# ATHENS COUNTY ENGINEER

# CR 110 POSTON STATION ROAD CULVERT REPLACEMENT PROJECT

## INDEX OF SHEETS:

TITLE SHEET	1
GENERAL NOTES	2
GENERAL SUMMARY	3
SITE PLAN	4
FULL-HEIGHT HEADWALL DETAILS	5

## PROJECT DESCRIPTION

CULVERT REPLACEMENT ON CR 110 POSTON STATION ROAD AT INTERSECTION OF TR 246 LEMASTER RD.

#### 2013 SPECIFICATIONS

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

### UNDERGROUND UTILITIES

LOCATION MAP LATITUDE: N39°22'37" LONGITUDE: W82°08'30"

ATHENS

PROJECT LOCATION -

CONTACT BOTH SERVICES CALL TWO WORKING DAYS BEFORE YOU DIG



1-800-362-2764 (TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS

OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE CALL: 1-800-925-0988



PLANS PREPARED BY: ATHENS COUNTY ENGINEER'S OFFICE 16000 CANAANVILLE RD ATHENS, OHIO 45701

STANDARD CONSTRUCTION DRAWING	S SUPPLEMENTAL SPECIFICATIONS
DM-1.4 1-18-13	SS-800 4-18-14
HW-1.1 1-18-13	SS-832 1-17-14
MGS-1.1 7-19-13	
MGS-4.1 7-19-13	
MGS-4.2 7-19-13	
MT-101.60 7-19-13	
MT-101.70 1-17-14	
MT-105.10 7-19-13	
_	
	DM-1.4 1-18-13 HW-1.1 1-18-13 MGS-1.1 7-19-13 MGS-4.1 7-19-13 MGS-4.2 7-19-13 MT-97.10 7-19-13 MT-101.60 7-19-13 MT-101.70 1-17-14

APPROVED	
DATE	JEFF MAIDEN, P.E., P.S.
	ATHENS COUNTY ENGINEER

CONTRACT SPECIFICATIONS

THE JANUARY 1, 2013 VERSION OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AS PUBLISHED BY THE OHIO DEPARTMENT OF TRANSPORTATION SHALL GOVERN ALL ASPECTS OF THE CONTRACT WORK. THE CONTRACTOR SHOULD BE FAMILIAR WITH THESE SPECIFICATIONS AND THEIR PROCEDURAL REQUIREMENTS.

STANDARD DRAWINGS

REFERENCE SHOULD BE MADE TO THE STANDARD DRAWINGS SHOWN IN THE TABLE ON THE COVER SHEET.

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

(1) WATER & SEWER ATHENS COUNTY WATER & SEWER DISTRICT

11308 JACKSON DRIVE THE PLAINS, OHIO 45780 CONTACT: RICH KASLER PHONE: 740-593-7146

(2) CABLE NELSONVILLE TV CABLE

1 WEST COLUMBUS STREET NELSONVILLE, OHIO 45764 CONTACT: JIM EDWARDS PHONE: 740-753-2686

(3) ELECTRIC AMERICAN ELECTRIC POWER

9135 SR 682 IRONTON, OHIO 45701 CONTACT: CHRIS McDANIELS PHONE: 740-532-9927

(4) TELEPHONE

2932 S. SIXTH STREET IRONTON, OHIO 45638 CONTRACT: DAVE MALONE PHONE: 740-532-9927

(5) GAS COLUMBIA GAS

843 PLIAT AVENUE CHILLICOTHE, OHIO 45601

CONTRACT: TIFFANY WOODYARD 740-772-9131 PHONE:

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

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

**WORK LIMITS** 

ALL PHYSICAL WORK SHALL BE COMPLETED WITHIN THE STATE RIGHT-OF-WAY 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.

ALL ELEVATIONS ARE ORTHOMETRIC HEIGHTS USING THE NORTH AMERICAN VERTICAL DATUM OF 1988(NAVD 88) AND THE GEOID 12A. HORIZONTAL POSITIONS ARE BASED ON THE OHIO STATE PLANE SOUTH ZONE 3402.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT. 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

<u>ITEM 202 - GUARDRAIL REMOVED</u>

ALL GUARDRAIL THAT IS REMOVED SHALL BECOME PROPERTY OF ATHENS COUNTY. CARE SHALL BE TAKEN TO UNBOLT THE RAIL AND REMOVE WITHOUT DAMAGING. THE CONTRACTOR SHALL ARRANGE FOR THE GUARDRAIL TO BE PICKED UP AT THE SITE BY ATHENS COUNTY FORCES.

SEEDING AND MULCHING

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

659, SEEDING AND MULCHING - 510 SQ. YD.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE EASEMENT LINES. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ROAD CLOSED/MAINTENANCE OF TRAFFIC

COUNTY ROAD 110 WILL BE CLOSED FOR A MAXIMUM OF 90 DAYS, LOCAL TRAFFIC WILL BE DETOURED.

