



GRAPHIC SCALE  
1" = 50'

THOMAS GRAHAM ASSOCIATES, INC.  
• Engineers  
• Surveyors

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Date: JAN. 27, 2017  
Scale: 1" = 50'  
Job No: 7625

No.	Date
ADDENDUM #1	02/08/17
BULLETIN #1	03/29/17
BULLETIN #2	08/02/17

VICINITY MAP

(NIC) INDICATES "NOT IN KROGER CONTRACT"

- UTILITY NOTES:
1. All materials and construction procedures shall be in accordance with the Construction and Material Specifications of the Ohio Department of Transportation, except as noted.
  2. Storm sewers shall be laid to line and grade as shown on the plans. Unless otherwise specified, private storm sewers shall be type "B" conduit with Class "B" bedding as per ODOT 603.04. Storm sewer pipe shall be ODOT 707.33 smooth lined corrugated polyethylene pipe with rubber gasket joints per ASTM F477 and 12" minimum cover. Sewer trenches beneath areas to be paved shall be backfilled to pavement subgrade elevation with granular material. Bedding shall be Class 1, as required in ASTM D2321, Latest Edition. Minimum bedding thickness shall be 6". Haunching and initial Backfill shall be Class 1 and installed as required in ASTM D2321, Latest Edition, for H20 loading provide 24" minimum cover. Unless otherwise noted, minimum depth is taken from the top of pipe to ground surface.
  3. Storm lines from downspouts to catch basins shall be PVC Pipe (heavy wall SDR 35) or equal.
  4. Catch Basins shall be built as shown on the plans. Heavy duty frame and grate shall be used in all paved areas.
  5. Aggregate base drainage for interior drained parking lots is required when full depth asphalt pavement section is not used. Drainage into catch basin inlets is to be provided by installing 10 foot lengths of 4 inch perforated pipe topped into inlet structures. Four such lengths are to be provided, one in each quadrant around the inlet. Pipe is to be laid on subgrade and covered with granular base materials.
  6. Sanitary building sewer laterals shall be PVC SDR 35 Clean outs in parking lots and drives to be set in concrete.
  7. Roof drains, foundation drains, cooling water, swimming pool water or other clean water connections to the sanitary sewer systems are prohibited.
  8. Water lines, meters and appurtenances shall be installed in accordance with specifications and regulations of Butler County Water and Sewer. Private water line shall be Ductile Iron (AWWA C-151), class 51 water pipe. All water mains shall be polywrapped. Fire hydrants are to be located between 2 and 5 feet from the back of curb.
  9. Sewer, water main, and conduit trenches etc. shall be backfilled to subgrade elevation, thoroughly graded and compacted prior to surfacing.
  10. Appropriate utility companies shall be notified at least 48 hours prior to breaking ground for the purpose of verifying by field inspection, the exact location of underground utilities.
  11. Item 614 - Maintaining Traffic. All pavement and/or right-of-way openings must conform to the current addition of the State of Ohio Department of Highway Construction and Material Specifications, with supplements or changes thereto. Also, the owner assumes all responsibilities and liabilities regarding strict adherence to applicable sections for the maintenance of traffic and public safety as set forth in the "Ohio Manual of Uniform Traffic Control Devices for Streets and Highways". All traffic control devices must be in place prior to starting construction.
  12. All trenches and ditches shall be excavated and maintained in a safe manner in accordance with the standards and regulations of the U.S. Occupational Safety and Health Administration.
  13. All utility lines, conduits, and cables are to be installed, at a minimum, within five (5) feet of a building's perimeter wall unless otherwise noted or shown. Except that the water line is to be extended into the building.
  14. Locations, dimensions, and elevations of utility tie-ins to building lines must be coordinated with the building's architect. The contractor is to coordinate all utility tie-ins with the architect, and Kroger Engineer.
  15. Domestic water supply system piping and installation shall conform to the latest edition on the National Plumbing Code, the standard requirements of the local water utility, and fire department requirements.
  16. Fire Protection System underground supply piping and fittings shall conform to the Standard Specifications of N.F.P.A. Pamphlet No. 24 and the local water utility or fire department requirements.
  17. Sanitary sewer piping and installation shall conform to the current "American Standard National Plumbing Code" in addition to the standard requirements of the local utility company.
  18. INTENTIONALLY DELETED.
  19. The site contractor must coordinate the timing and installation of all natural gas line with the general contractor(s) for the building(s) and make all necessary schedule arrangements for temporary or permanent gas lines per the project schedule.
  20. Natural gas supply system piping and installation shall conform to the N.G.A. and the local gas utility requirements. Unless otherwise specified, underground gas supply piping system shall be polyethylene plastic materials designated by ASTM on the pipe as PE2406, with trace wire (approved by local utility company).
  21. Electrical secondary cables and conduits are to be from the exterior primary transformer to the base of the building. The contractor is to coordinate with the building architect, electrician and provide a minimum ten feet (10') extra length of cables for final connection.
  22. Telephone conduit, as required by local telephone company, minimum one (2) 4" diameter, PVC conduit with (4) pull strings from the utility origin to the location of the building designated by the Kroger Engineer. In general, the conduit is terminated just inside the rear wall of the Kroger building where the phone board is indicated on the Kroger Future Plan.
  23. Street sign circuiting (as required) must be routed through underground heavy wall Schedule 40 PVC conduit systems, meeting NEMA Standard Publication No. 12-2 Type EPC-40-PVC. Conduit shall be sealed to prevent moisture penetration.
  24. All valves, manhole lids, cleanout covers or other utility lids shall be adjusted to be flush with the final grade per Butler County rules and regulations.

