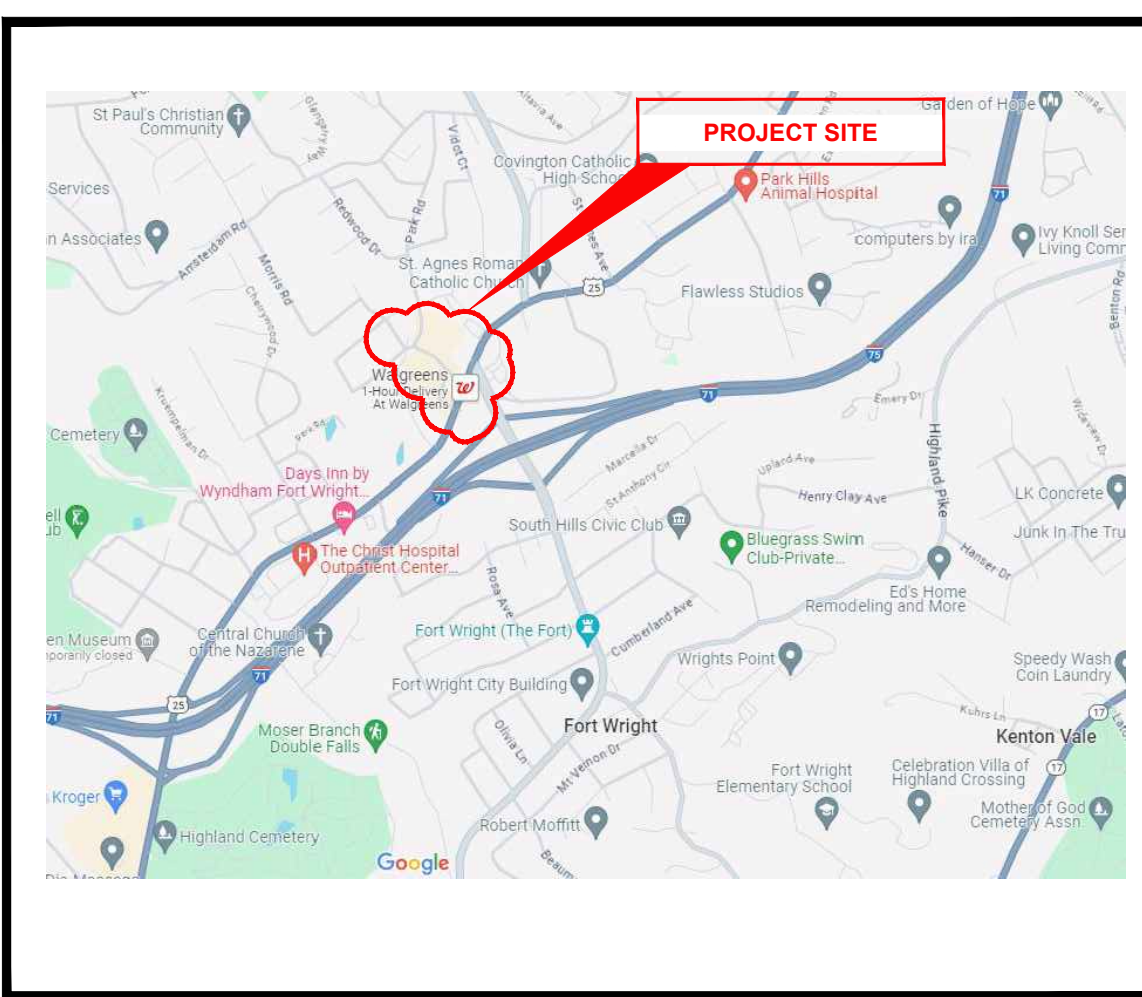


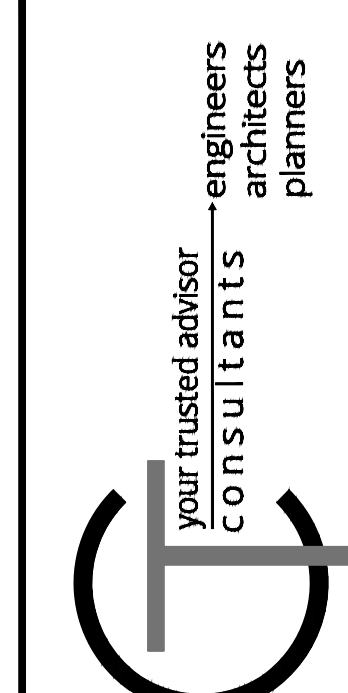
GEORGE HUSER DRIVE SIDEWALK RECONSTRUCTION AND DRAINAGE REPAIR CITY OF FORT WRIGHT KENTON COUNTY, KENTUCKY

| INDEX OF SHEETS | | |
|-----------------|----------|-----------------------|
| NO. | DWG NAME | SHEET NAME |
| C1 | TTL | TITLE |
| C2 | NOTES | NOTES & LEGEND |
| C3 | DET1 | DETAILS 1 |
| C4 | SITE | SITE LAYOUT PLAN |
| C5 | GRAD | CONTOUR GRADING PLAN |
| C6 | XSEC1 | CROSS SECTION SHEET 1 |
| C7 | XSEC2 | CROSS SECTION SHEET 2 |
| C8 | XSEC3 | CROSS SECTION SHEET 3 |
| | | |
| | | |
| | | |
| | | |



VICINITY MAP

JOB #232166

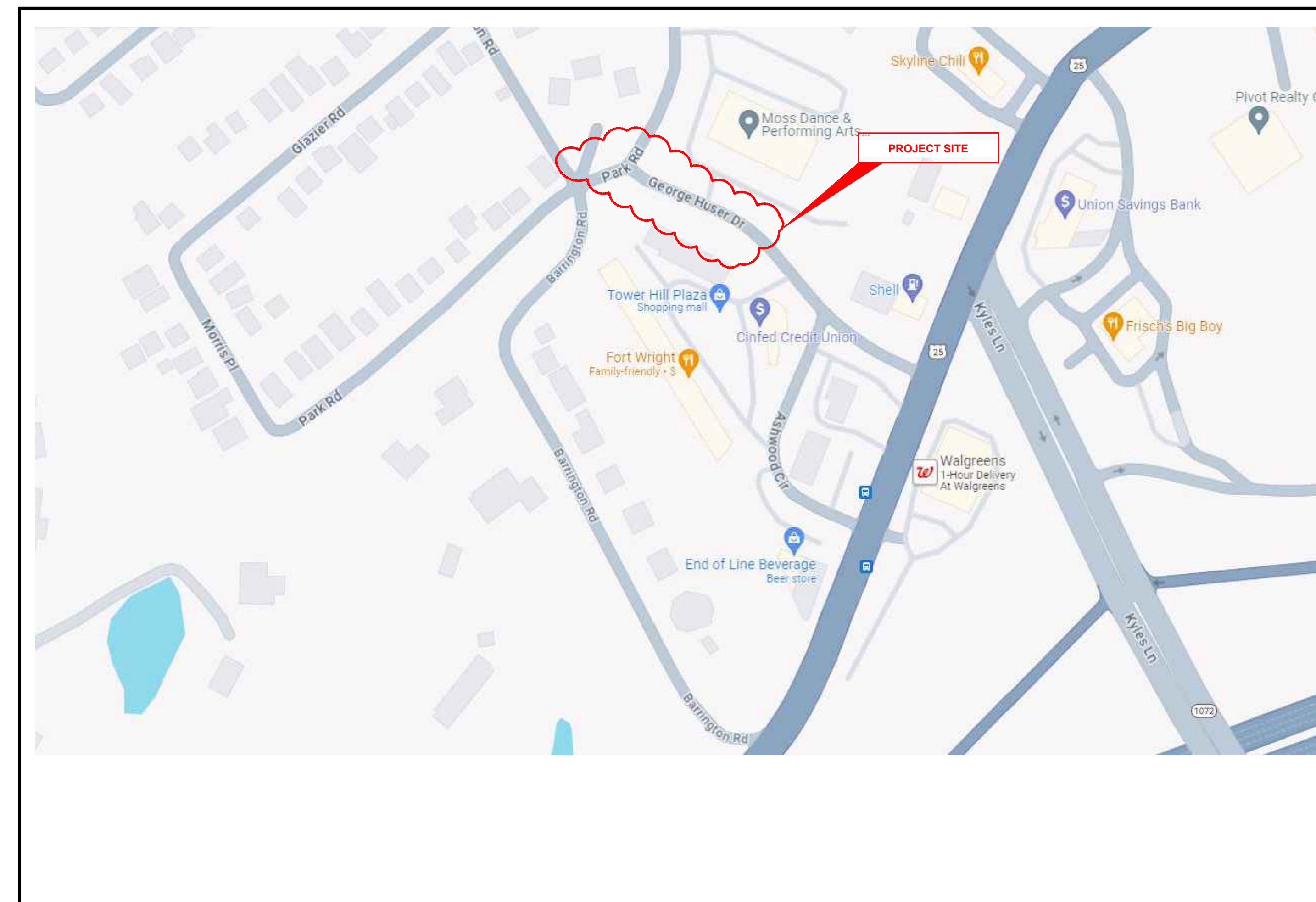


| DATE | REVISION | NO | BID | ISSUED FOR: | ISSUE DATE: | SCALE: | DESIGNED BY: | DRAWN BY: | CHECKED BY: |
|------|----------|----|---------|-------------|-------------|--------|--------------|-----------|-------------|
| | | | 3/14/24 | AS SHOWN | | | | | |

**GEORGE HUSER DRIVE
SIDEWALK RECONSTRUCTION
AND DRAINAGE REPAIR
- KENTON COUNTY, KENTUCKY -**

TITLE SHEET

| | |
|-------------|--------|
| PROJECT NO. | 232166 |
| DISCIPLINE | CIVIL |
| SHEET NAME | C1 |
| SHEET | 1 |
| OF | 8 |



SITE MAP

| PROJECT CONTACTS | |
|-----------------------|--|
| SITE ENGINEER | CT CONSULTANTS 2161 CHAMBER CENTER DRIVE FORT MITCHELL, KENTUCKY 41017 589-525-0544 |
| CITY OFFICIALS | <p>MAYOR DAVE HATTER</p> <p>COUNCIL MEMBERS DAVE ABELN JASON COLLINS SCOTT WALL JAY WEBER BERNIE WESSELS MARGIE WITT</p> <p>CITY ADMINISTRATIVE OFFICER JILL GAIN BAILEY</p> <p>CITY CLERK MAURA RUSSELL</p> <p>CITY ATTORNEY TIMOTHY THEISSEN</p> <p>PUBLIC WORKS DIRECTOR JEFF BETHELL</p> |

PROJECT SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE KENTUCKY DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO, AND THE CITY OF FORT WRIGHT ENGINEERING DEPARTMENT SHALL GOVERN THIS PROJECT.

SOURCE OF BOUNDARY INFORMATION

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



GENERAL NOTES

- 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.
- 2. THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER OR THEIR REPRESENTATIVE. ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.
- 3. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY FOR ALL REQUIRED TESTING.
- 4. NO GEOTECHNICAL ENGINEERING REPORT WAS PREPARED FOR THIS PROJECT.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT STAKING INCLUDING HORIZONTAL AND VERTICAL CONTROL. ANY DISCREPANCIES DISCOVERED IN THE PLAN INFORMATION, OR BETWEEN THE PLAN AND ELECTRONIC DATA SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER SO THE APPROPRIATE ADJUSTMENTS MAY BE MADE.
- 6. ALL WORK SHALL BE LIMITED TO THE PROPERTIES AND EASEMENTS IDENTIFIED ON THE PLANS. ANY WORK WITHIN THE PUBLIC RIGHT OF WAY IS SUBJECT TO INSPECTIONS AND ENCROACHMENT PERMITS FROM THE JURISDICTION HAVING AUTHORITY OVER THE RIGHT-OF-WAY. REQUIREMENTS OF SUCH PERMITS ARE INCORPORATED INTO THESE DOCUMENTS BY REFERENCE.
- 7. ANY DEFECTS IN CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE OWNER WITH NO ADDITIONAL COMPENSATION.
- 8. CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS FOR REVIEW AND APPROVAL BY THE ARCHITECT THAT WILL INDICATE EQUIPMENT STAGING AREAS, STOCKPILE LOCATION AND SANITATION FACILITIES.
- 9. 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.
- 10. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
- 11. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL KENTON COUNTY AND THE CITY OF FORT WRIGHT PERMITS HAVE BEEN ISSUED AS REQUIRE.
- 12. APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING ETC. SHALL BE ERRECTED AROUND THE CONSTRUCTION AREA DURING NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL.
- 13. ANY EXISTING ROADWAY, LAWN, CURB, SIDEWALK OR OTHER APPURTENANCE DISTURBED DURING CONSTRUCTION NOT DESIGNATED FOR REMOVAL OR REPLACEMENT SHALL BE RESTORED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE.
- 14. ANY TEMPORARY UTILITY REQUIRED BY THE CONTRACTOR (ELECTRIC, WATER ETC.) SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
- 15. THE CONTRACTOR SHALL PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES, REFERENCE POINTS, STAKES AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE THE CONTRACTOR SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE. BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.
- 16. ALL PROPOSED CONCRETE PAVEMENT ABUTTING EXISTING PAVEMENT SHALL BE DOWELED INTO EXISTING CONCRETE PAVEMENT USING A 1/2" DEFORMED DOWEL WITH 9" MINIMUM EMBEDMENT.
- 17. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AND CONSTRAINTS OF THE SITE.
- 19. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

ACCESSIBILITY NOTES

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

UTILITY NOTES

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

STORM & SANITARY NOTES

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

WATER NOTES

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

GAS NOTES

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

ELECTRIC NOTES

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

MAINTENANCE OF TRAFFIC NOTES

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

GRADING AND EROSION CONTROL NOTES

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

EROSION CONTROL LEGEND

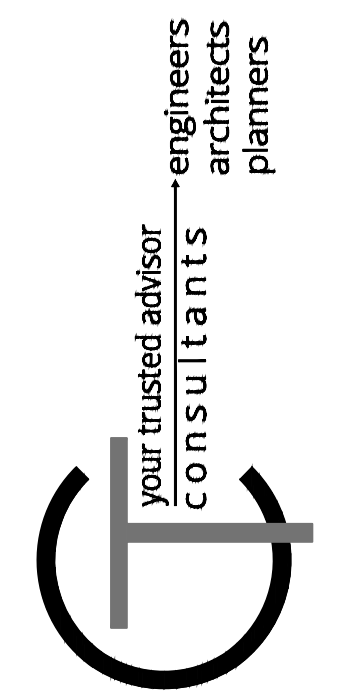
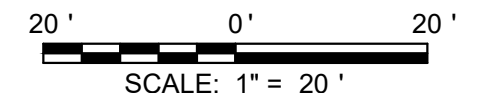
- IP INLET PROTECTION (SEE DETAIL)
- CD CHECK DAM
- CE CONSTRUCTION ENTRANCE
- WA CONCRETE WASHOUT
- RCP ROCK CHANNEL PROTECTION
- SDD SKIMMER DEWATERING DEVICE
- SF PROPOSED SILT FENCE

HATCH LEGEND

- CONCRETE CHANNEL INTEGRAL WITH CURB AND SIDEWALK - SEE DETAIL SHEET
- 4" CONCRETE WALK WITH INTEGRAL CURB - SEE DETAIL SHEET
- 1-1/2" MILL AND RESURFACE EXISTING PAVEMENT

SYMBOL LEGEND

Legend listing symbols for existing and proposed utilities, structures, and features. Includes symbols for gas lines, electric lines, water mains, storm sewers, roof drains, sanitary sewers, force mains, fiber optics, fences, contours, right of way, easements, guardrails, tree lines, flagpoles, mailboxes, signs, pedestals, pull boxes, ground lights, light poles, electric meters, manholes, gas meters, gas valves, utility poles, guy wires, anchors, sanitary manholes, cleanouts, storm manholes, catch basins, telephone manholes, fire hydrants, water meters, water valves, bushes/trees, survey benchmarks, and test boring locations.



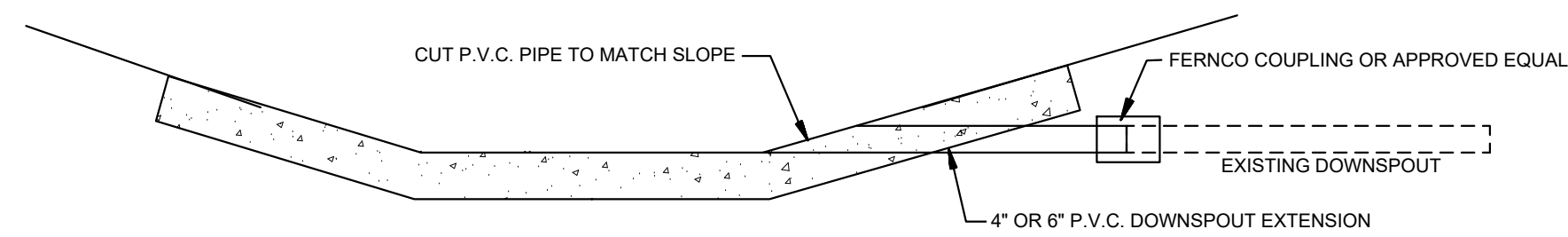
| NO | REVISION | DATE |
|----|----------|------|
| | | |

| BID | ISSUED FOR: | ISSUE DATE: | SCALE: | DESIGNED BY: | DRAWN BY: | CHECKED BY: |
|---------|-------------|-------------|--------|--------------|-----------|-------------|
| 3/14/24 | AS SHOWN | | | DGAR | DGAR | MHEL |

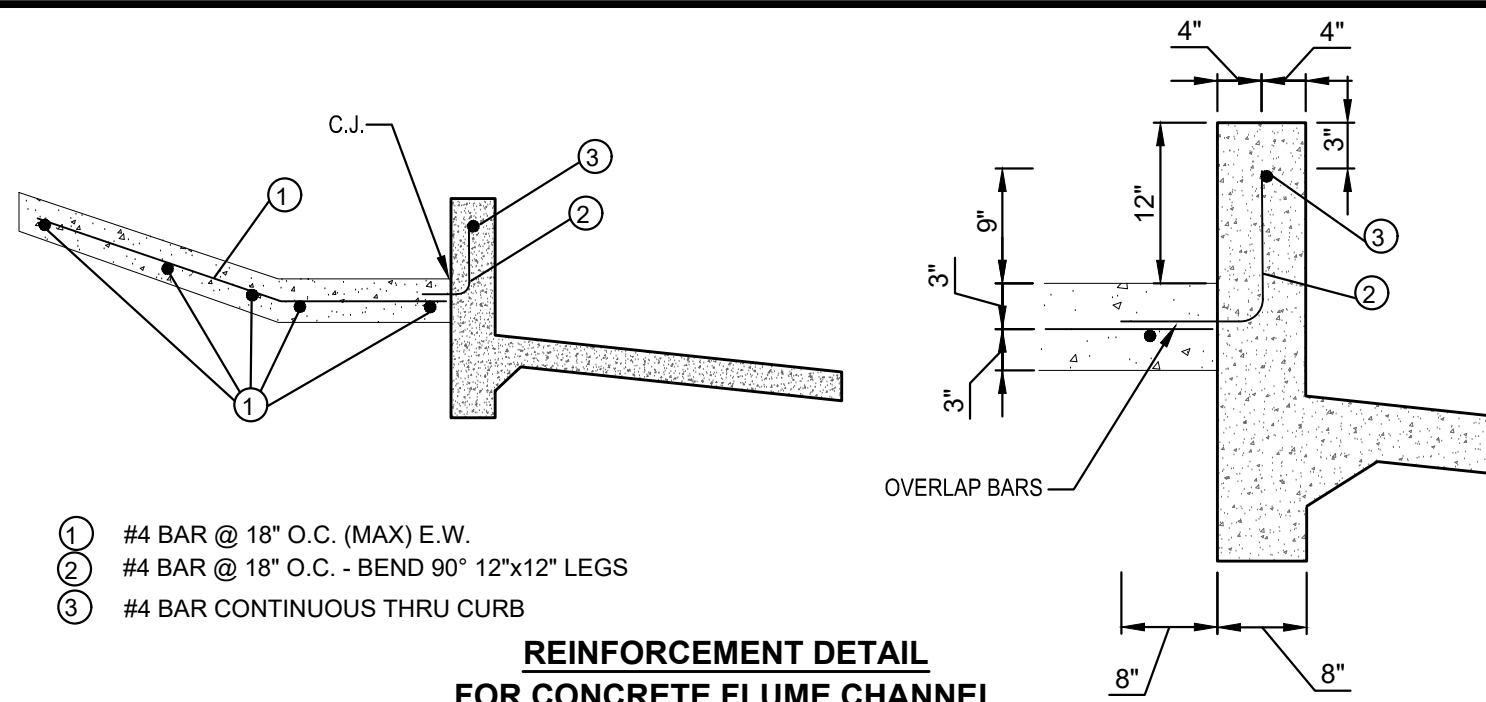
**GEORGE HUSER DRIVE
SIDEWALK RECONSTRUCTION
AND DRAINAGE REPAIR
- KENTON COUNTY, KENTUCKY -**

NOTES AND LEGEND SHEET

| | |
|-------------|--------|
| PROJECT NO. | 232166 |
| DISCIPLINE | CIVIL |
| SHEET NAME | C2 |
| SHEET | 2 |
| OF | 8 |

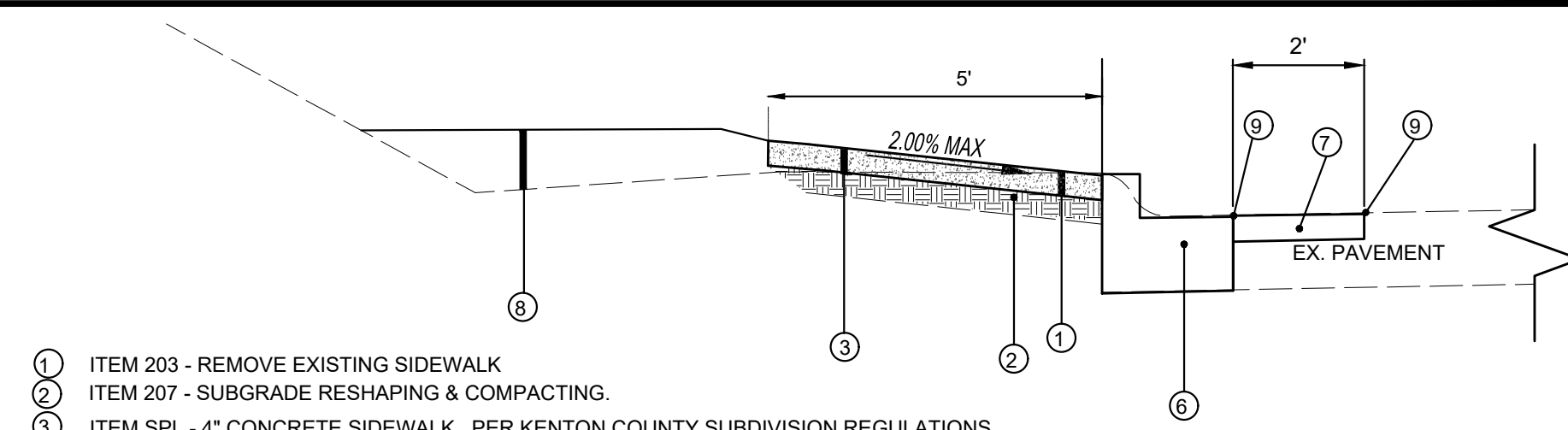


DOWNSPOUT EXTENSION INTO CONCRETE CHANNEL
N.T.S.



