

EXISTING PLANS

EXISTING PLANS ENTITLED FRA-C.R. 32, HAYDEN RUN ROAD PHASE C MAY BE INSPECTED IN THE ODOT DISTRICT 6 OFFICE AT 400 E. WILLIAM STREET, DELAWARE, OH 43015 PHONE: 740-833-8000.

UTILITIES

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

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).

ODOT DISTRICT 6 TRAFFIC
 ATTN: DAVID CARLIN
 400 EAST WILLIAMS ST
 DELAWARE, OH 43015
 OFFICE: 740-833-8267

CITY OF COLUMBUS
 DIVISION OF WATER
 910 DUBLIN RD
 COLUMBUS, OH 43215
 OFFICE: 614-645-7788

CITY OF COLUMBUS
 DPU - DIVISION OF SEWERAGE AND DRAINAGE
 ATTN: SEWER MAINTENANCE MANAGER
 1250 FAIRWOOD AVE
 COLUMBUS, OH 43206
 OFFICE: 614-645-7102

CITY OF UPPER ARLINGTON
 PUBLIC WORKS DIVISION
 ATTN: TOM NUTINI
 4100 ROBERTS RD
 COLUMBUS, OH 43228
 OFFICE: 614-583-5350
 TNUTINI@UAOH.NET

AMERICAN ELECTRIC POWER (CITY PROJECTS/DISTRIBUTION)
 ATTN: PAUL PAXTON
 777 HOPEWELL DRIVE
 HEATH, OHIO 43056
 OFFICE: 740-348-5322
 AEP SOLUTION CENTER: 800-277-2177
 PTPAXTON@AEP.COM, CC: UBLANUSA@AEP.COM

AMERICAN ELECTRIC POWER (TRANSMISSION)
 ATTN: MICHAEL CARR
 8600 SMITHS MILL RD
 NEW ALBANY, OHIO 43054
 OFFICE: 380-205-5072
 TL_PUBLICPROJECTS@AEP.COM

COLUMBIA GAS
 ATTN: ROB CALDWELL
 3550 JOHNNY APPLESEED CT
 COLUMBUS, OHIO 43231
 OFFICE: 614-818-2104; CELL: 614-370-1906
 CUSTOMER SERVICE: 800-344-4077
 DAMAGE PREVENTION: 866-632-6243
 COLUMBIAGAS_COLUMBUSENG@NISOURCE.COM
 CC: RCALDWELL@NISOURCE.COM

MARATHON PIPE LINE, LLC
 ATTN: AUSTIN GUYER
 10722 EAST COUNTY RD 300 NORTH
 INDIANAPOLIS, IN 46234
 CELL: 317-473-7441
 AGUYER@MARATHONPETROLEUM.COM

UTILITIES (CONTINUED):

CHARTER COMMUNICATIONS/SPECTRUM
 (AKA TIME WARNER COMMUNICATIONS)
 3760 INTERCHANGE ROAD
 COLUMBUS, OH 43204
 OFFICE: 614-481-5047
 DL-MOH-CONSTRUCTION-FRELO-TEAM@CHARTER.COM

AT&T (FKA SBC)
 ATTN: DONALD G. MARSHALL JR.
 111 NORTH 4TH ST
 COLUMBUS, OH 43215
 CELL: 614-216-2396
 DM619W@ATT.COM
 CC: TL9569@ATT.COM, KG1963@ATT.COM, BT2178@ATT.COM

CROWN CASTLE FIBER (AKA FIBERTECH & LIGHTTOWER)
 ATTN: JON TARNOWSKI
 2 EASTON OVAL - SUITE 425
 COLUMBUS, OH 43219
 OFFICE: 585-445-5813; CELL: 614-940-2462
 JON.TARNOWSKI@CROWNCastle.COM

LUMEN (FKA CENTURY LINK,
 LEVEL 3 COMMUNICATIONS, TW TELECOM)
 ATTN: HEATHER BLACKBURN (TULSA, OK)
 HEATHER.BLACKBURN@LUMEN.COM
 RELOCATIONS@LUMEN.COM

MCI (VERIZON BUSINESS)-XO, NEXTLINK
 757 COMMERCE CT
 LEWIS CENTER, OH 44035
 ATTN: MAURICE JONES (CELL: 614-593-6685)
 ATTN: BOB DILLOW (CELL: 614-816-0361)
 VZ.NET.COLUMBUS@VERIZON.COM
 CC: JOHN.CORNELL@VERIZONWIRELESS.COM
 MICHAEL.HENNON@VERIZONWIRELESS.COM
 MICHAEL.BONDY@VERIZONWIRELESS.COM
 SVEN.CHRISTIANSON@VERIZONWIRELESS.COM

