

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

FRA-3-20.40 CLINTON TOWNSHIP FRANKLIN COUNTY

FEDERAL PROJECT NUMBER

E191(620)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT INCLUDES MODIFYING LANE CONFIGURATIONS OF APPROXIMATELY 0.31 MILES OF SR 3 FROM S.L.M. 20.40 TO S.L.M. 20.71 AND APPROXIMATELY 0.08 MILES OF OAKLAND PARK AVENUE FROM S.L.M. 1.64 TO S.L.M. 1.72. THE PROJECT ALSO INCLUDES MILLING AND FILLING THE EXISTING PAVEMENT TRAVEL LANES WITHIN THE WORK ZONE DESCRIBED ABOVE. MINOR PAVEMENT WIDENING OF APPROXIMATELY 0.03 MILES OF SR 3 FROM S.L.M. 20.64 TO S.L.M. 20.67 IS ALSO INCLUDED.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.02 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)

2019 SPECIFICATIONS

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

FRANKLIN COUNTY APPROVALS

SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS. APPROVAL ON THE PART OF THE FRANKLIN COUNTY ENGINEER'S OFFICE IS GIVEN FOR WORK WITHIN THE FRANKLIN COUNTY RAW ONLY.

FRANKLIN COUNTY ENGINEER DATE

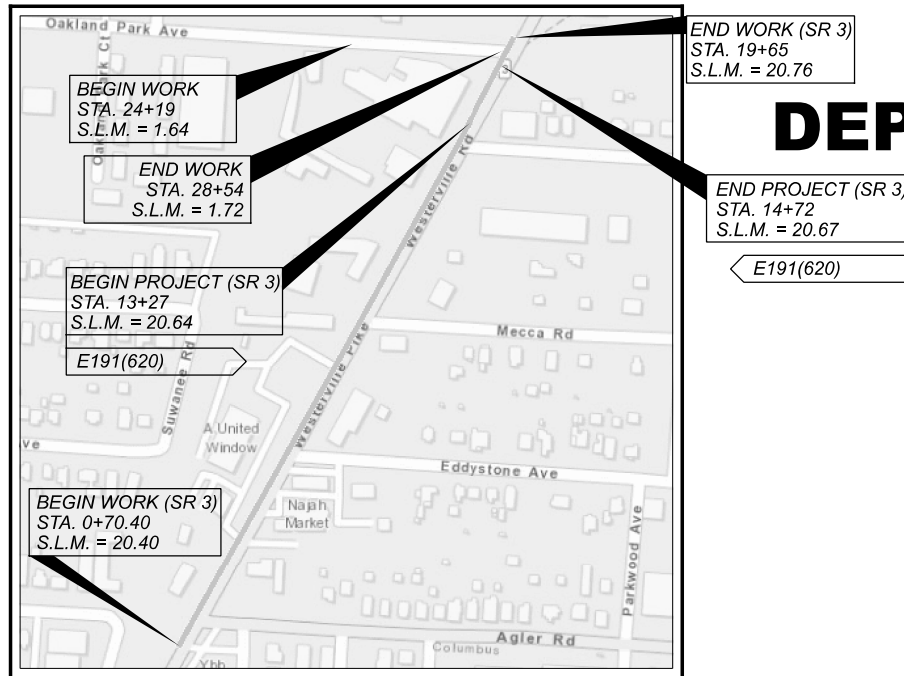
FRANKLIN COUNTY CHIEF DEPUTY ENGINEER DATE

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED _____
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION



LOCATION MAP

LATITUDE: N 40° 01' 52" LONGITUDE: W 83° 57' 26"

PORTION TO BE IMPROVED	—————
INTERSTATE HIGHWAY	—————
FEDERAL ROUTES	—————
STATE ROUTES	—————
COUNTY & TOWNSHIP ROADS	—————
OTHER ROADS	—————

DESIGN DESIGNATION	WESTERVILLE RD (SR 3)	OAKLAND PARK
CURRENT ADT (2022)	19,000	10,400
DESIGN YEAR ADT (2042)	26,500	12,400
DESIGN HOURLY VOLUME (2042)	2,600	1,200
DIRECTIONAL DISTRIBUTION	56%	55%
TRUCKS (24 HOUR B&C)	4%	4%
DESIGN SPEED	35/45 MPH	35 MPH
LEGAL SPEED	35/45 MPH	35 MPH
DESIGN FUNCTIONAL CLASSIFICATION:		
04 MINOR ARTERIAL (URBAN)		
NHS PROJECT	NO	