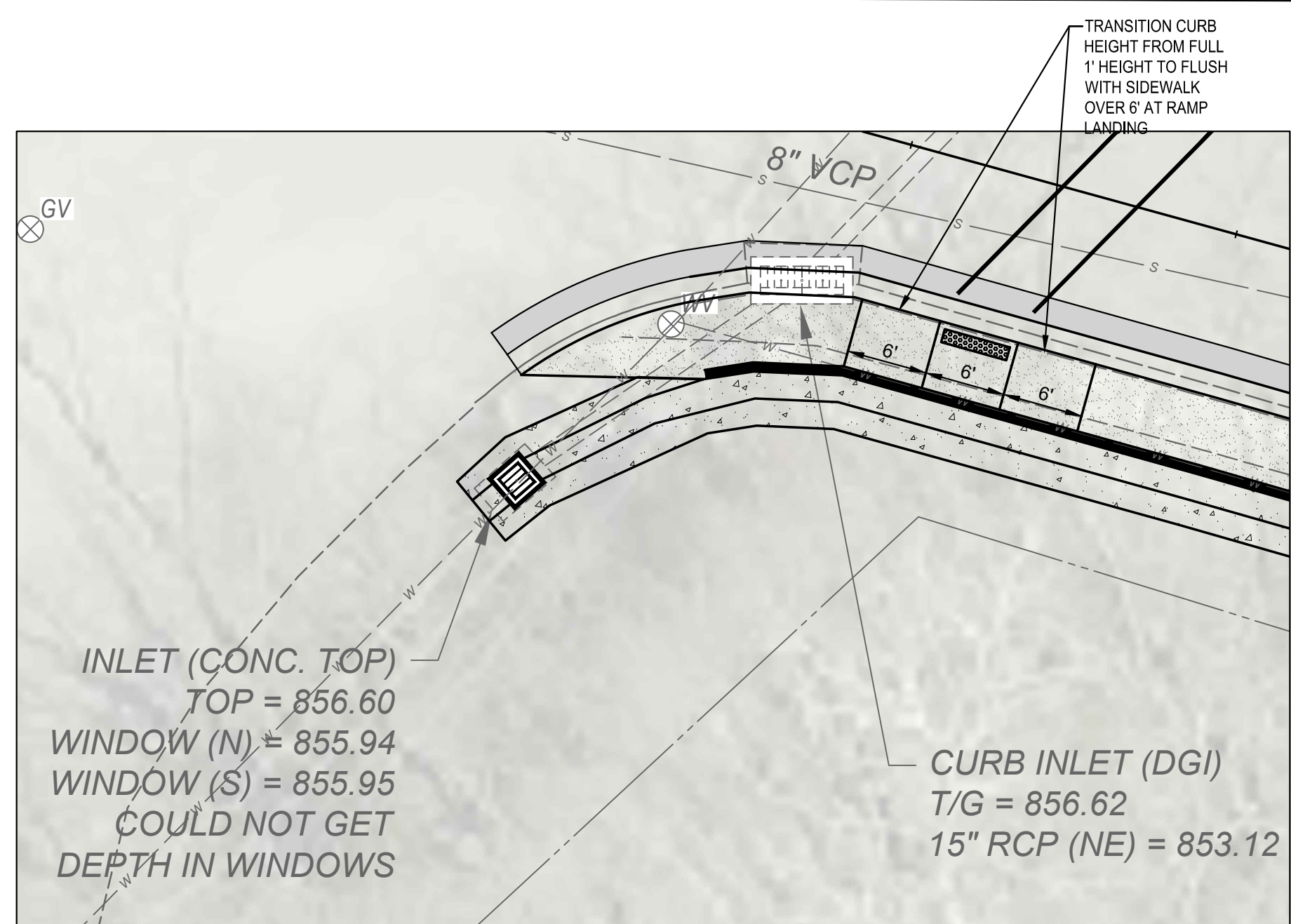
- ① #4 BAR @ 18" O.C. (MAX) E.W.
- ② #4 BAR @ 18" O.C. - BEND 90° 12"x12" LEGS
- ③ #4 BAR CONTINUOUS THRU CURB

REINFORCEMENT DETAIL FOR CONCRETE FLUME CHANNEL

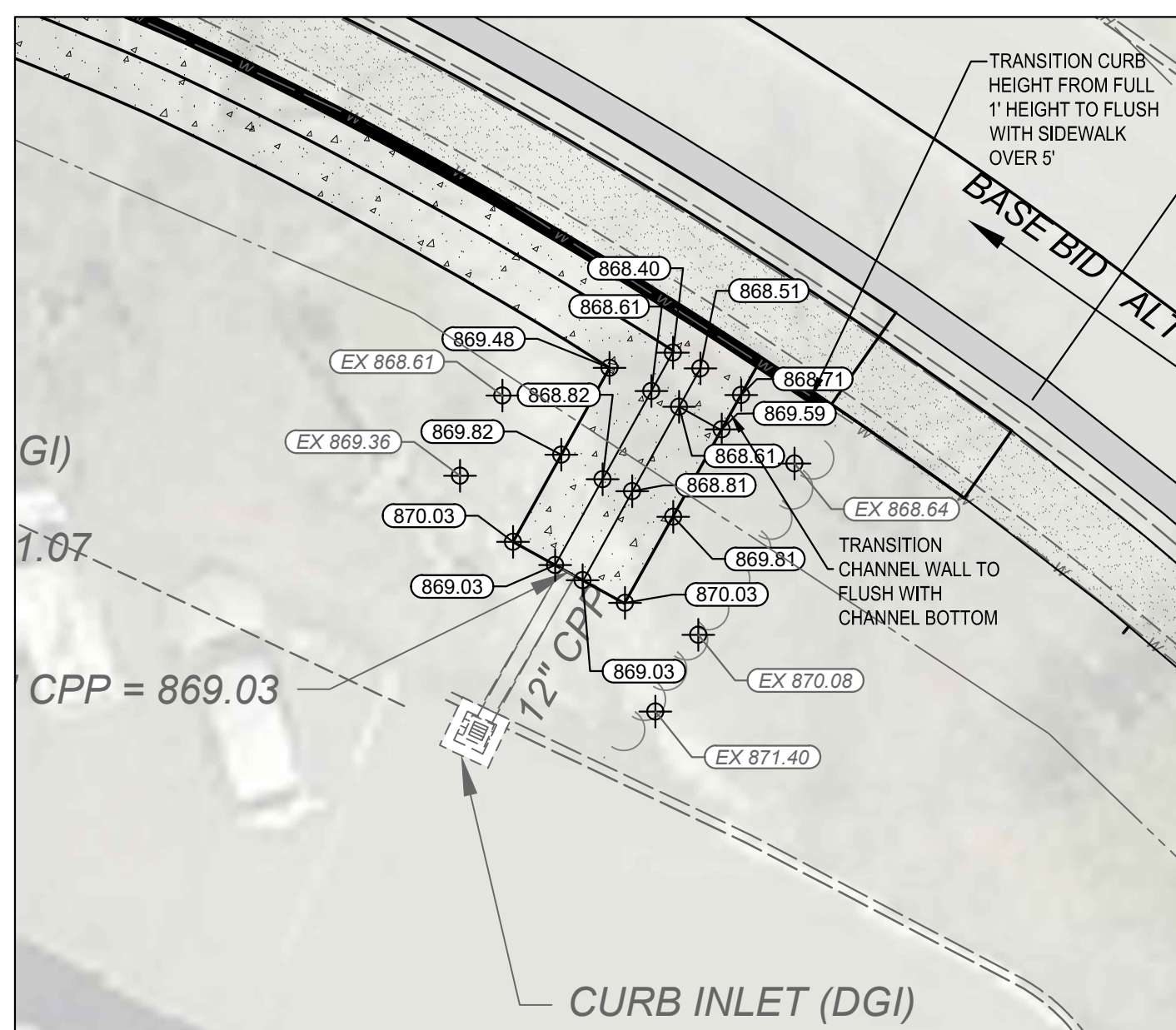


- ① ITEM 203 - REMOVE EXISTING SIDEWALK
- ② ITEM 207 - SUBGRADE RESHAPING & COMPACTING.
- ③ ITEM SPL - 4" CONCRETE SIDEWALK. PER KENTON COUNTY SUBDIVISION REGULATIONS.
- ④ NOT USED
- ⑤ NOT USED
- ⑥ ITEM SPL - CONCRETE VERTICAL CURB AND GUTTER
- ⑦ ITEM 402/408 MILL AND RESURFACE 1-1/2" TO MATCH CURB LINE.
- ⑧ ITEM SPL - YARD RESTORATION (4" TOPSOIL, SEED AND MULCH)
- ⑨ APPLY HOT ASPHALT SEALER (INCIDENTAL TO 402/408)
- ⑩ NOT USED

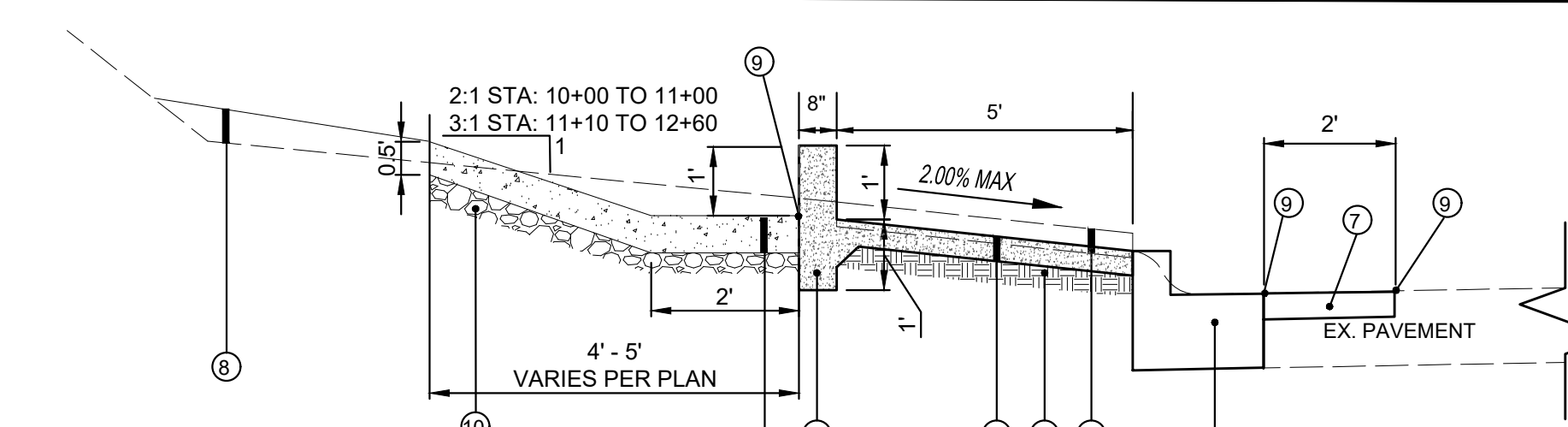
SIDEWALK, CURB & GUTTER AND NO WALL SECTION
STA: 12+48 TO END



CONCRETE CHANNEL @ STORM SEWER INLET DETAIL

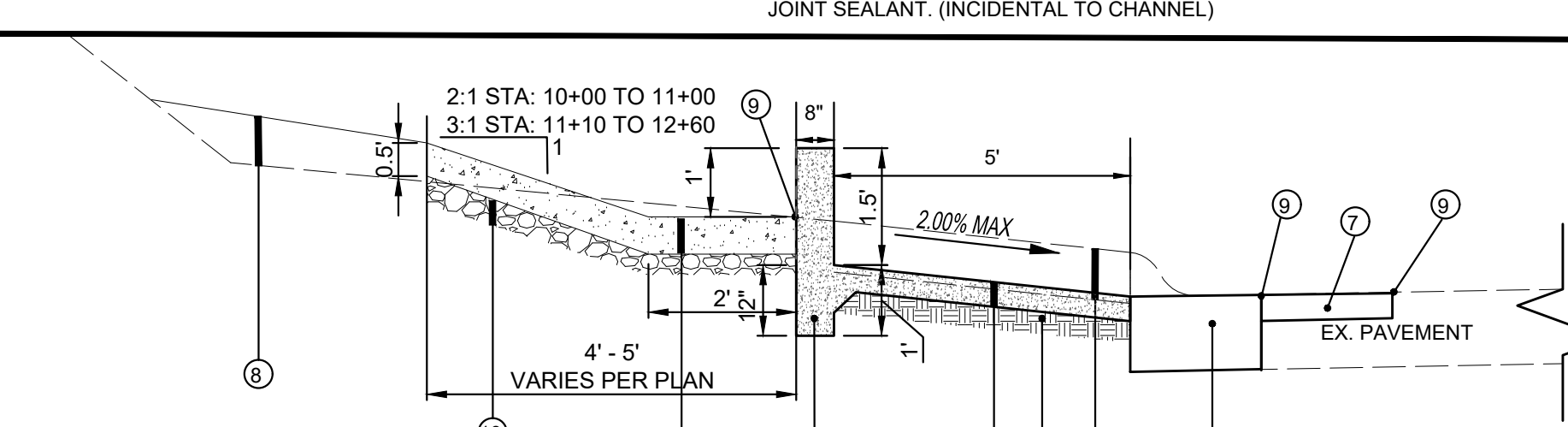


CONCRETE CHANNEL @ STORM SEWER CONNECTION DETAIL



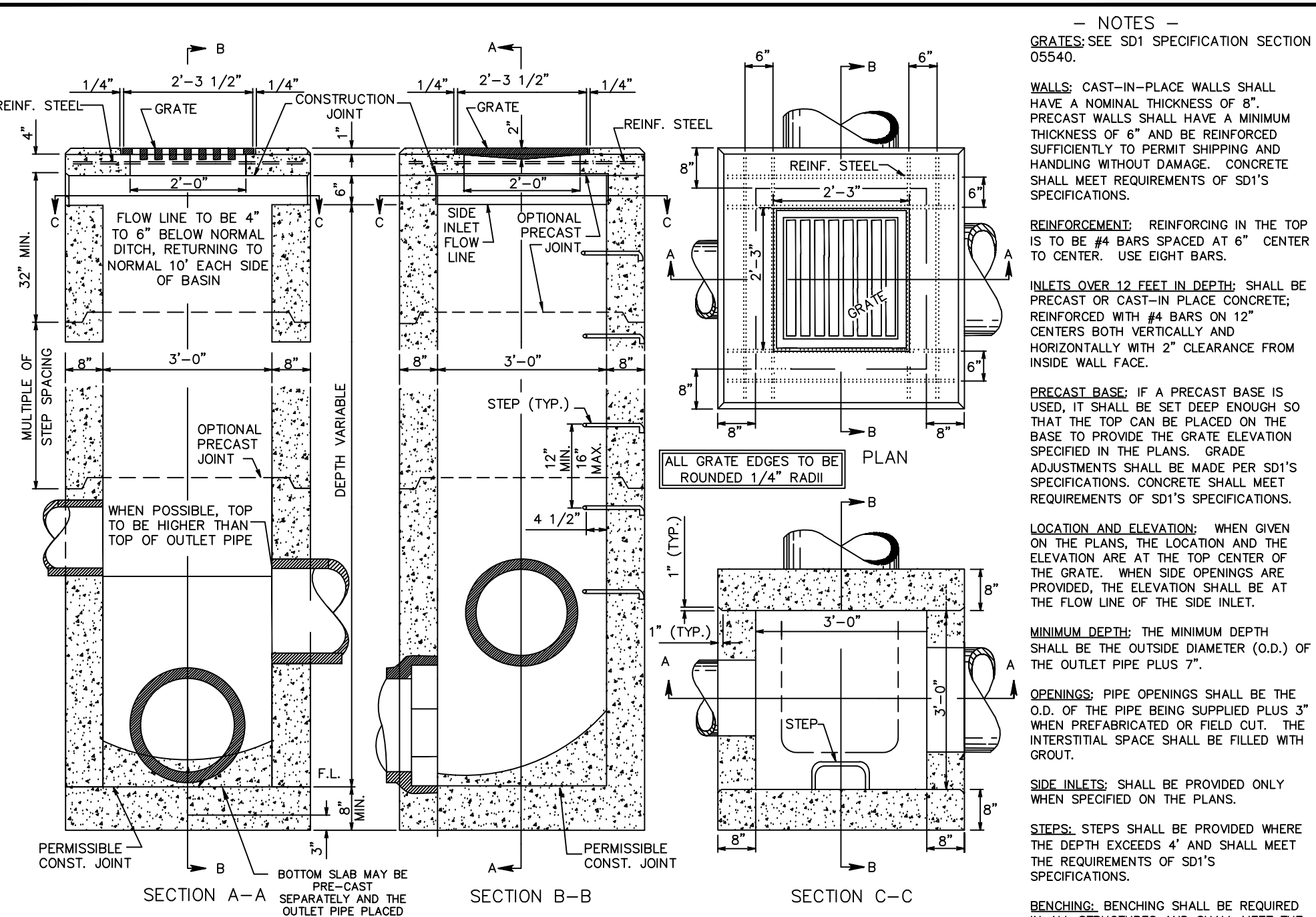
- ① ITEM 203 - REMOVE EXISTING SIDEWALK
- ② ITEM 207 - SUBGRADE RESHAPING & COMPACTING.
- ③ ITEM SPL - 4" CONCRETE SIDEWALK. PER KENTON COUNTY SUBDIVISION REGULATIONS.
- ④ ITEM SPL - CONCRETE CURB. POURED INTEGRAL WITH PROPOSED SIDEWALK. PER KENTON COUNTY SUBDIVISION REGULATIONS
- ⑤ ITEM SPL - CONCRETE FLUME CHANNEL 6" ** (SEE REINFORCEMENT DETAIL)
- ⑥ ITEM SPL - CONCRETE VERTICAL CURB AND GUTTER
- ⑦ ITEM 402/408 MILL AND RESURFACE 1-1/2" TO MATCH CURB LINE.
- ⑧ ITEM SPL - YARD RESTORATION (4" TOPSOIL, SEED AND MULCH)
- ⑨ APPLY HOT ASPHALT SEALER (INCIDENTAL TO 402/408)
- ⑩ ITEM 302 - 6" DENSE GRADED AGGREGATE

