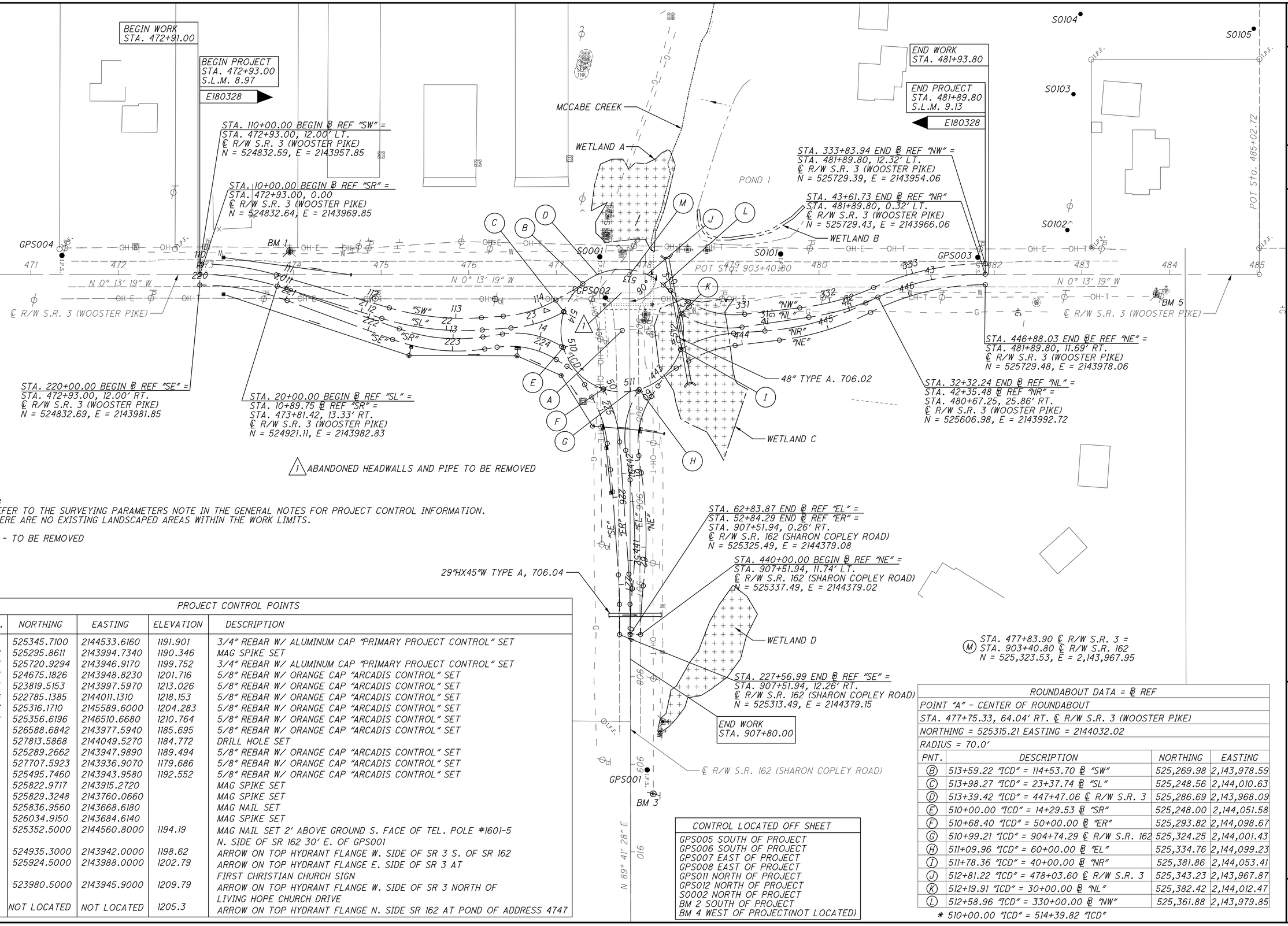


1 ABANDONED HEADWALLS AND PIPE TO BE REMOVED

NOTE:
1. REFER TO THE SURVEYING PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
2. THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS.

