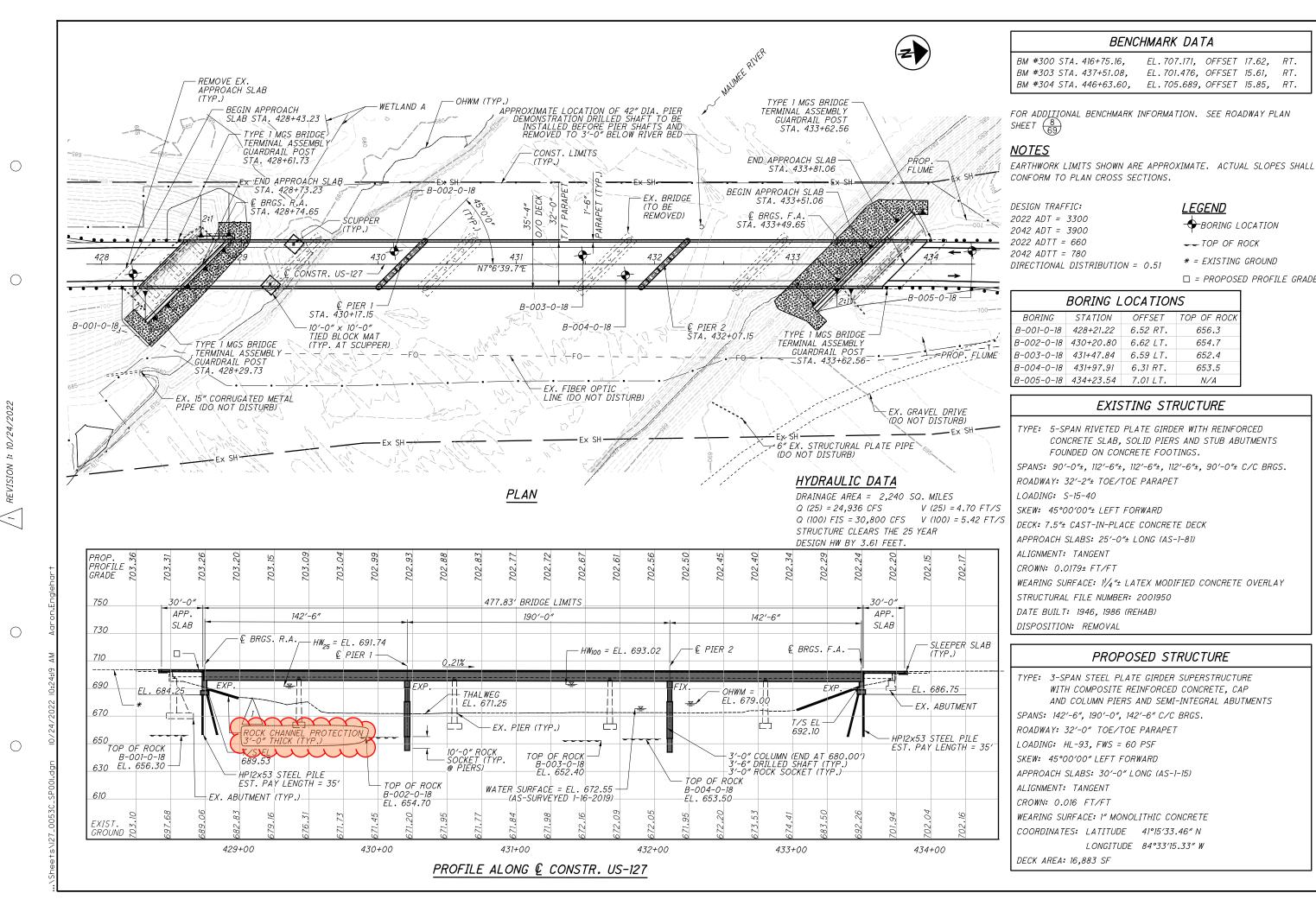
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March 170			STATION T	O STATION	SIDE	CADD GENERATED AREA	GUARDRAIL REMOVED	ASSEMBLY TYPE A	TERMINAL ASSEMBL REMOVED	TIED CONCRETE BLOCK MAT, TYPE I	TIED CONCRETE BLOCK MAT, TYPE 2		ONCRETE	CONDUIT, TYPE	" SHALLOW PIPE	GUARDRAIL, TYPE MGS WITH LONG POSTS, AS PER PLAN			MGS BRIDGE TERMINAL ASSEMBL TYPE 1, AS PER PLAN	CURB, TYPE 4-C		PRECAST REINFORCED CONCRETE OUTLET	SODDING STAKED	CALC
C			FROM	ТО		SF	LF	EA	EA	SY	SY	CY	CY	LF	LF	LF	EA	EA		LF	LF	EA	SY	
	R-1	GP00 - GP00	423+72,22	428+05.58	RT		433	1	1															
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/1 REVISION 1: 10/24/2022