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48" X 30" - "ROAD CLOSED" SIGNS, SIGN SUPPORTS, BARRICADES, GATES, AND LIGHTS, AS DETAILED IN STANDARD CONSTRUCTION DRAWING MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC:

(1) INTERSECTION OF COUNTY ROAD 110 POSTON STATION AND STATE ROUTE 682.

(2) ALONG CR 110 500 FEET WEST OF INTERSECTION TOWNSHIP ROAD 246 LEMASTER RD AND COUNTY ROAD 110 POSTON STATION.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 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 SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC.

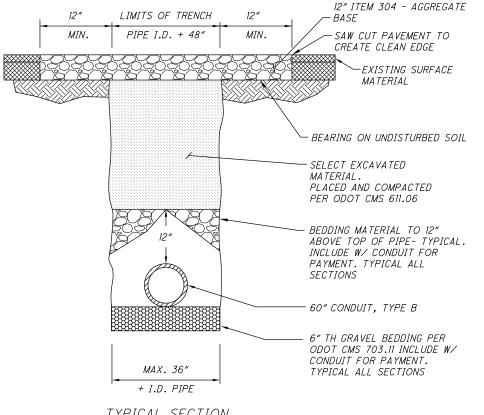
THE ATHENS COUNTY ENGINEER WILL PROVIDE THE SIGNS FOR THE DETOUR ROUTE, AND WILL MAINTAIN THE DETOUR SIGNS.

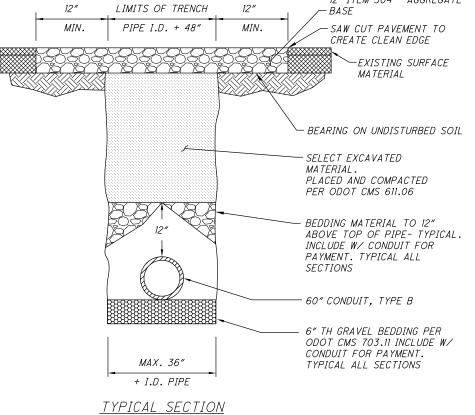
ITEM 611 - 60" CONDUIT, TYPE B, AS PER PLAN

THE CONDUIT MUST BE EITHER 706.02, 707.01 (ALUM.), OR 707.33. THE CONTRACTOR MAY USE THE EXCAVATED MATERIAL AS BACKFILL ABOVE THE BEDDING MATERIAL AS SHOWN ON THE TRENCH TYPICAL SECTION ON THIS SHEET. THE EXCAVATED MATERIAL MAY BE STORED ON THE EXISTING PAVEMENT AS SHOWN ON SHEET 4 UNTIL IT IS USED AS BACKFILL. THE COST TO REMOVE THE EXISTING CULVERT AND HEADWALL SHALL BE INCLUDED IN THE PRICE OF THE NEW CONDUIT.

STREAM CHANNEL EXCAVATION

THE CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO PREVENT ANY INCIDENTAL DISCHARGES ASSOCIATED WITH THE EXCAVATION AND HAULING OF MATERIAL FROM THE STREAM CHANNEL. THIS PERTAINS TO ANY EXCAVATION OPERATIONS SUCH AS CHANNEL EXCAVATION, ROCK CHANNEL PROTECTION EXCAVATION AND PLACEMENT, AND PLACEMENT OR REMOVAL OF ANY TEMPORARY MATERIALS USED FOR CONSTRUCTION.



