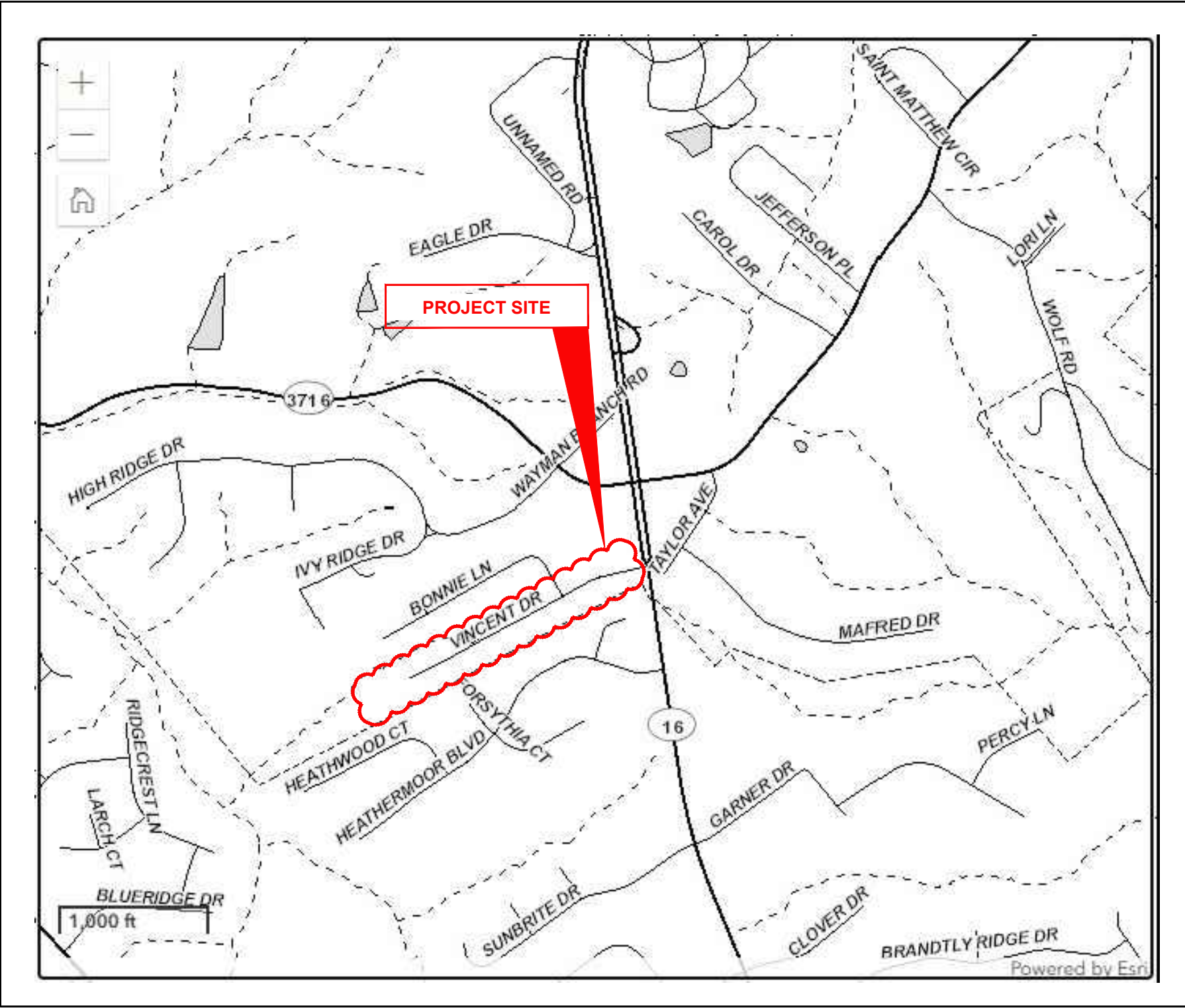


CITY OF TAYLOR MILL KENTON COUNTY, KENTUCKY VINCENT DRIVE DRAINAGE AND ROADWAY IMPROVEMENTS 34158

CITY OF TAYLOR MILL OFFICIALS
<p>MAYOR DAN BELL</p>
<p>CITY CLERK KRISTY WEBB</p>
<p>CITY COMMISSIONERS</p> <p>CAROLINE BRADEN MARK KREIMBORG ROSE MERRITT DANIEL MURRAY</p>
<p>CITY TREASURER TONYA MOHNEN</p>
<p>CHIEF ADMINISTRATIVE OFFICER (CAO) BRIAN HANEY</p>
<p>PUBLIC WORKS DIRECTOR JERRY JUMP</p>



VICINITY MAP

K.T.C SPECIFICATIONS

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

SOURCE OF BOUNDARY AND TOPOGRAPHIC 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. THE TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED UPON A FIELD SURVEY BY MASON CARR IN NOVEMBER, 2024.

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VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
TITLE SHEET

PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	TTL
SHEET	1
OF	21

JAMES SHUMATE P.E. #18156

GENERAL NOTES
<p>1. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE KENTON COUNTY SUBDIVISION REGULATIONS AND THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.</p> <p>2. EXPANSION MATERIAL SHALL BE FLEXIBLE FOAM MATERIAL, SUCH AS CERAMAR BY W.R. MEADOWS OR APPROVED EQUAL, INSTALLED IN AREAS OF CONCRETE WALK, DRIVES OR CURB/GUTTER ONLY AT THE FOLLOWING:</p> <p>A. AT ALL FIXED OBJECTS (I.E. UTILITY COVERS, VALVES, MANHOLES, ETC.)</p> <p>B. AT ALL RIGID STRUCTURES (I.E. DRIVES, CURBS, STEPS, ETC.) PAYMENT FOR THIS ITEM AND ZIP STRIPS INCLUDED IN THE PERTINENT CONCRETE PAVEMENT UNIT PRICE.</p> <p>C. AT ALL STREET INTERSECTIONS AT THE POINT OF CURVATURE OF THE TURNING RADI ENTERING THE INTERSECTION.</p> <p>D. NO CONCRETE SHALL BE LEFT ABOVE THE EXPANSION MATERIAL OR ACROSS THE JOINT AT ANY POINT. ANY CONCRETE SPANNING THE ENDS OF THE JOINT NEXT TO THE FORMS SHALL BE CAREFULLY CUT AWAY AFTER THE FORMS ARE REMOVED. BEFORE THE PAVEMENT IS OPENED TO TRAFFIC, THE GROOVE ABOVE THE EXPANSION JOINT MATERIAL SHALL BE CLEANED AND SEALED WITH JOINT SEALING MATERIAL.</p> <p>3. DRAINAGE IMPROVEMENTS AND ROADWAY REPLACEMENT PROJECT MAY NOT BEGIN BEFORE JULY 15, 2026 AND SHALL BE SUBSTANTIALLY COMPLETE NO LATER THAN SEPTEMBER 30, 2027.</p> <p>4. DOWNSPOUT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST SPECIFICATION OF THE KENTON COUNTY 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.</p> <p>5. 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. A RESIDENTIAL YARD SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.</p> <p>6. ALL APPLICABLE RECOMMENDATIONS IN KENTUCKY'S BEST MANAGEMENT PRACTICES MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.</p> <p>7. RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM KENTON COUNTY G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.</p> <p>8. THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS AND RIGHTS-OF-WAY SHOWN ON THESE PLANS UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER AND APPROVED BY THE CITY OF TAYLOR MILL.</p> <p>9. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.</p> <p>10. RELOCATION OR REINSTALLATION OF EXISTING MAIL BOXES, FENCES, PRIVATE LANDSCAPE LIGHTS, PRIVATE SIGNS, STREET SIGNS, RESTORATION OF LANDSCAPING AND TREATMENT OF EXISTING WALLS WHERE A PORTION HAS BEEN REMOVED SHALL BE INCIDENTAL TO CLEARING AND GRUBBING.</p> <p>11. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL KENTON COUNTY AND THE CITY OF TAYLOR MILL PERMITS HAVE BEEN ISSUED AS REQUIRED.</p> <p>12. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE CITY OF TAYLOR MILL. LOCAL TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THESE PLANS.</p> <p>13. 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.</p> <p>14. LIMITS OF DRIVEWAY APRON & SIDEWALK REPLACEMENT TO BE MARKED IN THE FIELD BY THE ENGINEER. ADDITIONAL DRIVEWAY & SIDEWALK REPLACEMENTS, NOT SHOWN ON THE PLANS MAY BE REQUIRED BY THE ENGINEER.</p> <p>15. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE ON ALL FINISHED SURFACES. THE CONTRACTOR TO CONSULT WITH THE ENGINEER FOR AREAS SUBJECT TO PONDING.</p> <p>16. 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.</p> <p>17. 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.</p> <p>18. 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.</p> <p>19. 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.</p> <p>20.</p>

UTILITY NOTES
<p>1. EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE FOR INFORMATIONAL PURPOSES ONLY. NO RESPONSIBILITY IS ASSURED FOR THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. ALL UTILITIES MUST BE MARKED AND THEIR HORIZONTAL AND VERTICAL LOCATION FIELD VERIFIED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL NOT CUT OR DISCONNECT ANY EXISTING UTILITY WITHOUT PRIOR APPROVAL FROM THE APPROPRIATE AGENCY.</p> <p>2. THE UNDERGROUND UTILITIES AND SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO KNOWN INFORMATION AVAILABLE. THE LOCATIONS SHOWN ARE INTENDED ONLY AS A GUIDE AND CANNOT BE GUARANTEED TO BE ACCURATE OR COMPLETE. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING UTILITIES WHETHER SHOWN ON THE CONTRACT DRAWINGS OR NOT. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR RESTORATION OF SAME TO THE SATISFACTION OF THE OWNER OR UTILITY OWNER AT THE CONTRACTOR'S SOLE EXPENSE. ELECTRIC, GAS, WATER, TELEPHONE AND CABLE SERVICES MAY BE LOCATED IN THE PROXIMITY OF THE WORK AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:</p> <p>a. CONTACTING THE INDIVIDUAL UTILITY OWNERS TEN (10) DAYS PRIOR TO CONSTRUCTION AND ADVISING THEM OF THE WORK TO TAKE PLACE.</p> <p>b. SOLICITING THEIR AID IN LOCATING AND PROTECTING OR RELOCATING ANY UTILITY THAT MAY INTERFERE WITH CONSTRUCTION.</p> <p>c. TEST PITTING AND VERIFYING THE HORIZONTAL AND VERTICAL LOCATION FOR EACH UTILITY IN THE PROJECT VICINITY BEFORE STARTING CONSTRUCTION.</p> <p>d. ALL DAMAGE TO ANY EXISTING UTILITY, AND REPAIR THEREOF.</p> <p>e. CONTACTING THE KENTUCKY UNDERGROUND PROTECTION INC. (KUPI) 1-800-752-6007 48 HOURS MINIMUM PRIOR TO CONSTRUCTION.</p> <p>f. CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO RESTORE EXISTING UTILITIES WHETHER SHOWN OR NOT, UNENCOUNTERED OR DISTURBED DURING CONSTRUCTION TO "BEFORE CONSTRUCTION" CONDITIONS OR BETTER, AS ACCEPTABLE TO THE UTILITY OWNER.</p> <p>3. WHERE POTENTIAL ELEVATION CONFLICTS MAY OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT THE EXACT ELEVATION CAN BE DETERMINED AND ANY NECESSARY ADJUSTMENTS BE MADE. THE COST OF THE LOCATION AND ADJUSTMENT WORK, IF ANY, SHALL BE INCLUDED IN THE TOTAL COST FOR THE PROJECT. NO ADDITIONAL PAYMENT WILL BE MADE.</p> <p>4. ADJUSTMENTS TO LINE AND GRADE OF THE NEW PIPING OR EXISTING UTILITIES SHALL BE MADE BY THE CONTRACTOR TO AVOID CONFLICTS IN THE FIELD.</p> <p>a. ANY ADJUSTMENTS TO LINE AND GRADE OF THE NEW PIPING SHALL BE AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL PAYMENT WILL BE MADE.</p> <p>b. ADJUSTMENTS IN DEPTH OF 24.0 INCHES OR LESS NECESSARY FOR THE NEW PIPELINE OR EXISTING UTILITIES BECAUSE OF UTILITY OR GRADE CONFLICTS SHALL BE INSTALLED AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACTOR'S BID. NO ADDITIONAL COSTS WILL BE PAID BY THE OWNER.</p> <p>c. COSTS FOR ADJUSTMENTS IN DEPTH THAT EXCEED 24.0 INCHES NECESSARY FOR THE NEW PIPELINE OR EXISTING UTILITIES BECAUSE OF UTILITY OR GRADE CONFLICTS WILL BE PAID AT AN AGREED UPON UNIT PRICE ACCEPTABLE TO THE OWNER.</p> <p>5. 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.</p> <p>6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SUPPORT OR TEMPORARY RELOCATION OF ALL EXISTING UTILITIES AFFECTED BY THE PROPOSED CONSTRUCTION. ALL COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACTORS BID. NO ADDITIONAL PAYMENT FOR THIS WORK SHALL BE RECEIVED FROM THE OWNER.</p> <p>a. WHERE HIGH PRESSURE OIL FILLED PIPE TYPE CABLE INSTALLATION ARE EXPOSED OR OTHERWISE INTERFERED WITH, PROTECTION BY THE CONTRACTOR WILL BE REQUIRED AGAINST DAMAGE TO THE COATING OR SUPPORTING THERMAL SAND ENVELOPE.</p> <p>b. WHERE CONCRETE ENCASED CONDUIT SYSTEMS OR DIRECT BURIED CABLE SYSTEMS ARE EXPOSED OR OTHERWISE INTERFERED WITH, THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY TO PROTECT THE SYSTEM AS NECESSARY AGAINST DAMAGE, AS SOON AS FEASIBLE, THE CONTRACTOR SHALL TAKE ADDITIONAL APPROPRIATE STEPS TO PROVIDE PERMANENT MEASURES TO RESTORE SUPPORT. METHODS USED SHALL BE BASED ON CONDITIONS TO BE DETERMINED BY THE UTILITY.</p> <p>c. WHERE POLE OR ANCHORS THAT SUPPORT OVERHEAD FACILITIES ARE EXPOSED OR OTHERWISE INTERFERED WITH, THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY TO PROTECT THEM FROM DAMAGE AND TO PROVIDE TEMPORARY SUPPORT TO INSURE THE INTEGRITY OF THE SYSTEM, AS SOON AS FEASIBLE, THE CONTRACTOR SHALL TAKE ADDITIONAL APPROPRIATE STEPS TO PROVIDE PERMANENT MEASURES TO RESTORE SUPPORT. METHODS USED SHALL BE BASED ON CONDITIONS TO BE DETERMINED BY THE UTILITY.</p> <p>d. WHERE PROPOSED EXCAVATION DEPTH EXCEEDS 5 FEET, THE CONTRACTOR SHALL SHIELD AND SHORE THE TRENCH AND COORDINATE WITH THE UTILITY TO CONTINUOUSLY MAINTAIN THE SUPPORT THE SUPPORT OF THE UNDERGROUND FACILITY AT LOCATIONS WHERE FACILITY IS WITHIN THE ZONE OF INFLUENCE ADJACENT TO THE EXCAVATION AS DETERMINED BY THE NATURAL ANGLE OF THE REPOSE OF THE SOIL.</p> <p>e. ALL DAMAGE TO FACILITIES AND SERVICES REQUIRING ADJUSTMENTS, RELOCATIONS AND/OR REPAIRS WILL BE MADE AT THE CONTRACTOR'S COST.</p> <p>f. THE CONTRACTOR SHALL NOT BACKFILL EXPOSED FACILITIES UNTIL THE OWNER HAS INSPECTED ITS FACILITY OR PERFORMED ANY ADJUSTMENTS AND/OR MAINTENANCE THAT MAY BE REQUIRED.</p>

STORM & SANITARY NOTES
<p>1. THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR SELECTING THE APPROPRIATE CONSTRUCTION MEANS AND METHODS. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRENCH EXCAVATION PLAN TO THE DESIGN TEAM PRIOR TO THE START OF CONSTRUCTION. THIS SUBMITTAL SHOULD AT A MINIMUM INCLUDE THE CONTRACTOR'S PLAN FOR TRENCH EXCAVATIONS, STOCKPILING AND DISPOSAL OF SOILS, GROUNDWATER CONTROL AND BACKFILLING OF TRENCHES.</p> <p>2. A CONTINGENCY QUANTITY FOR TRENCH UNDERCUTTING HAS BEEN PROVIDED FOR AREAS WHERE UNSUITABLE SOILS ARE ENCOUNTERED.</p> <p>3. ALL EXISTING UTILITY TRENCHES ENCOUNTERED SHALL BE ADEQUATELY SUPPORTED AND MONITORED DURING TRENCH EXCAVATION, SEWER INSTALLATION, AND TRENCH BACKFILLING. THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR DEVELOPING THE APPROPRIATE TEMPORARY UTILITY SUPPORTS AND MEANS AND METHODS FOR TRENCH EXCAVATION RUNNING PARALLEL TO OR CROSSING EXISTING UTILITIES.</p> <p>4. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY SHORING, BRACING AND SHEETING DESIGN, IF REQUIRED, AND THE PROTECTION OF HOUSES, ROADWAYS, UTILITIES, EXISTING SLOPES AND ANY OTHER STRUCTURES. ALL COSTS ASSOCIATED WITH THIS WORK ARE INCIDENTAL TO THE CONTRACT PRICE AND NO ADDITIONAL PAYMENT WILL BE MADE.</p> <p>5. TRENCH EXCAVATIONS IN CLOSE PROXIMITY TO STRUCTURES AND UTILITIES SHALL BE PERFORMED WITH CAUTION AND IN SHORT (20 TO 25) SECTIONS SO AS TO LIMIT THE OPEN, UNBACKFILLED LENGTH OF TRENCH. BACKFILL TO BE PLACED AND COMPACTED CLOSE BEHIND PIPE INSTALLATION.</p> <p>6. CONTRACTOR SHOULD BE PREPARED TO MAINTAIN SIDES OF EXCAVATIONS AND TO MINIMIZE THE SLOUGHING OF SOILS AND LOOSESED ROCK FRAGMENTS INTO THE TRENCHES. TEMPORARY SHORING SHOULD BE USED WHEREVER THE BOTTOM OF THE TRENCH EXCAVATION WILL BE WITHIN A 2H:1V OUTWARD AND DOWNWARD PROJECTION FROM THE FOUNDATIONS OF EXISTING STRUCTURES. ALL COSTS ASSOCIATED WITH THIS WORK ARE INCIDENTAL TO THE CONTRACT PRICE AND NO ADDITIONAL PAYMENT WILL BE MADE.</p> <p>7. THE CONTRACTOR SHALL PROVIDE A PRECONSTRUCTION SURVEY OF THE ROADWAY, UTILITIES AND STRUCTURES WITHIN THE PROJECT LIMITS. THE SURVEY SHALL BE COMPLETED PRIOR TO THE START OF ANY CONSTRUCTION AND VIBRATION MONITORING SHALL BE COMPLETED WHEN EXCAVATING AND BACKFILLING WITHIN 50 FEET OF STRUCTURES ALONG WITH PERIODIC MONITORING. THE SURVEY SHALL COMPLETELY DOCUMENT THE PRE-CONSTRUCTION CONDITIONS OF ABOVE GRADE STRUCTURES THROUGH THE USE OF STILL PHOTOS, VIDEO TAPES, ETC. COPIES OF THE DOCUMENTATION SHALL BE SUBMITTED TO SD1 AND CITY OF TAYLOR MILL PRIOR TO BEGINNING ANY CONSTRUCTION. COST FOR THIS WORK WILL BE PAID FOR UNDER THE LUMP SUM BID ITEM "PRECONSTRUCTION SITE SURVEY".</p> <p>8. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO SANITATION DISTRICT No. 1 (SD1) REGULATIONS AND SPECIFICATIONS.</p> <p>9. THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL LABOR, TOOLS, CONSTRUCTION EQUIPMENT, FACILITIES AND SERVICES FOR THE PROPER EXECUTION, TESTING AND COMPLETION OF THE WORK.</p> <p>10. ANY PART OF THE WORK THAT IS NECESSARY OR REQUIRED TO MAKE EACH INSTALLATION SATISFACTORY AND OPERABLE FOR ITS INTENDED PURPOSE TO THE SATISFACTION OF THE OWNER AND ENGINEER, EVEN THOUGH IT IS NOT SPECIFICALLY INCLUDED IN THE DRAWINGS, SHALL BE PERFORMED AS INCIDENTAL WORK AS IF IT WERE SHOWN ON THE DRAWINGS.</p> <p>11. ANY ITEM REQUIRED BUT NOT LISTED AS A SEPARATE PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO SEPARATE PAYMENT SHALL BE MADE.</p> <p>12. ALL STORM PIPE SHALL BE ADS HDPE, CORRUGATED STORM, REINFORCED CONCRETE PIPE, SPECIFIED BY SD#1 OR APPROVED EQUAL BY THE OWNER AND ENGINEER.</p> <p>13. RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM DEEDS AND PLATS OF RECORD AND ARE APPROXIMATE AND NOT A RESULT OF A FIELD BOUNDARY SURVEY.</p> <p>14. THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS SHOWN ON THE PLANS UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER AND APPROVED BY SD1.</p> <p>15. OWNER TO PROVIDE INITIAL ONE-TIME CONSTRUCTION STAKING. CONTRACTOR IS RESPONSIBLE FOR PROTECTING STAKES AND ANY ADDITIONAL RESTAKING AS NEEDED.</p> <p>16. CONTRACTOR IS REQUIRED TO REPLACE ANY FENCING THAT IS REMOVED WITH AN EQUAL OR BETTER QUALITY FENCING TO THE PROPERTY OWNER'S SATISFACTION. CONTRACTOR TO PROVIDE TEMPORARY FENCING AS REQUIRED TO MEET INDIVIDUAL PROPERTY OWNER'S REQUIREMENTS FOR THE DURATION OF THE PROJECT.</p> <p>17. CONTRACTOR WILL BE RESPONSIBLE FOR A 1-YEAR MAINTENANCE PERIOD BEGINNING FROM FINAL PROJECT COMPLETION.</p> <p>18. CONTRACTOR SHALL ESTABLISH AN ACCEPTABLE GROWTH OF GRASS (AS DEFINED IN SPECIFICATIONS) FOR ALL AREAS DISTURBED DURING THE COURSE OF CONSTRUCTION AS APPLICABLE.</p> <p>19. PRIOR TO THE SCHEDULED DATE FOR THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT TO SD1 FOR REVIEW A CONSTRUCTION SCHEDULE THAT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING AS REQUESTED BY SD1:</p> <p>a. ANTICIPATED START AND COMPLETION DATES</p> <p>b. SEQUENCE AND PHASING OF CONSTRUCTION</p> <p>c. STAGING AREAS FOR MATERIALS AND EQUIPMENT</p> <p>d. ACCESS POINTS AND STONE CONSTRUCTION ENTRANCES</p> <p>e. LIST OF SUBCONSULTANTS AND MATERIAL SUPPLIERS</p> <p>f. POINTS OF CONTACT AND EMERGENCY PHONE NUMBERS</p> <p>g. PROOF OF INSURANCE AND BONDING STATEMENT</p> <p>20. ALL NON-PERMANENT STRUCTURES (SHEDS, SWINGS, PLAY EQUIPMENT, ETC.) THAT ENCRONCH ON CONSTRUCTION SHALL BE TEMPORARILY REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.</p> <p>21. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT PREPARED BY TERRACON DATED DECEMBER 5, 2024 AND THE REVISED UPDATE DATED MARCH 9, 2026.</p> <p>22. ALL STORM AND SANITARY ITEMS SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS AND DETAILS FROM SD1. METAL PIPE MATERIALS SHALL NOT BE USED UNLESS OTHERWISE SPECIFIED ON THESE PLANS.</p> <p>23. 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.</p> <p>24. IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM AND SANITARY SEWER INSPECTIONS AS SET OUT IN THE PRECONSTRUCTION MEETING.</p> <p>25. CONNECTIONS INTO EXISTING OR PROPOSED STORM OR SANITARY SEWER STRUCTURES OR PIPES SHALL BE COMPLETED BY A CERTIFIED TAPPER BY SD1.</p>

EROSION CONTROL
<p>1. NOTIFY SD1 AT LEAST 72 HOURS BEFORE COMMENCING WORK AT THE SITE AT 859-578-8892</p> <p>2. ALL APPLICABLE RECOMMENDATIONS IN NORTHERN KENTUCKY SANITATION DISTRICT No. 1'S STORMWATER, SEDIMENT AND EROSION CONTROL REGULATIONS SHALL BE FOLLOWED. BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THE PLANS MAY NEED TO BE REVISED AS NECESSARY TO PROPERLY CONTROL EROSION ON THE SITE. THE CONTRACTOR SHALL PROVIDE ADDITIONAL BMP'S AS NECESSARY AND AS DIRECTED. CONTRACTOR IS RESPONSIBLE FOR PROPER MAINTENANCE OF ALL EROSION CONTROL MEASURES DURING CONSTRUCTION.</p> <p>3. SITE STABILIZATION SHALL BEGIN WITHIN 14 DAYS ON AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY (21 DAYS OR MORE) CEASED</p> <p>4. BMP'S WILL BE CHECKED EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A 0.5 INCH RAIN EVENT</p> <p>5. THE CONTRACTOR SHALL CONTROL COMPLETES, GARBAGE, DEBRIS, WASTEWATER, AND OTHER SUBSTANCES ON THE SITE IN SUCH A WAY THAT THEY SHALL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF WINDS, STORMS WATER RUNOFF, OR OTHER FORCES. PROPER DISPOSAL OR MANAGEMENT OF ALL WASTES AND UNUSED BUILDING MATERIAL, APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL, IS REQUIRED. COMPLIANCE IS REQUIRED WITH ALL STATE OR LOCAL REGULATIONS REGARDING WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEMS.</p> <p>6. REMOVE ONLY THOSE TREES REQUIRED FOR ACTUAL CONSTRUCTION. WHEN CONSTRUCTION IS ADJACENT TO STREAMS, MAINTAIN BANK COVER BY DEPOSITING EXCAVATED MATERIALS ON THE SIDE OF THE TRENCH AWAY FROM THE STREAM. MAINTAIN A VEGETATION COVER BETWEEN TRENCH AND TOP OF BANK WHEREVER POSSIBLE.</p> <p>7. IMMEDIATELY FOLLOWING TRENCH BACKFILL, ROUGH GRADE ALL DISTURBED AREAS AND PERMANENTLY STABILIZE EACH DISTURBED AREA WITH PERENNIAL VEGETATION INSTALLED ACCORDING TO THE LANDSCAPING SECTION OF THE SPECIFICATIONS. IF FINAL GRADING AND SEEDING WILL NOT OCCUR WITHIN 15 DAYS, ALL DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AND/OR MULCHED IMMEDIATELY.</p> <p>8. FINAL GRADING SHALL BE CONSISTENT WITH PRE-CONSTRUCTION TOPOGRAPHY EXCEPT WHERE SPECIFICALLY NOTED ON CONSTRUCTION DRAWINGS. FINAL GRADING SHALL BE COMPLETED IN ANY GIVEN AREA AS SOON AS IT IS NO LONGER NEEDED FOR TRAFFICKING OF EQUIPMENT AND MATERIALS. FINAL RESTORATION SHALL IMMEDIATELY FOLLOW FINAL GRADING.</p> <p>9. ALL EXCESS SPOIL MATERIAL IS TO BE REMOVED FROM STREAM CORRIDORS PROMPTLY AND DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER. IF SUCH MATERIAL IS WASTED ON SITE, IT SHALL BE PLACED OUTSIDE STREAM CORRIDORS AND SHALL BE SEEDED IMMEDIATELY. WASTE OR DISPOSAL AREAS AND CONSTRUCTION ROADS SHALL BE LOCATED AND CONSTRUCTED IN A MANNER THAT SHALL KEEP SEDIMENT FROM ENTERING THE STREAM.</p> <p>10. WHEN WORKING ADJACENT TO A WATERWAY, THE CONTRACTOR SHALL MAINTAIN A BUFFER ZONE OF VEGETATION BETWEEN THE WORK AREA AND THE WATERWAY. IF A BUFFER ZONE OF VEGETATION CANNOT PREVENT SILTATION OF THE WATERWAY, SILT BARRIERS SHALL BE INSTALLED BY THE CONTRACTOR IN THESE AREAS TO PREVENT SEDIMENT-LADEN RUNOFF FROM ENTERING THE WATERWAY.</p> <p>11. ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED. EROSION AND SEDIMENT CONTROL PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.</p> <p>12. IF WORK IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE EROSION AND SEDIMENTATION CONTROLS DURING THE SUSPENSION AT NO ADDITIONAL COST TO THE OWNER.</p>
MAINTENANCE OF TRAFFIC NOTES
<p>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, BARRIERS OR OTHER NECESSARY DEVICES MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.</p> <p>2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT.</p> <p>3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF TAYLOR MILL AND THE TAYLOR MILL POLICE DEPARTMENT. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS.</p> <p>4. RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.</p> <p>5. EACH DRIVEWAY SHALL BE ACCESSIBLE WHENEVER POSSIBLE. WHEN PORTLAND CEMENT CONCRETE CONSTRUCTION AFFECTS A DRIVEWAY, THE CONTRACTOR SHALL NOTIFY THE AFFECTED OWNERS 24 HOURS IN ADVANCE AND ADVISE THEM TO FIND ALTERNATIVE PARKING FOR A PERIOD OF AT LEAST 10 CALENDAR DAYS AFTER THE POUR. ALTERNATIVE PARKING SHALL INCLUDE "ON STREET" PARKING WITH ACCESS TO THE PROPERTY. TEMPORARY SIDEWALKS, ETC. WILL BE NECESSARY TO PREVENT PERSONS FROM WALKING IN MUD IN ORDER TO ENTER THEIR PROPERTY. TEMPORARY BRIDGES, RAILINGS ETC. WILL BECOME NECESSARY IN ORDER TO CROSS FORMED CURB LINES, EXCAVATED AREAS BEHIND CURB LINES AND WALKWAYS, ETC.</p>
PROTECTION OF TREES
<p>1. THE CONTRACTOR SHALL AVOID ANY UNNECESSARY DAMAGES TO TREES. CLEAR-CUTTING IS NOT PERMITTED WITHIN TEMPORARY CONSTRUCTION LIMIT OR EASEMENT AREAS WITHOUT THE PRIOR APPROVAL OF THE OWNER AND ENGINEER. THIS INCLUDES WORK AND STAGING AREAS OBTAINED BY THE CONTRACTOR BY MEANS OF PRIVATE AGREEMENT WITH PROPERTY OWNERS. TREE BRANCHES WHICH OVERHANG THE CONSTRUCTION LIMITS AND WHICH INTERFERE WITH THE OPERATION OF EQUIPMENT SHALL BE TIED BACK TO AVOID DAMAGE. WHERE INJURY TO BRANCHES IS UNAVOIDABLE, THE BRANCHES SHALL BE SAWED OFF NEATLY AT THE TRUNK MAIN BRANCH AND THE CUT AREA SHALL BE PAINTED WITH APPROVED TREE PAINT IMMEDIATELY. ANY TREE DAMAGED BEYOND SAVING SHALL BE REMOVED BY THE CONTRACTOR AT HIS OWN EXPENSE. IN THE CASE OF TREES LOCATED OUTSIDE THE CONSTRUCTION LIMIT AREA, RESTITUTION ACCEPTABLE TO THE PROPERTY OWNER SHALL BE PROVIDED BY THE CONTRACTOR.</p>
HATCH LEGEND
<p>8" PROPOSED PAVEMENT REPLACEMENT WITH GRANULAR BASE - SEE TYPICAL SECTIONS</p> <p>6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET</p> <p>4" CONCRETE WALK REPLACEMENT - SEE DETAIL SHEET</p> <p>ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET</p>