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PLAN SITE

-127-00.53

DEF

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

AND THE FOLL	OWING SUPPLEMENTAL	SPECIFICATION
SICD-2-14	DATED (REVISED)	7/18/2014
SICD-1-96	DATED (REVISED)	7/18/2014
SBR-1-20	DATED (REVISED)	1/17/2020
GSD-1-19	DATED (REVISED)	1/18/2019
EXJ-4-87	DATED (REVISED)	1/19/2018
AS-2-15	DATED (REVISED)	1/18/2019
AS-1-15	DATED (REVISED)	7/17/2015

840 DATED (REVISED) 1/19/2017 863 DATED (REVISED) 10/19/2012

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO THE "AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS", 8TH EDITION, 2017 AND THE ODOT BRIDGE DESIGN MANUAL, 2020, INCLUDING REVISIONS THROUGH JANUARY 2020.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.00 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.

DESIGN LOADING:

HI - 9.3

FUTURE WEARING SURFACE (FWS) OF 0.060 KSF

DESIGN DATA:

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE CLASS QC5 - COMPRESSIVE STRENGTH 4.5 KSI WITH 1 IN. MAX. AGGREGATE SIZE

(DRILLED SHAFT) REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI INCLUDING SPIRAL BARS

STRUCTURAL STEEL - ASTM A709 GRADE 50W YIELD STRENGTH 50 KSI

STEEL H-PILES - ASTM A572 YIELD STRENGTH 50 KSI

DECK PROTECTION METHOD:

EPOXY COATED REINFORCING STEEL 21/2" CONCRETE COVER

MONOLITHIC WEARING SURFACE:

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

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

FOLLOW CMS 202 EXCEPT AS NOTED, REMOVE THE PIERS TO 1 FOOT BELOW THE CURRENT RIVERBED ELEVATION. REMOVE THE ABUTMENTS TO THE GREATER OF 1 FOOT BELOW FINISHED GRADE OR AS REQUIRED FOR GEOGRID REINFORCING.

ITEM 511. CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS. AS PER PLAN:

FOLLOW CMS 511 EXCEPT INCLUDE THE COST OF THE WEBWALLS WITH ITEM 511. THIS SHALL INCLUDE ALL NECESSARY WORK, AND MATERIALS, EXCEPT FOR EPOXY COATED REINFORCING STEEL, TO FURNISH AND CONSTRUCT THE WEBWALLS. THIS INCLUDES. BUT MAY NOT BE LIMITED TO, COSTS ASSOCIATED WITH DEWATERING, EXCAVATION AND FILL, TEMPORARY FORMS, SEDIMENT CONTROL, AND REMOVAL OF SPOILS AND TAINTED CONCRETE.

ITEM 513, STRUCTURAL STEEL MEMBERS, LEVEL 4, AS PER PLAN:

WELD DRIP PLATES NEAR THE GIRDER ENDS AS SHOWN ON THE GIRDER DETAILS SHEETS.

SHOP PAINT THE GIRDER ENDS, CROSS FRAMES, ETC. WITHIN THE AREAS DESCRIBED ON THE TRANSVERSE SECTION SHEET. ACCORDING TO THE "PARTIAL PAINTING OF A709 GRADE 50W STEEL" NOTE. USE A 3 COAT PAINT SYSTEM CONSISTING OF AN INORGANIC ZINC PRIME COAT, AN EPOXY INTERMEDIATE COAT AND A URETHANE FINISH COAT (FORMERLY CALLED SYSTEM IZEU).

