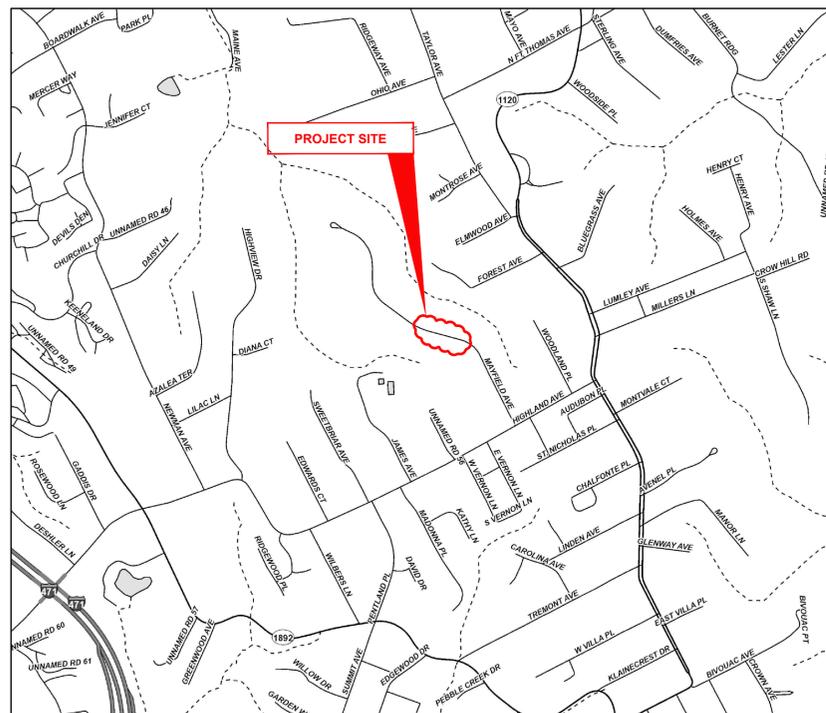


CITY OF FORT THOMAS CAMPBELL COUNTY, KENTUCKY HIGHLAND HILLS PARK TURNAROUND

37780

| CITY OF FORT THOMAS OFFICIALS | |
|-------------------------------|-----------------|
| MAYOR | ANDY ELLISON |
| CITY ADMINISTRATOR | MATTHEW KREMER |
| CITY CLERK | MELISSA BECKETT |
| CITY COUNCIL MEMBERS | |
| | JEFF BEZOLD |
| | ADAM BLAU |
| | BRAD FENNELL |
| | LAUREN MCINTOSH |
| | BEN PENDERY |
| | ERIC STRANGE |

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VICINITY MAP

K.T.C SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE KENTUCKY TRANSPORTATION CABINET, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO AND CITY OF FORT THOMAS ENGINEERING DEPARTMENT REQUIREMENTS SHALL GOVERN THIS IMPROVEMENT.

SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON KENTON COUNTY G.I.S. MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY VERDANTAS, LLC.



| ISSUED FOR: | BID NO. | DATE | REVISION |
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| DRAWN BY: | AWAL | | |
| CHECKED BY: | FTWE | | |

HIGHLAND PARK TURNAROUND
- CITY OF FORT THOMAS, KY 41075 -

TITLE SHEET

| | |
|-------------|-------|
| PROJECT NO. | 37780 |
| DISCIPLINE | CIVIL |
| SHEET NAME | TTL |
| SHEET | OF |
| 1 | 8 |

ROBERT SEITZINGER

P.E. #33805

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS. THE LATEST EDITION OF THE FORT THOMAS SUBDIVISION REGULATIONS AND THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 2. THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER OR THEIR REPRESENTATIVE. ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.
- 3. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY FOR ALL REQUIRED TESTING.
- 4. OWNER TO PROVIDE ONE TIME CONSTRUCTION STAKING AS FOLLOWS: CURB OR EDGE OF PAVEMENT STAKES EVERY 25' AND AT KEY LOCATIONS IN CURVES AT A CONVENIENT OFFSET GRADED TO THE TOP OF CURB OR EDGE OF PAVEMENT ELEVATION. PROPOSED STORM SEWER STRUCTURES, INCLUDING A CENTER STAKED GRADE TO FLOWLINE AND FINISHED GRADE WITH CONVENIENT OFFSETS.
- 5. ALL WORK SHALL BE LIMITED TO THE PROPERTIES AND EASEMENTS IDENTIFIED ON THE PLANS. ANY WORK WITHIN THE PUBLIC RIGHT OF WAY IS SUBJECT TO INSPECTIONS AND ENCROACHMENT PERMITS FROM THE JURISDICTION HAVING AUTHORITY OVER THE RIGHT-OF-WAY. REQUIREMENTS OF SUCH PERMITS ARE INCORPORATED INTO THESE DOCUMENTS BY REFERENCE.
- 6. ANY DEFECTS IN CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE OWNER WITH NO ADDITIONAL COMPENSATION.
- 7. RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM CAMPBELL COUNTY G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.
- 8. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
- 11. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL CAMPBELL COUNTY AND THE CITY OF FORT THOMAS PERMITS HAVE BEEN ISSUED AS REQUIRE.
- 12. APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING ETC. SHALL BE ERECTED AROUND THE CONSTRUCTION AREA DURING NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL.
- 13. ANY EXISTING ROADWAY, LAWN, CURB, SIDEWALK OR OTHER APPURTENANCE DISTURBED DURING CONSTRUCTION NOT DESIGNATED FOR REMOVAL OR REPLACEMENT SHALL BE RESTORED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE.
- 14. ANY TEMPORARY UTILITY REQUIRED BY THE CONTRACTOR (ELECTRIC, WATER ETC.) SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
- 15. THE CONTRACTOR SHALL PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES, REFERENCE POINTS, STAKES AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE THE CONTRACTOR SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE. BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.
- 16. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-554), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AND CONSTRAINTS OF THE SITE.
- 18. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

ACCESSIBILITY NOTES

- 1. ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) SHALL BE FOLLOWED IN ALL ASPECTS OF THE PROJECT.
- 2. ALL SIDEWALKS INSTALLED SHALL HAVE A MAXIMUM CROSS SLOPE OF 2%.
- 3. HANDICAP ACCESSIBLE PARKING SPACES SHALL NOT EXCEED A SLOPE OF 2% IN ANY DIRECTION.
- 4. ALL CURB RAMPS SHOWN ALONG A DESIGNATED ACCESSIBLE ROUTE SHALL BE FLUSH WITH THE ADJACENT PAVEMENT.

UTILITY NOTES

- 1. THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- 2. PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
- 3. TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
- 4. FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE KENTUCKY UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF KENTUCKY UNDERGROUND PROTECTION.
- 5. THE SITE MAY CONTAIN EXISTING PRIVATELY OWNED UTILITIES. THESE HAVE BEEN SHOWN AS ACCURATELY AS POSSIBLE BASED ON EXISTING UTILITY INFORMATION, BUT THE PREPARER OF THESE DOCUMENTS DOES NOT ATTEST TO THEIR ACCURACY OR CORRECTNESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A PRIVATE UTILITY MARKING AGENCY TO IDENTIFY AND LOCATE ALL PRIVATE UTILITIES WITHIN THE WORK SITE. THIS MAY INVOLVE THE EXCAVATION AND UNCOVERING OF UTILITIES TO VERIFY LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS. CONTRACT SHALL MAKE RECORDS OF ALL PRIVATE UTILITIES ENCOUNTERED DURING THE PROJECT.
- 6. RECORD DRAWINGS OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.