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

ELECTRIC NOTES
<p>1. ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY</p>

WATER NOTES
<p>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).</p> <p>2. CONTRACTOR MAY NOT USE WATER FROM FIRE HYDRANTS WITHOUT PRIOR PERMISSION FROM NKWD</p>
GAS NOTES
<p>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</p>

EROSION CONTROL LEGEND	
	INLET PROTECTION (SEE DETAIL)
	ROCK CHECK DAM
	SILT FENCE

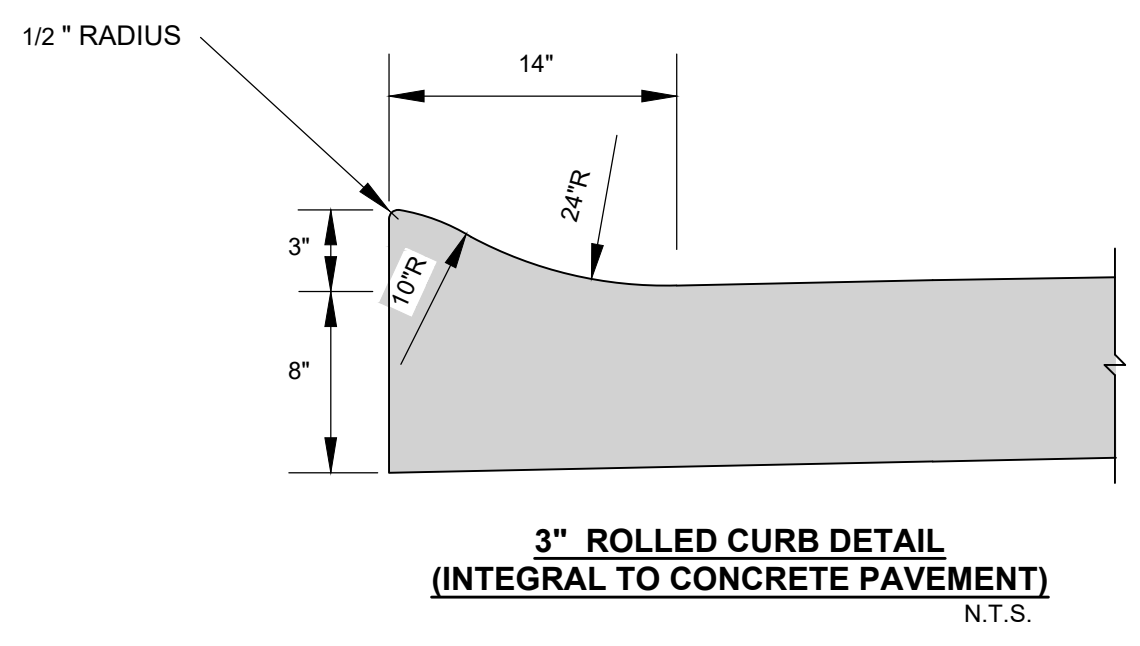
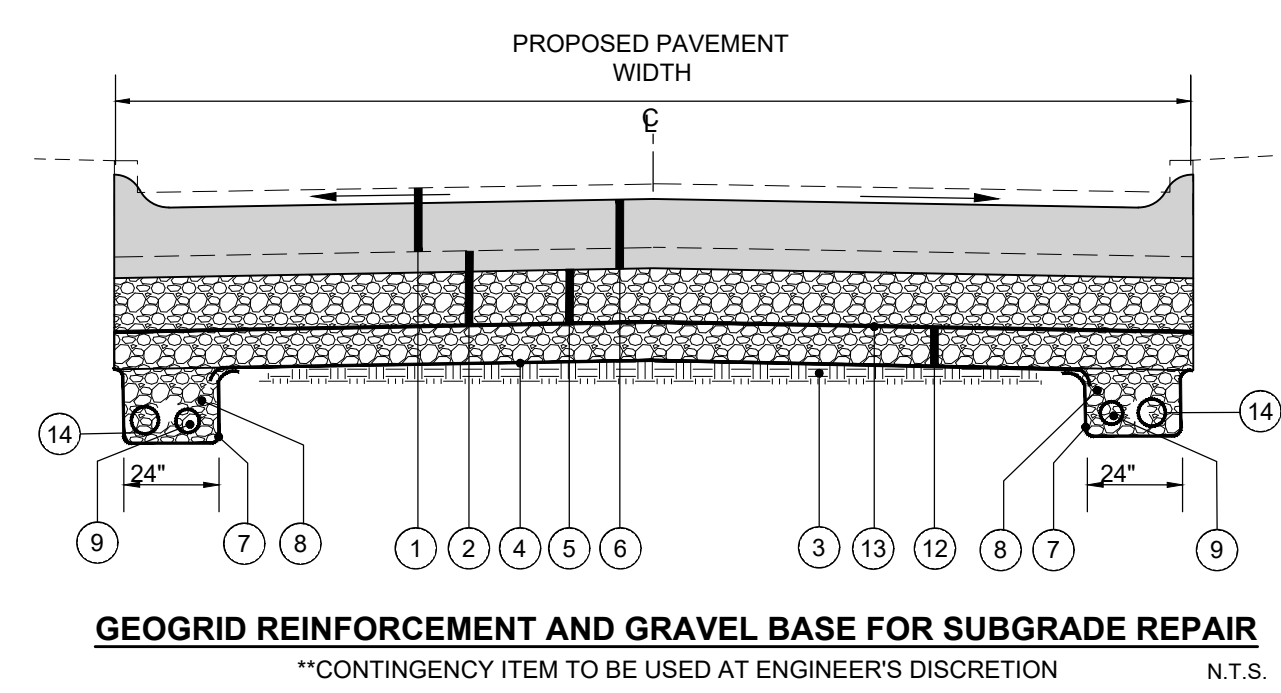
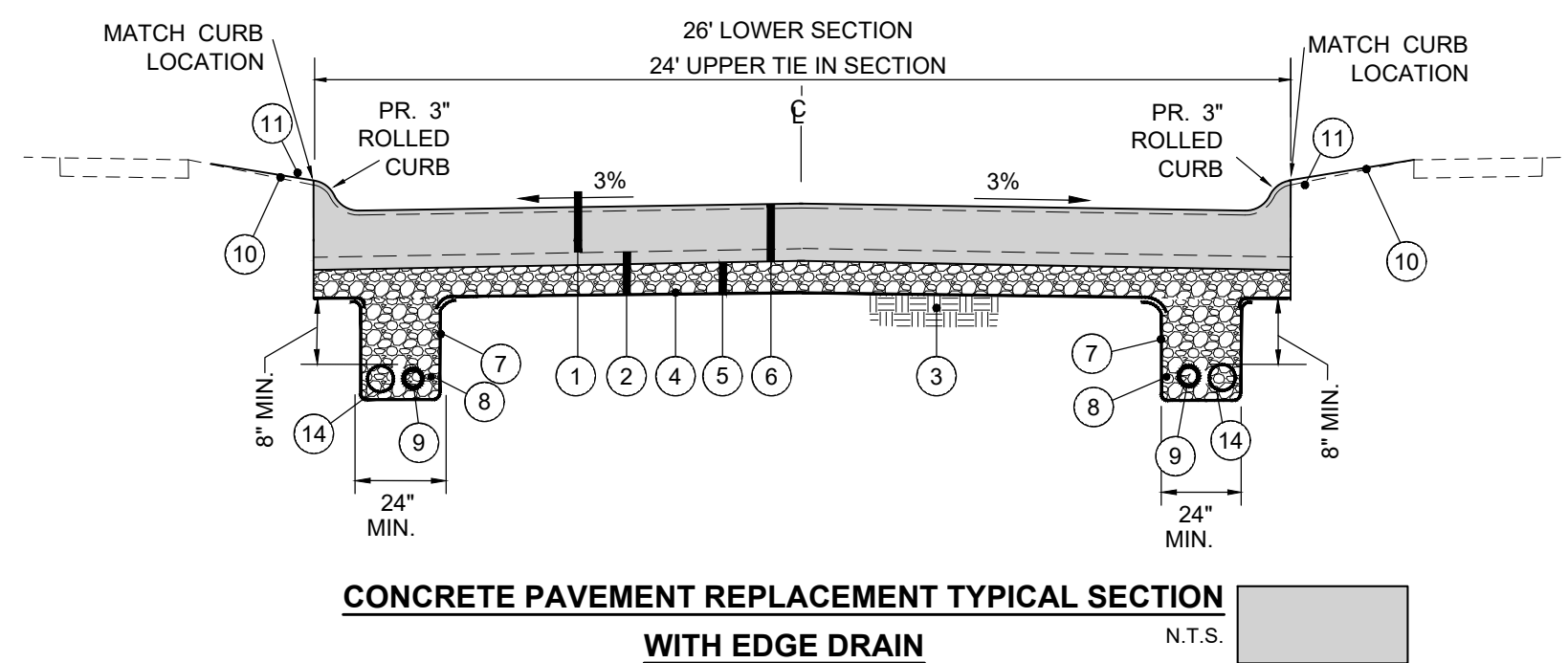
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ISSUED FOR:		BIDDING:		NO.	
ISSUE DATE:	06/14/2025	ISSUE DATE:	06/14/2025	NO.	
SCALE:	AS NOTED	SCALE:	AS NOTED	NO.	
DESIGNED BY:	DGAR	DESIGNED BY:	DGAR	NO.	
DRAWN BY:	JSHU	DRAWN BY:	JSHU	NO.	
CHECKED BY:		CHECKED BY:		NO.	

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
NOTES AND LEGEND SHEET**

PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	N&L
SHEET	2
OF	21

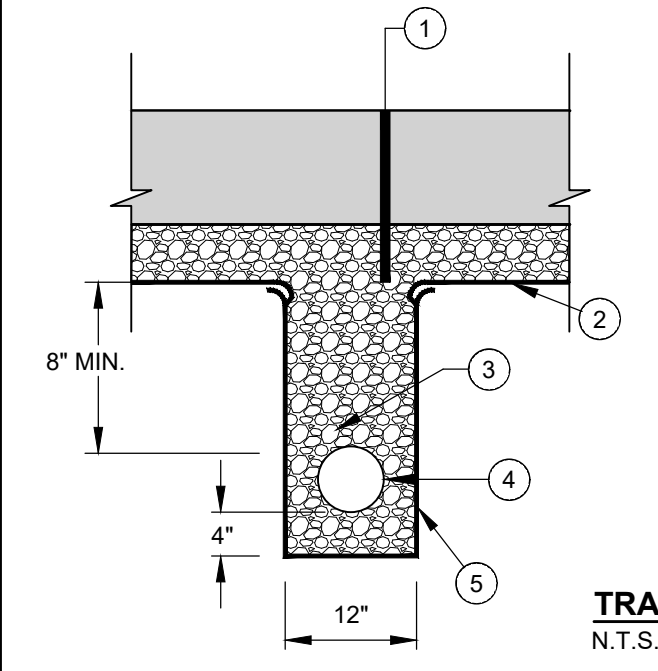
NOTE: PAY ITEMS AND QUANTITIES ARE ESTIMATES ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR. ADDITIONAL PAY ITEMS MAY BE REQUIRED TO COMPLETE THE WORK.



- 1 ITEM 203 - REMOVE EXISTING PAVEMENT.
- 2 ITEM 204 - EXCAVATION FOR GRANULAR BASE
- 3 ITEM 207 - * SUBGRADE RESHAPING & COMPACTING. SUBGRADE SHALL BE TRIMMED AND ROLLED SMOOTH FOR DRAINAGE SO GEOTEXTILE CAN BE SPREAD SMOOTH, TAUT AND EVEN BEFORE STONE IS PLACED.
- 4 ITEM 214 - WOVEN GEOTEXTILE, MIRAFI 600X OR EQUIVALENT, ALL OVERLAPS TO BE 18\"/>
- 5 ITEM 302 - 4\"/>
- 6 ITEM SPL - 8\"/>
- 7 ITEM SPL - NONWOVEN GEOTEXTILE, MIRAFI 140N OR EQUIVALENT (INCIDENTAL TO PIPE UNDERDRAIN OR EDGE DRAIN)
- 8 ITEM 302 - CLEAN NO. 57 CRUSHED STONE (LESS THAN 3% FINES) (INCIDENTAL TO PIPE UNDERDRAIN OR EDGE DRAIN)
- 9 ITEM 704 - 4\"/>
- 10 ITEM SPL - YARD RESTORATION (4\"/>
- 11 ITEM 204 - EXCAVATION TO FINISHED GRADE. INCLUDED IN COST FOR ITEM 204 - EXCAVATION FOR GRANULAR BASE
- 12 ITEM 302/SPL ** - VARIABLE THICKNESS (4\"/>
- 13 ITEM 304/SPL ** - GEOGRID (TENSAR BX 1200 OR EQUIVALENT), PLACE ON TOP 6 INCHES OF CLEAN CRUSHED STONE BASE.
- 14 ITEM 704 - 6\"/>

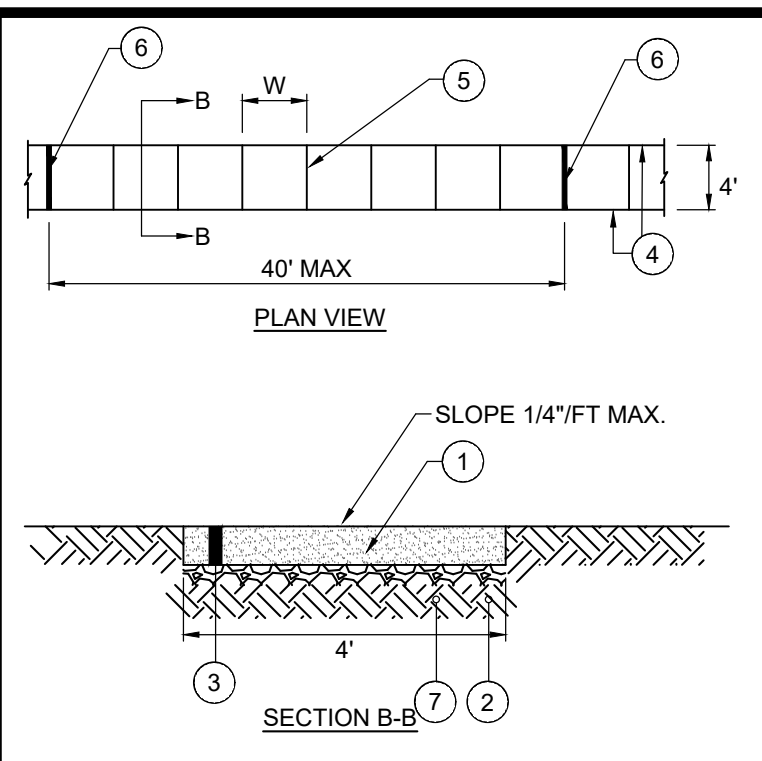
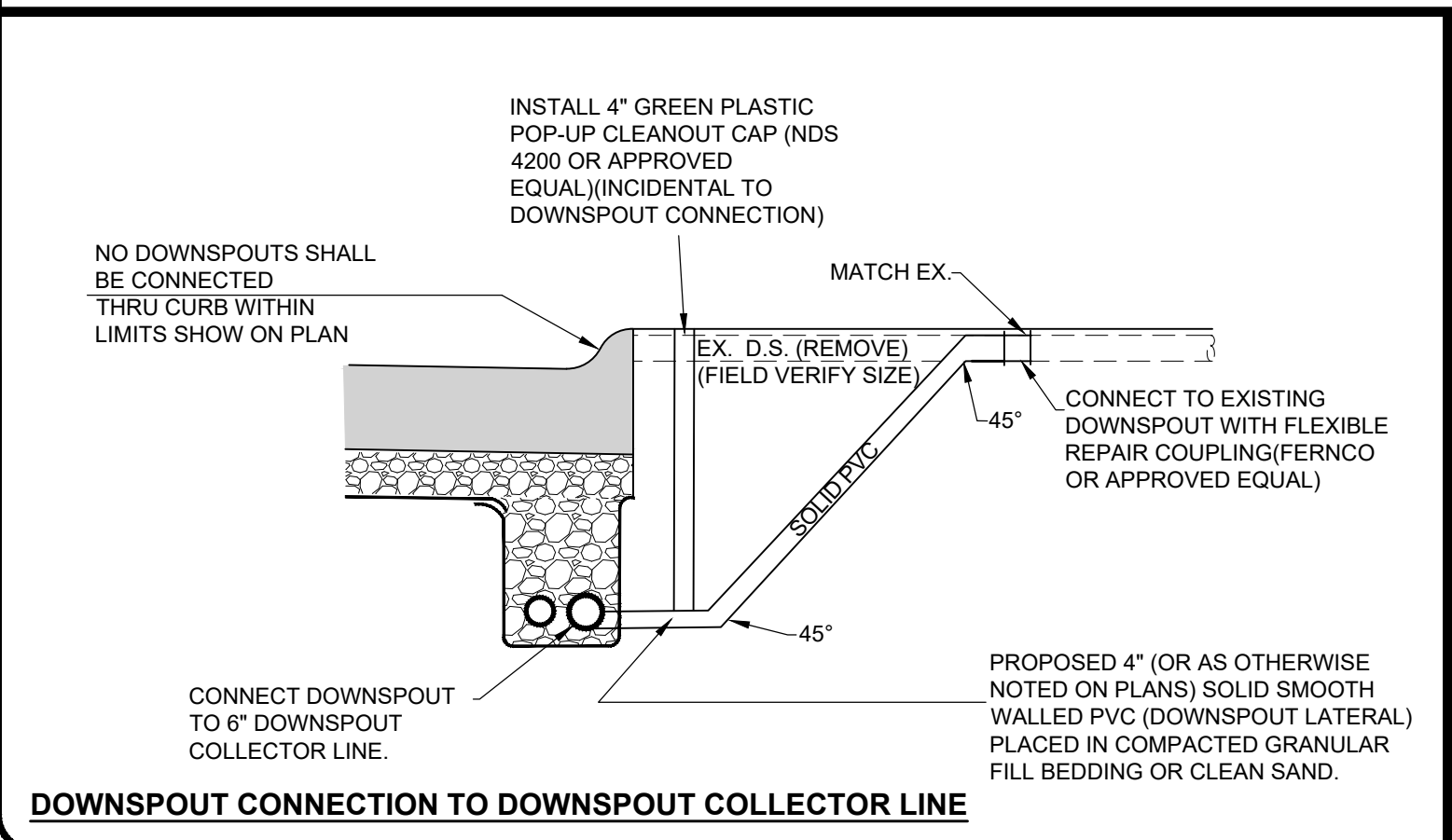
* SUBGRADE RESHAPING AND COMPACTING SHALL BE PER KTC ITEM 207. A PROOF ROLL WILL BE REQUIRED PRIOR TO PLACING STONE BASE OR CONCRETE PAVEMENT. SOFT OR YIELDING SUITABLE SUBGRADE MATERIAL LACKING PROPER COMPACTION OR MOISTURE CONTENT SHALL BE SCARIFIED, AERATED, DRIED AND RECOMPACTED. THE COST FOR THE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

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



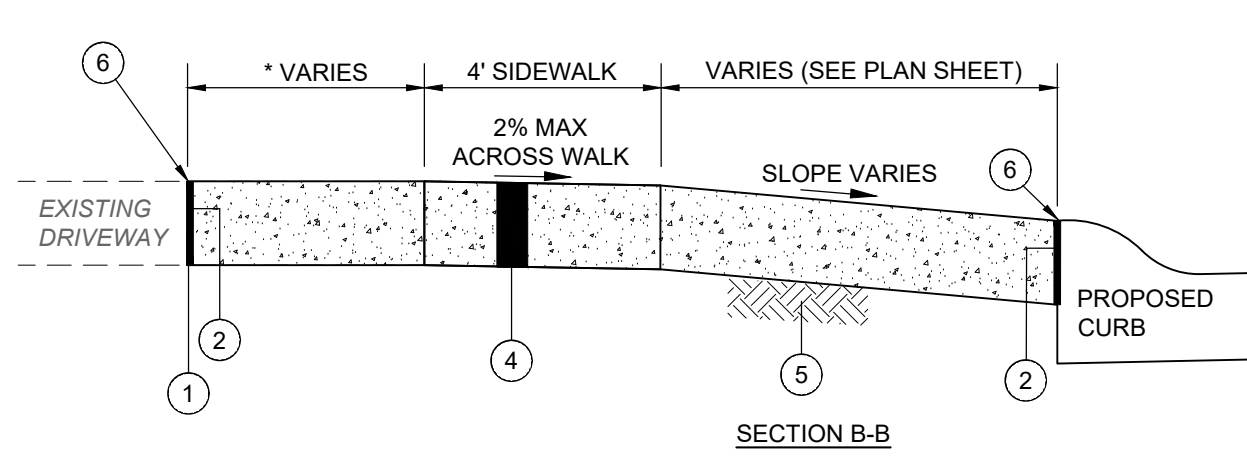
- 1 PROPOSED PAVEMENT. SEE TYPICAL SECTION
 - 2 ITEM 304 - WOVEN GEOTEXTILE, MIRAFI 600X OR EQUIVALENT
 - 3 ITEM 302 - CLEAN NO. 57 CRUSHED STONE (LESS THAN 3% FINES)
 - 4 4\"/>
 - 5 ITEM 304 - MIRAFI 140N OR EQUIVALENT NON WOVEN DRAINAGE GEOTEXTILE
- NOTE: ALL COST FOR CONSTRUCTING THE UNDERDRAIN PER DETAIL SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 704 - 4\"/>

TRANSVERSE UNDERDRAIN DETAIL
N.T.S.



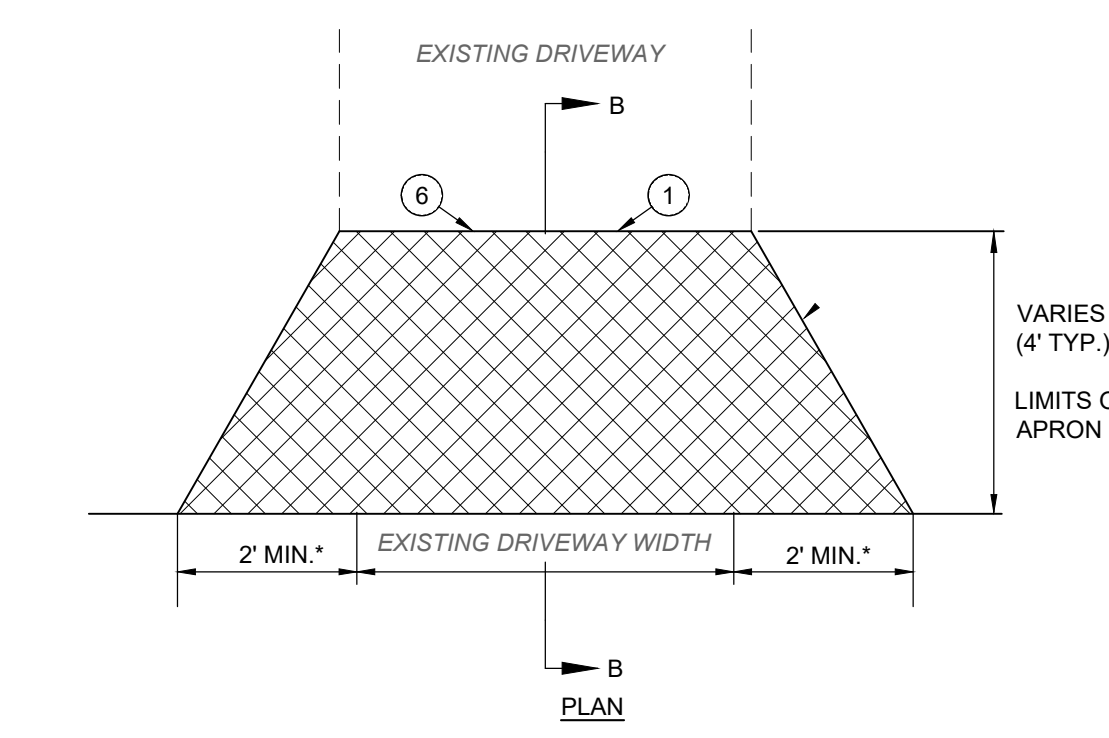
- 1 SAWCUT AND REMOVE EXISTING SIDEWALK
- 2 ITEM 207 - COMPACTED SUBGRADE (INCIDENTAL TO CONCRETE SIDEWALK)
- 3 ITEM SPL - 4\"/>
- 4 TOOLED EDGE
- 5 TOOLED CONTRACTION JOINT
- 6 3\"/>
- 7 ITEM 304 4\"/>

CONCRETE SIDEWALK REPLACEMENT DETAIL
N.T.S.



