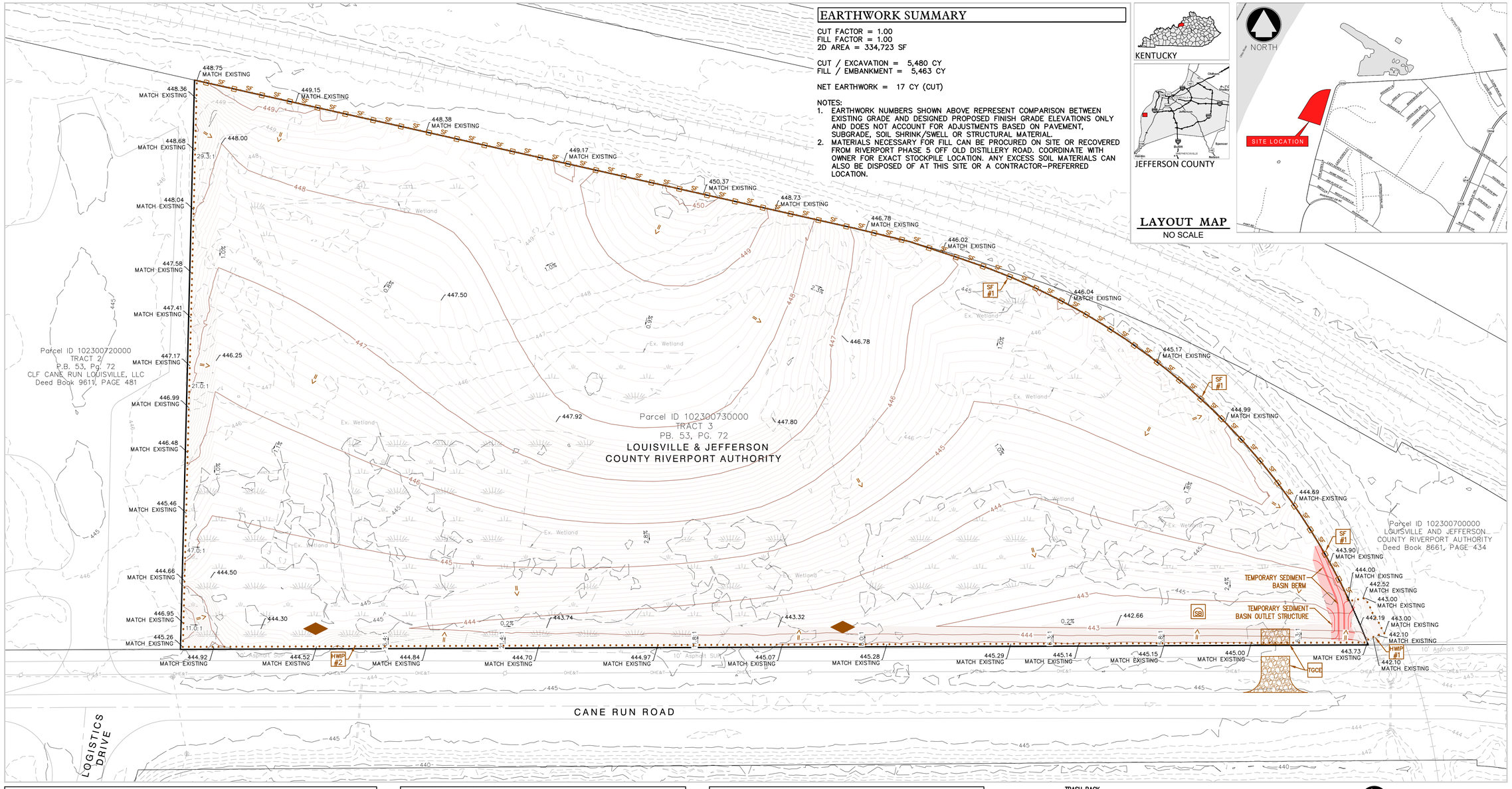


EARTHWORK SUMMARY

CUT FACTOR = 1.00
FILL FACTOR = 1.00
2D AREA = 334,723 SF

CUT / EXCAVATION = 5,480 CY
FILL / EMBANKMENT = 5,463 CY

NET EARTHWORK = 17 CY (CUT)