WOW! INTERNET CABLE & PHONE
 3675 CORPORATE DR
 COLUMBUS, OH 43231
 OFFICE: 614-948-4611
 COLFR@WOWINC.COM
 CC: MARK.FREY@WOWINC.COM

EVERSTREAM SOLUTIONS
 ATTN: KANN KHAY
 240 NORTH 5TH ST, STE 168
 COLUMBUS, OH 43215
 OFFICE: 614-354-7666
 KKHAY@EVERSTREAM.NET
 SLANCIA@EVERSTREAM.NET
 SSALAH@EVERSTREAM.NET

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.

ROUNDING

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

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.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 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: ODOT VRS
 MONUMENT TYPE: TYPE B
VERTICAL POSITIONING
 ORTHOMETRIC HEIGHT DATUM: NAVD 88
 GEOID: 12A
HORIZONTAL POSITIONING
 REFERENCE FRAME: NAD83 (2011)
 ELLIPSOID: GRS-80
 MAP PROJECTION: LAMBERT CONFORMAL CONIC
 COORDINATE SYSTEM: OHIO STATE PLANE SOUTH ZONE
 COMBINED SCALE FACTOR: 1.0000250899
 ORIGIN OF COORDINATE SYSTEM: 0,0,0

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 C&MS 623.

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

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.

ITEM 204, PROOF ROLLING

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

ITEM 204, PROOF ROLLING	1 HOUR
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CLEARING AND GRUBBING

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.

SEEDING AND MULCHING

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

ITEM 659, TOPSOIL	117 CU. YD.
ITEM 659, SEEDING AND MULCHING	605 SQ. YD.
ITEM 659, SEEDING AND MULCHING, CLASS 4B 308 SQ. YD.	
ITEM 659, REPAIR SEEDING AND MULCHING	46 SQ. YD.
ITEM 659, COMMERCIAL FERTILIZER	0.21 TON
ITEM 659, LIME	0.19 ACRES
ITEM 659, WATER	6 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. ADDITIONALLY, THE AREA OUTLINED ON SHEET P.35 SHALL UTILIZE SEED MIX TYPE 4B - LOW GROWING NATIVE GRASS MIXTURE. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

REVIEW OF DRAINAGE FACILITIES

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

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

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

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

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

ITEM 605, 6" UNCLASSIFIED PIPE UNDERDRAINS	50 FT.
ITEM 611, 6" CONDUIT, TYPE F	50 FT.

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, 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, NOTIFY THE ENGINEER 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, NOTIFY THE ENGINEER 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 IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED
 ALL EXISTING CASTINGS ON STRUCTURES TO BE REPLACED SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT OF WAY FOR SALVAGE BY ODOT STATE FORCES.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

ADJUSTED TO GRADE

THE FOLLOWING QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN ADJUSTING TO GRADE THE APPURTENANCES WITHIN THE AREAS OF PAVEMENT PLANING AND PAVING NOT ALREADY SPECIFIED ON THE ROADWAY PLANS P.31 - P.35 .

- ITEM 611, MANHOLE ADJUSTED TO GRADE 2 EA
- ITEM 611, CATCH BASIN ADJUSTED TO GRADE 2 EA
- ITEM 623, MONUMENT ASSEMBLY ADJUSTED TO GRADE 2 EA
- ITEM 638, VALVE BOX ADJUSTED TO GRADE 2 EA

EXISTING DRAINAGE STRUCTURES

CONTRACTOR SHALL ADJUST MILLING AND OVERLAY OPERATIONS AT EXISTING PAVEMENT NO. 2A INLETS REFERRED TO IN THE PLANS TO PROVIDE DEPRESSED AREA AS SHOWN ON ODOT SCD I-2A.

PAYMENT FOR THE ADDITIONAL MILLING REFERENCED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE.

