

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER, OR ADJACENT TO, THE WORK AREA.

LISTED BELOW ARE UTILITY OWNERS IN THE VICINITY OF THE PROJECT:

COMMUNICATION:
CINCINNATI BELL TELEPHONE
TIM SEESTEDT
221 E. FOURTH ST BLDG 121-900
CINCINNATI, OH 45201
513-565-7163
tim.seestedt@cinbell.com

ELECTRIC:
DUKE ENERGY ELECTRIC
AMANDA BENEDETTI
DUKE ENERGY ELCTRIC RECORDS
2010 DANA AVE, EF324
CINCINNATI, OH 45207
513-287-2366
amanda.benedetti@duke-energy.com

WATER:
GREATER CINCINNATI WATER WORKS
KYLE BUCKLEY
4747 SPRING ROVE AVE
CINCINNATI, OH 45232
513-591-7874
kyle.buckley@gcww.cincinnati-oh.gov

SEWER:
CINCINNATI METROPOLITAN SEWER DISTRICT
ROB FRANKLIN
1600 GEST ST
CINCINNATI, OH 45232513-557-7188
robfranklin@cincinnati-oh.gov

GAS:
DUKE ENERGY GAS
MARK BRANSCUM OR DENISE GROSS
DUKE ENERGY GAS RECORDS
139 E. FOURTH ST, ROOM 460A
CINCINNATI, OH 45202
513-287-2366
mark.branscum@duke-energy.com

CONFORMITY TO EXISTING CONDITIONS

THE TYPICAL SECTIONS ON SHEET NO. 3 ARE A GENERAL REPRESENTATION OF THE EXISTING CONCRETE SLOPE PROTECTION. THE REMOVAL OF EXISTING CONCRETE SLOPE PROTECTION AND PROPOSED MATERIAL PLACEMENT SHALL MATCH THE ACTUAL EXISTING CONDITIONS AS CLOSELY AS POSSIBLE.

CONSTRUCTION NOISE

ACTIVITIES AND LANE USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. THE CONTRACTOR WILL COMPLY WITH ANY LOCAL NOISE ORDINANCES. 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

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: 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE - SOUTH ZONE
COMBINED SCALE FACTOR: 1.00008022
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.
PROJECT COORDINATES ARE GRID COORDINATES

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.

CLEARING AND GRUBBING

THE TREES HAVE ALREADY BEEN CUT DOWN BUT THE TREES STILL REMAIN ON SITE. THE STUMPS AND FELLED TREES NEED REMOVED WITHIN THE LIMITS OF THE PROJECT. A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR THESE REMOVALS. 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.

ITEM 607 - FENCE REMOVED AND REBUILT, AS PER PLAN

COORDINATE THE FENCE REMOVAL AND RECONSTRUCTION WITH THE PROPERTY OWNER. CAREFULLY REMOVE A SUFFICIENT LENGTH OF THE EXISTING FENCE AND POSTS TO ACCOMMODATE THE WORK. DISPOSE OF ALL MATERIALS ACCORDING TO 202.02. CONSTRUCT NEW FENCE, TYPE CLT, AT THE PROPERTY LINE IN ACCORDANCE WITH SCD F-1.1 AND CMS 607. THE HEIGHT OF THE NEW CLT FENCE SHALL MATCH THE EXISTING HEIGHT. SECURELY RECONNECT TO THE EXISTING FENCE TO REMAIN.

THE UNIT COST BID FOR THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETELY REMOVE AND REBUILD THE FENCE IN PLACE.

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.

SEEDING

EXISTING GRASSED AREA AND ANY DISTURBED AREA WITHIN THE TWO ACQUIRED PROPERTIES ARE TO BE SEEDED WITH SEED MIX TYPE CLASS 5B. ALL EXPOSED AREAS WITHIN CONSTRUCTION LIMITS ON THE REMAINING PROPERTIES ARE TO BE SEEDED WITH SEED MIX TYPE CLASS 1. THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS.

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	810 CU. YD.
659, SEEDING AND MULCHING CLASS 1	1238 SQ. YD.
659, SEEDING AND MULCHING CLASS 5B	6053 SQ. YD.
659, REPAIR SEEDING AND MULCHING	365 SQ. YD.
659, INTER - SEEDING	365 SQ. YD.
659, COMMERCIAL FERTILIZER	1.02 TON
659, LIME	1.51 ACRES
659, WATER	40 M. GAL.

NATIVE GRASSES/WILDFLOWERS

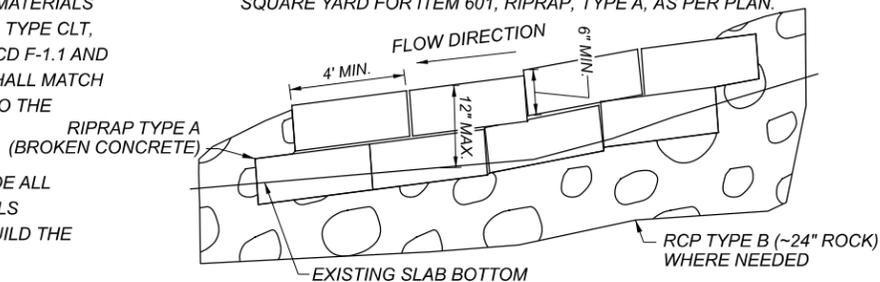
FOR PARCELS 1 & 2, NATIVE GRASSES AND WILDFLOWERS (659.09 CLASS 5B) SHALL BE USED FOR RESEEDING.