(TBR) - TO BE REMOVED

PROJECT CONTROL POINTS

REF. NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
GPS001	525345.7100	2144533.6160	1191.901	3/4" REBAR W/ ALUMINUM CAP "PRIMARY PROJECT CONTROL" SET
GPS002	525295.8611	2143994.7340	1190.346	MAG SPIKE SET
GPS003	525720.9294	2143946.9170	1199.752	3/4" REBAR W/ ALUMINUM CAP "PRIMARY PROJECT CONTROL" SET
GPS004	524675.1826	2143948.8230	1201.716	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
GPS005	523819.5153	2143997.5970	1213.026	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
GPS006	522785.1385	2144011.1310	1218.153	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
GPS007	525316.1710	2145589.6000	1204.283	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
GPS008	525356.6196	2146510.6680	1210.764	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
GPS011	526588.6842	2143977.5940	1185.695	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
GPS012	527813.5868	2144049.5270	1184.772	DRILL HOLE SET
S0001	525289.2662	2143947.9890	1189.494	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
S0002	527707.5923	2143936.9070	1179.686	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
S0101	525495.7460	2143943.9580	1192.552	5/8" REBAR W/ ORANGE CAP "ARCADIS CONTROL" SET
S0102	525822.9717	2143915.2720		MAG SPIKE SET
S0103	525829.3248	2143760.0660		MAG SPIKE SET
S0104	525836.9560	2143668.6180		MAG NAIL SET
S0105	526034.9150	2143684.6140		MAG SPIKE SET
BM 3	525352.5000	2144560.8000	1194.19	MAG NAIL SET 2' ABOVE GROUND S. FACE OF TEL. POLE #1601-5 N. SIDE OF SR 162 30' E. OF GPS001
BM 1	524935.3000	2143942.0000	1198.62	ARROW ON TOP HYDRANT FLANGE W. SIDE OF SR 3 S. OF SR 162
BM 5	525924.5000	2143988.0000	1202.79	ARROW ON TOP HYDRANT FLANGE E. SIDE OF SR 3 AT FIRST CHRISTIAN CHURCH SIGN
BM 2	523980.5000	2143945.9000	1209.79	ARROW ON TOP HYDRANT FLANGE W. SIDE OF SR 3 NORTH OF LIVING HOPE CHURCH DRIVE
BM 4	NOT LOCATED	NOT LOCATED	1205.3	ARROW ON TOP HYDRANT FLANGE N. SIDE SR 162 AT POND OF ADDRESS 4747

CONTROL LOCATED OFF SHEET

GPS005 SOUTH OF PROJECT
GPS006 SOUTH OF PROJECT
GPS007 EAST OF PROJECT
GPS008 EAST OF PROJECT
GPS011 NORTH OF PROJECT
GPS012 NORTH OF PROJECT
S0002 NORTH OF PROJECT
BM 2 SOUTH OF PROJECT
BM 4 WEST OF PROJECT(NOT LOCATED)

ROUNDABOUT DATA = ℄ REF

POINT "A" - CENTER OF ROUNDABOUT
STA. 477+75.33, 64.04' RT. ℄ R/W S.R. 3 (WOOSTER PIKE)
NORTHING = 525315.21 EASTING = 2144032.02
RADIUS = 70.0'

PNT.	DESCRIPTION	NORTHING	EASTING
Ⓑ	513+59.22 "ICD" = 114+53.70 ℄ "SW"	525,269.98	2,143,978.59
Ⓒ	513+98.27 "ICD" = 23+37.74 ℄ "SL"	525,248.56	2,144,010.63
Ⓓ	513+39.42 "ICD" = 447+47.06 ℄ R/W S.R. 3	525,286.69	2,143,968.09
Ⓔ	510+00.00 "ICD" = 14+29.53 ℄ "SR"	525,248.00	2,144,051.58
Ⓕ	510+68.40 "ICD" = 50+00.00 ℄ "ER"	525,293.82	2,144,098.67
Ⓖ	510+99.21 "ICD" = 904+74.29 ℄ R/W S.R. 162	525,324.25	2,144,001.43
Ⓗ	511+09.96 "ICD" = 60+00.00 ℄ "EL"	525,334.76	2,144,099.23
Ⓘ	511+78.36 "ICD" = 40+00.00 ℄ "NR"	525,381.86	2,144,053.41
Ⓙ	512+81.22 "ICD" = 478+03.60 ℄ R/W S.R. 3	525,343.23	2,143,967.87
Ⓚ	512+19.91 "ICD" = 30+00.00 ℄ "NL"	525,382.42	2,144,012.47
Ⓛ	512+58.96 "ICD" = 330+00.00 ℄ "NW"	525,361.88	2,143,979.85

