

54 W MAIN STREET
HINDMAN, KY 41822

LEBURN, KY

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<p><u>OWNER:</u></p> <p>KNOTT COUNTY FISCAL COURT 54 W MAIN STREET HINDMAN, KY 41822 PHONE: 606-785-5592 CONTACT:</p>	<p><u>TELECOMMUNICATIONS:</u></p> <p>TVS CABLE/THACKER GRIGSBY 60 COMMUNICATION LANE HINDMAN, KY 41822 PHONE: 606-785-9500 CONTACT: FREDDIE WILLIAMS</p>	<p><u>ELECTRIC:</u></p> <p>KENTUCKY POWER COMPANY 1459 EAST MAIN STREET HAZARD, KY 41701 PHONE: 800-756-6937 PHONE: 800-572-1113 CONTACT: GREG FUGATE</p>
<p><u>NATURAL GAS:</u></p> <p>DIVERSIFIED GAS & OIL 100 DIVERSIFIED WAY PIKEVILLE, KY 41501 PHONE: 800-752-6007 CONTACT: SETH LONG</p>	<p><u>NATURAL GAS:</u></p> <p>COLUMBIA GAS OF KY 6090 HURRICANE ROAD PIKEVILLE, KY 41501 PHONE: 606-478-9683 CONTACT:</p>	
		

● IRON PIN FOUND (IPF)
 ○ IRON PIN SET (IPS)
 ↓ EXISTING GUY WIRE
 ⊥ EXISTING POWER POLE
 ⊙ EXISTING SEWER MANHOLE
 ⊙ PROPOSED SEWER MANHOLE
 ⊕ EXISTING GATE VALVE
 ⊕ PROPOSED GATE VALVE
 ⊕ EXISTING WATER METER
 ⊕ PROPOSED WATER METER
 ⊕ PROPOSED SEWER SERVICE
 ⊕ EXISTING FIRE HYDRANT
 ⊕ PROPOSED FIRE HYDRANT
 ⊕ EXISTING TRANSFORMER
 ⊕ PROPOSED ELEC. VAULT
 ⊕ PROPOSED ELEC. SERVICE
 ⊗ EXISTING TELEPHONE PED.
 ⊗ EXISTING CATV PED.
 ⊕ EXISTING CURB BOX INLET
 ⊕ PROPOSED CURB BOX INLET
 ⊕ PROPOSED STREET LIGHT
 --- EXIS. ELEC. (UNDERGROUND/OVERHEAD)
 --- PRO. ELEC. (UNDERGROUND/OVERHEAD)
 --- PROPOSED SECONDARY (UNDERGROUND)
 --- GAS EXISTING GAS LINE
 --- GAS PROPOSED GAS LINE
 --- S EXISTING SANITARY SEWER
 --- S PROPOSED SANITARY SEWER
 FM EXISTING FORCE MAIN
 FM PROPOSED FORCE MAIN
 --- EXISTING WATER LINE
 --- PROPOSED WATERLINE
 T EXISTING TELEPHONE
 T PROPOSED TELEPHONE
 CTV PROPOSED CABLE TV
 ETCP PROPOSED JOINT TRENCH
 ○ PROPOSED FENCELINE
 --- PROPERTY LINE
 --- SILT FENCE
 --- -500- EXISTING CONTOURS
 500 PROPOSED CONTOURS
 EXISTING PAVEMENT
 EXISTING PAVEMENT
 EXISTING BUILDINGS
 PROPOSED BUILDINGS
 EXISTING SIDEWALK
 PROPOSED SIDEWALKS
 EXISTING CONCRETE
 PROPOSED CONCRETE
 EXISTING GRAVEL
 PROPOSED GRAVEL
 LANDSCAPE AREAS
 EXISTING TREELINE
 EX. CROSS-WALK
 PRO. CROSS-WALK
 10' 5' 10' 10' 20' 10'
 10' WATERLINE ESM'T
 5' ESM'T SIDE OF LINE
 20' SEWER LINE ESM'T
 10' EACH SIDE OF LINE

Map of Leburn, KY showing the location of the Knott County Sports Complex and Chestnut Mountain. The map includes a compass rose indicating North, and a scale bar showing 337 meters. The Knott County Sports Complex is highlighted in green, and Chestnut Mountain is marked with a red dot. The map also shows the location of the project area, labeled "PROJECT LOCATION".

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C 3.1	EROSION CONTROL PLAN
C 3.2	EROSION CONTROL DETAILS

DRAFT - NOT FOR CONSTRUCTION

REVISIONS	
DATE	DESCRIPTION

**CHESTNUT RIDGE SUBDIVISION
PHASE III DEVELOPMENT**

LEBURN, KY

DETAILED BY:	TJB
REVIEWED BY:	SRH
JOB NO:	23-01-039
DATE:	Jul. 23, 2025
SCALE:	N.T.S.