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER POUND FOR ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL 4, AS PER PLAN, WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 524 - DRILLED SHAFTS, MISC: DEMONSTRATION DRILLED SHAFT:

PART 1: DESCRIPTION

THIS WORK CONSISTS OF ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS TO CONSTRUCT A DEMONSTRATION DRILLED SHAFT FOR TESTING AND EVALUATION TO VERIFY THE PROPOSED CONSTRUCTION METHODS FOR THE PRODUCTION

COMPLETE THE INSTALLATION OF THE DEMONSTRATION DRILLED SHAFTS 30 DAYS OR MORE BEFORE INSTALLATION OF PRODUCTION DRILLED SHAFTS BEGINS. THE DEPARTMENT WILL CONSIDER THE DEMONSTRATION DRILLED SHAFT COMPLETE AFTER RECEIVING WRITTEN ACCEPTANCE FROM THE ENGINEER.

PART 2: MATERIALS

THE DEMONSTRATION DRILLED SHAFT SHALL USE THE SAME CONCRETE MIX DESIGN AND STEEL REINFORCEMENT AS THE PRODUCTION DRILLED SHAFTS.

PART 3: EXECUTION

SUBMIT A DRILLED SHAFT INSTALLATION PLAN TO THE ENGINEER FOR ACCEPTANCE IN ACCORDANCE WITH THE REQUIREMENTS OF C&MS 524.03. CONSTRUCT AT LEAST ONE DEMONSTRATION DRILLED SHAFT IN THE AREA SHOWN IN THE PLANS AND IN ACCORDANCE WITH THE ACCEPTED WRITTEN INSTALLATION. UPON CONSTRUCTION OF THE DEMONSTRATION. DRILLED SHAFT, AND RECEIPT OF TESTING AND EVALUATION RESULTS CONFIRMING THE DEMONSTRATION DRILLED SHAFT HAS BEEN INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE ENGINEER WILL ISSUE A LETTER ACCEPTING THE INSTALLATION PLAN FOR THE CONSTRUCTION OF THE SUBSEQUENT PRODUCTION DRILLED SHAFTS. IF MODIFICATIONS TO THE INSTALLATION PLAN ARE MADE, WHETHER DUE TO THE TESTING AND EVALUATION RESULTS OR FOR OTHER REASON, THE DEPARTMENT WILL REQUIRE CONSTRUCTION OF AN ADDITIONAL DEMONSTRATION SHAFT CONSTRUCTED IN ACCORDANCE WITH THE MODIFIED INSTALLATION PLAN, AT NO ADDITIONAL COST. THE DIAMETER, LENGTH, REINFORCING, INSTALLATIONS METHODS, AND OTHER MISCELLANEOUS DETAILS OF THE DEMONSTRATION SHAFT SHALL BE THE SAME AS THE PRODUCTION DRILLED SHAFTS. SUBMIT THE LOCATION OF THE DEMONSTRATION SHAFT TO THE ENGINEER FOR ACCEPTANCE. LOCATE THE DEMONSTRATION DRILLED SHAFT SUCH THAT NO INTERFERENCE OCCURS WITH THE FOUNDATIONS OF EXISTING OR PROPOSED STRUCTURES, THE PROPOSED MAINTENANCE OF TRAFFIC, OR EXISTING OR PROPOSED UTILITIES. TEST THE DEMONSTRATION DRILLED SHAFT BY THERMAL INTEGRITY PROFILING (TIP) ACCORDING TO ASTM D7949, METHOD B.

PART 4: MEASUREMENT AND PAYMENT

THE DEPARTMENT WILL MEASURE DEMONSTRATION DRILLED SHAFT BY THE NUMBER OF FEET, MEASURED ALONG THE AXIS OF THE DRILLED SHAFT FROM THE REQUIRED BOTTOM ELEVATION OF THE SHAFT TO THE PROPOSED TOP PLAN ELEVATION.

