

POPLAR GROVE AIRPORT EXPANSION

11619 IL-76

POPLAR GROVE, IL 61065

GENERAL NOTES

- THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.
- THE CONTRACTOR, BY AGREEING TO PERFORM THE WORK, AGREES TO INDEMNIFY AND HOLD HARMLESS THE OWNER, THE ENGINEER, THE VILLAGE, AND ALL AGENTS AND ASSIGNS OF THOSE PARTIES, FROM ALL SUITS AND CLAIMS ARISING OUT OF THE PERFORMANCE OF SAID WORK, AND FURTHER AGREES TO DEFEND OR OTHERWISE PAY ALL LEGAL FEES ARISING OUT OF THE DEFENSE OF SAID PARTIES.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY MEASURES, IN, OR NEAR THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE SIGNS, BARRICADES, FENCING, TRAFFIC CONTROL DEVICES AND MEASURES, AND ALL OTHER MEASURES THAT ARE NECESSARY TO PROTECT THE SAFETY OF THE SITE AT ALL TIMES.
- MAINTAIN ACCESS FOR VEHICULAR AND PEDESTRIAN TRAFFIC AS REQUIRED FOR OTHER CONSTRUCTION ACTIVITIES. USE TRAFFIC CONTROL DEVICES TO INCLUDE TEMPORARY STRIPING, FLAGMEN, BARRICADES, WARNING SIGNS, AND WARNING LIGHTS SHALL BE IN ACCORDANCE WITH CURRENT MUTCD AND IDOT STANDARDS.
- ALL PHASES OF THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED INDUSTRY STANDARDS AND REQUIREMENTS SET FORTH BY THE THE OWNER'S "DESCRIPTION OF WORK" VILLAGE OF POPLAR GROVE, THE STATE OF ILLINOIS, AND THIS PLAN SET.
- THE VILLAGE OF POPLAR GROVE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OR RESUMPTION OF ANY WORK.
- THE CONTRACTOR SHALL COORDINATE ALL PERMIT AND INSPECTION REQUIREMENTS WITH RESPONSIBLE LOCAL, STATE, AND FEDERAL AGENCIES. THE CONTRACTOR SHALL INCLUDE THE COSTS OF THIS COORDINATION AND ALL INSPECTION FEES IN THE BID PRICE.
- ALL WORK PERFORMED BY THE CONTRACTOR SHALL COME WITH A WARRANTY AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS. THIS WARRANTY PERIOD SHALL RUN CONCURRENT WITH THE REQUIRED WARRANTY PERIODS THE OWNER MUST PROVIDE TO EACH LOCAL GOVERNMENT AGENCY, AS A CONDITION OF THE PERMIT.
- THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION OF THIS PROJECT.
- ALL STRUCTURES, INLETS, PIPES, SWALES, ROADS AND PUBLIC EGRESSSES MUST BE KEPT CLEAN AND FREE OF DIRT AND DEBRIS AT ALL TIMES.
- ANY FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECORDED SHOWING SIZE, LOCATION, AND DEPTH BY THE CONTRACTOR, AND EITHER RECONNECTED AND REROUTED OR CONNECTED TO THE STORM SEWER SYSTEM. THE OWNER SHALL BE NOTIFIED IMMEDIATELY UPON ENCOUNTERING ANY TILE.
- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY THE LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING PROPERTY CORNERS TO KNOWN PROPERTY LINES. NOTIFY THE ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING.
- ALL ELEVATIONS ARE ON NAVD 88 DATUM.
- PARKING AREAS DESIGNATED AS A.D.A. AND ALL SIDEWALK SHALL BE COMPLIANT WITH STATE AND LOCAL A.D.A. REQUIREMENTS.
- TACTILE WARNING PLATES PER IDOT SPECIFICATIONS SHALL BE PLACED AT ALL LOCATIONS WHERE SIDEWALK THAT IS TO BE REPLACED INTERSECTS PUBLIC ROADS AND AT LOCATIONS INDICATED IN THIS PLAN SET.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THIS INCLUDES SANITARY SEWER, WATER MAIN, STORM SEWER, AT&T COMMUNICATION, COMMONWEALTH EDISON, NICOR GAS, COMCAST & AT&T U-VERSE, IF ANY. THE J.U.L.I.E. NUMBER IS 1-800-892-0123.
- PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR.
- THE CONTRACTOR SHALL KEEP CAREFUL MEASUREMENTS AND RECORDS OF ALL CONSTRUCTION AND SHALL FURNISH THE ENGINEER, THE OWNER AND THE VILLAGE WITH RECORD DRAWINGS IN A DIGITAL FORMAT COMPATIBLE WITH AUTOCAD RELEASE 14 UPON COMPLETION OF HIS WORK.
- ANY EXCESS DIRT OR MATERIALS SHALL BE PLACED BY THE CONTRACTOR ONSITE AT THE OWNER'S DIRECTION OR AS INDICATED ON THE PLANS.
- NOTIFY THE OWNER AND VILLAGE OF POPLAR GROVE OF ANY EXISTING WELLS. OBTAIN PERMIT FORM THE ILLINOIS BUREAU OF MINERALS AND THE STATE WATER SURVEY. CAP AND ABANDON WELLS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- FINISH GRADE SHALL IN ALL AREAS NOT SPECIFICALLY RESERVED FOR STORM WATER MANAGEMENT SHALL DRAIN FREELY. NO PONDING SHALL OCCUR. TOLERANCES TO BE OBSERVED WILL BE MEASURED TO THE NEAREST 0.04 OF A FOOT FOR PAVED SURFACES AND 0.10 OF A FOOT FOR UNPAVED AREAS.

UTILITY OFFICIALS

PUBLIC WORKS DEPARTMENT:
PUBLIC WORKS DEPARTMENT
200 N. HILL STREET
DAVID HOWE
PUBLIC WORKS DIRECTOR
(815) 765-3201

WATER DEPARTMENT:
PUBLIC WORKS DEPARTMENT
200 N. HILL STREET
PUBLIC WORKS DIRECTOR
(815) 765-3201

ELECTRIC:
COMED
(877) 334-7661
GAS:
NICOR NATURAL GAS
(888) 642-6748

SEWER DISTRICT:
PUBLIC WORKS DEPARTMENT
200 N. HILL STREET
PUBLIC WORKS DIRECTOR
(815) 765-3201

CABLE TELEVISION:
COMCAST
(866) 594-1234
AT&T U-VERSE
(877) 641-5933

TELEPHONE:
AT&T
(800) 244-4444

VICINITY MAP



APPROVAL

VILLAGE OF POPLAR GROVE
IEPA (NOI)

DATE

PENDING
PENDING



DIAL 811 OR (800)
892-0123

OWNER:

STEVE THOMAS

11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

ENGINEER:



SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
C-00	COVER
C-01	GENERAL NOTES
C-02	GENERAL NOTES
C-03	OVERALL PLAN
C-04	NEIGHBORHOOD PLAN
C-05	OVERALL RESTORATION PLAN
C-06	RESTORATION PLAN WEST
C-07	RESTORATION PLAN EAST
C-08	EXISTING POND RESTORATION PLAN
C-09	SWALE AND PROPOSED POND RESTORATION PLAN
C-10	OVERALL SWPPP PLAN
C-11	SWPPP PLAN WEST
C-12	SWPPP PLAN EAST
C-13	SWPPP PLAN SWALE AND POND
C-14	SWPPP DETAILS
C-15	SWPPP DETAILS
C-16	OVERALL REMOVALS PLAN
C-17	CURTISS COURT 300+00 - 305+00
C-18	CURTISS COURT 305+00 - 309+50
C-19	TRAVEL AIR WAY 309+50 - 312+44.05
C-20	TRAVEL AIR WAY 500+00 - 505+00
C-21	TRAVEL AIR WAY 505+00 - 509+95.05
C-22	WEST TAXIWAY 200+00 - 203+00
C-23	WEST TAXIWAY 203+00 - 208+00
C-24	WEST TAXIWAY 208+00 - 212+76
C-25	CENTER TAXIWAY 400+00 - 403+00
C-26	CENTER TAXIWAY 403+00 - 408+00
C-27	CENTER TAXIWAY 408+00 - 411+76
C-28	EAST TAXIWAY 600+00 - 603+00
C-29	EAST TAXIWAY 603+00 - 608+00
C-30	EAST TAXIWAY 608+00 - 612+51
C-31	AUXILIARY TAXIWAY 700+00 - 704+00
C-32	AUXILIARY TAXIWAY 704+00 - 706+52
C-33	MAIN TAXIWAY 800+00 - 804+00
C-34	MAIN TAXIWAY 804+00 - 809+00
C-35	MAIN TAXIWAY 809+00 - 812+72.35
C-36	RUNWAY GRADING PLAN NORTH
C-37	RUNWAY GRADING PLAN SOUTH
C-38	DETENTION BASIN PLAN
C-39	CURTISS COURT CROSS SECTIONS 300+00 - 303+50
C-40	CURTISS COURT CROSS SECTIONS 304+00 - 307+50
C-41	CURTISS COURT CROSS SECTIONS 308+00 - 309+50
C-42	TRAVEL AIR WAY CROSS SECTIONS 310+00 - 311+96.76
C-43	TRAVEL AIR WAY CROSS SECTIONS 500+00 - 503+50
C-44	TRAVEL AIR WAY CROSS SECTIONS 504+00 - 507+50
C-45	TRAVEL AIR WAY CROSS SECTIONS 508+00 - 509+65.76
C-46	WEST TAXIWAY CROSS SECTIONS STA. 200+00 - 212+51.10
C-47	CENTER TAXIWAY CROSS SECTIONS STA. 400+00 - 411+76.28
C-48	EAST TAXIWAY CROSS SECTIONS STA. 600+00 - 607+00
C-49	EAST TAXIWAY CROSS SECTIONS STA. 608+00 - 612+50.92
C-50	AUXILIARY TAXIWAY CROSS SECTIONS STA. 700+00 - 706+52
C-51	MAIN TAXIWAY CROSS SECTIONS STA. 800+00 - 806+00
C-52	MAIN TAXIWAY CROSS SECTIONS STA. 807+00 - 812+32.34
C-53	DETAILS
C-54	DETAILS
C-55	NORTH WATER MAIN PROFILE
C-56	SOUTH WATER MAIN PROFILE



PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTRY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
AGENCY REVIEW	AGENCY REVIEW	---	---	---	---	---	---	---	---	---	---
03-17-2025	06-27-2025	---	---	---	---	---	---	---	---	---	---

ITEM	DATE
1.	---
2.	---
3.	---
4.	---
5.	---
6.	---

SHEET TITLE

COVER

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-00

EARTHWORK NOTES

- UNSUITABLE MATERIALS:
ASSUME THAT IF UNSUITABLE MATERIALS ARE ENCOUNTERED AND THE REPLACEMENT OF THESE MATERIALS IS REQUIRED, THIS SITUATION SHALL BE HANDLED AS FOLLOWS:
A. THE SITE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY. THE PROJECT SUPERINTENDENT, PRIOR TO THE UNDERCUTTING BEING COMPLETED, SHALL APPROVE ANY ADDITIONAL UNDERCUTTING. THE QUANTITIES SHALL BE VERIFIED BY THE ENGINEER AS THE ADDITIONAL REMOVAL IS BEING COMPLETED.
B. IF APPROVED BY THE ENGINEER, THESE MATERIALS SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR MATERIALS AND COMPACTED IN ACCORDANCE TO REQUIRED STANDARDS. THE COST OF THIS WORK SHALL BE AN EXTRA TO THE CONTRACT, WITH THE COST BEING ADJUSTED BY CHANGE ORDER. IF THE SITE CONTRACTOR IS FURNISHING ANY OFF SITE MATERIALS, A REPRESENTATIVE SAMPLE OF SUCH MATERIALS SHALL BE FURNISHED TO THE GENERAL CONTRACTOR'S APPROVED TESTING AGENCY TO DETERMINE A PROCTOR.
C. THESE MATERIALS SHALL BE PLACED AS HOMOGENEOUSLY AS POSSIBLE TO FACILITATE ACCURATE COMPACTION AND MOISTURE TESTING.
- DEFINITION FOR MATERIALS:
A. "ORGANIC MATERIAL" IS DEFINED AS MATERIAL HAVING AN ORGANIC CONTENT IN EXCESS OF 8% OR AS DETERMINED BY THE PROJECT OWNER'S ENGINEER.
B. TOPSOIL SHALL BE FRIABLE AND LOAMY (LOAM, SANDY LOAM, SILT LOAM, SANDY CLAY LOAM, OR CLAY LOAM).
B.1. SAND CONTENT SHALL GENERALLY BE LESS THAN 70% BY WEIGHT.
B.2. CLAY CONTENT SHALL GENERALLY BE LESS THAN 35% BY WEIGHT.
B.3. ORGANIC SOILS, SUCH AS PEAT OR MUCK, SHALL NOT BE USED AS TOPSOIL.
C. TOPSOIL SHALL BE RELATIVELY FREE FROM LARGE ROOTS, WEEDS, BRUSH, OR STONES LARGER THAN 25 MM (1 INCH). AT LEAST 90% SHALL PASS THE 2.00 MM (NO. 10) SIEVE.
D. TOPSOIL PH SHALL BE BETWEEN 5.0 AND 8.0. TOPSOIL ORGANIC CONTENT SHALL NOT BE LESS THAN 1.5% BY WEIGHT. TOPSOIL SHALL CONTAIN NO SUBSTANCE THAT IS POTENTIALLY TOXIC TO PLANT GROWTH.
E. "EXISTING ON-SITE MATERIAL WITHIN MOISTURE CONTENT LIMITS" IS DEFINED AS MATERIAL OF SUCH A QUALITY THAT THE SPECIFIED COMPACTION CAN BE MET WITHOUT ANY ADDITIONAL WORK OTHER THAN "DENSIFYING" WITH A ROLLER. SCARIFICATION AND DRYING OF THIS MATERIAL WILL NOT NEED TO BE DONE PRIOR TO COMPACTION.
F. "EXISTING ON-SITE MATERIAL NOT WITHIN MOISTURE CONTENT LIMITS" IS DEFINED AS MATERIAL WITH A HIGH MOISTURE CONTENT THAT CAN NOT MEET SPECIFIED COMPACTION REQUIREMENTS WITHOUT SCARIFICATION AND DRYING, CHEMICAL STABILIZATION, ETC. OF THIS MATERIAL PRIOR TO COMPACTION.
G. "UNSUITABLE MATERIAL" IS DEFINED AS ANY MATERIALS THAT:
G.1. CANNOT BE UTILIZED AS "TOPSOIL" (ORGANIC) FOR LANDSCAPE AREAS.
G.2. CANNOT BE UTILIZED AS "ENGINEERED FILL" REGARDLESS OF MOISTURE CONTENT AND / OR DOES NOT STRUCTURALLY MEET THE STANDARDS OF THE PROJECT OWNER'S ENGINEER'S RECOMMENDATIONS FOR "ENGINEERED FILL".
G.3. CAN BE DEFINED AS NATURAL MATERIALS OR MATERIALS FROM "DEMOLITION" AND / OR EXCAVATED AREAS (I.E., MATERIALS THAT WOULD NOT BE SUITABLE FOR "ENGINEERED FILL").
H. "OFF-SITE MATERIAL" IS DEFINED AS ANY MATERIALS THAT ARE BROUGHT FROM ANY AREA NOT INDICATED ON THIS PLAN SET.
I. "TRENCH BACKFILL" SHALL BE DEFINED AS ANY MATERIALS USED FOR THE PURPOSES OF BACKFILLING ANY TRENCH AND / OR ANY EXCAVATION REQUIRING BACKFILLING. REFER TO "STANDARDS FOR FILL AREAS" TO DETERMINE ACCEPTABLE MATERIALS AND PROCEDURES.
J. THE TERM "STRIPPING" OR "STRIP" AS USED HEREIN SHALL BE DEFINED AS THE REMOVAL OF ALL "ORGANIC MATERIALS" FROM A GIVEN AREA. THE TERM "ORGANIC MATERIALS" IS DEFINED AS MATERIAL HAVING AN ORGANIC CONTENT OVER 8% BASED ON ASTM D2974, OR AS DEFINED BY THE OWNER'S ENGINEER.
3. STANDARDS FOR CUT AREAS:
A. A "CUT AREA" IS DEFINED AS ANY AREA WHERE "ENGINEERED FILL" IS NOT REQUIRED TO BRING THE SITE TO DESIGN SUBGRADE ELEVATION. INSTEAD, EXCAVATION OR "CUTTING" IS REQUIRED TO ACHIEVE DESIGN SUBGRADE ELEVATION ("ENGINEERED FILL" BEING DEFINED AS ANY MATERIAL BEING "OFFSITE MATERIAL").
B. IN "CUT AREAS" THE SITE CONTRACTOR SHALL PERFORM ONE OF THE FOLLOWING PROCEDURES AT THE DISCRETION AND IN THE PRESENCE OF A REPRESENTATIVE OF THE OWNER'S ENGINEER AND THE PROJECT ARCHITECT:
B.1. FOR EXPOSED BUILDING OR PARKING LOT SUBGRADES CONSISTING PRIMARILY OF GRANULAR SOILS, THE EXPOSED SUBGRADE SHOULD BE COMPACTED / DENSIFIED BY AT LEAST ONE (1) PASS OF A SHOOT-DRY ROLLER HAVING A MINIMUM GROSS WEIGHT OF 10 TONS.
B.2. FOR EXPOSED BUILDING OR PARKING LOT SUBGRADES CONSISTING PRIMARILY OF COHESIVE SOILS, THE EXPOSED SUBGRADES SHOULD BE PROOF-ROLLED WITH A FULLY-LOADED SIX-WHEEL TRUCK HAVING A MINIMUM GROSS WEIGHT OF 25 TONS. THE MAXIMUM ALLOWABLE DEFLECTION UNDER THE SPECIFIED EQUIPMENT SHALL BE 1/2".
C. IN THE EVENT THAT ADEQUATE STABILITY OF GRANULAR SOILS SUBGRADES CANNOT BE ACHIEVED BY THE PROCEDURES AS OUTLINED IN ITEM 1 ABOVE, OR THAT DEFLECTIONS GREATER THAN 1/2" ARE OBSERVED DURING THE "PROOF ROLLING" OF COHESIVE SOILS SUBGRADES (AS OUTLINED IN ITEM 2 ABOVE) ADDITIONAL CORRECTIVE MEASURES WILL BE REQUIRED. THESE MEASURES COULD INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, SCARIFICATION, MOISTURE CONDITIONING, RE-COMPACTION, UNDERLAYMENT WITH ENGINEERED FILL OR CRUSHED STONE, OR CRUSHED STONE, GEOTEXTILES, OR CHEMICAL STABILIZATION.
D. IT SHALL BE CONSIDERED AS PART OF THE SCOPE OF THESE DOCUMENTS (AND THIS PART OF THIS CONTRACTOR'S RESPONSIBILITY) TO PERFORM SCARIFICATION AND DRYING OF THE SUBGRADE PER ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARDS (SCARIFY A 16" DEPTH FOR 3 DAYS). IF THIS DOES NOT WORK THEN ADDITIONAL DRYING MEASURES SHALL BE AN EXTRA TO THE CONTRACT.
E. ANY PROPOSED CORRECTIVE MEASURES BY THE CONTRACTOR SHOULD BE REVIEWED BY THE OWNER'S ENGINEER AND THE PROJECT ARCHITECT. IN THE EVENT THAT IN THE OPINION OF THE OWNER'S ENGINEER AND / OR THE PROJECT ARCHITECT PROOF ROLLING IS NOT A GOOD INDICATOR OF THE SUBGRADE STABILITY, AN ALTERNATIVE METHOD SHALL BE SPECIFIED BY THE OWNER'S ENGINEER AND / OR THE PROJECT ARCHITECT.
- STANDARDS FOR FILL AREAS:
A. A "FILL" AREA IS DEFINED AS ANY AREA WHERE MATERIAL IS REQUIRED TO ADJUST THE EXISTING ELEVATION TO A PROPOSED SUBGRADE ELEVATION (THESE AREAS REQUIRE INSTALLATION OF "ENGINEERED FILL" TO ACHIEVE DESIGN SUBGRADE ELEVATION). "ENGINEERED FILL" MATERIAL CAN BE DEFINED AS EITHER "GRANULAR SOIL" OR "SOIL" THAT IS EITHER FROM THE CONSTRUCTION SITE OR IS "OFFSITE MATERIAL". MATERIALS HAVING THEIR ORIGIN FROM THE CONSTRUCTION SITE IS REFERRED TO AS "BORROW". THE COMPOSITION AND THE COMPACTION STANDARDS OF THE ENGINEERED FILL FOR THIS PROJECT WILL BE SPECIFIED BY OWNER'S ENGINEER AND THE PROJECT ARCHITECT.
B. IN "FILL" AREAS, "BORROW" MATERIALS ARE ALLOWED TO BE UTILIZED AS ENGINEERED FILL SUCH THAT THE SITE CONTRACTOR COMPACTS THE "BORROW" AREAS TO THE SPECIFIED COMPACTION.
5. COMPACTION STANDARDS (FOR ENGINEERED FILL AND BACK FILLED AREAS)
A. PRIOR TO PLACEMENT OF FILL IN AREAS BELOW THE DESIGN GRADE, THE EXPOSED SUBGRADE SHOULD BE OBSERVED BY A REPRESENTATIVE OF THE OWNER'S ENGINEER TO EVALUATE THAT ADEQUATE STRIPPING HAS BEEN PERFORMED. ADDITIONALLY, THE PROOF ROLLING OR COMPACTION PROCEDURES OUTLINED IN THE "STANDARDS FOR CUT AREAS" SECTION OF THESE NOTES SHOULD BE PERFORMED. IT IS TYPICAL PRACTICE TO PROOF ROLL (AND DENSIFY IF NECESSARY) EXPOSED SUBGRADES PRIOR TO FILLING. IF SOFT OR UNSTABLE SUBGRADES ARE OBSERVED, THESE AREAS SHOULD BE STABILIZED OR UNDERCUT. MINIMUM COMPACTION STANDARDS ARE BASED UPON A PERCENTAGE OF THE FILL OR BACKFILL MATERIAL'S MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D698). ALL ENGINEERED SUBGRADES SHOULD MEET THE FOLLOWING MINIMUM COMPACTION:
A.1. AREAS UNDER FOUNDATIONS BASES:
A.1.A. 95% STANDARD PROCTOR FOR ALL FILL PLACED BELOW FOUNDATION BASE ELEVATION IN THE BUILDING AREA.
A.2. AREAS UNDER FLOOR SLABS AND ABOVE FOUNDATIONS/FOOTING BASES:
A.2.A. 95% STANDARD PROCTOR FOR ALL FILL PLACED MORE THAN 12 INCHES BELOW FINAL GRADE FOR SUPPORT OF FLOOR SLABS AND ABOVE FOUNDATION BASE ELEVATION IN THE BUILDING AREA.
A.2.B. 95% STANDARD PROCTOR FOR ALL FILL PLACED IN THE UPPER 12 INCHES OF DESIGN SUBGRADE BELOW SLABS. THE GRANULAR FILL UNDER THE FLOOR SLAB SHOULD BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR.
A.3. AREAS UNDER PAVEMENT SECTIONS:
A.3.A. 95% STANDARD PROCTOR FOR ALL FILL PLACED MORE THAN 12 INCHES BELOW PASSENGER CAR PAVEMENT SECTIONS AND 95% STANDARD PROCTOR FOR THE TOP 12 INCHES.
A.4. LANDSCAPED AREAS:
A.4.A. 90% STANDARD PROCTOR FOR ALL FILL PLACED IN LANDSCAPE AREAS. THESE AREAS SHOULD BE BROUGHT TO GRADE WITH "TOPSOIL" TO A DEPTH OF 12 INCHES IN AREAS TO BE SEEDDED, 6 INCHES IN AREAS TO BE SODDED, AND 24 INCHES FOR ALL INTERIOR CURBED LANDSCAPE ISLANDS.
A.5. BASE COURSE PORTION OF PAVEMENT SECTIONS:
A.5.A. 95% STANDARD PROCTOR FOR ALL BASE COURSE MATERIALS THAT ARE PART OF A "PAVEMENT SECTION".
B. THE OPTION OF UTILIZING THE MODIFIED PROCTOR (ASTM D1557) IN LIEU OF THE SPECIFIED STANDARD PROCTOR (ASTM D698) SHALL BE AT THE DISCRETION OF THE GENERAL CONTRACTOR, CONTINGENT UPON WRITTEN APPROVAL BY THE ARCHITECT AND OWNER'S ENGINEER.
C. ALL BACKFILL AND FILL MATERIALS SHALL BE PLACED IN LIFTS NOT GREATER THAN 8" IN LOOSE DEPTH. BEFORE COMPACTING, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DENSITY OF THE AREA.
6. FINISH GRADING:
A. THE TERM "FINISH GRADING" AS USED HEREIN SHALL BE DEFINED AS THAT CONDITION THAT AREAS NOT RECEIVING A FINISH PRODUCT SUCH AS PARKING AREAS, DRIVEWAYS, ROADWAYS, SIDEWALKS, ETC. FINISH GRADED AREAS WOULD GENERALLY BE THOSE AREAS RECEIVING "LANDSCAPING" SUCH AS SEED, SOD, TREES, BUSHES, MULCH, ETC.
B. THE SITE CONTRACTOR IS RESPONSIBLE FOR "FINISH GRADING" ALL AREAS WITHIN THE PERIMETER OF THE "CONSTRUCTION SITE". THE DEFINITION OF THE "CONSTRUCTION SITE" IS THE AREA ENCOMPASSING ALL DISTURBED AREAS THAT WERE DISTURBED AS A RESULT OF THE CONSTRUCTION PROCESS RELATING TO THE GENERAL CONTRACT OF WHICH THIS SITE CONTRACT WAS PART OF.

