MUS-376-5.09 MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/20/2023 TIME: 10:56:53 AM USER: jslifka O:\District05\Muskingum\115989\401-Engineering_FokEng\R\W\Sheets\115989_RL001.dgm

Standard Highway Ease.(Pr) standard Highway Ease.(Ex)

-Ex SH-

- TMP-- FS- Ex R/W-

Temporary Right of Way

Center Line Fence Line (Ex)

Corporation Line Section Line Township Line County Line

OHIO811, 8-1-1, or 1-800-362-2764 (Non members must be called directly)

CONVENTIONAL SYMBOLS

Right of Way (Ex)

light of Way (Pr)

Guardrail (Ex) Construction Limits

þ þ d d

ਰ (Pr) * * * * 윽

Fire Hydrant (Ex) 💍 , Water Meter (Ex) 🕮 Water Valve (Ex) . Utility Valve Unknow

Light (Ex) 章, Telephone Marker (Ex) →TEL

Water Valve (Ex) \oplus , Utility Valve Unknown (Ex.) \oplus Telephone Pole (Ex) $\not \overline{\phi}$, Power Pole (Ex) $\not \overline{\phi}$

Wetland (Pr) ${}^{\sim}$, Grass (Pr) ${}^{\sim}$, Aerial Target Post (Ex) ${}^{\sim}$, Mailbox (Ex) ${}^{\sim}$, Mailbox (Pr) ${}^{\sim}$

Ex U

dge of Pavement (Ex)

Railroad Jtility Ease. (Ex) Channel Ease. (Pr)

UNDERGROUND UTILITIES

Contact Two Working Days

Before You Dig STATE ROUTES __ OTHER ROADS ___ COUNTY & TOWNSHIP ROADS FEDERAL ROUTES _____ INTERSTATE HIGHWAY___ PORTION TO BE IMPROVED ... LATITUDE: 39°48'11" LONGITUDE: 081°53'24" LOCATION MAP 2 END ACQUISITION STA. 1306+28.85 SLM 5.30 BEGIN ACQUISITION STA. 1295+00.00 SLM 5.08

MUS-376-5.09 LEGEND SHEET RIGHT OF NAY

CONGRESS LANDS EAST OF SCIOTO RIVER SECTION 20, TOWNSHIP 12, RANGE 12 MUSKINGUM COUNTY **BLUE ROCK TOWNSHIP**

> FIELD REVIEWER: FRANKLIN D. SNYDER, JR., PS R/W REVIEWER: FRANKLIN D. SNYDER, JR., PS R/W DESIGNER: JOSEPH P. SLIFKA, JR., PE FIRM NAME : THOMAS FOK & ASSOCIATES, INC.

PRELIMINARY FIELD REVIEW DATE:

03/29/2023

PLANS PREPARED BY:

TYPES OF TITLE LEGEND; WD = WARRANTY DEED T = TEMPORARY EASEMENT

OUT-BUILDING COMMERCIAL RESIDENTIAL

REMEDIATION OF ROCK CUT SLOPE THAT IMPROVES SLOPE STABILITY

STRUCTURE KEY

PROJECT DESCRIPTION

OWNERSHIP UPDATED BY:

DATE COMPLETED:

INDEX OF RW. SHEETS.

SUMMARY OF ADDITIONAL R/W PROPERTY MAP MONUMENTATION TABLE CENTERLINE PLAT DETAIL SHEET RW.1 RW.2 RW.5 RW.4 RW.3 RW.6 - RW.7

Ownership Hook Symbol $\mathbb Z$, Property Line Symbol $\mathcal E$, Tree Line (Ex) Ditch / Creek (Pr) Ditch / Creek (Ex) Edge of Shoulder (Pr) Edge of Shoulder (Ex) Example

, FRANKLIN D. SNYDER, JR., P.S. HAVE CONDUCTED A SURVEY OF THE EXISTING CONDITIONS FOR THE OHIO DEPARTMENT OF TRANSPORTATION BEGINNING IN AUGUST 2022. THE RESULTS OF THAT SURVEY ARE CONTAINED HEREIN.

UNDERGROUND UTILITY LOCATIONS ARE SHOWN FOR INFORMATION PURPOSES ONLY. THOUGH THEY ARE BELIEVED TO BE ACCURATE, THE LOCATION AS MARKED ON THE GROUND BY THE UTILITY COMPANY AND SUBSEQUENTLY SURVEYED AS PART OF THIS PROJECT OR AS DEPICTED IN ACCORDANCE WITH PLANS RECEIVED FROM THE UTILITY COMPANY. ALL OF THE MARKINGS OR PLANS WERE IN ACCORDANCE WITH O.U.P.S. TICKETS A223702928-00A AND A224101595-00A.

AS A PART OF THIS PROJECT I HAVE REESTABLISHED THE LOCATIONS OF THE EXISTING PROPERTY LINES AND EXISTING RIGHTS OF WAY FOR PROPERTY TAKES CONTAINED HEREIN. ADDITIONALLY, I HAVE ESTABLISHED THE PROPOSED PROPERTY AND EASEMENT LINES, CALCULATED THE GROSS TAKE, PRESENT ROAD OCCUPIED (PRO), NET TAKE, AND NET RESIDUE AS WELL AS PREPARED THE LEGAL DESCRIPTIONS NECESSARY TO ACQUIRE THE PARCELS SHOWN HEREIN. THE HORIZONTAL COORDINATES EXPRESSED HEREIN ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO NAD83(2011) (EPOCH: 2010:0000). THE PROJECT COORDINATES (U.S. SURVEY FEET) ARE RELATIVE TO STATE PLANE BY A COMBINED SCALE FACTOR OF 0.99995376 (P.A.F. OF 1.00004624) FROM PROJECT PID# 101004 AND U.S. SUR OHIO SOUTH ZONE (3402), 'LANE GRID COORDINATES (METERS) . SURVEY FEET TO METERS CONVERSION

ALL OF MY WORK CONTAINED HEREIN WAS CONDUCTED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 4733-37 COMMONLY KNOWN AS "STANDARDS FOR BOUNDARY SURVEYS" UNLESS NOTED. THE WORDS I AND MY AS USED HEREIN ARE TO MEAN EITHER MYSELF OR SOMEONE WORKING UNDER MY DIRECT SUPERVISION.

THOMAS FOK & ASSOCIATES, INC. REVIEWER FDS 04/13/23 115989 JPS

RW.1

RIGHT OF WAY
LEGEND SHEET

FINAL R/W PLAN DATE:

FIELD REVIEWER:

FINAL FIELD REVIEW DATE:

	UTILITY OWNERS
TYPE	NAME & ADDRESS
	Aspire Energy(Formerly Gatherco) 300 Tracy Bridge Road Orrville, Ohio 44667 330-682-7726 ddigman@aspireenergyco.com
NATURAL GAS AND OIL	National Gas and Oil Cooperation 120 O'Neil Drive Hebron, Ohio 43025 Attn: Greg Wilson 740-348-1254 GWilson@theenergycoop.com
	Tennessee Gas (Kinder Morgan-Cumberland) Kinder Morgan 1001 Louisiana St, Suite 1000 Houston, Texas 77002 713-369-9000 TGPContractMgmt@kindermorgan.com

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

SURVEYOR'S SEAL

MUS-376-5.09 MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/20/2023 TIME: 10:56:56 AM USER: jslifka O:\Districto5\Muskingum\115989\401-Engineering_FokEng\RW\Sheets\115989_RC001.dgn RECORDED OI.R.F. @ P. F. P.K. NAIL FOUND IRON PIN SET W/ ID CAP IRON PIN FOUND W/ ID CAP IRON PIN FOUND CL REFERENCE MONUMENT RAILROAD SPIKE FOUND IRON PIPE FOUND MONUMENT LEGEND COUNTY RECORDER THE WESTERLY PORTION OF STATE ROUTE 376, PREVIOUSLY COUNTY ROAD 226 PRIOR TO RELOCATION IN 1964 DEPICTED AS 50 FEET WIDE WAS ORIGINALLY DEDICATED AS NORTH STREET, 49.5 FEET WIDE, BY GAYSPORT PLAT IN DEED VOLUME 17, PAGE 432. MUS-376 COUNTY PLANS: MUSKINGUM ROAD AND MUS 5000 MILE ADDITION INDEXES. S.H. 789 (S.H. 640) SECTIONS A, B, C DESIGNATED AS 50 FEET WIDE. THIS ROAD IS NOW KNOWN AS STATE ROUTE 376. HIGHWAY PLANS: MUS-60-02.56 RW PLAN (I.C.H. 345, SEC. G); PROPOSED RELOCATION COUNTY ROAD No. 226, MAY 1964, MUSKINGUM COUNTY ENGINEER; SURVEYS: ROBERTS, 09/07/1976; FINLEY 06/16/1997; DINAN, 12/22/2003; PLAT OF GAYSPORT, DV17, PG432. DEEDS: JANES 02/21/2006; RODGERS (BK2922, PG825); BUNGER (BK2990, PG664); CHEREVAS (BK2965, PG883); BLUE ROCK TOWNSHIP (BK2104, PG 843); VANCCONEY (DV816, PG320) AND OTHERS. PAGE 20 N13°01'38"E N14°55'19"E

© EXISTING RIGHT OF WAY STATE ROUTE 376 (ROCKVILLE ROAD)

(fka STATE ROUTE 340 & STATE HIGHWAY 789) MV33 MV34 THE HORIZONTAL COORDINATES EXPRESSED HEREIN ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (3402), NAD83(2011) (EPOCH: 2010:0000). THE PROJECT COORDINATES (U.S. SURVEY FEET) ARE RELATIVE TO STATE PLANE GRID COORDINATES (METERS) BY A COMBINED SCALE FACTOR OF 0.99995376 (P.A.F. OF 1.00004624) FROM PROJECT PID# 101004 AND U.S. SURVEY FEET TO METERS CONVERSION OF 3937/1200. SEE SHEET 2/ FOR DIGITAL SEAL AND SIGNATURE ALL OF MY WORK CONTAINED HEREIN WAS CONDUCTED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 4733-37, COMMONLY KNOWN AS "STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO". THE WORDS I AND MY AS USED HEREIN ARE TO MEAN EITHER MYSELF OR SOMEONE WORKING UNDER MY DIRECT SUPERVISION. AS PART OF THIS PROJECT I HAVE REESTABLISHED THE LOCATIONS OF THE EXISTING CENTERLINE OF RIGHT OF WAY AS SHOWN. I, FRANKLIN D. SNYDER, JR., P. S. HAVE CONDUCTED A SURVEY FOR THE OHIO DEPARTMENT OF TRANSPORTATION BEGINNING IN AUGUST 2022. THE RESULTS OF THAT SURVEY ARE CONTAINED HEREIN. 48.63+46SI .ATZ I9 CONGRESS LANDS EAST OF SCIOTO RIVER PI STA, 1296+92.39 RP05 130.43' N16°22'50"E MV31 28.52+8651 .AT2 19 191.80' N24°35'14"E (RP11 CP6 CURVE DATA P.I. = STA. 1300+92.78 MV21 $\Delta = 53^{\circ}14'57'' \ C$ $Dc = 36^{\circ}44'59''$ R = 155.91' T = 78.16' C = 144.90' C = 18.49'MV36 PC 5TA-1300+14.63 (MV35) PI STA. 1303+64.84 PI STA. 1302+18.81 OIbi. GAYSPORT HILL ROAD STA. 1303+35.75 BENT & RESET -MV27 MV28 MV7 MV3 MVI MV2 OLD COUNTY ROAD 226 264.01 146.03 MV13 .5.81 N77°33'19"W N71°05'49"W ·5 61**9** MV4 NORTH STREET - STATE ROUTE 376 (fka COUNTY ROAD 226 & STATE ROUTE 340) СРЗ RP02 BENT & RESET CP5 CP1RP09 RP10 RP08 TE 60 (SOUTH RIVER ROAD) 2 JPS

REVIEWER
FDS 04/13/23 115989 CENTERLINE PLAT

HORIZONTAL SCALE IN FEET 200

ALL BEARINGS SHOWN ARE FOR PROJECT USE ONLY.
BEARINGS ARE BASED ON GRID NORTH OF THE STATE
PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE
(3402), NAD83(2011) (EPOCH 2010:0000) BY GNSS
MEASUREMENTS REFERENCED TO THE ODOT CORS.

BASIS FOR BEARINGS:

NOTE:

THE EXISTING R/W WIDTH AND LOCATION WERE DETERMINED USING: MONUMENTS LOCATED AS PART OF THE SURVEY, OCCUPIED ROAD, AND THE FOLLOWING DOCUMENTS.

SECTION 20, TOWNSHIP 12, RANGE 12

BLUE ROCK TOWNSHIP

MUSKINGUM COUNTY

ASSOCIATES, INC.

ASSOCIATES, INC.

PROJECTION

S.7468

2

DESIGN AGENCY

ASSOCIATES

SURVEYOR'S SEAL

NORTH (m)

EAST (m)

ORTHO HT (m)

NORTH (sft)

MONUMENT ASSEMBLY

NAVD88 Geoid 128 from CP1.

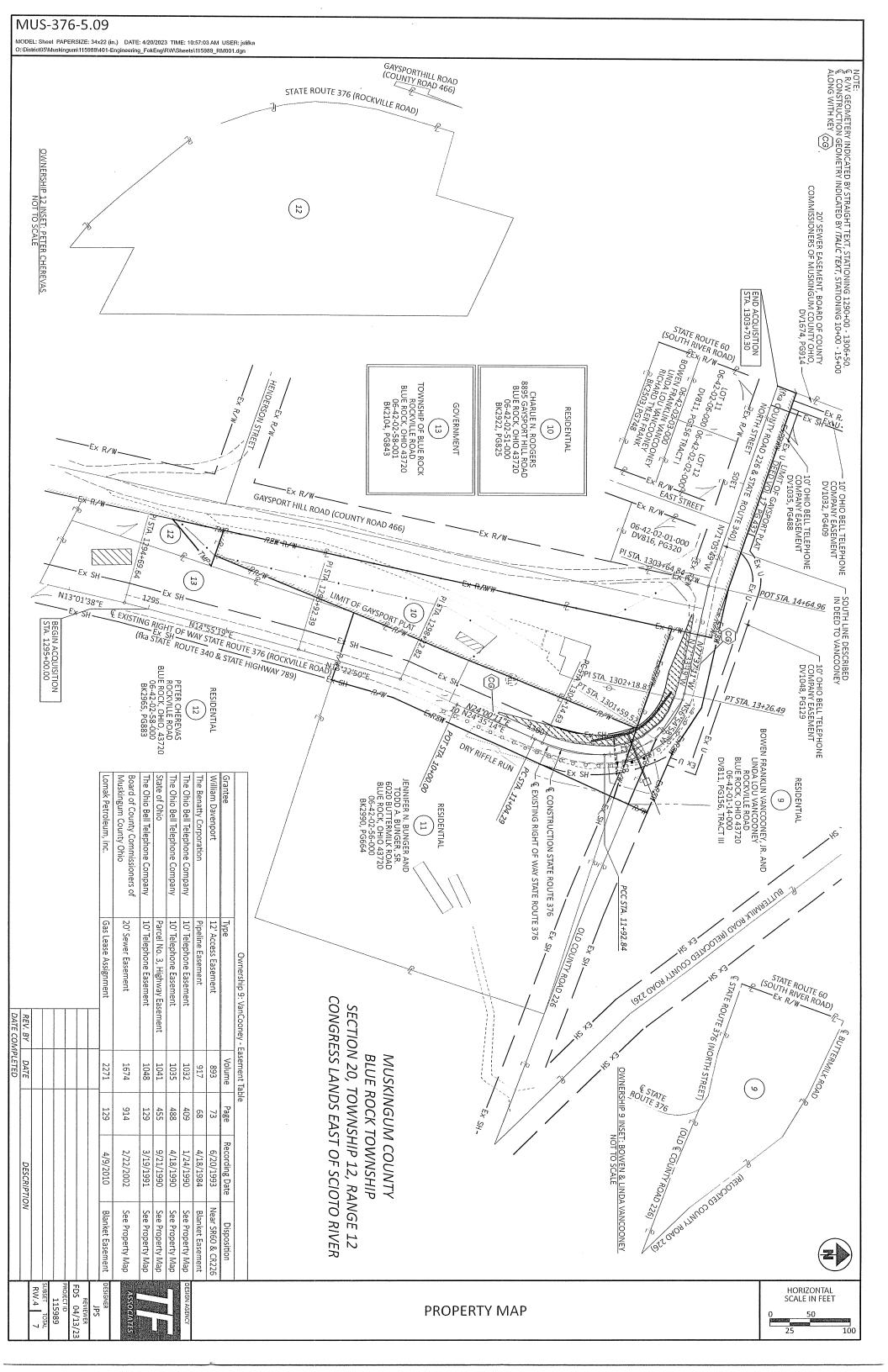
EAST (sft)

MONUMENTS TO BE SET DURING CONSTRUCTION

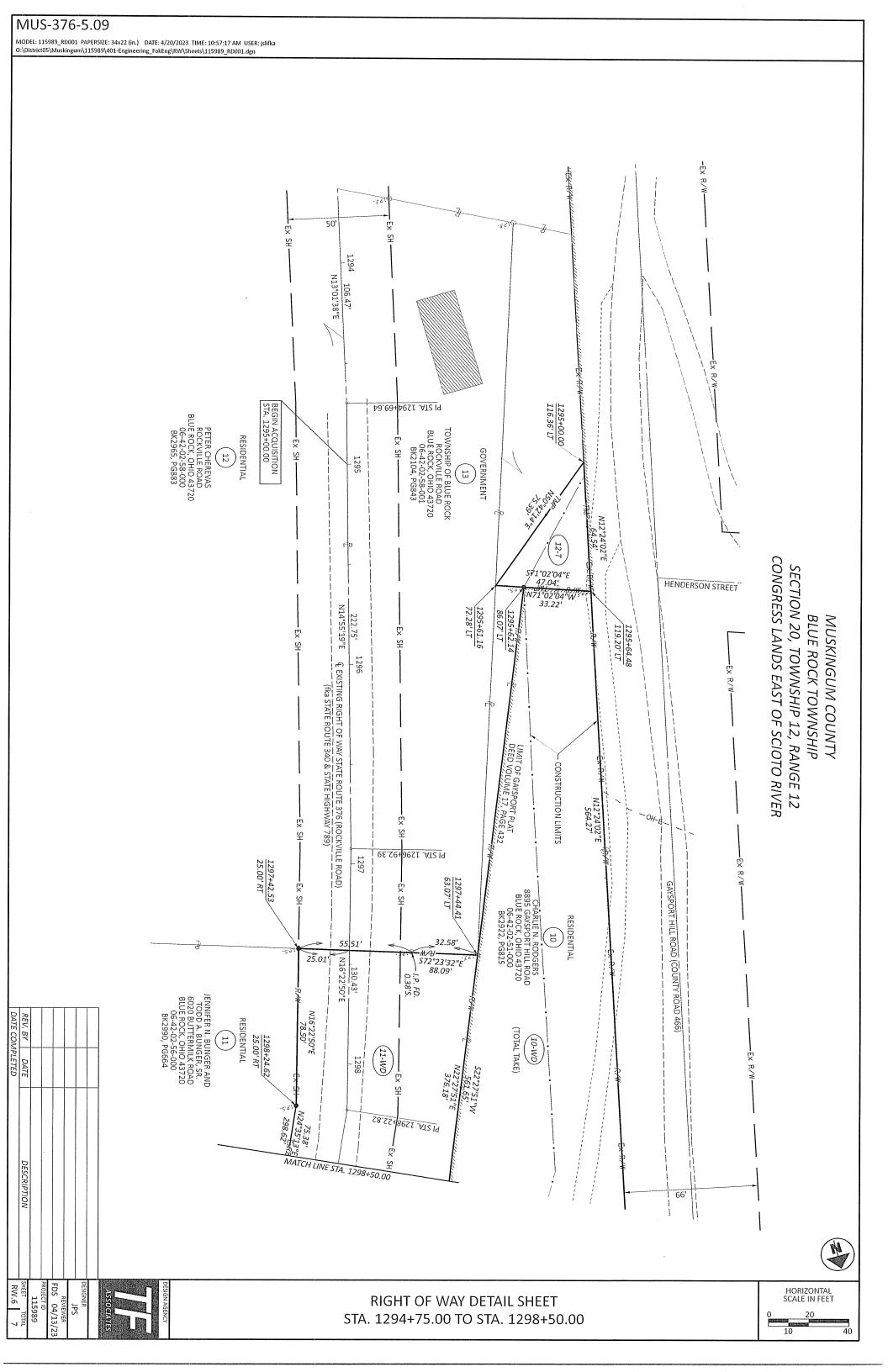
STATE PLANE GRID COORDINATES

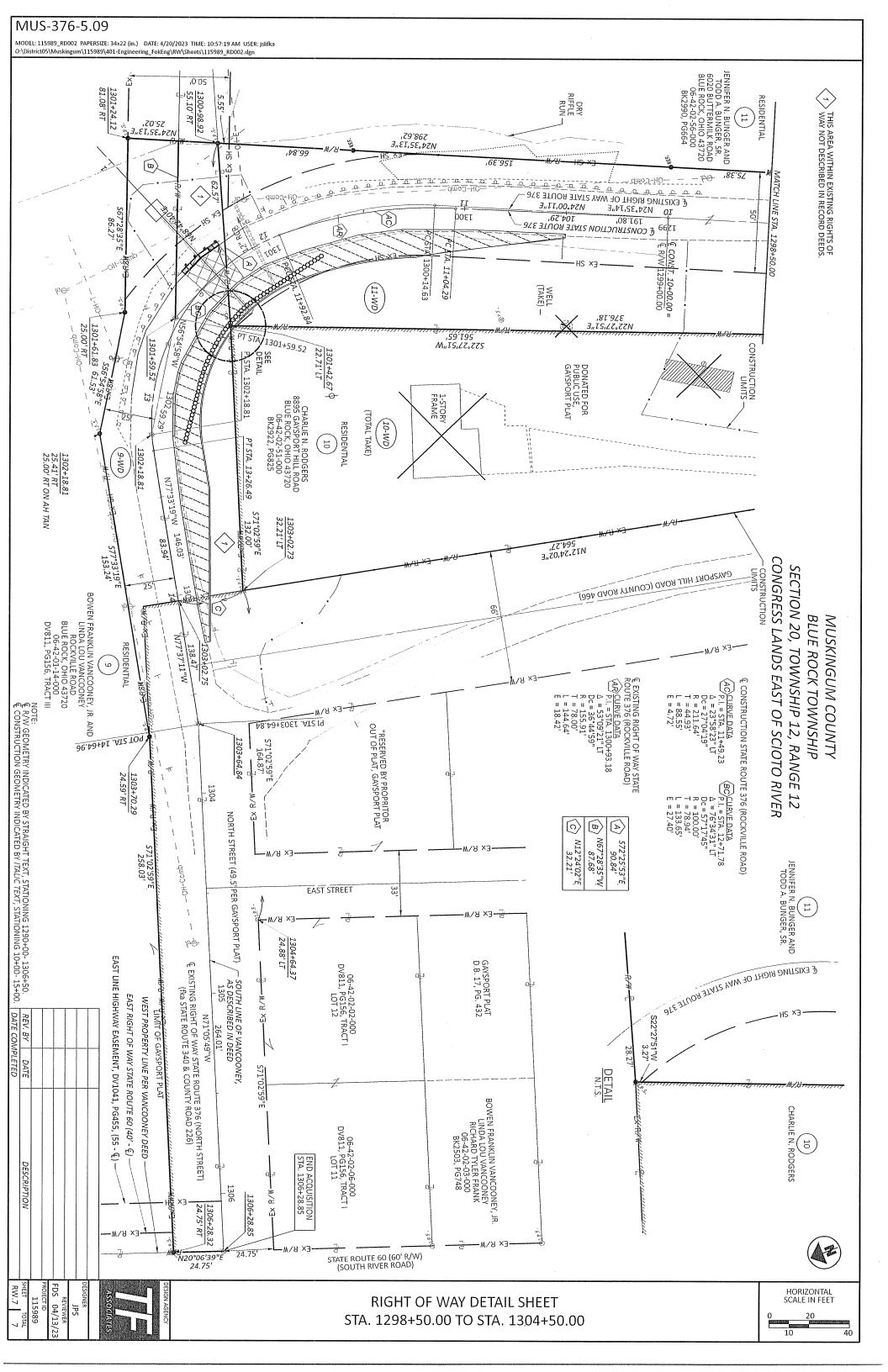
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5989