ITEM 202 - CONCRETE SLOPE PROTECTION REMOVED, AS PER PLAN

REMOVE EXISTING CONCRETE SLOPE PROTECTION ALONG THE NORTH BANK OF TAYLOR CREEK WITHIN THE RANGES SHOWN ON THE PLANS INCLUDING THE LARGE CONCRETE SLABS WHICH HAVE FAILED AND ARE LYING IN THE STREAM. EXISTING BROKEN CONCRETE IS TO BE USED AS MATERIAL FOR ITEM 601, RIPRAP, TYPE A, AS PER PLAN. THE IN-STREAM SLABS MUST BE REMOVED FROM THE STREAM. THE SLABS CAN BE BROKEN TO BE USED AS MATERIAL WHEREVER ITEM 601 RIPRAP, TYPE A, AS PER PLAN IS CALLED OUT IN THE PLANS. VEHICLES ARE PROHIBITED FROM ENTERING THE STREAM TO ACCOMPLISH THIS WORK. EXISTING SLOPE PROTECTION REBAR SHALL BE REMOVED PER SCD 703.19.

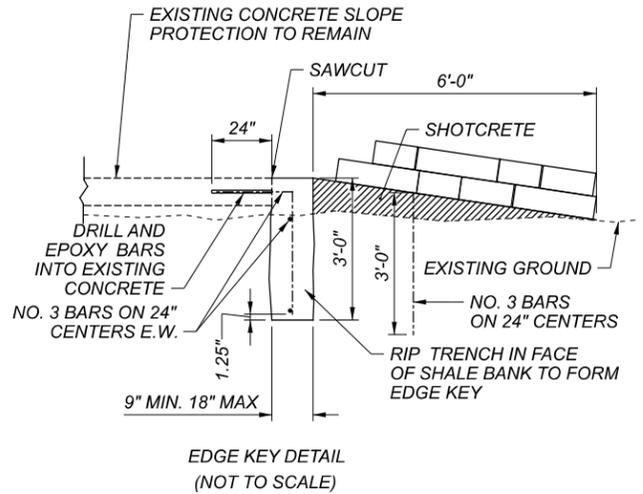
ITEM 601, RIPRAP, TYPE A, AS PER PLAN

INSTALL THE RIPRAP TYPE A, PER DETAILS SHOWN ON THE PLANS, CROSS SECTIONS AND FOLLOWING CMS 601.04.A. USE BROKEN CONCRETE FROM THE EXISTING SLAB. ENSURE THAT INDIVIDUAL PIECES ARE ROUGHLY RECTANGULAR IN CROSS-SECTION WITH A MINIMUM AREA OF 2 FT. X 4 FT. AND A MINIMUM THICKNESS OF 6 INCHES. USE 24" RCP, TYPE B PER 601.09 FOR MATERIAL NEEDED IN ADDITION TO THE BROKEN CONCRETE SLABS. INSTALL THE RIPRAP, TYPE A, AND RCP, TYPE B PER DETAILS SHOWN BELOW AND IN LOCATIONS SHOWN ON THE CROSS SECTION SHEETS. ENSURE THAT THE THICKNESS OF THE RIPRAP, MEASURED PERPENDICULAR TO THE SLOPE, IS NOT LESS THAN 24 INCHES. THE RIP RAPRAP AND RCP IS TO EXTEND NO MORE THAN 12" ABOVE THE EXISTING BOTTOM OF CONCRETE SLAB. PAYMENT FOR THE ABOVE WILL BE AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR ITEM 601, RIPRAP, TYPE A, AS PER PLAN.



ITEM 602, CONCRETE MASONRY, AS PER PLAN

CONSTRUCT EDGE KEYS AT THE EXPOSED EDGES OF THE EXISTING CONCRETE SLOPE PROTECTION TO REMAIN IN PLACE, PER DETAILS SHOWN BELOW. PAYMENT FOR THE ABOVE WILL BE AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR ITEM 602, CONCRETE MASONRY, AS PER PLAN AND IS CONSIDERED FULL COMPENSATION FOR CONSTRUCTION OF THE EDGE KEYS.



THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR CONSTRUCTION OF THE EDGE KEY AT THE UPSTREAM END OF THE EXISTING CONCRETE SLOPE PROTECTION TO REMAIN IN PLACE.

ITEM 602 CONCRETE MASONRY, AS PER PLAN 3 CY

DRAINAGE DISCHARGE CONTINUANCE

FURNISH A DRAINAGE DISCHARGE CONTINUANCE FOR ANY DRAINAGE DISCHARGE DISTURBED BY THE WORK AND NOT SHOWN IN THE PLANS. THE LOCATION, TYPE, SIZE AND GRADE OF THE DRAINAGE DISCHARGE CONTINUANCE WILL BE AGREED TO BY THE ENGINEER.

CONDUIT MATERIAL TYPES
THE FOLLOWING CONDUIT MATERIAL TYPES ARE PERMITTED:
707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, AND 707.52 SDR35.

PAY ITEMS
EACH OF THE PAY ITEMS LISTED BELOW FOR CONDUIT MISCELLANEOUS TYPES B, C, E AND F FOR DRAINAGE DISCHARGE CONTINUANCE INCLUDES CONDUIT SIZES 2 INCH TO 10 INCH. THERE IS NO COST DIFFERENTIATION FOR SIZE IN THESE PAY ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN MAKING THE ABOVE DRAINAGE DISCHARGE CONTINUANCE:

- ITEM 611, 100 FT. CONDUIT, MISC TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE
- ITEM 611, 100 FT. CONDUIT, MISC TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE
- ITEM 611, 100 FT. CONDUIT, MISC TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE
- ITEM 611, 100 FT. CONDUIT, MISC TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE
- ITEM 202, 100 FT. PIPE REMOVED, 24" AND UNDER