C0.0

COVER
SHEET

<div>GENERAL NOTES</div> <div><p>• ALL BORES UNDER STATE HIGHWAY RIGHT-OF-WAY SHALL BE A MINIMUM OF 42" AT TOP OF CASING BELOW ROADWAY SURFACE. BORES ARE TO BE LOCATED NO CLOSER THAN 25' FROM ANY KYTC CULVERT OR CROSSDRAIN AND BORING PITS SHALL BE EXCAVATED AT THE TOE-OF-SLOPE OF ANY HIGHWAY FILL.</p><p>• THERE SHALL BE NO BLASTING WITHIN STATE RIGHT-OF-WAY WITHOUT WRITTEN CONSENT FROM THE KENTUCKY TRANSPORTATION CABINET.</p><p>• TRAFFIC CONTROL SHALL BE MAINTAINED AND FLAG PERSONS ARE REQUIRED AT ALL TIMES DURING CONSTRUCTION. TWO (2) FLAG PERSONS WILL BE REQUIRED WHEN 1-LANE TRAFFIC IS BEING MAINTAINED. THE PROJECT WILL HAVE ADVANCE WARNING SIGNS 1-MILE EACH SIDE OF THE WORK ZONE. ADVANCE WARNING SIGNS WILL BE MOVED AS THE PROJECT CONSTRUCTION ADVANCES. TRAFFIC CONTROL IS TO BE AS PER MUTCD STANDARDS.</p><p>• KENTUCKY TRANSPORTATION CABINET (KYTC) RIGHT-OF-WAY AS DEPICTED ON THESE PLANS WAS INTERPOLATED FROM AVAILABLE KYTC ROW MAPS AND SHOULD BE CONSIDERED APPROXIMATED.</p><p>• PIPING SHALL HAVE A MINIMUM COVER OF 42" ALONG KYTC ROW AND 36" AT ALL OTHER LOCATIONS.</p><p>• PROPOSED UTILITIES MUST GO UNDER OR AROUND EXISTING HIGHWAY CULVERT PIPES. UTILITIES MAY NOT BE PLACED OVER EXISTING HIGHWAY CULVERTS. MINIMUM SEPARATION BETWEEN CULVERT PIPE AND WATERLINE IS 5'.</p><p>• CARE SHALL BE TAKEN BY THE CONTRACTOR TO AVOID CRACKING OR BREAKING THE BITUMINOUS PAVING. THE CONTRACTOR AT THEIR OWN EXPENSE SHALL REPAIR ALL DAMAGE TO THE EXISTING PAVING CAUSED BY THE CONTRACTOR'S OPERATION. PAVING PROTECTION SHALL BE ACCOMPLISHED BY THE USE OF RUBBER AND STREET PADDED MACHINERY OR OTHER APPROVED EQUIPMENT WELL SUITED FOR THIS TYPE OF CONSTRUCTION.</p><p>• BACKFILL AROUND ALL STRUCTURES SHALL BE SUFFICIENTLY COMPACTED TO PREVENT SETTLEMENT AND PONDING OF WATER AROUND STRUCTURES AND GRADED TO DIVERT RUNOFF AWAY FROM THE STRUCTURES.</p><p>• REGRADE OF SITE SHALL BE SUCH THAT DRAINAGE IS POSITIVE AWAY FROM ALL STRUCTURES.</p><p>• THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES AND STRUCTURES IN THE FIELD PRIOR TO CONSTRUCTION. ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES AND STRUCTURES SHALL BE PRESERVED UNLESS OTHERWISE NOTED ON THE PLANS. DAMAGES TO EXISTING UTILITIES AND/OR STRUCTURES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.</p><p>• EXISTING UTILITIES, ESPECIALLY GAS LINES AND OIL LINES, MAY BE CATHODICALLY PROTECTED. THEREFORE, DUCTILE IRON PIPE, FITTINGS, GATE VALVES, AND/OR BOXES LAID WITHIN 100' OF THESE LINES WITH CATHODIC PROTECTION SHALL BE WRAPPED IN POLYETHYLENE ENCASEMENT. MATERIAL AND INSTALLATION SHALL MEET THE REQUIREMENTS OF AWWA'S LATEST REVISION.</p><p>• ROCK SOUNDINGS WERE NOT PERFORMED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE APPROPRIATE ACTION TO DETERMINE SUBSURFACE CONDITIONS.</p><p>• THE CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS AND ALL DIMENSION PRIOR TO BIDDING/CONSTRUCTION.</p><p>• DIMENSIONS, DETAILS AND REINFORCEMENT MAY VARY WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL OBTAIN AND MAINTAIN ON SITE APPROVED SHOP DRAWINGS PRIOR TO BEGINNING CONSTRUCTION. SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.</p><p>• UNLESS OTHERWISE NOTED, A SEPARATE BID ITEM HAS NOT BEEN ESTABLISHED FOR FITTINGS. THE FITTINGS INCLUDED BUT NOT LIMITED TO ARE: TEES, BENDS, PLUGS, REDUCERS, CROSSES, COUPLINGS, ETC. CONTRACTORS SHALL INCLUDE THE COST OF THESE ITEMS IN THE BID PRICE FOR THE PIPE.</p><p>• ALL EXCAVATION IS UNCLASSIFIED. COMPENSATION FOR ALL EXCAVATION SHALL BE INCLUDED IN LUMP SUM BID.</p><p>• NO PAY ITEM FOR EXTRA TRENCH DEPTH HAS BEEN SET UP. CONTRACTOR SHALL INCLUDE THE COST OF THE ADDITIONAL DEPTH IN HIS BID PRICE.</p><p>• THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION.</p><p>• ALL CONSTRUCTION AND INSTALLATION OF MATERIALS BEING USED SHALL BE IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS PREPARED BY THE ENGINEER OF RECORD. SUBSTITUTIONS AND DEVIATION SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.</p><p>• ALL VALVES AND APPURTENANCES SHALL BE LOCATED AT THE BACKSIDE OF THE DITCHLINE. VALVE LOCATIONS SHALL BE COORDINATED WITH THE RESIDENT INSPECTOR PRIOR TO INSTALLATION. THE GENERAL LOCATION OF THE PROPOSED WATER MAIN IS TO BE IN THE DITCHLINE OR AT THE BACK OF THE DITCHLINE.</p><p>• CONTRACTOR TO DIS/EXPOSE EXISTING WATER MAIN FAR ENOUGH AHEAD OF NEW WATER MAIN CONSTRUCTION TO AVOID DAMAGE TO EXISTING WATER MAIN AND/OR INTERRUPTION OF EXISTING CUSTOMER SERVICES.</p><p>• IN THE EVENT OF A CONFLICT BETWEEN ANY PORTION OF THE CONTRACT DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.</p><p>• CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY REMOVAL/RELOCATION OF TRAILERS, BUILDINGS, FENCES, TREES, SHRUBS, ETC. AND REPLACEMENT OF SAID ITEMS AFTER CONSTRUCTION ACTIVITIES.</p><p>• IN OCCUPYING THE SITE AND COMMENCING WORK IN ACCORDANCE WITH THE NOTICE TO PROCEED, THE CONTRACTOR ASSUMES TOTAL AND COMPLETE RESPONSIBILITY FOR THE WORK UNTIL FINAL PAYMENT AND RELEASE OF CLAIMS. ANY PORTION OF THE WORK DAMAGED IN THIS TIME PERIOD BY ACTS OF GOD, OR THE PUBLIC ENEMY, ACTS OF THE OWNER, ACTS OF OTHER CONTRACTORS, FIRES, FLUKES, EPIDEMICS, QUARANTINE, STRIKES, FREIGHT EMBARGOS, VANDALISM, AND ABNORMAL WEATHER SHALL BE CORRECTED, REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.</p><p>• WHERE UNSTABLE MATERIAL IS ENCOUNTERED OR WHERE THE DEPTH OF EXCAVATION IN EARTH EXCEEDS FIVE (5) FEET, THE SIDES OF THE TRENCH OR EXCAVATION SHALL BE SUPPORTED BY SUBSTANTIAL SHEETING, BRACING, AND SHORING OR THE TRENCH SIDES SLOPED. SLOPING THE SIDES OF THE DITCH WILL NOT BE PERMITTED IN STREETS, ROADS, NARROW RIGHT-OF-WAY OR OTHER CONSTRICTED AREAS UNLESS OTHERWISE SPECIFIED. THE STANDARDS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT AND THE KENTUCKY LABOR CABINET SHALL BE FOLLOWED.</p><p>• THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL SELECT THE MEANS, METHODS, SEQUENCES, AND TECHNIQUES OF CONSTRUCTION HE DEEMS APPROPRIATE FOR ACCOMPLISHING THE WORK IN A SAFE MANNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO PERSONS AND PROPERTY RESULTING FROM HIS ACTIVITIES.</p><p>• THE WORK ZONE WILL BE CLEANED AND DRESSED AT THE END OF EACH WORKDAY. DURING CONSTRUCTION, ALL EMBANKMENTS, REFILLS AND EXCAVATION SHALL BE MAINTAINED IN SUCH A MANNER AS TO DRAIN EFFECTIVELY AT ALL TIMES. ANY WORK AROUND CULVERT CROSS-DRAINS REQUIRES THE INLET END OF THE CULVERT TO BE PROTECTED WITH SILT CHECK, NO DEBRIS, DIRT, ROCKS, OPEN TRENCHES OR EQUIPMENT WILL BE LEFT WITHIN THE ROADWAY, SHOULDER AND DITCH. AT THE END OF EACH WORKDAY, THE ROADWAY SHALL BE CLEANED WITH A POWER BROOM AND, IF NECESSARY, A PRESSURE WASHER.</p><p>• FINAL CLEANUP AND RESTORATION</p><p>UNLESS SPECIFICALLY APPROVED BY THE OWNER AND ENGINEER, CLEANUP OF DISTURBED AREAS SHALL BE KEPT CURRENT WITH CONSTRUCTION AND RESTORATION EFFORTS BY THE CONTRACTOR INITIATED NO LONGER THAN TWO (2) WEEKS AFTER THE TRENCH EXCAVATION WORK HAS STARTED. ALL EXCAVATED MATERIAL NOT REQUIRED FOR BACKFILLING OF THE TRENCH AND ANY LARGE ROCKS, STONES OR DEBRIS SHALL BE REMOVED FROM THE SITE, AND SHALL NOT BE A BURDEN TO THE PROPERTY OWNER(S) AND/OR ADJACENT PROPERTIES. THE CONTRACTOR MAY WINDROW OR TRACK-IN THE EXCAVATED MATERIAL OVER THE TRENCH PRIOR TO FINAL CLEANUP TO ALLOW FOR AND TO ASSIST IN THE INITIAL SETTLEMENT OF THE TRENCH. ALL DISTURBED AREAS MUST BE SEEDED AT LEAST WITH A TEMPORARY SEED MIX IF FOR SOME REASON THE AREA CANNOT BE PERMANENTLY SEEDED WITHIN TWO (2) WEEKS.</p><p>• PROPERTY LINES AS SHOWN ON PLANS ARE APPROXIMATE AND NO GUARANTEE IS MADE AS TO THEIR ACCURACY.</p><p>• THE ENGINEER SHALL BE THE OWNER'S DESIGNATED SITE REPRESENTATIVE. ALL COMMUNICATION FROM THE CONTRACTOR, AND TO THE CONTRACTOR, SHALL BE THROUGH THE ENGINEER.</p><div>RECORD DRAWINGS</div><p>UPON COMPLETION OF CONSTRUCTION, AND BASED UPON THE CONTRACTOR/RPR RED-LINED DRAWINGS, THE CONTRACTOR/RPR SHALL PROVIDE THE RED-LINED DRAWINGS TO ENGINEER WHO PRODUCES RECORD DRAWINGS IN AUTOCAD FORMAT. DRAWINGS SHALL BE REFERENCED TO THE KENTUCKY STATE PLANE COORDINATE SYSTEM, NAD83 KENTUCKY SINGLE ZONE. SURVEYS SHALL BE TIED TO A MINIMUM OF TWO ACCEPTED GPS MONUMENTS OR ONE GPS TIE POINT PLUS AN ASTRONOMIC OBSERVATION TO DETERMINE GRID NORTH. THE SURVEY SHALL BE COMPLETED BY A LAND SURVEYOR LICENSED IN THE STATE OF KENTUCKY. IN ADDITION, THE RECORD DRAWINGS SHALL SHOW FINAL VERTICAL AND HORIZONTAL ALIGNMENT OF ALL BURIED UTILITIES ADDED OR MOVED AS A RESULT OF CONSTRUCTION. THEY SHALL INCLUDE ALL LINES, ACTUAL FIELD ANGLES BETWEEN LINES, SERVICES LINES AND TEE LOCATIONS, VALVE VAULTS AND VALVE BOXES, AND STUBOUTS. THEY SHALL REFLECT ALL ALIGNMENT AND GRADE CHANGES FROM THE DESIGN DRAWINGS MADE DURING CONSTRUCTION. RECORD DRAWINGS MUST BE COMPLETED AND SUBMITTED PRIOR TO ACCEPTANCE OF THE FACILITIES, AND IN ACCORDANCE WITH SECTION 01785 PROJECT RECORD DOCUMENTS OF THE SPECIFICATIONS.</p></div>	<div>GENERAL NOTES CONTINUED</div> <div><p>1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES, ORDINANCES, REGULATIONS, AND OTHER REQUIREMENTS NECESSARY TO COMPLETE THE WORK. THIS INCLUDES PROVISIONS FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY, BUILDING CODES, MANUFACTURE CODES (ASTM AND ACI, AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)).</p><p>2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IN CASES WHERE CONFLICTS EXIST BETWEEN LOCAL STANDARD SPECIFICATIONS OR STANDARD DRAWINGS, THE CONTRACT DOCUMENTS SHALL PREVAIL. THE ENGINEER SHALL HAVE FINAL DETERMINATION IN ANY CONFLICTS.</p><p>3. ALL CONSTRUCTION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IN ACCORDANCE WITH KENTUCKY DIVISION OF WATER (DOW).</p><p>4. DEVIATIONS FROM THE PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.</p><p>5. PRIOR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE ADEQUACY OF EXISTING MATERIALS SUCH AS FILL, DEWATERING REQUIREMENTS, CLEAN FILL REQUIRED FROM OFFSITE, AND MATERIALS TO BE DISPOSED OF OFFSITE. ANY DELAY, INCONVENIENCE, OR EXPENSE CAUSED TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED. ANY MATERIALS ANTICIPATED TO BE ENCOUNTERED DURING CONSTRUCTION MAY REQUIRE DRYING PRIOR TO USE AS BACKFILL, AND THE CONTRACTOR MAY HAVE TO IMPORT MATERIALS, AT NO EXTRA COST TO THE OWNER, FROM OFFSITE TO MEET THE REQUIREMENTS FOR COMPACTION AND PROPER FILL.</p><p>6. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIAL, EQUIPMENT, TOOLS, AND SERVICES REQUIRED TO COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.</p><p>7. SHOP DRAWINGS SHALL BE SUBMITTED AS SPECIFIED IN THE PROJECT SPECIFICATIONS.</p><p>8. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE KENTUCKY DIVISION OF WATER (DOW) APPROVED SPECIFICATIONS AND DRAWINGS ON-SITE THROUGHOUT CONSTRUCTION.</p><p>9. THE CONTRACTOR SHALL PROTECT UTILITIES AND OTHER IMPROVEMENTS SHOWN ON THESE PLANS, ALONG WITH OTHER UTILITIES AND OTHER IMPROVEMENTS NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UTILITIES AND OTHER IMPROVEMENTS DAMAGED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE OWNER, AND SHALL MAINTAIN SUFFICIENT PROTECTION TO UTILITIES REQUIRED TO PROTECT THEM FROM DAMAGE AND TO PROTECT THE PUBLIC DURING CONSTRUCTION.</p><div>GENERAL CONSTRUCTION</div><p>1. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING STRUCTURE, FACILITY, OR LANDSCAPING DAMAGED DUE TO CONSTRUCTION ACTIVITIES. THIS WORK SHALL BE AT NO ADDITIONAL COST TO THE OWNER.</p><p>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY CONSTRUCTION ACTIVITIES FROM TAKING PLACE OUTSIDE OF THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS. ANY ON-SITE OR OFF-SITE AREAS DISTURBED SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. RESTORATION OF WORK OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE AT NO ADDITIONAL COST TO THE OWNER.</p><p>3. UPON COMPLETION OF CONSTRUCTION, ALL AREAS SHALL BE COMPLETELY CLEAR OF ALL TIMBER, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, ROCKS (ONE-INCH AND LARGER), AND ALL OTHER DEBRIS AND OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE GROUND.</p><p>4. CONTRACTOR SHALL ADJUST ELEVATION TO FINAL GRADE ANY SURFACE FEATURE (RIM, GRATE, INLET STRUCTURE, OUTLET STRUCTURE, CURB, GUTTER, OR OTHER) AS REQUIRED BY NEW CONSTRUCTION OR GRADING. THIS WORK SHALL BE AT NO ADDITIONAL COST TO THE OWNER.</p><p>5. EXCAVATION AND DISPOSAL OF ALL TREES, BRANCHES, LIMBS, AND BRUSH, DEMOLITION DEBRIS, TRENCH SPOILS, ROCK, PAVEMENT MATERIALS (CONCRETE OR ASPHALT), SANITARY PIPE AND MANHOLES, STORM PIPE AND MANHOLES, OR OTHER WASTE MATERIALS SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND CODES.</p><p>6. ALL DEWATERING COSTS ASSOCIATED WITH THE INSTALLATION AND CONSTRUCTION OF THE UNDERGROUND UTILITIES: STORM WATER PIPES AND MANHOLES, SANITARY SEWER MAINS, FORCE MAINS, MANHOLES, AND LIFT STATIONS; AND STORM WATER MANAGEMENT SYSTEMS SHALL BE INCLUDED AS PART OF THE CONSTRUCTION BID COSTS. ALL PIPES SHALL HAVE 4 FEET MINIMUM COVER UNLESS OTHERWISE SPECIFIED IN PLANS. CONTRACTOR SHALL TAKE CARE TO PROVIDE PROPER GRADE ELEVATIONS AND ALIGNMENTS. A DEWATERING PLAN MUST BE SUBMITTED AND APPROVED PER SPECIFICATION SECTION 02240.</p><div>NOTICES</div><p>1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.</p><p>2. THE CONTRACTOR SHALL REQUEST, AT LEAST 72 HOURS IN ADVANCE, PERMISSION TO WORK OUTSIDE THE SPECIFIED WORK HOURS OR FOR ANY WEEKEND WORK.</p><p>3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR RESIDENT PROJECT REPRESENTATIVE (RPR) AT LEAST FORTY EIGHT (48) HOURS BEFORE REQUIRED INSPECTION ON EACH AND EVERY PHASE OF WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR RPR A MINIMUM OF FORTY EIGHT (48) HOURS PRIOR TO ANY SCHEDULED TESTING. NO PRESSURE TESTING OR FINAL TESTING WILL BE ACCEPTED UNLESS WITNESSED BY THE RPR.</p><p>4. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS A MINIMUM OF THREE BUSINESS DAYS (72 HOURS) IN ADVANCE OF ENTERING OR CROSSING THEIR PROPERTY FOR ANY CONSTRUCTION RELATED ACTIVITY. THIS SHALL INCLUDE CONSTRUCTING TEMPORARY FENCING PER ANY MEMO OF UNDERSTANDING (MOU) IN ADVANCE OF REMOVING ANY EXISTING FENCING.</p><div>SURVEYING</div><p>1. THE CONTRACTOR SHALL VERIFY ALL HORIZONTAL AND VERTICAL CONTROL SHOWN ON THE PLANS. THE ENGINEER SHALL BE NOTIFIED OF ANY CONFLICTS PRIOR TO INITIATION OF ANY CONSTRUCTION WORK.</p><p>2. THE CONTRACTOR(S) IS RESPONSIBLE FOR ITS RESPECTIVE SURVEYING AND LAYOUT FROM THE HORIZONTAL AND VERTICAL CONTROL PROVIDED ON THE PLANS.</p><p>3. ANY SURVEY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE REPLACED UPON COMPLETION OF THE WORK BY A REGISTERED LAND SURVEYOR IN THE STATE OF KENTUCKY.</p><p>4. THE CONTRACTOR AND THE RPR SHALL MAINTAIN INDEPENDENT RECORDS OF ALL CONSTRUCTION WHICH SHALL BE SUBMITTED TO THE ENGINEER UPON COMPLETION OF CONSTRUCTION.</p><div>JOB SITE SAFETY</div><p>1. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL APPLICABLE OSHA REGULATIONS.</p><p>2. CONTRACTOR SHALL PROVIDE FOR FIRE PROTECTION FOR ALL AREAS UNDER CONSTRUCTION AND IN AREAS WHERE COMBUSTIBLES ARE STORED.</p><p>3. DURING CONSTRUCTION, WHEN COMBUSTIBLES ARE BROUGHT ONTO THE SITE IN SUCH QUANTITIES AS DEEMED HAZARDOUS BY THE FIRE OFFICIAL, STABILIZED ACCESS ROADS AND A SUITABLE TEMPORARY SUPPLY OF WATER ACCEPTABLE TO THE FIRE DEPARTMENT SHALL BE PROVIDED AND MAINTAINED.</p></div>	<div>PERMITS</div> <div><p>1. THE OWNER WILL OBTAIN AND PAY ALL RELATED COSTS, AS REQUIRED, FOR THE FOLLOWING RELATED PROJECT PERMITS:</p><ul style="list-style-type: none">KENTUCKY TRANSPORTATION CABINET (KYTC) RIGHT-OF-WAY ENCROACHMENT PERMITKENTUCKY DIVISION OF WATER (DOW) CONSTRUCTION PERMIT (NOI KYR10)DOW FLOODPLAIN PERMITUNITED STATES ARMY CORPS OF ENGINEER (COE) CONSTRUCTION PERMIT (404) OR NATIONWIDE PERMITANY REQUIRED RAILROAD PERMITANY REQUIRED ENVIRONMENTAL PERMIT OR AGREEMENTKENTUCKY DIVISION OF HOUSING, BUILDING AND CONSTRUCTION PERMIT<p>2. THE CONTRACTOR WILL OBTAIN AS REQUIRED, AND PAY ALL RELATED COSTS AS INCIDENTAL TO THE CONTRACT, THE FOLLOWING RELATED PROJECT PERMITS:</p><ul style="list-style-type: none">KENTUCKY POLLUTION DISCHARGE ELIMINATION SYSTEM (KPDES) NOTICE OF INTENT (NOI)KENTUCKY DIVISION OF PLUMBING PERMITKENTUCKY ELECTRICAL PERMITBUILDING PERMIT (LOCAL ONLY, COUNTY OF VENUE)KENTUCKY TRANSPORTATION CABINET (KYTC) TRAFFIC ENGINEERING TRAFFIC CONTROL OR LANE CLOSURE PERMIT<p>3. COPIES OF ALL PERMITS SHALL BE MAINTAINED ONSITE BY THE CONTRACTOR AT ALL TIMES.</p><p>4. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL PERMITS, INCLUDING KYR10 STORM WATER CONSTRUCTION, THE COST OF WHICH SHALL BE INCIDENTAL TO THE CONTRACT. ANY PENALTIES OR FINES FOR PERMIT NON-COMPLIANCE SHALL BE BORNE SOLELY BY THE CONTRACTOR.</p><p>5. CONTRACTOR SHALL SUBMIT TO THE ENGINEER, FOR REVIEW AND APPROVAL, PEDESTRIAN AND VEHICULAR TRAFFIC CONTROL PLANS (TCP).</p><p>6. CONTRACTOR SHALL CONTACT, KYTC DISTRICT 10 PERMITS SUPPORT BRANCH (606-666-8841), REGARDING REQUESTS FOR LANE CLOSURE OF ANY STATE MAINTAINED ROAD.</p><div>EXISTING UTILITIES</div><p>1. THE LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE INFRASTRUCTURE SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION. INDIVIDUAL SERVICE LINES ARE NOT SHOWN.</p><p>2. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE KENTUCKY UNDERGROUND (811) FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. CONTRACTOR IS CAUTIONED THAT SOME UTILITIES ARE NOT MEMBERS OF KENTUCKY UNDERGROUND PROTECTION AND PRIVATE UTILITIES ARE NOT LOCATED BY KENTUCKY UNDERGROUND PROTECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACTIVE KENTUCKY UNDERGROUND PROTECTION MARKINGS.</p><p>3. RESTORATION OR REPAIR OF ANY DISTURBED OR DAMAGED UTILITY OR STORMWATER INFRASTRUCTURE, WHETHER LOCATED BY KENTUCKY UNDERGROUND PROTECTION OR NOT, SHALL BE AT THE CONTRACTOR'S EXPENSE.</p><p>4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITIES WHETHER SHOWN ON THE PLAN OR LOCATED BY KENTUCKY UNDERGROUND PROTECTION OR THE UTILITY COMPANY. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO INITIATION OF CONSTRUCTION.</p><p>5. THE CONTRACTOR SHALL NOTIFY AMERICAN ELECTRIC POWER (AEP) AT LEAST 30 DAYS PRIOR TO CONSTRUCTING WITHIN 25 FT OF ANY EXISTING DISTRIBUTION OR TRANSMISSION POLES. KENTUCKY UTILITIES WILL ARRANGE FOR TEMPORARY BRACING OR GUY WIRE RELOCATIONS FOR ANY EXISTING UTILITY OR TRANSMISSION POLE WITHIN 25 FT OF THE PROPOSED SEWER LINE. DURING CONSTRUCTION, IF ANY TRENCH EXCAVATION FALLS WITHIN 15 FT OF ANY TRANSMISSION OR SERVICE POLE, THE CONTRACTOR SHALL USE A TRENCH BOX TO SHORE THE GROUND WITHIN THE TRENCH. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PAYMENT OF ANY COSTS FROM AEP ASSOCIATED WITH ITS ASSISTANCE.</p><p>6. A MINIMUM SEPARATION OF EIGHTEEN (18) INCHES IS REQUIRED AT ANY LOCATION WHERE A WATERLINE CROSSES A SANITARY SEWER LINE. IF THIS SEPARATION CANNOT FEASIBLY BE OBTAINED, THE LOWER OF THE TWO PIPES SHALL BE WRAPPED IN POLYETHYLENE AND ENCASED IN CONCRETE FIVE FEET EACH SIDE OF CROSSING.</p><p>7. DUCTILE IRON PIPE SHALL BE ENCASED IN POLYETHYLENE TWENTY-FIVE (25) FEET ON EACH SIDE OF ANY PERPENDICULAR CROSSING OF A METALLIC GAS MAIN, OR WHEN PARALLEL TO AND WITHIN TEN FEET OF A METALLIC GAS MAIN OR OTHER CATHODICALLY PROTECTED PIPE, OR WHEN THE DUCTILE IRON PIPE IS IN THE AREA OF INFLUENCE OF A CATHODIC PROTECTION ANODE BED.</p><div>SPECIAL PROJECT NOTES</div><p>1. ALL VALVES AND ABOVE GROUND STRUCTURES MUST BE PLACED AT THE BACK OF DITCH LINE TO BE IN COMPLIANCE WITH CLEAR ZONE REGULATIONS.</p><p>2. LINE IS TO BE INSTALLED AROUND OR UNDER ANY EXISTING DRAINAGE STRUCTURES WITHIN STATE RIGHT OF WAY.</p><p>3. CONTRACTOR SHALL NOT COMMENCE ANY WORK ON PRIVATE PROPERTY WITHOUT WRITTEN AGREEMENT FROM THE PRIVATE PROPERTY OWNER IN HAND. CONTRACTOR SHALL BEAR ALL RESPONSIBILITY IN CONFIRMING THAT ALL EASEMENTS NECESSARY TO CONSTRUCT THE PROJECT HAVE BEEN SECURED.</p><p>4. ALL BORES UNDER STATE HIGHWAY RIGHT OF WAY SHALL BE A MINIMUM OF 42" AT TOP OF CASING BELOW ROADWAY SURFACE BORES. BORES ARE TO BE LOCATED NO CLOSER THAN 25 FEET FROM ANY KYTC CULVERT OR CROSSDRAIN AND BORING PITS SHALL BE EXCAVATED AT THE TOE OF SLOPE OF ANY HIGHWAY FILL.</p><p>5. MUD AND DEBRIS MUST BE REMOVED IMMEDIATELY.</p><p>6. AT THE END OF EACH WORKDAY, THE ROADWAY SHALL BE CLEANED WITH A POWER BROOM AND, IF NECESSARY, A PRESSURE WASHER.</p><p>7. 1500 FT - 1000 FT - 500 FT TRAFFIC SIGNS MUST BE MAINTAINED (SEE TRAFFIC CONTROL PLAN)</p><p>8. FLAG PERSON(S) ARE REQUIRED AT ALL TIMES.</p><p>9. DITCH LINES MUST BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER.</p><p>10. ANY DAMAGE TO PAVEMENT MUST BE REPAIRED IN ACCORDANCE WITH KYTC SPECIFICATIONS.</p><p>11. ALL DRIVEWAYS MUST BE REPAIRED TO OWNER'S SATISFACTION.</p><p>12. ALL DISTURBED AREAS (ENTRANCES, SLOPES, ETC.) ARE TO BE RESTORED TO THEIR PRE-CONSTRUCTION CONDITIONS.</p><p>13. ALL WATER LINES WILL HAVE A MINIMUM OF 42" COVER.</p><p>14. ALL WATER LINES WILL BE A MINIMUM OF 10 FEET HORIZONTALLY FROM ANY EXISTING WATER LINES.</p><p>15. ALL WATER LINE WILL BE A MINIMUM 42" BELOW THE DITCH LINE AND SHALL GO OUT AND AROUND CULVERTS WHERE POSSIBLE.</p><p>16. MAILBOXES WILL NEED TO BE REMOVED AND THEN REPLACED IN LIKE CONDITION BY CONTRACTOR.</p></div>	<div>EROSION AND SEDIMENT CONTROL</div> <div><p>1. PRIOR TO LAND DISTURBANCE, THE CONTRACTOR SHALL APPLY FOR COVERAGE UNDER THE KPDES PERMIT KYR10 - STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL SUBMIT THE NOTICE OF INTENT (NOI) TO DOW USING THE DOW ELECTRONIC WEB BASED NOI SUBMISSION SYSTEM A MINIMUM OF SEVEN (7) DAYS BEFORE THE PROPOSED DATE FOR COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL DOW HAS PROVIDED WRITTEN ACKNOWLEDGMENT OF PERMIT COVERAGE. ALL PERMITS SHALL BE POSTED ON THE PROJECT SIGN AT THE SITE. THE COSTS OF ACQUIRING THE KPDES PERMIT KYR10 PERMIT SHALL BE INCIDENTAL TO THE CONTRACT.</p><p>2. SOIL AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS.</p><p>3. THE CONTRACTOR SHALL, AT ITS OWN EXPENSE, AMEND THE EROSION AND SEDIMENT CONTROL (ESC) PLAN OR MAKE CHANGES AS NECESSARY AS CONSTRUCTION PROCEEDS. MODIFICATIONS TO ESC SHOULD BE COMPLETED PRIOR TO THE NEXT STORM EVENT IF POSSIBLE. ALL MAINTENANCE REQUIRED BY INSPECTION SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF AN INSPECTION REPORT. THE CONTRACTOR SHALL CLEARLY MARK ON THE ESC PLAN ALL CHANGES THAT ARE MADE, THE LOCATION OF FUELING STATIONS, MAINTENANCE AND CLEANING AREAS, LOADING AREAS, AND LOCATIONS WHERE MATERIALS ARE EXPOSED TO PRECIPITATION.</p><p>4. ESC MEASURES, DISCHARGE LOCATIONS, VEHICLE EXITS, DISTURBED AREAS, AND STORAGE AREAS SHALL BE INSPECTED BY QUALIFIED PERSONNEL EMPLOYED BY THE CONTRACTOR. THE INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT EQUAL TO ½ OR MORE INCHES OF RAIN OR FOUR (4) OR MORE INCHES OF SNOW. REPORTS OF INSPECTIONS SHALL BE KEPT ON-SITE AND MADE AVAILABLE TO INSPECTORS FROM DOW OR KOWSD. FOLLOWING INSPECTIONS, THE CONTRACTOR SHALL TAKE ALL ACTIONS NECESSARY TO MAINTAIN THE FUNCTIONALITY OF THE ESC MEASURES TO INCLUDE BUT NOT BE LIMITED TO:</p><ul style="list-style-type: none">REMOVE SEDIMENT THAT EQUALS OR EXCEEDS ½ OF THE SILT FENCE HEIGHTREMOVE SEDIMENT THAT EQUALS OR EXCEEDS ½ OF THE SEDIMENT STORAGE VOLUME OF ROCK CHECK DAMS OR SEDIMENT PONDSREPAIR OR REPLACE TORN SILT FENCESREMOVE AND PROPERLY DEWATER AND DISPOSE OF SEDIMENT FROM SEDIMENT PONDS OR CONCRETE WASHOUT PITS<p>5. THE CONTRACTOR SHALL SIGN ALL INSPECTION REPORTS IN ACCORDANCE WITH KYR10. THE INSPECTION REPORTS SHALL BE KEPT ON-SITE AND MADE AVAILABLE TO INSPECTORS FROM DOW AND KOWSD.</p><p>6. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITIES HAVE TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14-CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED. ALL DISTURBED AREAS SHALL BE STABILIZED. PERMANENT STABILIZATION SHALL BEGIN WITHIN 14 DAYS OF COMPLETION OF CONSTRUCTION ACTIVITIES. STABILIZATION PRACTICES SHALL INCLUDE SEEDING, MULCHING, PLACING SOD, PLANTING TREES OR SHRUBS, AND/OR USING GEOTEXTILE FABRICS OR OTHER APPROPRIATE MEASURES.</p><p>7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL AND EROSION CONTROL, DEWATERING, WATER POLLUTION CONTROL, BYPASS BYPASS PUMPING AND DUST CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE MEASURES THROUGHOUT THE CONSTRUCTION PERIOD TO PREVENT THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER OR CREEKS AND STREAMS, AND AIRBORNE DUST ONTO ADJACENT PROPERTIES.</p><p>8. DURING LAND DISTURBANCE ACTIVITIES AND UNTIL FINAL SITE STABILIZATION IS ACHIEVED, ALL DISTURBED AREAS SHALL AT ALL TIMES DRAIN TO APPROVED SEDIMENT CONTROL MEASURES. SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING, DEWATERING, OR OTHER ACTIVITIES SHALL BE PUMPED INTO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE, OR CATCH BASIN.</p><p>9. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED SO THAT THEY REMAIN FUNCTIONAL THROUGHOUT THE PROJECT. IF THE EROSION CONTROL MEASURES BECOME INEFFECTIVE DUE TO WEATHERING, DECOMPOSING, OR DAMAGE, CONTRACTOR SHALL REPLACE THE AFFECTED MEASURE IMMEDIATELY AT NO COST TO THE OWNER.</p><p>10. ENGINEER OR RPR MAY REQUIRE THAT CERTAIN AREAS BE TEMPORARILY SEEDED IN ACCORDANCE WITH ESTABLISHED EROSION AND SEDIMENT CONTROL REGULATIONS.</p><p>11. THE CONTRACT STORMWATER MANUAL CONTAINS THE DESIGN AND CONSTRUCTION STANDARDS FOR EROSION AND SEDIMENT CONTROL BMP'S, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:</p><ul style="list-style-type: none">SILT CHECKSSEED AND MULCHROAD AND PARKING AREA STABILIZATIONCONSTRUCTION ENTRANCEDUST CONTROLNETS AND MATSCHECK DAMSEDIMENT TRAPSEDIMENT PONDSILT FENCESTORM DRAIN INLET PROTECTIONTEMPORARY STREAM CROSSINGCONSTRUCTION DEWATERINGCONCRETE WASHOUT PITS<p>12. THE KENTUCKY EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE PROVIDES ADDITIONAL GUIDANCE.</p><p>13. A ROCK CHECK DAM(S), IF REQUIRED, SHALL BE CONSTRUCTED DURING THE FIRST PHASE OF MOBILIZATION AND SHALL REMAIN IN PLACE UNTIL FINAL SITE STABILIZATION IS ACHIEVED. AFTER FINAL SITE STABILIZATION IS ACHIEVED, ROCK CHECK DAM(S) SHALL BE CLEANED OR REPLACED AND RE-GRADED (SPREAD OUT) TO SERVE AS PERMANENT OUTLET PROTECTION(S).</p><p>14. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE. TOPSOIL, STOCKPILES, EXCAVATED STOCKPILES AND BORROW SITES SHALL BE SURROUNDED BY SILT FENCE, RE-SEEDED, AND PLACED WHERE SEDIMENT WILL NOT LEAVE THE SITE.</p><p>15. ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION. FINAL STABILIZATION IS DEFINED AS A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OR MORE ON NON-PAVED AREAS. TRAPPED SEDIMENT AND AREAS DISTURBED DURING REMOVAL OF THE CONTROLS SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.</p><p>16. TOPSOIL IN AREAS OF EXCAVATION MAY BE STRIPPED AND SEPARATELY STOCKPILED ON-SITE FOR FINISH LANDSCAPING AND/OR GRADING.</p><div>SPILL PREVENTION AND CONTROL</div><p>THE FOLLOWING PRACTICES FOR SPILL PREVENTION, CONTROL, AND CLEANUP SHALL BE IMPLEMENTED BY THE CONTRACTOR:</p><ul style="list-style-type: none">THE CONTRACTOR'S SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE. THE KENTUCKY EMERGENCY RESPONSE TEAM (ERT) (800-928-2380), KOWSD, 911, AND THE ENGINEER SHALL BE CONTACTED WITHIN ONE (1) HOUR OF OCCURRENCE OR DISCOVERY.THE SPILL PREVENTION PLAN SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND SHALL INCLUDE MEASURES TO CLEAN UP FUTURE SPILLS. A DESCRIPTION OF THE SPILL, THE CAUSE, AND THE CLEANUP MEASURES SHALL BE INCLUDED.</div>															
<div>REVISIONS</div> <table><tr><th>DATE</th><th>DESCRIPTION</th><th></th><th></th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>			DATE	DESCRIPTION														
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<div>CHESTNUT RIDGE SUBDIVISION PHASE III WATER & SEWER PROJECT</div>																		
DETAILED BY: TJB																		
REVIEWED BY: SRH																		
JOB NO: 23-01-039																		
DATE: Jul. 23, 2025																		
SCALE: N.T.S.																		
C0.1 GENERAL NOTES																		