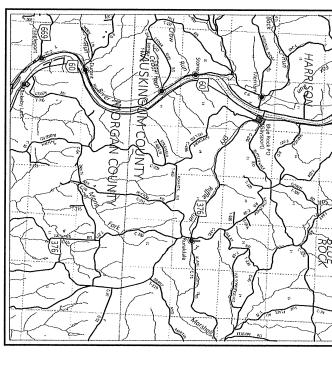
MUS-37 NODEL: Sheet PAPI :\District05\Muski	PERSIZE: 34x22 (in.) DAT kingum\115989\401-Eng	TE: 4/20/2023 TIME: 10:57:12 AM ineering_FokEng\RW\Sheets\1159	USER: jslifka 89_RS001.dgn	12-1		11-WD		10-WD	9-WD	PARCEL NO.	70: 4 0 4 P
IE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.	NOTE: ALL TEMPORARY PARCELS TO BE OF 18 MONTH DURATION.	TOWNSHIP OF BLUE ROCK		PETER CHEREVAS		JENNIFER N. BUNGER AND TODD A. BUNGER, SR.		VD CHARLE N. RODGERS	D BOWEN FRANKLIN VANCOONEY, JR. AND LINDA LOU VANCOONEY		TOTAL NUMBER OF : 4 OWNERSHIPS 1 TOTAL TAKES 4 PARCELS 1 OWNERSHIPS W/ STRUCTURES INVOLVED
RY		0		0		5,		,δ,		RW.	STRUCTURES INV
(c) = CALCULATED AREA	TYPES OF TITLE LEGE WD = WARRANTY DI T = TEMPORARY EAS DV = DEED VOLUME	2104		2965		7 2990		7 2922	7 DV811 DV811 DV811 DV816	RW. SHEET OW NO. BOO	/OLVED
ATED AREA	TYPES OF TITLE LEGEND: WD = WARRANTY DEED T = TEMPORARY EASEMENT DV = DEED VOLUME	843		883		0 664		2 825	11 156 11 156 11 156 16 320	OWNERS RECORD BOOK PAGE	
	⊣										
		06-42-02-58-001		06-42-02-58-000		06-42-02-56-000		06-42-02-51-000 1.0	06-42-01-14-000 06-42-02-06-000 06-42-02-02-000 06-42-02-01-000 TOTAL:	AUDITOR'S I	
		0.620		35.190		3.330		063 (c)	5.490 0.103 0.149 0.156 5.898	RECORD AREA	NET RES
		0.217		1.154		0.549(c)		0.000	1.140(c) - - - - 1.140	TOTAL P.R.O.	NET TAKE = GROSS TAKE - PRO IN TAKE NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE ALL AREAS IN ACRES
				0.035		0.731		1.063	0.318 - - - 0.318	GROSS TAKE	GROSS TAKE - DRD AREA - TO AREAS IN ACR
				0.000		0.438		0.000	0.318(c) - - - 0.318	P.R.O. IN TAKE	- PRO IN TAKE OTAL PRO - NI ES
				0.035		0.294		1.063	0.000	NET TAKE	ET TAKE
		NO		NO		NO		YES	NO	STRUC- TURE	
								0.000	0.103 0.149 0.156 0.408	NET RESIDUE LEFT RIGHT	
						2.487			4.350 4.350 4.350	RIGHT	
		-			90% FEDERAL/10% S					TYPE	
		NO ADDITIONAL RIGHT OF W		GRADING, ACCESS		TAKE WELL		TOTAL TAKE AUDITOR'S RECORD AREA =	TRACT III; SEE EASEMENT TRACT I, LOT 11; NO ADDITTRACT I, LOT 12; NO ADDITTRACT I, LOT 12; NO ADDITIONAL RIGHT OF		
REV. BY DATE DESCI	* DENOTES RIG	WAY REQUIRED						= 1.061 Ac.	TRACT III; SEE EASEMENT TABLE, SHEET RW.4 TRACT I, LOT 11; NO ADDITIONAL RIGHT OF WAY REQUIRED TRACT I, LOT 12; NO ADDITIONAL RIGHT OF WAY REQUIRED NO ADDITIONAL RIGHT OF WAY REQUIRED	REMARKS	GRANTEE: ALL RIGHT OF WAY ACQUIRED IN THE NAME OF STATE OF OHIO DEPARTMENT OF TRANSPORTATION UNLESS OTHERWISE SHOWN.
DESCRIPTION R., PS DATE: DATE:	SHT OF WAY EI									AS BOOK	IRED IN THE N IENT OF TRAN WN.
: 03/29/2023	DENOTES RIGHT OF WAY ENCROACHMENT									AS ACQUIRED BOOK PAGE	JAME OF
115989 SUBSET TOTAL RW.5 7		DESIGN AGENCY ASSOCIATES		SUN	MMARY OF	ADDITIONA	AL RIGHT OF	= WAY			





NONE REQUIRED

ADA DESIGN WAIVERS



LOCATION MAP

LATITUDE: 39°48'11" LONGITUDE: -81°53'24"

2

DESIGN DESIGNATION COUNTY & TOWNSHIP ROADS FEDERAL ROUTES __ INTERSTATE HIGHWAY ____ PORTION TO BE IMPROVED ._

NO	NHS PROJECT
	RURAL - MAJOR COLLECTOR
	DESIGN FUNCTIONAL CLASSIFICATION:
55	LEGAL SPEED
55	DESIGN SPEED
. 3%	TRUCKS (24 HOUR B&C)
55%	DIRECTIONAL DISTRIBUTION
. 72	DESIGN HOURLY VOLUME (2043)
610	DESIGN YEAR ADT (2043)
410	CURRENT ADT (2023)

DESIGN EXCEPTIONS

UNDERGROUND UTILITIES Contact Two Working Days Before You Dig				
		Two Working	UTILIT	

PLAN PREPARED BY:

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

OHIO DEPARTMENT OF TRANSPORTATION

DHIO811, org

DEPARTMENT OF TRANSPORTATION STATE OF OHIO

MUS - 376 - 5.09

BLUE ROCK TOWNSHIP

MUSKINGUM COUNTY

INDEX OF SHEETS:

2 3-4 5-10 11-12 13 20LATIONS 16-25 26 27-28	SCHEMATIC PLAN TYPICAL SECTIONS PLAN NOTES MAINTENANCE OF TRAFFIC GENERAL SUMMARY PAVEMENT & PAVEMENT MARKING CALCULATIONS PLAN & PROFILE GRADING CROSS SECTIONS CULVERT DETAIL SHEET CULVERT INSTALL CROSS SECTIONS
--	--

FEDERAL PROJECT NUMBER

Z Þ

RAILROAD INVOLVEMENT

PROJECT DESCRIPTION

THAT IMPROVES SLOPE STABILITY REMEDIATION OF ROCK CUT SLOPE

EARTH DISTURBED AREAS

NOTICE OF INTENT EARTH DISTURBED AREA: ESTIMATED CONTRACTOR EARTH DISTURBED AREA: PROJECT EARTH DISTURBED AREA:

appears small 0.58 ACRES 0.68 ACRES 0.10 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

Add MOT note- Closure/Detour

DISTRICT DEPUTY DIRECTOR

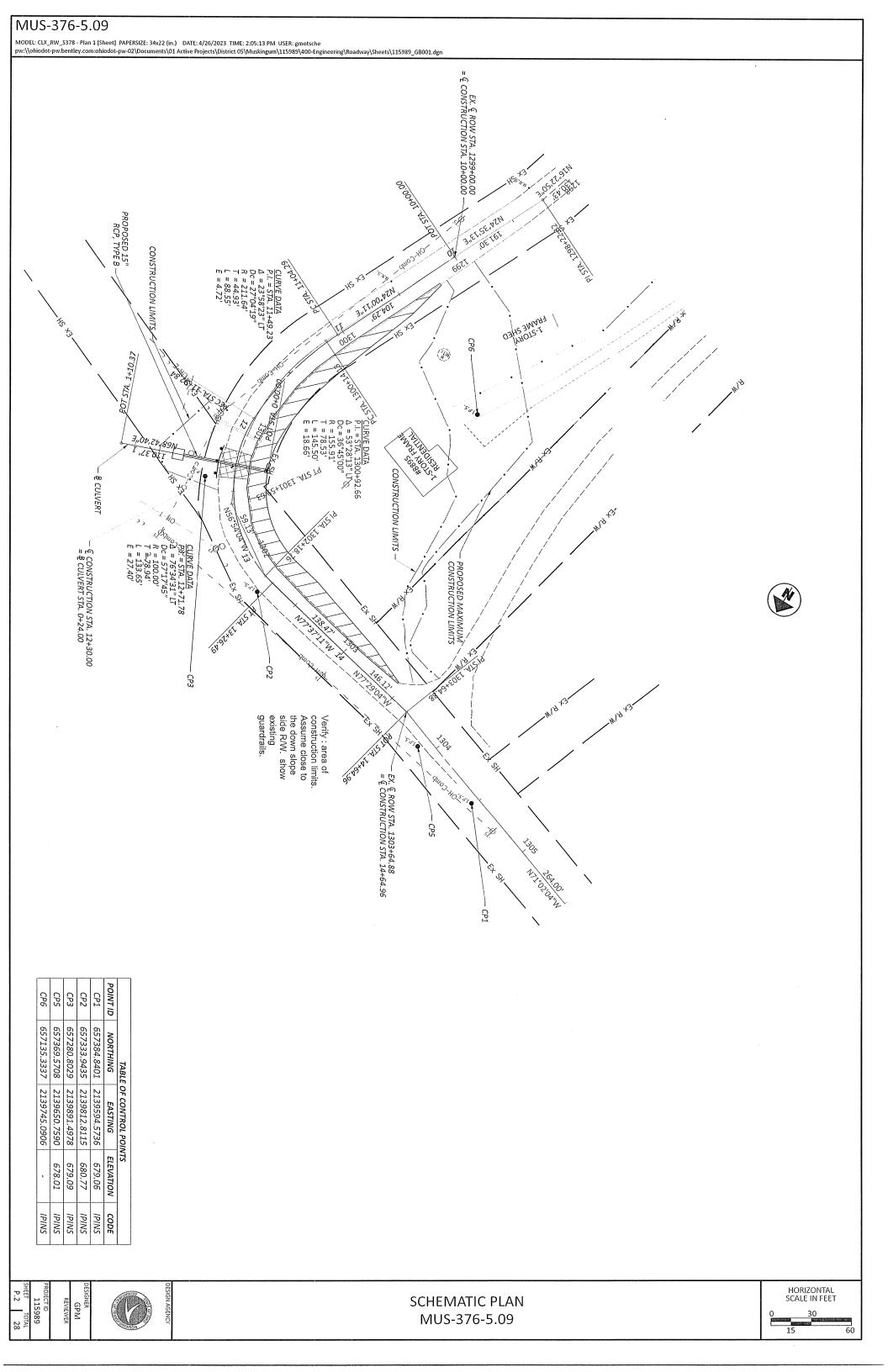
DIRECTOR, DEPARTMENT OF TRANSPORTATION of Male mo

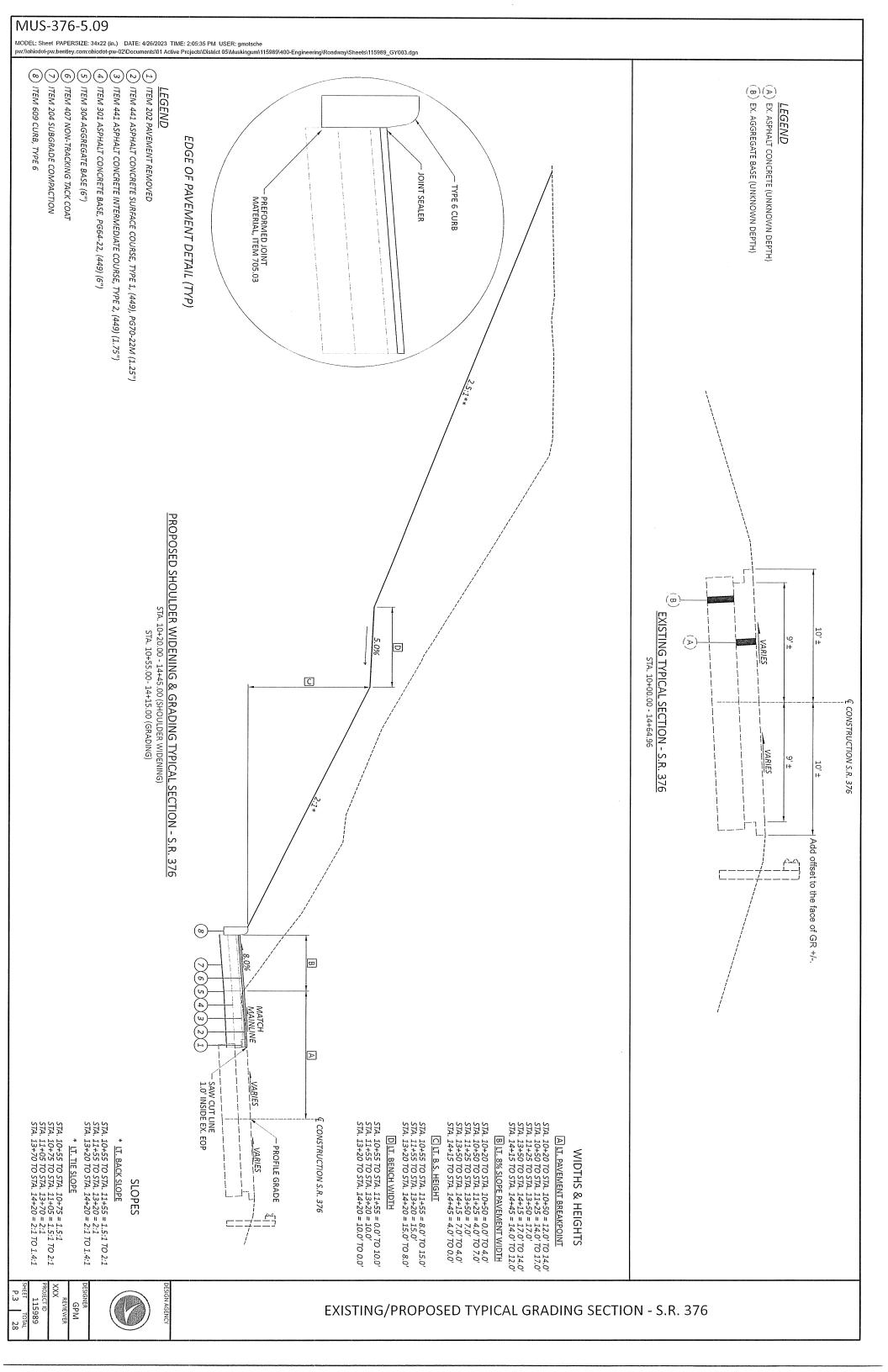
	STANDARL	STANDARD CONSTRUCTION DRAWINGS	DRAWINGS	we are back to 800- Date		SPECIAL
				based on	SPECIFICATIONS	PROVISIONS
1/22				filing/estimate	7 VSO4OV433S 6102-008	
	Add catch basin?				832 7/15/22	
7/20					902 7/19/19	
9/19	9/19 Add Erosion					
7/20	7/20 Control					
7/20						
8/13						
7/14						
5/22						

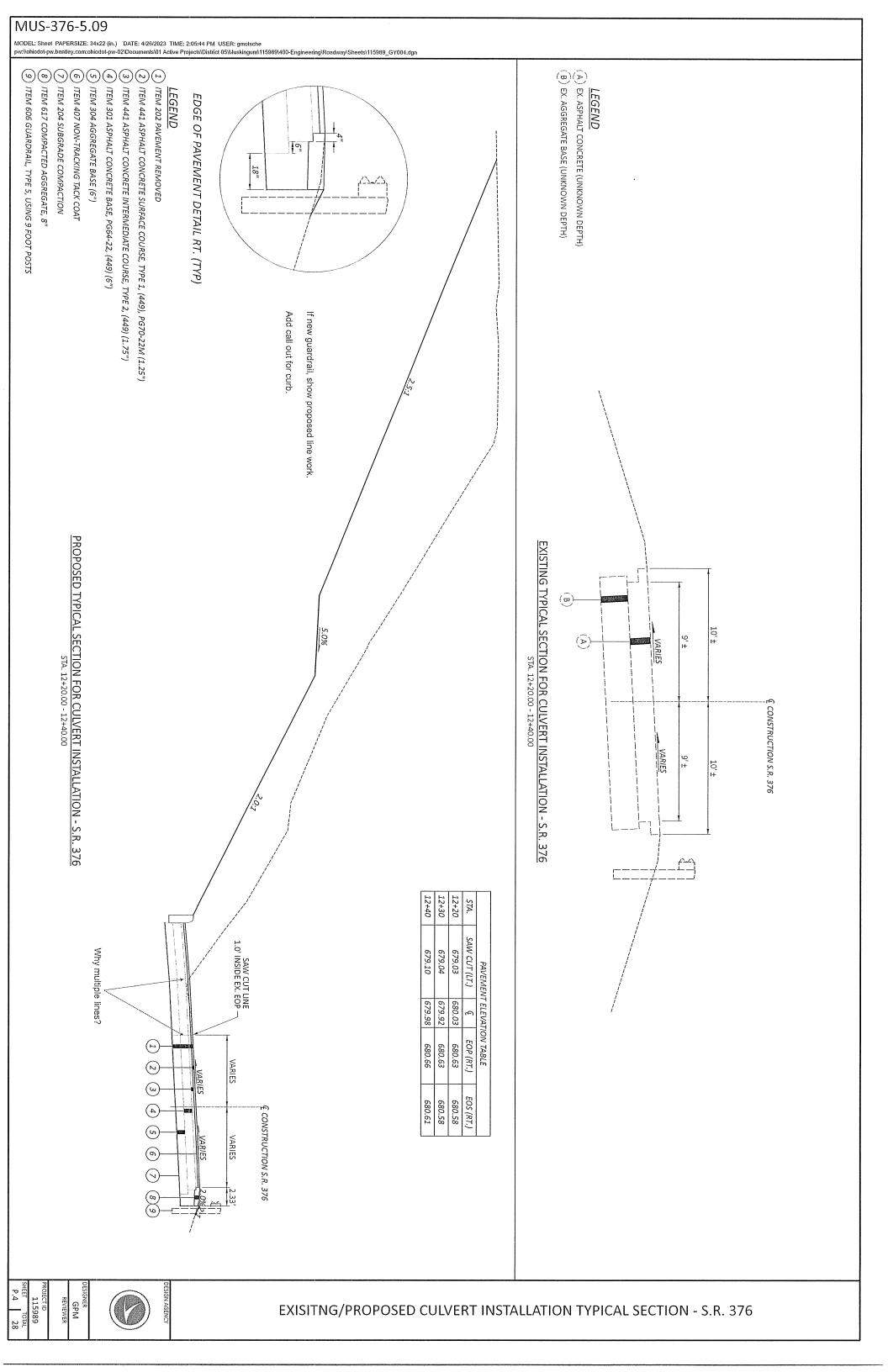
GPM

REVIEWER

ECT ID 115989







ROUNDING

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

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

AT&T Ohio 160 North Sixth Street 2anesville, Ohio 43701 Attn: Barret Tamasovich BT2178@att.com

RESPECTIVE OWNERS:

PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR

Hebron, Ohio 43025 Attn: Will Poling wpoling@theenergycoop.com Natural Gas and Oil Cooperative 120 O'Neil Drive

Guernsey-Muskingum Electric Spectrum Cable TV 737 Howard St. Zanesville, Ohio 43701 Attn: Zack Allen 614-255-2819 Zackary.Allen1@charter.com

WORK LIMITS

bwest@gmenergy.com

New Concord, Oh Attn: Blake West

17 South Liberty Street New Concord, Ohio 43762

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

CLEARING AND GRUBBING

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

EXISTING STRUCTURE VERFICATION

C&MS 102.05 AND 105.02. TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED CONSEQUENTLY, THEY AREA INDICATIVE OF THE EXISTING STRUCTURE PLANS OF THE EXISITNG PIPE'S ORIGINAL INSTALLATION. THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM THE DESIGN DETAILS AND DIMENSIONS SHOWN ON THE PLANS PERTAINING TO

DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD. FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION

THE CONTRACTOR SHALL COMPLY WITH CMS SECTION 107.10 FOR ALL BORROW AND WASTE AREAS ASSOCIATED WITH THE PROJECT.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE RESPECTIVE GUARDRAIL ITEMS. USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO

EARTHWORK

ITEM **203, EXCAVATION (10203 CY)** 10201 CY (SHEET 25) + 2 CY (SHEET 28) = 10203 CY

SEEDING AND MULCHING

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

ITEM 659, SEEDING AND MULCHING, CLASS 2 (3210 SY) 3122 SY (SHEET 25) + 88 SY (SHEET 28) = 3210 SY

ITEM 659, COMMERCIAL FERTILIZER (0.4 TON) 1 TON PER 7,410 SY OF PERMANENT SEEDED AREA

ITEM 659, LIME ACRES (0.7 ACRE) 3210 / 4840 = 0.7 ACRE

ITEM 659, WATER (17 M. GAL) 3210 X 0.0054 M. GAL / SY = 17 M. GAL

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

ASPHALT CONCRETE PAVEMENT (RACP MEETING REQUIREMENTS OF BE WAIVED. IF SO PERMITTED, THE CONTRACTOR MAY USE RECYCLED REQUIREMENTS SHALL BE AS SPECIFIED EXCEPT THE INDEX SHALL REQUIREMENTS EXCEPT SHALE SHALL BE WAIVED. OTHER GRADATION 716.02) IN LIEU OF LIMESTONE. ITEM 617, COMPACTED AGGREGATE, AS PER PLAN ALL AGGREGATE SHALL BE 100% CRUSHED LIMESTONE. ALL QUALITY

OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL THE DEPARTMENT.

CONDUIT.

AS DIRECTED AND APPROVED BY THE ENGINEER. CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE

IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED

ENDANGERED BAT HABITAT REMOVAL

SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET. DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES

ITEM 407, NON-TRACKING TACK COAT

DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE COURSE AND 0.06 GAL/SY UNDER THE INTERMEDIATE COURSE APPLICATION RATE OF 0.06 GAL/SY FOR TACK COAT UNDER THE SURFACE SHALL BE PER CMS TABLE 407.06-1 AND SUBJECT TO ADJUSTMENT AS THE RATE OF APPLICATION OF THE ITEM 407, NON-TRACKING TACK COAT

ITEM 690, SPECIAL - MISC.: ROADWAY PRESERVATION

STARTING THE EXCAVATION OF SLOPE AND REMOVAL OF WASTE DOCUMENT THE ROADWAY AND GUARDRAIL CONDITIONS PRIOR TO PRESERVE THE EXISTING PAVEMENT AND GUARDRAIL. VIDEO MATERIALS. SUBMIT PROTECTION PLAN FOR THE PROJECT ENGINEER'S

CONSTRUCTION AT NO ADDITIONAL COSTS TO THE STATE. UNLESS NECESSARY FOR PROTECTION OF EXISTING ROADWAY PAVEMENT. ITEMIZED SEPARATELY, INCLUDE ALL LABOR, MATERIALS, AND TOOLS REPAIR ANY DAMAGE TO THE ROADWAY AND GUARDRAIL DURING

ITEM 690 SPECIAL, ROADWAY PRESERVATION, LUMP

TEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER. OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED ITEM 613, EXISTING 12 INCH DIAMETER CONDUIT AND FILLING THE AREA SEALED THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN

INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES. LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS

FILLED AND PLUGGED AS DESCRIBED ABOVE. OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED

CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY

AS PER PLAN ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEYING,

THE FOLLOWING INFORMATION TO THE DEPARTMENT: LAYOUT STAKES AND SURVEYING, THE CONTRACTOR SHALL PROVIDE IN ADDITION TO THE REQUIREMENTS OF ITEM 623, CONSTRUCTION

COORDINATES (GRID). THE CONSTRUCTION ITEMS SHALL BE LOCATED AS PER THE SURVEY FEATURE CODE LIST FOUND ON THE OHIO SURVEYOR'S CERTIFICATION SHALL BE DELIVERED TO: AN EMAIL CONTAINING A COMMA DELIMITED ASCII FILE AND SERVICES WEBSITE. AFTER ALL INFORMATION HAS BEEN COLLECTED, DEPARTMENT OF TRANSPORTATION OFFICE OF CADD & MAPPING SPECIFIED COMPLETED CONSTRUCTION ITEMS IN OHIO STATE PLANE CONTRACTOR SHALL PROVIDE AS- BUILT DATA FOR THE

Steven.Miller@dot.ohio.gov (D5 CONSTRUCTION AREA ENGINEER) Cody.Gierhart@dot.ohio.gov (D5 GIS COORDINATOR) AND

ITEM 408, PRIME COAT, AS PER PLAN

CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING IS DIRECTED TO 107.10 OF THE SPECIFICATIONS OF PAVEMENT OR EDGE LINE. THE ATTENTION OF THE CONTRACTOR OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE LIQUIDATED DAMAGES PER CMS 108.07 WILL BE ASSESSED. THE SEVEN (7) DAYS AFTER PLACEMENT OF THE AGGREGATE SHOULER OR TO REDUCE AGGREGATE LOSS, THE PRIME COAT SHALL BE APPLIED WITHIN AT A RATE OF 0.40 GAL/SY TO THE COMPLETED AGGREGATE SHOULDER. THE CONTRACTOR SHALL APPLY ONE COAT OF MC-70 (AS PER CMS 702)

AS PER PLAN (CONTINUED). ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEYING,

THE ASCII FILE SHALL INCLUDE A HEADER CONTAINING:

HORI. DATE(S) OF COLLECTION NAME OF SURVEYOR ZONTAL DATUM (I.E. NAD83 (2011), OHIO SPCS NORTH OR SOUTH)

VERT) METHOD OF COLLECTION (I.E. OHIO VRS, GPS RTK, TOTAL STATION, ETC.) ICAL DATUM (I.E. NAVD 88, GEOID12A)

THE ASCII FILE SHALL BE IN TABLE FORM AS FOLLOWS:

PT. NO./NORTHING/EASTING/ELEVATION/FEATURE CODE/DESCRIPTION

W IS A LIST OF THE ITEMS THE CONTRACTOR SHALL PROVIDE FOR

'ERT INVERT AT INLET AND OUTLET

I SIHT

-CULV

EQU ABOVE ITEMS SHALL BE COLLECTED USING SURVEY GRADE PMENT MEETING THE REQUIREMENTS OF SECTION 400 IN THE SURVEY & MAPPING SPECIFICATIONS MANUAL.

