

**ROUNDING**

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

**UNDERGROUND UTILITIES**

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE DATA. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THEM IN THE FIELD PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM. CONTRACTOR TO CONTACT OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION.

NON-MEMBERS MUST BE CALLED DIRECTLY.

**UTILITIES**

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

CINCINNATI BELL - TELEPHONE (AERIAL)  
209 WEST 7TH STREET, BUILDING 121-900  
CINCINNATI, OH 45202  
513-565-6014 (ROB STROCHINSKY)  
robert.strochinsky@cinbell.com  
roadprojects@cinbell.com

CHARTER COMMUNICATIONS, FKA SPECTRUM - CABLEVISION (AERIAL)  
10920 KENWOOD ROAD  
BLUE ASH, OHIO 45242  
DL-Southern-Ohio-Outside-Plant@charter.com  
(513) 386-5483 (JIM O'REILLY)  
jim.oreilly@charter.com

DUKE ENERGY - ELECTRIC (DISTRIBUTION)  
2010 DANA AVENUE  
CINCINNATI, OH 45207  
(513) 508-9609 (SHANE ERHART)  
Shane.Erhart@duke-energy.com

DUKE ENERGY - GAS  
139 E. FOURTH STREET, ROOM 460A  
CINCINNATI, OH 45202  
(513) 906-0130 (JESSE ORTH)  
Jesse.Orth@duke-energy.com  
OH/KYHousebill@duke-energy.com

DUKE ELECTRIC (TRANSMISSION)  
139 EAST 4TH STREET, ROOM 552A  
CINCINNATI, OHIO 45202  
513-287-1266 (TIM MEYER)  
Tim.Meyer@duke-energy.com

GREATER CINCINNATI WATER WORKS  
4747 SPRING GROVE AVE.  
CINCINNATI, OH 45232  
513-591-6581 (MICHAEL COSSINS)  
Michael.Cossins@gcww.cincinnati-oh.gov

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI  
1600 GEST ST.  
CINCINNATI, OH 45204  
513-244-1369 (ALICE OLIVER)  
MSDUtilityReview@cincinnati-oh.gov

CINCINNATI STORMWATER MANAGEMENT UTILITY  
4747 SPRING GROVE AVENUE  
CINCINNATI, OHIO 45232  
513-591-7783 (NICK CHRISTOPFEL)  
SmuPlanReview@cincinnati-oh.gov

CITY OF MADERA PUBLIC WORKS  
7141 MIAMI AVENUE  
MADEIRA, OH 45243  
(513) 561-7228 (TOM MOELLER)  
tmoeller@madeiracity.com

HAMILTON COUNTY PLANNING AND DEVELOPMENT  
138 EAST COURT STREET, ROOM 800  
CINCINNATI, OH 45202  
513-946-4757 (MOHAMMAD ISLAM)  
Mohammad.Islam@hamilton-co.org

SYCAMORE TOWNSHIP  
8540 KENWOOD ROAD  
SYCAMORE TOWNSHIP, OHIO 45236  
513-792-7277 (RAY WARRICK)  
rwarrick@sycamoretownship.org

HAMILTON COUNTY ENGINEER'S OFFICE  
700 COUNTY ADMINISTRATION BUILDING  
138 EAST COURT STREET  
CINCINNATI, OHIO 45202-1232  
513-946-4250 (ERIC BECK)  
Eric.Beck@hamilton-co.org  
Jacob.Verst@hamilton-co.org, Todd.Long@hamilton-co.org

LUMEN  
9490 MERIDIAN WAY  
WEST CHESTER, OHIO 45069  
513-644-8943 (BRUCE MILLER)  
Bruce.Miller@lumen.com  
relocations@lumen.com

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.