STORM & SANITARY NOTES

- 1. ALL STORM AND SANITARY ITEMS SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS AND DETAILS FROM SD1. CONCRETE AND METAL PIPE MATERIALS SHALL NOT BE USED UNLESS OTHERWISE SPECIFIED ON THESE PLANS.
- 2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT. FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.
- 3. IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM AND SANITARY SEWER INSPECTIONS AS SET OUT IN THE PRECONSTRUCTION MEETING.
- 4. CONNECTIONS INTO EXISTING OR PROPOSED STORM OR SANITARY SEWER STRUCTURES OR PIPES SHALL BE COMPLETED BY A CERTIFIED TAPPER BY SD1.
- 5. DOWNSPOUT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST SPECIFICATION OF THE FORT THOMAS SUBDIVISION REGULATIONS, SD-1 REGULATIONS AND STANDARD DRAWINGS, AND DETAILS SHOWN ON THIS PLAN. BEDDING, BACKFILLING, JOINTS, EXCAVATION AND INSTALLATION SHALL BE INCLUDED IN THE COST PER FOOT OF PIPE. STORM SEWER, DOWNSPOUT AND UNDERDRAIN PIPE MATERIAL SHALL HAVE A MANNING'S "N" VALUE OF 0.013 OR LESS (UNLESS OTHERWISE SHOWN) AND BE RIGID / SMOOTH INTERIOR WALLED PVC SDR-35 PIPE, RIBBED PVC PIPE, A-2000 PVC PIPE, UNLESS OTHERWISE SHOWN.
- 6. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
- 7. CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES, INLETS AND DETENTION SYSTEMS.
- 8. CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT

WATER NOTES

- 1. ALL WORK RELATING TO WATER MAINS OR WATER SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NORTHERN KENTUCKY WATER DISTRICT (NKWD).
- 2. CONTRACTOR MAY NOT USE WATER FROM FIRE HYDRANTS WITHOUT PRIOR PERMISSION FROM NKWD.
- 3. MAINTAIN A MINIMUM 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION FROM ALL SANITARY SEWERS.

GAS NOTES

- 1. ALL WORK RELATING TO GAS MAINS OR GAS SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY.

ELECTRIC NOTES

- 1. ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY.

MAINTENANCE OF TRAFFIC NOTES

- 1. ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENT OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 112 OF KTC STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT.
- 3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF FORT THOMAS AND THE FORT THOMAS POLICE DEPARTMENT. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS.
- 4. RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.
- 5. ALTERNATE ROUTES OR CONTINUOUS TRAFFIC CONTROL SHALL BE EMPLOYED WHEN A PUBLIC WAY IS TEMPORARY BLOCKED DURING CONSTRUCTION, INCLUDING PEDESTRIAN AND BICYCLE FACILITIES. ADVANCED NOTICE SIGNS IN ACCORDANCE WITH THE MUTCD SHALL BE EMPLOYED.

GRADING AND EROSION CONTROL NOTES

- 1. ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION PER KDOT SPEC. 212. ALL DISTURBED AREAS SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.
- 2. ALL APPLICABLE RECOMMENDATIONS IN KENTUCKY'S BEST MANAGEMENT PRACTICES MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.
- 3. ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.
- 4. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS AND MATERIALS OF CONSTRUCTION. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY OF MATERIAL UNDERLYING THE PROJECT SITE. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS OR TESTING NECESSARY TO ADEQUATELY DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTING SITE CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), OBSTRUCTIONS ETC.
- 5. ALL TREES AND OTHER VEGETATION WITHIN THE PROJECT LIMITS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED, INCLUDED STUMP REMOVAL.
- 6. THE CONTRACTOR SHALL REMOVE ALL SURPLUS DEMOLISHED AND WASTE MATERIALS, INCLUDING TREES, STUMPS, TRASH AND DEBRIS, FROM THE PROJECT LIMITS AND DISPOSE OF OFF-SITE. IN NO INSTANCE SHALL MATERIAL BE BURIED ON-SITE.
- 7. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL MATERIAL DEEMED UNSUITABLE FOR EMBANKMENT BY THE OWNER'S REPRESENTATIVE AND BE DISPOSED OF OFF-SITE.
- 8. THE CONTRACTOR SHALL PROVIDE FINAL GRADING TO WITHIN 1" OF GRADES SHOWN ON THE PLANS.
- 9. TOPSOIL SHALL BE STRIPPED AND SOCKPILED FROM ALL AREAS TO BE GRADED. TO WHATEVER DEPTH ENCOUNTERED, AND IN A MANNER TO PREVENT INTERMIXING WITH UNDERLYING SUBSOIL. SOILD SHALL NOT BE STOCKPILED NEAR THE EDGE OF EXCAVATIONS OR WITHIN DRIP LINES OF TREES TO REMAIN.
- 10. EXCESS SOIL GENERATED FROM TRENCH EXCAVATIONS SHALL BE INCORPORATED IN THE UNIT PRICE BID FOR EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION. ANY EXCESS SOIL UNABLE TO BE PLACED ON-SITE OR DEEMED UNSUITABLE FOR EMBANKMENT BY THE ENGINEER SHALL BE DISPOSED OF OFF-SITE.
- 11. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS IN THE SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT FOR EXCAVATION AND EMBANKMENT TO CONSTRUCT THE IMPROVEMENTS AND ACHIEVE THE FINISHED GRADES SHOWN ON THE PLANS.
- 12. NO SLAG, RIVER GRAVEL, RECYCLED PORTLAND CEMENT CONCRETE, RECLAIMED ASPHALT CONCRETE PAVEMENT OR RECLAIMED BITUMINOUS AGGREGATE BASE SHALL BE USED AS FILL.
- 13. EXPOSED PAVEMENT SUBGRADE AREAS SHALL BE MAINTAINED IN CONDITIONS TO PREVENT PONDING OF WATER AFTER RAINS.
- 14. ALL EXISTING AND PROPOSED MANHOLE COVERS, VALVE BOXES, ETC. LOCATED WITHIN PEDESTRIAN ACCESS SHALL BE FLUSH MOUNTED WITH THE WALKING SURFACE.
- 15. SLOPE ALL PAVING AND LANDSCAPE AREAS AWAY FROM THE BUILDING AT A MINIMUM OF 1%.
- 16. THE ENGINEER MAKES NO REPRESENTATION AS TO A BALANCED EARTHWORK SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE FINAL SITE GRADES AS INDICATED ON THE GRADING PLAN, INCLUDING THE IMPORT OR EXPORT OF MATERIAL IF REQUIRED TO ACHIEVE THE PROPOSED GRADES. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL SURPLUS EARTHWORK, DEBRIS OR WASTE FROM THE SITE. ALL COST FOR THE ABOVE SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE FOR EXCAVATION AND/OR EMBANKMENT.
- 17. THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES TO REMAIN FROM DAMAGE CAUSED BY EARTHWORK OPERATIONS.
- 18. MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR(S)
- 19. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF REPAIR AND/OR REPLACEMENT OF BMP'S

EROSION CONTROL LEGEND

- IP INLET PROTECTION (SEE DETAIL)
- CE CONSTRUCTION ENTRANCE
- WA CONCRETE WASHOUT
- RCP ROCK CHANNEL PROTECTION
- SF PROPOSED SILT FENCE

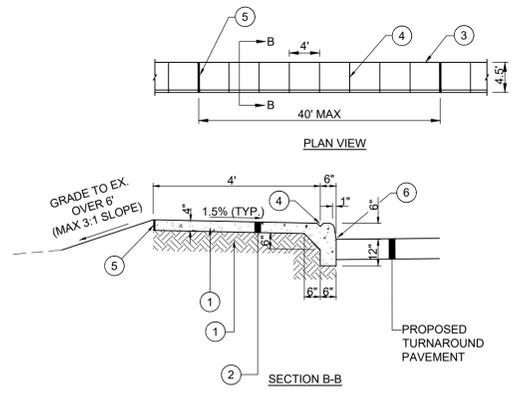
HATCH LEGEND

- 4.5" ASPHALT PAVEMENT - SEE TYPICAL SECTION DETAIL
- 8" CONCRETE PAVEMENT - SEE DETAIL
- 4" CONCRETE SIDEWALK - SEE DETAIL
- RIPRAP - SEE DETAIL
- TO BE REMOVED