* 510+00.00 "ICD" = 514+39.82 "ICD"

HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED BRO
CHECKED PSB

SCHEMATIC PLAN

MED-3-09.04

2
80

P:\Columbus-OH\Projects_Infrastructure\TOH0DT18_PE01- MED-3-9.05\107070_MED-3-9.05\Design\Roadway\Sheets\107070_GB001.dgn Sheet 3/19/2021 8:05:03 AM MBurger

ROUNDING

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

UTILITIES

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

WATER, SEWER & SANITARY

MEDINA COUNTY SANITARY ENGINEERS
ATTN: JEREMY SINKO
791 WEST SMITH ROAD
MEDINA, OH 44256
330-764-8331
JSINKO@MEDINACO.ORG

GAS

ASPIRE ENERGY OF OHIO, LLC
ATTN: ANTHONY D'EDIGIO
300 TRACY BRIDGE ROAD
ORRVILLE, OH 44667
330-682-1642
ADEGIDIO@CHPK.COM

COLUMBIA GAS OF OHIO
ATTN: TOM JADLOS
7080 FRY ROAD
MIDDLEBURG HEIGHTS, OH 44130
440-891-2493
TJADLOS@NISOURCE.COM

COMMUNICATIONS

FRONTIER COMMUNICATAIONS
ATTN: RANDY HOWARD
6223 NORWALK ROAD
MEDINA, OH 44256
330-722-9586
J.HOWARD@FTR.COM

ARMSTRONG CABLE
ATTN: MARK LOYER
1141 LAFAYETTE ROAD
MEDINA, OH 44256
330-802-5991
MLOYER@AGOC.COM

ALLIED CABLE
ATTN: BOB LUCARELLI, CEO
800 WEST LIBERTY ST.,
MEDINA, OH 44256
440-582-0111
SALES@ALLIEDCABLE.COM

CHARTER COMMUNICATIONS
ATTN: JUSTIN HALFORD
1200 BROWNSTONE AVE.
AKRON, OH 44310
330-622-5634
JUSTIN.HALFORD@CHARTER.COM

ACD.NET
ATTN: KATE BARLAS
1800 NORTH GRAND RIVER AVENUE
LANSING, MI 48906
517-999-9999
BARLAS.KATELYN@ACD.NET

MEDINA COUNTY FIBER NETWORK
ATTN: DAVE CORRADO, CEO
144 NORTH BROADWAY ST.
MEDINA, OH 44256
216-832-7059
DCORRADO@FIBERCOUNTY.COM

MEDINA COUNTY SCHOOLS
ATTN: RYAN O'CULL
777 EAST UNION STREET
MEDINA, OH 44256
330-636-3231
OCULLR@MEDINABEES.ORG

ELECTRIC

OHIO EDISON COMPANY
ATTN: BRAD COWLING
6326 LAKE AVENUE
ELYRIA, OH 44035
419-326-3238
BCOWLING@FIRSTENERGYCORP.COM

OHIO EDISON
ATTN: ERIC YOUNG
76 SOUTH MAIN STREET
AKRON, OH 44308
330-419-2798
YOUNGE@FIRSTENERGYCORP.COM

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

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7PM AND 7AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

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

PROJECT CONTROL

POSITIONING METHOD:	STATIC GNSS
MONUMENT TYPE:	B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM:	NAVD88
GEOID:	12B

HORIZONTAL POSITIONING

REFERENCE FRAME:	NAD83 (2011)
ELLIPSOID:	GRS80
MAP PROJECTION:	LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM:	OHIO STATE PLANE, NORTH ZONE
COMBINED SCALE FACTOR:	1.0001121934 (FROM GRID TO GROUND)
ORIGIN OF COORDINATE SYSTEM:	0,0

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

UNITS ARE IN U.S. SURVEY FEET.

WORK LIMITS

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

CLEARING AND GRUBBING

A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. 72.

ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

CEMENT SHALL BE USED UTILIZED AS THE CHEMICAL ADDITIVE AND SHALL EXTEND TO A DEPTH OF 14 INCHES BELOW THE PROPOSED SUBGRADE LEVEL AND 18 INCHES OUTSIDE THE EDGE OF THE PROPOSED PAVEMENT OR PAVED SHOULDER, INCLUDING BENEATH THE CURB AND GUTTER.

ITEM 204 - EXCAVATION OF SUBGRADE AND EMBANKMENT

PRIOR TO COMMENCING EARTHWORK OPERATIONS, ALL EXISTING PAVEMENT, GRANULAR BASE, SOD, TOPSOIL, AND OTHER MISCELLANEOUS MATERIALS MUST BE REMOVED FROM THE ENTIRE FOOTPRINT OF THE PROPOSED ROADWAY IMPROVEMENT. THE ENTIRE EXPOSED SUBGRADE AND EMBANKMENT FOUNDATION SURFACE MUST BE EXAMINED BY THE DESIGNATED REPRESENTATIVE TO IDENTIFY ANY WEAK, WET, ORGANIC, OR OTHERWISE UNSUITABLE SOILS. APPROXIMATE LIMTS OF UNSUITABLE SUBGRADE IS SHOWN AND LABELED IN THE CROSS SECTIONS.

ANY SUCH MATERIALS IDENTIFIED SHALL BE REMOVED AND REPLACED WITH SUITABLE COMPACTED FILL ITEM 203 EMBANKMENT.

THE SUBGRADE FOUNDATION SHOULD BE COMPACTED AND TEST ROLLED IN ACCORDANCE WITH ITEM 204 OF THE ODOT CMS, WITH ANY WEAK OR UNSUITABLE AREAS IN ACCORDANCE WITH ITEM 204.07.

ALL SOIL PLACED AS BORROW WITHIN 2 FEET OF THE PROPOSED PAVEMENT SUBGRADE ELEVATION MUST BE TESTED IN THE LABORATORY TO DETERMINE THAT THE PLASTICITY INDEX OF THE BORROW SOIL IS LESS THAN 20. LAB TESTING OF THE BORROW SOILS SHALL BE PERFORMED PRIOR TO IMPORTING BORROW TO THE SITE.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 203 - EMBANKMENT	1,000 CU YD
ITEM 204 - EXCAVATION OF SUBGRADE	1,000 CU YD
ITEM 204 - SUBGRADE COMPACTION	1,500 SQ YD

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 4 HOUR.

1 ABANDONED HEADWALLS AND PIPE TO BE REMOVED

SUBGRADE COMPACTION

SUBGRADE COMPACTION SHALL BE REQUIRED UNDER DRIVES. FOLLOW THE REQUIREMENTS FOR SUBGRADE COMPACTION UNDER DRIVES AS DESCRIBED IN SECTION 204.03. THE COST FOR SUBGRADE COMPACTION BENEATH DRIVES SHALL BE INCLUDED IN THE APPROPRIATE UNIT PRICE BID FOR ITEM 203 - EMBANKMENT.

SEEDING AND MULCHING

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

659, SOIL ANALYSIS TEST 2 EACH
659, TOPSOIL 872 CU. YD.
659, INTER-SEEDING 7,841 SQ. YD.
659, COMMERCIAL FERTILIZER 0.71 TON
659, LIME 8.1 ACRES
659, WATER 43 M. GAL.

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

DRAINAGE

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

1 **ITEM 202 - PIPE REMOVED, 24" AND UNDER, AS PER PLAN**
HEADWALL REMOVED, AS PER PLAN

THIS WORK SHALL CONSIST OF REMOVING ENTIRELY AND DISPOSING OF AN ABANDONED 12" STORM PIPE AND TWO CONCRETE HEADWALLS FOUND 18" BELOW EXISTING GROUND CROSSING S.R. 162 AT STA. 903+62±.