SIDEWALK, CURB & GUTTER AND CURB WALL SECTION
STA: 10+40 TO 12+48



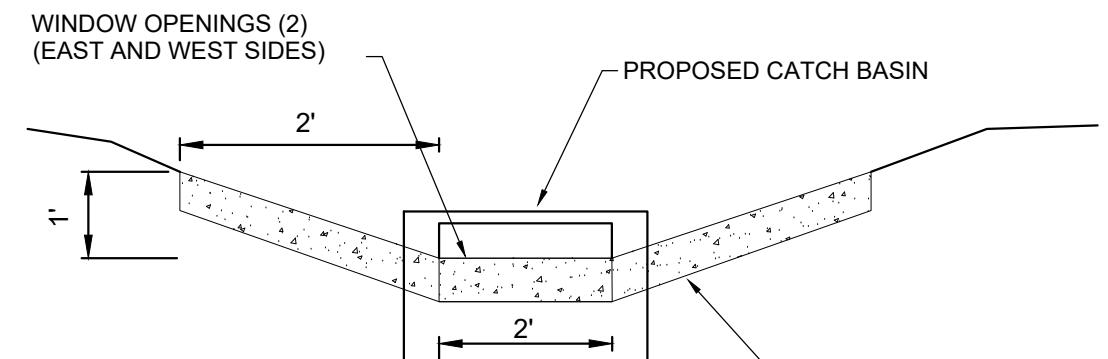
- ① ITEM 203 - REMOVE EXISTING SIDEWALK
- ② ITEM 207 - SUBGRADE RESHAPING & COMPACTING.
- ③ ITEM SPL - 4" CONCRETE SIDEWALK. PER KENTON COUNTY SUBDIVISION REGULATIONS.
- ④ ITEM SPL - CONCRETE CURB. POURED INTEGRAL WITH PROPOSED SIDEWALK. PER KENTON COUNTY SUBDIVISION REGULATIONS
- ⑤ ITEM SPL - CONCRETE FLUME CHANNEL 6" ** (SEE REINFORCEMENT DETAIL)
- ⑥ ITEM - CONCRETE VERTICAL CURB AND GUTTER (DEPRESSED)
- ⑦ ITEM 402/408 MILL AND RESURFACE 1-1/2" TO MATCH CURB LINE.
- ⑧ ITEM SPL - YARD RESTORATION (4" TOPSOIL, SEED AND MULCH)
- ⑨ APPLY HOT ASPHALT SEALER (INCIDENTAL TO 402/408)
- ⑩ ITEM 302 - 6" DENSE GRADED AGGREGATE

SIDEWALK, CURB & GUTTER AND CURB WALL SECTION AT HANDICAP LANDING
STA: 10+30 TO 10+40

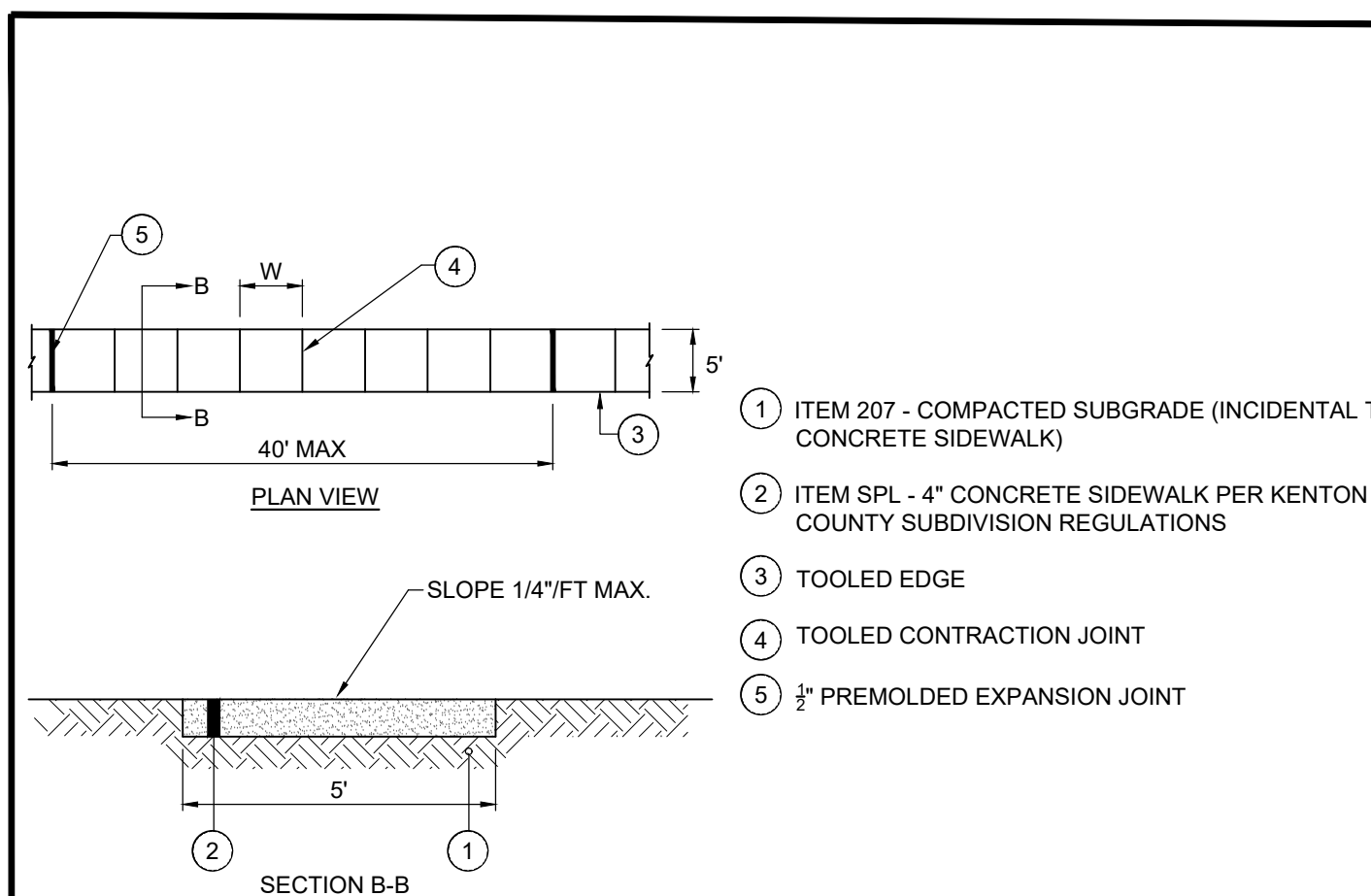


STANDARD INLET (12" - 33" OUTLET PIPE)
(STM-08)
N.T.S.

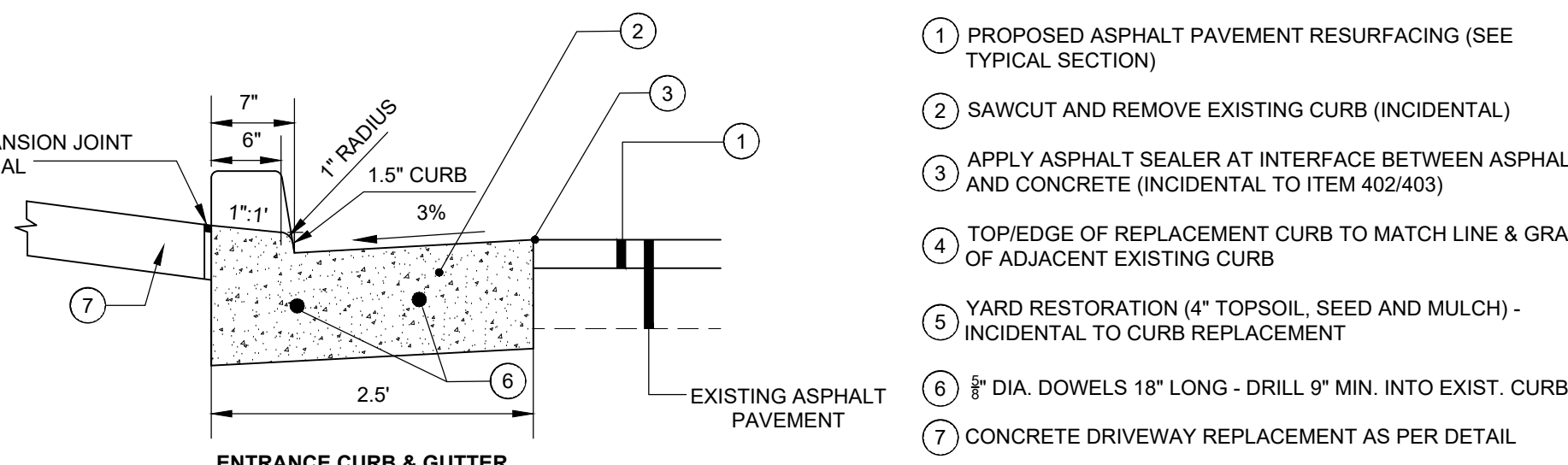
— NOTES —
GRATES: SEE SD1 SPECIFICATION SECTION 05540.
WALLS: CAST-IN-PLACE WALLS SHALL HAVE A NOMINAL THICKNESS OF 8". PRECAST WALLS SHALL HAVE A MINIMUM THICKNESS OF 6" AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE. CONCRETE SHALL MEET REQUIREMENTS OF SD1'S SPECIFICATIONS.
REINFORCEMENT: REINFORCING IN THE TOP IS TO BE #4 BARS SPACED AT 6" CENTER TO CENTER. USE EIGHT BARS.
INLETS OVER 12 FEET IN DEPTH SHALL BE PRECAST OR CAST-IN PLACE CONCRETE. REINFORCED WITH #4 BARS ON 12" CENTERS BOTH VERTICALLY AND HORIZONTALLY WITH 2" CLEARANCE FROM INSIDE WALL FACE.
PRECAST BASE: IF A PRECAST BASE IS USED, IT SHALL BE SET DEEP ENOUGH SO THAT THE TOP CAN BE PLACED ON THE BASE TO PROVIDE THE GRATE ELEVATION SPECIFIED IN THE PLANS. GRADE ADJUSTMENTS SHALL BE MADE PER SD1'S SPECIFICATIONS. CONCRETE SHALL MEET REQUIREMENTS OF SD1'S SPECIFICATIONS.
LOCATION AND ELEVATION: WHEN GIVEN ON THE PLANS, THE LOCATION AND THE ELEVATION ARE AT THE TOP CENTER OF THE GRATE. WHEN SIDE OPENINGS ARE PROVIDED, THE ELEVATION SHALL BE AT THE FLOW LINE OF THE SIDE INLET.
MINIMUM DEPTH: THE MINIMUM DEPTH SHALL BE THE OUTSIDE DIAMETER (O.D.) OF THE OUTLET PIPE PLUS 7".
OPENINGS: PIPE OPENINGS SHALL BE THE O.D. OF THE PIPE BEING SUPPLIED PLUS 3" WHEN PREFABRICATED OR FIELD CUT. THE INTERSTITIAL SPACE SHALL BE FILLED WITH GROUT.
SIDE INLETS: SHALL BE PROVIDED ONLY WHEN SPECIFIED ON THE PLANS.
STEPS: STEPS SHALL BE PROVIDED WHERE THE DEPTH EXCEEDS 4' AND SHALL MEET THE REQUIREMENTS OF SD1'S SPECIFICATIONS.
BENCHING: BENCHING SHALL BE REQUIRED IN ALL STRUCTURES AND SHALL MEET THE REQUIREMENTS OF SD1'S STANDARD SPECIFICATIONS.



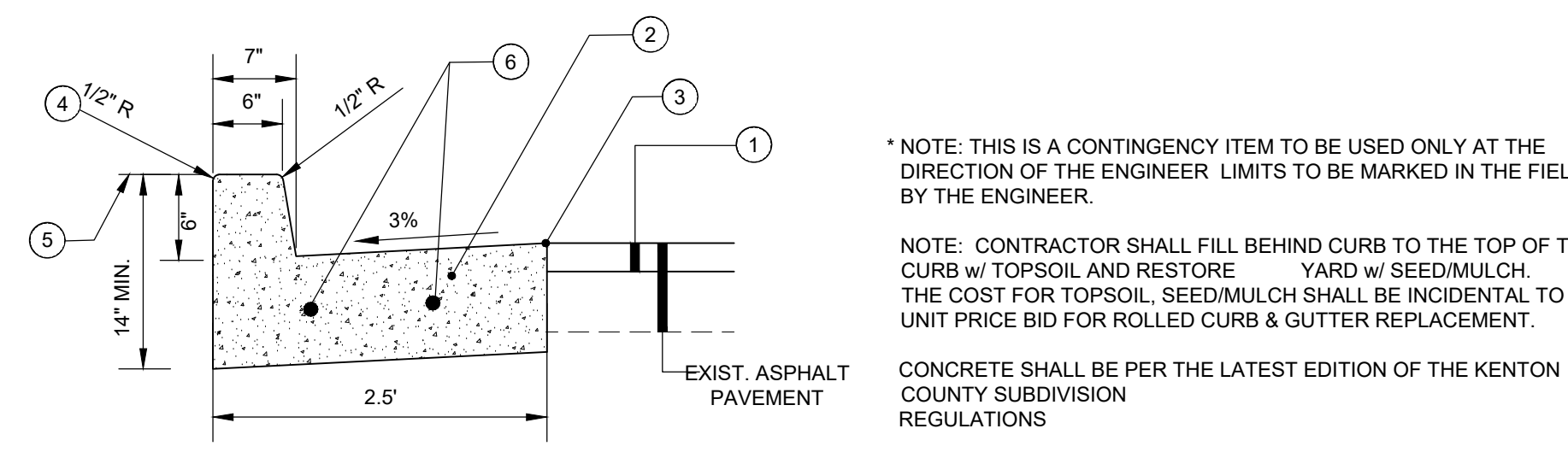
CONCRETE CHANNEL AT CATCH BASIN DETAIL



CONCRETE SIDEWALK REPLACEMENT DETAIL



ENTRANCE CURB & GUTTER



STANDARD CURB & GUTTER

6" CONCRETE VERTICAL CURB & GUTTER REPLACEMENT *

- ① PROPOSED ASPHALT PAVEMENT RESURFACING (SEE TYPICAL SECTION)
- ② SAWCUT AND REMOVE EXISTING CURB (INCIDENTAL)
- ③ APPLY ASPHALT SEALER AT INTERFACE BETWEEN ASPHALT AND CONCRETE (INCIDENTAL TO ITEM 402/403)
- ④ TOP EDGE OF REPLACEMENT CURB TO MATCH LINE & GRADE OF ADJACENT EXISTING CURB
- ⑤ YARD RESTORATION (4" TOPSOIL, SEED AND MULCH) - INCIDENTAL TO CURB REPLACEMENT
- ⑥ 8" DIA. DOWELS 18" LONG - DRILL 9" MIN. INTO EXIST. CURB
- ⑦ CONCRETE DRIVEWAY REPLACEMENT AS PER DETAIL

* NOTE: THIS IS A CONTINGENCY ITEM TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER. LIMITS TO BE MARKED IN THE FIELD BY THE ENGINEER.
NOTE: CONTRACTOR SHALL FILL BEHIND CURB TO THE TOP OF THE CURB w/ TOPSOIL AND RESTORE YARD w/ SEED/MULCH. THE COST FOR TOPSOIL, SEED/MULCH SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ROLLED CURB & GUTTER REPLACEMENT.
CONCRETE SHALL BE PER THE LATEST EDITION OF THE KENTON COUNTY SUBDIVISION REGULATIONS

| REVISION | BY | DATE |
|----------|----|------|
| | | |
| | | |
| | | |

STANTATION DISTRICT NO. 1
1011017
FT. WILKINSON
Ph: (859) 578-7460
Fax: (859) 331-2456

DATE: SEPTEMBER 2018
DRAWING NO: STM-08

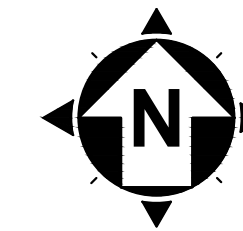
your trusted advisor
consultants
engineers
architects
planners

| ISSUED FOR: | BID NO. | REVISION | DATE |
|-------------------|---------|----------|------|
| 3/14/24 | | | |
| AS SHOWN | | | |
| DESIGNED BY: DGAR | | | |
| DRAWN BY: DGAR | | | |
| CHECKED BY: MHEL | | | |

**GEORGE HUSER DRIVE
SIDEWALK RECONSTRUCTION
AND DRAINAGE REPAIR
- KENTON COUNTY, KENTUCKY -**

DETAIL SHEET

| | |
|-------------|--------|
| PROJECT NO. | 232166 |
| DISCIPLINE | CIVIL |
| SHEET NAME | C3 |
| SHEET | 3 |
| OF | 8 |



NORTH AND BEARING SYSTEM BASED ON NAD83 (2011) KENTUCKY STATE PLANE, NORTH ZONE, US FOOT.

GENERAL CONSTRUCTION NOTES

- 1) CONSTRUCT INTEGRAL CURB AND CONCRETE SIDEWALK. SEE DETAIL SHEET.
- 2) SAW-CUT EXISTING PAVEMENT TO CREATE A CLEAN JOINT TO CONSTRUCT PROPOSED PAVEMENT/CURB.
- 3) TAPER CURB OVER 6" TO BE FLUSH WITH PAVEMENT/WALK FOR HANDICAP LANDING
- 4) CONNECT TO EXISTING CONCRETE CURB AND/OR SIDEWALK.
- 5) PROPOSED 6" CROSS WALK STRIPING. (WHITE PAINT)
- 6) MATCH EXISTING CURB
- 7) CONSTRUCT ADA CURB RAMP
- 8) REMOVE EXISTING SIDEWALK. RESTORE W/ TOPSOIL, SEED AND MULCH.

STORM SEWER CONSTRUCTION NOTES

- D1) REMOVE EXISTING CATCH BASIN AND INSTALL 2 x 2 CATCH BASIN AND CONNECT TO EX. STORM SEWER. (ASSUME DEPTH TO BE 3') WINDOWS ORIENTED PER DETAIL.
- D2) EXTEND EXISTING STORM SEWER CONDUIT TO THE CONCRETE CHANNEL. EXTEND PROPOSED CONDUIT THRU CHANNEL SIDE SLOPE. CUT FLUSH WITH CONCRETE CHANNEL. SEE DETAIL FOR ADDITIONAL INFORMATION.
- D3) CONSTRUCT CHANNEL CHANNEL PROTECTION THE THE FLOWLINE OF THE EXISTING 12" STORM SEWER CONDUIT.
- D4) ADJUST DOUBLE GRATE INLET TO GRADE.

SANITARY SEWER CONSTRUCTION NOTES

- S1) NA

WATER CONSTRUCTION NOTES

- W1) DO NOT DISTURB EXISTING WATER MAIN. PROTECT PER NORTHERN KENTUCKY WATER DISTRICT REQUIREMENTS.
- W2) ADJUST WATER VALVE TO FINISH GRADE

COMMUNICATION CONSTRUCTION NOTES

- C1) NA

ELECTRIC CONSTRUCTION NOTES

- E1) NA

GAS CONSTRUCTION NOTES

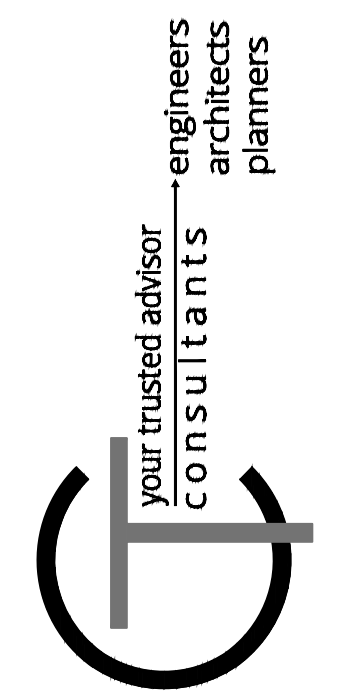
- G1) NA

LANDSCAPING CONSTRUCTION NOTES

- L1) NA

HATCH LEGEND

- CONCRETE CHANNEL INTEGRAL WITH CURB AND SIDEWALK - SEE DETAIL SHEET
- 4" CONCRETE WALK WITH INTEGRAL CURB - SEE DETAIL SHEET
- 1-1/2" MILL AND RESURFACE EXISTING PAVEMENT