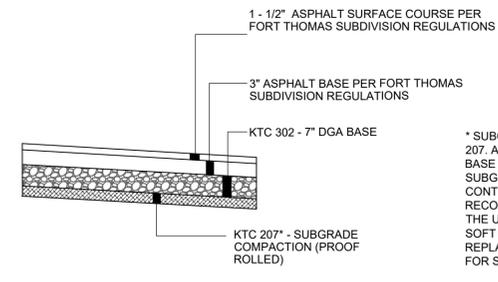
SYMBOL LEGEND

| | | | |
|--|---|--|---|
| | EXISTING GAS LINE | | PROPOSED GAS LINE |
| | EXISTING GAS SERVICE | | PROPOSED GAS SERVICE |
| | EXISTING ELECTRIC (UNDERGROUND / OVERHEAD) | | PROPOSED ELECTRIC (UNDERGROUND / OVERHEAD) |
| | EXISTING CABLE (UNDERGROUND / OVERHEAD) | | PROPOSED CABLE (UNDERGROUND / OVERHEAD) |
| | EXISTING TELEPHONE (UNDERGROUND / OVERHEAD) | | PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD) |
| | EXISTING WATER MAIN | | PROPOSED WATER MAIN |
| | EXISTING WATER SERVICE | | PROPOSED WATER SERVICE |
| | EXISTING STORM SEWER | | PROPOSED STORM SEWER |
| | EXISTING ROOF DRAIN | | PROPOSED ROOF DRAIN |
| | EXISTING SANITARY SEWER | | PROPOSED SANITARY SEWER |
| | EXISTING SANITARY FORCE MAIN | | PROPOSED SANITARY FORCE MAIN |
| | EXISTING FIBER OPTICS | | PROPOSED FIBER OPTICS |
| | EXISTING FENCE | | PROPOSED FENCE |
| | EXISTING CONTOURS (MAJOR) | | PROPOSED CONTOURS (MAJOR) |
| | EXISTING CONTOURS (MINOR) | | PROPOSED CONTOURS (MINOR) |
| | EXISTING RIGHT OF WAY | | PROPOSED RIGHT OF WAY |
| | EXISTING PROPERTY LINE | | PROPOSED PROPERTY LINE |
| | EXISTING EASEMENT | | PROPOSED EASEMENT |
| | EXISTING GUARDRAIL | | PROPOSED GUARDRAIL |
| | EXISTING TREE LINE | | PROPOSED TREE LINE / CLEARING LIMITS |
| | PROPOSED DISTURBED LIMITS | | |
| | EXISTING FLAGPOLE | | PROPOSED FLAGPOLE |
| | EXISTING MAILBOX | | PROPOSED MAILBOX |
| | EXISTING SIGN | | PROPOSED SIGN |
| | EXISTING CABLE PEDESTAL | | PROPOSED CABLE PEDESTAL |
| | EXISTING ELECTRIC PEDESTAL | | PROPOSED ELECTRIC PEDESTAL |
| | EXISTING PULL BOX | | PROPOSED PULL BOX |
| | EXISTING GROUND LIGHT | | PROPOSED GROUND LIGHT |
| | EXISTING LIGHT POLE | | PROPOSED LIGHT POLE |
| | EXISTING ELECTRIC METER | | PROPOSED ELECTRIC METER |
| | EXISTING ELECTRIC MANHOLE | | PROPOSED ELECTRIC MANHOLE |
| | EXISTING GAS METER | | PROPOSED GAS METER |
| | EXISTING GAS VALVE | | PROPOSED GAS VALVE |
| | EXISTING GAS BOX | | PROPOSED GAS BOX |
| | EXISTING UTILITY POLE | | PROPOSED UTILITY POLE |
| | EXISTING GUY WIRE / ANCHOR | | PROPOSED GUY WIRE / ANCHOR |
| | EXISTING SANITARY MANHOLE | | PROPOSED SANITARY MANHOLE |
| | EXISTING SANITARY CLEANOUT | | PROPOSED SANITARY CLEANOUT |
| | EXISTING STORM MANHOLE | | PROPOSED STORM MANHOLE |
| | EXISTING SINGLE / DOUBLE CURB INLET | | PROPOSED SINGLE / DOUBLE CURB INLET |
| | EXISTING CATCH BASIN | | PROPOSED CATCH BASIN |
| | EXISTING STORM CLEANOUT | | PROPOSED STORM CLEANOUT |
| | EXISTING TELEPHONE MANHOLE | | PROPOSED TELEPHONE MANHOLE |
| | EXISTING TELEPHONE PEDESTAL | | PROPOSED TELEPHONE PEDESTAL |
| | EXISTING FIRE HYDRANT | | PROPOSED FIRE HYDRANT |
| | EXISTING WATER METER | | PROPOSED WATER METER |
| | EXISTING WATER VALVE | | PROPOSED WATER VALVE |
| | EXISTING BUSHES / TREES | | REMOVE EXISTING BUSH / TREE |
| | EXISTING SURVEY BENCHMARK | | PROPOSED SLOPE DIRECTION |
| | TEST BORING LOCATION | | |

| | | | |
|--|------------|--|----------|
| | | 2161 CHAMBER CENTER DRIVE FORT MITCHELL, KENTUCKY 41017 TEL: (859) 525-0944 WWW.VERDANTAS.COM | |
| | | DATE | NO. |
| ISSUED FOR: | BID | REVISION | NO. |
| ISSUE DATE: | 02/26/2026 | | |
| SCALE: | AS SHOWN | | |
| DESIGNED BY: | RSEI | | |
| DRAWN BY: | AWAL | | |
| CHECKED BY: | FTWE | | |
| HIGHLAND PARK TURNAROUND - CITY OF FORT THOMAS, KY 41075 - | | GENERAL NOTES & LEGEND | |
| PROJECT NO. 37780 | | | |
| DISCIPLINE CIVIL | | | |
| SHEET NAME NOTES | | | |
| SHEET 2 | OF | | 8 |

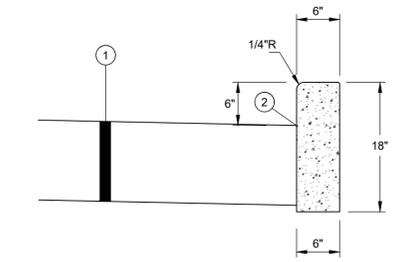
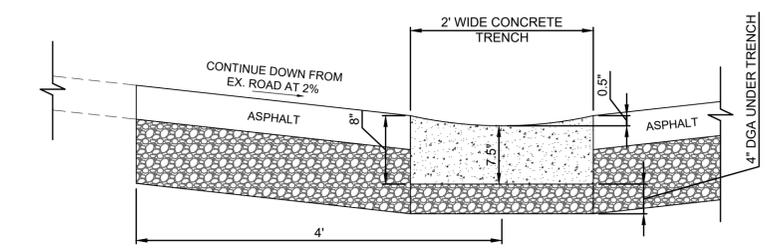
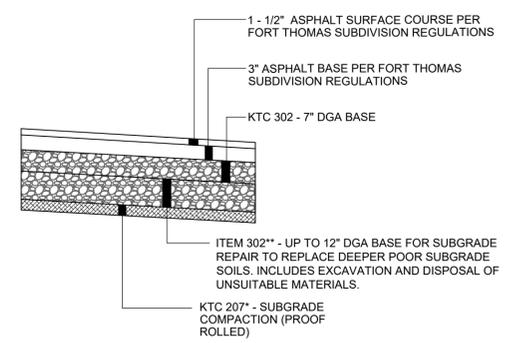


- ① ITEM 207 - COMPACTED SUBGRADE (INCIDENTAL TO CONCRETE SIDEWALK)
- ② ITEM SPL - 4" CONCRETE SIDEWALK WITH INTEGRAL CURB PER KENTON COUNTY SUBDIVISION REGULATIONS
- ③ TOOLED EDGE
- ④ TOOLED CONTRACTION JOINT
- ⑤ 3/4" PREMOLDED EXPANSION JOINT SPACED AS NOTED OR AT RIGID STRUCTURES
- ⑥ APPLY HOT ASPHALT SEALER WHERE ASPHALT MEETS CURB



* SUBGRADE RESHAPING AND COMPACTING SHALL BE PER KTC ITEM 207. A PROOF ROLL WILL BE REQUIRED PRIOR TO PLACING STONE BASE OR CONCRETE PAVEMENT. SOFT OR YIELDING SUITABLE SUBGRADE MATERIAL LACKING PROPER COMPACTION OR MOISTURE CONTENT SHALL BE SCARIFIED, AERATED, DRIED AND RECOMPACTED. THE COST FOR THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR "SUBGRADE RESHAPING AND COMPACTING." SOFT OR YIELDING UNSUITABLE SUBGRADE SHALL BE REMOVED AND REPLACED PER THE "GEGRID REINFORCEMENT AND GRAVEL BASE FOR SUBGRADE REPAIR" DETAIL, AS DIRECTED BY THE ENGINEER.