- 1 SAWCUT AT NEAREST JOINT AND REMOVE EXISTING CONCRETE PAVEMENT (INCIDENTAL TO ITEM SPL)
- 2 1\"/>
- 3 TOOLED JOINT
- 4 ITEM SPL - 6\"/>
- 5 ITEM 207 - COMPACTED SUBGRADE (INCIDENTAL TO ITEM SPL - 6\"/>
- 6 SEAL JOINT WITH GRAY SELF LEVELING SEALANT (SIKA FLEX OR APPROVED EQUAL) INCIDENTAL TO CONCRETE DRIVEWAY

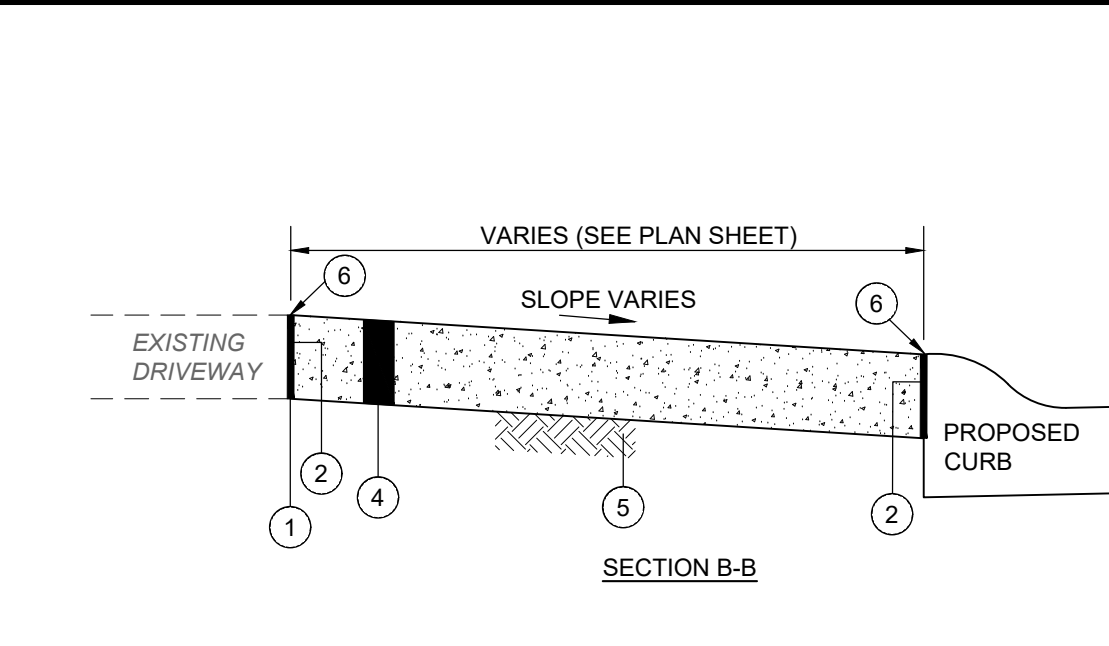
CONCRETE DRIVEWAY REPLACEMENT (THROUGH SIDEWALK)
N.T.S.



- NOTE:
- 1. ANY YARD AREA DISTURBED BY THE CONSTRUCTION OF THE DRIVEWAY APRON SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH (INCIDENTAL TO ASPHALT DRIVEWAY APRON REPLACEMENT).
 - 2. ALL EXCAVATION REQUIRED FOR THE PLACEMENT OF THE PROPOSED DRIVEWAY SHALL BE INCIDENTAL TO ASPHALT DRIVEWAY REPLACEMENT BID ITEM.
- * EXCEPT TO AVOID MAILBOX OR POLE.

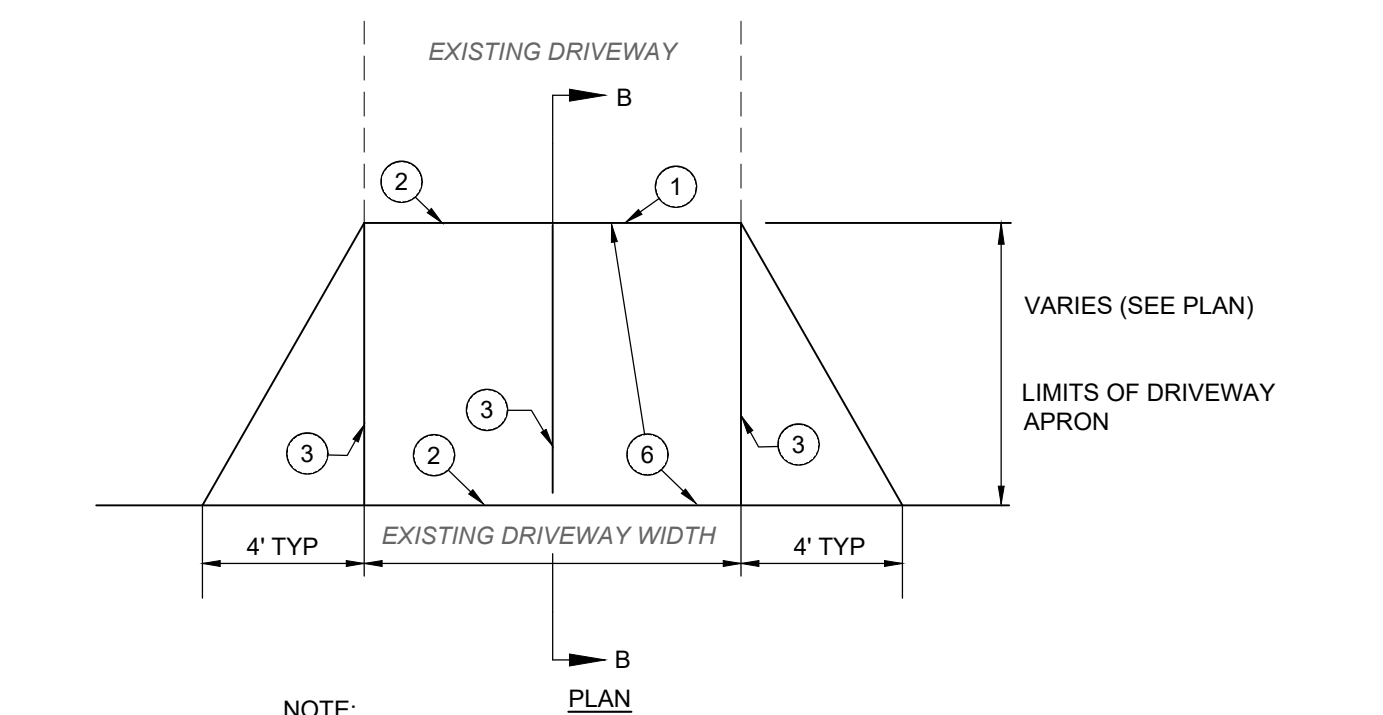
- 1 SAWCUT AND REMOVE EXISTING DRIVEWAY (COST SHALL BE INCIDENTAL TO THE ASPHALT DRIVEWAY REPLACEMENT)
- 2 ITEM 207 - SUBGRADE RESHAPING AND COMPACTING (INCIDENTAL TO ASPHALT DRIVEWAY REPLACEMENT)
- 3 ITEM 402 / 403 - 6\"/>
- 4 ITEM 402 / 403 - 1.5\"/>
- 5 REPLACE CONCRETE CURB WHERE IT CURRENTLY EXISTS (SEE PLANS). MATCH EXISTING. INCIDENTAL TO DRIVEWAY REPLACEMENT.
- 6 SEAL JOINT WIDTH HOT POURED JOINT SEALANT (INCIDENTAL TO ASPHALT DRIVEWAY REPLACEMENT)

ASPHALT DRIVEWAY REPLACEMENT (NO SIDEWALK)
N.T.S.



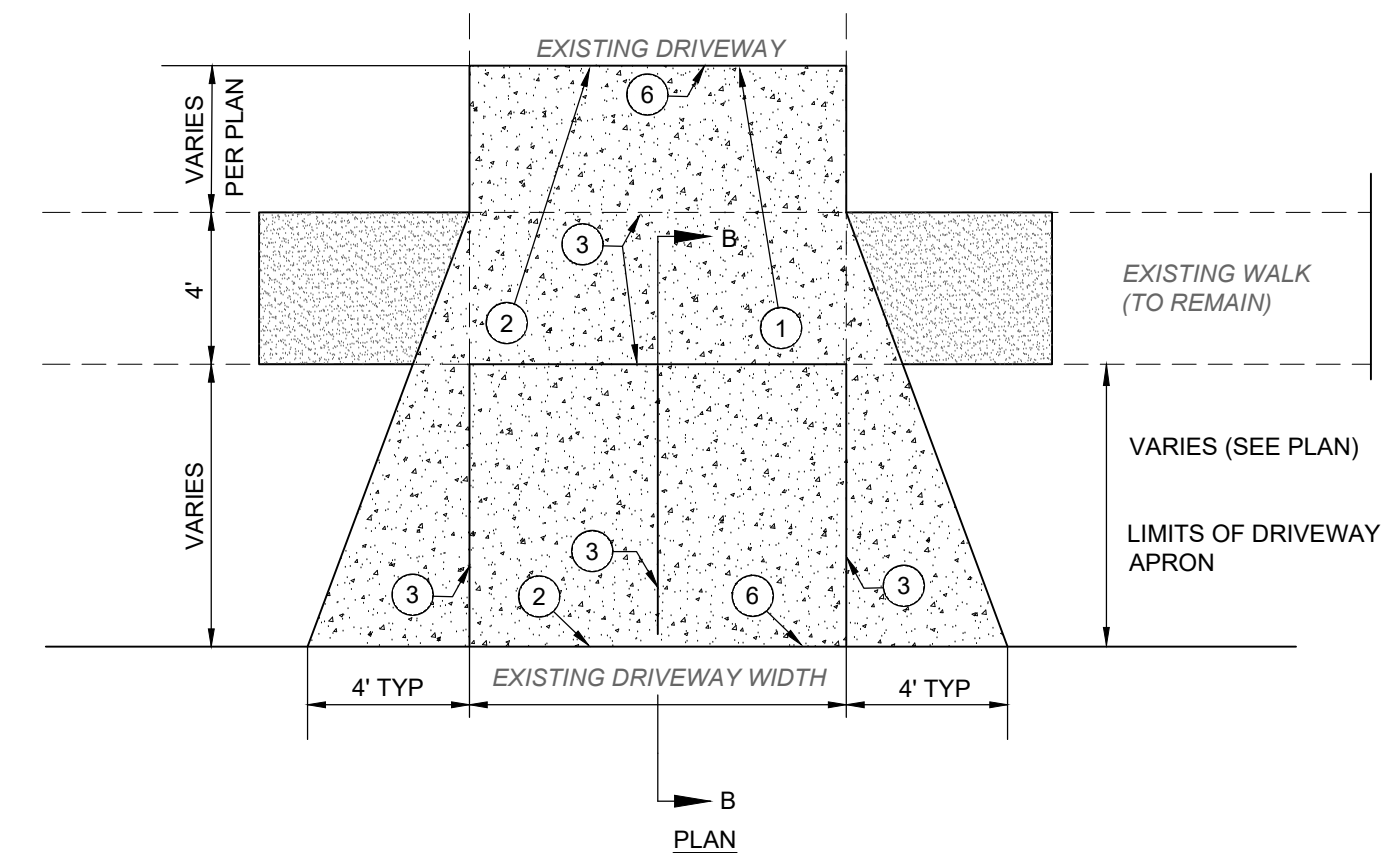
- 1 SAWCUT AT NEAREST JOINT AND REMOVE EXISTING CONCRETE PAVEMENT (INCIDENTAL TO ITEM SPL)
- 2 1\"/>
- 3 TOOLED EDGE
- 4 ITEM SPL - 6\"/>
- 5 ITEM 207 - COMPACTED SUBGRADE (INCIDENTAL TO ITEM SPL - 6\"/>
- 6 SEAL JOINT WITH GRAY SELF LEVELING SEALANT (SIKA FLEX OR APPROVED EQUAL)

CONCRETE DRIVEWAY REPLACEMENT (NO SIDEWALK)
N.T.S.



- NOTE:
- 1. ANY YARD AREA DISTURBED BY THE CONSTRUCTION OF THE DRIVEWAY APRON SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH (INCIDENTAL TO CONCRETE DRIVEWAY APRON REPLACEMENT).
 - 2. ALL EXCAVATION REQUIRED FOR THE PLACEMENT OF THE PROPOSED DRIVEWAY SHALL BE INCIDENTAL TO CONCRETE DRIVEWAY REPLACEMENT BID ITEM.

CONCRETE DRIVEWAY REPLACEMENT (NO SIDEWALK)
N.T.S.



- NOTE:
- 1. ANY YARD AREA DISTURBED BY THE CONSTRUCTION OF THE DRIVEWAY APRON SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH (INCIDENTAL TO CONCRETE DRIVEWAY APRON REPLACEMENT).
 - 2. ALL EXCAVATION REQUIRED FOR THE PLACEMENT OF THE PROPOSED DRIVEWAY SHALL BE INCIDENTAL TO CONCRETE DRIVEWAY REPLACEMENT BID ITEM.

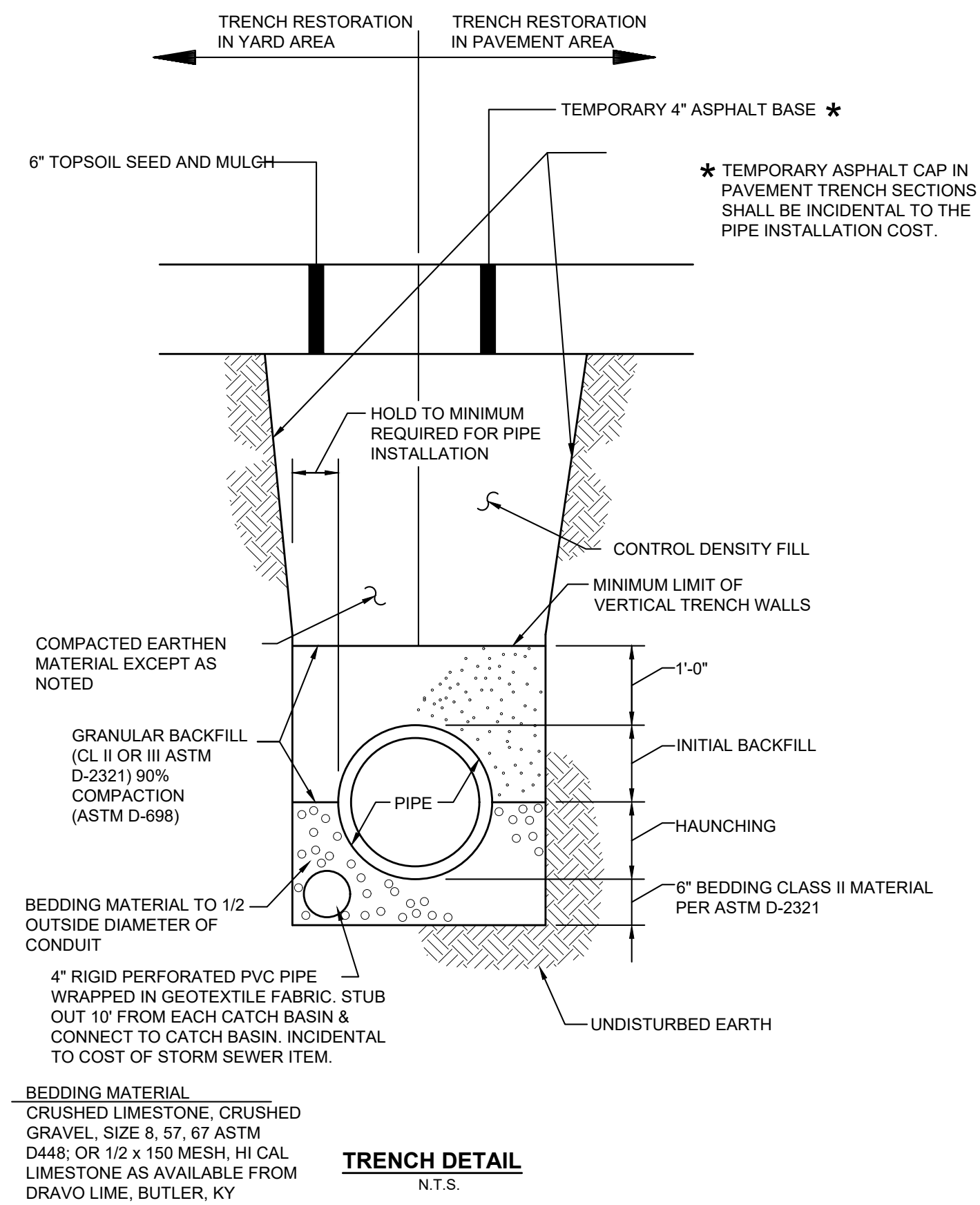


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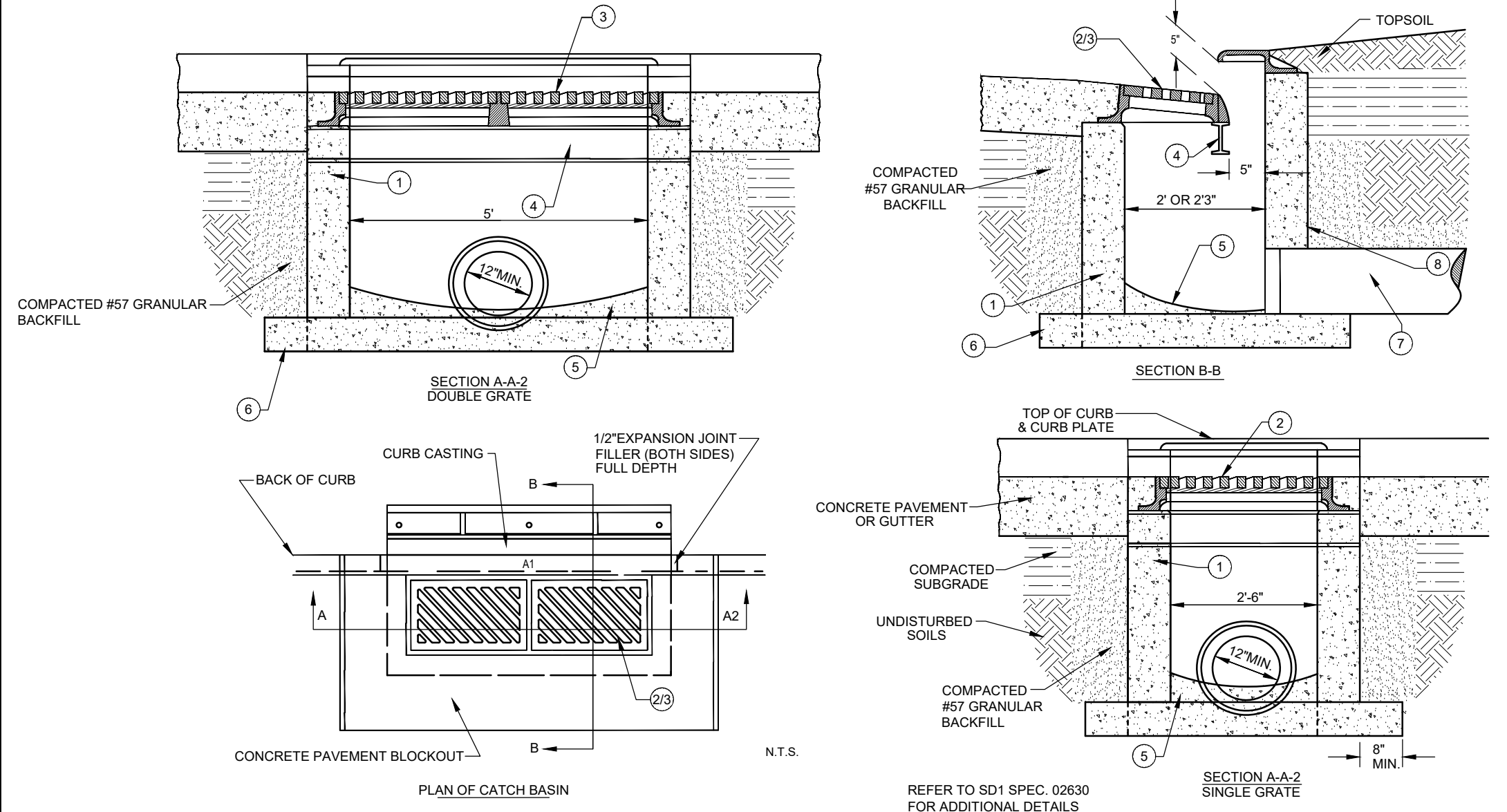
DATE	REVISION	NO	BIDDING	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			05/14/2025	AS NOTED	05/14/2025		DGAR	DGAR	JSHU

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
DETAIL SHEET 1**

PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	DET1
SHEET	3
OF	21



TRENCH DETAIL
N.T.S.



STANDARD DOUBLE CURB INLET

- 1 CONCRETE BRICK OR SLAB BLOCK MAY BE USED IN PLACE OF PRECAST OR CAST IN PLACE CONCRETE. BLOCK OR BRICK SIDEWALLS SHALL BE 8" NOMINAL THICKNESS W/ HORIZONTAL REINFORCEMENT EVERY 16 INCHES. PARGE WITH 1/2" MORTAR, INSIDE AND OUT.
- 2 SINGLE INLET: FRAME, GRATE AND CURB PLATE - NEENAH R-3289-HV OR APPROVED EQUAL.
- 3 DOUBLE INLET: FRAME, GRATE AND CURB PLATE - NEENAH R-3288-HV2 OR APPROVED EQUAL.
- 4 5-6 X 12.5 X 6" STEEL BEAM (USE WITH SEPERATE OR BOLTED INLETS).
- 5 4" MIN. DEPTH 4000 PSI AE CONCRETE WITH SCRIBED INVERT.
- 6 6" MIN. DEPTH 4000 PSI AE CONCRETE EXTENDED MIN. 8" BEYOND EXTERIOR OF BOX.
- 7 12" MINIMUM DIAMETER PIPE.
- 8 SEAL ALL LIFTING HOLES AND JOINTS (INSIDE & OUT).

GRATING - THE DESIGN SHALL BE ESSENTIALLY THE SAME AND EQUALLY AS STRONG AS THE ONE SHOWN HEREON.
MINIMUM WEIGHT 120 POUNDS

CONCRETE - CAST-IN-PLACE. TO BE CLASS C. ALL PRECAST CONCRETE SHALL MEET THE REQUIREMENTS OF 708.13 WITH 6 ± 2% AIR VOID CONTENT IN THE HARDENED CONCRETE AND BE MARKED WITH THE CATCH BASIN NUMBER.

REINFORCING - No. 4 BARS 6" CENTER TO CENTER FOR STANDARD No. 2-3 USE 8 BARS.

OPENINGS - FOR PIPES SHALL BE O.D. ± 2" WHEN PREFABRICATED OR FIELD CUT.

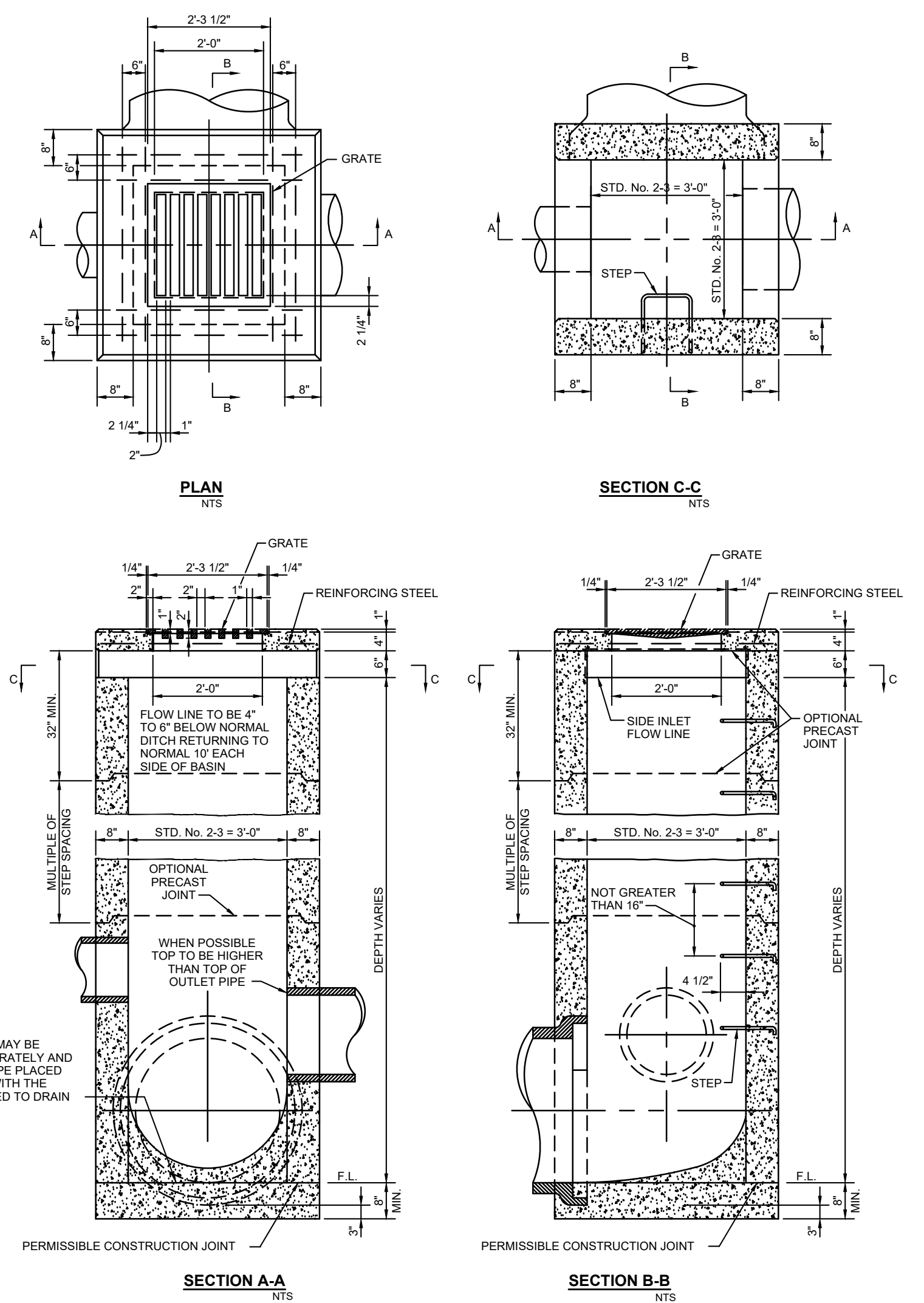
LOCATION - AND ELEVATION WHEN GIVEN ON THE PLANS IS TOP CENTER OF THE GRATE.

SIDE INLETS - SHALL BE PROVIDED ONLY WHEN SPECIFIED ON THE PLANS.

STEPS - SHALL BE PROVIDED WHERE THE DEPTH EXCEEDS 7" AND SHALL MEET THE REQUIREMENTS OF ODOT MH-3.

INLETS OVER 12" IN DEPTH - SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE, REINFORCED WITH No. 4 BARS ON 12" CENTERS BOTH VERTICALLY AND HORIZONTALLY WITH 2" CLEARANCE FROM INSIDE WALL FACE.