RMJE

CIVIL (GEOTECHNICAL) | SURVEYING | MATERIAL TESTING

LEBURN, KY

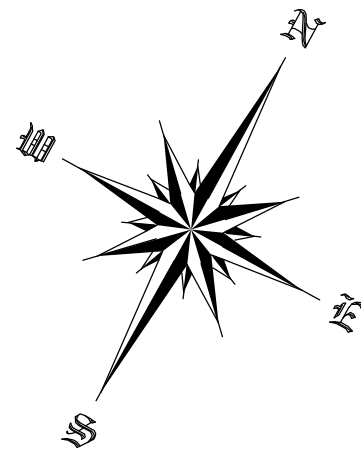
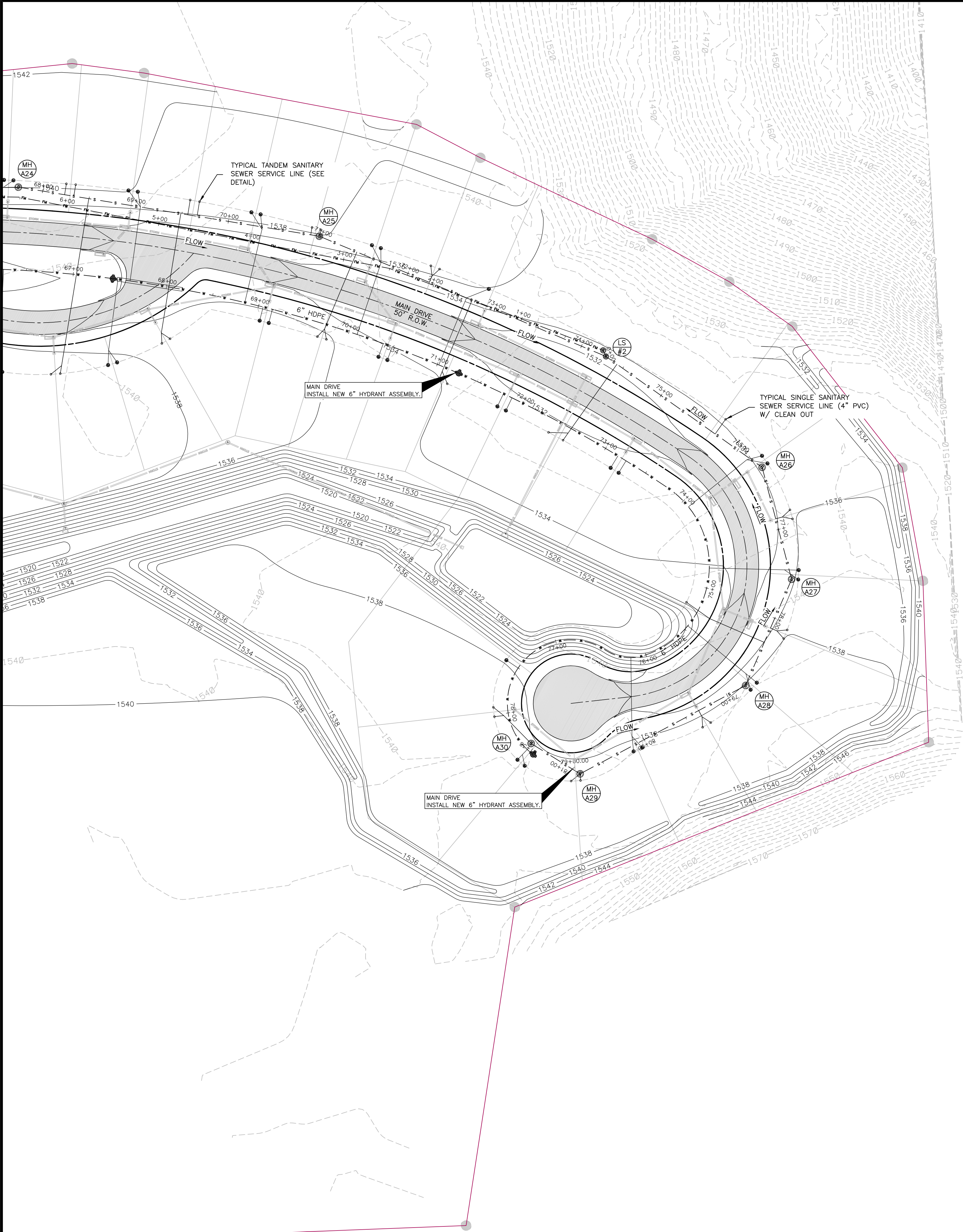


CIVIL | GEOTECHNICAL | SURVEYING | MATERIAL TESTING

CHESTNUT RIDGE SUBDIVISION
PHASE III WATER & SEWER PROJECT

LEBURN, KY

C1.0
PROPOSED
UTILITIES PLAN



SANITARY SEWER NOTES

- 1. ALL SANITARY SEWER SERVICES CONNECTED TO MANHOLES SHALL BE LOW AIR TESTED AT THE MANHOLE.
- 2. ALL SERVICE CONNECTIONS SHALL BE 6" SDR28 PVC PIPE. THE OPEN ENDS SHALL BE SEALED WITH A STANDARD PLUG AND MARKED WITH A #4 BAR WHICH EXTENDS A MINIMUM OF 4" ABOVE FINAL GRADE.
- 3. WHERE SEWERS CROSS WATER MAINS, ENCASEMENT OR OTHER PROTECTION FOR THE WATER MAIN SHALL BE PROVIDED UNLESS THE OUTSIDE OF THE WATER MAIN IS A MINIMUM OF 18" ABOVE THE OUTSIDE OF THE SEWER. PROTECTION SHALL BE CONTINUOUS UNTIL THE WATER LINE IS AT LEAST 10 FEET FROM THE SEWER AS MEASURED PERPENDICULAR TO THE SEWER LINE. IN THE CASE OF AN EXISTING WATERLINE, THE PROTECTION MAY BE PROVIDED BY SLEEVING OR ENCASING THE SEWER FOR A DISTANCE AT LEAST 10 FEET ON EACH SIDE OF THE WATERLINE AS MEASURED PERPENDICULAR TO THE WATERLINE. WHERE THE WATERLINE CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO MAINTAIN PHYSICAL INTEGRITY AT THE CROSSING POINT.
- 4. SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.
- 5. XYPEX ADMIX APPLICABLE FOR ALL MANHOLES.
- 6. ALL MANHOLE LIDS TO BE WATERTIGHT. BOLTING OF LIDS PROHIBITED.
- 7. CONTRACTOR SHALL CONSTRUCT SANITARY SEWER WITH THE PRESENCE OF ENGINEER. ENGINEER SHALL INSPECT ALL GRADES, PIPE BEDDING, PIPE TYPE, AND ALL OTHER MATERIALS NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE TO THE PLANS AND CITY REGULATIONS.

WATERLINE NOTES

- 1. WHERE A GATE VALVE IS SHOWN AT THE BRANCH OF A TEE IT SHALL BE RODDED AT THE TEE.
- 2. INSTALL M.J. BENDS AS REQUIRED TO LIMIT THE RADIUS OF WATERLINE CURVATURE TO MANUFACTURER'S REQUIREMENTS.
- 3. WHERE WATERLINE CROSSES ROADWAY, STONE BACKFILL REQUIRED TO FULL DEPTH.
- 4. ALL GRADING AND DRAINAGE WORK TO BE COMPLETED PRIOR TO WATERLINE CONSTRUCTION.
- 5. ENCASEMENT OF WATERLINE REQUIRED IF SEPERATION BETWEEN SANITARY SEWER AND WATERLINE IS LESS THAN 18".
- 6. THERE MUST BE A MINIMUM OF 5 FOOT SEPARATION BETWEEN WATER SERVICES AND GAS CROSSINGS.
- 7. SERVICE CROSSINGS MUST BE ENCASED WITH MINIMUM 2" PE PIPE.
- 8. TRACER WIRE REQUIRED ON ALL SERVICES FROM WATER MAIN TO METER.

RMJE

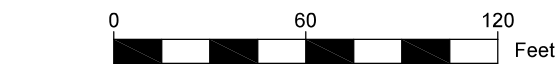
CIVIL | GEOTECHNICAL | SURVEYING | MATERIAL TESTING

REVISIONS	
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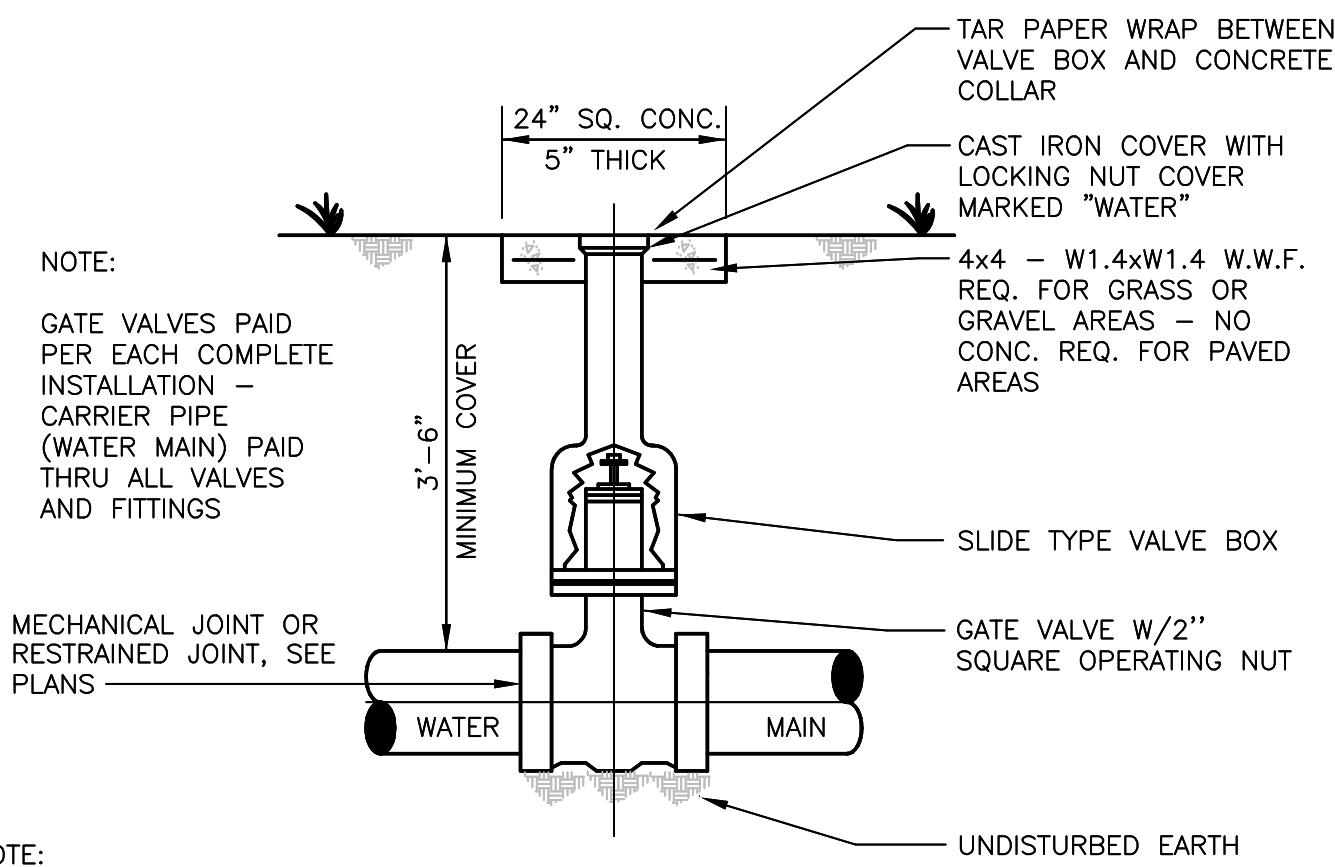
CHESTNUT RIDGE SUBDIVISION
PHASE III WATER & SEWER PROJECT

LEBURN, KY

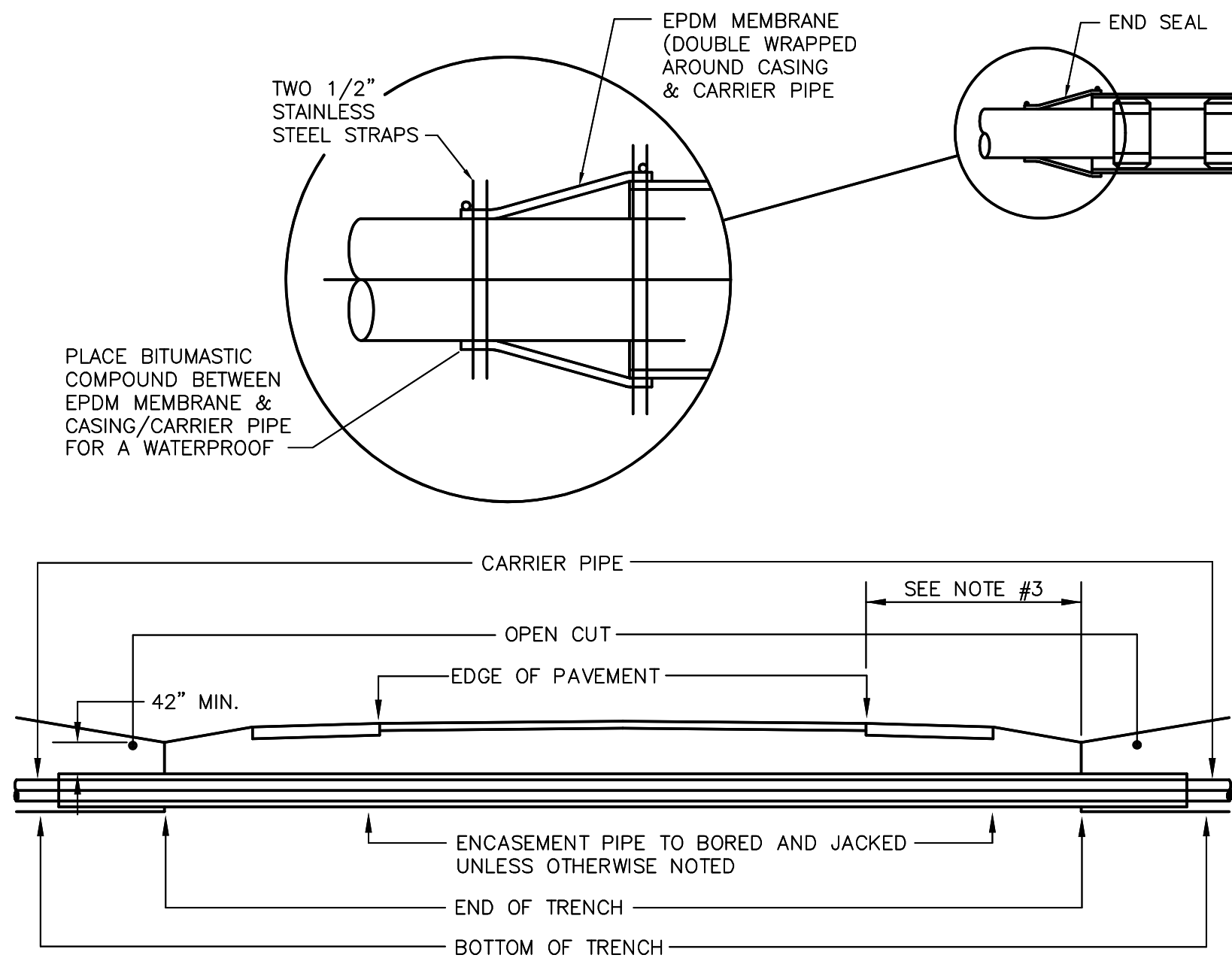
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REVIEWED BY:	SRH
JOB NO:	23-01-039
DATE:	Jul. 23, 2025
SCALE:	1" = 60'



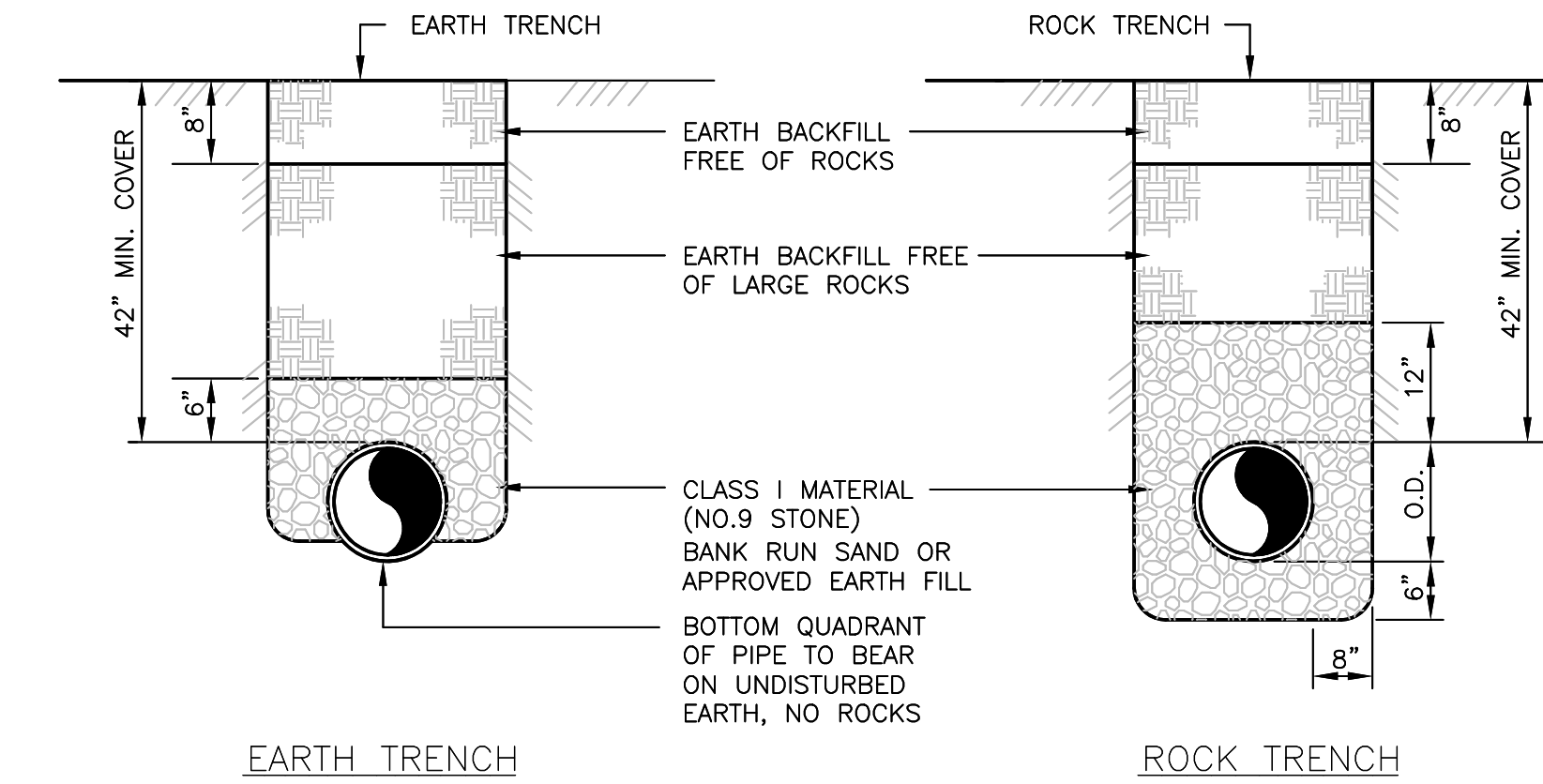
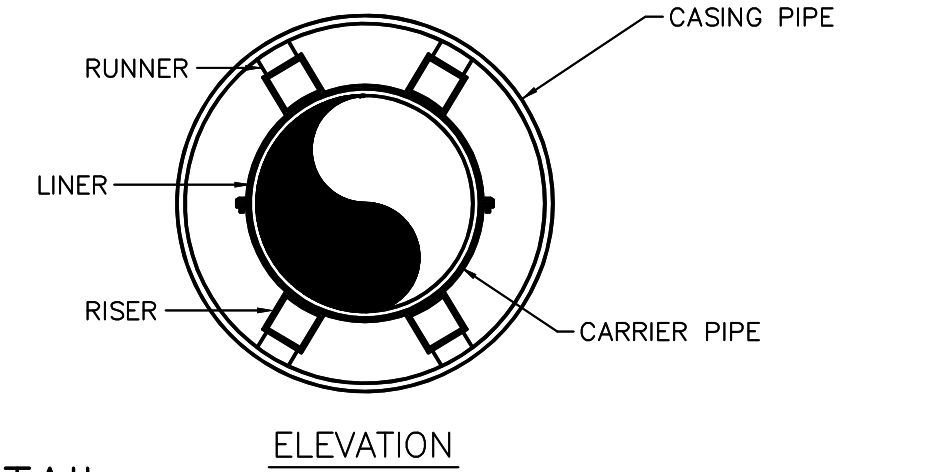
*EXISTING TOPOGRAPHICAL DATA AND PROPOSED GRADE PROVIDED BY KYTC.



GATE VALVE INSTALLATION
NOT TO SCALE



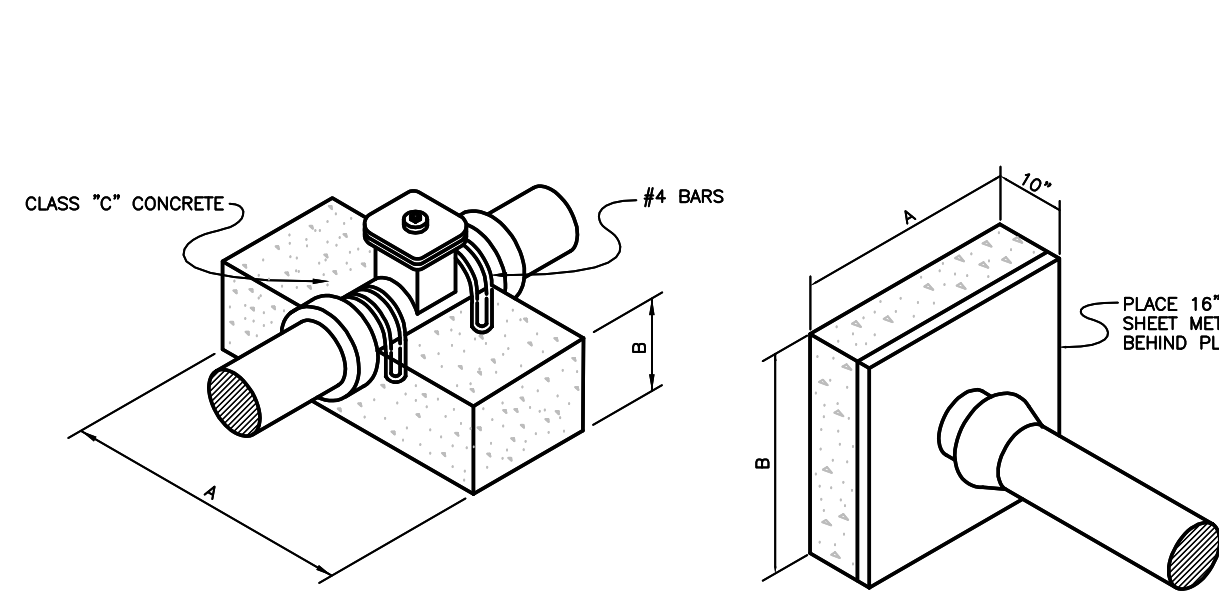
ENCASEMENT PIPE SPACER DETAIL
NOT TO SCALE



TYPICAL - BEDDING AND BACKFILL
NOT TO SCALE

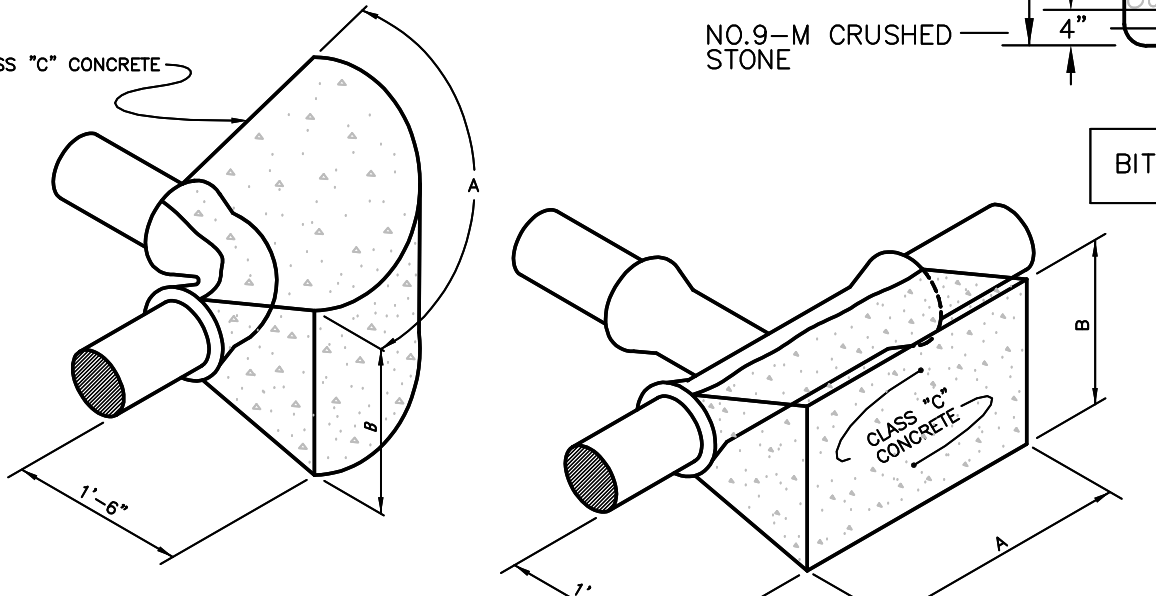
- NOTES:
1. ALL JOINTS SHALL BE SOLIDLY WELDED. END OF CASING SHALL BE SEALED AFTER LINE HAS BEEN INSTALLED AND TESTED.
 2. MINIMUM DEPTHS MAY INCREASE IN AREAS WHICH REQUIRE MINIMUM SEPARATION WITH OTHER FACILITIES.
 3. OPEN TRENCH NO CLOSER THAN THE DITCHLINE OR TOE OF FILL FROM THE EDGE OF THE PAVEMENT OR AS DIRECTED BY THE SPECIFICATIONS.
 4. HIGHWAY CROSSINGS SHALL UTILIZE STEEL CASING PIPE. STEEL CASING PIPES 4" AND LESS SHALL BE NEW SCHEDULE 40. STEEL CASING PIPES LARGER THAN 4" SHALL HAVE MINIMUM WALL THICKNESS OF 0.25". ALL BORED AND JACKED ENCASEMENT PIPE SHALL BE INSTALLED IN BORE HOLES NO LARGER THAN THE OUTSIDE DIAMETER OF THE ENCASEMENT PIPE.