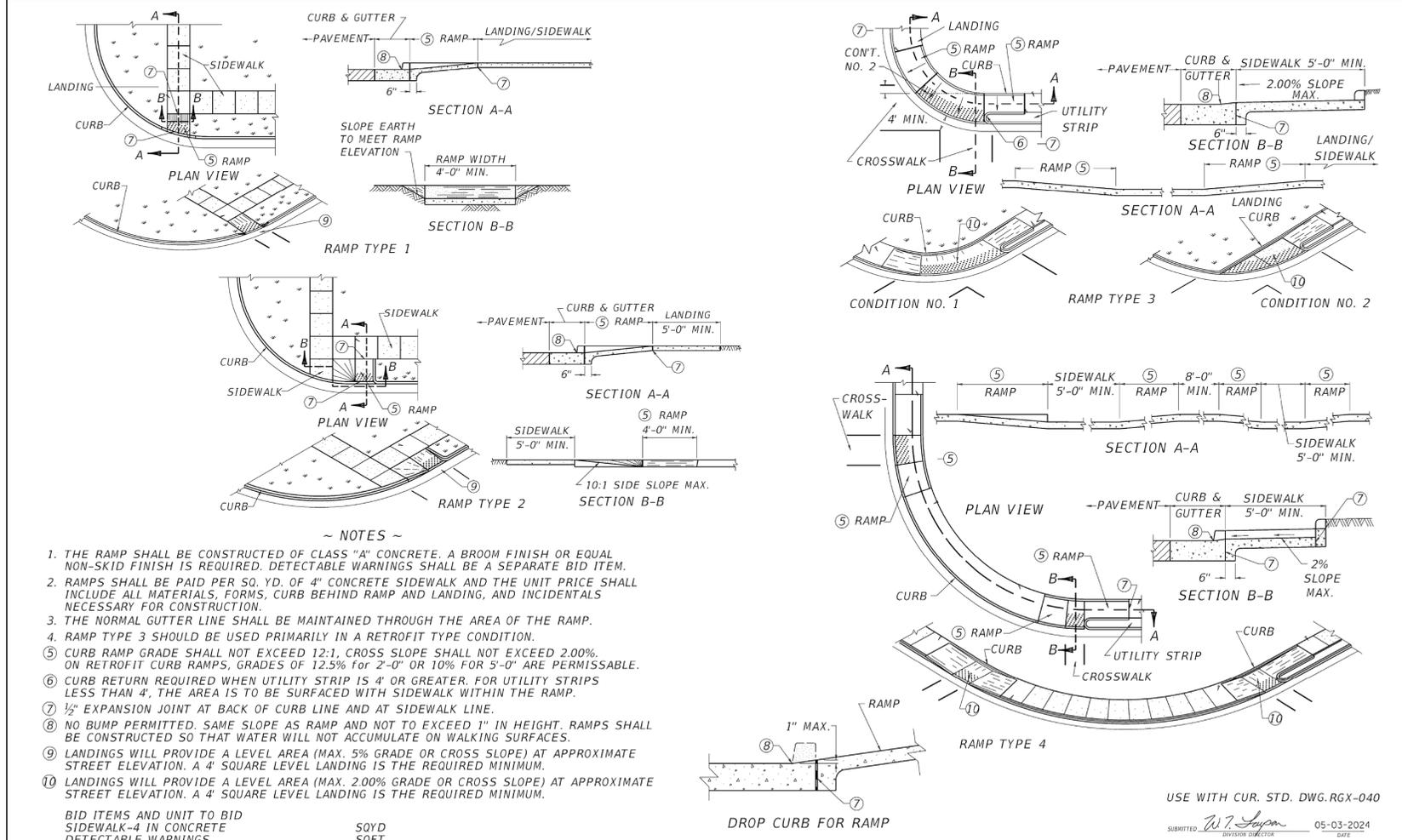
** CONTINGENCY ITEM TO BE USED ONLY AS DIRECTED BY THE ENGINEER.



- ① PROPOSED ASPHALT PAVEMENT (SEE TYPICAL SECTION)
- ② APPLY HOT ASPHALT SEALER WHERE ASPHALT MEETS CURB (INCIDENTAL TO ITEM 402/403).

NOTE: 3/8" DIAMETER DOWELS, 18" LONG, 12" O.C. PLACED AT EXPANSION AND CONSTRUCTION JOINTS.

CONCRETE SHALL BE PER THE LATEST EDITION OF THE FORT THOMAS SUBDIVISION REGULATIONS



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: SEPIA 041 - SIDEWALK RAMPS

ITEM NO. COUNTY OF
SHEET NO.

| DATE | REVISION | NO | BID | ISSUED FOR: | ISSUE DATE: | SCALE: | DESIGNED BY: | DRAWN BY: | CHECKED BY: |
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| | | | 02/26/2026 | AS SHOWN | | | | | |

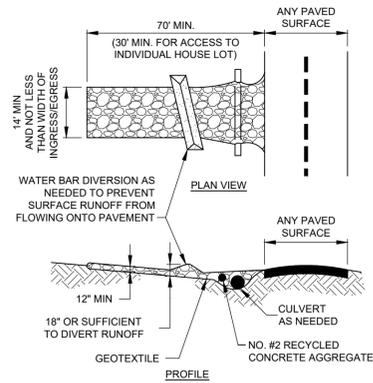
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|-------------|-------|
| PROJECT NO. | 37780 |
| DISCIPLINE | CIVIL |
| SHEET NAME | DET1 |
| SHEET | OF |
| 3 | 8 |

- NOTES:
- SUBSOILING SHALL OCCUR WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT PERMITTED ON SLIP-PRONE AREAS.
 - THE SITE SHALL BE GRADED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
 - TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.
 - THE SEEDBED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
 - APPLY SEED UNIFORMLY ON FIRM, MOIST SEED BED.
 - SEEDING SHOULD BE APPLIED FROM MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THESE DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHALL OCCUR WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND.
 - SEEDING SHOULD NOT BE APPLIED FROM OCTOBER 1 TO NOVEMBER 20 BECAUSE SEEDS MAY GERMINATE, BUT WILL NOT SURVIVE THE WINTER. USE THE FOLLOWING METHODS FOR DORMANT SEEDING:
 - FROM OCTOBER 1 TO NOVEMBER 20, INCREASE THE SEEDING RATE BY 50%. PREPARE THE SEED BED, ADD LIME AND FERTILIZER, MULCH AND ANCHOR.
 - FROM NOVEMBER 20 TO MARCH 15, ONLY IF SOIL CONDITIONS PERMIT, INCREASE THE SEEDING RATE BY 50%. PREPARE THE SEED BED, ADD LIME AND FERTILIZER, APPLY THE SEED MIXTURE, MULCH AND ANCHOR.
 - APPLY MULCH MATERIAL IMMEDIATELY AFTER SEEDING.
 - PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS AS NEEDED. AVOID EXCESSIVE IRRIGATION AND MONITOR TO PREVENT EROSION AND DAMAGE FROM RUNOFF.
 - PERMANENT SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF PLANTING. DURING THIS PERIOD, INSPECT FOR SOIL EROSION OR PLANT LOSS AND REPAIR BARE OR SPARSE AREAS. FILL GULLIES, RE-FERTILIZE, RE-SEED OR RE-MULCH AS NEEDED.
 - A MINIMUM OF 70% GROWTH DENSITY, BASED ON A VISUAL INSPECTION, MUST EXIST FOR AN ADEQUATE PERMANENT VEGETATIVE PLANTING.