BOTTOM SLAB MAY BE PRECAST SEPARATELY AND THE OUTLET PIPE PLACED ON TOP OF IT WITH THE BOTTOM SHAPED TO DRAIN



CB-24

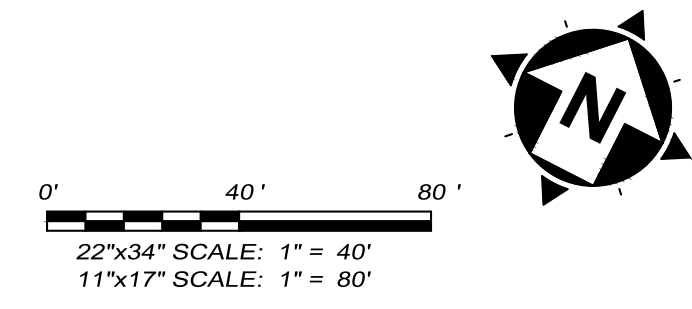
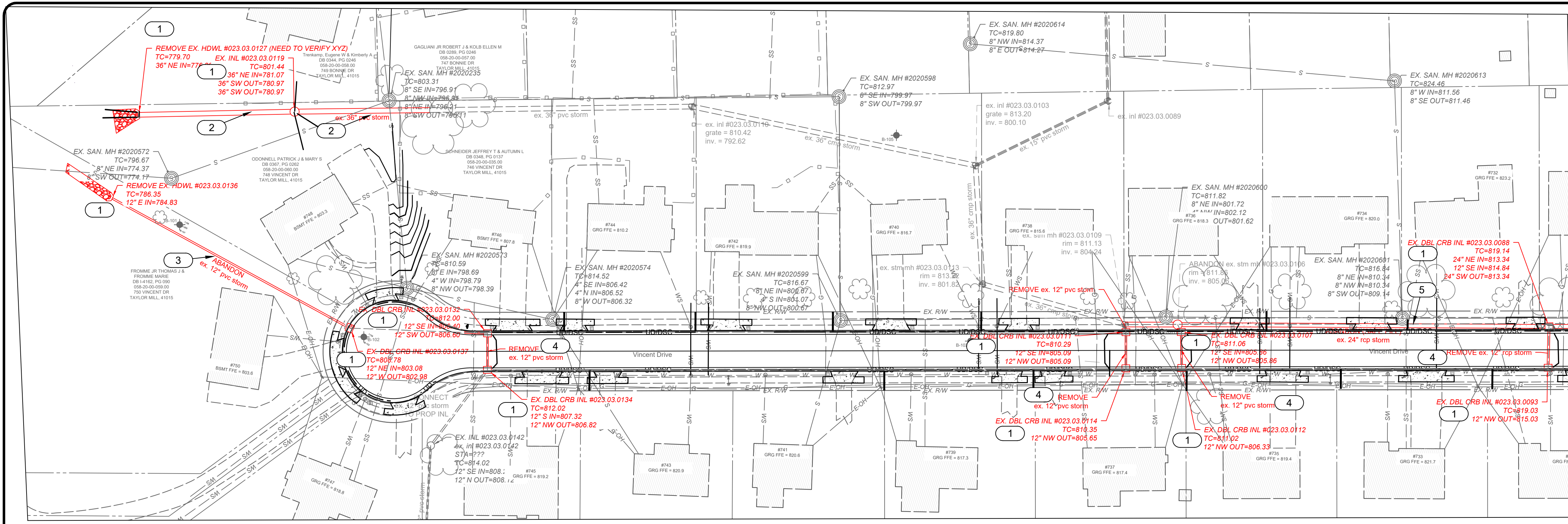


2161 CHAMBER CENTER DRIVE
FORT MITCHELL, KENTUCKY 41017
TEL: (859) 525-0544
WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE: 05/14/2025	AS NOTED			
SCALE:	DESIGNED BY: DGAR			
	DRAWN BY: DGAR			
	CHECKED BY: JSJU			

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
DETAIL SHEET 3**

PROJECT NO:	34158
DISCIPLINE	CIVIL
SHEET NAME	DET2
SHEET	5
OF	21



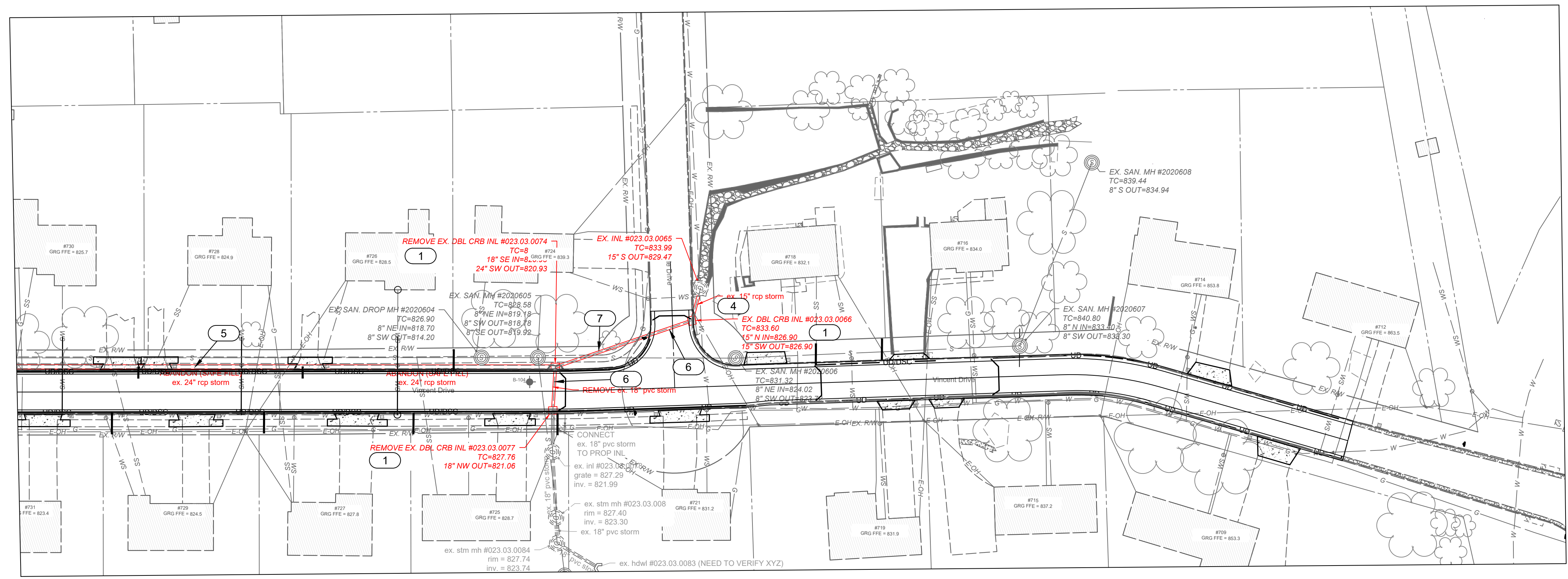
verdantas
 2161 CHAMBER CENTER DRIVE
 FORT MITCHELL, KENTUCKY 41017
 TEL: (859) 925-0544
 WWW.VERDANTAS.COM

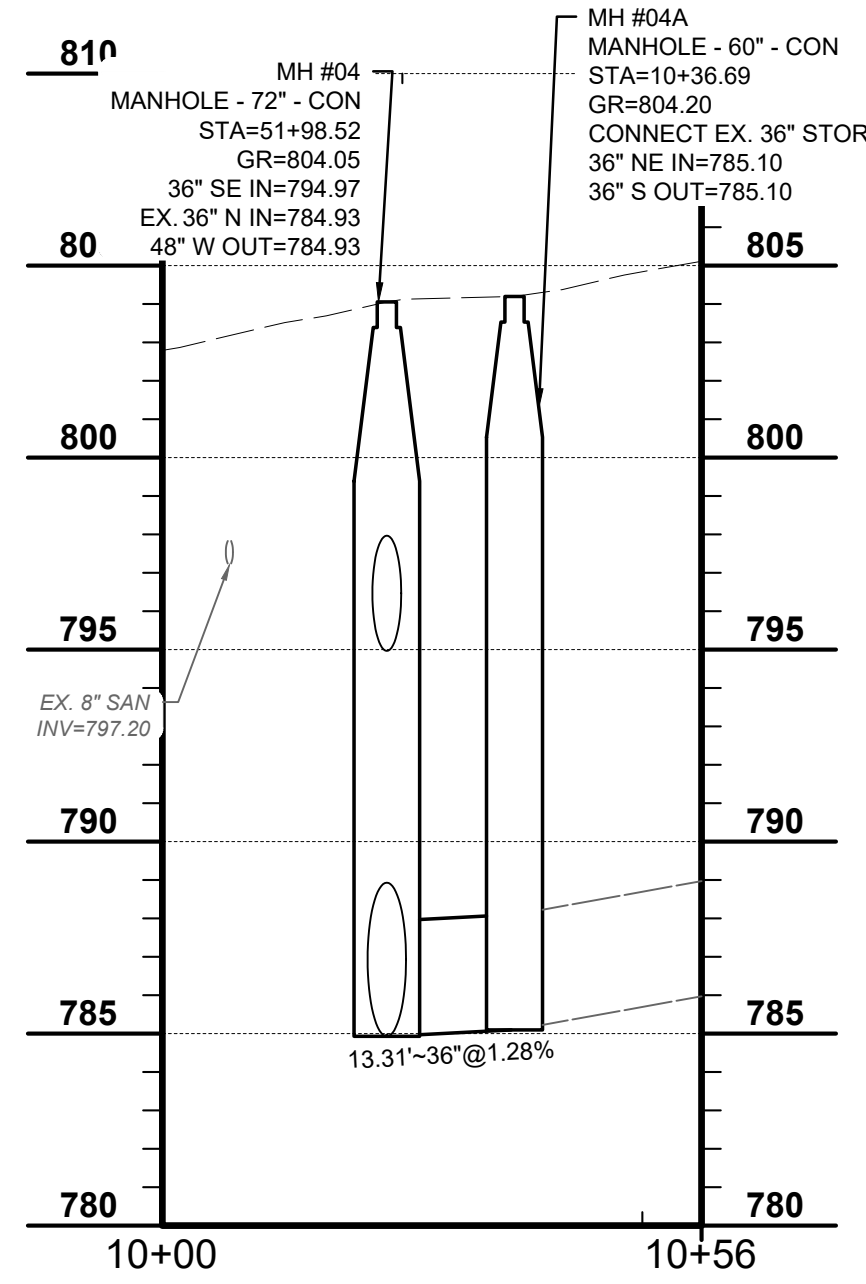
ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	05/14/2025			
SCALE:	AS NOTED			
DESIGNED BY:	DGAR			
DRAWN BY:	DGAR			
CHECKED BY:	JSHU			

**VINCENT DRIVE
 DRAINAGE AND ROADWAY
 IMPROVEMENTS
 - THE CITY OF TAYLOR MILL, KY -
 STORM SEWER DEMO SHEET**

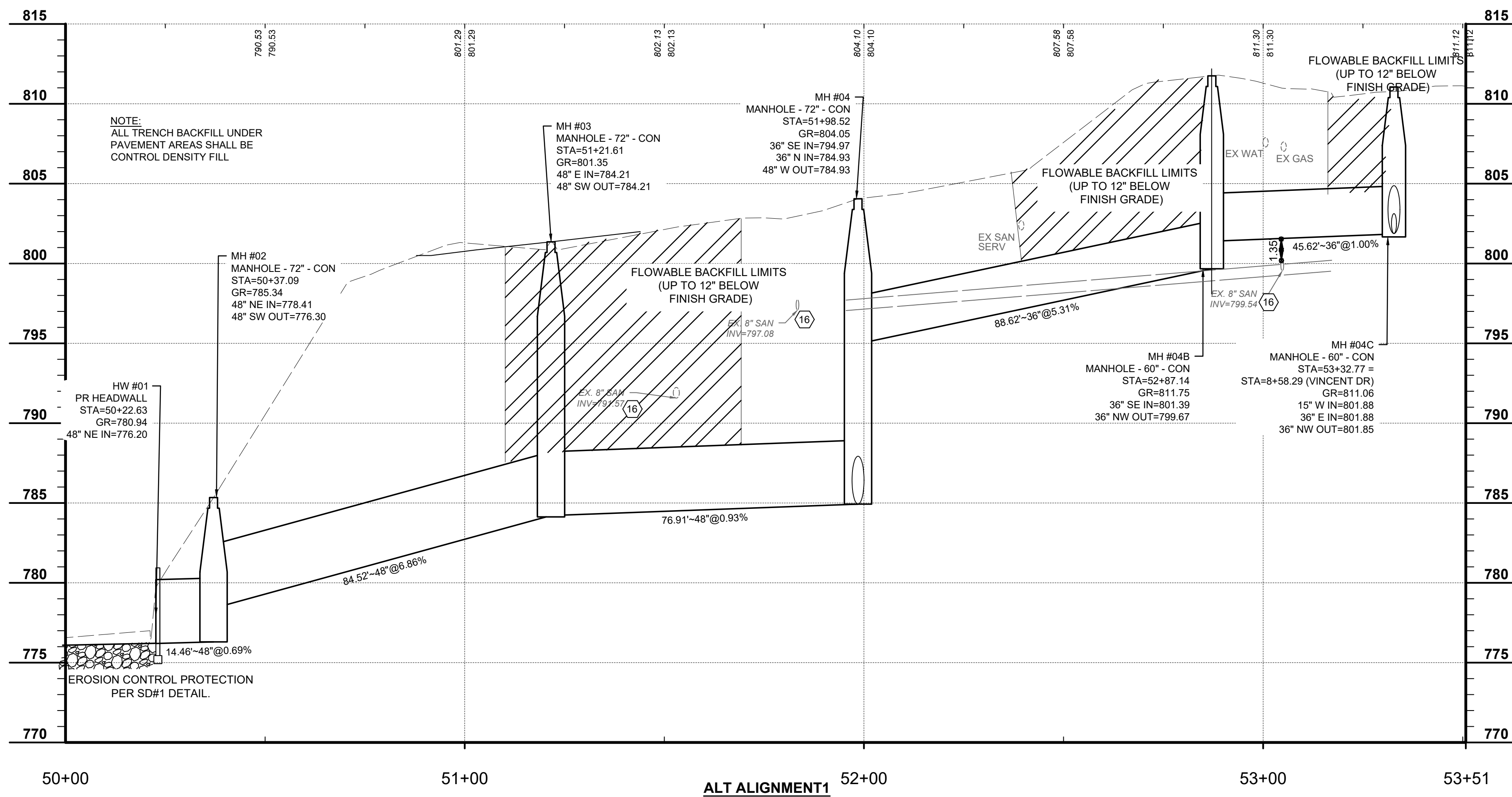
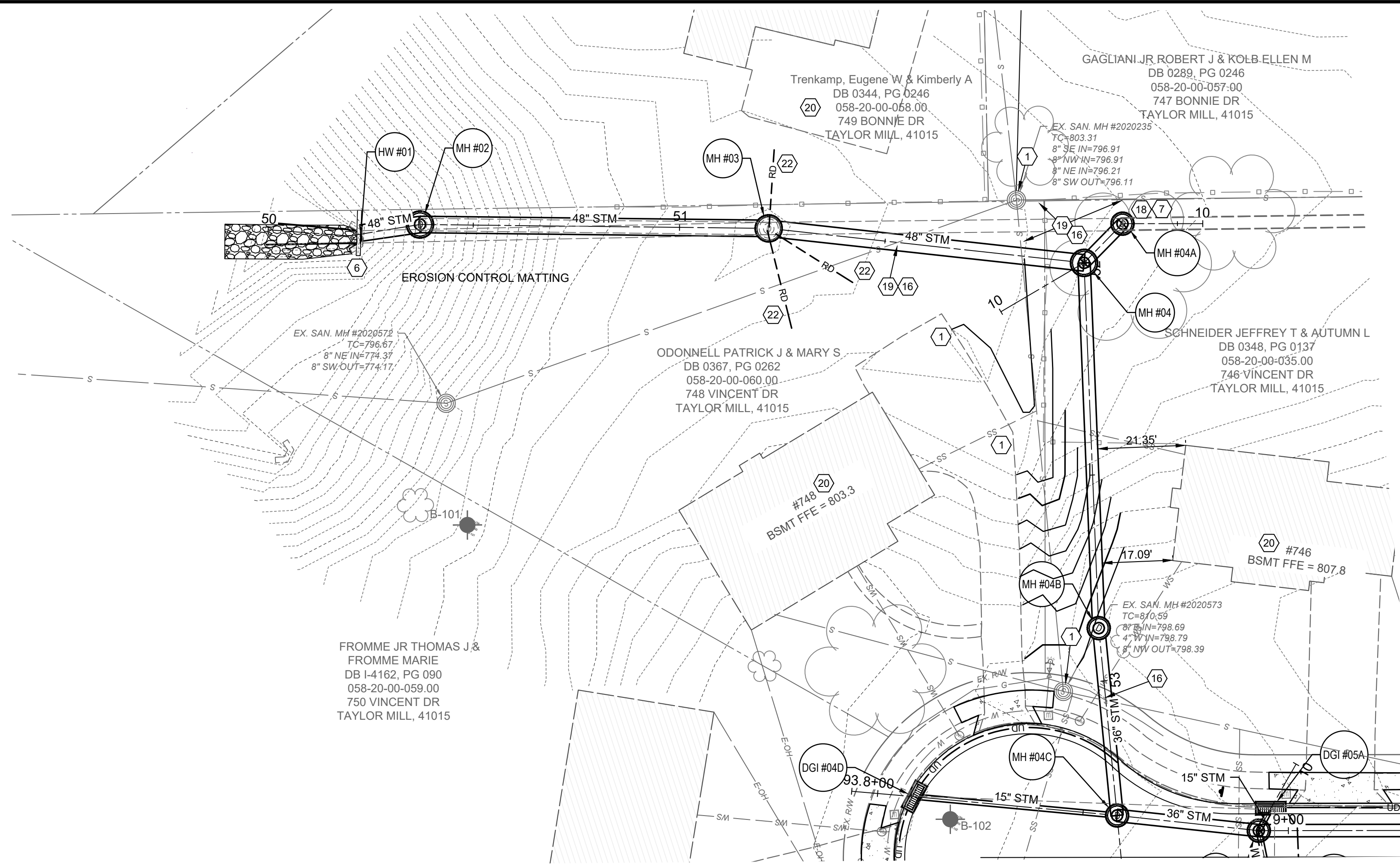
PROJECT NO:	34158
DISCIPLINE	CIVIL
SHEET NAME	DEMO
SHEET	6
OF	21

- DEMOLITION NOTES**
- 1 REMOVE EXISTING STORM SEWER STRUCTURE
 - 2 REMOVE EXISTING 36" STORM PIPE.
 - 3 ABANDON AND SAFE LOAD 12" STORM PIPE WITH FLOWABLE FILL PER SD1 SPECIFICATIONS.
 - 4 REMOVE EXISTING 12" STORM PIPE.
 - 5 ABANDON AND SAFE LOAD EXISTING 24" STORM PIPE WITH GROUT PER SD1 SPECIFICATIONS.
 - 6 REMOVE EXISTING 18" STORM PIPE
 - 7 ABANDON AND SAFE LOAD EXISTING 18" STORM PIPE IN YARD AREA. REMOVE EXISTING 18" STORM PIPE UNDER PAVEMENT OF BONNIE DRIVE

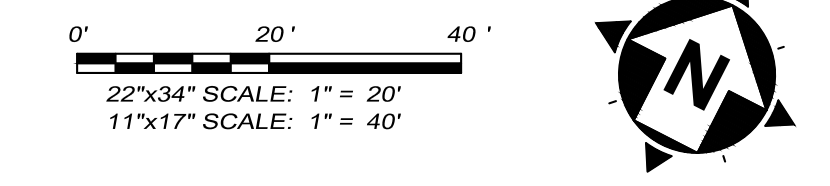




PR STM 04



ALT ALIGNMENT1



CONSTRUCTION NOTES

- 1 DO NOT DISTURB
- 2 REMOVE, SALVAGE, & REINSTALL/RELOCATE EXIST. SIGN OR MAILBOX (INCIDENTAL TO ITEM 202 - CLEARING AND GRUBBING).
- 3 INSTALL STANDARD DOUBLE GRATE CURB INLET PER DETAIL. CONNECT TO EXISTING PIPE OR PROPOSED PIPE AS SHOWN ON PLAN.
- 4 INSTALL DOUBLE GRATE INLET AND MOUNTABLE GRATE.
- 5 INSTALL STORM MANHOLE
- 6 INSTALL PROPOSED HEADWALL FOR 48" DIAMETER PIPE. CONSTRUCT OUTLET EROSION PROTECTION PER SD1 DETAIL SHEET 4.
- 7 CONNECT EXISTING PIPE TO PROPOSED STORM STRUCTURE
- 8 CONNECT PROPOSED PIPE TO EXISTING STORM STRUCTURE. CORE DRILL WITH "WATER TIGHT" BOOT CONNECTION PER SD1 REQUIREMENTS.
- 9 CONSTRUCT CATCH BASIN. SEE SIZE PER PROFILE DESCRIPTION
- 10 INSTALL TRANSVERSE UNDERDRAIN PER DETAIL (SHEET 3). CONNECT TO PROPOSED EDGE DRAIN.
- 11 CONNECT PROP. UNDERDRAIN TO CURB INLET (INCIDENTAL TO UNDERDRAIN ITEM)
- 12 ADJUST WATER VALVE OR METER TO FINISHED GRADE
- 13 ADJUST SANITARY MANHOLE TO GRADE PER SD1 SPECIFICATIONS
- 14 CONTRACTOR TO RESTORE DECORATIVE ROCK WALL AND CHANNEL LINING "MINIMUM" COST TO BE INCLUDED IN THE PERTINENT DRAINAGE STRUCTURE AND PIPE PRICING ITEMS AND NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- 15 TRANSITION TO MATCH EXISTING CURB AND/OR SIDEWALK OVER 4 FEET.
- 16 CONTRACTOR TO EXPOSE UTILITY PRIOR TO CONSTRUCTION TO DETERMINE ACTUAL LOCATION AND ELEV. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS (INCIDENTAL TO CONTRACT)
- 17 CONNECT EXISTING DOWNSPOUT TO COLLECTOR LINE. CONTRACTOR TO CONFIRM ACTUAL LOCATION IN THE FIELD WITH CITY ENGINEER. INSTALL CLEANOUT PER DETAIL.
- 18 CONTRACTOR TO POT HOLE THE EXISTING 36" STORM PIPE AND CONFIRM EXISTING INLET ELEVATION PRIOR TO STORM CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF RESULTS PRIOR TO BEGINNING STORM CONSTRUCTION.
- 19 CONTRACTOR TO PROTECT AND SUPPORT THE EXISTING SANITARY SEWER PIPE AS NEEDED FOR THE CONSTRUCTION OF THE STORM PIPE. BY PASS PUMPING OF THE SANITARY SEWER FLOWS WILL BE REQUIRED IF IT IS NECESSARY TO REMOVE AND REPLACE THE EXISTING SANITARY LINES FOR THE CONSTRUCTION OF THE PIPE. COST FOR ALL WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR THESE ITEMS.
- 20 TEMPORARY SHORINGS SHALL BE USED WHENEVER THE BOTTOMS OF THE TRENCH EXCAVATIONS WILL BE WITHIN 1 H : 1 V OUTWARD AND DOWNWARD PROJECTIONS FROM OUTSIDE EDGE OF FOUNDATIONS OF EXISTING STRUCTURES OR EXISTING UTILITIES OR INFRASTRUCTURE. PRECONSTRUCTION AND POST CONSTRUCTION SURVEYS OF STRUCTURES AND INFRASTRUCTURES WITHIN 50 FEET OF THE PROPOSED SEWER ALIGNMENT SHALL BE COMPLETED AND VIBRATION MONITORING SHALL BE COMPLETED WHEN EXCAVATION AND BACKFILLING NEAR STRUCTURES ALONG WITH PERIODIC MONITORING. AREAS WITHIN THE ZONES OF INFLUENCE OF EXISTING STRUCTURES, INCLUDING UP TO BASEMENT ELEVATIONS BETWEEN THE HOUSES AT 749 BONNIE DRIVE, 718, 748 & 748 VINCENT DRIVE SHALL BE BACKFILLED WITH FLOWABLE FILL.
- 21 GRADE YARD AREA PER TYPICAL SECTION TO PROVIDE AN EMERGENCY OVERLAND FLOOD ROUTE BETWEEN HOUSE #718 VINCENT AND THE ROCK WALL AT #718 VINCENT DRIVE TO VINCENT DRIVE.
- 22 CONNECT EXISTING DOWNSPOUT LINES INTO PROPOSED MANHOLE. LOCATION UNKNOWN. VERIFY LOCATION AND ELEVATIONS OF DOWNSPOUT LINES IN REGARD TO MANHOLE ELEVATION. REPORT ANY ISSUES TO ENGINEER.

HATCH LEGEND

- 8" PROPOSED PAVEMENT REPLACEMENT WITH GRANULAR BASE - SEE TYPICAL SECTIONS
- 6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
- 4" CONCRETE WALK SHEET REPLACEMENT - SEE DETAIL SHEET
- ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET

UTILITY STRUCTURE LEGEND

- (S) STORM SEWER STRUCTURE LABEL
- (X) EXISTING STORM SEWER STRUCTURE LABEL
- (D-1) STORM SEWER PROFILE RUN

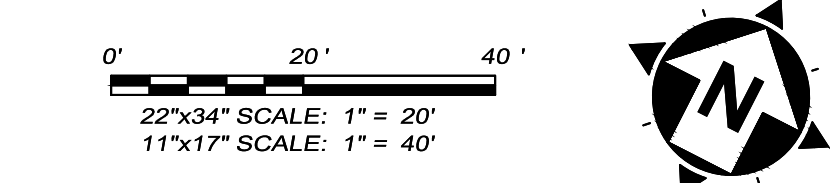
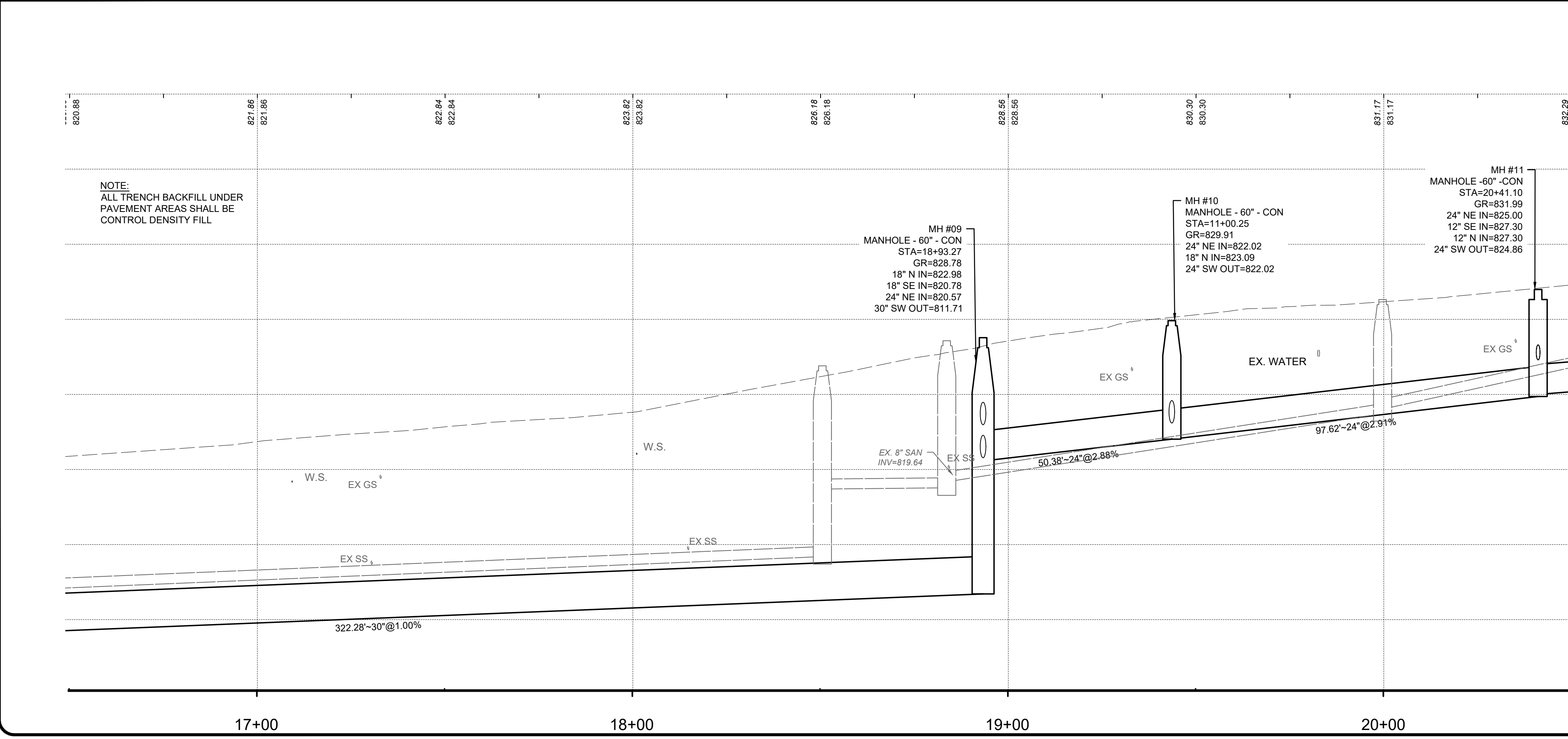
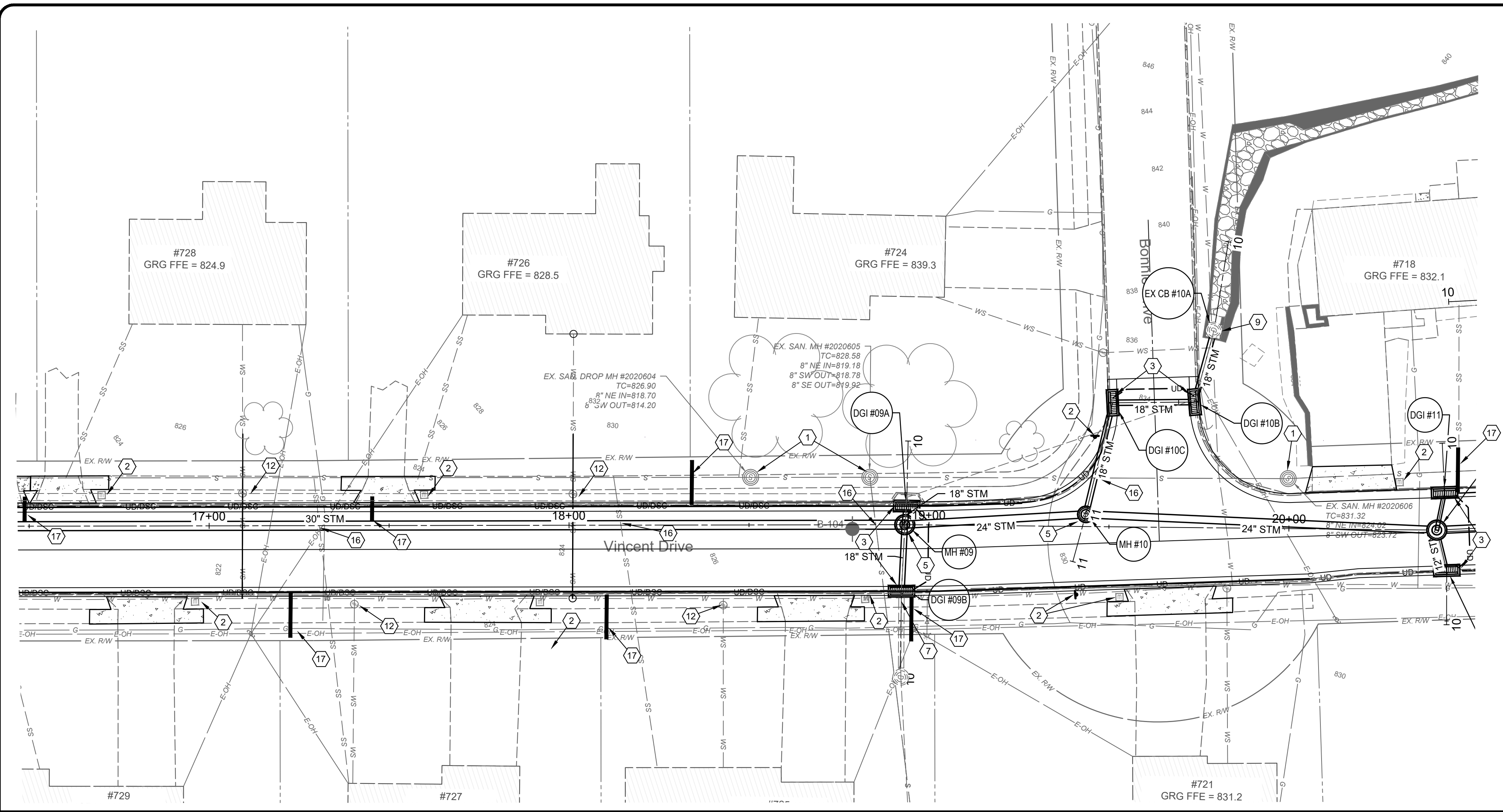