**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: NAVD88  
GEOID: 12A

**HORIZONTAL POSITIONING**

REFERENCE FRAME: NAD83 (2011)  
ELLIPSOID: GRS80  
MAP PROJECTION: LAMBERT CONIC 2 PARALLEL  
COORDINATE SYSTEM: OHIO STATE PLANE SOUTH ZONE  
COMBINED SCALE FACTOR: 0.999908081  
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 CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

**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 204 - PROOF ROLLING**

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET NO. P.07 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 2 HOUR.

**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
18"	22	2	24

**CONSTRUCTION NOISE**

THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL NOISE ORDINANCES.

**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	124 CU. YD.
659, SEEDING AND MULCHING	1116 SQ. YD.
659, REPAIR SEEDING AND MULCHING	56 SQ. YD.
659, INTER-SEEDING	56 SQ. YD.
659, COMMERCIAL FERTILIZER	0.16 TON
659, LIME	0.23 ACRES
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. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

**MONUMENT ASSEMBLIES**

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. P.50.

**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 611, 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	30 FT.
ITEM 605, 6" UNCLASSIFIED PIPE UNDERDRAINS	50 FT.

**ITEM 451 - 7" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN, STAMPED**

THIS ITEM INCLUDES MATERIAL AND LABOR TO PLACE, STAMP, AND FINISH THE REQUIRED CONCRETE FOR THE SPLITTER ISLANDS. THE CONCRETE SURFACE SHALL BE STAMPED IN A "COBBLESTONE" STYLE PATTERN. THE CONTRACTOR SHALL PROVIDE A SAMPLE SECTION TO THE ENGINEER PRIOR FOR APPROVAL BEFORE COMPLETING THE WORK.

**ITEM 451 - 9" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN, STAMPED**

THIS ITEM INCLUDES MATERIAL AND LABOR TO PLACE, STAMP, AND FINISH THE REQUIRED CONCRETE FOR THE ROUNDABOUT CENTRAL ISLAND. THE CONCRETE SURFACE SHALL BE STAMPED IN A "COBBLESTONE" STYLE PATTERN. THE CONTRACTOR SHALL PROVIDE A SAMPLE SECTION TO THE ENGINEER PRIOR FOR APPROVAL BEFORE COMPLETING THE WORK.

**632 REMOVAL OF TRAFFIC SIGNAL INSTALLATION**

TRAFFIC SIGNAL INSTALLATIONS, INCLUDING SIGNAL HEADS, CABLE, MESSENGER WIRE, CABINET, CONTROLLER, ETC., SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS. REMOVED ITEMS SHALL BE STORED ON THE PROJECT FOR SALVAGE BY THE CITY OF MADEIRA IN ACCORDANCE WITH THE LISTING GIVEN HEREIN.

ITEMS TO BE STORED:  
CONTROLLER CABINET, CONTROLLER, SIGNAL HEADS

REMOVED ITEMS SHALL BE DELIVERED TO THE ADDRESS IS LISTED BELOW:

CITY OF MADEIRA, ATTN: THOMAS W. MOELLER (513) 561-7228  
7141 MIAMI AVENUE  
MADEIRA, OH 45243

ITEMS TO BE DISPOSED OF:  
MESSENGER WIRE, CABLES, AND SIGNAGE

IN THE EVENT THE ITEMS STORED ON THE PROJECT FOR SALVAGE BY THE LOCAL AGENCY ARE NOT REMOVED, THE CONTRACTOR SHALL, WHEN DIRECTED BY THE ENGINEER IN WRITING, REMOVE AND DISPOSE OF THE ITEMS AT NO ADDITIONAL COST TO THE PROJECT.

**WATER WORK, MISC.: GCWW RELOCATION**

THIS LUMP SUM ITEM INCLUDES ALL THE ITEMS FROM THE "SUGGESTED BILL OF MATERIAL" SECTION OF THE WATER LINE RELOCATION PLAN SET PREPARED BY GREATER CINCINNATI WATER WORKS TITLED "EAST GALBRAITH @ MIAMI ROUNDABOUT STIMP (HAM-CR 101-13.63)"