CROSS SECTION OF ENCASED ROAD CROSSING - TYPICAL
NOT TO SCALE



THRUST BLOCK FOR GATE VALVE
NOT TO SCALE

THRUST BLOCK FOR PLUGGED DEADEND LINE
NOT TO SCALE



THRUST BLOCK FOR HORIZONTAL 90° BEND
NOT TO SCALE

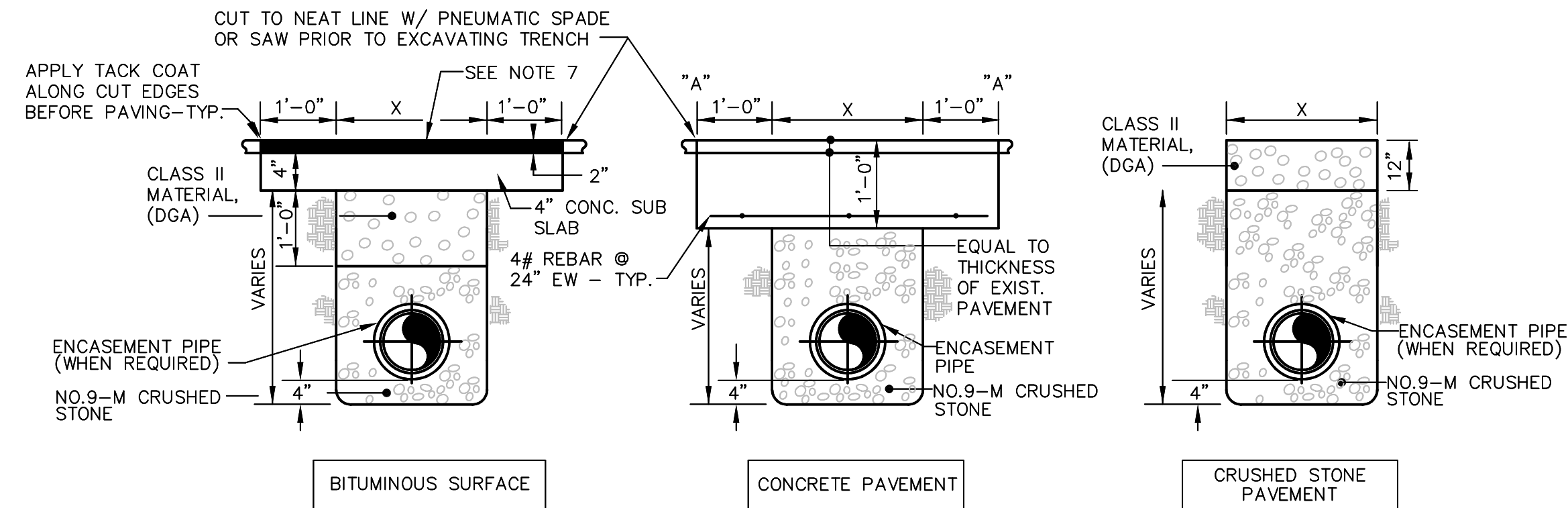
THRUST BLOCK FOR TEE
NOT TO SCALE

SOFT-SANDY CLAY SOIL (BEARING STRENGTH = 2,000#/FT. ²)									
PIPE SIZE	BEARING AREA 90° BEND	"A"	"B"	BEARING AREA 45° BEND	"A"	"B"	BEARING AREA, TEE, GATE VALVE & DEADEND	"A"	"B"
1 1/2"	0.33 FT ²	12"	4"	0.18 FT ²	8"	4"	0.24 FT ²	9"	4"
2"	0.52 FT ²	12"	7"	0.28 FT ²	12"	4"	0.37 FT ²	12"	5"
2 1/2"	0.75 FT ²	12"	9"	0.41 FT ²	12"	5"	0.53 FT ²	12"	7"
3"	1.12 FT ²	18"	9"	0.61 FT ²	12"	8"	0.79 FT ²	18"	7"
4"	1.84 FT ²	24"	12"	1.00 FT ²	18"	8"	1.30 FT ²	24"	8"
6"	3.96 FT ²	36"	16"	2.14 FT ²	26"	12"	2.80 FT ²	30"	14"
8"	6.70 FT ²	54"	18"	3.63 FT ²	30"	18"	4.74 FT ²	36"	19"
10"	10.00 FT ²	60"	24"	5.41 FT ²	44"	18"	7.07 FT ²	43"	24"
12"	13.69 FT ²	60"	33"	7.41 FT ²	36"	30"	9.68 FT ²	47"	30"
14"	16.35 FT ²	66"	36"	9.35 FT ²	40"	34"	12.20 FT ²	60"	30"
16"	19.55 FT ²	72"	40"	11.35 FT ²	60"	28"	14.77 FT ²	60"	36"

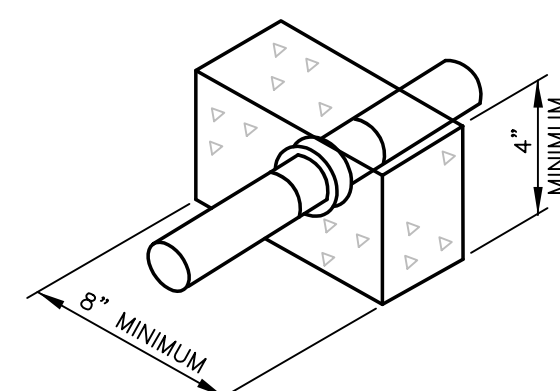
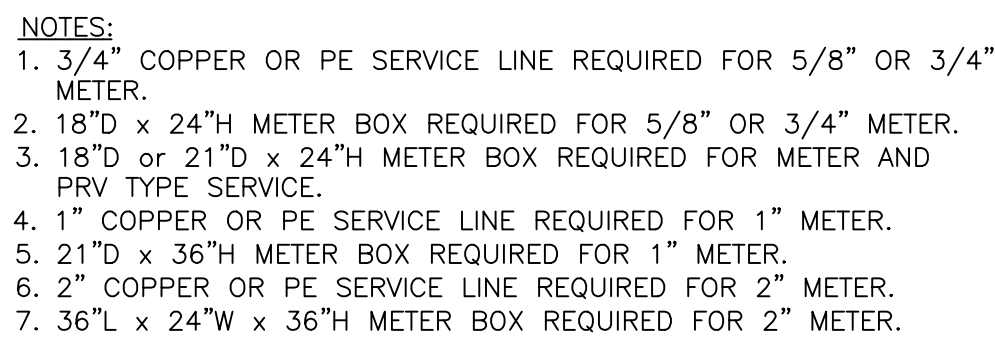
THRUST BLOCKS
(160 P.S.I. DESIGNED)
NOT TO SCALE

SOLID-SAND & GRAVEL CEMENTED W/CLAY (BEARING STRENGTH = 4,000 #/FT. ²)									
PIPE SIZE	BEARING AREA 90° BEND	"A"	"B"	BEARING AREA 45° BEND	"A"	"B"	BEARING AREA, TEE, GATE VALVE & DEADEND	"A"	"B"
1 1/2"	0.17 FT ²	6"	4"	0.90 FT ²	4"	4"	0.12 FT ²	5"	4"
2"	0.26 FT ²	10"	4"	0.14 FT ²	6"	4"	0.18 FT ²	7"	4"
2 1/2"	0.23 FT ²	12"	5"	0.20 FT ²	8"	4"	0.26 FT ²	10"	4"
3"	0.56 FT ²	12"	7"	0.30 FT ²	8"	6"	0.40 FT ²	10"	6"
4"	0.92 FT ²	18"	8"	0.50 FT ²	9"	8"	0.65 FT ²	12"	8"
6"	1.98 FT ²	24"	12"	1.07 FT ²	16"	10"	1.40 FT ²	18"	12"
8"	3.35 FT ²	42"	12"	1.82 FT ²	22"	12"	2.37 FT ²	29"	12"
10"	5.00 FT ²	40"	18"	2.71 FT ²	22"	18"	3.54 FT ²	29"	18"
12"	6.85 FT ²	42"	24"	3.71 FT ²	30"	18"	4.84 FT ²	30"	24"
14"	8.80 FT ²	43"	30"	4.67 FT ²	36"	19"	6.16 FT ²	36"	26"
16"	11.20 FT ²	62"	27"	5.66 FT ²	44"	19"	7.50 FT ²	36"	30"

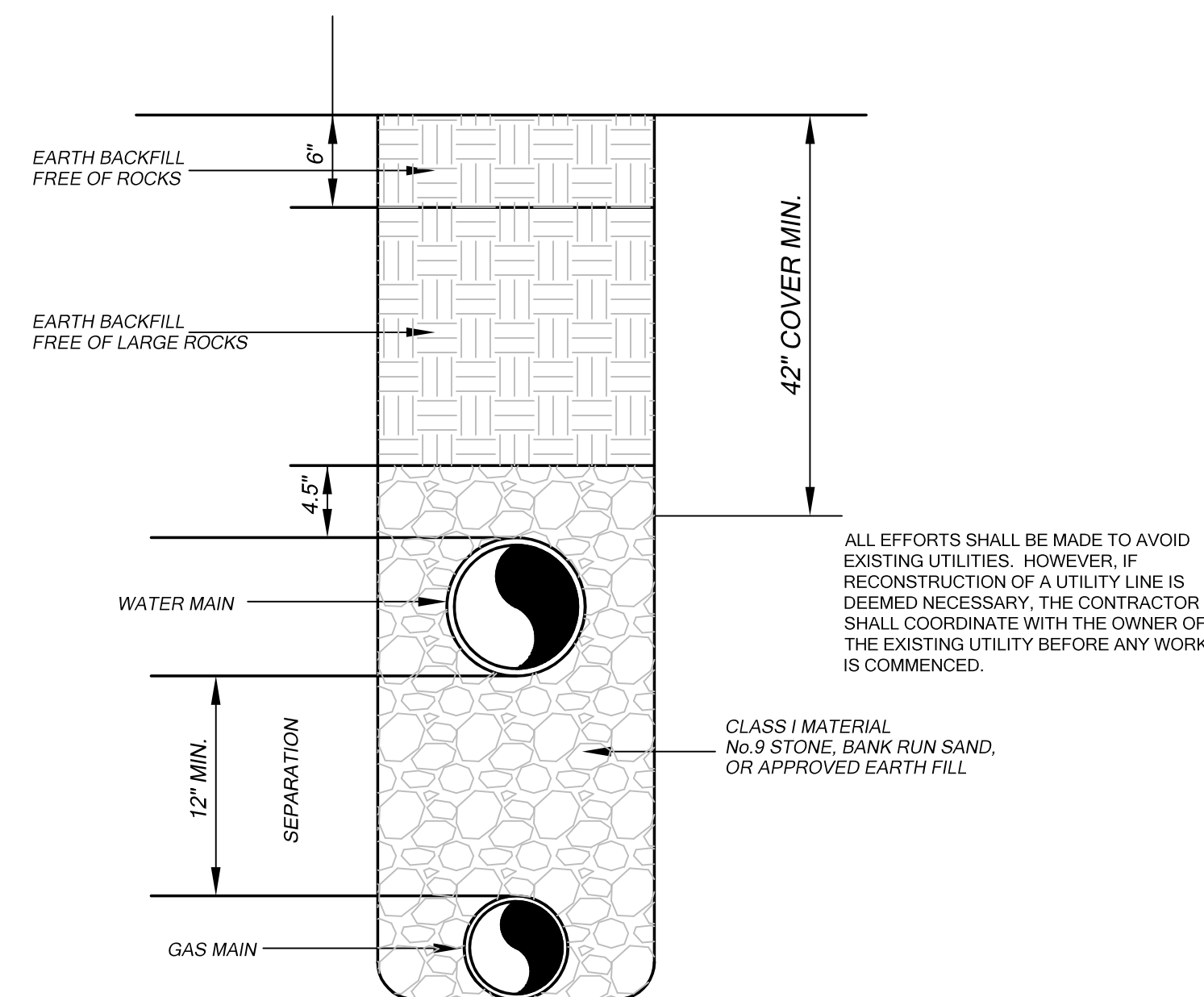
THRUST BLOCKS
(160 P.S.I. DESIGNED)
NOT TO SCALE



3/4" SERVICE LINE	MAXIMUM LENGTH
SAME SIDE	25
OPPOSITE SIDE	125
SAME SIDE W/ PRV	25
OPPOSITE SIDE W/ PRV	125

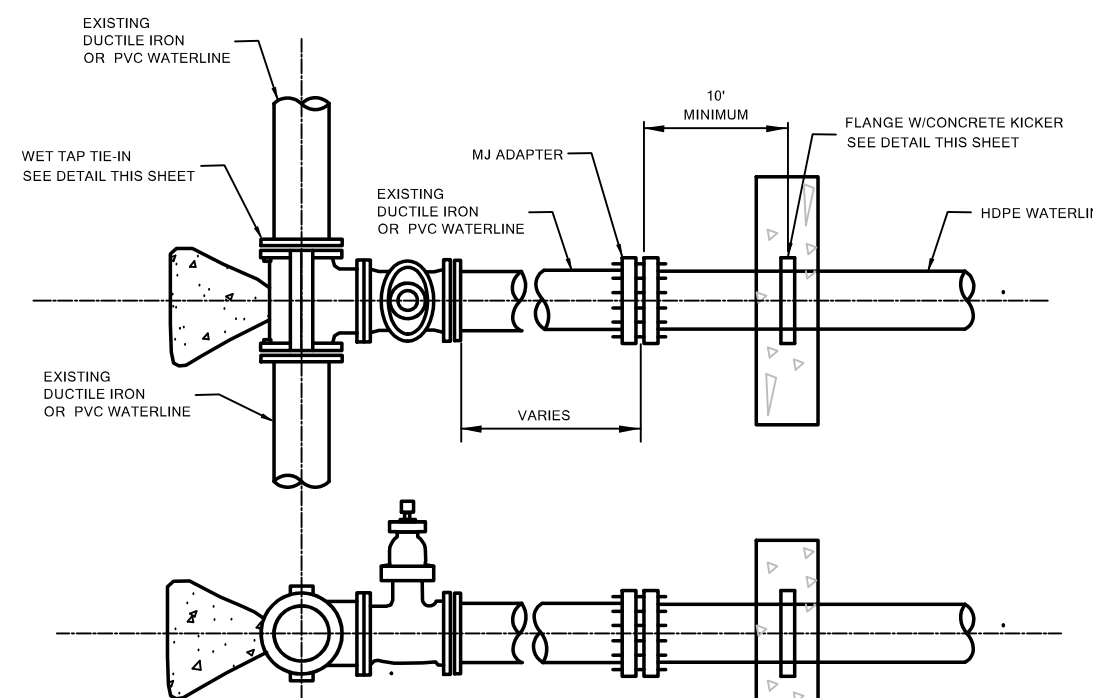


TRANSITION PIPE ADAPTER
W/CONCRETE KICKER
N.T.S.

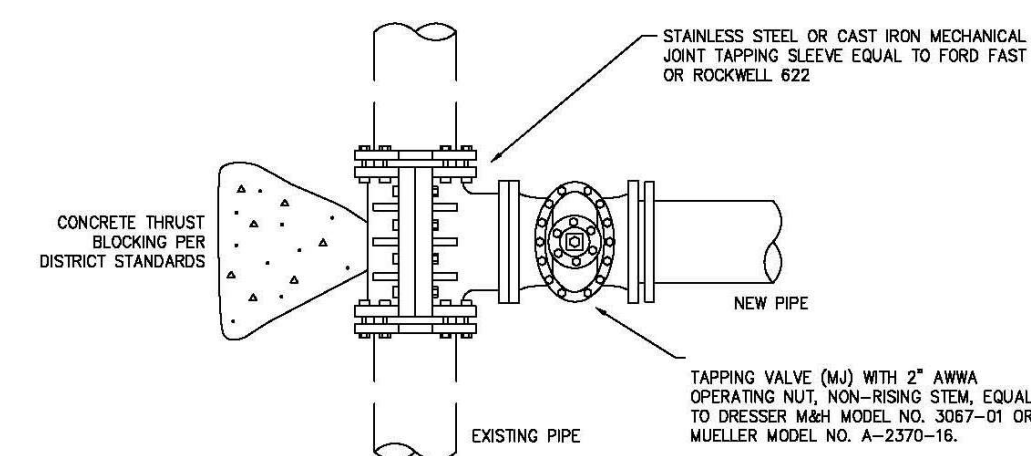


WATERLINE INSTALLATION WITH EXISTING GAS LINE

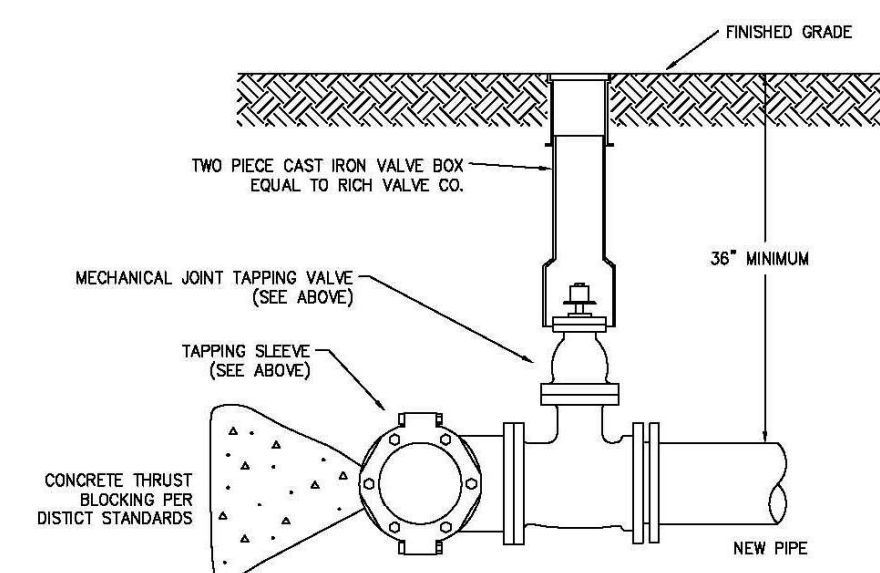
AIR RELEASE VALVES
NOT TO SCALE (WD4-04)



TIE-IN DETAIL
NOT TO SCALE



PLAN



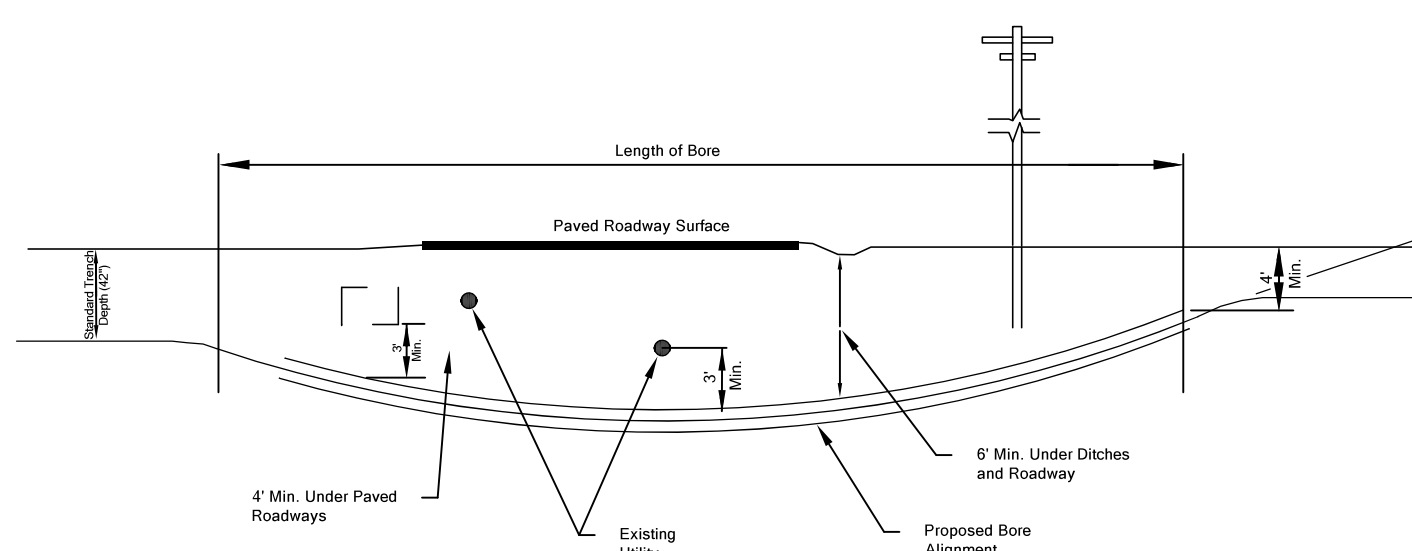
ELEVATION

NOTES: 1. PRIOR TO BORING:
A. TAPPING SLEEVE AND VALVE SHALL BE PRESSURE TESTED AT 225 PSI FOR A PERIOD OF 15 MINUTES. PRESSURE LOSS DURING TESTING SHALL NOT EXCEED 5 PSI.
B. TAPPING SLEEVE AND VALVE SHALL BE STERILIZED PER SPECIFICATIONS