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811.org
Before You Dig

OHIO 811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:



ENGINEER'S SEAL:

SIGNED: _____
DATE: 2/23/2022

INDEX OF SHEETS:

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STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-3.1	1/17/20	TC-16.22	7/16/21	800-2019	10/15/21		
		TC-21.11	7/16/21	832	10/19/18		
CB-6	1/21/22	TC-22.20	1/17/14	861	1/15/21		
		TC-41.20	10/18/13	821	4/20/12		
DM-1.1	7/17/20	TC-42.20	10/18/13	921	4/20/12		
		TC-52.10	10/18/13				
MT-95.31	7/19/19						
		TC-65.10	1/17/14				
MT-95.60	4/19/19	TC-65.11	7/21/17				
MT-95.61	4/19/19	TC-71.10	1/19/18				
		TC-74.10	7/16/21				
MT-101.90	7/17/20						
MT-102.20	4/19/19	TC-84.20	10/18/13				
MT-105.10	1/17/20	TC-84.21	10/18/13				
		TC-85.22	1/19/18				

TITLE SHEET



DESIGN AGENCY	JMT
DESIGNER	VLC
REVIEWER	RJM
PROJECT ID	110799
SHEET	1
TOTAL	23

FRA-3-20.40

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 2/24/2022 TIME: 10:36:51 AM USER: jconley C:\2019\1902666_001_District_6_Safety_De\CADD\110799\400-Engineering\Roadway\Sheets\110799_GT001.dgn

UTILITIES

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

AEP OHIO
 700 MORRISON ROAD
 GAHANNA, OH 43230
 ATTN.: BRENT GATES
 P. 614.883.6802

CITY OF COLUMBUS
 DIVISION OF SEWERAGE
 AND DRAINAGE
 1250 FAIRWOOD AVE.
 COLUMBUS, OH 43206
 P. 614.645.0483

ODOT D6 TRAFFIC
 400 EAST WILLIAMS ST.
 DELAWARE, OH 43015
 P. 740.833.8024

FRANKLIN COUNTY
 ENGINEERS OFFICE
 970 DUBLIN ROAD
 COLUMBUS, OH 43215
 ATTN.: STEVE BUSKIRK
 P. 614.525.3063

COLUMBIA GAS OF OHIO
 3550 JOHNNY APPLESEED CT.
 COLUMBUS, OH 43231
 ATTN.: STEPHANIE THOMAS
 P. 614.818.2123

MCI (VERIZON BUSINESS)
 120 RAVINE ST.
 AKRON, OH 44303
 ATTN.: AL GUEST
 P. 330.253.8267

CITY OF COLUMBUS
 DEPARTMENT OF PUBLIC
 SERVICE - TRAFFIC MANAGEMENT
 1820 17TH AVE.
 COLUMBUS, OH 43219
 P. 614.645.7393

CITY OF COLUMBUS
 DIVISION OF WATER
 910 DUBLIN ROAD
 COLUMBUS, OH 43215
 P. 614.645.7787

CITY OF COLUMBUS
 DIVISION OF POWER
 3500 INDIANOLA AVE.
 COLUMBUS, OH 43214
 P. 614.645.7534
 P (24HR). 614.645.7627

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.

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.

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

ALL CASTINGS SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT OF WAY FOR SALVAGE BY CITY OR STATE FORCES.

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

CONTRACTOR'S USE OF ODOT RIGHT-OF-WAY

THE CONTRACTOR SHALL NOT BORROW FROM A SITE KNOWN, OR SUSPECTED OF HAVING, CONTAMINATED SOIL OR WATER.

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: 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 PLAN SOUTH ZONE
 COMBINED SCALE FACTOR: 0.9999631481
 ORIGIN OF COORDINATE SYSTEM: 0,0,0

SCALE FACTOR IN DRAWINGS: 1.00003685325

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

HORIZONTAL POSITIONING

THE HORIZONTAL COORDINATES EXPRESSED HEREIN ARE BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE ON NAD83 (CORS2011) DATUM BY GPS OBSERVATIONS TO THE ODOT CORS NETWORK.