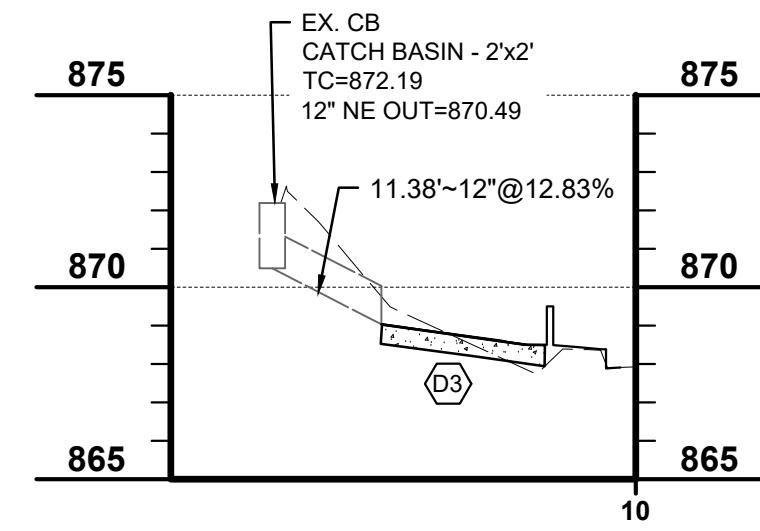
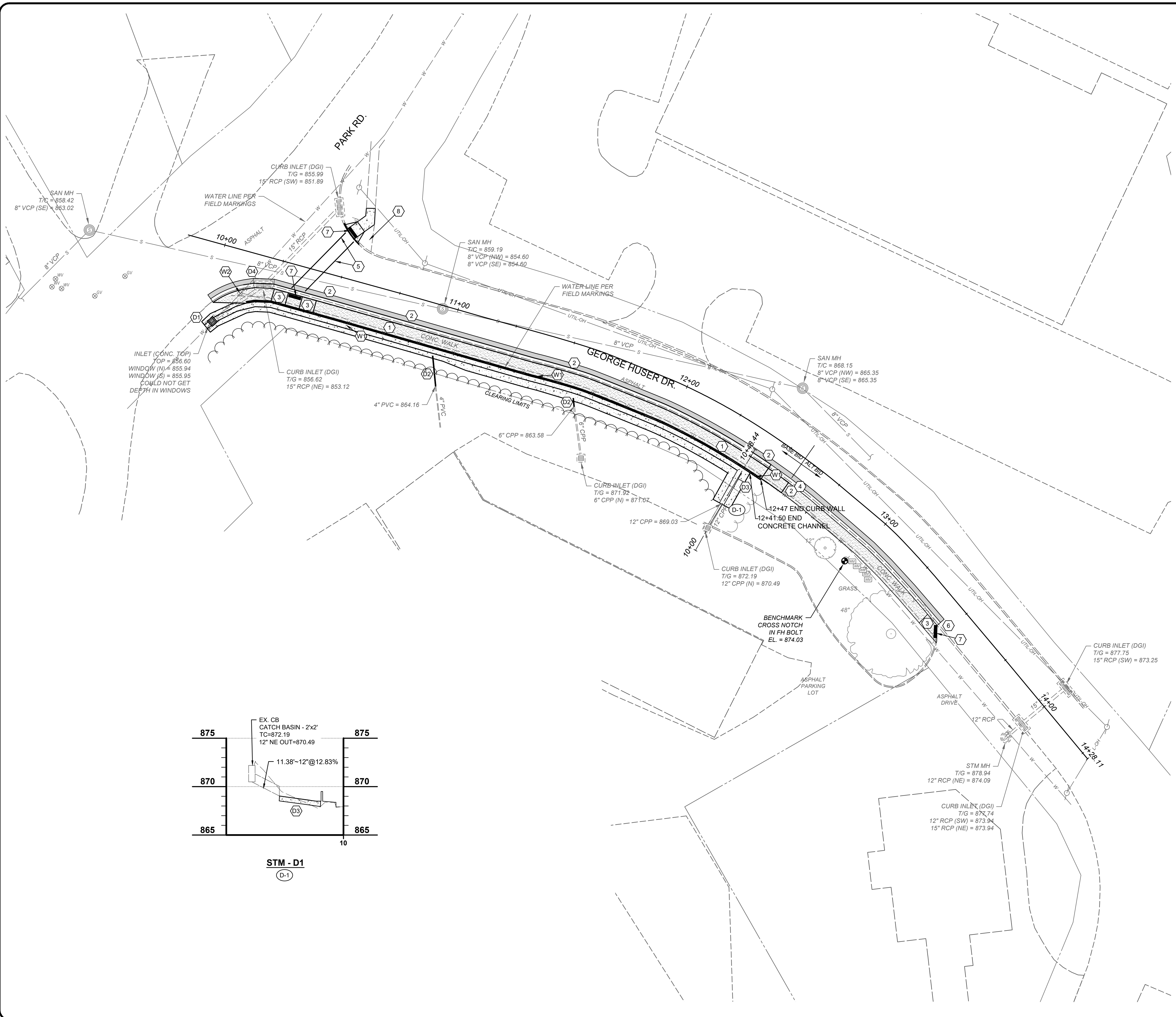


| ISSUED FOR: | BID NO. | REVISION | DATE |
|--------------|---------|----------|------|
| 3/14/24 | | | |
| AS SHOWN | | | |
| DESIGNED BY: | DGAR | | |
| DRAWN BY: | DGAR | | |
| CHECKED BY: | MHEL | | |

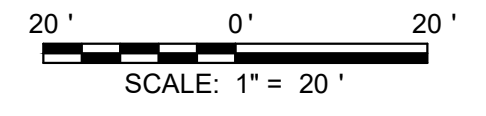
**GEORGE HUSER DRIVE
SIDEWALK RECONSTRUCTION
AND DRAINAGE REPAIR
- KENTON COUNTY, KENTUCKY -**

SITE LAYOUT SHEET

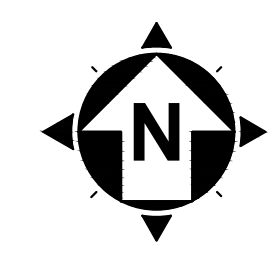
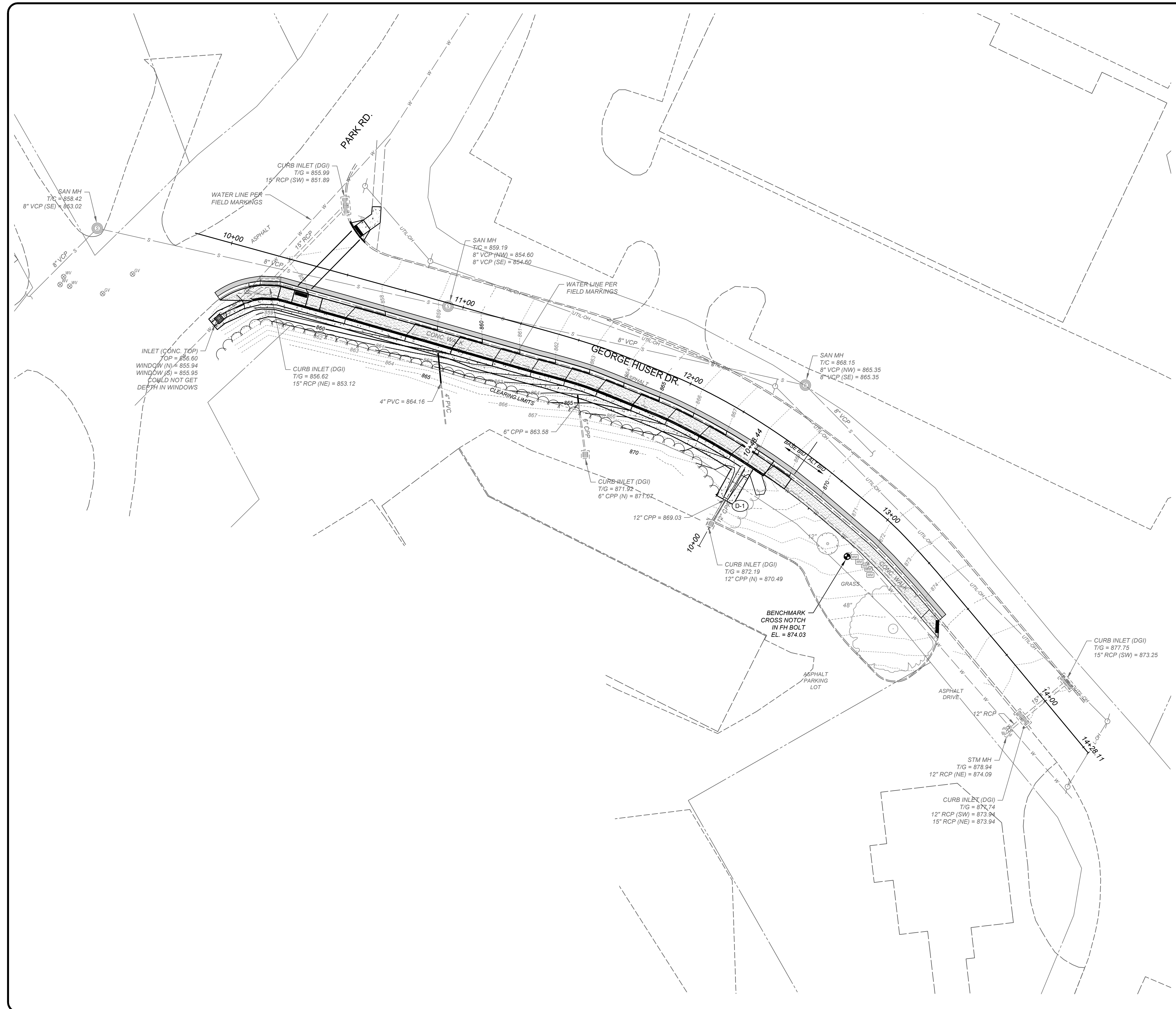
| | |
|-------------|--------|
| PROJECT NO. | 232166 |
| DISCIPLINE | CIVIL |
| SHEET NAME | C4 |
| SHEET | 4 |
| OF | 8 |



STM - D1
D-1



H:\020232166\DWG\BASE\232166 - P-BASE.DWG - C4 - 3/5/2024 1:52:00 PM - DAVE GARRETT



NORTH AND BEARING SYSTEM BASED ON NAD83 (2011) KENTUCKY STATE PLANE, NORTH ZONE, US FOOT.

GENERAL CONSTRUCTION NOTES

- 1) CONSTRUCT INTEGRAL CURB AND CONCRETE SIDEWALK. SEE DETAIL SHEET.
- 2) SAW-CUT EXISTING PAVEMENT TO CREATE A CLEAN JOINT TO CONSTRUCT PROPOSED PAVEMENT/CURB.
- 3) TAPER CURB OVER 6" TO BE FLUSH WITH PAVEMENT/WALK FOR HANDICAP LANDING.
- 4) CONNECT TO EXISTING CONCRETE CURB AND/OR SIDEWALK.
- 5) PROPOSED 6" CROSS WALK STRIPING. (WHITE PAINT)
- 6) MATCH EXISTING CURB
- 7) CONSTRUCT ADA CURB RAMP
- 8) REMOVE EXISTING SIDEWALK. RESTORE W/ TOPSOIL, SEED AND MULCH.

STORM SEWER CONSTRUCTION NOTES

- D1) REMOVE EXISTING CATCH BASIN AND INSTALL 2 x 2 CATCH BASIN AND CONNECT TO EX. STORM SEWER. (ASSUME DEPTH TO BE 3') WINDOWS ORIENTED PER DETAIL.
- D2) EXTEND EXISTING STORM SEWER CONDUIT TO THE CONCRETE CHANNEL. EXTEND PROPOSED CONDUIT THRU CHANNEL SIDE SLOPE. CUT FLUSH WITH CONCRETE CHANNEL. SEE DETAIL FOR ADDITIONAL INFORMATION.
- D3) CONSTRUCT CHANNEL CHANNEL PROTECTION THE THE FLOWLINE OF THE EXISTING 12" STORM SEWER CONDUIT.
- D4) ADJUST DOUBLE GRATE INLET TO GRADE.

SANITARY SEWER CONSTRUCTION NOTES

(S) NA

WATER CONSTRUCTION NOTES

- W1) DO NOT DISTURB EXISTING WATER MAIN. PROTECT PER NORTHERN KENTUCKY WATER DISTRICT REQUIREMENTS.
- W2) ADJUST WATER VALVE TO FINISH GRADE

