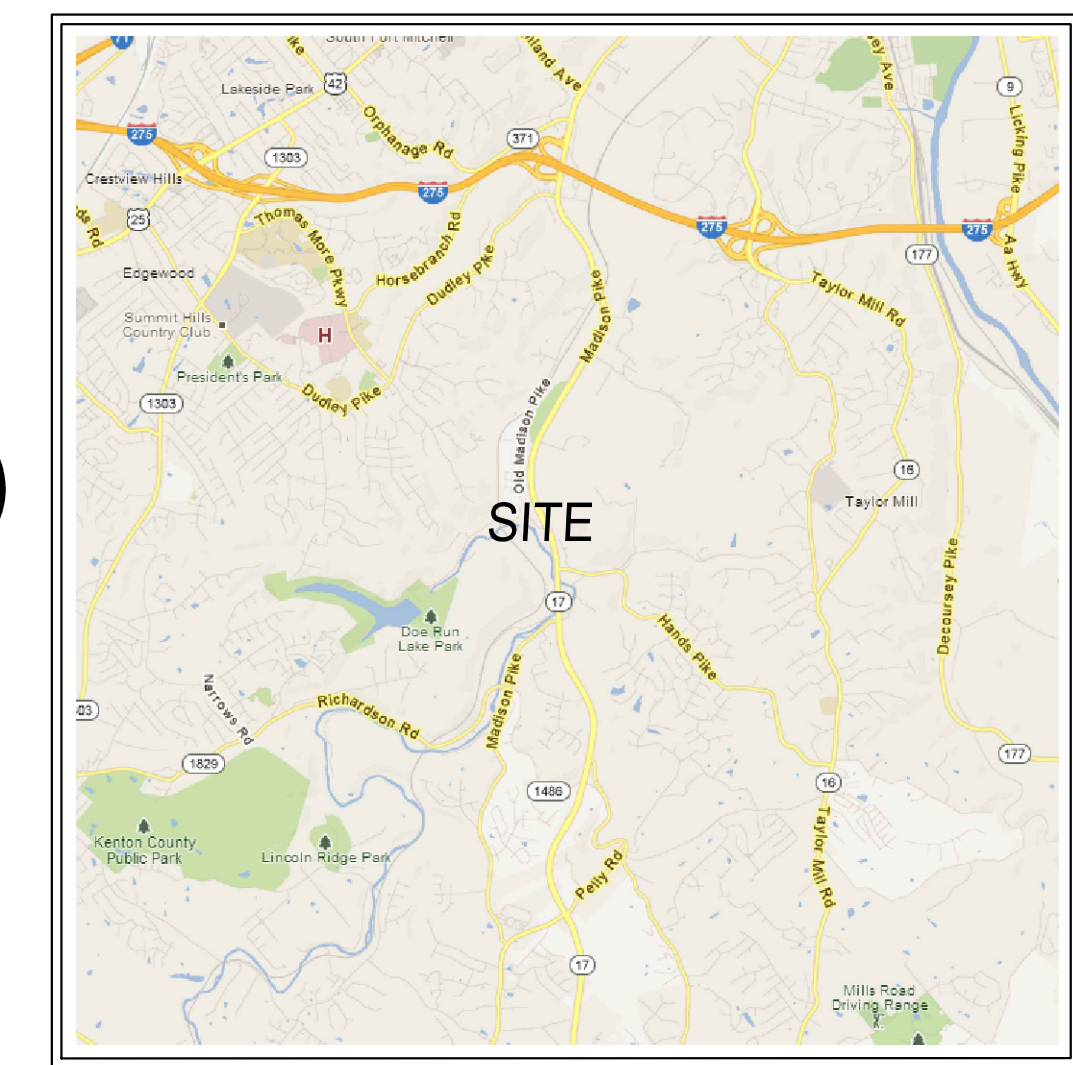


NKWD - MADISON PIKE MARY LAIDLEY to HANDS PIKE 24-INCH HYDRAULIC REDUNDANCY PROJECT (PHASE 1) COVINGTON, KENTON COUNTY, KENTUCKY SEPTEMBER 2015

