

# ROADWAY CONSTRUCTION PLANS MILLER AVENUE EXTENSION 604 EASTERN PARKWAY LOUISVILLE, KENTUCKY

## INDEX

SHT. NO.	TITLE
1	COVER, ROADWAY, SITE, GRADING/EPSC, ROAD PROFILE PLAN AND STANDARD DETAILS

### EROSION PREVENTION AND SEDIMENT CONTROL NOTE:

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 BMP'S (BEST MANAGEMENT PRACTICES) SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS.

RETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDING 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 STREAMS, PONDS, SWALES, AND CATCH BASINS. STOCKPILES SHALL BE SEEDING, 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.

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, 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 PRACTICABLE, BUT NO LATER THAN 14 DAYS AFTER THE ACTIVITY HAS CEASED.

### LEGEND:

	FOUND MONUMENT AS NOTED
	EXISTING FIRE HYDRANT
	EXISTING UTILITY POLE
	EXISTING OVERHEAD UTILITY
	DEMO, EXISTING PAVEMENT
	PROPOSED ROAD/PAVEMENT
	PROPOSED CONCRETE SIDEWALK
	AREA OF DISTURBANCE
	SILT FENCE
	DRAINAGE FLOW ARROW
	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
	CONCRETE WASHOUT

### AREA UTILITY COMPANIES:

<b>WATER FACILITIES</b> LOUISVILLE WATER COMPANY 550 SOUTH THIRD STREET LOUISVILLE, KY 40202 (502) 589-3600	<b>TELECOMMUNICATION FACILITIES</b> AT&T 3719 BARDSTOWN ROAD LOUISVILLE, KY 40218 (502) 454-8622
<b>SANITARY AND STORM DRAINAGE FACILITIES</b> METROPOLITAN SEWER DISTRICT 700 WEST LIBERTY STREET LOUISVILLE, KY 40202 (502) 540-8000	<b>ROAD FACILITIES</b> LOUISVILLE METRO PUBLIC WORKS AND TRANSPORTATION DEPARTMENT 444 SOUTH FIFTH STREET, SUITE 400 LOUISVILLE, KY 40202 (502) 574-5810
<b>ELECTRIC AND GAS FACILITIES</b> LOUISVILLE GAS & ELECTRIC 6800 ENTERPRISE DRIVE LOUISVILLE, KY 40214 (502) 367-2049	<b>KENTUCKY DEPARTMENT OF TRANSPORTATION</b> 8310 WESTPORT ROAD LOUISVILLE, KY 40242 (502) 210-5400

### PRIOR TO CONSTRUCTION:

- CONTRACTOR SHALL CONTACT PROJECT MANAGER AT 502-423-8747 TO VERIFY PLANS HAVE NOT CHANGED.
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND CONTACT PROJECT MANAGER AT 502-423-8747 TO NOTIFY OF ANY AND ALL DISCREPANCIES WITH PLANS.
- ALL CONSTRUCTION METHODS, MATERIALS AND WORK ACTIVITIES SHALL BE IN ACCORDANCE WITH THE KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS ADD SUPPLEMENT FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION UNLESS OTHERWISE SPECIFIED. THE CURRENT KENTUCKY STANDARD DRAWINGS WILL ALSO APPLY UNLESS OTHERWISE NOTED ON THE PLANS.

### APPLICABLE MSD STANDARD DRAWINGS:

SILT FENCE	EF-09-02
STABILIZED CONSTRUCTION ENTRANCE	ER-01-03

### DISTURBANCE AREA:

AREA OF DISTURBANCE IS 4,500 S.F. (0.10± ACRES)

