

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLY 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:

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.

UTILITY OWNERS

TELECOMMUNICATIONS

COLUMBUS FIBERNET
MATT BLACKSTONE
(614) 921-8524
MABLACKSTONE@COLUMBUSFIBER.NET

AT&T (LOCAL)
STEVE CONNELL
111 N. 4th STREET
COLUMBUS, OH 43215
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SC2732@ATT.COM

AT&T (TRANSMISSION)
JAMES SCHNEIDER
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JAMES.SCHNEIDER@MCGFIBER.COM

AT&T (OHIO)
DONALD MARSHALL
(614) 216-2396
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LUMEN(FKA CENTURY LINK)
250 W OLD WILSON BRIDGE RD
SUITE 130
WORTHINGTON, OH 43085
RELOCATIONS@LUMEN.COM
RELOCATIONS@BRIGHTSPEED.COM

BREEZELINE (FKA WOW)
MARK FREY
3675 CORPORATE DR.
COLUMBUS, OH 43231
(614) 948-4677
MARK.FREY@WOWINC.COM
ColFr@WOWinc.com

VERIZON
BRUCE TURKIEWICZ
120 RAVINE ST.
AKRON, OH 44303
254-721-8977
bruce.turkiewicz@verizon.com

CHARTER COMMUNICATIONS/SPECTRUM
3760 INTERCHANGE RD
COLUMBUS, OH 43204
DL-MOH-CONSTRUCTION-FRELO-TEAM@CHARTER.COM

ZAYO
ERIC ALEXANDER
(614) 989-9655
ERIC.ALEXANDER@ZAYO.COM

ELECTRIC

AMERICAN ELECTRIC POWER
(DISTRIBUTION)
PAUL PAXTON
(740) 348-5322
PTPAXTON@AEP.COM
OHPFIBERRELOCATE@AEP.COM

AMERICAN ELECTRIC POWER
(TRANSMISSION)
MICHAEL CARR
(380) 205-5072
TL-PUBLICPROJECTS@AEP.COM

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
(614) 645-7360
UTILTYLEADREP@COLUMBUS.GOV

CITY OF COLUMBUS
DIVISION OF POWER
3500 INDIANOLA AVE
COLUMBUS, OH 43214
(614) 645-7627

GAS

COLUMBIA GAS OF OHIO
ADAM MORRIS
3550 JOHNNY APPELESEED CT.
COLUMBUS, OH 43231
(614) 818-2106 & (614) 818-2104
ADAMMORRIS@NISOURCE.COM

NORTHEAST OHIO NATURAL GAS CORP.
QUEENIE FORTALEZA
5640 LANCASTER-NEWARK RD.
PLEASEANTVILLE, OH 43148
(740) 400-4319 & (740) 862-3300
QFORTALEZA@EGAS.NET

SUNOCO
BILL STUMP
(614)202-4176
WILLIAM.STUMP@ENERGYTRANSFER.COM

TRAFFIC CONTROL *

ODOT DISTRICT 6 TRAFFIC
DAVID CARLIN
400 EAST WILLIAM STREET
DELAWARE, OH 43015
(740) 833-8267
DAVID.CARLIN@DOT.OHIO.GOV

PETROLEUM

MARATHON PIPE LINE LLC
GREG NEWMAN
(419) 884-0800 EXT. 236 & (317) 473-7441
GCNEWMAN@MARATHONPETROLEUM.COM

BP OIL COMPANY
(BP/STANDARD OIL/SOHIO)
ADAM NEIL
1771 BUCKYARD ROAD
LIMA, OHIO 45804
(419) 222-7221
NEILA1@BP.COM

SPELMAN PIPELINE COMPANY
MARK WETZEL
9081 SR 250
STRAWSBURG, OH 44680

WATER AND SANITARY

CITY OF COLUMBUS
DIVISION OF SEWERAGE AND DRAINAGE
SEWER MAINTENANCE MANAGER
1250 FAIRWOOD AVE
COLUMBUS, OHIO 43206
(614)645-7102