ITEM SPECIAL, PIPE CLEANOUT, 24" AND UNDER

THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

CLEANOUT OF THE PIPE IS PAID FOR AT THE UNIT PRICE BID PER FOOT FOR ITEM SPECIAL, PIPE CLEANOUT. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

ESTIMATED QUANTITIES HAVE BEEN CARRIED FROM THE PLANS TO THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM SPECIAL, PIPE CLEANOUT, 24" AND UNDER

FEMA FLOODPLAIN

THE PROJECT AREA IS SHOWN ON FEMA FIRM 39049C0153K EFFECTIVE JUNE 17, 2008. THE ZONE AE BASE FLOOD ELEVATION IS 771. THIS PROJECT WILL NOT DISTURB ANY AREA WITHIN THE FLOODPLAIN.

PERMITS

WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE - PERMIT OFFICE BETWEEN THE HOURS OF 7:30AM TO 4:00PM MONDAY THROUGH FRIDAY, PHONE: 614-645-7497; FAX: 614-645-1876; EMAIL: COLSPERMITS@COLUMBUS.GOV

PARTIAL AND FULL DEPTH PAVEMENT REPAIR

PARTIAL OR FULL DEPTH PAVEMENT REPAIR SHALL BE PERFORMED ON THE EXISTING PAVEMENT AS DETAILED ON THIS SHEET. LOCATIONS FOR PAVEMENT REPAIR SHALL BE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE.

- ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441) 500 SY
- ITEM 253, PAVEMENT REPAIR 500 SY

ITEM SPECIAL, PARKING BLOCK REMOVED

CONTRACTOR SHALL CAREFULLY REMOVE AND DISPOSE OF CONCRETE PARKING BLOCKS INCLUDING ANCHORS FROM EXISTING RIGHT OF WAY AS INDICATED IN THE PLANS. PAYMENT IS FULL COMPENSATION FOR ALL WORK INVOLVED IN THE REMOVAL AND DISPOSAL OF PARKING BLOCKS AND ANY OPERATIONS INCIDENTAL TO THEIR REMOVAL. A QUANTITY FROM SHEET P.30 HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE.

ITEM SPECIAL, PARKING BLOCK REMOVED

EXISTING DRIVE/PARKING LOT PAVEMENT TO BE REMOVED

CONTRACTOR SHALL SAWCUT AND REMOVE THE EXISTING ASPHALT PARKING AREA PAVEMENT UP TO THE EXISTING RIGHT-OF-WAY LINE AS SHOWN IN THE PLANS. CONTRACTOR SHALL REMAIN WITHIN THE EXISTING RIGHT-OF-WAY AND EXERCISE CAUTION TO NOT UTILIZE THE PRIVATE OWNER PROPERTY TO PERFORM THESE OPERATIONS.

ITEM 202, REMOVAL MISC.: BARRIER REFLECTORS

THIS WORK CONSISTS OF REMOVING ALL EXISTING BARRIER REFLECTORS ON THE GUARDRAIL WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL EXERCISE CARE TO ENSURE THE EXISTING GUARDRAIL IS NOT DAMAGED DURING THE REMOVAL PROCESS. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR AND ALL INCIDENTALS REQUIRED TO COMPLETE THESE REMOVALS. THE FOLLOWING LUMP SUM QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE.

ITEM 202, REMOVAL MISC.: BARRIER REFLECTORS LS

ITEM 202, REMOVAL MISC.: IRRIGATION SYSTEM

THIS WORK CONSISTS OF REMOVING ALL EXISTING IRRIGATION ITEMS SET WITHIN THE EXISTING OR PROPOSED RIGHT-OF-WAY AND CAPPING ANY IRRIGATION LINES AT THE RIGHT-OF-WAY LINE. THIS WORK SHALL ALSO INCLUDE THE REMOVAL OF AN ELECTRICAL OUTLET SHOWN IN THE PLANS. ANY UNIDENTIFIED PRIVATE SYSTEMS DISCOVERED DURING CONSTRUCTION SHALL BE REMOVED IN A PROFESSIONAL WORKMANLIKE MANNER.

CONTRACTOR SHALL COORDINATE THIS WORK WITH THE OWNER AND ENSURE THAT ANY CAPPED LINES ARE FREE FROM LEAKS AND THAT ANY ELECTRICAL LINES ARE TERMINATED AT THE RIGHT-OF-WAY LINE IN A SATISFACTORY MANNER.

THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR AND ALL INCIDENTALS REQUIRED TO COMPLETE THESE REMOVAL. THE FOLLOWING LUMP SUM QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE.