GENERAL PAVING NOTES

- ALL PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING:
A. CONCRETE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (STANDARD SPECIFICATIONS), LATEST EDITION, INCLUDING ALL UPDATES AND STANDARDS THERETO.
B. STANDARDS AND REQUIREMENTS OF THE VILLAGE OF POPLAR GROVE.
C. ADDITIONAL DETAILS AND REQUIREMENTS PROVIDED IN THE CONTRACT DOCUMENTS, INCLUDING THIS PLAN SET.
2. ALL PROPOSED PAVEMENT AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO WITHIN 0.10 FEET OF DESIGN SUBGRADE.
3. THE SUBGRADE OF PAVEMENT AREAS SHALL BE FREE OF ALL UNSUITABLE MATERIAL AND SHALL BE COMPACTED TO A MINIMUM 95 PER CENT OF STANDARD PROCTOR DENSITY.
4. THE SUBGRADE SHALL BE PROOF ROLLED, INSPECTED AND APPROVED BY THE (LOCAL AGENCY) PRIOR TO PLACING THE BASE MATERIAL. NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO FINISHED SUBGRADE PREPARATION.
5. THE EARTHWORK CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF SPOIL MATERIAL FROM THE UNDERGROUND CONTRACTORS, PREPARING THE ROADWAY SUBGRADE, PROOF ROLLED, PLACING TOPSOIL TO A MINIMUM DEPTH OF 4 INCHES TO FINISHED GRADE IN THE PARKWAYS AREAS ONLY. GRADING OF DRAINAGE SWALES, AND ALL OTHER TASKS AS DIRECTED BY THE OWNER OR ENGINEER.
6. THE QUANTITIES CONTAINED IN THESE DOCUMENTS ARE APPROXIMATE AND ESTIMATED, AND ARE PRESENTED AS A GUIDE TO THE CONTRACTOR IN DETERMINING THE SCOPE OF WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL QUANTITIES AND TO BECOME FAMILIAR WITH THE SITE AND SOIL CONDITIONS.
7. THE PAVING CONTRACTOR IS RESPONSIBLE FOR THE FINAL SUBGRADE PREPARATION, PROOF ROLLING, THE PAVEMENT BASE, BINDER, AND SURFACE, AND ALL FINAL CLEAN-UP AND RELATED WORK ASSOCIATED WITH THE PAVING OPERATION.
8. THE PROPOSED PAVEMENT SHALL BE OF THE TYPE AND THICKNESS AS SPECIFIED IN THE ENGINEERING DRAWINGS, AND CONSTRUCTED IN STRICT CONFORMANCE WITH THE PREVIOUSLY REFERENCED IDOT STANDARD SPECIFICATIONS AND VILLAGE OF POPLAR GROVE.
9. AREAS OF DEFICIENT PAVING, INCLUDING COMPACTION, SMOOTHNESS, THICKNESS, AND ASPHALT MIXTURE, SHALL BE DELINEATED, REMOVED, AND REPLACED IN COMPLIANCE WITH SPECIFICATIONS REQUIREMENTS UNLESS CORRECTED OTHERWISE AS DIRECTED AND APPROVED BY THE OWNER.
10. FIELD QUALITY CONTROL TESTS SPECIFIED HEREIN WILL BE CONDUCTED BY THE OWNER'S INDEPENDENT TESTING LABORATORY (ITL) AT NO COST TO THE CONTRACTOR. ANY TESTING AND INSPECTION RESULTING FROM THE REQUIREMENTS OF NECESSARY PERMITS BY VILLAGE OF POPLAR GROVE OR THE STATE OF ILLINOIS SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PERFORM ADDITIONAL TESTING AS REQUIRED NECESSARY BY THE CONTRACTOR FOR ASSURANCE OF QUALITY CONTROL. RETESTING REQUIRED AS A RESULT OF FAILED INITIAL TESTS SHALL BE AT THE CONTRACTOR'S EXPENSE.
A. FIELD TESTING, FREQUENCY, AND METHODS MAY VARY AS DETERMINED BY AND BETWEEN THE OWNER, THE ITL AND VILLAGE OF POPLAR GROVE.
B. TESTING SHALL BE PERFORMED ON FINISHED SURFACE OF EACH ASPHALT CONCRETE COURSE FOR SMOOTHNESS, USING 10' 0" STRAIGHTEDGE APPLIED PARALLEL WITH, AND AT RIGHT ANGLES TO CENTERLINE OF PAVED AREA, THE FOLLOWING TOLERANCES IN 10 FT SHALL NOT BE EXCEEDED: BASE COURSE SURFACE: 1/4-INCH, WEARING COURSE SURFACE: 1/8-INCH.
C. NO PONDING SHALL OCCUR ON PAVED SURFACES.

PAVEMENT MARKING NOTES

- MATERIAL DESCRIPTION: A FAST DRYING, HIGH HIDING MARKING PAINT FOR CONCRETE, BRICK, AND BITUMINOUS SURFACE, SUITABLE FOR PAINTING CENTERLINES AND EDGELINES OF HIGHWAYS, VILLAGE CROSSWALKS AND STOP ZONES, PARKING LOTS, TRAFFIC AISLES, ETC. DO NOT APPLY TO IN TEMPERATURES BELOW 50 °F.

SANITARY SEWER NOTES

- SANITARY SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING:
A. STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (STANDARD SPECIFICATIONS), EIGHTH EDITION DATED 2020 (AND ALL REVISIONS AND SUPPLEMENTS THERETO).
B. ALL APPLICABLE STATE AND LOCAL PLUMBING CODES.
C. ADDITIONAL DETAILS AND REQUIREMENTS PROVIDED IN THE CONTRACT DOCUMENTS, INCLUDING THIS PLAN SET.
WHERE CRITERIA OF THE AFOREMENTIONED SPECIFICATIONS CONFLICT, THE MORE STRINGENT CRITERIA SHALL BE IMPLEMENTED.
2. CONTACT ALL PUBLIC AND PRIVATE UTILITY COMPANIES 48 HOURS PRIOR TO ANY EXCAVATION. COST OF REPLACEMENT OR REPAIR OF EXISTING UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY FLOOR, CURB OR PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCE TO SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL CONTROL PRIOR TO PROCEEDING WITH WORK.
4. REFER TO BUILDING PLANS FOR EXACT LOCATIONS OF NEW UTILITY ENTRIES.
5. INSTALL CLEANOUTS AND MANHOLES IN ACCORDANCE WITH THE STANDARD DETAILS IN THIS PLAN SET AND WITH THE AFOREMENTIONED SPECIFICATIONS. THE CONTRACTOR SHALL ADJUST ALL CLEANOUTS AND MANHOLE CASTINGS TO FINAL GRADE AS DEFINED IN THIS PLAN SET.
6. CAP ENDS OF ANY CONDUITS INSTALLED AND MARK ENDS.
7. ALL SANITARY SEWERS UNDER AND WITHIN TWO FEET OF ANY EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED WITH GRANULAR BACKFILL MATERIAL IDOT GRADATION FA-6 OR APPROVED EQUAL (GRADE 8 OR GRADE 9).
8. SANITARY SEWER SERVICES SHALL BE 4" WATERMAIN QUALITY SDR 26 PVC IN ACCORDANCE WITH ASTM D2241, OR SOLVENT WELDED SCH. 40 PVC IN ACCORDANCE WITH ASTM D1785 AND D2665. ALL SERVICES SHALL BE SLOPED FROM THE MAIN AT 1% MINIMUM UNLESS OTHERWISE NOTED.
9. SANITARY MAINS SHALL BE 8" SDR 26 PVC IN ACCORDANCE WITH ASTM D2241.
10. JOINTS FOR ALL SANITARY SEWER SHALL BE SOLVENT CEMENTED JOINTS IN ACCORDANCE WITH ASTM D2855 OR FLEXIBLE ELASTOMERIC SEAL IN ACCORDANCE WITH ASTM D3212.
11. ALL NEW SANITARY MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C1244.
12. BEDDING CLASS FOR FLEXIBLE PIPE SHALL BE 1A (CA-6 CRUSHED STONE IN ACCORDANCE WITH ASTM 2321-89. IF TRENCH BOTTOM IS WET, CA-7 SHALL BE USED).
13. INFILTRATION TESTING:
A. IT IS THE INTENT OF THIS TITLE TO SECURE A SEWER SYSTEM WITH A MINIMUM AMOUNT OF INFILTRATION. THE MAXIMUM ALLOWABLE INFILTRATION SHALL NOT EXCEED TWO HUNDRED GALLONS PER INCH OF DIAMETER OF SEWER PER MILE PER TWENTY-FOUR HOUR DAY AT ANY TIME FOR ANY SECTION OF THE SYSTEM. THE JOINTS SHALL BE TIGHT AND ANY JOINT WITH VISIBLE LEAKAGE OR LEAKAGE IN EXCESS OF THE AMOUNT SPECIFIED ABOVE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
B. THE REPAIR MUST BE OF A PERMANENT NATURE AND OF A QUALITY EQUAL TO INITIAL WORK WHICH IS CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE SPECIFICATIONS.
C. IMMEDIATELY AFTER BACKFILLING, THE ENTIRE LENGTH OF THE SEWER TRENCH, INCLUDING STUBS, SHALL BE INUNDATED TO NORMAL GROUND WATER LEVEL OR EIGHTEEN INCHES ABOVE THE TOP OF SEWER PIPE, WHICHEVER IS HIGHER. AT THAT TIME, INFILTRATION TESTS SHALL BE MADE TO DETERMINE COMPLIANCE WITH THE ALLOWABLE INFILTRATION CRITERIA. TO MEASURE THE AMOUNT OF INFILTRATION, THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN A V-NOTCH SHAPE CRESTED WEIR IN A METAL FRAME TIGHTLY SECURED AT THE LOWER END OF EACH SEWER TEST SECTION AS DIRECTED BY THE VILLAGE ENGINEER OR HIS / HER AUTHORIZED REPRESENTATIVE. THE VILLAGE ENGINEER OR HIS / HER AUTHORIZED REPRESENTATIVE WILL CHECK THE INFILTRATION BY MEASURING THE FLOW OVER SUCH WEIRS. WHEN INFILTRATION IS DEMONSTRATED TO BE WITHIN THE ALLOWABLE LIMITS, THE CONTRACTORS SHALL REMOVE SUCH WEIRS.
14. EXFILTRATION TESTING:
A. IF DURING THE CONSTRUCTION OF THE SEWER SYSTEM THE ENGINEER DETERMINES THAT IT IS IMPRACTICAL TO OBTAIN A PROPER INFILTRATION TEST, THEN A TEST FOR WATERTIGHTNESS SHALL BE MADE BY BULKHEADING THE SEWER AT THE MANHOLE AT THE LOWER END OF THE SECTION UNDER TEST AND FILLING THE SEWER WITH WATER TO EIGHTEEN INCHES ABOVE THE TOP OF THE SEWER IN THE MANHOLE AT THE UPPER END OF THE SECTION. LEAKAGE WILL THEN BE THE MEASURED AMOUNT OF WATER ADDED TO MAINTAIN THE ABOVE DESCRIBED LEVEL AT A MAXIMUM ALLOWABLE EXFILTRATION RATE OF TWO HUNDRED GALLONS PER INCH OF DIAMETER OF SEWER PER MILE PER TWENTY-FOUR HOUR DAY AT ANY TIME FOR ANY SECTION OF THE SYSTEM.
15. AIR TESTING:
A. IN LIEU OF INFILTRATION OR EXFILTRATION TESTING, THE VILLAGE ENGINEER MAY PERMIT AIR TESTING IN ACCORDANCE WITH ASTM C828.
16. DEFLECTION TESTING FOR FLEXIBLE CONDUIT
A. ALL SANITARY SEWER LINES SHALL BE DEFLECTION TESTED AFTER 30 DAYS FOLLOWING FINISH BACKFILL OPERATIONS.
B. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDEREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE BASE DIAMETER OF THE PIPE AS DESCRIBED IN ASTM D3034. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
C. WHEREVER POSSIBLE AND PRACTICAL, THE TESTING SHALL INITIATE AT THE DOWNSTREAM LINES AND PROCEED TOWARDS THE UPSTREAM LINES.
D. MAXIMUM ALLOWABLE PIPE DEFLECTION IS 5% WHERE DEFLECTION IS FOUND TO BE IN EXCESS OF 5% OF THE ORIGINAL PIPE DIAMETER, THE CONTRACTOR SHALL EXCAVATE TO THE POINT OF EXCESS DEFLECTION AND CAREFULLY COMPACT AROUND THE POINT EXCESS DEFLECTION WAS FOUND. THE LINE SHALL THEN BE RETESTED FOR DEFLECTION. IF AFTER THE INITIAL TESTING THE DEFLECTED PIPE FAIL TO RETURN TO THE ORIGINAL SIZE (INSIDE DIAMETER), THE LINE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

STORM SEWER NOTES

- STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING:
A. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (STANDARD SPECIFICATIONS), EIGHTH EDITION DATED 2020, AND ALL REVISIONS AND SUPPLEMENTS THERETO.
B. STANDARDS AND REQUIREMENTS OF VILLAGE OF DIAMOND.
C. ADDITIONAL DETAILS AND REQUIREMENTS PROVIDED IN THE CONTRACT DOCUMENTS, INCLUDING THIS PLAN SET.
WHERE CRITERIA OF THE AFOREMENTIONED SPECIFICATIONS CONFLICT, THE MORE STRINGENT CRITERIA SHALL BE IMPLEMENTED.
2. MATERIAL SPECIFICATIONS. ALL STORM SEWER SYSTEM ELEMENTS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
A. SEWER PIPE: ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE UNLESS OTHERWISE SPECIFICALLY NOTED IN THIS PLAN SET.
a. SUMP PUMP SERVICE CONNECTION AND STORM SEWER EXTENSION (4" AND 6")--ABS SEWER PIPE OR PVC SEWER PIPE ASTM D2751, SDR35, OR ASTM D3034, SDR35, RESPECTIVELY.
b. CONCRETE SEWER PIPE (10" DIAMETER AND SMALLER), MINIMUM CLASS 3, ASTM C14.
c. REINFORCED CONCRETE PIPE (12" DIAMETER AND LARGER), CIRCULAR REINFORCEMENT, MINIMUM CLASS 3, WALL B, ASTM C76.
d. REINFORCED CONCRETE ARCH CULVERT PIPE--DOUBLE LINE REINFORCEMENT, MINIMUM CLASS 3, ASTM C506.
e. REINFORCED CONCRETE ELLIPTICAL CULVERT PIPE--MINIMUM CLASS HE-III OR VE-III, ASTM C507.
f. PVC UNDERDRAIN PIPE (4" AND 6")--ASTM D2729, SDR35.
g. GALVANIZED CORRUGATED STEEL CULVERT PIPE AASHTO M246, TYPE B, MINIMUM WALL THICKNESS 14 GAUGE (SHALL ONLY BE USED FOR CULVERTS).
B. SEWER PIPE JOINTS.
a. ABS PIPE--ASTM C443.
b. PVC PIPE--ASTM D3212, PUSH-ON TYPE, EXCEPT UNDERDRAIN PIPE WHICH SHALL HAVE SOLVENT WELDED JOINTS.
C. CASING PIPES: STEEL PIPE--ASTM A120, 3/8" MINIMUM THICKNESS.
D. MANHOLES AND CATCH BASINS.
a. PRECAST REINFORCED CONCRETE--ASTM C478.
b. SIZE:
FOR SEWER EIGHTEEN INCHES IN DIAMETER OR LESS, MANHOLE SHALL HAVE A FORTY-EIGHT INCHES INSIDE DIAMETER.
FOR SEWER TWENTY-ONE TO THIRTY-SIX INCHES IN DIAMETER, MANHOLE SHALL HAVE A SIXTY INCH INSIDE DIAMETER.
FOR SEWER GREATER THAN THIRTY-SIX INCHES IN DIAMETER, MANHOLE SHALL HAVE AN OFFSET RISER PIPE OF FORTY-EIGHT INCHES INSIDE DIAMETER.
c. ADJUSTMENT: NO MORE THAN TWO PRECAST CONCRETE ADJUSTING RINGS WITH SIX INCH MAXIMUM HEIGHT ADJUSTMENT SHALL BE ALLOWED.
d. ONLY ONE PIPE CONNECTION IS ALLOWED, AND IT SHALL BE PRECAST WITH RESILIENT RUBBER TIGHTWRIGHT PIPE TO MANHOLE SLEEVES OR SEALS.
e. EXTERNAL FLEXIBLE WATERMAIN SLEEVES SHALL ALSO EXTEND FROM THE MANHOLE CONE TO THE MANHOLE FRAME.
f. BOTTOM SECTIONS: ALL BOTTOM SECTIONS SHALL BE MONOLITHICALLY PRECAST INCLUDING BASES AND INVERT FLOWLINES.
E. INLETS.
a. PRECAST REINFORCED CONCRETE--ASTM C478 AND ASTM C443.
b. SIZE: INLETS SHALL HAVE A TWENTY-FOUR INCH INSIDE DIAMETER AND A MAXIMUM DEPTH OF FOUR FEET.
c. ADJUSTMENT: NO MORE THAN TWO PRECAST CONCRETE ADJUSTING RINGS WITH SIX INCH MAXIMUM HEIGHT ADJUSTMENT SHALL BE ALLOWED.
d. ONLY ONE PIPE CONNECTION IS ALLOWED, AND IT SHALL BE PRECAST WITH RESILIENT RUBBER TIGHTWRIGHT PIPE TO MANHOLE SLEEVES OR SEALS.
e. EXTERNAL FLEXIBLE WATERMAIN SLEEVES SHALL ALSO EXTEND FROM THE MANHOLE CONE TO THE MANHOLE FRAME.
f. BOTTOM SECTIONS: ALL BOTTOM SECTIONS SHALL BE MONOLITHICALLY PRECAST INCLUDING BASES AND INVERT FLOWLINES.
F. CASTINGS (UNLESS OTHERWISE NOTED WITHIN THE PLANS)
MANHOLE FRAME AND COVER--USE AREA INLET AS LISTED BELOW UNLESS SPECIFIED AS A "CLOSED LID" IN THIS PLAN SET. CLOSED LID FRAME AND COVER SHALL BE NEENAH NO. R-1772-C EMBOSSED "STORM SEWER".
a. MANHOLE STEPS--NEENAH NO. R-1981-1.
b. SIX INCH CURB AND GUTTER INLET--NEENAH NO. R-3032.
c. YARD INLET--NEENAH NO. R-2579.
d. PARKING LOT INLET--NEENAH NO. R-2450.
G. CRUSHED GRANULAR BEDDING: CRUSHED GRAVEL OR CRUSHED STONE COURSE AGGREGATE--ASTM C33, SIZE NO. 67.
3. ALL END SECTIONS 24" AND GREATER SHALL COME EQUIPPED WITH TRASH GRATE AND TOE BLOCK IN COMPLIANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD DETAIL SECTION, PART ALL ALUSTRATION.
4. INSPECT PIPE FOR DEFECTS AND CRACKS BEFORE BEING LOWERED INTO THE TRENCH, PIECE BY PIECE. REMOVE AND REPLACE DEFECTIVE, DAMAGED OR UNSOUND PIPE OR PIPE THAT HAS HAD ITS GRADE DISTURBED AFTER LAYING. PROTECT OPEN ENDS WITH A STOPPER TO PREVENT EARTH OR OTHER MATERIAL FROM ENTERING THE PIPE DURING CONSTRUCTION. REMOVE DIRT, EXCESS WATER, AND OTHER FOREIGN MATERIALS FROM THE INTERIOR OF THE PIPE DURING THE PIPE LAYING PROGRESS.
5. INSTALL PIPE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
6. COMMENCE INSTALLATION AT THE LOWEST POINT FOR EACH SEGMENT OF THE ROUTE. LAY RCP WITH THE GROOVE OR BELL END UP-STREAM.
7. LAY PIPE TO THE TIGHT JOINT CONNECTION, MATCH THE JOINTS WITH THE NECESSARY FITTINGS, BENDS, MANHOLE, RISERS AND OTHER APPURTENANCES PLACED AT THE REQUIRED LOCATION AS NOTED ON DRAWINGS.
8. ALL STORM SEWERS UNDER AND WITHIN TWO FEET OF ANY EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED WITH GRANULAR BACKFILL MATERIAL IDOT GRADATION FA-6 OR APPROVED EQUAL. (GRADE 8 OR GRADE 9).
9. ALL TOLERANCES SHALL BE TO 98 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698, (OR 95 PERCENT OF MAXIMUM DENSITY, IN ACCORDANCE WITH ASTM D1557) OBTAINED AT OPTIMUM MOISTURE AS DETERMINED BY AASHTO T180.
10. DO NOT BACKFILL TRENCHES UNTIL REQUIRED TESTS ARE PERFORMED AND UTILITY SYSTEMS COMPLY WITH AND ARE ACCEPTED BY APPLICABLE GOVERNING AUTHORITIES.
11. BACKFILL TRENCHES TO CONTOURS AND ELEVATIONS SHOWN ON THE DRAWINGS.

