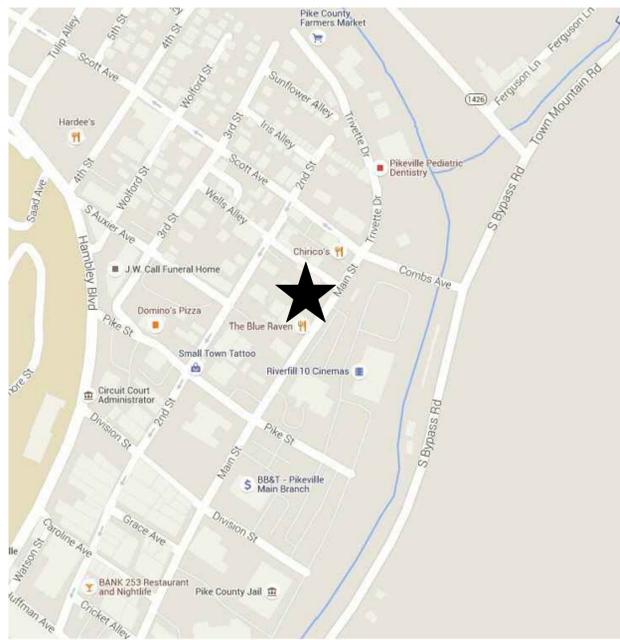


CIVIL ENGINEERING PLAN FOR THE YORK HOUSE SITE IMPROVEMENTS

PIKEVILLE, KY 41501

VICINITY MAP



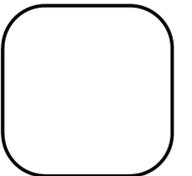
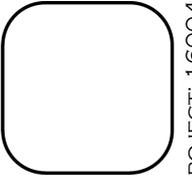
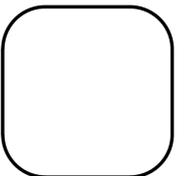
OWNER

THE CITY OF PIKEVILLE
243 MAIN STREET
PIKEVILLE, KY 41501
PHONE (606) 437-5100
WWW.PIKEVILLEKY.GOV

INDEX

DRAWING NAME

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- C2 EXISTING CONDITIONS AND DEMOLITION PLAN
- C3 SWPPP PLAN
- C4 GRADING AND DRAINAGE PLAN
- C5 SITE DETAILS



PROJECT: 160046



INTEGRATED ENGINEERING, PLLC
166 PROSPEROUS PL - SUITE 220
LEXINGTON, KY 40509
PHONE (859) 368-0145
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GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIAL, EQUIPMENT, TOOLS, AND SERVICES REQUIRED TO COMPLETE CONSTRUCTION. ALL WORK SHALL BE PERFORMED IN A SAFE AND REASONABLE WORKING MANNER IN ACCORDANCE WITH THE BEST PRACTICES AND PROCEDURES. OWNER SHALL PERFORM CONCRETE TESTING.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL, ORDINANCES, REGULATIONS AND REQUIREMENTS NECESSARY TO COMPLETE THE WORK; THIS INCLUDES PROVISIONS FOR MAINTENANCE OF TRAFFIC, CONSTRUCTION AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).
3. ALL CONSTRUCTION METHODS, MATERIALS AND WORK ACTIVITIES SHALL BE IN ACCORDANCE WITH THE KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS AND 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.
4. 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) 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 AND WATER LINES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS.
5. SHOULD ANY EXISTING DRAINAGE STRUCTURES AND/OR UTILITIES WITHIN THE RIGHT OF WAY NEED TO BE RELOCATED, EXTENDED OR OTHERWISE ALTERED, IT WILL BE AT THE CONTRACTORS' EXPENSE.
6. ALL SOIL EROSION CONTROL AND PREVENTION, AND STORM WATER DRAINAGE WORK AND SANITARY SEWER CONSTRUCTION SHALL CONFORM TO CITY OF PIKEVILLE ORDINANCES.

SIDEWALKS, CURBS, DRAINAGE

7. ALL H.D.P.E. STORM SEWER PIPE TO BE WATERTIGHT CONSTRUCTION AND UNLESS OTHERWISE SPECIFIED, A MINIMUM OF 12" DIAMETER H.D.P.E. AND ALL STORM DRAINS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH KYTC SPECIFICATIONS.
8. A MINIMUM TWELVE (12) INCH DEPTH OF COVER OVER ALL STORM PIPES IS REQUIRED.
9. BACKFILL AROUND DRAINAGE STRUCTURES AND TRENCH BACKFILL SHALL BE IN ACCORDANCE WIT PLAN DETAILS & MANUFACTURER REQUIREMENTS.
10. ALL ROADSIDE DRAINAGE DITCHES WILL BE GRADED AND SHAPED TO PROVIDE POSITIVE DRAINAGE AND SEEDED OR LINED AS SHOWN IN THE PLANS. ALL CROSS DRAIN CULVERT PIPES WILL BE CONSTRUCTED TO THE ELEVATION SHOWN IN THE PLANS AND TO DRAIN.
11. THE CONTRACTOR MAY USE PRECAST STORM DRAINAGE STRUCTURES IF PURCHASED FROM A SUPPLIER APPROVED BY KYTC.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MINIMUM OF 12" SOIL BELOW FINAL GRADE AND ESTABLISHMENT OF A VEGETATED GRASS SURFACE SUITABLE FOR MOWING.
13. WHEN SIDEWALK ELEVATIONS DEVIATE SLIGHTLY FROM THE PROPOSED CONSTRUCTION PLANS ELEVATIONS, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR THE ADJUSTMENT OF THE UTILITY COVER, PAD OR GRATE OR REMOVE THE SIDEWALK AND RECONSTRUCT AT PROPER ELEVATION.

HAZARDOUS MATERIAL

14. IF ANY CONSTRUCTION PERSONNEL ENCOUNTER ANY MATERIAL WHICH THEY SUSPECT MIGHT BE HAZARDOUS OR TOXIC, THEY SHALL STOP WORK IMMEDIATELY AND ADVISE THE OWNER. THE CONTRACTOR SHALL TAKE IMMEDIATE AND APPROPRIATE ACTION TO PROTECT THE PUBLIC AND WORKERS IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES AND REGULATIONS. THE ENGINEER SHALL HAVE NO RESPONSIBILITY FOR DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL AND OR EXPOSURE OF PERSONS TO ANY HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE.
15. THE CONTRACTOR IS HEREBY ADVISED THAT INTEGRATED ENGINEERING IS NOT A DESIGN PROFESSIONAL IN THE DETERMINATION OF THE PRESENCE OF HAZARDOUS MATERIALS, OR IN MAKING RECOMMENDATIONS REGARDING THE TESTING, REMOVAL, ENCAPSULATION OR OTHER CORRECTIVE MEASURES PERTAINING TO HAZARDOUS MATERIALS.
16. BY EXECUTION OF THE CONTRACT FOR CONSTRUCTION, THE CONTRACTOR HEREBY AGREES TO BRING NO CLAIM FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY OR OTHERWISE AGAINST THE ENGINEER, HIS PRINCIPALS, EMPLOYEES, AGENTS, OR CONSULTANTS, IF SUCH A CLAIM IN ANY WAY WOULD INVOLVE THE INVESTIGATION OF OR REMEDIAL WORK RELATED TO HAZARDOUS MATERIALS ENCOUNTERED DURING THE PROJECT.
17. BY EXECUTION OF THE CONTRACT FOR CONSTRUCTION, THE CONTRACTOR AGREES TO DEFEND, INDEMNIFY AND HOLD THE ENGINEER, HIS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH HAZARDOUS MATERIALS RELATED CLAIMS THAT MAY BE BROUGHT BY THE CONTRACTORS, SUBCONTRACTORS, SUPPLIERS OR ANY THIRD PARTIES WHO MAY BE ACTING UNDER THE DIRECTION OF THE CONTRACTOR PURSUANT TO THIS PROJECT.