IN ADDITION TO THE PROVISIONS OF C&MS 524.17, THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES OF DEMONSTRATION DRILLED SHAFT AFTER INSTALLATION OF THE DEMONSTRATION SHAFT AND AFTER BEING PROVIDED WITH WRITTEN TESTING AND EVALUATION RESULTS ACCEPTABLE TO THE ENGINEER.

THE CONTRACT PRICE IS FULL COMPENSATION FOR FURNISHING AND INSTALLING DRILLED SHAFTS IN ACCORDANCE WITH THE ABOVE REQUIREMENTS, INCLUDING MOBILIZATION, SITE ACCESS, AND FINAL REMOVAL OF THE SHAFT TO 36 INCHES BELOW FINAL GRADE.

THE DEPARTMENT WILL PAY FOR TESTING AND EVALUATION OF THE ACCEPTED DEMONSTRATION SHAFT SEPARATELY. THE DEPARTMENT WILL NOT PAY FOR TESTING AND EVALUATION OF ADDITIONAL DEMONSTRATION DRILLED SHAFTS.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE AS FOLLOWS: ITEM 524 - DRILLED SHAFTS, MISC: DEMONSTRATION DRILLED

DRILLED SHAFTS:

THE MAXIMUM FACTORED LOAD TO BE SUPPORTED BY EACH DRILLED SHAFT IS 1,239 KIPS AT THE PIERS. THIS LOAD IS RESISTED BY SIDE RESISTANCE WITHIN A PORTION OF THE BEDROCK SOCKET AND ALSO BY TIP RESISTANCE. THE FACTORED RESISTANCE DEVELOPED BY SIDE RESISTANCE IS 589 KIPS, ASSUMED TO ACT ALONG THE BOTTOM 8 FEET OF THE BEDROCK SOCKET FOR THE PIERS. THE FACTORED RESISTANCE PROVIDED BY THE DRILLED SHAFT TIP IS 5089

THE MAXIMUM FACTORED LATERAL LOAD AND BENDING MOMENT TO BE SUPPORTED BY EACH DRILLED SHAFT ARE 41.5 KIPS AND 560 KIP-FEET, RESPECTIVELY, THESE LOADS PRODUCE A MAXIMUM FACTORED BENDING MOMENT OF 1,558 KIP-FEET, AND A MAXIMUM FACTORED SHEAR OF 195 KIPS, WITHIN THE DRILLED SHAFT.

DECK PLACEMENT ASSUMPTIONS:

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS OF AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.48 KIPS.

A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103".

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE SAFETY HANDRAIL OF 65"

PILES DRIVEN TO BEDROCK:

DRIVE REAR ABUTMENT PILES TO REFUSAL ON BEDROCK. THE DEPARTMENT WILL CONSIDER REFUSAL TO BE OBTAINED WHEN THE PILE PENETRATION IS AN INCH OR LESS AFTER RECEIVING AT LEAST 20 BLOWS FROM THE PILE HAMMER. SELECT THE HAMMER SIZE TO ACHIEVE THE REQUIRED DEPTH TO BEDROCK AND REFUSAL.

THE TOTAL FACTORED LOAD IS 92.7 KIP PER PILE FOR THE REAR ABUTMENT PILES.

REAR ABUTMENT PILES:

HP12x53 PILES 40 FEET LONG, ORDER LENGTH

PILES DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE (UBV) IS 166.3 KIPS PER PILE FOR THE FORWARD ABUTMENT PILES. THE UBV FOR THE FORWARD ABUTMENT PILES INCLUDES AN ADDITIONAL 33.9 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 13.08 FT OF FRICTIONAL RESISTANCE DUE TO SCOUR, DRIVE THE FORWARD ABUTMENT PILES TO UBV OR A TIP ELEVATION OF 655. WHICHEVER IS DEEPER.

FORWARD ABUTMENT PILES:

HP12x53 PILES 40 FEET LONG, ORDER LENGTH 1 DYNAMIC LOAD TESTING ITEM

STEEL PILE POINTS:

USE STEEL PILE POINTS TO PROTECT THE TIPS OF THE STEEL H-PILES AT FORWARD AND REAR ABUTMENTS.

