM  
CHECKED: MRS

ESTIMATED QUANTITIES  
BRIDGE NO. LAW-7-0387  
S.R. 7 OVER C.R. 32 (EATON ROAD)

LAW-7-2.17  
PID No. 75923

NOTE: FOR MSE WALL QUANTITIES, SEE SHEET 28/28.

MEASURED ALONG REFERENCE CHORD 75'-0"

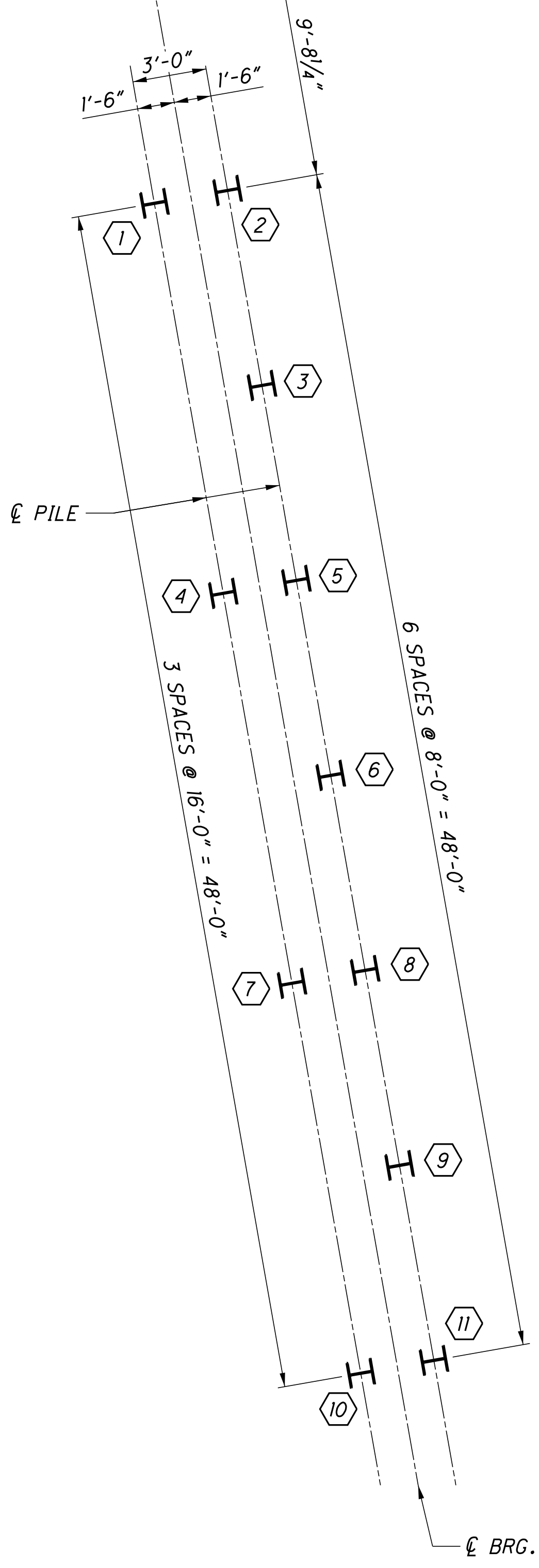
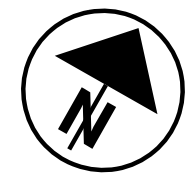
10°0'0" (TYP.)  
WORK POINT 1  
STA. 204+72.07

205

REFERENCE CHORD

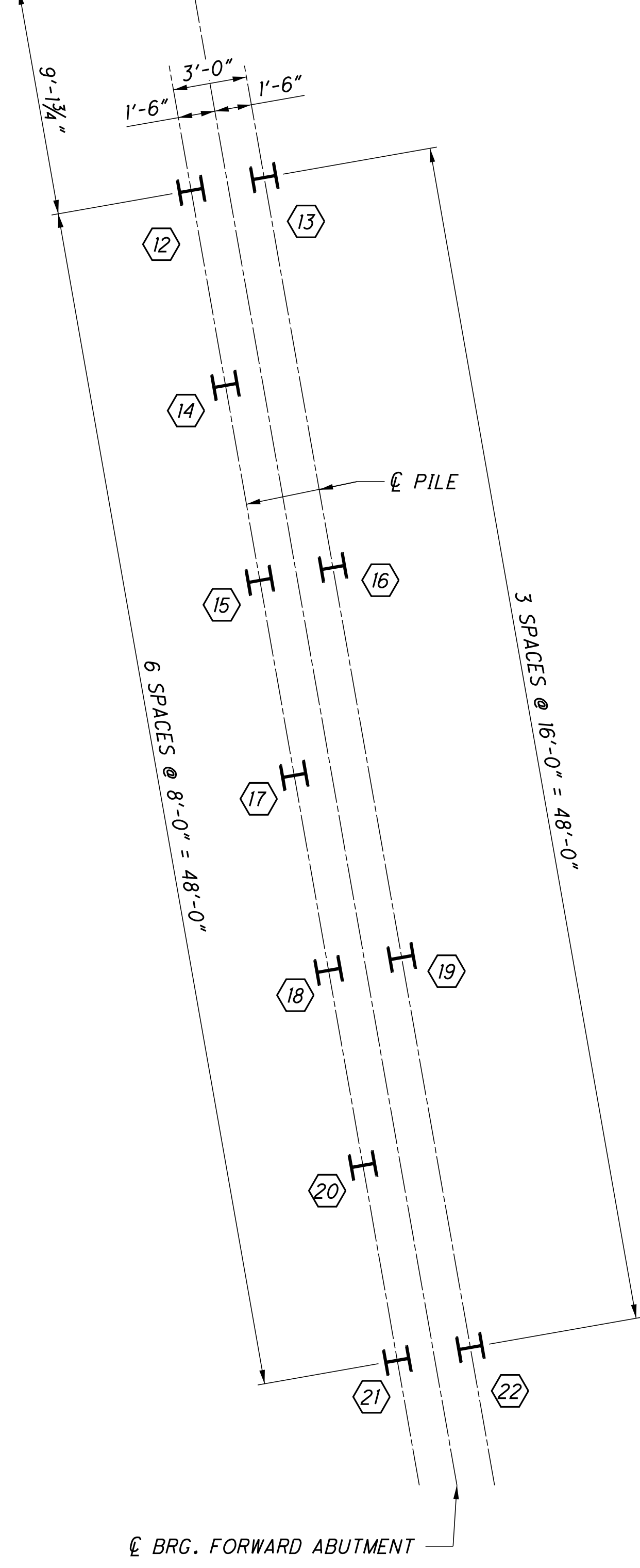
CL SURVEY & CONSTRUCTION S.R. 7

WORK POINT 2  
STA. 205+47.07



CL C.R. 32 (EATON ROAD)

N 38° 53' 11" W



### PLAN

- NOTES:
1. ALL PILES ARE HP10x42.
  2. H (15) DESIGNATES PILE NUMBER AND LOCATION.
  3. ALL PILES TO BE SLEEVED THROUGH PROPOSED MSE WALL SELECT GRANULAR BACKFILL.

U:\173608714\LAW75923\structures\LAW007\_0387C\sheet\007\_75923C50001.dgn 12/15/2024 11:44:59 AM bmcneal

DESIGN AGENCY  
Stanec Consulting Services Inc.  
1900 Lake Shore Drive, Suite 100  
Columbus, Ohio 43204  
(614) 486-4983



DATE 03/2024  
REVIEWED EDA  
STRUCTURE FILE NUMBER 4400259

DRAWN JWS  
CHECKED MRS  
REVISSED

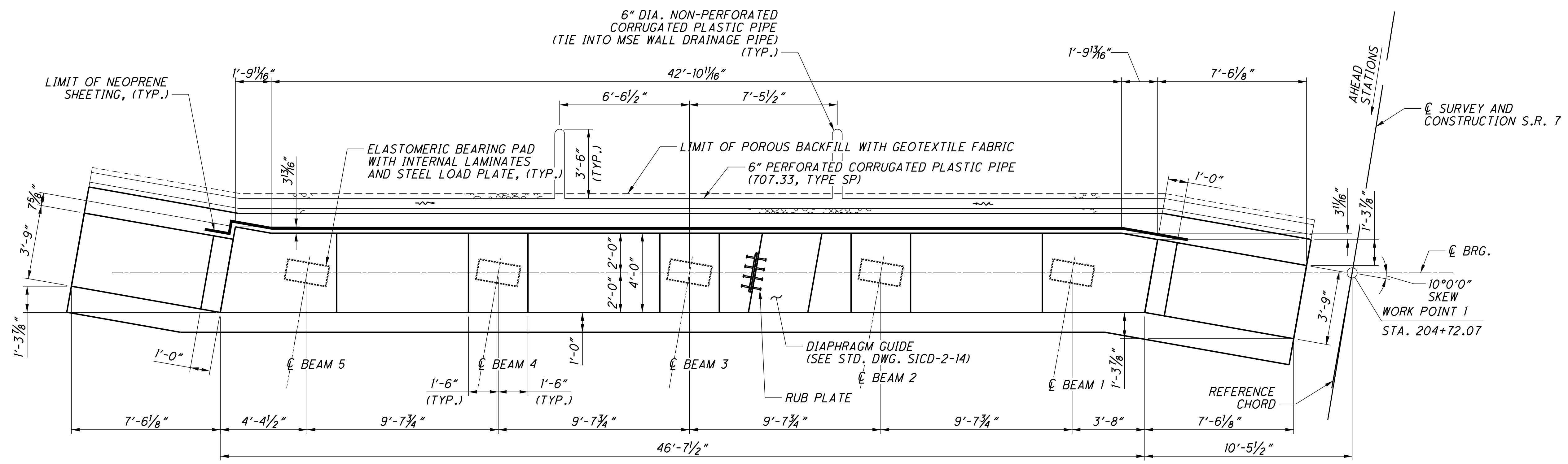
DESIGNED BSM  
FOUNDATION PLAN  
BRIDGE NO. LAW-7-0387  
S.R. 7 OVER C.R. 32 (EATON ROAD)

LAW-7-2.17  
PID No. 75923

5 / 28

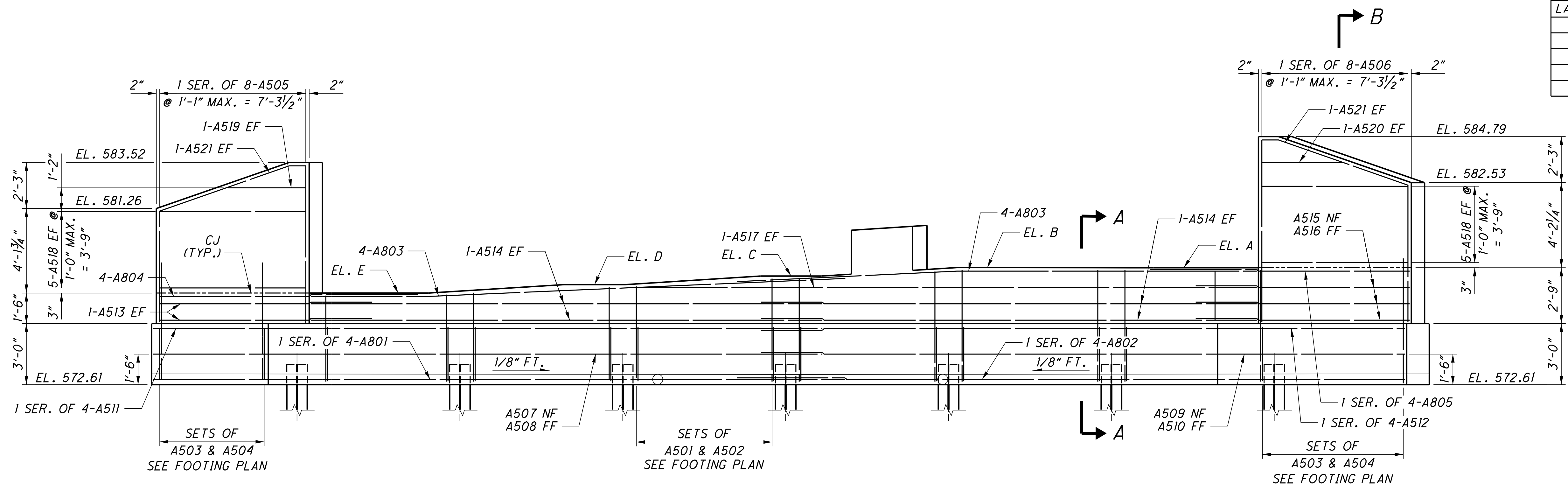
874  
1247

U:\173608714\LAW75923\structures\LAW007\_0387C\sheet5\007\_75923CSR001.dgn 12/5/2024 11:51:02 AM bmcmed



**PLAN**  
(MSE WALL NOT SHOWN)

ABUTMENT ELEVATIONS	
LABEL	ELEVATION
A	578.35
B	578.36
C	577.94
D	577.52
E	577.11



**ELEVATION**

LAP LENGTHS:  
#5 BARS = 3'-0"  
#8 BARS = 5'-4"

- NOTES:**
- FOR PILE LOCATIONS, SEE SHEET [5/28].
  - FOR FOOTING PLAN, SEE SHEET [7/28].
  - FOR SECTIONS A-A AND B-B, SEE SHEET [7/28].