WATER UTILITY NOTES

- WATER MAINS AND SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING:
A. STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (STANDARD SPECIFICATIONS), EIGHTH EDITION DATED 2020 (AND ALL REVISIONS AND SUPPLEMENTS THERETO).
B. ALL APPLICABLE STATE AND LOCAL PLUMBING CODES.
C. ADDITIONAL DETAILS AND REQUIREMENTS PROVIDED IN THE CONTRACT DOCUMENTS, INCLUDING THIS PLAN SET.
D. VILLAGE OF POPLAR GROVE WATERMAIN CODES.
WHERE CRITERIA OF THE AFOREMENTIONED SPECIFICATIONS CONFLICT, THE MORE STRINGENT CRITERIA SHALL BE IMPLEMENTED.
2. CONTACT ALL PUBLIC AND PRIVATE UTILITY COMPANIES 48 HOURS PRIOR TO ANY EXCAVATION. COST OF REPLACEMENT OR REPAIR OF EXISTING UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. ALL WATER MAIN AND SERVICE PIPE GREATER THAN 2" IN DIAMETER SHALL BE DUCTILE IRON PIPE CONFORMING TO AWWA C151, CLASS OR THICKNESS PER AWWA C150, SEAL COATED AND / OR CEMENT LINE PER AWWA C104, WITH MECHANICAL OR RUBBER RING (SLIP SEAL OR PUSH ON) JOINTS. FITTINGS SHALL COMPLY WITH AWWA C104, JOINTS SHALL COMPLY WITH AWWA C11.
4. THE MINIMUM COVER FOR ALL WATER MAIN AND WATER SERVICE PIPE IS 6" FROM FINISHED GRADE TO TOP OF PIPE.
5. ALL WATER MAINS UNDER AND WITHIN TWO FEET OF ANY EXISTING OR PROPOSED STREET PAVEMENT OR CURB SHALL BE BACKFILLED WITH IDOT APPROVED GRANULAR BACKFILL MATERIAL.
6. TRENCH BACKFILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY.
7. ALL VALVES SHALL BE RESILIENT GATE MUELLER MODEL A-2362-20 OR APPROVED EQUAL. ALL VALVES SHALL OPEN LEFT.
8. WATER MAIN SEPARATION FROM STORM AND SANITARY SEWER SHALL CONFORM TO SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS.
9. THE WATER SERVICE PIPE SHALL BE TYPE K COPPER TUBING IN ACCORDANCE WITH ASTM B88 AND ASTM 251 UP TO 2" IN DIAMETER.
10. ALL CORPORATION STOPS AND CURB STOP SHALL BE FABRICATED OF BRASS AND SHALL BE PROVIDED WITH OUTLETS SUITABLE FOR COPPER CONNECTIONS. THE CORPORATION STOP, CURB STOP, AND THE SERVICE BOX SHALL BE OF TYPE AND MANUFACTURE ACCEPTABLE TO THE VILLAGE OF POPLAR GROVE.
11. NO OBJECT MAY BE CONSTRUCTED, MAINTAINED OR INSTALLED WITHIN 48 INCHES OF A FIRE HYDRANT. NO TREES, BUSHES, WALLS, OR OTHER OBSTACLES WHICH MAY HIDE OR IMPEDE THE USE OF A FIRE HYDRANT WILL NOT BE PERMITTED.
12. HYDRANTS SHALL BE PAINTED IN CONFORMITY TO AWWA C502. THE CONTRACTOR SHALL VERIFY COLOR OF PAINT WITH THE VILLAGE OF POPLAR GROVE PRIOR TO PROCUREMENT.
13. ALL FIRE HYDRANTS SHALL COMPLY WITH AWWA STANDARD C502 AND VILLAGE OF POPLAR GROVE REQUIREMENTS. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF POPLAR GROVE FOR SPECIFIC REQUIREMENTS. ALL PUBLIC HYDRANTS SHALL HAVE A "BREAKAWAY" DESIGN AND SHALL BE PLACED SO THAT THE CENTER OF THE PUMPER NOZZLE IS 18 TO 24 INCHES ABOVE THE GROUND LINE. A HOLE OF 1/2 CUBIC YARD VOLUME SHALL BE DUG AT EACH HYDRANT AND FILLED WITH WASHED GRAVEL TO ACT AS A DRAIN FOR TWO (2) BRONZE LINED OUTLETS. HYDRANTS SHALL BE MUELLER CENTURION MODEL A-423 UNLESS A DIFFERENT MODEL IS APPROVED IN ADVANCE BY VILLAGE OF POPLAR GROVE.
14. FIRE HYDRANTS SHALL BE PLACED AT LEAST 3 FEET OFF THE EDGE OF PAVEMENT.
15. CONNECTIONS TO EXISTING MAINS. ALL CONNECTIONS TO THE VILLAGE WATER DISTRIBUTION SYSTEM SHALL BE MADE UNDER FULL WATER SERVICE PRESSURE UNLESS OTHERWISE APPROVED BY THE VILLAGE ENGINEER AT LOCATIONS APPROVED BY THE VILLAGE ENGINEER.
16. PRESSURE TEST.
A. AS PART OF THE CONSTRUCTION, THE WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH SECTION 41-2.12 OF THE STANDARD SPECIFICATIONS.
B. ALL NEWLY LAID PIPE SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE OF 150 POUNDS PER SQUARE INCH. DURATION OF EACH PRESSURE TEST SHALL BE FOR A PERIOD OF NOT LESS THAN TWO HOURS. EACH VALVED SECTION OF PIPE SHALL BE FILLED WITH WATER AND THE SPECIFIED TEST PRESSURE SHALL BE APPLIED BY MEANS OF A PUMP CONNECTED TO THE PIPE.
C. BEFORE APPLYING THE SPECIFIED TEST PRESSURE, ALL AIR SHALL BE EXCELLED FROM THE PIPE. ALL LEAKS SHALL BE REPAIRED UNTIL TIGHT. ANY CRACKED OR DEFECTIVE PIPES, FITTINGS, VALVES, OR HYDRANTS DISCOVERED IN CONSEQUENCE OF THIS PRESSURE TEST SHALL BE REMOVED AND REPLACED AND THE TEST REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED.
15. ALL TESTING SHALL BE DONE AFTER THE INSTALLATION OF SERVICE LINES. SUITABLE MEANS SHALL BE PROVIDED FOR DETERMINING THE QUANTITY OF WATER LOST BY LEAKAGE UNDER THE SPECIFIED TEST PRESSURE IN ACCORDANCE WITH SECTION 41-2.14C OF THE STANDARD SPECIFICATIONS.
16. DISINFECTION.
A. WATER FROM THE EXISTING DISTRIBUTION SYSTEM OR OTHER SOURCE OF SUPPLY SHALL BE CONTROLLED SO AS TO FLOW SLOWLY INTO THE NEWLY LAID PIPELINE DURING THE APPLICATION OF CHLORINE GAS. THE RATE OF CHLORINE MIXTURE FLOW SHALL BE IN SUCH PROPORTION TO THE RATE OF WATER ENTERING THE PIPE THAT THE CHLORINE DOSE APPLIED TO THE WATER ENTERING THE NEWLY LAID PIPE SHALL BE AT LEAST FORTY TO FIFTY PPM, OR ENOUGH TO MEET THE REQUIREMENTS DURING THE RETENTION PERIOD. THIS MAY REQUIRE AS MUCH AS ONE HUNDRED PPM OF CHLORINE IN THE WATER LEFT IN THE LINE AFTER CHLORINATION.
B. VALVES SHALL BE MANIPULATED SO THAT THE STRONG CHLORINE SOLUTION IN THE LINE BEING TREATED WILL NOT FLOW BACK INTO THE LINE SUPPLYING THE WATER.
C. TREATED WATER SHALL BE RETAINED IN THE PIPE LONG ENOUGH TO DESTROY ALL SPORE-FORMING BACTERIA. THIS RETENTION PERIOD SHALL BE AT LEAST TWENTY-FOUR HOURS. AFTER THE CHLORINE-TREATED WATER HAS BEEN RETAINED FOR THE REQUIRED TIME, THE CHLORINE RESIDUAL AT THE PIPE EXTREMITIES AND AT OTHER REPRESENTATIVE POINTS SHOULD BE AT LEAST TEN PPM.
D. IN THE PROCESS OF CHLORINATING NEWLY LAID PIPE, ALL VALVES OR OTHER APPURTENANCES SHALL BE OPERATED WHILE THE PIPELINE IS FILLED WITH THE CHLORINATING AGENT.
E. ALL WATER MAINS AND SERVICES SHALL BE DISINFECTED AND TESTED ACCORDING TO THE REQUIREMENTS OF THE STANDARDS FOR DISINFECTING WATER MAINS, AWWA C601. ALL DISINFECTATION SHALL BE PERFORMED BY AN INDEPENDENT FIRM EXHIBITING EXPERIENCE IN THE METHODS AND TECHNIQUES OF THIS OPERATION, AND SHALL BE APPROVED BY THE VILLAGE.
17. FINAL FLUSHING AND TESTING.
A. FOLLOWING CHLORINATION, ALL TREATED WATER SHALL BE THOROUGHLY FLUSHED FROM THE NEWLY LAID PIPELINE AT ITS EXTREMITIES UNTIL THE REPLACEMENT WATER, THROUGHOUT ITS LENGTH SHALL, UPON TEST, BE APPROVED AS SAFE WATER BY THE VILLAGE ENGINEER. THIS QUALITY OF WATER DELIVERED BY THE NEW MAIN SHOULD CONTINUE FOR A PERIOD OF AT LEAST TWO FULL DAYS AS DEMONSTRATED BY LABORATORY EXAMINATION OF SAMPLES TAKEN FROM A TAP LOCATED AND INSTALLED IN SUCH A WAY AS TO PREVENT OUTSIDE CONTAMINATION. SAMPLES SHOULD NEVER BE TAKEN FROM AN UNSTABILIZED HOSE OR FROM A FIRE HYDRANT, BECAUSE SUCH SAMPLES SELDOM MEET CURRENT BACTERIOLOGICAL STANDARDS.
B. AFTER DISINFECTING AND FLUSHING, WATER SAMPLES SHALL BE COLLECTED BY THE CONTRACTOR ON TWO SUCCESSIVE DAYS, WITH NOTICE GIVEN, SO THAT THE COLLECTION MAY BE WITNESSED BY THE VILLAGE. BACTERIOLOGICAL SAMPLING AND ANALYSIS OF THE SAMPLES SHALL BE PERFORMED BY A LABORATORY APPROVED BY THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH AND THE VILLAGE. SHOULD THE INITIAL TREATMENT RESULT IN AN UNSATISFACTORY BACTERIAL TEST, THE PROCEDURE SHALL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED. THE CONTRACTOR OR DEVELOPER SHALL PAY FOR THE SAMPLING AND ANALYSIS. RESULTS OF THE ANALYSIS SHALL BE TRANSMITTED BY THE LABORATORY DIRECTLY TO THE VILLAGE ENGINEER. TEST RESULTS SHALL INDICATE THE DATE THE SAMPLE WAS COLLECTED, THE DATE THE ANALYSIS WAS MADE, THE EXACT LOCATIONS AT WHICH SAMPLES WERE TAKEN, THE FIRM SUBMITTING THE SAMPLE, AND THE PROJECT AT WHICH THE SAMPLES WERE COLLECTED. SUFFICIENT SAMPLES SHALL BE COLLECTED IN ORDER TO INSURE THAT THE SYSTEM IS BACTERIOLOGICALLY SAFE.
18. ANY AREAS WHERE SOLID ROCK IS ENCOUNTERED WHEN LAYING THE WATER MAIN, APPROVED BEDDING MATERIAL SHALL BE USED.



PROJECT NAME
OWNER'S NAME

POPLAR GROVE AIRPORT EXPANSION

11619 IL-76

POPLAR GROVE, IL 61065

BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1. AGENCY REVIEW	DATE
2. AGENCY REVIEW	03-17-2025
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS	DATE
ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

GENERAL NOTES

DRAWN

TRS

CHECKED

LND

PM

RCS

PROJECT NUMBER
SHEET NUMBER

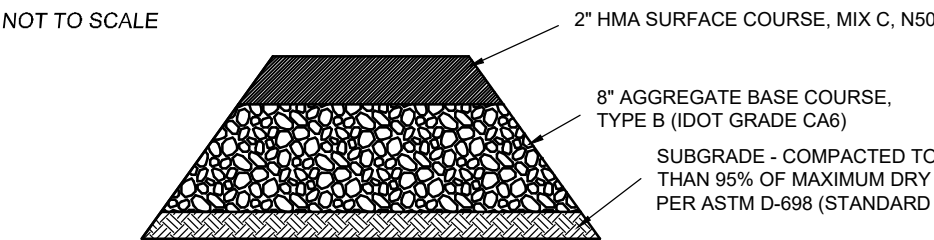
24033

C-01

ADDITIONAL CONCRETE PAVING NOTES

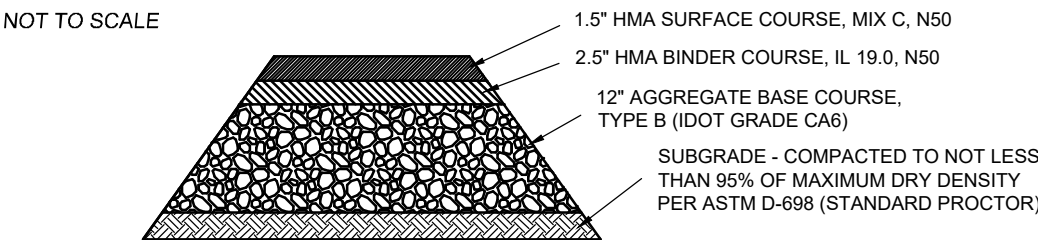
1. MATERIALS SHALL COMPLY WITH THE FOLLOWING STANDARDS OF QUALITY:
- A. PORTLAND CEMENT: ASTM C150 TYPE I, NORMAL ASTM C150 TYPE II, HIGH-EARLY-STRENGTH.
 - B. FINE AGGREGATE: ASTM C33, CLEAN SAND GRADED BETWEEN #100 AND #4 SIEVE LIMITS.
 - C. COARSE AGGREGATE: ASTM C33, UNCOATED CRUSHED STONE OR WASHED GRAVEL.
 - D. WATER: POTABLE AND FIT TO DRINK.
 - E. WATER-REDUCING ADMIXTURE: ASTM C494 TYPE A (NORMAL) OR TYPE D (RETARDER).
 - F. AIR ENTRAINING AGENT: ASTM C260.
 - G. PREMOULDED FILLER STRIPS: ASTM D994.
 - H. CURING COMPOUND: ASTM C309, TYPE 2 (WHITE, PIGMENTED).
 - I. REINFORCEMENT: ASTM A615, GRADE 40.
2. PHYSICAL CHARACTERISTICS SHALL COMPLY WITH THE FOLLOWING:
- A. STRENGTH: 4,000 PSI COMPRESSIVE STRENGTH IN 28 DAYS.
 - B. MIX: MINIMUM 6 BAG MIX.
 - C. SLUMP: MAXIMUM 4".
 - D. WATER TO CEMENT RATIO: SHALL NOT EXCEED 0.45 BY WEIGHT.
 - E. AIR ENTRAINMENT: 6% ± 1%
3. ALL CURB AND GUTTER AND SIDEWALK SHALL BE BROOM FINISHED.
4. CURING AND PROTECTION OF ALL CONCRETE SHALL BE IN STRICT CONFORMANCE WITH THE PROVISIONS OF SECTION 1020.13 OF THE STANDARD SPECIFICATIONS.
5. THE CURB AND GUTTER SHALL HAVE 1" THICK PREMOULDED FIBER EXPANSION JOINTS WITH 3/4" DIAMETER BY 18 INCH LONG PLAIN ROUND STEEL DOWEL BARS AT 100-FOOT INTERVALS, AT ALL PC'S AND PT'S, AND AT ALL CURB RETURNS. CONSTRUCTION JOINTS SHALL BE CONSTRUCTED AT 20-FOOT INTERVALS. THE COST OF THESE JOINTS SHALL BE INCIDENTAL TO THE CURB AND GUTTER. CURB JOINTS AND TIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH IDOT STANDARD 606001.
6. DEPRESSED CURB SHALL BE PROVIDED FOR HANDICAPPED RAMPS AND AT DRIVEWAY LOCATIONS IN ACCORDANCE WITH IDOT STANDARD 606001.
7. SIDEWALK SHALL BE A MINIMUM OF 6" THICK THROUGH ALL DRIVEWAY CROSSINGS.
8. CONCRETE PAVEMENT JOINTS SHALL COMPLY WITH THE FOLLOWING:
- F. CONSTRUCT EXPANSION, WEAKENED-PLANE CONTROL (CONTRACTION), AND CONSTRUCTION JOINTS STRAIGHT WITH FACE PERPENDICULAR TO CONCRETE SURFACE. CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO CENTERLINE, UNLESS OTHERWISE DETAILED.
 - G. PROVIDE JOINTS AT A SPACING OF 15'-0" (MAXIMUM) ON CENTERS EACH WAY. PANELS SHALL BE KEPT AS SQUARE AS POSSIBLE WITH THE LENGTH TO WIDTH RATIO NOT EXCEEDING 125% UNLESS OTHERWISE NOTED. CONSTRUCT CONTROL JOINTS WITH A DEPTH EQUAL TO AT LEAST 1/4 OF THE CONCRETE THICKNESS, AS FOLLOWS:
 - G.1. FORM TOOLED JOINTS IN FRESH CONCRETE BY GROOVING TOP WITH RECOMMENDED TOOL AND FINISHING EDGE WITH JOINTER.
 - G.2. FORM SAWED JOINTS USING POWERED SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT JOINTS INTO HARDENED CONCRETE AS SOON AS SURFACE WILL NOT BE TORN, ABRADED, OR OTHERWISE DAMAGED BY CUTTING ACTION. CONTRACTOR SHALL SAWCUT TANK FARM AND ISLAND / CANOPY AREA TO MID-DEPTH WITHIN 24 HOURS OF POUR.
 - H. SIDEWALK CONTRACTION JOINT SPACING SHALL NOT EXCEED CORRESPONDING WIDTH OF SIDEWALK. 12" WIDE SIDEWALKS SHALL HAVE A LONGITUDINAL CONTRACTION JOINT ALONG THE CENTER OF THE SIDEWALK AND TRANSVERSE CONTRACTION JOINTS SHALL BE SPACED AT 6' MAX.
 - I. A DIAMOND EDGE SAW BLAND SHALL BE USED FOR ALL REQUIRED CONTRACTION AND LONGITUDINAL PAVEMENT JOINTS.
 - J. ALL SAWCUTS REQUIRED SHALL BE INCIDENTAL TO ITEMS FOR WHICH DIRECT PAYMENT IS MADE.
 - K. PLACE CONSTRUCTION JOINTS AT END OF PLACEMENTS AND AT LOCATIONS WHERE PLACEMENT OPERATIONS ARE STOPPED FOR PERIOD OF MORE THAN 1/2 HOUR, EXCEPT WHERE SUCH PLACEMENTS TERMINATE AT EXPANSION JOINTS. CONSTRUCT JOINTS IN ACCORDANCE WITH IDOT SPECIFICATIONS.
 - L. LOCATE TRANSVERSE EXPANSION JOINTS AT MAXIMUM OF 180'-0" ON CENTERS, MAXIMUM EACH WAY UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS. PROVIDE PREMOULDED JOINT FILLER FOR EXPANSION JOINTS ABUTTING CONCRETE CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, SIDEWALKS, AND OTHER FIXED OBJECTS.
 - M. FOR BUTT JOINTS AGAINST EXISTING PAVEMENT:
 - D.1. PLACE 16" LONG DOWELS EIGHT INCHES INTO HOLES DRILLED INTO CENTER OF EXISTING SLAB.
 - D.2. EPOXY DOWELS INTO HOLES WITH APPROVED EPOXY COMPOUND.
 - D.3. PLACE DOWELS PRIOR TO CONCRETE PLACEMENT FOR NEW CONCRETE.
 - D.4. DOWEL SPACING SHALL BE 24" ON CENTER UNLESS OTHERWISE SHOWN ON CONSTRUCTION DRAWINGS.
 - D.5. SAW JOINT AND FILL WITH JOINT SEALER.
9. EXTEND JOINT FILLERS FULL-WIDTH AND DEPTH OF JOINT, AND NOT LESS THAN 1/2-INCH NOR MORE THAN 1-INCH BELOW FINISHED SURFACE WHERE JOINT SEALER IS INDICATED. FURNISH JOINT FILLERS IN 1-PIECE LENGTHS FOR FULL WIDTH BEING PLACED, WHEREVER POSSIBLE. WHERE MORE THAN 1 LENGTH IS REQUIRED, LACE OR CLIP JOINT FILLER SECTIONS TOGETHER.
10. ALL JOINTS SHALL BE SEALED WITH WHITE OR GRAY APPROVED EXTERIOR PAVEMENT JOINT SEALANTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