ITEM 304 - AGGREGATE BASE, AS PER PLAN

TO PROVIDE POSITIVE SUBSURFACE DRAINAGE WITHIN THE AREAS DEPICTED IN THE ENGINEERING PLANS OF THE WIDENED, FULL-DEPTH PAVEMENT AREA, THE THICKNESS OF THE AGGREGATE BASE MAY BE VARIABLE THICKNESS, DEPENDENT ON THE EXISTING PAVEMENT BUILDUP. FOR QUANTITY CALCULATION PURPOSES, THE ENGINEERING PLANS HAVE UTILIZED A UNIFORM THICKNESS OF 6 INCHES.

ALL MATERIAL SPECIFICATIONS AND INSTALLATION METHODS SHALL CONFORM TO ITEM 304 OF THE C&MS.

ITEM 611 - CATCH BASIN, NO. 6, AS PER PLAN

IN ADDITION TO THE MATERIAL SPECIFICATIONS AND INSTALLATION METHODS PER THE PERTINENT ITEM 611 OF THE C&MS, THE CONTRACTOR SHALL INSTALL A HEAVY DUTY, TRAFFIC AND BICYCLE SAFE GRATE AND FRAME.


THE CONTRACTOR SHALL HAVE THE FRAME AND GRATE APPROVED BY THE ODOT PROJECT ENGINEER PRIOR TO ORDERING AND INSTALLATION DURING CONSTRUCTION.

FRANKLIN COUNTY PERMIT

THE CONTRACTOR SHALL CONTACT UTILITIES COORDINATOR AT (614) 525-3063 TO SECURE A WRITTEN PERMIT FROM THE FRANKLIN COUNTY ENGINEER'S OFFICE, 970 DUBLIN RD, A MINIMUM OF TWO WORKING DAYS PRIOR TO BEGINNING WORK WITHIN FRANKLIN COUNTY R/W. THE CONTRACTOR MAY BE REQUIRED TO POST A BOND WITH THE FRANKLIN COUNTY ENGINEER PRIOR TO ISSUANCE OF THE PERMIT TO INSURE PROPER RESTORATION OF THE PAVEMENT AND R/W. THE CONTRACTOR SHALL PROVIDE THE FRANKLIN COUNTY ENGINEER'S OFFICE A 24-HOUR TELEPHONE NUMBER TO BE USED IN CASE OF AN EMERGENCY.



SHEET NUM.							PART.		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
9	10	11	12	13		OFFICE CALCS	01/SAF/PV	EXT	TOTAL					
ROADWAY														
15							15	202	35100	15	FT	PIPE REMOVED, 24" AND UNDER		
								202	5400		EACH	CATCH BASIN REMOVED		
				52			52	204	10000	52	SY	SUBGRADE COMPACTION		
				1			1	204	45000	1	HOUR	PROOF ROLLING		
DRAINAGE														
5							5	611	00900	5	FT	6" CONDUIT, TYPE B		
10							10	611	04400	10	FT	12" CONDUIT, TYPE B		
1							1	611	98371	1	EACH	CATCH BASIN, NO. 6, AS PER PLAN	4	
PAVEMENT														
				10,744			10,744	254	01000	10,744	SY	PAVEMENT PLANING, ASPHALT CONCRETE, (1.5")		
298							298	255	20000	298	FT	FULL DEPTH PAVEMENT SAWING		
				13			13	301	46000	13	CY	ASPHALT CONCRETE BASE, PG64-22		
				9			9	304	20001	9	CY	AGGREGATE BASE, AS PER PLAN	4	
				604			604	407	20000	604	GAL	NON-TRACKING TACK COAT		
				450			450	442	20000	450	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)		
				3			3	861	11300	3	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)		
TRAFFIC CONTROL														
	132	1					133	621	00100	133	EACH	RPM		
	76	1					77	621	54000	77	EACH	RAISED PAVEMENT MARKER REMOVED		
			86				86	630	03100	86	FT	GROUND MOUNTED SUPPORT, NO. 3 POST		
			1				1	630	72520	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 7		
			2				2	630	79200	2	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM		
			1				1	630	79500	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED		
			68				68	630	80100	68	SF	SIGN, FLAT SHEET		
			1				1	630	84900	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
			1				1	630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		
			2				2	630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
			1				1	630	87500	1	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL		
			1				1	630	84510	1	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDATION		
	0.83						0.83	644	00104	0.83	MILE	EDGE LINE, 6"		
	0.2	0.02					0.22	644	00204	0.22	MILE	LANE LINE, 6"		
	0.68						0.68	644	00300	0.68	MILE	CENTER LINE		
	686						686	644	00400	686	FT	CHANNELIZING LINE, 8"		
	44	57					101	644	00500	101	FT	STOP LINE		
	175						175	644	00630	175	FT	CROSSWALK LINE, 24"		
		20					20	644	00720	20	FT	CHEVRON MARKING		
	8	12					20	644	01300	20	EACH	LANE ARROW		
	2	2					4	644	01400	4	EACH	WORD ON PAVEMENT, 72"		
	393						393	644	30000	393	FT	REMOVAL OF PAVEMENT MARKING		
TRAFFIC SIGNALS														
			420				420	632	90030	420	FT	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM: LOOP LEAD-IN CBALE	19	
			80				80	632	90500	80	FT	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE	19	
			2				2	809	69001	2	EACH	ADVANCE RADAR DETECTION, AS PER PLAN	19	
			3				3	809	69101	3	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	19	