DESIGN AGENCY  
**Stanec Consulting Services Inc.**  
1500 Lake Shore Drive, Suite 100  
Columbus, Ohio 43204  
(614) 486-4983



DATE  
03/2024

REVIEWED  
EDA

STRUCTURE FILE NUMBER  
4400259

DRAWN  
JWS

CHECKED  
MRS

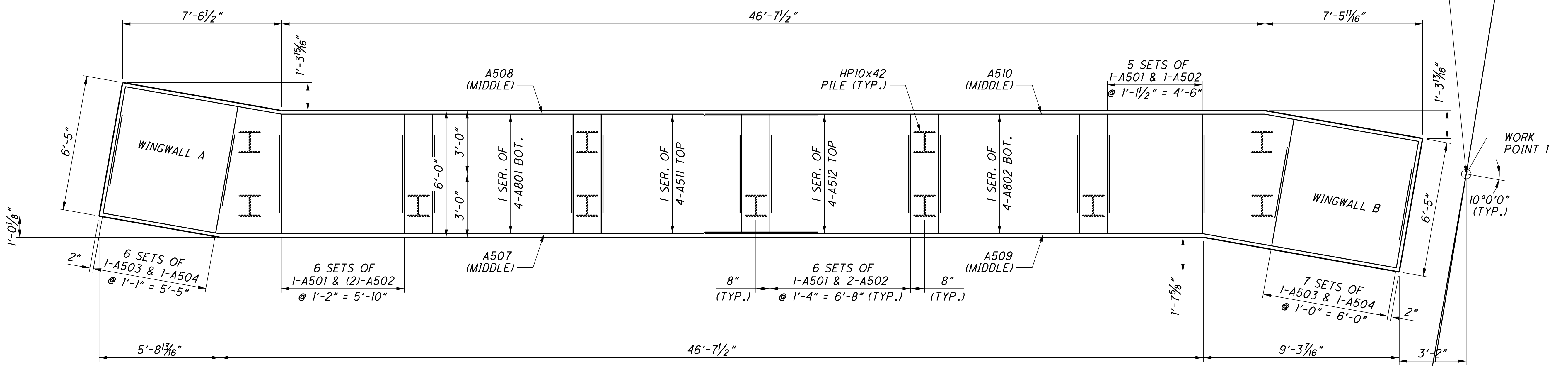
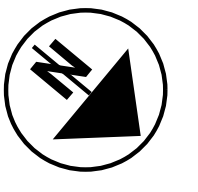
DESIGNED  
BSM

**REAR ABUTMENT**  
BRIDGE NO. LAW-7-0387  
S.R. 7 OVER C.R. 32 (EATON ROAD)

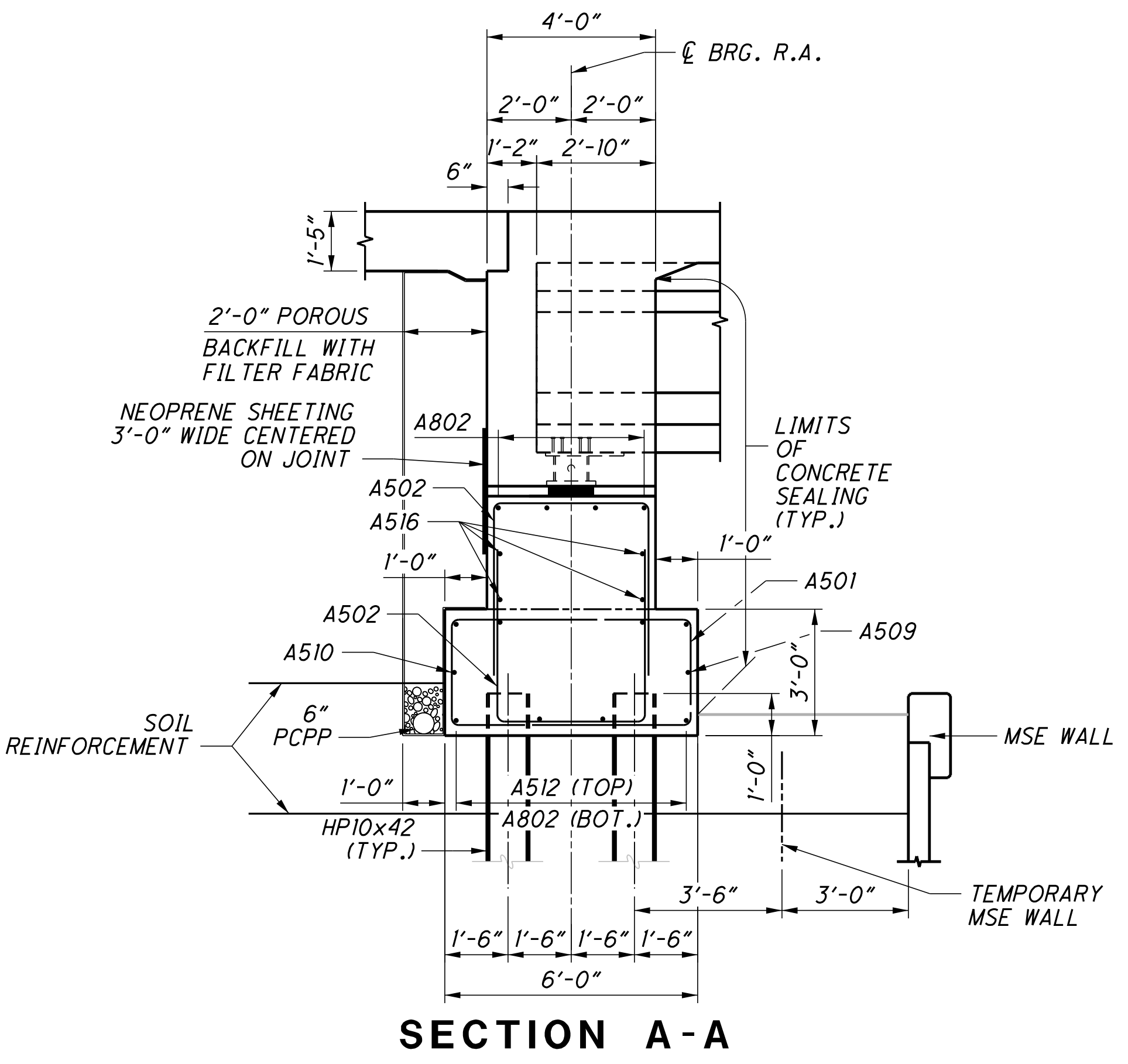
**LAW-7-2.17**  
PID No. 75923

CL SURVEY & CONSTR. S.R. 7

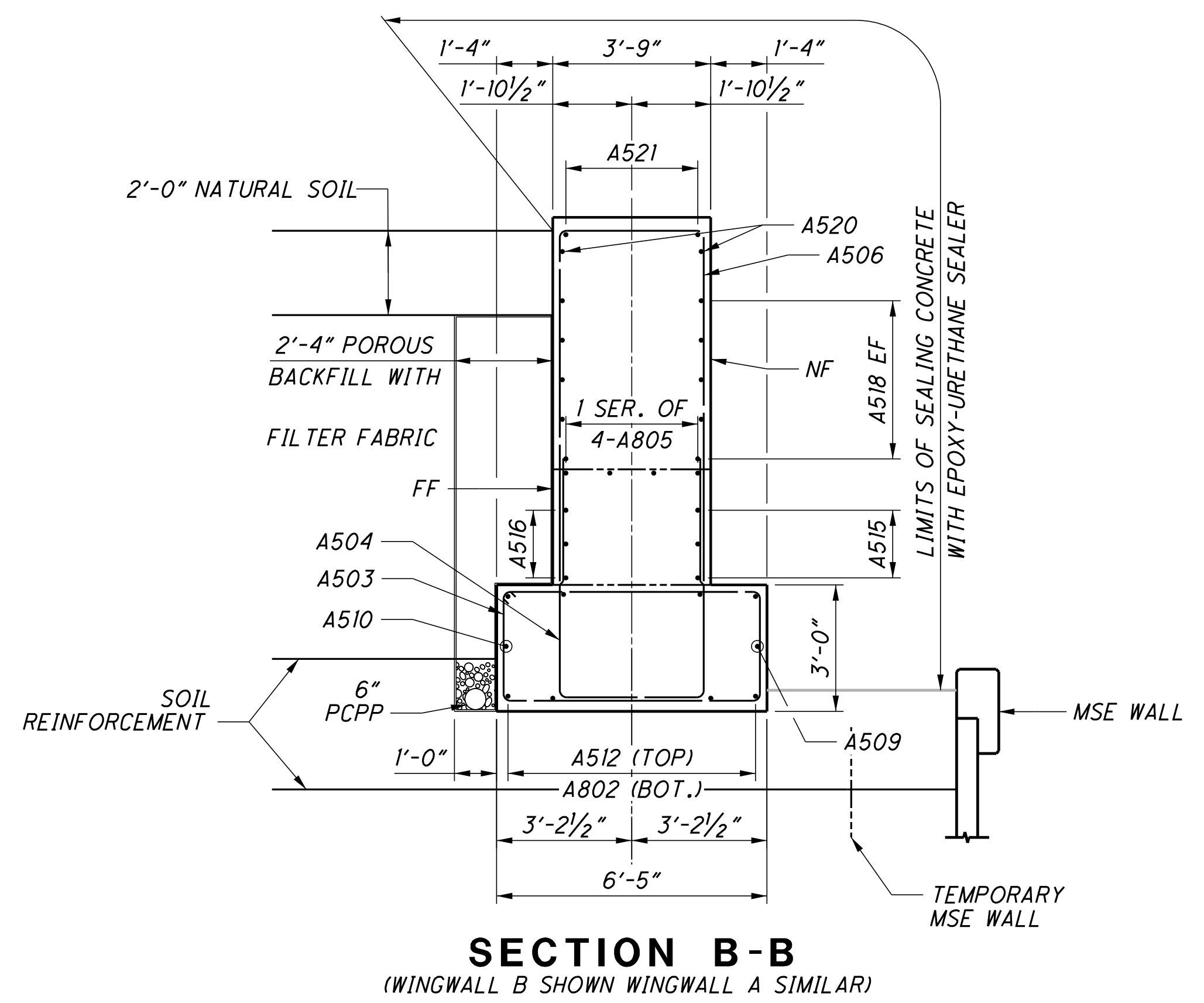
CL BRG. R.A. STA. 204+72.07



PLAN



SECTION A-A



SECTION B-B  
(WINGWALL B SHOWN WINGWALL A SIMILAR)

NOTE:  
 1. FOR PILE LOCATIONS, SEE SHEET 5/28.  
 LAP LENGTHS:  
 #5 BARS = 3'-0"  
 #8 BARS = 5'-4"

U:\173608714\LA075923\structures\LA007\_0387C\sheet5\007\_75923CSR002.dgn 12/5/2024 11:51:04 AM bmcneel

DESIGN AGENCY  
 Stanlec Consulting Services Inc.  
 1500 Lake Shore Drive, Suite 100  
 Columbus, Ohio 43204  
 (614) 486-1885



DATE 03/2024  
 REVIEWED EDA  
 STRUCTURE FILE NUMBER 4400259

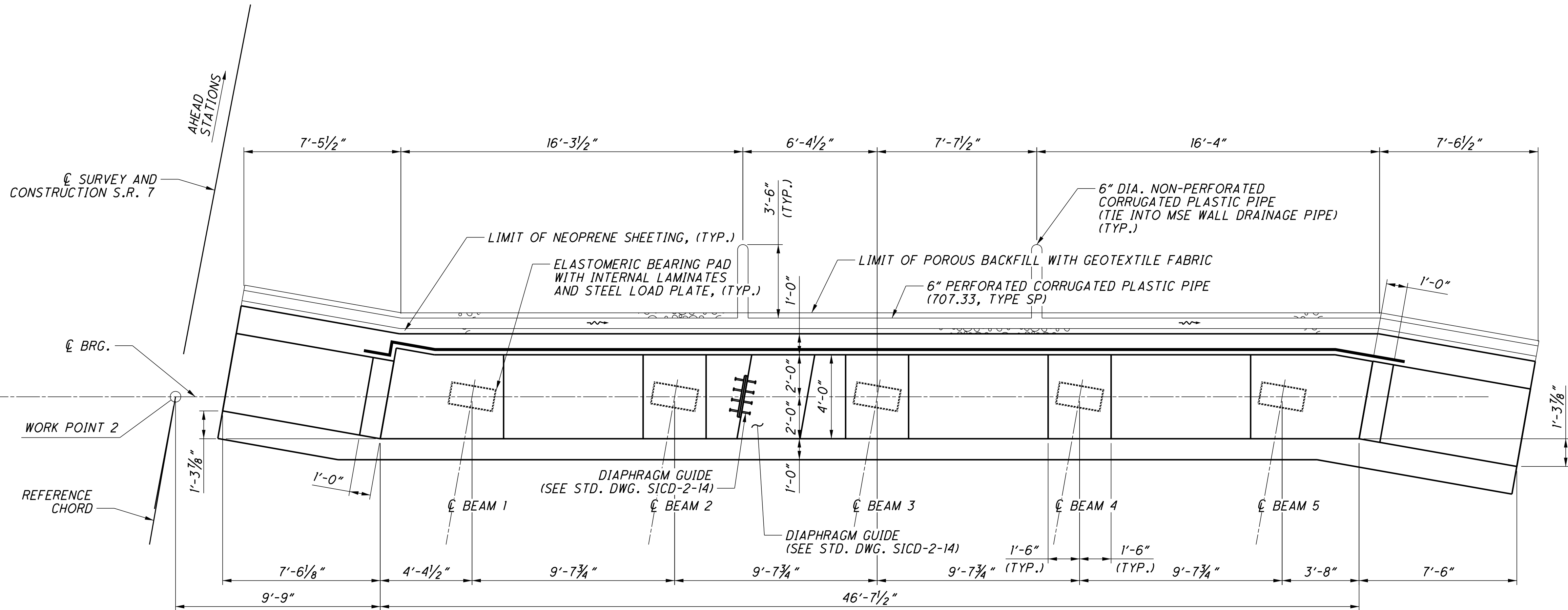
DRAWN JWS  
 CHECKED MRS

REAR ABUTMENT AND MISCELLANEOUS DETAILS  
 BRIDGE NO. LAW-7-0387  
 S.R. 7 OVER C.R. 32 (EATON ROAD)