UTILITY RELOCATION NOTE

18. EXISTING UTILITIES SHALL BE RELOCATED AS NECESSARY DURING CONSTRUCTION TO PROVIDE UNINTERRUPTED SERVICE.
19. CONTRACTOR SHALL VERIFY ALL LOCATIONS (HORIZONTAL AND VERTICAL) PRIOR TO CONSTRUCTION ACTIVITIES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY COORDINATION. FURTHER, UTILITY AND LIGHT POLE RELOCATION HAVE BEEN PERFORMED BY A UTILITY COMPANY PRE-APPROVED CONTRACTOR.

CONSTRUCTION NOTES AS APPLICABLE

21. ALL DISTURBED AREAS OUTSIDE OF HARDSCAPE AND LANDSCAPE AREAS SHALL BE SEEDED AND STRAWED AT A RATE OF 10 LBS. PER 1000 SQ. FT. WITH A MIXTURE OF 90% FESCUE AND 20% ANNUAL RYE, UNLESS OTHERWISE INDICATED ON PLAN. AMEND SOIL TO PROMOTE HEALTHY GRASS GROWTH WITH TEST SOIL TO DETERMINE PROPER SOIL AMENDMENTS. SOIL TEST TO BE PERFORMED BY PROPER TESTING AGENCY.
22. WHEN ROCK IS ENCOUNTERED NEAR PAVEMENT DRAINAGE SYSTEM BED ELEVATION, THE MATERIALS WILL BE EXCAVATED TO MINIMUM DEPTH OF FOUR (4 INCHES) BELOW SUBBASE ELEVATION. THE ROCK SURFACE SLOPED TO DRAIN, BACKFILLED WITH SELECT MATERIALS AND COMPACTED IN ACCORDANCE WITH THE KENTUCKY STANDARD SPECIFICATIONS FOR ROADS & BRIDGES. ANY OTHER UNSUITABLE MATERIALS ENCOUNTERED SHALL BE REMOVED TO A DEPTH AND WIDTH AND BACKFILLED WITH ACCEPTABLE MATERIALS AT THE DIRECTIONS OF THE ENGINEER OR CITY OF PIKEVILLE.
23. ANY UNSUITABLE SOILS AND OTHER MATERIALS ENCOUNTERED DURING CONSTRUCTION WILL BE REMOVED TO THE DEPTH AND WIDTH SPECIFIED BY THE ENGINEER OR CITY OF PIKEVILLE. THE EXCAVATION WILL BE BACKFILLED WITH SELECTED MATERIALS AND COMPACTED IN ACCORDANCE WITH EMBANKMENT SPECIFICATIONS.
24. ACTIONS SHALL 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. ANY WORK PERFORMED BY A PUBLIC AGENCY TO CORRECT THE CONDITIONS WILL BE CHARGED TO THE CONTRACTOR.
25. 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 AT NO ADDITIONAL EXPENSE TO OWNER/ENGINEER. A WALK-THROUGH FIELD INSPECTION OF THE SITE WILL BE REQUIRED PRIOR TO THE BEGINNING OF CONSTRUCTION WORK.
26. CONTRACTOR TO FIELD VERIFY ALL LOCATIONS AND DEPTHS OF EXISTING STORM / SANITARY STRUCTURES PRIOR TO BEGINNING CONSTRUCTION TO INSURE ADEQUATE DEPTH.
27. ALL UNSUITABLE MATERIAL INCLUDING CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIAL, CONCRETE WASHOUT MATERIAL AND OTHER DISCARDED MATERIAL SHALL BE REMOVED AND PROPERLY DISPOSED OF AND NOT USED IN SITE CONSTRUCTION.
29. CONTRACTOR SHALL INSTALL SILT FENCE IN ACCORDANCE WITH DETAILS, WHERE APPLICABLE. CONTRACTOR SHALL PROVIDE INLET PROTECTION TO EXISTING AND PROPOSED INLETS IN ACCORDANCE WITH DETAILS.
30. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASUREMENTS SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14-CALENDER DAYS AFTER THE ACTIVITY HAS CEASED.
31. SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, AND SWALE CATCH BASIN.
32. ANY UNSUITABLE SOILS AND OTHER MATERIALS ENCOUNTERED DURING CONSTRUCTION OF THE PROJECT WILL BE REMOVED TO THE DEPTH SPECIFIED BY THE ENGINEER.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR FILING NOI (NOTICE OF INTENT) WITH KY DIVISION OF WATER A MINIMUM OF 2 WEEKS PRIOR TO CONSTRUCTION.
34. ANY UTILITY APPURTENANCES ENCOUNTERED SHALL BE RAISED TO FINISH GRADE. THIS ITEM OF WORK SHALL BE INCIDENTAL TO THE CONTRACT.
35. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY COMMENCING.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL AND EROSION CONTROL AND DUST CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE MEASURES THROUGHOUT THE CONSTRUCTION PERIOD TO PREVENT EROSION OF SOIL AND ENTRY OF SOIL-BEARING WATER AND AIRBORNE DUST ONTO ADJACENT PROPERTIES AND INTO THE PUBLIC STORM WATER FACILITIES. SOIL AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH CITY OF PIKEVILLE ORDINANCES.
37. EXCAVATION AND DISPOSAL OF MATERIAL SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND ENVIRONMENTAL REGULATIONS. IF CONTAMINATED SOIL OR OTHER ENVIRONMENTAL HAZARD IS ENCOUNTERED; THE CONTRACTOR SHALL CEASE EXCAVATION ACTIVITIES AND NOTIFY THE OWNER AND ENGINEER IMMEDIATELY.
38. CONTRACTOR SHALL ADJUST ELEVATION OF ANY SURFACE FEATURE (RIM, GRATE, HEAD, ETC.) AS AFFECTED BY CONSTRUCTION OR GRADING.
39. CONTRACTOR SHALL PERFORM ALL MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH STATE AND LOCAL STANDARDS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION), IF NECESSARY.
40. CONTRACTOR SHALL FIELD VERIFY ALL SLOPES, GRADES, AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. SHOULD CONTRACTOR PROCEED WITHOUT FIELD VERIFICATION, CONTRACTOR DOES SO AT OWN RISK.
41. CONTRACTOR SHALL UTILIZE A LICENSED/REGISTERED PROFESSIONAL LAND SURVEYOR FOR LAYOUT OF PROJECT AND FOR THE GENERATION OF ASBUILTS.
42. KYTC STANDARDS SHALL APPLY TO ALL CONSTRUCTION. SHOULD A CONFLICT EXIST BETWEEN THE CONSTRUCTION DOCUMENTS AND THE KYTC STANDARD DETAILS, THE CONTRACTOR SHALL BID THE MOST EXPENSIVE OF THE OPTIONS.
43. ADJUSTMENT OF UTILITY ITEMS INCLUDING, BUT NOT LIMITED TO, MANHOLE RIMS, VALVES, VALVE BOXES, GAS BOXES, CURB INLETS, GRATES, COVERS, JUNCTION BOXES, ETC. SHALL BE INCIDENTAL TO THE CONTRACT.
44. TREES SHALL BE REMOVED AS NECESSARY. TREES THAT REQUIRE PRUNING SHALL BE PRUNED TO ALLOW A CLEAR AIRSPACE OF 108 INCHES (9 FT) ABOVE THE SIDEWALK. TREE REMOVAL AND PRUNING SHALL BE INCIDENTAL TO THE OVERALL CONSTRUCTION.
45. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS
46. TRACK MOUNTED EQUIPMENT SHALL NOT BE USED ON PRIVATE DRIVEWAYS, RUBBER WHEELS ONLY. ANY DAMAGE TO PRIVATE DRIVES DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF PROPERTY OWNER AT NO ADDITIONAL COST TO CITY OF PIKEVILLE OR THE ENGINEER.
47. THE CONTRACTOR SHALL ADHERE TO THE STORMLOCK PERMEABLE CONCRETE PAVERS SPECIFICATION PROVIDED IN THE CONTRACT DOCUMENTS.

