

**UTILITIES**

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

DUKE ELECTRIC - DISTRIBUTION  
2010 DANA AVENUE  
CINCINNATI, OHIO 45207  
513-458-3856  
ATTN: AARON WRIGHT

DUKE GAS  
139 EAST 4TH STREET, ROOM 460A  
CINCINNATI, OHIO 45202  
513-287-2532  
ATTN: DENISE GROSS

CINCINNATI BELL TELEPHONE - UNDERGROUND  
221 EAST 4TH STREET, BLDG. 121-900  
CINCINNATI, OHIO 45201  
513-566-3154  
ATTN: DERRICK BROWN

CINCINNATI BELL TELEPHONE - AERIAL  
209 WEST 7TH STREET, BLDG. 121-900  
CINCINNATI, OHIO 45202  
513-565-6014  
ATTN: ROBERT STROCHINSKY

CHARTER COMMUNICATIONS  
10920 KENWOOD ROAD  
BLUE ASH, OHIO 45242  
513-386-5499  
ATTN: KENT RIEGER

GREATER CINCINNATI WATER WORKS  
4747 SPRING GROVE AVENUE  
CINCINNATI, OHIO 45232  
513-591-5056  
ATTN: JON HUNSEDER

SOUTHWESTERN OHIO WATER  
600 SHEPARD AVENUE, SUITE 1  
CINCINNATI, OHIO 45215  
513-489-4844  
ATTN: MICHAEL FLAVIN

VILLAGE OF LINCOLN HEIGHTS  
1201 STEFFEN AVENUE  
LINCOLN HEIGHTS, OHIO 45215  
513-733-5900, EXT. 1  
ATTN: ANTHONY DUKES, VILLAGE MANAGER

METROPOLITAN SEWER DISTRICT  
1600 GEST STREET  
CINCINNATI, OHIO 45204  
513-557-7188  
ATTN: ROB FRANKLIN

METROPOLITAN COMMUNICATIONS GROUP (MCG)  
155 COMMERCE PARK DRIVE, SUITE #1  
WESTERVILLE, OHIO 43082  
614-392-2873  
ATTN: CHAD HARKNESS

THAYER POWER AND COMMUNICATION LINE  
CONSTRUCTION COMPANY, LLC  
950 FREEWAY DRIVE N.  
COLUMBUS, OHIO 43229  
614-379-6419  
ATTN: CHRIS McCLOSKEY

**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 10 PM AND 8 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.

**SURVEYING PARAMETERS**

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS  
MONUMENT TYPE: B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88  
GEOID: GEOID12 (CONUS)

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(CORS96)  
ELLIPSOID: GRS80  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLANE SOUTH  
COMBINED SCALE FACTOR: 0.9997130636  
ORIGIN OF COORDINATE SYSTEM: 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 SUPPLEMENTAL SPECIFICATION 823.  
CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY UNITS ARE IN U.S. SURVEY FEET.

**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.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:  
ITEM 659, TOPSOIL 47 CY  
ITEM 659, COMMERCIAL FERTILIZER 0.1 TON  
ITEM 659, LIME 0.1 ACRES  
ITEM 659, WATER 2 MGAL  
ITEM 659, SEEDING AND MULCHING, CLASS 1 426 SY

**ADA WAIVER**

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

**ADA DESIGN WAIVER**

ADA FEATURE	APPROVAL DATE	SHEET NUMBERS
RMP0006362	10/06/2020	16,28
RMP0006363	10/06/2020	16,28
RMP0006364	10/06/2020	16,28
RMP0006365	10/06/2020	16,28
RMP0006366	10/06/2020	14,26
RMP0006367	10/06/2020	14,26
RMP0006368	10/06/2020	14,26
RMP0006369	10/06/2020	15,27
RMP0006370	10/06/2020	12-13,25
RMP0006371	10/06/2020	12-13,25
RMP0006372	10/06/2020	12-13,25

**CONSTRUCTION LIMITS**

THE CONTRACTOR SHALL RESTRICT ALL OF HIS ACTIVITIES, EQUIPMENT STORAGE AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE ACTUAL CONSTRUCTION LIMITS ARE SHOWN ON THE PLANS OR THE EXISTING OR PROPOSED R/W, WHICHEVER IS NEAREST. SHOULD THE CONTRACTOR WISH TO USE ANY AREA OUTSIDE THESE LIMITS, HE MUST SUBMIT HIS REQUEST IN WRITING TO THE ENGINEER. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA THAT THE CONTRACTOR PLANS TO USE AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. THE ENGINEER SHALL APPROVE THE REQUEST IN WRITING BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA. PRIOR TO THE BEGINNING OF WORK, THE REPRESENTATIVE OF THE MAINTAINING AGENCY SHALL REVIEW AND RECORD ALL ADJACENT SITES WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF THE ADJACENT SITES WILL BE MADE. ANY AREAS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, IN KIND OR AS DIRECTED BY THE ENGINEER.