PILE DRIVING:

THE MINIMUM RATED ENERGY OF THE HAMMER USED TO INSTALL THE PILES SHALL BE 42,000 FOOT-POUNDS. ENSURE THE STRESSES IN THE PILES DURING DRIVING DO NOT EXCEED 45.000 POUNDS PER SQUARE INCH.

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GENERAL
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NOTES

F.S. = FIELD SPLICE

KSF = KIPS PER SQUARE FOOT

KSI = KIPS PER SQUARE INCH LT. = LEFT

N.F. = NEAR FACE

OHWM = ORDINARY HIGH WATER MARK

O/O = OUT-TO-OUTPEJF = PREFORMED EXPANSION JOINT FILLER

PSF = POUNDS PER SQUARE FOOT

REQ'D = REQUIRED RT. = RIGHT

SPA. = SPACES STD. = STANDARD

T/S = TOP OF SLOPE T/T = TOE-TO-TOE

U.N.O. = UNLESS NOTED OTHERWISE

ABBREVIATIONS:

ITEM 524 - DRILLED SHAFTS, MISC: THERMAL INTEGRITY

PERFORM INTEGRITY TESTING ON ONE DRILLED SHAFT AT

SHAFT BY THERMAL INTEGRITY PROFILING (TIP). PERFORM TIP TESTING PER ASTM D7949, "STANDARD TEST METHODS

PIER 1 AND 2 AS WELL AS THE DEMONSTRATION DRILLED

FOR THERMAL INTEGRITY PROFILING OF CONCRETE DEEP

TEMPORARY CAUSEWAY

FOLLOWING ITEM:

PLAN (LUMP SUM)

FOUNDATIONS," METHOD B, AND PER THE PROJECT SPECIAL

THE TEMPORARY CAUSEWAY IS TO CONFORM TO ITEM 503

AND THE SPECIAL PROVISIONS OF THE WATERWAY PERMIT.

INSTALLATION, MAINTENANCE AND REMOVAL OF THE

PAYMENT FOR CAUSEWAY CONSTRUCTION MATERIALS AND THE

CAUSEWAY INCLUDING ALL NECESSARY PROTECTION OF THE

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER

EXISTING FIBER OPTIC LINE SHALL BE PAID THROUGH THE

PROFILER (T.I.P.) WIRE CABLE TESTING OF DRILLED SHAFTS:

THE FOLLOWING ABBREVIATIONS HAVE BEEN USED THROUGHOUT THESE PLANS TO INDICATE THE DESIGNATIONS CONTAINED IN THE LEGEND BELOW:

ABUT. = ABUTMENT

ADT = AVERAGE DAILY TRAFFIC

ADTT = AVERAGE DAILY TRUCK TRAFFIC

APP. = APPROACH BRGS. = BEARINGS

C/C = CENTER-TO-CENTER

C.J. = CONSTRUCTION JOINT

CLR. = CLEAR

CMS = CONSTRUCTION & MATERIALS SPECIFICATIONS

CONST. = CONSTRUCTION

CY = CUBIC YARDDIA. = DIAMETER

EA = EACH

E.F. = EACH FACE EL. = ELEVATION

EQ. = EQUAL

EX. = EXISTING F.A. = FORWARD ABUTMENT

FF = FRONT FACE

F/F = FACE-TO-FACE

F.F. = FAR FACE

FIS = FLOOD INSURANCE STUDY

FWD. = FORWARD

FWS = FUTURE WEARING SURFACE

GFRP = GLASS FIBER REINFORCED POLYMER

HW = HEADWATER

KIPS = KILOPOUNDS

MAX. = MAXIMUM

MIN. = MINIMUM

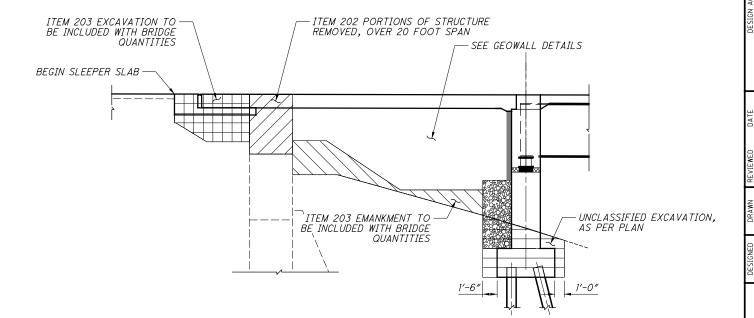
PROP. = PROPOSED

R.A. = REAR ABUTMENT

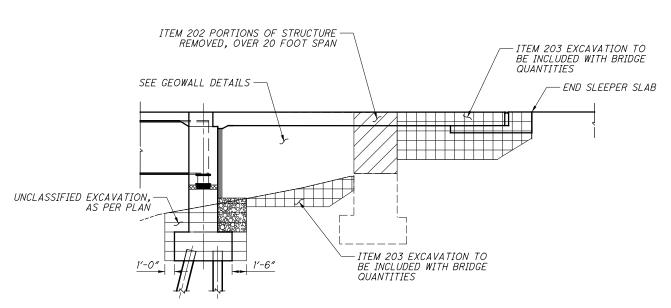
SER. = SERIES

STA. = STATION

TYP. = TYPICAL



REAR ABUTMENT LIMITS OF EXCAVATION AND FILL



FORWARD ABUTMENT LIMITS OF EXCAVATION AND FILL

NOTES:

FOR GEOWALL SECTION & DETAILS AND ADDITIONAL GEOWALL NOTES, SEE SHEET [18/38].