NOTES:
1. EARTHWORK NUMBERS SHOWN ABOVE REPRESENT COMPARISON BETWEEN EXISTING GRADE AND DESIGNED PROPOSED FINISH GRADE ELEVATIONS ONLY AND DOES NOT ACCOUNT FOR ADJUSTMENTS BASED ON PAVEMENT, SUBGRADE, SOIL SHRINK/SWELL OR STRUCTURAL MATERIAL.
2. MATERIALS NECESSARY FOR FILL CAN BE PROCURED ON SITE OR RECOVERED FROM RIVERPORT PHASE 5 OFF OLD DISTILLERY ROAD. COORDINATE WITH OWNER FOR EXACT STOCKPILE LOCATION. ANY EXCESS SOIL MATERIALS CAN ALSO BE DISPOSED OF AT THIS SITE OR A CONTRACTOR-PREFERRED LOCATION.

LAYOUT MAP
NO SCALE

STANDARD MSD SWPPP NOTES

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING 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 BMPS SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS.

THE EROSION PREVENTION AND SEDIMENT CONTROL DEVICES SHOWN ON THIS PLAN SET ARE INTENDED TO BE THE MINIMUM CONTROL MEASURES. ADDITIONAL EPSC DEVICES MAY NEED TO BE INSTALLED AS NECESSARY BY THE CONTRACTOR TO PREVENT EROSION AND SEDIMENTATION.

ALL ROADSIDE SWALES/DITCHES AND IMMEDIATE CONTRIBUTING DRAINAGE TO THEM MUST BE STABILIZED AS THE SWALES/DITCHES ARE BEING CONSTRUCTED TO AVOID SEDIMENT RUNOFF ONTO ADJOINING PROPERTIES.

TIE BACK DISTANCES ON SILT FENCE ARE TO BE OF ADEQUATE LENGTH TO ALLOW FOR A MINIMUM OF 2 FEET OF STORAGE.

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

AT THE END OF EACH WORK DAY THE SITE SHALL BE CLEANED OF SEDIMENT DEBRIS. DISTURBED AREAS SHALL HAVE SILT CONTROL INSTALLED OR BE STABILIZED SO THAT SEDIMENT WILL NOT GET OFF SITE OR INTO THE STORM SYSTEM DURING A RAIN EVENT.

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

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

FLOODPLAIN NOTE

THIS SITE IS NOT LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA PANEL 21111C0070F.

THIS SITE IS NOT LOCATED WITHIN THE LOCAL REGULATORY FLOODPLAIN ZONE OR THE COMBINED SEWER SYSTEM FLOODPRONE AREA PER LOJIC ONLINE MAPPING.

EPSC / IMPERVIOUS DATA

DISTURBED AREA: 7.68 AC.
SENSITIVE FEATURES: WETLAND
HYDROLOGIC SOIL GROUP: N/A
SOIL TYPE: UahC (URBAN LAND)
SITE AREA: 7.68 AC.
PRE-IMPER. AREA: 0.00 AC. (WITHIN DIST. AREA)
POST-IMPER. AREA: 0.00 AC. (WITHIN DIST. AREA)

GENERAL NOTES

A. ALL INFORMATION SHOWN ON THIS PLAN IS BASED ON LOJIC ONLINE GIS MAPPING AND STATEWIDE LIDAR ELEVATION DATA. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXACT FIELD LIMITS AND ELEVATIONS AND REPORTING ANY DISCREPANCIES TO OWNER'S ENGINEER.
B. DO NOT DISTURB ANY EXISTING UTILITIES OR RAILWAY BALLAST STONE DURING CONSTRUCTION.
C. CONTRACTOR SHALL MAINTAIN ACCESS ACROSS EXISTING LOUISVILLE LOOP TRAIL THROUGHOUT CONSTRUCTION AND REPAIR ANY DAMAGE DURING SITE STABILIZATION.
D. CONTRACTOR SHALL MAINTAIN SEED AND STRAW DURING SITE RESTORATION PHASE AND WATER AS NECESSARY UNTIL GRASS IS ESTABLISHED ACROSS THE SITE.

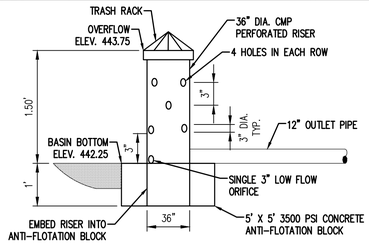
SWPPP PHASING

NOTE: PHASING IS SPECIFIC TO THE TYPE OF WORK. CONSTRUCTION SEQUENCING DOES NOT HAVE TO FOLLOW THE PHASING BELOW.