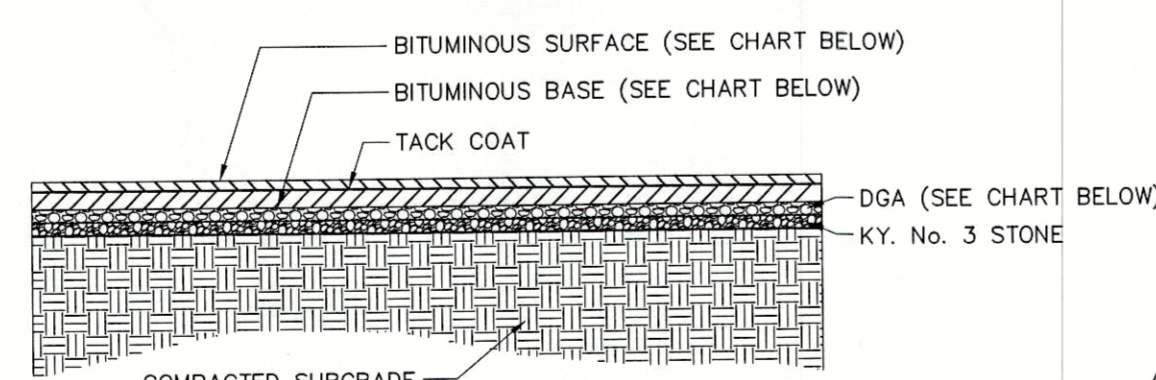
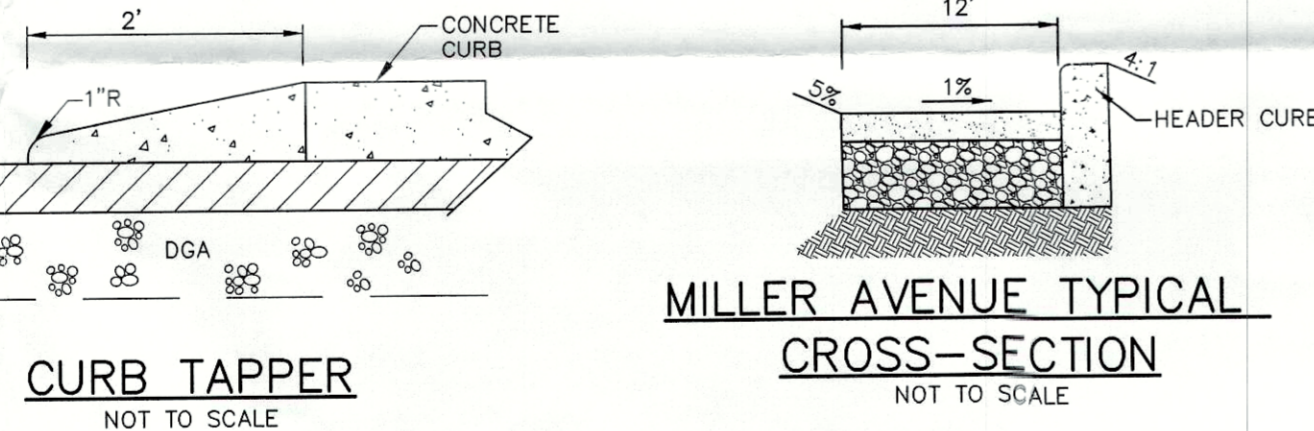
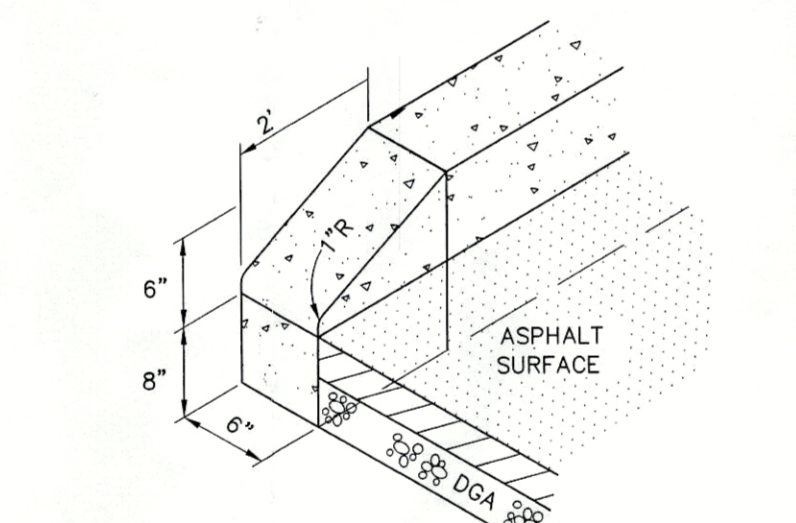
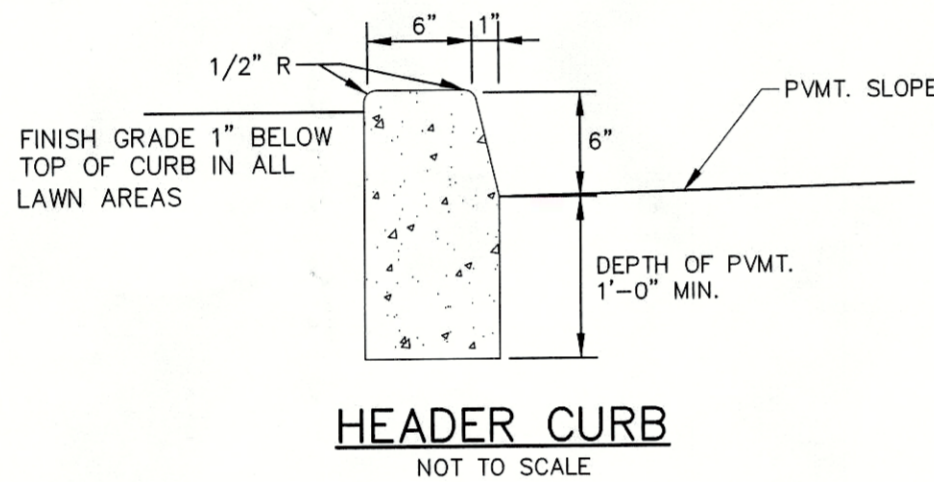
### BEFORE YOU DIG:

ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY KENTUCKY 811 (PHONE NO. 811, WWW.KENTUCKY811.COM) FORTY-EIGHT 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 AND WATER LINES. WHEN CONTACTING THE KENTUCKY 811, CALL CENTER, PLEASE STATE THAT THE WORK TO BE DONE IS FOR A PROPOSED M.S.D. SEWER AND DRAINAGE FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS, IN THE TECHNICAL SPECIFICATIONS, AND SPECIAL PROVISIONS.

ALL UTILITY RELOCATIONS & ADJUSTMENTS ARE THE RESPONSIBILITY OF THE DEVELOPER.



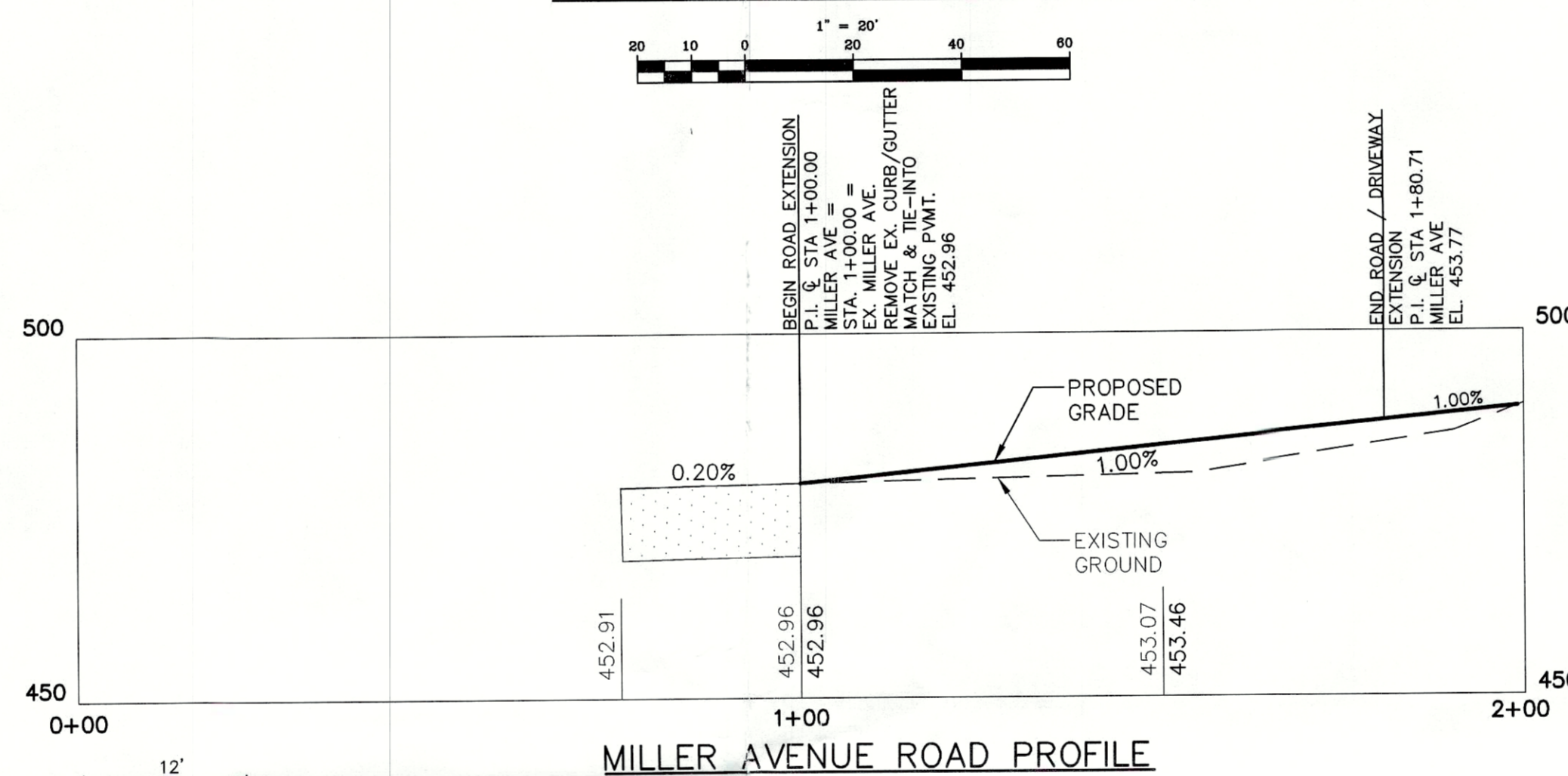
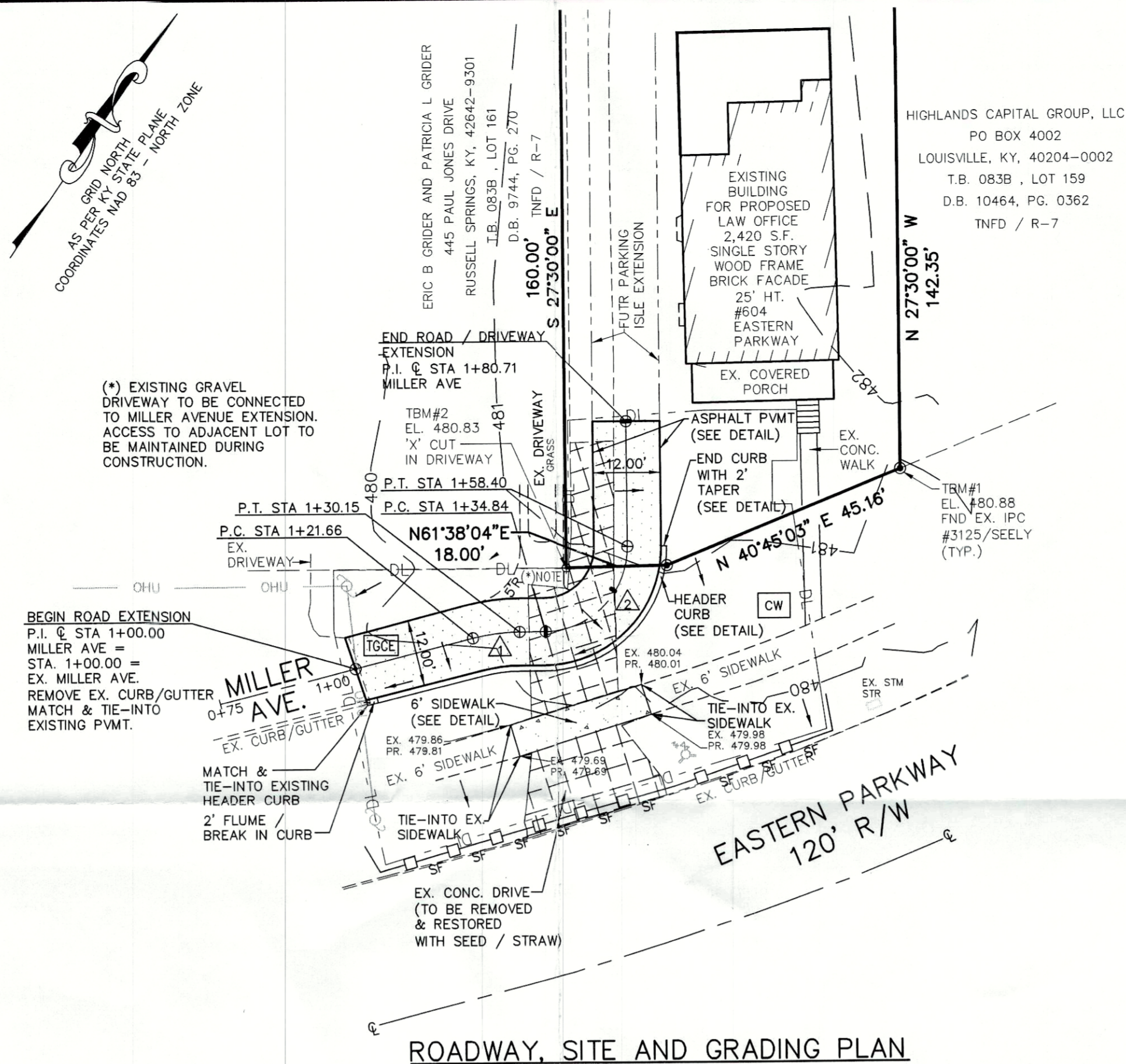
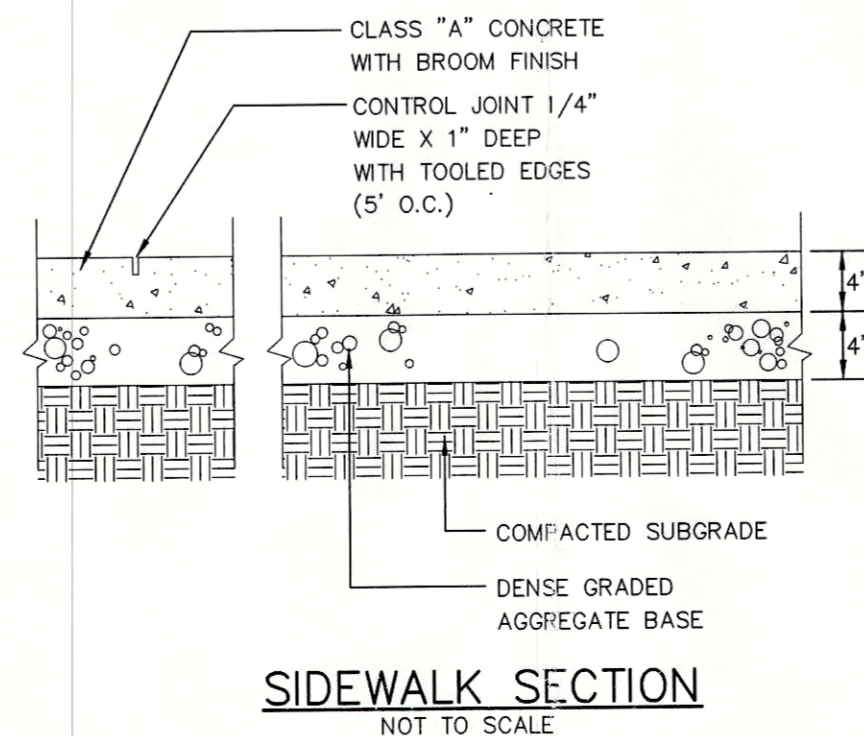
Know what's below.  
Call before you dig.