FRANKLIN COUNTY DEPT. OF
SANITARY ENGINEER
JACOB SOLES
(614) 397-9421
JASOLES@FRANKLINCOUNTYOHIO.GOV

CITY OF COLUMBUS
DIVISION OF WATER
910 DUBLIN ROAD
COLUMBUS, OHIO 43215
(614) 645-7788

COTA
33 NORTH HIGH STREET
8TH FLOOR
COLUMBUS, OH 43215
(614) 308-4373
COTADESIGNREVIEW@COTA.COM
EVANSPM1@COTA.COM

* ALL ODOT TRAFFIC SIGNAL AND HIGHWAY LIGHTING LOCATION REQUESTS SHALL BE DONE BY NOTIFYING 740-833-8024 DIRECTLY.

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.

ITEM 201, CLEARING AND GRUBBING, AS PER PLAN

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, AS PER PLAN. 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. THIS ITEM SHALL MEET THE SPECIFICATIONS OF ITEM 201 EXCEPT THAT TREE/STUMP REMOVAL SHALL BE REMOVED TO 18" BELOW FINISHED GRADE.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. 211.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY
ITEM 623 - MONUMENT ASSEMBLY 11 EACH

THE FOLLOWING ESTIMATED QUANTITY, HAS BEEN CARRIED TO THE GENERAL SUMMARY.
ITEM 623 - RIGHT-OF-WAY MONUMENT 13 EACH

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND TO BE 0.21 FEET ABOVE THE PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY IN TWO LAYERS AS DESCRIBED IN THE TYPICAL SECTIONS FROM STATION 389+05.50 TO STATION 427+50.00.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 301 ASPHALT CONCRETE BASE, PG64-22 91 CU. YDS.

THE ABOVE ESTIMATED QUANTITY IS BASED ON A 301 THICKNESS OF 6 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH. SEE STANDARD CONSTRUCTION DRAWING DM-1.4 FOR TRENCH WIDTH FORMULA AND CALCULATION. ACTUAL THICKNESS SHALL MATCH THE EXISTING BASE THICKNESS.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATIONS

THE FOLLOWING QUANTITY IS PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 611 DRAINAGE STRUCTURES.

ITEM 301 ASPHALT CONCRETE BASE, PG64-22 19 CU. YDS.

THE ABOVE ESTIMATED QUANTITY IS BASED ON A 301 THICKNESS OF 6 INCHES AND A WIDTH OF TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE. THE ACTUAL THICKNESS SHALL MATCH THE EXISTING BASE THICKNESS.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

PLACEMENT OF TREES REVISIONS

THE CONTRACTOR OR THEIR SUB-CONTRACTOR SHALL CONTACT PRAIRIE TOWNSHIP REGARDING ANY REQUIRED PLAN CHANGESTO THE PLACEMENT OF TREES.

PRIOR TO EXCAVATION, THE CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) NOW DOING BUSINESS AS OHIO 811 BY CALLING 811 OR 800-362-2764.

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.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

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

UNRECORDED STORM WATER DRAINAGE

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

611, 6" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION 200 FT.
611, 6" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION 200 FT.
611, 6" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION 200 FT.
611, 6" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION 200 FT.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 3 OF THE PLANS FOR PROJECT CONTROL INFORMATION.

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

PROJECT CONTROL
POSITIONING METHOD: -----TIES TO THREE FRANKLIN COUNTY MONUMENTS
MONUMENT TYPE: -----EXISTING

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: -----NAVD 88
GEOID: -----03

HORIZONTAL POSITIONING
REFERENCE FRAME: -----NAD 83 (1986 ADJUSTMENT)
ELLIPSOID: -----GRS 80
MAP PROJECTION: -----LAMBERT CONFORMAL
COORDINATE SYSTEM: -----OHIO STATE PLANE-SOUTH (GROUND)
COMBINED SCALE FACTOR: -----0.999947952
ORIGIN OF COORDINATE SYSTEM: -----0,0