PHASE 1A – BMP INSTALLATION
1. CONTACT LOUISVILLE MSD INSPECTOR FOR A PRE-CONSTRUCTION MEETING PRIOR TO INSTALLATION OF ANY EROSION CONTROL.
2. INSTALL TEMPORARY CONSTRUCTION ENTRANCE WHERE INDICATED ON PLAN. CONTRACTOR SHALL NOT TRACK MUD OR SOIL ON ADJACENT ROADWAYS OR LOUISVILLE LOOP TRAIL, AND SHALL WASH EQUIPMENT AS NECESSARY.
3. INSTALL HEADWALL INLET PROTECTION #1 AND #2 WHERE INDICATED ON PLAN. CONTRACTOR SHALL CONFIRM THAT NO ADDITIONAL DRAINAGE OUTLETS ARE PRESENT.
4. INSTALL SILT FENCE #1 WHERE INDICATED ON PLAN.

PHASE 1B – SITE CLEARING
1. BEGIN SITE CLEARING WITHIN PROJECT DISTURB LIMITS BEGINNING IN LOCATION OF PROPOSED TEMPORARY SEDIMENT BASIN.
2. CONSTRUCT TEMPORARY SEDIMENT BASIN WHERE INDICATED. A TEMPORARY BERM WITH A TOP ELEVATION OF 444.00 SHALL BE CONSTRUCTED WHERE INDICATED ON PLAN AND A TEMPORARY RISER STRUCTURE AND OUTLET PIPE SHALL BE CONSTRUCTED PER DETAIL 1, THIS SHEET. BERM SHALL BE TEMPORARILY STABILIZED PER LOUISVILLE MSD STANDARD SPECIFICATIONS.
3. BEGIN EARTHWORK OPERATIONS TO ESTABLISH PLAN GRADES AS SHOWN.
4. INSTALL ROCK DITCH CHECKS WHERE INDICATED AS PROPOSED GRADES ARE REACHED.

PHASE 1C – SITE STABILIZATION
1. ONCE CLEARING AND EARTHWORK PHASES ARE COMPLETE, CONTRACTOR SHALL STABILIZE SITE AND PERFORM SITE RESTORATION PER SECTION 9 OF LOUISVILLE MSD STANDARD SPECIFICATIONS.
2. ONCE ALL CONSTRUCTION IS COMPLETED AND SITE IS STABILIZED, REMOVE ALL BMP'S.



TEMPORARY SEDIMENT BASIN OUTLET RISER
DETAIL 1
SCALE: NONE

EPSC BMPs MAINTENANCE NOTE

EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED EVERY SEVEN DAYS AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 1/2" OF PRECIPITATION.

NORTH
1"=40' 0 20' 40' 80'

SWPPP LEGEND

- TGCE — TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT (PER MSD STD ER-01-03)
- HWP # — HEADWALL INLET PROTECTION (PER MSD STD EF-05-02)
- SB — SEDIMENT BASIN (SEE DETAIL 1, THIS SHEET)
- TEMPORARY SEDIMENT BASIN BERM
- ROCK DITCH CHECK (PER MSD STD EB-03-03)
- SF # — SILT FENCE (PER MSD STD EF-09-02)
- => DRAINAGE FLOW ARROW
- DISTURBED LIMITS

SWPPP MODIFICATION NOTE

ANY MODIFICATIONS TO THE SWPPP MUST BE REVIEWED AND APPROVED BY LOUISVILLE MSD.

Engineering
Planning
Kentucky - Indiana
Georgia - Tennessee
www.QK4.com
9920 Corporate Campus Drive, Suite 1200, Louisville, Kentucky 40223 Phone: 502-585-2222

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09/25/25

6900 Riverport Drive, Suite A
Louisville, Kentucky 40258

Owner:
Louisville Riverport Authority
6900 Riverport Drive, Suite A
Louisville, Kentucky 40258

LOUISVILLE RIVERPORT AUTHORITY
FOREIGN TRADE ZONE 29

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

REV #	DATE	DESCRIPTION

5500 Cane Run Road Improvements
5500 Cane Run Road
Louisville, Kentucky 40258

Project No:	25324.000
Date:	September 25, 2025
Scale:	1" = 40'
Drawn By:	JTB
Checked By:	NRC

Sheet Number :
C1.1
Grading, Drainage & EPSC Plan

PERMIT SET
WM# TBD

Sheet 1 of 1

Users: jbarnes Plot Date: September 25, 2025 2:30 PM
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