

LOCATION MAP

LATITUDE: N39°52'36" LONGITUDE: W81°58'30"

SCALE IN MILES

0 1 2 3 4



PORTION TO BE IMPROVED _____
 INTERSTATE & DIVIDED HIGHWAY _____
 UNDIVIDED STATE & FEDERAL ROUTES _____
 OTHER ROADS _____

DESIGN DESIGNATION

CURRENT ADT (2008) 1130
 DESIGN YEAR ADT (2028) 1240
 DESIGN HOURLY VOLUME (2028) 137
 DIRECTIONAL DISTRIBUTION 54%
 TRUCKS (24 HOUR B&C) 6%
 DESIGN SPEED 45 MPH
 LEGAL SPEED 45 MPH
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL LOCAL

DESIGN EXCEPTIONS APPROVAL DATE SHEET NO.

LANE WIDTH 12/07/07 2
 SHOULDER WIDTH 12/07/07 2
 HORIZONTAL ALIGNMENT 12/07/07 6
 VERTICAL ALIGNMENT 12/07/07 6
 SUPERELEVATION 12/07/07 6

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
 CALL TWO WORKING DAYS
 BEFORE YOU DIG

CALL
 1-800-362-2764
 (TOLL FREE)
 OHIO UTILITIES PROTECTION SERVICE
 NON-MEMBERS
 MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS PROTECTIVE
 SERVICE CALL: 1-800-929-0988

PLAN PREPARED BY:

MUSKINGUM COUNTY ENGINEER'S OFFICE
 DOUG DAVIS - COUNTY ENGINEER
 165 REHL ROAD - ZANESVILLE, OHIO 43701



MUSKINGUM COUNTY

ENGINEER'S OFFICE

(Old River Rd.-West (Bridge))

**MUS-C.R.6-11.85
PART 2**

BRUSH CREEK TOWNSHIP

MUSKINGUM COUNTY

FOR PART 1, SEE MUS-C.R.414-2.40

FOR PART 3, SEE MUS-C.R.71-5.74

PROJECT DESCRIPTION

IMPROVEMENT OF 0.04 MILES OF C.R. 6 (OLD RIVER ROAD) BY REPLACING A SINGLE SPAN TRUSS BRIDGE OVER BRUSH CREEK AND APPROACH ROADWAY CONSTRUCTION INCLUDING GRADING, DRAINAGE AND ASPHALT CONCRETE PAVING.

PROJECT EARTH DISTURBED AREA: 0.39 ACRES
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.14 ACRES
 NOTICE OF INTENT EARTH DISTURBED AREA: NOT REQUIRED

2005 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS APPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 4.

WE THE COMMISSIONERS OF MUSKINGUM COUNTY, IN FORMAL SESSION, HEREBY APPROVE THESE PLANS.

Brian D. Heis
 MUSKINGUM COUNTY COMMISSIONER

3-13-08
 DATE

John D. Bates
 MUSKINGUM COUNTY COMMISSIONER

3-13-08
 DATE

MUSKINGUM COUNTY COMMISSIONER

DATE

APPROVED
 DATE 3/13/08
 MUSKINGUM COUNTY ENGINEER

MUS-C.R.6-11.85

1
 22

FEDERAL PROJECT NO.
FAN E033592

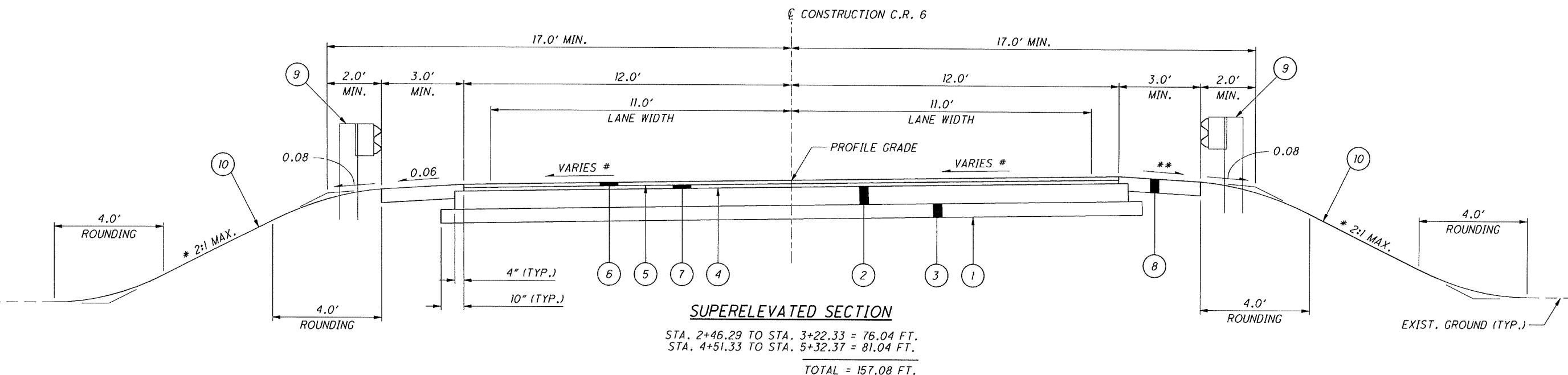
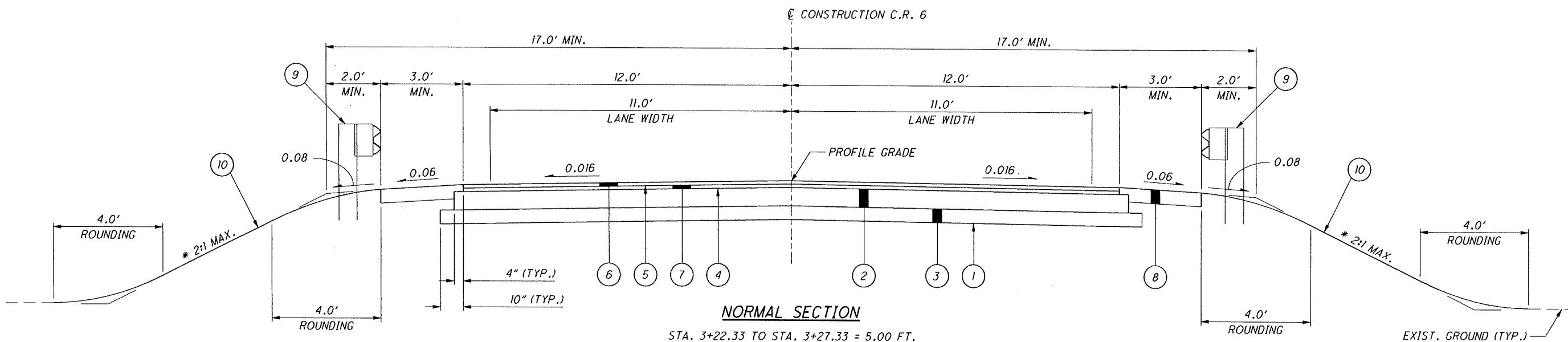
PID NO.
24277

CONSTRUCTION PROJECT NO.
 I

RAILROAD INVOLVEMENT
NONE

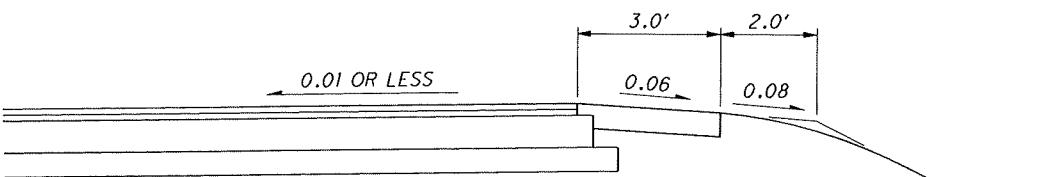
**FINAL PLAN
SUBMISSION**

ENGINEERS SEAL:		STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
		AS-1-81 7/19/02	DS-1-92 7/18/03	PSBD-1-93 4/20/07		800 1/18/08	
		BP-3.1 10/19/07	TST-1-99 10/17/03			832 4/25/06	
		DM-1.4 4/21/06	MT-97.11 9/05/06				
		DM-4.2 1/21/05	MT-101.60 9/20/06				
		DM-4.3 7/19/02	MT-105.10 10/18/02				
		DM-4.4 7/19/02	MT-105.11 10/18/02				
		GR-1.1 7/16/04	TC-73.10 1/19/01				
		GR-2.1 1/16/04					
		GR-3.6 1/16/04					
		GR-4.1 4/18/03					
SPECIAL PROVISIONS							
2008-44-MUS							
SIGNED: _____							
DATE: _____							

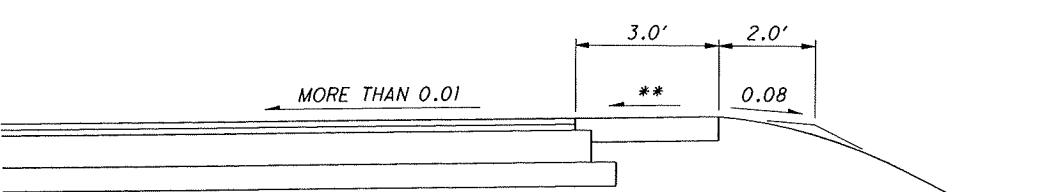
LEGEND

- (1) ITEM 204 - SUBGRADE COMPACTION
- (2) ITEM 301 - 8" ASPHALT CONCRETE BASE
- (3) ITEM 304 - 6" AGGREGATE BASE
- (4) ITEM 407 - TACK COAT
- (5) ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE
- (6) ITEM 448 - 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22
- (7) ITEM 448 - 1 1/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22
- (8) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
- (9) ITEM 606 - GUARDRAIL, TYPE 5
- (10) ITEM 659 - SEEDING AND MULCHING

- △ 0.08 FT./FT. DESIRABLE,
0.04 FT./FT. MINIMUM
- * UNLESS OTHERWISE SHOWN
ON THE CROSS SECTIONS
- ** SAME SLOPE AS PAVEMENT
- ** FOR HIGH SIDE SHOULDER SLOPES
ON SUPERELEVATED SECTIONS SEE
SHOULDER DETAILS, THIS SHEET



SHOULDER DETAIL
FOR PAVEMENT SLOPES OF LESS THAN 0.01 OR LESS



SHOULDER DETAIL
FOR PAVEMENT SLOPES MORE THAN 0.01

ROUNDING

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

UTILITIES

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

ELECTRIC: AEP OHIO
1 RIVERSIDE PLAZA
COLUMBUS, OH 43215-2373
PHONE: (800) 277-2177

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.

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM.

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.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

INDIANA BAT NOTE

CLEARING OF ANY TREES THAT HAVE SUITABLE SUMMER BROOD REARING OR ROOSTING HABITAT FOR THE FEDERALLY ENDANGERED INDIANA BAT (E.G. TREES WITH EXFOLIATING BARK AND/OR CAVITIES), SHALL OCCUR BEFORE APRIL 15 OR AFTER SEPTEMBER 15 WHEN THE BATS WOULD NOT BE USING SUCH HABITAT.

ITEM 203 - EXCAVATION, AS PER PLAN

A QUANTITY OF 50 CY IS INCLUDED FOR POSSIBLE ROADWAY UNDERCUT. THIS ITEM SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.

ITEM 204 - GRANULAR MATERIAL, TYPE C, AS PER PLAN

A QUANTITY OF 50 CY IS INCLUDED FOR POSSIBLE ROADWAY UNDERCUT. THIS ITEM SHALL BE USED AS DIRECTED BY THE ENGINEER.

INSTREAM WORK

INSTREAM WORK SHALL BE LIMITED WHERE PRACTICABLE. NO INSTREAM WORK SHALL OCCUR BETWEEN MARCH 15 AND JUNE 15 TO MINIMIZE PROJECT RELATED IMPACTS ON SPAWNING WARM WATER FISH SPECIES.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, REPAIR SEEDING AND MULCHING	7 SO. YD
659, COMMERCIAL FERTILIZER	0.25 TON
659, LIME	0.03 ACRES
659, WATER	0.73 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

DEMOLITION DEBRIS

THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID AND/OR LIMIT DEMOLITION DEBRIS FROM ENTERING THE STREAM. ANY MATERIAL THAT DOES FALL INTO THE STREAM SHALL BE REMOVED AS SOON AS POSSIBLE.

BANK STABILIZATION

BANK STABILIZATION WILL BE LIMITED TO WITHIN 50 FEET UPSTREAM AND DOWNSTREAM OF THE EXISTING STRUCTURE. BANK STABILIZATION WILL BE LIMITED TO REGRADING OF THE BANKS FROM TOE-OF-SLOPE (INSTREAM) TO THE TOP OF BANK AND WILL INCLUDE PLACEMENT OF ROCK CHANNEL PROTECTION WHERE REQUIRED. THIS EXCLUDES WORK SUCH AS WIDENING, DEEPENING OR RELOCATION. THE EXTENT OF SUCH STABILIZATION WILL BE KEPT TO A MINIMUM.

CONTRACTOR'S USE OF RIGHT-OF-WAY

THE CONTRACTOR SHALL NOT USE OR ENTER ANY AREA OUTSIDE OF THE RIGHT-OF-WAY LIMITS THAT ARE SHOWN ON THE PLANS.