TAXIWAY DETAILS



STANDARD DUTY ASPHALT PAVEMENT

ROADWAY DETAILS

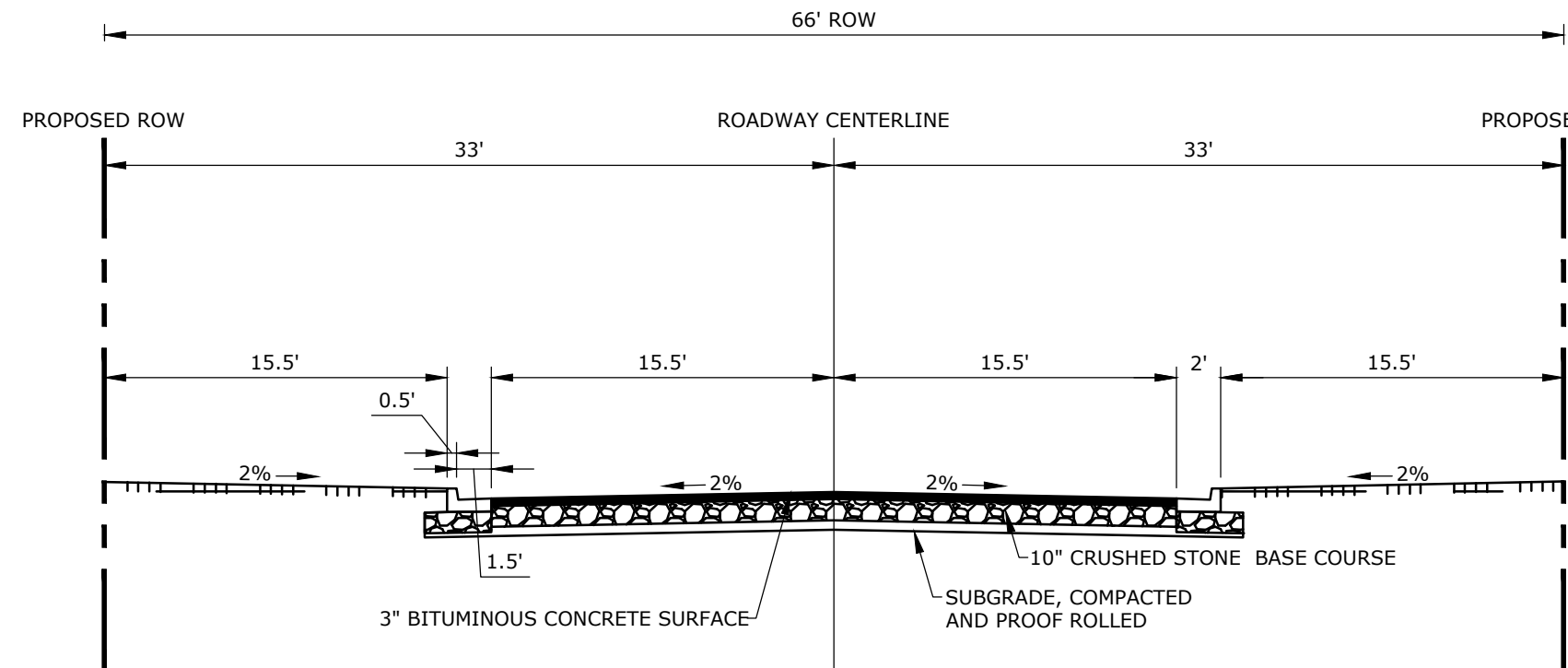


STANDARD DUTY ASPHALT PAVEMENT

ADDITIONAL ASPHALT PAVING NOTES

1. WEATHER LIMITATIONS:
- A. APPLY PRIME AND TACK COATS WHEN AMBIENT OR BASE SURFACE TEMPERATURE IS ABOVE 40 °F, AND WHEN TEMPERATURE HAS BEEN ABOVE 35 °F FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET, CONTAINS EXCESS MOISTURE, DURING RAIN, OR WHEN FROZEN.
 - B. CONSTRUCT ASPHALTIC CONCRETE PAVING WHEN AMBIENT TEMPERATURE IS ABOVE 40 °F.
2. MATERIALS SHALL COMPLY WITH THE FOLLOWING STANDARDS OF QUALITY:
- A. COARSE AGGREGATE SHALL COMPLY WITH SECTION 1004.03 OF THE STANDARD SPECIFICATIONS.
 - B. FINE AGGREGATE SHALL COMPLY WITH SECTION 1003.03 OF THE STANDARD SPECIFICATIONS.
 - C. RAP MATERIAL SHALL COMPLY WITH SECTION 1031 OF THE STANDARD SPECIFICATIONS.
 - D. MINERAL FILLER SHALL CONSIST OF DRY LIMESTONE DUST, FLY ASH, CEMENT KILN DUST, OR LIME KILN DUST, AND SHALL COMPLY WITH THE FOLLOWING:
 - D.1. THE GRADATION SHALL BE ACCORDING TO THE FOLLOWING:
 - D.1.a. 100% SHALL PASS THE NO. 30 SIEVE (600 MM).
 - D.1.b. 92 ± 48% SHALL PASS THE NO. 100 SIEVE (MM).
 - D.1.c. 82 ± 18% SHALL PASS THE NO. 200 SIEVE (MM).
 - D.2. THE LOSS ON IGNITION FOR ALL PRODUCTS SHALL BE A MAXIMUM OF 5% WHEN TESTED ACCORDING TO THE TTP, "LOSS ON IGNITION FOR MINERAL FILLER."
 - D.3. MINERAL FILLER FOR USE IN SMA SHALL BE FREE FROM ORGANIC IMPURITIES AND HAVE A PLASTICITY INDEX ≤ 4.
 - E. HYDRATED LIME SHALL BE ACCORDING TO ASTM C207.
 - F. SLAKED QUICKLIME SHALL BE ACCORDING TO ASTM C5.
 - G. A STABILIZING ADDITIVE SUCH AS CELLULOSE OR MINERAL FIBER SHALL BE ADDED TO SMA MIXTURES ACCORDING TO ILLINOIS MODIFIED AASHTO M325. THE STABILIZING ADDITIVE SHALL MEET THE FIBER QUALITY REQUIREMENTS LISTED IN ILLINOIS MODIFIED AASHTO M325. PRIOR TO APPROVAL AND USE OF FIBERS, THE CONTRACTOR SHALL SUBMIT A NOTARIZED CERTIFICATION BY THE PRODUCER OF THESE MATERIALS STATING THEY MEET THESE REQUIREMENTS.
 - H. ASPHALT CEMENT SHALL COMPLY WITH AASHTO M226, TABLE 2 - REQUIREMENTS FOR ASPHALT BINDER GRADED BY VISCOSITY AT 60 °C (140 °F) (GRADING BASED ON ORIGINAL ASPHALT) DEPENDING ON MEAN ANNUAL AIR TEMPERATURES (MAAT) IN ACCORDANCE WITH THE FOLLOWING:
 - H.1. FOR LOCATIONS WITH A MAAT OF 45 °F OR LOWER, A VISCOSITY GRADE OF AC-10 SHALL BE USED.
 - H.2. FOR LOCATIONS WITH A MAAT BETWEEN 45 °F AND 75 °F, A VISCOSITY GRADE OF AC-20 SHALL BE USED.
 - H.3. FOR LOCATIONS WITH A MAAT ABOVE 75 °F, A VISCOSITY GRADE OF AC-40 SHALL BE USED.
 - I. TACK COAT ON BRICK, CONCRETE, OR HMA BASES SHALL BE ONE OF THE FOLLOWING: SS-1; SS-1H; SS-1HP; SS1-VH; RS-1; RS-2, CSS-1, CSS-1H; CSS-1HP; CRS-1; CRS-2; HFE-90; OR RC-70.
 - J. PRIME COAT ON AGGREGATE BASES SHALL BE MC-30 OR PEP.
3. MIX DESIGN SHALL COMPLY WITH THE FOLLOWING:
- A. BASE COURSE: ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) APPROVED MIX FOR HOT-MIX ASPHALT BINDER COURSE, IL-12.5, N50.
 - B. SURFACE (WEARING) COURSE: ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) APPROVED MIX FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.
4. REMOVE LOOSE MATERIAL FROM COMPACTED BASE MATERIAL SURFACE IMMEDIATELY BEFORE APPLYING PRIME COAT.
5. ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS.
6. COVER THE SURFACES OF CURBS, GUTTERS, MANHOLES AND OTHER STRUCTURES ON WHICH THE ASPHALTIC CONCRETE MIXTURE WILL BE PLACED, WITH A THIN, UNIFORM COAT OF LIQUID ASPHALT. WHERE THE ASPHALTIC CONCRETE MIXTURE WILL BE PLACED AGAINST THE VERTICAL FACE OF AN EXISTING PAVEMENT, CLEAN THE VERTICAL FACE TO REMOVE FOREIGN SUBSTANCES AND APPLY A COATING OF LIQUID ASPHALT AT A RATE OF APPROXIMATELY 0.25 GALLONS PER SQUARE YARD.
7. THE APPLICATION OF PRIME COAT SHALL BE AS FOLLOWS:
- A. APPLY TO BASE MATERIAL SURFACES AT LEAST 24 HOURS IN ADVANCE.
 - B. APPLY AT MINIMUM RATE OF 0.25 GAL PER SQ. YD OVER COMPACTED BASE MATERIAL. APPLY TO PENETRATE AND SEAL, BUT NOT FLOOD SURFACE.
 - C. TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT AREAS FROM OVER SPRAY.
 - D. CURE AND DRY AS LONG AS NECESSARY TO ATTAIN PENETRATION OF COMPACTED BASE AND EVAPORATION OF VOLATILE SUBSTANCES.
8. THE APPLICATION OF TACK COAT SHALL BE AS FOLLOWS:
- A. APPLY TO CONTACT SURFACES OF PREVIOUSLY CONSTRUCTED ASPHALTIC CONCRETE BASE COURSES OR PORTLAND CEMENT CONCRETE AND SURFACES ABUTTING OR PROJECTING INTO ASPHALTIC CONCRETE OR INTO ASPHALTIC CONCRETE PAVEMENT.
 - B. APPLY TACK COAT TO ASPHALTIC CONCRETE BASE COURSE OR SAND ASPHALT BASE COURSE. APPLY EMULSIFIED ASPHALT TACK COAT BETWEEN EACH LIFT OR LAYER OF FULL DEPTH ASPHALTIC CONCRETE AND SAND ASPHALT BASES AND ON SURFACE OF BASES WHERE ASPHALTIC CONCRETE PAVING WILL BE CONSTRUCTED.
 - C. APPLY AT MINIMUM RATE OF 0.05 GAL PER SQ. YD OF SURFACE.
 - D. ALLOW DRYING UNTIL AT PROPER CONDITION TO RECEIVE PAVING.
9. PLACE ASPHALTIC CONCRETE MIXTURE ON COMPLETED COMPACTED SUBGRADE SURFACE, SPREAD, AND STRIKE OFF.
- A. SPREAD MIXTURE AT FOLLOWING MINIMUM AMBIENT TEMPERATURES:
 - A.1. ASPHALTIC CONCRETE MIXTURE SHALL NOT BE PLACED WHEN THE AMBIENT TEMPERATURE IS LESS THAN 40 °F.
 - A.2. WHEN THE AMBIENT TEMPERATURE IS BETWEEN 40 AND 50 °F, THE MIXTURE TEMPERATURE SHALL BE 285 °F.
 - A.3. WHEN THE AMBIENT TEMPERATURE IS BETWEEN 50 AND 60 °F, THE MIXTURE TEMPERATURE SHALL BE 280 °F.
 - A.4. WHEN THE AMBIENT TEMPERATURE IS ABOVE 60 °F, THE MIXTURE TEMPERATURE SHALL BE 275 °F.
 - B. WHENEVER POSSIBLE, SPREAD PAVEMENT BY FINISHING MACHINE; HOWEVER, INACCESSIBLE OR IRREGULAR AREAS MAY BE PLACED BY HAND METHODS. SPREAD HOT MIXTURE UNIFORMLY TO REQUIRED DEPTH WITH HOT SHOVELS AND RAKES. AFTER SPREADING, CAREFULLY SMOOTH HOT MIXTURE TO REMOVE SEGREGATED COURSE AGGREGATE AND RAKE MARKS. RAKES AND LUTES USED FOR HAND SPREADING SHALL BE TYPE DESIGNED FOR USE ON ASPHALT MIXTURES. DO NOT DUMP LOADS FASTER THAT THEY CAN BE PROPERLY SPREAD. WORKERS SHALL NOT STAND ON LOOSE MIXTURE WHILE SPREADING.
 - C. PAVING MACHINE PLACEMENT: APPLY SUCCESSIVE LIFTS OF ASPHALTIC CONCRETE IN TRANSVERSE DIRECTIONS WITH SURFACE COURSE PLACED PARALLEL TO FLOW OF TRAFFIC. PLACE ASPHALTIC PAVING IN TYPICAL STRIPS NOT LESS THAN 10'-0" WIDE. ASPHALTIC CONCRETE PAVEMENT, INCLUDING BASE AND SURFACE COURSE, SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS. EACH LIFT SHALL BE BETWEEN 1 TO 3 INCHES THICK.
 - D. JOINTS SHALL BE PLACED BETWEEN OLD AND NEW PAVEMENTS, OR BETWEEN SUCCESSIVE DAYS AND WORK IN A MANNER THAT WILL PROVIDE CONTINUOUS BOND BETWEEN ADDING WORK. CONSTRUCTION JOINTS SHALL HAVE SAME TEXTURE, DENSITY, AND SMOOTHNESS AS OTHER SECTIONS OF ASPHALTIC CONCRETE COURSE. CLEAN CONTACT SURFACES OF JOINTS AND APPLY TACK COAT.
10. AFTER BEING SPREAD, MIXTURE SHALL BE COMPACTED BY ROLLING AS SOON AS IT WILL BEAR THE WEIGHT OF ROLLERS WITHOUT UNDUE DISPLACEMENT. NUMBER, WEIGHT, TYPES OF ROLLERS, AND SEQUENCES OF ROLLING OPERATIONS SHALL BE SUCH THAT THE REQUIRED DENSITY AND SURFACE ARE CONSISTENTLY ATTAINED WHILE THE MIXTURE IS IN WORKABLE CONDITION.
11. COMPACT MIXTURE WITH HOT HAND TAMPERS OR VIBRATING PLATE COMPACTORS IN AREAS INACCESSIBLE TO ROLLERS.
12. PERFORM BREAKDOWN OR INITIAL ROLLING IMMEDIATELY FOLLOWING ROLLING OF JOINTS AND OUTSIDE EDGE. CHECK SURFACE AFTER BREAKDOWN ROLLING AND REPAIR DISPLACED AREAS BY LOOSENING AND FILLING WITH HOT MATERIAL.
13. SECOND ROLLING SHALL FOLLOW BREAKDOWN ROLLING AS SOON AS POSSIBLE WHILE MIXTURE IS HOT. CONTINUE SECOND ROLLING UNTIL MIXTURE HAS BEEN THOROUGHLY COMPACTED TO AN AVERAGE DENSITY OF 96 PERCENT OF REFERENCE LABORATORY DENSITY ACCORDING TO ASTM D1556, BUT NOT LESS THAN 94 PERCENT NOR GREATER THAN 100 PERCENT.
14. PERFORM FINISH ROLLING WHILE MIXTURE IS STILL WARM ENOUGH FOR REMOVAL OF ROLLER MARKS. CONTINUE ROLLING UNTIL ROLLER MARKS ARE ELIMINATED AND COURSE HAS ATTAINED MAXIMUM DENSITY.
15. REMOVE AND REPLACE PAVING AREAS MIXED WITH FOREIGN MATERIALS AND DEFECTIVE AREAS. CUT OUT SUCH AREAS AND FILL WITH FRESH, HOT ASPHALTIC CONCRETE. COMPACT BY ROLLING TO MAXIMUM SURFACE DENSITY AND SMOOTHNESS.
16. AFTER FINAL ROLLING, DO NOT PERMIT VEHICULAR TRAFFIC ON PAVEMENT UNTIL IT HAS COOLED AND HARDENED. ERECT BARRICADES TO PROTECT PAVING FROM TRAFFIC UNTIL MIXTURE HAS COOLED ENOUGH NOT TO BECOME MARKED. ANY MASKED OR MARRED FINISH SURFACES SHALL BE REPAIRED OR SMOOTHED.
17. ASPHALT PAVING JOINTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
- A. PLACE EACH ASPHALTIC PAVING LAYER AS CONTINUOUS AS POSSIBLE TO KEEP THE NUMBER OF JOINTS TO A MINIMUM. CREATE JOINTS BETWEEN OLD AND NEW PAVEMENT, BETWEEN SUCCESSIVE DAYS WORK, AND WHERE THE MIXTURE HAS BECOME COLD (LESS THAN 140 °F). MAKE THESE JOINTS IN SUCH A MANNER AS TO CREATE A CONTINUOUS BOND BETWEEN THE OLD AND NEW PAVEMENT CONSTRUCTION COURSES.
 - B. OFFSET JOINT OF SUCCESSIVE COURSES BY AT LEAST 6 INCHES.
 - a. IF PLACING OF MATERIAL IS DISCONTINUED OR IF MATERIAL IN PLACE BECOMES COLD, MAKE A JOINT RUNNING PERPENDICULAR TO THE DIRECTION TRAVELED BY THE PAVER. BEFORE PLACEMENT CONTINUES, TRIM THE EDGE OF THE PREVIOUSLY PLACED PAVEMENT TO A STRAIGHT LINE PERPENDICULAR TO THE PAVEMENT AND CUT BACK TO EXPOSE AN EVEN VERTICAL SURFACE FOR THE FULL THICKNESS OF THE COURSE. WHEN PLACEMENT CONTINUES, POSITION THE PAVER ON THE TRANSVERSE JOINT SO THAT SUFFICIENT HOT MIXTURE WILL BE SPREAD IN ORDER TO CREATE A JOINT AFTER ROLLING THAT CONFORMS TO THE REQUIRED SMOOTHNESS. IF THE TEMPERATURE OF THE PREVIOUSLY PLACED PAVEMENT MATERIAL DROPS BELOW 140 °F BEFORE PAVING IS RESUMED, GIVE THE EXPOSED VERTICAL FACE A THIN COAT OF LIQUID ASPHALT JUST BEFORE PAVING IS CONTINUED.
 - b. COAT LONGITUDINAL JOINTS THAT ARE NOT COMPLETED BEFORE THE PREVIOUSLY LAID MIXTURE HAS COOLED TO A TEMPERATURE BELOW 140 °F WITH LIQUID ASPHALT IMMEDIATELY PRIOR TO RESUMING PAVING ACTIVITIES.

TYPICAL ROADWAY SECTION



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

DATE

1. AGENCY REVIEW	03-17-2025
2. AGENCY REVIEW	06-27-2025
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

GENERAL NOTES

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-02



ZONING ANALYSIS		
EXISTING ZONING DISTRICT	R-2 MEDIUM DENSITY RESIDENTIAL AREA	
EXISTING USE	AGRICULTURE FIELD	
PROPOSED USE	RESIDENTIAL NEIGHBORHOOD	
USE ALLOWED?	YES, AS A SPECIAL USE	
	REQUIRED	PROVIDED
MINIMUM LOT AREA	10,000 SF	10,000 SF
MINIMUM FLOOR AREA	1,500 SF	3,600 SF
MINIMUM LOT WIDTH	70'	80'
MAXIMUM LOT COVERAGE	50%	41%
MINIMUM STREET FRONTAGE	40'	42'
PRIMARY STRUCTURE MINIMUM SETBACKS		
Front Side Line	20'	12'
Side Lot Line	10'	10'
Total of Both Side Lot Lines	25'	20'
Rear Lot Line	20'	45'
ACCESSORY STRUCTURE MINIMUM SETBACKS		
Front Lot Line	30'	N/A
Side Lot Line	5'	N/A
Rear Lot Line	5'	N/A
PAVED SURFACE SETBACKS		
Street	10'	N/A
Rear	3'	N/A
Side	3'	N/A
MAXIMUM HEIGHT		
Principal Use	35'	34.942'
MINIMUM DWELLING UNIT SEPARATION	12'	20'
BUFFER YARD	30'	0'

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. AGENCY REVIEW	06-27-2025
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

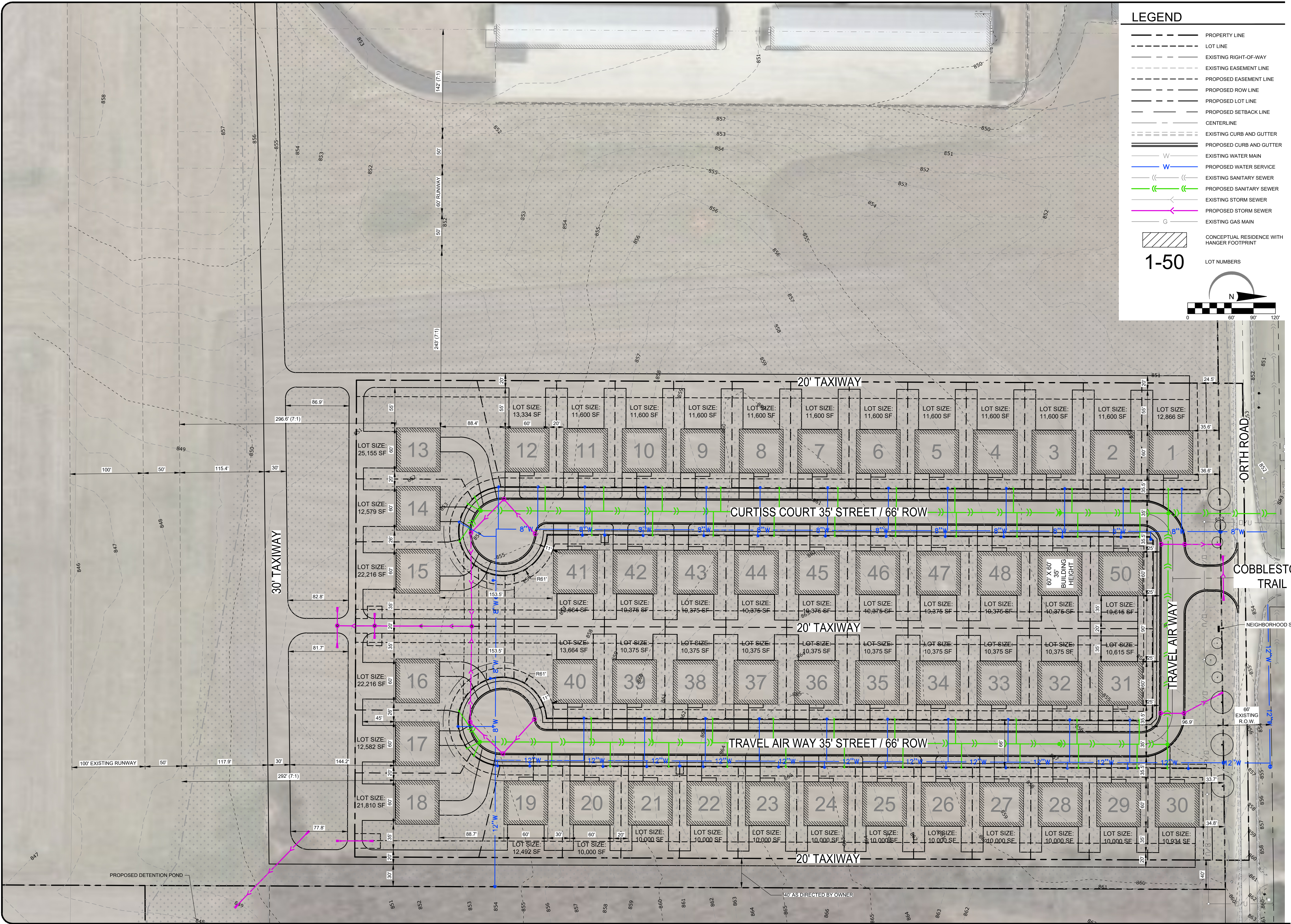
OVERALL PLAN

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-03



LEGEND

- PROPERTY LINE
- LOT LINE
- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- PROPOSED ROW LINE
- PROPOSED LOT LINE
- PROPOSED SETBACK LINE
- CENTERLINE
- EXISTING CURB AND GUTTER
- PROPOSED CURB AND GUTTER
- EXISTING WATER MAIN
- PROPOSED WATER SERVICE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING GAS MAIN
- CONCEPTUAL RESIDENCE WITH HANGER FOOTPRINT

1-50 LOT NUMBERS

0 60' 90' 120'

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR	DATE
1. AGENCY REVIEW	03-17-2025
2. AGENCY REVIEW	06-27-2025
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---
REVISIONS	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

**NEIGHBORHOOD
PLAN**

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-04

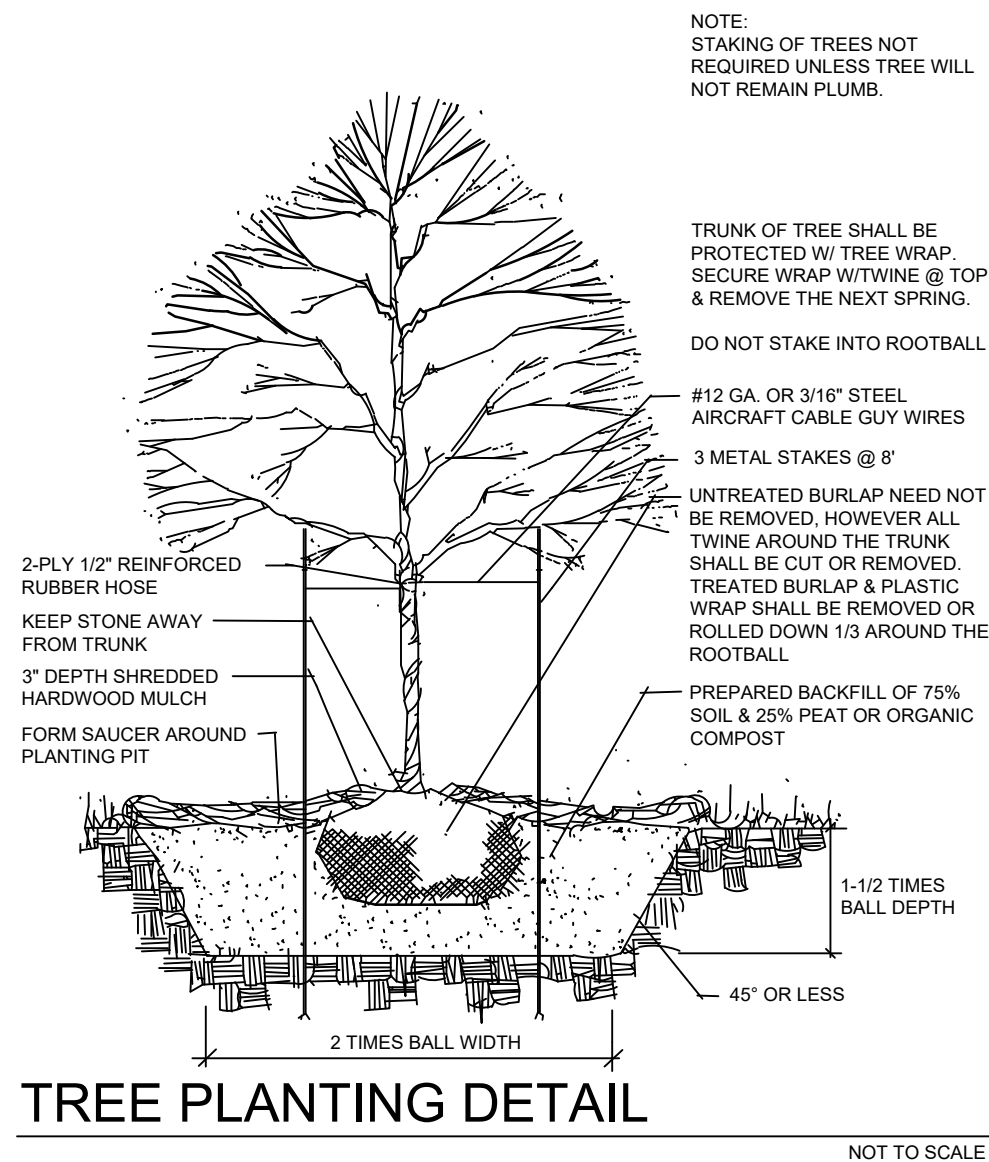


LEGEND (C-06 - C-09)

	PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	EXISTING EASEMENT LINE
	CENTERLINE
	EXISTING CURB AND GUTTER
	PROPOSED CURB AND GUTTER
	LARGE DECIDUOUS SHADE TREE
	ORNAMENTAL DECIDUOUS TREE
	CLASS 1 IDOT TURF SEED MIX WITH BLANKET, SEE CIVIL ENGINEERING PLANS FOR COORDINATION OF LOCATIONS (FIELD VERIFY)
	STORMWATER/BIOINFILTRATION #SWB (NATURALIZED DETENTION POND SLOPE STABILIZATION SEED MIX), SEE CIVIL ENGINEERING PLANS FOR COORDINATION OF LOCATIONS (FIELD VERIFY)