PAVEMENT DATA:	HEAVY DUTY
No. 3 STONE	6" MIN.
DGA	4" MIN.
BITUMINOUS ASPHALT BASE	3" MIN.
BITUMINOUS ASPHALT SURFACE	1" MIN.

PAVEMENT SECTION ASSUMES SUBGRADE TO BE COMPACTED AND TESTED TO 95% PROCTOR.

ALL PAVEMENT DATA SHOWN IS FOR RECOMMENDATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING SUB-SURFACE CONDITIONS AND COMPLETING COMPACTION TESTING BY A GEOTECHNICAL ENGINEERING FIRM.



### EROSION MAINTENANCE AND CLEAN-OUT:

- MAINTENANCE AND CLEAN-OUT SHALL BE PERFORMED BY THE SITE CONTRACTOR UNDER THE FOLLOWING GUIDELINES:
- ROUTINE CHECKS OF THE EROSION CONTROL DEVICES SHALL BE PERFORMED AT A MINIMUM OF 7 DAYS OR AFTER EVERY ONE HALF INCH OF RAINFALL.
  - ANY FAILURES OF EROSION CONTROL DEVICES SHOULD IMMEDIATELY BE ADDRESSED AND THE APPROPRIATE STEPS TAKEN TO REPAIR THE FAILURE.
  - THE CONTRACTOR SHALL MAINTAIN AN ACCURATE LOG OF THE EROSION SITE CONDITIONS.
  - THE CONTRACTOR IS TO REMOVE ANY DIRT OR MUD ON THE PUBLIC STREETS.
  - SEDIMENT CONTROL DYKES SHALL REMAIN IN PLACE DURING ALL CONSTRUCTION ACTIVITIES.

### EROSION PREVENTION MAINTENANCE SCHEDULE:

- ALL BMP'S NEED TO BE MAINTAINED EVERY SEVEN (7) DAYS, AFTER EVERY STORM EVENT THAT EQUALS OR EXCEEDS 1/2 INCH PRECIPITATION, OR AFTER HEAVY USE. SILT FENCE:
- REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE TRIANGLE SILT DYKE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE DYKE.
  - IF SILT FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SILT FENCE IMMEDIATELY.
  - TAKE CARE TO AVOID UNDERMINING OR DAMAGING THE SILT FENCE WHEN CLEANING OUT SEDIMENT.
  - REMOVE THE SILT FENCE AFTER ITS CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED. REMOVE THE SILT FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE IT USING THE APPROPRIATE PERMANENT STABILIZATION METHOD.

### CURVE DATA:

	$\Delta = 13'53.41"$		$\Delta = 90'00.00"$
$R = 35.00'$		$R = 15.00'$	
$T = 4.26'$		$T = 15.00'$	
$L = 8.49'$		$L = 23.56'$	

### DEMOLITION PLAN NOTES:

- EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE DEMO / SITE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE DEMO / SITE CONTRACTOR SHALL COORDINATE ALL WORK ASSOCIATED WITH THE REMOVAL, RELOCATION, AND DEMOLITION OF EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
- ALL DEMOLISHED MATERIAL TO BECOME THE PROPERTY OF THE DEMO / SITE CONTRACTOR UNLESS OTHERWISE NOTED, AND SHALL BE LEGALLY DISPOSED OF OFF-SITE.
- DEMO / SITE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO COMMENCING DEMOLITION.
- MAINTAIN PROPER DRAINAGE IN DEMOLITION AREAS.
- SAW CUT EXISTING CONCRETE AND ASPHALT SURFACES FOR REMOVAL AS NOTED.
- THE DEMO / SITE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE TO EXISTING BUILDINGS AND/OR SITE ENTITIES THAT ARE TO REMAIN.
- THE CONCRETE PROPOSED TO BE SAWCUT SHALL BE SAWCUT TO THE NEAREST CONCRETE JOINT BEYOND THE LIMITS ILLUSTRATED. NOTIFY ENGINEER IF JOINT IS OVER ONE (1) FOOT FROM LINE SHOWN.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