DESIGN AGENCY

 2800 Corporate Exchange Drive, Suite 250,
 Columbus, OH 43221

DESIGNER
JAG

REVIEWER
JDC 12-17-21

PROJECT ID
110799


SHEET TOTAL
 7 | 23

FRA-3-20.40

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 2/24/2022 TIME: 10:37:27 AM USER: jconley
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REF NO.	SHEET NO.	STATION TO	STATION FROM	202	202	255	611	611	611															
				PIPE REMOVED, 24" AND UNDER	CATCH BASIN REMOVED	FULL DEPTH PAVEMENT SAWING	6" CONDUIT, TYPE B	12" CONDUIT, TYPE B	CATCH BASIN, NO. 6, AS PER PLAN	FT	EACH	FT	FT	FT	EACH	FT	FT	FT	FT	FT	FT	FT	FT	FT
D-1	16	13+25.00	13+33.00	15	1		5	10	1															
SC-1	16	13+27.00	14+00.00			77																		
SC-2	16	13+27.00	14+00.00			73																		
SC-3	18	14+00.00	14+72.58			75																		
SC-4	18	14+00.00	14+72.58			73																		
TOTALS CARRIED TO GENERAL SUMMARY				15	1	298	5	10	1															

ROADWAY SUBSUMMARY

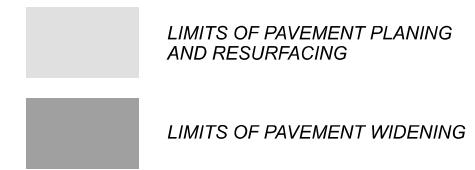
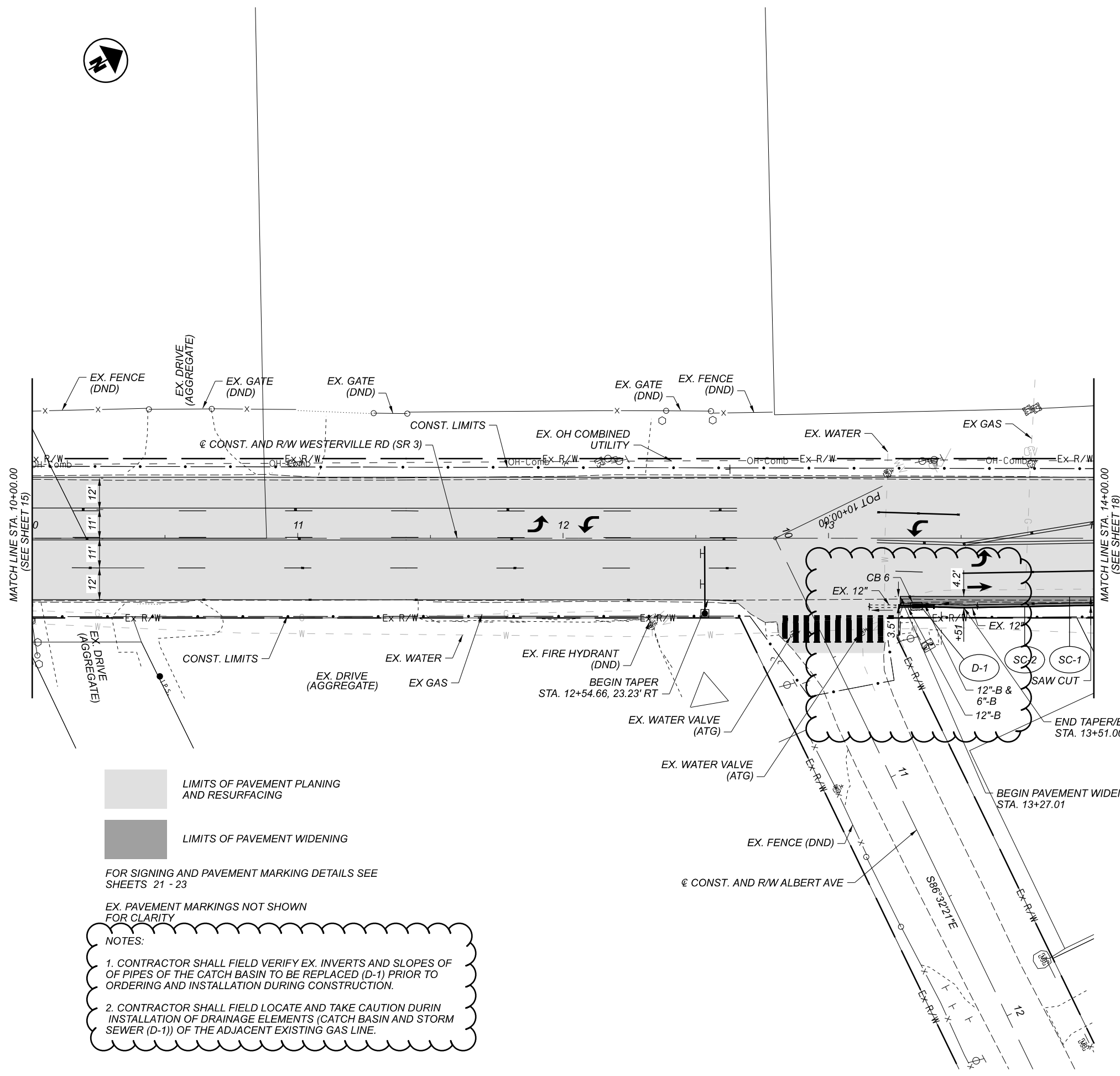
DESIGN AGENCY

