UTILITY OWNERS

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THE PROJECT:

STREETS & STORM WATER	SANITARY	WATER
MUSKINGUM COUNTY ENGINEER	MUSKINGUM COUNTY	MUSKINGUM COUNTY
155 REHL ROAD	1410 NEWARKROAD	401 MAIN STREET
ZANESVILLE, OHIO 43701	ZANESVILLE, OHIO 43701	ZANESVILLE, OHIO 43701
p.740.454.0155	p.740.819.0713	p.740.588.4389
DOUG DAVIS	KENNY BEISSER	DON MADDEN
GAS .	ELECTRIC	TELECOMMUNICATIONS
CAMERON DRILLING	AEP	AT&T
3636 ADAMSVILLE ROAD	ZANESVILLE SERVICE CENTER	160 N STH STREET

1900 LICKING ROAD

MICHAEL MATKOWCK

CLINT CAMERON **UTILITY LOCATIONS**

ZANESVILLE, OHIO 43701

p.740.453.3300

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF UTILITIES AS REQUIRED BY SECTION 153.64 ORC. LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THER EXACT LOCATION AND ELEVATION WHEN WORKING IN THEIR VICINITY

160 N. 6TH STREET

p.740.454.3416

ZANESVILLE, OHIO 43701

WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL INCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT THE EXACT ELEVATION MAY BE DETERMINED AND THE NECESSARY ADJUSTMENTS MADE. COST OF THE ABOVE, F ANY, WILL BE INCLUDED IN THE PRICE BID FOR THE PERTINENT ITEM

LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL UTILITY LINES, SERVICES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF THIS WORK SHALL BE INCLUDED WITH THE PRICE BID FOR THE PERTINENT ITEM, UNLESS OTHERWISE NOTED ON THE PLANS ESTIMATED QUANTITIES SHOWN ON THE PLANS FOR GAS LINE RELOCATIONS ARE FOR THOSE ITEMS ACTUALLY CALLED FOR AND SHOWN ON THE PLANS.

REVIEW OF PROJECT SITE

PRIOR TO BIDDING THE CONTRACTOR SHALL, BY PERSONAL EXAMINATION, SATISFY HIMSELF AS TO THE LOCATION OF THE PROPOSED WORK AND TO ACQUAINT HIMSELF THOROUGHLY WITH THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT ARE LIKELY TO BE ENCOUNTERED IN THE PERFORMANCE OF THE

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS NOR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER." PAYMENT FOR THESE ITEMS WILL BE MADE ONLY WHEN THE WORK UNDER THE PARTICULAR ITEM HAS BEEN PERFORMED.

MISCELLANEOUS WORK

ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS

THE CONTRACTORS BID SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT, COMPENSATION FOR ANY WORK WHICH DOES NOT HAVE A SPECIFIC PAY ITEM WILL BE INCLUDED IN THE PRICE BID FOR THE INDIVIDUAL ITEMS.

EMERGENCY PHONE NUMBER

THE CONTRACTOR SHALL PROVIDE THE ZMCPA AND MUSKINGUM COUNTY WITH A 24 HOUR TELEPHONE NUMBER TO READILY CONTACT A RESPONSIBLE PARTY IN THE CASE OF AN EMERGENCY, COSTS AND/OR DAMAGES INCURRED RELATED TO WORK PERFORMED BY THE CONTRACTOR IN SUCH EMERGENCIES ARE THE CONTRACTOR'S RESPONSIBILITY AND NOT THAT OF THE ZMCPA AND MUSKINGUM COUNTY.

LEGAL DIMENSION AND WEIGHT LIMITS

PURSUANT TO SECTIONS 5577.04 AND 5577.05 OHIO REVISED CODE (ORC), LEGAL LIMITS FOR DIMENSIONS AND WEIGHTS FOR HIGHWAY VEHICLES WERE AMENDED EFFECTIVE OCTOBER 1, 1992. THE AMENDED ORC MAY AFFECT THE CONTRACTORS COST FOR PERFORMING THE VARIOUS ITEMS OF WORK ON THIS PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FACTOR ANY ADDITIONAL COSTS RESULTING FROM THE amended orc into the unit bid price for the various items of work to be performed on this PROJECT, NO ADDITIONAL REIMBURSEMENT FOR THE COSTS WILL BE PAID BY THE ZMCPA.

THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS INCLUDING EMPLOYEES AND PROPERTY. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SECURING THE PROJECT SITE FROM THE GENERAL PUBLIC BOTH DURING AND AFTER WORKING HOURS. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL LIGHTS, SIGNS, FENCES, OR ANY OTHER SAFETY DEVICE TO PREVENT UNAUTHORIZED PERSONNEL FROM HAZARDOUS OR DANGEROUS CONDITIONS ON THE PROJECT SITE. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS BID FOR FURNISHING AND INSTALLING MATERIALS ON THIS

WEATHER CONDITIONS

ALL CONSTRUCTION AND MATERIAL USAGE SHALL BE IN ACCORDANCE WITH CLIMATIC CONDITIONS ADDRESSED IN CURRENT ISSUE OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND

USE OF FIRE HYDRANTS

THE CONTRACTOR IS HEREBY NOTIFIED THAT THE USE OF FIRE HYDRANTS WILL NOT BE PERMITTED AND THAT THE USE OF FIRE HYDRANTS WILL RESULT IN THE CONTRACTOR'S PROSECUTION FOR THEFT OF A PUBLIC UTILITY. THE CONTRACTOR SHALL COORDINATE WITH THE DIVISION OF WATER TO ACCESS THE

THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT OR THE EXISTING RIGHT-OF-WAYS, CONSTRUCTION AND/OR PERMANENT EASEMENTS AND SHALL NOT TRESPASS UPON OTHER PRIVATE PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER ALL ADJOINING PROPERTIES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE RESTORED TO THE SAME OR BETTER CONDITION, THIS INCLUDES GRADING, SEEDING, AND REMOVAL OF EXCESS MATERIAL

PROTECTION AND RESTORATION OF PROPERTY

THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL PRIVATE AND PUBLIC PROPERTY IMPACTED BY THE CONTRACTOR'S OPERATIONS IN ACCORDANCE WITH 107.10.

IRON PINS AND MONUMENTS

THE CONTRACTOR SHALL REFERENCE ALL IRON PINS AND MONUMENTS BEFORE EXCAVATING AT OR NEAR THEM, IF ANY IRON PINS OR MONUMENTS ARE DESTROYED OR DAMAGED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR EMPLOYED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT AND AT NO EXPENSE TO HALLIBURTON OR THE PROPERTY OWNERS.

NON-RUBBER TIRE VEHICLES

NO NON-RUBBER TIRE VEHICLES SHALL BE MOVED ON ANY COUNTY OR TOWNSHIP STREETS. EXCEPTIONS MAY BE GRANTED BY THE MUSKINGUM COUNTY ENGINEER'S OFFICE WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE MUSKINGUM COUNTY ENGINEER'S OFFICE. THE CONTRACTOR SHALL USE EXTREME CARE WHEN OPERATING NON-RUBBER TIRE VEHICLES ON STREETS OR DRIVEWAYS TO AVOID MARKING OR DAMAGING THE PAVEMENT. PROTECTION OF THE PAVEMENT FROM DAMAGE RESULTING FROM THE TRACKS OF NON-RUBBER TIRE VEHICLES UTILIZED IN TRENCH EXCAVATION SHALL BE REQUIRED. A WOOD PLANK SYSTEM, USED TIRES, RUBBER MATS OR OTHER MEANS AS APPROVED BY THE MUSKINGUM COUNTY ENGINEERS OFFICE SHALL BE USED TO PROTECT THE PAVEMENT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT.

PAVEMENT CLEANING

THE CONTRACTOR IS HEREBY NOTIFIED THAT HE/SHE SHALL BE RESPONSIBLE FOR CLEANING OF STREETS OR ANY MUD, DIRT, SAND, GRAVEL, STONES, OR ANY KIND OF MATERIAL THAT HAVE DEPOSITED AS A RESULT OF HIS/HER OR SUBCONTRACTORS OPERATIONS, PAVEMENTS SHALL BE CLEANED AT THE END OF EACH WORK DAY OR MORE OFTEN AS DETERMINED BY THE MUSKINGUM COUNTY ENGINEERS OFFICE.

DUST CONTROL

THE CONTRACTOR WILL PERFORM HIS/HER EARTHWORK OPERATIONS TO MINIMIZE DUST, WHEN CONDITIONS ARE SUCH THAT DUST BECOMES A MAJOR PROBLEM OR AS ADVISED BY THE MUSKINGUM COUNTY ENGINEER'S OFFICE, THE CONTRACTOR WILL APPLY A DUST PALLIATIVE PER ODOT ITEM 616.

THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS OPERATIONS AND RESTORE ALL SURFACES, STRUCTURES, DITCHES, AND PROPERTY TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE MUSKINGUM COUNTY ENGINEERS OFFICE.