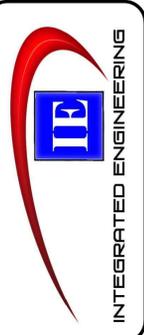
GENERAL DEMOLITION NOTES

48. THE INTENT OF THIS PROJECT IS TO SELECTIVELY REMOVE ELEMENTS IN THE PROJECT AREA WITHIN THE DEMOLITION LIMITS, INCLUDING, BUT NOT LIMITED TO, VEGETATION, PAVED AREAS CURB, GUTTER, AND SIDEWALKS.
49. IT IS NOT THE INTENT OF THIS CONTRACT TO UNNECESSARILY STRIP TOPSOIL IN AREAS UNAFFECTED BY DEMOLITION OPERATIONS.
50. THE CONTRACTOR SHALL HAVE THE UTILITY COMPANY LOCATE THE BURIED LINES.
51. ALL EXCESS DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY IN A LANDFILL, APPROVED BY AN AGENCY HAVING JURISDICTION, UNLESS OTHERWISE NOTED.
52. THE FINISH GRADE OF THE BACKFILL SHALL MATCH THE EXISTING ELEVATIONS ADJACENT TO THE TRAILS AND SIDEWALKS AND SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE TO EXISTING AND PROPOSED DRAINAGE STRUCTURES AND DETENTION FACILITIES.
53. PROVIDE SILT AND EROSION CONTROL IN ACCORDANCE WITH STATE AND CITY OF PIKEVILLE ORDINANCES. REFER TO THE CITY OF PIKEVILLE EROSION AND SEDIMENT CONTROL ORDINANCE
54. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS NOT TO DAMAGE EXISTING PAVING, SIDEWALKS AND CURBS WHERE NOTED TO REMAIN. IF THE PAVING, SIDEWALKS AND/OR CURBS ARE DAMAGED, THE CONTRACTOR SHALL REPAIR THEM PER THE SPECIFICATIONS OF AUTHORITIES HAVING JURISDICTION.
55. REMOVE TREES, SHRUBS AND BUSHES (INCLUDING ROOTS) WHERE NOTED ON PLANS. INCLUDE IN THE BASE BID THE COST TO COMPLETELY REMOVE AND HAUL OFF ALL TREES TO BE REMOVED. BACKFILL THESE AREAS IN ACCORDANCE WITH KYTC EARTHWORK SPECIFICATION TO AN ELEVATION TO MATCH ADJACENT EXISTING ELEVATION.
56. PROVIDE BARRICADES AROUND TREES TO REMAIN THAT MAY BE DAMAGED DUE TO OFF-SITE FILL MATERIAL WILL BE REQUIRED FOR BACKFILLING. FILL MATERIAL SHALL BE TESTED AND PLACED PER KYTC SPECIFICATIONS.
57. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING THE COST OF ALL PERMITS AND FEES REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL PAY FOR ALL FEES, INCLUDING, BUT NOT LIMITED TO, HIGHWAY FEES, UTILITY SERVICE FEES (PLUMBING, ELECTRICAL, SANITARY TAP, ETC.), MANHOLE ADJUSTMENT FEES, STREET CUT PERMIT FEES, TRAFFIC CONTROL PLAN, TRAFFIC CONTROL PERMITS, AND FOR ALL RELOCATION COSTS AND/OR RELOCATION FEES, AND FOR ALL DAMAGES TO SIDEWALKS, STREETS AND/OR OTHER PUBLIC PROPERTY.
58. WHERE PAVEMENT, WALKS, CURBS ETC. ARE TO BE DEMOLISHED, SAWCUT EDGE AT ALL AREAS ADJACENT TO ITEMS INDICATED TO REMAIN TO PROVIDE CLEAN, STRAIGHT EDGE. PAVEMENT SHALL BE REPAIRED WITH FULL DEPTH PAVEMENT. PAVEMENT REPAIR/RECONSTRUCTION SHALL BE INCIDENTAL TO SIDEWALK RAMP CONSTRUCTION.
59. ALL REMOVED SANDSTONE SHALL BE PROPERLY STOCKPILES ON THE SITE AS SHOWN ON THE PLANS FOR FUTURE RE-USE BY THE CITY OF PIKEVILLE.

GENERAL GRADING AND DRAINAGE NOTES

1. ALL LENGTHS OF STORM SEWER PIPING ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PIPE MATERIALS AS NECESSARY TO COMPLETE THE STORM SEWER SYSTEM AS REQUIRED.
2. ALL STORM SEWER TRENCHING SHALL BE IN ACCORDANCE WITH THE KYTC OR MANUFACTURERS SPECIFICATIONS AND DETAILS.
3. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
4. ADJUST ALL SEWER AND DRAIN FRAMES AND GRATES OR COVERS TO FINISH GRADE.
5. CONCRETE SHALL CONFORM TO ALL KYTC REGULATIONS FOR ALL CONCRETE DRAINAGE STRUCTURES.
6. PLACE PIPE TO THE GRADES AND ALIGNMENT AS SHOWN ON DRAWINGS WITH THE FOLLOWING TOLERANCES:
HORIZONTALLY ± 0.10'
VERTICALLY ± 0.05'
7. AREAS THAT WILL SUPPORT FOUNDATIONS, FLOORS, PAVEMENTS, OR NEW ENGINEERED FILL SHALL BE PROPERLY PREPARED AS SPECIFIED IN ACCORDANCE WITH KYTC SPECIFICATIONS. ALL TOPSOIL AND OTHER UNSUITABLE MATERIALS SHALL BE REMOVED. UNSUITABLE MATERIALS INCLUDE FROZEN SOIL, SOFT UNSTABLE MATERIAL AND MISCELLANEOUS FILL.
8. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING AROUND THE PERIMETER OF THE HOUSE TO NOT DAMAGE OR COMPROMISE ITS EXISTING FOUNDATION.
9. CARE MUST BE EXERCISED DURING GRADING AND FILL PLACEMENT OPERATIONS. THE COMBINATION OF CONSTRUCTION EQUIPMENT TRAFFIC AND EXCESS SURFACE MOISTURE CAN CAUSE PUMPING AND DETERIORATION OF THE NEAR SURFACE SOILS. THE SEVERITY OF THIS POTENTIAL PROBLEM DEPENDS TO A GREAT EXTENT ON THE WEATHER CONDITIONS PREVAILING DURING CONSTRUCTION. THE CONTRACTOR MUST EXERCISE DISCRETION WHEN SELECTING EQUIPMENT SIZES AND ALSO MAKE A CONCERTED EFFORT TO CONTROL SURFACE WATER WHILE THE SUBGRADE SOILS ARE EXPOSED. IF SUCH PROBLEMS DO ARISE, THE ENGINEER SHOULD BE CONTACTED TO EVALUATE THE CONDITION.
10. COMPACTION OF ANY FILL BY FLOODING SHALL NOT BE PERMITTED. DURING WET AND RAINY PERIODS, AERATION IS OFTEN NECESSARY TO BRING THE FILL MATERIALS TO THE REQUIRED MOISTURE CONDITION. DURING DRY PERIODS, WATER MAY NEED TO BE ADDED TO BRING THE SOILS UP TO THE PROPER MOISTURE CONTENT FOR COMPACTION. THE ON SITE CLAY SOILS MAY REQUIRE AERATION EVEN DURING DRY PERIODS. FILL MATERIAL SHALL NOT BE PLACED OVER FROZEN OR SATURATED MATERIALS, EITHER NATURAL OR FILLED.
11. THE SITE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL OTHER UTILITIES PRIOR TO CONSTRUCTION, AND SHALL CLOSELY MONITOR UTILITY INSTALLATION BY OTHERS.
12. EXCAVATION, ROCK REMOVAL, TOPSOIL STOCKPILES, BERMS, UTILITY TRENCHES, AND OTHER ASPECTS OF CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE OSHA REGULATIONS 1926.650-652.
13. SITE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OR CITY OF PIKEVILLE OF ANY DISCREPANCIES FOUND BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
14. THE PRINCIPLES OF POSITIVE DRAINAGE SHOULD BE APPLIED UNIVERSALLY ACROSS THE SITE. WATER SHOULD BE MOVED AWAY FROM THE STRUCTURES. WATER SHOULD NOT BE ALLOWED TO POND AT LOW POINTS OR IN LOW AREAS. FINISH SUBGRADE TO REQUIRED ELEVATION WITHIN THE FOLLOWING TOLERANCES:

LAWN OR UNPAVED AREAS: PLUS OR MINUS 0.1 FT.
SIDEWALKS: PLUS OR MINUS 0.1FT.
PAVEMENT: PLUS OR MINUS 0.05FT.
15. AFTER COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM SITE CLEANUP TO REMOVE ALL TRASH, DEBRIS, EXCESS MATERIALS, EQUIPMENT, AND OTHER DELETERIOUS MATERIALS ASSOCIATED WITH CONSTRUCTION. THE SITE CONTRACTOR IS EXPRESSLY RESPONSIBLE FOR ENSURING THE SITE IS CLEAN AND IN USABLE CONDITION AT THE TIME OF FINAL ACCEPTANCE.



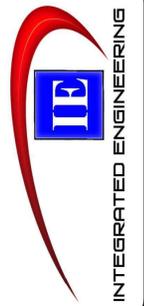
THE YORK HOUSE
SITE IMPROVEMENTS
MAIN STREET - PIKEVILLE, KY 41501
PIKE COUNTY, KENTUCKY
CITY OF PIKEVILLE
243 MAIN STREET - PIKEVILLE, KY 41501
P. (606) 437-5100
OWNER

PROJECT NO.:
160046
DATE:
JULY 2016
DRAWN BY:
CFS
CHECKED BY:
EM

DESCRIPTION OF REVISION

CONSTRUCTION NOTES

SHEET No.
C1



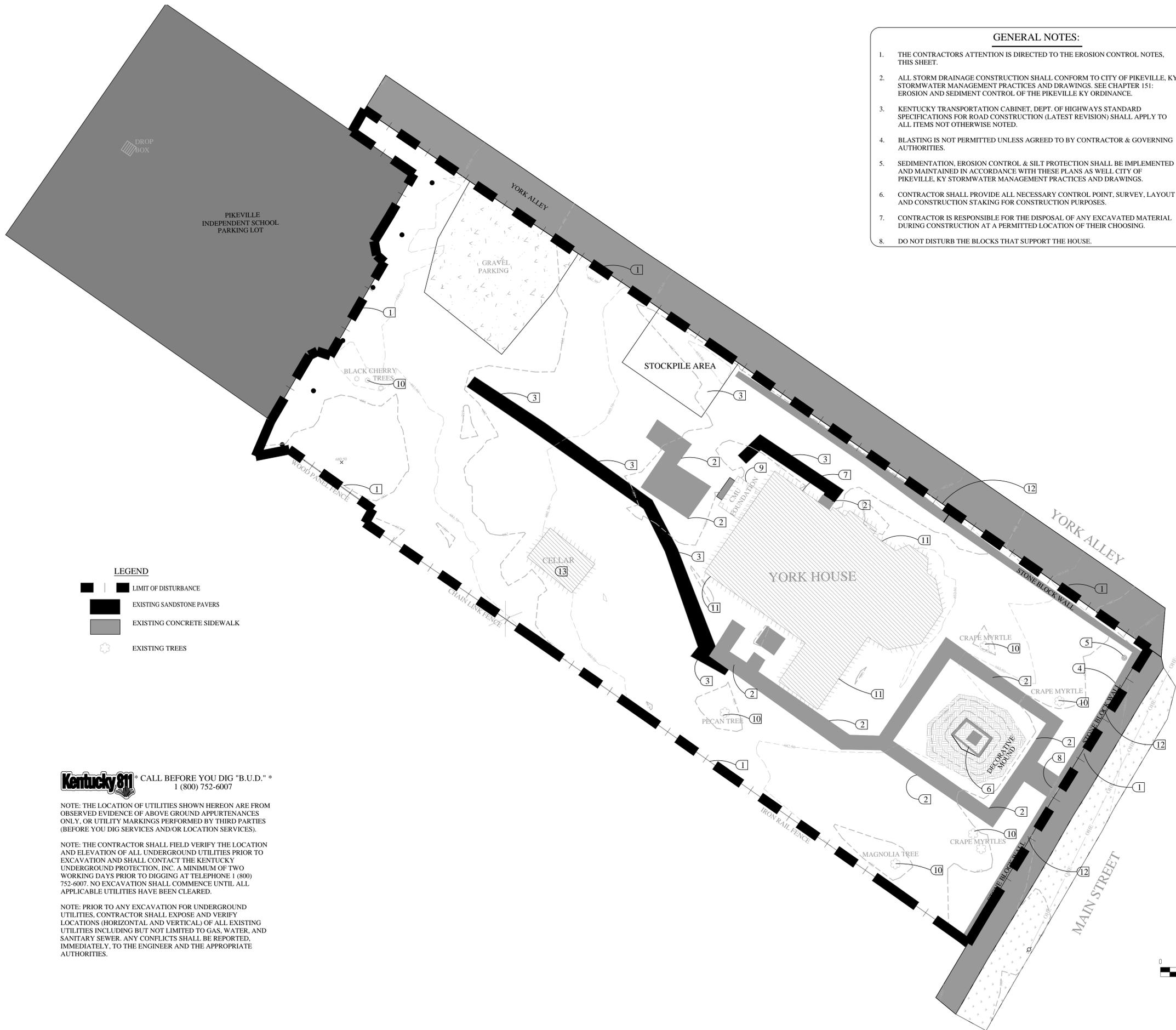
**THE YORK HOUSE
SITE IMPROVEMENTS**
MAIN STREET - PIKEVILLE, KY 41501
PIKE COUNTY, KENTUCKY
CITY OF PIKEVILLE
243 MAIN STREET - PIKEVILLE, KY 41501
P (606) 437-5100
OWNER

PROJECT NO.: 160046
DATE: JULY 2016
DRAWN BY: CFS
CHECKED BY: EM

DESCRIPTION OF REVISION

**EXISTING CONDITIONS
AND DEMOLITION PLAN**

SHEET No.
C2



GENERAL NOTES:

1. THE CONTRACTORS ATTENTION IS DIRECTED TO THE EROSION CONTROL NOTES, THIS SHEET.
2. ALL STORM DRAINAGE CONSTRUCTION SHALL CONFORM TO CITY OF PIKEVILLE, KY STORMWATER MANAGEMENT PRACTICES AND DRAWINGS. SEE CHAPTER 151: EROSION AND SEDIMENT CONTROL OF THE PIKEVILLE KY ORDINANCE.
3. KENTUCKY TRANSPORTATION CABINET, DEPT. OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION (LATEST REVISION) SHALL APPLY TO ALL ITEMS NOT OTHERWISE NOTED.
4. BLASTING IS NOT PERMITTED UNLESS AGREED TO BY CONTRACTOR & GOVERNING AUTHORITIES.
5. SEDIMENTATION, EROSION CONTROL & SILT PROTECTION SHALL BE IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THESE PLANS AS WELL CITY OF PIKEVILLE, KY STORMWATER MANAGEMENT PRACTICES AND DRAWINGS.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY CONTROL POINT, SURVEY, LAYOUT AND CONSTRUCTION STAKING FOR CONSTRUCTION PURPOSES.
7. CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF ANY EXCAVATED MATERIAL DURING CONSTRUCTION AT A PERMITTED LOCATION OF THEIR CHOOSING.
8. DO NOT DISTURB THE BLOCKS THAT SUPPORT THE HOUSE.