ABOL CONS COSTS ASSOCIATED WITH OBTAINING THE INFORMATION LISTED TRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN. 'E SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 623,

ALL

MARY TO PERFORM THE WORK DESCRIBED ABOVE: FOLLOWING QUANTITY HAS BEEN INLCUDED IN THE GENERAL

ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN (LS)

GENERAL NOTES

SURV

EYING PARAMETERS

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

AND JSU. HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING: HE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING,

PROJ CT CONTROL

MON POSIT TONING METHOD: UMENT TYPE:

Check with Luke to get this info from Consultant.

VERTICAL POSITIONING

GEOID: ORTHOMETRIC HEIGHT DATUM:

HORIZONTAL POSITIONING

MAP REFER COMBINED SCALE FACTOR: ORIGIN OF COORDINATE COORDINATE SYSTEM: PROJECTION: RENCE FRAME:

SYSTE

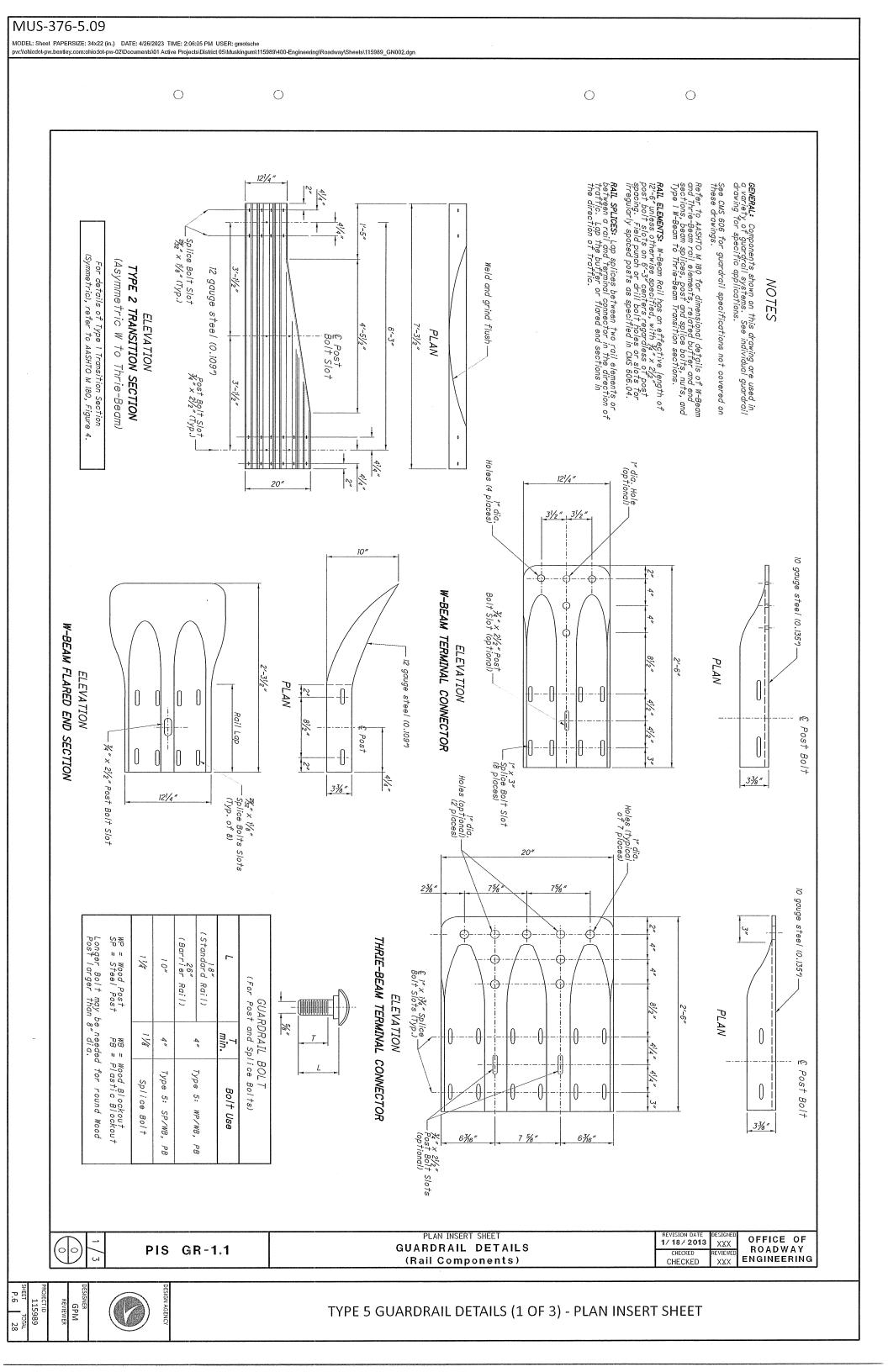
DAMAUSE 1 DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE IMARY PROJECT CONTROL THAT ARE DAMAGED OR RIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED HE POSITIONING METHODS AND MONUMENT TYPE USED IN GED OR DESTROYED MONUMENTS IN ACCORDANCE WITH

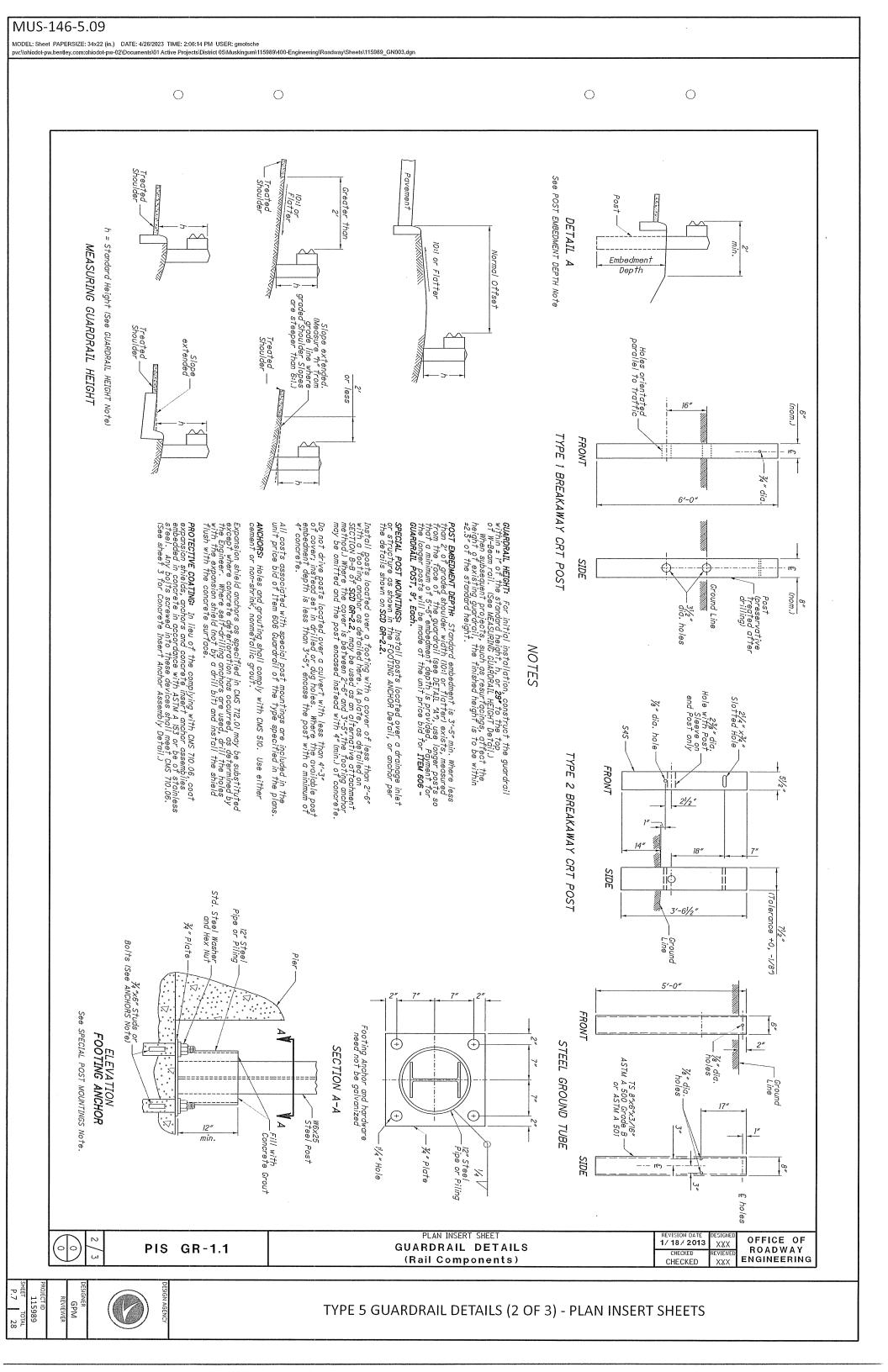
ARE IN U.S. SURVEY FEET.

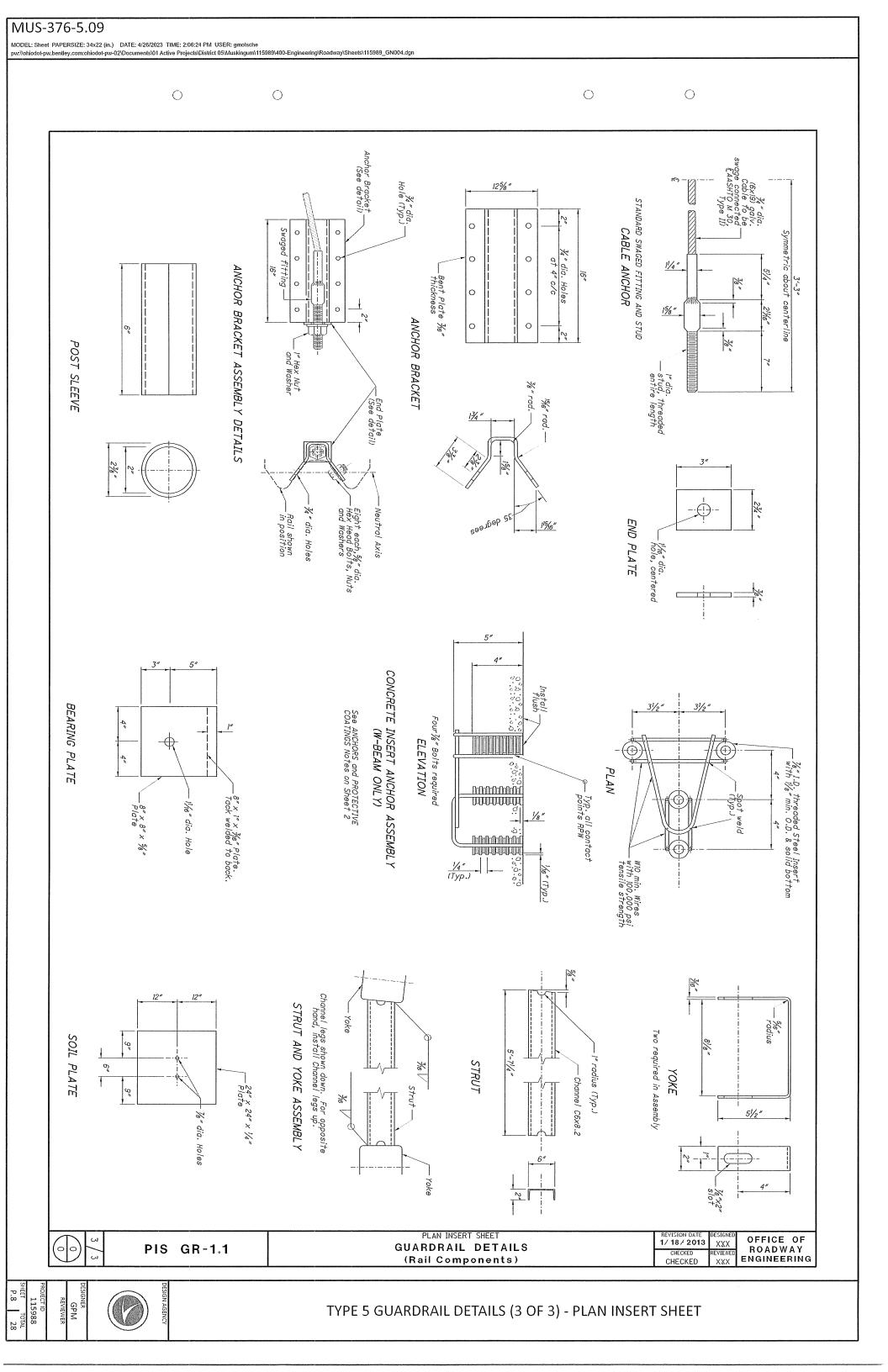
CMS 6 UNITS

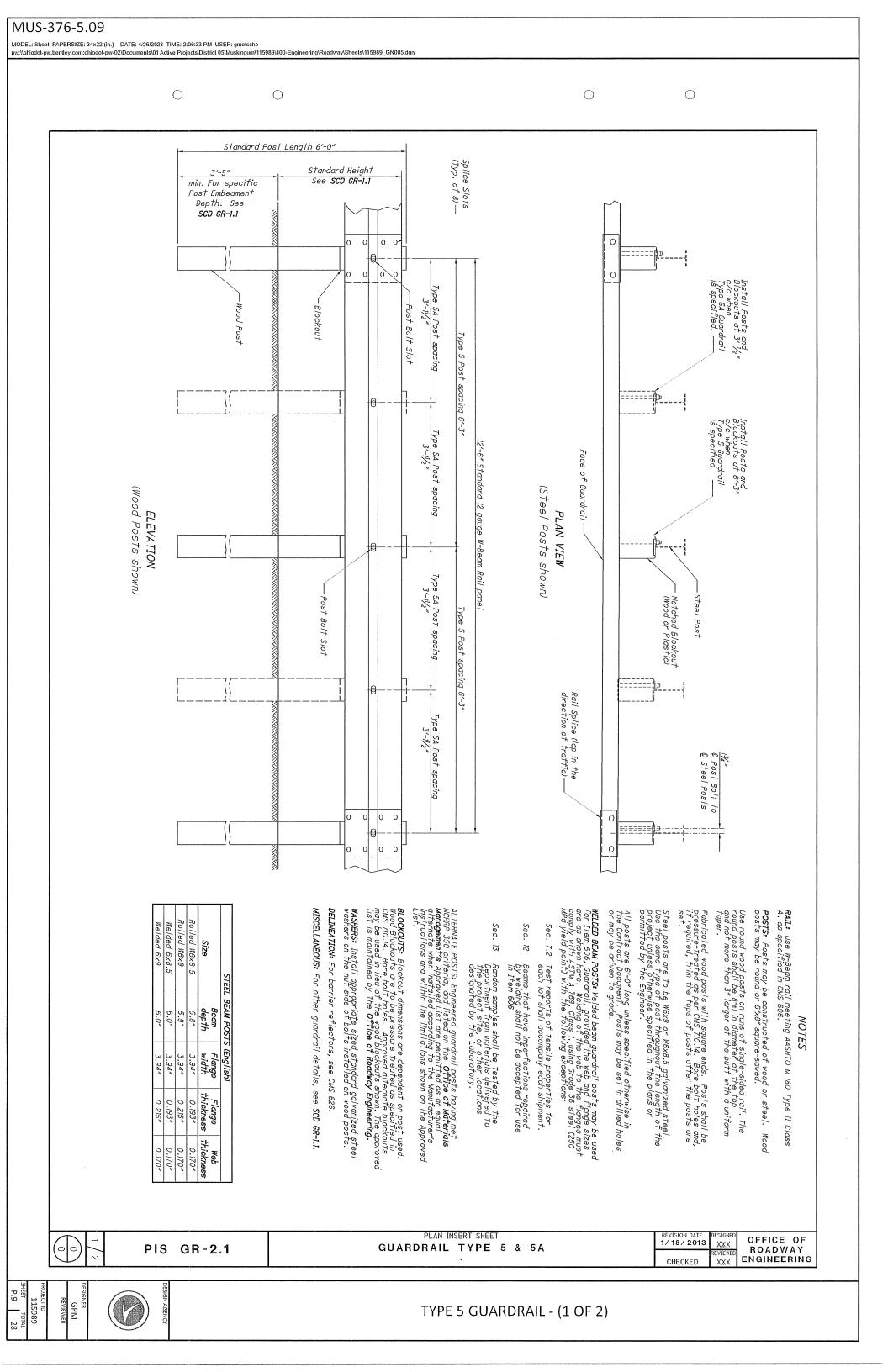
REVIEWER GPM

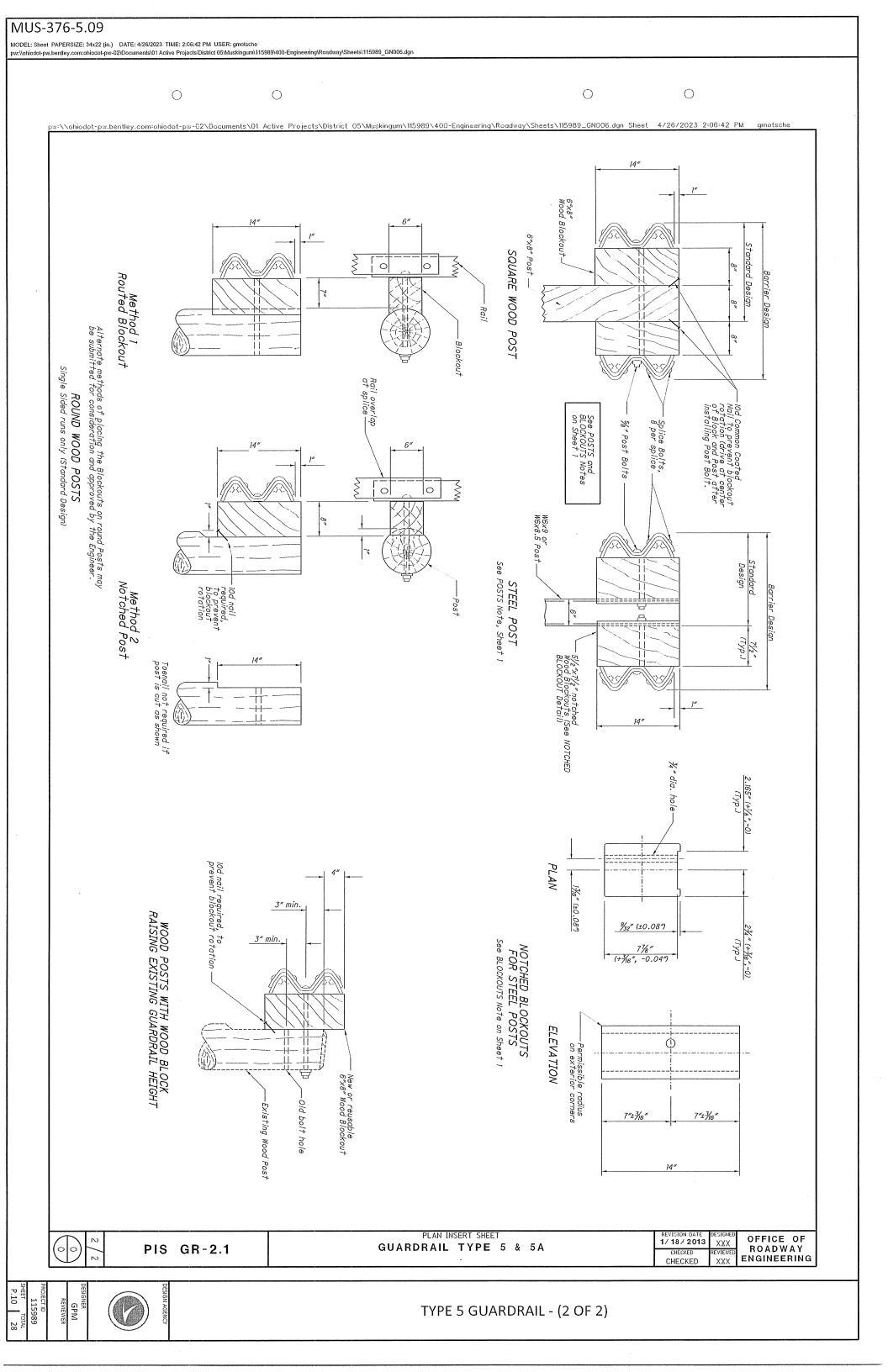
115989











CONSTRUCTION NOTIFICATION

OF TWENTY-ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND/OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING: THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM

BY FAX: (614) 887-4525 OR BY EMAIL: BRIAN.BOSCH@DOT.OHIO.GOV DISTRICT PERMIT SECTION BY EMAIL: D05.PIO@DOT.OHIO.GOV BY FAX: (614) 887-4510 OR

DISTRICT PUBLIC INFORMATION OFFICER (PIO)

BY EMAIL: HAULING.PERMIT@DOT.OHIO.GOV BY FAX: (614) 728-4099 OR CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION

ITEMS VIA MEDIA SOURCES. IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY

ITEM 614, MAINTAINING TRAFFIC

SHALL APPLY. LATEST REVISION. IN ADDITION, THE FOLLOWING REQUIREMENTS UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS MAINTENANCE OPERATIONS SECTIONS OF THE OHIO MANUAL OF SPECIFICATIONS AND AS OUTLINED IN THE CONSTRUCTION AND TRAFFIC SHALL BE MAINTAINED AS PER THE DETAIL SHEETS AND

BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF A PERSON OR PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE PER 614.03. REPLACING NECESSARY TRAFFIC CONTROL DEVICES IMMEDIATELY, AS AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR

Start of

14 calendar days prior to implementation

Pattern Changes & Traffic Construction

LIMITS. SHALL BE PROVIDED WHETHER INSIDE OR OUTSIDE THESE WORK THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES REQURED BY THESE PLANS

EXCAVATION, AGGREGATE SHOULDER, GRADED DITCH, INSTALLATION OF PROPOSED CULVERT, AND PAVEMENT TO INTERMEDIATE COURSE THE PLANS INDICATE THE MINIMUM SIGNAGE WHICH MUST BE HAS BEEN COMPLETED. THIS PROJECT WILL BE CONSIDERED OPEN TO TRAFFIC ONCE ALL

MAINTAIN TRAFFIC DURING CONSTRUCTION. EXISTING SIGNS OR CONTRACTOR SUPPLIED SIGNS SHALL BE USED TO INSTALLED AND/OR MAINTAINED DURING CONSTRUCTION.