PLANTING NOTES

- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINING CONSTRUCTION ON HIS PHASE OF WORK. ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION CAN BE LOCATED BY CALLING J.U.L.I.E. AT 811. FOR REGIONAL LOCATING, CONTACT "DIGGERS HOTLINE". ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNERS REPRESENTATIVE PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL GRADE ENTIRE SITE TO CORRECT SURFACE IRREGULARITIES IN PREPARATION FOR SOD/SEED. ROTO-TIL, DISC, DRAG, HARROW OR HAND RAKE SUB GRADE IN ALL LAWN AREAS AND REMOVE CONSTRUCTION DEBRIS, FOREIGN MATTER OR STONES LARGER THAN 2". GRADING SHALL PROVIDE SLOPES WHICH ARE SMOOTH, CONTINUOUS, FREE FROM DEPRESSIONS OR RIDGES. LEVEL, RAKE AND ROLL AS NECESSARY TO AN EVEN AND TRUE CONDITION AND OBTAIN POSITIVE DRAINAGE IN ALL AREAS. FINISH GRADES SHALL MEET THE APPROVAL OF OWNER PRIOR TO LAWN INSTALLATION.
- ALL DISTURBED AREAS SHOULD BE BROUGHT TO GRADE WITH "TOPSOIL" TO A DEPTH OF 6 INCHES IN AREAS TO BE SEEDDED OR SODDED, AND 12 INCHES FOR ALL INTERIOR (CURBED) LANDSCAPE ISLANDS. ALL LAWN AREAS ARE TO BE FINISHED WITH MULCH, STRAW MULCH, SEED, SOD, ETC. OR AS NOTED. ALL LAWN AREAS TO BE WATERED UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED. (SEE SEED/SOD NOTES FOR ACCEPTANCE DETAILS).
- QUANTITY LISTS ARE SUPPLIED AS A CONVENIENCE; HOWEVER, THE CONTRACTOR SHOULD VERIFY ALL QUANTITIES. THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE LISTS.
- PLANTINGS MAY NEED TO BE ADJUSTED IN THE FIELD TO ACCOMMODATE UTILITIES, EASEMENTS, DRAINAGE WAYS, DOWNSPOUTS, ETC.; HOWEVER, QUANTITIES AND SIZES SHALL REMAIN CONSISTENT WITH THESE PLANS.
- SIZE & GRADING STANDARDS OF PLANT MATERIAL SHALL CONFORM TO THE LATEST ADDITION OF ANSI Z60.1 AMERICAN STANDARD OF NURSERY STOCK, BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION. PLANT MATERIAL SHALL BE NURSERY GROWN AND BE EITHER BALLED OR BURLAP OR CONTAINER GROWN.
- ALL PLANT SPECIES SPECIFIED ARE SUBJECT TO AVAILABILITY. MATERIAL SHORTAGES IN THE LANDSCAPE INDUSTRY MAY REQUIRE SUBSTITUTIONS. ALL SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT AND/OR OWNER.
- ANY PLANT MATERIALS WITH DAMAGED OR CROOKED/DISFIGURED LEADERS, BARK ABRASION, SUN SCALD, INSECT DAMAGE, ETC. ARE NOT ACCEPTABLE AND WILL BE REJECTED BY LANDSCAPE ARCHITECT AND/OR OWNER. TREES WITH MULTIPLE LEADERS WILL BE REJECTED UNLESS CALLED FOR IN THE PLANT LIST AS MULTI-STEM OR CLUMP.
- ALL PLANT MATERIAL, ESPECIALLY TREES, MUST BE SOURCED WITHIN A FIFTY (50) MILE RADIUS OF THE SUBJECT PROPERTY OR CONSTRUCTION SITE.
- UPON INSPECTION AND ACCEPTANCE OF ALL LANDSCAPE ITEMS BY LANDSCAPE ARCHITECT AND/OR OWNER THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES FOR A PERIOD OF THIRTY (30) DAYS. FOR ALL PLANT MATERIAL, TO INCLUDE: WATERING, CULTIVATING, WEEDING, PRUNING, MULCHING AND SPRAYING AS NECESSARY TO KEEP PLANTS FREE OF INSECTS AND IN A HEALTHY, VIGOROUS CONDITION UNTIL RESPONSIBILITY IS TRANSFERRED TO THE OWNER (SEE BELOW).
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR OWNER. AFTER THE FIRST THIRTY (30) DAYS, THE OWNER SHALL ASSUME MAINTENANCE RESPONSIBILITIES AS DESCRIBED (SEE ABOVE). CONTRACTOR SHALL REPLACE WITHOUT COST TO OWNER ANY DEAD OR UNACCEPTABLE PLANTS, AS DETERMINED BY THE LANDSCAPE ARCHITECT AT THE END OF ONE (1) YEAR GUARANTEE PERIOD. CONTRACTOR SHALL NOTIFY IMMEDIATELY, IN WRITING, ANY CONCERNS RELATED TO MAINTENANCE PRACTICES.
- ALL PLANTING BEDS AND TREE SAUCERS SHALL BE MULCHED CONTINUOUS WITH 3" DEPTH SHREDDED HARDWOOD MULCH, SEE PLANTING DETAILS. ALL DECIDUOUS TREES (SHADE / ORNAMENTAL) THAT ARE NOT LOCATED IN A PLANTING BED SHALL BE MULCHED WITH A 3'-0" DIAMETER CIRCLE. EVERGREEN TREES AND MULT-STEMMED ORNAMENTAL TREES SHALL BE MULCHED TO OUTER-MOST BRANCHES AT THE TIME OF INSTALLATION.
- PLANTING EDGE DELINEATION AT ALL PLANTING BED LINES AND TREE SAUCERS SHALL REQUIRE A MINIMUM 4" DEPTH "VEE" SHAPED CULTIVATED, SPADED EDGE WITH A VERTICAL FACE ABUTTING ALL LAWN AREAS AND SLOPED TO INSIDE OF PLANT BED CONTINUOUS BETWEEN LAWN AND MULCHED AREAS AS INDICATED ON PLAN.
- CONTRACTOR TO SEED ALL GENERAL DISTURBED AND SEEDDED LAWN AREAS SEED MIX TO BE A COMBINATION OF BLUEGRASS, PERENNIAL RYE AND RED FESCUE WITH THE SUGGESTED FOLLOWING ANALYSIS BY WEIGHT: 30% RUGBY KENTUCKY BLUEGRASS, 20% PARK KENTUCKY BLUEGRASS, 20% CREEPING RED FESCUE, 20% SCALDIS HARD FESCUE, AND 10% PERENNIAL RYEGRASS. SEED TO BE APPLIED AT A RATE OF 4 LBS. PER 1,000 S.F. ALL SEEDDED LAWN AREAS SHALL BE COVERED WITH STRAW MULCH OR EROSION CONTROL NETTING, CONSISTING OF HAND OR MACHINE APPLICATION AT A RATE OF 2 TON PER ACRE. MULCH SHALL BE COMPACT ENOUGH TO REDUCE EROSION OF SEED AND TOPSOIL BUT LOOSE ENOUGH TO ALLOW AIR TO CIRCULATE. INSTALL PER METHOD 1, SECTION 251, OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ALL SEEDDED TURF AREAS SHALL BE FERTILIZED AT INSTALLATION WITH 6-20-20 ANALYSIS, AT A RATE OF 6 LBS. PER 1,000 S.F.. A SECOND APPLICATION OF 21-7-14 TO BE APPLIED AT RATE OF 6 LBS. PER 1,000 S.F. AFTER THE FIRST CUTTING. ACCEPTANCE AND GUARANTEE NOTES SHALL APPLY TO ALL SEEDDED AREAS.
- ACCEPTANCE OF GRADING AND SEED SHALL BE BY LANDSCAPE ARCHITECT AND/OR OWNER. CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES FOR A MINIMUM OF SIXTY (60) DAYS OR UNTIL SECOND CUTTING, WHICHEVER IS LONGER. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, RE-SEEDING (WASH-OFFS) AND OTHER OPERATIONS NECESSARY TO KEEP LAWN IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE, OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES. AFTER LAWN AREAS HAVE GERMINATED, AREAS WHICH FAIL TO SHOW A UNIFORM STAND OF GRASS FOR ANY REASON WHATSOEVER SHALL BE RE-SEEDDED REPEATEDLY UNTIL ALL AREAS ARE COVERED WITH A SATISFACTORY STAND OF GRASS. MINIMUM ACCEPTANCE OF SEEDDED LAWN AREAS MAY INCLUDE SCATTERED BARE OR DEAD SPOTS, NONE OF WHICH ARE LARGER THAN ONE (1) SQUARE FOOT AND WHEN COMBINED DO NOT EXCEED 2% OF TOTAL LAWN AREA.
- CONTRACTOR TO GRADE AND PREPARE THE RELATED DETENTION BASIN AREA AS SHOWN ON THE PLANS AND TO ALLOW FOR THE INSTALLATION OF NATIVE, STORMWATER/BIOINFILTRATION (NATURALIZED, DETENTION POND SLOPE STABILIZATION, NO-MOW) SEED MIX. SEED MIX TO BE #SWB, BY AGRECOL NATIVE NURSERY, 1 (608) 223-3571, WWW.AGRECOL.COM, OR APPROVED EQUAL. SEED TO BE INSTALLED FROM THE NORMAL WATERLINE TO 1'-0" ABOVE/BEYOND THE LIMITS OF DISTURBANCE OR AS SHOWN ON PLANS, FIELD VERIFY SEEDING LIMITS WITH ENGINEER AND/OR OWNER PRIOR TO INSTALLATION. SEED TO BE INSTALLED PER MANUFACTURERS STANDARDS AND SPECIFICATIONS (REFER TO IDOT STANDARDS).



TREE PLANTING DETAIL

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE AIRPORT EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1. AGENCY REVIEW	DATE
2. --	03-17-2025
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

OVERALL RESTORATION PLAN

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-05

MATCHLINE - SEE SHEET C-08



SEE SHEET C-05
FOR LEGEND
AND NOTES

ARC

DESIGN

RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

RESTORATION
PLAN WEST

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-06

RESTORATION LIMITS
(VERIFY WITH SITE PLANS)

30' TAXIWAY

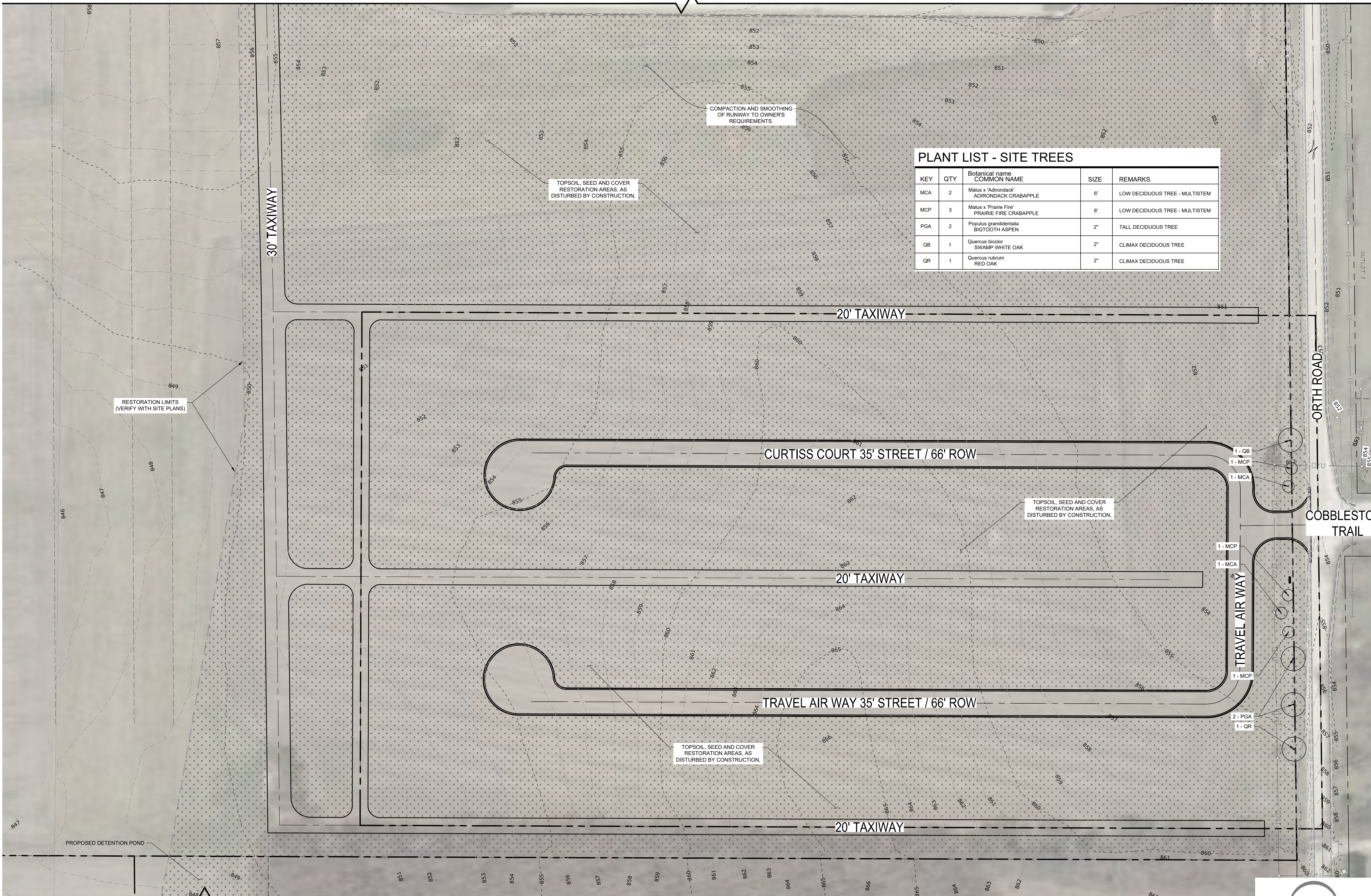
TOPSOIL, SEED AND COVER
RESTORATION AREAS, AS
DISTURBED BY CONSTRUCTION.

TOPSOIL, SEED AND COVER
RESTORATION AREAS, AS
DISTURBED BY CONSTRUCTION.

RESTORATION LIMITS
(VERIFY WITH SITE PLANS)

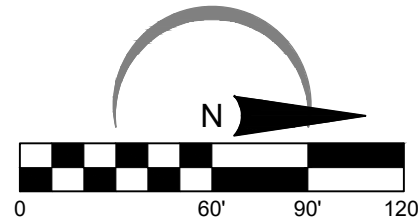
MATCHLINE - SEE SHEET C-07

MATCHLINE - SEE SHEET C-06



MATCHLINE - SEE SHEET C-09

SEE SHEET C-05 FOR
LEGEND AND NOTES



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

RESTORATION
PLAN EAST

DRAWN TRS

CHECKED LND

PM RCS

PROJECT NUMBER
SHEET NUMBER

24033
C-07



SEE SHEET C-05
FOR LEGEND
AND NOTES

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--
7. --		--
8. --		--
9. --		--
10. --		--
11. --		--
12. --		--
REVISIONS		DATE
1. --		--
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--

SHEET TITLE

**EXISTING POND
RESTORATION
PLAN**

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-08

✓
MATCHLINE - SEE SHEET C-08

[illegible]

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

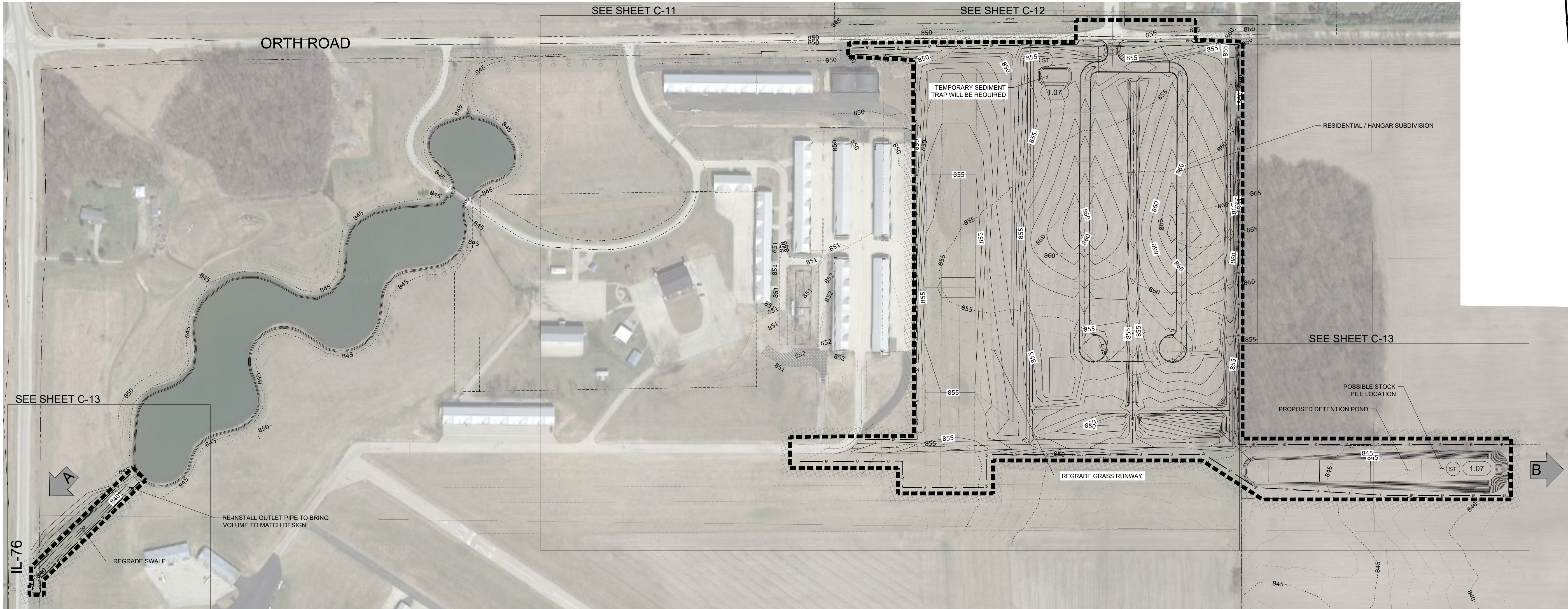
ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---
REVISIONS		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

SHEET TITLE

SWALE AND PROPOSED POND RESTORATION PLAN

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER



LEGEND

SEE SITE PLAN SET FOR EXISTING SYMBOLS

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- PERMANENT STORM SEWER FLOWING TO THE LEFT. SEE SITE DRAINAGE PLAN FOR PERMANENT STORM SEWER INFORMATION
- PROPOSED CONTOUR LINE
- EXISTING CONTOUR LINE
- PROPOSED CURB AND GUTTER
- PROPOSED CATCH BASIN OR MANHOLE
- DIRECTION OF OVERLAND FLOOD ROUTE
- DIRECTION OF OVERLAND FLOW AND SLOPE
- TURF AREA (SEE LANDSCAPING PLAN FOR TYPE)
- SEE SPECIFIC KEY NOTE ON THIS SHEET

EROSION DETAILS (SEE SWPPP DETAILS SHEET FOR ITEMS BELOW)

- 1.01 CE TEMPORARY STONE CONSTRUCTION EXIT
- 1.02 SF TEMPORARY SILT FENCE
- 1.03 IP INLET PROTECTION PER STRUCTURE TYPE
- 1.04 OCP OUTLET CONTROL PROTECTION
- CD TEMPORARY CHECK DAM
- 1.05 BLS SHORT TERM SLOPE EROSION CONTROL BLANKET
- TR PERMANENT TURF REINFORCEMENT. ADD REINFORCEMENT TYPE (NORTH AMERICAN GREEN P300 OR CHANNEL REINFORCEMENT BASED ON SITE CONDITIONS)
- 1.07 ST TEMPORARY SEDIMENT TRAP
- WO CONCRETE WASHOUT

EROSION CONTROL REFERENCE NOTES

- 1.01 SEE CONSTRUCTION EXIT DETAIL IL-630 FROM THE ILLINOIS URBAN MANUAL (THIS DETAIL AND OTHERS CAN BE FOUND IN THE SWPPP BINDER FOR THIS SITE). THE CONSTRUCTION EXIT SHALL BE A MINIMUM OF 24" IN WIDTH AND 50' FEET IN LENGTH FROM EXISTING PAVED SURFACE. ALL CONSTRUCTION TRAFFIC MUST UTILIZE CONSTRUCTION EXITS PER DETAIL TO ACCESS THE PUBLIC ROAD. DURING CONSTRUCTION, THE CONSTRUCTION EXITS MAY BE SHIFTED AT THE CONTRACTOR'S DISCRETION TO FACILITATE GRADING OPERATION. EXIT MUST TERMINATE AT EXISTING PAVED SURFACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE RUNOFF FROM THE CONSTRUCTION EXIT IS DIRECTED BACK TOWARD THE SITE OR THAT THE RUNOFF IS CLEAR OF SEDIMENT.
- 1.02 THE CONTRACTOR MAY PERMANENTLY REMOVE ANY PORTION OF THE PERIMETER SILT FENCE AFTER ESTABLISHMENT OF FINAL GRADE AND/OR FINAL STABILIZATION RENDERS THE RESPECTIVE PORTION OF THE PERIMETER SILT FENCE UPSTREAM OF A DISTURBANCE AND/OR INEFFECTIVE AS A BEST MANAGEMENT PRACTICE. ANY SUCH REMOVAL SHALL BE NOTED ON THE SWPPP SITE MAPS ALONG WITH UPSTREAM STABILIZATION AND GRADING CONDITIONS.
- 1.03 NO STRUCTURE SHALL BE ALLOWED TO BE PROTECTED WITH ANY MEASURE OTHER THAN THOSE DETAILED IN THIS SWPPP SITE MAP FOR MORE THAN 48 HOURS OR IF RAIN IS IMMINENT. STRUCTURES THAT WILL NOT RECEIVE A CASTING WITHIN 48 HOURS OF INSTALLATION SHALL RECEIVE INLET PROTECTION. UPON INSTALLATION OF THE GRATE, INLET PROTECTION SHALL BE INSTALLED RESPECTIVE TO THE TYPE OF GRATE. STRUCTURES WITH CLOSED LIDS WILL NOT REQUIRE PROTECTION FOLLOWING INSTALLATION OF LID. CONTRACTOR SHALL NOTE TIME STRUCTURE INSTALLATION (AND PROTECTION INSTALLATION, INCLUDING TYPES OF PROTECTION) ARE EMPLOYED. WHENEVER PIPE INSTALLATION IS HALTED FOR MORE THAN 24 HOURS OR WHEN RAIN IS IMMINENT, THE OPEN END SHALL BE PROTECTED WITH A TEMPORARY BULK HEAD. A 3/4" SHEET OF PLYWOOD THAT EXTENDS 6" BEYOND THE OUTSIDE DIAMETER OF THE PIPE SHALL BE PLACED AGAINST THE EXPOSED PIPE END. GRAVEL SHALL BE PLACED AGAINST THE PLYWOOD IN SUFFICIENT QUANTITY SO AS TO ENSURE THE TIGHTEST POSSIBLE SEAL. THE TRENCH SHALL BE DEWATERED PRIOR TO REMOVING THE BULKHEAD.
- 1.04 OCP SHALL BE PLACED TO PROTECT THE UPSTREAM END OF THE PERMANENT OUTFALL PIPE PRIOR TO PIPE INSTALLATION. SEE PLAN FOR FINAL LOCATION AND TOP OF OCP ELEVATION. FOLLOWING BASIN SIDE SLOPE STABILIZATION, THE OCP SHALL BE REPLACED WITH THE PERMANENT RIPRAP PAD SPECIFIED ON THE SITE DRAINAGE PLAN.
- 1.05 SHORT TERM EROSION CONTROL FABRIC NAG SC150 SHALL BE APPLIED TO ALL SLOPES 4:1 OR STEEPER THAN 4:1 PRIOR TO PERMANENT SEEDING. FOLLOW MANUFACTURER SPECIFICATIONS FOR INSTALLATION. CONTRACTOR SHALL NOTE ALL AREAS WHERE NAG SC150 HAS BEEN INSTALLED RELATIVE TO ASBUILT GRADES AND FURNISH THESE BOUNDARIES TO THE CIVIL ENGINEER UPON REQUEST. PERMANENT SEEDING SHOULD BE PLANTED AS SOON AS IT IS PRACTICAL TO ENSURE PROPER GERMINATION PRIOR TO TERMINATION OF PERMIT COVERAGE. THE CONTRACTOR SHALL PLANT PERMANENT SEEDING AS SPECIFIED ON THE LANDSCAPING PLAN AS SOON AS FINAL BASIN GRADES ARE ESTABLISHED AS SPECIFIED ON THE GRADING PLAN. SEE SITE LANDSCAPING PLAN FOR EXACT GROUND COVER TYPE AND LOCATION.
- 1.06 OFFSITE UTILITY TRENCHING SPOILS MUST BE TREATED AS STOCKPILES FOR SWPPP PURPOSES. BMP'S MUST PROTECT THE SIDE OF THE SPOIL STOCKPILE THAT IS FARTHEST AWAY FROM THE TRENCH. INTERMEDIATE BMP'S SHALL BE LOCATED IN THE FIELD TO PREVENT DOWNSTREAM SEDIMENT RUNOFF. NO MORE THAN 100 LF OF TRENCH MAY REMAIN OPEN AT ANY ONE TIME. CONTRACTOR IS RESPONSIBLE FOR RESTORING GRADE AND VEGETATION THROUGHOUT THE DISTURBED AREA. THE CONTRACTOR SHALL ENSURE THAT THE OFFSITE WORK ZONES POSE NO PUBLIC SAFETY HAZARDS.
- 1.07 PROVIDE TEMPORARY SEDIMENT TRAP IN LOCATION OF DETENTION UNTIL DETENTION IS CONSTRUCTED. SEE IUM CONSTRUCTION SPECIFICATION AND DEWATERING DETAIL INCLUDED IN SWPPP BINDER

