LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT

RECORD NUMBER XXXXXX

PROJECT TITLE

LATERAL EXTENSION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTRURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY MSD'S PRIVATE DEVELOPMENT REVIEW OFFICE. EPSC BMP'S (BEST MANAGEMENT PRACTICES) SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS.

DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDED AND STABILIZED.

ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.

SOIL STOCKPILES SHALL BE LOCATED AWAY FROM THE STREAMS, PONDS, SWALES, AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.

ALL STREAM CROSSINGS MUST UTILIZE LOW-WATER CROSSING STRUCTURES PER MSD STANDARD DRAWING ER-02-02.

SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE, OR CATCH BASIN.

WHERE CONSTRUCTION OR LAND DISTURBING ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICAL, BUT NO LATER THAN 14 DAYS AFTER THE ACTIVITY HAS CEASED.

BENCHMARK

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 1988 DATUM AND WERE DERIVED FROM XXXXXXXXXXX BY MEANS OF XXXXXXXXXXXXX METHODS.

SOURCE BENCHMARK GPS-#XX NAVD 1988 ELEV. XXX.XX

TBM#1 – DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION. ELEV. XXX.XX

TBM#2 – DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION. ELEV. XXX.XX

TBM#3 – DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION. ELEV. XXX.XX

TBM#4 – DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION. ELEV. XXX.XX

UTILITY NOTE

ALL UTILITIES ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER KENTUCKY 811 (TOLL FREE PHONE NO. 1-800-752-6007 OR LOCAL NO. 502-266-5123) FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS & WATER LINES). WHEN CONTACTING THE KENTUCKY 811 CALL CENTER, PLEASE STATE THE WORK TO BE DONE IS FOR A PROPOSED MSD SEWER OR DRAINAGE FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS AND IN THE TECHNICAL SPECIFICATIONS & SPECIAL PROVISIONS.

The New Look For Digging Safely in Kentucky
Kentucky 811
Call 811 Before You Dig

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
XX	COVER SHEET
XX	PLAN SHEET
XX	PROFILE SHEET
XX	PROPERTY SERVICE CONNECTION INLET SHEET
XX	DETAIL SHEET
XX	SERVICE AREA MAP

FLOODPLAIN NOTE

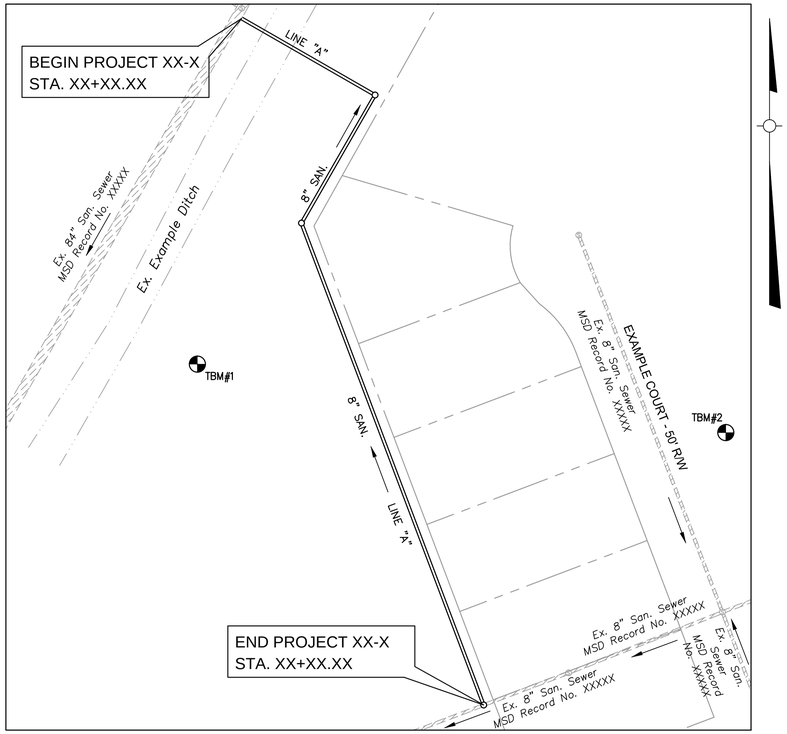
THE SUBJECT PROPERTY IS LOCATED IN ZONE __, WHICH IS AN AREA DETERMINED TO BE OUTISDE OF THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE FLOOD INSURANCE RATE MAP (FEMA) PANEL NO. XXXXXXXXXXXXX-X DATED XXXXXX X, XXXX.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THESE PLANS AND SURVEY WERE MADE UNDER MY SUPERVISION AND THAT THE ANGULAR AND LINEAR MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT THE TOPOGRAPHIC FEATURES SHOWN WERE LOCATED OR VERIFIED AT THE TIME THE SURVEY WAS MADE. THE SURVEY INFORMATION SHOWN HEREON MEETS OR EXCEEDS THE MINIMUM STANDARDS OF GOVERNING AUTHORITIES.