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GKB

GENERAL NOTES

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ITEM 638 - WATER WORK MISC: CUT AND PLUG EXISTING SPRINKLER LINES
THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CUT AND PLUG ANY SPRINKLER SYSTEM LINES FOUND LOCATED WITHIN THE PROJECT RIGHT-OF-WAY. EXISTING LINES SHALL BE CUT AND PLUGGED AT THE RIGHT-OF-WAY LINE.
THIS WORK SHALL BE PERFORMED BY A LAWN AND GARDEN SPRINKLER SERVICE AND REPAIR CONTRACTOR.
THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE.
ITEM 638 - WATER WORK MISC: CUT AND PLUG EXISTING SPRINKLER LINES 10 EACH

UTILITY COORDINATION:

ALL UTILITY RELOCATIONS SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE UTILITY OWNERS IN SUCH A WAY AS TO AVOID AND/OR MINIMIZE ANY INCONVENIENCE TO POTENTIALLY AFFECTED CUSTOMERS. ALL UTILITY RELOCATIONS NOT INCLUDED IN THIS CONTRACT SHALL BE PERFORMED BY THE AFFECTED UTILITY OWNER OR ITS CONTRACTOR AND WILL BE COMPLIANT WITH ODOT ROADWAY DESIGN STANDARDS. UTILITY WORK WILL BE ONGOING THROUGHOUT THE CONSTRUCTION PERIOD. UPON THE CONTRACT AWARD, THE COORDINATION OF ALL NECESSARY RELOCATIONS WITH THE UTILITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.

ITEM 202, SPECIAL-PARKING BLOCK REMOVED

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING PARKING BLOCKS, ANCHOR PINS AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: BOLLARD

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING BOLLARD AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: BENCH

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING BENCH AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: BUS SHELTER

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING BUS SHELTER AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. ANY FOUNDATIONS SHALL BE REMOVED TO A MINIMUM OF 18" BELOW PROPOSED GRADE OR GREATER IF THE EXISTING FOUNDATION CONFLICTS WITH ANY PROPOSED ITEM TO BE CONSTRUCTED. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: BRICK PLANTER

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING BRICK WALL AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. ANY FOUNDATIONS SHALL BE REMOVED TO A MINIMUM OF 18" BELOW PROPOSED GRADE OR GREATER IF THE EXISTING FOUNDATION CONFLICTS WITH ANY PROPOSED ITEM TO BE CONSTRUCTED. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: TIMBER PLANTER

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING TIMBER PLANTER AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: TIMBER WALL

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING TIMBER WALL AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: WOOD POST

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING WOOD POST AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: CONCRETE PAD

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING CONCRETE PAD AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

ITEM 202, REMOVAL MISC.: PAVER BLOCKS

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING PAVER BLOCKS AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL.

PETROLEUM CONTAMINATED SOIL

ENVIRONMENTAL STUDIES INDICATED THAT PETROLEUM CONTAMINATED SOIL (PCS) WILL BE ENCOUNTERED DURING EXCAVATIONS WITHIN THE PROJECT LIMITS FROM STA 413+00 TO STA 415+00 AND FROM STA 418+00 TO STA 423+00. ENVIRONMENTAL STUDIES ARE AVAILABLE IN CONSTRUCTION PROJECT FILE. THE CONTRACTOR MUST DETERMINE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT FOR THOSE WHO CONDUCT WORK WITHIN THE LIMITS OF THE PCS.

THE CONTRACTOR SHALL OBTAIN THE SERVICES OF AN ENVIRONMENTAL CONSULTANT TO EVALUATE THE EXCAVATED MATERIALS FROM THIS SITE AND CLASSIFY THEM INTO 1 OF THE FOLLOWING 2 CATEGORIES: PETROLEUM CONTAMINATED SOILS OR NON-REGULATED SOILS.

