UTILITIES

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

OHIO EDISON COMPANY
CHAD HAMPTON
6326 LAKE AVE
ELYRIA, OH 44035
330-716-6757
HAMPSONC@FIRSTENERGYCORP.COM

OHIO EDISON COMPANY
NATALIE CAMP
6326 LAKE AVE
ELYRIA, OH 44035
440-326-3319
NCAMP@FIRSTENERGYCORP.COM

WINDSTREAM
CHARLES FURBAY
245 N MAIN ST
HUDSON, OH 44236
330-447-1965
CHARLES.FURBAY@WINDSTREAM.COM

CITY OF NORTH RIDGEVILLE SCHOOL DISTRICT
PAUL HEIRONYMUS
34620 BAINBRIDGE RD
NORTH RIDGEVILLE, OH 44039
440-327-8970
PAULHIERONYMUS@NRCS.NET

ANDREA VANCE
5490 MILLS CREEK LANE
NORTH RIDGEVILLE, OH 44039
ANDREAVANCE@NRCS.NET

CROWN CASTLE
JON TARNOWKSI
15565 NEO PARKWAY
GARFIELD HEIGHTS, OH 44128
614-940-2462
JON.TARNOWKSI@CROWNCASTLE.COM

EVERSTREAM
JOSEPH GIRDLESTONE
1228 EUCLID AVE, SUITE 250
CLEVELAND, OH 44115
234-521-2999 (CELL)
JGIRDLESTONE@EVERSTREAM.NET

CHARTER COMMUNICATIONS
HEATHER SORG
578 TERNES AVE
ELYRIA, OH 44035
216-575-8016 EXT. 2165551139 (OFFICE)
HEATHER.SORG@CHARTER.COM

MCI METRO (VERIZON)
DAN ARZ
12300 RIDGE RD
NORTH ROYALTON, OH 44133
440-457-4832 (OFFICE)
DANIEL.ARZ@VERIZON.COM

CITY OF NORTH RIDGEVILLE (WATER AND SANITARY)
CHRISTINA EAVENSON, P.E., CITY ENGINEER
7307 AVON BELDEN RD
NORTH RIDGEVILLE, OH 44039
440-353-0842
CEAVENSON@NRIDGEVILLE.ORG

BREEZELINE (FORMERLY WOW CABLE)
JOSE DIAZ
105 BLAZE INDUSTRIAL PKWY
BEREA, OH 44017
216-385-3901
JDIAZ@BREEZELINE.COM

COLUMBIA GAS OF OHIO
ADAM WOODIE
3101 NORTH RIDGE RD E
LORAIN, OH 44055
440-242-5672
AWOODIE@NISOURCE.COM

THE CONTRACTOR SHALL VERIFY THE DEPTH OF ALL UTILITIES WITHIN THE PROJECT CONSTRUCTION LIMITS PRIOR TO THE START OF ANY EXCAVATION.

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.

ROUNDING

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

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.02 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: NAVD88
GEIOD18

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83(2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE NORTH ZONE
COMBINED SCALE FACTOR: 1.00007298 (GRID TO GROUND)
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 CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

THE FOLLOWING MONUMENT VERIFICATION REPORTS WILL BE REQUIRED:

623.04A - PRECONSTRUCTION MONUMENT VERIFICATION AND REPORT....LS

623.04B - POST CONSTRUCTION MONUMENT VERIFICATION AND REPORT....LS

CLEARING AND GRUBBING

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNDER A SEPERATE CONTRACT PRIOR TO CONSTRUCTION. REMOVE ALL STUMPS REMAINING FROM TREES MARKED FOR REMOVAL, AND ANY OTHERS REQUIRED FOR COMPLETION OF WORK AS DIRECTED BY THE ENGINEER. REMOVAL WITHIN THE CONSTRUCTION LIMITS UUNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF STUMPS TO BE REMOVED.

SIZES	NO. STUMPS
18"	5
30"	1
48"	0
60"	0

SEEDING AND MULCHING

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

FOR SEEDING AND MULCHING QUANITITES SEE SHEET P.28.

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

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.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON SCD RM-1.1 AND AT THE LOCATIONS SHOWN ON SHEET NO. P.02.