DRAINAGE

ALL STORM SEWER, CULVERTS, HEADWALLS, CURB INLETS, MANHOLES, METHODS OF CONSTRUCTION, AND WORKMANSHIP FOR DRAINAGE AND APPURTENANCES SHOWN ON THESE PLANS SHALL CONFORM TO THE RULES AND REGULATIONS OF MUSKINGUM COUNTY AND ODOT ITEMS 602, 603, & 604 CURRENT ON THE DATE OF CONTRACT UNLESS THE REQUIREMENTS OF SUCH RULES AND REGULATIONS ARE UPGRADED BY THE FOLLOWING NOTES OR BY THE CONSTRUCTION DETAILS SET FORTH HEREIN

THE FLOW IN ALL SEWERS, DRAINS AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A CONDITION SATISFACTORY TO THE COUNTY OR OWNER

ALL STORM SEWERS AND CULVERTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE

STORM SEWERS SHALL BE REINFORCED CONCRETE (706.02) OR HOPE (707.33) IN ACCORDANCE WITH ODOT ITEM 603, TYPES B-F (DEPENDING ON THE LOCATION), WITH AMINIMUM SIZE OF 12 INCHES.

CULVERTS SHALL BE REINFORCED CONCRETE (705.02) IN ACCORDANCE WITH ODOT ITEM 603, TYPE A, WITH A MINIMUM SIZE OF 12 INCHES.

STORM MANHOLES AND INLETS SHALL BE IN ACCORDANCE WITH MUSKINGUM COUNTY STANDARDS AND

ALL CATCH BASINS, MANHOLES, AND CURB INLETS SHALL HAVE CONCRETE CHANNELS POURED IN PLACE TO ASSURE POSITIVE DRAINAGE THROUGH THESE STRUCTURES.

ALL MANHOLES SHALL BE ADJUSTED TO GRADE USING PRECAST CONCRETE RINGS

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.

SITE ELECTRIC

THE CONTRACTOR SHALL FELD VERIFY THE EXISTING ELECTRIC SERVICE AND DOCUMENT THE EXISTING MATERIALS. THE PROPOSED CONDUIT AND WIRE ARE TO BE INSTALLED PRIOR TO CONNECTION. THE CONTRACTOR MUST CONTACT AEP & THE ZMCPA 48 HOURS PRIOR TO COMPLETING THE PROPOSED CONNECTION, AEP WILL PROVIDE A RELOCATED OVERHEAD SERVICE AND METER. THE LENGTH OF PROPOSED UNDERGROUND ELECTRIC SERVICE IS CONTINGENT UPON THE TYPE OF WIRE THAT WAS PREVIOUSLY INSTALLED AS PART OF THE EXISTING SERVICE. THE CONTRACTOR MAY SPLICE THE PROPOSED SERVICE IF ACCEPTABLE BASED ON THE EXISTING WIRE GAUGE. THE CONTRACTOR SHALL PROVIDE A SCHEDULE FOR THE PROPOSED OUTAGE DURING CONSTRUCTION TO THE ZMCPA FOR APPROVAL

THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ANY INSPECTIONS REQUIRED FOR THE RECONNECTION OF THE BUILDING BEING SERVED AT THE EXPENSE OF THE ZMCPA.

SANITARY SEWER

ILL SANITARY SEWER PIPE, MANHOLES, FITTINGS, METHODS OF CONSTRUCTION, AND WORKMANSHIP FO SANITARY SEWER AND APPURTENANCES SHOWN ON THESE PLANS SHALL CONFORM TO THE RILES AND REGULATIONS OF THE CITY OF ZANESVILLE AND ODOT ITEMS 603 & 604, CURRENT ON THE DATE OF CONTRACT UNLESS THE REQUIREMENTS OF SUCH RULES AND REGULATIONS ARE UPGRADED BY THE FOLLOWING NOTES OR BY THE CONSTRUCTION DETAILS SET FORTHHEREIN.