COMMUNICATION CONSTRUCTION NOTES

(C) NA

ELECTRIC CONSTRUCTION NOTES

(E) NA

GAS CONSTRUCTION NOTES

(G) NA

LANDSCAPING CONSTRUCTION NOTES

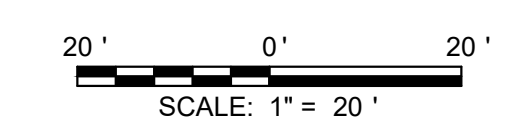
(L) NA

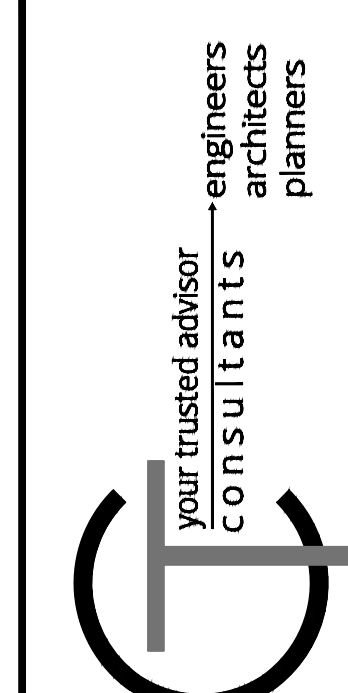
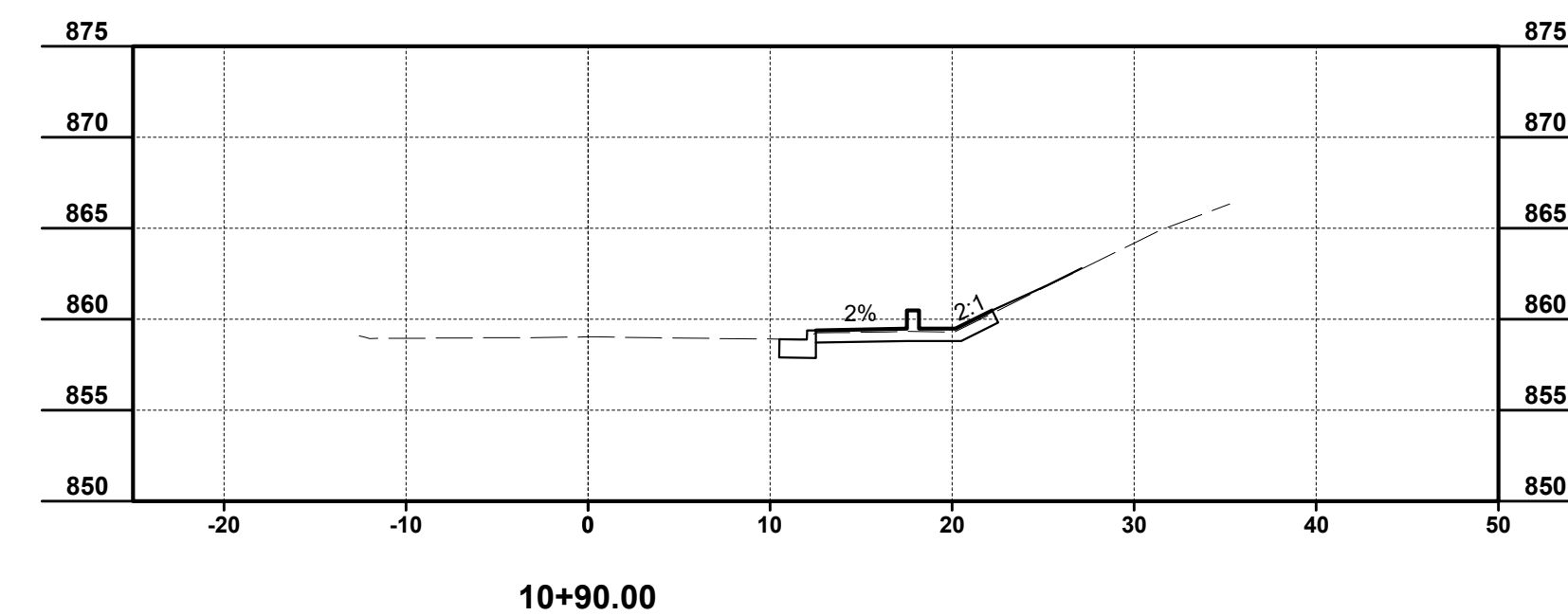
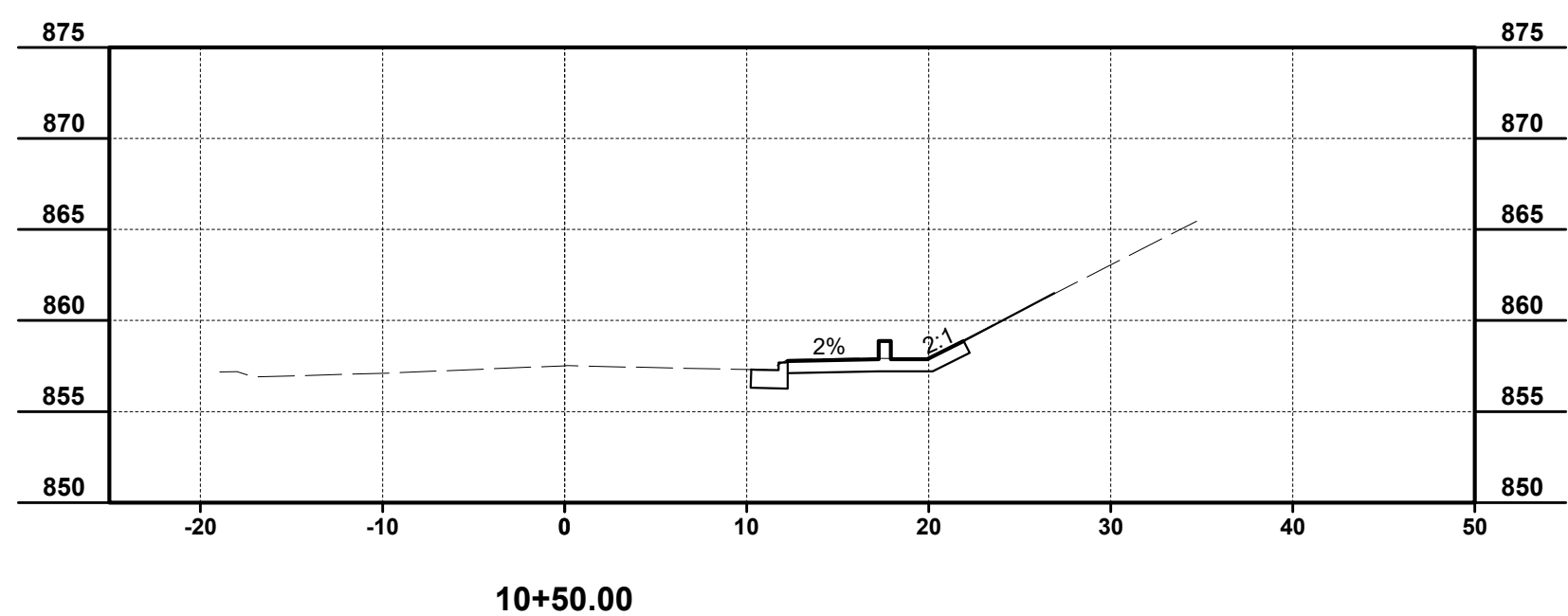
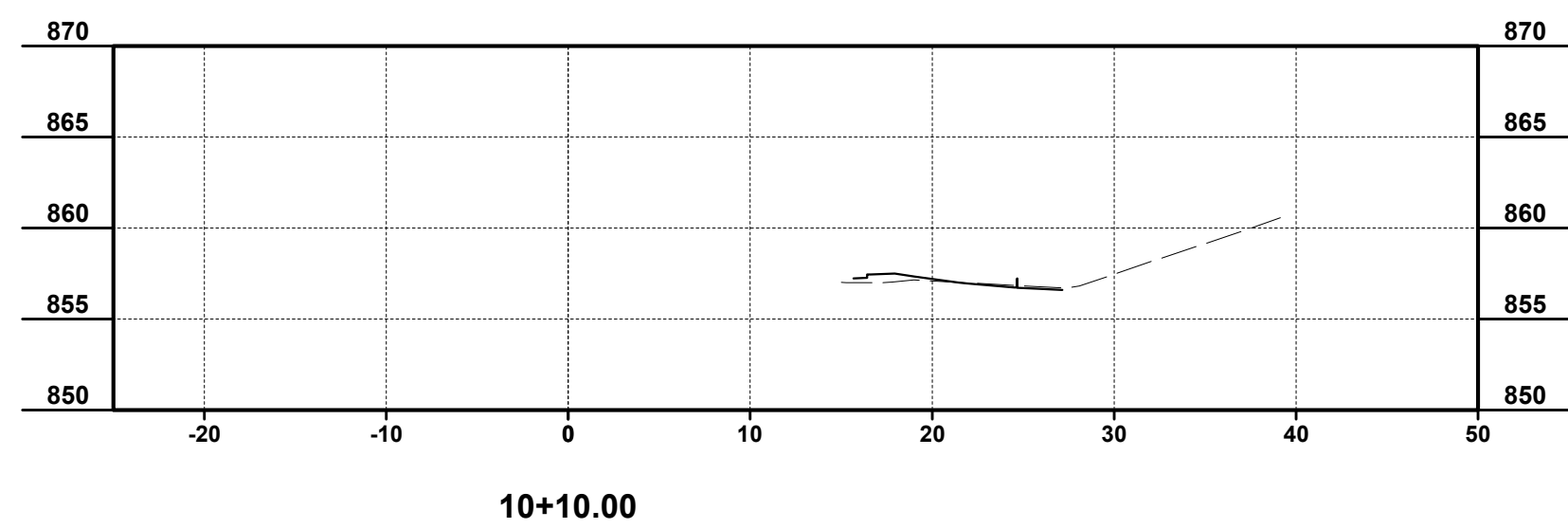
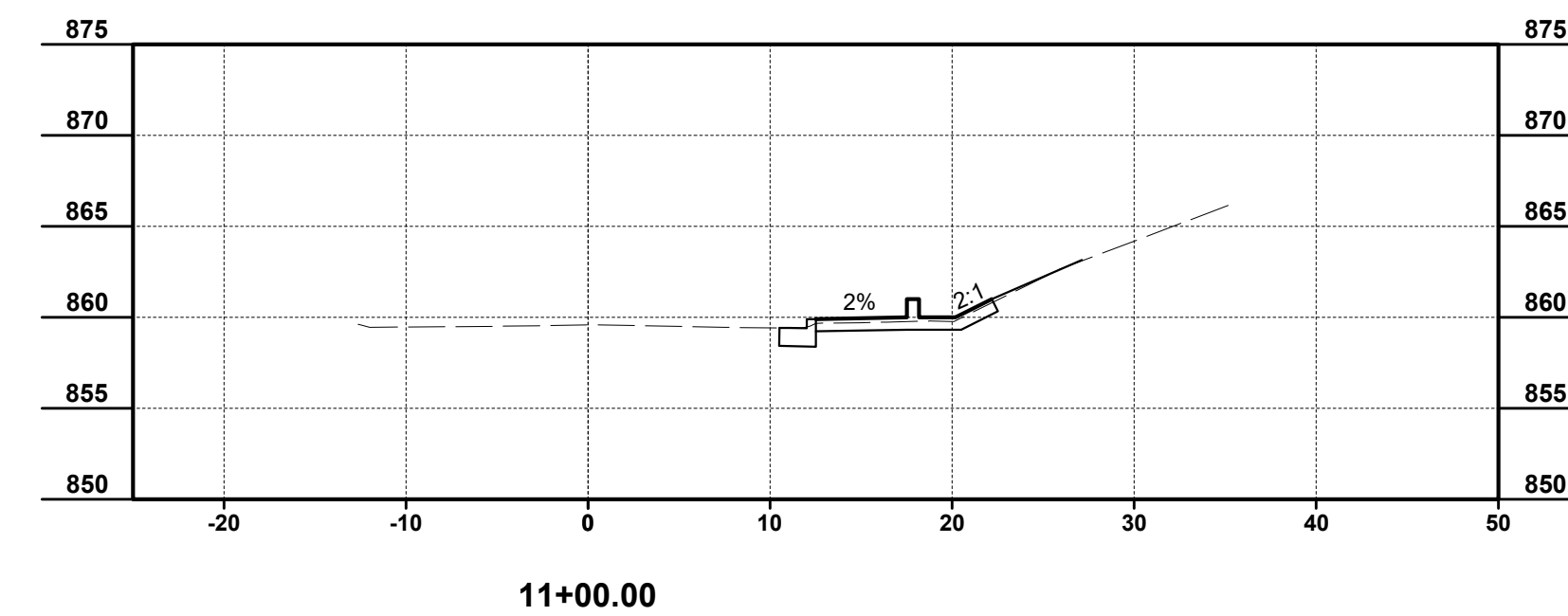