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ESTIMATED QUANTITIES

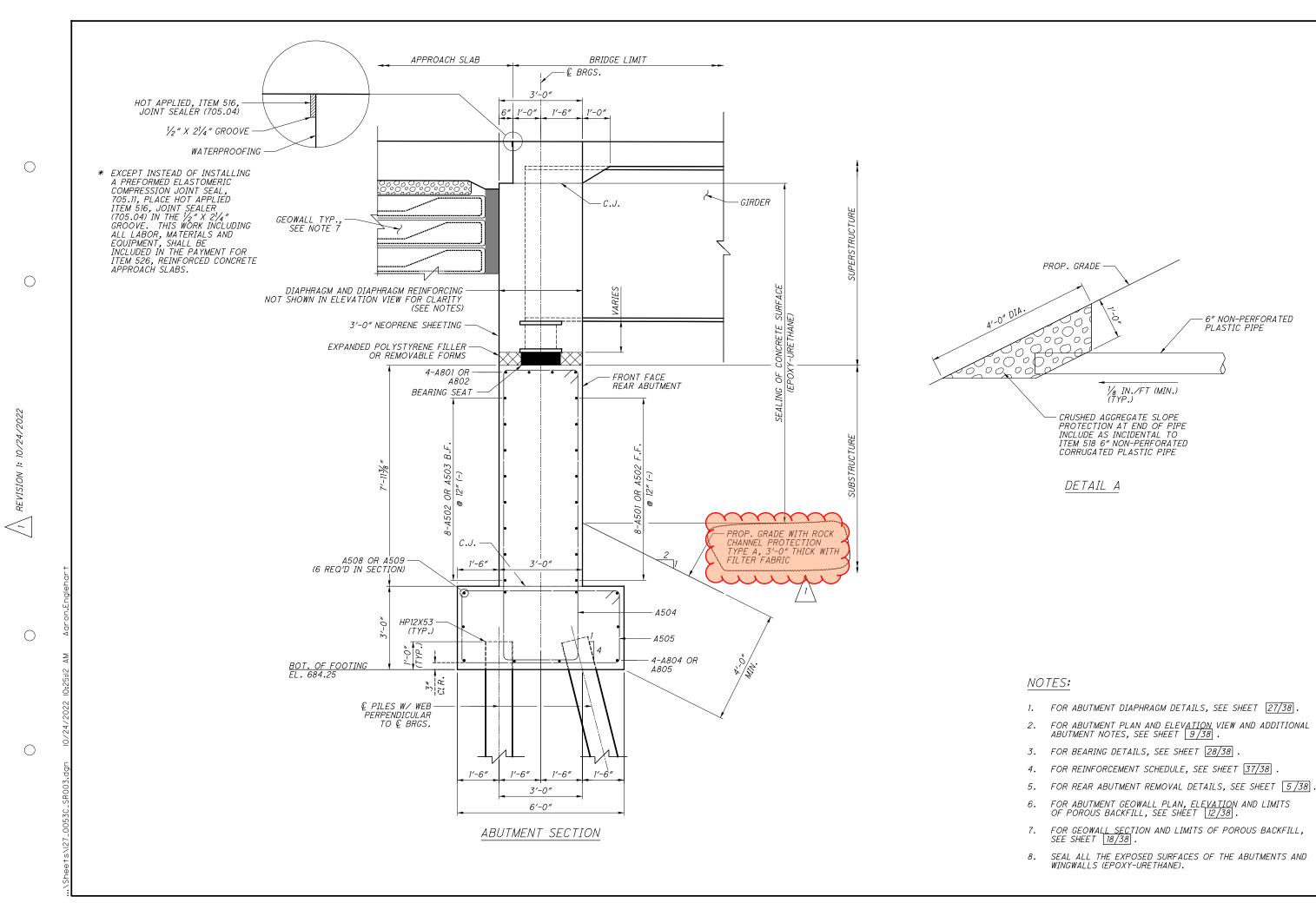
DEF-127-0053

US-127 OVER MAUMEE RIVER

DEF-127-00 PID No. 1026

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TEM NO.	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN	SEE SHEET N
202	11003	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	5 / 38
202	22900	198	SY	APPROACH SLAB REMOVED	+			198	1 37 30
202	23500	2111	SY	WEARING COURSE REMOVED	+			2111	+
203	10000	252	CY	EXCAVATION	252			2777	+
203	20000	330	CY	EMBANKMENT	330				
204	30010	78	CY	GRANULAR MATERIAL, TYPE B	78				
204	50000	694	SY	GEOTEXTILE FABRIC	694				
503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	LS				3 / 38
503	21100	245	CY	UNCLASSIFIED EXCAVATION	245				
505	11100	LS		PILE DRIVING EQUIPMENT MOBILIZATION	LS				
507	00200	2760	FT	STEEL PILES HP12X53, FURNISHED	2760				
507	00250	2415	FT	STEEL PILES HP12X53, DRIVEN	2415				
507	93300	69		STEEL POINTS OR SHOES	69	40054	107700		+
509	10000	237523	LB	EPOXY COATED REINFORCING STEEL	31109	42654	163760		+
509	30030	4116	FT	NO. 5 GFRP DEFORMED BARS	+	 	4116		+
509	30040	7592	FT	NO. 6 GFRP DEFORMED BARS			7592		+
511	33500	1592		SEMI-INTEGRAL DIAPHRAGM GUIDE	2		1332		+
511	34446	556	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			556		+
511	34448	163	CY	CLASS QC2 CONCRETE. BRIDGE DECK (PARAPET)			163		+
511	41011	167	CY	CLASS QCI CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN		167	105		2/38
011	11011	101	01	The state of the s		101			2,30
511	43512	306	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	306				+
512	10100	1663	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				1663	
513	10280	894000	LB	STRUCTURAL STEEL MEMBERS, LEVEL 4			894000	,,,,,	-
513	20000	8430	EACH	WELDED STUD SHEAR CONNECTORS			8430		
516	11210	46	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL				46	
516	11211	46	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN				46	36/38
516	13600	17	SF	I" PREFORMED EXPANSION JOINT FILLER	17				
516	13900	141	SF	2" PREFORMED EXPANSION JOINT FILLER	141				
516	14020	131	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	131				
516	44100	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 20.5"x24"x2.982"			10		
516	44400	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 17"x17"x5.565"			10		
518	12200	4	EACH	SCUPPERS, INCLUDING SUPPORTS			4		
518	21200	119	CY	POROUS BACKFILL WITH FILTER FABRIC	119				+
518	40000	190	FT	6" PERFORATED CORRUGATED PLASTIC PIPE				190	+
518	40010	70	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	1			70	+
523	20000	1,	EACU	DYNAMIC LOAD TESTING				1	+
		1 00		DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK	+	80		/	+
524 524	94704 94802	208	FT FT	DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK		80 208			+
524	95000	36	FT	DRILLED SHAFTS, MISC.: DEMONSTRATION DRILLED SHAFT	1	36			+
524		30	FACH	DRILLED SHAFTS, MISC; THERMAL INTEGRILY PROFILED AT J.R. WIRE CABLE JESTING OF DRILLED SHAFTS					
4-4 Y	······································		Υ, °Υ	August 12 into the internal to	Y Y Y Y	Y Y Y	Y Y Y Y	Y Y Y Y	Y Y Y Y
826		238	CAN TO	REINFORCED CONCRETE ARPROACH SLABS (P-177), AS PER PLAN				1 238	10815736
526	90031	100	FT	TYPE C INSTALLATION, AS PER PLAN				100	36/38
840	23000	484	CY	SELECT GRANULAR BACKFILL	484				
	·								
863	00100	2614	SY	GEOGRID, TYPE P1	26142				
		1	1			1	1	1	1