MATERIALS THAT THE CONTRACTOR'S ENVIRONMENTAL CONSULTANT HAS DETERMINED TO BE PETROLEUM CONTAMINATED SOILS MAY BE TEMPORARILY STOCKPILED ON AN IMPERMEABLE MEMBRANE, IN AN AREA PROVIDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE MEMBRANE SHALL BE SURROUNDED BY BALES OF STRAW TO PREVENT THE EXCAVATED MATERIAL FROM COMING IN CONTACT WITH THE UNDERLYING SOIL. AN IMPERMEABLE MEMBRANE SHALL BE PLACED OVER THE STOCKPILE TO PREVENT CONTACT WITH PRECIPITATION AND/OR SURFACE RUN-OFF. THE ENGINEER MAY PERMIT THE CONTRACTOR TO DIRECT LOAD THE EXCAVATED MATERIAL INTO TRUCKS. THE ENGINEER MAY PERMIT TEMPORARY STORAGE OF EXCAVATED MATERIAL IN A LINED AND COVERED ROLL OFF BOX.

PETROLEUM CONTAMINATED SOILS MAY BE REUSED ON THE PROJECT. HOWEVER, IF THESE MATERIALS CANNOT BE REUSED ON THE PROJECT AND ARE OVER THE BUSTR RE-USE LEVELS STATED IN 1307:7- 9 - 16, THEY ARE TO BE DISPOSED OF. THIS MATERIAL SHALL BE PROPERLY TRANSPORTED AND DISPOSED OF AS A SOLID WASTE IN A LICENSED (BY THE LOCAL HEALTH DEPARTMENT) AND PERMITTED (BY THE OHIO ENVIRONMENTAL PROTECTION AGENCY) SOLID WASTE FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TESTING, PERMITS AND APPROVALS TO TRANSPORT AND DISPOSE OF THE MATERIAL. MATERIALS UNDER BUSTR RE-USE LEVELS ARE CONSIDERED NON- REGULATED.

ALL EXCAVATED SOILS WHICH ARE DETERMINED TO BE NON-REGULATED SOILS MAY BE USED AS BACKFILL FOR OTHER PROJECT PURPOSES, PROVIDED THAT IT MEETS ODOT CMS 203. THE WORK INVOLVED IN THIS ITEM INCLUDES HANDLING, TESTING, STORAGE, AND DISPOSAL OF NON-REGULATED SOILS.

THE CONTRACTOR IS TO COMPLETE ALL MANIFESTS FOR ALL MATERIAL TO BE TRANSPORTED. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS AND APPROVALS TO TRANSPORT THE MATERIAL TO A LICENSED AND PERMITTED DISPOSAL FACILITY. CONTACT THE DISPOSAL FACILITY TO DETERMINE IF ANY ADDITIONAL TESTING IS REQUIRED FOR DISPOSAL WHICH OFTEN REQUIRES RESULTS FOR LEAD TO BE SUBMITTED IN ADDITION TO THE BUSTR PCS RE-USE RESULTS. PROVIDE ANY ADDITIONAL SAMPLING AND ANALYSIS OF THE MATERIAL AS REQUIRED BY THE DISPOSAL FACILITY AT NO ADDITIONAL CHARGE TO THE PROJECT. OBTAIN ALL SIGNATURES ON THE MANIFEST FOR TRANSPORTING AND DISPOSAL OF THE MATERIAL PROVIDE A FINAL COPY TO THE ENGINEER.

ALL TRANSPORT VEHICLES USED FOR THE MOVEMENT OF REGULATED SOILS AND/OR WATER SHALL MEET APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN RECORDS (SUCH AS DAILY LOGS, LANDFILL TICKETS, MANIFESTS, ETC.) DOCUMENT THE SOURCE, MOVEMENT, AND DESTINATION OF EACH TRUCKLOAD OF CONTAMINATED SOIL. ONE COPY OF EACH OF THESE RECORDS SHALL BE SUBMITTED TO THE ENGINEER.