ITEM 202, REMOVAL MISC.: IRRIGATION SYSTEM LS

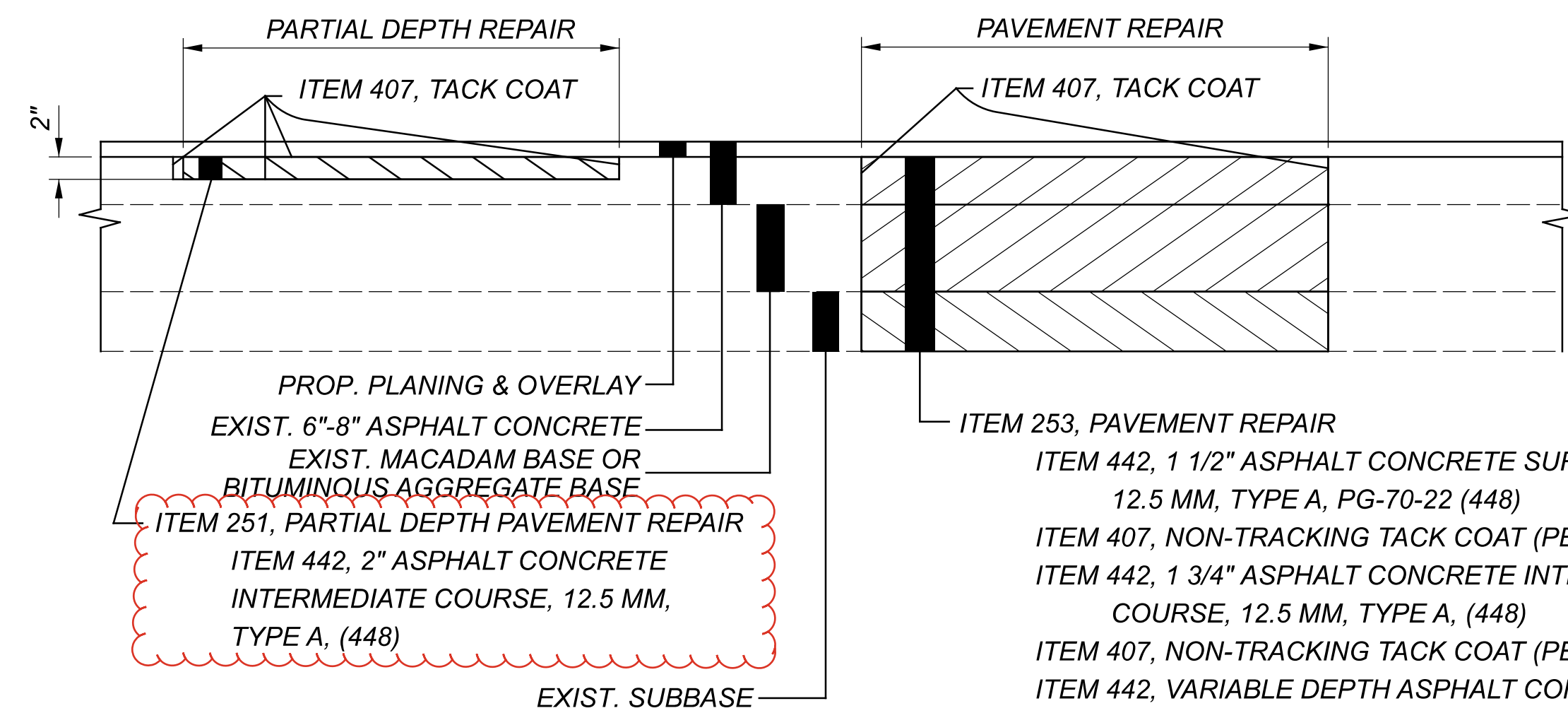
ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