LEGEND

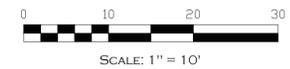
- LIMIT OF DISTURBANCE
- EXISTING SANDSTONE PAVERS
- EXISTING CONCRETE SIDEWALK
- EXISTING TREES

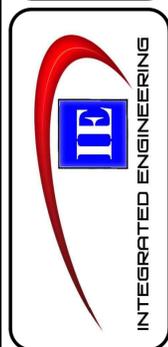
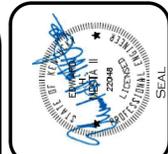
Kentucky 811 * CALL BEFORE YOU DIG "B.U.D." *
1 (800) 752-6007

NOTE: THE LOCATION OF UTILITIES SHOWN HEREON ARE FROM OBSERVED EVIDENCE OF ABOVE GROUND APPURTENANCES ONLY, OR UTILITY MARKINGS PERFORMED BY THIRD PARTIES (BEFORE YOU DIG SERVICES AND/OR LOCATION SERVICES).

NOTE: THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION AND SHALL CONTACT THE KENTUCKY UNDERGROUND PROTECTION, INC. A MINIMUM OF TWO WORKING DAYS PRIOR TO DIGGING AT TELEPHONE 1 (800) 752-6007. NO EXCAVATION SHALL COMMENCE UNTIL ALL APPLICABLE UTILITIES HAVE BEEN CLEARED.

NOTE: PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED, IMMEDIATELY, TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.





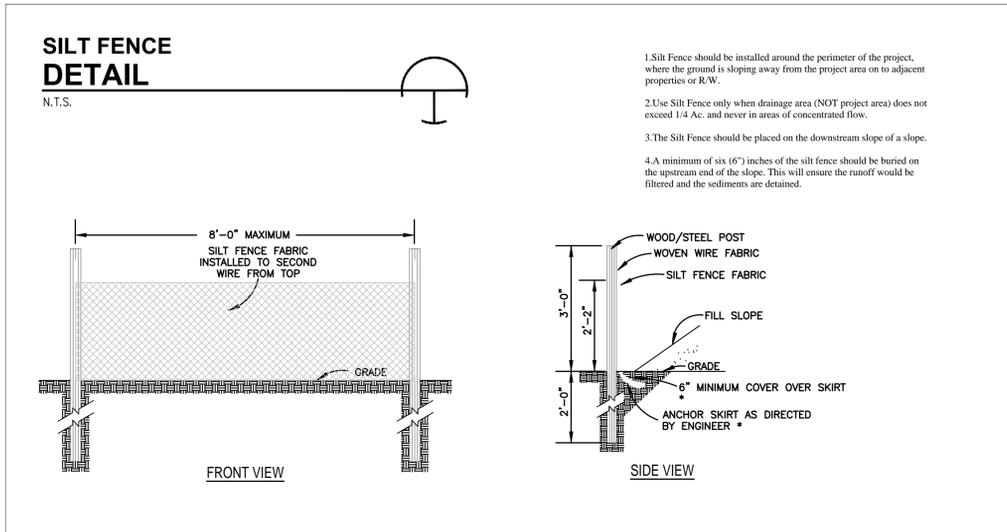
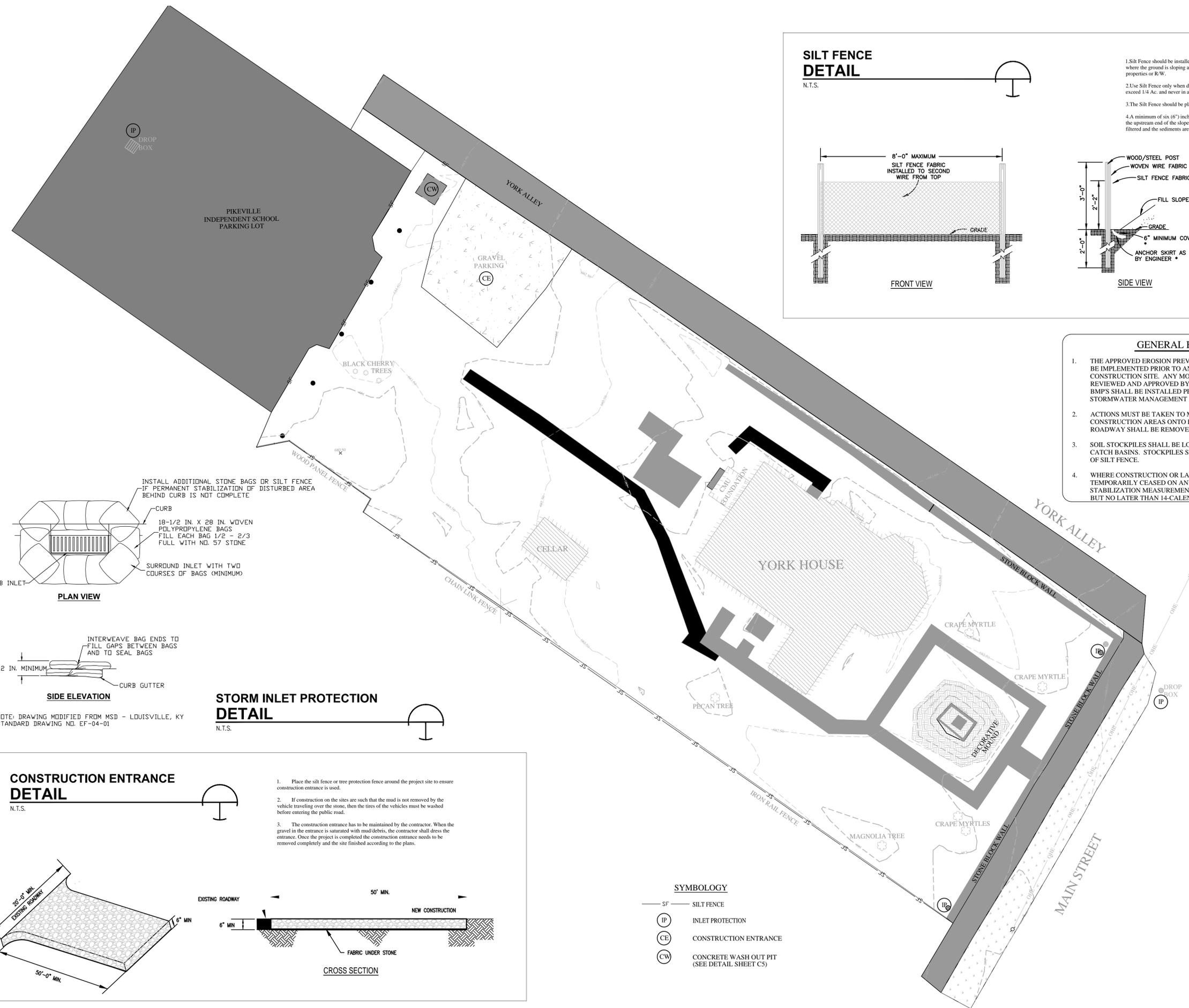
THE YORK HOUSE
SITE IMPROVEMENTS
 MAIN STREET - PIKEVILLE, KY 41501
 PIKE COUNTY, KENTUCKY
CITY OF PIKEVILLE
 243 MAIN STREET - PIKEVILLE, KY 41501
 P. (606) 437-5100
 OWNER