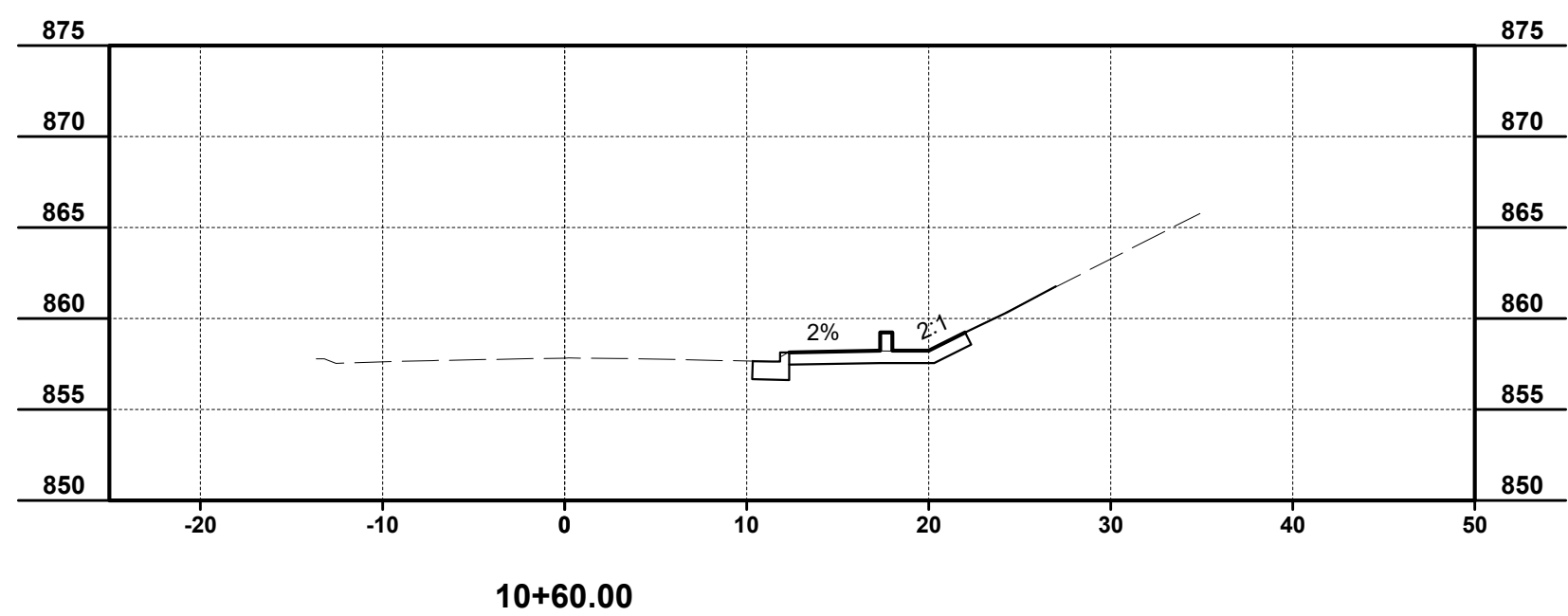
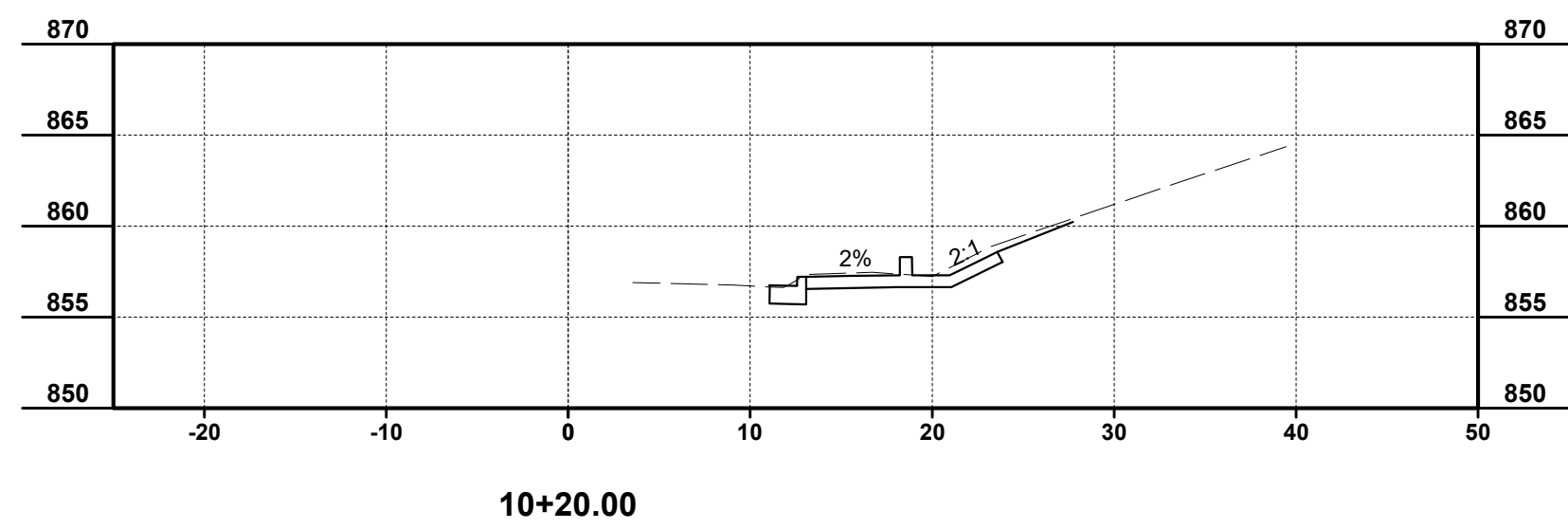
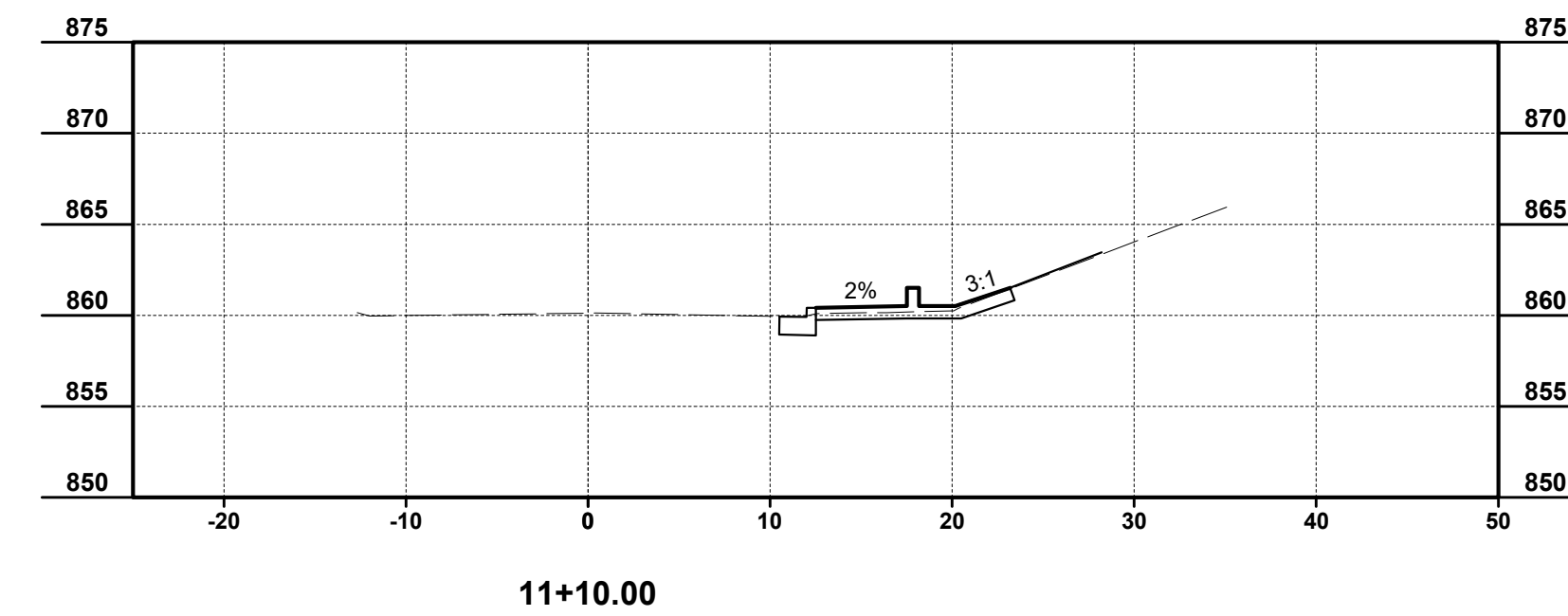
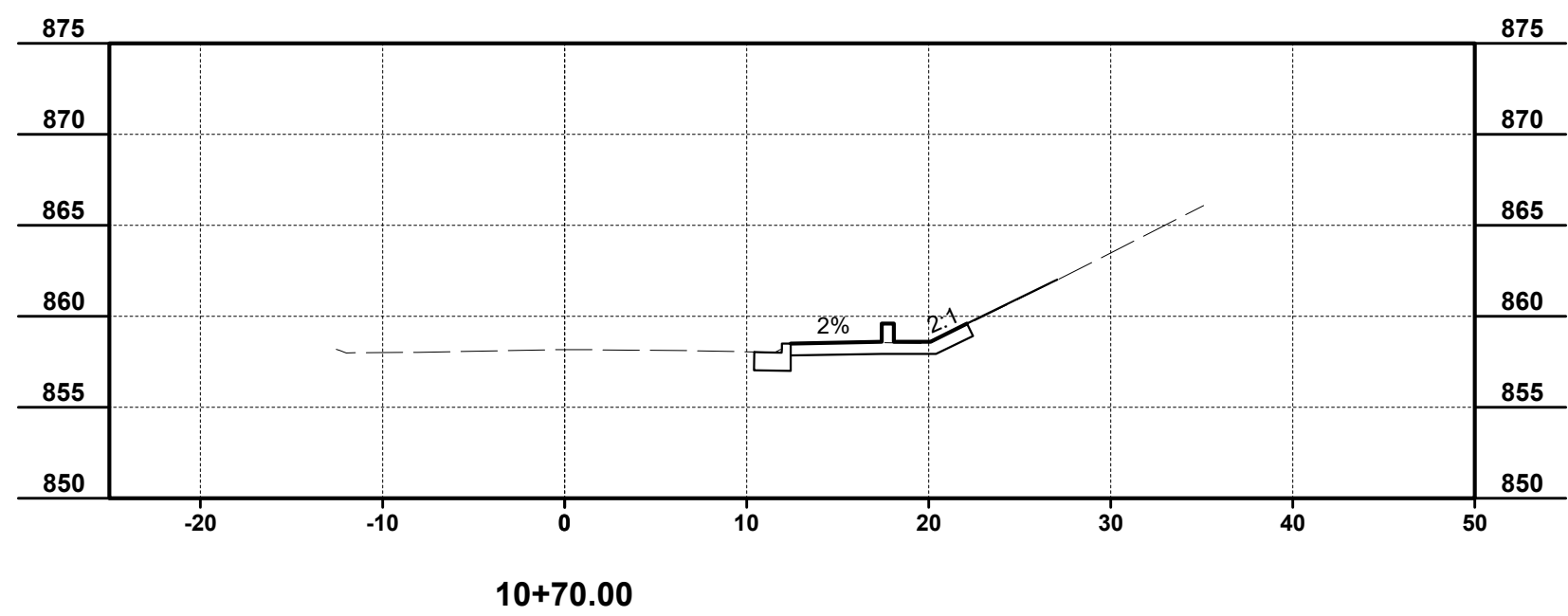
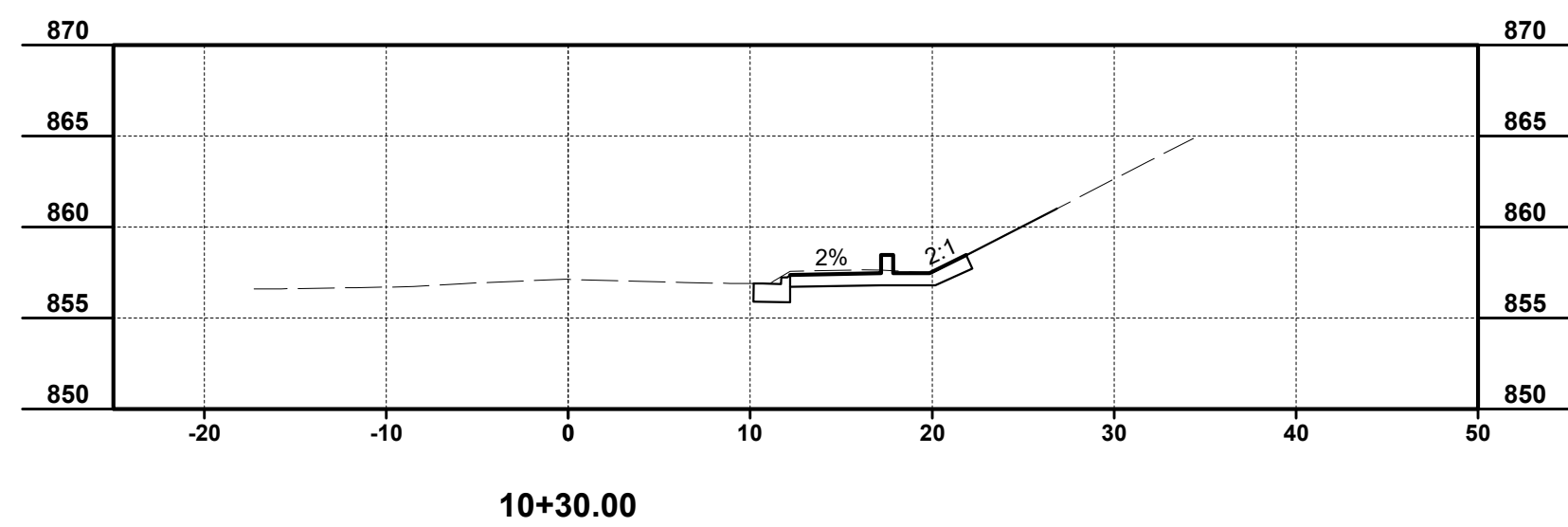
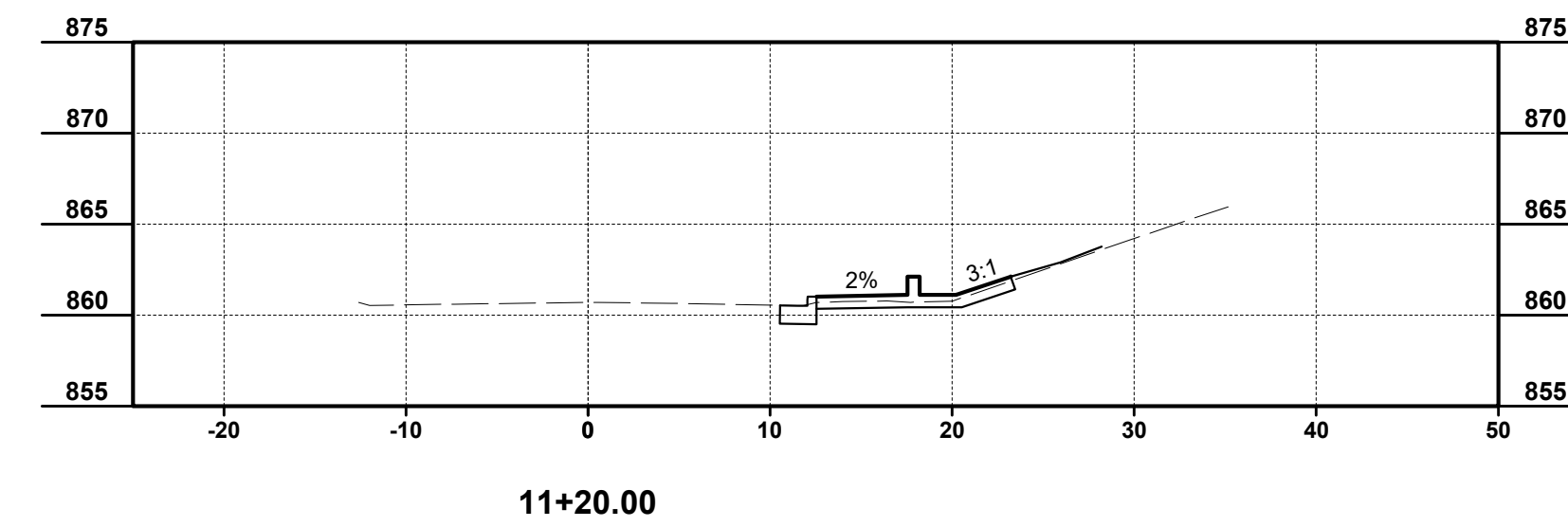
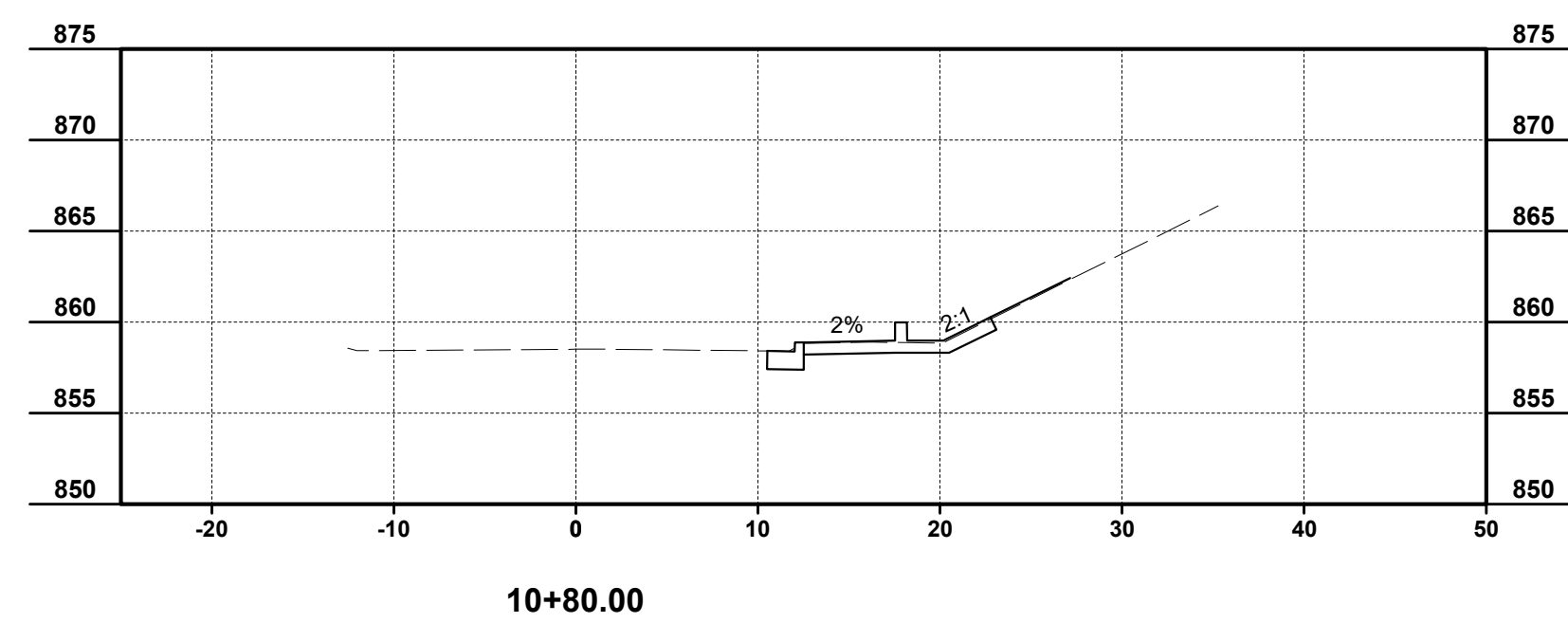
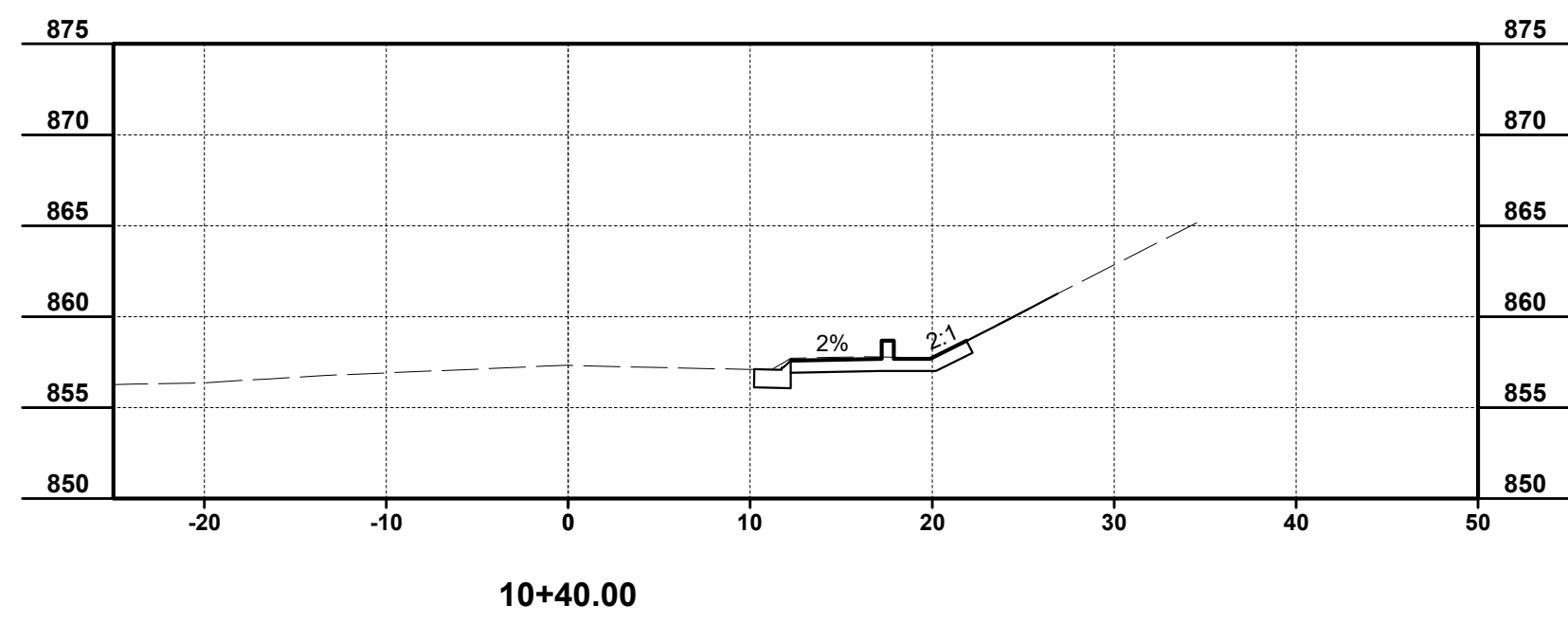
your trusted advisor
consultants
engineers
architects
planners