**SITE UTILITY PLAN**

KYLES STATION SUBDIVISION  
STATE RT. 4 & KYLES STATION ROAD  
SITUATED IN  
SECTION 10, TOWN 2, RANGE 3  
LIBERTY TOWNSHIP, BUTLER COUNTY, OHIO

UTILITY INSTALLATION TABLE

UTILITY	TYPICAL DEPTH
GAS	36"
WATER	48" (BUTLER COUNTY)
ELECTRIC	30"
TELEPHONE	30"
CABLE TV	30"

IF CONFLICT OCCURS BETWEEN UTILITIES SHOWN ABOVE AND THE GRAVITY SYSTEMS INCLUDING SANITARY AND STORM SEWERS, THE CONTRACTOR IS TO ADJUST THE UTILITIES LISTED ABOVE AS NEEDED.

- PROPOSED CONDITIONS LEGEND**
- ST - INDICATES STORM SEWER INSTALLED BY SITE CONTRACTOR
  - SS - INDICATES 6" SANITARY SEWER INSTALLED BY SITE CONTRACTOR
  - E - INDICATES NEW ELECTRIC LINES  
(2) 5" SCHEDULE 40 PVC CONDUITS (CONFORM WITH DUKE ENERGY)  
(2) 4" SCHEDULE 40 PVC CONDUITS W/ 24" x 36" PULLBOX EVERY 300 FEET (CONFORM WITH CINCINNATI BELL)  
PULLBOXES TO BE PLACED BY KROGER CONTRACTOR
  - G - INDICATES NEW 2" GAS SERVICE LINE (CONFORM WITH DUKE & MEP)
  - F - INDICATES NEW 8" FIRE LINE (CONFORM WITH MEP) (REFER TO SHEET C4.0 FOR THRUST BLOCK DETAIL)
  - D - INDICATES NEW 3" DOMESTIC WATER LINE (CONFORM W/ MEP) (PER KROGER STANDARDS)
  - W - INDICATES NEW 1" DOMESTIC WATER LINE FOR FUEL CENTER (PER KROGER STANDARDS)
  - COM - CONDUIT - INDICATES PROPOSED (2) 2" CONDUIT FOR FUEL CENTER COMMUNICATIONS (PER KROGER STANDARDS)
  - ELEC - CONDUIT - INDICATES PROPOSED (1) 4" CONDUIT FOR FUEL CENTER ELECTRIC (PER KROGER STANDARDS)
  - ED - INDICATES PROPOSED 4" EDGE DRAIN (REFER TO SHEET C4.0 FOR DETAIL)

- UTILITY & GOVERNING AGENCIES CONTACT LIST:**
- | SANITARY WATER & SEWER   | ELECTRIC  | GAS  |
|--|---|--|
| BUTLER COUNTY WATER AND SEWER<br>CONSTANCE KERNER<br>130 HIGH STREET<br>HAMILTON, OHIO 45011<br>513-785-5134<br>FAX 513-887-3777                         | DUKE ENERGY<br>JOE ZUERNER<br>583 TODD HUNTER ROAD<br>FAIRFIELD, OHIO 45014<br>513-287-4718                         | DUKE ENERGY<br>HEATHER STAMPER<br>583 TODD HUNTER ROAD<br>MONROE, OHIO 45050<br>513-287-4635 |
| STORM SEWERS<br>BUTLER COUNTY STORM WATER DISTRICT<br>TERESA BARNES<br>1931 FAIRGROVE AVENUE<br>HAMILTON, OHIO 45011<br>513-785-4121<br>FAX 513-887-5849 | TELEPHONE<br>CINCINNATI BELL<br>BILL SAWITZ<br>OFFICE 513-397-9848<br>CELL 513-388-1502<br>bill.sawitz@cincbell.com | FIRE DEPARTMENT  |