2161 CHAMBER CENTER DRIVE
FORT MITCHELL, KENTUCKY 41017
TEL: (609) 925-0544
WWW.VERDANTAS.COM

DATE	REVISION	NO	BIDDING	ISSUED FOR:
			08/14/2025	AS NOTED
				DESIGNED BY: DGAR
				DRAWN BY: DGAR
				CHECKED BY: JSJU

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
STORM PNP SHEET
STA: 50+00 TO 53+66**

PROJECT NO:	34158
DISCIPLINE:	CIVIL
SHEET NAME:	STM PNP 1
SHEET OF:	7 OF 21



CONSTRUCTION NOTES

- 1 DO NOT DISTURB
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UTILITY STRUCTURE LEGEND

- 5 STORM SEWER STRUCTURE LABEL
- X3 EXISTING STORM SEWER STRUCTURE LABEL
- D-1 STORM SEWER PROFILE RUN

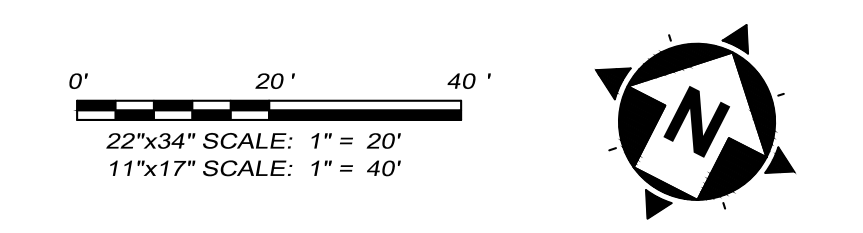
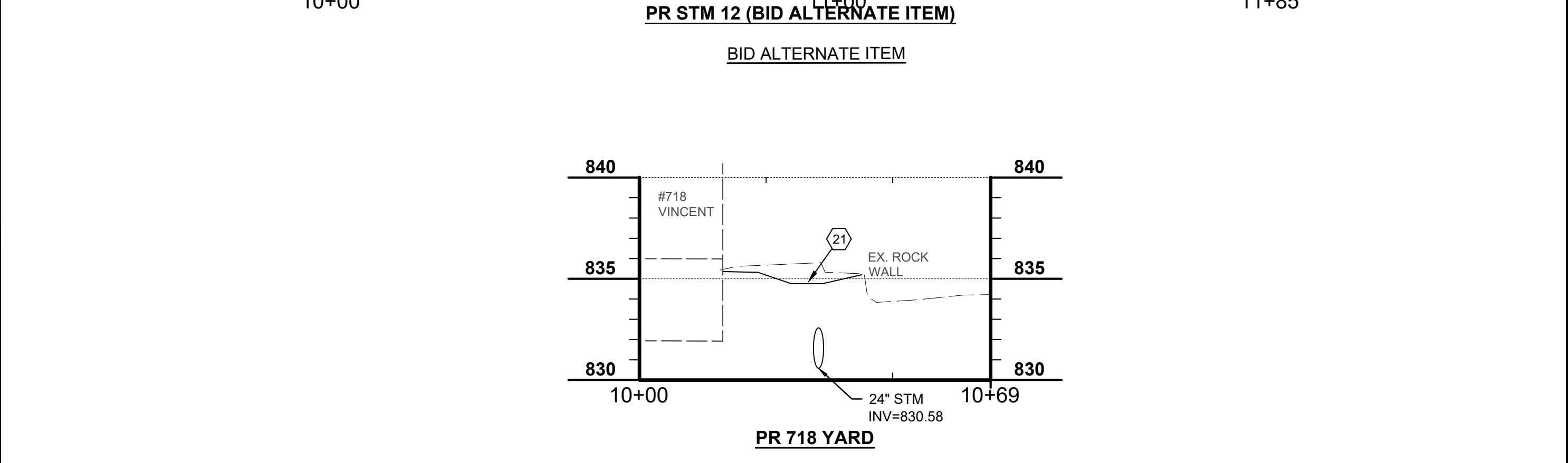
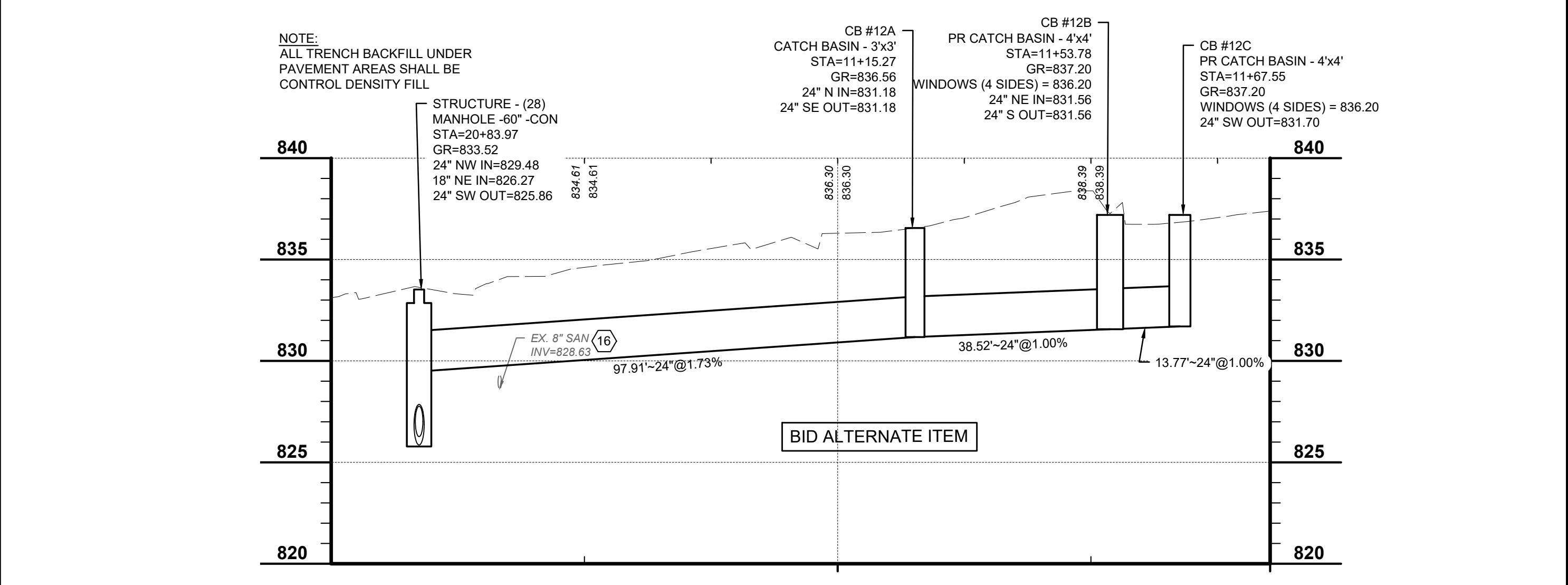
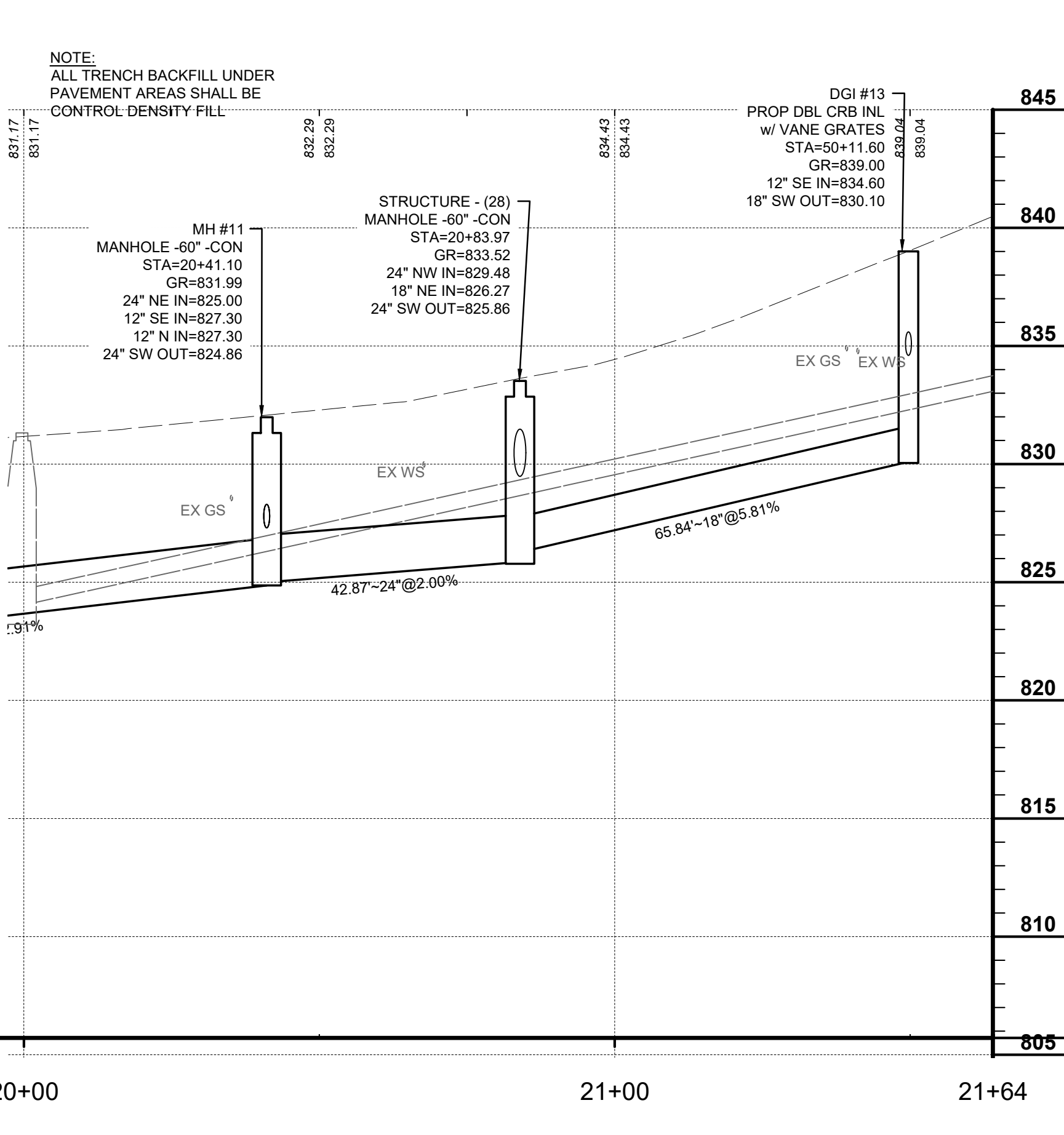
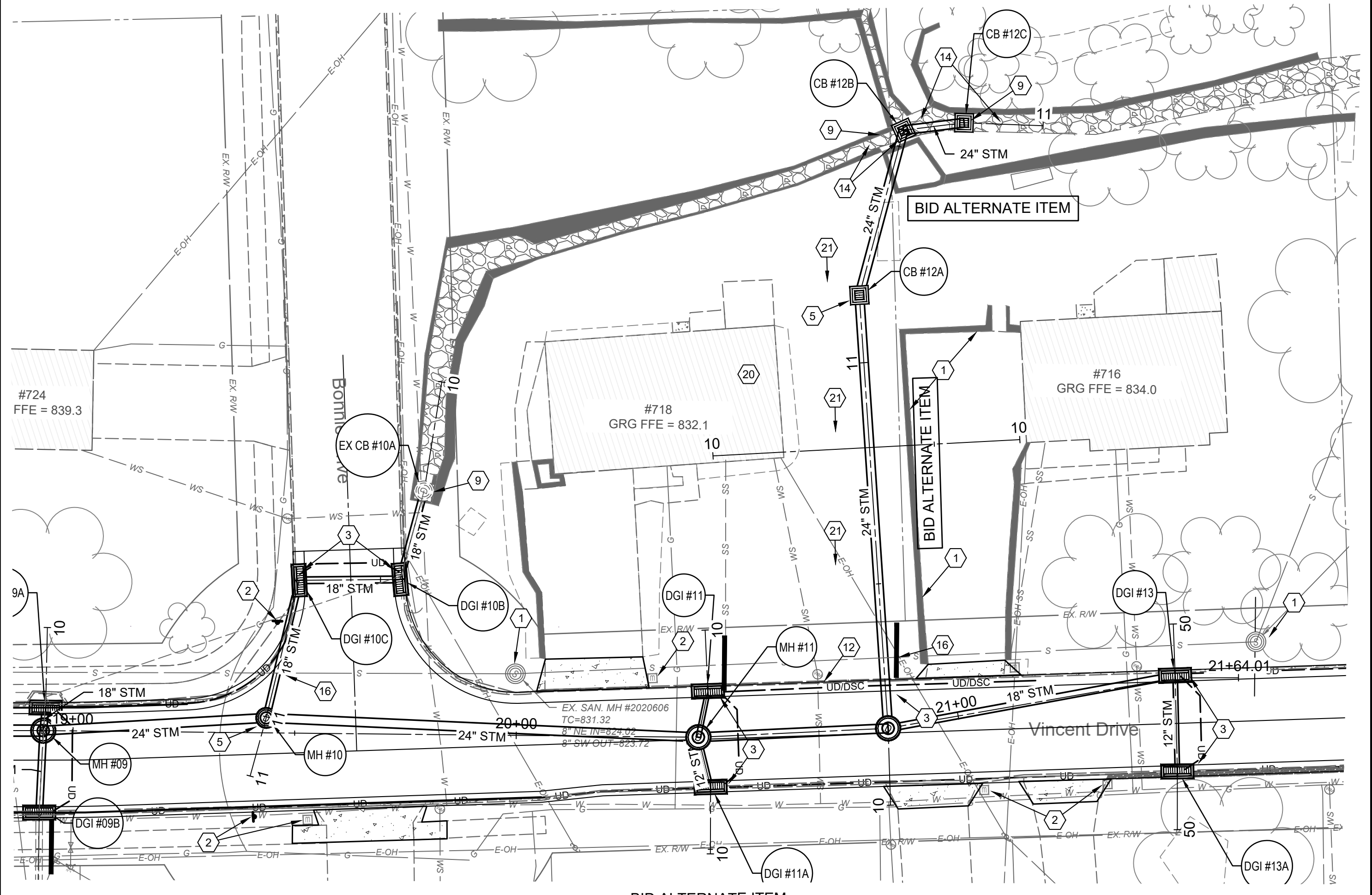
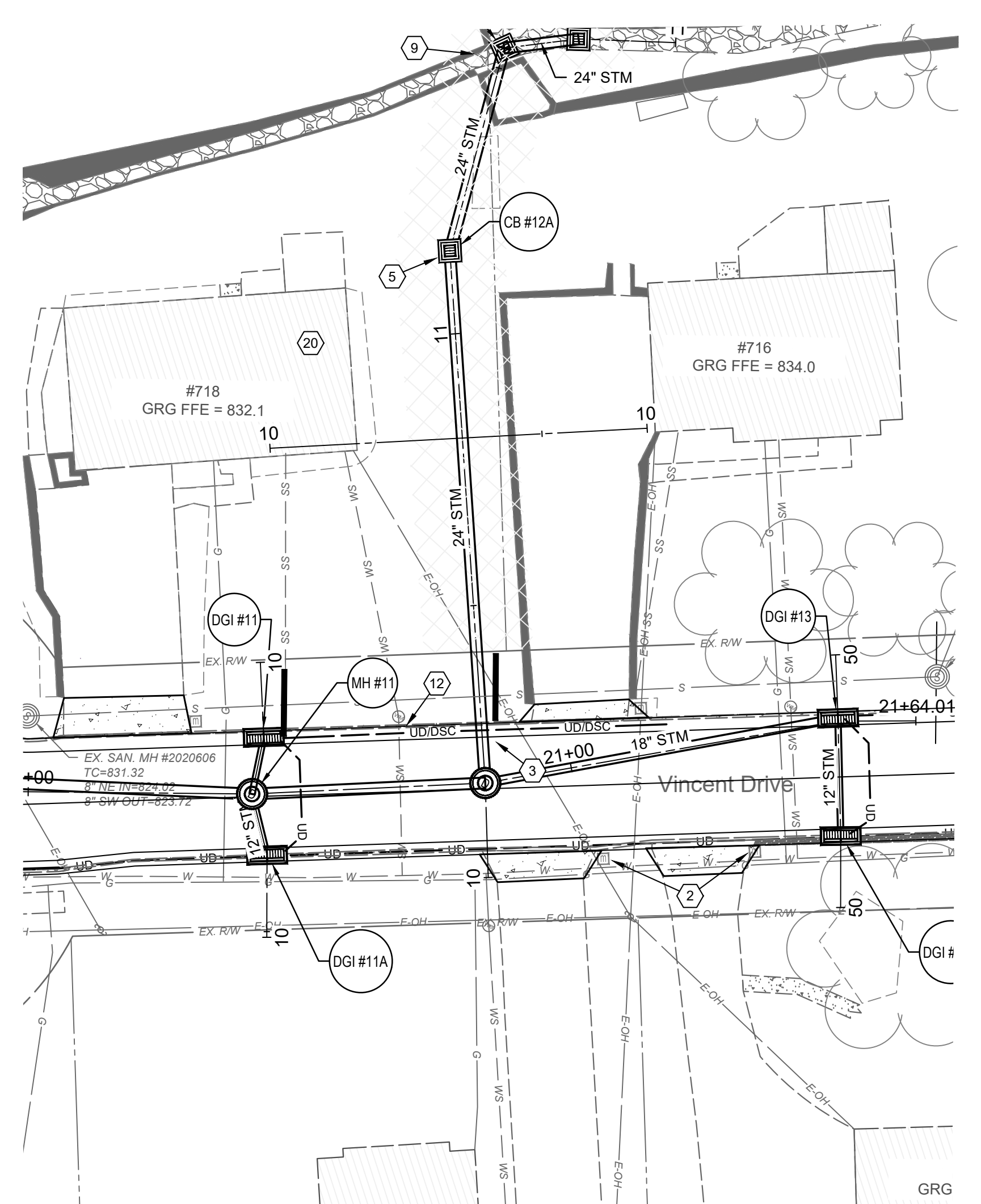


2161 CHAMBER CENTER DRIVE
FORT MITCHELL, KENTUCKY 41017
TEL: (859) 925-0544
WWW.VERDANTAS.COM

DATE	REVISION	NO	BIDDING	ISSUED FOR:
			08/14/2025	AS NOTED
				DESIGNED BY: DGAR
				DRAWN BY: DGAR
				CHECKED BY: JSU

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
STORM PNP SHEET
STA: 18+50 TO 23+00**

PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	STM PNP 4
SHEET OF	10 21



CONSTRUCTION NOTES

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HATCH LEGEND

- 8" PROPOSED PAVEMENT REPLACEMENT WITH GRANULAR BASE - SEE TYPICAL SECTIONS
- 6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
- 4" CONCRETE WALK SHEET REPLACEMENT - SEE DETAIL SHEET
- ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET

UTILITY STRUCTURE LEGEND

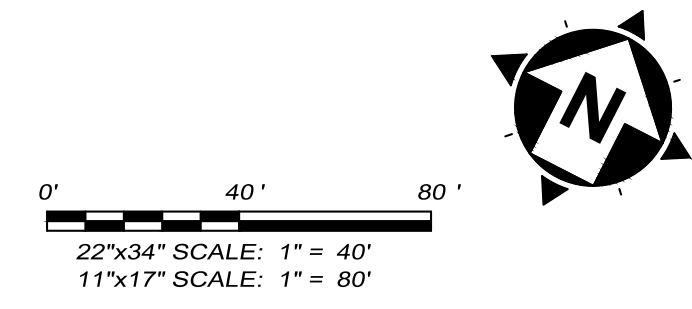
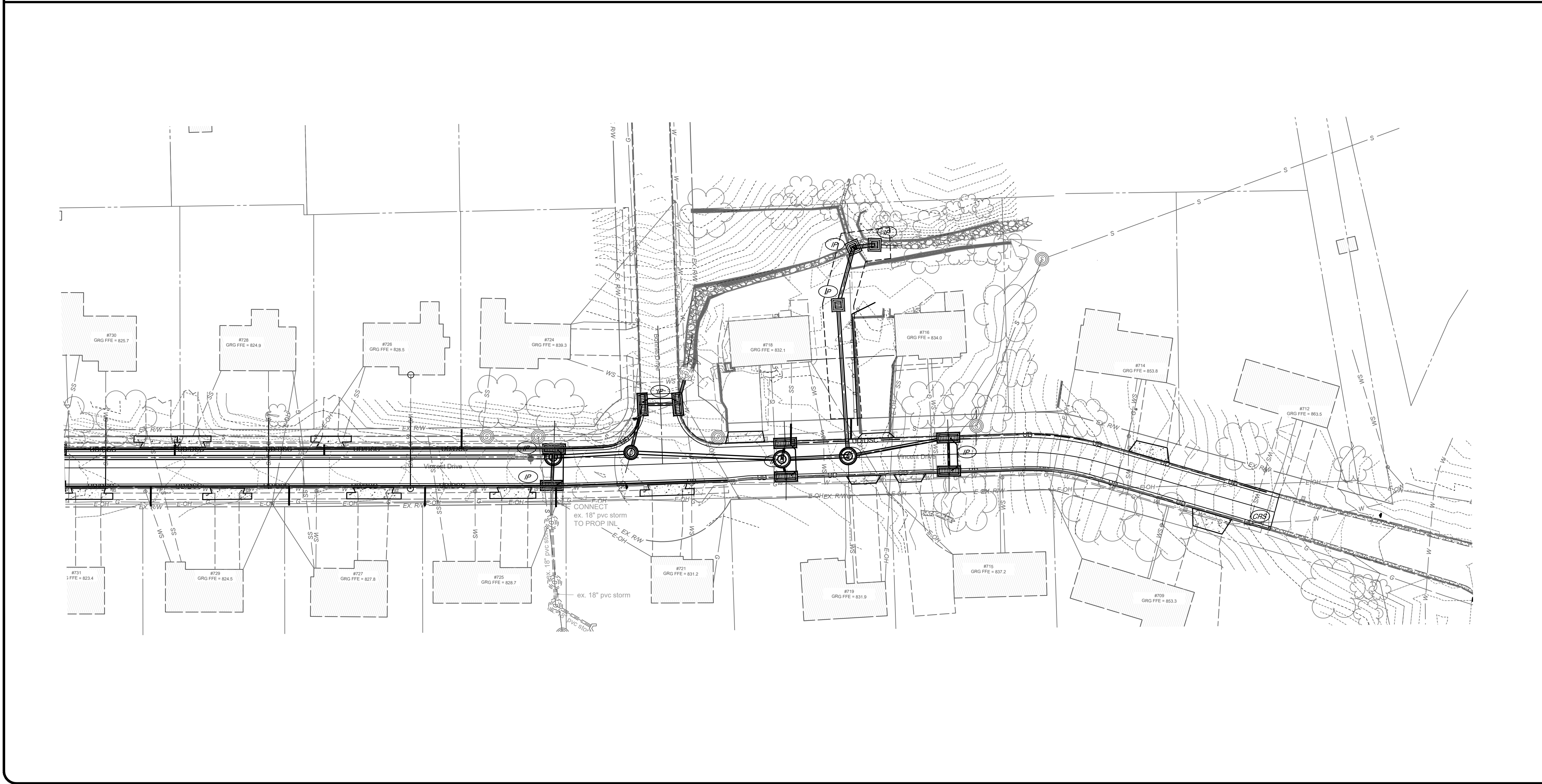
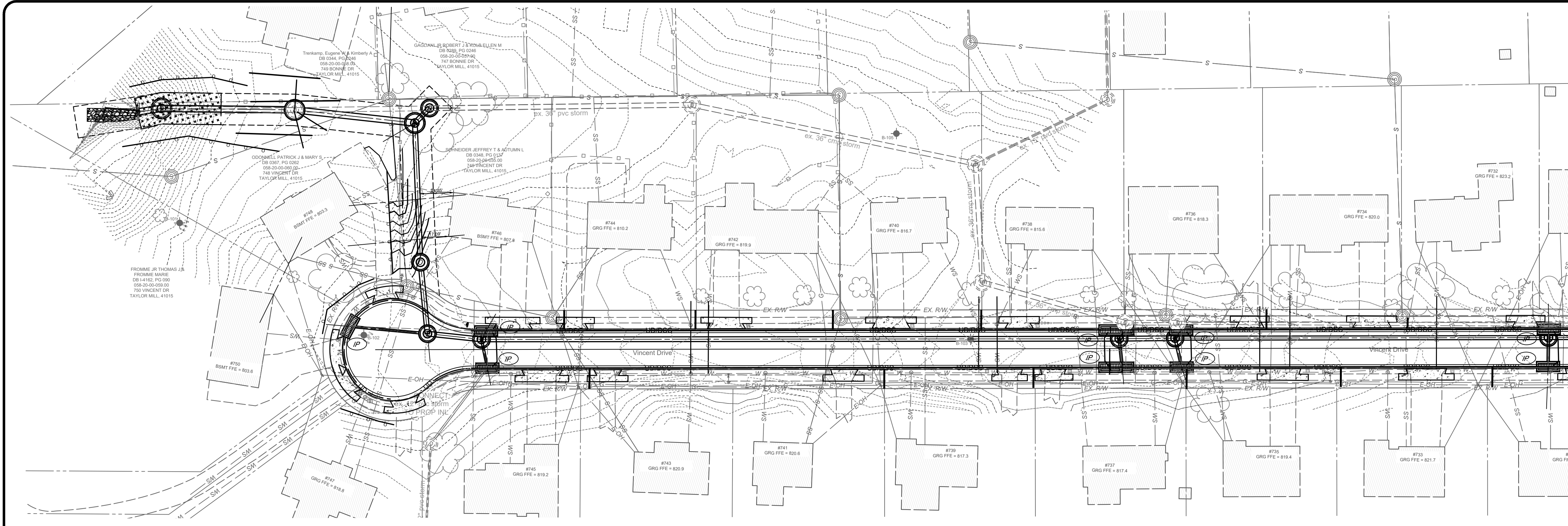
- 5 STORM SEWER STRUCTURE LABEL
- X3 EXISTING STORM SEWER STRUCTURE LABEL
- D-1 STORM SEWER PROFILE RUN



ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	06/14/2025			
SCALE:	AS NOTED			
DESIGNED BY:	DGAR			
DRAWN BY:	DGAR			
CHECKED BY:	JSHU			

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
STORM PNP SHEET
PROPOSED STORM RUN 12**

PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	STM PNP 5
SHEET	11
OF	21



SYMBOL LEGEND

SILT FENCE SEE DETAILS SHT C	
INLET PROTECTION FOR DRAINAGE STRUCTURES SEE DETAILS SHT C	
ROCK CHECK DAM	
EXISTING CONTOUR	--- 820 ---
PROPOSED CONTOUR	--- 815 ---
CONSTRUCTION ROAD STABILIZATION	
EROSION CONTROL BLANKET	

verdantas
 2161 CHAMBER CENTER DRIVE
 FORT MITCHELL, KENTUCKY 41017
 TEL: (859) 925-0544
 WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE: 05/14/2025				
SCALE: AS NOTED				
DESIGNED BY: DGAR				
DRAWN BY: DGAR				
CHECKED BY: JSJU				

**VINCENT DRIVE
 DRAINAGE AND ROADWAY
 IMPROVEMENTS
 - THE CITY OF TAYLOR MILL, KY -
 STORMWATER POLLUTION
 PREVENTION PLAN SHEET**

PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	SWPPP
SHEET	13
OF	21

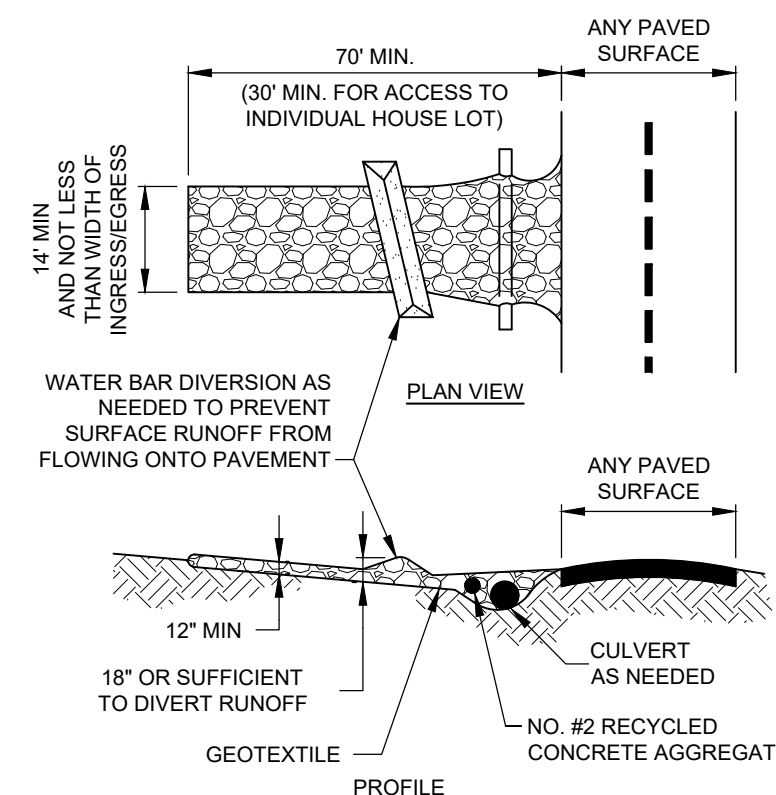
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STORM WATER POLLUTION PREVENTION NOTES

- SANITATION DISTRICT NO. 1 IS TO BE CONTACTED 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AT 859-578-6892
- ALL EROSION AND SEDIMENTATION CONTROL SHALL BE PERFORMED AS SHOWN ON THE PLANS, AND SHALL BE IN COMPLIANCE WITH THE LATEST CONSTRUCTION ACTIVITY - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" RULES AND REGULATIONS AND SECTION 02370 OF SD1 SPECIFICATIONS.
- A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND A COPY OF THE "NOTICE OF INTENT (NOI) SHALL BE KEPT ON SITE.
- AN AMENDMENT OF THE SWPPP IS REQUIRED WHENEVER A CHANGE IN DESIGN, CONSTRUCTION, AND OPERATION OR MAINTENANCE HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS, OR IF THE SWPPP PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF THE SWPPP.
- THE CONTRACTOR SHALL ALSO MAINTAIN THE FOLLOWING RECORDS ON SITE:
 - GENERAL CONTRACTOR AND/OR SUBCONTRACTOR SWPPP CERTIFICATIONS
 - THE DATE, TIME, AND EXACT LOCATION OF THE INSPECTION, AND THE NAME OF THE INSPECTOR
 - AN ASSESSMENT OF THE CONDITION OF THE EROSION CONTROLS
 - A DESCRIPTION OF ANY EROSION CONTROL IMPLEMENTATION AND MAINTENANCE PERFORMED
 - A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION AT THE SITE
- CONSTRUCTION SEQUENCE
 - ALL PERIMETER SILT FENCE, INLET PROTECTION AND OTHER EROSION CONTROLS SHALL BE IN PLACE BEFORE ANY OTHER EARTH MOVING ACTIVITIES BEGIN.
 - THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THE AREAS PLANNED FOR EARTH MOVING.
 - REMOVE TOPSOIL, STOCKPILE IT, AND INSTALL SILT FENCE AROUND PERIMETER
 - SEED SOIL STOCKPILE WITH PERENNIAL RYE GRASS AND MULCH WITH STRAW IF NO TO BE DISTURBED FOR MORE THAN 21 DAYS.
 - INSTALL STORM SEWER SYSTEM AND SURFACE STORM INLET AND MANHOLE PROTECTION WHERE REQUIRED.
 - ESTABLISH A TEMPORARY SEEDING ON ALL BARE AREAS THAT ARE TO REMAIN UNDISTURBED FOR MORE THAN 21 DAYS. SEED WITH PERENNIAL RYE GRASS MULCH WITH STRAW.
 - IMMEDIATE AFTER TOPSOIL HAS BEEN PLACED, STABILIZE THE SAME SURFACE AREA WITH FINAL SEED AND MULCH 7 DAYS AFTER REACHING FINAL GRADE.
 - AFTER THE VEGETATION HAS BECOME WELL ESTABLISHED, REMOVE TEMPORARY EROSION OR SEDIMENT CONTROL PRACTICES.
- EROSION CONTROLS MUST BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF 0.5" OR GREATER RAINFALL. REMOVE ACCUMULATED SEDIMENT FROM EROSION CONTROLS.
- TEMPORARY SEEDING SHALL BE PERENNIAL RYE GRASS (40 LB / ACRE) AND MULCH AT 3 BALES OF STRAW PER 1000 S.F.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING BORROW MATERIAL ONSITE AND / OR DISPOSING OF EXCESS MATERIAL OFF SITE AS REQUIRED TO MEET INDICATED DESIGN ELEVATIONS.
- DEBRIS SHALL BE COLLECTED WITHIN PROPERTY LIMITS WEEKLY OR AS NEEDED FOR PUBLIC SAFETY. SURROUNDING STREETS AFFECTED BY THE CONSTRUCTION SHALL BE CLEANED DAILY OR AS NEEDED FOR PUBLIC SAFETY. SEE CONSTRUCTION ENTRANCE DETAIL, IN SWPPP DETAILS SHEET.
- THE CONSTRUCTION OF BMPs SHALL BE REVISED OR ADDED IF DEEMED NECESSARY PER SECTION 1000 OF THE SANITATION DISTRICT 1 REGULATIONS.
- CONTACT SANITATION DISTRICT NO. 1 72 HOURS PRIOR TO INSTALLATION OF THE WATER QUALITY FEATURE.

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.
 - 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.
- ALL SEEDING MIX, FERTILIZER AND MULCH SHALL CONFORM TO SECTION 02370 OF THE SANITATION DISTRICT NO. 1 SPECIFICATIONS.



NOTES:

- PLACE GEOTEXTILE OVER THE ENTIRE AREA PRIOR TO PLACING STONE MEETING THE MIN. SPECIFICATIONS:
 - TENSILE STRENGTH = 200 LBS.
 - PUNCTURE STRENGTH = 80 PSI
 - TEAR STRENGTH = 50 LBS.
 - BURST STRENGTH = 320 PSI
 - ELONGATION = 20%
 - EQUIVALENT OPENING SIZE ≤ 0.6 MM
 - PERMITTIVITY = 0.001 CM/SEC
- APPLY ADDITIONAL STONE AS CONDITIONS DEMAND AND REPLENISH 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.

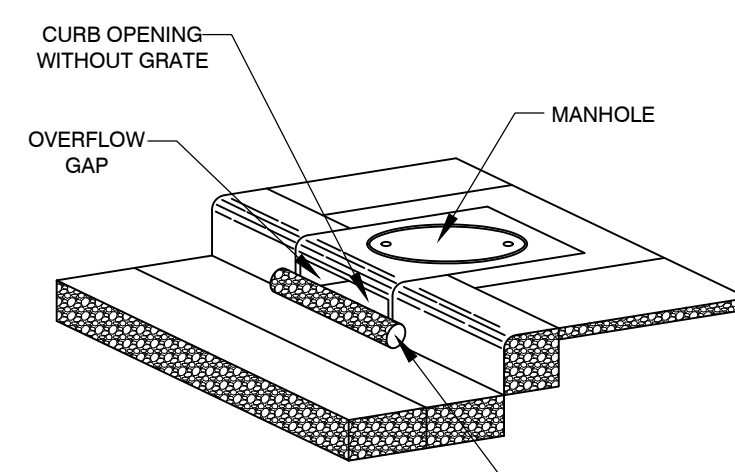
CE CONSTRUCTION ENTRANCE
SCALE: NONE

NOTES:

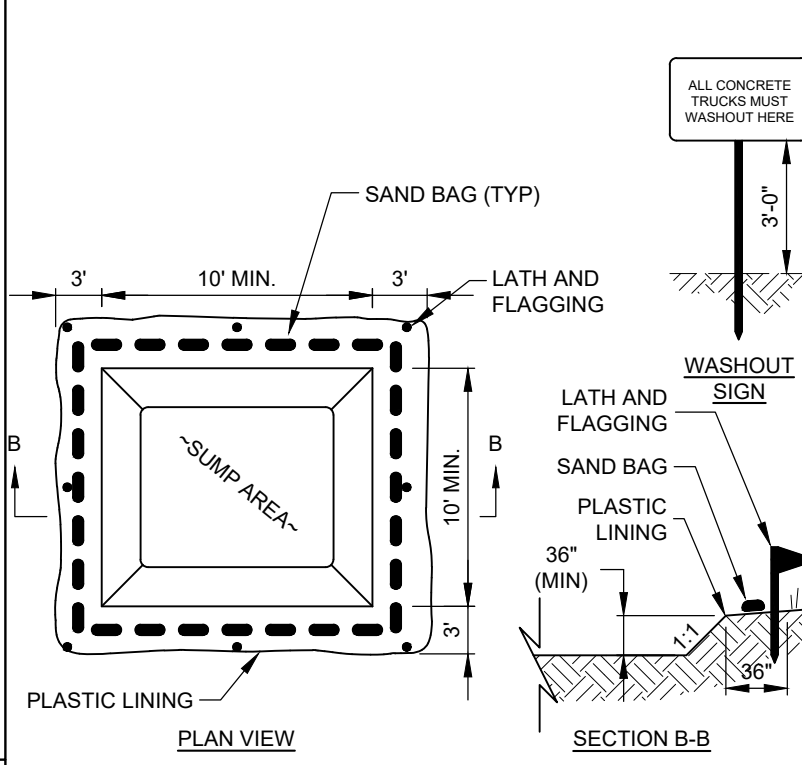
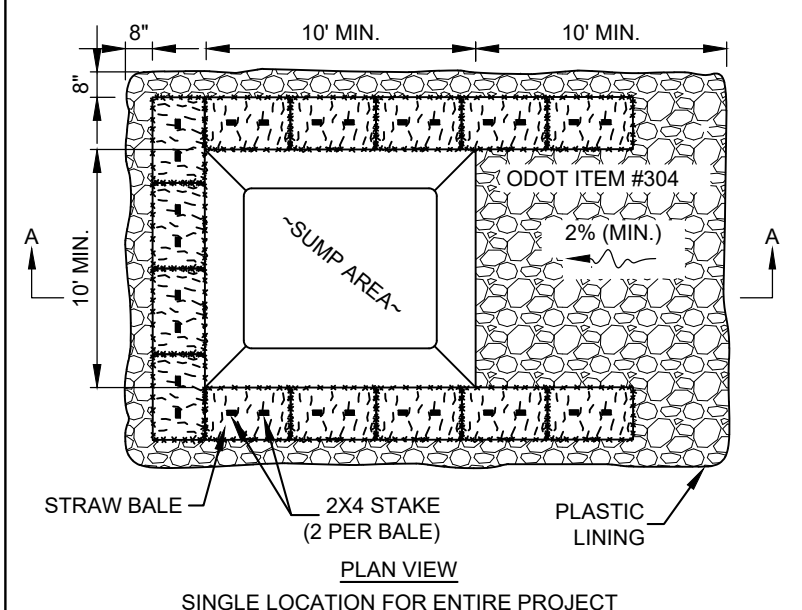
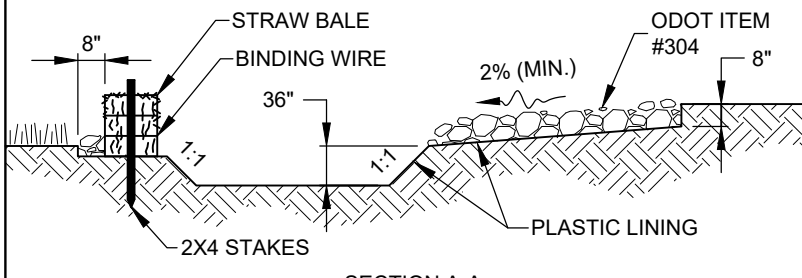
- THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.
- SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH ADEQUATE VEGETATION. PERFORM SOIL TESTS ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
- APPLY SEED UNIFORMLY. COVER BROADCASTED SEED BY RAKING OR DRAGGING 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	PERENNIAL RYEGRASS	2	40
	TALL FESCUE	1	40
	RYE	3	112
NOVEMBER 1 TO SPRING	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	WHEAT	3	120
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	TALL FESCUE	1	40
ONLY MULCH OR DORMANT SEEDING.			

TEMPORARY SEEDING DETAIL
SCALE: NONE

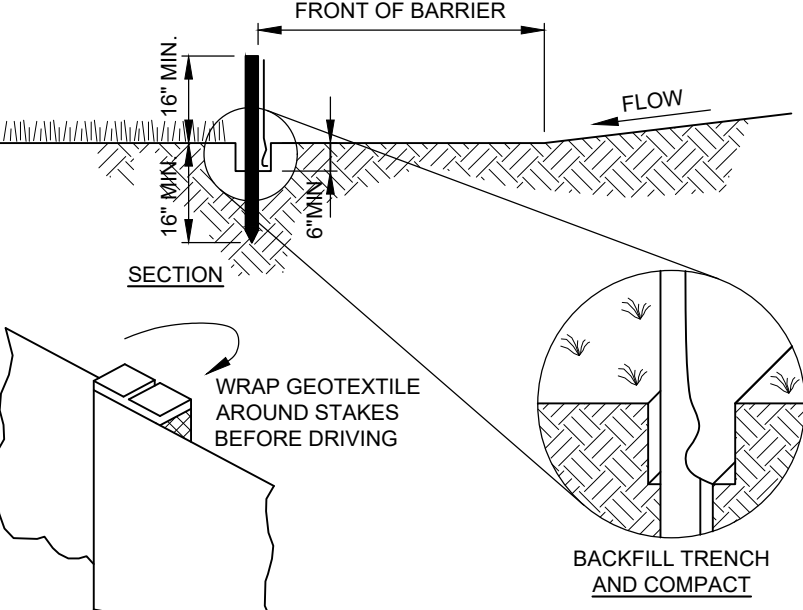
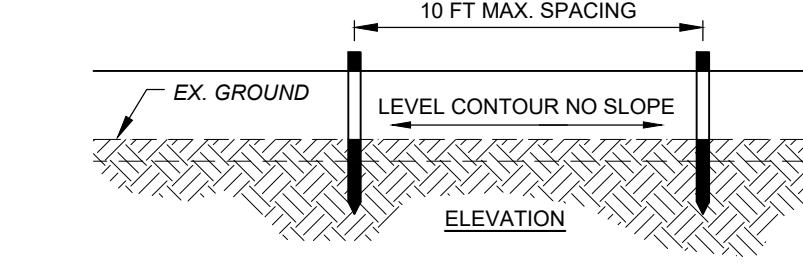


IP DANDY CURB
SCALE: NONE



- 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.

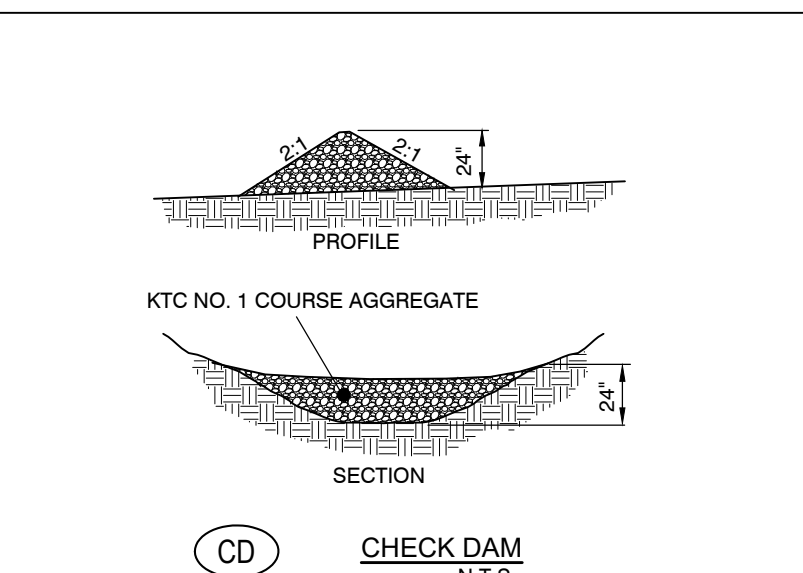
WA CONCRETE WASHOUT DETAIL
SCALE: NONE



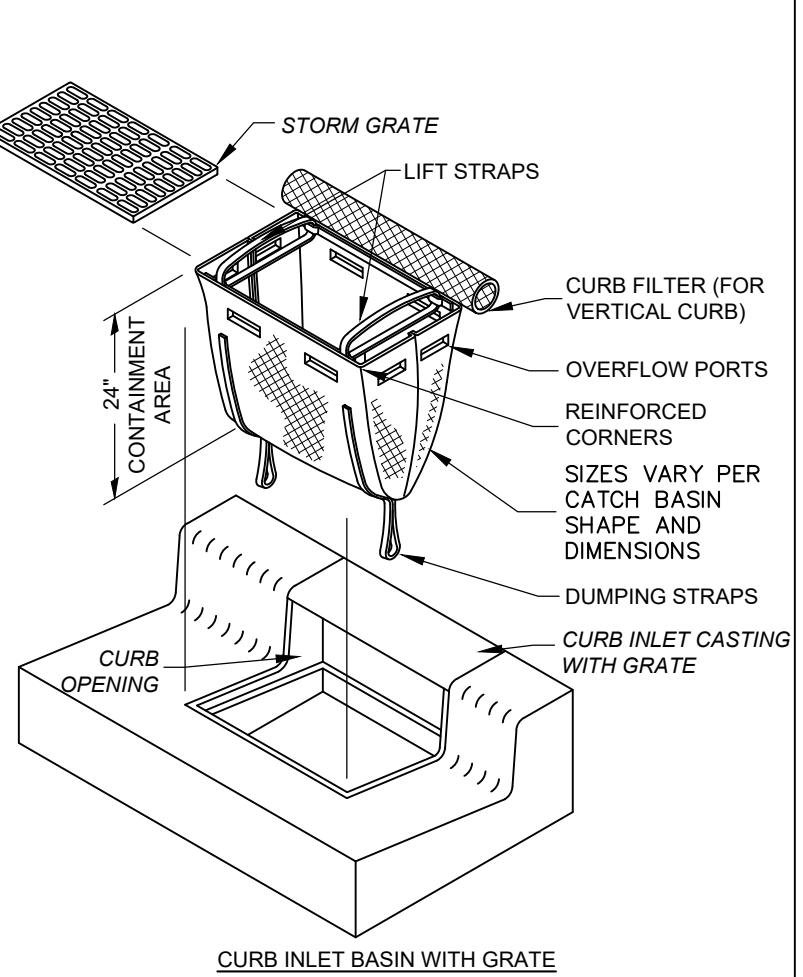
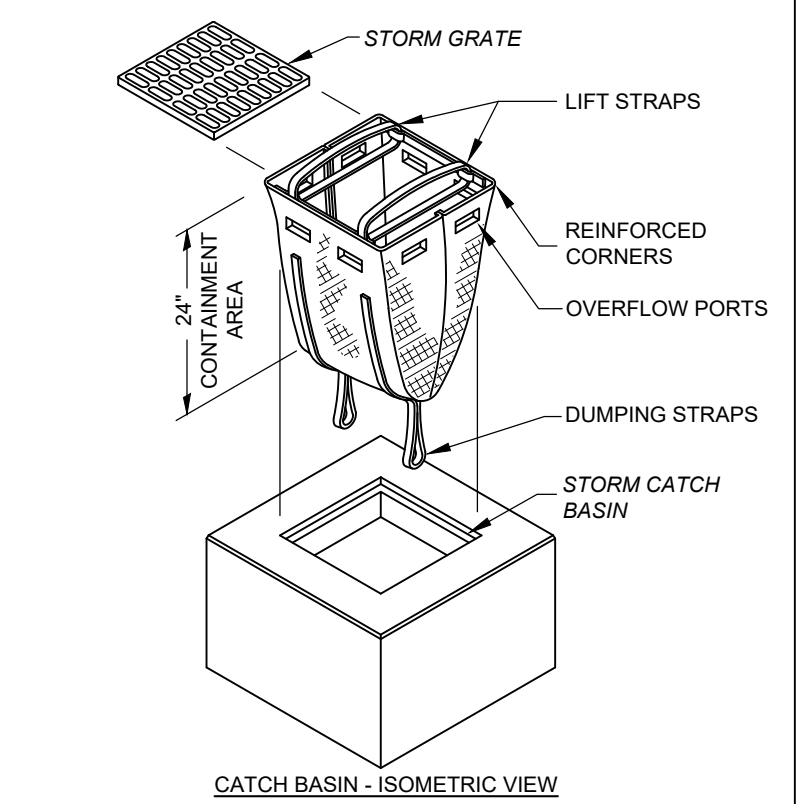
- NOTES:**
- PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
 - SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING 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

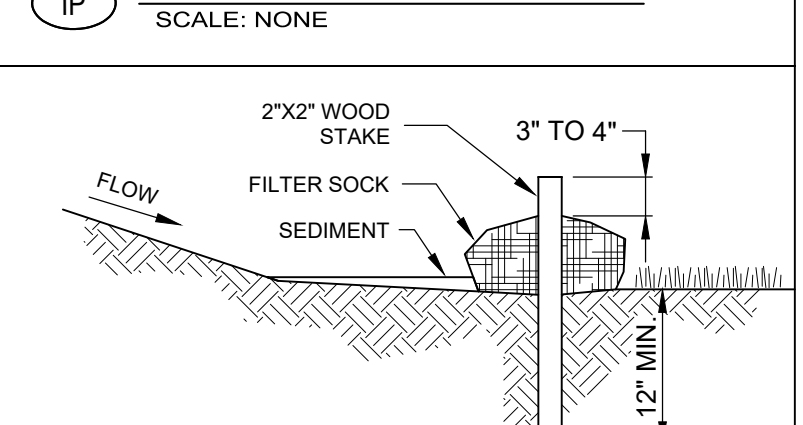
SF SILT FENCE
SCALE: NONE



CD CHECK DAM
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'	18'	24'
0% - 2%	0 - 50:1	125'	250'	300'	350'
2% - 10%	50:1 - 10:1	100'	125'	200'	250'
10% - 20%	10:1 - 5:1	75'	100'	150'	200'

FILTER SOCK DETAIL
SCALE: NONE

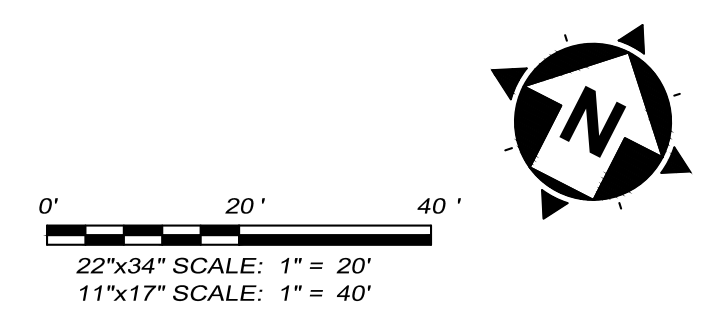
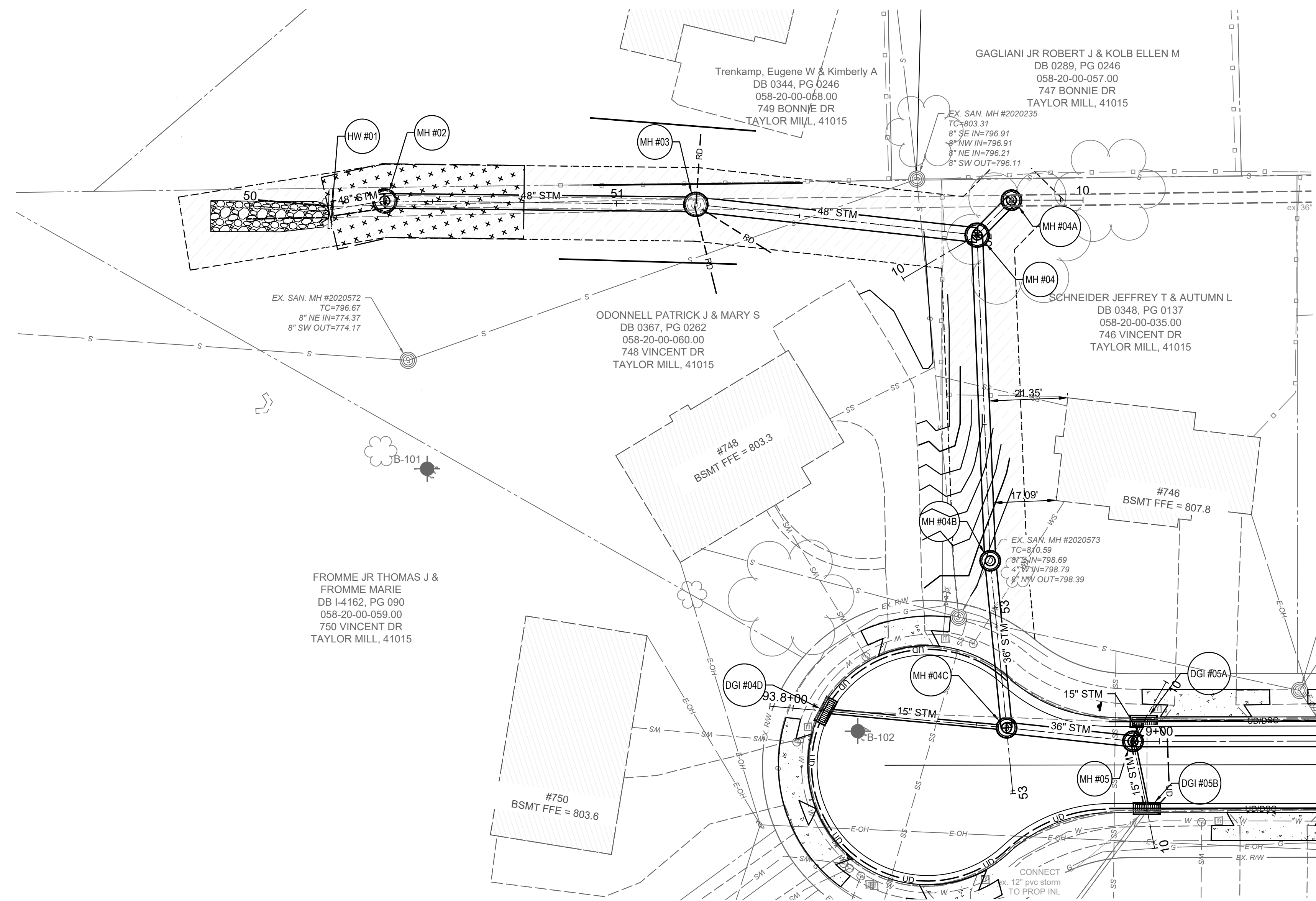


2161 CHAMBER CENTER DRIVE
FORT MITCHELL, KENTUCKY 41017
TEL: (859) 929-0544
WWW.VERDANTAS.COM

DATE	REVISION	NO	BIDDING	ISSUED FOR:
			08/14/2025	
			AS NOTED	
			DGAR	
			DGAR	
			JSHU	

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
STORMWATER POLLUTION
PREVENTION PLAN NOTES**

PROJECT NO:	34158
DISCIPLINE	CIVIL
SHEET NAME	DEMO
SHEET	14
OF	21



EASEMENT HATCH LEGEND	
	20' WIDE PERMANENT PUBLIC SEWER EASEMENT TO SD1.
	20' WIDE PERMANENT PRIVATE SEWER EASEMENT.