WATERWAY PERMIT DETERMINATION (404/401) - LOCAL LEP LPA PROJECTS

ALL PROJECTS INVOLVING JURISDICTIONAL WATERS OF THE UNITED STATES (STREAMS, RIVERS, NON-ISOLATED WETLANDS) AND/OR ISOLATED WETLANDS ARE SUBJECT TO REGULATION UNDER SECTIONS 404 AND 401 OF THE CLEAN WATER ACT, AND POSSIBLY OHIO EPA ISOLATED WETLAND LAW. THE OHIO DEPARTMENT OF TRANSPORTATION - OFFICE OF ENVIRONMENTAL SERVICES (OES) AND/OR THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE) HAS DETERMINED THAT THE PROJECT MEETS THE CRITERIA OF NATIONWIDE PERMIT (NWP) 3 - MAINTENANCE; BASED UPON THE ANTICIPATED IMPACTS TO STREAM(S) AND/OR WETLAND(S). HOWEVER, THIS PERMIT DETERMINATION DID NOT INCLUDE THE USE OF TEMPORARY CONSTRUCTION ACCESS FILLS THAT MAY BE REQUIRED FOR CONSTRUCTION (I.E. CAUSEWAY STREAM CROSSINGS, CONSTRUCTION ACCESS PADS, COFFERDAMS, ETC.). INFORMATION REGARDING THE USE OF TEMPORARY CONSTRUCTION ACCESS FILLS MAY NOT HAVE BEEN KNOWN AT THE TIME OF THE PERMIT DETERMINATION. THE CONTRACTOR SHOULD BE AWARE THAT THE USE OF TEMPORARY FILL BELOW THE ORDINARY HIGH WATER MARK (OHWM), WHICH IS THE USACE'S JURISDICTIONAL LIMITS, WILL REQUIRE A PRE-CONSTRUCTION NOTIFICATION (PCN) AND AUTHORIZATION BY THE USACE UNDER NWP 33 - TEMPORARY CONSTRUCTION ACCESS AND DEWATERING. SHOULD TEMPORARY CONSTRUCTION ACCESS FILL BE REQUIRED, THE CONTRACTOR OR LOCAL PROJECT SPONSOR SHALL COORDINATE SUCH ACTIVITIES, INCLUDING THE PCN, WITH THE APPROPRIATE USACE DISTRICT OFFICE AND ALLOW 60 DAYS MINIMUM FOR PROCESSING WITH THE USACE. THE CONTRACTOR SHALL NOT UTILIZE TEMPORARY FILLS BELOW OHWM UNTIL SUCH ACTIVITY IS AUTHORIZED BY THE USACE. SHOULD A PCN BE REQUIRED, THE PCN SHALL INCLUDE PERTINENT INFORMATION (I.E. VOLUME AND SURFACE AREA OF TEMPORARY FILLS) AND DRAWINGS (PLAN AND PROFILE VIEW) OF TEMPORARY FILLS BELOW OHWM. ONLY CLEAN, NON ERODIBLE MATERIALS SHALL BE USED FOR TEMPORARY CONSTRUCTION ACCESS FILLS. ANY TEMPORARY FILLS BELOW OHWM SHALL BE REMOVED FOLLOWING COMPLETION OF THE AUTHORIZED ACTIVITY AND THE AREA OF STREAM WHEREM TEMPORARY FILL WAS LOCATED SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION.

USACE DEFINITION OF OHWM - THE ORDINARY HIGH WATER MARK IS THE LINE ON THE SHORES ESTABLISHED BY THE FLUCTUATIONS OF WATER AND INDICATED BY PHYSICAL CHARACTERISTICS SUCH AS A CLEAR, NATURAL LINE IMPRESSED ON THE BANK; SHELVING; CHANGES IN THE CHARACTER OF THE SOIL; DESTRUCTION OF TERRESTRIAL VEGETATION; THE PRESENCE OF LITTER AND DEBRIS; OR THE APPROPRIATE MEANS THAT CONSIDER THE CHARACTERISTICS OF THE SURROUNDING AREAS.

CENTERLINE REFERENCES C.R. 6						
STATION	OFFSET (FT.)	SIDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
0+62.32	0.00	E	684192.49	2115645.00		P.C.
1+96.63	0.00	E	684129.59	2115763.69		P.I.
3+22.32	0.00	E	684009.50	2115823.85		P.T.
4+46.33	0.00	E	683898.62	2115879.39		P.C.
5+10.57	0.00	E	683841.19	2115908.17		P.I.
5+71.33	0.00	E	683808.26	2115963.32		P.T.

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48"X30" ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES, GATES AND LIGHTS AS SHOWN ON SCD MT-101.60 AT THE LOCATIONS SHOWN DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN ON THE PLANS.

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

DETOUR SIGNAGE

THE COUNTY SHALL ERECT AND MAINTAIN DETOUR SIGNAGE AS SHOWN ON THE PLANS.

DETOUR NOTIFICATION

THE CONTRACTOR SHALL ADVISE THE COUNTY EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. THE COUNTY SHALL THEN PROVIDE AND INSTALL ALL DEVICES NECESSARY TO DEFINE THE ROUTE OF THE DETOUR AND SHALL MAINTAIN THE SAME THROUGHOUT THE DETOUR LIMITATION DATES. ALL TRAFFIC CONTROL DEVICES REQUIRED, OTHER THAN FOR THE DETOUR, SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR.

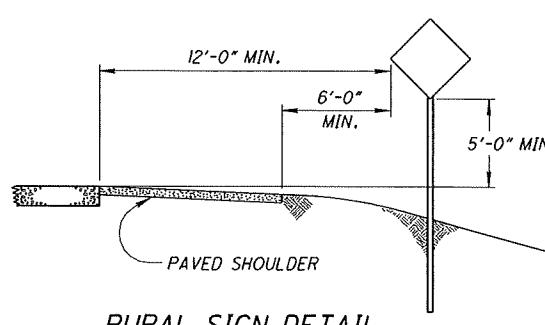
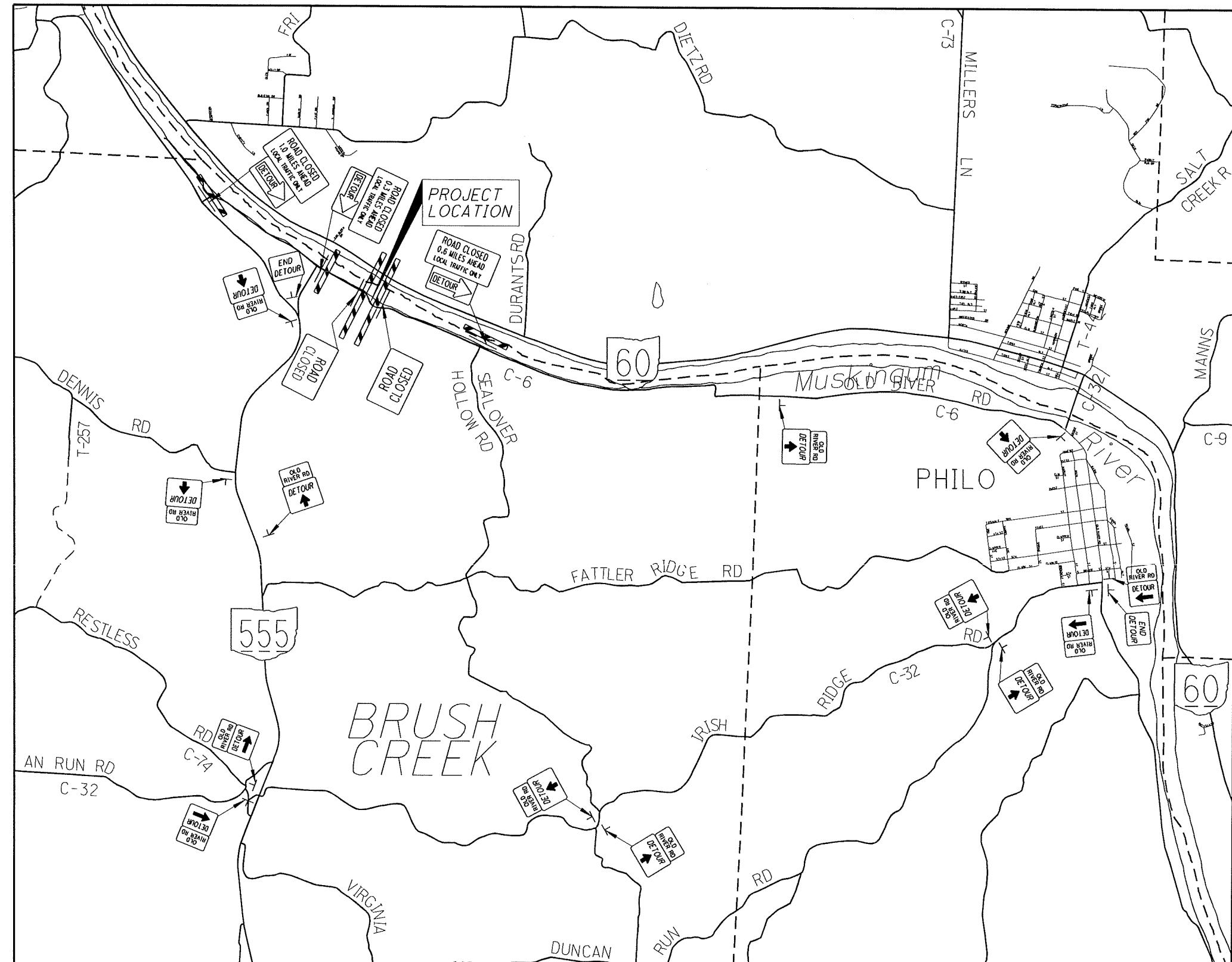
DETOUR LIMITATION

THE MAXIMUM LENGTH OF TIME FOR THE DETOUR ROUTE TO BE IN EFFECT SHALL BE NINETY (90) CONSECUTIVE DAYS. CONSTRUCTION WORK MAY BE PERFORMED BEFORE AND AFTER THE DETOUR LIMITATION DATES, BUT THERE SHALL BE NO RESTRICTIONS TO THROUGH OR LOCAL TRAFFIC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE AND PERFORM THE CONSTRUCTION WORK WITHIN THE DETOUR LIMITATION TIME. THE FAILURE OF THE CONTRACTOR TO MEET THE DETOUR LIMITATION DATES WILL CAUSE SEPARATE LIQUIDATED DAMAGES IN ACCORDANCE WITH 108.07 TO BE ASSESSED. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF 108.07 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

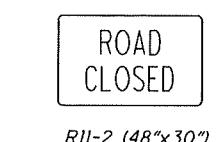
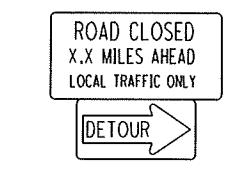
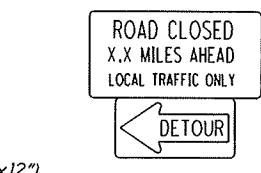
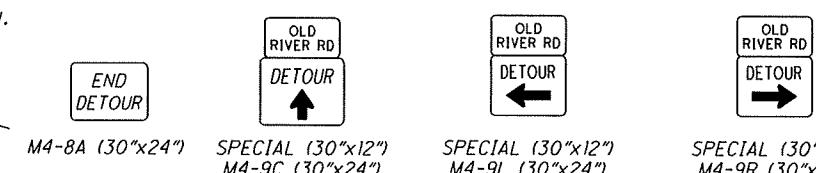
DUST CONTROL

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 2 M. GAL.



SIGN KE



EGEND



ATES AND BARRICADES
S SHOWN ON SCD MT-101.60



TYPE III BARRICADE

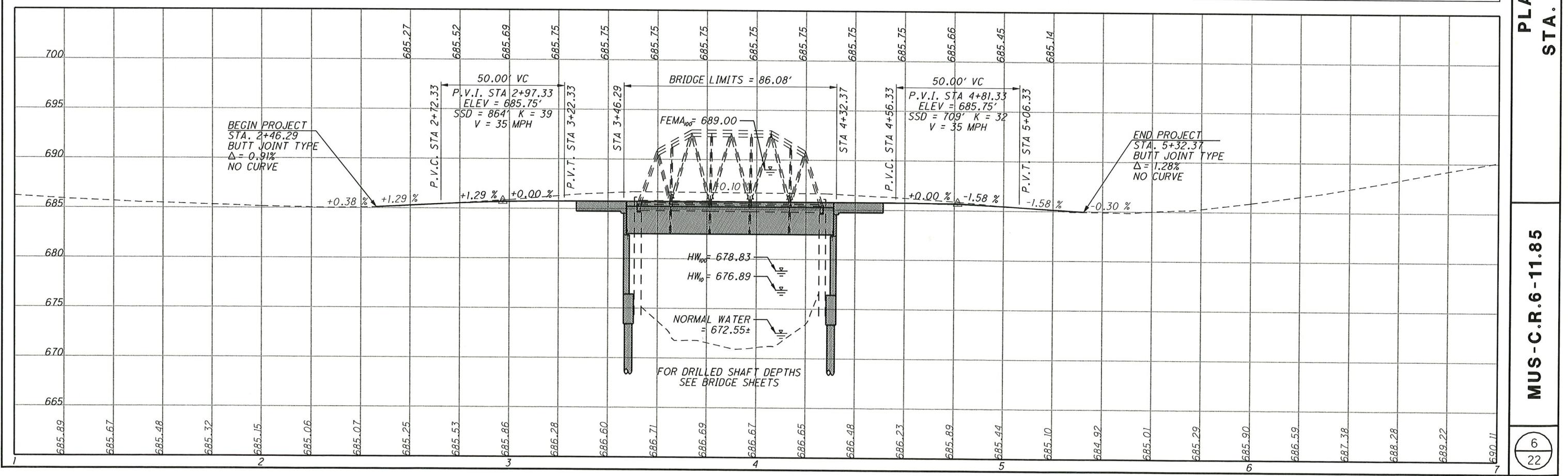
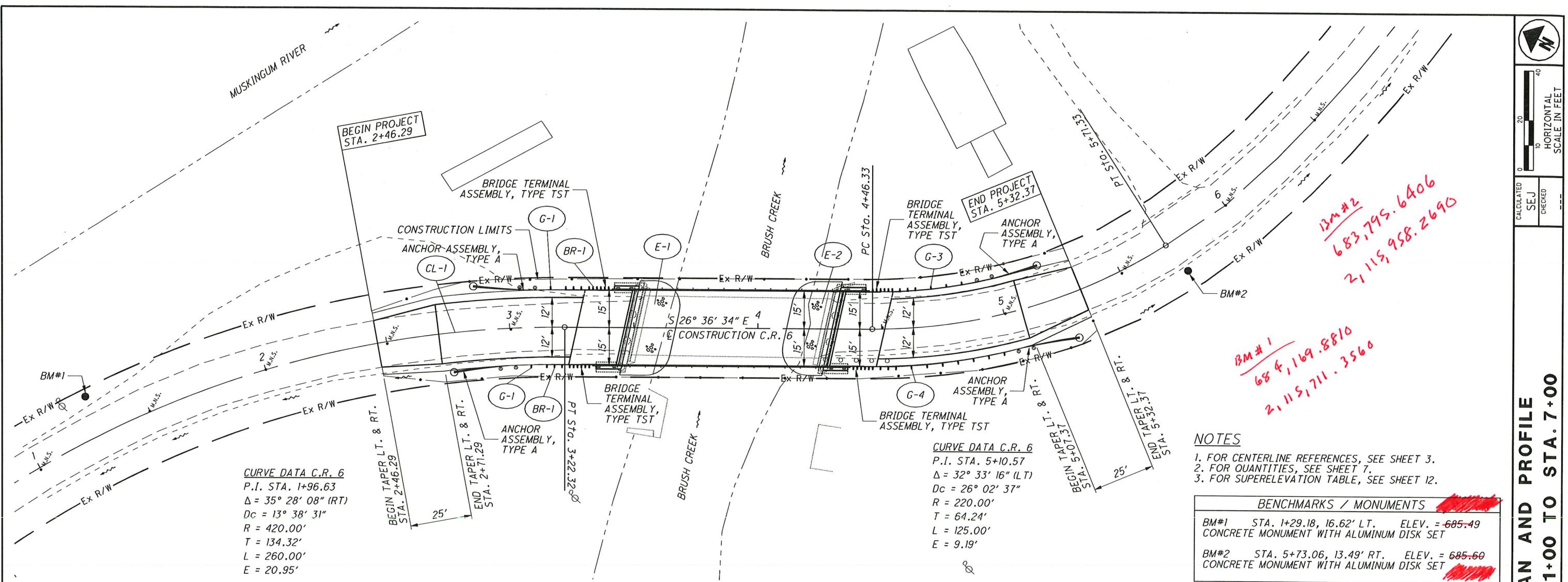
*Y*PICAL POST MOUNTED SIGN
FF RURAL SIGN DETAIL