UNDERGROUND UTILITIES

Ohio Utilities Protection Service  
**Call 811**  
before you dig

NON-MEMBERS MUST BE CALLED DIRECTLY

- KEYNOTES**
1. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DETAILS OF UTILITY CONNECTIONS AT BUILDING.
  2. SEE ARCHITECTURAL PLANS FOR DETAILS OF DOWNSPOUT LOCATIONS, DOWNSPOUT CONNECTIONS, ETC.
  3. SEE SITE ELECTRICAL PLAN FOR DETAILS OF LIGHTS, POLES, AND BASES.
  4. TYPICAL FINISH AGGREGATE DRAINAGE FOR ALL CATCH BASINS. SEE AGGREGATE BASE DRAINAGE DETAILS ON SHEET C4.1.
  5. MULTIPLE CONDUITS FOR ELECTRIC AND TELEPHONE SERVICE. COORDINATE FINAL ELECTRIC, TELEPHONE, AND GAS SERVICES WITH SERVICE PROVIDER.
  6. INTENTIONALLY DELETED.
  7. REFER TO SHEETS 16 & 17 OF S.R. 4 PLANS FOR DETAILS OF STORM BASIN CONTROL STRUCTURES.
  8. SEE SITE ELECTRICAL PLAN FOR LOCATION & SIZE OF CONDUITS FOR COMMUNICATION & ELECTRICAL LINES ROUTING FROM THE KROGER BUILDING TO THE FUTURE FUEL CENTER, FUEL CENTER SIGN.
  9. MATCH LINE SHOWING GENERAL LIMITS OF WORK BETWEEN SITE CONTRACTOR AND FUEL CENTER CONTRACTOR. SEE PLANS BY SSOE FOR DETAILS OF THE KROGER FUEL CENTER. COORDINATE WITH KROGER. THE SITE CONTRACTOR IS RESPONSIBLE FOR ALL SITE DEVELOPMENT OUTSIDE THE MATCH LINE INCLUDING EARTHWORK, PAVING, PAVEMENT STRIPING, CURBS, LANDSCAPING AND UTILITIES. THE FUEL CENTER CONTRACTOR IS RESPONSIBLE FOR ALL WORK INSIDE THE MATCH LINE INCLUDING UTILITIES, CONCRETE SLABS, PADS, ETC. FOR THE FUEL CENTER, INCLUDING THE JUMPSTART PAD AND ENCLOSURE. THE KROGER CONTRACTOR SHALL COORDINATE CONSTRUCTION PHASING WITH THE FUEL CENTER CONTRACTOR TO AVOID CONFLICTS, DOUBLE WORK, ETC.
  10. CLEANOUTS ARE TO BE SPACED AT 100' MAXIMUM INTERVALS.
  11. MATCH LINE SHOWING GENERAL LIMITS OF WORK BETWEEN KROGER CONTRACTOR AND ROAD CONTRACTOR (SEPARATE CONTRACTS). SEE SEPARATE PLANS FOR DETAILS OF THE ROADWAY PLANS.
  12. REFER TO SITE ELECTRICAL PLAN BY KUH FOR DETAILS OF FLAG POLE BASE AND LIGHTING.
  13. UTILITIES TO BE INSTALLED BY FUEL CENTER CONTRACTOR. SEE FUEL CENTER PLANS FOR DETAILS. THE KROGER CONTRACTOR IS TO COORDINATE MATCH POINTS, PHASING, ETC. WITH THE FUEL CENTER CONTRACTOR.
  14. NEW TRANSFORMER AND PAD TO BE INSTALLED BY THE KROGER SITE CONTRACTOR. SEE FUEL CENTER PLANS BY SSOE AND SITE ELECTRICAL PLANS FOR DETAILS.
  15. NEW CONTROL MANHOLES ARE REQUIRED BY BUTLER COUNTY ON ALL SEWER LATERALS. SEE SHEET C4.2 FOR DETAIL. COORDINATE LOCATION WITH BUTLER COUNTY.