REERECTED SIGNS IN THE PROJECT DIARY. THE ENGINEER SHALL RECORD INSTALLATION AND REMOVAL PROPOSED SIGNS, COVERED OR REMOVED, AND UNCOVERED 2 2

UNLESS SEPARATELY ITEMIZED IN THE PLANS. SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING AND MATERIALS DESCRIBED ABOVE SHALL BE INCLUDED IN THE LUMP SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT, ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE

THE FOLLOWING QUANTITY HAS BEEN INCLUDED IN THE GENERAL

SUMMARY:

ITEM 614, MAINTAINING TRAFFIC (LS)

NOTIFICATION OF TRAFFIC RESTRICTIONS

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

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

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

<u>ltem</u> Ramp	Item <u>Duration of Closure</u> <u>Sian Displayed</u> Ramp >= 2 weeks 14 calendar da	Sian Displayed to Public 14 calendar days prior to closure
& Road Closures	> 12 hours & < 2 weeks < 12 hours	> 12 hours & < 2 weeks 7 calendar days prior to closure < 12 hours 2 business days prior to closure
Lane Closures & Restrictions	>= 2 weeks < 2 weeks	14 calendar days prior to closure 5 business days prior to closure

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

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

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

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

NOTICE OF CLOSURE SIGN TIME TABLE

Ramp >= 2 weeks 14 calendar days prior to closure & Road > 12 hours & < 2 weeks 7 calendar days prior to closure	tem	Duration of Closure	sign Displayed to Public
> 12 hours & < 2 weeks < 12 hours	Ramp	>= 2 weeks	14 calendar days prior to closure
	& Road	> 12 hours & < 2 weeks	7 calendar days prior to closure
	Closures	< 12 hours	2 business days prior to closure

SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD THIS IS 70 BE

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS

TEM 614, MAINTAINING TRAFFIC (SIGNS AND BARRICADES)

UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES. AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF

TEM 614, MAINTAINING TRAFFIC (ROAD CLOSED SIGN)

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

DUST CONTROL

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

ITEM 616, WATER (1 MGAL)

COMPLETED BY THE PROPOSAL COMPLETION DATE. DISINCENTIVE OF \$1000.00 PER DAY. ALL OTHER WORK IS TO BE DAYS DESIGNATED THE CONTRACTOR WILL BE SUBJECT TO A IF THE CRITICAL WORK IS NOT COMPLETED WITHIN THE CALENDAR

CRITICAL WORK TABLE: MUS-146-29.42

EXCAVATION, INSTALLATION OF CULVERT, & PAVEMENT TO INTERMEDIATE COURSE	DESCRIPTION OF CRITICAL WORK	
SIXTY (60) CALENDAR DAYS	CALENDAR DAYS TO COMPLETE	
\$1000 PER DAY	DIS-INCENTIVE (\$ PER DAY)	

THE FINAL COMPLETION DATE FOR THE PROJECT WILL BE AS LISTED IN

AS A FLAGGING OPERATION. THE FINAL SURFACE COURSE AND THE STRIPING CAN BE PERFORMED

DESIGNATED LOCAL DETOUR ROUTE

EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK DETOUR ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE". THIS DETOUR ROUTE IS SHOWN ON SHEET 6. DURING THE TIME THAT SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER. RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL FROM HOLES, RIDGES, BUMPS, DUST, AND STANDING WATER. ONCE ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE A LOCAL

BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE DESIGNATED LOCAL DETOUR ROUTE. THE FOLLOWING QUANTITIES ARE PROVIDED FOR USE AS DIRECTED

ITEM 441, ASPHALT CONCRETE, MISC.: SPOT TREAMENT (20 CY)

ITEM 407, NON-TRACKING TACK COAT (24 GAL)

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN

SHALL AVAIL THE (LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY. THE WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, ABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS

SIGN ACCOF CAPA OPERATION INSTRUCTIONS TO ENABLE ON- SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE DARKI EACH SIGN SHALL BE TRAILER- MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING RDANCE WITH C&MS 614.03. CAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN SHALL BE PROVIDED WITH APPROPRIATE VESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH LE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM TRAINING AND

ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE LOCA: PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE TRAFFIC. TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE PLACEMENT, OPERATION, MAINTENANCE AND ALL

SHALI TROU INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND NECESSARY. THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND BLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION

MAINTENANCE OF TRAFFIC NOTES

SHALL PRE-POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND CAPAL PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED FOR PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE EACH PHASE TO BE READ AT LEAST TWICE. BILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF ORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE

DEAC 1901 HE TIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT CMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING OF THE DAY FOR DIFFERENT DAYS OF THE WEEK. WHICH WILL ALLOW THE SIGN TO BE ACTIVATED,

THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE. CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY ATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR

WORK CONTRACT, UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN

MING 4 SIGNS FOR 2 MONTHS.)

(ASSU

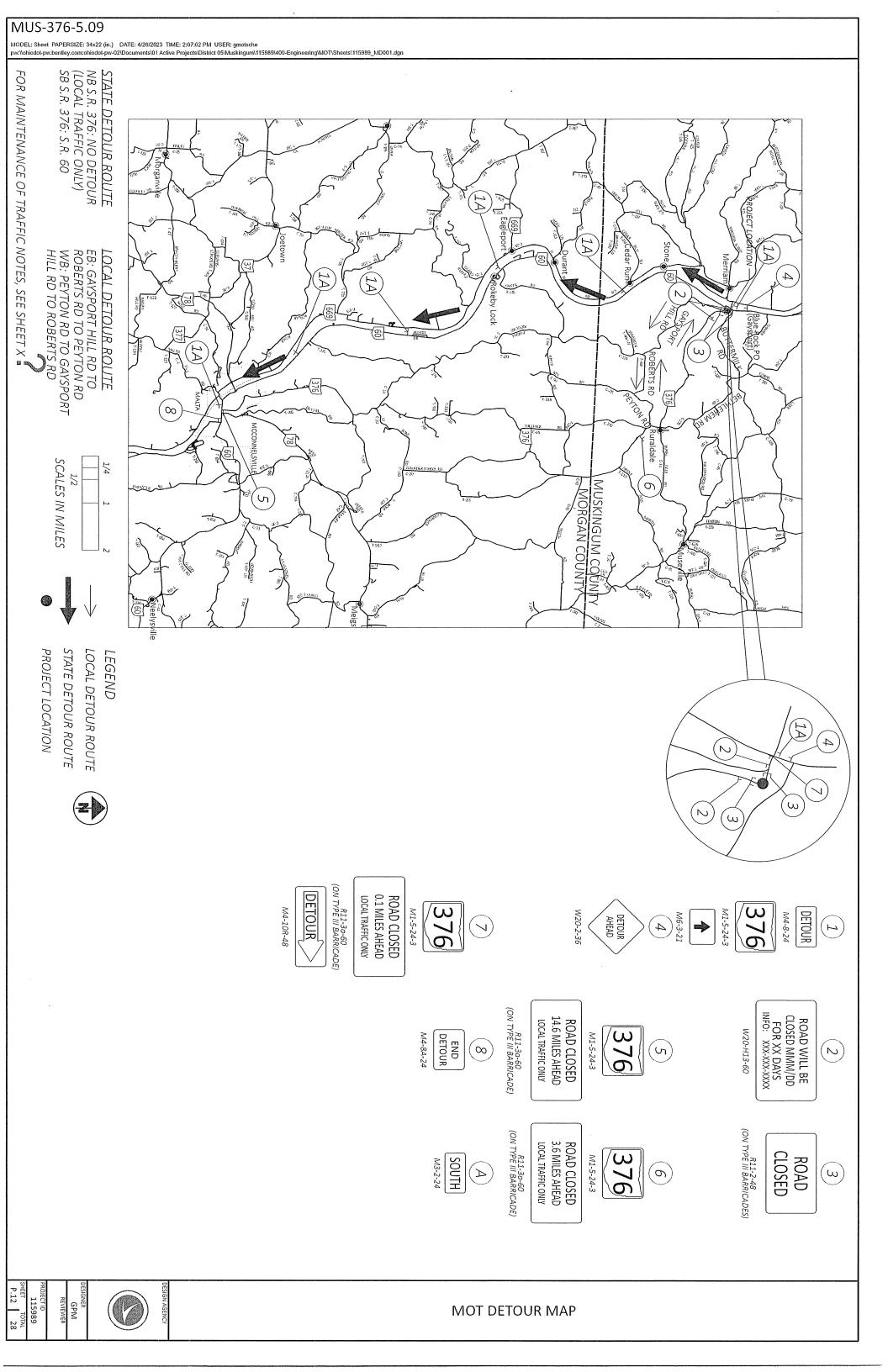


GPM

REVIEWER

115989

P.11 28



MUS-376-5.09 MODEL: Sheet PAPERSIZE: 34x22 (in.) pw:\\ohiodot-pw.bentley.com:ohiodot-pw-0			Roadway\Sheets\115989_GG001.dgn			
ಒ					3,210 0,4 0.7 17	5 LS 10,203
	20 21 8 8	2 2 0.08 0.01	92 92 92 24 66 22 19 27		383	SHEET NUM. 11 14 92 92 25 15 558 25 1
				62	7 7	26 01/ P
	20 20 1	2 2 0.08 0.01	92 92 92 90 90 19 19	62	7 7 3,210 0,4 0,7 1,000	PART. 01/NFA/21 LS 92 25 LS LS 38 S 38 S 10,203 558 25
614 623 624	441 614 614 616	621 621 621 642 642	301 304 407 408 441 441	611	601 609 659 659 659 659 832	TTEM 201 201 202 202 202 202 202 SPECIAL 506 606 617
11000 10001 10000	90000 12420 18601 10000	00100 54000 00104 00300	\$6000 20000 20000 10001 \$0000 \$0300	05900	21050 26000 00510 20000 31000 35000 30000	EXT 11000 23000 38000 56000 20270000 10000 11000
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	CY SNMT MGAL	EACH EACH MILE	CA C	FT	SY FT SY TON ACRE MIGAL EACH	CA AS
MAINTAINING TRAFFIC CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN MOBILIZATION INCIDENTALS INCIDENTALS	ASPHALT CONCRETE, MISC.: SPOT TREATMENT DETOUR SIGNING PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN WATER	RAPM RAISED PAVEMENT MARKER REMOVED EDGE LINE, 6", TYPE 1 CENTER LINE, TYPE 1	ASPHALT CONCRETE BASE, PG64-22, (449) AGREGATE BASE NON-TRACKING TACK COAT PRIME COAT, AS PER PLAN ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	15" CONDUIT, TYPE B-706.02 CATCH BASIN, NO. 3A	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT CURB, TYPE 6 SEEDING AND MULCHING, CLASS 2 COMMERCIAL FERTILIZER LIME WATER EROSION CONTROL EROSION CONTROL	CLEARING AND GRUBBING PAVEMENT REMOVED GUARDRAIL REMOVED BUILDING DEMOLISHED - HOUSE FILL AND PLUG EXISTING CONDUIT - 12" EXCAVATION SUBGRADE COMPACTION GUARDRAIL, TYPE 5, USING 9 FOOT POSTS COMPACTED AGGREGATE, AS PER PLAN
S1 P1 00	11 11 11 11	14 14 14 14	14 14 14 14 14	26	26 14 15 5 5	SEE SHEET NO. 14 14 14 14 14 14 14 14 14
DESIGNER GPIN REVIEW PROJECT ID 11598 SHEET 70 P.13	DESIGN AGEN			GENERAL SU	ΝΛΛΛΔRV	

FULL DEPTH PAVEMENT CALCULATIONS

ITEM

ITEM EXT

UNIT

TOTAL

ESTIMATED ROADWAY QUANTITIES

202

23000

ΥS

92

PAVEMENT REMOVED

ITEM DESCRIPTION

LIMITS: STA. 12+20.00 TO STA. 12+40.00 (= 20.00 FT) STA. 10+20.00 TO STA. 14+45.00 (= 425.00 FT)

ITEM 202, PAVEMENT REMOVED 406.4 SF* (STA. 10+20.00 TO STA. 14+45.00) + 421.6 SF* (STA. 12+20.00 TO STA. 12+40.00) = 92 SY TEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22 (4541.8 SF* (5TA. 10+20.00 TO STA. 14+45.00) + 422.8 SF* (5TA. 12+20.00 TO STA. 12+40.00)] X 1.25" = 19 CY

ITEM 407, NON-TRACKING TACK COAT (APPLIED TO NEW INTERMEDIATE COURSE) [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 422.8 SF* (STA. 12+20.00 TO STA. 12+40.00)] X 0.06 GAL PER SY = 33 GAL

ITEM 407, NON-TRACKING TACK COAT (APPLIED TO NEW ASPHALT BASE COURSE) [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 430.2 SF* (STA. 12+20.00 TO STA. 12+40.00)] X 0.06 GAL PER SY = 33 GAL TEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) [4541.8 SF* (5TA. 10+20.00 TO STA. 14+45.00) + 422.8 SF* (5TA. 12+20.00 TO STA. 12+40.00)] X 1.75" = 27 CY

301

56000

2

92

ASPHALT CONCRETE BASE, PG64-22 (449)

202

56000

LS.

LS

BUILDING DEMOLISHED, HOUSE

204

10000

ΥS

558

SUBGRADE COMPACTION

202

38000

FŢ

25

GUARDRAIL REMC

OVED

ITEM 301, ASPHALT CONCRETE BASE, PG64-22 (449) [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 430.2 SF* (STA. 12+20.00 TO STA. 12+40.00)]* X 6" = 92 CY

ITEM 304, AGGREGATE BASE [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 441.3 SF* (STA. 12+20.00 TO STA. 12+40.00)] X 6" = 92 CY

ITEM 204, SUBGRADE COMPACTION 4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 477.9 SF* (STA. 12+20.00 TO STA. 12+40.00)= 558 SY

ITEM 617, COMPACTED AGGREGATE, AS PER PLAN 55.1 SF* (LT.) X 4" = 1 CY ITEM 408, PRIME COAT, AS PER PLAN 55.1 SF* X 0.40 GAL PER SY = 22 GAL

ITEM 609, CURB, TYPE 6 383 FT "CADD-GENERATED AREA

GUARDRAIL CALCULATIONS

ITEM 202, GUARDRAIL REMOVED =25 FT LIMITS: STA. 12+20.00 TO STA. 12+40.00

ITEM 606, GUARDRAIL, TYPE 5, USING 9 FOOT POSTS = 25 FT

BUILDING DEMOLISHED

LOCATION: STA. 11+10.00 115.5'LT

ITEM 202, BUILDING DEMOLISHED, HOUSE =LUMP SUM

QUANTITIES CARRIED TO GENERAL SUMMARY

617

10101

S

COMPACTED AGGREGATE, AS PER PLAN

609

26000

FT

383

CURB, TYPE 6

441

50300

Ş

27

ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)

606

13030

Ŧ

25

GUARDRAIL, TYPE

5, USING 9 FOOT POSTS

441

50000

S

19

ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22

408

10001

GAL

22

PRIME COAT, AS PER PLAN

407

20000

GAL

66

NON-TRACKING TA

ACK COAT

304

20000

2

92

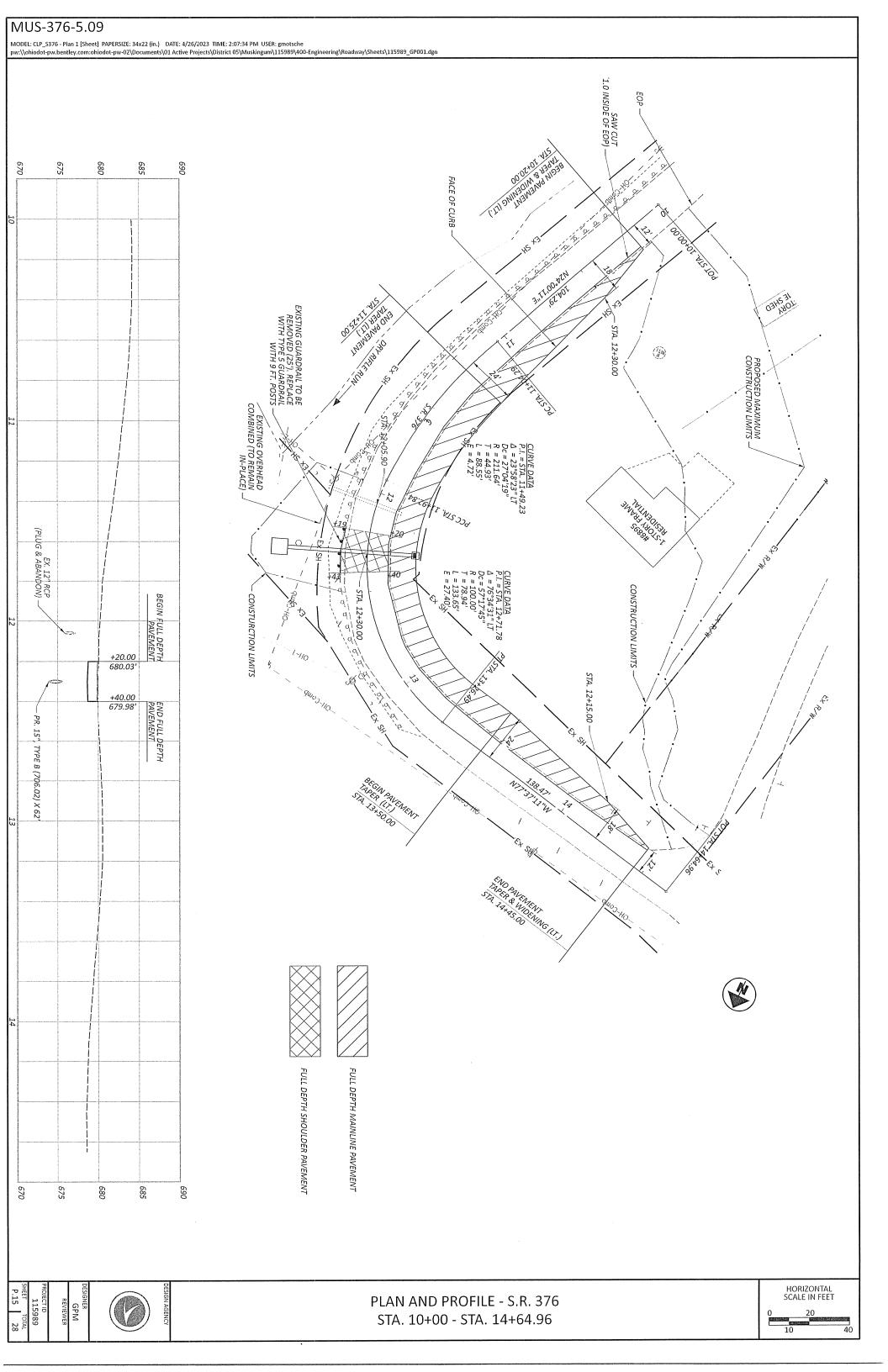
AGGREGATE BASE

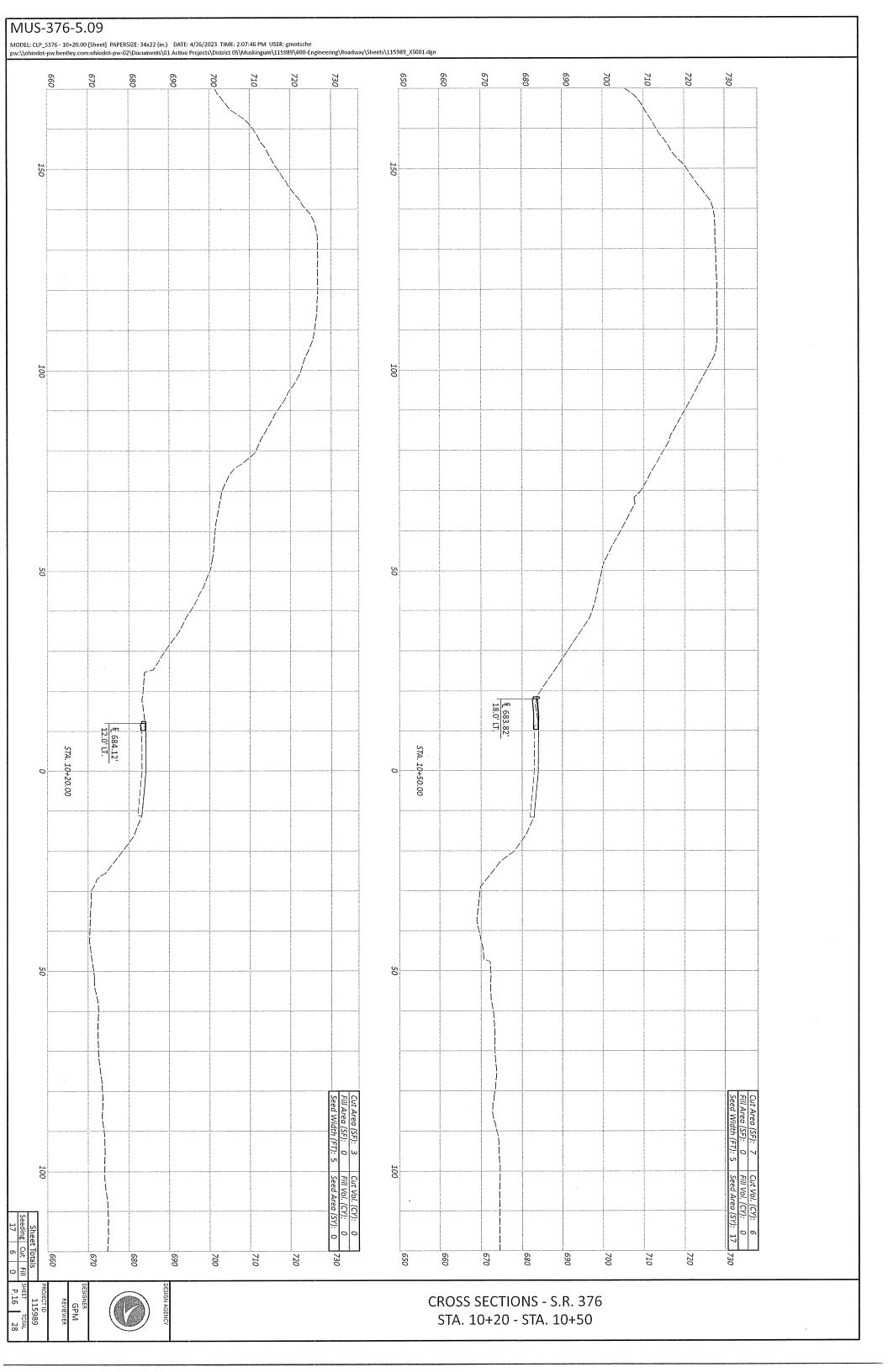
			ESTITION	ESTIMATED PAVEINENT MARKING COMMITTES
 ITEM	ITEM ITEM EXT UNIT		TOTAL	ITEM DESCRIPTION
 621	00100	EACH	2	RPM
 621	54000	EACH	2	RAISED PAVEMENT MARKER REMOVED
 642	00104	MILE	0.09	0.09 EDGE LINE, 6", TYPE 1
 642	00300	MILE	0.01	0.01 CENTER LINE, TYPE 1