SHEET NUMBER								ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
				OFFICE CALCS	3	4	7	11						
													ROADWAY	
				LUMP					201	11000	LUMP		CLEARING AND GRUBBING	
							283	203	10000	283	CU YD		EXCAVATION	
				50				203	10001	50	CU YD		EXCAVATION, AS PER PLAN	3
							14	203	20000	14	CU YD		EMBANKMENT	
				462				204	10000	462	SO YD		SUBGRADE COMPACTION	
								204	30021	50	CU YD		GRANULAR MATERIAL, TYPE C, AS PER PLAN	3
				50				204	45000	1	HOUR		PROOF ROLLING	
							175	606	13000	175	FT		GUARDRAIL, TYPE 5	
							4	606	25000	4	EACH		ANCHOR ASSEMBLY, TYPE A	
							4	606	32160	4	EACH		BRIDGE TERMINAL ASSEMBLY, TYPE TST	
													EROSION CONTROL	
							130	601	32204	130	CU YD		ROCK CHANNEL PROTECTION, TYPE C WITH FABRIC FILTER	
							136	659	10000	136	SQ YD		SEEDING AND MULCHING	
				7				659	14000	7	SQ YD		REPAIR SEEDING AND MULCHING	
				0.25				659	20000	0.25	TON		COMMERCIAL FERTILIZER	
				0.03				659	31000	0.03	ACRE		LIME	
				0.73				659	35000	0.73	M GAL		WATER	
								832	30000	500	EACH		EROSION CONTROL	
													PAVEMENT	
				99				301	46000	99	CU YD		ASPHALT CONCRETE BASE, PG64-22	
				77				304	20000	77	CU YD		AGGREGATE BASE	
				44				407	10000	44	GALLON		TACK COAT	
				44				407	14000	44	GALLON		TACK COAT FOR INTERMEDIATE COURSE	
				24				411	10000	24	CU YD		STABILIZED CRUSHED AGGREGATE	
				21				448	46050	21	CU YD		ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22	
				15				448	47020	15	CU YD		ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	
													TRAFFIC CONTROL	
							10	626	00100	10	EACH		BARRIER REFLECTOR, TYPE A	
							0.04	642	00290	0.04	MILE		CENTER LINE	
													MAINTENANCE OF TRAFFIC	
							2	616	10000	2	M GAL		WATER	
													STRUCTURES (OVER 20')	
													FOR BRIDGE NO. MUS-CR6-1185	13
								614	11000	LUMP			MAINTAINING TRAFFIC	
								623	10000	LUMP			CONSTRUCTION LAYOUT STAKES	
								624	10000	LUMP			MOBILIZATION	

MUS-C.R.6-11.85

5
22SEE SHEET NO.
CALCULATED
SEJ
CHECKED

GENERAL SUMMARY



SEEDING

END WIDTH	SO. YDS.
3	
0.70	
6	
7.73	
20	
3.38	
29	

END AREA

CUT	FILL
0	0
38	0
68	0
60	1
33	2
32	2

VOLUME

CUT	FILL
0	0
0	0
0	0
0	1
0	2
0	2

CALCULATED
SEJ
CHECKED

CROSS SECTIONS

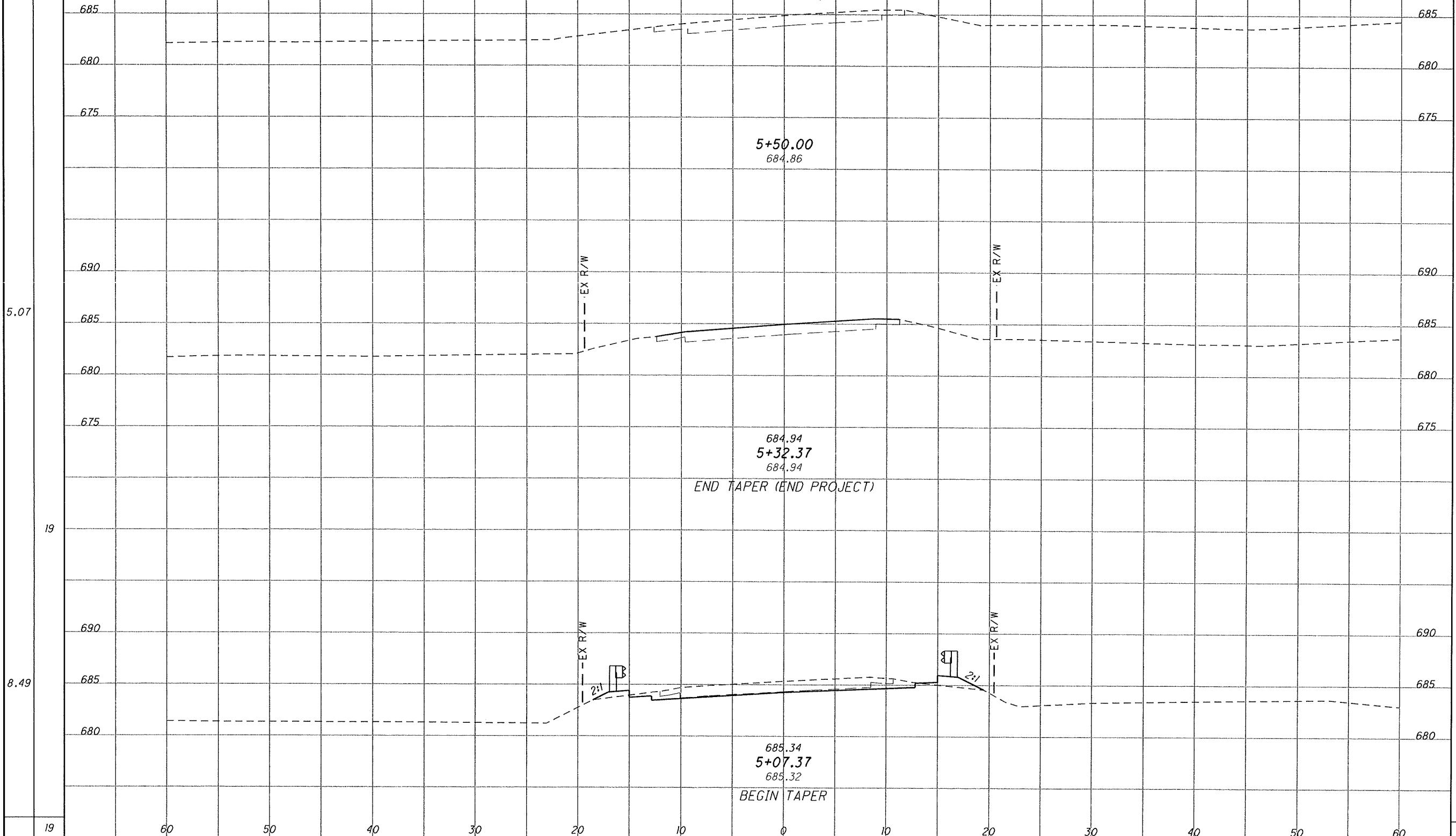
STA. 3+00.00 TO STA. 3+46.29

MUS-C.R.6-11.85

9
22

SEEDING	
END WIDTH	SO. YDS.
5.07	19
8.49	19

EARTHWORK QUANTITY SUB-SUBSUMMARY				
STATION FROM	STATION TO	203		659
		EXCAVATION	EMBANKMENT	SEEDING AND MULCHING
		CU. YD.	CU. YD.	SO. YD.
2+25	2+71.29	13	1	25
3+00	3+46.29	130	3	29
4+32.37	4+75	89	3	63
5+07.37	5+50	51	7	19
TOTALS TO GENERAL SUMMARY		283	14	136



CROSS SECTIONS
STA. 5+07.37 TO STA. 5+50.00

MILLS-C. B 6-11 85

11
22

SUPERELEVATION TABLE

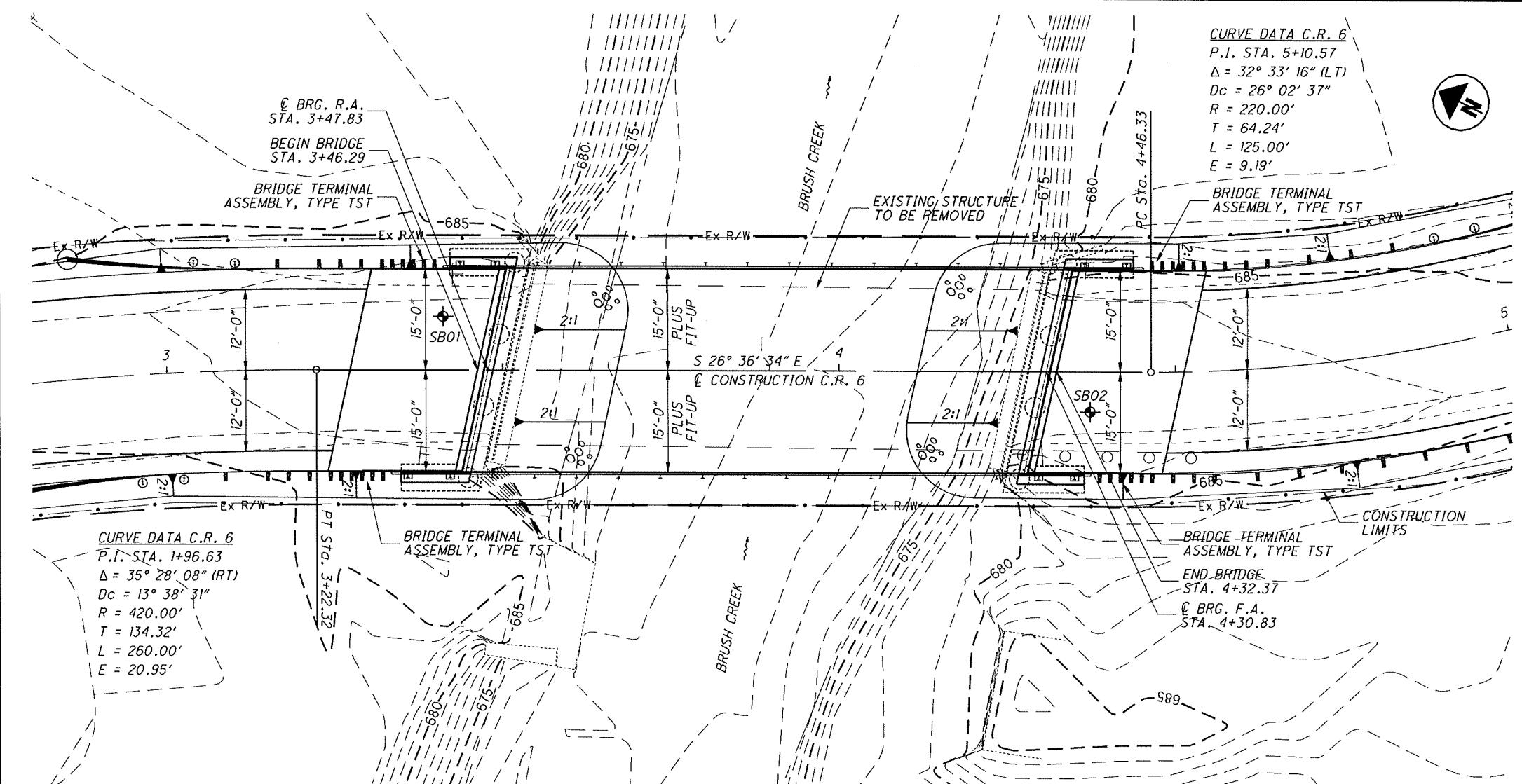
P.I. STA. 1+19.63

Dc = 13° 38' 31"