PAYMENT IS FULL COMPENSATION FOR ALL WORK INVOLVED IN THE REMOVAL AND DISPOSAL INCLUDING EXCAVATION AND BACKFILL INCIDENTAL TO THEIR REMOVAL.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN PROVIDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 202 - PIPE REMOVED, 24" AND UNDER, AS PER PLAN	40 FT
ITEM 202 - HEADWALL REMOVED, AS PER PLAN	2 EACH

CALCULATED BRO CHECKED PSB

GENERAL NOTES

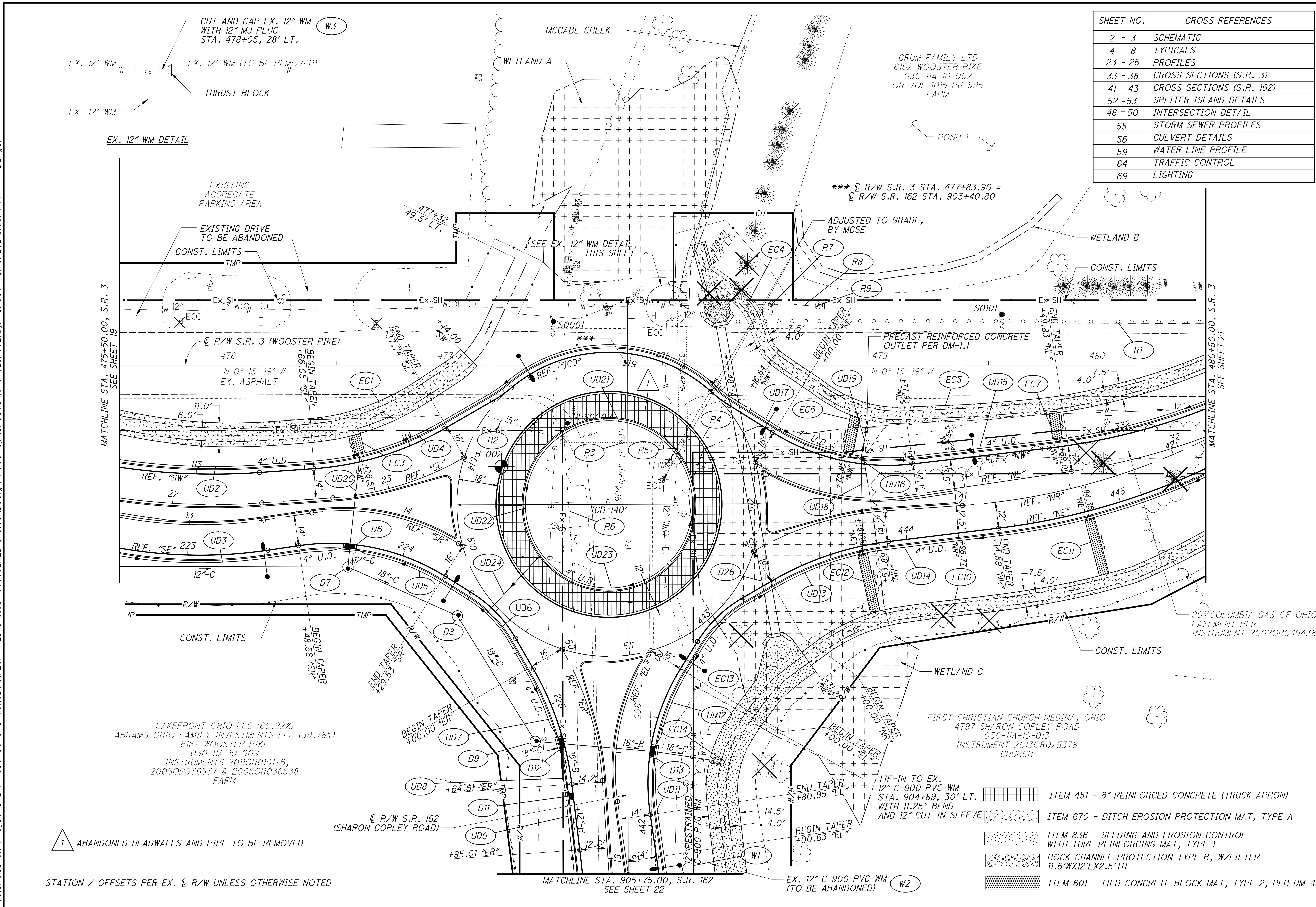
MED-3-09.04

SHEET NUM. 01/SAF/PV														PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	10	12	16	17	18	56	57	61	62	67	68	73	74	01/SAF/PV	02/SAF/OT						
																				1 ABANDONED HEADWALLS AND PIPE TO BE REMOVED	
																				ROADWAY	
														LS		201	11000	LS		CLEARING AND GRUBBING	
2														2		202	20011	2	EACH	HEADWALL REMOVED, AS PER PLAN 1	9
					4,420									4,420		202	23000	4,420	SY	PAVEMENT REMOVED	
			242											175	67	202	35100	242	FT	PIPE REMOVED, 24" AND UNDER	
40														40		202	35101	40	FT	PIPE REMOVED, 24" AND UNDER, AS PER PLAN 1	9
						60								60		202	35200	60	FT	PIPE REMOVED, OVER 24"	
			250											250		202	38000	250	FT	GUARDRAIL REMOVED	
			2											2		202	58100	2	EACH	CATCH BASIN REMOVED	
			2												2	202	75610	2	EACH	VALVE BOX REMOVED	
	3,687													3,687		203	10000	3,687	CY	EXCAVATION	
1,000	4,095													5,095		203	20000	5,095	CY	EMBANKMENT	
1,500														1,500		204	10000	1,500	SY	SUBGRADE COMPACTION	
1,000														1,000		204	13000	1,000	CY	EXCAVATION OF SUBGRADE	
4														4		204	45000	4	HOUR	PROOF ROLLING	
	545													545		204	50000	545	SY	GEOTEXTILE FABRIC	
					6,119									6,119		206	11000	6,119	SY	CURING COAT	
					6,119									6,119		206	15020	6,119	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
													3	3		623	38500	3	EACH	MONUMENT ASSEMBLY	
													1	1		623	40500	1	EACH	REFERENCE MONUMENT	
												1	2	3		623	40520	3	EACH	RIGHT-OF-WAY MONUMENT	
	3													3		SPECIAL	69050100	3	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	10