IF EXCAVATIONS WITHIN THE PCS REQUIRE DEWATERING FOR CONSTRUCTION PURPOSES, THE CONTRACTOR SHALL DEWATER, CONTAINERIZE AND DISPOSE OF WATERS BY METHOD APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS NEEDED TO STORE, TRANSPORT AND DISPOSE OF WATER IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TESTING REQUIRED FOR DISPOSAL.

ALL EXCAVATED AREAS SHALL BE BACKFILLED WITH SUITABLE MATERIAL IN ACCORDANCE WITH PROJECT PLANS, APPLICABLE ODOT SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PROPERLY MANAGE, STORE (IF NECESSARY), TEST FOR DISPOSAL, TRANSPORT AND DISPOSE OF REGULATED MATERIALS, INCLUDING ANY REQUIRED PERMITS OR FEES WITHIN THE IDENTIFIED LIMITS. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT PRICE BID. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY:

690, WORK INVOLVING NON-REGULATED MATERIAL	2,800 TON
690, WORK INVOLVING PETROLEUM CONTAMINATED SOIL	2,800 TON
690, WORK INVOLVING NON-REGULATED WATER	9,000 GAL
690, WORK INVOLVING REGULATED WATER	9,000 GAL

SUNOCO GAS PROTECTION REQUIREMENT

A 10" SUNOCO GAS STEEL MAIN IS LOCATED ALONG THE WEST SIDE OF WILSON RD. ANY EXCAVATION OVER THIS GAS MAIN REQUIRES A STEEL PLATE TO BE PLACED OVER THE TRENCH AT NIGHT.

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	140 CU. YD.
659, SEEDING AND MULCHING	1256 SQ. YD.
659, REPAIR SEEDING AND MULCHING	63 SQ. YD.
659, INTER-SEEDING	63 SQ. YD.
659, COMMERCIAL FERTILIZER	0.18 TON
659, LIME	0.26 ACRES
659, WATER	8 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, EXCLUDING SEEDING OF LANDSCAPE AREAS.

QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURE BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

MANUFACTURED WATER QUALITY STRUCTURE

THIS PLAN UTILIZES A MANUFACTURED WATER QUALITY STRUCTURE FOR QUALITY TREATMENT, LOCATED AT STA. 398+50.00, 38.02' LT. THE OFF-LINE STRUCTURE SHALL BE ROTATED SUCH THAT THE MIDDLE OF THE MANHOLE FRAME IS LOCATED IN THE MIDDLE OF THE TRAVELED LANE. AN AREA IS SHOWN IN THE PLANS FOR PLACEMENT OF THE OFF-LINE SYSTEM. PAYMENT FOR THE OFF-LINE SYSTEM SHALL BE MADE FOR AT THE CONTRACT UNIT BID PRICE FOR ITEM 895, MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4.

ITEM 202, REMOVAL MISC.: REMOVE AND RESET HISTORICAL MILE POST

THIS ITEM SHALL INCLUDE THE REMOVAL AND RESETTING OF THE EXISTING MILE POST AND RESTORATION NOT INCLUDED WITH OTHER PROJECT ITEMS. CONTACT THE FRANKLIN COUNTY ENGINEER'S OFFICE PRIOR TO REMOVAL. USE A REGISTERED SURVEYOR TO DOCUMENT THE LOCATION OF THE MONUMENT AND TO RESET THE MONUMENT IN THE SAME HORIZONTAL LOCATION UTILIZING CMS SPEC. 623. LARGE VOIDS SHALL BE FILLED WITH LOW STRENGTH MORTAR OR APPROVED EQUAL. COMPLY WITH THE LANDSCAPE NOTES ON SHEETS 195-196 WHEN STORING, REPAIRING, CLEANING, AND SETTING THE MARKER. IF THE MONUMENT CANNOT BE REMOVED WITHOUT DAMAGE, COMPLY WITH THE LANDSCAPE NOTES ON SHEETS 195-196 WHEN CONSTRUCTING THE REPLACEMENT MONUMENT.
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED TO PERFORM THIS REMOVAL, RESETTING, AND STORAGE.