**CLEARING AND GRUBBING**

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
48"	1	0	1

**ROADWAY, MISC.: RELOCATE CONCRETE BLOCKS**

THE CONTRACTOR SHALL MOVE EXISTING CONCRETE BLOCKS TO THE BACK SIDE OF THE PROPOSED SIDEWALK.

**ITEM SPECIAL - GAS VALVE BOX, ADJUSTED TO GRADE**

THIS WORK CONSISTS OF ADJUSTING THE GAS VALVE BOXES TO GRADE AS DESIGNATED IN THE PLANS.

PAYMENT OF ALL LABOR AND MATERIALS SHALL BE INCLUDED IN ITEM SPECIAL - GAS VALVE BOX, ADJUSTED TO GRADE.

**REMOVAL OF GROUND MOUNTED SIGN AND DELIVER, AS PER PLAN**

CONTRACTOR SHALL REMOVE EXISTING SIGNS AND DELIVER TO THE VILLAGE OF LINCOLN HEIGHTS SERVICE DEPARTMENT.

**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.

**UTILITIES**

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.

**ITEM SPECIAL STRUCTURES: CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION**

ALL CONCRETE SHALL BE TESTED. ALL TESTING, INSPECTION AND QUALITY CONTROL FOR CONCRETE, NOT INCLUDED UNDER QC/QA PAY ITEMS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A CONCRETE TESTING CONSULTANT WITH PREVIOUS EXPERIENCE AND FAMILIARITY IN ODOT PROCEDURES, CONCRETE TESTING REQUIREMENTS AND CONCRETE TESTING DOCUMENTATION. AT LEAST 30 DAYS PRIOR TO CONCRETE PLACEMENT, SUBMIT TO THE ENGINEER FOR APPROVAL, THE PROPOSED CONCRETE TESTING CONSULTANT ALONG WITH THE RESUMES OF THE PROPOSED TESTING PERSONNEL.

TESTING CONCRETE FOR STRUCTURES AND PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE PERFORMED AS OUTLINED IN CONSTRUCTION AND MATERIAL SPECIFICATIONS 455.

THROUGH THE CONTRACTOR, THE CONSULTANT SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONCRETE PLACED IS IN ACCORDANCE WITH THE SPECIFICATIONS. SUCH WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE ODOT CONSTRUCTION INSPECTION MANUAL OF PROCEDURES FOR CONCRETE. THE CONCRETE CONSULTANT SHALL PROVIDE THE NECESSARY TRAINED TECHNICIAN(S) AND EQUIPMENT AND SHALL FURNISH THE PROJECT ENGINEER WITH TWO (2) COPIES OF ALL TEST RESULTS WITHIN 24 HOURS AFTER COMPLETION OF CONCRETE PLACEMENT.

THE TECHNICIANS SHALL BE ACI LEVEL 1 CERTIFIED AND WILL BE REQUIRED TO DEMONSTRATE HIS/HER COMPETENCE AND EXPERIENCE LEVELS TO THE ENGINEER PRIOR TO BEGINNING WORK. THE ENGINEER WILL ORDER THE CONTRACTOR TO REPLACE ANY TECHNICIAN THAT IS NOT VERSED IN THE REQUIRED TESTING PROCEDURE.