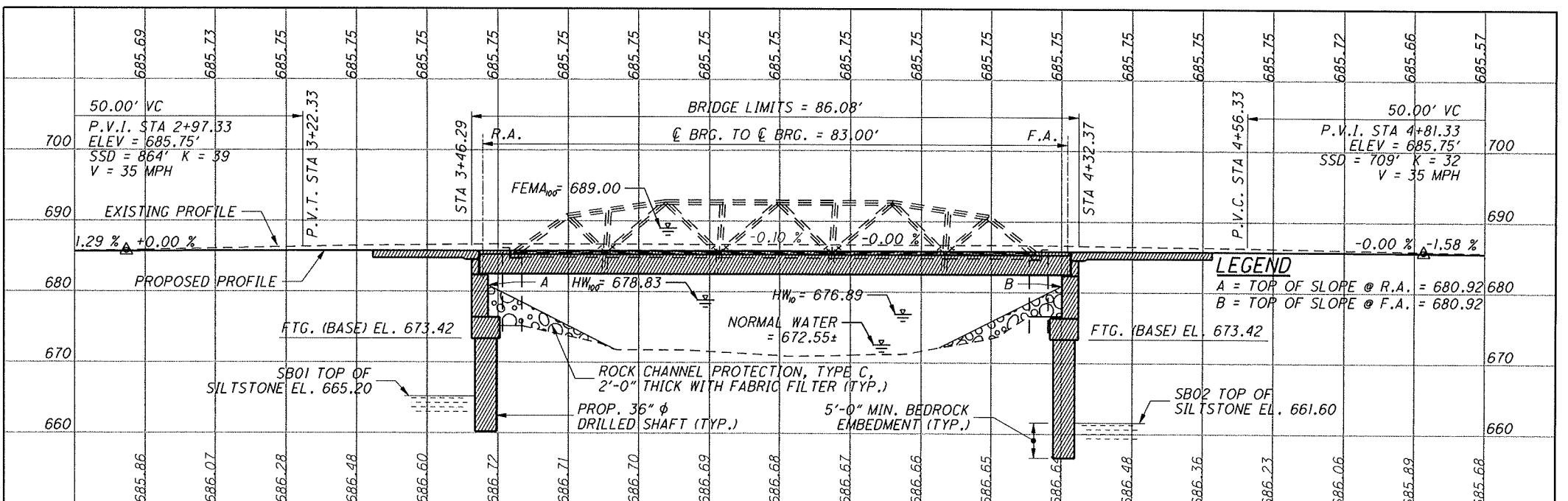
SUPERELEVATION TABLE

P.I. STA. 5+10.57

26° 02' 37"



PLAN



PROFILE ALONG C CONSTRUCTION C.R. 6

CURVE DATA C.R. 6
 P.I. STA. 5+10.57
 $\Delta = 32^\circ 33' 16''$ (LT)
 $D_c = 260^\circ 02' 37''$
 $R = 220.00'$
 $T = 64.24'$
 $L = 125.00'$
 $E = 9.19'$

NOTES

1. FOR ADDITIONAL BENCHMARK / MONUMENT INFORMATION SEE ROADWAY PLAN SHEET 6.
2. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:

2008 ADT = 1130 2008 ADTT = 67
 2028 ADT = 1240 2028 ADTT = 70
 DIRECTIONAL DISTRIBUTION = 54%

LEGEND

● ORIGINAL SOIL BORING LOCATION

HYDRAULIC DATA

DRAINAGE AREA = 25 SO. MILES
 $Q(10) = 2140 \text{ V(10)} = 7.65 \text{ FT/S}$
 $Q(100) = 3600 \text{ V(100)} = 9.13 \text{ FT/S}$
 STRUCTURE CLEARS THE 10 YEAR
 DESIGN HW BY 5.61 FEET.

EXISTING STRUCTURE	
TYPE:	SINGLE SPAN STEEL TRUSS BRIDGE SUPPORTED ON CONCRETE WALL ABUTMENTS WITH CONCRETE FOOTING ON ROCK
SPANS:	74'-0" ± C/C BEARINGS
ROADWAY:	24'-0" ± F/F GUARDRAIL
LOADING:	H10
SKEW:	12°00'00" R.F.
WEARING SURFACE:	ASPHALT CONCRETE
APPROACH SLABS:	NONE
ALIGNMENT:	TANGENT
STRUCTURAL FILE NUMBER:	6035140
DATE BUILT:	1969
DISPOSITION:	TO BE REPLACED

PROPOSED STRUCTURE	
TYPE:	SINGLE SPAN COMPOSITE PRESTRESSED CONCRETE BOX BEAM BRIDGE SUPPORTED ON CONCRETE ABUTMENTS WITH CONCRETE FOOTING ON ROCK
SPANS:	83'-0" C/C BEARINGS
ROADWAY:	30'-0" (PLUS FIT-UP) F/F GUARDRAIL
LOADING:	HS25 AND ALTERNATE MILITARY LOADING
SKEW:	12°20'00" R.F.
WEARING SURFACE:	CONCRETE
FUTURE WEARING SURFACE:	60 PSF
APPROACH SLABS:	15'-0" LONG (AS-1-81)
ALIGNMENT:	TANGENT
CROWN:	0.016 FT/FT
COORDINATES:	LATITUDE 39°52'36" N LONGITUDE 81°58'30" W

SITE PLAN		BRIDGE NO. MUS-006-1185		OVER BRUSH CREEK	
1	MUS-C.R.6-11.85	STA. 3+46.29	STA. 4+32.37	DEIGNED DRD	DRAWN SEEJ
10	PID No. 24277	CHECKED	REVISED	STRUCTURE FILE NUMBER	DATE
				6035140	6/08/2008

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

DS-1-92 REVISED 07-18-03
PSBD-1-93 REVISED 07-21-06
TST-1-99 REVISED 10-17-03

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002 INCLUDING THE 2003 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN LOADING: HS25 AND THE ALTERNATE MILITARY LOADING.
FUTURE WEARING SURFACE: 60 PSF.

DESIGN DATA:

CONCRETE CLASS C - COMPRESSIVE STRENGTH 4000 PSI (SUBSTRUCTURE)

CONCRETE S MODIFIED - COMPRESSIVE STRENGTH 4000 PSI (DRILLED SHAFT)

REINFORCING STEEL - ASTM A615 OR A996 GRADE 60 MINIMUM YIELD STRENGTH 60,000 PSI
SPIRAL REINFORCEMENT MAY BE PLAIN BARS, ASTM A82 OR A615

CONCRETE FOR PRESTRESSED BEAMS:

COMPRESSIVE STRENGTH (FINAL) - 7000 PSI

COMPRESSIVE STRENGTH (RELEASE) - 5000 PSI

PRESTRESSING STRAND:

AREA = 0.167 IN²

ULTIMATE STRENGTH = 270 KSI

INITIAL STRESS = 202.5 KSI (LOW RELAXATION STRANDS)

DECK PROTECTION METHOD

IPANEX CONCRETE WATERPROOFING

STEEL DRIP STRIP

SEALING OF CONCRETE SURFACES

ITEM 202 - STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

THE EXISTING STEEL TRUSS AND GUARDRAIL SHALL BE REMOVED FOR STORAGE AND SHALL BECOME PROPERTY OF MUSKINGUM COUNTY. THE EXISTING TRUSS SHALL BE CUT INTO MANAGEABLE PIECES AS DIRECTED BY THE COUNTY ENGINEER. BOTH THE TRUSS AND GUARDRAIL SHALL BE DELIVERED TO A LOCATION DESIGNATED BY THE MUSKINGUM COUNTY ENGINEER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 202, STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

CONTACT DOUG DAVIS AT THE MUSKINGUM COUNTY ENGINEER'S OFFICE AT (740) 454-0155
TO ARRANGE FOR MATERIALS TO BE RECEIVED BY THE COUNTY.

DRILLED SHAFTS

THE DESIGN LOAD TO BE SUPPORTED BY EACH DRILLED SHAFT IS 68.8 TONS AT THE ABUTMENTS. THIS LOAD IS RESISTED BY SHAFT END BEARING. THE ALLOWABLE END BEARING PRESSURE IS 10 TONS PER SQUARE FOOT. THE REINFORCING STEEL SHALL BE EPOXY COATED ACCORDING TO 709.00. PERMANENT STEEL CASING WILL BE REQUIRED TO PREVENT COLLAPSE AND GROUNDWATER INFILTRATION.

IF THE SOIL CONDITION ENCOUNTERED IN THE FIELD DEVIATES FROM THE INFORMATION PROVIDED IN THE FOUNDATION INVESTIGATION REPORT, THE COUNTY ENGINEER SHALL BE CONTACTED FOR ADVICE.

UTILITY LINES

THE UTILITY SHALL BORE ALL EXPENSE INVOLVED IN RELOCATING (INSTALLING) THE AFFECTED UTILITY LINES. THE CONTRACTOR AND UTILITIES ARE TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

BEARING PAD SHIMS

PLACE $\frac{1}{8}$ " THICK PREFORMED BEARING PAD SHIMS, PLAN AREA 10 INCHES BY 6 INCHES, UNDER THE ELASTOMERIC BEARING PADS WHERE REQUIRED FOR PROPER BEARING, FURNISH TWO SHIMS PER BEAM. THE COUNTY WILL MEASURE THIS ITEM BY THE TOTAL NUMBER SUPPLIED. THE COUNTY WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516 - $\frac{1}{8}$ " PREFORMED BEARING PADS. ANY UNUSED SHIMS WILL BECOME THE PROPERTY OF MUSKINGUM COUNTY.

ITEM 503 - COFFERDAMS, CRIBS, AND SHEETING, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE MEANS FOR CONSTRUCTING THE PROJECT IN A MANOR THAT DOES NOT EXTEND OUTSIDE OF THE RIGHT-OF-WAY LIMITS SHOWN ON THESE PLANS. ANY SHEETING OR OTHER MATERIALS AND/ OR METHODS SHALL BE APPROVED BY THE ENGINEER PRIOR TO WORK.

ITEM 503 - UNCLASSIFIED EXCAVATION, AS PER PLAN

THE BACKFILL MATERIAL BEHIND THE ABUTMENTS SHALL BE TYPE B GRANULAR MATERIAL, 703.16.C, PLACED AND COMPACTED IN 6" LIFTS.

ITEM	ITEM EXT.	TOTAL	UNIT	ESTIMATED QUANTITIES			ABUTS.	SUPER	GEN'L	SPEC & AS PER PLAN SHEET NO.
				DESCRIPTION	DATE	REVIEWED				
202	11003	LUMP		STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN						LUMP 2
503	11101	LUMP		COFFERDAMS, CRIBS AND SHEETING, AS PER PLAN						LUMP 2
503	21101	200	CU YD	UNCLASSIFIED EXCAVATION, AS PER PLAN						LUMP 2
509	10000	13487	POUND	EPOXY COATED REINFORCING STEEL	9399					
511	34435	47	CU YD	CLASS S CONCRETE, BRIDGE DECK, AS PER PLAN			47			2
511	43501	116	CU YD	CLASS C CONCRETE, ABUTMENT INCLUDING FOOTING, AS PER PLAN	116					2
512	10100	159	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	73		86			
512	44400	19	SQ YD	TYPE B WATERPROOFING	19					
515	12090	6	EACH	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB33-48			6			
515	12080	2	EACH	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB33-36			2			
516	13600	195	SQ FT	1" PREFORMED EXPANSION JOINT FILLER			193			
516	31001	62	FT	JOINT SEALER, AS PER PLAN			62			
516	41100	16	EACH	$\frac{1}{8}$ " PREFORMED BEARING PAD			16			
516	43100	32	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE), 10"x6"x $\frac{1}{2}$ "			32			
517	70000	206.75	FT	RAILING (TWIN STEEL TUBE)	206.75					
518	21200	56	CU YD	POROUS BACKFILL WITH FILTER FABRIC	56					
518	22300	207	FT	STEEL DRIP STRIP	207					
518	40000	65	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	65					
518	40010	30	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	30					
524	94702	81	FT	DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK	81					
524	94704	40	FT	DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK	40					
526	15000	134	SY	REINFORCED CONCRETE APPROACH SLAB (T=13")	134					

ITEM 511 - CLASS C CONCRETE, ABUTMENT INCLUDING FOOTING, AS PER PLAN

THE CONTRACTOR SHALL INSTALL A METAL BENCHMARK DISK ON TOP OF NORTHEAST WINGWALL. THE DISK SHALL BE PLACED CAREFULLY ON A LEVELED SECTION AT A TURNED BACK PORTION THE WINGWALL. THE CONTRACTOR SHALL PROVIDE AN ELEVATION OF THE BENCHMARK, WHICH SHALL BE VERIFIED BY A PROFESSIONAL SURVEYOR. THE ELEVATION MEASURED SHALL USE NAVD 88 DATUM. THE DISK SHALL BE PROVIDED BY THE MUSKINGUM COUNTY ENGINEER. PAYMENT FOR ALL OTHER MATERIALS, LABOR AND INCIDENTALS NECESSARY TO INSTALL THE BENCHMARK DISK SHALL BE INCLUDED IN ITEM 511 - CLASS C CONCRETE, ABUTMENT INCLUDING FOOTING, AS PER PLAN. IF THE METAL BENCHMARK IS DISTURBED PRIOR TO THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUPPLY A NEW DISK, RESET AND VERIFY ITS ELEVATION AT NO ADDITIONAL COST TO THE COUNTY.