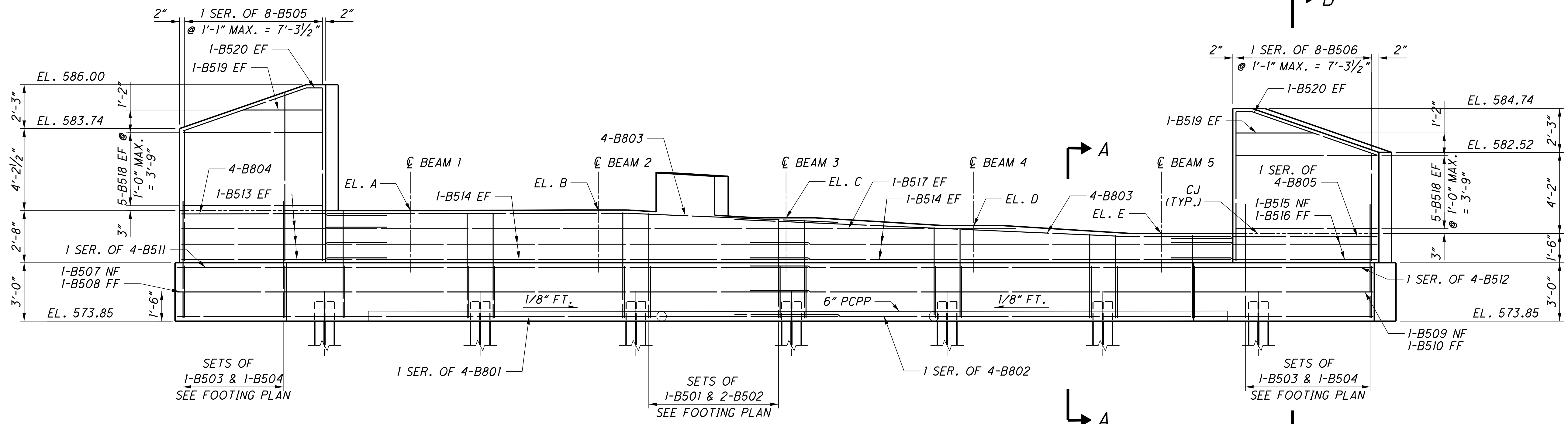
LAW-7-2.17  
 PID No. 75923

7/28

876  
 1247



ABUTMENT ELEVATIONS	
LABEL	ELEVATION
A	579.51
B	579.54
C	579.14
D	578.74
E	578.33



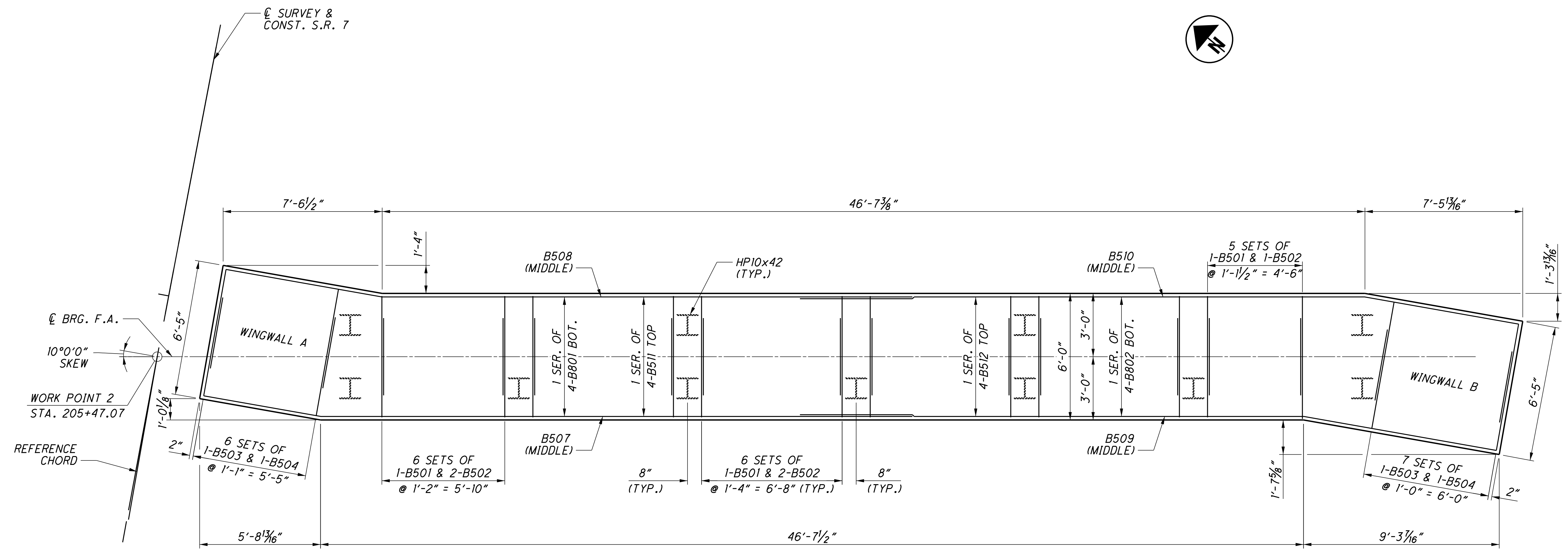
LAP LENGTHS:  
 #5 BARS = 3'-0"  
 #8 BARS = 5'-4"

- NOTES:
- FOR PILE LOCATIONS, SEE SHEET 5/28.
  - FOR FOOTING PLAN, SEE SHEET 9/28.
  - FOR SECTIONS A-A AND B-B, SEE SHEET 9/28.

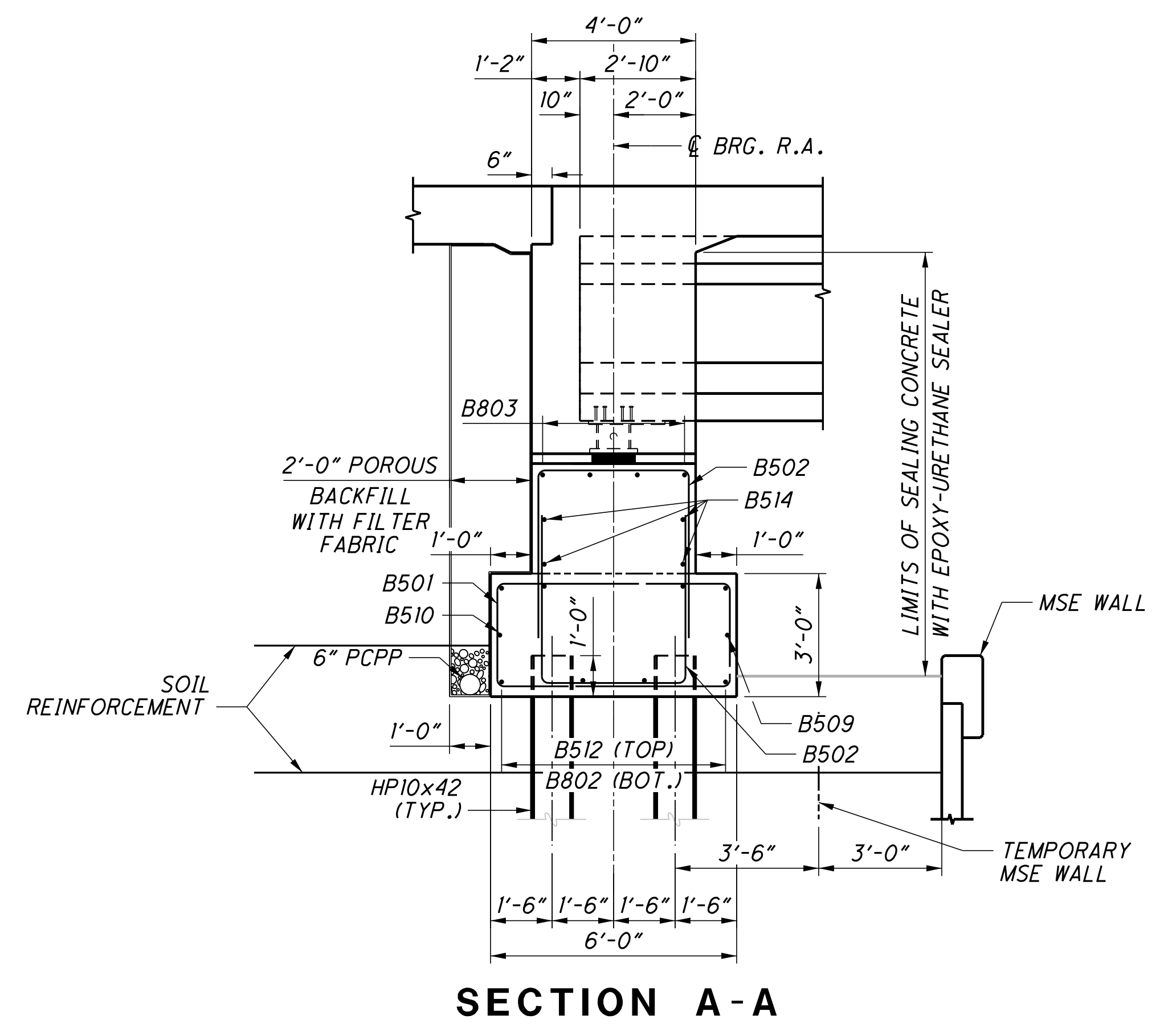
U:\173608714\LAW75923\structures\LAW007\_0387C\sheets\007\_75923CSF001.dgn 12/6/2024 8:59:57 AM bmcneal



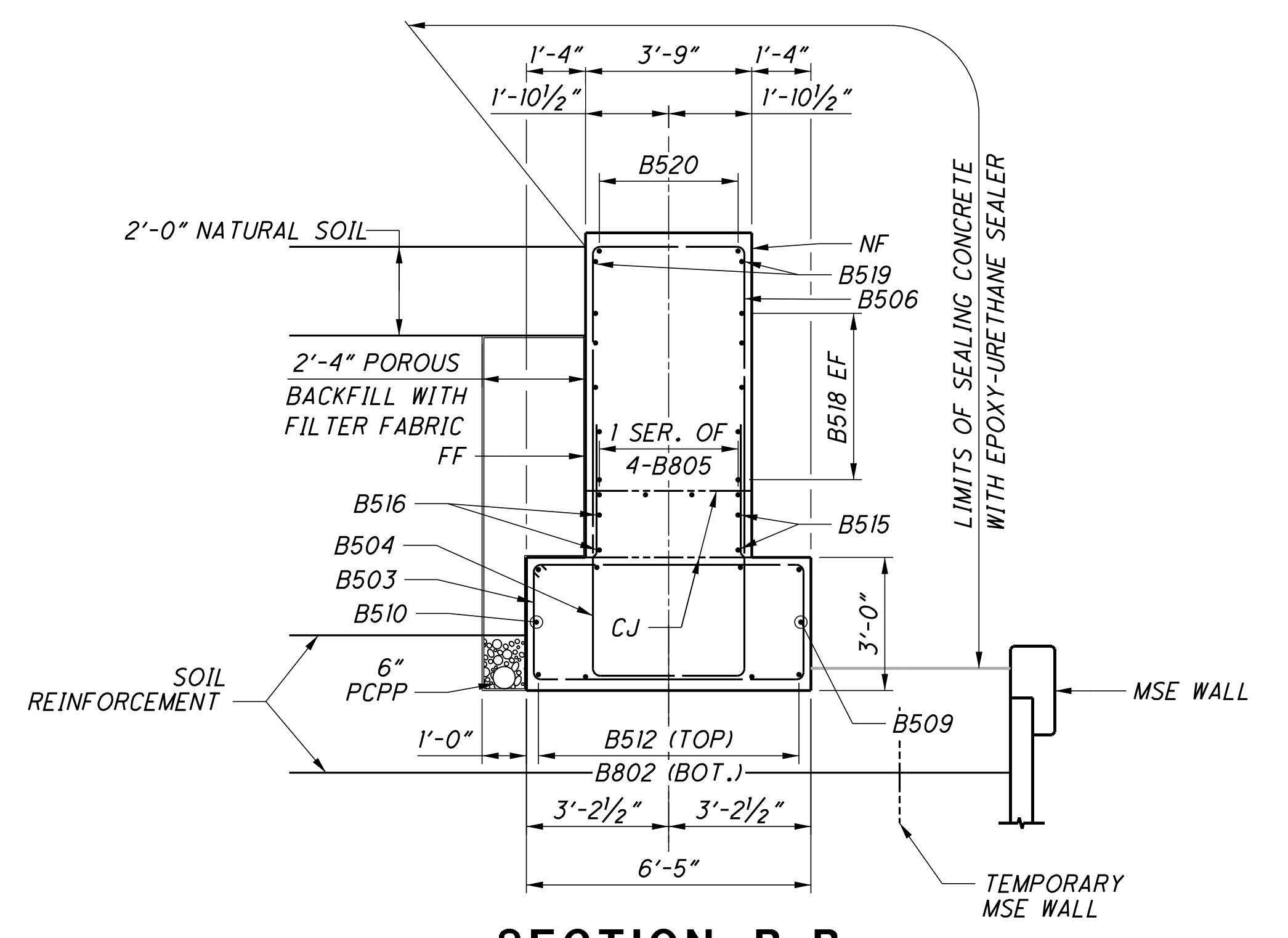
U:\IT3608714\LAW75923\structures\LAW007\_0387C\sheet5\007\_75923CSF002.dgn 12/5/2024 11:51:09 AM bmcneel



**PLAN**



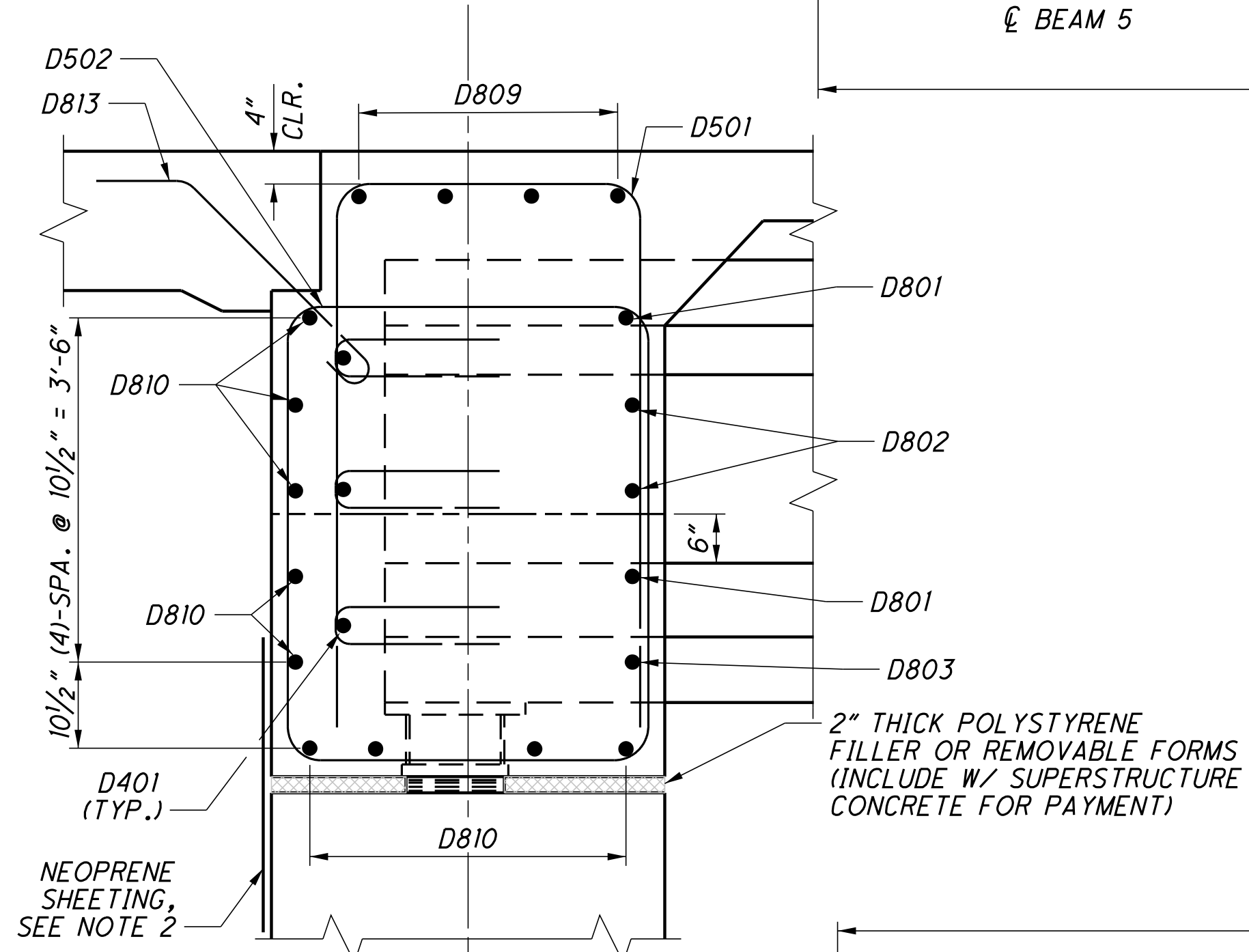
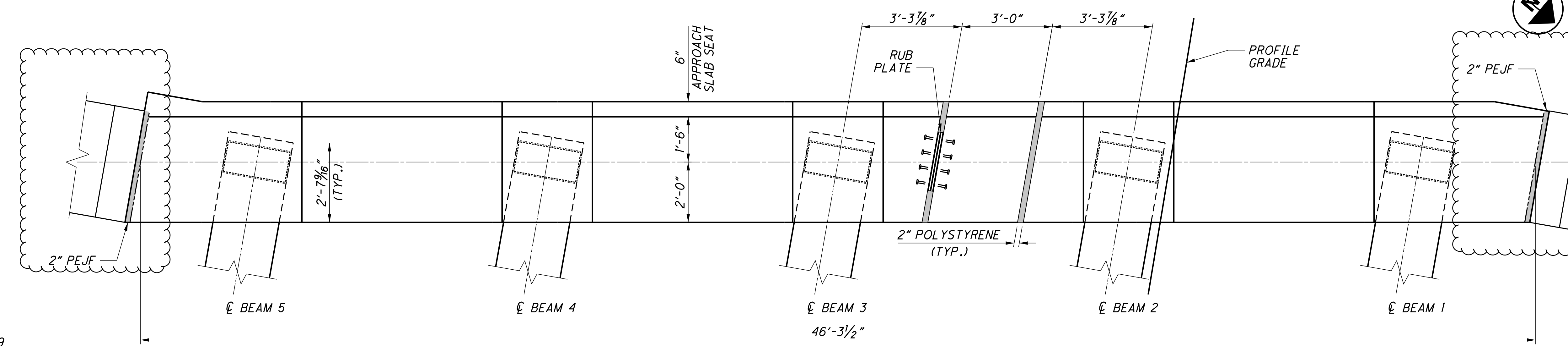
**SECTION A-A**