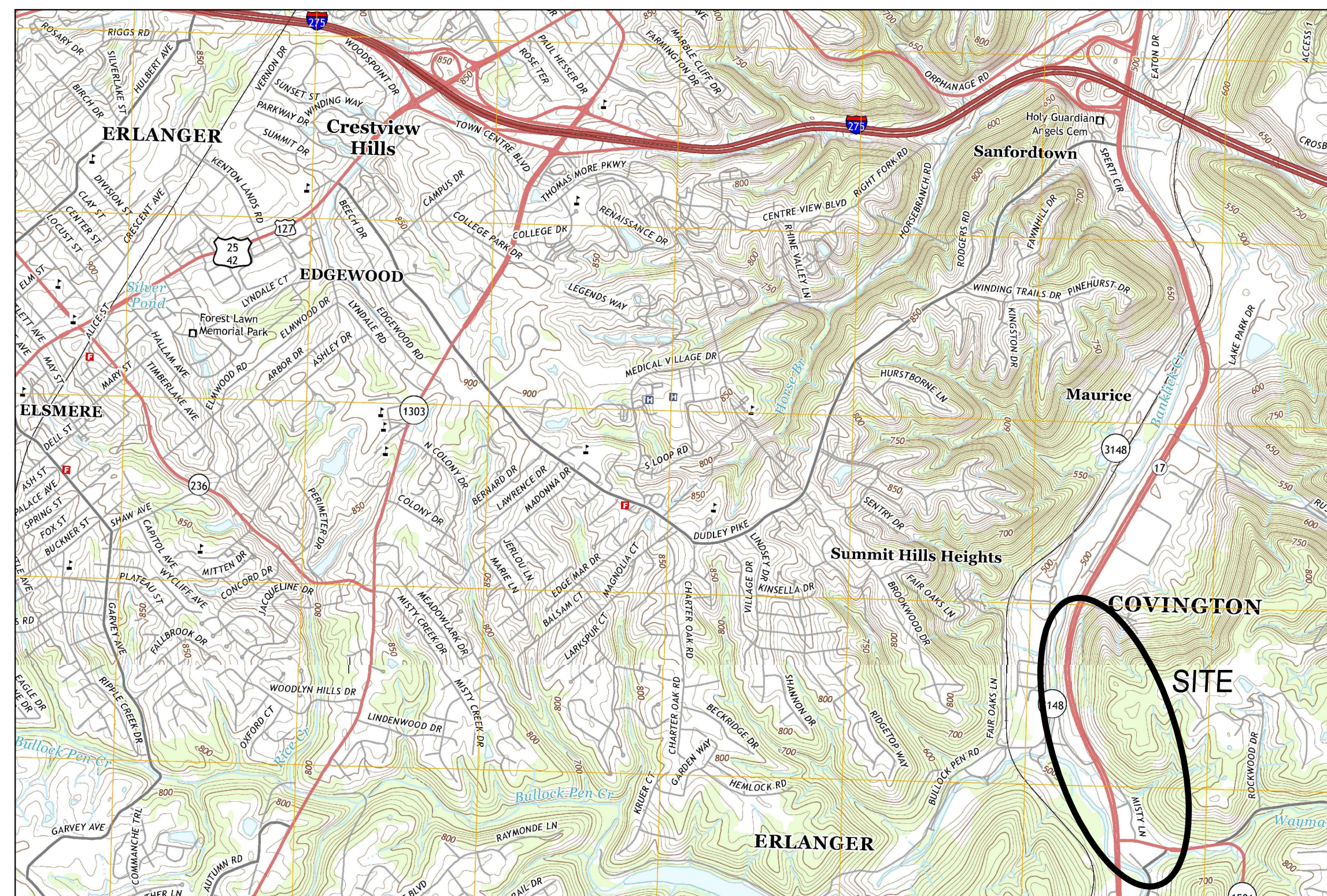


VICINITY MAP
NO SCALE



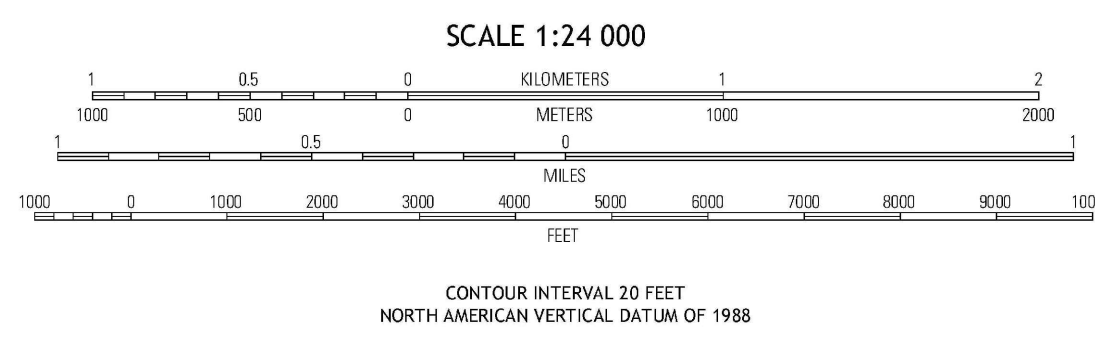
NOTE:
1. THRUST RESTRAINT IS REQUIRED AT ALL HORIZONTAL AND VERTICAL BENDS, TEES, DEAD-END PLUGS, FIRE HYDRANTS AND OTHER FITTINGS FOR THIS ENTIRE PIPELINE PROJECT. REFER TO THELENS REPORT FOR THRUST BLOCK DETAILS.
2. SPECIAL THRUST BLOCKING REQUIREMENTS ARE PROVIDED ON THIS PROJECT. REFER TO THELENS REPORT FOR INFORMATION.
3. FOR ALL WORK ASSOCIATED WITH WATER SERVICES, FIELD VERIFY LOCATION, SIZE, AND DEPTH OF EXISTING WATER SERVICES PRIOR TO CONSTRUCTION

| LEGEND | |
|--------|---------------------------|
| | -Ex Sanitary M.H. |
| | -Ex Sanitary Clean Out |
| | -Ex Storm M.H. |
| | -Ex Storm Catch Basin |
| | -Ex Storm Catch Basin |
| | -Ex Elec. M.H. |
| | -Ex Elec. Box |
| | -Ex Elec. Meter |
| | -Ex Light Pole |
| | -Ex Gas Valve |
| | -Ex Utility Pole |
| | -Ex Gas Meter |
| | -Ex Fire Hydrant |
| | -Ex Water Meter |
| | -Ex Water Valve |
| | -Ex Sign |
| | -Ex Bolard |
| | -Ex Flag Pole |
| | -Ex Deciduous Tree |
| | -Ex Evergreen Tree |
| | -Ex Deciduous Bush |
| | -Ex Evergreen Bush |
| | -Ex Set Benchmark |