ITEM 511 - CLASS S CONCRETE, BRIDGE DECK, AS PER PLAN

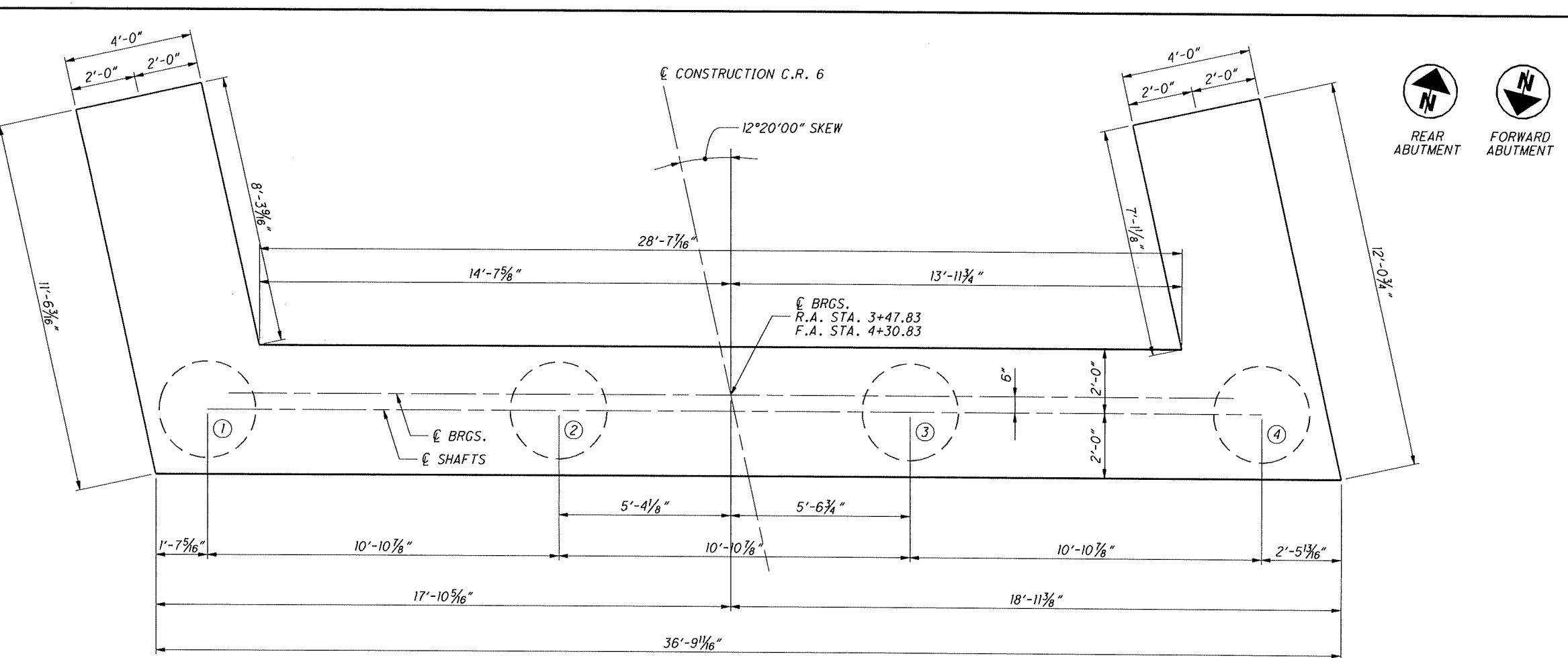
THE CONTRACTOR SHALL ENSURE THAT IPANEX WATERPROOFING IS ADDED TO THE CONCRETE MIXTURE AS REQUIRED BY THE ENGINEER. STANDARD CLASS S CONCRETE SHALL BE USED WITH THE ADDITION OF IPANEX WATERPROOFING AT A RATE OF 13.8 OZ PER 100 LB OF CEMENT OR CEMENTATION MATERIAL. THIS COST SHALL BE INCLUDED IN ITEM 511-CLASS S CONCRETE, BRIDGE DECK, AS PER PLAN.

MUSKINGUM COUNTY
ENGINEER'S OFFICE
155 REM. ROAD
ZANESVILLE, OHIO 43701

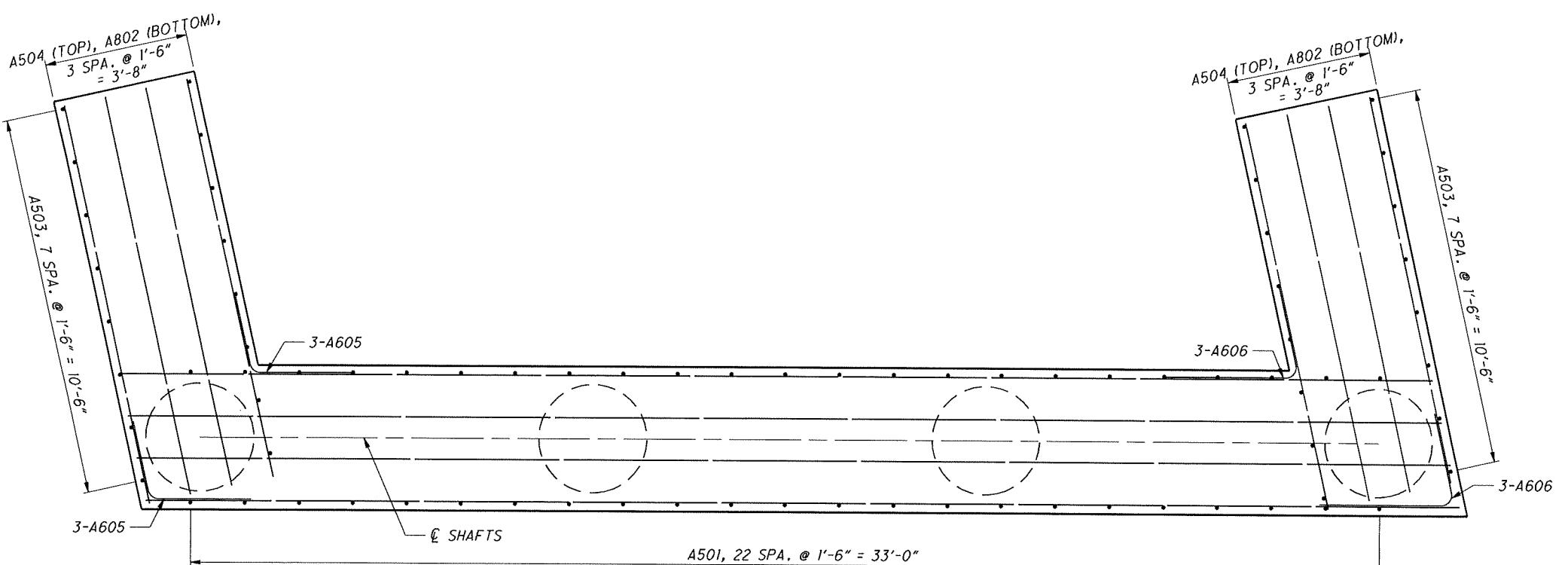
MUSKINGUM COUNTY
GENERAL NOTES AND ESTIMATED QUANTITIES
BRIDGE NO. MUS-006-1185
OVER BRUSH CREEK

MUS-C.R. 6-11.85
PID No. 24277
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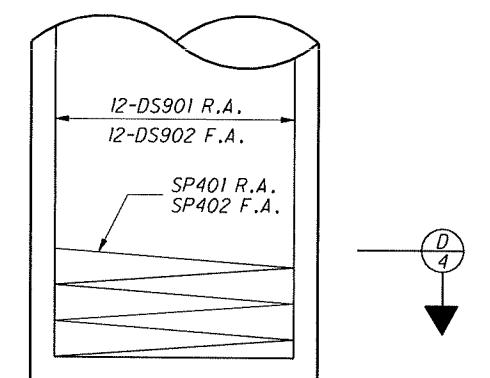
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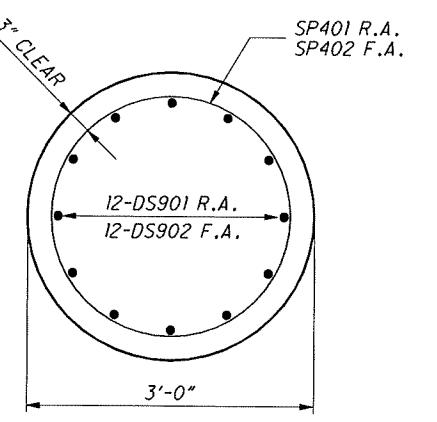
PLAN (REINFORCING STEEL NOT SHOWN)



PLAN (REINFORCING STEEL SHOWN)



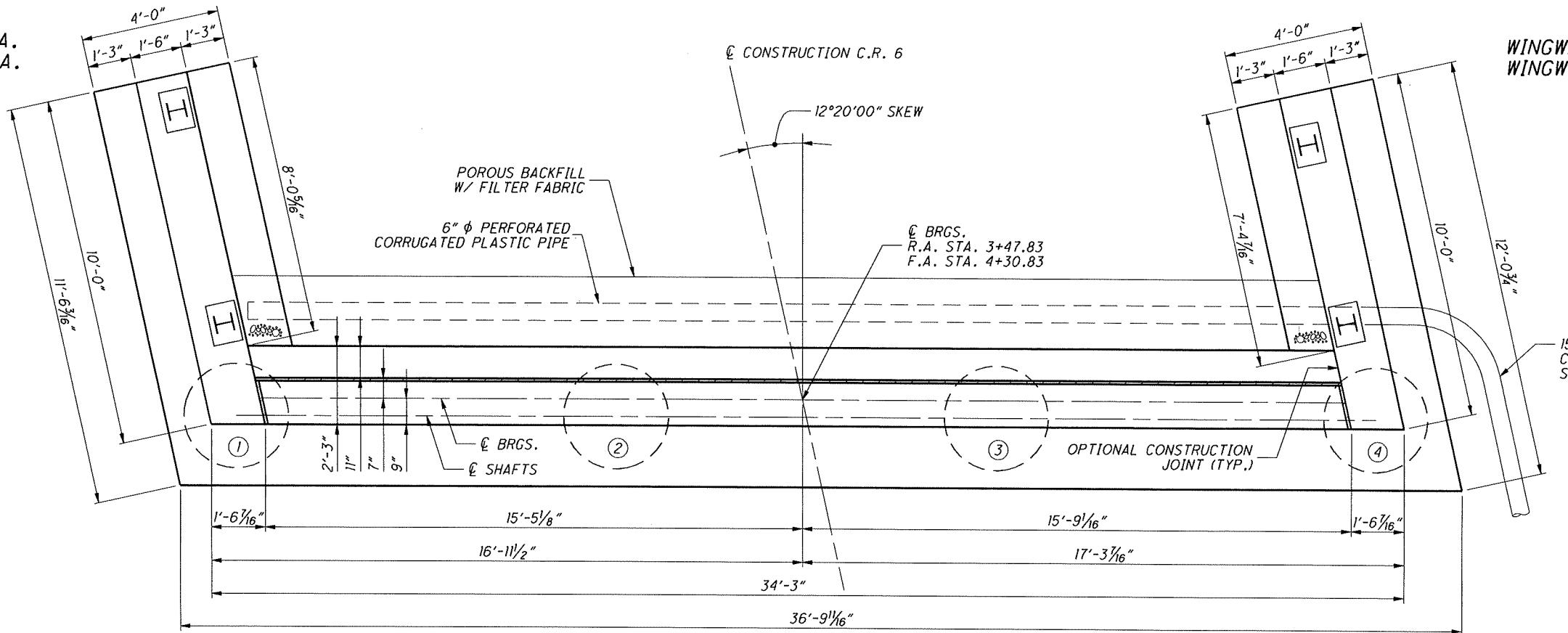
DRILLED SHAFT DETAIL



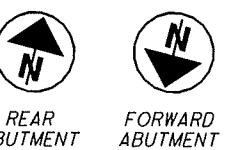
D DRILLED SHAFT SECTION

FOUNDATION PLAN	
BRIDGE NO. MUS-006-1185	
OVER BRUSH CREEK	
MUS-C.R. 6-11.85	
PID No. 24277	
3	10

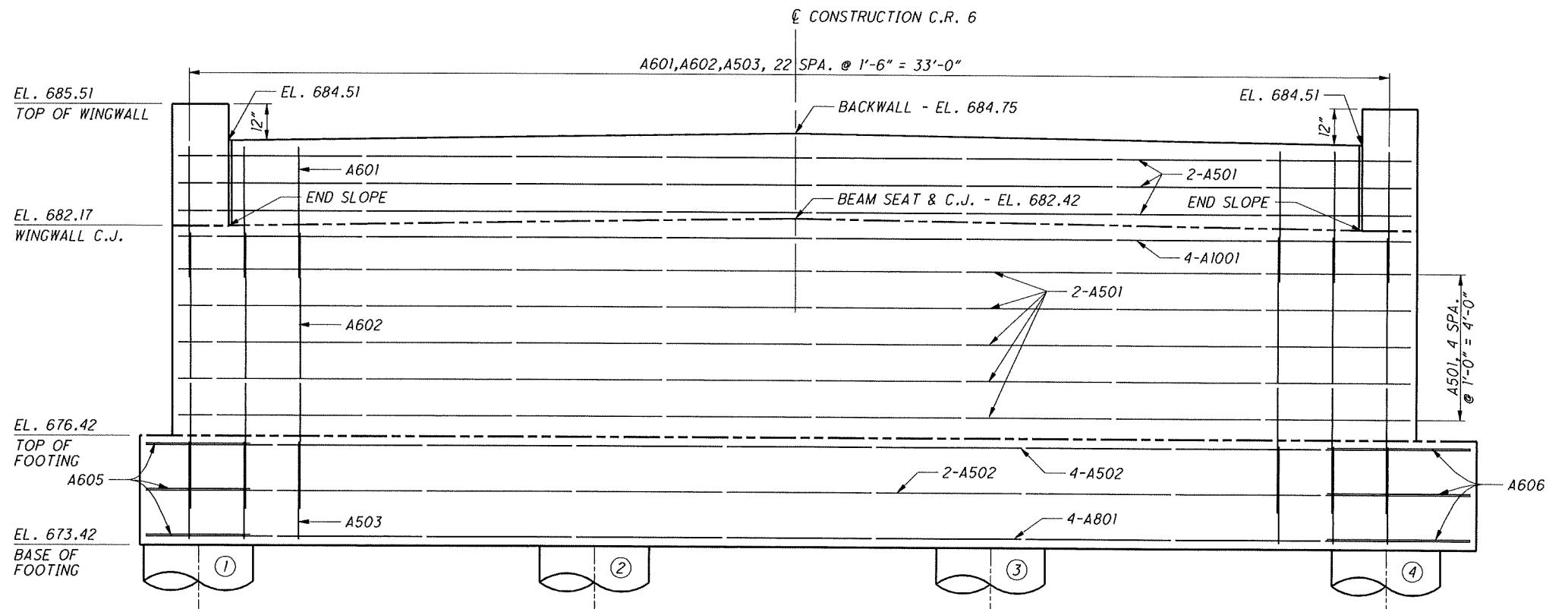
WINGWALL #1 - R.A.
WINGWALL #3 - F.A.



WINGWALL #2 - R.A.
WINGWALL #4 - F.A.