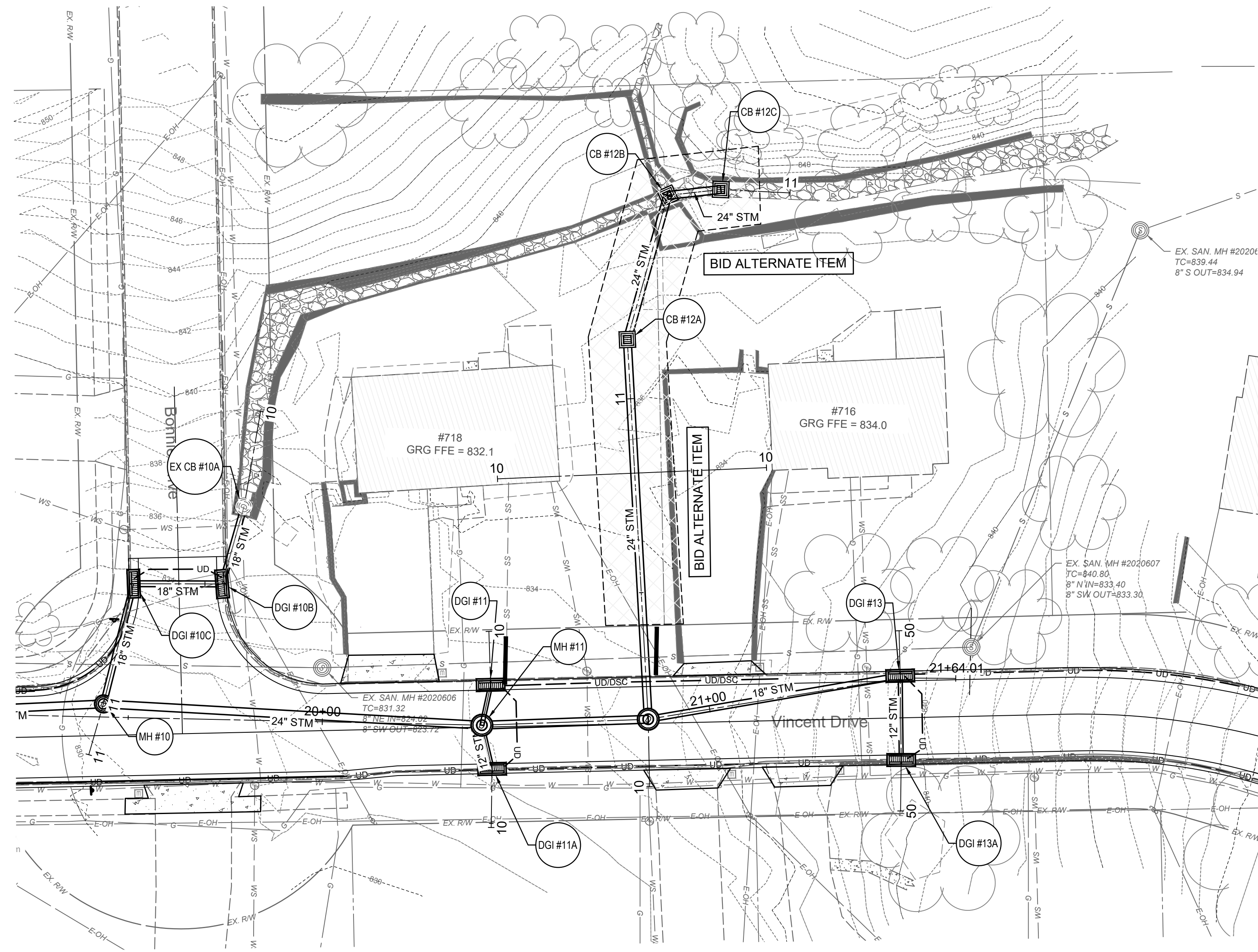


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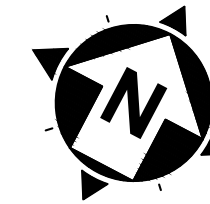
ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	08/14/2025			
SCALE:	AS NOTED			
DESIGNED BY:	DGAR			
DRAWN BY:	DGAR			
CHECKED BY:	JSHU			

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
STORM EASEMENT SHEET 1**

PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	STM EASE 1
SHEET	15
OF	21



0' 20' 40'
 22"x34" SCALE: 1" = 20'
 11"x17" SCALE: 1" = 40'



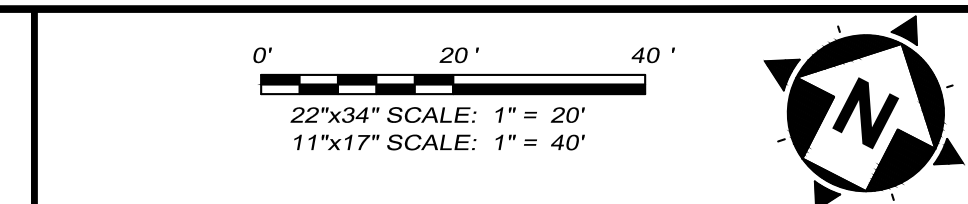
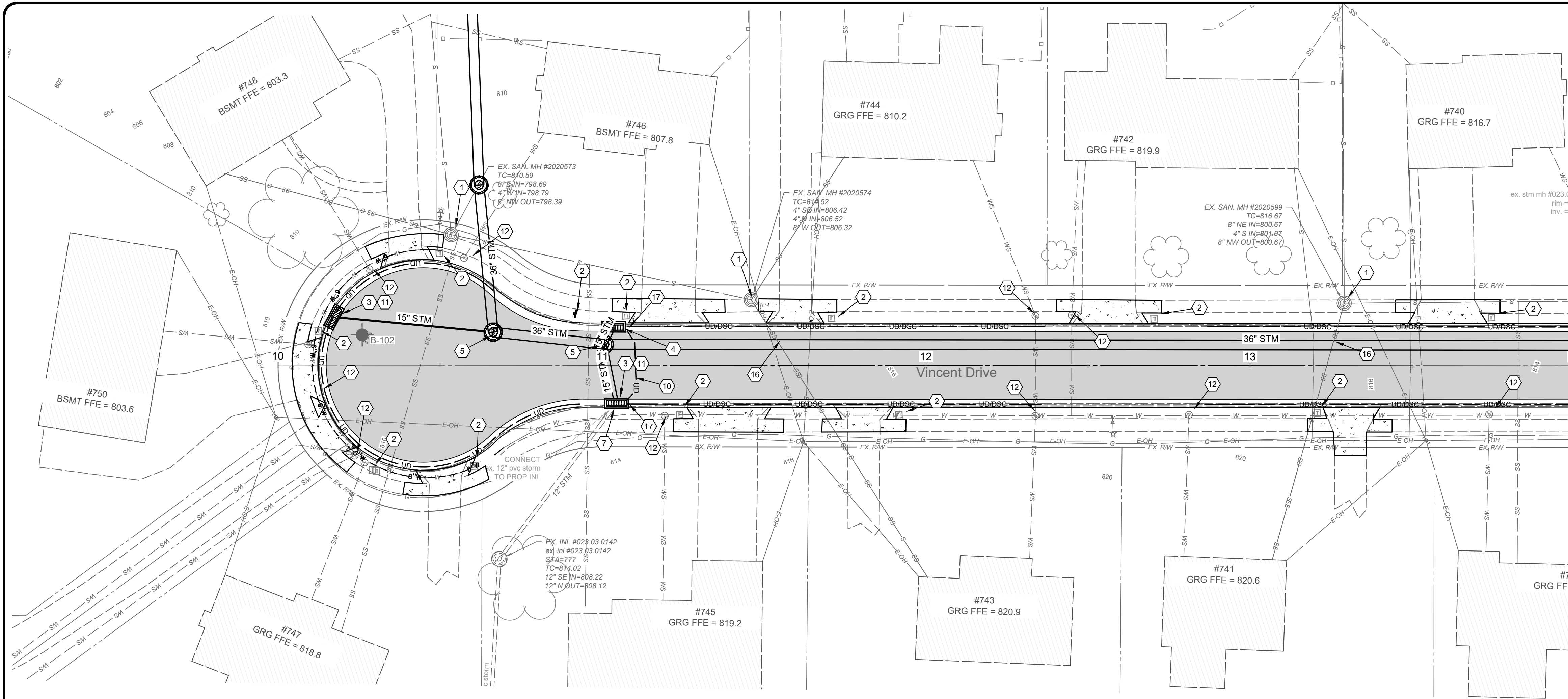
EASEMENT HATCH LEGEND	
	20' WIDE PERMANENT PUBLIC SEWER EASEMENT TO SD1.
	20' WIDE PERMANENT PRIVATE SEWER EASEMENT.

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 TEL: (859) 925-0544
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ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE: 06/14/2025	AS NOTED			
SCALE:	DESIGNED BY: DGAR			
	DRAWN BY: DGAR			
	CHECKED BY: JSJU			

**VINCENT DRIVE
 DRAINAGE AND ROADWAY
 IMPROVEMENTS
 - THE CITY OF TAYLOR MILL, KY -
 STORM EASEMENT SHEET 2**

PROJECT NO:	34158
DISCIPLINE:	CIVIL
SHEET NAME:	STM EASE 2
SHEET OF:	16 OF 21



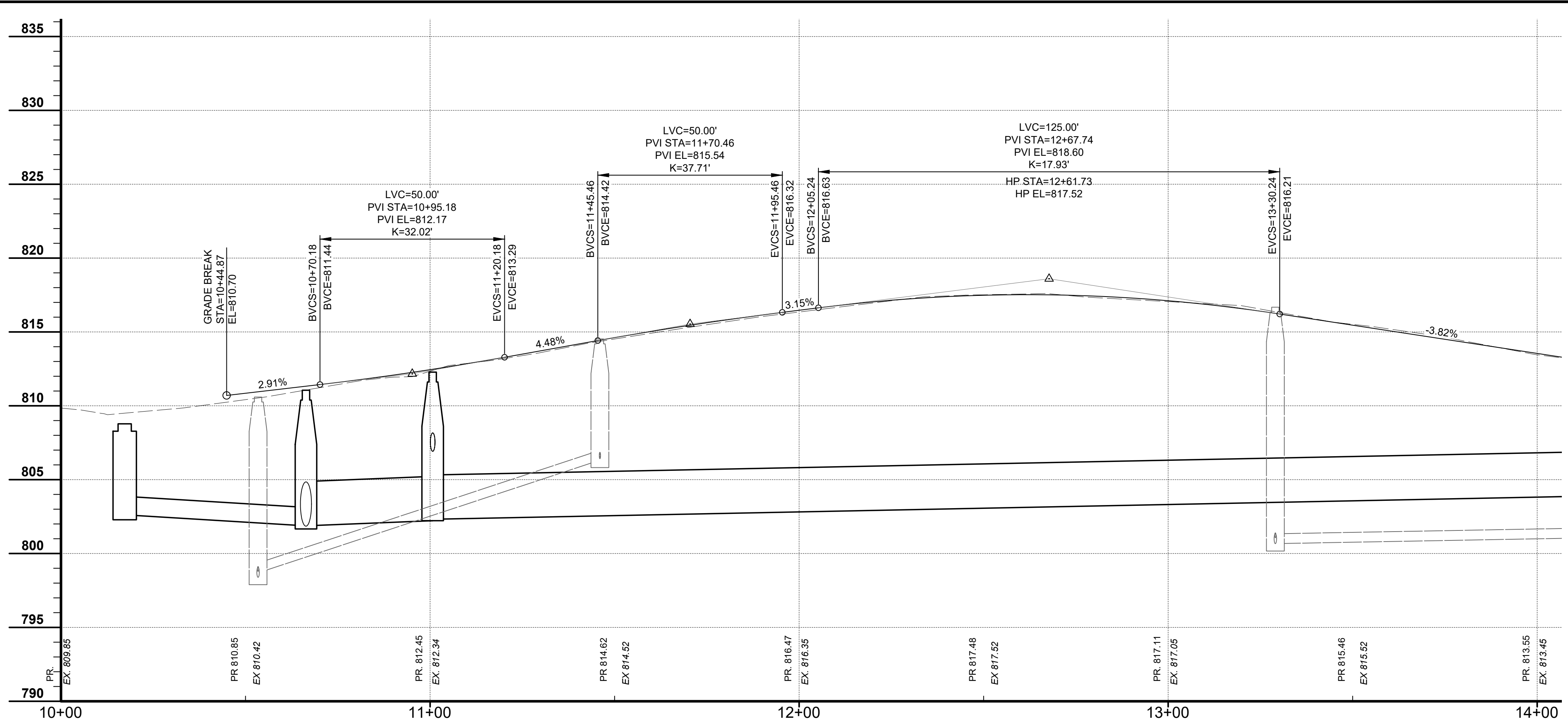
- CONSTRUCTION NOTES**
- 1 DO NOT DISTURB
 - 2 REMOVE, SALVAGE, & REINSTALL/RELOCATE EXIST. SIGN OR MAILBOX (INCIDENTAL TO ITEM 202 - CLEARING AND GRUBBING)
 - 3 INSTALL STANDARD DOUBLE GRATE CURB INLET PER DETAIL. CONNECT TO EXISTING PIPE OR PROPOSED PIPE AS SHOWN ON PLAN.
 - 4 INSTALL DOUBLE GRATE INLET AND MOUNTABLE GRATE.
 - 5 INSTALL STORM MANHOLE
 - 6 INSTALL PROPOSED HEADWALL FOR 48\"/>
 - 7 CONNECT EXISTING PIPE TO PROPOSED STORM STRUCTURE
 - 8 CONNECT PROPOSED PIPE TO EXISTING STORM STRUCTURE. CORE DRILLING INCLUDED AS NEEDED.
 - 9 CONSTRUCT CATCH BASIN. SEE SIZE PER PROFILE DESCRIPTION
 - 10 INSTALL TRANSVERSE UNDERDRAIN PER DETAIL (SHEET 3). CONNECT TO PROPOSED EDGE DRAIN.
 - 11 CONNECT PROP. UNDERDRAIN TO CURB INLET (INCIDENTAL TO UNDERDRAIN ITEM)
 - 12 ADJUST WATER VALVE OR METER TO FINISHED GRADE
 - 13 ADJUST SANITARY MANHOLE TO GRADE PER SD1 SPECIFICATIONS
 - 14 RECONSTRUCT EXISTING ROCK CHANNEL AND WALL AS NEEDED. (CONSTRUCT IN KIND)
 - 15 TRANSITION TO MATCH EXISTING CURB AND/OR SIDEWALK OVER 4 FEET.
 - 16 CONTRACTOR TO EXPOSE UTILITY PRIOR TO CONSTRUCTION TO DETERMINE ACTUAL LOCATION AND ELEV. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS (INCIDENTAL TO CONTRACT)
 - 17 CONNECT EXISTING DOWNSPOUT TO COLLECTOR LINE. CONTRACTOR TO CONFIRM ACTUAL LOCATION IN THE FIELD WITH CITY ENGINEER. INSTALL CLEANOUT PER DETAIL.
 - 18 CONTRACTOR TO POT HOLE THE EXISTING 36\"/>
 - 19 CONTRACTOR TO PROTECT AND SUPPORT THE EXISTING SANITARY SEWER PIPE AS NEEDED FOR THE CONSTRUCTION OF THE STORM PIPE. BY PASS PUMPING OF THE SANITARY SEWER FLOWS WILL BE REQUIRED IF IT IS NECESSARY TO REMOVE AND REPLACE THE EXISTING SANITARY LINES FOR THE CONSTRUCTION OF THE PIPE. COST FOR ALL WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR THESE ITEMS.
 - 20 TEMPORARY SHORINGS SHALL BE USED WHENEVER THE BOTTOMS OF THE TRENCH EXCAVATIONS WILL BE WITHIN 1 H : 1 V OUTWARD AND DOWNWARD PROJECTIONS FROM OUTSIDE EDGE OF FOUNDATIONS OF EXISTING STRUCTURES OR EXISTING UTILITIES OR INFRASTRUCTURE. PRECONSTRUCTION AND POST CONSTRUCTION SURVEYS OF STRUCTURES AND INFRASTRUCTURES WITHIN 50 FEET OF THE PROPOSED SEWER ALIGNMENT SHALL BE COMPLETED AND VIBRATION MONITORING SHALL BE COMPLETED WHEN EXCAVATION AND BACKFILLING NEAT STRUCTURES ALONG WITH PERIODIC MONITORING. AREAS WITHIN THE ZONES OF INFLUENCE OF EXISTING STRUCTURES, INCLUDING UP TO BASEMENT ELEVATIONS BETWEEN THE HOUSES AT 749 BONNIE DRIVE, 718, 746 & 748 VINCENT DRIVE SHALL BE BACKFILLED WITH FLOWABLE FILL.
 - 21 GRADE YARD AREA PER TYPICAL SECTION TO PROVIDE AN EMERGENCY OVERLAND FLOOD ROUTE BETWEEN HOUSE #718 VINCENT AND THE ROCK WALL AT #716 VINCENT DRIVE TO VINCENT DRIVE.

PRELIMINARY

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ISSUE DATE: 05/14/2025	AS NOTED			
SCALE:	DESIGNED BY: DGAR			
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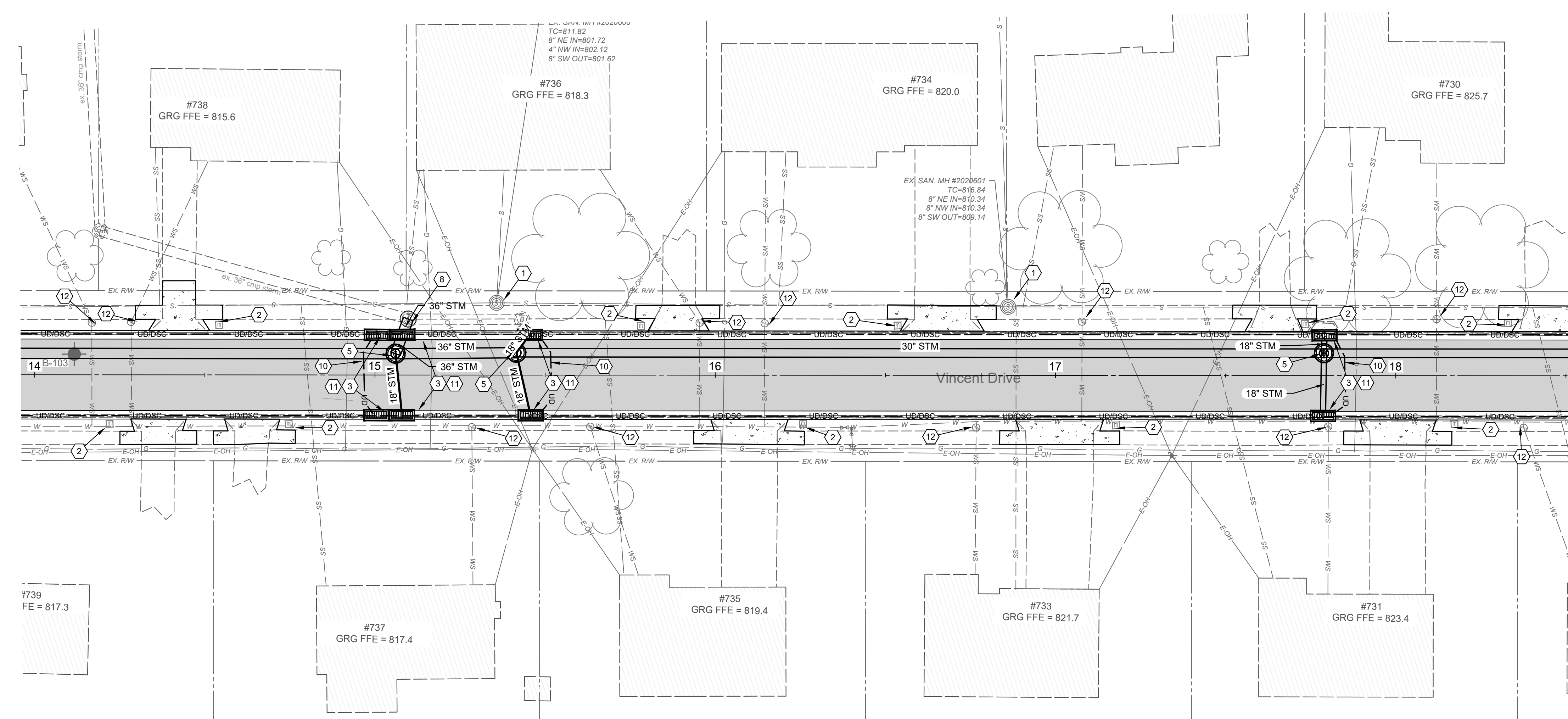
- GEOTECHNICAL NOTES**
1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY TERRACON DATED DECEMBER 5, 2024 AND REVISED REPORT DATED MARCH 9, 2066 ANY SUBSEQUENT REVISIONS.
 2. TEMPORARY SHORINGS SHALL BE USED WHENEVER THE BOTTOMS OF THE TRENCH EXCAVATIONS WILL BE WITHIN 1 H : 1 V OUTWARD AND DOWNWARD PROJECTIONS FROM OUTSIDE EDGE OF FOUNDATIONS OF EXISTING STRUCTURES OR EXISTING UTILITIES OR INFRASTRUCTURE. PRECONSTRUCTION AND POST CONSTRUCTION SURVEYS OF STRUCTURES AND INFRASTRUCTURES WITHIN 50 FEET OF THE PROPOSED SEWER ALIGNMENT SHALL BE COMPLETED AND VIBRATION MONITORING SHALL BE COMPLETED WHEN EXCAVATION AND BACKFILLING NEAT STRUCTURES ALONG WITH PERIODIC MONITORING. AREAS WITHIN THE ZONES OF INFLUENCE OF EXISTING STRUCTURES, INCLUDING UP TO BASEMENT ELEVATIONS BETWEEN THE HOUSES AT 749 BONNIE DRIVE, 718, 746 & 748 VINCENT DRIVE SHALL BE BACKFILLED WITH FLOWABLE FILL.

HATCH LEGEND

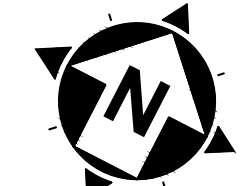
8" PROPOSED PAVEMENT REPLACEMENT WITH GRANULAR BASE - SEE TYPICAL SECTIONS
6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
4" CONCRETE WALK REPLACEMENT - SEE DETAIL SHEET
ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET

VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
ROAD PNP SHEET
STA: 10+00 TO 14+00

PROJECT NO:	34158
DISCIPLINE:	CIVIL
SHEET NAME:	ROAD PNP 1
SHEET OF:	17 OF 21



0' 20' 40'
 22"x34" SCALE: 1" = 20'
 11"x17" SCALE: 1" = 40'



PRELIMINARY

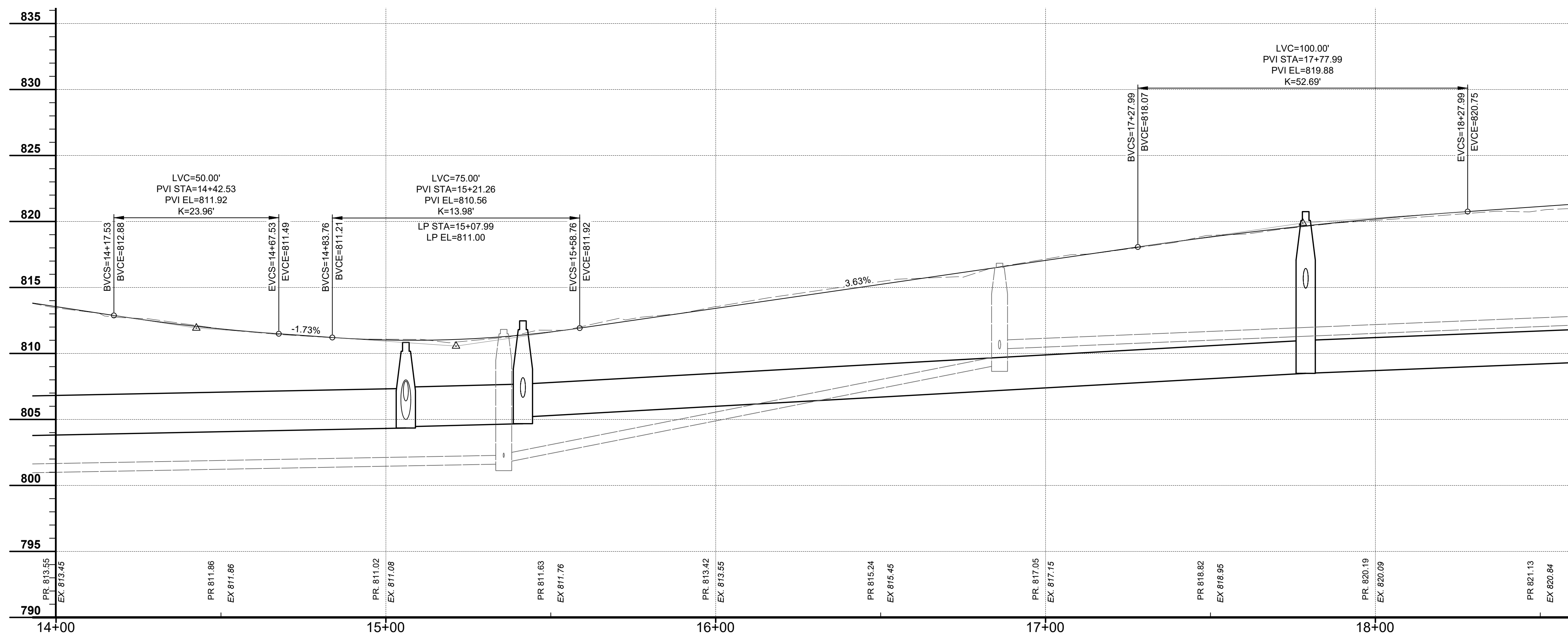
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- CONSTRUCTION NOTES**
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 - 4 INSTALL DOUBLE GRATE INLET AND MOUNTABLE GRATE.
 - 5 INSTALL STORM MANHOLE
 - 6 INSTALL PROPOSED HEADWALL FOR 48" DIAMETER PIPE. CONSTRUCT OUTLET EROSION PROTECTION PER SD1 DETAIL SHEET 4.
 - 7 CONNECT EXISTING PIPE TO PROPOSED STORM STRUCTURE
 - 8 CONNECT PROPOSED PIPE TO EXISTING STORM STRUCTURE. CORE DRILLING INCLUDED AS NEEDED.
 - 9 CONSTRUCT CATCH BASIN. SEE SIZE PER PROFILE DESCRIPTION
 - 10 INSTALL TRANSVERSE UNDERDRAIN PER DETAIL (SHEET 3). CONNECT TO PROPOSED EDGE DRAIN.
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 - 17 CONNECT EXISTING DOWNSPOUT TO COLLECTOR LINE. CONTRACTOR TO CONFIRM ACTUAL LOCATION IN THE FIELD WITH CITY ENGINEER. INSTALL CLEANOUT PER DETAIL.
 - 18 CONTRACTOR TO POT HOLE THE EXISTING 36" STORM PIPE AND CONFIRM EXISTING INLET ELEVATION PRIOR TO STORM CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF RESULTS PRIOR TO BEGINNING STORM CONSTRUCTION.
 - 19 CONTRACTOR TO PROTECT AND SUPPORT THE EXISTING SANITARY SEWER PIPE AS NEEDED FOR THE CONSTRUCTION OF THE STORM PIPE. BY PASS PUMPING OF THE SANITARY SEWER FLOWS WILL BE REQUIRED IF IT IS NECESSARY TO REMOVE AND REPLACE THE EXISTING SANITARY LINES FOR THE CONSTRUCTION OF THE PIPE. COST FOR ALL WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR THESE ITEMS.
 - 20 TEMPORARY SHORINGS SHALL BE USED WHENEVER THE BOTTOMS OF THE TRENCH EXCAVATIONS WILL BE WITHIN 1 H : 1 V OUTWARD AND DOWNWARD PROJECTIONS FROM OUTSIDE EDGE OF FOUNDATIONS OF EXISTING STRUCTURES OR EXISTING UTILITIES OR INFRASTRUCTURE. PRECONSTRUCTION AND POST CONSTRUCTION SURVEYS OF STRUCTURES AND INFRASTRUCTURES WITHIN 50 FEET OF THE PROPOSED SEWER ALIGNMENT SHALL BE COMPLETED AND VIBRATION MONITORING SHALL BE COMPLETED WHEN EXCAVATION AND BACKFILLING NEAR STRUCTURES ALONG WITH PERIODIC MONITORING. AREAS WITHIN THE ZONES OF INFLUENCE OF EXISTING STRUCTURES, INCLUDING UP TO BASEMENT ELEVATIONS BETWEEN THE HOUSES AT 749 BONNIE DRIVE, 718, 746 & 748 VINCENT DRIVE SHALL BE BACKFILLED WITH FLOWABLE FILL.
 - 21 GRADE YARD AREA PER TYPICAL SECTION TO PROVIDE AN EMERGENCY OVERLAND FLOOD ROUTE BETWEEN HOUSE #718 VINCENT AND THE ROCK WALL AT #716 VINCENT DRIVE TO VINCENT DRIVE.