THE TECHNICIAN SHALL VERBALLY NOTIFY THE ODOT PROJECT ENGINEER OF ANY FAILING TESTS AND SHALL SUBMIT FOLLOW-UP WRITTEN NOTIFICATION TO THE PROJECT ENGINEER OF REMEDIAL ACTION(S) TAKEN. TESTS SHALL BE TAKEN AS SPECIFIED WITHIN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, CONCRETE MANUAL OR APPROPRIATE SUPPLEMENTAL SPECIFICATION AS LISTED IN THE PROPOSAL GOVERNING THE PROJECT. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAKE IMMEDIATE CORRECTIONS OR ADJUSTMENTS TO THE CONCRETE MIX VIA DIRECT COMMUNICATION WITH THE CONCRETE SUPPLIER'S PLANT PERSONNEL TO MAINTAIN UNINTERRUPTED COMPLIANCE WITH THE SPECIFICATIONS UPON NOTIFICATION OF CONCRETE MIX NON-COMPLIANCE BY THE CONSULTANT TECHNICIAN. THE PROJECT ENGINEER MAY REQUIRE MORE FREQUENT TESTING AS CONDITIONS WARRANT.

UPON COMPLETION OF DAILY CONCRETE PLACEMENT(S), THE CONCRETE CONSULTANT SHALL PROVIDE THE PROJECT ENGINEER WITH DAILY TEST REPORTS, TE-45'S, INSPECTORS DAILY REPORT AND SUPPORTING DOCUMENTATION FOR EACH ITEM OF CONCRETE WORK PERFORMED SEPARATED BY MIX DESIGN. SUBSEQUENTLY, UPON COMPLETION OF AN ENTIRE CONCRETE SPECIFICATION ITEM, THE CONCRETE CONSULTANT SHALL ALSO PROVIDE THE PROJECT ENGINEER WITH TWO (2) COPIES OF AN ADDITIONAL INSPECTION REPORT BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, WHICH CONTAINS THE TESTING RESULTS SUMMARY FOR EACH ITEM BY CONTRACT REFERENCE NUMBER AND THE CONSULTANT'S CONCLUSIONS RELATIVE TO SPECIFICATION COMPLIANCE FOR ALL CONCRETE TESTING WORK.

THE ODOT PROJECT ENGINEER RESERVES THE RIGHT TO MAKE UNANNOUNCED QUALITY-CONTROL TESTS TO VERIFY PROCEDURES USED AND RESULTS BEING OBTAINED BY THE CONTRACTOR. THE CONCRETE TECHNICIAN SHALL WORK UNDER THE DIRECTION OF A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, WHO WILL MONITOR THE CONCRETE TEST RESULTS. THE FINAL INSPECTION REPORTS FOR EACH COMPLETED ITEM SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, CERTIFYING THAT ALL CONCRETE TESTS PROVIDED BY THE CONTRACTOR MET APPLICABLE CONTRACT REQUIREMENTS. A FINAL REPORT ISSUED BY THE CONSULTING FIRM SHALL CONTAIN A CERTIFIED STATEMENT OF COMPLIANCE WITH ODOT SPECIFICATIONS AND ANY OTHER CONCLUSIONS REGARDING THE CONCRETE MATERIALS INCORPORATED INTO THE PROJECT. SUCH STATEMENT SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO. AND, THE CONCRETE CONSULTANT SHALL BE REQUIRED TO ATTEND MONTHLY PROGRESS MEETINGS AS REQUIRED BY THE PROJECT ENGINEER.

ADDITIONALLY, THE CONTRACTOR SHALL BE REQUIRED TO KEEP A POSTED LIST OF BEAM AND CYLINDER IDENTIFICATION NUMBERS FOR THE PURPOSE OF IDENTIFYING THE CORRESPONDING PLACEMENT LOCATION AND CONCRETE SPECIFICATION ITEM.

PAYMENT SHALL BE BID AS LUMP SUM FOR ITEM SPECIAL STRUCTURES: CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION. THE ITEM WILL BE PAID FOR AS FOLLOWS:

UPON APPROVAL OF CONSULTANT ..... 20%  
PROGRESSIVE EQUIVALENT PAYMENTS ..... 50%  
UPON SUBMISSION OF FINAL REPORT ..... 30%

THE TECHNICIAN SHALL HAVE THE FULL EFFECT AND AUTHORITY OF AN ODOT PROJECT INSPECTOR IN DETERMINING ACCEPTABILITY OF MATERIAL AND CONCRETE PLACEMENT PRACTICES.