**SECTION B-B**  
(WINGWALL B SHOWN WINGWALL A SIMILAR)

**NOTE:**  
1. FOR PILE LOCATIONS, SEE SHEET 5/28.  
LAP LENGTHS:  
#5 BARS = 3'-0"  
#8 BARS = 5'-4"

<p>DESIGNED BY BSM</p> <p>CHECKED BY MRS</p>	<p>DRAWN BY JWS</p>	<p>REVIEWED BY EDA</p>	<p>DATE 03/2024</p>	<p>DESIGN AGENCY Stanlec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-1881</p>
	<p>BRIDGE NO. LAW-7-0387</p>	<p>STRUCTURE FILE NUMBER 4400259</p>	<p>REVIEWED FILE NUMBER 4400259</p>	<p>DESIGN AGENCY Stanlec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-1881</p>
	<p>S.R. 7 OVER C.R. 32 (EATON ROAD)</p>	<p>FORWARD ABUTMENT AND MISCELLANEOUS DETAILS</p>	<p>BRIDGE NO. LAW-7-0387</p>	<p>DESIGN AGENCY Stanlec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-1881</p>
	<p>PID No. 75923</p>	<p>LAW-7-2.17</p>	<p>BRIDGE NO. LAW-7-0387</p>	<p>DESIGN AGENCY Stanlec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-1881</p>

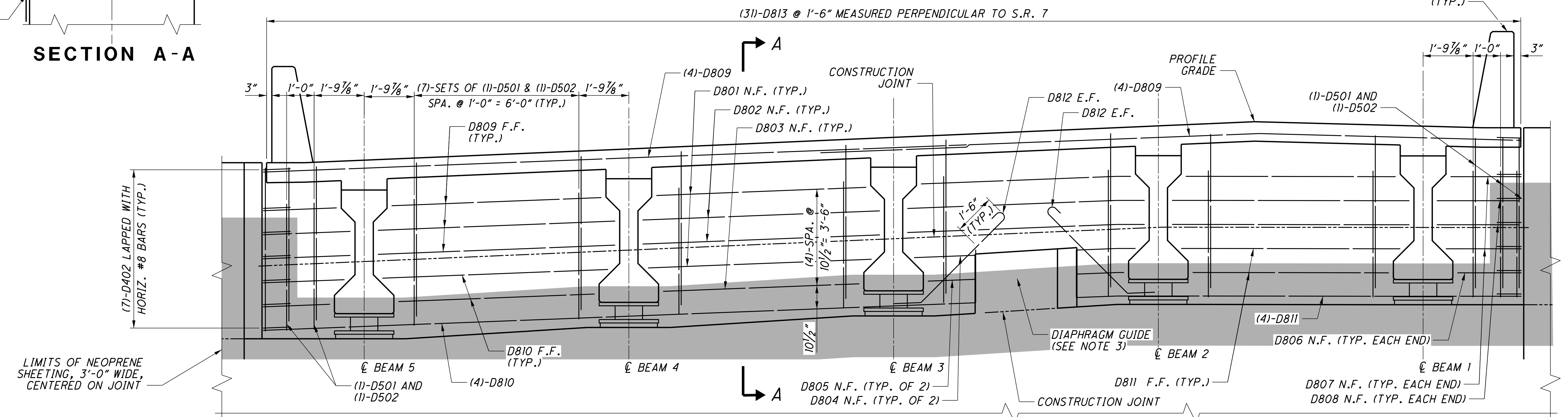


**NOTES:**

1. ALL ABUTMENT DIAPHRAGM CONCRETE SHALL BE ITEM 511 - CLASS QC2 CONCRETE.
2. PLACE NEOPRENE SHEET, 3'-0" WIDE, CENTERED ON HORIZONTAL AND VERTICAL JOINTS AT WINGWALLS AND DIAPHRAGM GUIDE. FOR VERTICAL JOINTS AT WINGWALLS, PLACE NEOPRENE SHEETING CENTERED ON 2" PEJF AND EXTENDING FROM BEAM SET TO THE TOP OF THE WINGWALL.
3. SEE STANDARD DRAWING SICD-2-14 FOR DIAPHRAGM GUIDE DETAILS AND PAYMENT.
4. PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS AFTER THE DECK PLACEMENT IN THE ADJACENT SPAN IS COMPLETE. PROCEDURES THAT PLACE THE ABUTMENT DIAPHRAGM WITH THE DECK CONCRETE MAY BE APPROVED BY THE ENGINEER IF THE PLACEMENT SUBMITTAL CAN ASSURE THAT THE DECK CONCRETE IN THE ADJACENT SPAN WILL BE PLACED BEFORE CONCRETE IN THE DIAPHRAGM HAS REACHED ITS INITIAL SET.

LOCATE THE DECK CONSTRUCTION JOINT PARALLEL TO THE CENTERLINE OF THE ABUTMENT OFFSET 1-FT FROM THE FACE OF THE DIAPHRAGM TOWARD THE SPAN.

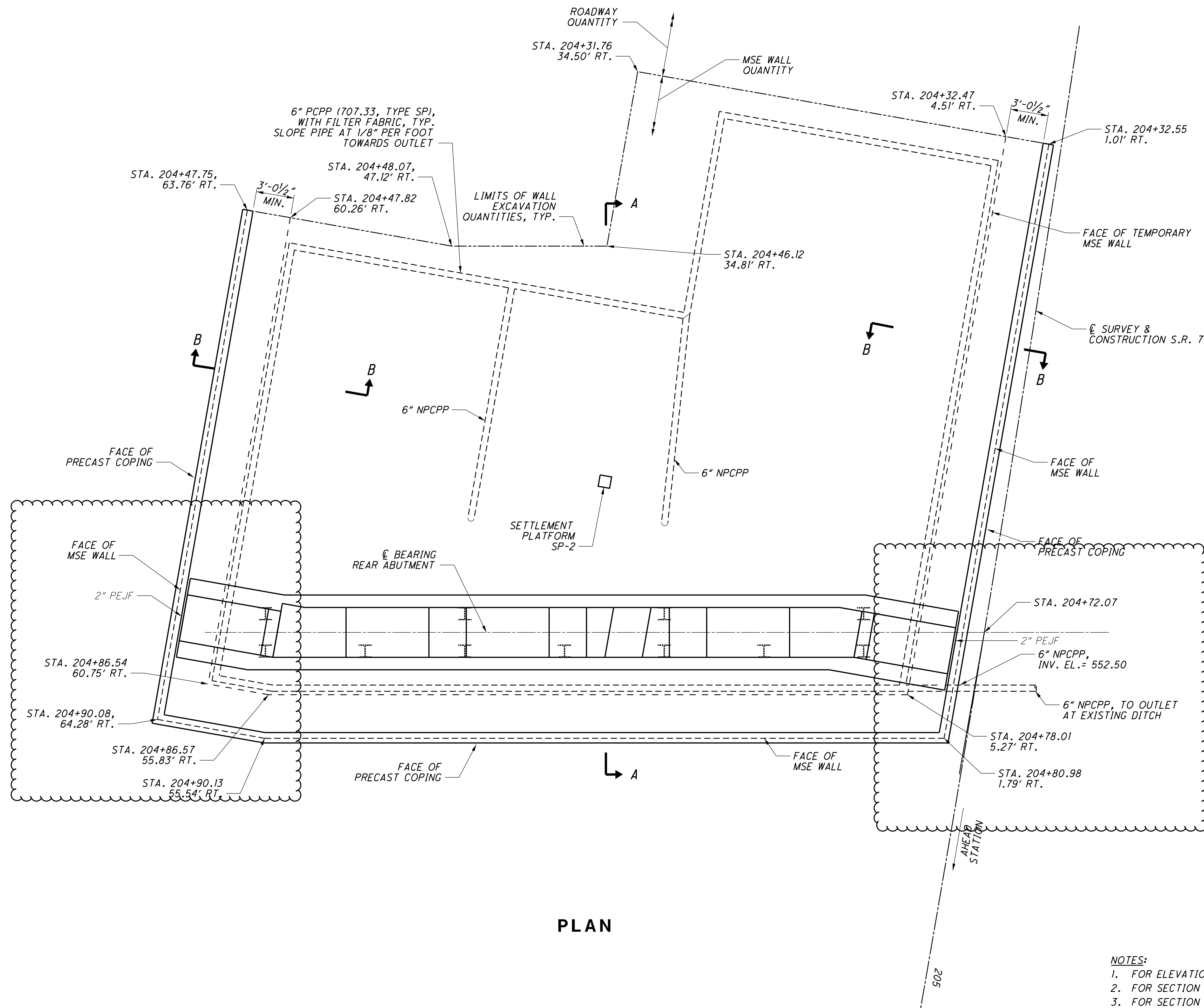
FOR PARAPET DETAILS, SEE SHEET 20/28 (TYP.)



U:\173608714\LAW75923\structures\LAW007\_0387C\sheet\007\_75923C55001.dgn 12/6/2024 9:00:29 AM bmcneal

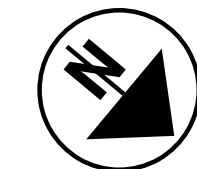


U:\173608714\LA\75923\structures\LA007\_0387C\sheet\007\_75923CWP001.dgn 12/15/2024 11:15:41 AM bmcneal



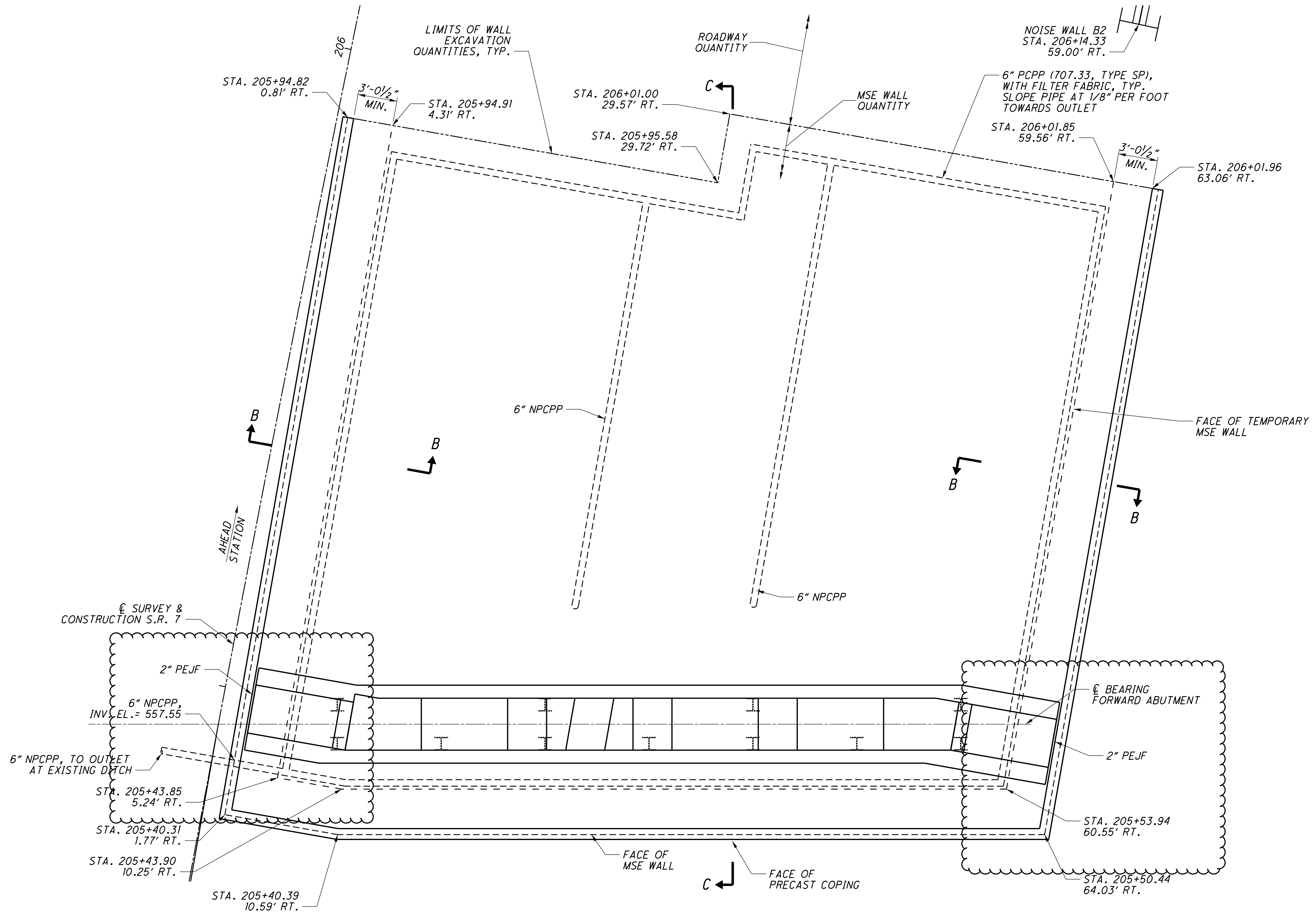
PLAN

- NOTES:
1. FOR ELEVATIONS, SEE SHEET 26/28.
  2. FOR SECTION A-A, SEE SHEET 27/28.
  3. FOR SECTION B-B, SEE SHEET 28/28.



DESIGN AGENCY	Stanlec Consulting Services Inc. 1900 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4983
DATE	03/2024
REVIEWED	EDA
DRAWN	JWS
DESIGNED	BSM
CHECKED	MRS
STRUCTURE FILE NUMBER	4400259
WALL 1 PLAN	
BRIDGE NO. LAW-7-0387	
S.R. 7 OVER C.R. 32 (EATON ROAD)	
LAW-7-2.17	PID No. 75923
24/28	893 1247

U:\173608714\LAW75923\structures\LAW007\_0387C\sheet's\007\_75923CWP002.dgn 12/5/2024 11:54:44 AM bmcneil



PLAN

- NOTES:
1. FOR ELEVATIONS, SEE SHEET 26/28.
  2. FOR SECTION B-B, SEE SHEET 28/28.
  3. FOR SECTION C-C, SEE SHEET 27/28.