2. PRIOR TO FINAL CONNECTION OF TAPPING VALVE TO NEW PIPING, THE NEW PIPING SHALL BE PRESSURE TESTED AND STERILIZED PER SPECIFICATIONS

WET TAP DETAIL

- Horizontal Minimum Clearances
NOT TO SCALE



Vertical Minimum Clearances
NOT TO SCALE

HORIZONTAL DIRECTIONAL DRILLING INSTALLATION

CIVIL | GEOTECHNICAL | SURVEYING | MATERIAL TESTING

REVISIONS	
DATE	DESCRIPTION

**CHESTNUT RIDGE SUBDIVISION
PHASE III WATER & SEWER PROJECT**

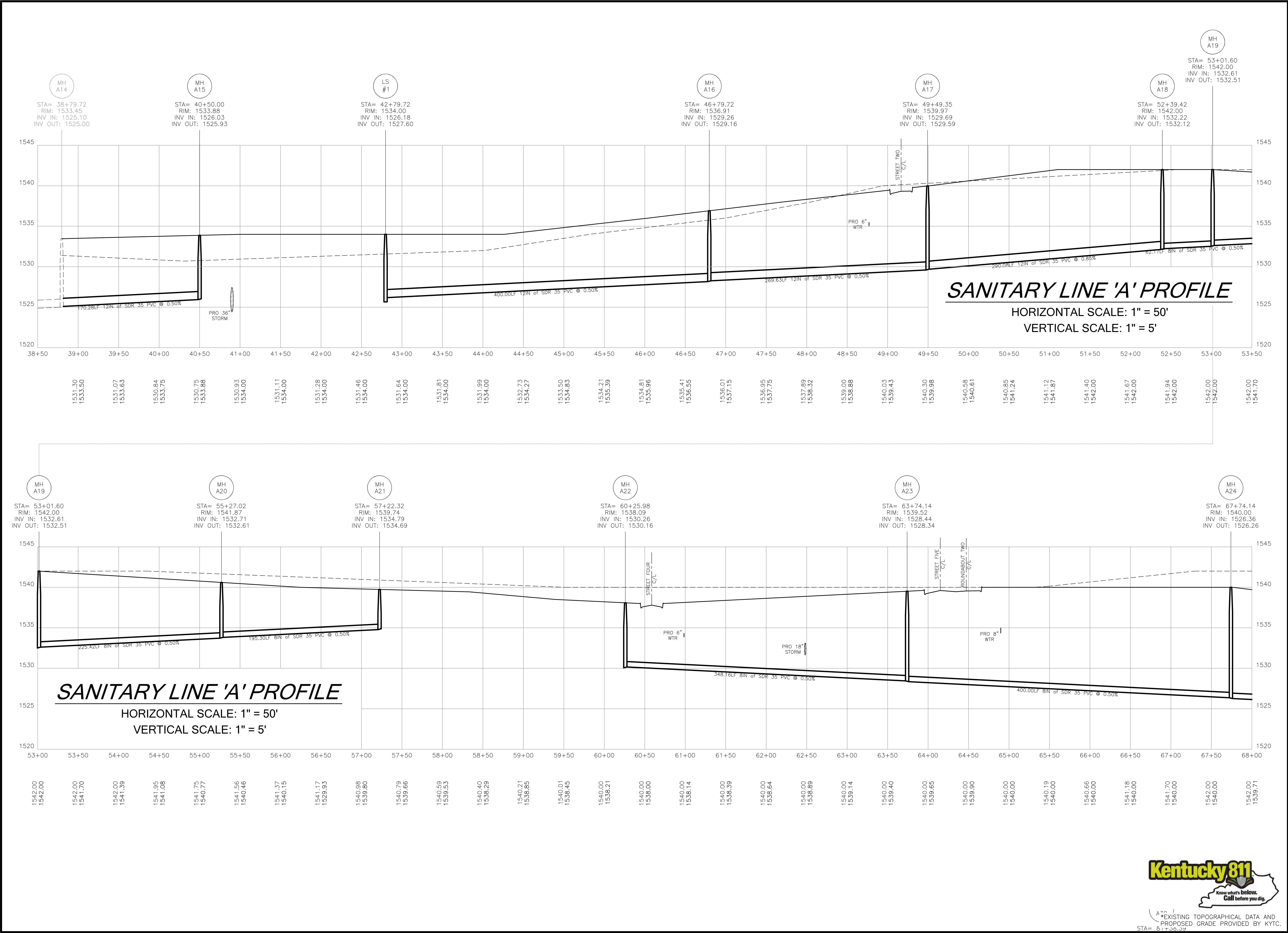
1 EP1 IPNI KV

DETAILED BY:	TJB
REVIEWED BY:	SRH
JOB NO:	23-01-039
DATE:	Jul. 23, 2025
SCALE:	N.T.S.

C1.3

UTILITY DETAILS





720
*EXISTING TOPOGRAPHICAL DATA AND
PROPOSED GRADE PROVIDED BY KYTC.
STA= 81+10.33

CIVIL | GEOTECHNICAL | SURVEYING | MATERIAL TESTING

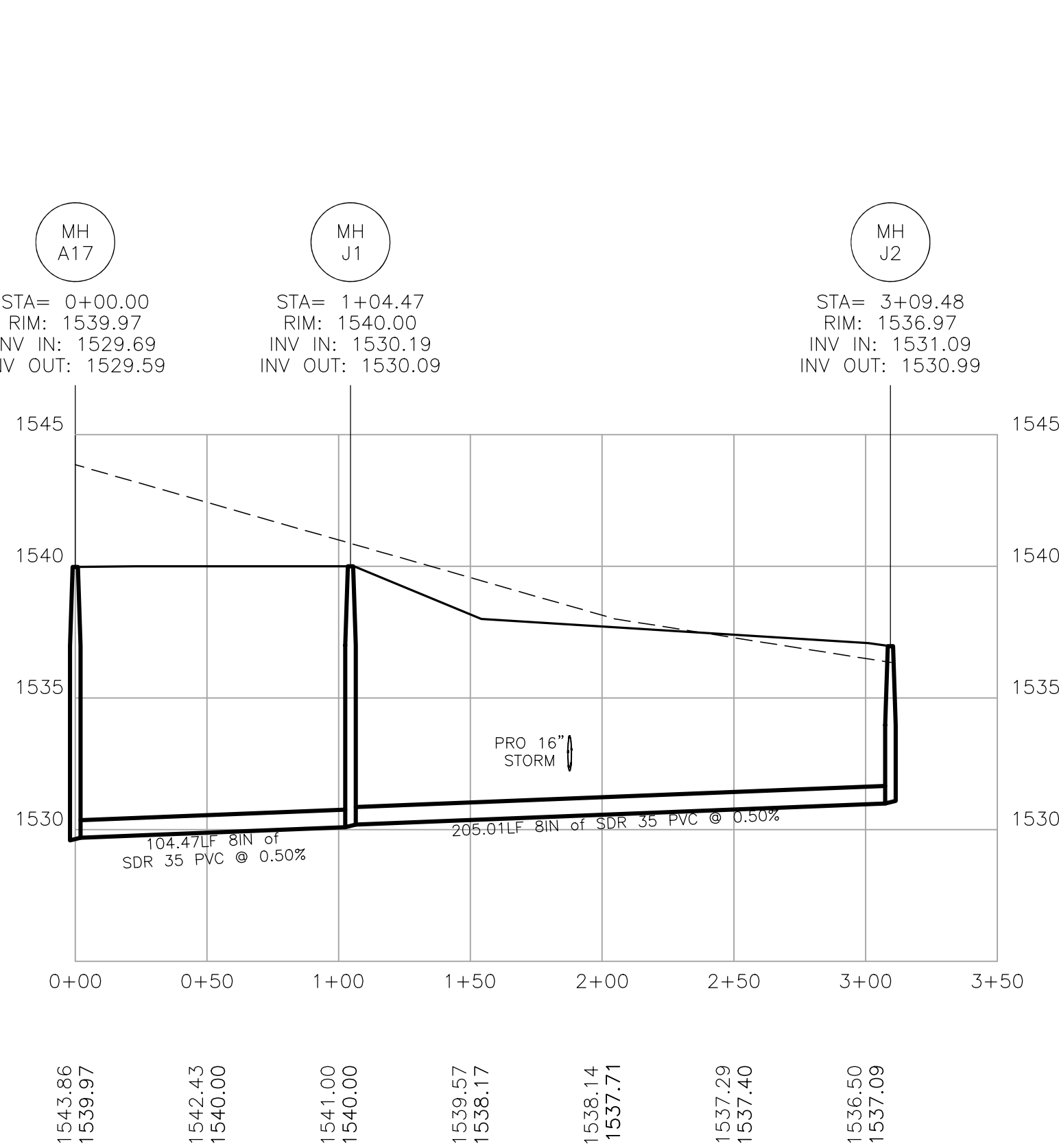
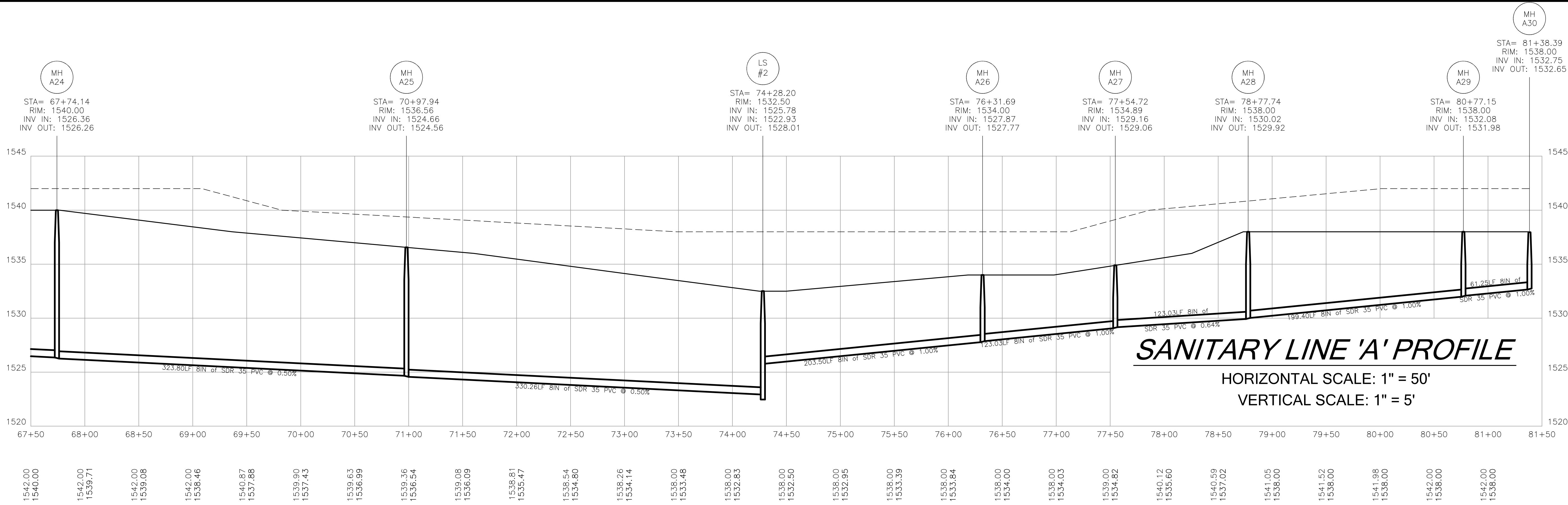
REVISIONS	
DATE	DESCRIPTION

CHESTNUT RIDGE SUBDIVISION
PHASE III WATER & SEWER PROJECT

LEBURN, KY

DETAILED BY:	TJB
REVIEWED BY:	SRH
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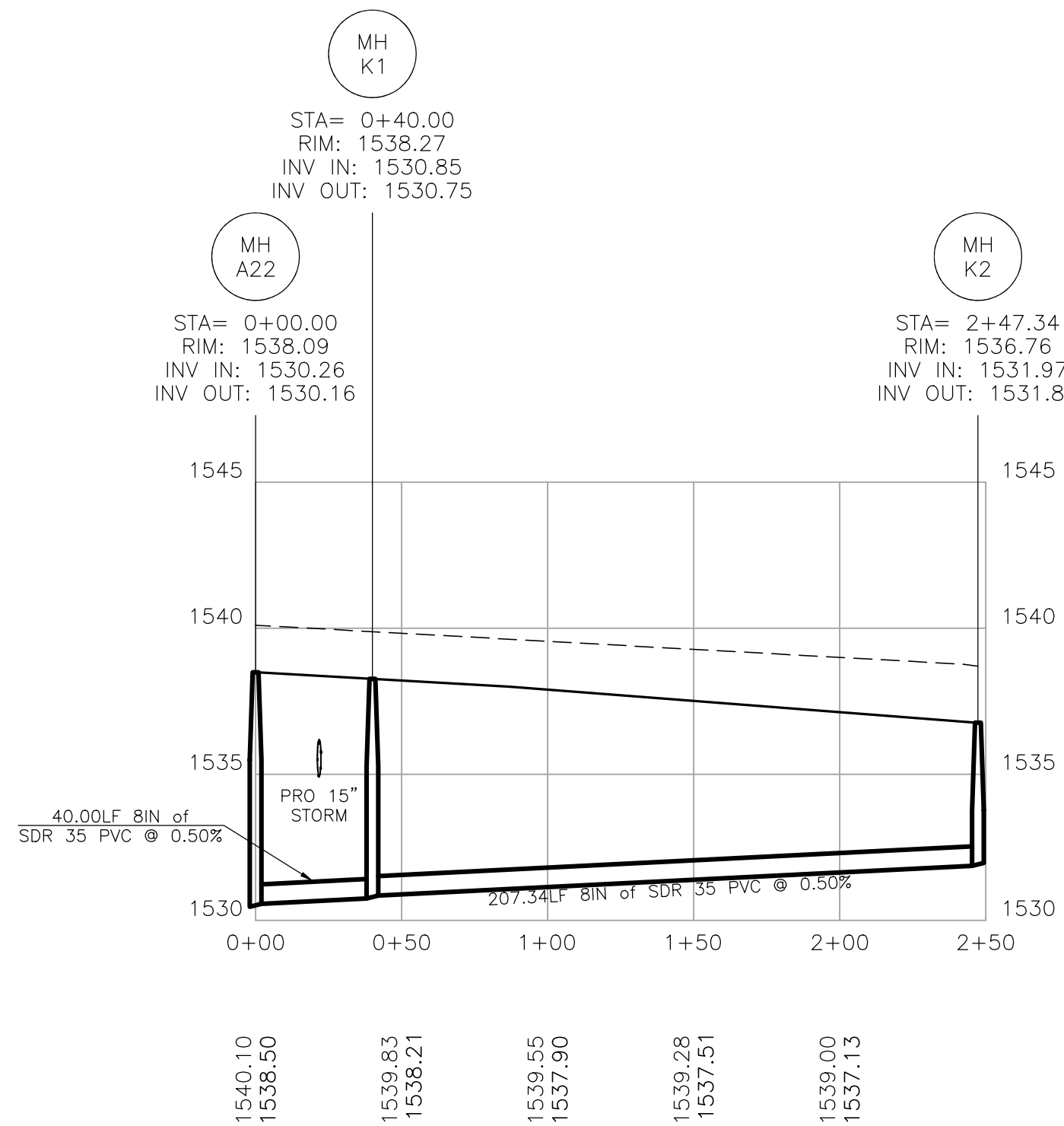
C2.0
SANITARY SEWER
PROFILES



SANITARY LINE 'J' PROFILE

HORIZONTAL SCALE: 1" = 50'

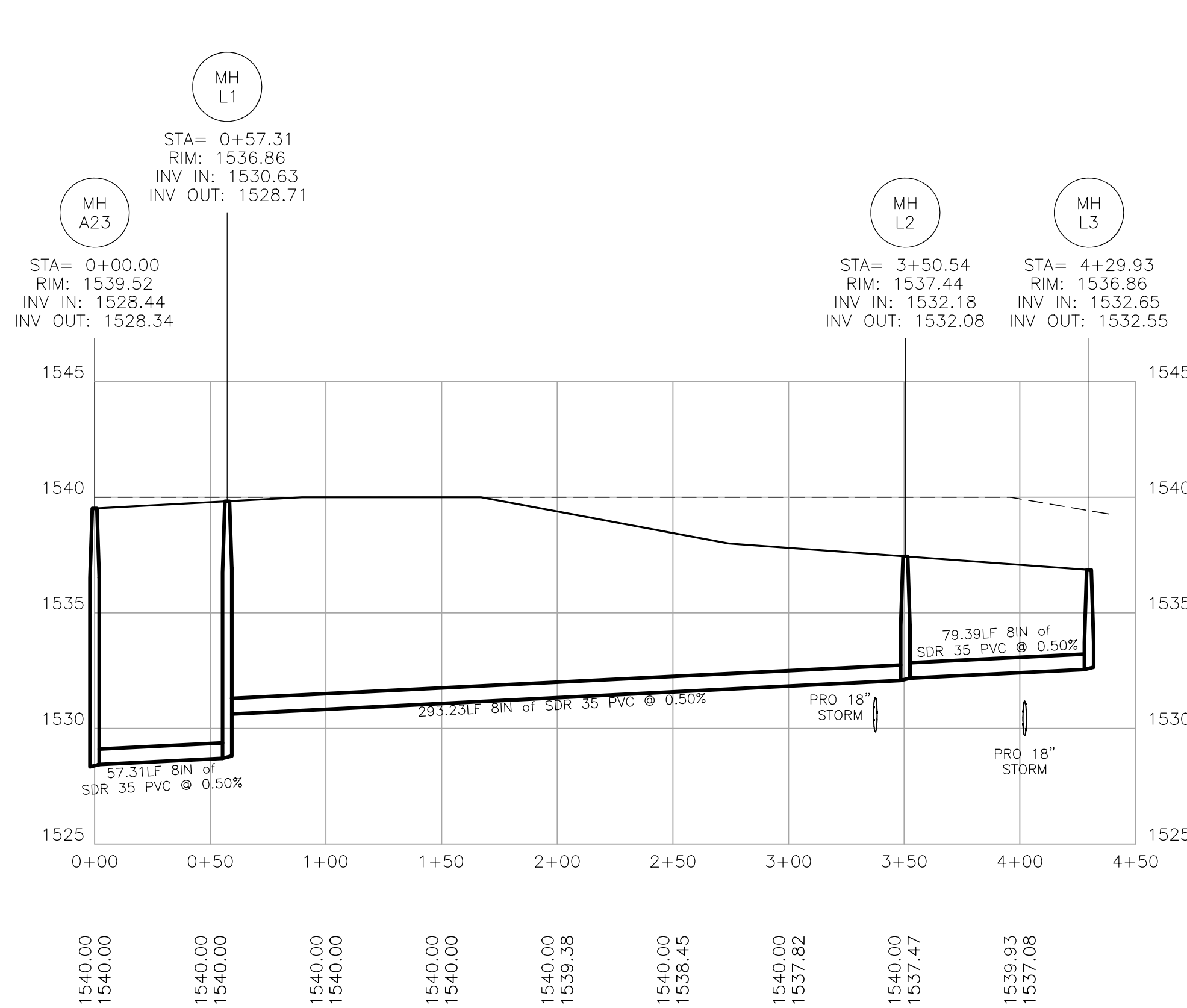
VERTICAL SCALE: 1" = 5'



SANITARY LINE 'K' PROFILE

HORIZONTAL SCALE: 1" = 50'

VERTICAL SCALE: 1" = 5'



SANITARY LINE 'L' PROFILE

HORIZONTAL SCALE: 1" = 50'

VERTICAL SCALE: 1" = 5'



*EXISTING TOPOGRAPHICAL DATA AND PROPOSED GRADE PROVIDED BY KYT.

REVISIONS

DATE	DESCRIPTION

REVISIONS

DATE	DESCRIPTION

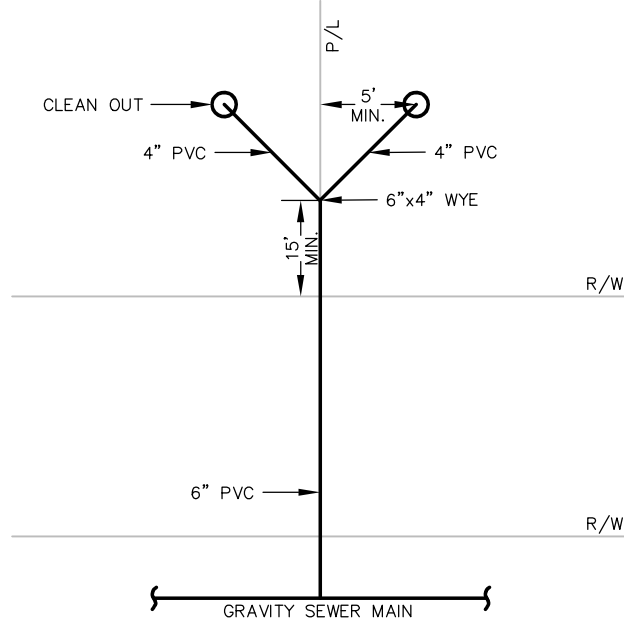
CHESTNUT RIDGE SUBDIVISION
PHASE III WATER & SEWER PROJECT

LEBURN, KY

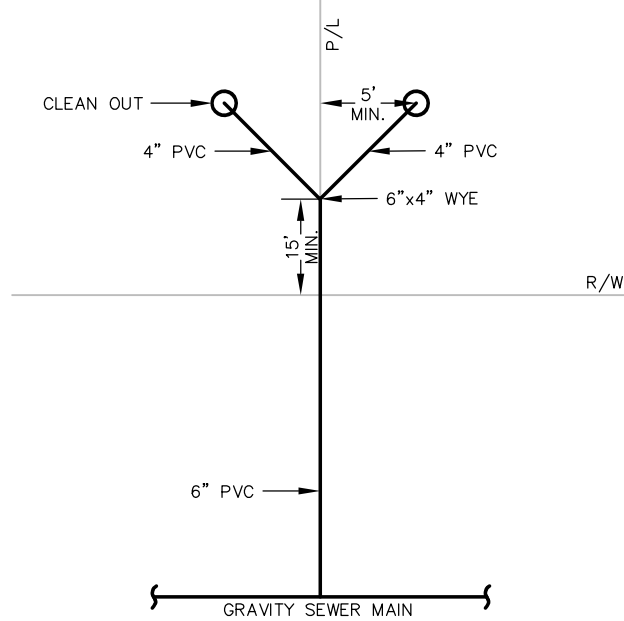
DETAILED BY: TJB
REVIEWED BY: SRH
JOB NO: 23-01-039
DATE: Jul. 23, 2025
SCALE: N.T.S.