CALCULATED
DJB
CHECKED
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GENERAL NOTES

FRA-40-7.00

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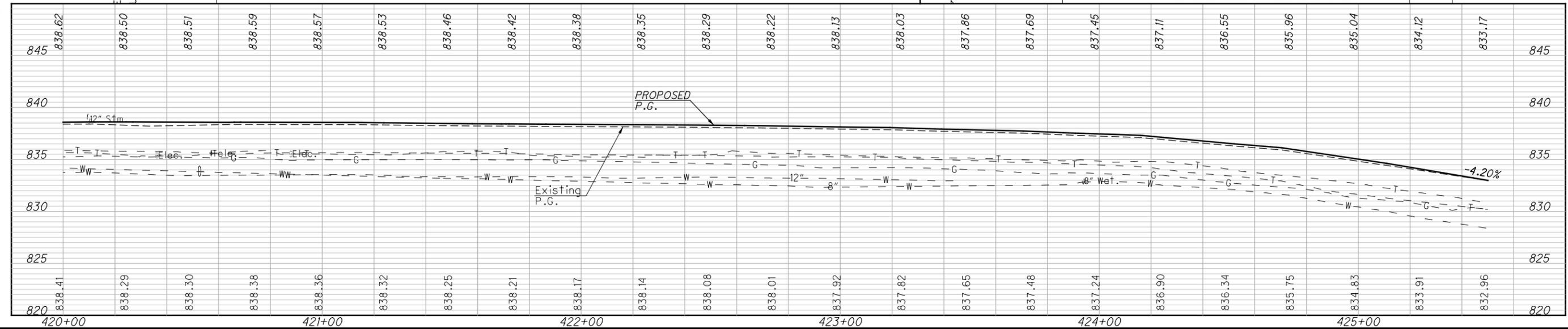
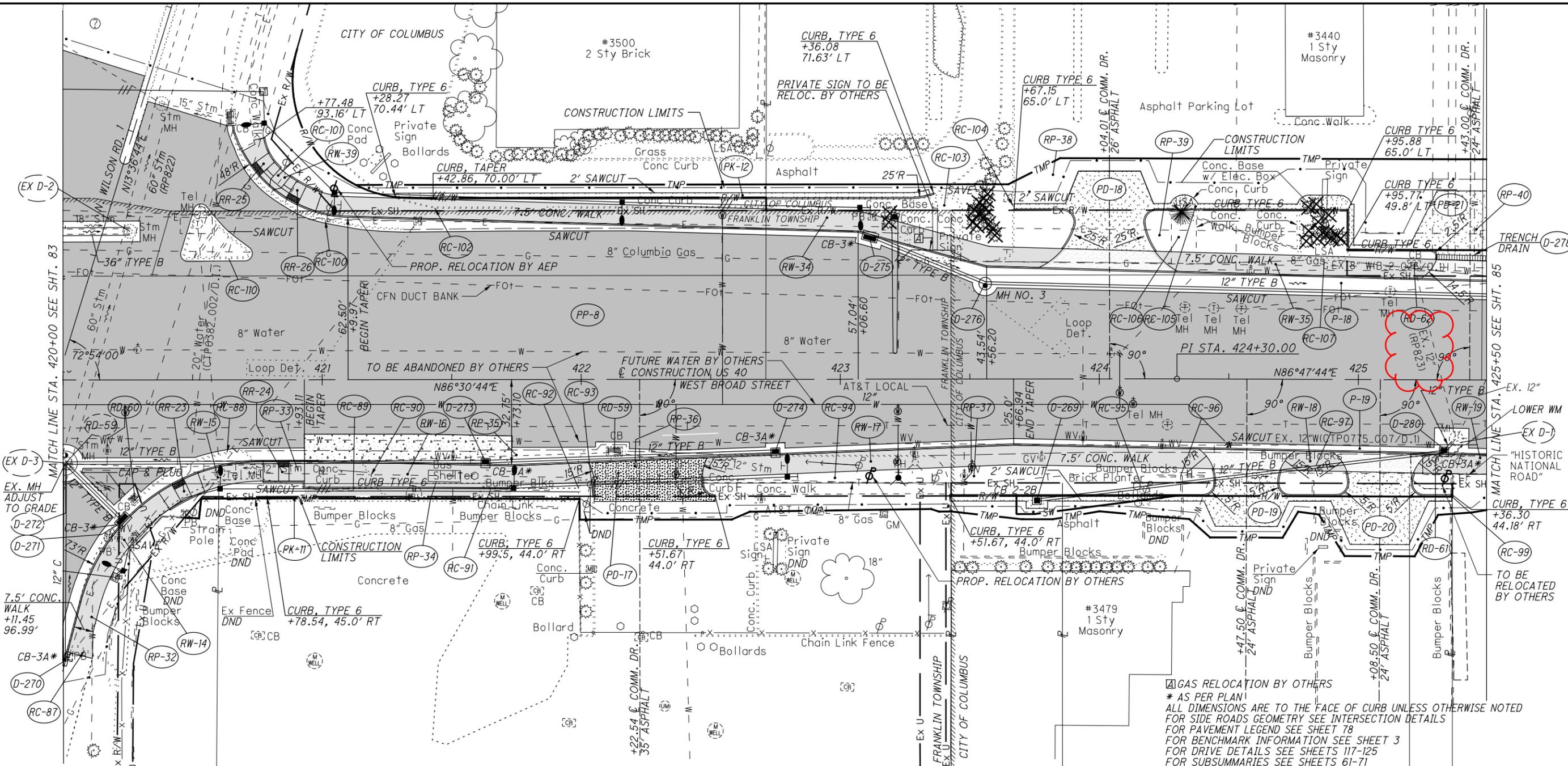
SHEET NUM.														PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.			
6	8	61	62	63	64	65	66	67	72	73	74	75	105	01/SAF/21	02/NHS/05									
																LS		201	11001	LS		ROADWAY	6	
								7,012								7,012		202	23000	7,012	SY		PAVEMENT REMOVED	
		2,853	2,174	4,236											9,263		202	30000	9,263	SF			WALK REMOVED	
			16												16		202	30600	16	SY			CONCRETE MEDIAN REMOVED	
				74											74		202	30800	74	SY			TRAFFIC ISLAND REMOVED	
		945	1,087	1,274											3,306		202	32000	3,306	FT			CURB REMOVED	
		54													54		202	32500	54	FT			CURB AND GUTTER REMOVED	
					2,107	1,709									1,908	1,908	202	35100	3,816	FT			PIPE REMOVED, 24" AND UNDER	
					3,105	424									1,765	1,764	202	35200	3,529	FT			PIPE REMOVED, OVER 24"	
		37.5													37.5		202	38000	37.5	FT			GUARDRAIL REMOVED	
		50	47	12											109		SPECIAL	20252990	109	EACH			PARKING BLOCK REMOVED	8
					8	7									15		202	58000	15	EACH			MANHOLE REMOVED	
					30	19									39	10	202	58100	49	EACH			CATCH BASIN REMOVED	
						30									30		SPECIAL	20270000	30	FT			FILL AND PLUG EXISTING CONDUIT ,12"	7
					88										88		SPECIAL	20270000	88	FT			FILL AND PLUG EXISTING CONDUIT, 18"	7
		14	2	2											18		202	98100	18	EACH			REMOVAL MISC.: BOLLARD	8
			1	1											2		202	98100	2	EACH			REMOVAL MISC.: BUS SHELTER	8