### SITE / ROADWAY PLAN NOTES:

- ALL CONSTRUCTION MUST CONFORM TO LOUISVILLE METRO, JEFFERSON COUNTY, AND STATE OF KENTUCKY STANDARDS.
- ALL DIMENSIONS, UNLESS NOTED OTHERWISE ARE TO THE EDGE OF PAVEMENT. ALL RADII ARE FIVE (5) FEET, UNLESS OTHERWISE DIMENSIONED ON THIS SHEET.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT DOCUMENTS.
- ALL SIDEWALKS SHALL BE IN COMPLIANCE WITH ADA REGULATIONS. NO CROSS SIDEWALKS SHALL BE OVER 5% OR HAVE MORE THAN A 2% CROSS SLOPE.
- DENSE GRADED AGGREGATE BASE COURSE SHALL BE COMPACTED IN TWO SEPARATE COURSES.
- ASPHALT SHALL BE CLASS 1, TYPE A.
- TACK COAT SHALL BE APPLIED AT THE RATE OF 0.1 GALLON PER SQUARE YARD WITH THE INSTALLATION OF SURFACE ASPHALT WHEN FINAL PAVING HAS BEEN DELAYED FROM BASE INSTALLATION. TACK COAT THE EDGE OF THE EXISTING ASPHALT TO ENSURE ADHESION BETWEEN THE PROPOSED AND EXISTING ASPHALT.
- IF ANY UTILITY LINES ARE ENCOUNTERED DURING CONSTRUCTION, EXTREME CAUTION SHOULD BE EXERCISED AND THE UTILITY COMPANY NOTIFIED IMMEDIATELY. ANY DAMAGES SHALL BE REPAIRED IMMEDIATELY AT THE DIRECTION OF THE UTILITY COMPANY INCLUDING TEMPORARY AND PERMANENT WORK.
- AN APPROVED JOINT SEALER, IN ACCORDANCE WITH KENTUCKY DEPT. OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, IS TO BE USED TO SEAL ALL JOINTS BETWEEN NEW PAVEMENT AND EXISTING PAVEMENT.
- SAW CUT EXISTING PAVEMENT TO CREATE A SMOOTH UNDAMAGED EDGE AGAINST WHICH NEW PAVEMENT SHALL BE CONSTRUCTED.
- THE SITE CONTRACTOR SHALL PROVIDE ALL NECESSARY CONTROL POINT, SURVEY AND CONSTRUCTION STAKING FOR CONSTRUCTION PURPOSES.
- WHEN ROCK IS ENCOUNTERED NEAR ROADBED ELEVATION, THE MATERIALS WILL BE EXCAVATED TO A MINIMUM DEPTH OF TWELVE (12) INCHES BELOW SUBBASE ELEVATION, THE ROCK SURFACE SLOPED TO DRAIN, BACKFILLED WITH SELECT MATERIAL AND COMPACTED IN ACCORDANCE WITH THE KENTUCKY STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES. ANY OTHER SUITABLE MATERIALS ENCOUNTERED SHALL BE REMOVED TO A DEPTH AND WIDTH AND BACKFILLED WITH ACCEPTABLE MATERIALS AT THE DISCRETION OF THE ENGINEER.
- THE SITE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIAL, EQUIPMENT, TOOLS AND SERVICES REQUIRED TO COMPLETE CONSTRUCTION AND MATERIAL TESTING FOR THE WORK. ALL WORK SHALL BE PERFORMED IN A SAFE AND REASONABLE WORKING MANNER IN ACCORDANCE WITH THE BEST PRACTICES AND PROCEDURES.
- THE SITE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, ORDINANCES, REGULATIONS AND REQUIREMENTS NECESSARY TO COMPLETE THE WORK. THIS INCLUDES PROVISIONS FOR MAINTENANCE OF TRAFFIC, CONSTRUCTION AND THE OCCUPATIONAL SAFETY AND HEALTH ACT.
- ALL EXISTING TRAFFIC WARNING AND REGULATORY SIGNING WILL BE LOCATED, MAINTAINED DURING ALL CONSTRUCTION ACTIVITIES AND IMMEDIATELY REPLACED AFTER CONSTRUCTION IS COMPLETED BY THE SITE CONTRACTOR.
- ALL CONCRETE SHALL BE CLASS A UNLESS OTHERWISE SPECIFIED.
- THE DEVELOPER WILL UTILIZE A REGISTERED GEO-TECHNICAL ENGINEER TO TEST, VERIFY AND REPORT TO PROVIDE SATISFACTORY ASSURANCE OF EMBANKMENT AND PAVEMENT STABILITY. ALL EMBANKMENT, RETAINING WALL SECTIONS WILL BE TESTED AT ONE (1) FOOT LAYERS.
- ANY UNSUITABLE SOILS AND OTHER MATERIALS ENCOUNTERED DURING CONSTRUCTION OF THE ROADWAY SECTION WILL BE REMOVED TO THE DEPTH AND WIDTH SPECIFIED BY THE ENGINEER. THE EXCAVATION WILL BE BACKFILLED WITH SELECTED MATERIALS AND COMPACTED IN ACCORDANCE WITH EMBANKMENT SPECIFICATIONS.