SITE DESCRIPTION

SITE LOCATION: 11619 IL-176, POPLAR GROVE IN BOONE COUNTY, BEING A PORTION OF THE NORTHEAST QUARTER OF SECTION 2, TOWNSHIP 44N, RANGE 3E, OF THE THIRD PRINCIPAL MERIDIAN, HOWEVER, MOST OF THE WORK TO BE PERFORMED RESIDES IN SECTION 1, TOWNSHIP 44N, RANGE 3E, OF THE THIRD PRINCIPAL MERIDIAN.
LATITUDE: 42.32705
LONGITUDE: -88.83360
ADJACENT PROPERTIES: THE MAIN AREA TO BE DISTURBED (THE RESIDENTIAL / HANGAR SUBDIVISION) IS BORDERED BY AN AGRICULTURAL FIELD TO THE EAST, RESIDENTIAL SITES TO THE NORTH AND WEST AND THE AIRPORT RUNWAYS AND RESIDENTIAL SITES TO THE SOUTH.
SITE TOPOGRAPHY: AT THE AREA OF MOST DISTURBANCE (THE RESIDENTIAL / HANGAR SUBDIVISION) THE SITE HAS A HIGH POINT NEAR THE CENTER OF THE EAST PROPERTY LINE AND SLOPES DOWN IN ALL DIRECTIONS. ELEVATIONS RANGE FROM 860' AT THE HIGH POINT TO 850' ALONG ORTH ROAD ROW AND CONTINUE TO SLOPE DOWNWARDS HEADING SOUTH. THE EXISTING VEGETATION ON SITE CONSISTS OF AGRICULTURAL FIELDS AND MAINTAINED CUT GRASS.
RAINFALL INFORMATION: THE TOTAL AVERAGE ANNUAL RAINFALL FOR THE PROJECT AREA IS APPROXIMATELY 37 INCHES.
POST-CONSTRUCTION CONDITIONS: POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE THE DISTURBED AREA: 0.46 (IMPERVIOUS C = 0.95, PVIOUS C = 0.25)
TOTAL SITE AREA: LIMITS OF SITE = 228.52 AC± (THE CONTINUOUS OWNERSHIP OF LAND WHERE WORK IS TO BE PERFORMED)
LIMITS OF DISTURBANCE = 40.79 AC±
ANTICIPATED DISTURBED IMPERVIOUS AREAS = 12.46 AC±
ANTICIPATED DISTURBED SEEDED AREA: 28.33 AC±

ENVIRONMENTAL PERMITS - OTHER THAN NPDES, STORMWATER AND/OR EROSION AND SEDIMENT CONTROL: WETLANDS-NONE
THREATENED AND ENDANGERED SPECIES: THERE ARE NO KNOWN ISSUES RELATED TO THREATENED AND ENDANGERED SPECIES
HISTORICAL PROPERTIES: THERE ARE NO KNOWN ISSUES RELATED TO HISTORICAL PRESERVATION

STORMWATER OUTFLOW CONTRIBUTING AND RECEIVING WATERS

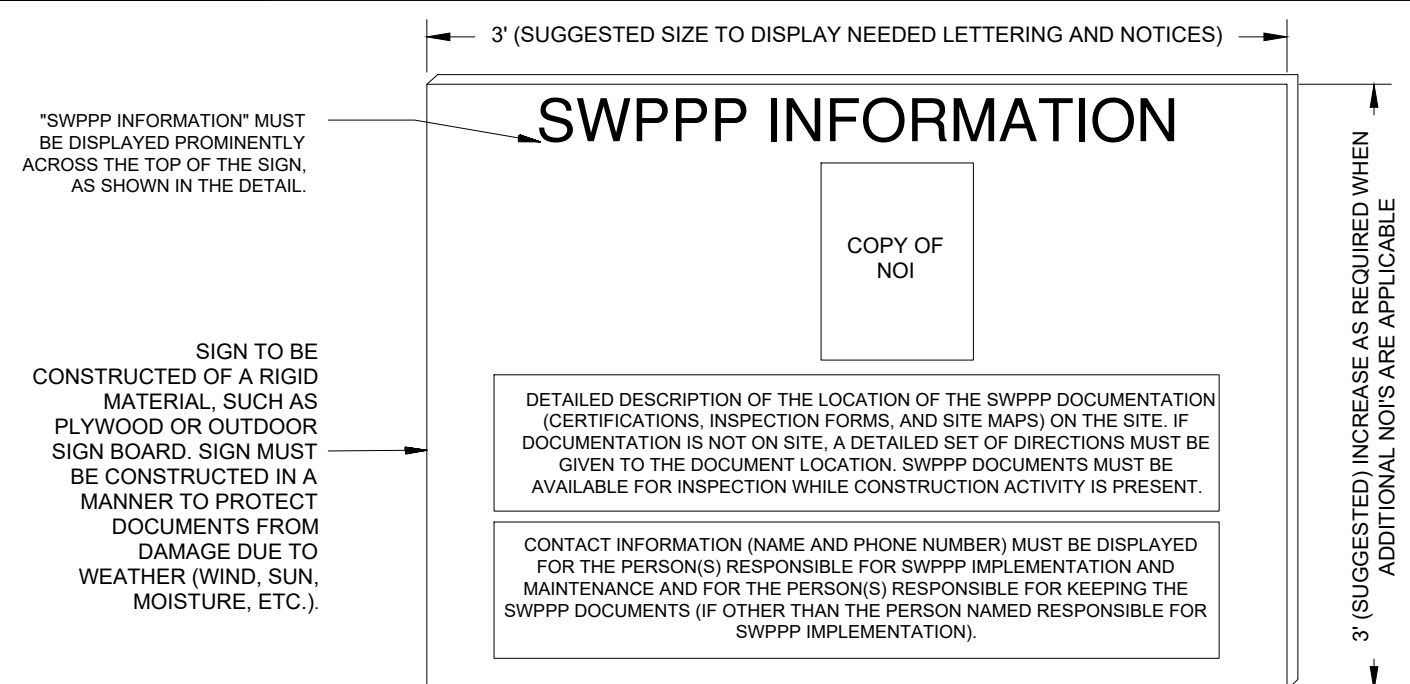
FROM SITE - DRAINAGE AREA "A" (23.4 ACRES) CONSISTS OF LANDSCAPED AREAS, PAVED AREAS AND BUILDINGS. ALL FLOWS TREATED BY PERIMETER AND INTERMEDIATE BMP'S AND TRANSPORTED VIA OVERLAND AND STORM SEWER TO A RETENTION POND AT THE NW CORNER OF THE SITE. THIS DRAINAGE AREA ULTIMATELY DRAINS TO THE WEST OF THE SITE WHERE IT LEAVES THE SITE VIA STORM SEWER. DRAINAGE AREA "B" (15.9 ACRES) CONSISTS OF LANDSCAPED AREAS, PAVED AREAS AND BUILDINGS. ALL FLOWS TREATED BY PERIMETER AND INTERMEDIATE BMP'S AND TRANSPORTED VIA OVERLAND AND STORM SEWER TO THE NEW DETENTION POND TOWARDS THE SE END OF THE DISTURBED AREA. THIS DRAINAGE AREA LEAVES THE SITE VIA OVERLAND FLOW AFTER BEING CONVEYED THROUGH THE OUTLET CONTROL STRUCTURE.

TO RECEIVING WATERS - ULTIMATELY CONVEYED TO THE KISHWAUKEE RIVER LOCATED APPROXIMATELY 4.25 MILES TO THE SOUTHWEST OF THE SITE.

SEQUENCE OF CONSTRUCTION

1. PLACE SWPPP INFORMATION SIGN ON SITE. SWPPP BOX SHALL CONTAIN A COPY OF THE LETTER OF COVERAGE AND ILLINOIS GENERAL PERMIT. SWPPP BOX SHALL CONSIST OF LARGE MAILBOX WITH THE LETTERS "SWPPP" ON THE SIDES. MAILBOX SHALL BE SUPPORTED BY A 4"x4" POST IN A 5-GALLON BUCKET OF CONCRETE, TO ALLOW THE BOX TO BE PORTABLE AND REUSABLE.
2. PREPARE TEMPORARY PARKING AND STORAGE AREA. UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASONS AREA, FUEL AND MATERIAL STORAGE CONTAINERS, ETC. (DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS)
3. CONSTRUCT THE SILT FENCES ON THE SITE. INSTALL INLET PROTECTION DEVICES IN EXISTING STRUCTURES.
4. DEMOLISH BUILDINGS.
5. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENuded AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
6. CONSTRUCT TEMPORARY SEDIMENT TRAP AND INSTALL OUTLET CONTROL PROTECTION AND LEVEL SPREADER.
7. INSTALL UTILITIES, UNDERDRAINS, AND STORM SEWERS. INSTALL INLET PROTECTION CONCURRENTLY.
8. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
9. PREPARE AREA OF SITE FOR PAVING FOR PARKING AREAS.
10. PAVE AREA OF SITE.
11. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
12. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED.)

SWPPP INFORMATION SIGN



SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

	2025												2026
CONSTRUCTION SEQUENCE	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	
TEMPORARY CONSTRUCTION EXITS													
TEMPORARY CONTROL MEASURES													
STRIP & STOCKPILE TOPSOIL													
ROUGH GRADE													
STORM FACILITIES													
SITE CONSTRUCTION													
PERMANENT CONTROL STRUCTURES													
FOUNDATION / BUILDING CONSTRUCTION													
FINISH GRADING													
LANDSCAPING/SEED/FINAL STABILIZATION													
1) SHADING SHOWN IS AN ESTIMATE FOR THE CONSTRUCTION SCHEDULE. CONTRACTOR SHALL UPDATE THE TABLE BY SHADING OR DATING THE APPLICABLE ACTIVITIES AS PROJECT PROGRESSES. 2) TIME SCHEDULE MUST COINCIDE WITH SEQUENCE OF CONSTRUCTION.													

ARC DESIGN
RESOURCES INC.

5281 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE AIRPORT EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

DATE

1. AGENCY REVIEW	03-17-2025
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

OVERALL SWPPP PLAN

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-10



MATCHLINE - SEE SHEET C-12

SEE SHEET C-10
FOR LEGEND

ARC DESIGN
RESOURCES INC.

5281 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---
REVISIONS		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

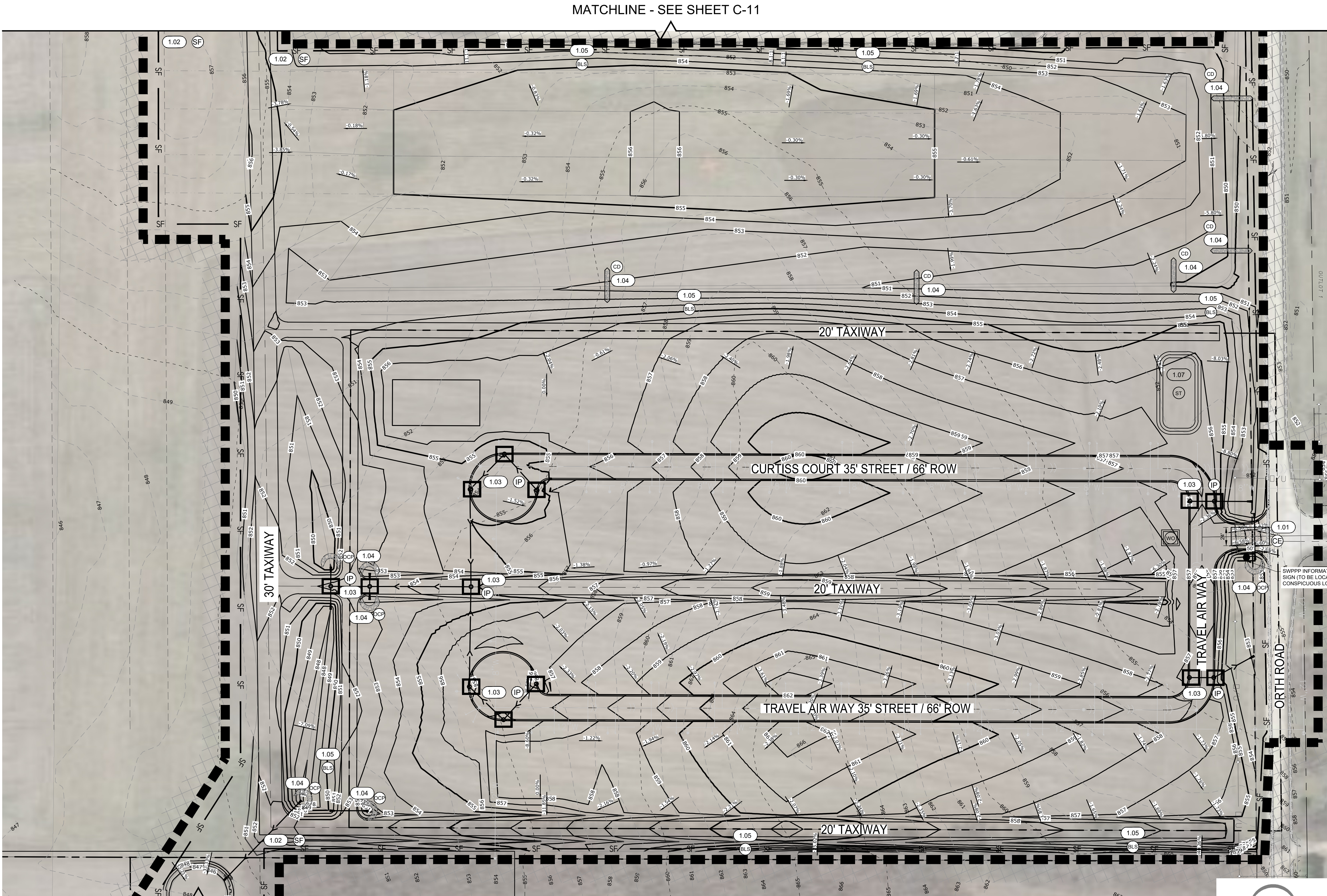
SHEET TITLE

SWPPP PLAN
WEST

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

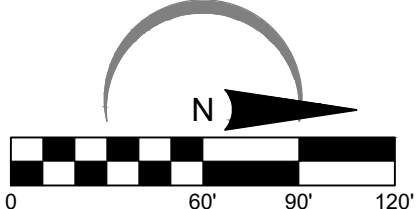
24033
C-11



MATCHLINE - SEE SHEET C-11

MATCHLINE - SEE SHEET C-13

SEE SHEET C-10
FOR LEGEND



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---
REVISIONS		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

SHEET TITLE

SWPPP PLAN EAST

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-12

N

0

60'

90'

120'