		6		2											8		202	98100	8	EACH			REMOVAL MISC.: BENCH	8
		3		1											4		202	98100	4	EACH			REMOVAL MISC.: BRICK PLANTER	8
				1											1		202	98100	1	EACH			REMOVAL MISC.: REMOVE AND RESET HISTORICAL MILE POST	8
				2											2		202	98100	2	EACH			REMOVAL MISC.:WOOD POST	8
				1											1		202	98100	1	EACH			REMOVAL MISC.:WHITE CASTLE SIGN	7
			36												36		202	98200	36	FT			REMOVAL MISC.: TIMBER PLANTER	8
			52												52		202	98200	52	FT			REMOVAL MISC.: TIMBER WALL	8
		314	381	431											1,126		202	98400	1,126	SF			REMOVAL MISC.: CONCRETE PAD	8
			29												29		202	98400	29	SF			REMOVAL MISC.: PAVER BLOCKS	8
														2,499	2,499		203	10000	2,499	CY			EXCAVATION	
														1,787	1,787		203	20000	1,787	CY			EMBANKMENT	
									2,943	3,329	2,060	520			8,852		204	10000	8,852	SY			SUBGRADE COMPACTION	
				1											1		511	81300	1	EACH			CONCRETE, MISC.:CAST STONE HISTORICAL MILE MARKER	195
					18,410	17,662									36,072		608	10000	36,072	SF			4" CONCRETE WALK	
						879									879		608	52000	879	SF			CURB RAMP	
						1,701									1,701		608	52001	1,701	SF			CURB RAMP, AS PER PLAN	7
11															11		623	38500	11	EACH			MONUMENT ASSEMBLY, TYPE C	
13															13		623	40520	13	EACH			RIGHT-OF-WAY MONUMENT, TYPE B	
															LS		878	25000	LS				INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
																							EROSION CONTROL	
		2													2		659	00100	2	EACH			SOIL ANALYSIS TEST	
		140													140		659	00300	140	CY			TOPSOIL	
		1,256													1,256		659	10000	1,256	SY			SEEDING AND MULCHING	