																				EROSION CONTROL	
							3							3		601	11000	3	SY	RIPRAP, TYPE D	
			63											63		601	21060	63	SY	TIED CONCRETE BLOCK MAT, TYPE 2	
						18								18		601	32100	18	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
			2				3							5		601	32200	5	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
2														2		659	00100	2	EACH	SOIL ANALYSIS TEST	
872														872		659	00300	872	CY	TOPSOIL	
	7,841													7,841		659	00500	7,841	SY	SEEDING AND MULCHING, CLASS 1	
7,841														7,841		659	15000	7,841	SY	INTER-SEEDING	
0.71														0.71		659	20000	0.71	TON	COMMERCIAL FERTILIZER	
8.1														8.1		659	31000	8.1	ACRE	LIME	
43														43		659	35000	43	MGAL	WATER	
			856											856		670	00710	856	SY	DITCH EROSION PROTECTION MAT, TYPE A	
			445											445		836	10000	445	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	
																				DRAINAGE	
				0.51		17.2	0.98							18.69		602	20000	18.69	CY	CONCRETE MASONRY	
				123										123		605	05200	123	FT	4" UNCLASSIFIED PIPE UNDERDRAINS	
				2,172										2,172		605	06000	2,172	FT	4" BASE PIPE UNDERDRAINS	
				236										236		611	00406	236	FT	4" CONDUIT, TYPE F	
										105				105		611	00407	105	FT	4" CONDUIT, TYPE F, AS PER PLAN	67
	100													100		611	01500	100	FT	6" CONDUIT, TYPE F	
				199										199		611	04400	199	FT	12" CONDUIT, TYPE B	
				365										365		611	04600	365	FT	12" CONDUIT, TYPE C	
				69										69		611	07400	69	FT	18" CONDUIT, TYPE B	
				162										162		611	07600	162	FT	18" CONDUIT, TYPE C	
						147								147		611	20700	147	FT	48" CONDUIT, TYPE A, 706.02 OR 707.33, 60" 707.04 (0.109) GALVANIZED	
YD7							60							60		611	52700	60	FT	29" X 45" CONDUIT, TYPE A, 706.04	
				3										3		611	98150	3	EACH	CATCH BASIN, NO. 3	
				3										3		611	98180	3	EACH	CATCH BASIN, NO. 3A	
				2										2		611	98470	2	EACH	CATCH BASIN, NO. 2-2B	
				4										4		611	99574	4	EACH	MANHOLE, NO. 3	
				1										1		611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	