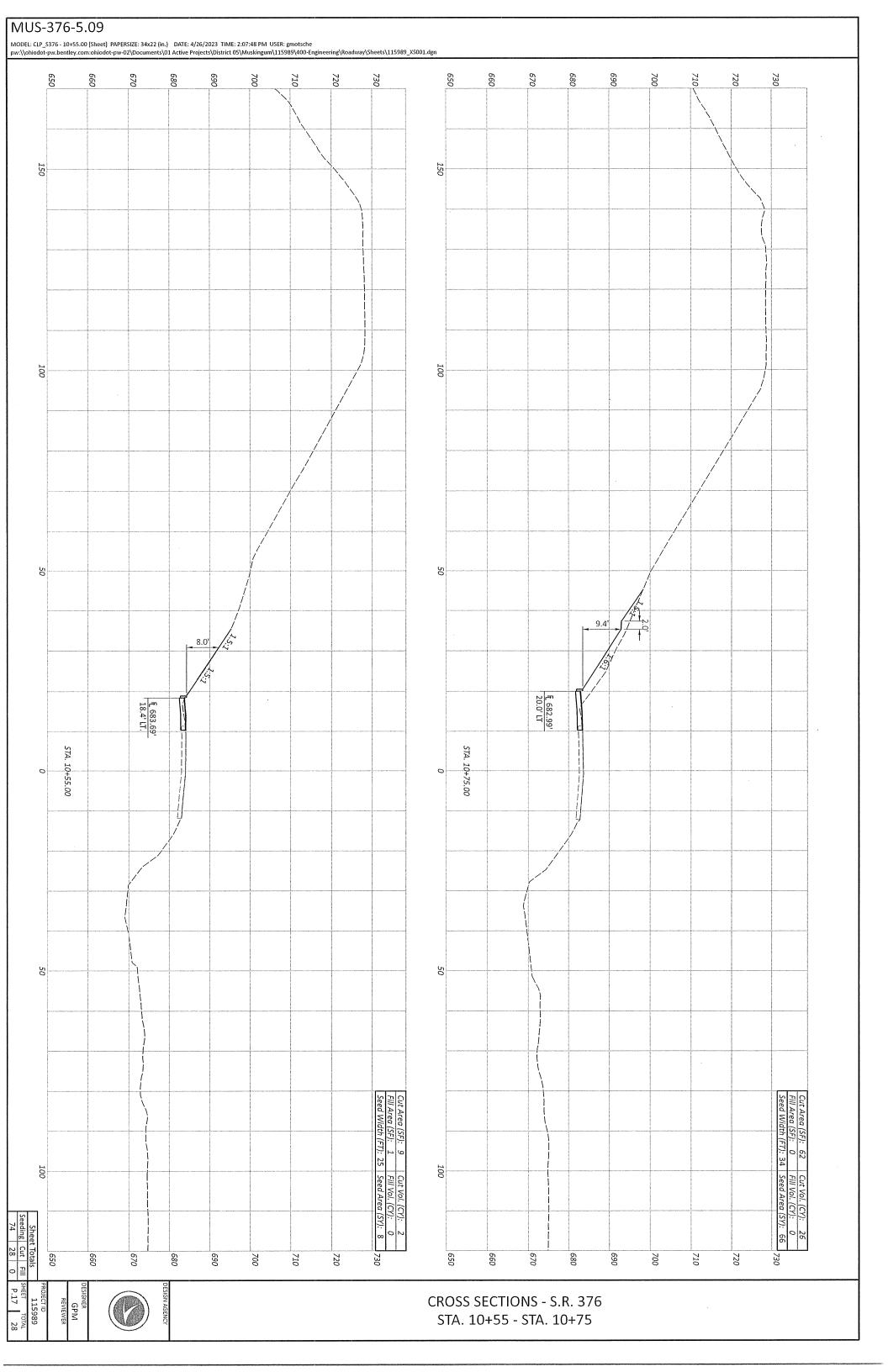
QUANTITIES CARRIED TO GENERAL SUMMARY

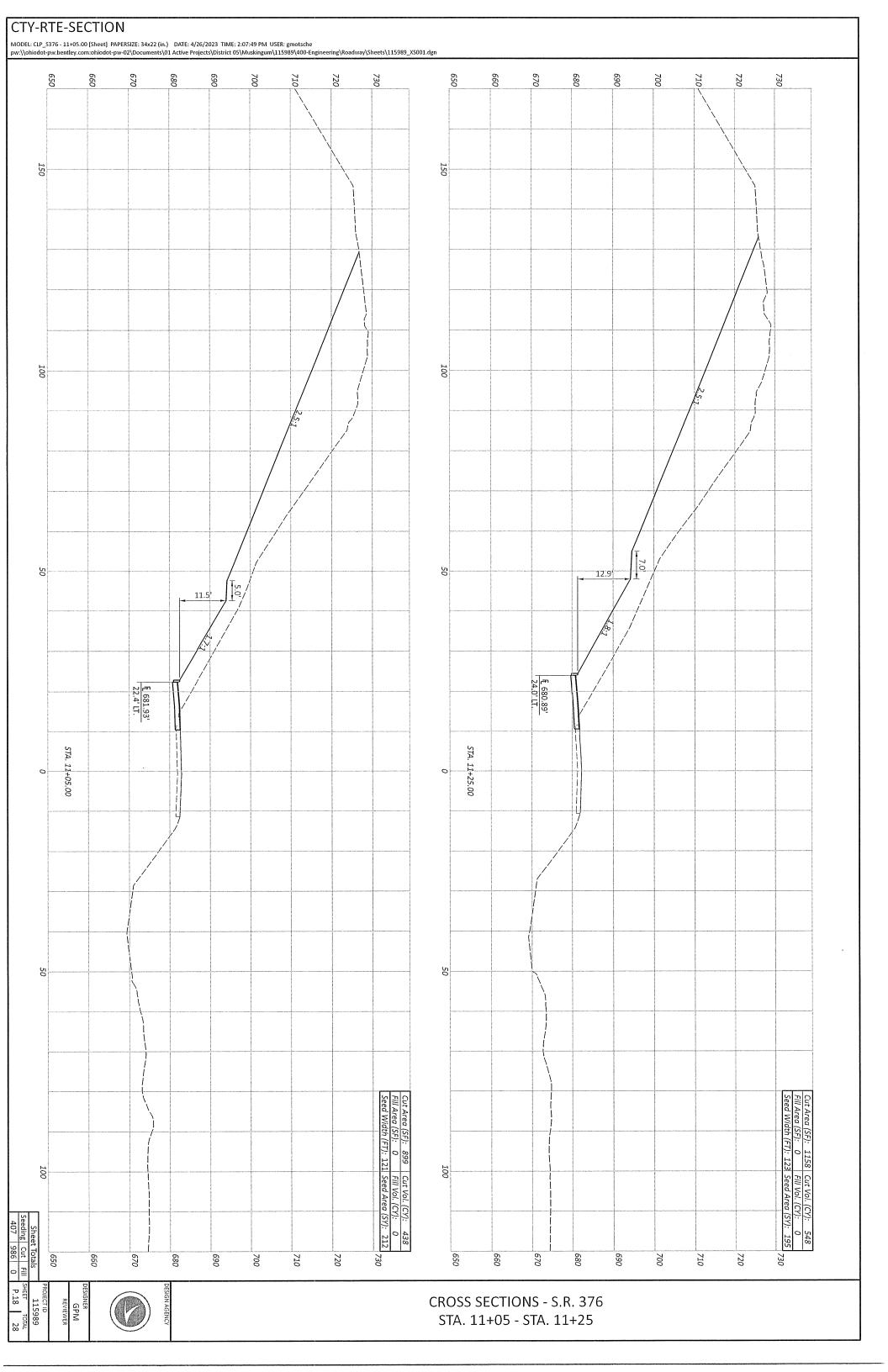
GNER GPM REVIEWER

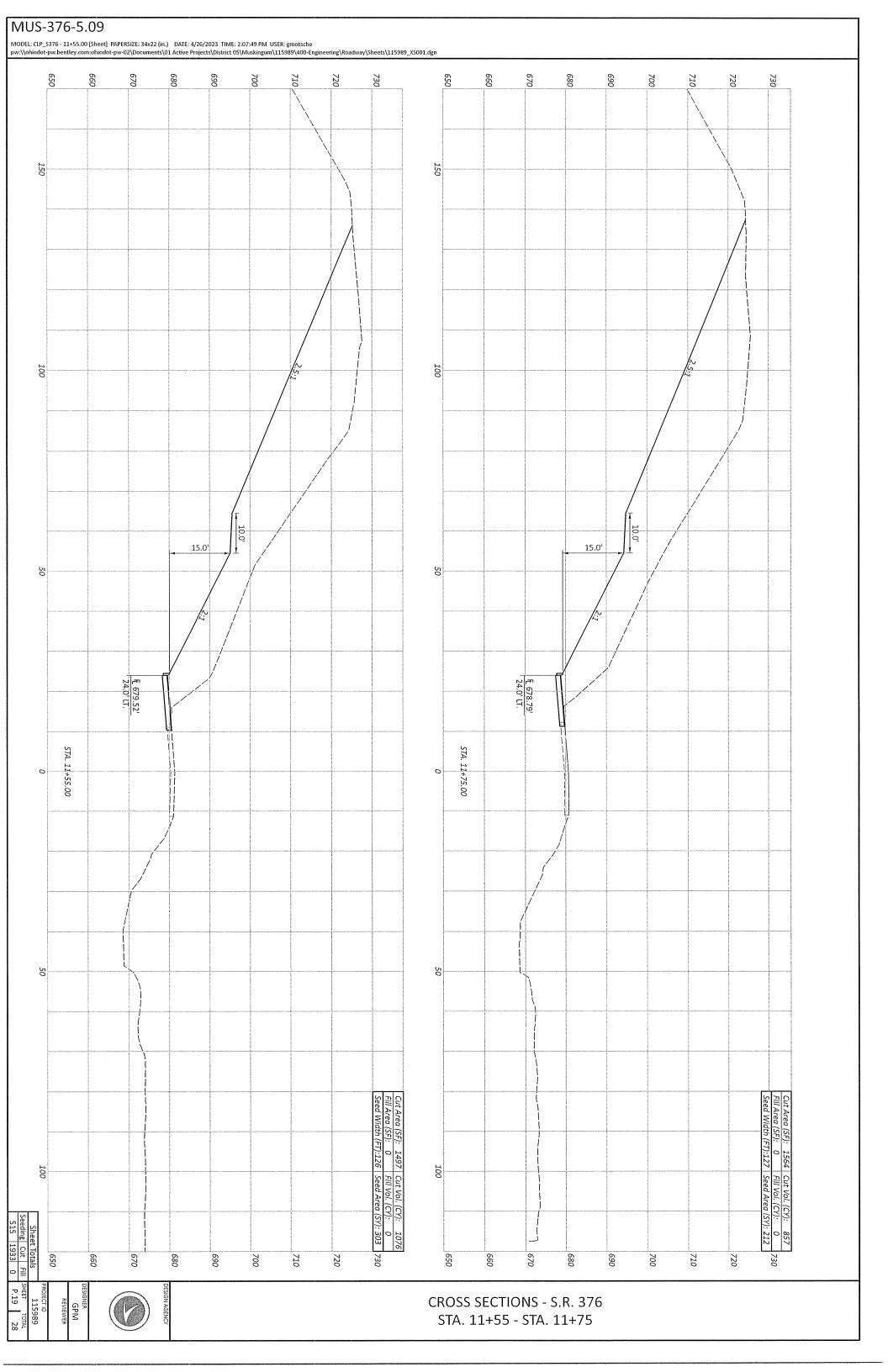
CALCULATIONS

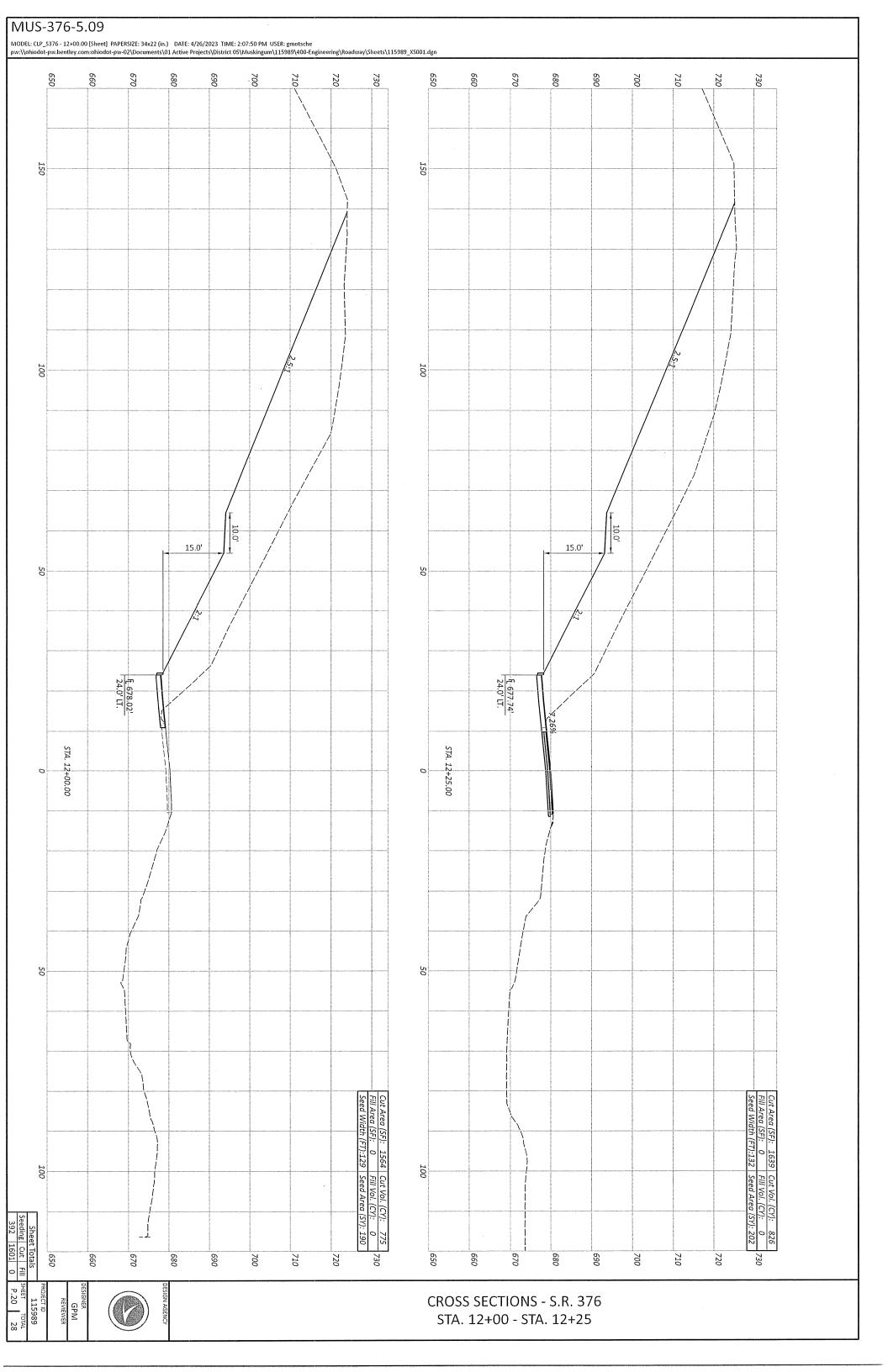


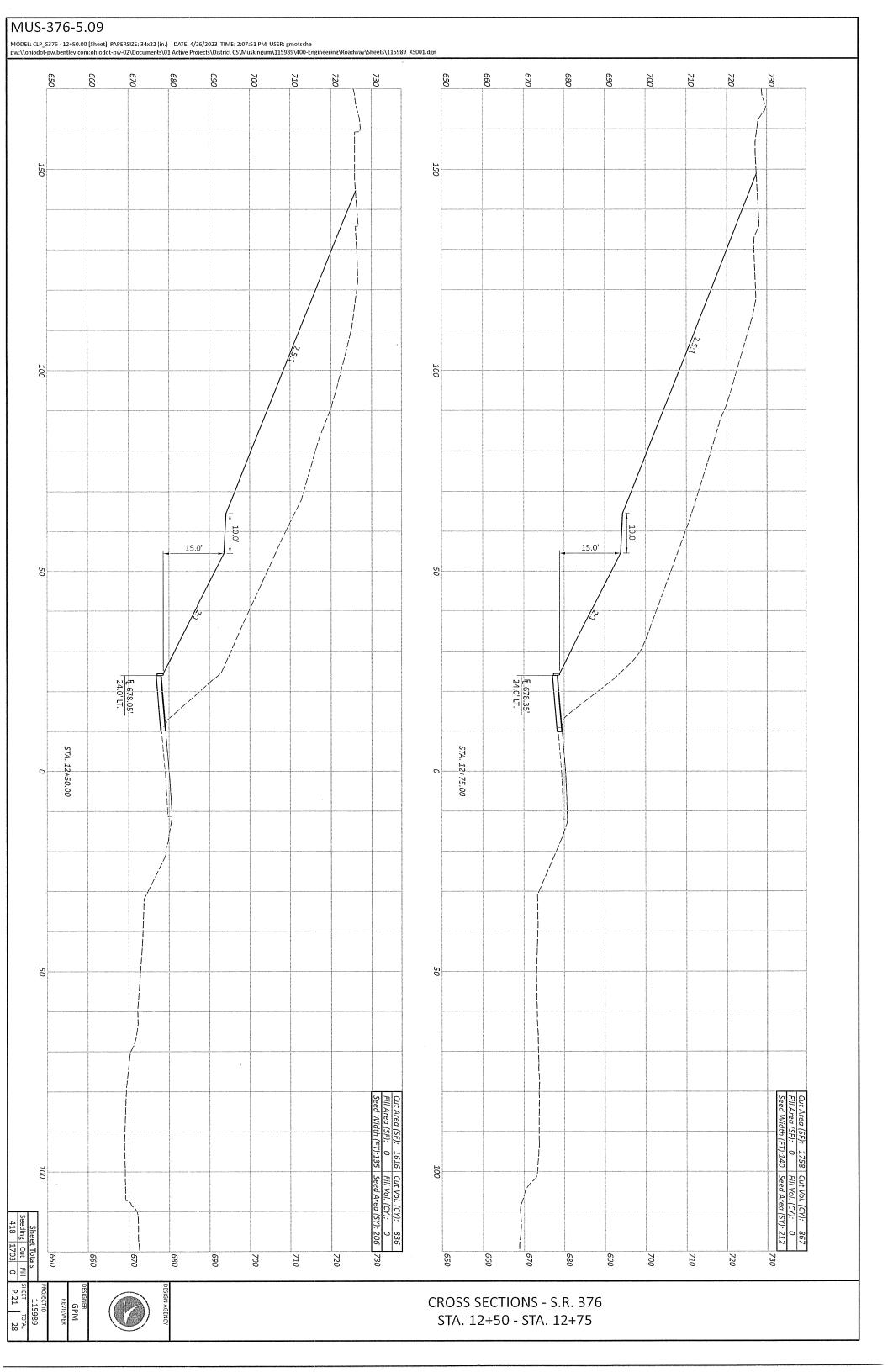


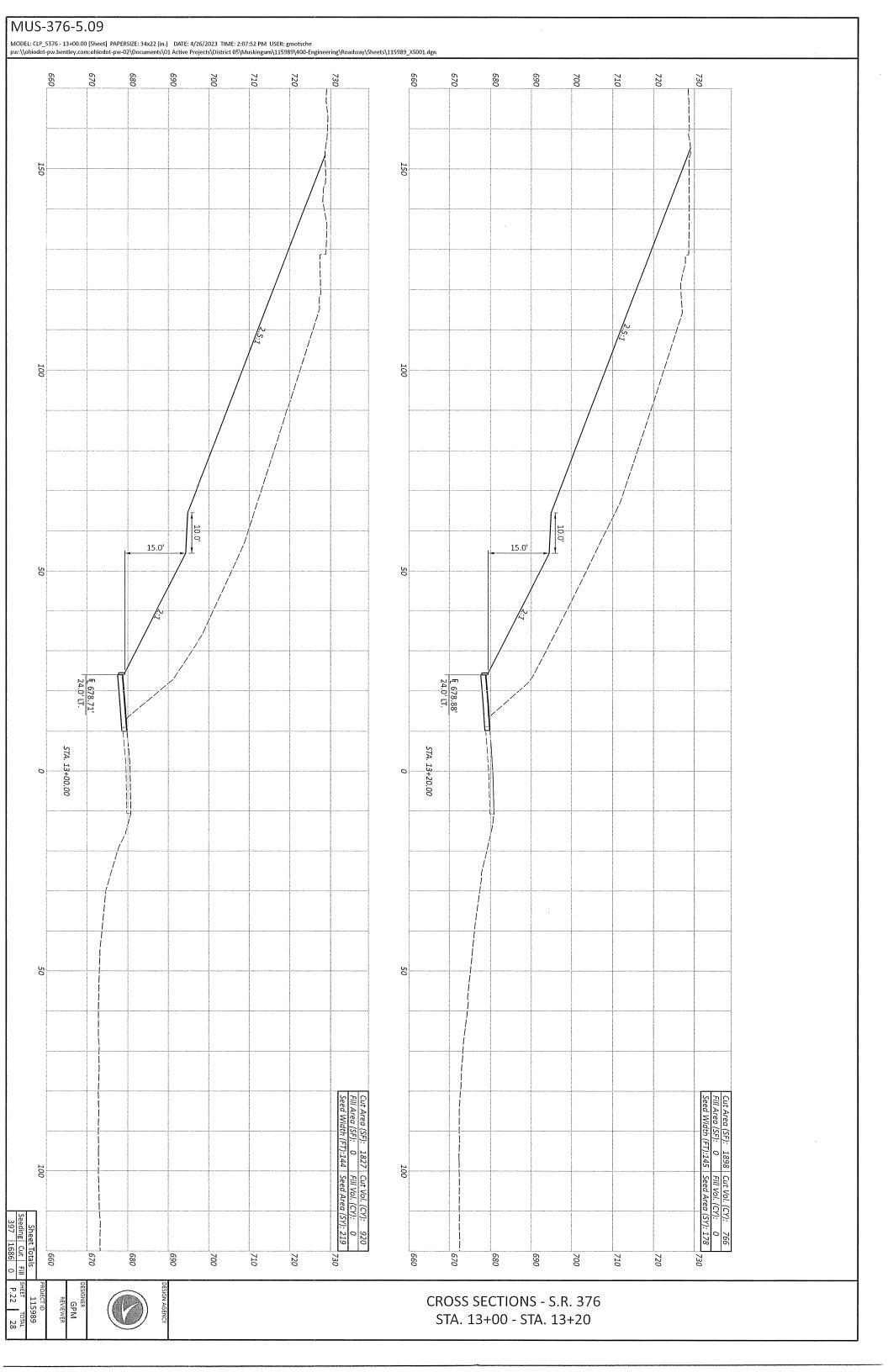


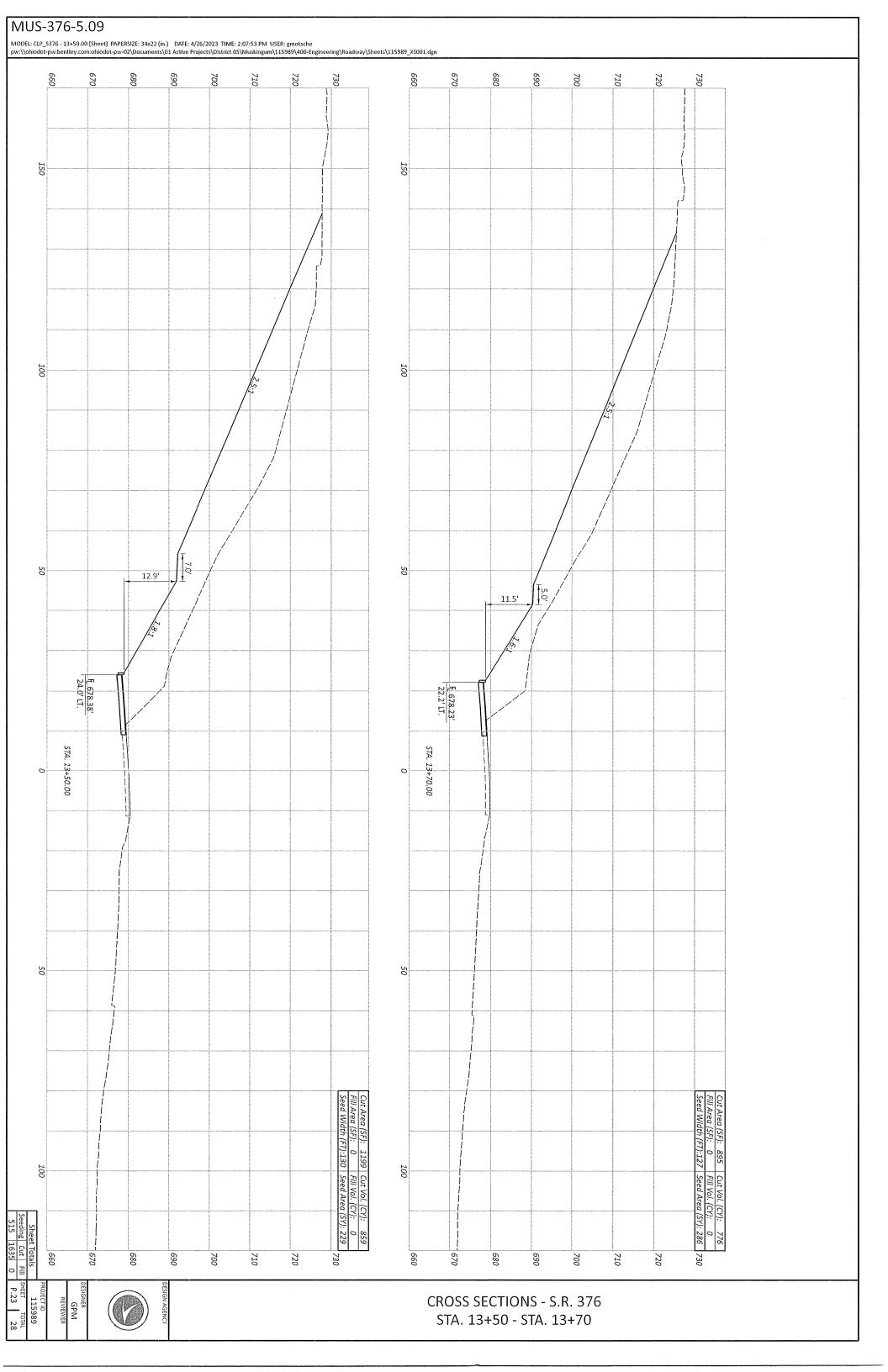


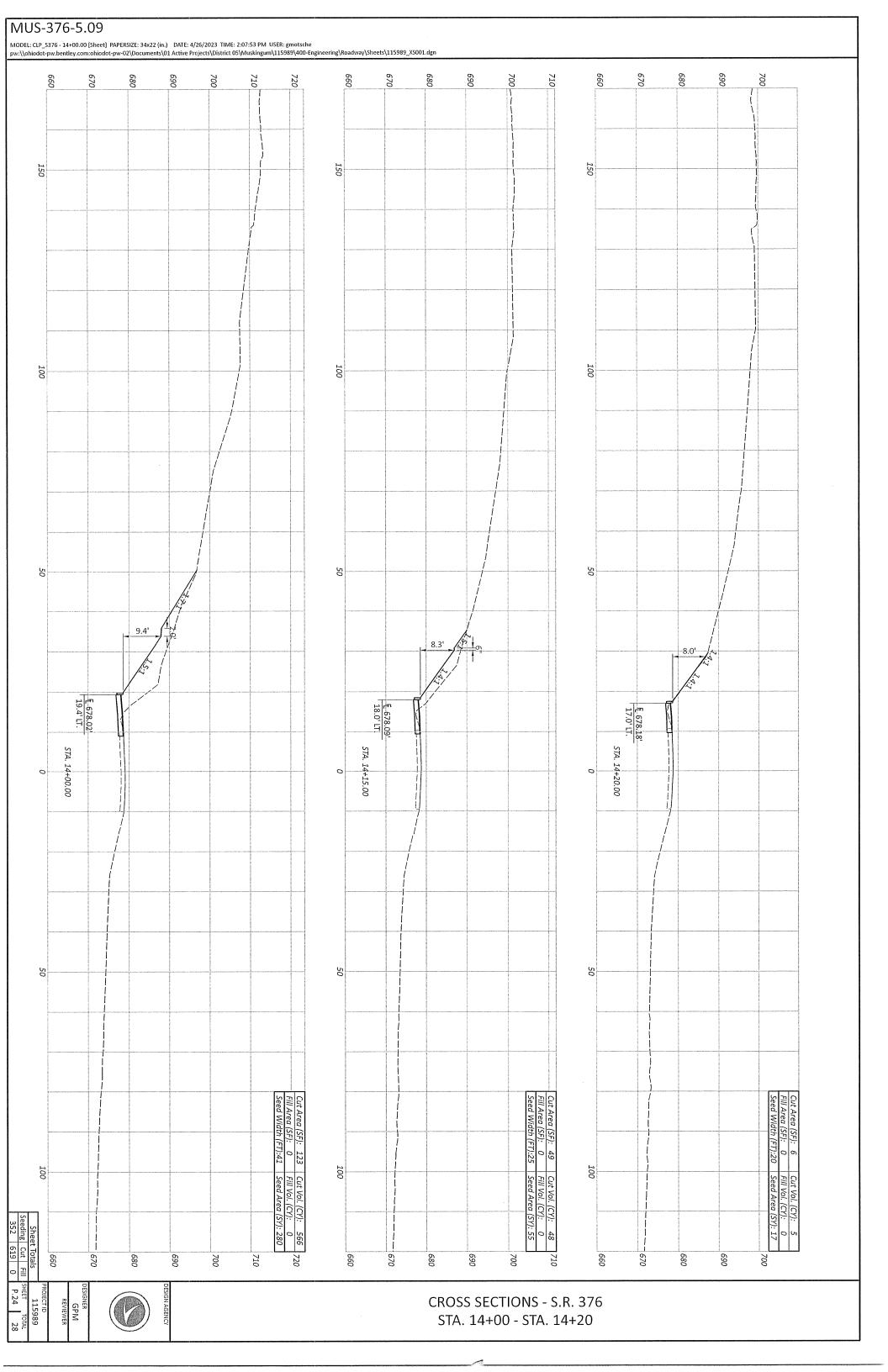


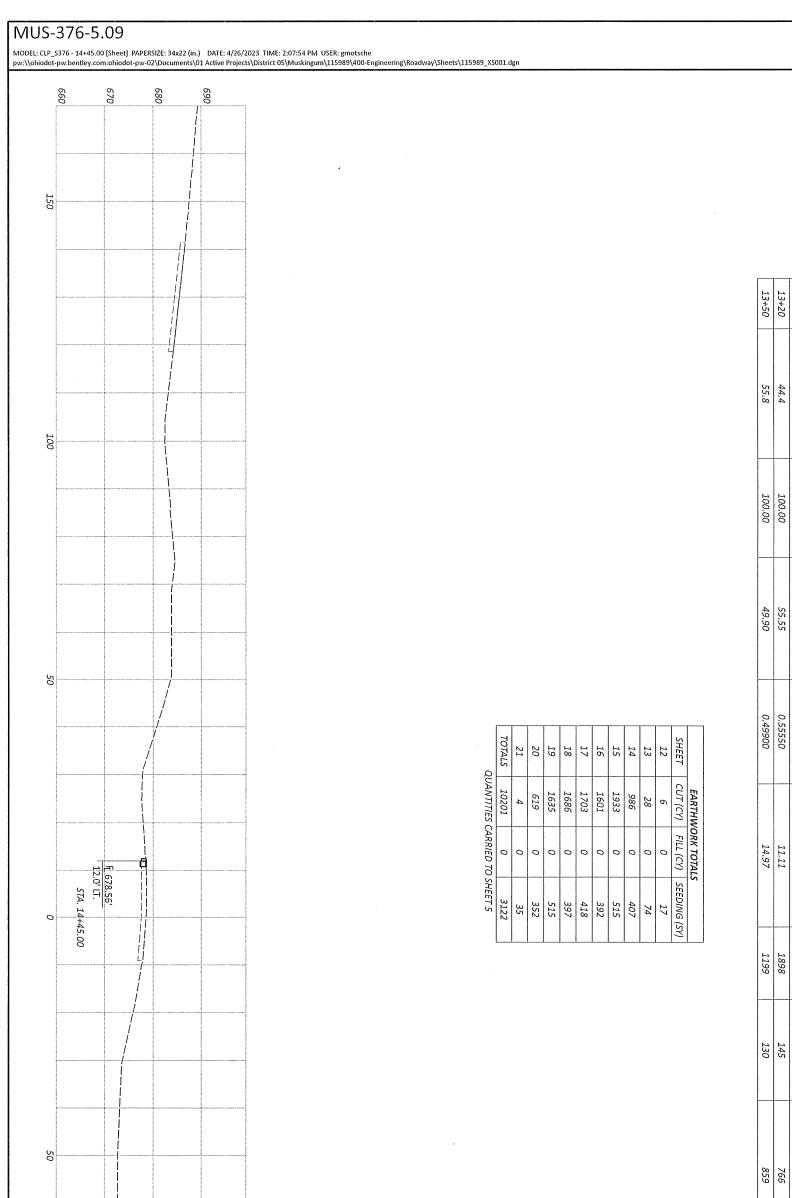












			EARTHWORK CORF	EARTHWORK CORRECTIONS DUE TO ROADWAY CURVATURE	RVATURE			
CENTROID GRADING (FT)	CURVE RADIUS (FT)	CORRECTED RADIUS(FT)	ALIGNMENT FACTOR	CORRECTED ARC LENGTH (FT)	CUT AREA (SF)	SEEDING WIDTH (FT)	CORRECTED CUT VOLUME (CY)	CORRECTED SEED AREA (SY)
17.0	211.64		1	•	62	34	-	1
58.9	211.64	173.69	0.82069	24.62	899	121	438	212
59.9	211.64	152.24	0.71933	14.39	1158	123	548	195
54.5	211.64	154.44	0.72973	21.89	1497	126	1076	303
48.9	211.64	159.94	0.75572	15.11	1564	127	857	212
44.0	100.00	53.55	0.53550	13.39	1564	129	775	190
44.6	100.00	55.70	0.55700	13.93	1639	132	826	202
44.4	100.00	55.50	0.55500	13.88	1616	135	836	206
44.6	100.00	55.50	0.55500	13.88	1758	140	867	212
44.5	100.00	55.45	0.55450	13.86	1827	144	920	219
44.4	100.00	55.55	0.55550	11.11	1898	145	766	178
ה ס	2000	200	0	2 001	4,000	300	0	200

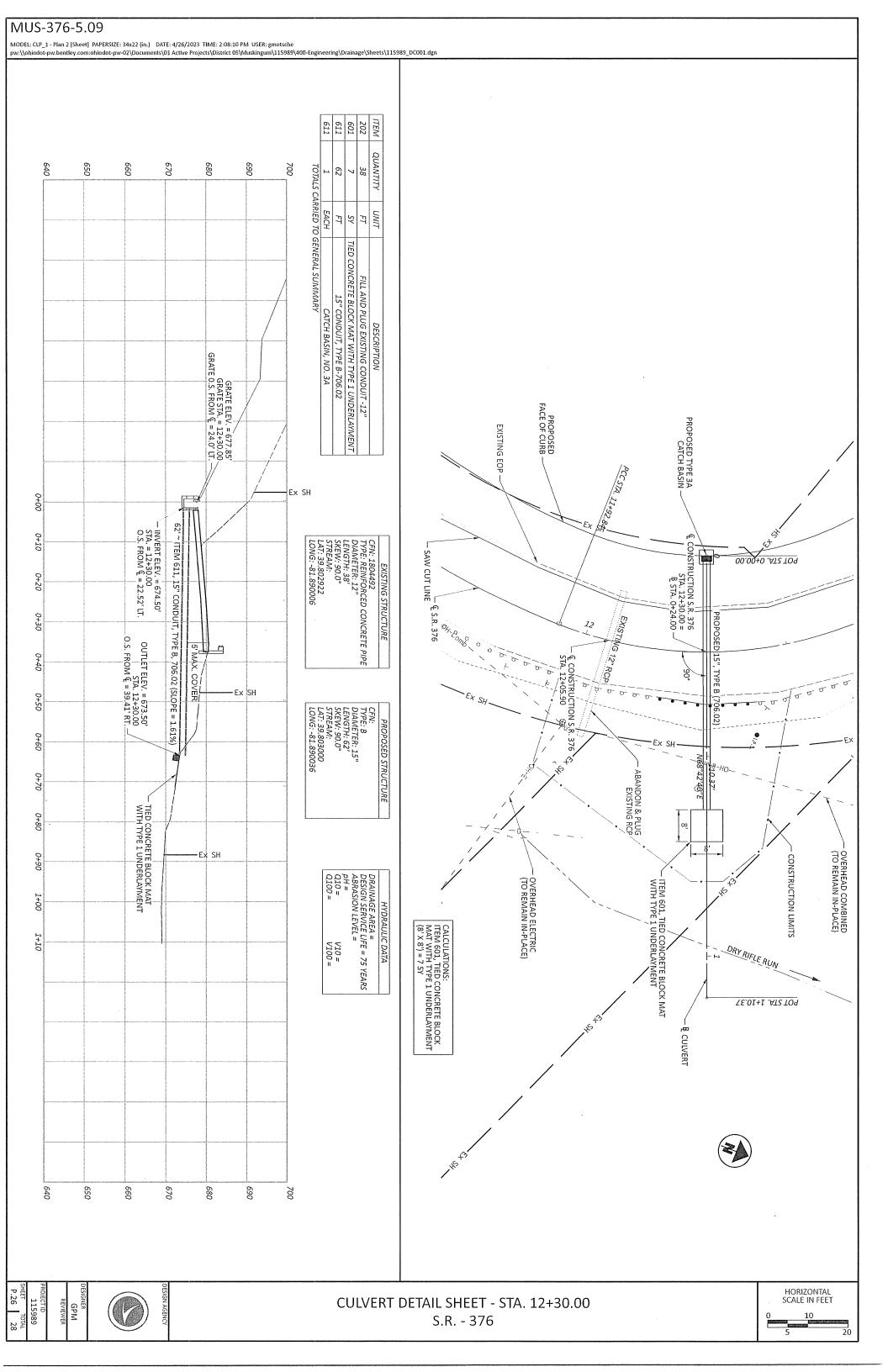
11+05 11+25 11+55 11+55 11+75 12+00 12+25 12+50

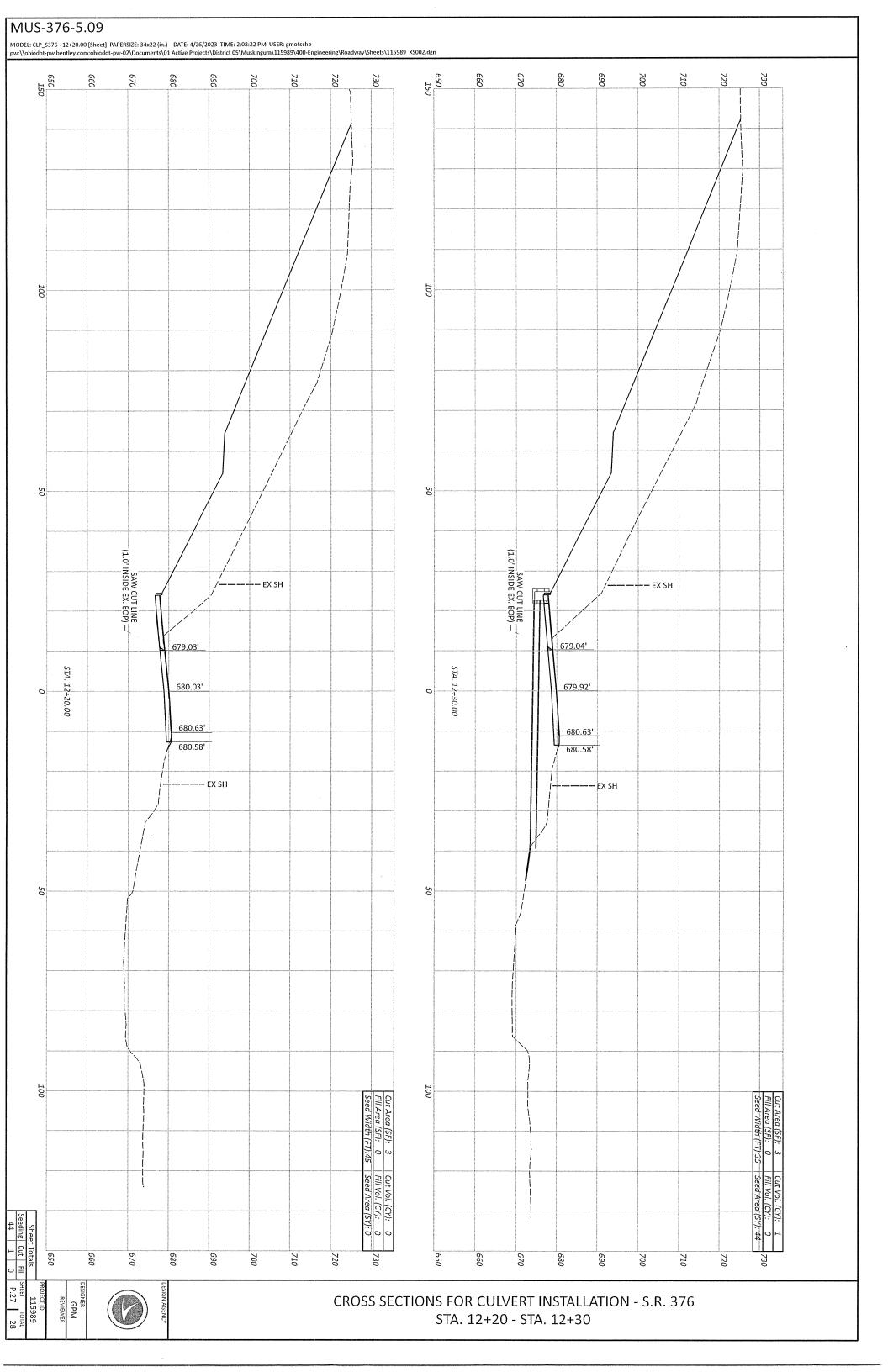
10+75

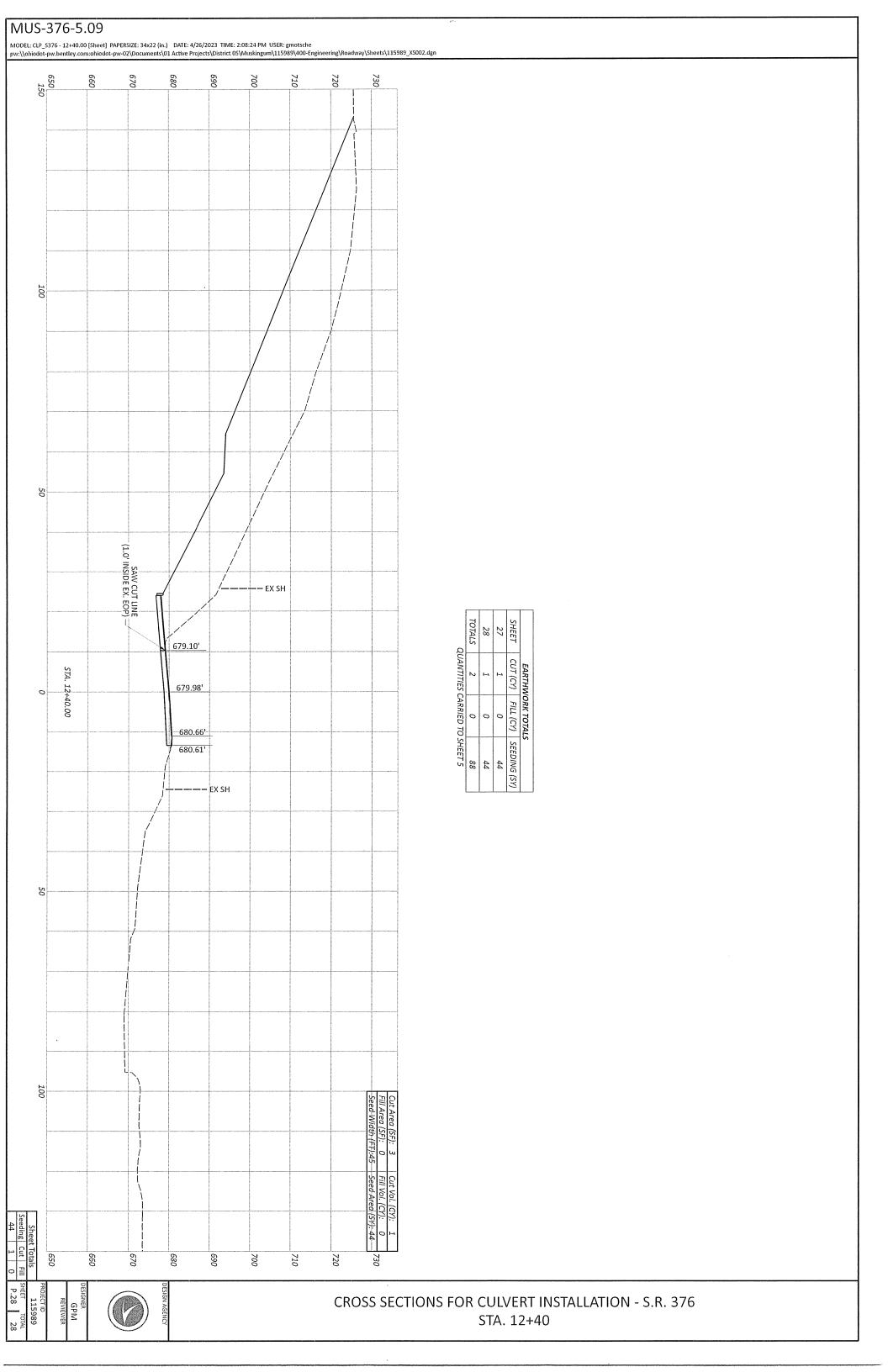
680

670

GPM REVIEWER







OHIO811, 8-1-1, or 1-800-362-2764 (Non members must be called directly)

OF TRANSPORTATION OHIO DEPARTMENT PLAN PREPARED BY: OHIO811.org

Before You Dig

DM-1.1 DM-4.4

MT-97. MT-101 MT-105

СВ-ЗА

NONE

DESIGN EXCEPTIONS