PROJECT NO.: 160046
 DATE: JULY 2016
 DRAWN BY: CFS
 CHECKED BY: EM

NO.	DESCRIPTION OF REVISION

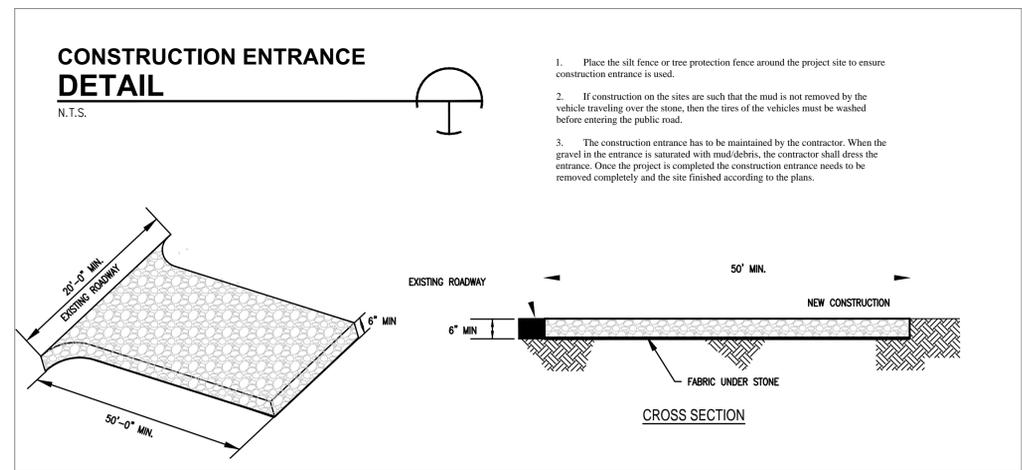
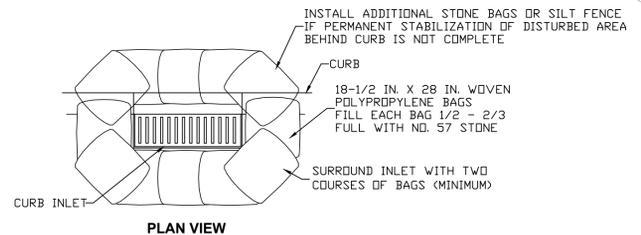
SWPPP PLAN

SHEET NO.
C3

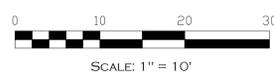


1. Silt Fence should be installed around the perimeter of the project, where the ground is sloping away from the project area to adjacent properties or R/W.
2. Use Silt Fence only when drainage area (NOT project area) does not exceed 1/4 Ac. and never in areas of concentrated flow.
3. The Silt Fence should be placed on the downstream slope of a slope.
4. A minimum of six (6") inches of the silt fence should be buried on the upstream end of the slope. This will ensure the runoff would be filtered and the sediments are detained.

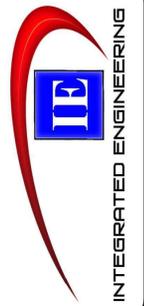
- ### GENERAL EROSION CONTROL NOTES:
1. THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY THE ENGINEER FOR THE CITY OF PIKEVILLE, KY. EPSC BMP'S SHALL BE INSTALLED PER THE PLAN AND CITY OF PIKEVILLE, KY STORMWATER MANAGEMENT PRACTICES.
 2. 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.
 3. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES SHALL ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.
 4. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASUREMENTS SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14-CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.



- ### SYMBOLOLOGY
- SF SILT FENCE
 - IP INLET PROTECTION
 - CE CONSTRUCTION ENTRANCE
 - CW CONCRETE WASH OUT PIT (SEE DETAIL SHEET C5)



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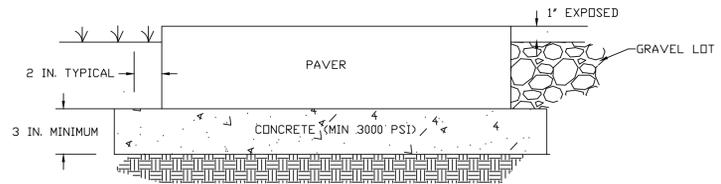
GRADING AND DRAINAGE PLAN

SHEET NO.

C4

UTILITY PROTECTION 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) 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 AND WATERLINES). WHEN CONTACTING THE KENTUCKY 811 CALL CENTER, PLEASE STATE THAT THE WORK TO BE DONE IS FOR A CITY OF PIKEVILLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS.