 2800 Corporate Exchange Drive, Suite 250,
 Columbus, OH 43221

DESIGNER
 JAG

REVIEWER
 JDC 12-17-21

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SHEET TOTAL
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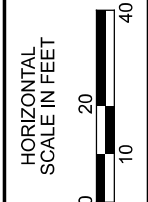


FOR SIGNING AND PAVEMENT MARKING DETAILS SEE SHEETS 21 - 23

EX. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY

- NOTES:
1. CONTRACTOR SHALL FIELD VERIFY EX. INVERTS AND SLOPES OF PIPES OF THE CATCH BASIN TO BE REPLACED (D-1) PRIOR TO ORDERING AND INSTALLATION DURING CONSTRUCTION.
 2. CONTRACTOR SHALL FIELD LOCATE AND TAKE CAUTION DURING INSTALLATION OF DRAINAGE ELEMENTS (CATCH BASIN AND STORM SEWER (D-1)) OF THE ADJACENT EXISTING GAS LINE.

D-1 CATCH BASIN, NO. 6, APP STA. 13+33.15, 26.34' RT.
 E GRATE 868.62
 E 6" (N) 865.84 ±
 E 12" (N) 861.62 ±
 E 12" (S) 861.62 ±



PLAN - WESTERVILLE ROAD (SR 3)
 STA. 10+00.00 TO STA. 14+00.00

DESIGN AGENCY



DESIGNER
 JDC

REVIEWER
 RJM 12-17-21

PROJECT ID
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SHEET	TOTAL
16	23