| PERMANENT SEEDING FERTILIZATION AND MOWING CHART | | | | |
|--|----------|--------|--------------------------------------|------------|
| MIXTURE | FORMULA | LB/AC. | TIME | MOW |
| CREeping RED FESCUE | 10-10-10 | 500 | FALL, YEARLY, OR AS NEEDED | ≥3" |
| DOMESTIC RYEGRASS | | | | |
| KENTUCKY BLUEGRASS | | | | |
| TALL FESCUE | 10-10-10 | 500 | | ≥4" |
| TURF-TYPE FESCUE | 10-10-10 | 500 | | |
| CROWN VETCH FESCUE | 0-20-20 | 400 | SPRING, AND YEARLY AFTER ESTABLISHED | DO NOT MOW |
| FLAT PEA FESCUE | 0-20-20 | 400 | | |

| PERMANENT SEEDING SPECIES SELECTION | | |
|-------------------------------------|------------------|--|
| SEED MIX | SEED RATE LB/AC. | NOTES: |
| GENERAL USE | | |
| CREeping RED FESCUE | 20 - 40 | FOR CLOSE MOWING AND WATERWAYS WITH ≤2.0 FT./SEC. VELOCITY |
| DOMESTIC RYEGRASS | 10 - 20 | |
| KENTUCKY BLUEGRASS | 20 - 40 | |
| TALL FESCUE | 40 - 50 | |
| TURF-TYPE FESCUE | 90 | |
| STEEP BANKS OR CUT SLOPES | | |
| TALL FESCUE | 40 - 50 | |
| CROWN VETCH | 10 - 20 | DO NOT SEED LATER THAN AUGUST |
| TALL FESCUE | 20 - 30 | |
| FLAT PEA | 20 - 25 | DO NOT SEED LATER THAN AUGUST |
| TALL FESCUE | 20 - 30 | |
| ROAD DITCHES AND SWALES | | |
| TALL FESCUE | 40 - 50 | |
| TURF-TYPE FESCUE | 90 | |
| KENTUCKY BLUEGRASS | 5 | |
| LAWN | | |
| KENTUCKY BLUEGRASS | 100 - 120 | |
| PERENNIAL RYEGRASS | 100 - 120 | |
| KENTUCKY BLUEGRASS | 100 - 120 | FOR SHADED AREAS |
| CREeping RED FESCUE | 100 - 120 | |

PERMANENT SEEDING DETAIL
SCALE: NONE



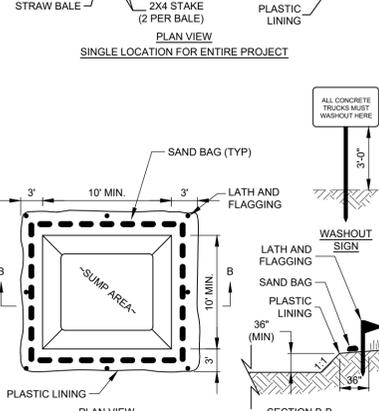
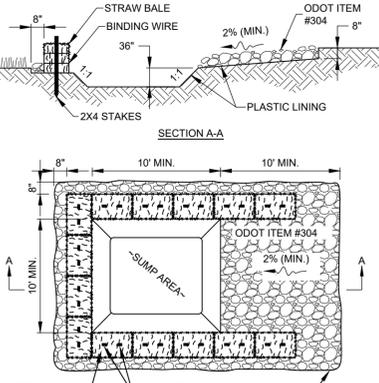
- NOTES:
- PLACE GEOTEXTILE OVER THE ENTIRE AREA PRIOR TO PLACING STONE MEETING THE MIN. SPECIFICATIONS:
 - A. TENSILE STRENGTH = 200 LBS.
 - B. PUNCTURE STRENGTH = 80 PSI
 - C. TEAR STRENGTH = 50 LBS.
 - D. BURST STRENGTH = 320 PSI
 - E. ELONGATION = 20%
 - F. EQUIVALENT OPENING SIZE ≤ 0.6 MM
 - G. PERMITTIVITY = 0.001 CM/SEC
 - APPLY ADDITIONAL STONE AS CONDITIONS DEMAND AND REPLACEMENT STONE WHEN THE DEPTH IS LESS THAN 6". REMOVE AND REPLACE IF STONES BECOMES MUD-LADEN.
 - IMMEDIATELY REMOVE MUD DROPPED, WASHED OR TRACKED ONTO ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS BY SCRAPING OR SWEEPING.
 - CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES OR TO PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

CE CONSTRUCTION ENTRANCE
SCALE: NONE

- NOTES:
- THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.
 - SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH ADEQUATE VEGETATION. PERFORM SOIL TESTS ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
 - APPLY SEED UNIFORMLY. COVER BROADCASTED SEED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPING INTO PLACE.
 - APPLY MULCHING IMMEDIATELY AFTER SEEDING.
 - SEEDING SHALL BE INSPECTED FOR BARE SPOTS AND WASHOUTS, AND RESEEDED AS NECESSARY.

| TEMPORARY SEEDING SPECIES SELECTION | | | |
|-------------------------------------|--------------------|-------------|--------|
| DATES | SPECIES | LB/1,000 SF | LB/AC. |
| MARCH 1 TO AUGUST 15 | OATS | 3 | 128 |
| | TALL FESCUE | 1 | 40 |
| | PERENNIAL RYEGRASS | 1 | 40 |
| AUGUST 16 TO NOVEMBER 1 | RYE | 3 | 112 |
| | TALL FESCUE | 1 | 40 |
| | PERENNIAL RYEGRASS | 1 | 40 |
| NOVEMBER 1 TO SPRING | WHEAT | 3 | 120 |
| | TALL FESCUE | 1 | 40 |
| | PERENNIAL RYEGRASS | 1 | 40 |
| ONLY MULCH OR DORMANT SEEDING. | | | |

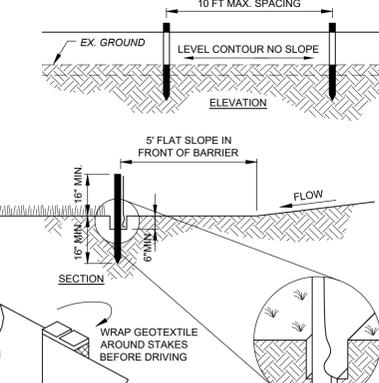
TEMPORARY SEEDING DETAIL
SCALE: NONE



WA CONCRETE WASHOUT DETAIL
SCALE: NONE

- NOTES:
- WASHOUT PIT SHALL BE LOCATED 100' MINIMUM FROM INLETS, STREAMS, WETLANDS AND ANY OTHER SURFACE WATERS.
 - ALL EXCESS CONCRETE AND CONCRETE WASHOUT, INCLUDING FROM HAND MIXERS AND LIGHT EQUIPMENT, SHALL BE DISPOSED OF IN THE CONCRETE WASHOUT AREA. DISPOSAL OF EXCESS CONCRETE OR CONCRETE WASHOUT ON THE GROUND, OR IN STORM DRAINS, DITCHES OR WATER BODIES, IS PROHIBITED.
 - CONCRETE WASHOUT AREA SHALL BE SUFFICIENT SIZE TO CONTAIN CONCRETE WASTE GENERATED. FOR LARGER SITES, MULTIPLE CONCRETE WASHOUT AREAS MAY BE REQUIRED.
 - IF CONCRETE WASHOUT AREA IS LOCATED AWAY FROM A PAVED SURFACE, CONSTRUCT A GRAVEL ACCESS ROUTE EQUAL IN COMPOSITION TO THE CONSTRUCTION ENTRANCE.
 - PLASTIC LINING SHALL BE DOUBLE-LINED, CONTINUOUS 10-MIL POLYETHYLENE SHEETING FREE OF HOLES, TEARS OR OTHER DEFECTS, AND INSTALLED ON A SMOOTH, LEVEL SURFACE, FREE OF ROCKS OR DEBRIS.
 - CONCRETE WASHOUT SIGNAGE SHALL BE CLEARLY VISIBLE AND LOCATED WITHIN 30 FEET OF EACH WASHOUT AREA.
 - CONCRETE WASHOUT AREAS SHALL BE COVERED DURING INCLEMENT WEATHER TO PREVENT OVERFLOWS.
 - PREFABRICATED, PORTABLE AND RE-USABLE CONCRETE WASHOUT CONTAINERS ARE ACCEPTABLE, BUT MUST BE SPECIFICALLY DESIGNED FOR CONCRETE WASHOUT USE.
 - CONCRETE WASHOUT AREA SHALL BE INSPECTED DAILY TO CHECK FOR DAMAGE AND TO DETERMINE IF IT NEEDS CLEANED OR REPLACED. ANY DAMAGE TO THE SIDEWALLS OR POLYETHYLENE SHEETING SHALL BE REPAIRED IMMEDIATELY. THE CONCRETE WASHOUT AREA SHALL BE CLEANED OR REPLACED WHEN IT IS 75% FULL. THE POLYETHYLENE SHEETING SHALL BE REPLACED AFTER EACH CLEANING.
 - SAW CUT CONCRETE, RESIDUE FROM SAW CUT, AND GRINDINGS SHALL BE DISPOSED OF IN THE WASHOUT PIT.