DESIGNED		DRAWN		REVIEWED		DATE	
BSM		JWS		EDA		03/2024	
CHECKED		REVISED		STRUCTURE FILE NUMBER		4400259	
MRS							

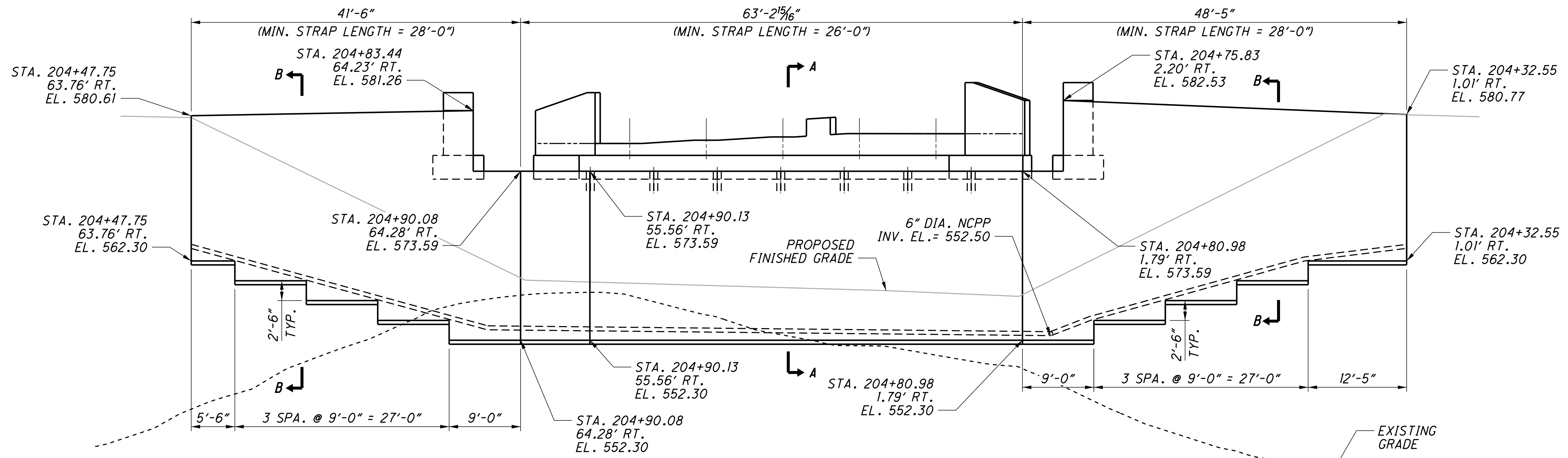
DESIGN AGENCY  
**Stanec Consulting Services Inc.**  
 1500 Lake Shore Drive, Suite 100  
 Columbus, Ohio 43204  
 (614) 486-4983

WALL 2 PLAN  
 BRIDGE NO. LAW-7-0387  
 S.R. 7 OVER C.R. 32 (EATON ROAD)

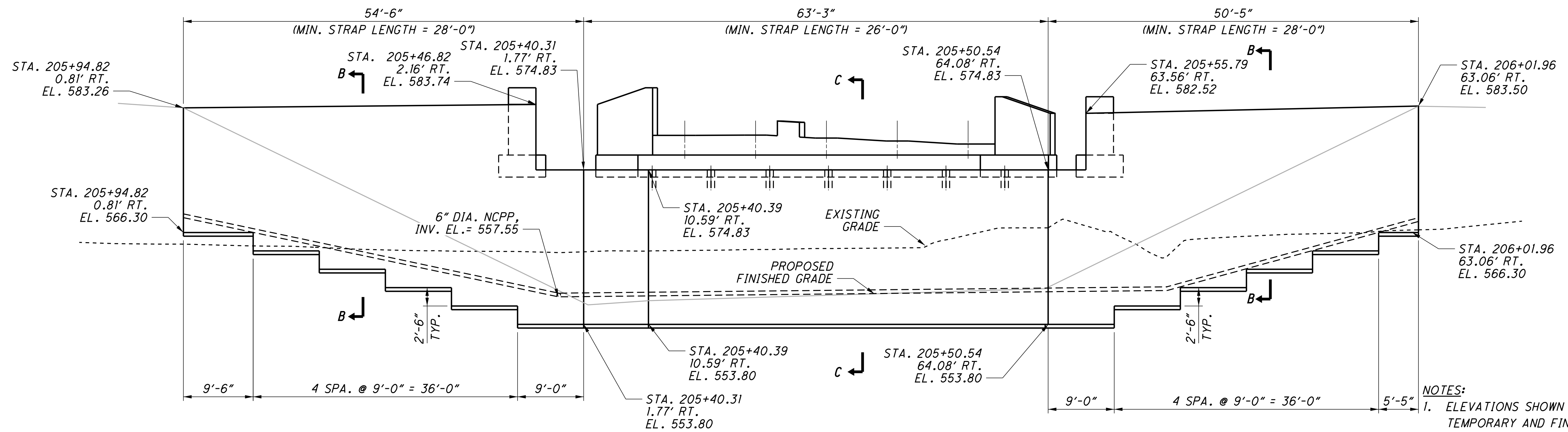
LAW-7-2.17  
 PID No. 75923

25/28

894  
 1247



**WALL 1 ELEVATION (DEVELOPED)**



**WALL 2 ELEVATION (DEVELOPED)**

- NOTES:**
- ELEVATIONS SHOWN ARE FOR TEMPORARY AND FINAL MSE WALL.
  - FOR SECTION A-A, SEE SHEET 27/28.
  - FOR SECTION B-B, SEE SHEET 28/28.
  - FOR SECTION C-C, SEE SHEET 27/28.
  - STRAP LENGTHS SHOWN ARE MEASURED FROM THE FACE OF TEMPORARY MSE WALL.
  - ALL METAL COMPONENTS OF TEMPORARY MSE WALL SHALL BE GALVANIZED PER SS867.03.A

U:\IT3608714\LAW75923\structures\LAW007\_0387C\sheet\007\_75923CWD001.dgn 12/15/2024 11:15:46 AM bmcneal

DESIGN AGENCY: Staniec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100, Columbus, Ohio 43204 (614) 486-4988

DATE: 06/2021

REVIEWED: EDA

DRAWN: JWS

DESIGNED: BSM

BRIDGE NO.: LAW-7-0387

S.R. 7 OVER C.R. 32 (EATON ROAD)