| | Ex Underground Water Main |
| | Ex Overhead Utilities |
| | Ex Landscape Border |
| | Ex Trestline |
| | Ex Major Contour |



AREA MAP

USGS COVINGTON AND INDEPENDENCE, KY TOPO QUAD



BENCHMARK #1
A set mag-nail located on the East side of Madison Pike (KY HWY 17) approximately 1004' South of the South pavement line of Mary Laidley Road. Said mag-nail 1.4' West of the West pavement line of Madison Pike, 28.9' Northwest of the "Mary Laidley" sign and 59.6' Southwest of a storm catch basin.
Elevation = 538.20 (NAVD 88)

BENCHMARK #2
A set mag-nail located on the East side of Madison Pike (KY HWY 17) approximately 475' North of the centerline of Hands Pike. Said mag-nail 0.9' West of the West pavement line of Madison Pike, 11.4' Southwest of the "55 MPH" sign and 113.9' South of a sanitary manhole.
Elevation = 535.12 (NAVD 88)

UTILITY COMPANIES
Sanitary Sewer Sanitation District #1 (859) 578-7469
Water N.K.W.D. (859) 426-2703
Gas Duke Energy (513) 287-2594
Electric Duke Energy (513) 287-3498
Telephone Cincinnati Bell Telephone (513) 566-8059
Cable TV Insight Communications (859) 431-7766



LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION.