ABUTMENT DETAILS
BRIDGE NO. MUS-006-1185
OVER BRUSH CREEK

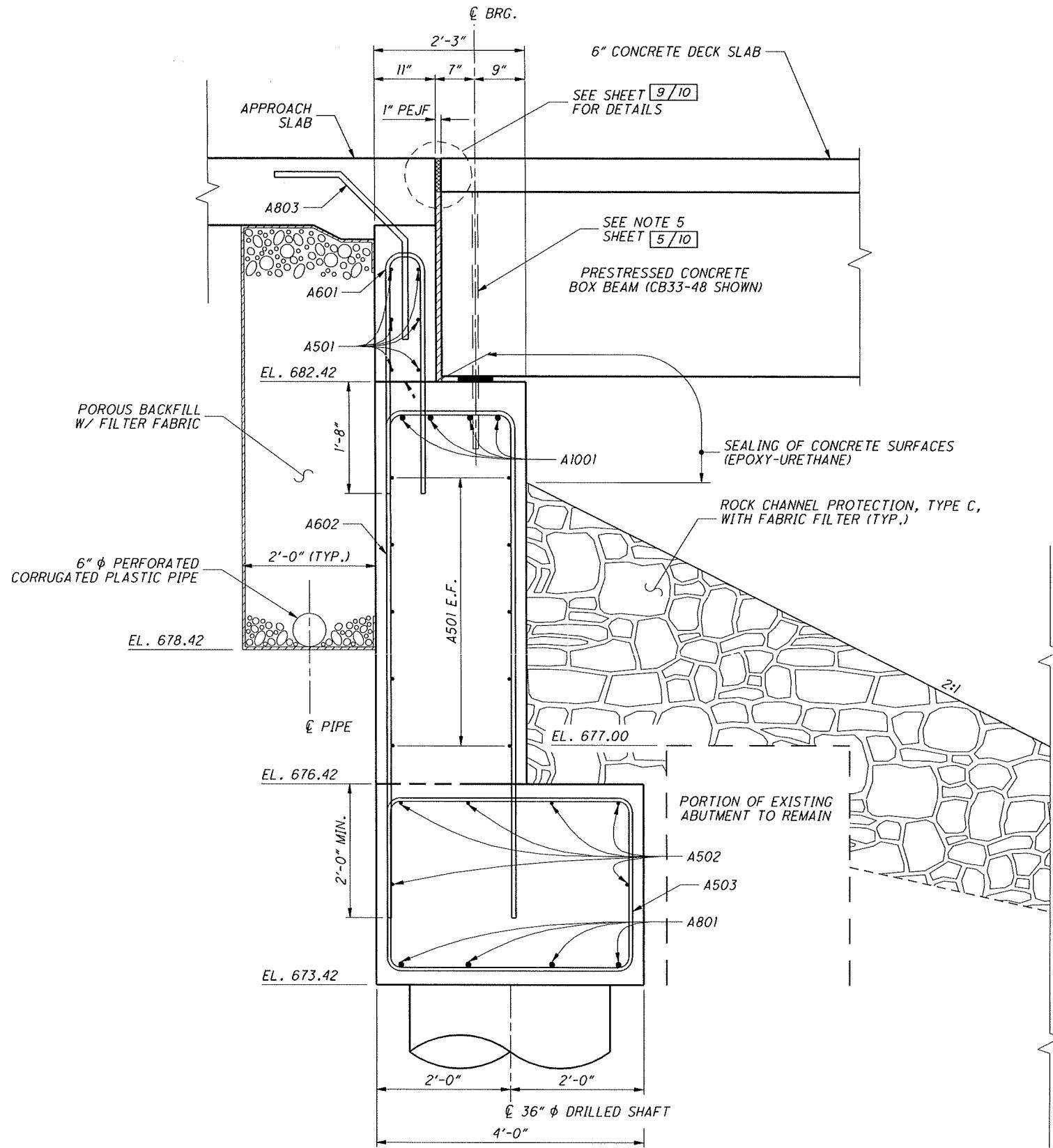


ELEVATION

MUS-C.R. 6-11.85
PID No. 24277

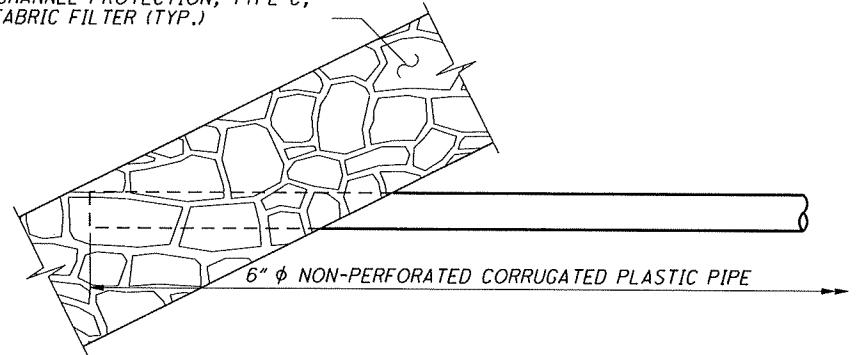
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MUSKINGUM COUNTY
ENGINEER'S OFFICE
155 REIL ROAD
ZANESVILLE, OHIO 43701



TYPICAL ABUTMENT SECTION
AT ℓ OF CONSTRUCTION

ROCK CHANNEL PROTECTION, TYPE C,
WITH FABRIC FILTER (TYP.)



DETAIL A
END TREATMENT OF 6" Ø NON-PERFORATED
CORRUGATED PLASTIC PIPE

LEGEND

C.J. = CONSTRUCTION JOINT
E.F. = EACH FACE
E.O. = EQUAL
F.F. = FAR FACE
N.F. = NEAR FACE
SPA. = SPACING
U.N.O. = UNLESS NOTED OTHERWISE

NOTES

1. BRIDGE SEAT REINFORCING, SETTING ANCHORS: ACCURATELY PLACE REINFORCING STEEL IN THE VICINITY OF THE BRIDGE SEAT TO AVOID INTERFERENCE WITH THE DRILLING OF BEARING ANCHOR HOLES.
2. ABUTMENT CONCRETE: DO NOT PLACE THE ABUTMENT CONCRETE ABOVE THE BRIDGE SEAT CONSTRUCTION JOINT UNTIL THE PRESTRESSED CONCRETE BOX BEAMS HAVE BEEN ERECTED.
3. SEALING OF BEAM SEATS: IF THE BEAM SEATS ARE SEALED WITH AN EPOXY SEALER PRIOR TO SETTING BEARINGS, DO NOT APPLY SEALER TO THE CONCRETE SURFACES UNDER THE PROPOSED BEARING LOCATIONS. IF THESE LOCATIONS ARE SEALED, REMOVE THE SEALER TO THE SATISFACTION OF THE ENGINEER PRIOR TO SETTING THE BEARINGS. THE COUNTY WILL NOT PAY FOR THIS REMOVAL.
4. POROUS BACKFILL WITH FILTER FABRIC, 2 FEET THICK SHALL EXTEND UP TO THE PLANE OF THE SUBGRADE, TO 1 FOOT BELOW THE EMBANKMENT SURFACE, AND LATERALLY TO THE WINGWALLS.
5. SEE STD. DWG. PSBD-1-93 FOR ANCHOR DOWEL DETAILS (EXPANSION FOR BOTH THE REAR AND FORWARD ABUTMENTS).
6. TYPE B WATERPROOFING SHALL BE APPLIED TO ALL BEAM ENDS PER STD. DWG. PSBD-1-93.
7. SEE SHEET 9/10 FOR EXPANSION GAP JOINT FILLER DETAILS AND NOTES.
8. SEE SHEET 3/10 FOR DRILLED SHAFT REINFORCEMENT DETAILS.
9. FLUSH MOUNTER POST LOCATIONS SHALL BE LOCATED BY THE ENGINEER AFTER FIT-UP DIMENSIONS HAVE BEEN VERIFIED.
10. LAP SPLICE LENGTHS:
#5 BAR = 33 INCHES, U.N.O.
#8 BAR = 87 INCHES, U.N.O.

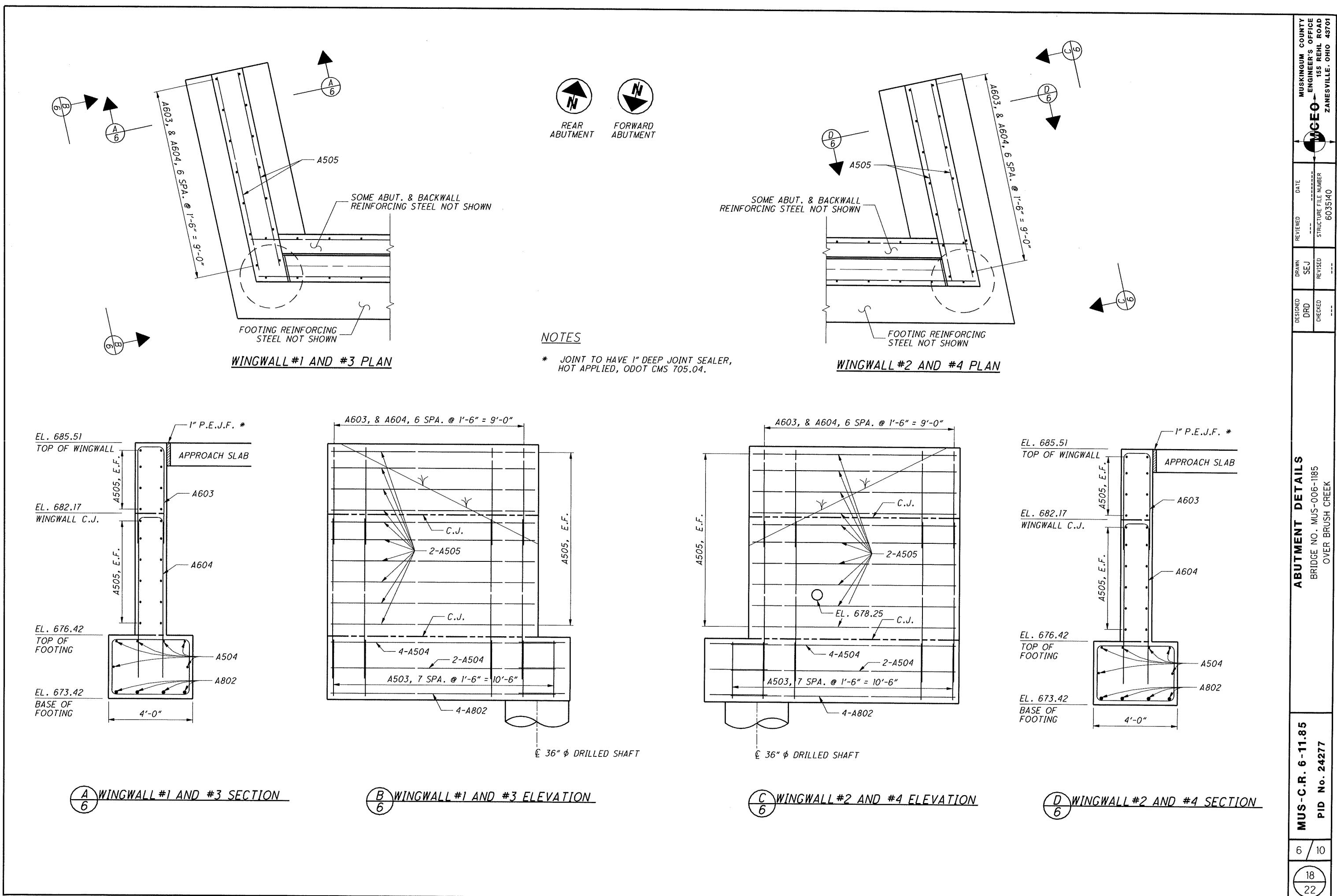
ABUTMENT DETAILS

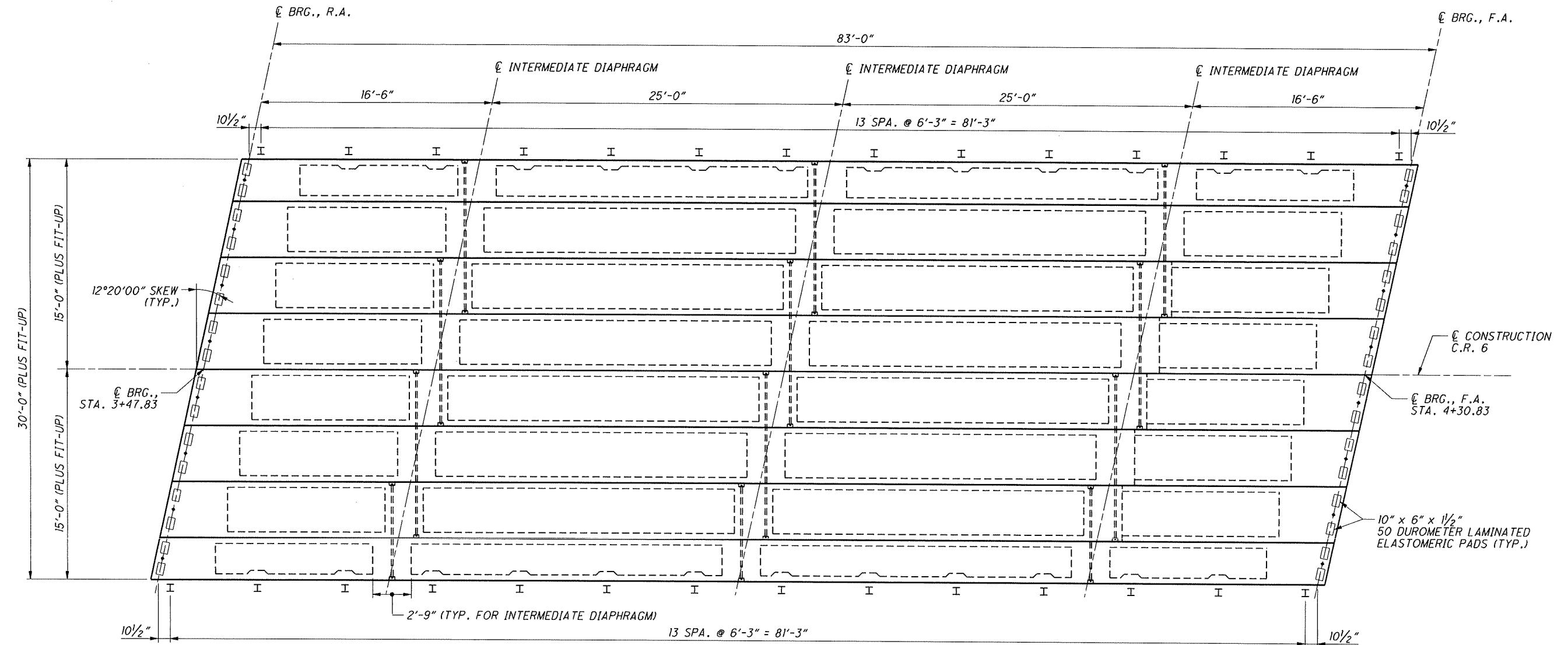
BRIDGE NO. MUS-006-1185
OVER BRUSH CREEK