C2.1
SANITARY SEWER
PROFILES

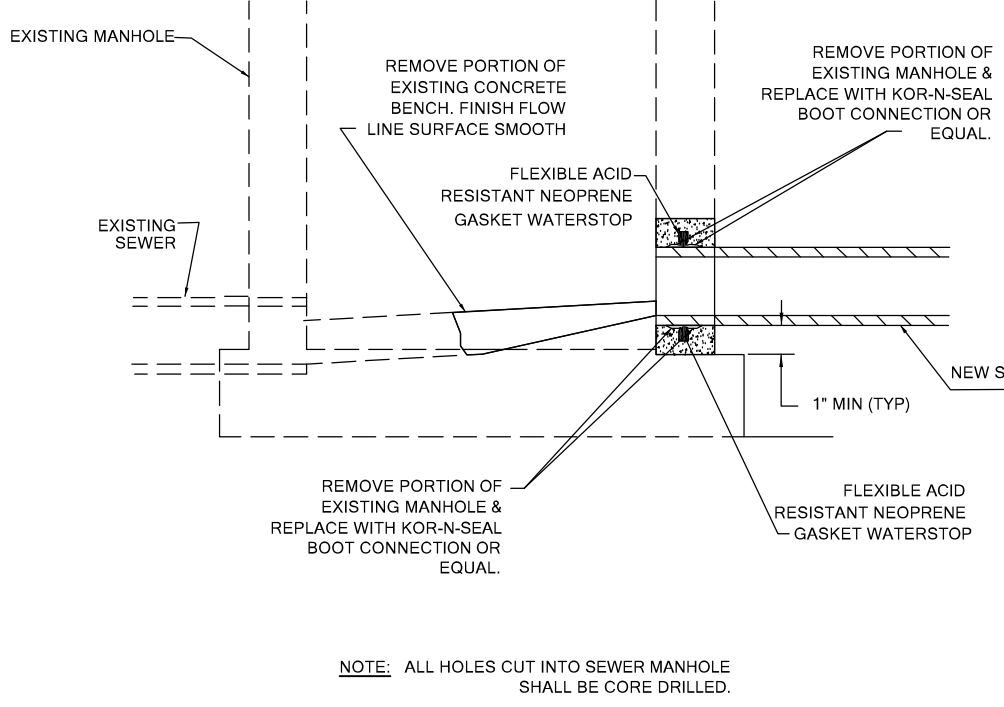
TANDEM SEWER SERVICE (OPPOSITE SIDE)



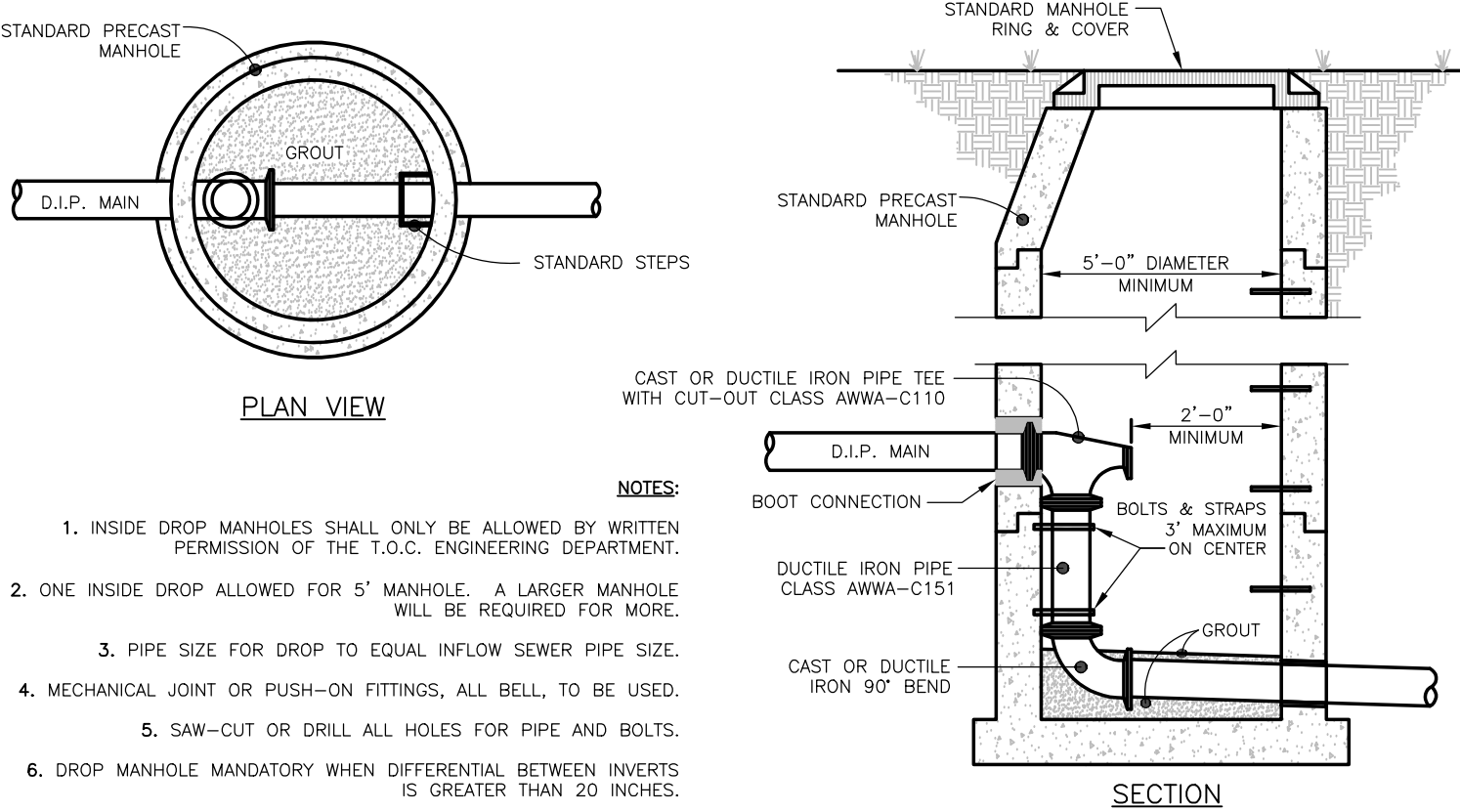
TANDEM SEWER SERVICE (SAME SIDE)



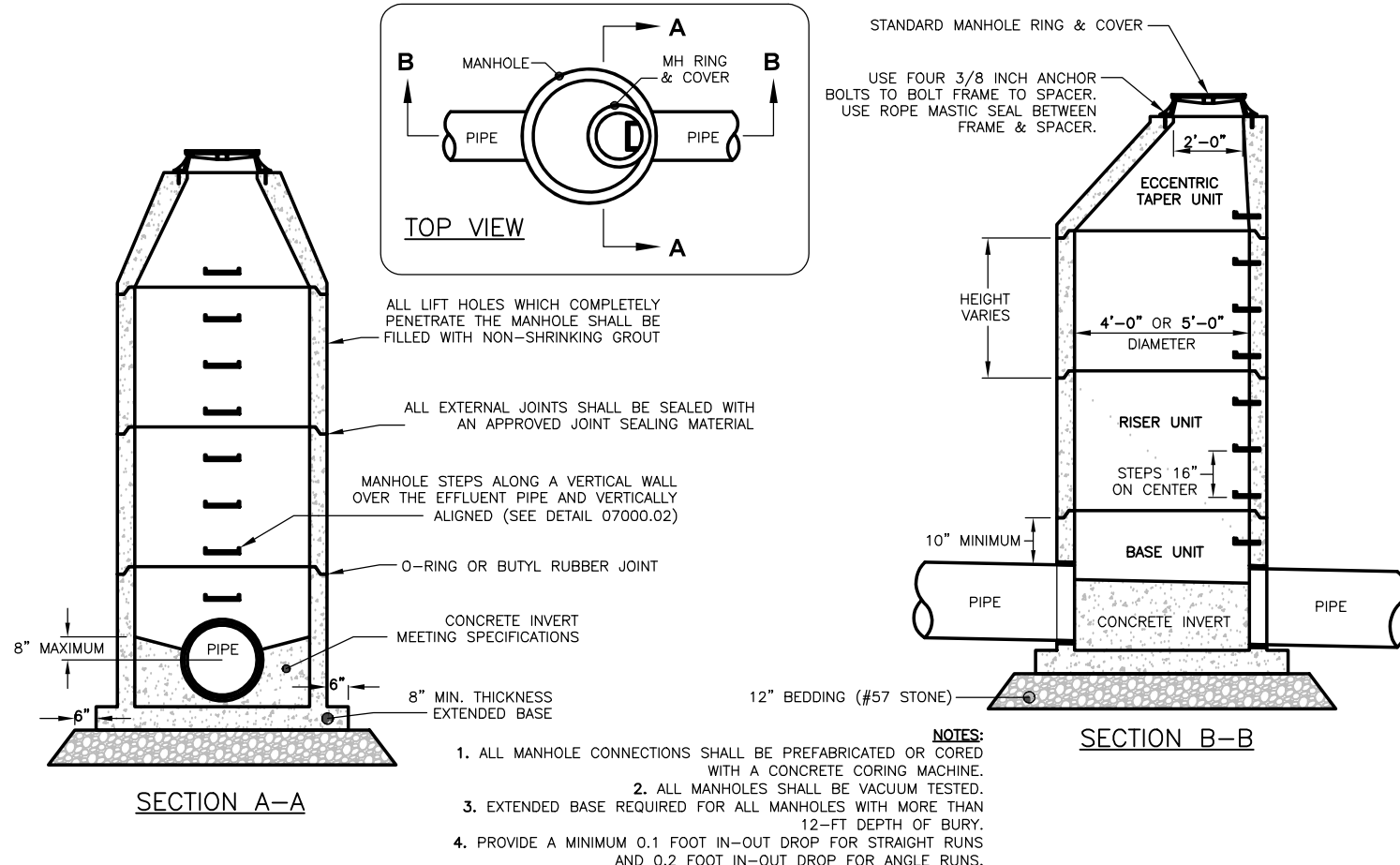
SEWER CONNECTION TO EXISTING MANHOLE DETAIL



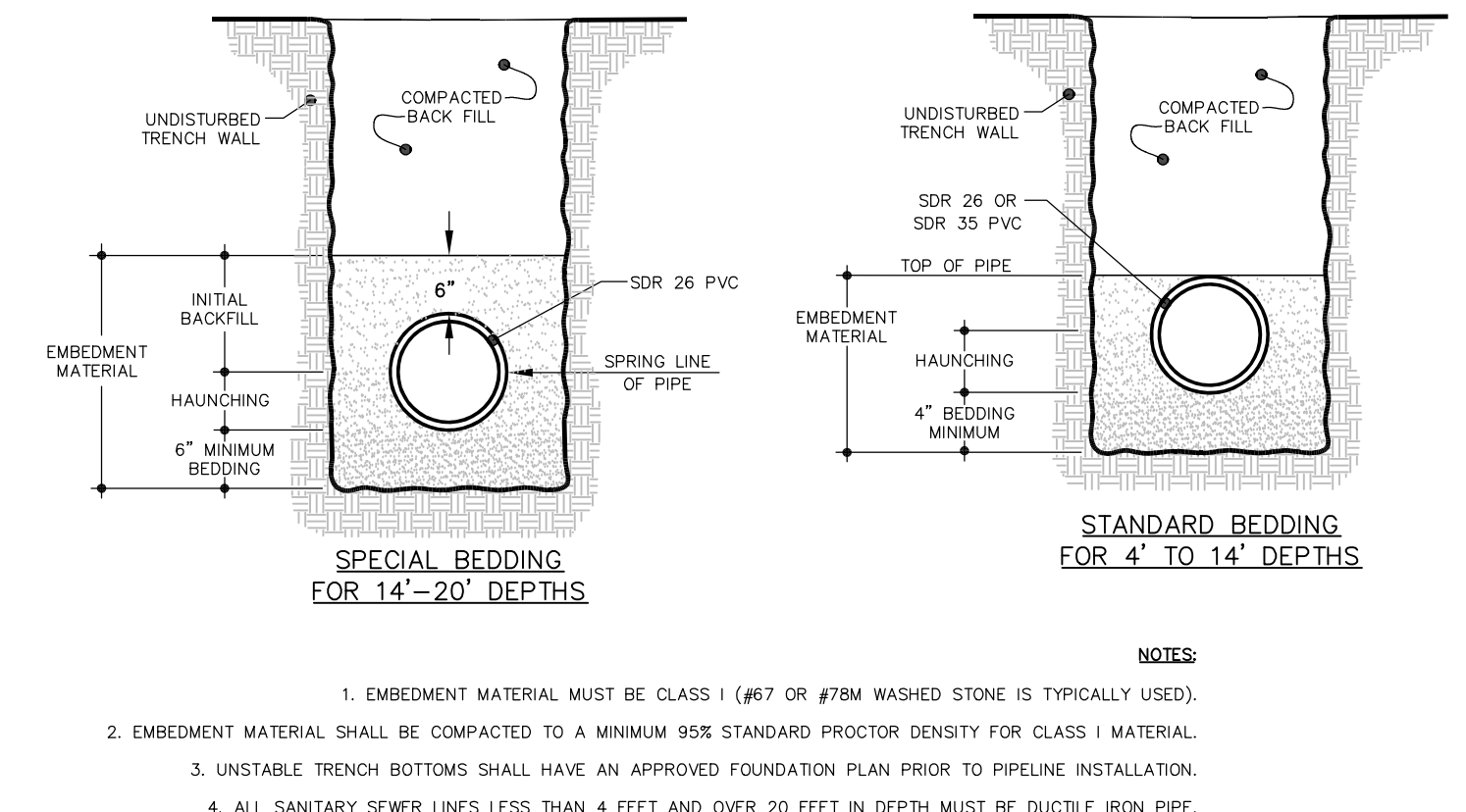
INSIDE DROP MANHOLE



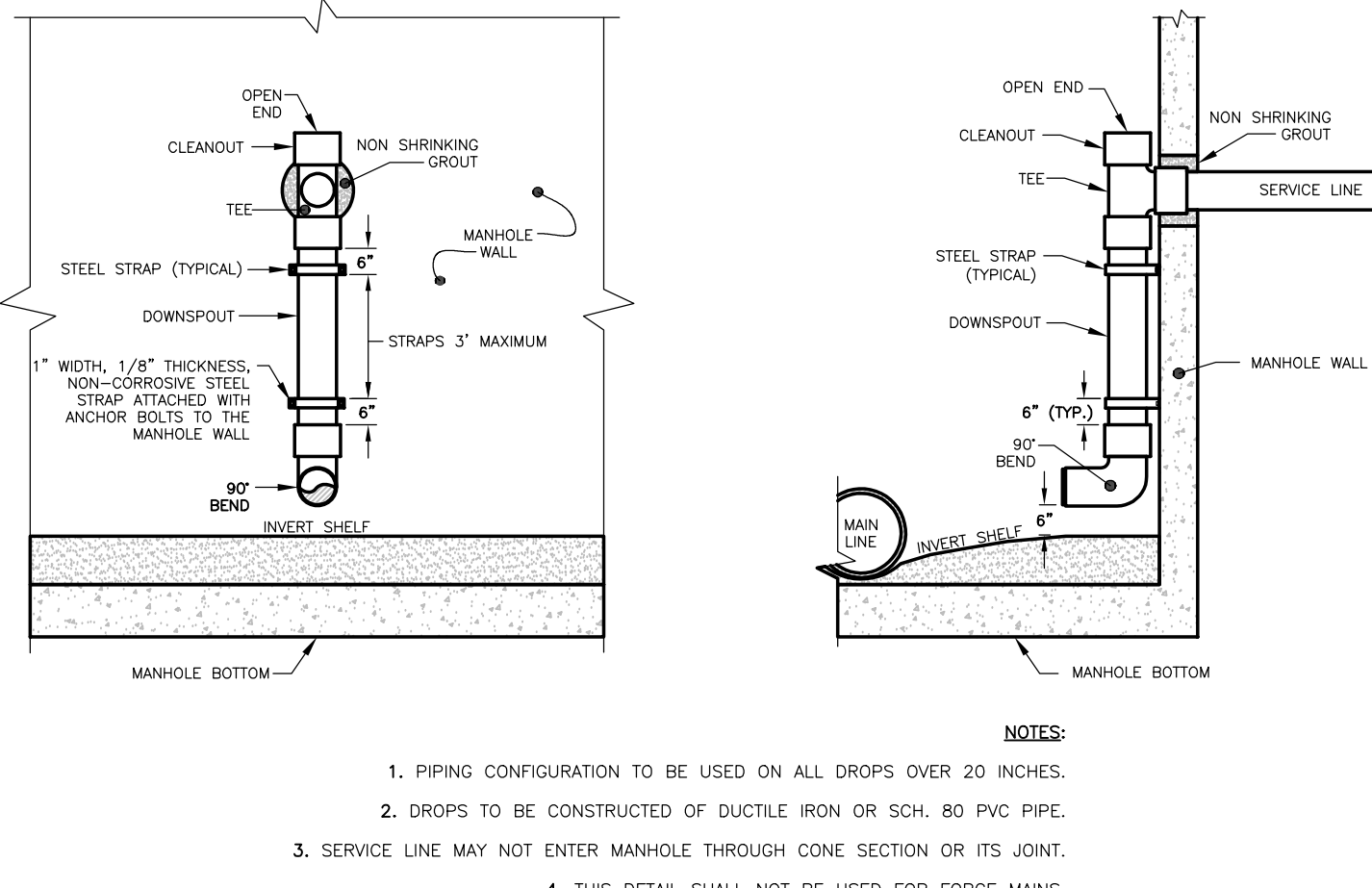
PRECAST CONCRETE MANHOLE



SANITARY SEWER TRENCH DETAIL



INSIDE DROP FOR SANITARY SEWER SERVICE



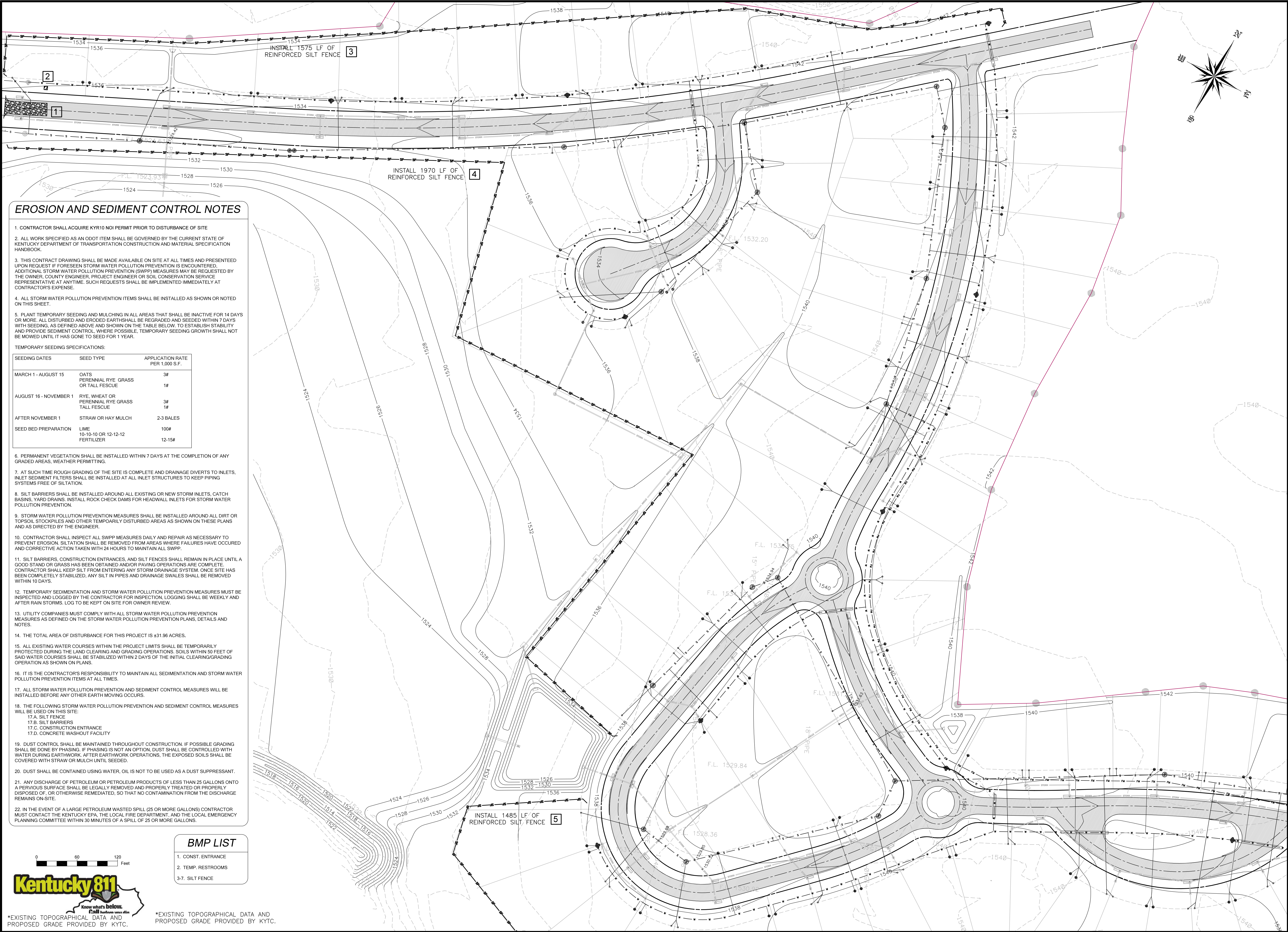
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CHESTNUT RIDGE SUBDIVISION
PHASE III WATER & SEWER PROJECT