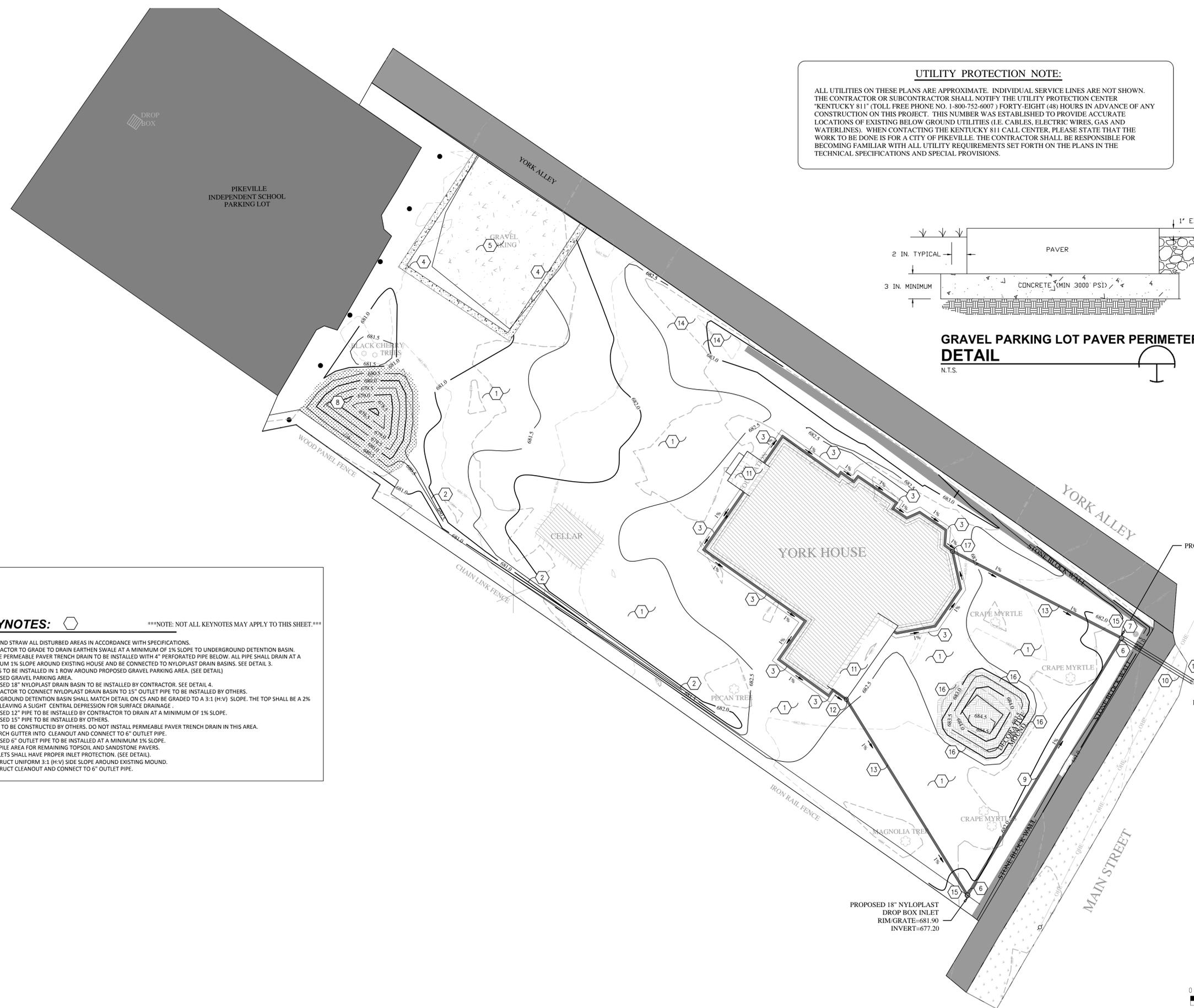


**GRAVEL PARKING LOT PAVER PERIMETER
DETAIL**
N.T.S.

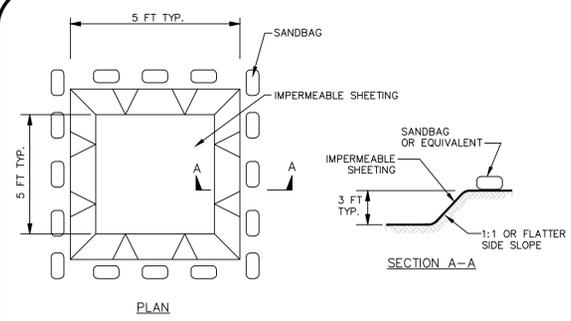
- KEYNOTES:** ***NOTE: NOT ALL KEYNOTES MAY APPLY TO THIS SHEET.***
- SEED AND STRAW ALL DISTURBED AREAS IN ACCORDANCE WITH SPECIFICATIONS.
 - CONTRACTOR TO GRADE TO DRAIN EARTHEN SWALE AT A MINIMUM OF 1% SLOPE TO UNDERGROUND DETENTION BASIN.
 - 2' WIDE PERMEABLE PAVER TRENCH DRAIN TO BE INSTALLED WITH 4" PERFORATED PIPE BELOW. ALL PIPE SHALL DRAIN AT A MINIMUM 1% SLOPE AROUND EXISTING HOUSE AND BE CONNECTED TO NYLOPLAST DRAIN BASINS. SEE DETAIL 3.
 - PAVERS TO BE INSTALLED IN 1 ROW AROUND PROPOSED GRAVEL PARKING AREA. (SEE DETAIL)
 - PROPOSED GRAVEL PARKING AREA.
 - PROPOSED 18" NYLOPLAST DRAIN BASIN TO BE INSTALLED BY CONTRACTOR. SEE DETAIL 4.
 - CONTRACTOR TO CONNECT NYLOPLAST DRAIN BASIN TO 15" OUTLET PIPE TO BE INSTALLED BY OTHERS.
 - UNDERGROUND DETENTION BASIN SHALL MATCH DETAIL ON C5 AND BE GRADED TO A 3:1 (H:V) SLOPE. THE TOP SHALL BE A 2% SLOPE LEAVING A SLIGHT CENTRAL DEPRESSION FOR SURFACE DRAINAGE.
 - PROPOSED 12" PIPE TO BE INSTALLED BY CONTRACTOR TO DRAIN AT A MINIMUM OF 1% SLOPE.
 - PROPOSED 15" PIPE TO BE INSTALLED BY OTHERS.
 - PORCH TO BE CONSTRUCTED BY OTHERS. DO NOT INSTALL PERMEABLE PAVER TRENCH DRAIN IN THIS AREA.
 - TIE PORCH GUTTER INTO CLEANOUT AND CONNECT TO 6" OUTLET PIPE.
 - PROPOSED 6" OUTLET PIPE TO BE INSTALLED AT A MINIMUM 1% SLOPE.
 - STOCKPILE AREA FOR REMAINING TOPSOIL AND SANDSTONE PAVERS.
 - ALL INLETS SHALL HAVE PROPER INLET PROTECTION. (SEE DETAIL)
 - CONSTRUCT UNIFORM 3:1 (H:V) SIDE SLOPE AROUND EXISTING MOUND.
 - CONSTRUCT CLEANOUT AND CONNECT TO 6" OUTLET PIPE.

LEGEND

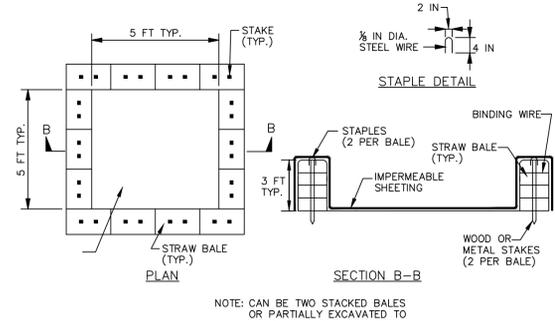
- SILT FENCE
- EX. OVERHEAD ELECTRIC
- ① KEYNOTE
- ⊕ EX. UTILITY POLE
- ⊙ INLET PROTECTION
- EX. TREE
- ⊙ EX. GAS METER
- ⊙ EX. STORM INLET
- ⊙ PROPOSED STORM INLET
- ▨ PROPOSED UNDERGROUND DETENTION BASIN



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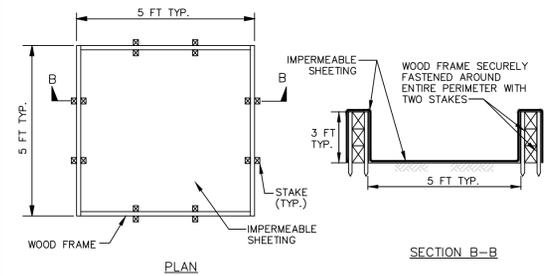
EXCAVATED WASHOUT STRUCTURE



WASHOUT STRUCTURE WITH STRAW BALES

CONSTRUCTION SPECIFICATIONS

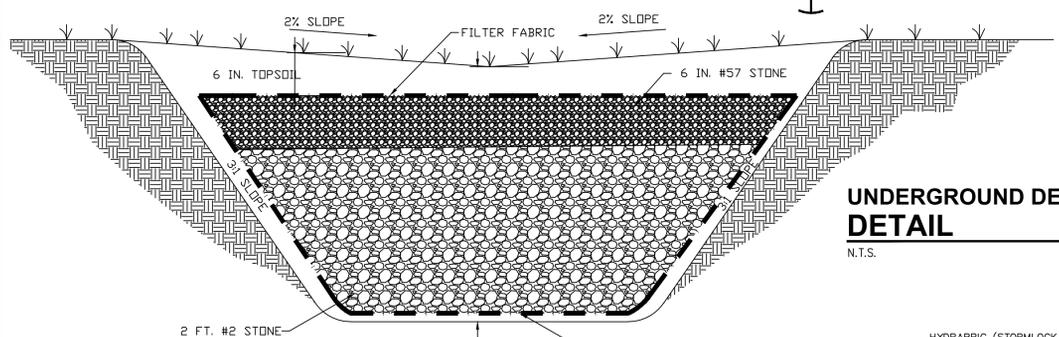
1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.