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	06/14/2025			
SCALE:	AS NOTED			
DESIGNED BY:	DGAR			
DRAWN BY:	DGAR			
CHECKED BY:	JSHU			

**VINCENT DRIVE
 DRAINAGE AND ROADWAY
 IMPROVEMENTS
 - THE CITY OF TAYLOR MILL, KY -
 ROAD PNP SHEET
 STA: 14+00 TO 18+50**

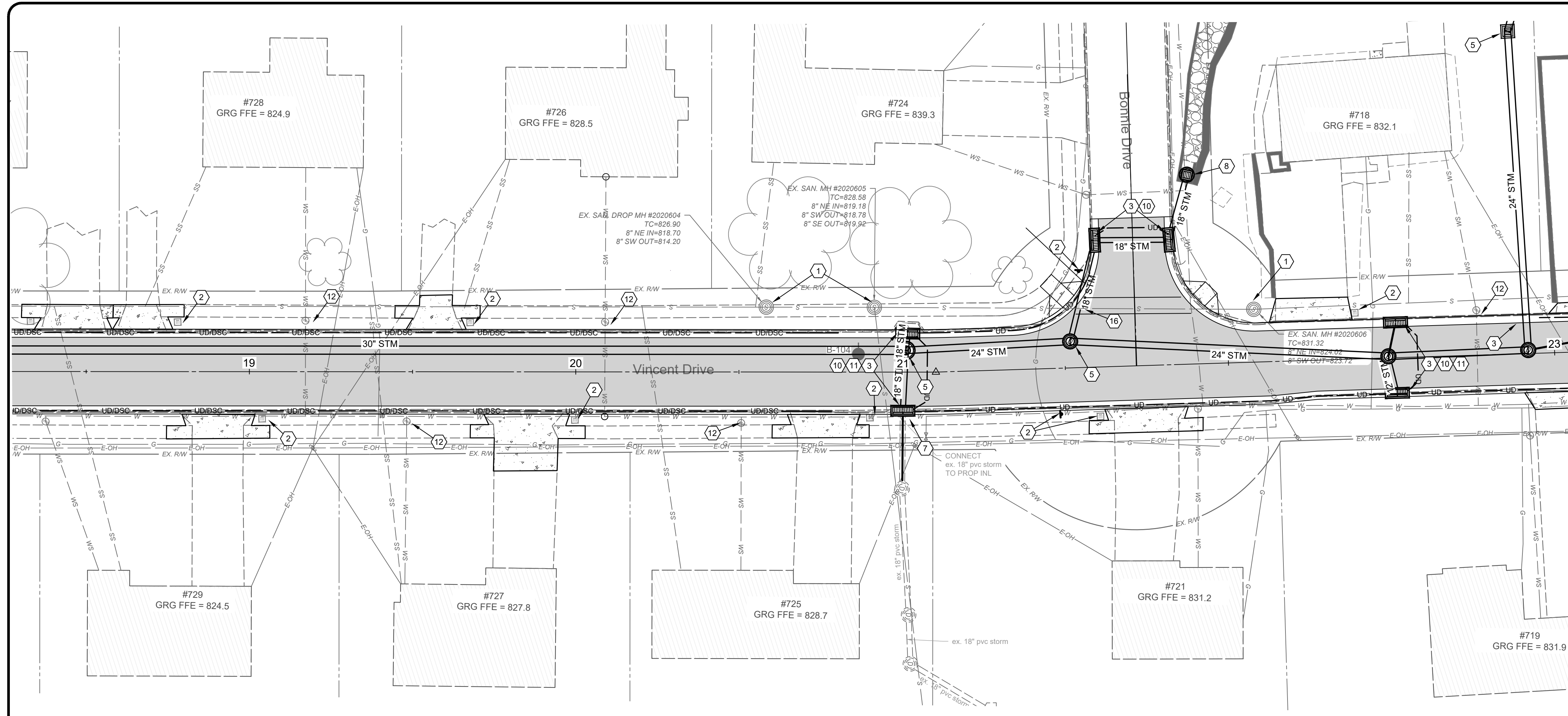
PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	ROAD PNP 2
SHEET	18
OF	21



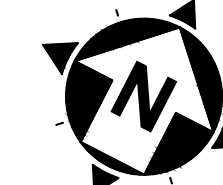
HATCH LEGEND

[Hatched pattern]	8" PROPOSED PAVEMENT REPLACEMENT WITH GRANULAR BASE - SEE TYPICAL SECTIONS
[Dotted pattern]	6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
[Cross-hatched pattern]	4" CONCRETE WALK REPLACEMENT - SEE DETAIL SHEET
[Diagonal line pattern]	ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET

Z:\PROJECT FILES\BA-T2\TAYLORMILL\34158 - VINCENT DRIVE DRAINAGE AND ROADWAY IMPROVEMENTS\BASE\34158_C.P.BASE.ROAD.DWG - ROAD 2 - 5/11/2025 2:20:06 PM - DAVE GARNETT



0' 20' 40'
 22"x34" SCALE: 1" = 20'
 11"x17" SCALE: 1" = 40'



CONSTRUCTION NOTES

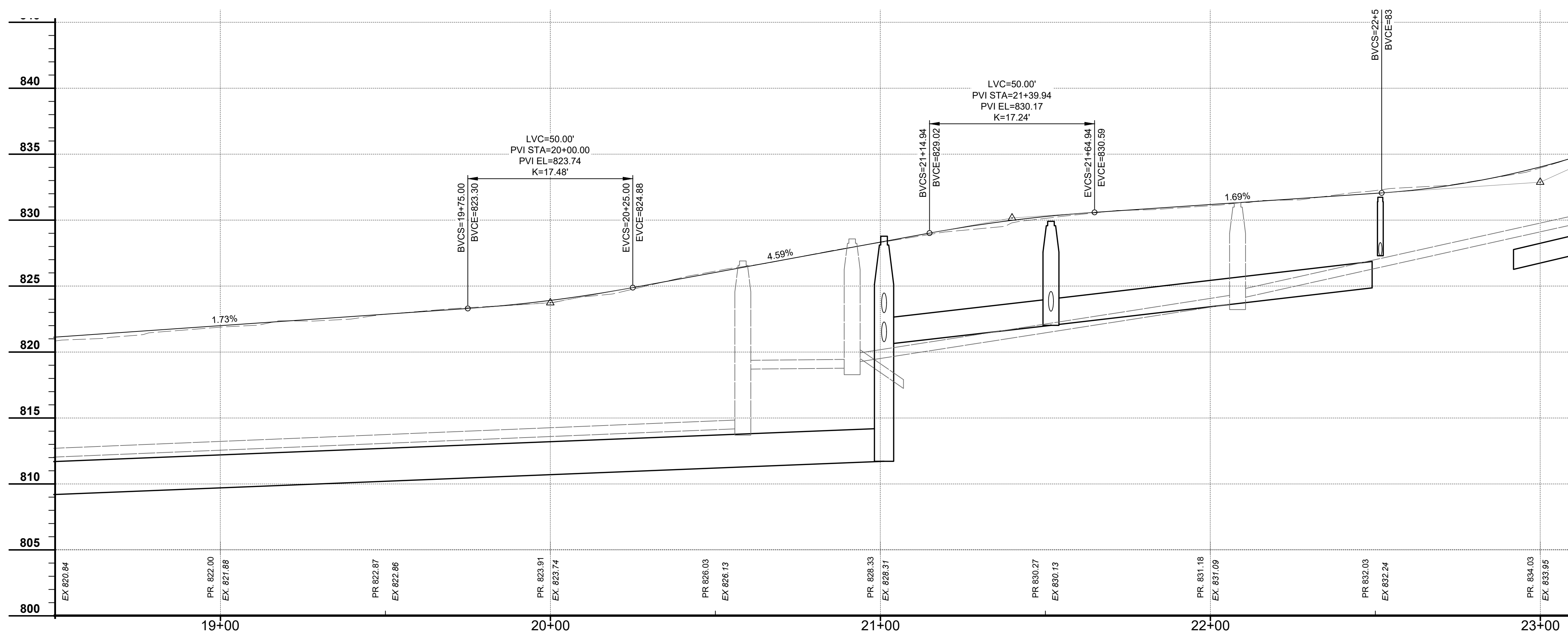
- 1 DO NOT DISTURB
- 2 REMOVE, SALVAGE, & REINSTALL/RELOCATE EXIST. SIGN OR MAILBOX (INCIDENTAL TO ITEM 202 - CLEARING AND GRUBBING)
- 3 INSTALL STANDARD DOUBLE GRATE CURB INLET PER DETAIL. CONNECT TO EXISTING PIPE OR PROPOSED PIPE AS SHOWN ON PLAN.
- 4 INSTALL DOUBLE GRATE INLET AND MOUNTABLE GRATE.
- 5 INSTALL STORM MANHOLE
- 6 INSTALL PROPOSED HEADWALL FOR 48" DIAMETER PIPE. CONSTRUCT OUTLET EROSION PROTECTION PER SD1 DETAIL SHEET 4.
- 7 CONNECT EXISTING PIPE TO PROPOSED STORM STRUCTURE
- 8 CONNECT PROPOSED PIPE TO EXISTING STORM STRUCTURE. CORE DRILLING INCLUDED AS NEEDED.
- 9 CONSTRUCT CATCH BASIN. SEE SIZE PER PROFILE DESCRIPTION
- 10 INSTALL TRANSVERSE UNDERDRAIN PER DETAIL (SHEET 3). CONNECT TO PROPOSED EDGE DRAIN.
- 11 CONNECT PROP. UNDERDRAIN TO CURB INLET (INCIDENTAL TO UNDERDRAIN ITEM)
- 12 ADJUST WATER VALVE OR METER TO FINISHED GRADE
- 13 ADJUST SANITARY MANHOLE TO GRADE PER SD1 SPECIFICATIONS
- 14 RECONSTRUCT EXISTING ROCK CHANNEL AND WALL AS NEEDED. (CONSTRUCT IN KIND)
- 15 TRANSITION TO MATCH EXISTING CURB AND/OR SIDEWALK OVER 4 FEET.
- 16 CONTRACTOR TO EXPOSE UTILITY PRIOR TO CONSTRUCTION TO DETERMINE ACTUAL LOCATION AND ELEV. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS (INCIDENTAL TO CONTRACT)
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- 21 GRADE YARD AREA PER TYPICAL SECTION TO PROVIDE AN EMERGENCY OVERLAND FLOOD ROUTE BETWEEN HOUSE #718 VINCENT AND THE ROCK WALL AT #716 VINCENT DRIVE TO VINCENT DRIVE.

HATCH LEGEND

- 8" PROPOSED PAVEMENT REPLACEMENT WITH GRANULAR BASE - SEE TYPICAL SECTIONS
- 6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
- 4" CONCRETE WALK REPLACEMENT - SEE DETAIL SHEET
- ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET

GEOTECHNICAL NOTES

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY TERRACON DATED DECEMBER 5, 2024 AND ANY SUBSEQUENT REVISIONS
2. TEMPORARY SHORINGS SHALL BE USED WHENEVER THE BOTTOMS OF THE TRENCH EXCAVATIONS WILL BE WITHIN 1 H : 1 V OUTWARD AND DOWNWARD PROJECTIONS FROM OUTSIDE EDGE OF FOUNDATIONS OF EXISTING STRUCTURES OR EXISTING UTILITIES OR INFRASTRUCTURE WITHIN 50 FEET OF THE PROPOSED SEWER ALIGNMENT. PRECONSTRUCTION AND POST CONSTRUCTION SURVEYS OF STRUCTURES AND INFRASTRUCTURES SHALL BE COMPLETED AND VIBRATION MONITORING SHALL BE COMPLETED WHEN EXCAVATION AND BACKFILLING NEAR STRUCTURES ALONG WITH PERIODIC MONITORING. AREAS WITHIN THE ZONES OF INFLUENCE OF EXISTING STRUCTURES, INCLUDING UP TO BASEMENT ELEVATIONS BETWEEN THE HOUSES AT 749 BONNIE DRIVE, 718, 746 & 748 VINCENT DRIVE SHALL BE BACKFILLED WITH FLOWABLE FILL.



PRELIMINARY

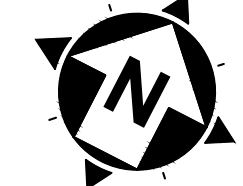
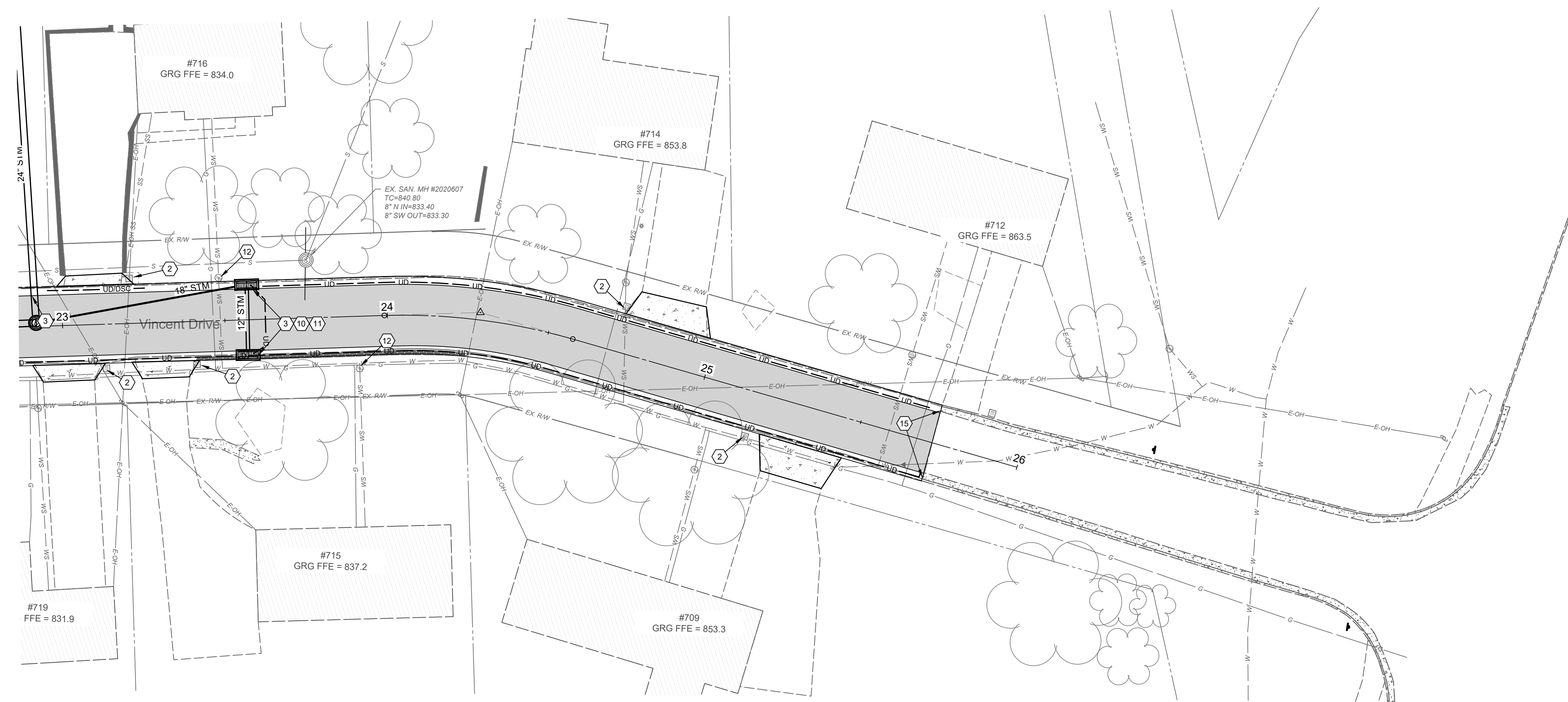
verdantas

2161 CHAMBER CENTER DRIVE
 FORT MITCHELL, KENTUCKY 41017
 TEL: (859) 625-0544
 WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	06/14/2025			
SCALE:	AS NOTED			
DESIGNED BY:	DGAR			
DRAWN BY:	DGAR			
CHECKED BY:	JSHU			

**VINCENT DRIVE
 DRAINAGE AND ROADWAY
 IMPROVEMENTS
 - THE CITY OF TAYLOR MILL, KY -
 ROAD PNP SHEET
 STA: 18+50 TO 23+00**

PROJECT NO:	34158
DISCIPLINE:	CIVIL
SHEET NAME:	ROAD PNP 3
SHEET OF:	19 OF 21

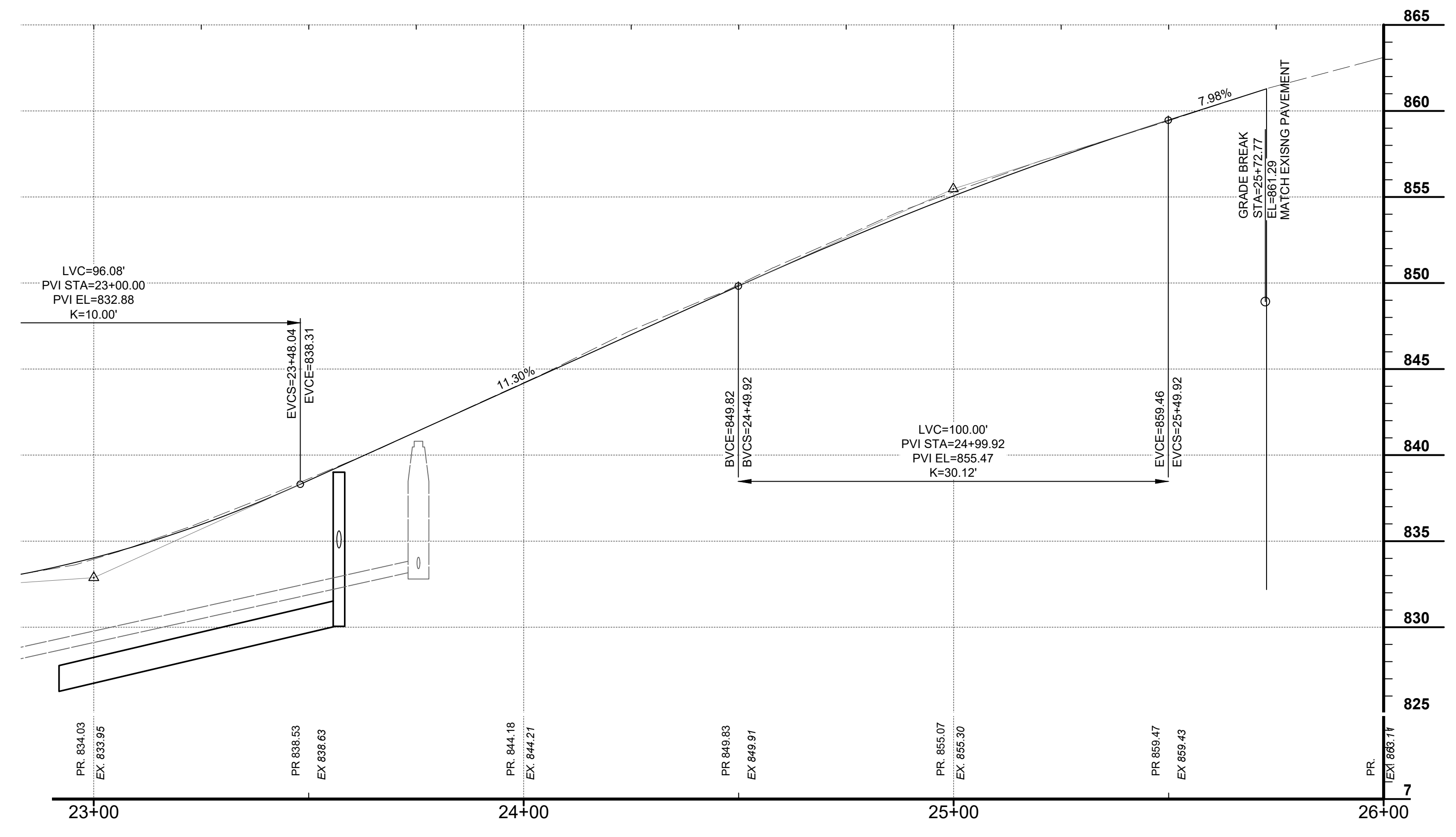


CONSTRUCTION NOTES

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HATCH LEGEND

- 8" PROPOSED PAVEMENT REPLACEMENT WITH GRANULAR BASE - SEE TYPICAL SECTIONS
- 6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
- 4" CONCRETE WALK REPLACEMENT - SEE DETAIL SHEET
- ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET



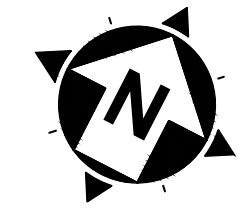
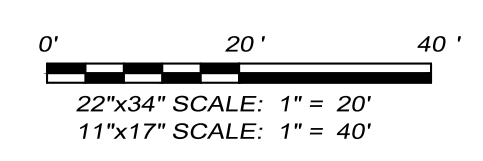
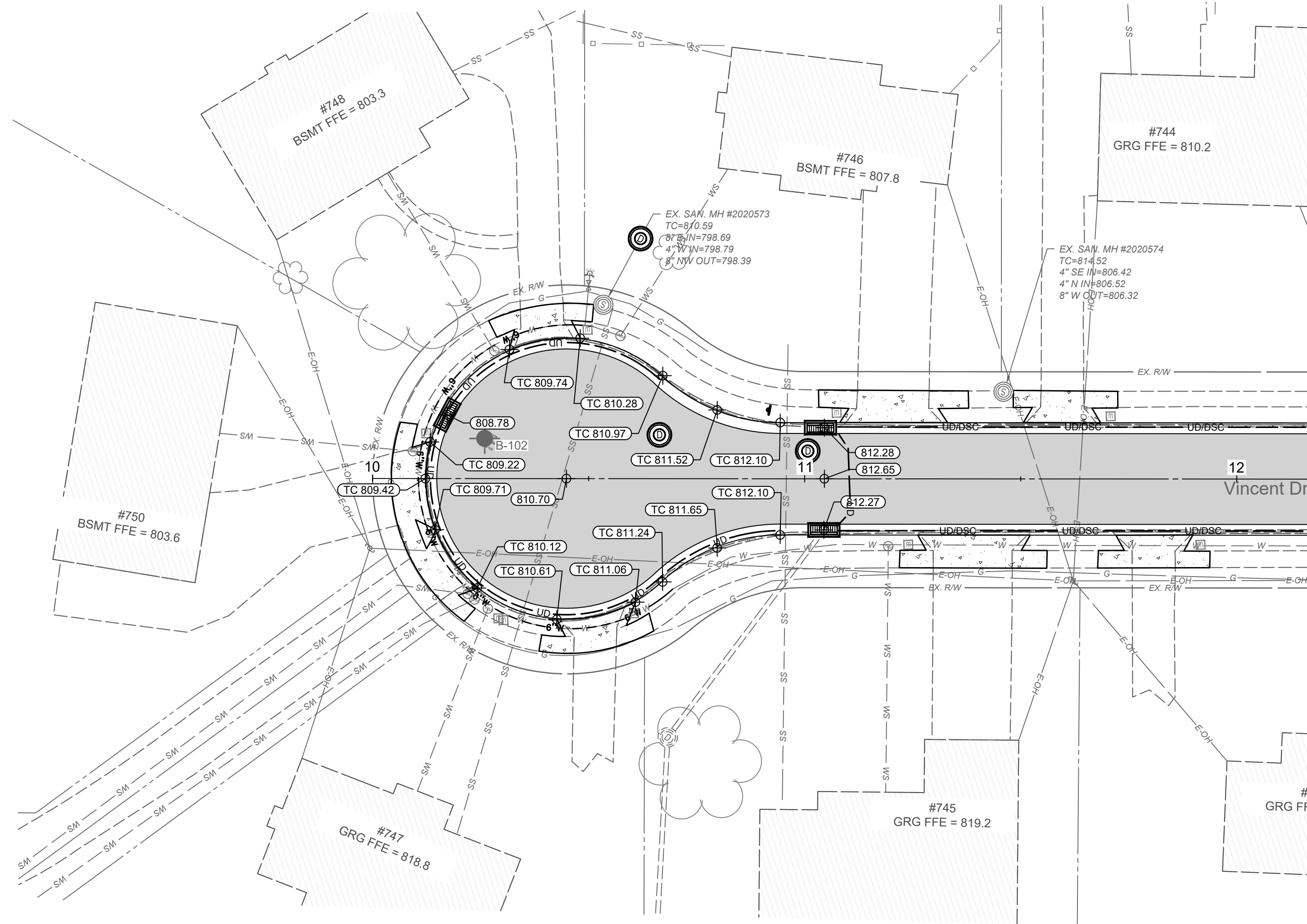
PRELIMINARY



ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE: 05/14/2025	AS NOTED			
SCALE:	DESIGNED BY: DGAR			
	DRAWN BY: DGAR			
	CHECKED BY: JSHU			

**VINCENT DRIVE
DRAINAGE AND ROADWAY
IMPROVEMENTS
- THE CITY OF TAYLOR MILL, KY -
ROAD PNP SHEET
STA: 23+00 TO 26+00**

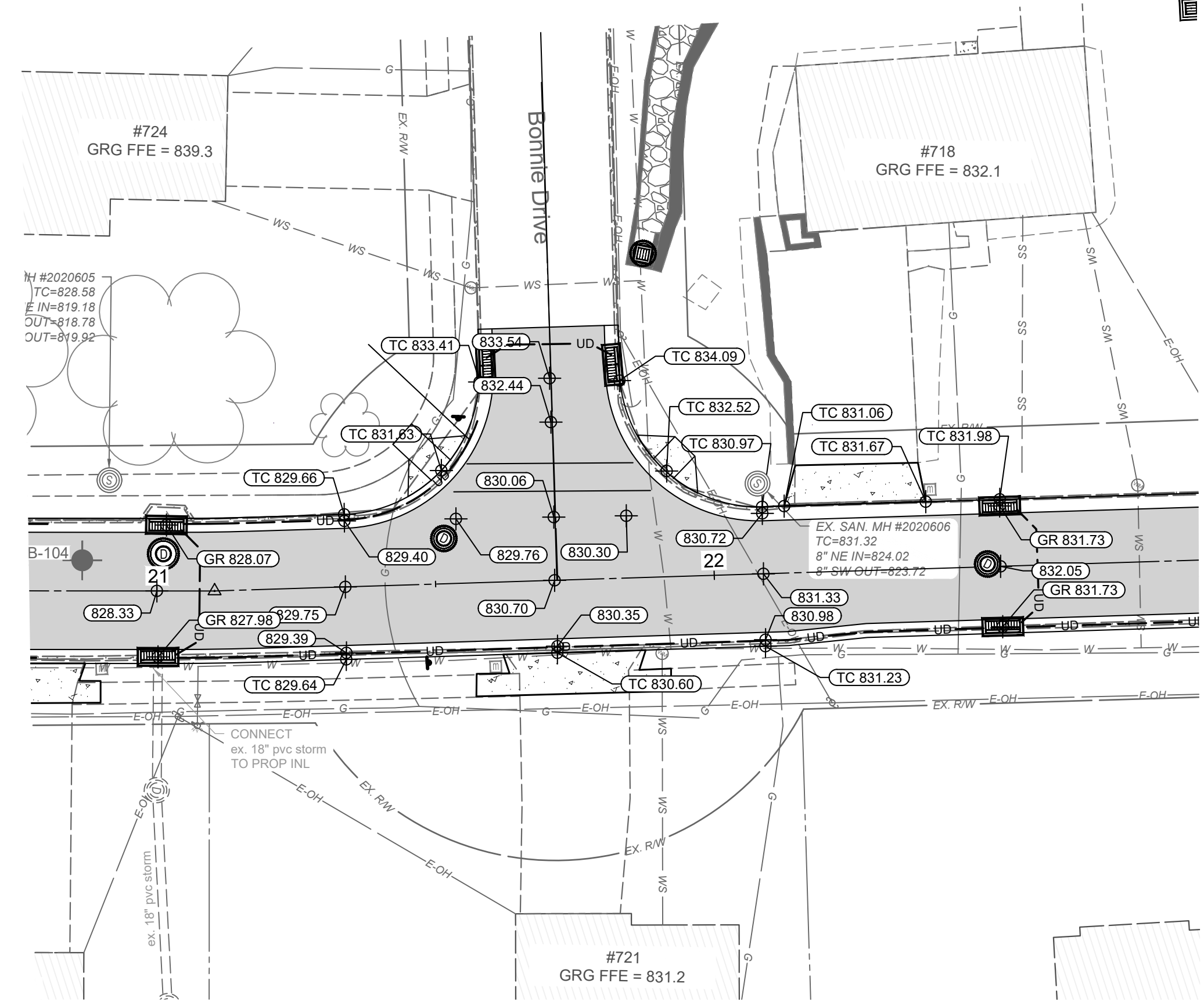
PROJECT NO:	34158
DISCIPLINE:	CIVIL
SHEET NAME:	ROAD PNP 4
SHEET OF:	20 OF 21



PRELIMINARY

verdantas
 2161 CHAMBER CENTER DRIVE
 FORT MITCHELL, KENTUCKY 41017
 TEL: (859) 525-0544
 WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	06/14/2025			
SCALE:	AS NOTED			
DESIGNED BY:	DGAR			
DRAWN BY:	DGAR			
CHECKED BY:	JSHU			



GRADING LEGEND	
EXISTING SPOT ELEVATION	EX 232.46
PROPOSED SPOT ELEVATION	TC 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	←

**VINCENT DRIVE
 DRAINAGE AND ROADWAY
 IMPROVEMENTS
 - THE CITY OF TAYLOR MILL, KY -
 INTERSECTION DETAIL SHEET**

PROJECT NO.	34158
DISCIPLINE	CIVIL
SHEET NAME	INT DET
SHEET	21
OF	21