STRUCTURE FILE NUMBER: 4400259

REVISER: MRS

WALL 1 AND 2 ELEVATION

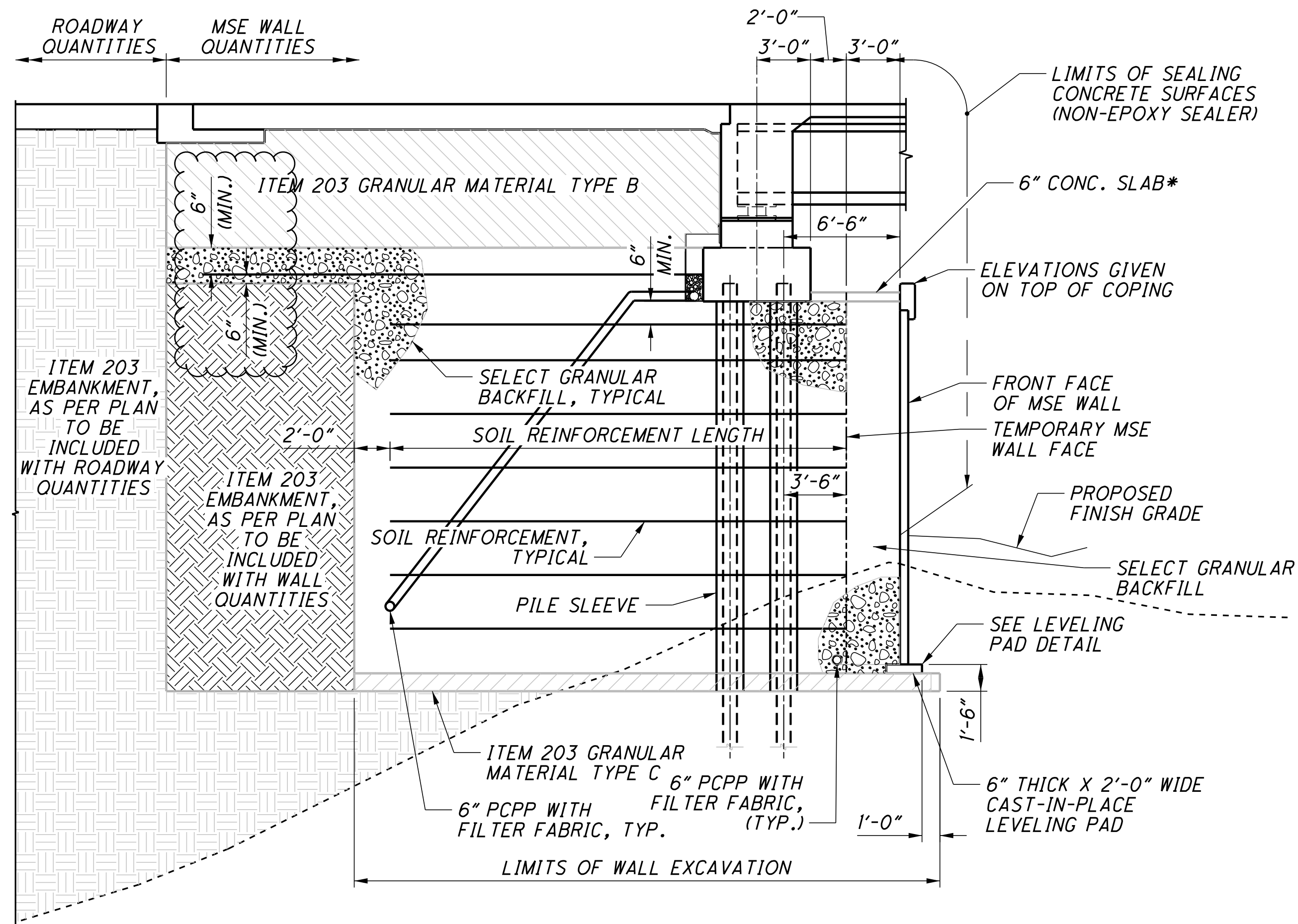
LAW-7-2.17

PID No. 75923

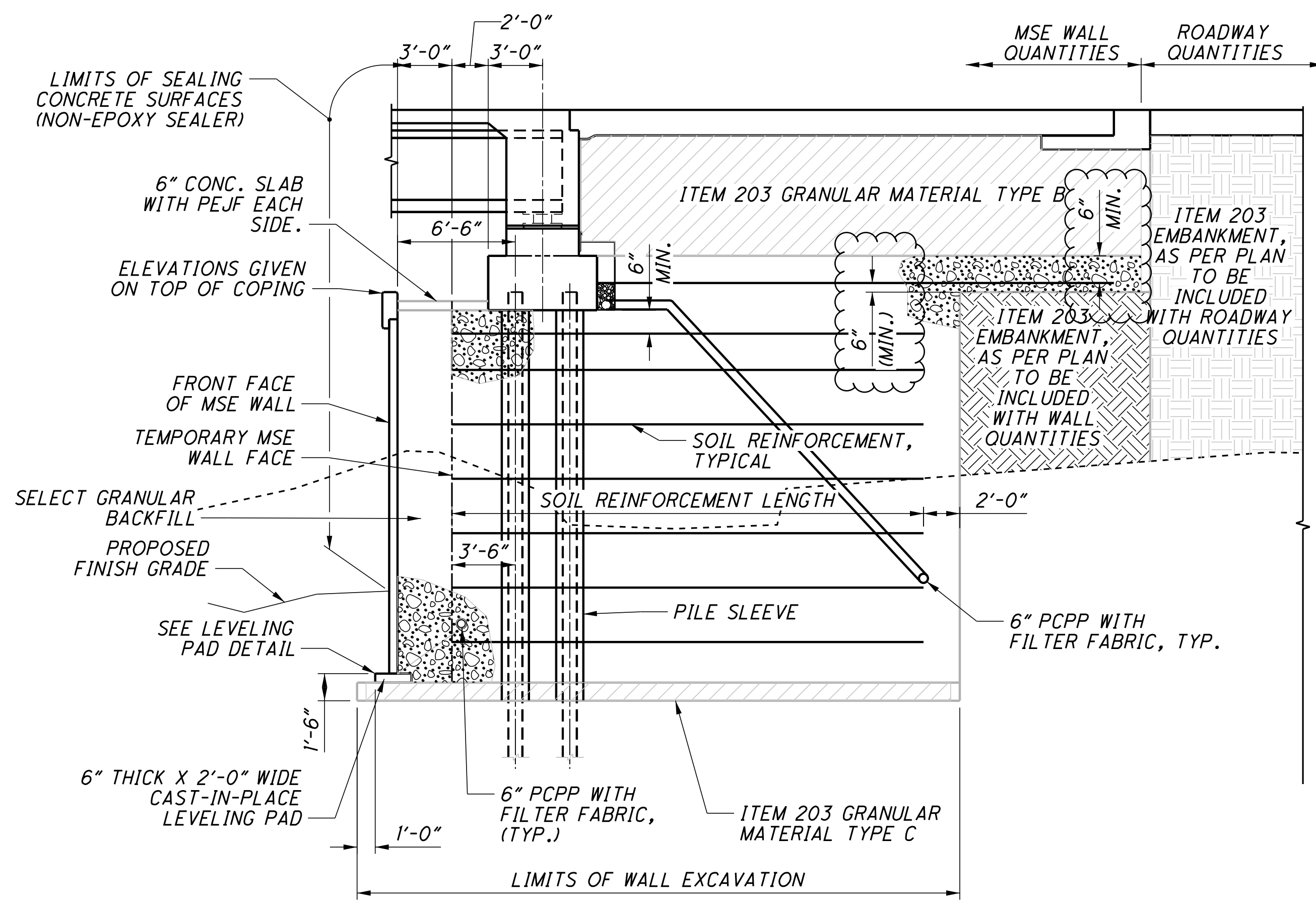
26/28

895

1247

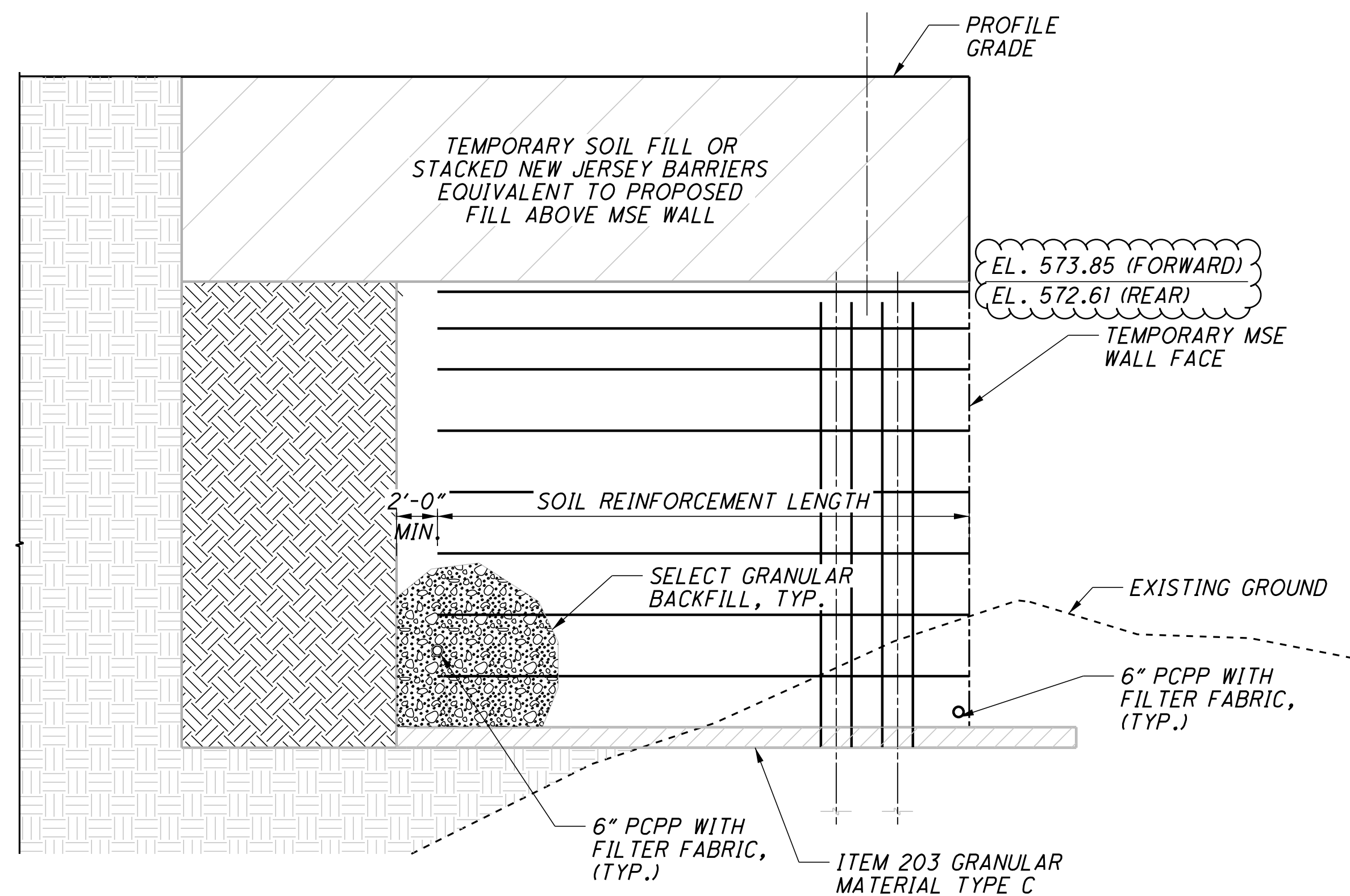


**SECTION A-A**  
(WALL 1)

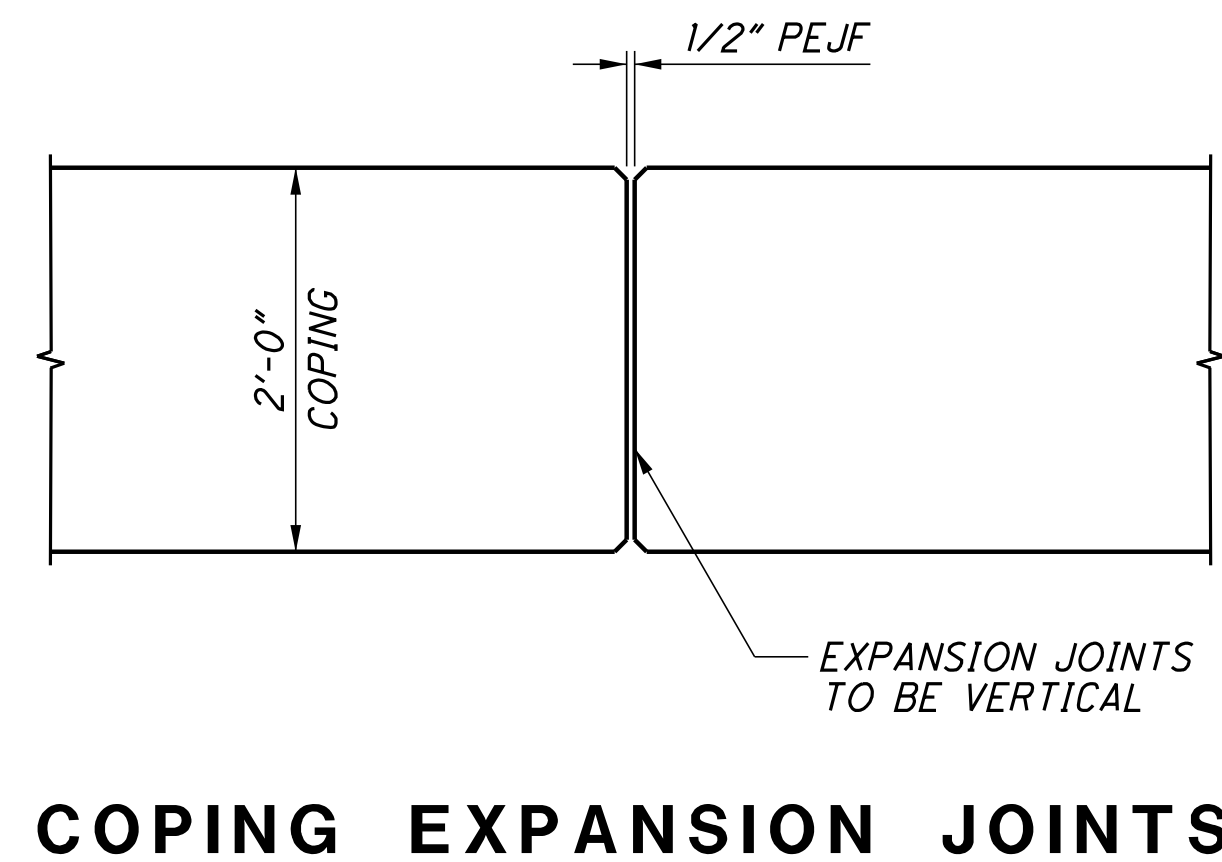


**SECTION C-C**  
(WALL 2)

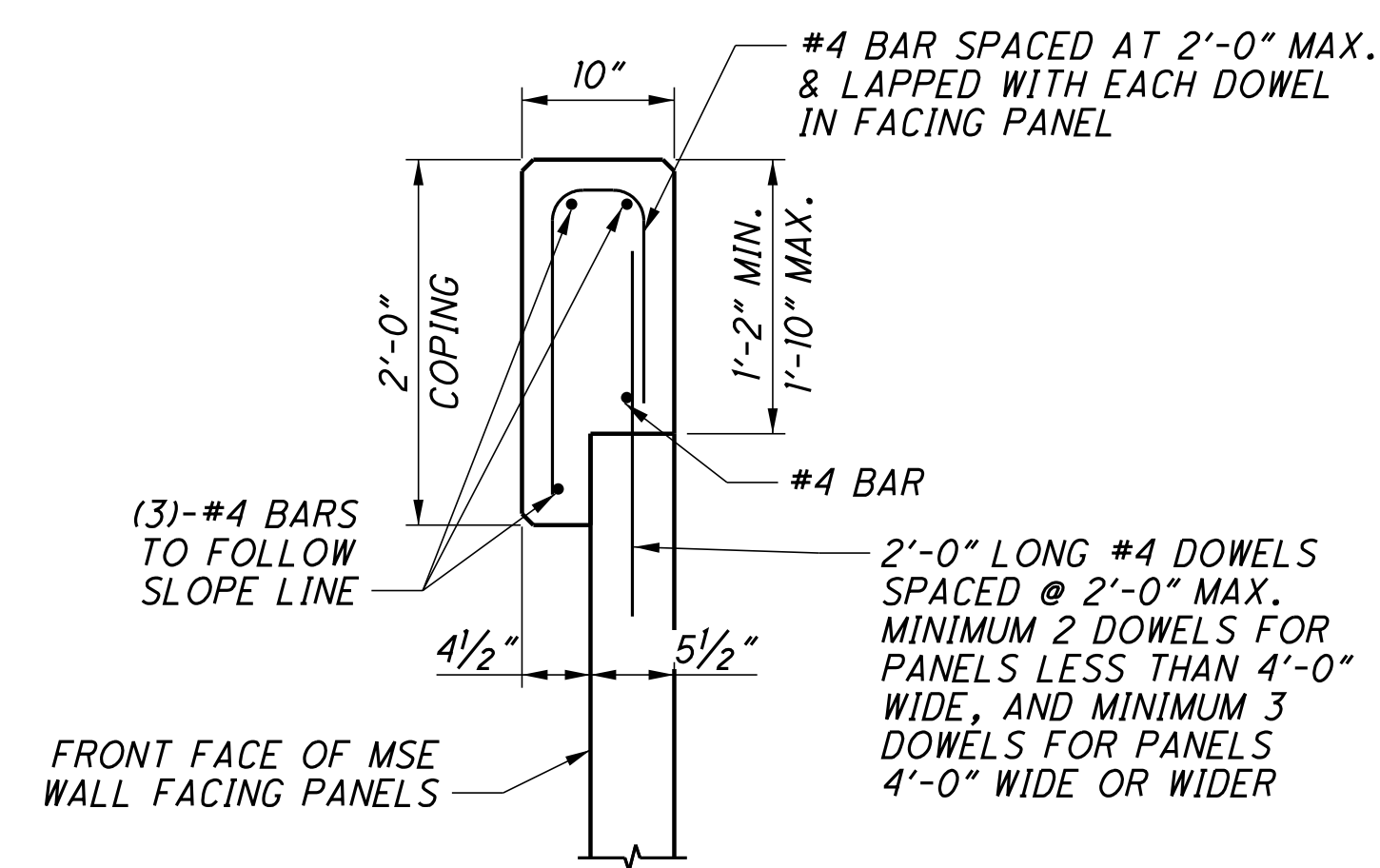
\* PAID UNDER ITEM 601 PAVED GUTTER, TYPE 1-2, AS PER PLAN.



**TEMPORARY MSE WALL DETAIL**



**COPING EXPANSION JOINTS**



**MSE WALL COPING**

(ALL REINFORCING STEEL TO BE EPOXY COATED)

**NOTE:**  
ALL METAL COMPONENTS OF THE TEMPORARY MSE WALL SHALL BE GALVANIZED ACCORDING TO SS867.03.A.

U:\173608714\LA75923\structures\LA007\_0387C\sheet\007\_75923CWD002.dgn 12/6/2024 9:30:13 AM bmcnd

DESIGN AGENCY <b>Stanec Consulting Services Inc.</b> 1900 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-1981	DATE	03/2024
	REVIEWED	EDA
	DRAWN	JWS
	DESIGNED	BSM
STRUCTURE FILE NUMBER	4400259	
WALL SECTIONS	BRIDGE NO. LAW-7-0387	S.R. 7 OVER C.R. 32 (EATON ROAD)
LAW-7-2.17	PID No. 75923	
27/28		
896	1247	

ESTIMATED QUANTITIES (PARTICIPATION CODE 02/NHS/08)

CALCULATED BY: EDA 3/7/2018  
CHECKED BY: ALH 3/7/2018

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	GEN.	SEE SHEET
203	10000	3124	CY	EXCAVATION	3124	
503	21100	949	CY	UNCLASSIFIED EXCAVATION	949	
509	10000	51501	LB	EPOXY COATED REINFORCING STEEL	51501	
511	46010	173	CY	CLASS OC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	173	
511	46510	219	CY	CLASS OC1 CONCRETE, FOOTING	219	
512	10100	180	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	180	
518	21200	74	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	74	
<del>518</del>	<del>40000</del>	<del>74</del>	<del>FT</del>	<del>6" PERFORATED CORRUGATED PLASTIC PIPE</del>	<del>74</del>	
518	40010	30	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	30	
601	11001	108	SY	RIPRAP, TYPE D, AS PER PLAN	108	2/9
601	32104	321	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC	321	
601	34200	782	CY	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER	782	
611	97401	452	FT	CONDUIT, MISC.: 22" DIA., TYPE A, 707.03, AS PER PLAN	452	

GENERAL NOTES

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2014, INCLUDING 2015 AND 2016 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL, 2007.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.0 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL, 2007.

DESIGN DATA:

CONCRETE CLASS OC1 - COMPRESSIVE STRENGTH 4.0 K.S.I.  
(SUBSTRUCTURE)

REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 K.S.I.

DESIGN LOADING:

HL-93  
FUTURE WEARING SURFACE (FWS) OF 0.060 KIPS/FT<sup>2</sup>

FOUNDATION BEARING RESISTANCE:

HEADWALL FOOTINGS, AS DESIGNED, PRODUCE A MAXIMUM SERVICE LOAD PRESSURE OF 3.021 KIPS PER SQUARE FOOT AND A MAXIMUM STRENGTH LOAD PRESSURE OF 4.256 KIPS PER SQUARE FOOT. THE BEARING RESISTANCE IS 3.025 KIPS PER SQUARE FOOT FOR SERVICE AND 5.5 KIPS PER SQUARE FOOT FOR STRENGTH.

ITEM 511 CLASS OC1 CONC. MISC. PAVED INLET:

THE ITEM INCLUDES ALL MATERIAL, LABOR, AND ACCESSORIES NECESSARY TO FURNISH AND PLACE THE PAVED CONCRETE INLET AND CUTOFF WALLS.

ITEM 601 RIPRAP, TYPE D, AS PER PLAN:

CONSTRUCT A RIPRAP CUTOFF WALL AS DETAILED ON SHEET [5/9].

ITEM 611 22'-0" CONDUIT, TYPE A:

WORK SHALL CONFORM TO ITEM 611 PIPE CULVERTS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES. STEEL STRUCTURAL PLATE (707.03) WITH MINIMUM 8 GA. THICKNESS PER ODOT DURABILITY DESIGN SPREAD SHEET, THE PAVED INVERT SPECIFIED BY THE DURABILITY DESIGN SPREADSHEET SHALL BE OMITTED AS THE CULVERT INVERT IS FILLED WITH TYPE C ROCK CHANNEL PROTECTION.

WATERPROOFING OF THE CULVERT AND THE ANCHOR BOLTS FOR ANCHORING BOTH ENDS OF THE METAL PIPE, MEETING ASTM A307 AND GALVANIZED ACCORDING TO ASTM A153, SHALL BE INCLUDED IN THE PRICE BID PER FOOT OF ITEM 611 22'-0" CONDUIT, TYPE A, 707.03, AS PER PLAN.