SIGNATURE P.L.S. NO. DATE

PROJECT LOCATION MAP



SCALE: 1"= 50'

50' 25' 0 50' 100'

GRAPHIC SCALE

AS BUILT

THE CONTRACTOR SHALL MARK THE LOCATION AND DEPTH OF EACH PROPERTY SERVICE CONNECTION ON THE "AS-BUILT" DRAWINGS AND COMPLETE THE PSC INLET SHEETS AND SUBMIT THEM TO MSD.

THE FINAL RECORD INFORMATION FOR THIS DRAWING WAS PROVIDED BY THE PROFESSIONAL LAND SURVEYOR _____ ON XX/XX/XXXX.

THE PROPERTY SERVICE CONNECTION INFORMATION WAS COLLECTED BY THE GENERAL CONTRACTOR _____ WITH NO FIELD VERIFICATION BY THE PROFESSIONAL LAND SURVEYOR.

THE FINAL RECORD DATA AND PROPERTY SERVICE CONNECTION INFORMATION HAS BEEN ACCEPTED BY MSD INSPECTOR _____ ON XX/XX/XXXX.

FOR THE PURPOSE OF SUPPLYING RECORD DRAWING INFORMATION, SHEETS XX-XX OF ORIGINAL DRAWINGS REPLACES THE APPROVED SHEETS XX-XX OF CONSTRUCTION DRAWINGS. DRAWINGS HAD BEEN DESIGN APPROVED BY _____ ON XX/XX/XXXX AND APPROVED FOR CONSTRUCTION BY _____ ON XX/XX/XXXX.

THE ORIGINAL DRAWINGS HAVE BEEN ARCHIVED.