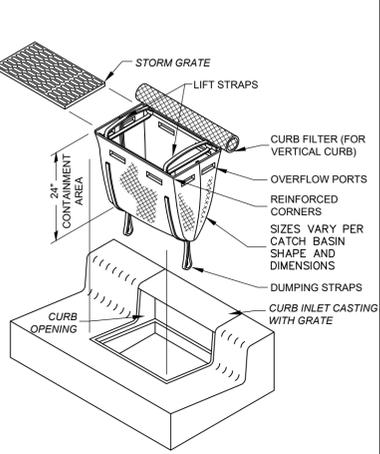
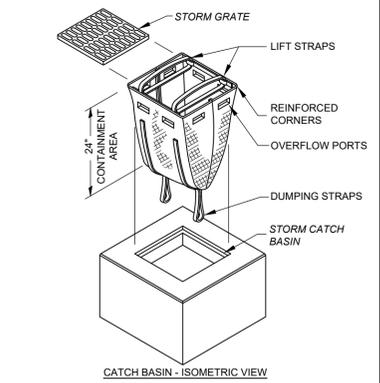
WA CONCRETE WASHOUT DETAIL
SCALE: NONE



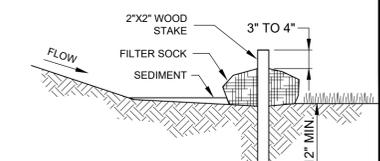
- NOTES:
- PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
 - SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING IF RUNOFF OVERTOPS THE SILT FENCE. FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW:
 - CHANGE THE LAYOUT OF THE SILT FENCE.
 - REMOVE ACCUMULATED SEDIMENT.
 - INSTALL OTHER PRACTICES.

| FABRIC PROPERTIES | VALUES | TEST METHOD |
|---------------------------------|-------------------------|------------------------|
| GRAB TENSILE STRENGTH | 90 LB. MIN | ASTM D-1682 |
| MULLEN BURST STRENGTH | 190 PSI MIN | ASTM D-3786 |
| SLURRY FLOW RATE | 0.3 GAL./MIN./S.F. MAX. | |
| EQUIVALENT OPENING SIZE | 40-80 | US STD. SIEVE CW-02215 |
| ULTRAVIOLET RADIATION STABILITY | 90% MIN | ASTM-G-26 |

SF SILT FENCE
SCALE: NONE



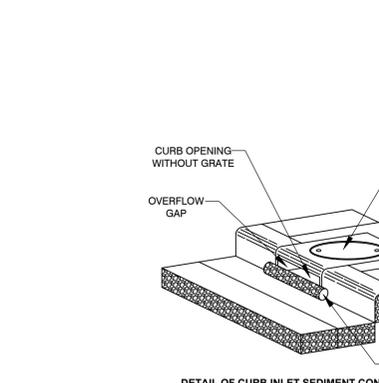
IP STORM DRAIN INLET PROTECTION DETAIL
SCALE: NONE



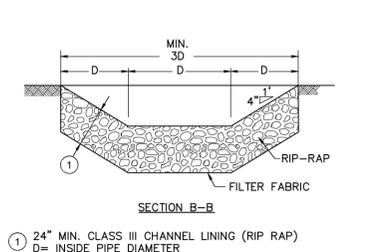
- NOTES:
- FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST.
 - COMPOST SHALL BE WEED, PATHOGEN AND INSECT FREE, FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH, BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER, AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
 - FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES PARALLEL TO THE BASE OF THE SLOPE.
 - FILTER SOCKS SHALL BE PLACED AT LEAST 5' FROM THE TOE OF SLOPE FOR SEDIMENT DEPOSIT.
 - BUILT UP SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED 1/3 THE FILTER SOCK HEIGHT.
 - WHEN A FILTER SOCK IS NO LONGER REQUIRED, IT SHALL BE DISPERSED ON-SITE.
 - THE MAXIMUM DRAINAGE AREA PER 100 FEET OF FILTER SOCK IS 1/2 ACRE AND IS DEPENDENT ON THE SLOPE:

| MAX. SLOPE LENGTH ABOVE FILTER SOCK | | | | |
|-------------------------------------|-------------|------|------|------|
| SLOPE | RATIO (H:V) | 8' | 12' | 24' |
| 0% - 2% | 0 - 50:1 | 125' | 250' | 300' |
| 2% - 10% | 50:1 - 10:1 | 100' | 125' | 200' |
| 10% - 20% | 10:1 - 5:1 | 75' | 100' | 150' |

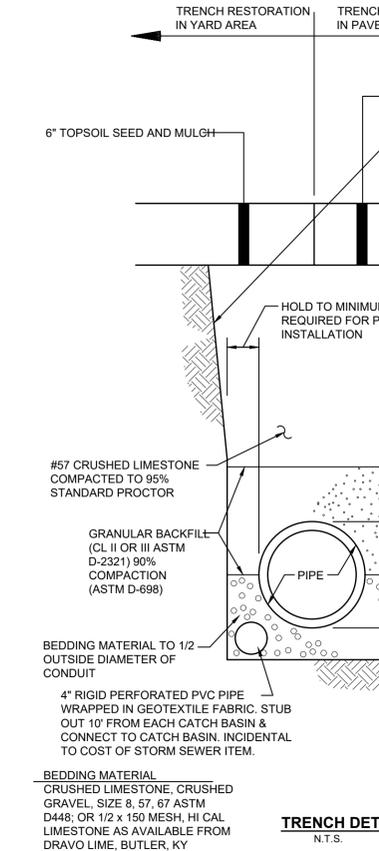
FS FILTER SOCK DETAIL
SCALE: NONE



IP DANDY CURB
SCALE: NONE



RCP ROCK CHANNEL PROTECTION
SCALE: NONE



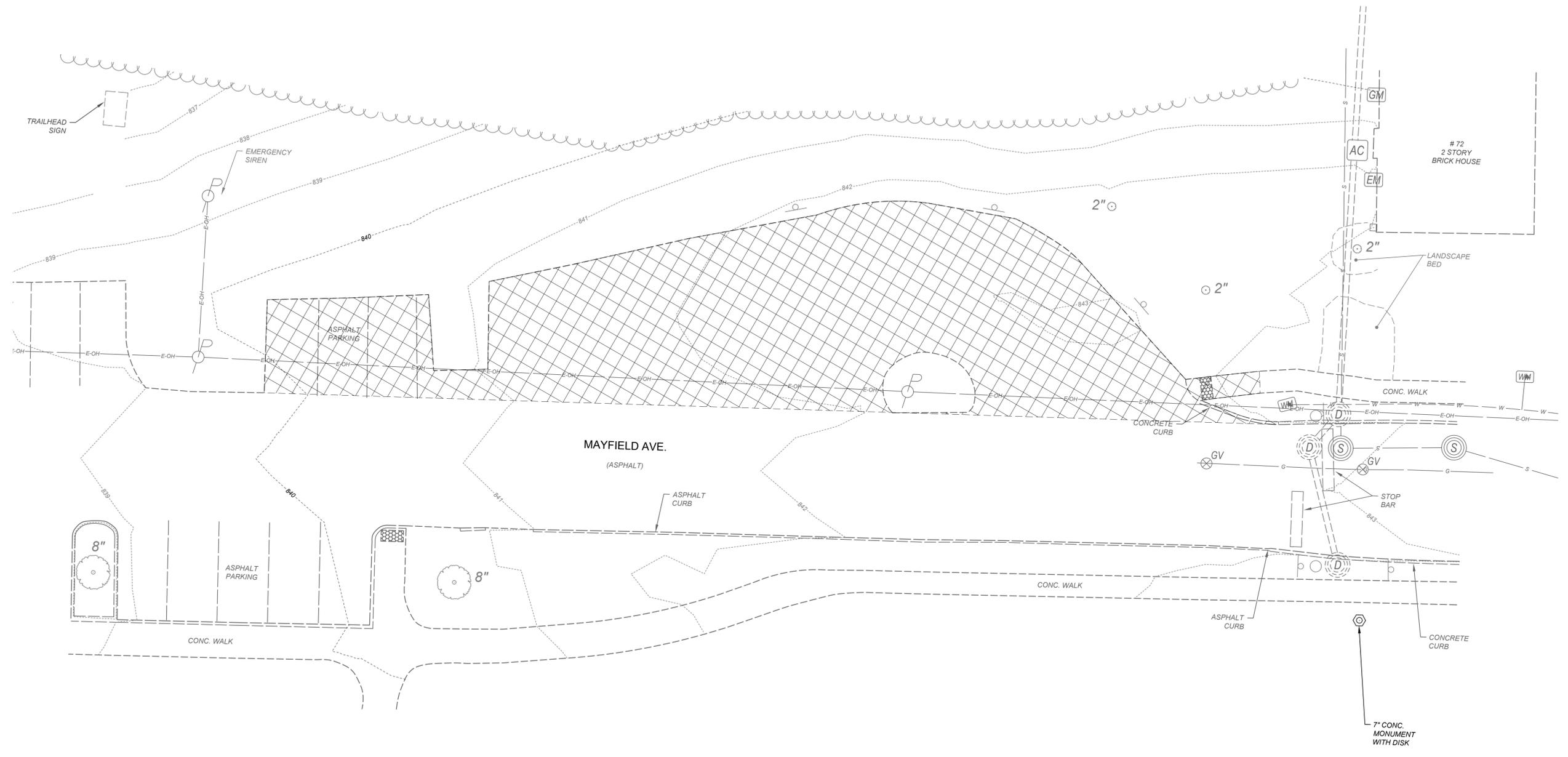
TRENCH DETAIL
N.T.S.