| ISSUED FOR: | BID | NO | REVISION | DATE |
|--------------|------|----|----------|------|
| 3/14/24 | | | | |
| AS SHOWN | | | | |
| DESIGNED BY: | DGAR | | | |
| DRAWN BY: | DGAR | | | |
| CHECKED BY: | MHEL | | | |

**GEORGE HUSER DRIVE
SIDEWALK RECONSTRUCTION
AND DRAINAGE REPAIR
- KENTON COUNTY, KENTUCKY -
CONTOUR GRADING SHEET**

| | |
|-------------|--------|
| PROJECT NO. | 232166 |
| DISCIPLINE | CIVIL |
| SHEET NAME | C5 |
| SHEET | 5 |
| OF | 8 |





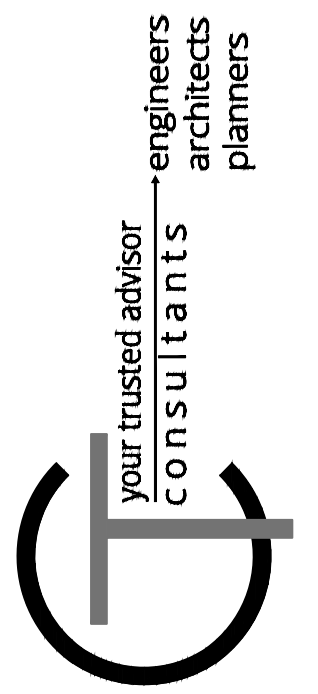
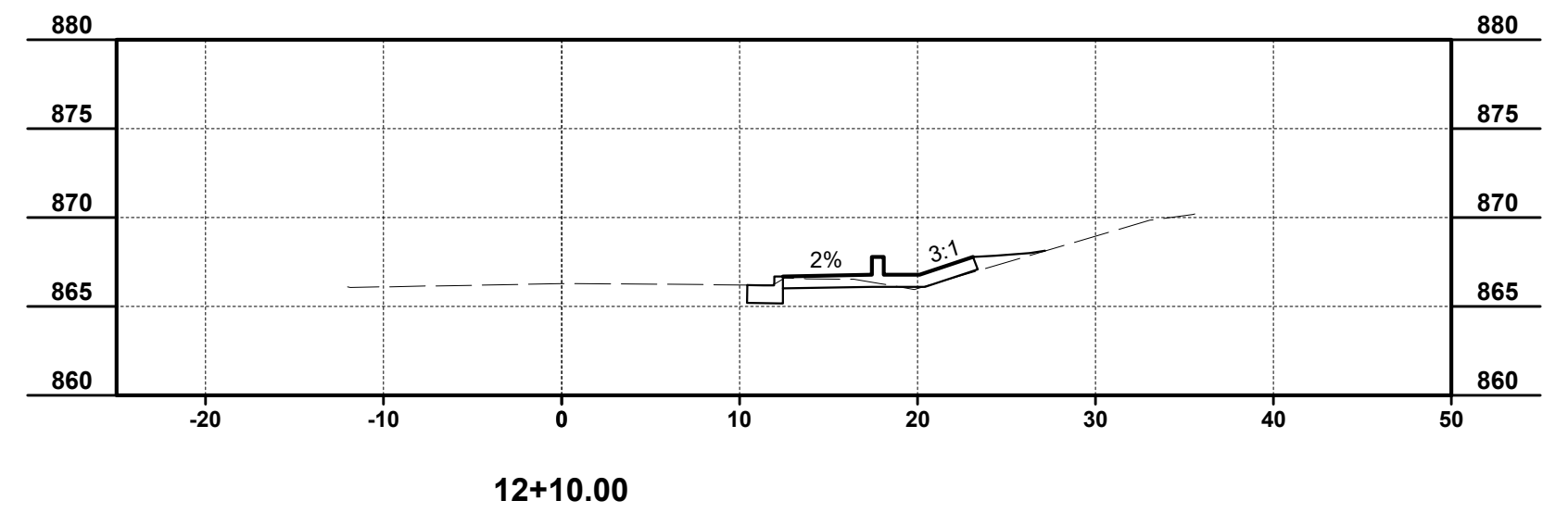
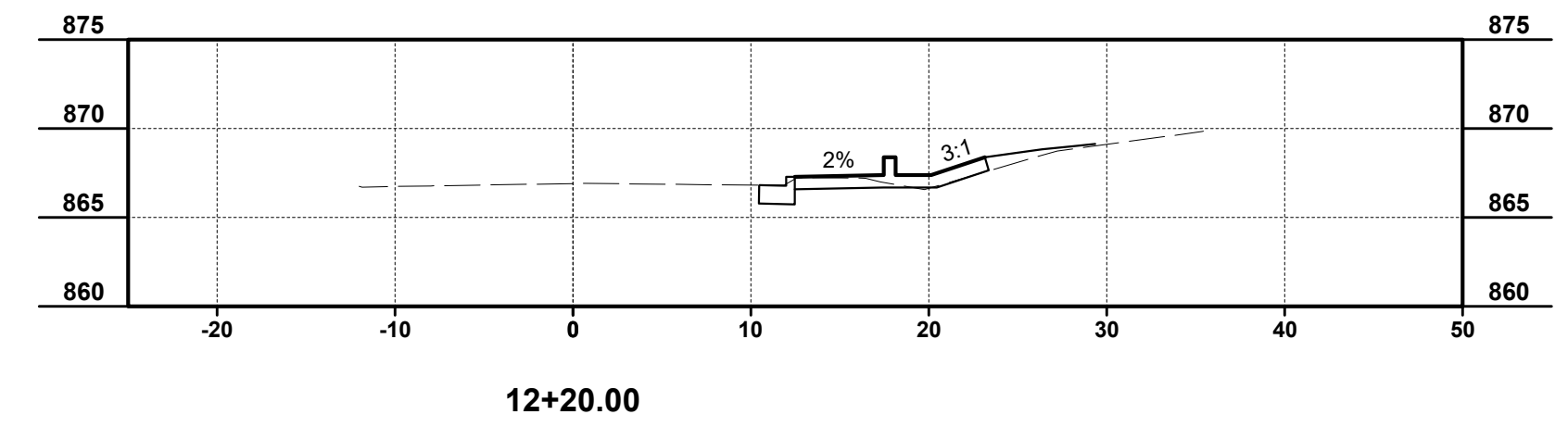
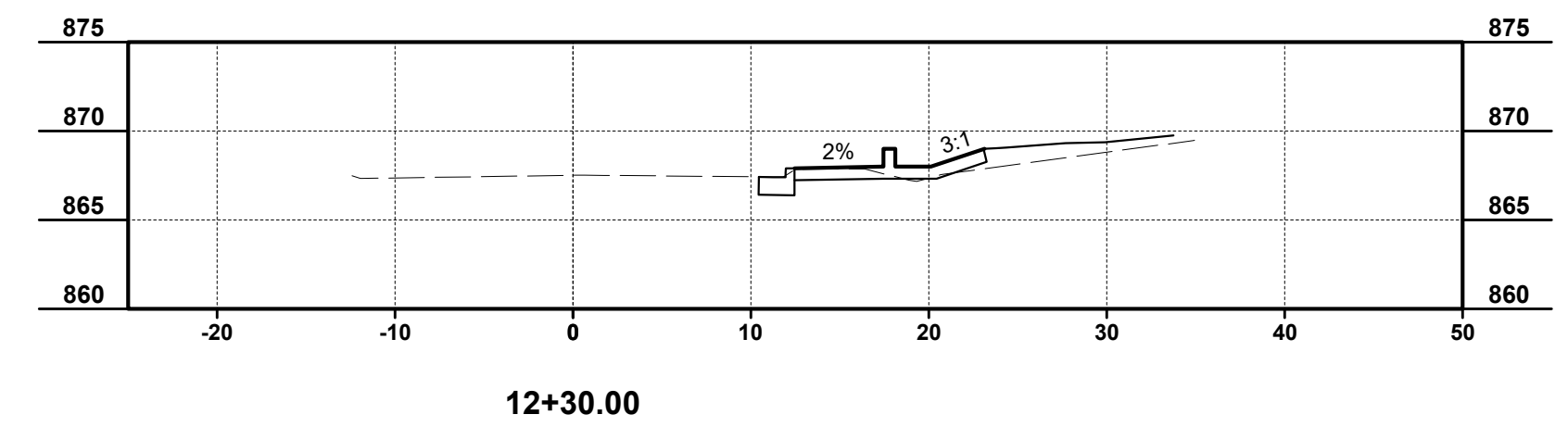
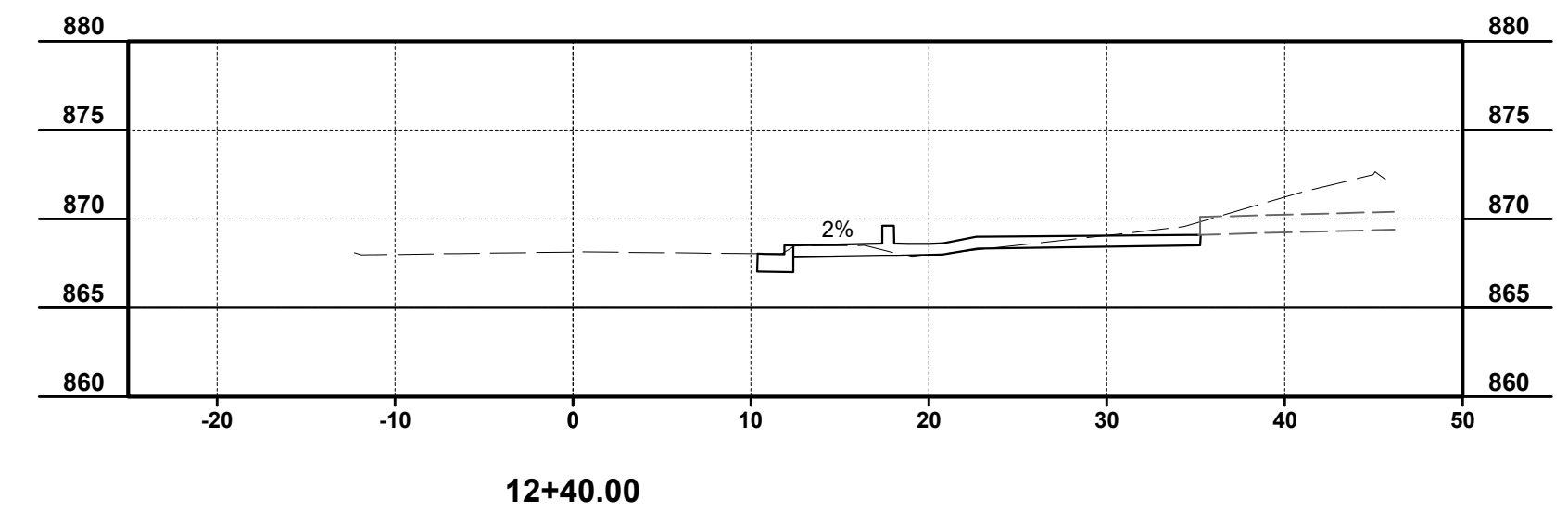
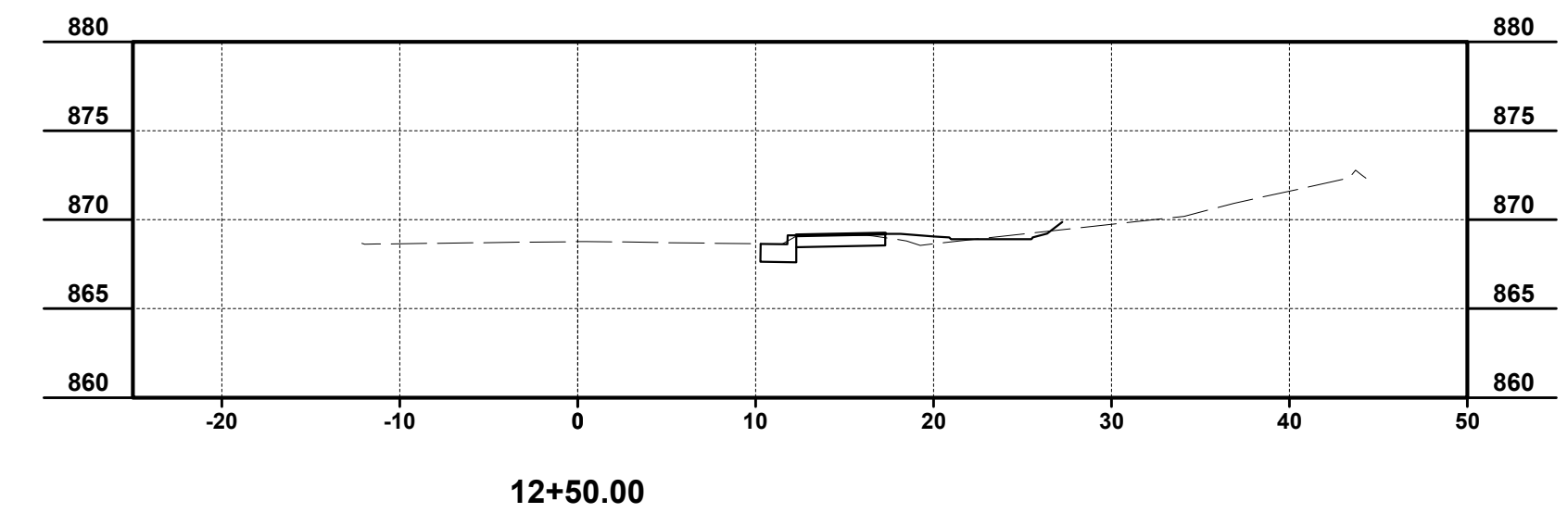
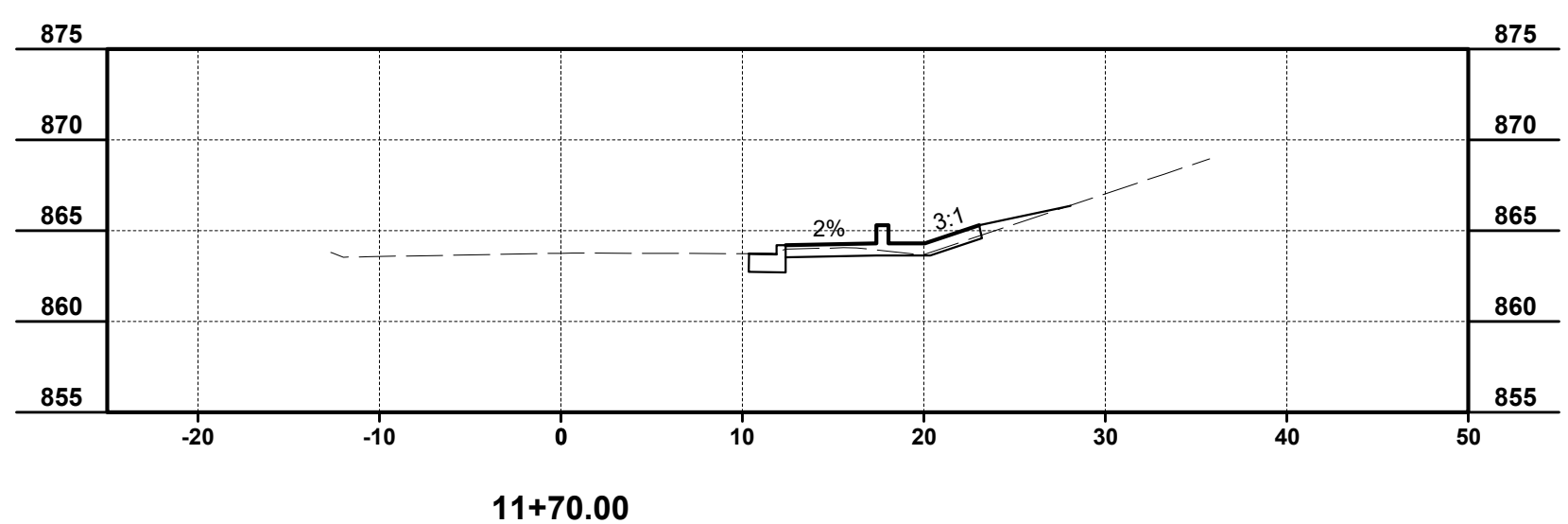
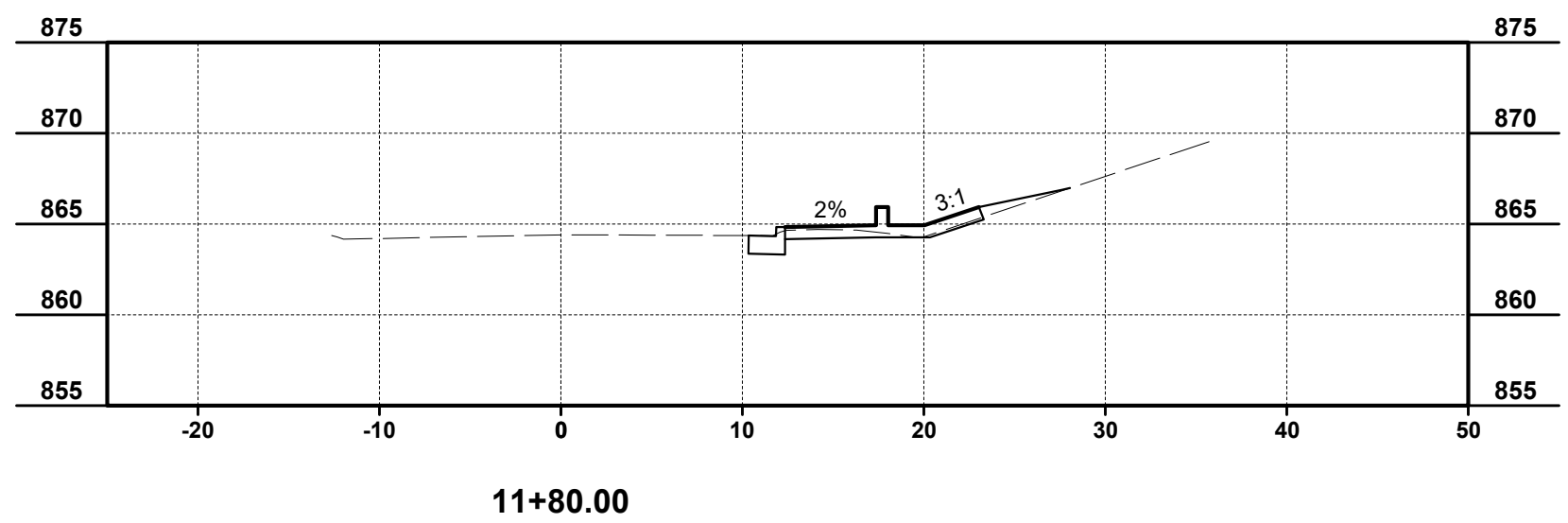
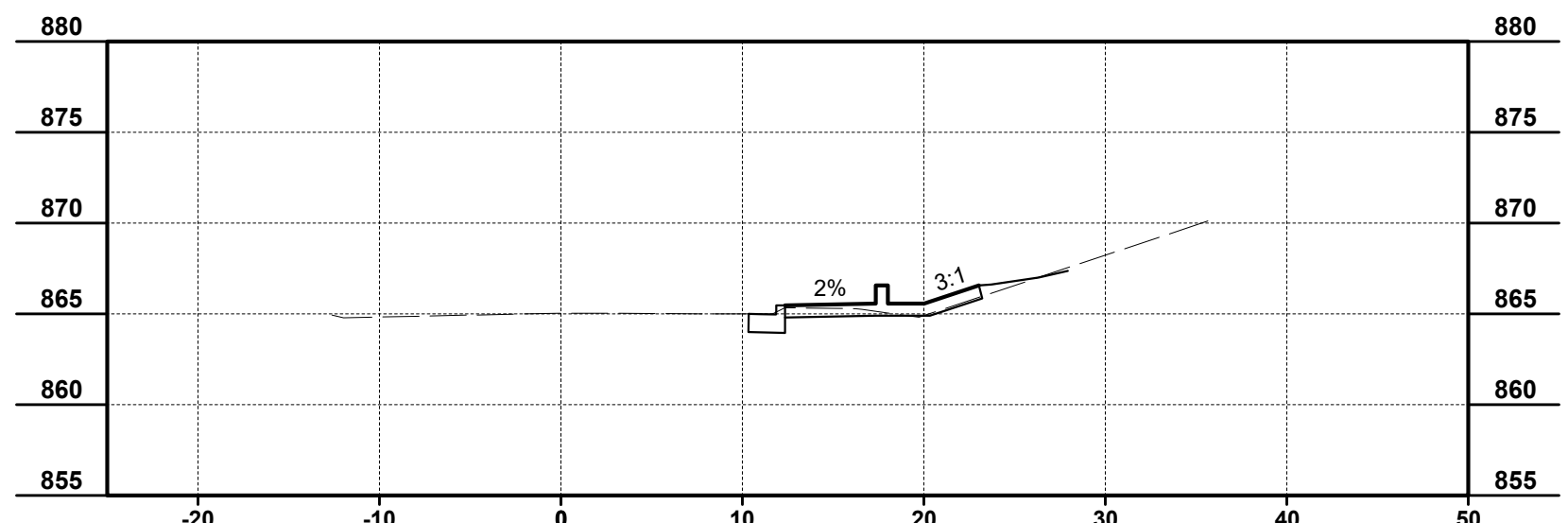
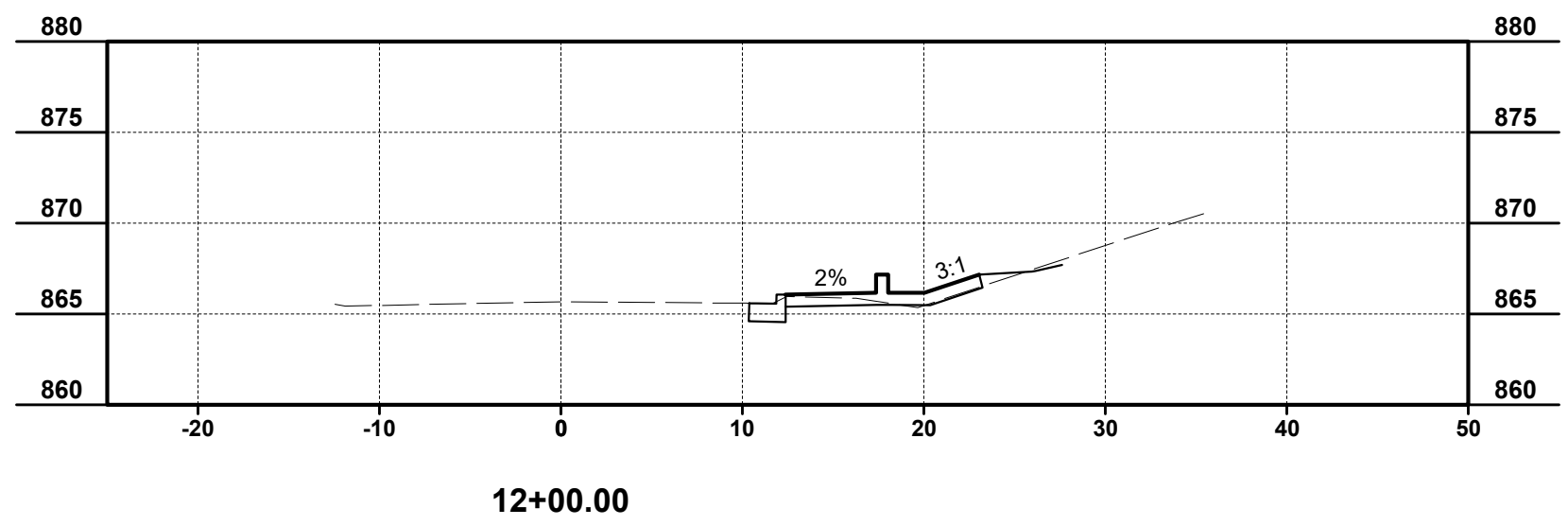
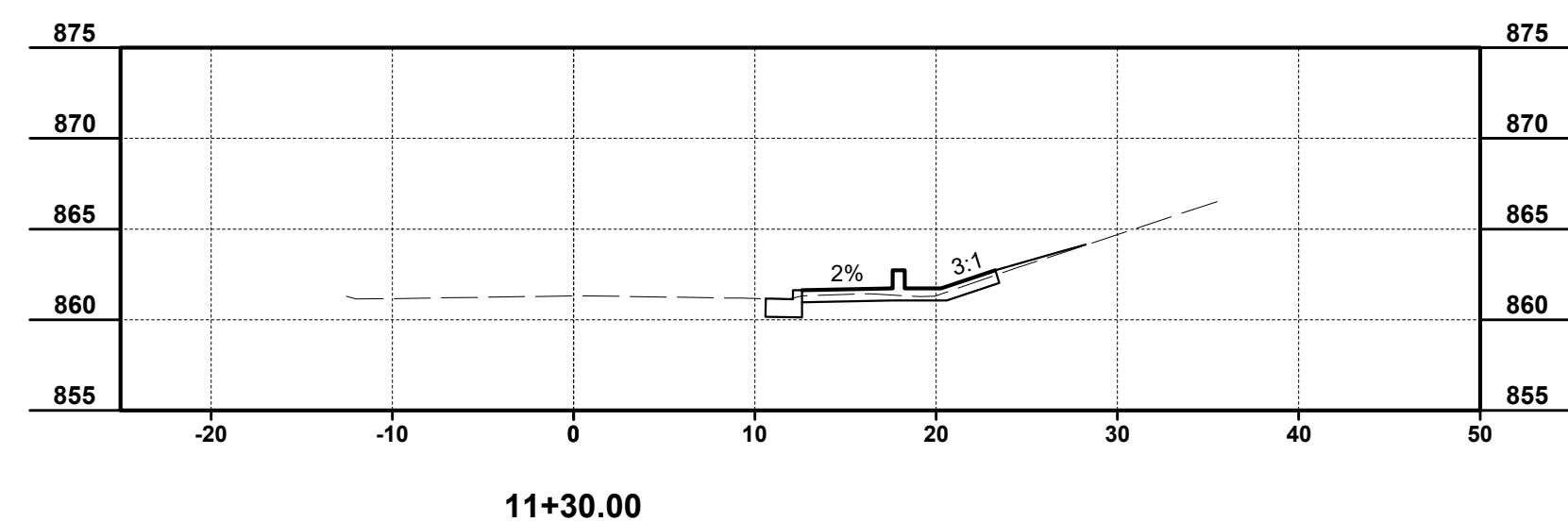
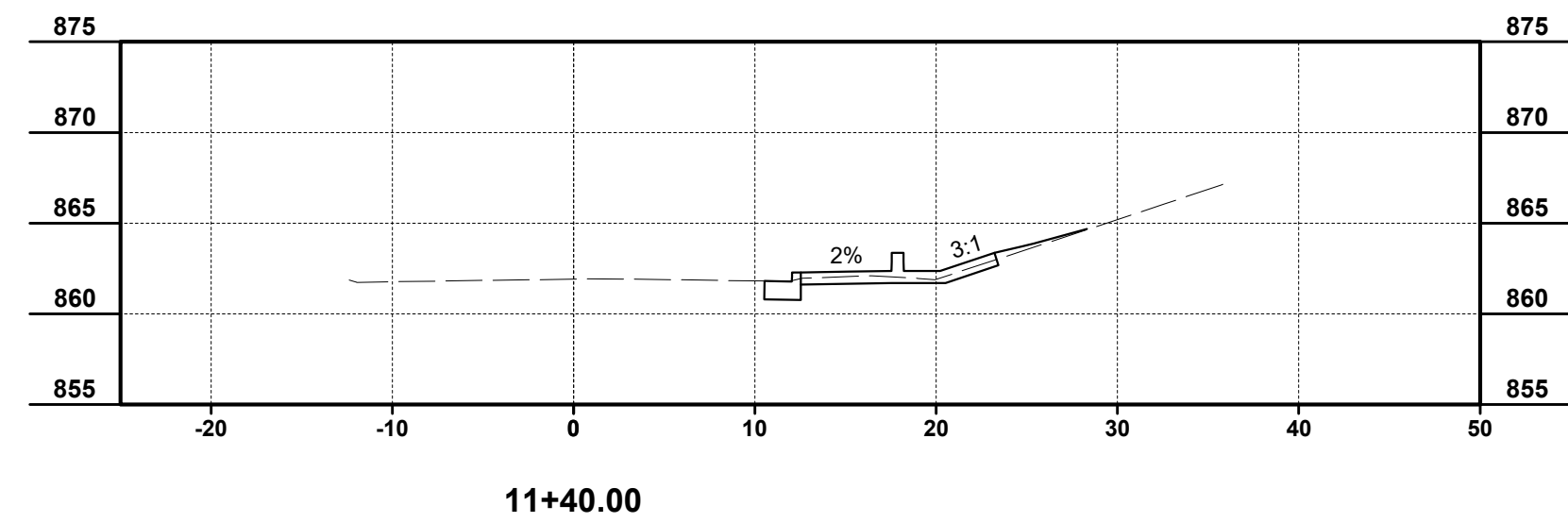
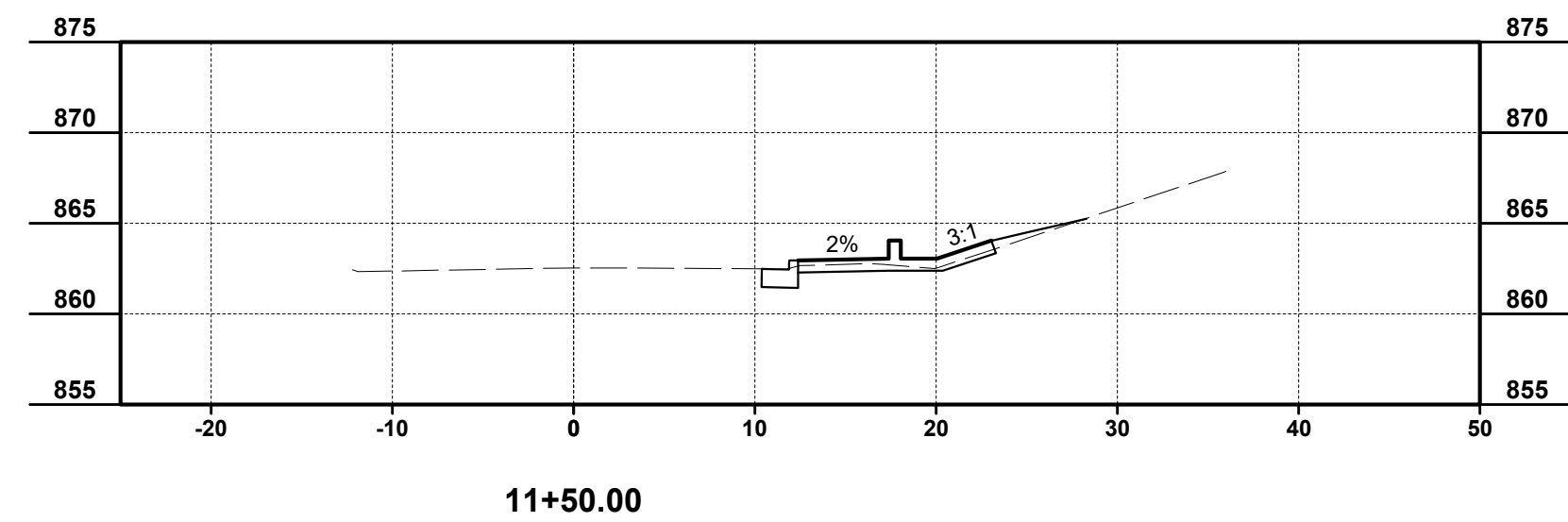
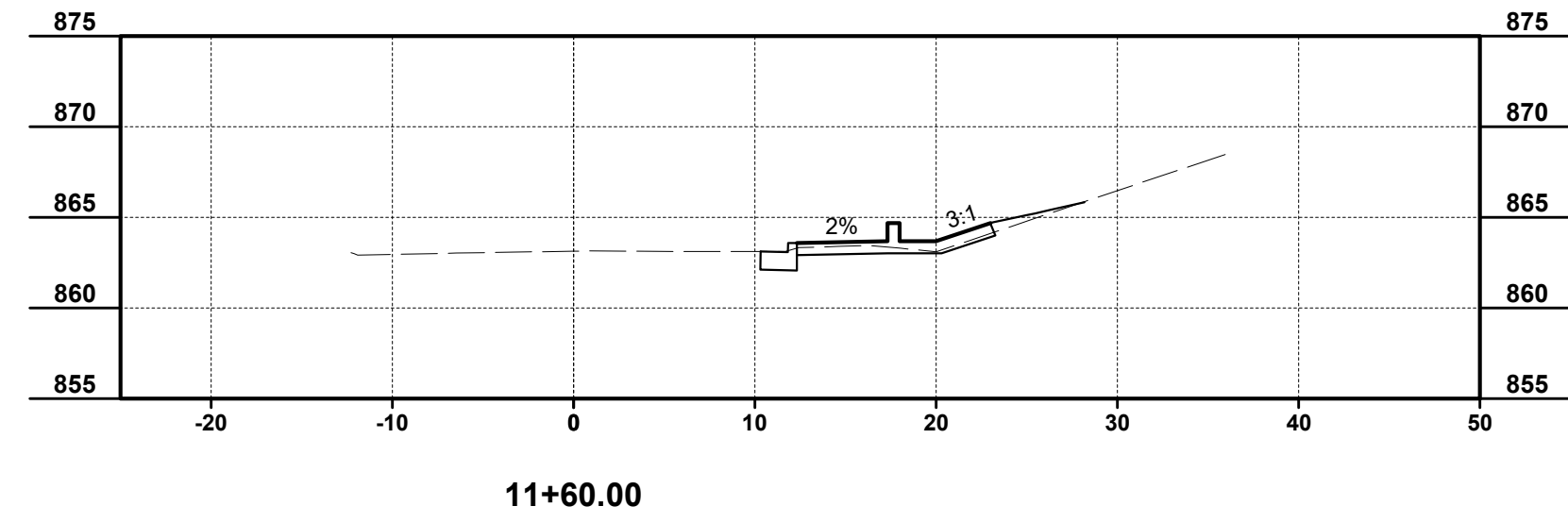
| ISSUED FOR: | BID NO. | REVISION | DATE |
|-------------------|---------|----------|------|
| 3/14/24 | | | |
| AS SHOWN | | | |
| DESIGNED BY: DGAR | | | |
| DRAWN BY: DGAR | | | |
| CHECKED BY: MHEL | | | |

**GEORGE HUSER DRIVE
SIDEWALK RECONSTRUCTION
AND DRAINAGE REPAIR
- KENTON COUNTY, KENTUCKY -**

CROSS SECTION SHEET 1

| | |
|-------------|--------|
| PROJECT NO. | 232166 |
| DISCIPLINE | CIVIL |
| SHEET NAME | C6 |
| SHEET | 6 |
| OF | 8 |