INDEX OF SHEETS

| SHEET NO. | DRAWING TITLE | ISSUED DATE | REVISION NUMBER | REVISION DATE |
|-----------|----------------------|-------------|-----------------|---------------|
| C1.0 | CIVIL TITLE SHEET | 08-18-14 | 2 | 08-12-15 |
| C2.0 | OVERALL PLAN | 08-18-14 | 2 | 08-12-15 |
| C3.0 | PLAN & PROFILE SHEET | 08-18-14 | 3 | 08-12-15 |
| C3.1 | PLAN & PROFILE SHEET | 08-18-14 | 3 | 08-12-15 |
| C3.2 | PLAN & PROFILE SHEET | 08-18-14 | 3 | 08-12-15 |
| C3.3 | PLAN & PROFILE SHEET | 08-18-14 | 3 | 08-12-15 |
| C3.4 | PLAN & PROFILE SHEET | 08-18-14 | 3 | 08-12-15 |
| C4.0 | WATERMAIN DETAILS | 08-18-14 | 3 | 08-12-15 |
| C5.0 | SWPPP DETAILS | 08-18-14 | 2 | 08-12-15 |
| 1 - 6 | CORRPRO PLANS | 04-20-15 | 1 | 04-27-15 |

ABBREVIATION LEGEND

| ABBREVIATION | DESCRIPTION |
|--------------|------------------------|
| AC | ACRES |
| B/C | BACK OF CURB |
| BL | BUILDING LINE |
| CB | CATCH BASIN |
| DC | DEPRESSED CURB |
| E | EAST/EASTING |
| ELEV | ELEVATION |
| E/P | EDGE OF PAVEMENT |
| EX | EXISTING |
| FF | FINISHED FLOOR |
| FH | FIRE HYDRANT |
| ICW | INTEGRAL CURB AND WALK |
| IP | IRON PIN |
| INV | INVERT |
| LF | LINEAR FEET |
| MH | MANHOLE |
| MED | MEDIUM |
| MON | MONUMENT |
| N | NORTH/NORTHING |
| PG | PERFORMANCE GRADE |
| PT | PART |
| R/W | RIGHT OF WAY |
| SAN | SANITARY |
| SF | SQUARE FEET |
| SL | SANITARY LATERAL |
| STM | STORM |
| TBR | TO BE REMOVED |
| T/GR | TOP OF GRATE |
| T/RIM | TOP OF RIM |
| TYP | TYPICAL |
| VOL | VOLUME |
| W | WATER |
| WM | WATER MAIN |
| WS | WATER SERVICE |