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CALCULATED	SEC	CHECKED	MWN
GENERAL NOTES			
HAM LINCOLN HEIGHTS SRTS			
<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="font-size: 0.8em;">5</span>  <span style="font-size: 0.8em;">30</span> </div>			

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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	9	10	11	24								01/SAF/OT	EXT	TOTAL				
													LS	201	11000	LS		<b>ROADWAY</b>	
		717											717	202	23010	717	SY	CLEARING AND GRUBBING	
		2,220											2,220	202	30000	2,220	SF	PAVEMENT REMOVED, ASPHALT	
		585											585	202	32000	585	FT	WALK REMOVED	
													55	203	10000	55	CY	CURB REMOVED	
																		EXCAVATION	
		109											109	203	98300	109	FT	ROADWAY, MISC.: RELOCATE CONCRETE BLOCKS	5
		136											136	204	10000	136	SY	SUBGRADE COMPACTION	
	258	4,415											4,673	608	10000	4,673	SF	4" CONCRETE WALK	
		183											183	608	13000	183	SF	6" CONCRETE WALK	
		2,774	688										3,462	608	52001	3,462	SF	CURB RAMP, AS PER PLAN	4
	1												1	SPECIAL	69050560	1	EACH	BICYCLE RACK	6
	12,000												12,000	SPECIAL	69098000	12,000	EACH	MISC.: DUKE ENERGY LIGHTING	6
													LS	SPECIAL	69098400	LS		STRUCTURES: CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	5
																		<b>EROSION CONTROL</b>	
51													51	659	00300	51	CY	TOPSOIL	
462													462	659	00500	462	SY	SEEDING AND MULCHING, CLASS 1	
0.1													0.1	659	20000	0.1	TON	COMMERCIAL FERTILIZER	
0.1													0.1	659	31000	0.1	ACRE	LIME	
3													3	659	35000	3	MGAL	WATER	
													5,000	832	30000	5,000	EACH	EROSION CONTROL	
																		<b>PAVEMENT</b>	
			30										30	253	01000	30	SY	PAVEMENT REPAIR	
			577										577	254	01000	577	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
		13											13	301	46000	13	CY	ASPHALT CONCRETE BASE, PG64-22	
		9											9	304	20000	9	CY	AGGREGATE BASE	
		8	52										60	407	20000	60	GAL	NON-TRACKING TACK COAT	
		5	24										29	441	50000	29	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
		27											27	452	10010	27	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
		218											218	609	18000	218	FT	COMBINATION CURB AND GUTTER, TYPE 3	
																		<b>WATER WORK</b>	
				1									1	638	10800	1	EACH	VALVE BOX ADJUSTED TO GRADE	
				1									1	638	10900	1	EACH	SERVICE BOX ADJUSTED TO GRADE	
																		<b>OTHER UTILITIES</b>	
					1								1	SPECIAL	61199700	1	EACH	GAS VALVE BOX ADJUSTED TO GRADE	5
																		<b>TRAFFIC CONTROL</b>	
				228									228	630	03100	228	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
				26									26	630	08520	26	FT	STREET NAME SIGN SUPPORT, NO. 3 POST	
				15									15	630	08600	15	EACH	SIGN POST REFLECTOR	
				114									114	630	80100	114	SF	SIGN, FLAT SHEET	
				2									2	630	80500	2	EACH	SIGN, DOUBLE FACED, STREET NAME	
													19	630	84900	19	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
				5									5	630	85100	5	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
				5									5	630	85201	5	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY, AS PER PLAN	5
				20									20	630	86002	20	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
				4									4	631	93241	4	EACH	SCHOOL SPEED LIMIT SIGN ASSEMBLY, SOLAR-POWERED, AS PER PLAN	6
													157	644	00500	157	FT	STOP LINE, 24"	
				720									720	644	00600	720	FT	CROSSWALK LINE, 24"	
				4									4	644	01100	4	EACH	SCHOOL SYMBOL MARKING, 72"	
				533									533	644	30000	533	FT	REMOVAL OF PAVEMENT MARKING	
				3									3	644	30020	3	EACH	REMOVAL OF PAVEMENT MARKING	
																		<b>TRAFFIC SIGNALS</b>	
				4									4	625	32000	4	EACH	GROUND ROD	
				4									4	632	64020	4	EACH	PEDESTAL FOUNDATION	
																		<b>INCIDENTALS</b>	
													1	614	11000	LS		MAINTAINING TRAFFIC	
													1	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													1	624	10000	LS		MOBILIZATION	

**GENERAL SUMMARY**

**HAM LINCOLN HEIGHTS SRTS**