H:\2023\232166\DWG\BASE\232166 - P-BASE.DWG - CS - 3/5/2024 1:52:00 PM - DAVE GARRETT

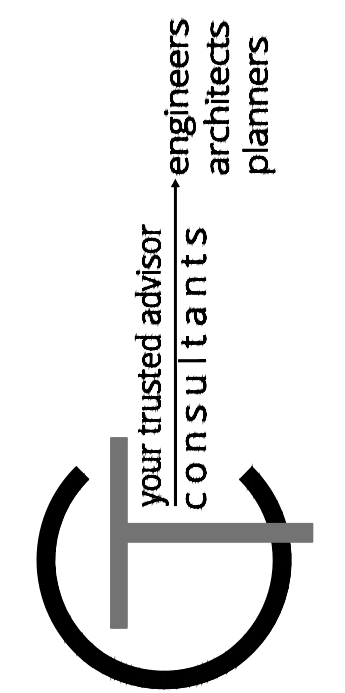
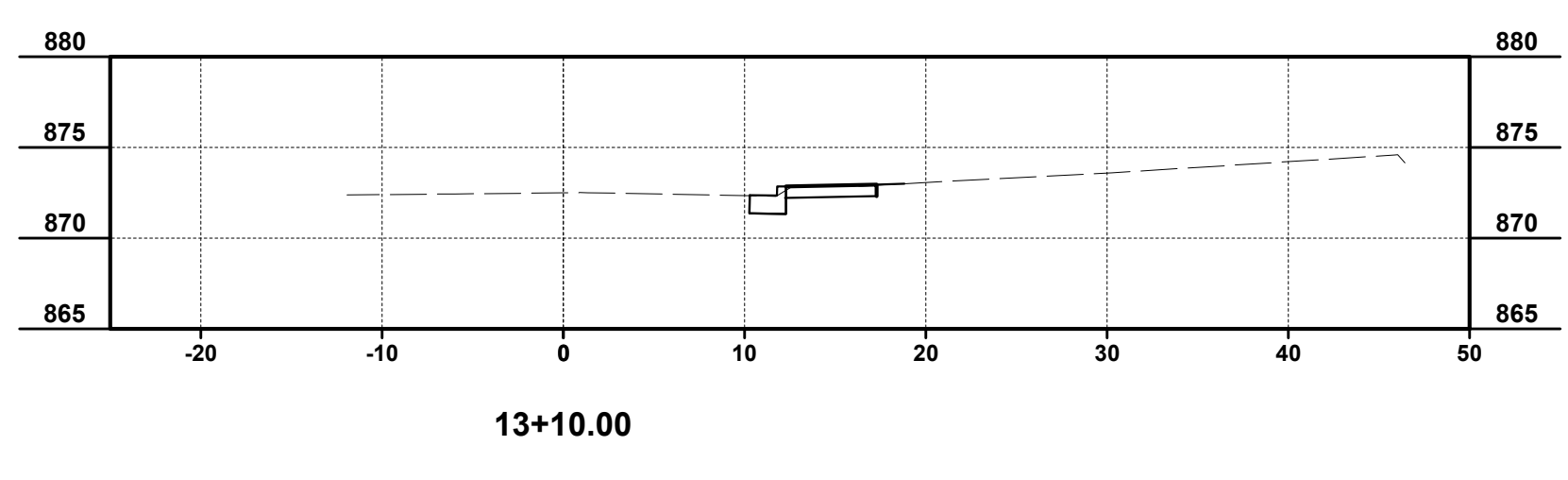
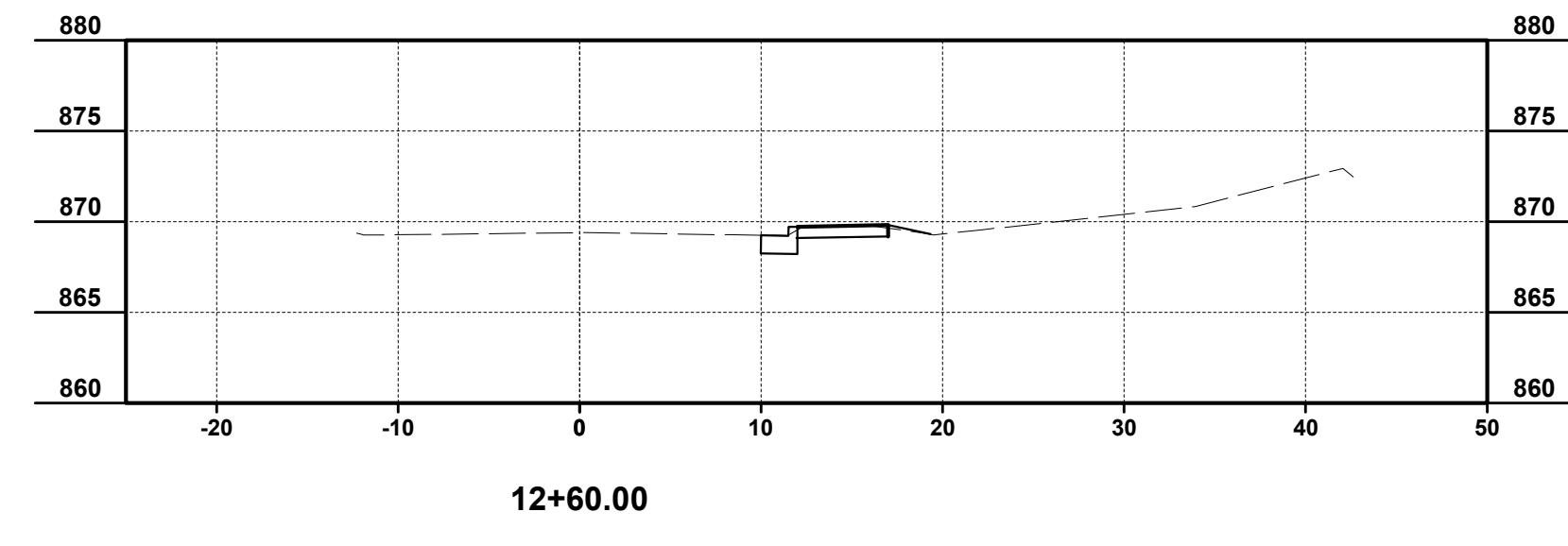
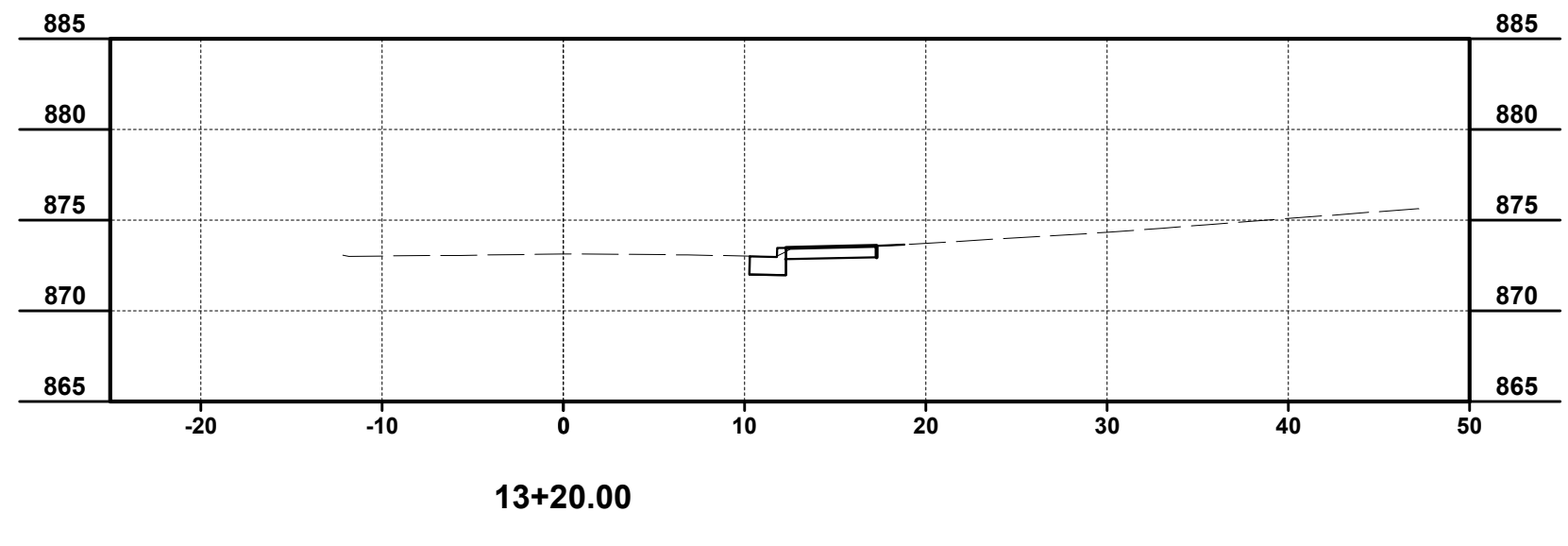
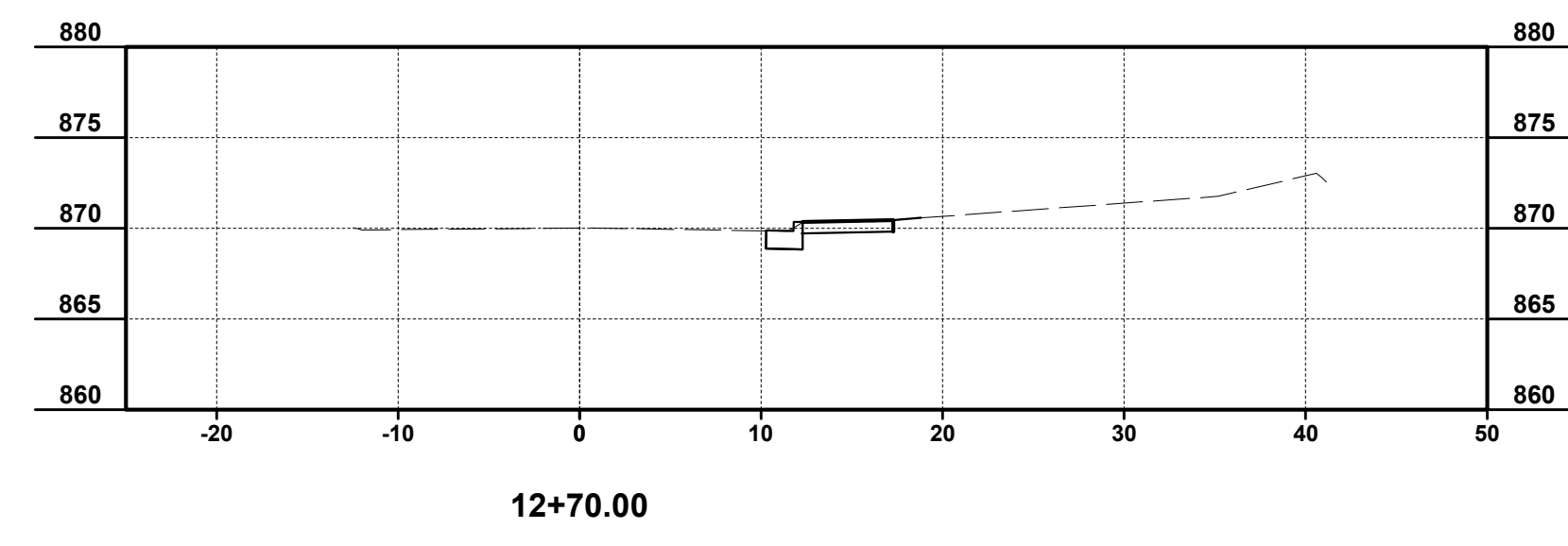
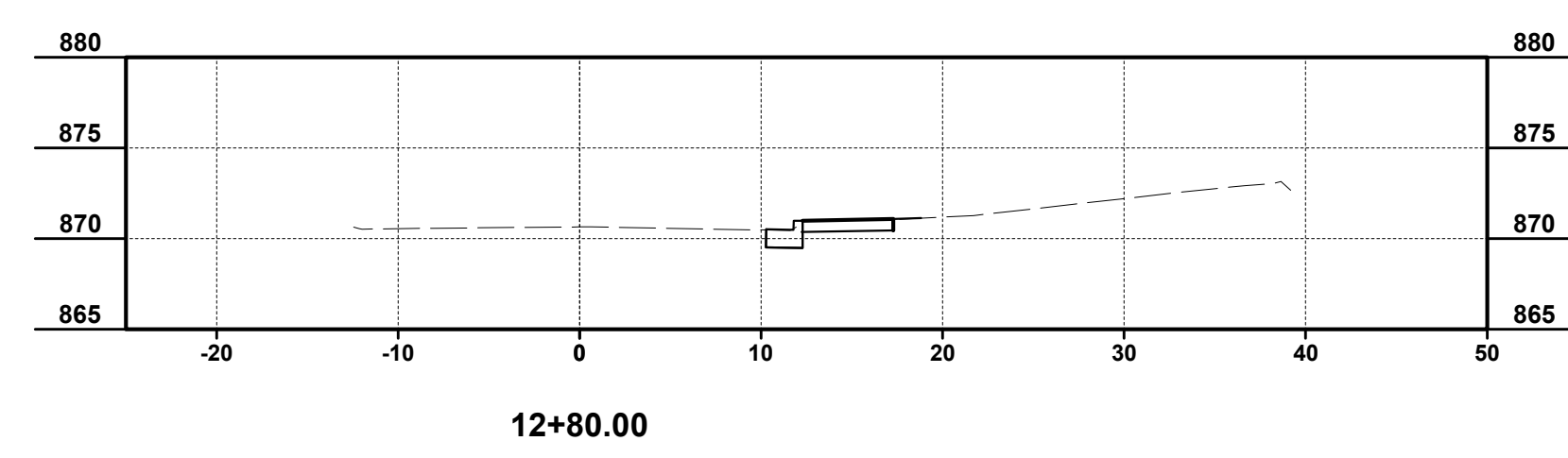
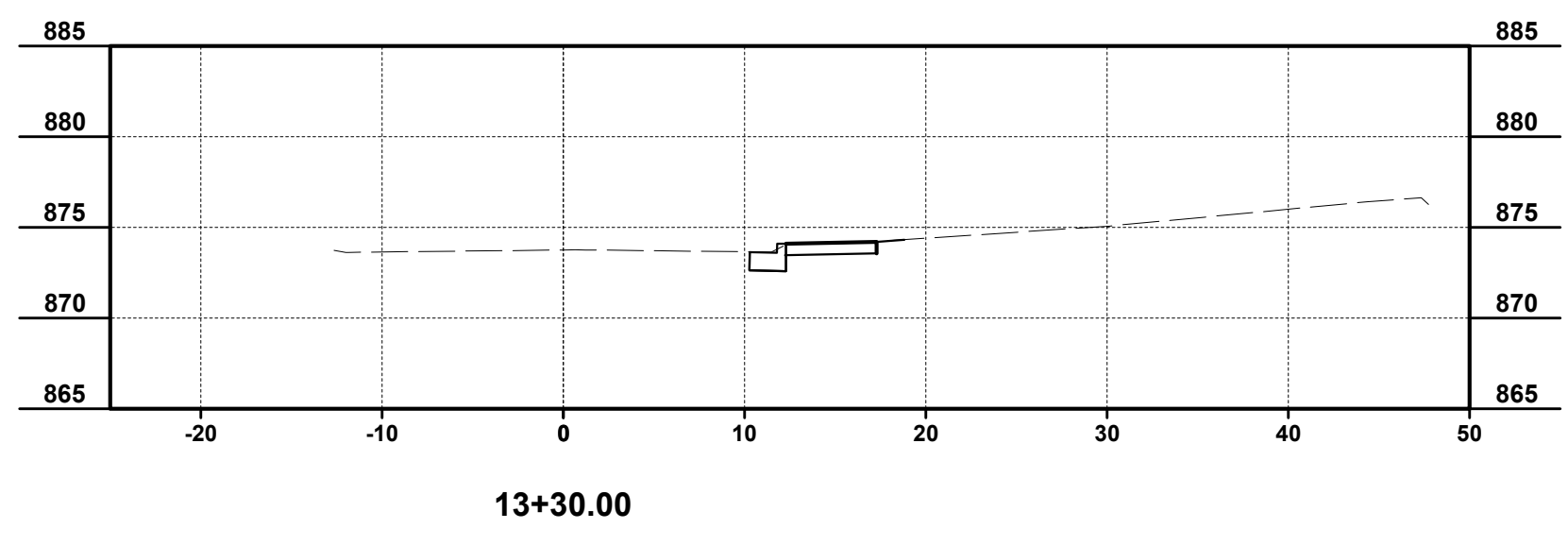
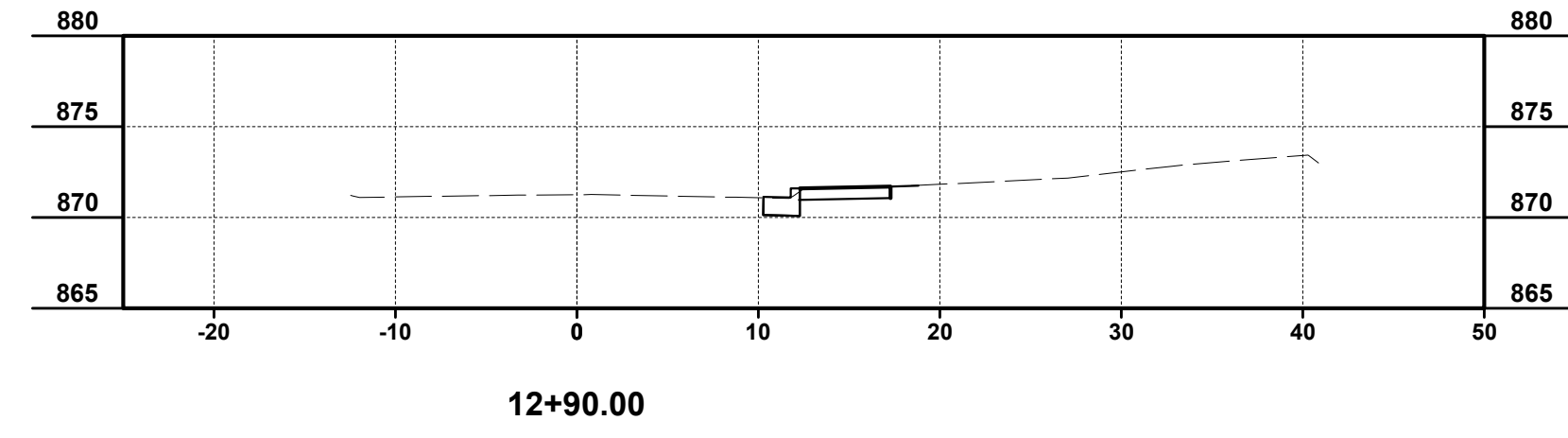
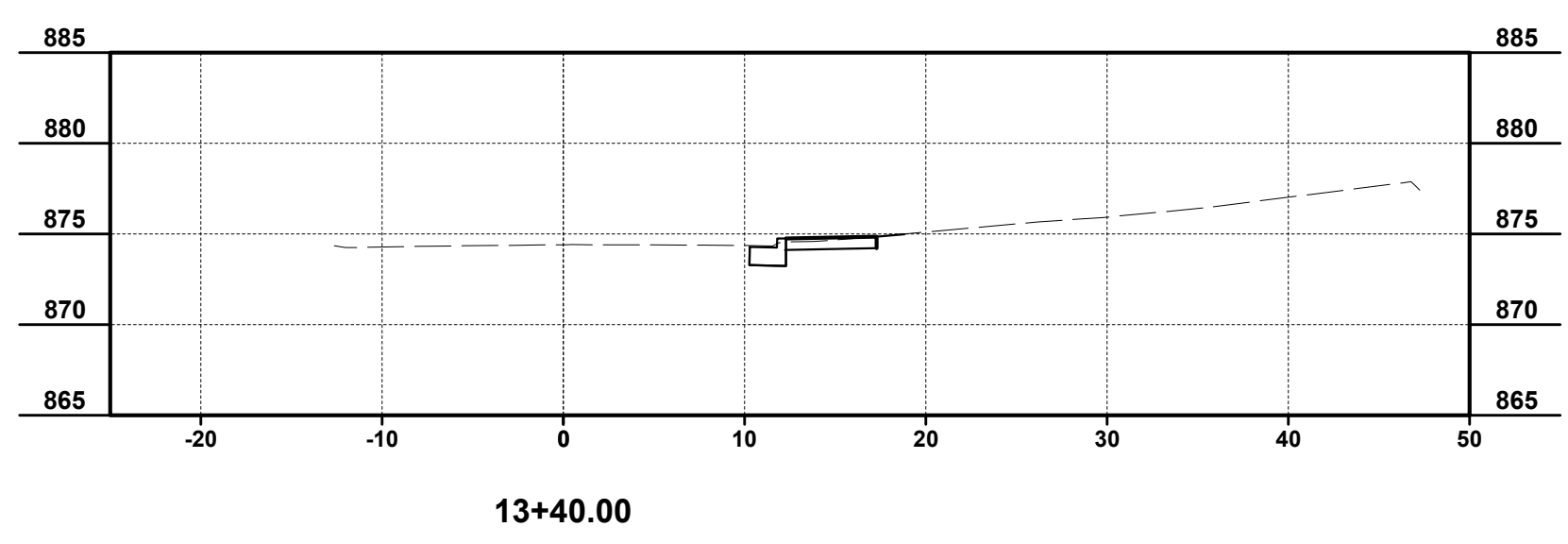
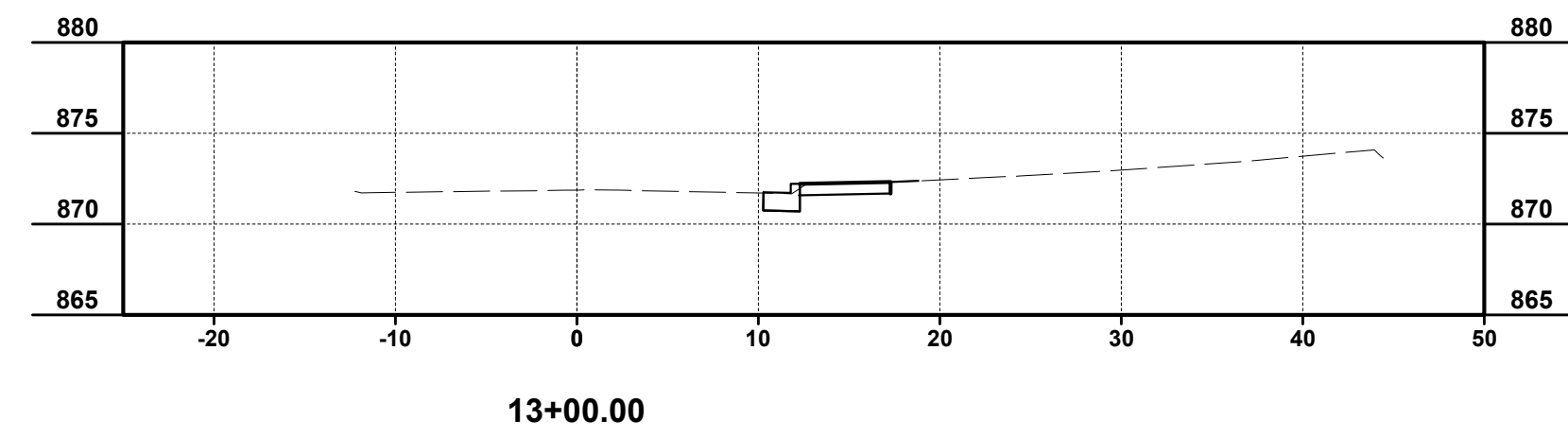


| ISSUED FOR: | BID NO | REVISION | DATE |
|-------------------|--------|----------|------|
| 3/14/24 | | | |
| AS SHOWN | | | |
| DESIGNED BY: DGAR | | | |
| DRAWN BY: DGAR | | | |
| CHECKED BY: MHEL | | | |

**GEORGE HUSER DRIVE
SIDEWALK RECONSTRUCTION
AND DRAINAGE REPAIR
- KENTON COUNTY, KENTUCKY -**

CROSS SECTION SHEET 2

| | |
|-------------|--------|
| PROJECT NO. | 232166 |
| DISCIPLINE | CIVIL |
| SHEET NAME | C7 |
| SHEET | 7 |
| OF | 8 |



| ISSUED FOR: | BID NO | REVISION | DATE |
|---------------------|--------|----------|------|
| ISSUE DATE: 3/14/24 | | | |
| SCALE: AS SHOWN | | | |
| DESIGNED BY: DGAR | | | |
| DRAWN BY: DGAR | | | |
| CHECKED BY: MHEL | | | |

**GEORGE HUSER DRIVE
SIDEWALK RECONSTRUCTION
AND DRAINAGE REPAIR
- KENTON COUNTY, KENTUCKY -**

CROSS SECTION SHEET 3

| | |
|-------------|--------|
| PROJECT NO: | 232166 |
| DISCIPLINE: | CIVIL |
| SHEET NAME: | C8 |
| SHEET: | 8 |
| OF: | 8 |