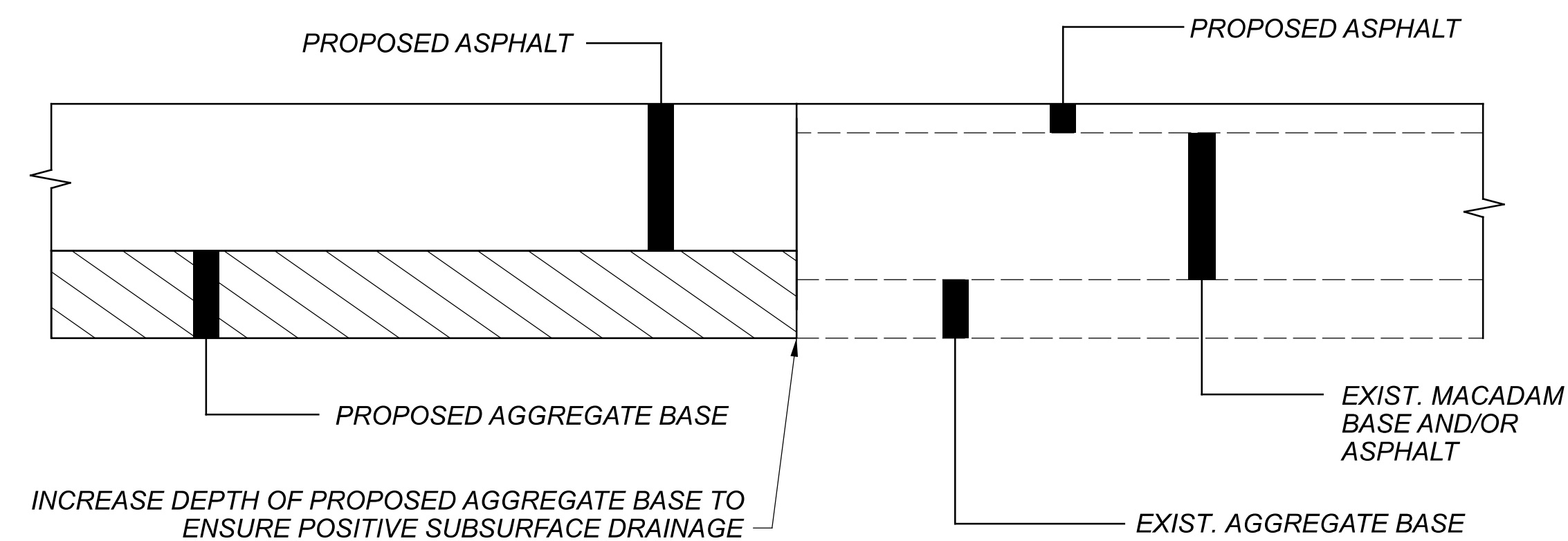
REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.



PARTIAL AND FULL DEPTH PAVEMENT REPAIR DETAIL



ITEM 304, AGGREGATE BASE DETAIL

CITY OF COLUMBUS (DIVISION OF POWER)

THE DIVISION OF POWER (DOP) MAY HAVE UNDERGROUND OR OVERHEAD PRIMARY POWER, SECONDARY POWER, CONDUIT SYSTEMS AND STREET LIGHTING AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY **REQUIRED** TO CONTACT OUPS AT 811 OR 1-800-362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING **ANY ACTIVITY** WITHIN THE CONSTRUCTION AREA.

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT. DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMSC). ANY NEW OR RE-INSTALLED UNDERGROUND STREETLIGHT SYSTEM SHALL

CITY OF COLUMBUS (DIVISION OF POWER) CONT'D

REQUIRE TESTING AS REFERRED TO IN SECTION 1001.18 OF THE CMSC MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING STREET LIGHTING LOCKOUT/TAGOUT (LOTO) PROCEDURE, MIS-01, COPIES OF WHICH ARE AVAILABLE FROM DOP.

IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, THE DOP DISPATCH OFFICE SHOULD BE CONTACTED IMMEDIATELY AT (614) 645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

ITEM 304, AGGREGATE BASE

CONTRACTOR SHALL ADJUST THE THICKNESS OF THE PROPOSED 304 AGGREGATE BASE COURSE AS SHOWN IN THE DETAIL ON THIS SHEET AND IN THE TYPICAL SECTIONS TO ENSURE POSITIVE SUBSURFACE DRAINAGE. A CONTINGENCY QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE.

ITEM 304, 6" AGGREGATE BASE

60 CY

GENERAL NOTES

FRA-33-6-15

MODEL: General Notes - Sheet 2 PAPER SIZE: 34x42 (in.) DATE: 12/11/2024 TIME: 4:55:14 PM USER: BWallace p:\arcadis-us-pw\benlley.com\arcadis-us-01\Documents\01 Active Projects\30062439400_CAD\400-Engineering\Roadway\Sheets\112035_GN001.dgn

DESIGN AGENCY
ARCADIS
 1755 HUNTINGTON ROAD, STE 100
 COLUMBUS, OHIO 43261
 (614) 985-9700
 www.arcadis.com