623, MONUMENT ASSEMBLY, TYPE C ..... 2 EACH

LIST OF ABREVIATIONS

(FOR MORE ABBREVIATIONS, REFER TO THE CONSTRUCTION & MATERIALS SPECIFICATIONS)

AA	ANCHOR ASSEMBLY
APP	AS PER PLAN
ATG	ADJUST TO GRADE
BMPCB	BRIDGE MOUNTED PORTABLE CONCRETE BARRIER
BTA	BRIDGE TERMINAL ASSEMBLY
CB	CATCH BASIN
CC	CENTER TO CENTER
CI	CURB INLET
CJ	CONSTRUCTION JOINT
CMS	CONSTRUCTION & MATERIALS SPECIFICATIONS (CURRENT EDITION)
CONST	CONSTRUCTION
DND	DO NOT DISTURB
ELEC	ELECTRIC
EOP	EDGE OF PAVEMENT
EX	EXISTING
FH	FIRE HYDRANT
FO	FIBER OPTIC
GV	GAS VALVE
INV	INVERT
LEO	LAW ENFORCEMENT OFFICER
LON	LENGTH OF NEED
MAX	MAXIMUM
MC	MASONRY COLLAR
MGS	MIDWEST GUARDRAIL SYSTEM
MOT	MAINTENANCE OF TRAFFIC
ODOT	OHIO DEPARTMENT OF TRANSPORTATION
O/H	OVERHEAD UTILITIES
O/H COMB	OVERHEAD COMBINED UTILITIES
OMUTCD	OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION)
PB	PORTABLE BARRIER
PBA	PORTABLE BARRIER, ANCHORED
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RES	RESIDENCE
RNDG	ROUNDING
SCD	STANDARD CONSTRUCTION DRAWING (CURRENT EDITION)
SDMM	SIGN DESIGN AND MARKING MANUAL (CURRENT EDITION)
SHLD	SHOULDER
SLM	STRAIGHT LINE MILEAGE
SMP	STRUCTURAL MECHANICAL PIPE
STA	STATION
STY	STORY
TBA	TO BE ABANDONED
TBR	TO BE REMOVED
TBRO	TO BE REMOVED BY OTHERS
TYP	TYPICAL
UD	UNDER DRAIN
U/G	UNDERGROUND
US 20	UNITED STATES ROUTE 20
WV	WATER VALVE
WZ	WORK ZONE
WZIA	WORK ZONE IMPACT ATTENUATOR

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.

GENERAL NOTES

DESIGN AGENCY fishbeck
DESIGNER JAL
REVIEWER BSM 11/21/24
PROJECT ID 108039
SHEET P.05 TOTAL 81

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/24/2025 TIME: 9:10:40 AM USER: bmerillat
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SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.07	P.08	P.28	P.29	P.30	P.31	P.53							01/NHS/01						
																		WATER WORK	
				250									250	202	98200	250	FT	REMOVAL MISC.:12" WATER MAIN REMOVED	
				4									4	638	00800	4	FT	6" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, BOLTLESS-RESTRAINED JOINTS AND FITTINGS	
				8									8	638	01400	8	FT	8" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, BOLTLESS-RESTRAINED JOINTS AND FITTINGS	
				291									291	638	02600	291	FT	12" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, BOLTLESS-RESTRAINED JOINTS AND FITTINGS	
				1									1	638	07800	1	EACH	6" GATE VALVE AND VALVE BOX	
				2									2	638	08100	2	EACH	12" GATE VALVE AND VALVE BOX	
				1									1	638	09710	1	EACH	12" X 8" TAPPING SLEEVE, VALVE AND VALVE BOX	
				1									1	638	10200	1	EACH	6" FIRE HYDRANT	
			2										2	638	10800	2	EACH	VALVE BOX ADJUSTED TO GRADE	
				60									60	SPECIAL	63811608	60	FT	12" WATER MAIN DIP AND FITTINGS: TR FLEX PIPE	
				2									2	SPECIAL	63820884	2	EACH	CUT AND PLUG EXISTING 12" WATER LINE	P.45
																		TRAFFIC CONTROL	
			12										12	626	00110	12	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	
					20								20	630	02100	20	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
					53								53	630	03100	53	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
					24								24	630	80100	24	SF	SIGN, FLAT SHEET	
					2								2	630	80101	2	SF	SIGN, FLAT SHEET, AS PER PLAN	P.06
					2								2	630	84900	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
					1								1	630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
					0.4								0.4	646	10010	0.4	MILE	EDGE LINE, 6"	
					0.34								0.34	646	10200	0.34	MILE	CENTER LINE (PASS PROTECTED, YELLOW)	
					0.06								0.06	646	10200	0.06	MILE	CENTER LINE(DOUBLE YELLOW)	
					58								58	646	10300	58	FT	CHANNELIZING LINE, 8"	
					23								23	646	10400	23	FT	STOP LINE	
					1								1	646	20110	1	EACH	SCHOOL SYMBOL MARKING, 96"	
					6								6	646	20300	6	EACH	LANE ARROW	
																		STRUCTURE OVER 20 FOOT SPAN (LOR-20-24.97)	
						LS							LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.52
						LS							LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
						1,760							1,760	503	21100	1,760	CY	**UNCLASSIFIED EXCAVATION**	
						600							600	507	00101	600	FT	STEEL PILES HP10X42, FURNISHED, AS PER PLAN	P.52
						640							640	507	00201	640	FT	STEEL PILES HP12X53, FURNISHED, AS PER PLAN	P.52
						195							195	SPECIAL	50771200	195	FT	PILE ENCASEMENT	P.52
						620							620	507	92201	620	FT	PREBORED HOLES, AS PER PLAN	P.52
						81,499							81,499	509	10000	81,499	LB	EPOXY COATED STEEL REINFORCEMENT	
						230							230	510	10000	230	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
						272							272	511	33312	272	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
						75							75	511	43510	75	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	
						47							47	511	51512	47	CY	CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK	
						177							177	512	10050	177	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
						328							328	512	10100	328	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
						16							16	512	33000	16	SY	TYPE 2 WATERPROOFING	
						84							84	516	13200	84	SF	½" PREFORMED EXPANSION JOINT FILLER	
						112							112	516	13600	112	SF	1" PREFORMED EXPANSION JOINT FILLER	
						133							133	516	14014	133	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
						226							226	517	75121	226	FT	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING), AS PER PLAN	P.52, 68-71
						68							68	518	21200	68	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
						133							133	518	40000	133	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
						60							60	518	40012	60	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE	
						176							176	526	10001	176	SY	REINFORCED CONCRETE APPROACH SLABS (T=12"), AS PER PLAN	P.72
						LS							LS	SPECIAL	53000200	LS		STRUCTURES (EXISTING STRUCTURE REPAIR)	P. 52
						361							361	601	32200	361	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
						1							1	625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM	