NO PERSON SHALL UNCOVER, MAKE ANY CONNECTIONS WITH OR OPENINGS INTO, USE, ALTER OR DISTURB ANY PUBLIC SEWER OR APPURTENANCE THEREOF WITHOUT FIRST OBTAINING A WRITTEN PERMIT FROM THE

ALL WATER LINES SHALL BE INSTALLED WITH AT LEAST 10 FEET HORIZONTAL SEPARATION FROM SANITARY SEWER AND STORM SEWER LINES, WHENEVER A WATER LINE AND SEWER MUST CROSS, THE SEWER MAN (STORM OR SANITARY) SHALL BE LAID SUCH THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCESSELOW THE INVERT OF THE WATER LINE MEASURED BETWEEN THE OUTSIDE PIPE WALLS IN CASES WHERE THE REQUIRED SEPARATION CANNOT BE MAINTAINED, CLOSER INSTALLATION MAY BE PERMITTED ON A CASE-BY-CASE BASIS ONLY AFTER RECEIPT OF WRITTEN CONCURRENCE FROM THE CHIO PA DIMISION OF KING WATER, 2003 RE-COMMENDED STANDARDS FOR WATER WORKS, SECTIONS 8.8.2 AND 8.8.3 SHALL GOVERN AS TO THE SEPARATION OF WATER LINE FROM CONTAMINATION SOURCES.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 OR 604 ITEMS

ALL SANITARY SEWERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND ODOT ITEM 503, TYPE BORIC CONDUIT.

ALL SANITARY SEWER SHALL BE PVC PIPE. FOR SIZES UP TO 15 INCHES IN DIAMETER, PIPE SHALL CONFORM TO ASTAID 3-934, SOR 35 WITH A CELL CLASSIFICATION OF ASTM B OR CIZAS, FOR SIZES 18 INCHES AND LARGER, THE PVC PIPE SHALL CONFORM TO ASTM F 679 OR ASTM F 754 WITH A CELL CLASSIFICATION OF

FOR SIZES UP TO 15 INCH DIAMETER, PVC PIPE FITTINGS SHALL CONFORM, TO SDR 26 GASKETED HEAVY WALL SEWER FITTINGS MEETING ASTM D 3034 AND ASTM F 1336 WITH A CELL CLASSFICATION OF ASTM B OR C 12454. FOR SIZES 18 INCHES AND LARGER, PVC PIPE FITTINGS SHALL CONFORM TO SDR 26 GASKETED SEWER

SERVICE CONNECTIONS SHALL CONSIST OF PVC PIPE (ASTM D-3034, SDR 35, 707.45) OF A SIZE NOT LESS THAN SIX(6) INCHES NOMINAL DIAMETER AND SHALL BE BUILT TO AVOID INTERFERENCE WITH PROPOSED UTILITIES WHEN CONNECTING TO THE SANITARY SERVICE.

GREEN MAGNETIC FIELD LOCATOR TAPE SHALL BE PLACED WITH 18" COVER OVER ALL NON-METALLIC SEWER

ALL TRENCH BACKFILL SHALL BE COMPACTED BACKFILL AS PER ODOT ITEM 603.08. THE COST OF ALL COMPACTED BACKFILL SHALL BE INCLUDED IN THE PRICE BID FOR FURNISHING AND INSTALLING PIPE

UNLESS STATED SPECIFICALLY IN THE CONSTRUCTION DRAWINGS, ALL CONDUIT SHALL BE INSTALLED AS YPE C. THERE MAY BE AREAS ON THE PLANS WITH THE LIMITS INDICATED ON THE PROFILE VIEW OF THE SEWER AS "COMPACTED GRANULAR BACKFILL". WITHIN THESE LIMITS THE BACKFILL SHALL BE PER TYPE AS B. EXCEPT THE STRUCTURAL FILL SHALL EXTEND FROM THE TRENCHBOTTOM TO THE SUBGRADE

ALL SANITARY MANHOLES SHALL BE STAKED UNDER THE DIRECTION OF A REGISTERED SURVEYOR. THE STATION AND OFFSET OF THE MANHOLES SHOWN ON THE PLANS ARE TO THE CENTER OF THE MANHOLE

CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING CONDUIT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING CONDUIT BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE ITEMS BID FOR FURNISHING

CONNECTIONS TO EXISTING MANHOLES

WHERE NEW SEWERS ARE CONNECTED TO EXISTING MANHOLES, THE CONTRACTOR SHALL CORE DRILL ANY NEW OPENINGS INTO THE EXISTING MANHOLE. THE PIPE TO MANHOLE SHALL HAVE A WATER TIGHT JOINT OF A FLEXIBLE RUBBER GASKET EXPANSION BOOT. THE CONTRACTOR SHALL THEN CLEAN THE MANHOLE OF ALL DEBRIS BEFORE MAKING THE CONNECTION. THE CONTRACTOR SHALL CONSTRUCT A SEMI-CIRCULAR. CONCRETE CHANNEL TO THE NEW PIPE TO PROVIDE SMOOTH, UNINTERRUPTED FLOW THROUGH THE

PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE ITEM BID FOR FURNISHING AND INSTALLING PIPE.