ABBREVIATIONS:

- APPROX. - APPROXIMATELY
- ABUT. - ABUTMENTS
- BF - BACK FACE
- B/ - BOTTOM OF
- BRG. - BEARINGS
- CL - CENTERLINE
- CJ - CONSTRUCTION JOINT
- CLR. - CLEAR
- CONC. - CONCRETE
- CONST. - CONSTRUCTION
- CONT. - CONTINUED
- DIA. - DIAMETER
- DWG. - DRAWING
- EF - EACH FACE
- EL. - ELEVATION
- EQ. - EQUAL
- EXIST. - EXISTING
- FL - FLOW LINE
- FF - FRONT FACE
- GFRP - GLASS FIBER REINFORCED POLYMER
- H.W. - HIGH WATER
- LT - LEFT
- MAX. - MAXIMUM
- M.C. - MECHANICAL CONNECTOR
- MISC. - MISCELLANEOUS
- NO. - NUMBER
- NPCPP - NON-PERFORATED CORRUGATED PLASTIC PIPE
- OHWM - ORDINARY HIGH WATER MARK
- PCPP - PERFORATED CORRUGATED PLASTIC PIPE
- RCP - ROCK CHANNEL PROTECTION
- RT. - RIGHT
- SPA. - SPACE
- SP - SETTLEMENT PLATFORM
- STA. - STATION
- STD. - STANDARD
- STR - STRAIGHT
- T/ - TOP OF
- T&B - TOP AND BOTTOM
- TYP. - TYPICAL
- U.N.O. - UNLESS NOTED OTHERWISE
- YR. - YEAR

U:\173608714\LAN\75923\structures\LA0007\_0510C\sheets\007\_75923GN001.dgn

DESIGN AGENCY  
**Stantec**  
1500 Lake Shore Dr.  
Columbus, OH 43204  
(614) 486-4383

DATE  
2/2024

REVIEWED  
BSM

DRAWN  
JWS

DESIGNED  
EDA

STRUCTURE FILE NUMBER  
4400348

REVISIONS  
REVISED

CHECKED  
MRS

GENERAL NOTES & ESTIMATED QUANTITIES

LAW-7-0510  
S.R. 7 OVER BENT CREEK

LAW-7-2.17  
PID No. 75923

2 / 9

899  
1247



ESTIMATED QUANTITIES

CALCULATED BY: BSM 3/20/18  
CHECKED BY: EER 3/28/18

02/NHS/08	ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	R. ABUT.	F. ABUT.	PIERS	SUPER.	GEN.	SEE SHEET
4	SPEC	20365000	4	EACH	SETTLEMENT PLATFORM					4	3/24
LUMP	503	11100	LUMP	LS	COFFERDAMS AND EXCAVATION BRACING					LUMP	
LUMP	503	21300	LUMP	LS	UNCLASSIFIED EXCAVATION					LUMP	
LUMP	505	11100	LUMP	LS	PILE DRIVING EQUIPMENT MOBILIZATION					LUMP	
2,690	507	00200	2,690	FT	STEEL PILES HP12X53, FURNISHED	700	550	1,440			
2,350	507	00250	2,350	FT	STEEL PILES HP12X53, DRIVEN	650	500	1,200			
197,284	509	10001	197,284	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	10,754	10,753	57,101	118,676		2/24
8,919	509	30020	8,919	FT	NO. 4 DEFORMED GFRP REINFORCEMENT				8,919		
467	511	34447	467	CY	CLASS OC2 CONCRETE WITH OC/OA, BRIDGE DECK, AS PER PLAN				467		2/24
80	511	34450	80	CY	CLASS OC2 CONCRETE WITH OC/OA, BRIDGE DECK (PARAPET)				80		
149	511	41012	149	CY	CLASS OC1 CONCRETE WITH OC/OA, PIER ABOVE FOOTINGS			149			
146	511	43512	146	CY	CLASS OC1 CONCRETE WITH OC/OA, ABUTMENT INCLUDING FOOTING	73	73				
128	511	46512	128	CY	CLASS OC1 CONCRETE WITH OC/OA, FOOTING			128			
1,658	512	10100	1,658	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	55	55	310	1238		
38	512	10300	38	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN				38		
5	515	15030	5	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4 MOD. (60 IN.), 99'-6"				5		
10	515	15030	10	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4 MOD. (60 IN.), 80'-7"				10		
36	515	20000	36	EACH	INTERMEDIATE DIAPHRAGMS				36		
120	516	13600	120	SF	1" PREFORMED EXPANSION JOINT FILLER	52	52		16		
118	516	14014	118	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	59	59				
20	516	44100	20	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-11"x11"x2.803"			20			
10	516	44101	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, 1'-11"x11"x2.803"	5	5				14/24
2	518	12301	2	EACH	SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN				2		18/24
118	518	21200	118	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	59	59				
148	518	40000	148	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	72	72				
50	518	40010	50	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	25	25				
243	526	25011	243	SY	REINFORCED CONCRETE APPROACH SLABS WITH OC/OA (T=15"), AS PER PLAN					243	21,22/24
85	526	90010	85	FT	TYPE A INSTALLATION					85	
1,550	601	32104	1,550	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC					1,550	

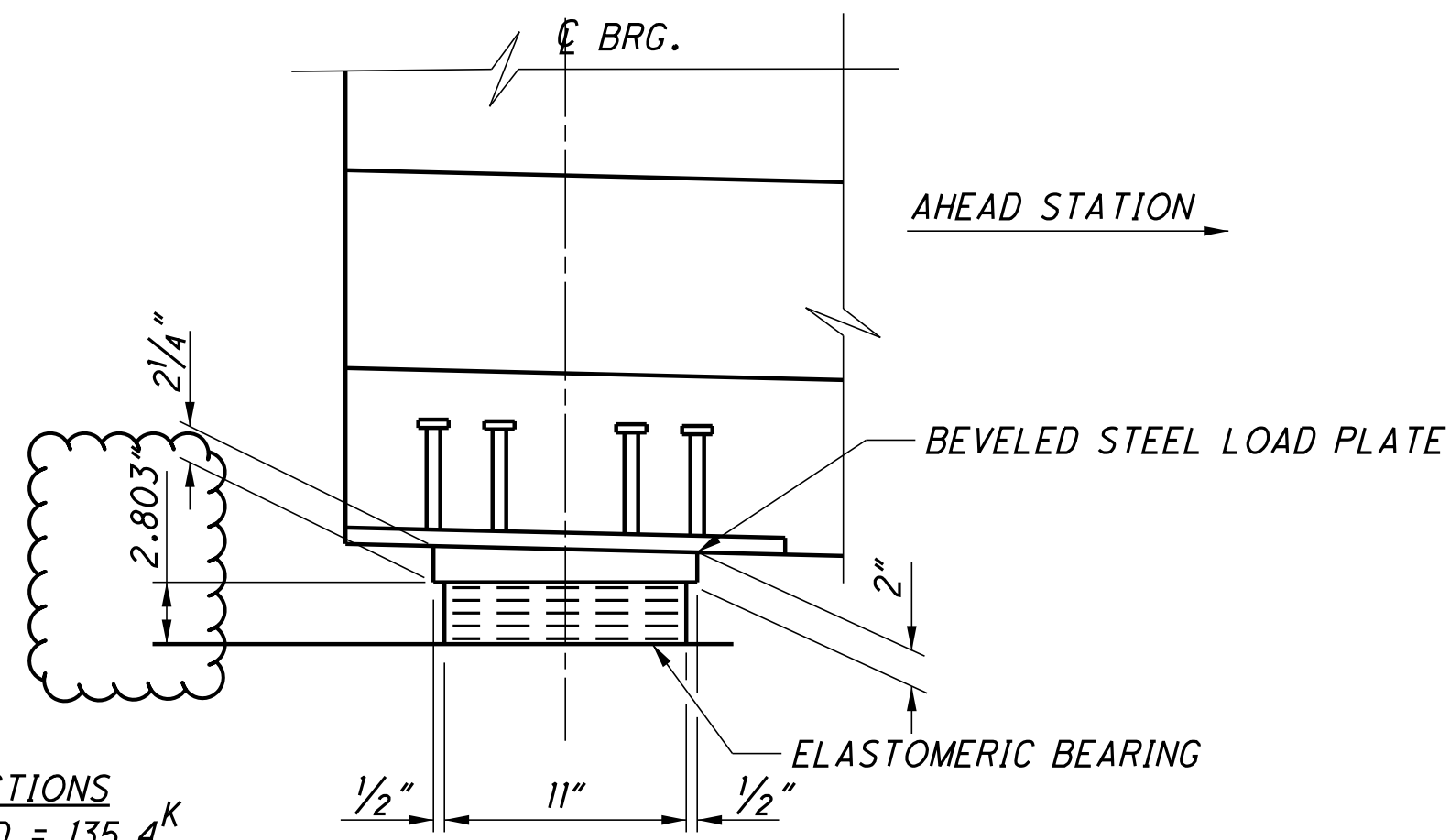
U:\173608714\LA\75923\structures\LA007\_0563C\sheets\007\_0563RE0001.dgn 12/5/2024 11:29:39 AM bmcneel



DESIGN AGENCY  
DATE 03/2024  
REVIEWED MRS  
DRAWN JWS  
DESIGNED BSM  
CHECKED EER

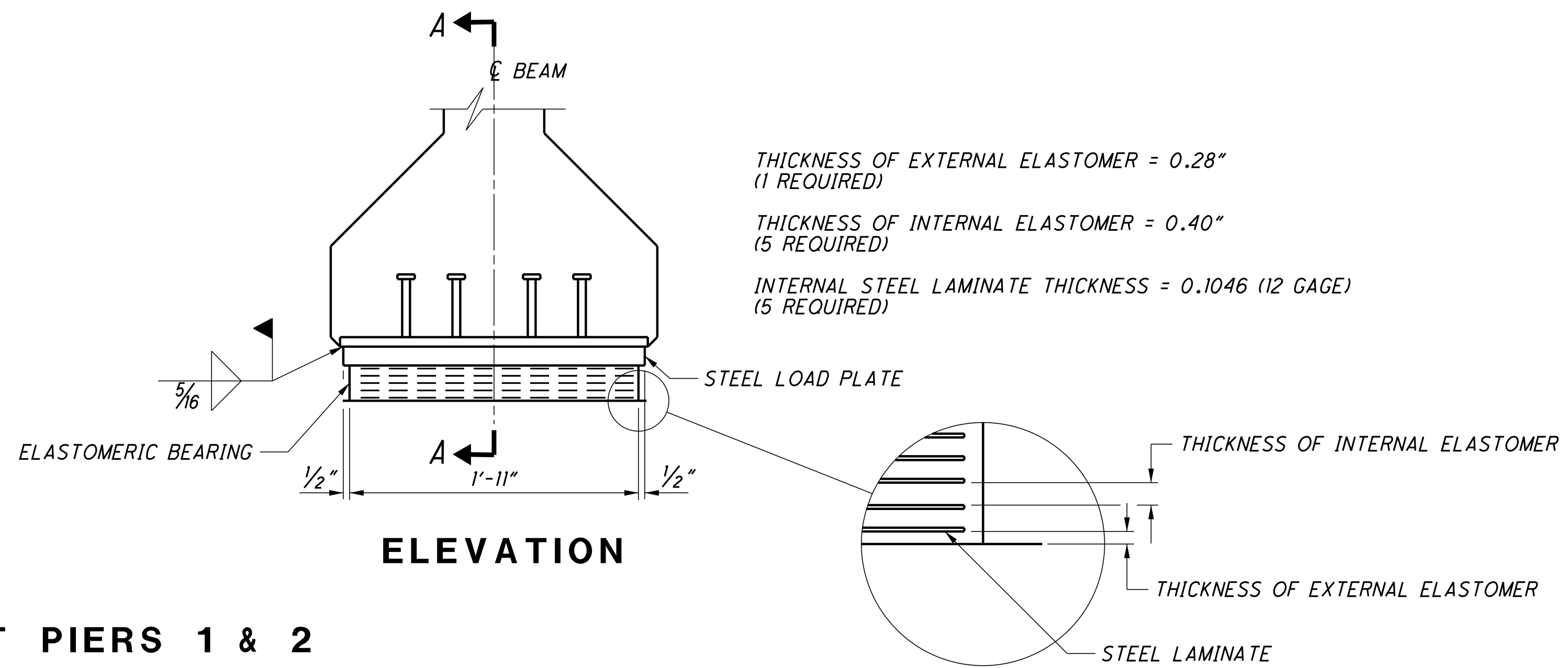
ESTIMATED QUANTITIES  
BRIDGE NO. LAW-7-0563  
S.R. 7 OVER INDIAN GUYAN CREEK

LAW-7-2.17  
PID No. 75923  
4/24  
910  
1247



**SERVICE REACTIONS**  
 DEAD LOAD = 135.4<sup>K</sup>  
 LIVE LOAD = 88.2<sup>K</sup>  
 TOTAL REACTION = 223.6<sup>K</sup>

**SECTION A-A**



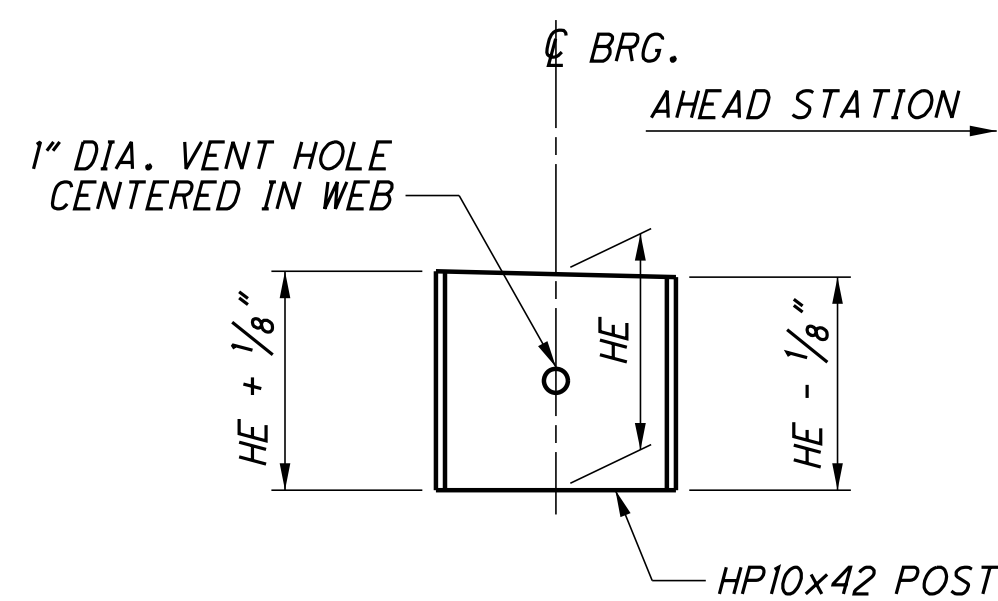
THICKNESS OF EXTERNAL ELASTOMER = 0.28"  
 (1 REQUIRED)  
 THICKNESS OF INTERNAL ELASTOMER = 0.40"  
 (5 REQUIRED)  
 INTERNAL STEEL LAMINATE THICKNESS = 0.1046 (12 GAGE)  
 (5 REQUIRED)