DESIGNER
BLW

REVIEWER
SMG 08-23-21

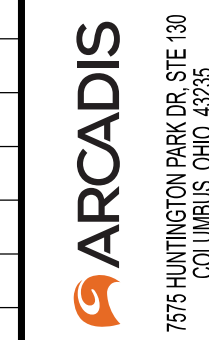
PROJECT ID
112035

SHEET TOTAL
P.6 80

SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
P.5	P.6	P.7	P.8	P.9	P.10	P.11	P.30	P.46	P.54	Office Calc			01/NHS/21	EXT	TOTAL				
ROADWAY																			
LS													LS	201	11000	LS	CLEARING AND GRUBBING	P.5	
							852						852	202	23000	852	SY	PAVEMENT REMOVED	
							388						388	202	30000	388	SF	WALK REMOVED	
							267						267	202	32000	267	FT	CURB REMOVED	
							343						343	202	35100	343	FT	PIPE REMOVED, 24" AND UNDER	
							10						10	202	35200	10	FT	PIPE REMOVED, OVER 24"	
							137						137	202	38000	137	FT	GUARDRAIL REMOVED	
							2						2	202	42010	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
							23						23	SPECIAL	20252990	23	EACH	PARKING BLOCK REMOVED	P.6
							1						1	202	58200	1	EACH	INLET REMOVED	
							219						219	SPECIAL	20270110	219	FT	PIPE CLEANOUT, 24" AND UNDER	P.6
							2						2	202	75250	2	EACH	GATE REMOVED	
							1						1	202	75610	1	EACH	VALVE BOX REMOVED	
	LS												LS	202	98000	LS		REMOVAL MISC.:IRRIGATION SYSTEM	P.6
	LS												LS	202	98000	LS		REMOVAL MISC.:BARRIER REFLECTOR	P.6
								496					496	203	10000	496	CY	EXCAVATION	
								234					234	203	20000	234	CY	EMBANKMENT	
									77	1,506			1,583	204	10000	1,583	SY	SUBGRADE COMPACTION	
1													1	204	45000	1	HOUR	PROOF ROLLING	
							175						175	606	15050	175	FT	GUARDRAIL, TYPE MGS	
							1						1	606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E	
							1						1	606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
							382						382	608	10000	382	SF	4" CONCRETE WALK	
							116						116	608	52000	116	SF	CURB RAMP	
	2						7						9	623	39500	9	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE	P.6
EROSION CONTROL																			
							3						3	601	11000	3	SY	RIPRAP, TYPE D	
							1.4						1.4	602	20000	1.4	CY	CONCRETE MASONRY	
117													117	659	00300	117	CY	TOPSOIL	P.5
605													605	659	10000	605	SY	SEEDING AND MULCHING	P.5
308													308	659	00560	308	SY	SEEDING AND MULCHING, CLASS 4B	P.5
46													46	659	14000	46	SY	REPAIR SEEDING AND MULCHING	P.5
0.21													0.21	659	20000	0.21	TON	COMMERCIAL FERTILIZER	P.5
0.19													0.19	659	31000	0.19	ACRE	LIME	P.5
6													6	659	35000	6	MGAL	WATER	P.5
													15,000	832	30000	15,000	EACH	EROSION CONTROL	
DRAINAGE																			
							587						587	605	06020	587	FT	4" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
50													50	605	13300	50	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	P.5
							50						50	611	00410	50	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	
50													50	611	01500	50	FT	6" CONDUIT, TYPE F	P.5
							342						342	611	04400	342	FT	12" CONDUIT, TYPE B	
							54						54	611	04600	54	FT	12" CONDUIT, TYPE C	
							32						32	611	22600	32	FT	54" CONDUIT, TYPE C, 706.02	
							3						3	611	98150	3	EACH	CATCH BASIN, NO. 3	
							1						1	611	98470	1	EACH	CATCH BASIN, NO. 2-2B	
	2						3						5	611	98630	5	EACH	CATCH BASIN ADJUSTED TO GRADE	P.6
							1						1	611	99010	1	EACH	INLET, NO. 2-A-20	
							1						1	611	99150	1	EACH	INLET ADJUSTED TO GRADE	
							2						2	611	99154	2	EACH	INLET RECONSTRUCTED TO GRADE	
							1						1	611	99574	1	EACH	MANHOLE, NO. 3	
	2						1						3	611	99654	3	EACH	MANHOLE ADJUSTED TO GRADE	P.6

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
BLW

REVIEWER
SMG 11-29-22

PROJECT ID
112035

SHEET TOTAL
P.26 80