CONNECTIONS TO SANITARY SEWER SYSTEM

ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED IN THE CITY OF ZANESVILLE AND MUSKINGUM COUNTY.

PROFILE IS SHOWN ALONG SEWER CENTERLINE. PROFILES ARE NOT SHOWN ON ALL INLET CONNECTOR

SEQUENCE OF OPERATIONS
THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A WAY THAT HE WILL COMPLETE ANY PORTION OF THE SEWER CONSTRUCTION STARTED, (INCLUDING MANHOLES, INLETS, CATCH BASINS, CONNECTIONS AND PLUGGING OF LINES) TO INSURE PROPER OPERATION AT ALL TIMES, BEGINNING AT THE CUTLET DO OF ANY PIPE. ANY FAILURE OF THE CONTRACTOR TO COMPLY WITH THE ABOVE PROVISIONS WILL BE REASON FOR THE ENGINEER TO SUSPEND WORK UNTIL THE CONDITIONS ARE MET.

EXISTING SEWERS AND STRUCTURES

THE CONTRACTOR SHALL REPLACE TO THE SATISFACTION OF THE ENGINEER ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS AND APPURTENANCES REMOVED OR DAMAGED DURING CONSTRUCTION. THE ABOVE IS NOT APPLICABLE TO STRUCTURES TO BE ABANDONED. THE CONTRACTOR SHALL REMOVE DREPLIS BLIFT FOR POPULATION OF THE PROPERTY OF THE PROP DEBRIS, SILT, ETC. FROM EXISTING MANHOLES AND CATCH BASINS AND VARIOUS SEWER PIPE WHICH ARE CONNECTED IN THE NEW SYSTEM

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL PERFORM A FULL CLOSURE OF INNOVATION WAY, FROM SR 93 TO GENE SANDS DRIV ING THE CONSTRUCTION OF THE PROPOSED GRADE CROSSING, REFERENCE THE MAINTENANCE OF TRAFFIC PLAN WITHIN THIS PLAN SET FOR SIGNAGE AND DETOUR ROLITES

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE

Item	Item Grand Un		Description	
			EARTHWORK	
201	LUMP	LUMP	CLEARING & GRUBBING	
202	44	SQ YD	CONCRETE PAVEMENT REMOVED	
203	2.000	CUYD	TOPSOIL STRIP	
203	19.000	CUYD	EXCAVATION	
203	17,200	CUYD	EMBANKMENT	
203	2,000	CUYD	TOPSOIL PLACE	
204	3,200	SQ YD	SUBGRADE COMPACTION	
204	LUMP	LUMP	COMPACTION TESTING	
	-	 	EROSION CONTROL	
207	1,400	LINFT	FLTER FABRIC FENCE	
659	LUMP	LUMP	SEEDING & MULCHING	
			DRAINAGE	
601	232	CU YD	ROCK CHANNEL PROTECTION, TYPE C	
602	1	EACH	36" FULL-HEIGHT HEADWALL (HW-1.1)	
602	1	EACH	36° FULL-HEIGHT HEADWALL (HW-1.1 MODIFIED)	
603	130	LINFT	24" CONDUIT, TYPE "B", 706.02, RCP	
	1	EACH	LOWER EXISTING GAS LINE	
			RAILROAD	
PECIAL	1	EACH	KSA PRECAST ROAD CROSSING	
PECIAL	1,110	LINET	RAIL SECTION R1, COMPLETE	
PECIAL 1	EACH	SAM PSON UNDERCUT NO. 8 TURNOUT,		
PECIAL	1	EACH	COMPLETE W/ ERGONOMIC SWITCH STAND	
PECIAL		EACH	WC HAYES TYPES SF WHEELSTOP	
PECIAL	<u>'</u>	EACH	WC HAYES EBF TYPE 6 DERAIL W/T ARGET STAND	
614	LUMP	LUMP	WC HAYES HB DERAIL W/ ERGONOMIC HIGH RISE SWIT CH MAINTENANCE OF TRAFFIC	
0,4	LOWI	LUMP	MANUTENANCE OF TRAFFIC	
			CICHALITATION	
PECIAL	1	EACH	SIGNALIZATION CROSSING GATE & LIGHTS	
2012		2,011	OUGGING GVIE & FIGUI 2	
			MISCELLANEOUS	
104	LUMP	LUMP		
623	LUMP	LUMP	PERFORMANCE BOND (1% OF PROJECT COST) CONSTRUCTION LAYOUT STAKING	
624	LUMP	LUMP	MOBILIZATION	

EXTENSION

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EASTPOINTE

ZMCPA OB NUMBER Z10-07