MUSKINGUM COUNTY
ENGINEER'S OFFICE
155 REIL ROAD
ZANESVILLE, OHIO 43701

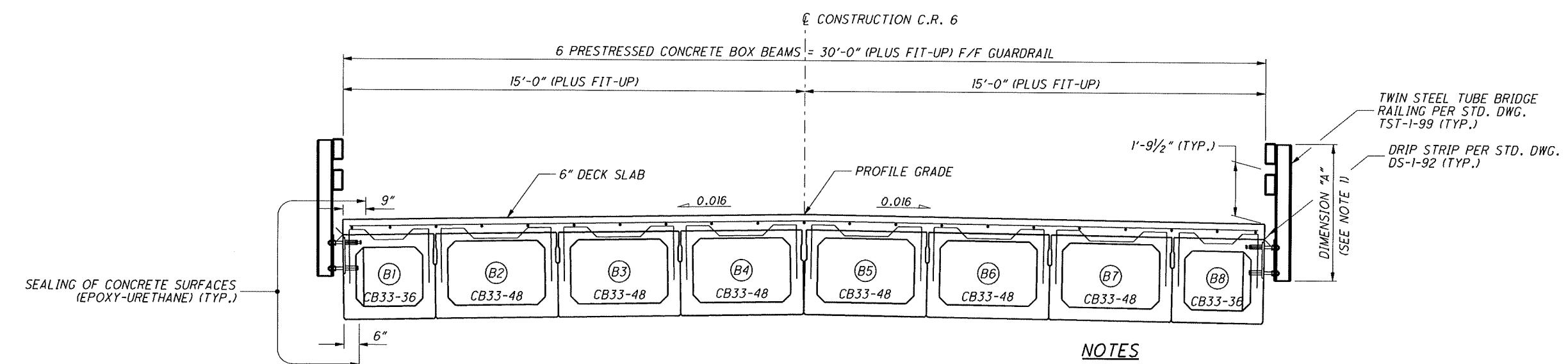
MUS-C.R. 6-11.85
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FRAMING PLAN



TRANSVERSE SECTION

1. DIMENSION "A" SHALL BE EQUAL TO 4'-6", UNLESS SHOWN OTHERWISE IN THE PLANS. REFER TO STD. DWG. TST-1-99 FOR LOCATION OF ANCHOR BOLTS AND TUBING.

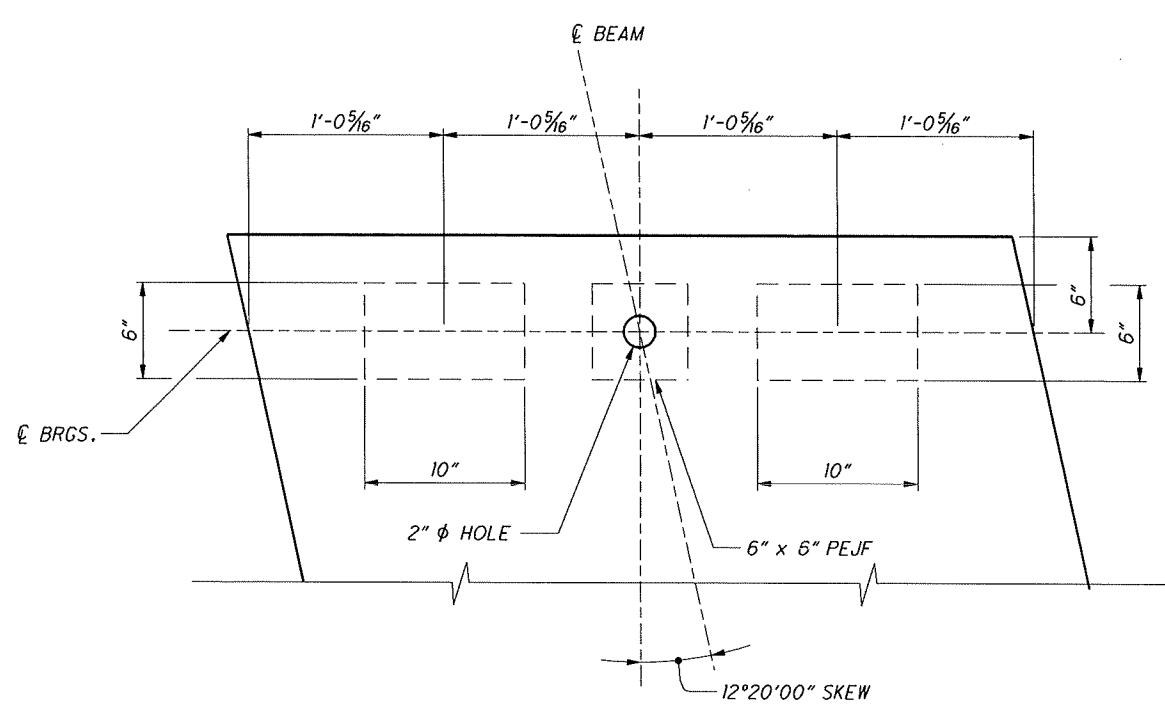
MUS-C.R.6-11.85
PID No. 24277

SUPERSTRUCTURE DETAILS
BRIDGE NO. MUS-006-1185
OVER BRUSH CREEK

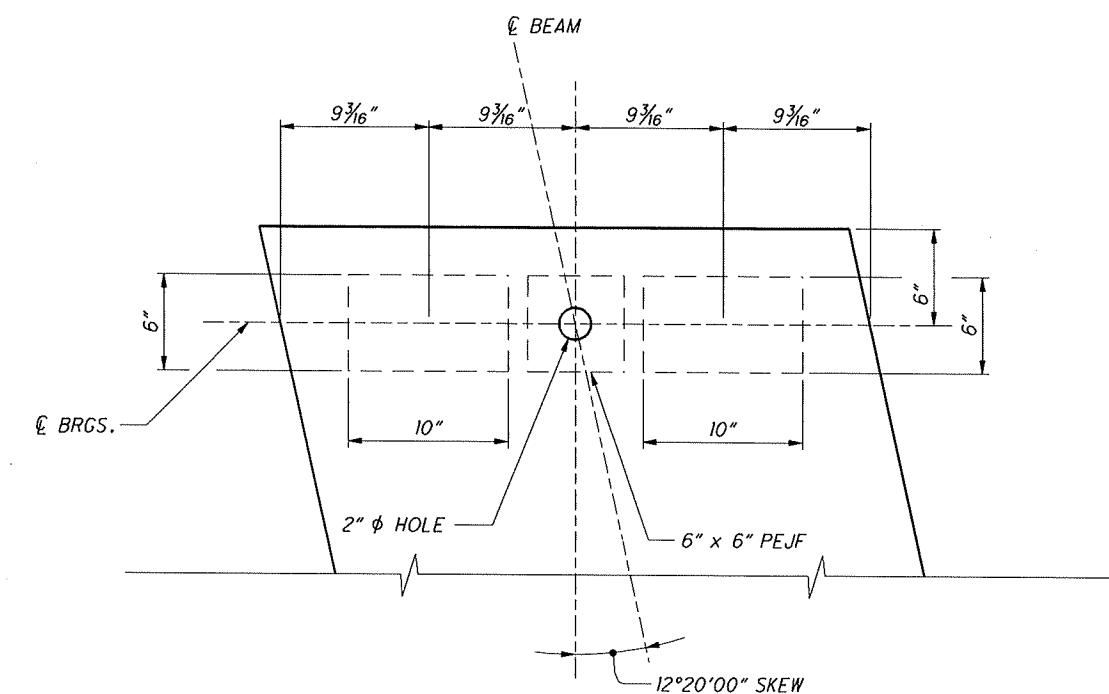
DESIGNED DRAFTED	DRAWN SEJ	REVIEWED REVISED	DATE ---	STRUCTURE FILE NUMBER 6035140
CHECKED ---	---	---	---	---

MUSKINGUM COUNTY
ENGINEER'S OFFICE
155 REHL ROAD
ZANESVILLE, OHIO 43701

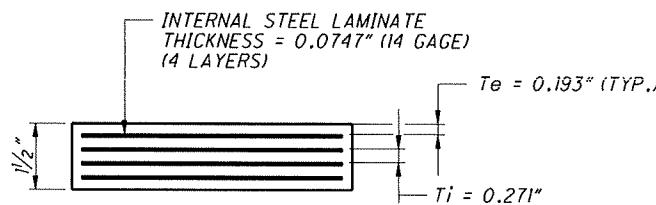
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BEARING PAD LAYOUT (CB33-48)

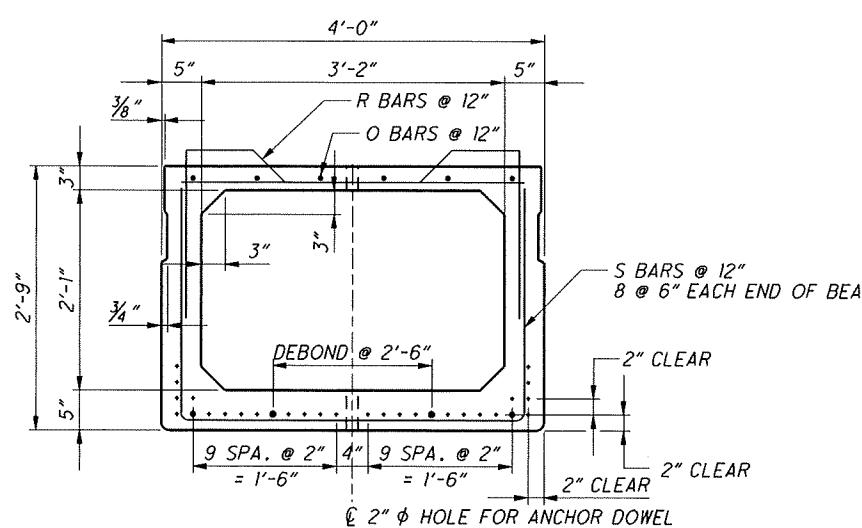


BEARING PAD LAYOUT (CB33-36)



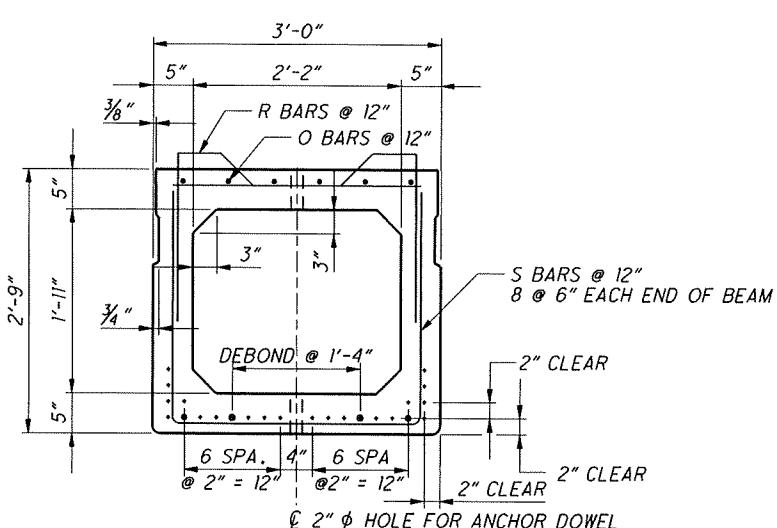
LAMINATED ELASTOMERIC BEARING PAD
10" x 6" x 1 1/2"

DEAD LOAD = 26.50 KIPS
LIVE LOAD = 13.50 KIPS
TOTAL LOAD = 46.00 KIPS

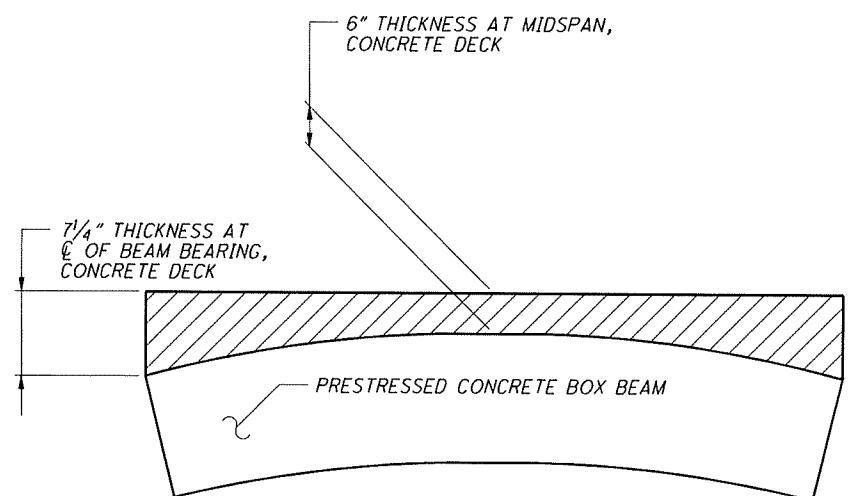


CB33-48

FOR ADDITIONAL DETAILS SEE STD. DWG. PSBD-1-93.



CB33-36



CONCRETE THICKNESS DIAGRAM

NOTES

1. CALCULATED CAMBER AT THE TIME OF RELEASE IS $1\frac{1}{8}$ INCHES.
CALCULATED CAMBER AT THE TIME OF PAVING IS 2 INCHES.
LONG TERM CAMBER IS $3\frac{1}{4}$ INCHES.
CALCULATED DEFLECTION DUE TO DEAD LOAD APPLIED AFTER THE BEAMS ARE SET (WEIGHT OF CONCRETE DECK, RAILINGS, ETC.) IS $\frac{3}{4}$ INCH.
2. THE ELASTOMERIC BEARINGS SHALL HAVE A HARDNESS OF 50 DUROMETER.
THE BEARINGS WERE DESIGNED UNDER DIVISION 1, SECTION 14.6.6 (METHOD A) OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

MUS-C.R. 6-11.85
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ABUTMENT DETAILS
BRIDGE NO. MUS-006-1185
OVER BRUSH CREEK

MUSKINGUM COUNTY
ENGINEER'S OFFICE
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ZANESVILLE, OHIO 43701

ITEM 516 - JOINT SEALER, AS PER PLAN

THIS ITEM WILL BE USED TO SEAL THE EXPANSION/CONTRACTION JOINTS AS PER THESE DETAILS AND THE MANUFACTURER'S REQUIREMENTS USING A HOT APPLIED JOINT SEALER.