SEE SHEET C-10
FOR LEGEND

ARC

DESIGN

RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

SWPPP PLAN
SWALE AND POND

DRAWN

TRC

CHECKED

LND

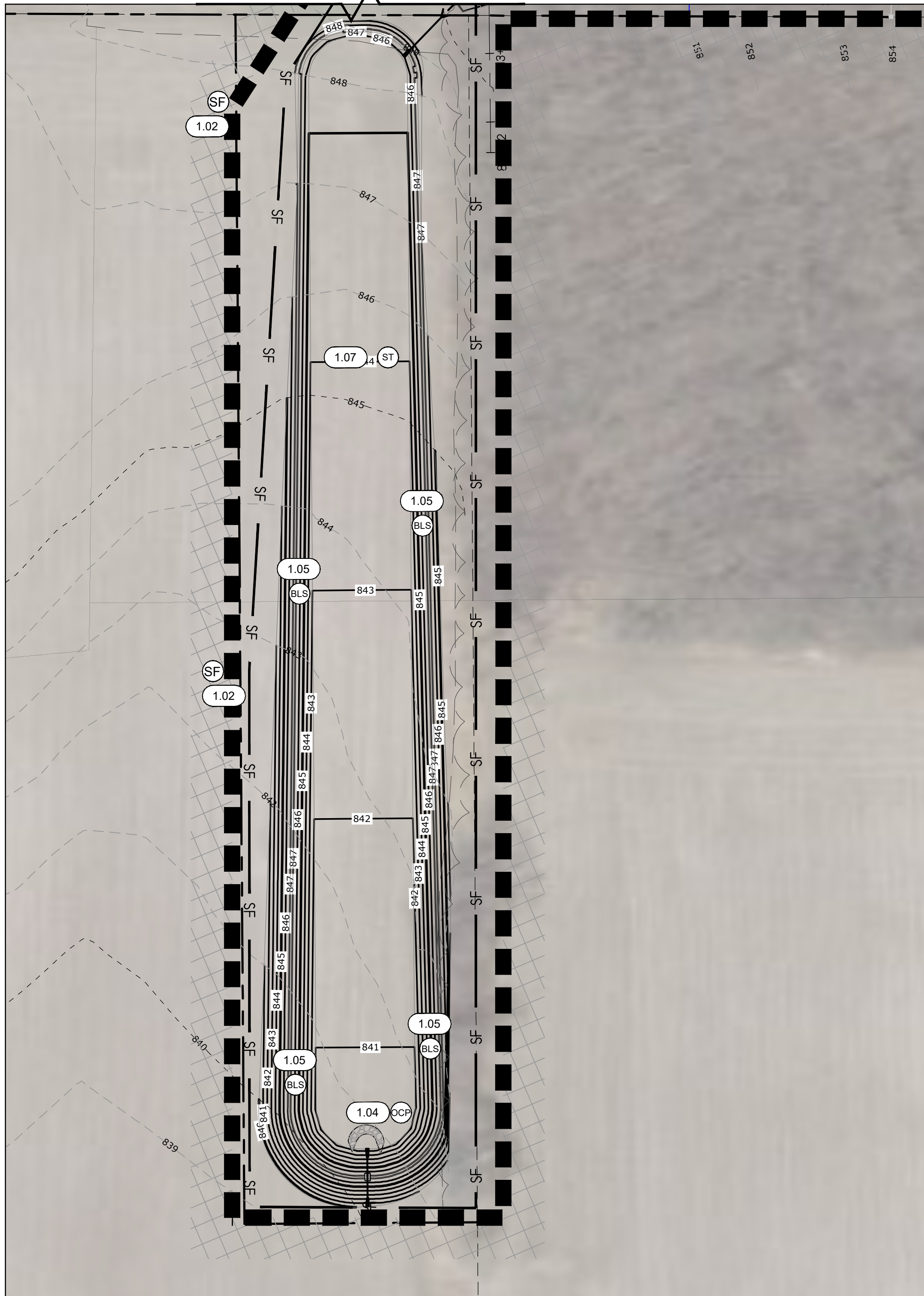
PM

RCS

PROJECT NUMBER
SHEET NUMBER

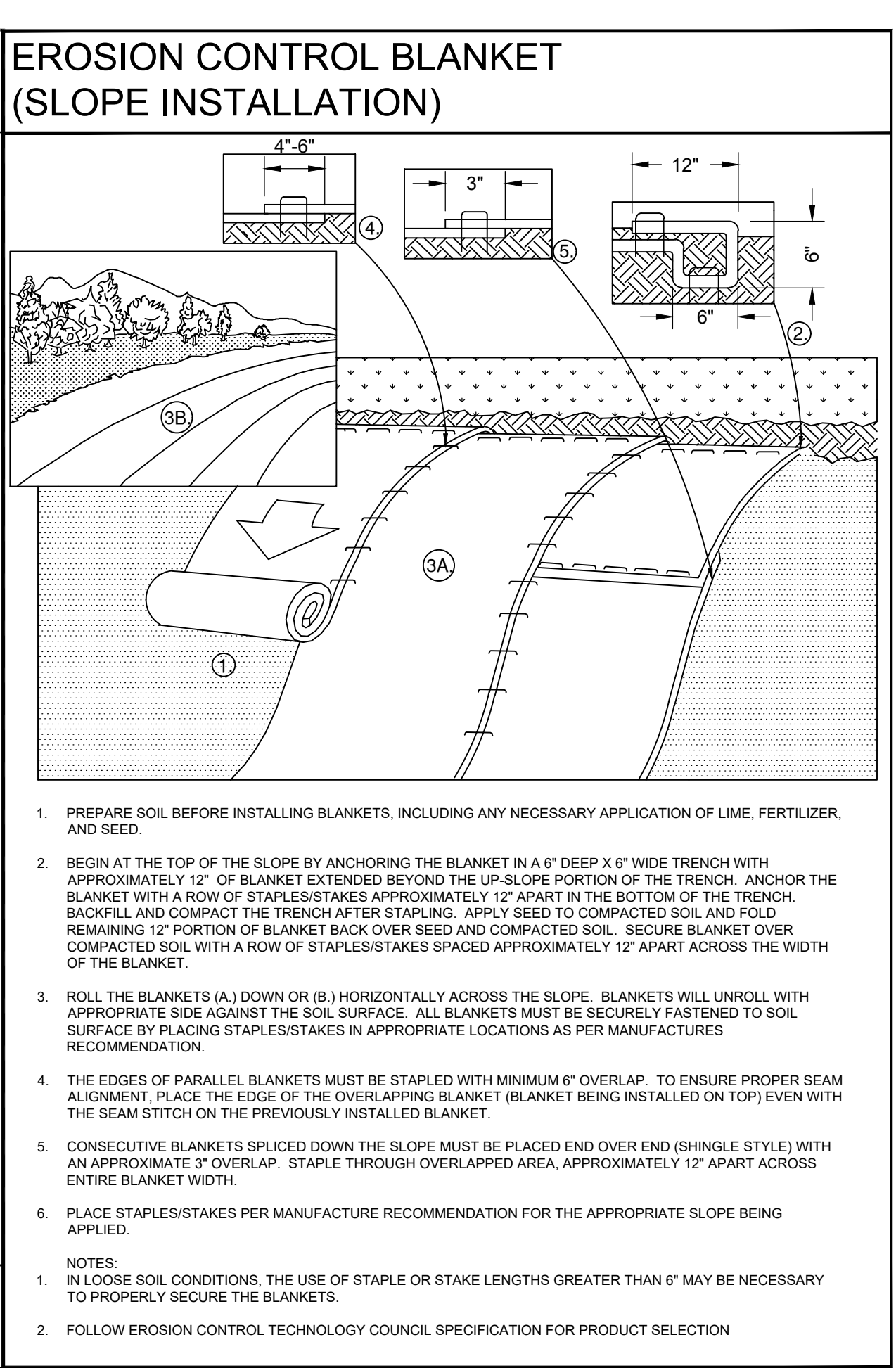
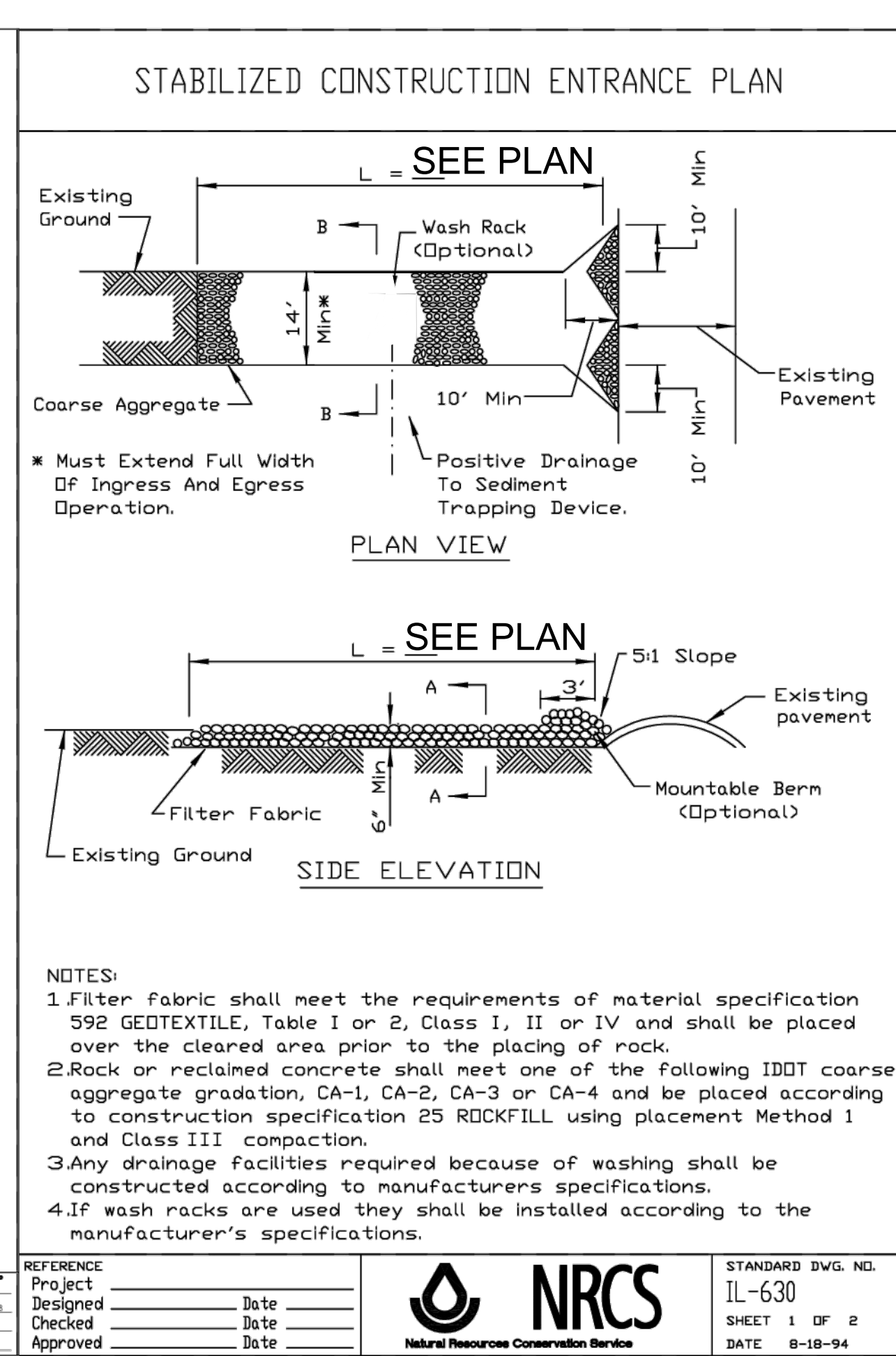
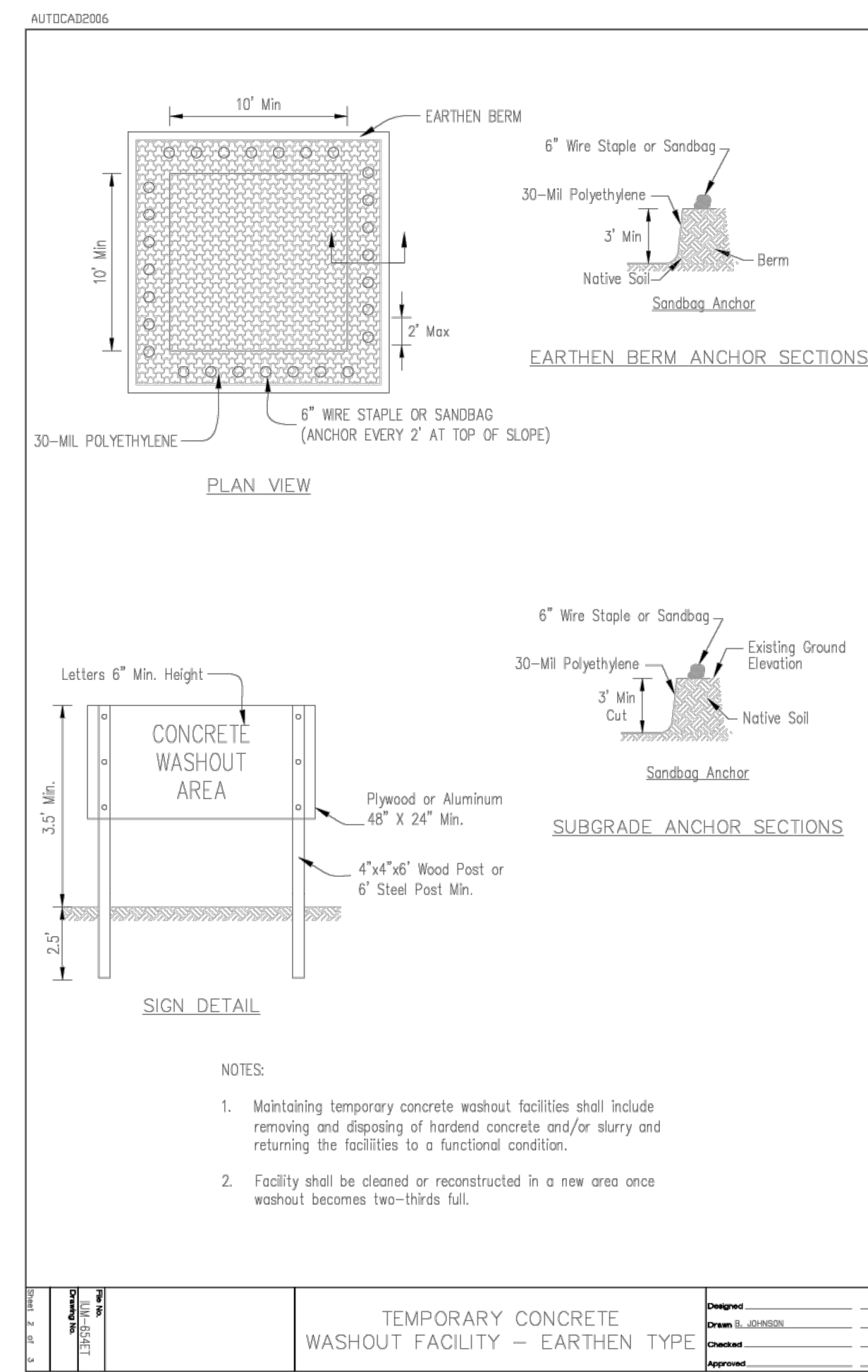
24033
C-13

MATCHLINE - SEE SHEET C-12



SWALE DETAIL



[illegible]

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

**11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY**

**STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300**

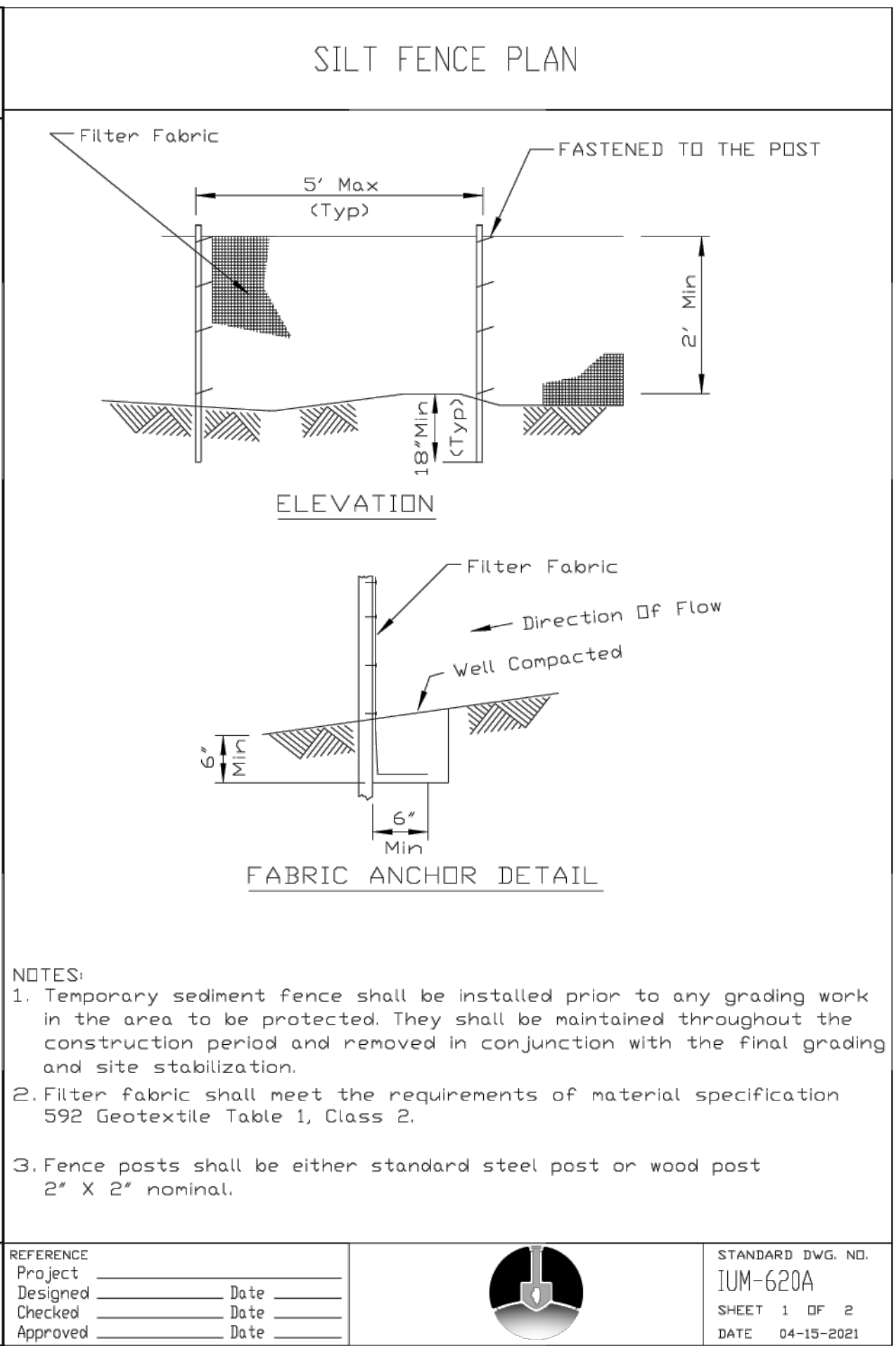
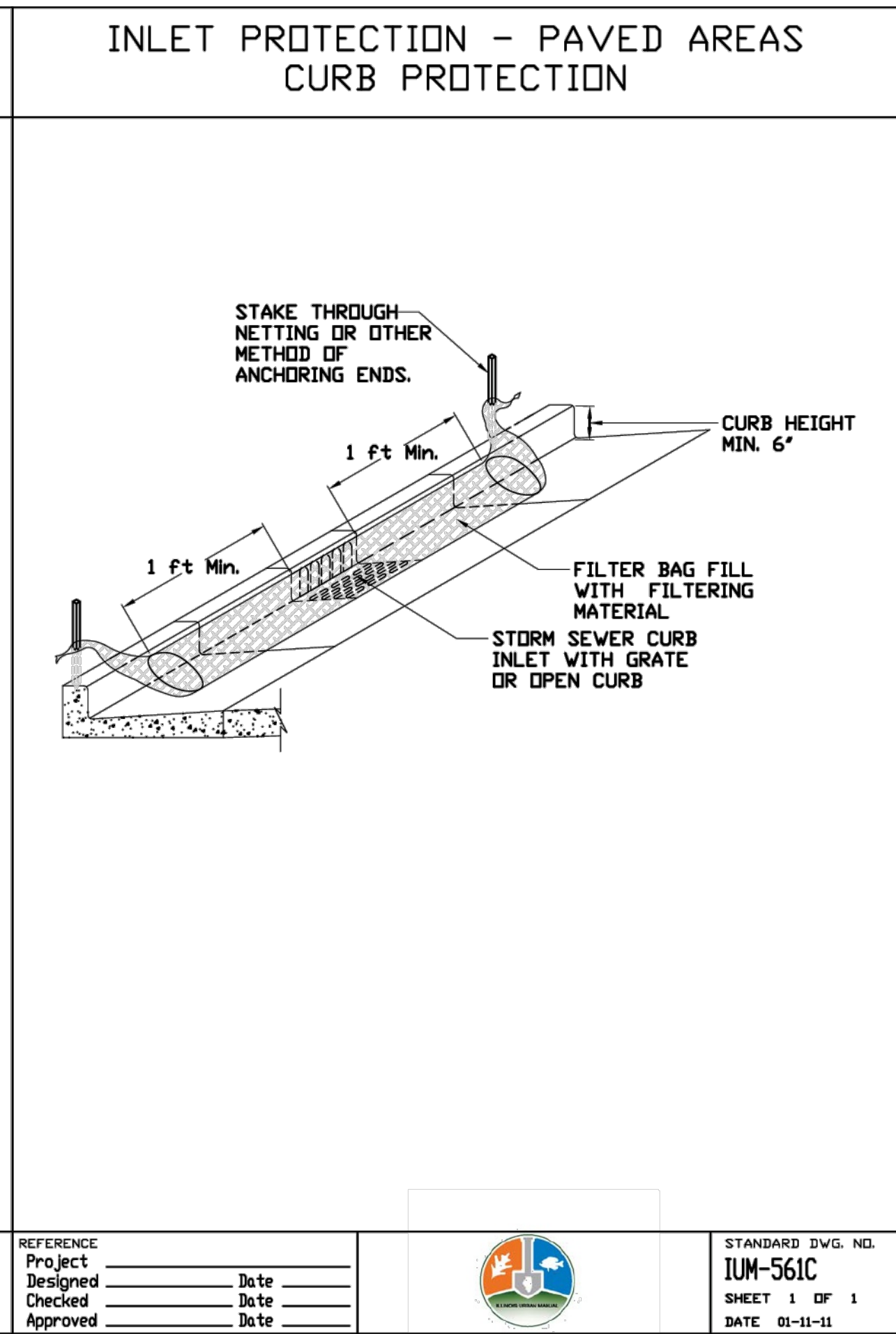
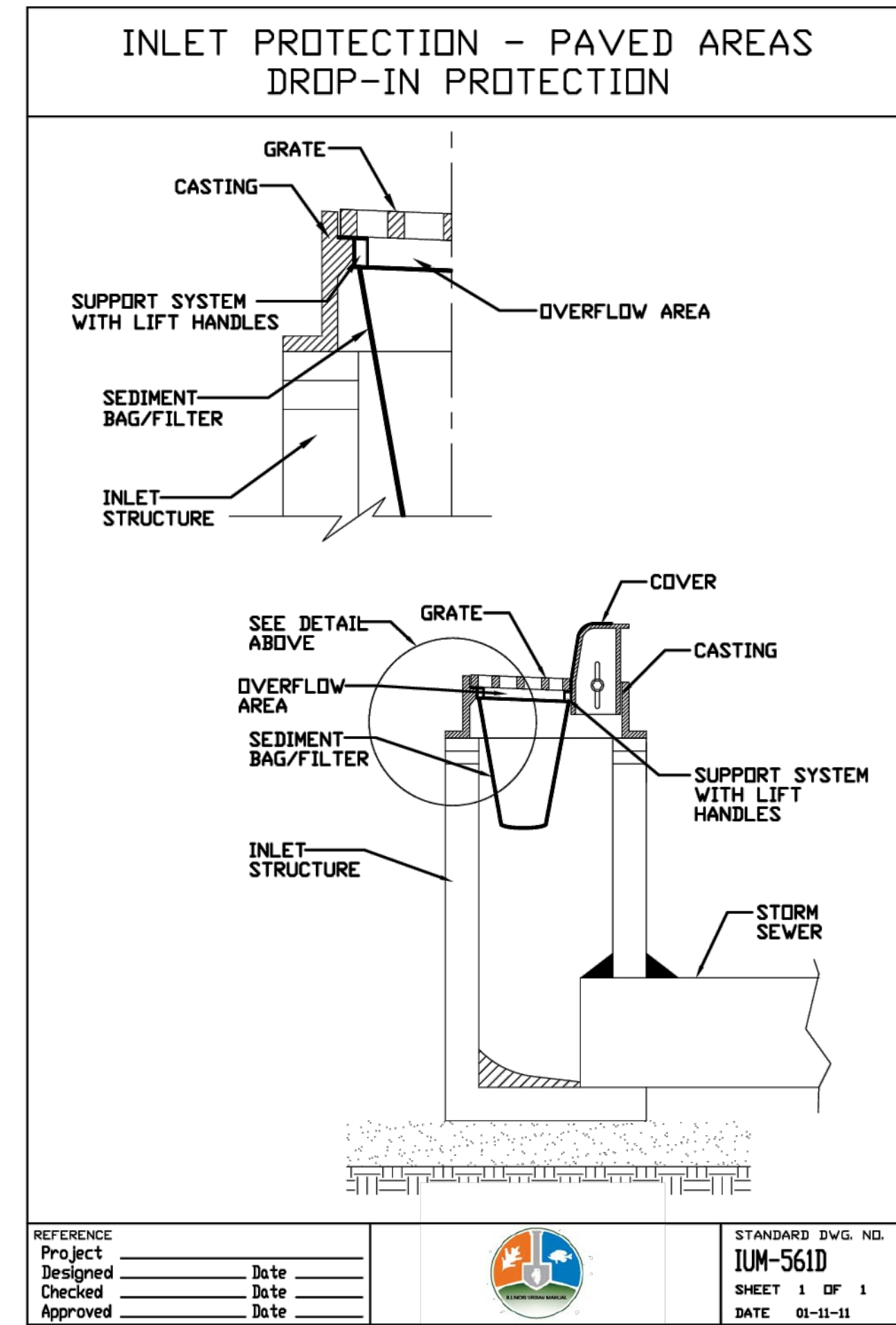
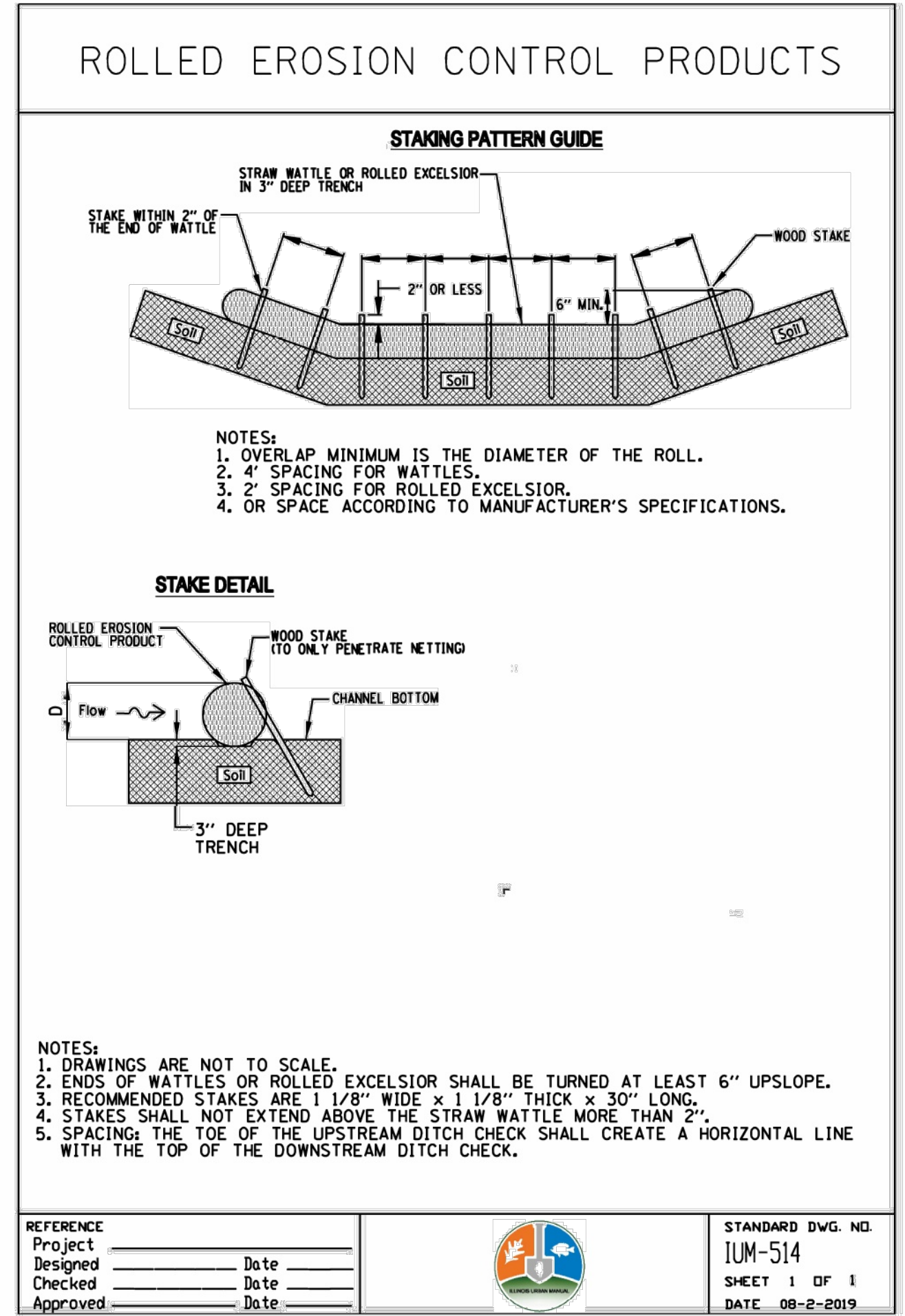
[illegible]