		63													63		659	14000	63	SY			REPAIR SEEDING AND MULCHING	
		63													63		659	15000	63	SY			INTER-SEEDING	
		0.18													0.18		659	20000	0.18	TON			COMMERCIAL FERTILIZER	
		0.26													0.26		659	31000	0.26	ACRE			LIME	
		8													8		659	35000	8	MGAL			WATER	
															LS		832	15000	LS				STORM WATER POLLUTION PREVENTION PLAN	
															LS		832	15002	LS				STORM WATER POLLUTION PREVENTION INSPECTIONS	
															LS		832	15010	LS				STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
															55,000		832	30000	55,000	EACH			EROSION CONTROL	
																							ENVIRONMENTAL / REMEDIATION	
		2,800													2,800		SPECIAL	69065000	2,800	TON			WORK INVOLVING NON-REGULATED MATERIALS	8
		2,800													2,800		SPECIAL	69065016	2,800	TON			WORK INVOLVING PETROLEUM CONTAMINATED SOIL	8
		9,000													9,000		SPECIAL	69065022	9,000	GAL			WORK INVOLVING NON-REGULATED WATER	8
		9,000													9,000		SPECIAL	69065024	9,000	GAL			WORK INVOLVING REGULATED WATER	8

GENERAL SUMMARY

FRA -40-7.00

CALCULATED
LZS
CHECKED
GKB

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HORIZONTAL SCALE IN FEET

CALCULATED: DJB
CHECKED: DJH

PLAN AND PROFILE - US 40
STA. 420+00 TO STA. 425+50

FRA-40-7.00

84

242

GAS RELOCATION BY OTHERS
 * AS PER PLAN!
 ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED
 FOR SIDE ROADS GEOMETRY SEE INTERSECTION DETAILS
 FOR PAVEMENT LEGEND SEE SHEET 78
 FOR BENCHMARK INFORMATION SEE SHEET 3
 FOR DRIVE DETAILS SEE SHEETS 117-125
 FOR SUBSUMMARIES SEE SHEETS 61-71