MATERIALS:

BINDER:

TYPE: HOT APPLIED JOINT SEALER
 SOFTENING POINT: 180 DEGREES F. MIN.
 FLOW: 3 mm. MAX. AT 140 DEGREES F.
 PENETRATION: 9 mm. MAX. AT 77 DEGREES F.
 1 mm. MIN. AT 0 DEGREES F.
 ASTM D 3407
 DUCTILITY: 40 cm. MIN. ASTM D 113
 RESILIENCE: 60% MIN. AT 77 DEGREES F.
 TENSILE ADHESION: 700% MIN.
 SPECIFIC GRAVITY: 1.10 * 0.05
 POURING TEMP: 350 - 390 DEGREES F.

BACKER ROD:

THE BACKER SHALL BE A CLOSED CELL FOAM EXPANSION JOINT FILLER CAPABLE OF WITHSTANDING THE PLACEMENT TEMPERATURE OF THE BINDER.

NOTE: PRIOR TO PLACEMENT OF ANY PORTION OF THE JOINT SYSTEM, THE PROJECT ENGINEER MUST HAVE APPROVED ALL THE MATERIALS OF THE JOINT SYSTEM.

INSTALLATION PROCEDURES:

SURFACE PREPARATION:

REMOVE ALL MATERIAL, INCLUDING WATER-PROOFING MATERIAL, BETWEEN SLABS. THOROUGHLY CLEAN AND DRY EXPOSED CONCRETE SURFACES USING COMPRESSED AIR AND A HOT COMPRESSED AIR (HCA) LANCE. THE LANCE MUST PRODUCE A FLAME RETARDED AIR STREAM TEMPERATURE OF 3000 DEGREES F. AT VELOCITY OF 3,000 FEET PER SECOND WITH 15 PSIG CHAMBER PRESSURE. IF THERE IS AN INTERRUPTION DUE TO WEATHER OR OTHER CAUSES, THE OPERATION WILL BE REPEATED WITH THE HCA LANCE IMMEDIATELY BEFORE THE BINDER COAT OPERATION.

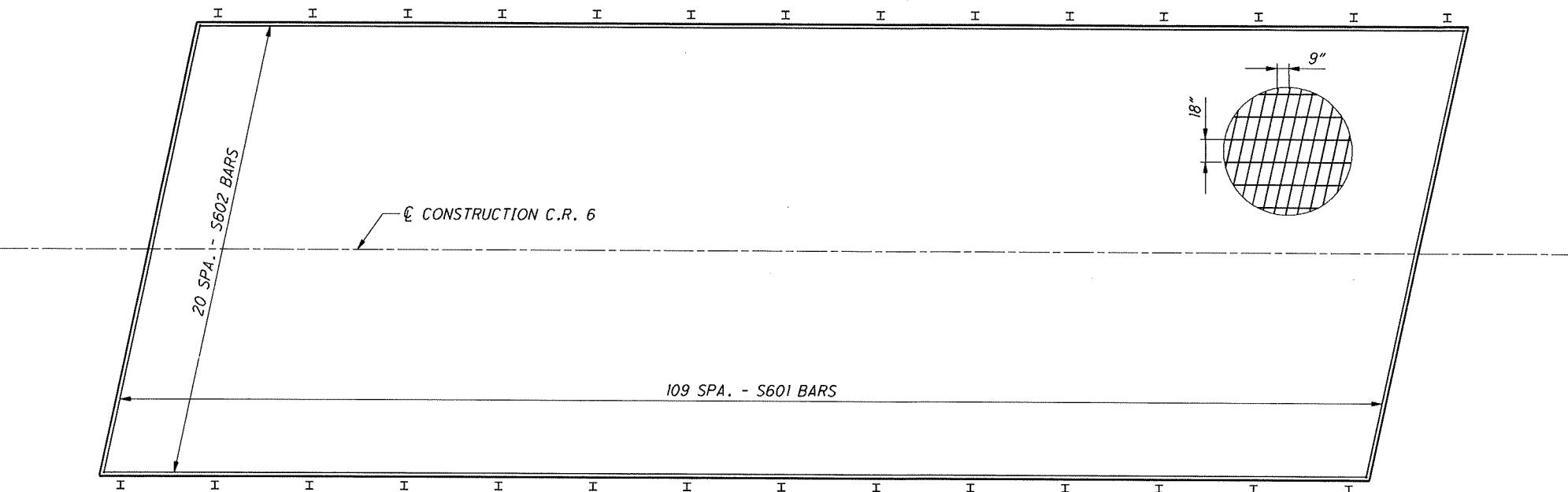
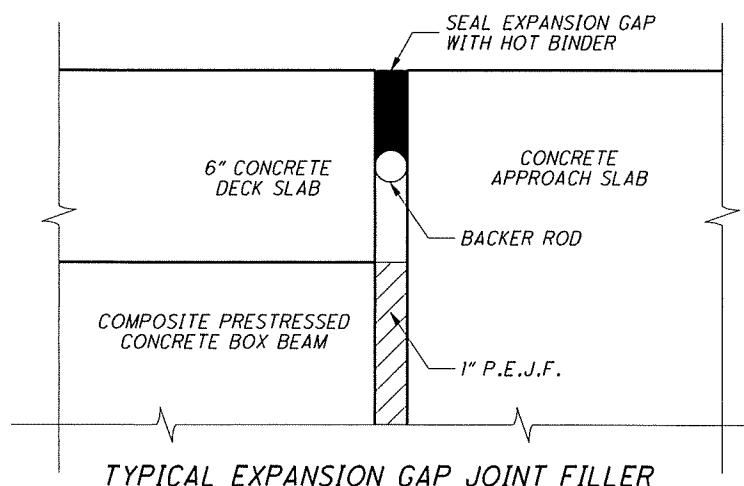
SEALING OF EXPANSION JOINT:

THE EXPANSION JOINT GAP IS TO BE SEALED BY POURING HOT BINDER INTO THE GAP. GAPS OF $\frac{1}{8}$ " OR MORE WILL FIRST BE FILLED WITH AN APPROPRIATELY SIZED BACKER ROD. THE BACKER ROD WILL BE INSTALLED SO THAT IT IS BETWEEN $\frac{1}{8}$ " AND $\frac{1}{8}$ " BELOW THE TOP OF THE EXISTING GAP. THE GAP WILL THEN BE FILLED WITH BINDER.

ONCE THE BACKER ROD IS PLACED, POUR THE HOT BINDER INTO THE EXPANSION GAP. THE BINDER APPLICATION TEMPERATURE WILL BE BETWEEN 350 AND 390 DEGREES F. THE BINDER WILL NOT BE ALLOWED TO BE HEATED ABOVE 410 DEGREES F. NOR ALLOWED TO EXCEED 390 DEGREES F. FOR MORE THAN 1 HOUR. A DOUBLE JACKETED OIL METER WILL BE USED TO HEAT THE BINDER. THE MELTER WILL BE EQUIPPED WITH A CONTINUOUS AGITATION SYSTEM, TEMPERATURE CONTROLS, AND A CALIBRATED THERMOMETER.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT:

THE DEPARTMENT WILL MEASURE THE JOINT BY THE NUMBER OF FEET AND WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE AS: ITEM 516 - JOINT SEALER, AS PER PLAN.



DECK SLAB PLAN

SCREED ELEVATIONS (FEET)						
LOCATION			$\frac{1}{4}$ BRG. REAR ABUT.	0.25 SPAN	0.50 SPAN	0.75 SPAN
LEFT EDGE	15.00' LT	STATION	3+50.63	3+71.64	3+92.64	4+13.65
		ELEVATION	684.92	684.97	685.02	684.97
CROWN	0.00'	STATION	3+47.32	3+68.32	3+89.33	4+10.34
		ELEVATION	685.15	685.20	685.25	685.20
RIGHT EDGE	15.00' RT	STATION	3+44.01	3+65.01	3+86.02	4+07.02
		ELEVATION	684.92	684.97	685.02	684.97
						684.92

NOTES

- SCREED ELEVATIONS SHOWN ARE FOR THE DECK SLAB SURFACE PRIOR TO CONCRETE PLACEMENT. ALLOWANCE HAS BEEN MADE FOR ANTICIPATED, CALCULATED DEAD LOAD DEFLECTIONS.

MUSKINGUM COUNTY ENGINEER'S OFFICE
 155 REIL ROAD
 ZANESVILLE, OHIO 43701

DECK SLAB PLAN
 BRIDGE NO. MUS-006-1185
 OVER BRUSH CREEK

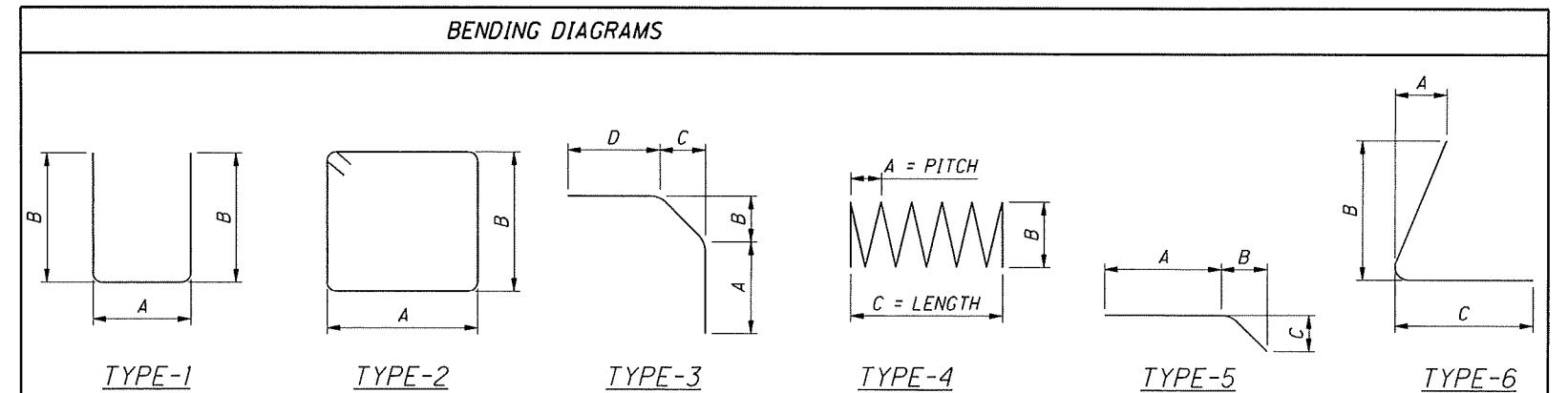
MUS-C.R. 6-11.85
 PID No. 24277

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MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS					
	REAR	FWD	TOTAL				A	B	C	D	INC	
ABUTMENTS												
A501	16	16	32	33'-11"	1132	STR						
A502	6	6	12	36'-5"	456	STR						
A503	39	39	78	12'-1 $\frac{3}{4}$ "	989	2	3'-8"	2'-7"				
A504	12	12	24	10'-8"	267	STR						
A505	40	40	80	9'-4"	779	STR						
A601	23	23	46	7'-4 $\frac{3}{8}$ "	509	1	7"	3'-6"				
A602	23	23	46	16'-8 $\frac{3}{8}$ "	1154	1	1'-11"	7'-6"				
A603	14	14	28	9'-11 $\frac{3}{8}$ "	419	1	1'-2"	4'-6"				
A604	14	14	28	15'-11 $\frac{3}{8}$ "	671	1	1'-2"	7'-6"				
A605	6	6	12	4'-10 $\frac{1}{8}$ "	89	5	2'-4 $\frac{1}{4}$ "	11 $\frac{3}{8}$ "	2'-2 $\frac{1}{8}$ "			
A606	6	6	12	6'-0 $\frac{1}{8}$ "	110	6	5 $\frac{1}{8}$ "	2'-7 $\frac{1}{4}$ "	3'-8"			
A801	4	4	8	33'-11"	725	STR						
A802	8	8	16	10'-8"	456	STR						
A803	23	23	46	3'-10 $\frac{3}{8}$ "	475	3	1'-6"	1'-0"	1'-0"	1'-0"		
A1001	4	4	8	33'-11"	1168	STR						
ABUTMENT TOTAL				9399								

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS					
	REAR	FWD	TOTAL				A	B	C	D	INC	
DRILLED SHAFTS (SEE NOTE 3)												
SP401	4		4	-	792	4	4 $\frac{1}{2}$ "	2'-6"	13'-6"			
SP402		4	4	-	1012	4	4 $\frac{1}{2}$ "	2'-6"	17'-3"			
DS901	48		48	13'-0"	2122	STR						
DS902		48	48	16'-8"	2720	STR						
DRILLED SHAFTS TOTAL				6646								

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS					
	REAR	FWD	TOTAL				A	B	C	D	INC	
SUPERSTRUCTURE												
S601			34	35'-8"	1822	STR						
S602			91	23'-8"	2266	STR						
SUPERSTRUCTURE TOTAL				4088								



NOTES

- ALL REINFORCING STEEL IS TO BE EPOXY COATED.
- THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED, AND THE FIRST TWO DIGITS WHERE FOUR DIGITS ARE USED, INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, A501 IS A NO. 5 BAR. BAR DIMENSIONS SHOWN ARE OUT TO OUT UNLESS OTHERWISE INDICATED.
- PAYMENT FOR DRILLED SHAFT REINFORCING STEEL SHALL BE INCLUDED IN CORRESPONDING ITEMS 524.

REINFORCING STEEL LIST	
MUS-C.R. 6-11.85	DRAWN ORD
PID No. 24277	DRAWN SEJ
10 / 10	REVIEWED ---
10 / 10	STRUCTURE FILE NUMBER 6035140

BRIDGE NO. MUS-006-1185
OVER BRUSH CREEK

MUSKINGUM COUNTY
ENGINEER'S OFFICE
155 REHL ROAD
ZANESVILLE, OHIO 43701

WCEO