DETAIL!

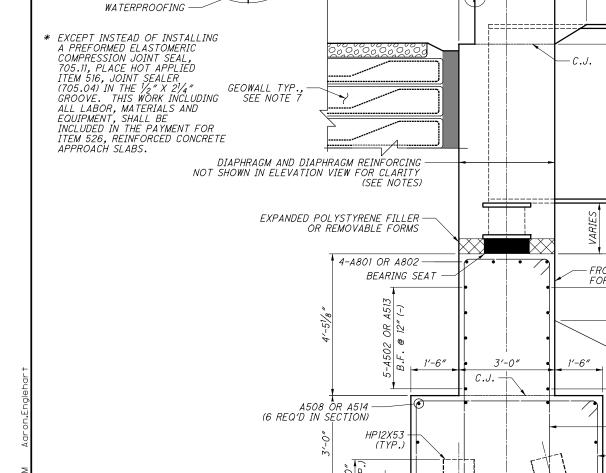
ENT SECTION & I DEF-127-0053 OVER MAUMEE RIVER

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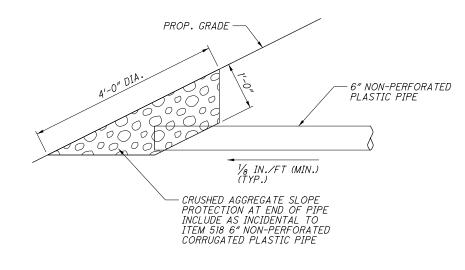


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HOT APPLIED, ITEM 516, JOINT SEALER (705.04)

1/2" X 21/4" GROOVE



DETAIL A

NOTES:

- 1. FOR ABUTMENT DIAPHRAGM DETAILS, SEE SHEET 26/38
- 2. FOR ABUTMENT PLAN AND ELEVATION VIEW AND ADDITIONAL ABUTMENT NOTES, SEE SHEET $\boxed{14/38}$.
- 3. FOR BEARING DETAILS, SEE SHEET 28/38
- 4. FOR REINFORCEMENT SCHEDULE, SEE SHEET 37/38
- 5. FOR FORWARD ABUTMENT REMOVAL DETAILS, SEE SHEET 5/38
- FOR FORWARD ABUTMENT GEOWALL PLAN AND ELEVATION AND LIMITS OF POROUS BACKFILL, SEE SHEET $\boxed{17/38}$. 6.
- 7. FOR GEOWALL SECTION AND DETAILS, SEE SHEET 18/38
- SEAL ALL THE EXPOSED SURFACES OF THE ABUTMENTS AND WINGWALLS (EPOXY-URETHANE).

GIRDER -FRONT FACE FORWARD ABUTMENT - PROP. GRADE WITH ROCK CHANNEL PROTECTION TYPE A, 3'-0" THICK WITH FILTER FABRIC A511 A505 4-A804 BOT. OF FOOTING EL. 686.75 OR A807 © PILES W∕ WEB-PERPENDICULAR TO © BRGS.

1'-6"

1'-6"

6'-0"

ABUTMENT SECTION

1'-6"

APPROACH SLAB

BRIDGE LIMIT

- *€ BRGS*.

6" 1'-0" 1'-6"

∞

SECTION

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