GENERAL SUMMARY

DESIGN AGENCY
fishbeck

DESIGNER
AJV

REVIEWER
BSM 11/21/24

PROJECT ID
108039

SHEET P.26 TOTAL 81

LOR-20-24.97

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/24/2025 TIME: 9:14:39 AM USER: bmerillat
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TRAFFIC CONTROL SUBSUMMARY

REF NO.	SHEET NO.	STATION TO STATION			SIDE	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	630 GROUND MOUNTED SUPPORT, NO. 2 POST FT	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 SIGN, FLAT SHEET SF	630 SIGN, FLAT SHEET, AS PER PLAN SF	646 EDGE LINE, 6" MILE	646 CENTER LINE (PASS PROTECTED, YELLOW) MILE	646 CENTER LINE(DOUBLE YELLOW) MILE	646 CHANNELIZING LINE, 8" FT	646 STOP LINE FT	646 SCHOOL SYMBOL MARKING, 96" EACH	646 LANE ARROW EACH
EL-1	P.42	1313+15.00	TO	1317+59.00	RT							0.084						
EL-2	P.42	1317+59.00	TO	1318+71.00	RT							0.021						
EL-3	P.42	1318+71.00	TO	1323+65.00	RT							0.094						
EL-4	P.42	1313+19.00	TO	1317+64.00	LT							0.084						
EL-5	P.42	1317+64.00	TO	1318+77.00	LT							0.021						
EL-6	P.42	1318+75.00	TO	1323+65.00	LT							0.093						
CL-1	P.42	1313+19.00	TO	1314+82.00	CL-RT									0.031				
CL-2	P.42	1313+77.00	TO	1314+82.00	RT/LT									0.02				
CLP-1	P.42	1314+82.00	TO	1317+61.00	CL-RT								0.053					
CLP-2	P.42	1317+61.00	TO	1318+73.00	CL-RT								0.021					
CLP-3	P.42	1318+73.00	TO	1323+65.00	CL-RT								0.093					
CLP-4	P.42	1314+82.00	TO	1317+62.00	CL-LT								0.053					
CLP-5	P.42	1317+62.00	TO	1318+75.00	CL-LT								0.021					
CLP-6	P.42	1318+75.00	TO	1323+65.00	CL-LT								0.093					
SL-1	P.42	1313+19.00			RT/LT											22.6		
CH-1	P.42	1313+19.00	TO	1313+77.00											58			
SM-1	P.42	1314+23.00			CL												1	
LA-1	P.42	1313+34.00			CL													2
LA-2	P.42	1316+50.00			CL													2
LA-3	P.42	1323+00.00			CL													2
R-1	P.42	1317+93.20			RT	2	1											
S-1	P.42	1315+04.00			LT				13.25	6								
S-2	P.42	1315+04.00			RT				13.25	6								
S-3	P.42	1317+50.00			RT			9.67			1							
S-4	P.42	1318+86.00			LT			9.67			1							
S-5	P.42	1323+64.00			RT				13.25	6								
S-6	P.42	1323+64.00			LT				13.25	6								
SUBSUMMARY						2	1	19.34	53	24	2	0.397	0.334	0.051	58	22.6	1	6
TOTALS CARRIED TO GENERAL SUMMARY						2	1	20	53	24	2	0.40	0.34	0.06	58	23	1	6

DESIGN AGENCY
fishbeck

DESIGNER
AJV

REVIEWER
BSM 11/21/24

PROJECT ID
108039

SHEET P.31 | TOTAL 81

LOR-20-24.97

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