CALCULATED MJB CHECKED BKM

GENERAL SUMMARY

MED-3-09.04



CUT AND CAP EX. 12" WM WITH 12" MJ PLUG STA. 478+05, 28' LT.
W3
EX. 12" WM
EX. 12" WM (TO BE REMOVED)
THRUST BLOCK
EX. 12" WM
EX. 12" WM DETAIL
MCCABE CREEK
WETLAND A
CRUM FAMILY LTD
6162 WOOSTER PIKE
030-11A-10-002
OR VOL 1015 PG 595
FARM
POND 1
EXISTING AGGREGATE PARKING AREA
EXISTING DRIVE TO BE ABANDONED
CONST. LIMITS
477+32 49.5' LT.
SEE EX. 12" WM DETAIL, THIS SHEET
*** ℄ R/W S.R. 3 STA. 477+83.90 = ℄ R/W S.R. 162 STA. 903+40.80
ADJUSTED TO GRADE, BY MCSE
WETLAND B
CONST. LIMITS
MATCHLINE STA. 475+50.00, S.R. 3 SEE SHEET 19
MATCHLINE STA. 480+50.00, S.R. 3 SEE SHEET 21
℄ R/W S.R. 3 (WOOSTER PIKE)
N 0° 13' 19" W
EX. ASPHALT
PRECAST REINFORCED CONCRETE OUTLET PER DM-1.1
S0001
S0101
ICD=140'
B-002
20' COLUMBIA GAS OF OHIO EASEMENT PER INSTRUMENT 2002OR049438
CONST. LIMITS
WETLAND C
LAKEFRONT OHIO LLC (60.22%)
ABRAMS OHIO FAMILY INVESTMENTS LLC (39.78%)
6187 WOOSTER PIKE
030-11A-10-009
INSTRUMENTS 2011OR010176, 2005OR036537 & 2005OR036538
FARM
FIRST CHRISTIAN CHURCH MEDINA, OHIO
4797 SHARON COPLEY ROAD
030-11A-10-013
INSTRUMENT 2013OR025378
CHURCH
℄ R/W S.R. 162 (SHARON COPLEY ROAD)
TIE-IN TO EX. 12" C-900 PVC WM STA. 904+89, 30' LT. WITH 11.25° BEND AND 12" CUT-IN SLEEVE
EX. 12" C-900 PVC WM (TO BE ABANDONED)
W2
W1
12" RESTRAINED C-900 PVC WM
MATCHLINE STA. 905+75.00, S.R. 162 SEE SHEET 22
1 ABANDONED HEADWALLS AND PIPE TO BE REMOVED

SHEET NO.	CROSS REFERENCES
2 - 3	SCHEMATIC
4 - 8	TYPICALS
23 - 26	PROFILES
33 - 38	CROSS SECTIONS (S.R. 3)
41 - 43	CROSS SECTIONS (S.R. 162)
52 -53	SPLITER ISLAND DETAILS
48 - 50	INTERSECTION DETAIL
55	STORM SEWER PROFILES
56	CULVERT DETAILS
59	WATER LINE PROFILE
64	TRAFFIC CONTROL
69	LIGHTING

ITEM 451 - 8" REINFORCED CONCRETE (TRUCK APRON)

ITEM 670 - DITCH EROSION PROTECTION MAT, TYPE A

ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1

ROCK CHANNEL PROTECTION TYPE B, W/FILTER 11.6'WX12'LX2.5'TH

ITEM 601 - TIED CONCRETE BLOCK MAT, TYPE 2, PER DM-4.1

STATION / OFFSETS PER EX. ℄ R/W UNLESS OTHERWISE NOTED

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED MJB
CHECKED PSB

PLAN SHEET
STA. 475+50.00 TO STA. 480+50.00

MED-3-09.04

ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1

ITEM 670 - DITCH EROSION PROTECTION MAT, TYPE A

WETLAND

EXISTING POND

℄ R/W S.R. 3
N 0°13' 19"W

EX. 12" WM
(TO BE REMOVED)