NHS PROJECT __

8

RURAL - MAJOR COLLECTOR DESIGN FUNCTIONAL CLASSIFICATION:

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

CURRENT ADT (2023)._____ COUNTY & TOWNSHIP ROADS **DESIGN DESIGNATION** STATE ROUTES ___ FEDERAL ROUTES .____ INTERSTATE HIGHWAY_____ DESIGN SPEED .__ TRUCKS (24 HOUR B&C) ----DESIGN YEAR ADT (2043).__. PORTION TO BE IMPROVED ... LEGAL SPEED __ DIRECTIONAL DISTRIBUTION ____ DESIGN HOURLY VOLUME (2043)___ LATITUDE: 39°48'11" LONGITUDE: -81°53'24" MUSKINGUM COUNTY LOCATION MAP MORGAN COUNT . 610 72 55% 3% 55 2

DEPARTMENT OF TRANSPORTATION STATE OF OHIO

HARRISON

MUS - 376 - 5.09

PROJECT AREA LM 5.02 TO 5.17

BLUE ROCK TOWNSHIP

MUSKINGUM COUNTY

INDEX OF SHEETS:

PLAN & PROFILE
GRADING CROSS SECTIONS
CULVERT DETAIL SHEET
CULVERT INSTALL CROSS SECTIONS

15 16-25 26 27-28

SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 12. I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY

John Manual Composition

Birector, Department of Transportation Jason L. S District 0 . Sturgeon, P.E.

STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIAL SPECIFICATIONS PROVISIONS	SPECIAL PROVISIONS
1/21/22	800-2019 SEE PROPOSAL	
7/15/22	832 7/15/22	
	902 7/19/19	
7/16/21		
1 7/17/20		
4 1/15/16		
7.10 4/19/19		
1.60 1/17/20		
1/17/20 1/17/20 Example 1/17/2	,	
20 10/18/13		
10 1/17/14		
11 7/15/22		

FEDER AL PROJECT NUMBER

RAILROAD INVOLVEMENT

PROJECT DESCRIPTION

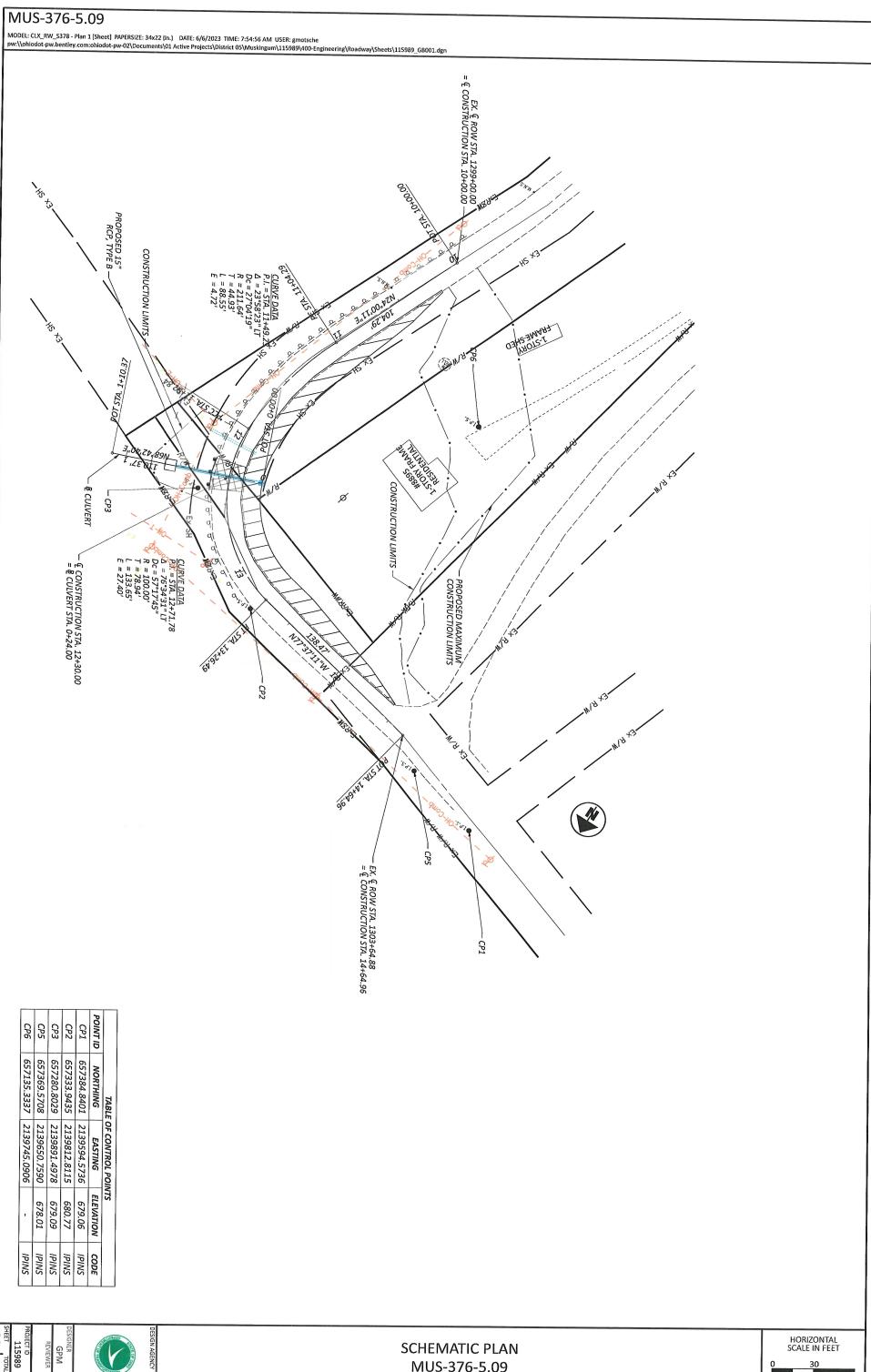
REMEDIATION OF ROCK CUT SLOPE THAT IMPROVES SLOPE STABILITY

EARTH DISTURBED AREAS

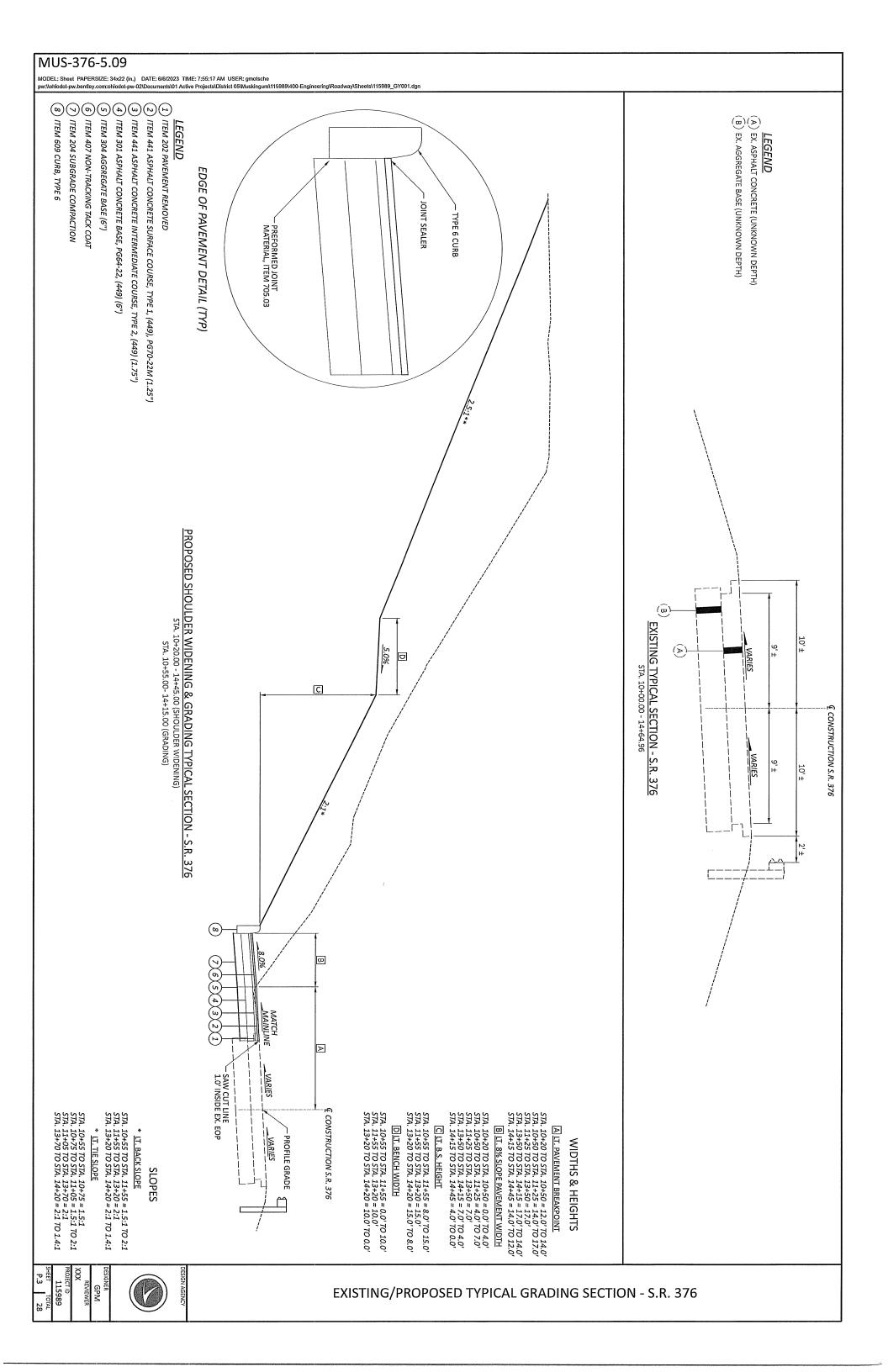
NOTICE OF INTENT EARTH DISTURBED AREA:	ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	PROJECT EARTH DISTURBED AREA:
0.68 ACRES	0.10 ACRES	0.58 ACRES