LEBURN, KY

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EROSION AND SEDIMENT CONTROL NOTES

- CONTRACTOR SHALL ACQUIRE KYR10 NOI PERMIT PRIOR TO DISTURBANCE OF SITE
 - ALL WORK SPECIFIED AS AN ODOT ITEM SHALL BE GOVERNED BY THE CURRENT STATE OF KENTUCKY DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION HANDBOOK.
 - THIS CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST IF FORESEEN STORM WATER POLLUTION PREVENTION IS ENCOUNTERED. ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
 - ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED ON THIS SHEET.
 - PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 14 DAYS OR MORE. ALL DISTURBED AND ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 7 DAYS WITH SEEDING, AS DEFINED ABOVE AND SHOWN ON THE TABLE BELOW. TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE, TEMPORARY SEEDING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.
- | SEEDING DATES | SEED TYPE | APPLICATION RATE PER 1,000 S.F. |
|------------------------|---|---------------------------------|
| MARCH 1 - AUGUST 15 | OATS
PERENNIAL RYE GRASS
OR TALL FESCUE | 3#
1# |
| AUGUST 16 - NOVEMBER 1 | RYE, WHEAT OR
PERENNIAL RYE GRASS
TALL FESCUE | 3#
1# |
| AFTER NOVEMBER 1 | STRAW OR HAY MULCH | 2-3 BALES |
| SEED BED PREPARATION | LIME
10-10-10 OR 12-12-12
FERTILIZER | 100#
12-15# |
- PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 7 DAYS AT THE COMPLETION OF ANY GRADED AREAS, WEATHER PERMITTING.
 - AT SUCH TIME ROUGH GRADING OF THE SITE IS COMPLETE AND DRAINAGE DIVERTS TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SILTATION.
 - SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING OR NEW STORM INLETS, CATCH BASINS, YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
 - STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE ENGINEER.
 - CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITH 24 HOURS TO MAINTAIN ALL SWPP.
 - SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT FENCES SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
 - TEMPORARY SEDIMENTATION AND STORM WATER POLLUTION PREVENTION MEASURES MUST BE INSPECTED AND LOGGED BY THE CONTRACTOR FOR INSPECTION, LOGGING SHALL BE WEEKLY AND AFTER RAIN STORMS. LOG TO BE KEPT ON SITE FOR OWNER REVIEW.
 - UTILITY COMPANIES MUST COMPLY WITH ALL STORM WATER POLLUTION PREVENTION MEASURES AS DEFINED ON THE STORM WATER POLLUTION PREVENTION PLANS, DETAILS AND NOTES.
 - THE TOTAL AREA OF DISTURBANCE FOR THIS PROJECT IS 431.96 ACRES.
 - ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING THE LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING/GRADING OPERATION AS SHOWN ON PLANS.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
 - ALL STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
 - THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THIS SITE:
 - SILT FENCE
 - SILT BARRIERS
 - CONSTRUCTION ENTRANCE
 - CONCRETE WASHOUT FACILITY
 - DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.
 - DUST SHALL BE CONTAINED USING WATER, OIL IS NOT TO BE USED AS A DUST SUPPRESSANT.
 - ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE.
 - IN THE EVENT OF A LARGE PETROLEUM WASTED SPILL (25 OR MORE GALLONS) CONTRACTOR MUST CONTACT THE KENTUCKY EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF A SPILL OF 25 OR MORE GALLONS.

BMP LIST

- CONST. ENTRANCE
- TEMP. RESTROOMS
- 3-7. SILT FENCE

Kentucky 811

*EXISTING TOPOGRAPHICAL DATA AND PROPOSED GRADE PROVIDED BY KYTC.

CIVIL | GEOTECHNICAL | SURVEYING | MATERIAL TESTING

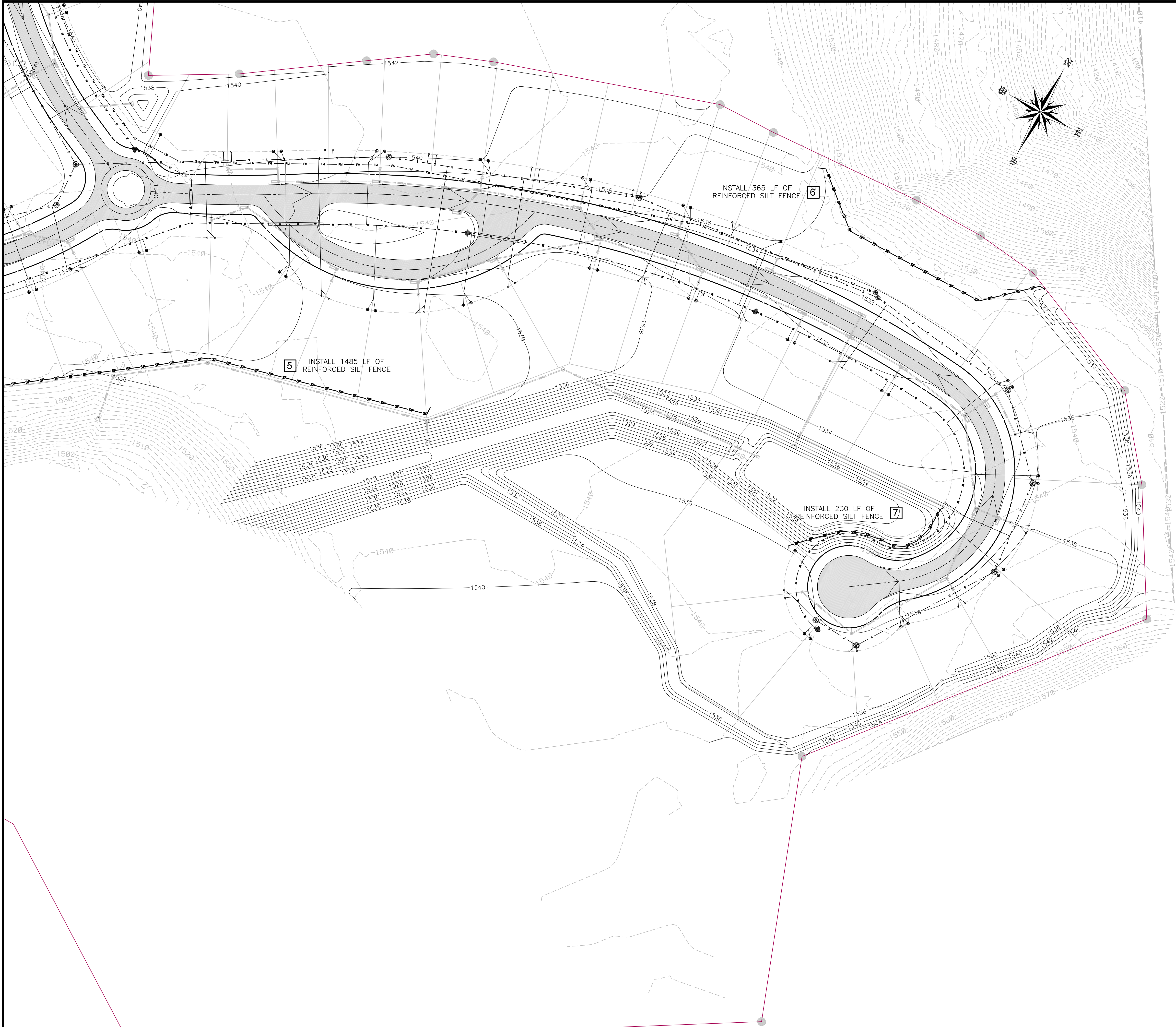
REVISIONS	
DATE	DESCRIPTION

CHESTNUT RIDGE SUBDIVISION
PHASE III WATER & SEWER PROJECT

LEBURN, KY

DETAILED BY: TJB
REVIEWED BY: SRH
JOB NO: 23-01-039
DATE: Jul. 23, 2025
SCALE: 1" = 60'

C3.0
EROSION
CONTROL



*EXISTING TOPOGRAPHICAL DATA AND PROPOSED GRADE PROVIDED BY KYTC.

EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL ACQUIRE KYR10 NOI PERMIT PRIOR TO DISTURBANCE OF SITE
2. ALL WORK SPECIFIED AS AN ODOT ITEM SHALL BE GOVERNED BY THE CURRENT STATE OF KENTUCKY DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION HANDBOOK.
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4. ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED ON THIS SHEET.
5. PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 14 DAYS OR MORE. ALL DISTURBED AND ERODED EARTHSHALL BE REGRADED AND SEEDED WITHIN 7 DAYS WITH SEEDING, AS DEFINED ABOVE AND SHOWN ON THE TABLE BELOW, TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL. WHERE POSSIBLE, TEMPORARY SEEDING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.

TEMPORARY SEEDING SPECIFICATIONS:

SEEDING DATES	SEED TYPE	APPLICATION RATE PER 1,000 S.F.
MARCH 1 - AUGUST 15	OATS	3#
	PERENNIAL RYE GRASS OR TALL FESCUE	1#
AUGUST 16 - NOVEMBER 1	RYE, WHEAT OR PERENNIAL RYE GRASS	3#
	TALL FESCUE	1#
AFTER NOVEMBER 1	STRAW OR HAY MULCH	2-3 BALES
SEED BED PREPARATION	LIME	100#
	10-10-10 OR 12-12-12 FERTILIZER	12-15#

6. PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 7 DAYS AT THE COMPLETION OF ANY GRADED AREAS, WEATHER PERMITTING.
7. AT SUCH TIME ROUGH GRADING OF THE SITE IS COMPLETE AND DRAINAGE DIVERTS TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SILTATION.
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 - 17.A. SILT FENCE
 - 17.B. SILT BARRIERS
 - 17.C. CONSTRUCTION ENTRANCE
 - 17.D. CONCRETE WASHOUT FACILITY
19. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.
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BMP LIST

1. CONST. ENTRANCE
2. TEMP. RESTROOMS
- 3-7. SILT FENCE

0 60 120 Feet

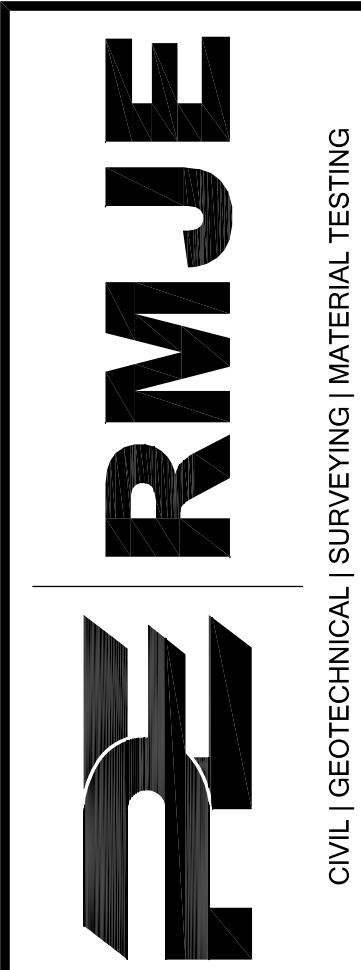


REVISIONS	
DATE	DESCRIPTION

CHESTNUT RIDGE SUBDIVISION PHASE III WATER & SEWER PROJECT

DETAILED BY:	TJB
REVIEWED BY:	SRH
JOB NO:	23-01-039
DATE:	Jul. 23, 2025
SCALE:	1" = 60'

C3.1
EROSION
CONTROL



LEBURN, KY

EROSION AND SEDIMENT CONTROL NOTES

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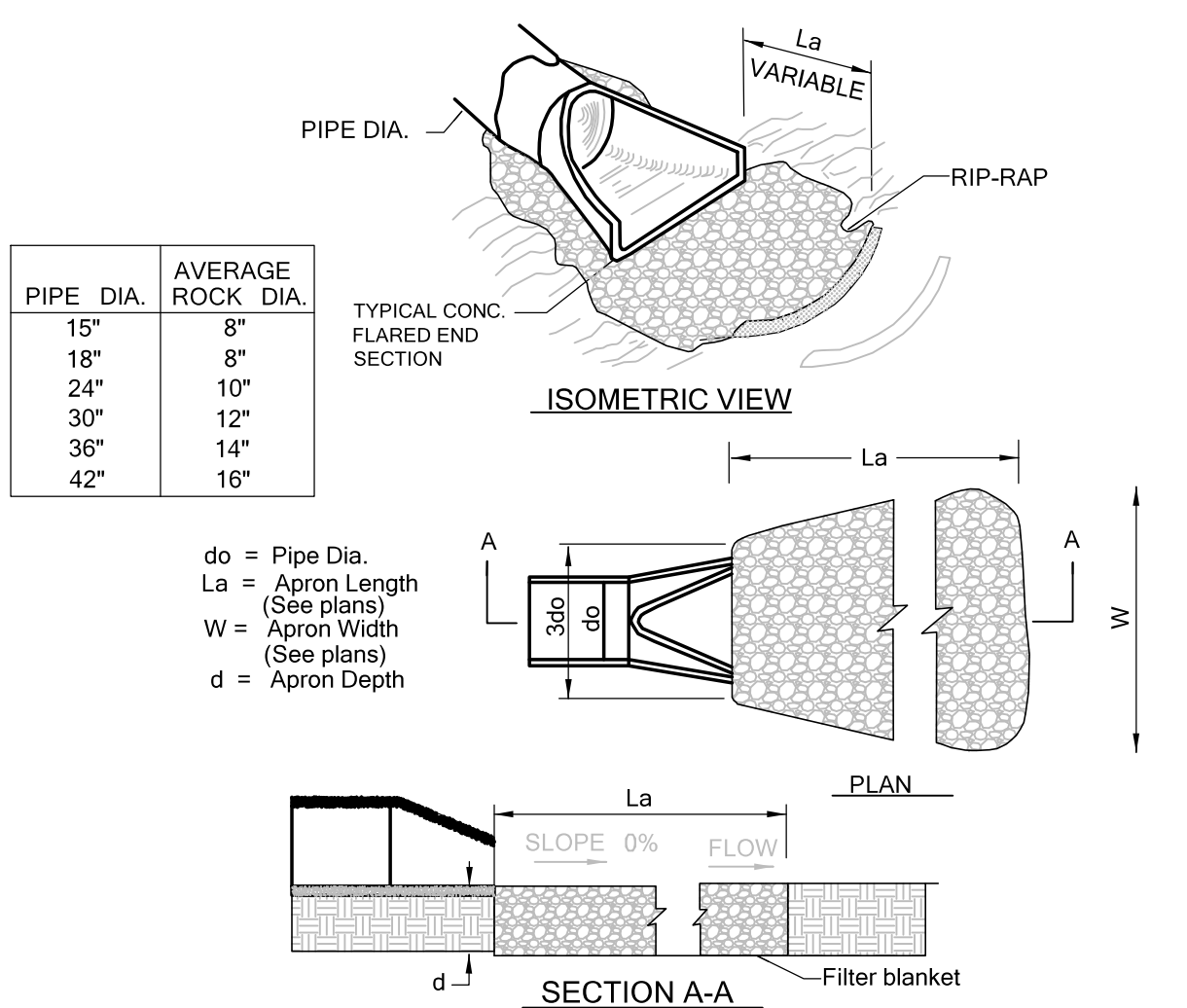
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		1#
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SEED BED PREPARATION	LIME 10-10-10 OR 12-12-12 FERTILIZER	100#
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14. THE TOTAL AREA OF DISTURBANCE FOR THIS PROJECT IS 431.96 ACRES.

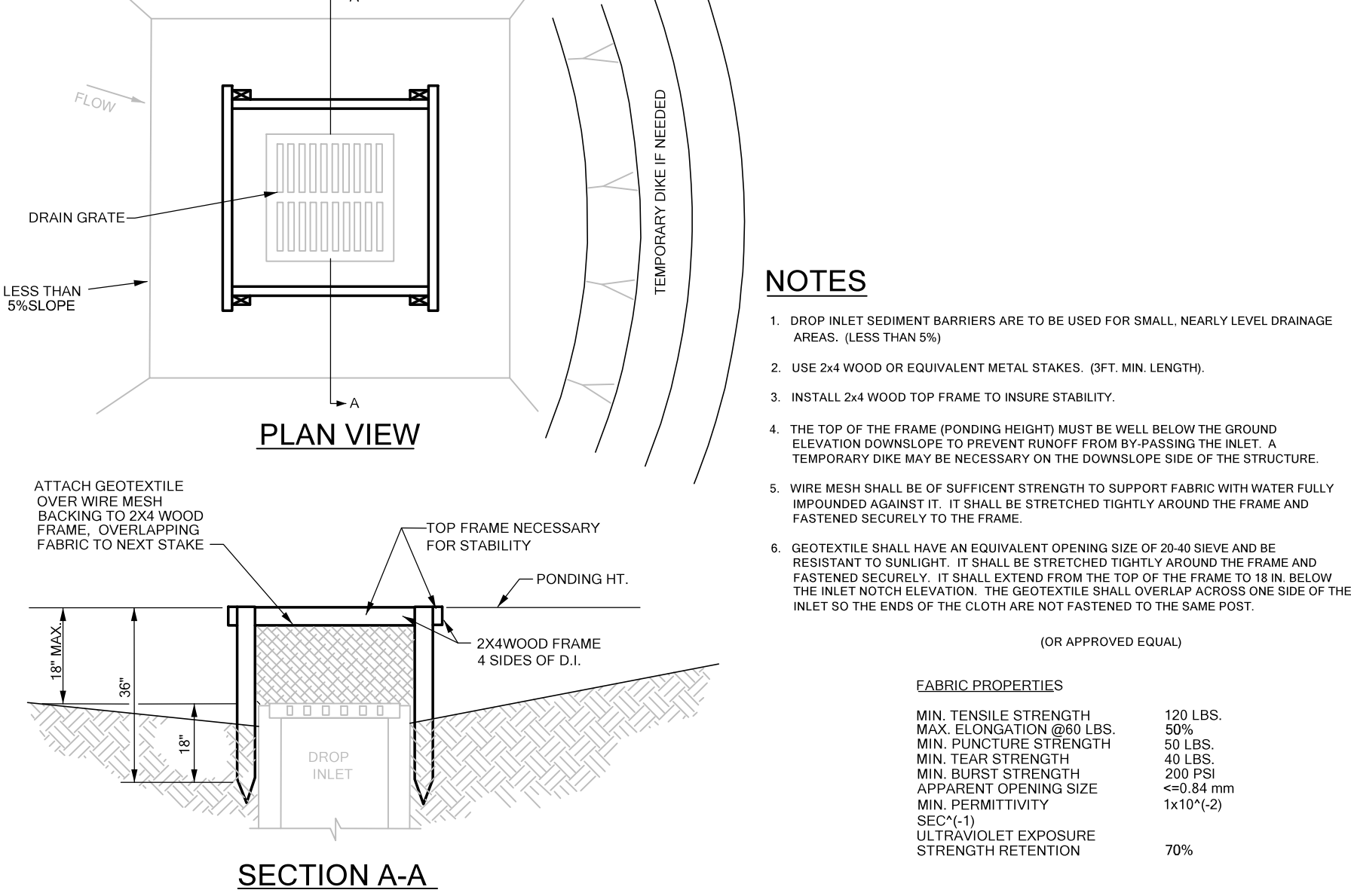
15. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING THE LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING/GRADING OPERATION AS SHOWN ON PLANS.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
17. ALL STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
18. THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THIS SITE:
- 17.A. SILT FENCE
- 17.B. SILT BARRIERS
- 17.C. CONSTRUCTION ENTRANCE
- 17.D. CONCRETE WASHOUT FACILITY
19. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.
20. DUST SHALL BE CONTAINED USING WATER, OIL IS NOT TO BE USED AS A DUST SUPPRESSANT.
21. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PAVEMENT SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE.
22. IN THE EVENT OF A LARGE PETROLEUM WASTED SPILL (25 OR MORE GALLONS) CONTRACTOR MUST CONTACT THE KENTUCKY EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF A SPILL OF 25 OR MORE GALLONS.