### GRADING NOTES:

- ALL EXCESS MATERIAL SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR. THE SITE CONTRACTOR IS TO COORDINATE WITH THE CLIENT ON PLACEMENT OF STOCKPILE. NO AREA OUTSIDE THE LIMITS OF DISTURBANCE SHALL BE DISTURBED BY THE SITE CONTRACTOR.
- SITE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION.
- SITE GRADING SHALL NOT COMMENCE UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND A SITE DISTURBANCE PERMIT HAS BEEN APPROVED.
- SITE CONTRACTOR SHALL BE RESPONSIBLE FOR HAULING OFF ANY EXCESS MATERIAL.

### CONSTRUCTION/EROSION CONTROL PHASING SEQUENCE:

THE FOLLOWING PHASING IS SUGGESTED BUT IS SUBJECT TO CHANGE UPON THE SELECTION OF A SITE CONTRACTOR THAT MAY PROPOSE A MORE FEASIBLE PLAN. ANY CHANGES TO THE APPROVED EPSC PLAN MAY RESULT IN REQUIRING REDLINE PLANS TO BE SUBMITTED FOR REVIEW AND APPROVAL BY MSD.

- INSTALL SILT FENCE AND TEMPORARY GRAVEL CONSTRUCTION ENTRANCE PER THE ROADWAY CONSTRUCTION PLANS.
- DEMOLISH THE EXISTING DRIVEWAY PER THE ROADWAY CONSTRUCTION PLANS.
- CONTRACTOR TO PREPARE GRADING FOR ROADWAY AND SIDEWALK CONSTRUCTION PLANS AND INSTALL CONCRETE WASHOUT.
- INSTALL STONE SUBGRADE, CURBS, PAVEMENT AND SIDEWALK AS SHOWN ON CONSTRUCTION PLANS.
- CONTRACTOR SHALL STABILIZE SITE PRIOR TO THE RELEASE OF THE SITE DISTURBANCE PERMIT.
- ALL EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL SITE DISTURBANCE PERMIT IS RELEASED.

### TEMPORARY CONSTRUCTION ENTRANCE:

- CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY.
- MAKE DAILY INSPECTIONS DURING WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET CONDITIONS.
- RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
- WASH OR REPLACE STONE AS NEEDED AND AS DIRECTED BY THE INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFFSITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF THE STONE.
- IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.
- REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS IT IS NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.



C. R. P. & ASSOCIATES, INC.  
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Louisville, KY 40222  
(502)423-8747

OWNER/FOR:  
**VENTURE 604, LLC**  
3306 MOUNT SHASTA WAY  
LOUISVILLE, KY 40241-6214

PROJECT  
MILLER AVENUE EXTENSION  
604 EASTERN PARKWAY  
LOUISVILLE, KY 40217  
D.B. 10296, PG. 986  
T.B. 083B, LOT 160

COVER, ROADWAY,  
SITE, GRADING/EPSC, ROAD  
PROFILE PLAN  
AND STANDARD DETAILS

NO.	DESCRIPTION	BY
1	DESIGN SERVICES	
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DATE 10.16.16  
SHEET NO. 1 OF 1