**ELEVATION**

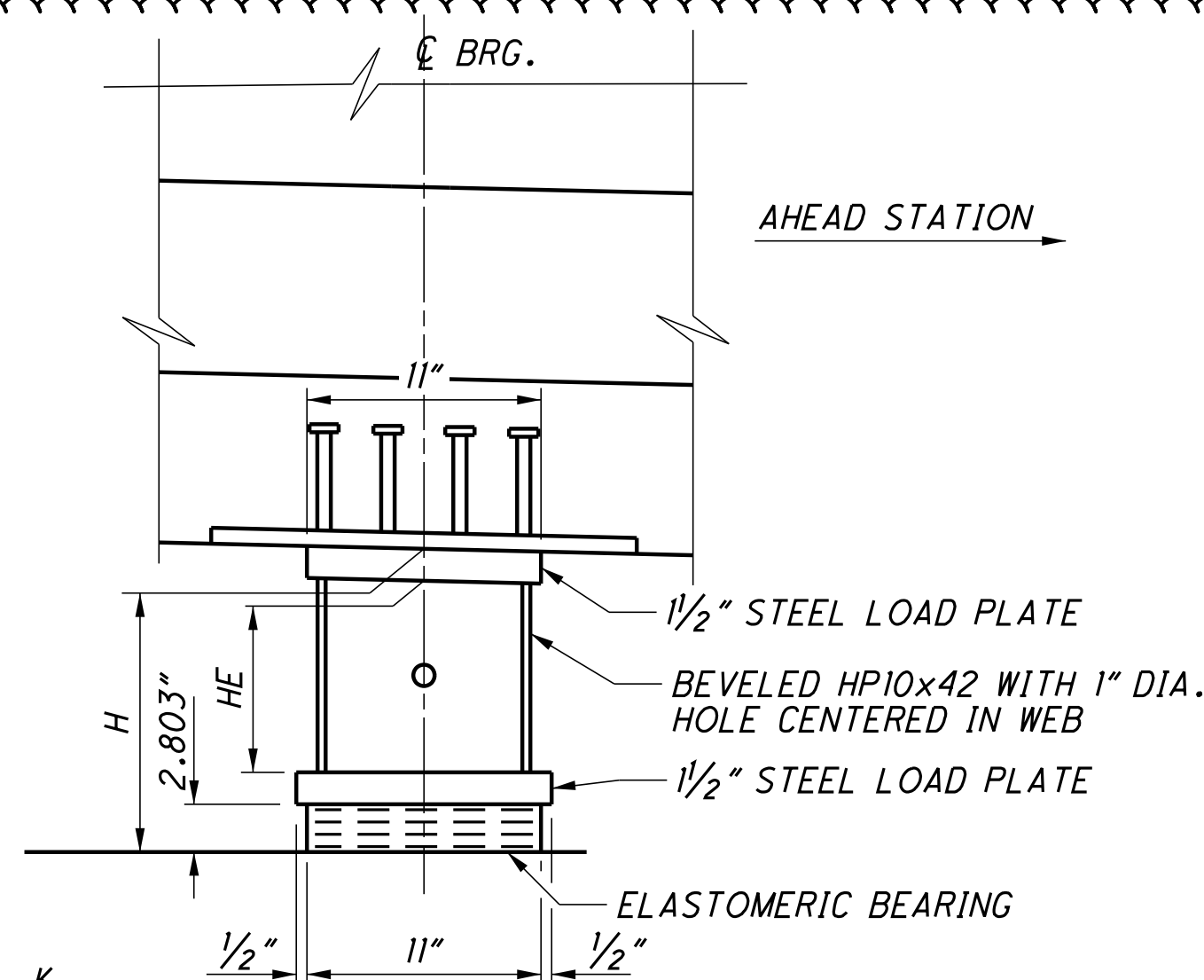
**BEARING HEIGHT TABLE**

BEAM	AT	H	HE
1-1	RA	12"	6 1/4"
2-1	RA	14 1/2"	8 3/4"
3-1	RA	15 3/4"	10"
4-1	RA	14 1/2"	8 3/4"
5-1	RA	13 1/4"	7 1/2"
1-3	FA	12 3/8"	6 5/8"
2-3	FA	14 1/2"	8 3/4"
3-3	FA	15 3/8"	9 5/8"
4-3	FA	13 3/4"	8"
5-3	FA	12"	6 1/4"

**BEARINGS AT PIERS 1 & 2**

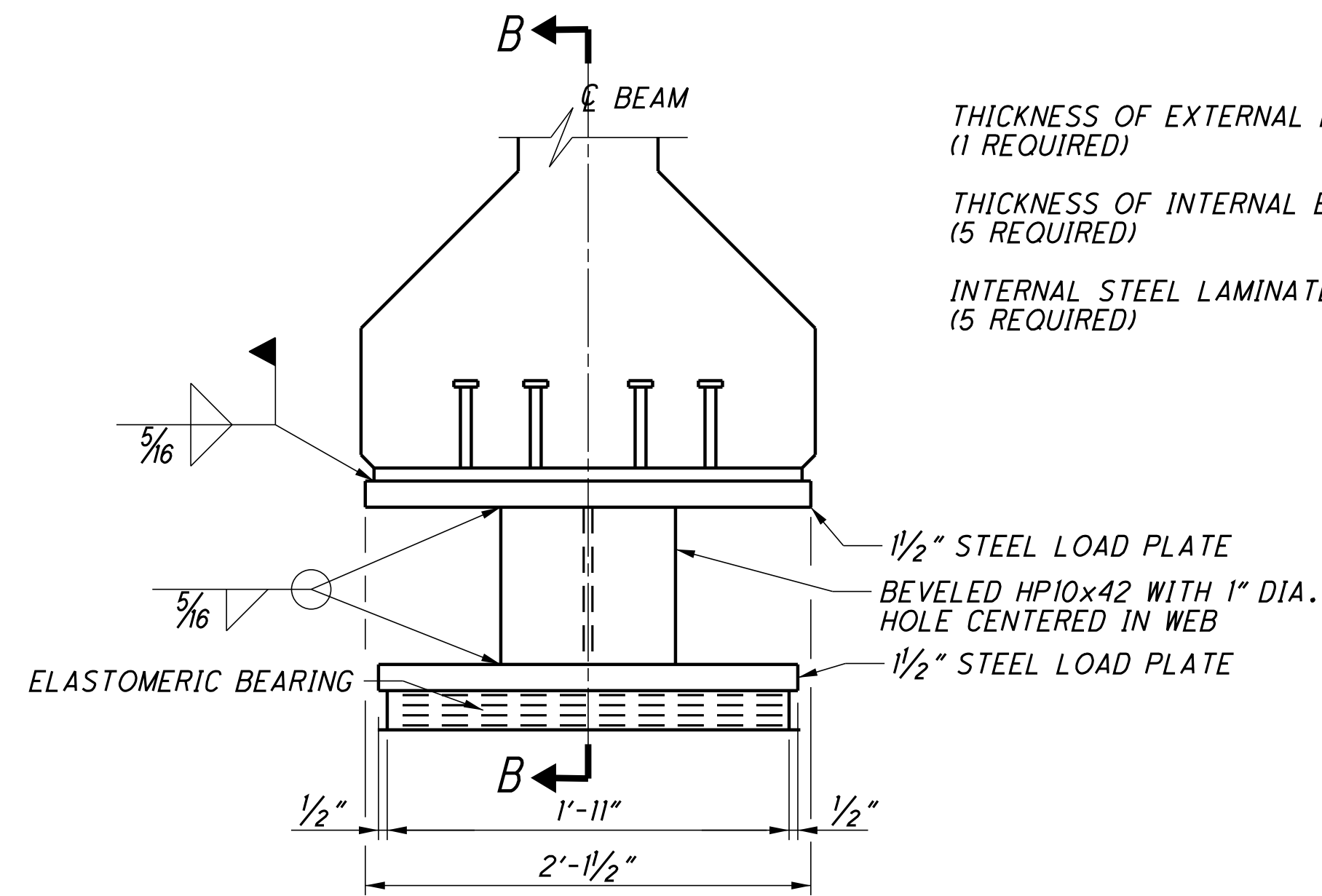


**ABUTMENT BEVELED POST**



**SERVICE REACTIONS**  
 DEAD LOAD = 154.8<sup>K</sup>  
 LIVE LOAD = 105<sup>K</sup>  
 TOTAL REACTION = 259.8<sup>K</sup>

**SECTION B-B**



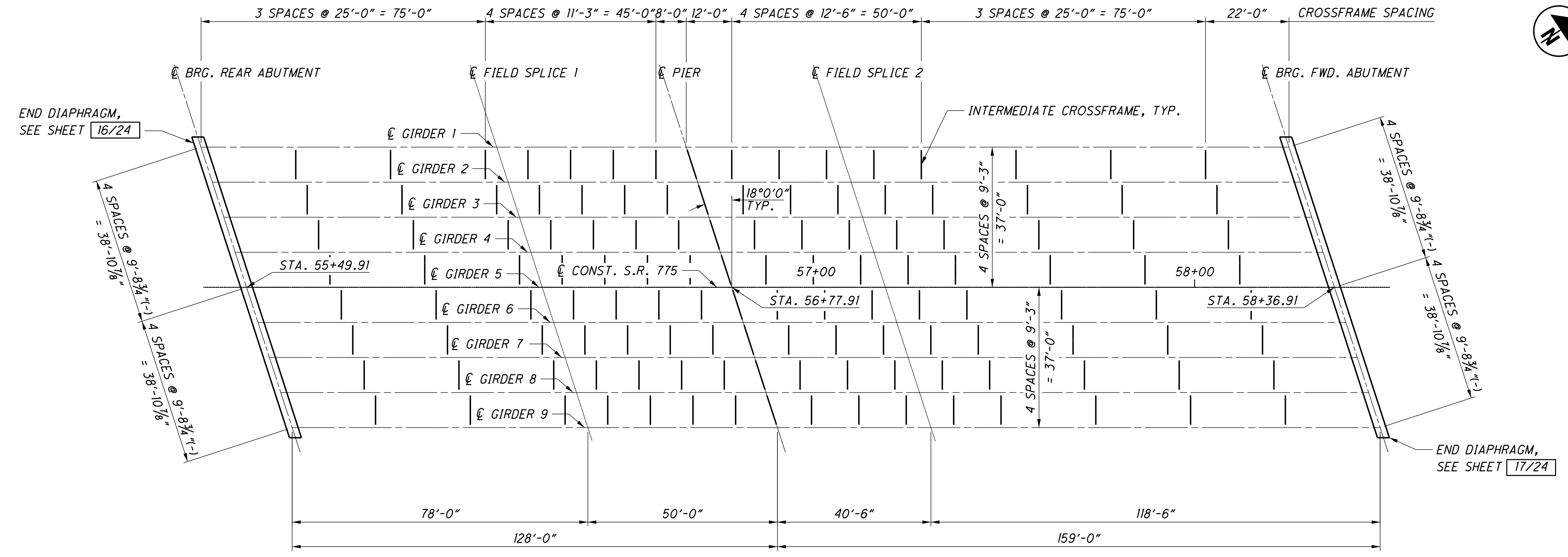
THICKNESS OF EXTERNAL ELASTOMER = 0.28"  
 (1 REQUIRED)  
 THICKNESS OF INTERNAL ELASTOMER = 0.40"  
 (5 REQUIRED)  
 INTERNAL STEEL LAMINATE THICKNESS = 0.1046 (12 GAGE)  
 (5 REQUIRED)

**ELEVATION**

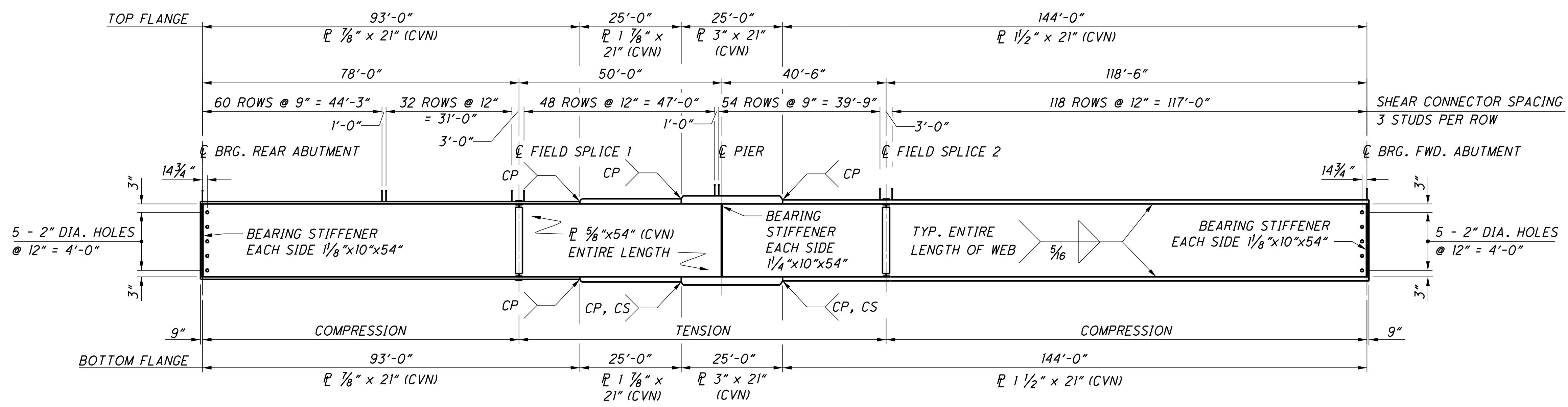
**BEARINGS AT ABUTMENTS**

**NOTES:**

- ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
- FOR DETAILS OF THE STUDS AND EMBEDDED PLATE, AND FOR ADDITIONAL INFORMATION, SEE STD. DWG. PSID-1-13.
- ALL BEARING SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER BEARING IS INSTALLED.



**FRAMING PLAN**



**GIRDER ELEVATION**

**NOTES:**

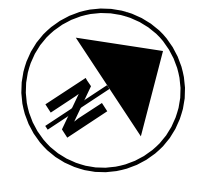
- WHERE A SHAPE OR PLATE IS DESIGNATED (CVN) THE MATERIAL SHALL MEET SPECIFIED MINIMUM NOTCH TOUGHNESS REQUIREMENTS AS SPECIFIED IN 711.01 OF CMS.
- WELD ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE TO AREAS OF THE FASCIA STRINGER FLANGES DESIGNATED "COMPRESSION". DO NOT WELD ATTACHMENTS TO AREAS DESIGNATED

- "TENSION". FILLET WELDS TO COMPRESSION FLANGES SHALL BE AT LEAST 1" FROM EDGE OF FLANGE, BE NO MORE THAN 2" LONG, AND BE AT LEAST 1/4" FOR THICKNESSES UP TO 3/4" OR 5/16" FOR GREATER THAN 3/4" THICK.
- COMPRESSION = BOTTOM FLANGE IN TENSION, TOP FLANGE IN COMPRESSION.  
TENSION = TOP FLANGE IN TENSION, BOTTOM FLANGE IN COMPRESSION.

- CS - INDICATES BUTT WELD SUBJECT TO COMPRESSIVE STRESSES ONLY.  
CP - INDICATES COMPLETE JOINT PENETRATION WELD.
- FOR ADDITIONAL DETAILS, SEE SHEET **17/24**.
- ALL BUTT WELDS SHALL HAVE WELD REINFORCEMENT REMOVED BY GRINDING IN DIRECTION PARALLEL TO CENTERLINE OF GIRDER.
- FOR DETAILS OF STIFFENERS AND GIRDERS, SEE STD. DWG. GSD-1-19.

- ALL STEEL SHALL BE GRADE 50W.
- APPLY INORGANIC ZINC PRIME COAT TO EACH END OF GIRDER, EXTENDING 3'-3" FROM END OF GIRDER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEM 513, STRUCTURAL STEEL MEMBERS, LEVEL 4, AS PER PLAN.

U:\173608714\175923\structures\LAW775\_0105C\sheets\775\_0105C\_SD001.dgn 12/16/2024 9:40:31 AM bmcneil



DATE	2/2024
REVIEWED	BSM
DRAWN	ALH
DESIGNED	MRS
CHECKED	EDA
REVIS	XXX
STRUCTURE FILE NUMBER	4404378