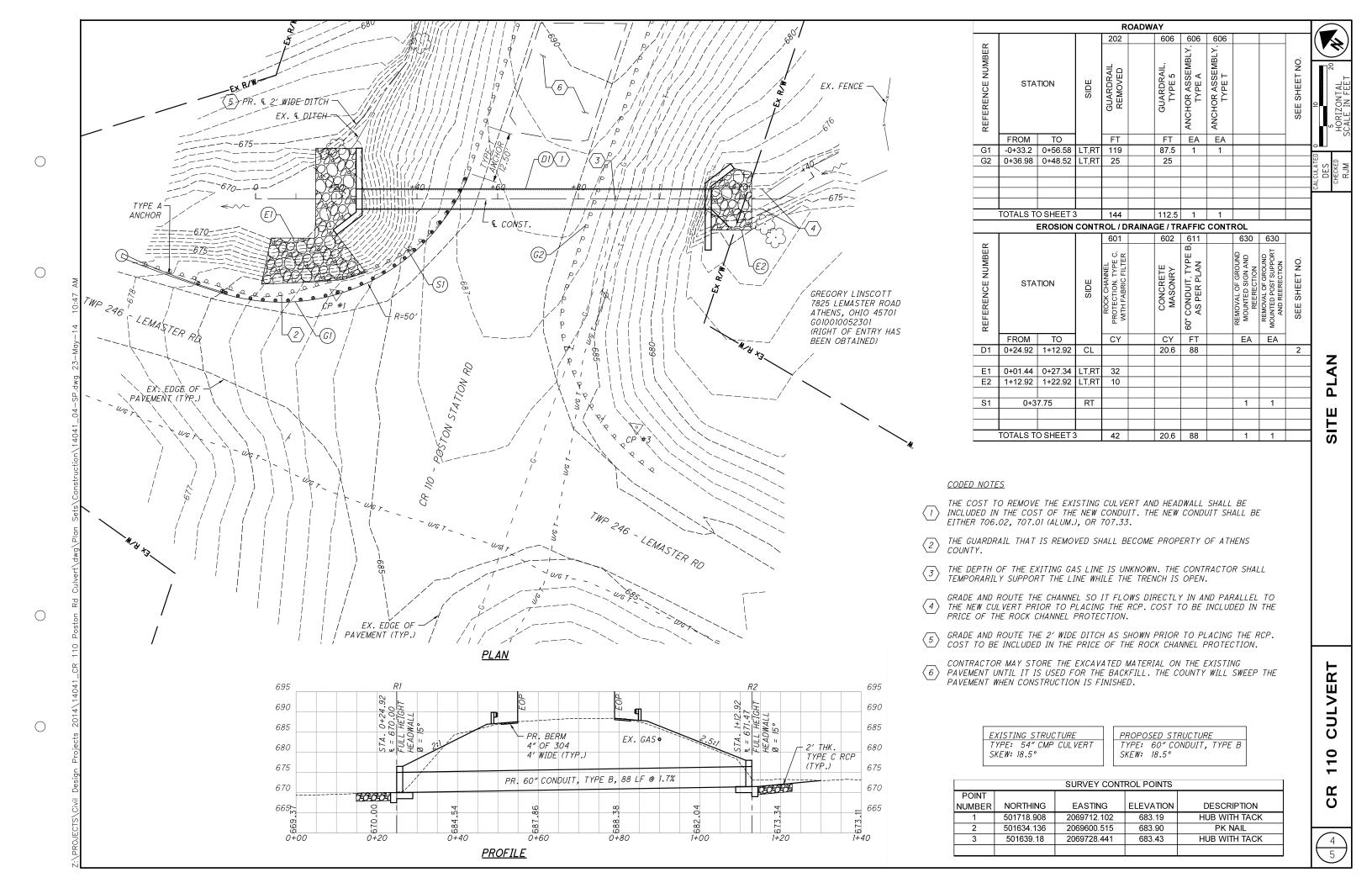


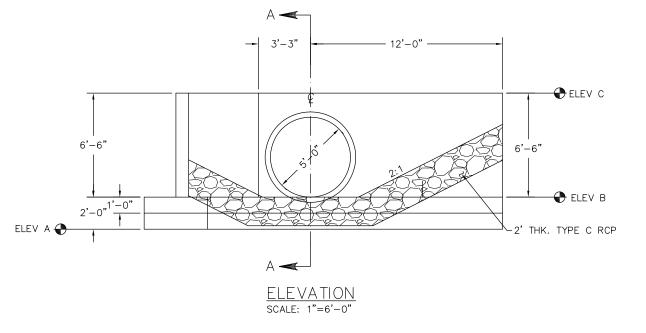
UNDER PAVEMENT

SHEET NUMBER		ITEM	ITEM	TOTAL	UNIT	ITEM DESCRIPTION	SEE SHEET	CULATE	
2	4		NO.	EXT.	IOIAL	UNIT	TI EIVI DESCRIPTION	NO.	S
							ROADWAY	<del> </del>	┨
LUMP			201	11000	LUMP		CLEARING AND GRUBBING		
	144		202	38000	144	FT	GUARDRAIL REMOVED		
	112.5		606	13000	112.5	FT	GUARDRAIL TYPE 5		_
	1		606	25000	1	EACH	ANCHOR ASSEMBLY, TYPE A		_
	1		606	26500	1	EACH	ANCHOR ASSEMBLY, TYPE T		_
								-	_
							EROSION CONTROL		_
	42		601	32204	42	CY	ROCK CHANNEL PROTECTION, TYPE C, WITH FABRIC FILTER		_
510			659	10000	510	SY	SEEDING AND MULCHING		_
									_
							DRAINAGE		_
	20.6		602	20000	20.6	CY	CONCRETE MASONRY		_
	88		611	23801	88	FT	60" CONDUIT, TYPE B, AS PER PLAN	2	_
							PAVEMENT		_
30	6		304	20000	36	CY	AGGREGATE BASE		_
									_
							TRAFFIC CONTROL		
	1		630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		_
	1		630	86010	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION		_
									_
							INCIDENTALS		_
LUMP			614	11000	LUMP		MAINTAINING TRAFFIC		
			623	10000	LUMP		CONSTRUCTION LAYOUT STAKES		
			624	10000	LUMP		MOBILIZATION		_
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ELEVATION	STRUCTURE		
	R1	R2	
Α	668.00	669.47	
В	670.00	671.47	
С	676.50	677.97	