GENERAL NOTES

1. SEWAGE FROM THIS DEVELOPMENT SHALL BE TREATED AT THE XXXXXXXXX XXXXXXXX WATER QUALITY TREATMENT PLANT.
2. ALL PIPE TO BE PVC D-3034 OR PVC CORRUGATED PIPE, ASTM F-949.
3. CONSTRUCT PROPERTY SERVICE CONNECTIONS TO EDGE OF EASEMENT OR 15' BEYOND RIGHT-OF-WAY AS DIRECTED.
4. PROPERTY SERVICE CONNECTIONS ARE TO BE 1.00% SLOPE UNLESS OTHERWISE NOTED.
5. PROPERTY SERVICE CONNECTION IS NOT AVAILABLE FOR CONNECTION UNTIL RECORD PLAT FOR THE LOTS SERVED IS RECORDED AND THE CAPACITY CHARGE FEES APPLICABLE AT THAT TIME ARE PAID.
6. ROCK TO BE SHATTERED 6' BEYOND END OF PSC.
7. ROCK SOUNDING LOCATIONS ARE AS FOLLOWS:
   ROCK SOUNDINGS IN EASEMENT ARE AT CENTERLINE OF SEWER.
   ROCK SOUNDINGS IN ROADWAY ARE AT CENTERLINE OF R-O-W.
8. VERTICAL DATUM CORRESPONDS TO NAVD 1988 DATUM.
9. LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT STANDARD SPECIFICATIONS ARE TO APPLY.
10. PROPERTY CORNERS WILL BE SET WHEN RECORD PLAT IS RECORDED UNLESS OTHERWISE NOTED.
11. EPSC PLANS WILL BE SUBMITTED WITH STORM CONSTRUCTION PLANS.
12. MSD SHALL INSPECT ALL SANITARY SEWER CONSTRUCTION.
13. ALL MANHOLES MUST INCLUDE CHIMNEY SEALS. THE MANHOLE CHIMNEY SECTION SHALL BE SEALED AND MADE WATERTIGHT USING EITHER A MECHANICALLY LOCKING INTERNAL BUTYL CHIMNEY SEAL OR A CHEMICALLY BONDING CHIMNEY SEAL AS IDENTIFIED ON THE PLANS. INSTALLATION OF THE CHIMNEY SEAL SHALL BE PERFORMED BY MANUFACTURER CERTIFIED PERSONNEL. THE CHIMNEY-SEALING PRODUCT SHALL BE ON THE MSD PRE-APPROVED PRODUCT LIST AND THE PRODUCT USED SHALL BE IDENTIFIED ON THE AS-BUILT DRAWINGS.
14. A REQUEST FOR SANITARY SEWER CAPACITY WILL BE SUBMITTED AND APPROVED BY METROPOLITAN SEWER DISTRICT.
15. CONTRACTOR SHOULD VERIFY EXISTING ELEVATIONS BEFORE CONSTRUCTION AND NOTIFY ENGINEER WITH ANY DISCREPANCIES.
16. ALL PIPE DIAMETERS SHOWN ON THESE PLANS REPRESENT INSIDE DIAMETERS.
17. MANHOLES SHALL BE 4' INSIDE DIAMETER UNLESS OTHERWISE NOTED.
18. FOR LOCATIONS OF WATERTIGHT AND NON-WATERTIGHT MANHOLES, SEE PLAN AND PROFILE SHEETS.
19. THE CONTRACTOR MUST OBTAIN THE LATEST ISSUE OF MSD STANDARD DRAWINGS. THE STANDARD DRAWINGS SHALL BE UTILIZED WHERE APPLICABLE.
20. ALL STACKS TO BE CONSTRUCTED TO A POINT 4 FEET BELOW THE GROUND SURFACE UNLESS OTHERWISE DIRECTED.
21. A DROP PIPE SHALL BE PROVIDED WHERE THE SEWER ENTERS THE MANHOLE AT TWO FEET OR MORE ABOVE THE MANHOLE INVERT.
22. ALL SEWERS SHALL BE LOW PRESSURE AIR TESTED. A DEFLECTION TEST SHALL BE PERFORMED ON ALL GRAVITY SEWERS USING FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE FOR AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES. EACH MANHOLE SHALL BE TESTED FOR WATERTIGHTNESS.
23. SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A VERTICAL DISTANCE OF 18" BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED TO THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN.
24. SEWERS SHALL BE LAID AT LEAST 10-FEET HORIZONTAL FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.
25. THE UTILITY LOCATION INFORMATION SHOWN ON THESE PLANS IS APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF THE UTILITIES PRIOR TO ANY CONSTRUCTION.
26. MSD DOES NOT WARRANT THE DESIGN OR COMPUTATIONS CONTAINED IN THIS PLAN. THE CORRECTNESS OR ACCURACY OF ALL ENGINEERING COMPUTATIONS REMAIN THE SOLE RESPONSIBILITY OF THE APPLICANT'S DESIGN PROFESSIONALS. MSD'S APPROVAL TO PROCEED WITH CONSTRUCTION IS BASED SOLELY ON THAT DESIGN PROFESSIONAL'S SEAL AND SIGNATURE.
27. THERE SHALL BE NO DEVIATIONS FROM THE APPROVED PLANS AND SPCIFICATIONS UNLESS AUTHORIZED IN WRITING BY MSD.

BACKFILL NOTE

TYPE 1 – SAND; FLUSHED & JETTED.
TYPE 2 – EXCAVATED MATERIALS; FLUSHED & JETTED.
(USE TYPE 2 BACKFILL UNLESS OTHERWISE NOTED)

MSD STANDARD DRAWINGS

XX-XX-XX	XXXXXXXXXXXX