OUTLET PROTECTION DETAIL

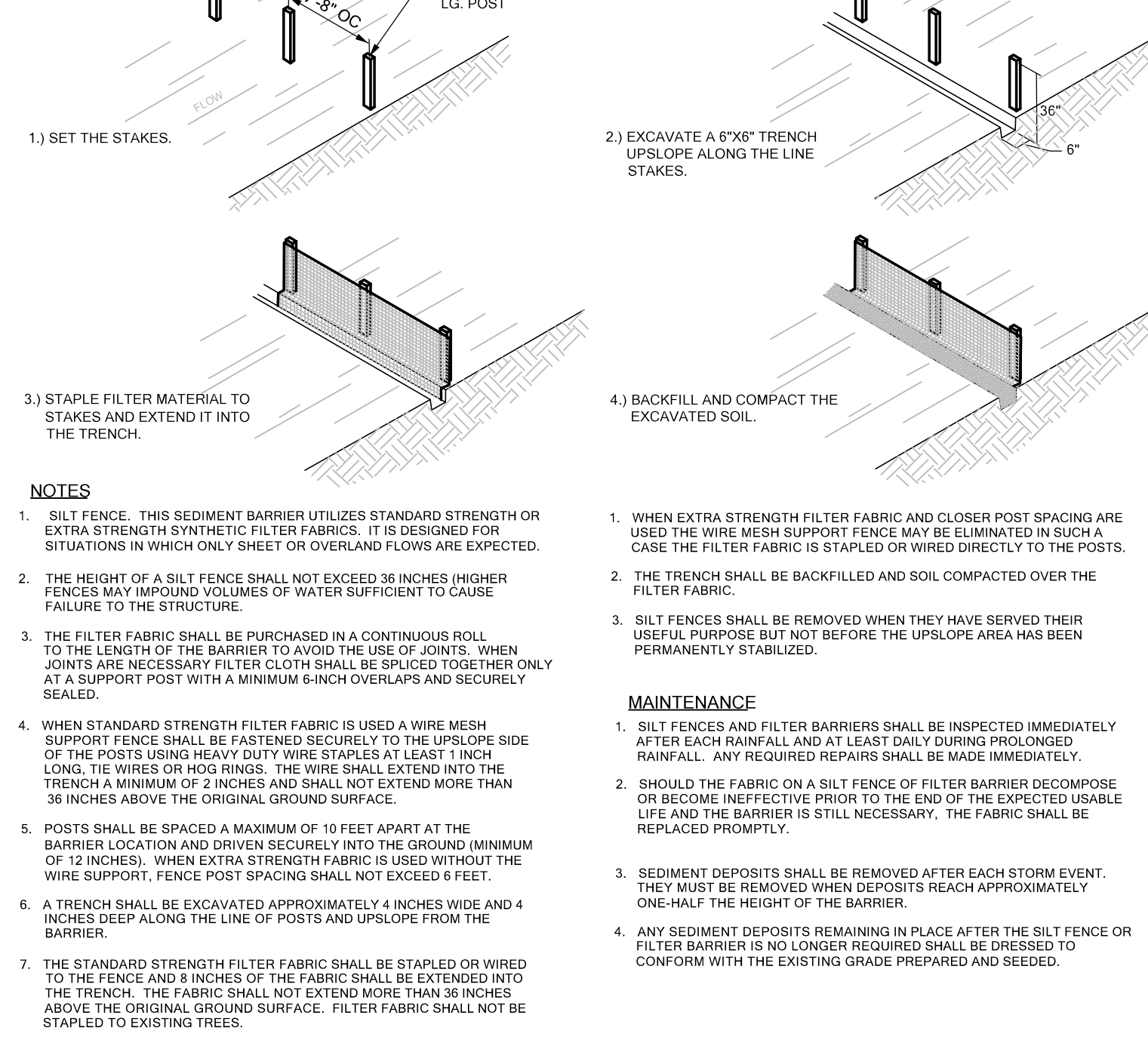


- NOTES:
- SEE APPROPRIATE SCHEDULE FOR DIMENSIONS
1. La is the length of the riprap apron.
2. d = 1.5 times the maximum stone diameter but not less than 6".
3. A filter blanket or filter fabric should be installed between the rip-rap and soil foundation

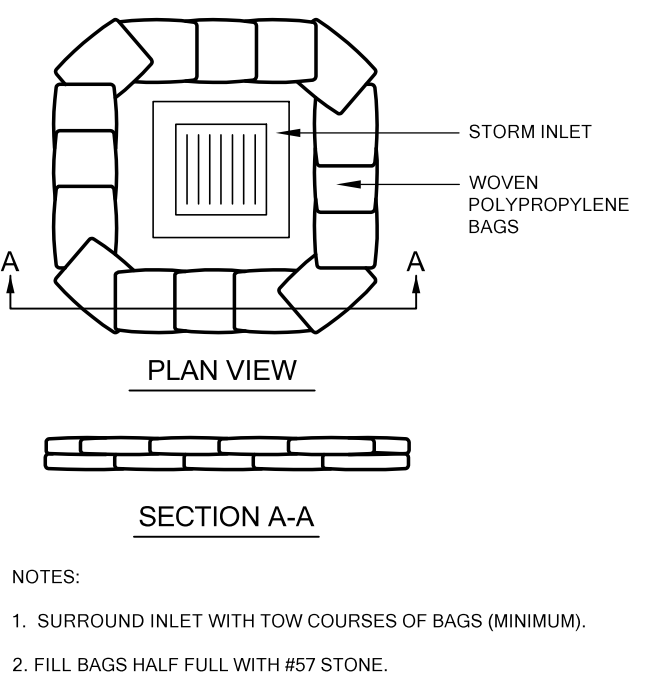
SILT BARRIER DETAIL



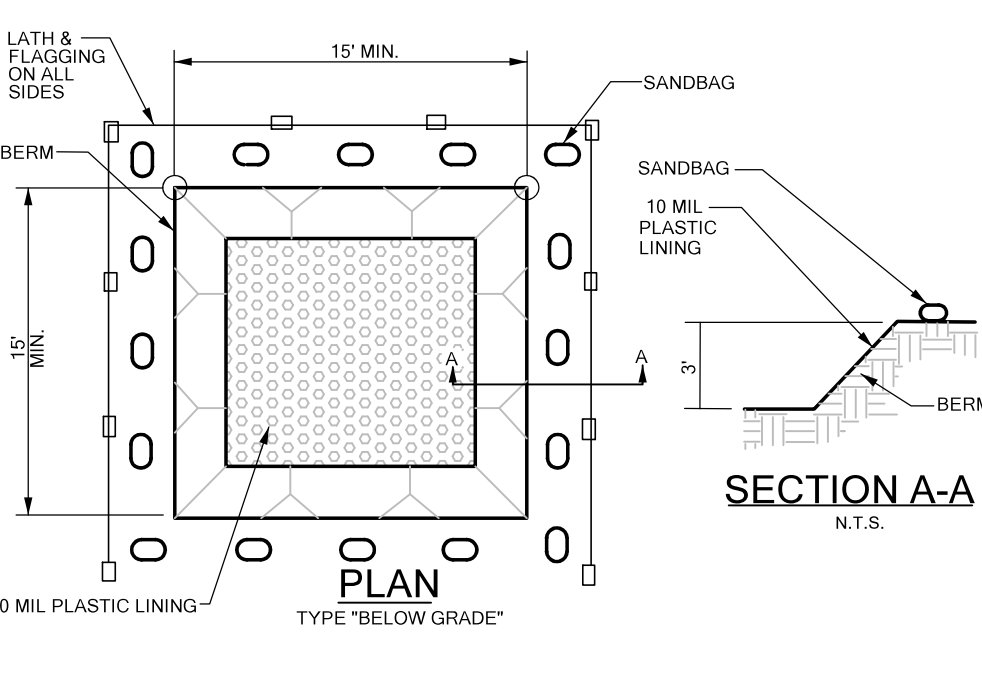
SILT FENCE DETAIL



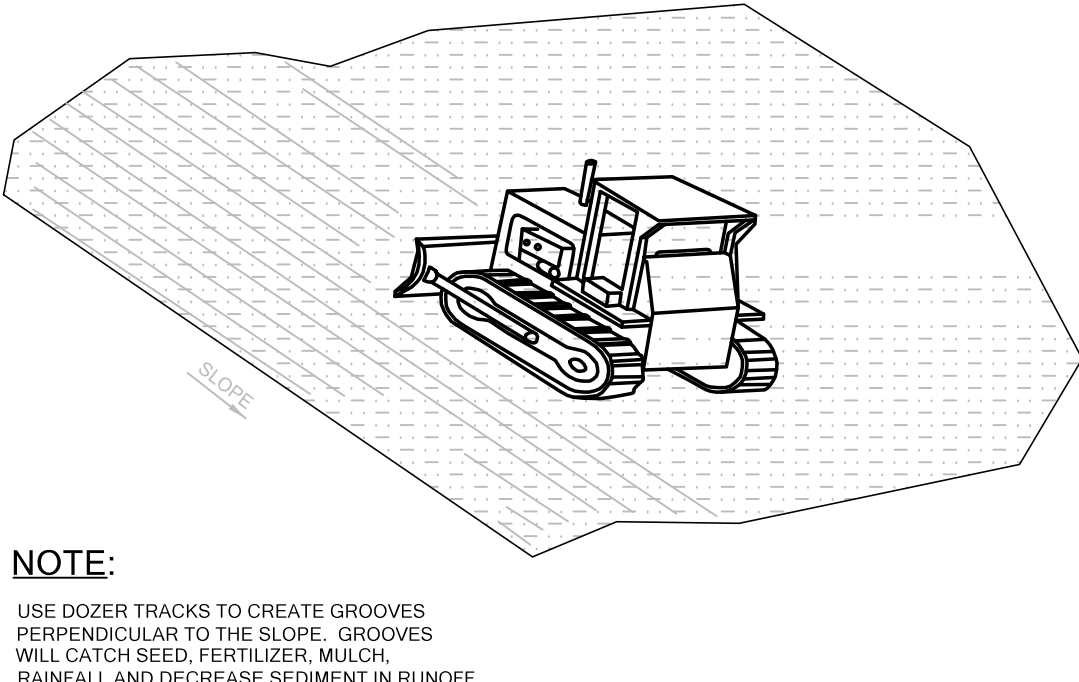
INLET PROTECTION DETAIL



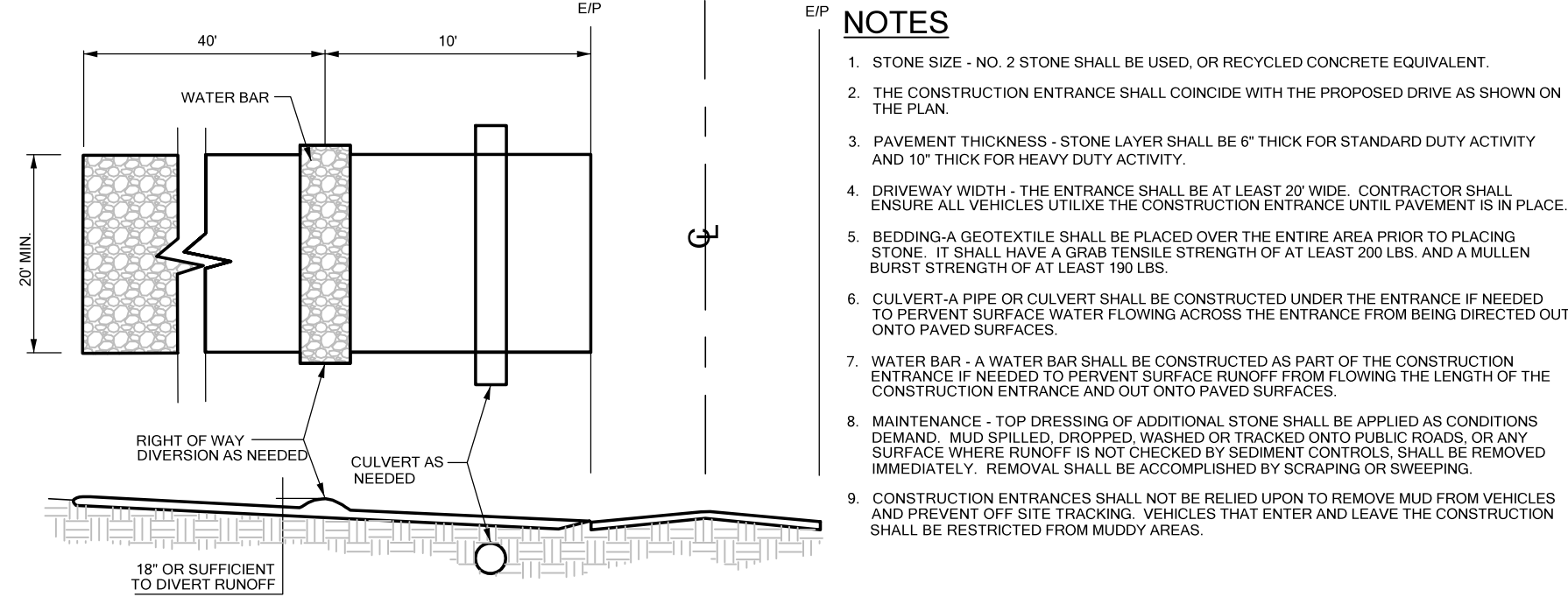
CONCRETE WASHOUT FACILITY DETAIL



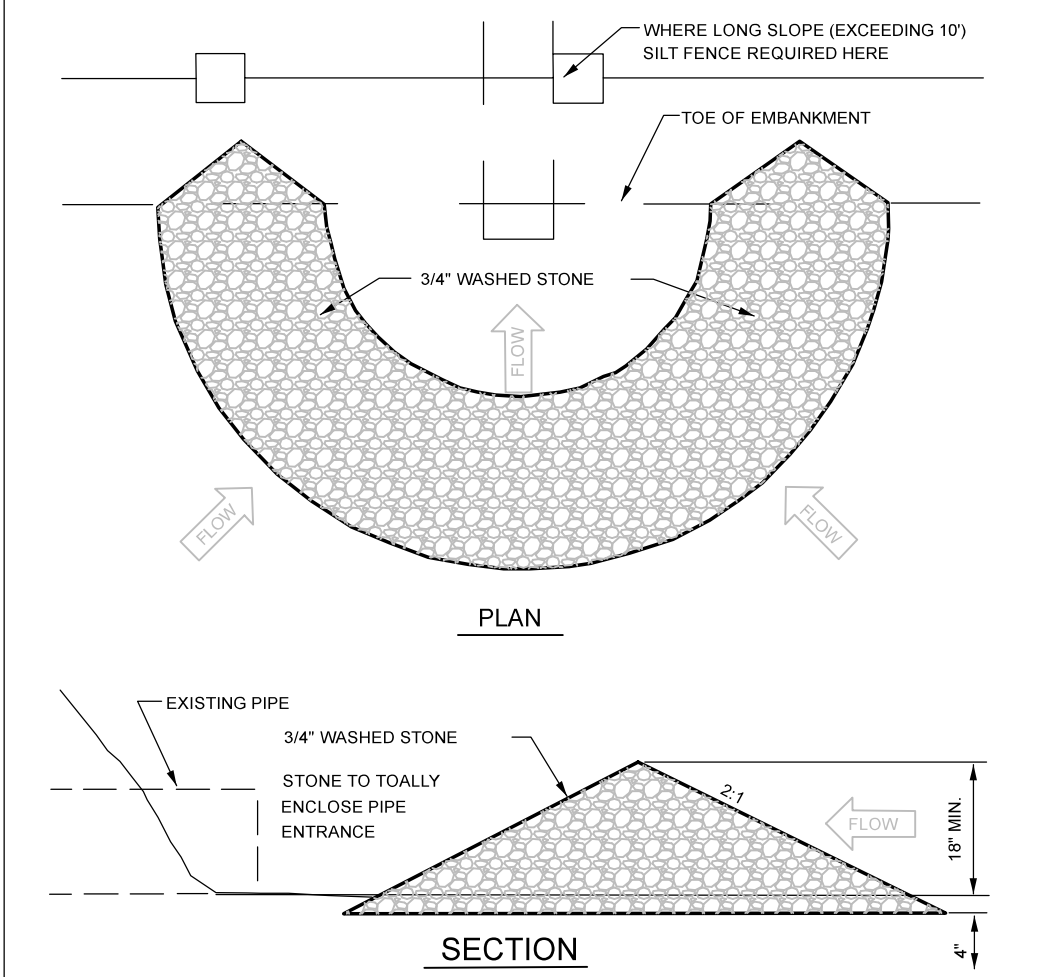
DOZER TRACKING DETAIL



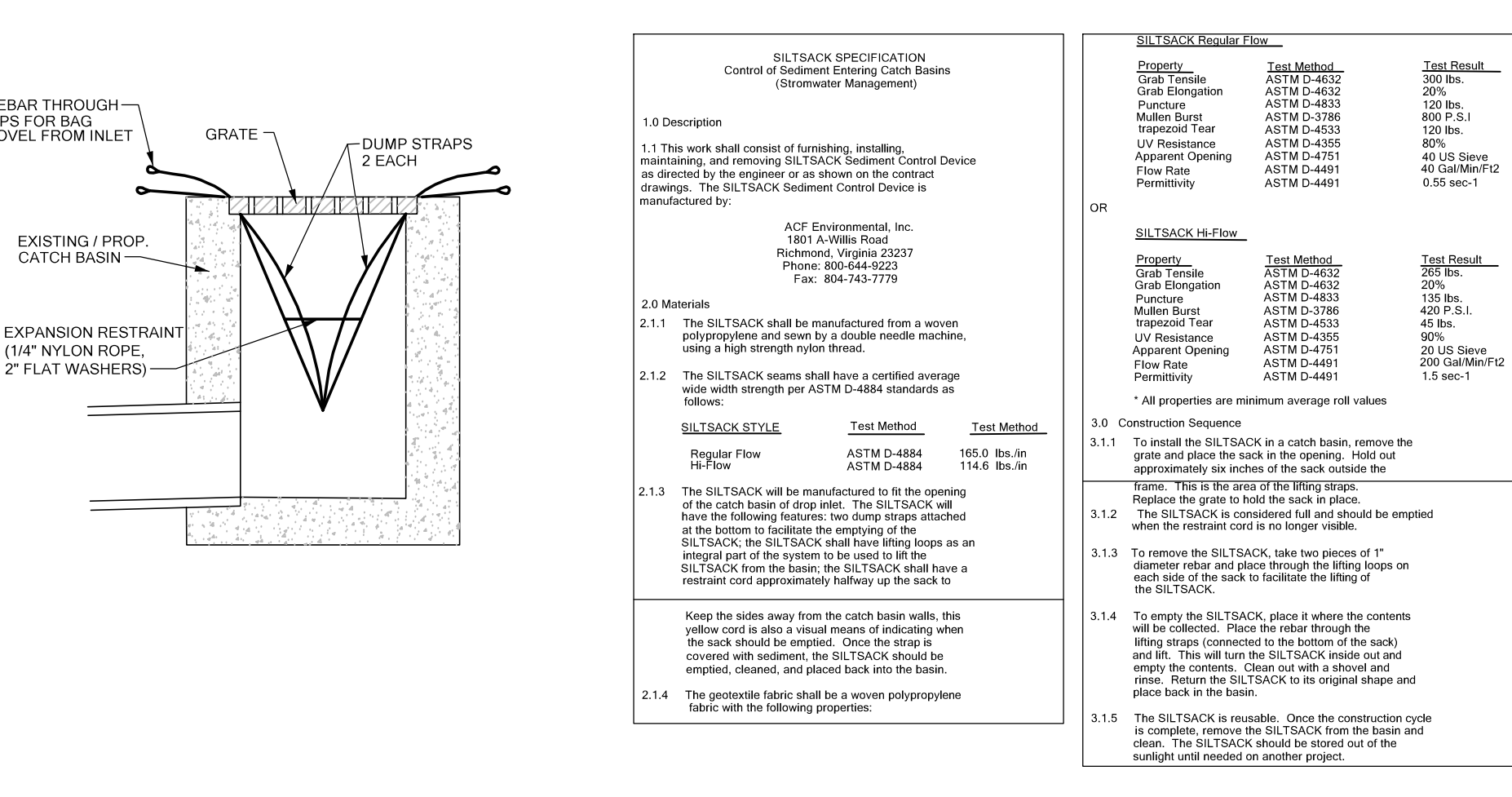
TEMPORARY STABILIZED CONSTRUCTION ENTRANCE DETAIL



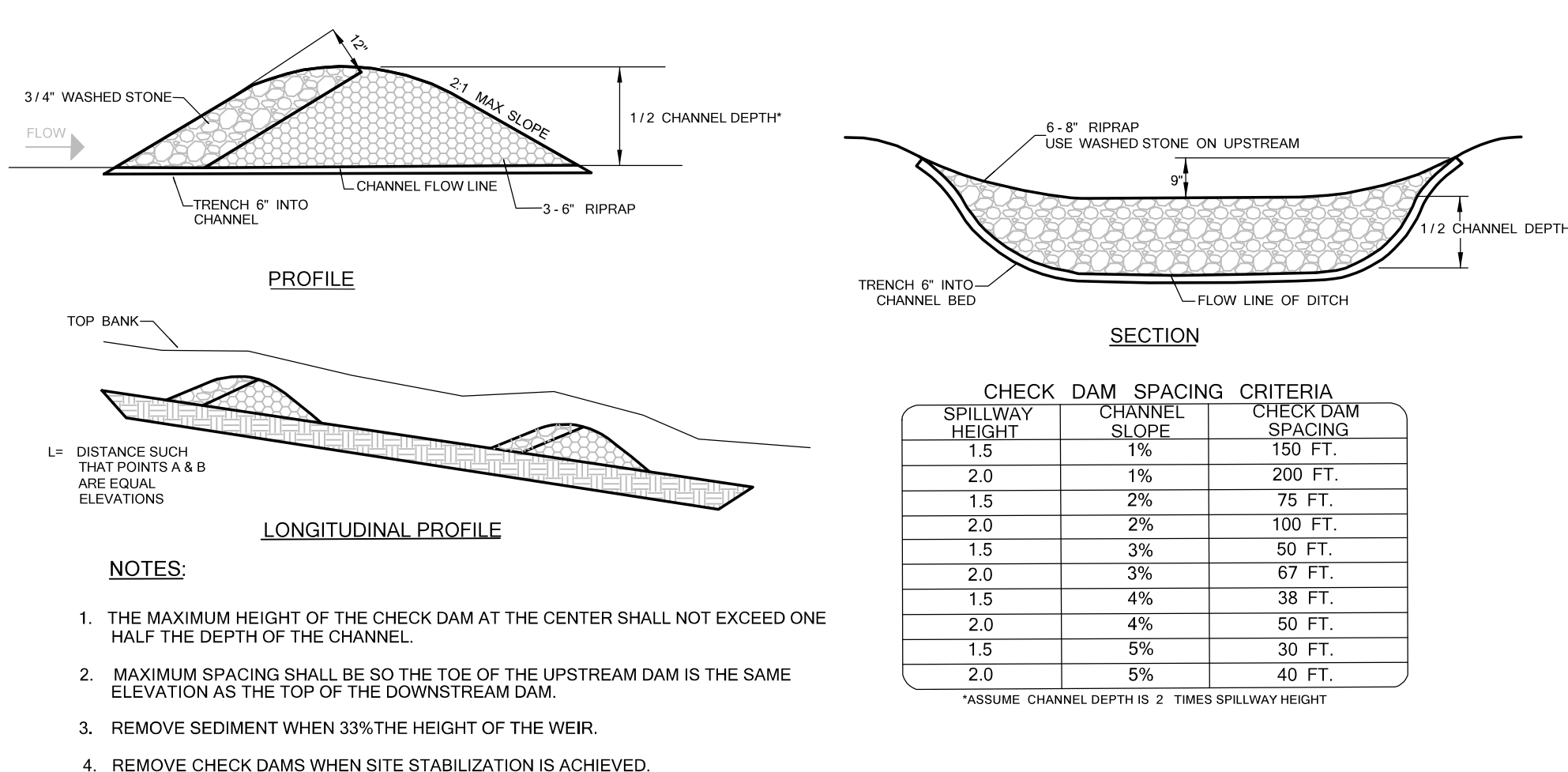
PIPE INLET PROTECTION DETAIL



SILTSACK DETAIL



DITCH ROCK CHECK DAM DETAIL



REVISIONS	DATE	DESCRIPTION

CHESTNUT RIDGE SUBDIVISION
PHASE III WATER & SEWER PROJECT

DETAILED BY:	TJB
REVIEWED BY:	SRH
JOB NO:	23-01-039
DATE:	Jul. 23, 2025
SCALE:	N.T.S.

C3.2
EROSION
CTRL DETAILS