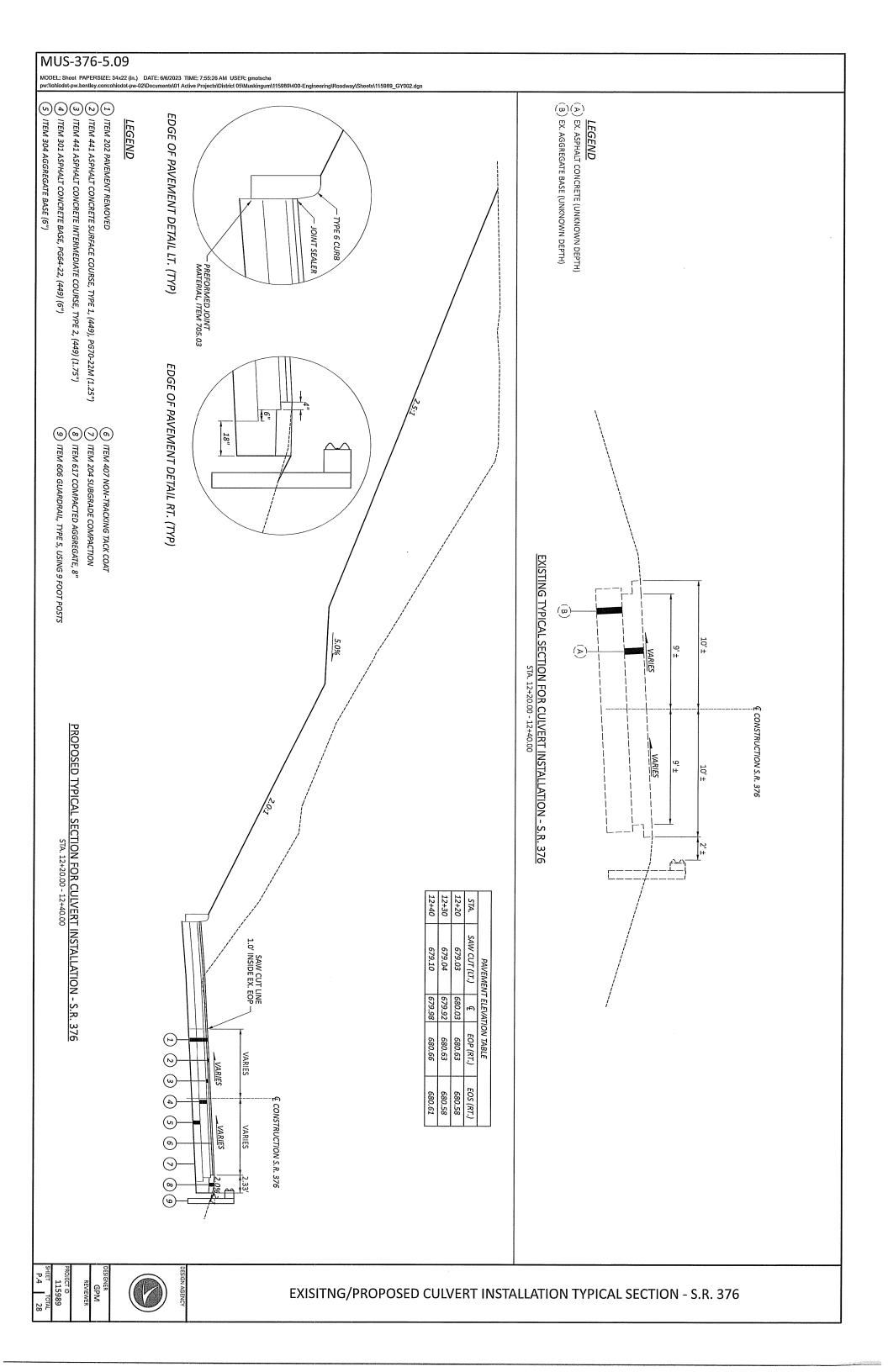
SIGNER

115989



MUS-376-5.09





ROUNDING

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

RESPECTIVE OWNERS:

PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR SECTION 153.64 O.R.C. PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY ISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE

AT&T Ohio 160 North Sixth Street Zanesville, Ohio 43701 Attn: Barret Tamasovich 740-454-3552 BT2178@att.com Guernsey-Muskingum Electric

> Hebron, Ohio 43025 Attn: Will Poling 740-641-8751 Natural Gas and Oil Cooperative 120 O'Neil Drive wpoling@theenergycoop.com

17 South Liberty Si New Concord, Ohi Attn: Blake West bwest@gmenergy.com

rty Street , Ohio 43762

Spectrum Cable TV
737 Howard St.
Zanesville, Ohio 43701
Attn: Zack Allen
614-255-2819
Zackary.Allen1@charter.com

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

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

EXISTING STRUCTURE VERFICATION

AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED CONSEQUENTLY, THEY AREA INDICATIVE OF THE EXISTING STRUCTURE PLANS OF THE EXISITNG PIPE'S ORIGINAL INSTALLATION. THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM THE DESIGN DETAILS AND DIMENSIONS SHOWN ON THE PLANS PERTAINING TO C&MS 102.05 AND 105.02. TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO

FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD. UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION

THE CONTRACTOR SHALL COMPLY WITH CMS SECTION 107.10 FOR ALL BORROW AND WASTE AREAS ASSOCIATED WITH THE PROJECT.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE

EARTHWORK

ITEM 203, EXCAVATION (10203 CY) 10201 CY (SHEET 25) + 2 CY (SHEET 28) = 10203 CY

SEEDING AND MULCHING

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

ITEM 659, SEEDING AND MULCHING, CLASS 2 (3210 SY) 3122 SY (SHEET 25) + 88 SY (SHEET 28) = 3210 SY

ITEM 659, COMMERCIAL FERTILIZER (0.4 TON) 1 TON PER 7,410 SY OF PERMANENT SEEDED AREA

ITEM 659, LIME ACRES (0.7 ACRE) 3210 / 4840 = 0.7 ACRE

ITEM 659, WATER (17 M. GAL) 3210 X 0.0054 M. GAL / SY = 17 M. GAL

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

ITEM 617, COMPACTED AGGREGATE, AS PER PLAN

ASPHALT CONCRETE PAVEMENT (RACP MEETING REQUIREMENTS BE WAIVED. IF SO PERMITTED, THE CONTRACTOR MAY USE RECYCLED REQUIREMENTS SHALL BE AS SPECIFIED EXCEPT THE INDEX SHALL REQUIREMENTS EXCEPT SHALE SHALL BE WAIVED. OTHER GRADATION ALL AGGREGATE SHALL BE 100% CRUSHED LIMESTONE. ALL QUALITY 716.02) IN LIEU OF LIMESTONE.

REVIEW OF DRAINAGE FACILITIES

MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL

CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL AS DIRECTED AND APPROVED BY THE ENGINEER. INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE

IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED

ENDANGERED BAT HABITAT REMOVAL

AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET. DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES

TEM 407, NON-TRACKING TACK COAT

APPLICATION RATE OF 0.06 GAL/SY FOR TACK COAT UNDER THE SURFACE DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE SHALL BE PER CMS TABLE 407.06-1 AND SUBJECT TO ADJUSTMENT AS THE RATE OF APPLICATION OF THE ITEM 407, NON-TRACKING TACK COAT

TEM 690, SPECIAL - MISC.: ROADWAY PRESERVATION

STARTING THE EXCAVATION OF SLOPE AND REMOVAL OF WASTE MATERIALS. SUBMIT PROTECTION PLAN FOR THE PROJECT ENGINEER'S DOCUMENT THE ROADWAY AND GUARDRAIL CONDITIONS PRIOR TO PRESERVE THE EXISTING PAVEMENT AND GUARDRAIL. VIDEO

NECESSARY FOR PROTECTION OF EXISTING ROADWAY PAVEMENT. ITEMIZED SEPARATELY, INCLUDE ALL LABOR, MATERIALS, AND TOOLS CONSTRUCTION AT NO ADDITIONAL COSTS TO THE STATE. UNLESS REPAIR ANY DAMAGE TO THE ROADWAY AND GUARDRAIL DURING

TEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED ITEM 613, EXISTING 12 INCH DIAMETER CONDUIT AND FILLING THE AREA SEALED SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER. THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN

CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES. INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR

IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED FILLED AND PLUGGED AS DESCRIBED ABOVE. OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT

BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING

ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEYING,

LAYOUT STAKES AND SURVEYING, THE CONTRACTOR THE FOLLOWING INFORMATION TO THE DEPARTMENT: IN ADDITION TO THE REQUIREMENTS OF ITEM 623, CONSTRUCTION SHALL PROVIDE

SURVEYOR'S CERTIFICATION SHALL BE DELIVERED TO: AN EMAIL CONTAINING A COMMA DELIMITED ASCII FILE AND DEPARTMENT OF TRANSPORTATION OFFICE OF CADD & MAPPING COORDINATES (GRID). THE CONSTRUCTION ITEMS SHALL BE LOCATED AS PER THE SURVEY FEATURE CODE LIST FOUND ON THE OHIO SPECIFIED COMPLETED CONSTRUCTION ITEMS IN OHIO STATE PLANE SERVICES WEBSITE. AFTER ALL INFORMATION HAS BEEN COLLECTED, THE CONTRACTOR SHALL PROVIDE AS- BUILT DATA FOR

Steven.Miller@dot.ohio.gov (D5 CONSTRUCTION AREA ENGINEER) Cody.Gierhart@dot.ohio.gov (D5 GIS COORDINATOR) AND

ITEM 408, PRIME COAT, AS PER PLAN

SEVEN (7) DAYS AFTER PLACEMENT OF THE AGGREGATE SHOULER OR OF PAVEMENT OR EDGE LINE. THE ATTENTION OF THE CONTRACTOR OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING LIQUIDATED DAMAGES PER CMS 108.07 WILL BE ASSESSED. THE TO REDUCE AGGREGATE LOSS, THE PRIME COAT SHALL BE APPLIED WITHIN AT A RATE OF 0.40 GAL/SY TO THE COMPLETED AGGREGATE SHOULDER. THE CONTRACTOR SHALL APPLY ONE COAT OF MC-70 (AS PER CMS 702)

ITEM 690 SPECIAL, ROADWAY PRESERVATION, LUMP

OCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED,

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY

SYSTEN

600,000M, Y=0M

PLAN (CONTINUED) 23, CONSTRUCTION LAYOUT STAKES AND SURVEYING,

AS PER

ITEM 6

THE ASCII FILE SHALL INCLUDE A HEADER CONTAINING.

HORIZONTAL DATUM (I.E. NAD83 (2011), OHIO SPCS NORTH OR SOUTH) METHOD OF COLLECTION (I.E. OHIO VRS, GPS RTK, TOTAL STATION, ETC.) VERTICAL DATUM (I.E. NAVD 88, GEOID12A) OF SURVEYOR) OF COLLECTION

DATE(S

NAME

THE ASCII FILE SHALL BE IN TABLE FORM AS FOLLOWS:

/NORTHING/EASTING/ELEVATION/FEATURE CODE/DESCRIPTION

CULVERT INVERT AT INLET AND OUTLET THIS PROJECT: IS A LIST OF THE ITEMS THE CONTRACTOR SHALL PROVIDE FOR

BELOW PT. NO.,

ABOVE ITEMS SHALL BE COLLECTED USING SURVEY GRADE IPMENT MEETING THE REQUIREMENTS OF SECTION 400 IN THE STURVEY & MAPPING SPECIFICATIONS MANUAL.

ALL COSTS ASSOCIATED WITH OBTAINING THE INFORMATION LISTED RUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN. SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 623,

ABOVE

SUMMARY TO PERFORM THE WORK DESCRIBED ABOVE: THE FOLLOWING QUANTITY HAS BEEN INLCUDED IN THE GENERAL

ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN (LS)

SURVE ING PARAMETERS

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

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

PROJEC T CONTROL

MONUMENT TYPE: POSITIONING METHOD: TYPE B ODOT D5 LOCAL RT NETWORK AND STATIC GPS OBSERVATIONS

VERTICAL POSITIONING

GEOID: ORTHOMETRIC HEIGHT DATUM: NAVD88

HORIZONTAL POSITIONING

COORDINATE SYSTEM: MAP PROJECTION: REFERENCE FRAME: NED SCALE FACTOR: OF COORDINATE GRS 1980 LAMBERT CONFORMAL CONIC NAD83 (2011) OHIO NORTH 0.99995376