WASHOUT STRUCTURE WITH WOOD PLANKS

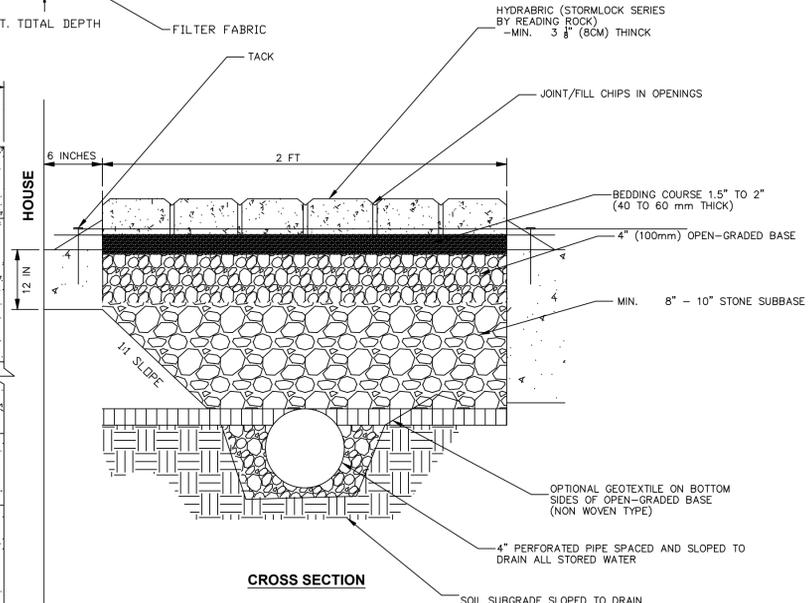
CONCRETE WASH PIT DETAIL

N.T.S.



UNDERGROUND DETENTION BASIN DETAIL

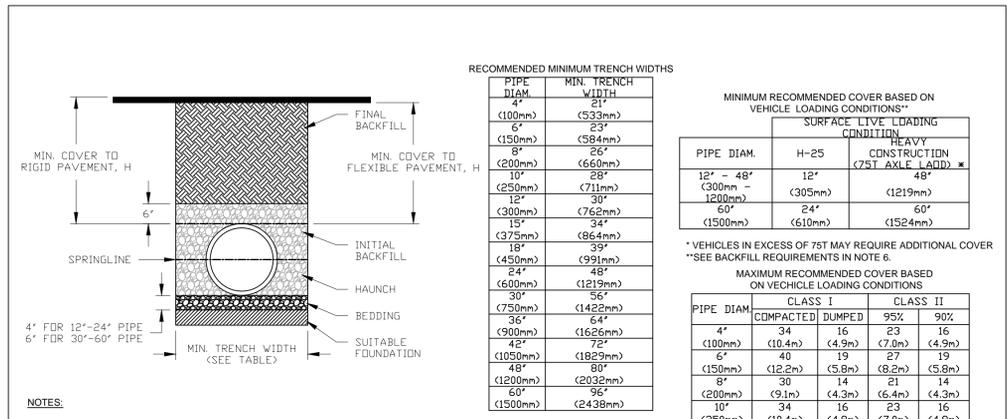
N.T.S.



NOTE: SUBBASE DEPTH MAY VARY PER PERSON. FOR STRUCTURAL INTEGRITY, 8"-10" MINIMUM IS RECOMMENDED. PLEASE REFER TO DESIGNER'S SPECIFICATION.

PERMEABLE PAVER TRENCH DRAIN DETAIL

N.T.S.



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4" (100mm)	21" (533mm)
6" (150mm)	23" (584mm)
8" (200mm)	26" (660mm)
10" (250mm)	29" (711mm)
12" (300mm)	30" (762mm)
15" (375mm)	34" (864mm)
18" (450mm)	39" (991mm)
24" (600mm)	48" (1219mm)
30" (750mm)	56" (1422mm)
36" (900mm)	64" (1626mm)
42" (1050mm)	72" (1829mm)
48" (1200mm)	80" (2032mm)
60" (1500mm)	96" (2438mm)

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS*

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	CONSTRUCTION (75T AXLE LOAD)
12" - 48" (300mm - 1200mm)	12" (305mm)	48" (1219mm)
60" (1500mm)	24" (610mm)	60" (1524mm)

*VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER
**SEE BACKFILL REQUIREMENTS IN NOTE 6

MAXIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

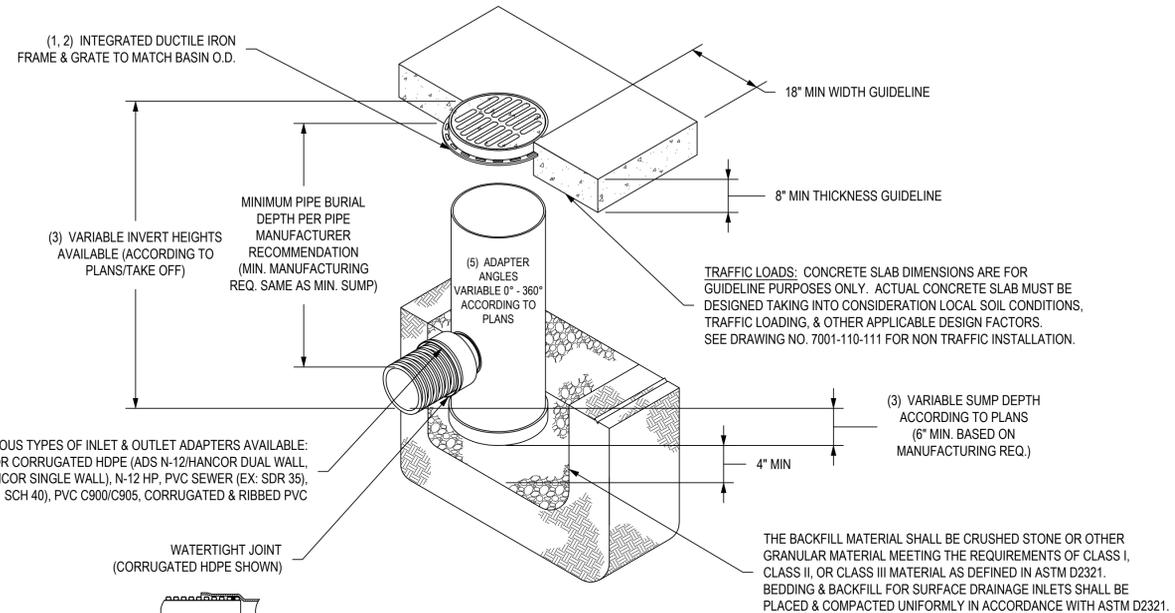
PIPE DIAM.	CLASS I		CLASS II	
	COMPACTED	DUMPED	95%	90%
4" (100mm)	34	16	23	16
6" (150mm)	40	19	27	19
8" (200mm)	50	14	21	14
10" (250mm)	34	16	23	16
12" (300mm)	35	17	24	17
15" (375mm)	37	18	25	18
18" (450mm)	38	15	22	15
24" (600mm)	27	13	19	13
30" (750mm)	22	11	16	11
36" (900mm)	26	12	18	12
42" (1050mm)	24	11	17	11
48" (1200mm)	23	11	16	11
60" (1500mm)	26	12	18	12

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12. LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
NO HYDROSTATIC PRESSURE.
UNIT WEIGHT OF SOIL (γ_s) = 120 PCF

- NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
 2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOYATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

TRENCH INSTALLATION DETAIL

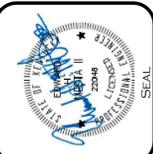
N.T.S.



NYLOPLAST 18" DRAIN BASIN DETAIL

N.T.S.

- 1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
- 4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
- 5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.



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DESCRIPTION OF REVISION

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C5