CONST. LIMITS

ROCK CHANNEL PROTECTION
TYPE B, W/FILTER
11.6'WX12'LX2.5'TH

PROP. FULL HEIGHT HEADWALL
STA. 478+26.38, 19.69' LT. EX. ℄ R/W S.R. 3=
STA. 11+47.00 ℄ CULVERT

WETLAND A

WETLAND C

CONST. LIMITS

PROP. FULL HEIGHT HEADWALL ARMORED WITH ROCK CHANNEL PROTECTION TYPE B, W/FILTER
STA. 478+52.37, 125.00' RT. EX. ℄ R/W S.R. 3=
STA. 10+00.00 ℄ CULVERT

48" TYPE A, 706.02

REF. "CD"

REF. "NW"

REF. "NE"

REF. "NR"

EX. CONCRETE BOX 48"x33"
TO BE REMOVED

EX. 12" TBR

EX. 24" TBR

℄ R/W S.R. 162
N 89°41' 28" E

STA. 477+83.90 ℄ R/W S.R. 3=
STA. 903+40.80 ℄ R/W S.R. 162
N=525,323.52, E=2,143,967.95

** STA. 478+29.92, ℄ R/W S.R. 3
STA. 11+27.00, ℄ CULVERT

EXISTING STRUCTURE

TYPE: CONCRETE BOX
SIZE: 48"X33"
SKEW: 0°37' LEFT FORWARD
LENGTH: 60'
ALIGNMENT: TANGENT
CFN: 1802120
DATE BUILT: 1941
CONDITION: FAIR

PROPOSED STRUCTURE

TYPE: A
SIZE: 48"
SKEW: 10°11' RIGHT FORWARD
LENGTH: 147'
ALIGNMENT: TANGENT

HYDRAULIC DESIGN DATA

DRAINAGE AREA = 89.8 ACRES

Q_{25} = 77.5 CFS

Q_{100} = 95.0 CFS

HW_{25} = 1188.5

HW_{100} = 1189.3

V_{25} = 9.20 FPS

V_{100} = 9.61 FPS

DESIGN SERVICE LIFE: 75 YRS

pH: 7.6

ABRASION LEVEL: 1

CFN: 1978351

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED MJB
CHECKED PSB

CULVERT DETAIL - S.R. 3 STA. 478+29.92

MED-3-09.04

56
80

1 ABANDONED HEADWALLS AND PIPE TO BE REMOVED

ESTIMATED QUANTITIES CARRIED TO GENERAL SUMMARY

ITEM	QUANTITY	UNIT	DESCRIPTION
611	147	FT	48" CONDUIT, TYPE A, 706.02 OR 707.33, 60" 707.04 (0.109) GALVANIZED
202	60	FT	PIPE REMOVED, OVER 24"
601	18	CY	ROCK CHANNEL PROTECTION, TYPE B W/FILTER
602	17.2	CY	CONCRETE MASONRY

PROFILE
ALONG ℄ CULVERT

147'
20.0'
20.1'
127.0'
82.0'
℄ R/W S.R. 3
EX. R/W
EOP ELEV = 1191.68
REF. LINE "CD"
REF. LINE "CD"
REF. LINE "NR"
EOP ELEV = 1192.14
ELEV = 1192.58
1192.06
VARIES
OHWM = 1184.7
1183.40±
0.40%
SLOPE @ 0.50%
3.51' MIN. COVER
3.90' MAX. COVER
EX. 6" GAS
EX. 12" WATER
EX. 12" WM
(TO BE REMOVED)
ROCK CHANNEL PROTECTION
TYPE B, W/FILTER
11.6'WX12'LX2.5'TH
EX. 48"X33" CULVERT
TO BE REMOVED
HW-1.1
STA. 11+47.00 ℄ CULVERT
E=1183.56
147' - 48" CONDUIT, TYPE A
HW-1.1
ARMORED WITH ROCK CHANNEL PROTECTION
TYPE B, W/ FILTER
STA. 10+00.00 ℄ CULVERT
E=1184.30
HW_{100} = 1189.3
HW_{25} = 1188.5
EX. GRADE
1184.3
ITEM 836 - SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
4:1
1200
1190
1180
1170
+40 +30 +20 +10 11+00 +90 +80 +70 +60 +50 +40 +30 +20 +10 10+00

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