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

SIGN AGENC

GPM

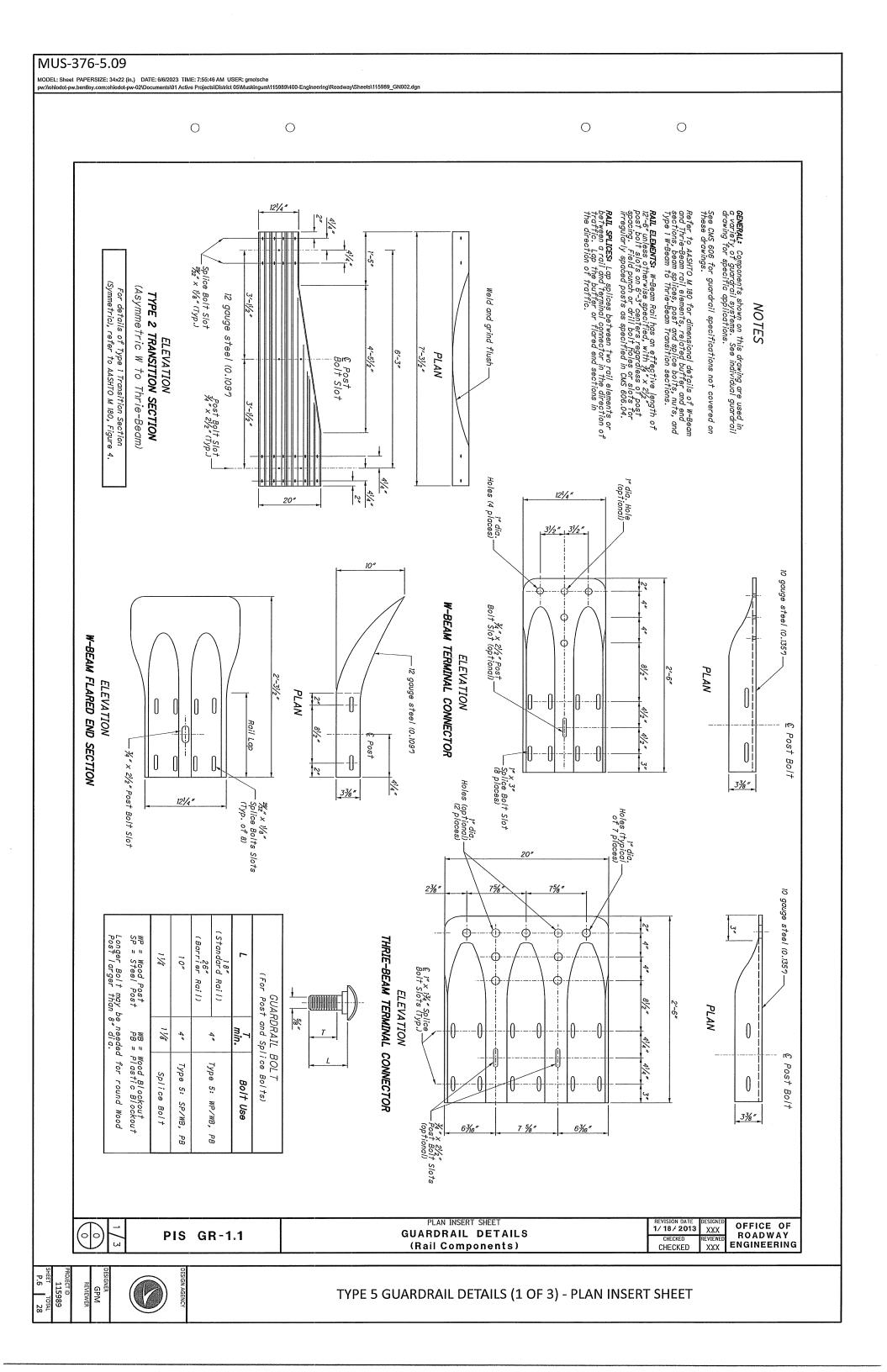
REVIEWER

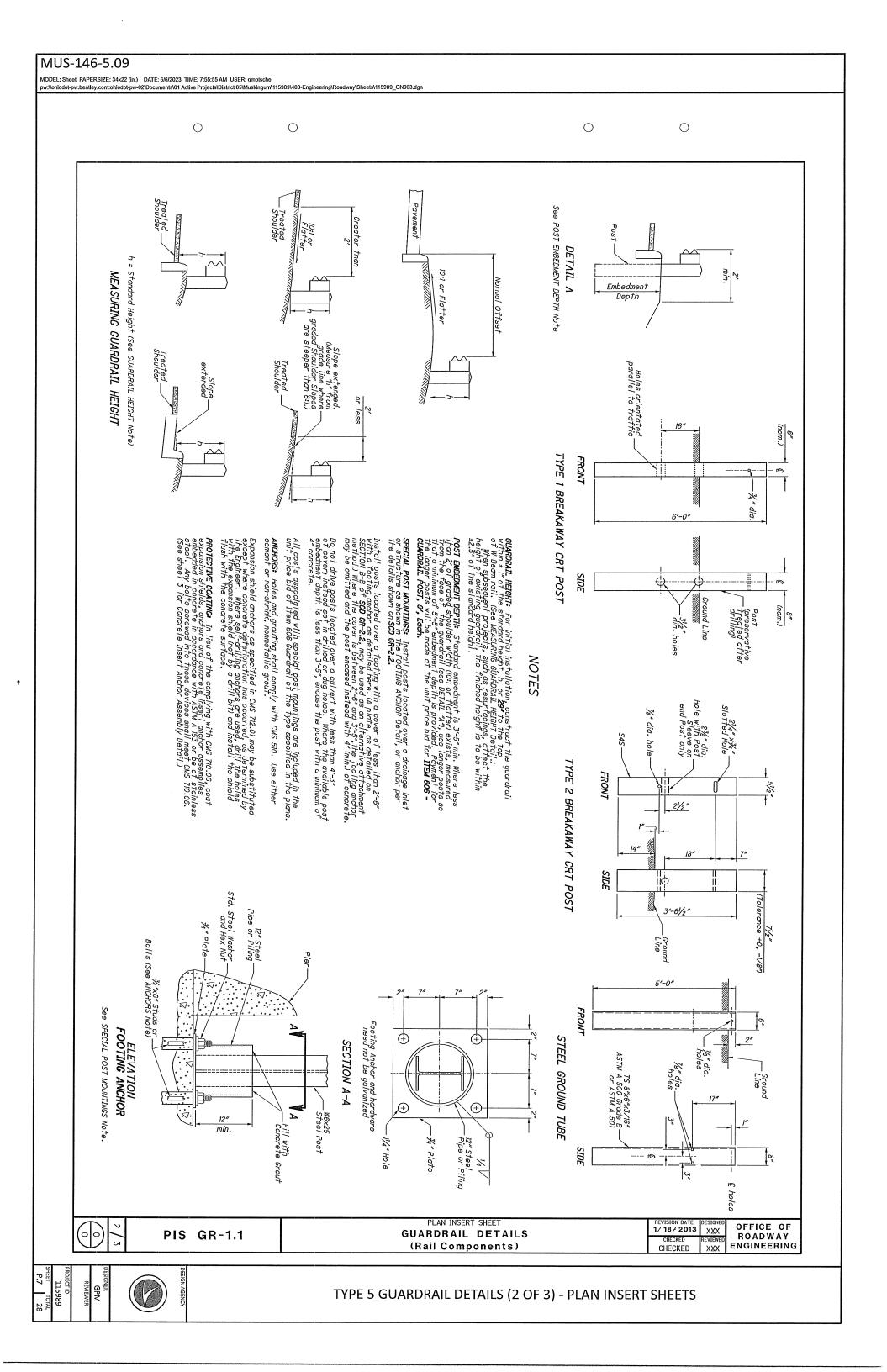
115989

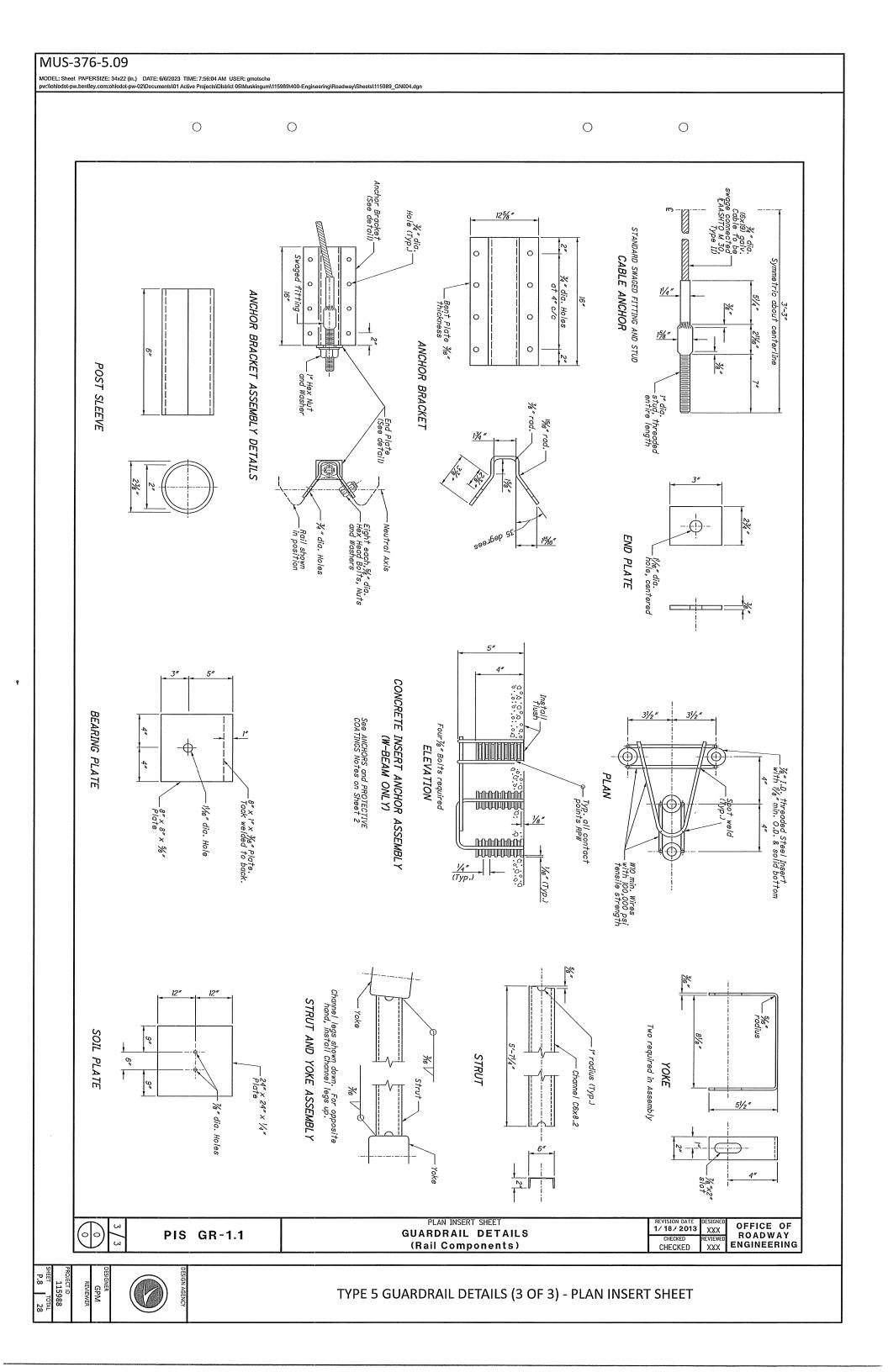
CMS 623. UNITS

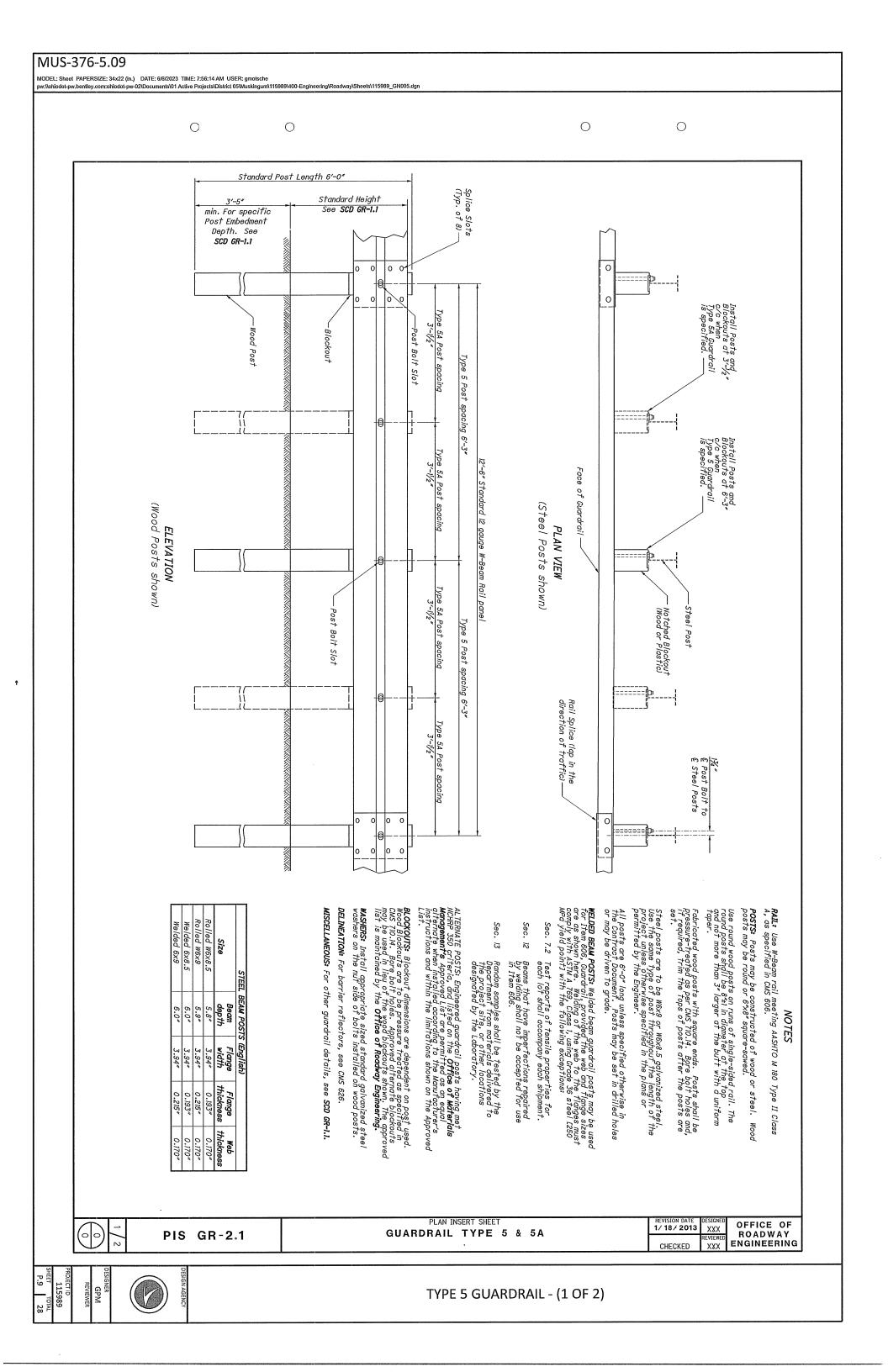
ARE IN U.S. SURVEY FEET.

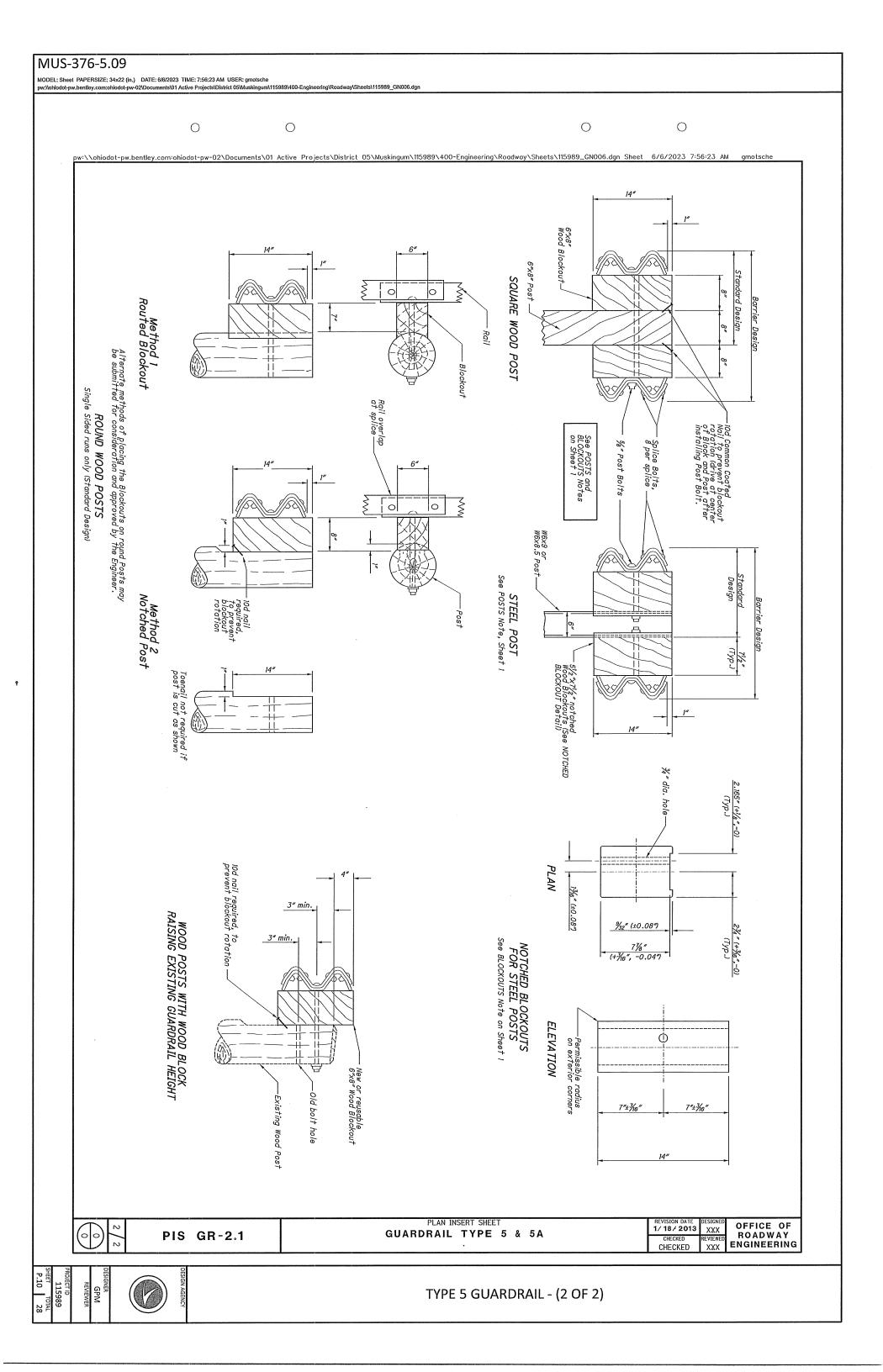
GENERAL NOTES











MAINTAIN TRAFFIC DURING CONSTRUCTION.

CONSTRUCTION NOTIFICATION

CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES. OF TWENTY-ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM THIS INFORMATION TO THE FOLLOWING: AND/OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD

BY FAX: (614) 887-4510 OR BY EMAIL: D05.PIO@DOT.OHIO.GOV BY FAX: (614) 887-4525 OR DISTRICT PERMIT SECTION DISTRICT PUBLIC INFORMATION OFFICER (PIO)

BY FAX: (614) 728-4099 OR BY EMAIL: HAULING.PERMIT@DOT.OHIO.GOV CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY EMAIL: BRIAN.BOSCH@DOT.OHIO.GOV

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS VIA MEDIA SOURCES.

ITEM 614, MAINTAINING TRAFFIC

UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS LATEST REVISION. IN ADDITION, THE FOLLOWING REQUIREMENTS MAINTENANCE OPERATIONS SECTIONS OF THE OHIO MANUAL TRAFFIC SHALL BE MAINTAINED AS PER THE DETAIL SHEETS AND AND AS OUTLINED IN THE CONSTRUCTION AND OPERATIONS SECTIONS OF THE OHIO MANUAL OF

BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF A PERSON OR DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IMMEDIATELY, AS PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE OHIO PER 614.03.

LIMITS. SHALL BE PROVIDED WHETHER INSIDE OR OUTSIDE THESE WORK THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES REQURED BY THESE PLANS

THIS PROJECT WILL BE CONSIDERED OPEN TO TRAFFIC ONCE ALL EXCAVATION, AGGREGATE SHOULDER, GRADED DITCH, INSTALLATION OF PROPOSED CULVERT, AND PAVEMENT TO INTERMEDIATE COURSE HAS BEEN COMPLETED. PLANS INDICATE THE MINIMUM SIGNAGE WHICH MUST

INSTALLED AND/OR MAINTAINED DURING CONSTRUCTION. EXISTING SIGNS OR CONTRACTOR SUPPLIED SIGNS SHALL BE USED

THE ENGINEER SHALL RECORD INSTALLATION AN PROPOSED SIGNS, COVERED OR REMOVED, AND REERECTED SIGNS IN THE PROJECT DIARY. AND ND REMOVAL UNCOVERED 2 2

WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS DESCRIBED ABOVE SHALL BE INCLUDED IN THE LUMP UNLESS SEPARATELY ITEMIZED IN THE PLANS. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE CONTRACT PRICE FOR ITEM 614, MAINTAINING

THE FOLLOWING QUANTITY HAS BEEN INCLUDED IN THE GENERAL

ITEM 614, MAINTAINING TRAFFIC (LS)

NOTIFICATION OF TRAFFIC RESTRICTIONS

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

OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER. DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH 70, WITH ANY ALL ç

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

<u>Item</u> Ramp	<u>Item Duration of Closure</u> <u>Sian Displayed</u> Ramp >= 2 weeks	Sian Displayed to Public 14 calendar days prior to closure
Ramp & Road	>= 2 weeks 14 calendar days prior to closur > 12 hours & < 2 weeks 7 calendar days prior to closure	14 calendar days 7 calendar days p
Closures	< 12 hours	2 business days prior to closure
Lane Closures &	>= 2 weeks < 2 weeks	14 calendar days prior to closure 5 business days prior to closure

Start of & Traffic Construction Pattern Changes ⋛ 14 calendar days prior to implementation

Restrictions

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

TEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

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

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

NOTICE OF CLOSURE SIGN TIME TABLE

Closures	& Road	Ramp	<u>Item</u>
< 12 hours	> 12 hours & < 2 weeks	>= 2 weeks	Duration of Closure
2 business days prior to closure	7 calendar days prior to closure	14 calendar days prior to closure	Sian Displayed to Public

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

TEM 614, MAINTAINING TRAFFIC (SIGNS AND BARRICADES)

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

TEM 614, MAINTAINING TRAFFIC (ROAD CLOSED SIGN)

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

EACH

DUST CONTROL

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

ITEM 616, WATER (1 MGAL)

CRITICAL WORK

DAYS DESIGNATED THE CONTRACTOR WILL BE SUBJECT TO A DISINCENTIVE OF \$1000.00 PER DAY. ALL OTHER WORK IS TO BE COMPLETED BY THE PROPOSAL COMPLETION DATE. IF THE CRITICAL WORK IS NOT COMPLETED WITHIN THE CALENDAR

CRITICAL WORK TABLE: MUS-146-29.42

EXCAVATION, INSTALLATION OF CULVERT, & PAVEMENT TO ITERMEDIATE COURSE	DESCRIPTION OF CRITICAL WORK	מחוזכאר
SIXTY (60) CALENDAR DAYS	CALENDAR DAYS TO COMPLETE	מיויויכאר איסווא יאטררי ואיסט-דדס-צטידצ
\$1000 PER DAY	DIS-INCENTIVE (\$ PER DAY)	20.72

THE PROPOSAL. THE FINAL COMPLETION DATE FOR THE PROJECT WILL BE AS LISTED IN

AS A FLAGGING OPERATION. THE FINAL SURFACE COURSE AND THE STRIPING CAN BE PERFORMED

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL DETOUR ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE". EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER. RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL FROM HOLES, RIDGES, BUMPS, DUST, AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE THIS DETOUR ROUTE IS SHOWN ON SHEET 6. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ВE

THE FOLLOWING QUANTITIES ARE PROVIDED FOR USE AS DIRECTED DESIGNATED LOCAL DETOUR ROUTE.

WORK.

TEM 441, ASPHALT CONCRETE, MISC.: SPOT TREAMENT (20 CY)

ITEM 407, NON-TRACKING TACK COAT (24 GAL)

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN

SHALL AVAILA. LEGIBIL THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN ΉE ABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE.
LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS .ITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

A LOC CAPABI SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND **FUNC** SIGN SHALL BE TRAILER- MOUNTED AND EQUIPPED WITH A DANCE WITH C&MS 614.03. AL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN E OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM ONAL DIMMING MECHANISM, TO DIM THE SIGN DURING

PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC. RELOC HIGHLY CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE CONTRACTOR DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE PACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, ATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE PLACEMENT, OPERATION, MAINTENANCE AND ALL

INSTRU SHALL THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND VECESSARY. TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF ICTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL BECTURES PRESEN SHALL **POWER** CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE PRECONSTRUCTION CONFERENCE. FOR EACH PHASE TO BE READ AT LEAST TWICE. NTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND THE SIGN SHALL HAVE THE

DEACTI THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING OF THE DAY FOR DIFFERENT DAYS OF THE WEEK. VATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT WHICH WILL ALLOW THE SIGN TO BE ACTIVATED,

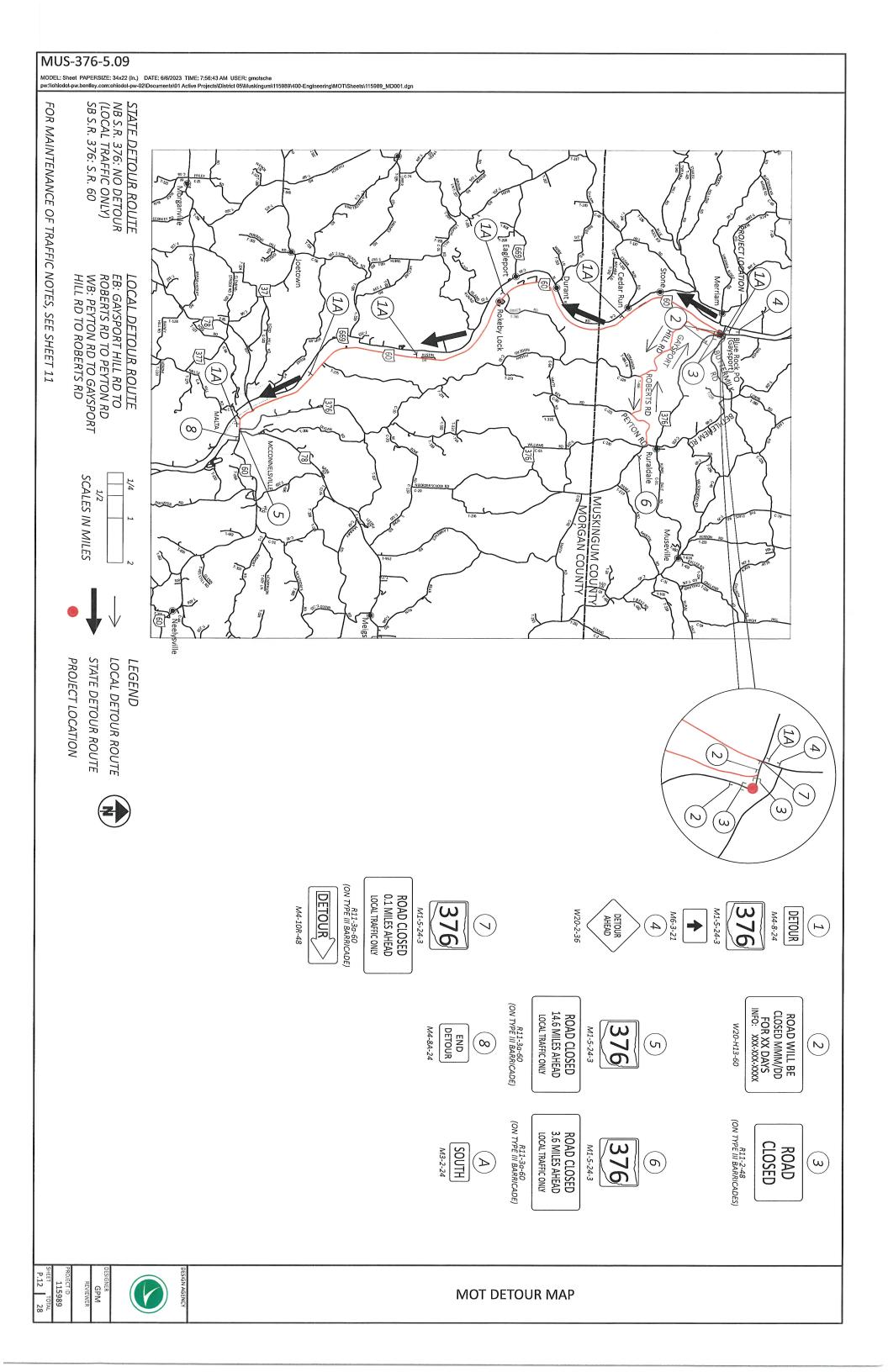
CONTR PAYMEN HARDV THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE. INT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE PACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, SIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, WARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED TON AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN (8 SNMT)

(ASSUMING 4 SIGNS FOR 2 MONTHS.)

REVIEWE GPM

115989



MODEL: Shee		4x22 (in.) DATE: 6/6/2023 TIME: 7:56:53	3 AM USER; gmotsche SDistrict 05\Muskingum\115989\400-Engineering\Roadway\Sheets\115989_GG001.dgn
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	MAINTAINING TRAFFIC CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN MOBILIZATION	ASPHALT CONCRETE, MISC.: SPOT TREATMENT DETOUR SIGNING PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN WATER INCIDENTALS	DESCRIPTION ADDRESS
	и	11 11 11	SEE SHEET NO. 14 14 14 14 14 14 14 14 14 1
PROJECT ID 115989 SHEET TOTAL P.13 28	DESIGNER GPM REVIEWER	DESIGN AGENCY	GENERAL SUMMARY

FULL DEPTH PAVEMENT CALCULATIONS

LIMITS: STA, 12+20.00 TO STA, 12+40.00 (= 20.00 FT) STA, 10+20.00 TO STA, 14+45.00 (= 425.00 FT)

ITEM 202

ITEM EXT 23000

VSY

TOTAL

92

PAVEMENT REMOV

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ESTIMATED ROADWAY

QUANTITIES

ITEM DESCRIPTION

202

56000

2

S

BUILDING DEMOLIS

HED, 1 STORY HOUSE & SHED

202

38000

FT

25

GUARDRAIL REMOV

202

66000

EACH

SPECIAL - DRILLED

ATER WELL ABANDONED

ITEM 202, PAVEMENT REMOVED 406.4 SF* (STA. 10+20.00 TO STA. 14+45.00) + 421.6 SF* (STA. 12+20.00 TO STA. 12+40.00) = 92 SY

ITEM 407, NON-TRACKING TACK COAT (APPLIED TO NEW INTERMEDIATE COURSE) [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 422.8 SF* (STA. 12+20.00 TO STA. 12+40.00)] X 0.06 GAL PER SY = 33 GAL ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22 [4541.8 SF* (STA, 10+20.00 TO STA, 14+45.00) + 422.8 SF* (STA, 12+20.00 TO STA, 12+40.00)] X 1.25" = 19 CY

ITEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 422.8 SF* (STA. 12+20.00 TO STA. 12+40.00)] X 1.75" = 27 CY

ITEM 407, NON-TRACKING TACK COAT (APPLIED TO NEW ASPHALT BASE COURSE) [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 430.2 SF* (STA. 12+20.00 TO STA. 12+40.00)] X 0.06 GAL PER SY = 33 GAL ITEM 301, ASPHALT CONCRETE BASE, PG64-22 (449) [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 430.2 SF* (STA. 12+20.00 TO STA. 12+40.00)]* X 6" = 92 CY

ITEM 408, PRIME COAT, AS PER PLAN 55.1 SF* X 0.40 GAL PER SY = 22 GAL

ITEM 617, COMPACTED AGGREGATE, AS PER PLAN 55.1 SF* (LT.) X 4'' = 1 CY

*CADD-GENERATED AREA

ITEM 202, GUARDRAIL REMOVED =25 FT

ITEM 606, GUARDRAIL, TYPE 5, USING 9 FOOT POSTS = 25 FT

BUILDINGS DEMOLISHED & WELL ABANDONED

ITEM 202, BUILDING DEMOLISHED, ONE STORY HOUSE & SHED =LUMP SUM

LOCATION: STA. 10+48.00 56.0'LT (WATER WELL)

LOCATION: STA. 11+10.00 115.5' LT (HOUSE)

ITEM 202, SPECIAL - DRILLED WATER WELL ABANDONED = 1 EACH

LIMITS: STA. 12+20.00 TO STA. 12+40.00 **GUARDRAIL CALCULATIONS**

ITEM 304, AGGREGATE BASE [4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 441.3 SF* (STA. 12+20.00 TO STA. 12+40.00)] X 6" = 92 CY

ITEM 204, SUBGRADE COMPACTION 4541.8 SF* (STA. 10+20.00 TO STA. 14+45.00) + 477.9 SF* (STA. 12+20.00 TO STA. 12+40.00)= 558 SY

617 10101 S

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383

CURB, TYPE 6

COMPACTED AGGR

GATE, AS PER PLAN

909

13030

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25

GUARDRAIL, TYPE 5,

USING 9 FOOT POSTS

441

50300

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27

ASPHALT CONCRETE

INTERMEDIATE COURSE, TYPE 2, (448)

441

5

19

ASPHALT CONCRETE

SURFACE COURSE, TYPE 1, (448), PG 64-22

408

10001

GAL

22

PRIME COAT, AS PER PLAN

407

20000

GAL

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NON-TRACKING TAC

K COAT

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AGGREGATE BASE

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ASPHALT CONCRETE

BASE, PG64-22 (449)

204

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SUBGRADE COMPAC

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QUANTITIES CARRIED TO GENERAL SUMMARY

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			ESTIM.	ESTIMATED PAVEMENT MARKING QUANTITIES
ITEM	ITEM EXT UNIT	UNIT	TOTAL	ITEM DESCRIPTION
621	00100	EACH	2	RPM
621	54000	EACH	2	RAISED PAVEMENT MARKER REMOVED
642	00104	MILE	0.09	EDGE LINE, 6", TYPE 1
642	00300	MILE	0.01	CENTER LINE, TYPE 1

QUANTITIES CARRIED TO GENERAL SUMMARY

GNER GPM REVIEWER

CALCULATIONS