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| | | | 02/26/2026 | AS SHOWN | | | | | |

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| PROJECT NO. | 37780 |
| DISCIPLINE | CIVIL |
| SHEET NAME | DET3 |
| SHEET | 5 |
| OF | 8 |



0' 10' 20'
 22"x34" SCALE: 1" = 10'
 11"x17" SCALE: 1" = 20'



| HATCH LEGEND | |
|---|---------------|
|  | TO BE REMOVED |

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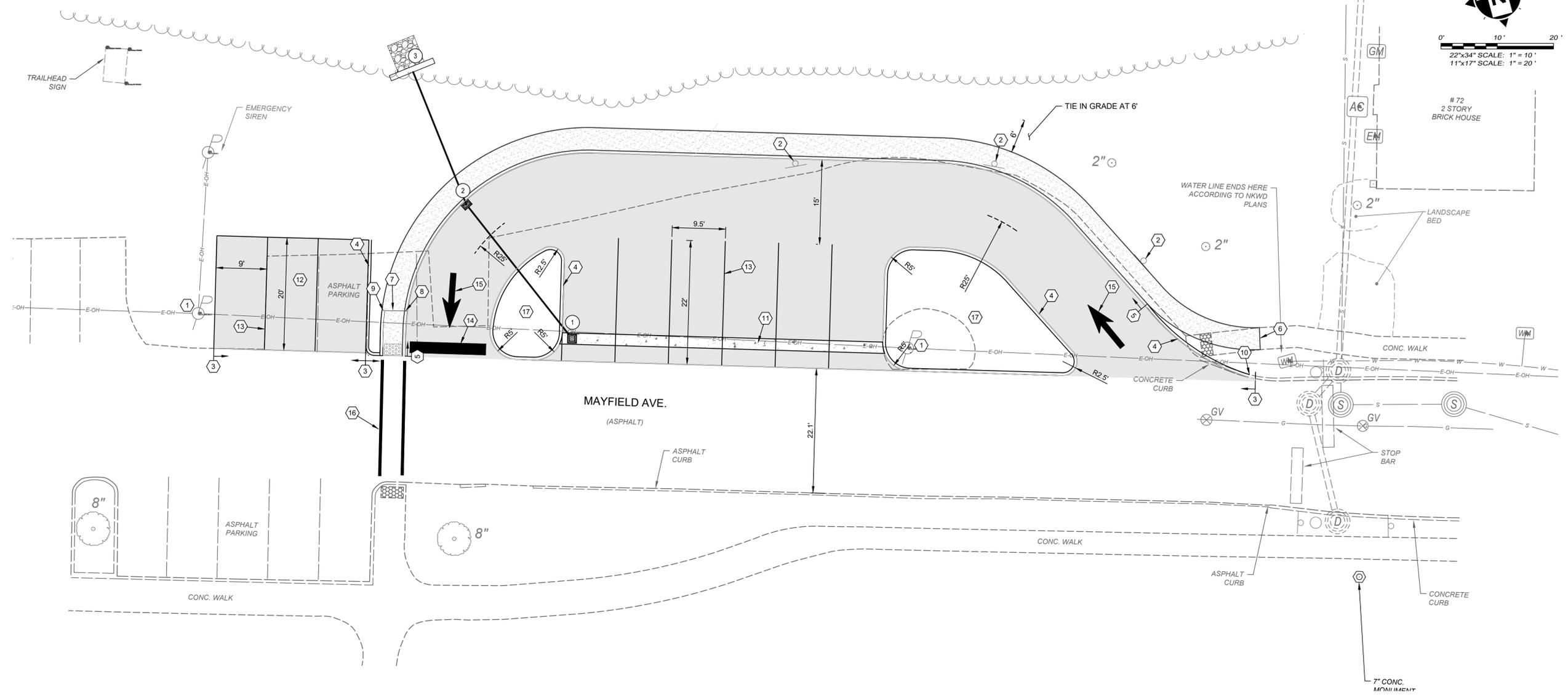
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| ISSUE DATE: 02/26/2026 | | | |
| SCALE: AS SHOWN | | | |
| DESIGNED BY: RSEI | | | |
| DRAWN BY: AWAL | | | |
| CHECKED BY: FTWE | | | |

HIGHLAND PARK TURNAROUND
 - CITY OF FORT THOMAS, KY 41075 -
**EXISTING CONDITIONS/
 DEMOLITION PLAN**

| | |
|-------------|--------------|
| PROJECT NO. | 37780 |
| DISCIPLINE | CIVIL |
| SHEET NAME | DEMO |
| SHEET | 6 |
| OF | 8 |



0' 10' 20'
 22"x34" SCALE: 1" = 10'
 11"x17" SCALE: 1" = 20'



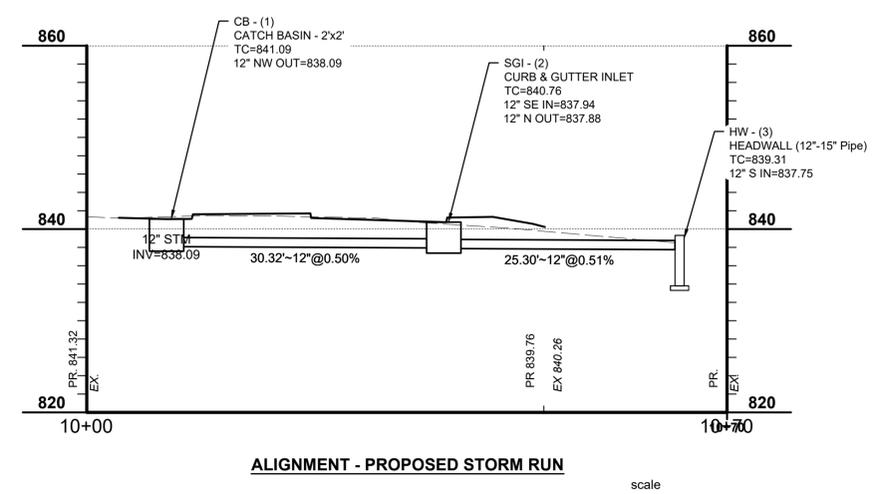
- GENERAL CONSTRUCTION NOTES**
- 1 EXISTING POLE DO NOT DISTURB.
 - 2 REMOVE EXISTING "NO PARKING" SIGNS.
 - 3 SAW-CUT EXISTING PAVEMENT TO CREATE A CLEAN JOINT TO CONSTRUCT PROPOSED PAVEMENT.
 - 4 CONSTRUCT CONCRETE VERTICAL CURB. SEE DETAIL SHEET
 - 5 CONSTRUCT INTEGRAL CURB AND CONCRETE SIDEWALK. SEE DETAIL SHEET.
 - 6 TIE PROPOSED WALK INTO EXISTING WALK AT JOINT.
 - 7 INSTALL ADA RAMP. TAPER WALK DOWN OVER 8' TO ENSURE ADA COMPLIANT SLOPE OF 1" PER FOOT. MATCH INTO EXISTING PAVEMENT.
 - 8 TAPER INTEGRAL CURB DOWN WITH WALK OVER 8' FOR ADA RAMP. MATCH INTO EXISTING PAVEMENT. NOTE FOR CURB ON EAST SIDE ONLY.
 - 9 VERTICAL CURB FOR LANDSCAPE AREA AT FULL HEIGHT WHERE WALK TIES INTO EXISTING PAVEMENT. TAPER IN REVERSE DIRECTION OVER 8' TILL LANDSCAPE CURB IS FLUSH WITH WALK AT BEGINNING OF ADA RAMP TAPER.
 - 10 MATCH PROPOSED CURB INTO EXISTING CURB.
 - 11 CONSTRUCT CONCRETE ROLLED GUTTER. CONTINUE SLOPE FROM ROAD 4" TO CENTER OF 2' WIDE CHANNEL. SEE DETAIL.
 - 12 RECONSTRUCT PARKING STALLS AND CONSTRUCT ADDITIONAL STALL.
 - 13 INSTALL WHITE PAINT PARKING STALL STRIPING, 4".
 - 14 INSTALL WHITE THERMOPLASTIC STOP BAR, 24".
 - 15 INSTALL WHITE THERMOPLASTIC ARROW.
 - 16 INSTALL WHITE THERMOPLASTIC CROSS WALK STRIPING, 12".
 - 17 LANDSCAPE ISLANDS. PROVIDE MIN. 12" TOPSOIL AND GRASS.