GENERAL NOTES

- ESTIMATED DISTURBED AREA = 1.32± ACRES
- CURRENT BOUNDARY & R/W IS BASED ON KYTC MAPS, DEEDS AND PLATS OF RECORD. TOPOGRAPHIC INFORMATION IS BASED ON A FIELD TOPOGRAPHIC SURVEY.
- ALL GRADING IMPROVEMENTS SHALL BE CONSTRUCTED PER THE SPECIFICATIONS OF THE FOLLOWING AGENCIES.
 - GRADING & EROSION CONTROL - Sanitation District No. 1 (Design & Inspection contact - Bill Plunkett or Andy Aman) 1045 Eaton Drive Ft. Wright, KY 41017 Plunkett(859)578-6881 Aman(859)578-6880
- THE SANITATION DISTRICT NO. 1 MUST BE CONTACTED AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY. CONTACT ANDY AMAN AT (859)-578-6880.
- ALL BMP'S WILL BE INSPECTED AT A MINIMUM OF ONCE EVERY 7 DAYS AND AFTER EVERY 0.5" RAIN EVENT AND GREATER BY QUALIFIED PERSONNEL OF THE OWNER. THE INSPECTIONS SHALL ALSO BE DOCUMENTED IN A WRITTEN LOG.
- PROPOSED EROSION CONTROL MEASURES SHOWN ARE AS A MINIMUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL MEASURES AND/OR REVISING BMP'S AS DEEMED NECESSARY TO MINIMIZE EROSION AND SEDIMENTATION IN ACCORDANCE WITH "KENTUCKY BEST PRACTICES FOR CONSTRUCTION ACTIVITIES" & SECTION 1000 OF THE "NORTHERN KENTUCKY REGIONAL STORM WATER MANAGEMENT PROGRAM RULES REGULATIONS".
- SITE STABILIZATION SHALL BEGIN WITHIN 14 DAYS ON AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY (FOR 21 DAYS OR MORE) CEASED.
- CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO CLEARING ANY HEALTHY MATURE TREES WITHIN 15' OF THE CLEARING LIMITS SHOWN TO DETERMINE IF THE TREES SHOULD BE SAVED.
- REFER TO, AND FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR THIS PROJECT. SOILS REPORT IS PROVIDED FOR CONTRACTOR'S INFORMATION, AND IS NOT TO BE DEEMED ALL INCLUSIVE. CONTRACTOR TO SECURE, AT HIS EXPENSE, ANY ADDITIONAL REPORTS HE FEELS NECESSARY TO DETERMINE CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND COSTS.
- ALL MUD OR DEBRIS TRACKED ON EXISTING STREETS SHALL BE CLEANED AT THE END OF EACH DAY OR AS DIRECTED BY THE OWNER. ANY COSTS INCURRED BY THE OWNER TO ENSURE THIS IS ACCOMPLISHED WILL BE CHARGED TO THE CONTRACTOR.
- IN ADDITION TO ANY TEMPORARY EROSION, MUD, AND DEBRIS CONTROL DETAILS AND NOTES SHOWN ON THE PLANS, THE DEVELOPER SHOULD CONSTRUCT TEMPORARY DIKES, TEMPORARY OR PERMANENT SEEDING, MULCHING AND/OR MULCH NETTING OR ANY OTHER GENERALLY ACCEPTED METHODS TO PREVENT EROSION, MUD, AND DEBRIS FROM BEING DEPOSITED ON OTHER PROPERTY, OR EXISTING ROADS, OR INTO EXISTING SEWERS WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL CONTINUALLY MONITOR THE CONSTRUCTION PROGRESS AND MAKE ANY NECESSARY TEMPORARY ADJUSTMENTS TO MAINTAIN THIS CONTROL.
- CONTRACTOR SHALL PLACE 6" OF TOP SOIL, SEED & STRAW/MULCH ON ALL DISTURBED AREAS.
- THESE PLANS, AS PREPARED BY BAYER & BECKER, DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF BAYER & BECKER'S REGISTERED PROFESSIONAL ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY U.S. OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.

AS-BUILT DRAWING

NKWD - MADISON PIKE
24-INCH HYDRAULIC/REDUNDANCY PROJECT

MADISON PIKE
KENTON COUNTY, KENTUCKY

TITLE

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| Item | Revision Description | Date | Drawn | Chk |
|------|--------------------------------------------------------------------------------|----------|-------|-----|
| 1 | ISSUED TO KYTC FOR PERMIT | 08-18-14 | RTK | |
| 2 | ISSUED TO NADVD/KYDC FOR PERMIT | 01-26-15 | MTM | |
| 3 | ISSUED PLANS FOR BID | 08-12-15 | RTK | |
| | RE-ASSIGNED PLANS TO SDI FOR GRADING PERMIT (Original Submitted to SDI 9-4-15) | 08-23-15 | MTM | |
| | REVISED PER ASBUILTS | 10-10-15 | JLF | |

| | |
|-------------|------------------|
| Drawing: | 12K054-000 TITLE |
| Drawn by: | MTM |
| Checked by: | RTK |
| Issue Date: | 08-18-14 |

Sheet:
C1.0