UTILITY STRUCTURE LEGEND

| | |
|-----|--------------------------------------|
| 10 | STORM SEWER STRUCTURE LABEL |
| X10 | EXISTING STORM SEWER STRUCTURE LABEL |
| D-1 | STORM SEWER PROFILE RUN |
| A | PR. SANITARY SEWER STRUCTURE LABEL |
| X-A | EX. SANITARY SEWER STRUCTURE LABEL |
| S-1 | SANITARY SEWER PROFILE RUN |
| W-1 | WATER PROFILE RUN |
| G-1 | GAS PROFILE RUN |

HATCH LEGEND

| | |
|--|---|
| | 4.5" ASPHALT PAVEMENT - SEE TYPICAL SECTION DETAIL |
| | 8" CONCRETE PAVEMENT - SEE DETAIL |
| | 4" CONCRETE SIDEWALK - SEE DETAIL |
| | RIPRAP - SEE DETAIL |



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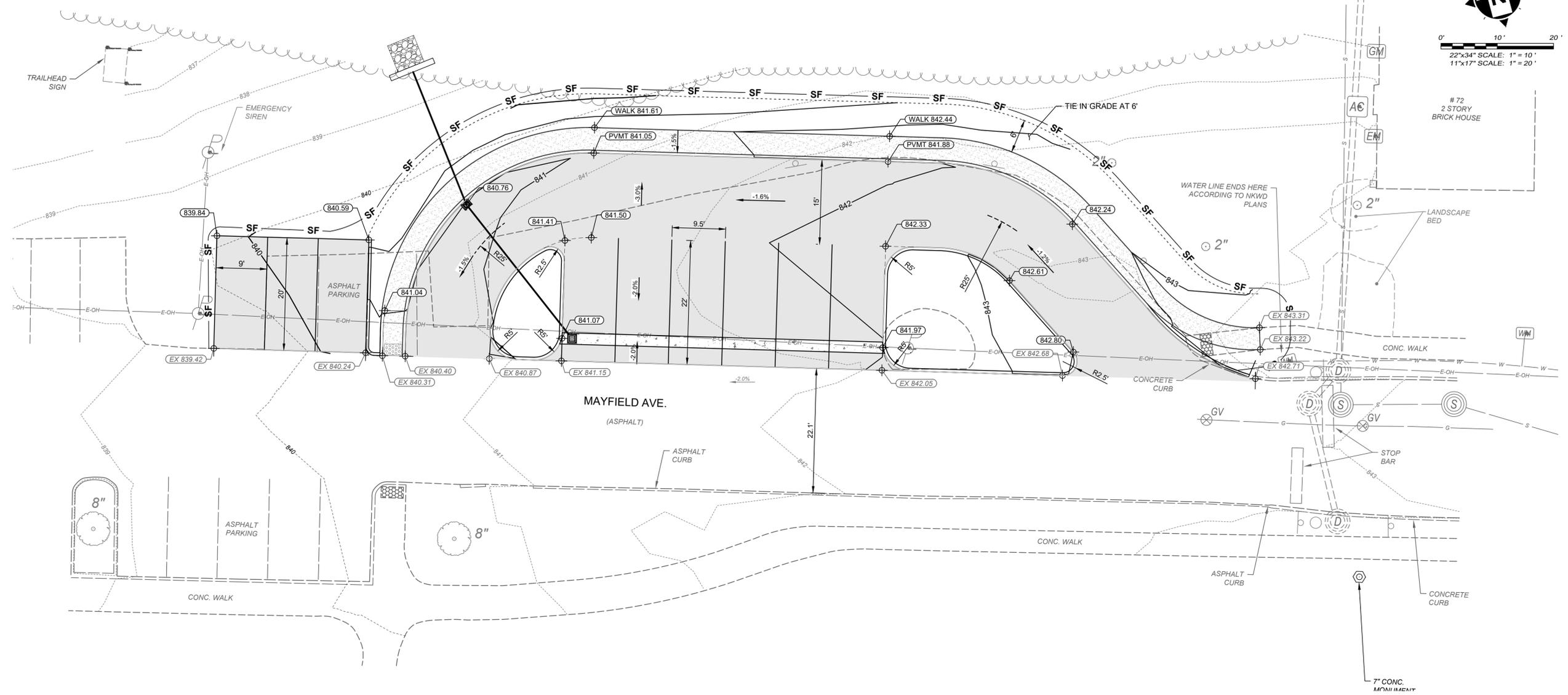
HIGHLAND PARK TURNAROUND
 - CITY OF FORT THOMAS, KY 41075 -

LAYOUT

| | |
|-------------|--------|
| PROJECT NO. | 37780 |
| DISCIPLINE | CIVIL |
| SHEET NAME | LAYOUT |
| SHEET | 7 |
| OF | 8 |



0' 10' 20'
 22"x34" SCALE: 1" = 10'
 11"x17" SCALE: 1" = 20'



| GRADING LEGEND | |
|--|-------------|
| EXISTING SPOT ELEVATION | EX 232.46 |
| PROPOSED SPOT ELEVATION | 232.60 |
| PROPOSED SPOT ELEVATION (TRUNCATED) | GR 32.60 |
| PROPOSED SPOT ELEVATION AT TOP/BACK OF CURB | TC 232.60 |
| PROPOSED SPOT ELEVATION AT FACE/BOTTOM OF CURB | FC 232.60 |
| PROPOSED SPOT ELEVATION AT TOP/BACK OF WALL | TW 232.60 |
| PROPOSED SPOT ELEVATION AT FACE/BOTTOM OF WALL | FW 232.60 |
| PROPOSED SPOT ELEVATION AT HIGH POINT | HP 232.60 |
| PROPOSED SPOT ELEVATION AT LOW POINT | LP 232.60 |
| PROPOSED SPOT ELEVATION AT STRUCTURE GRATE | GR 232.60 |
| PROPOSED GRADE LABEL | 10.8% |
| PROPOSED SLOPE LABEL | 4:1 |
| PROPOSED GRADE BREAK | GRADE BREAK |
| PROPOSED GRADING VALLEY | VALLEY |
| DIRECTION OF FLOW | ← |

| EROSION CONTROL LEGEND | |
|------------------------|-------------------------------|
| IP | INLET PROTECTION (SEE DETAIL) |
| CE | CONSTRUCTION ENTRANCE |
| WA | CONCRETE WASHOUT |
| RCP | ROCK CHANNEL PROTECTION |
| SF | PROPOSED SILT FENCE |

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| DESIGNED BY: <td>RSEI <td></td> </td> | RSEI <td></td> | |
| DRAWN BY: <td>AWAL <td></td> </td> | AWAL <td></td> | |
| CHECKED BY: <td>FTWE <td></td> </td> | FTWE <td></td> | |

HIGHLAND PARK TURNAROUND
 - CITY OF FORT THOMAS, KY 41075 -
GRADING AND EROSION CONTROL

| | |
|-------------|---------|
| PROJECT NO. | 37780 |
| DISCIPLINE | CIVIL |
| SHEET NAME | GRADING |
| SHEET | 8 |
| OF | 8 |