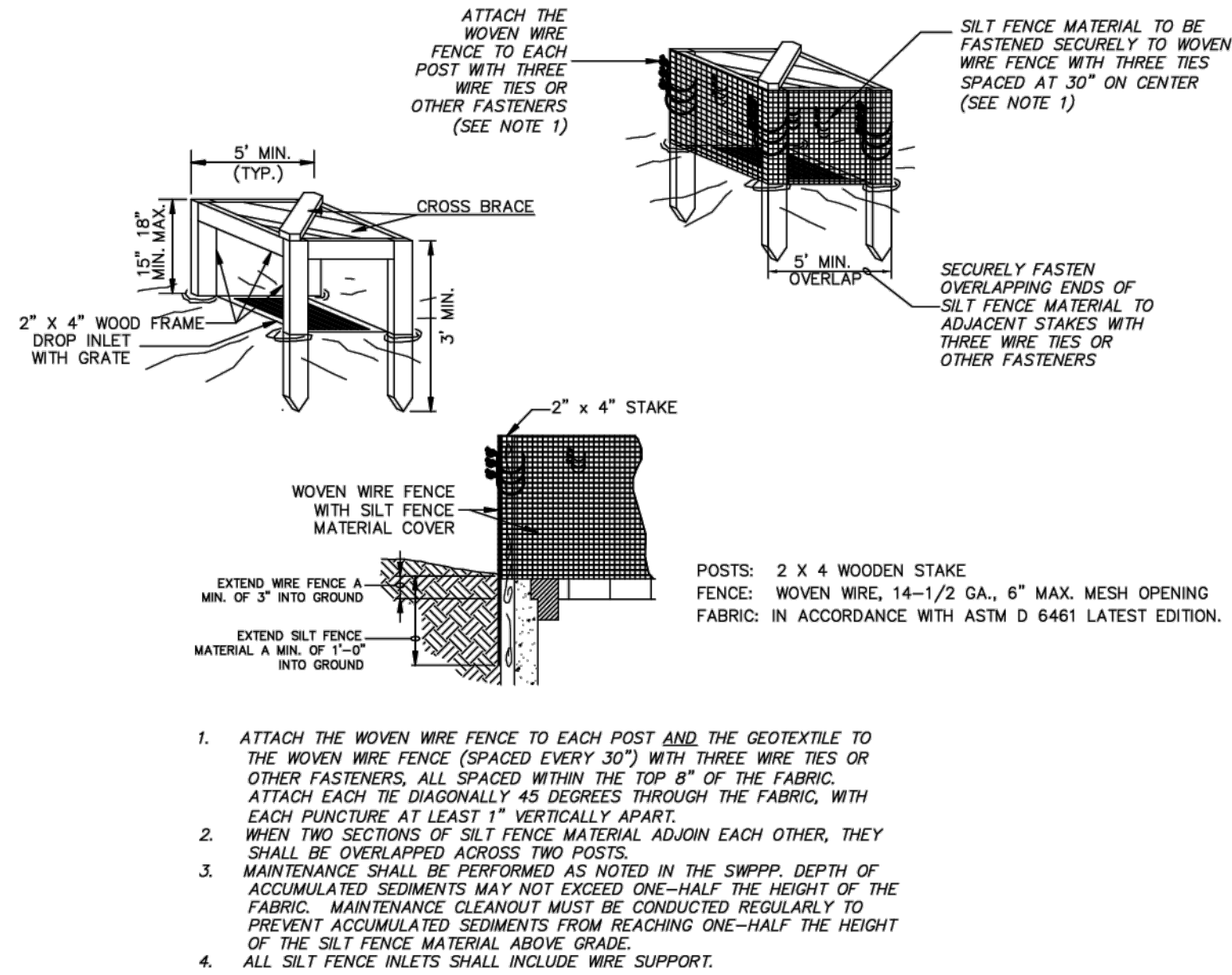
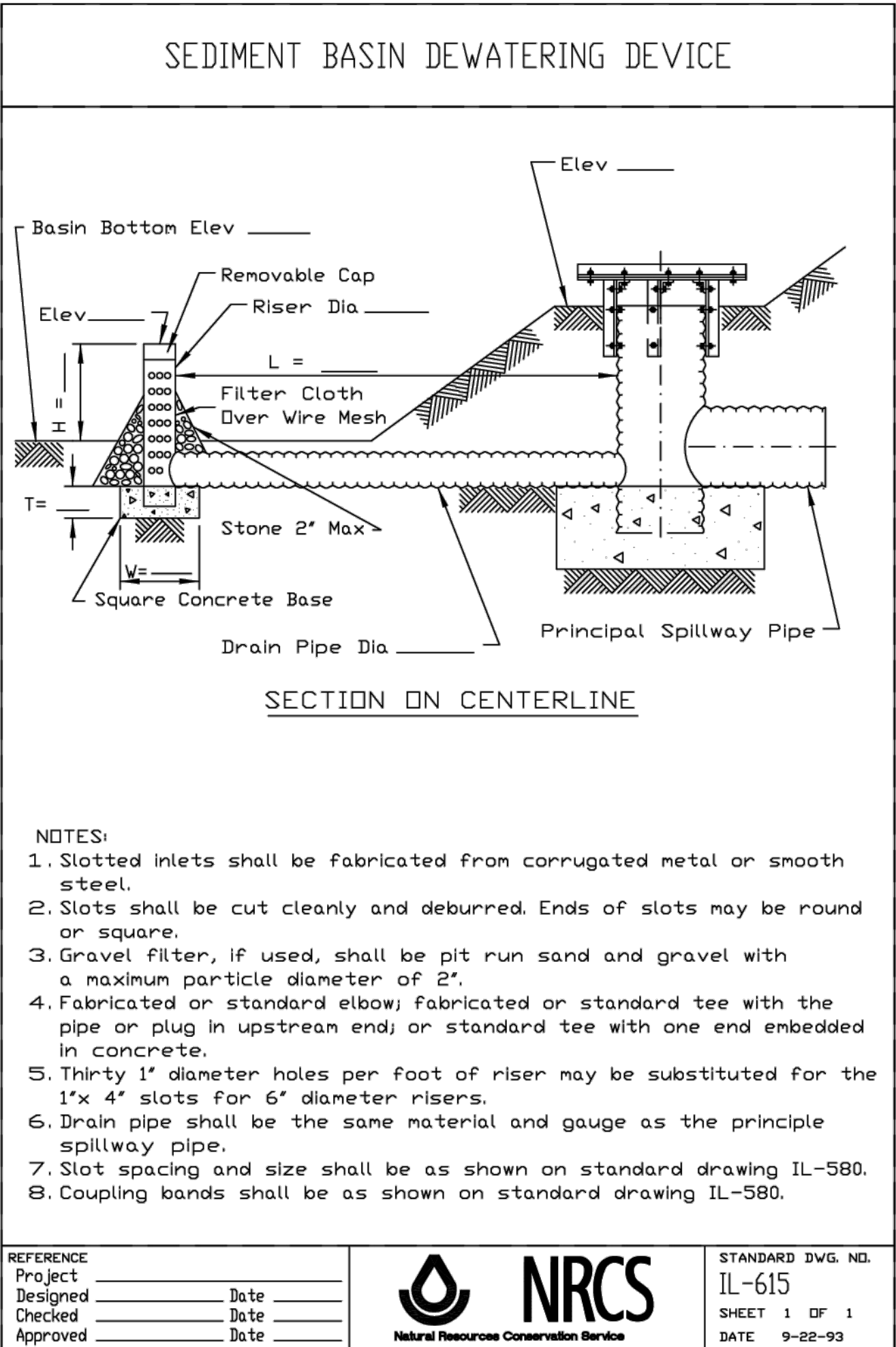
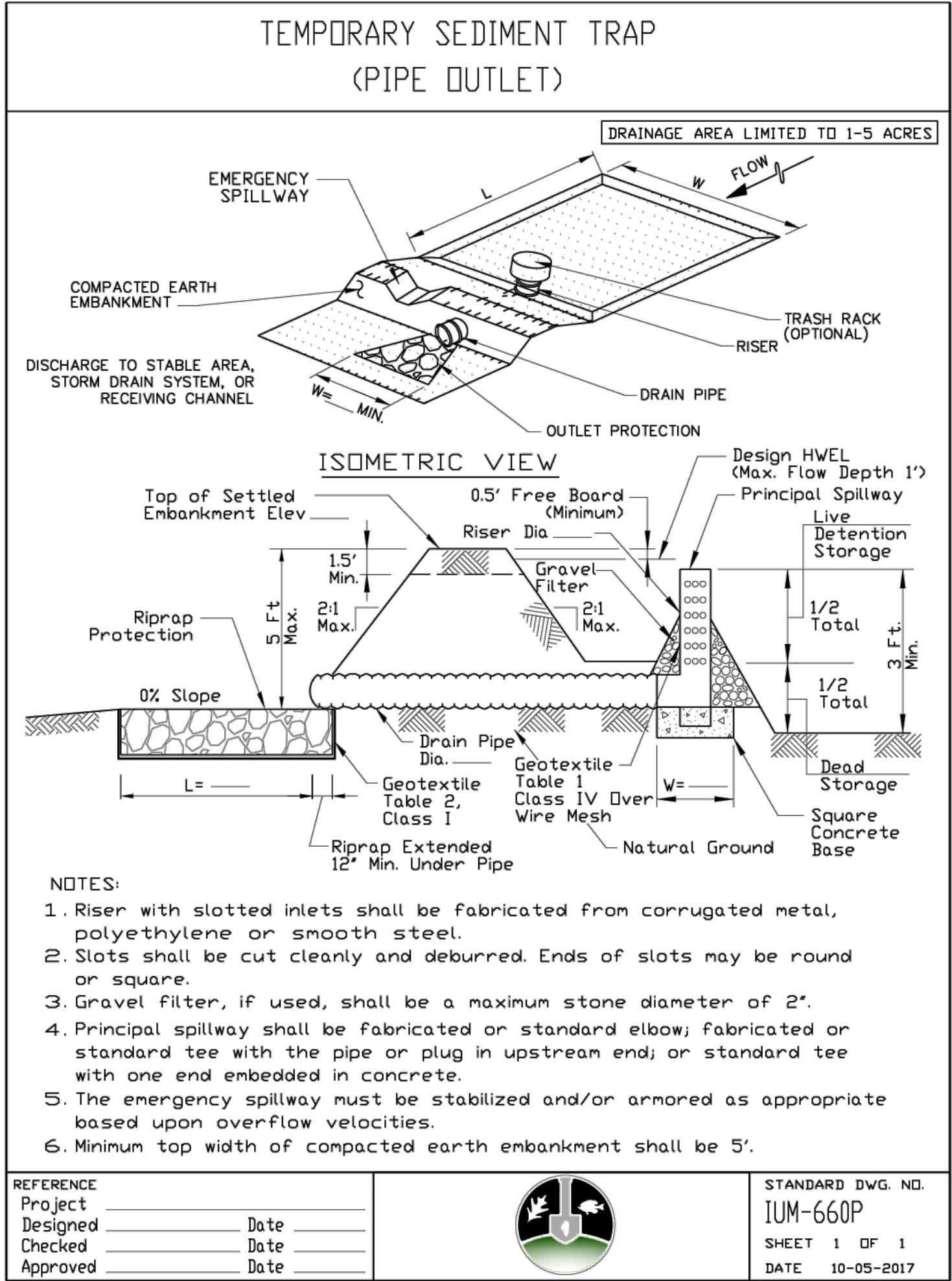
ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---
REVISIONS		
ITEM		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

SHEET TITLE	
SWPPP DETAILS	

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER
24033
C-14





7.18 - SILT FENCE INLET PROTECTION

NOT TO SCALE

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR	
1. AGENCY REVIEW	DATE
2. ---	03-17-2025
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---
REVISIONS	
ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

SWPPP DETAILS

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-15

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1.	AGENCY REVIEW	DATE
2.	--	--
3.	--	--
4.	--	--
5.	--	--
6.	--	--
7.	--	--
8.	--	--
9.	--	--
10.	--	--
11.	--	--
12.	--	--

REVISIONS

ITEM	DATE
1.	--
2.	--
3.	--
4.	--
5.	--
6.	--

SHEET TITLE

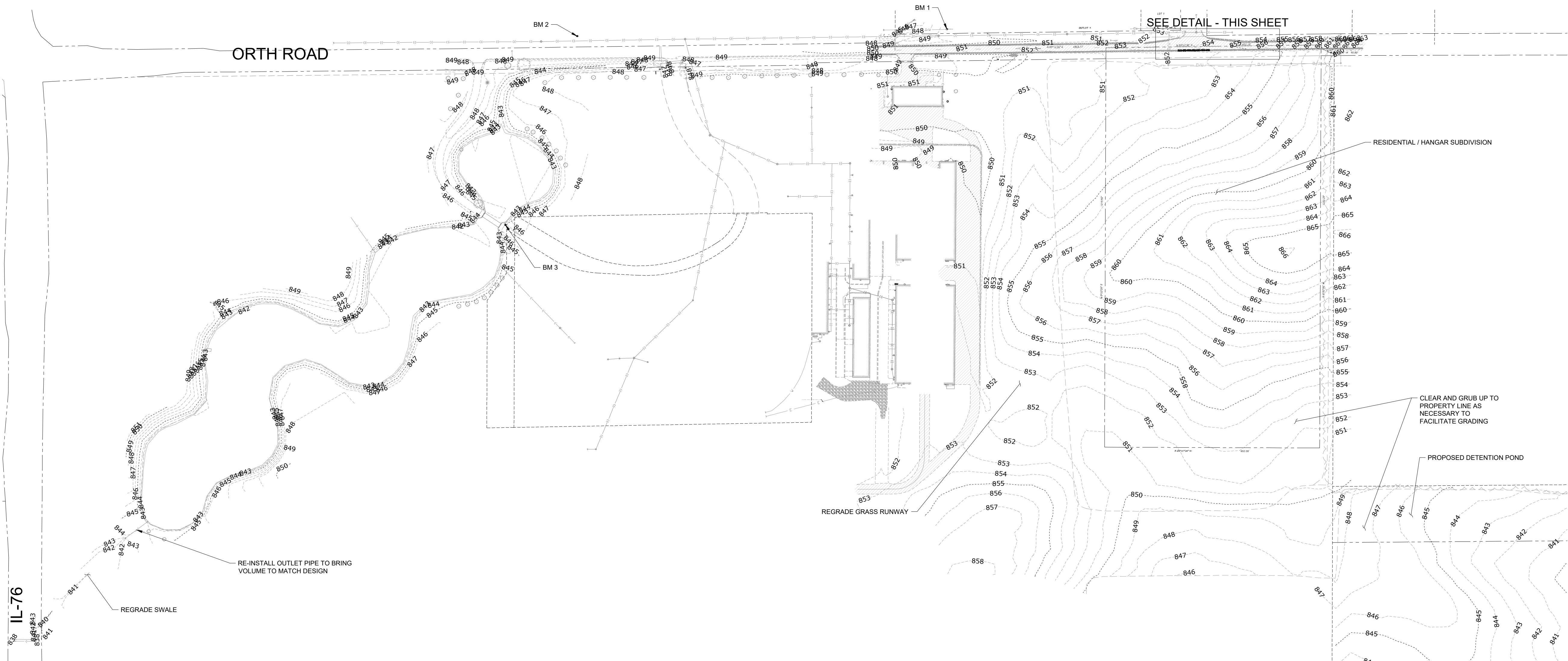
OVERALL
REMOVALS PLAN

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

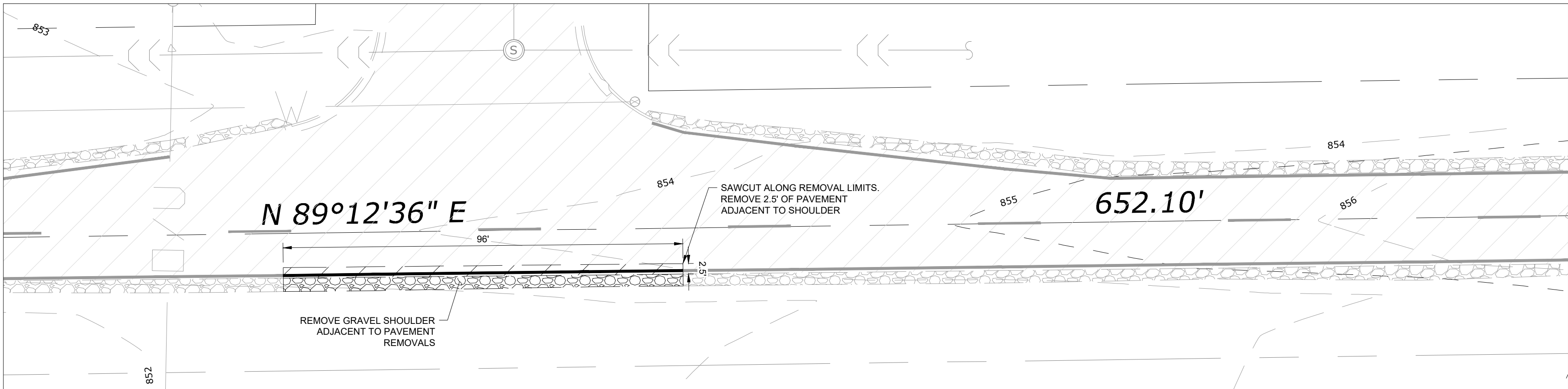
C-16



LEGEND

PROPERTY LINE	EXISTING GAS METER TO REMAIN
LOT LINE	EXISTING ELECTRIC METER TO REMAIN
EXISTING RIGHT-OF-WAY	EXISTING STORM SEWER TO REMAIN
EXISTING EASEMENT LINE	EXISTING SANITARY SEWER TO REMAIN
EXISTING CURB AND GUTTER	BENCHMARK
REMOVE EXISTING CURB AND GUTTER	EXISTING TRAFFIC SIGNAL MAST ARM
EXISTING SANITARY SEWER TO REMAIN	EXISTING SIGNAL CONTROLLER
REMOVE EXISTING SANITARY SEWER	EXISTING LIGHT POLE TO REMAIN
EXISTING STORM SEWER TO REMAIN	REMOVE EXISTING LIGHT POLE
REMOVE EXISTING STORM SEWER	EXISTING TREE TO REMAIN
EXISTING WATER TO REMAIN	
REMOVE EXISTING WATER	
EXISTING OVERHEAD UTILITIES TO REMAIN	
REMOVE EXISTING OVERHEAD UTILITIES	
EXISTING GAS MAIN TO REMAIN	
EXISTING FENCE TO REMAIN	
EXISTING CONTOUR LINE	
EXISTING ASPHALT	
REMOVE EXISTING ASPHALT	
EXISTING GRAVEL	
REMOVE EXISTING GRAVEL SHOULDER	
(SVG) "SALVAGE"	
(TYP) "TYPICAL" FOR ALL SIMILAR ITEMS	
EXISTING WATER TO REMAIN	
REMOVE EXISTING WATER	
EXISTING SIGN TO REMAIN	
REMOVE EXISTING SIGN	

REMOVALS DETAIL



BENCHMARK

DESCRIPTION	ELEVATION (USGS)
BENCHMARK 1 RAILROAD SPIKE IN POLE	851.48
BENCHMARK 2 RAILROAD SPIKE SOUTH SIDE OF POWER POLE	849.39
BENCHMARK 3 CUT SQUARE ON BRIDGE	846.09

C-17

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. AGENCY REVIEW	06-27-2025
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

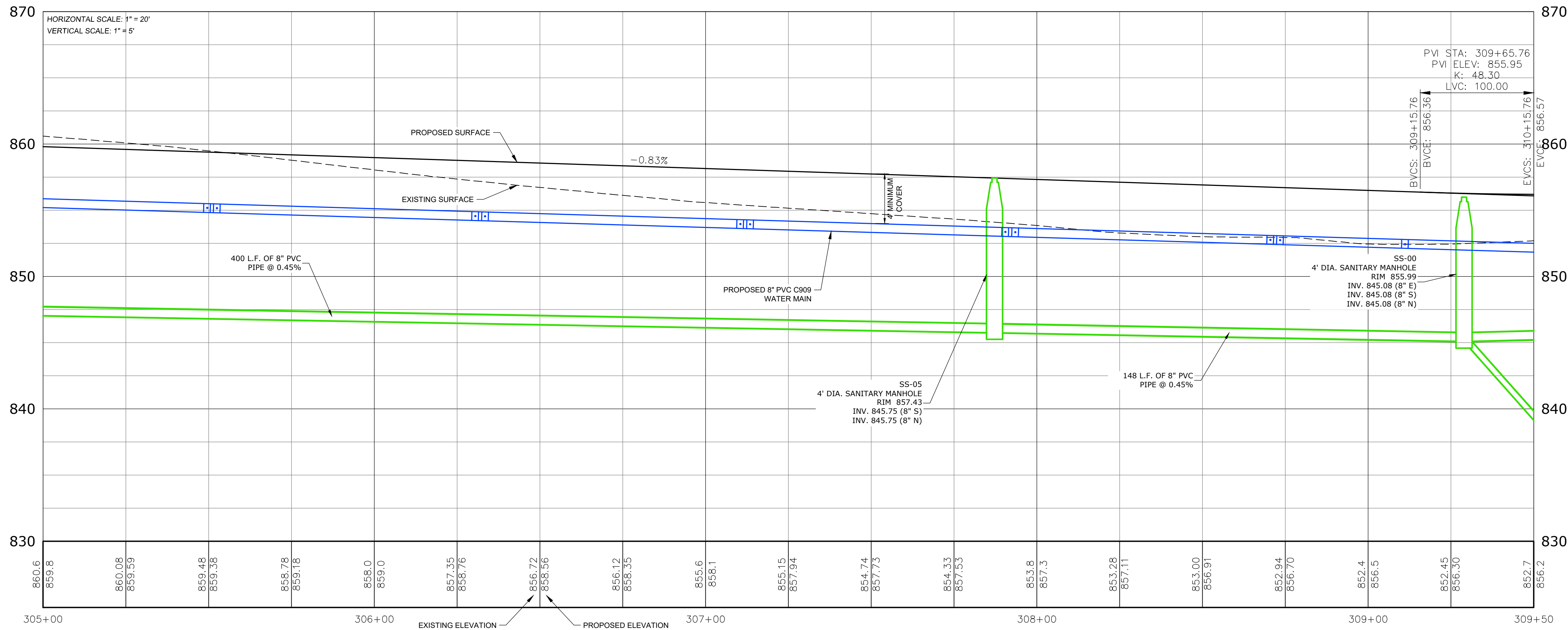
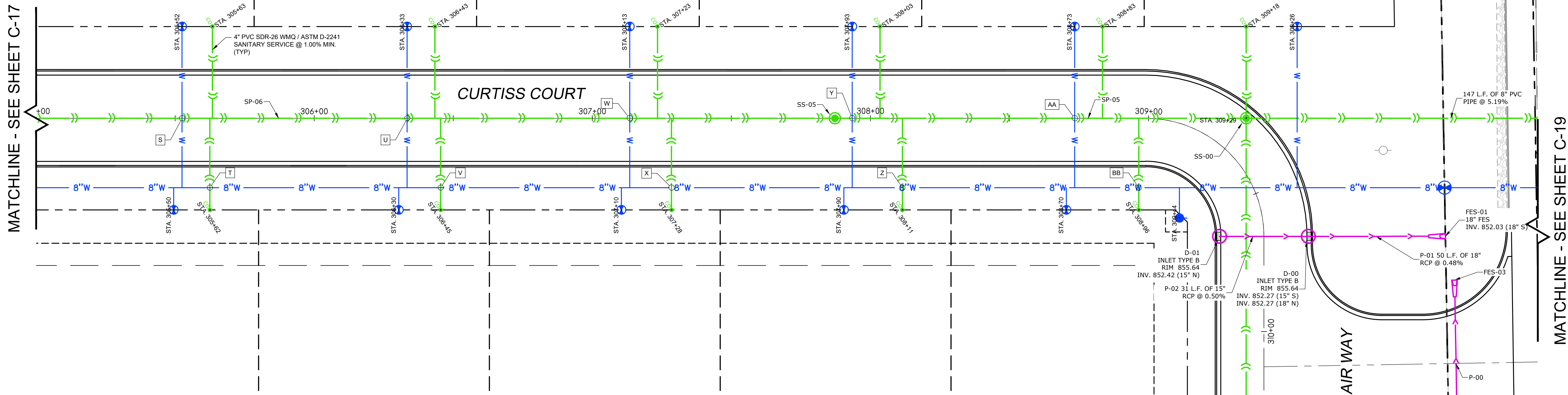
CURTISS
COURT 305+00 -
309+50

DRAWN TRS
CHECKED LND
PM RCS

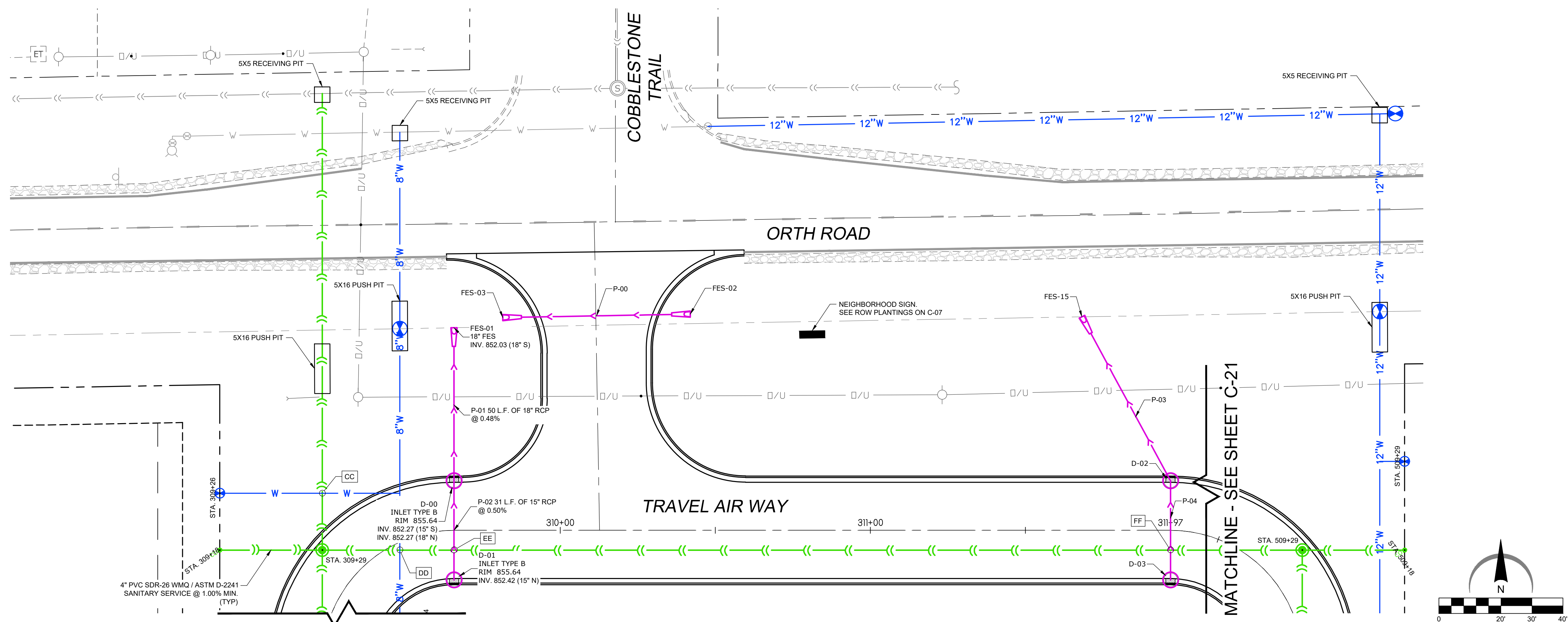
PROJECT NUMBER
SHEET NUMBER

24033

C-18

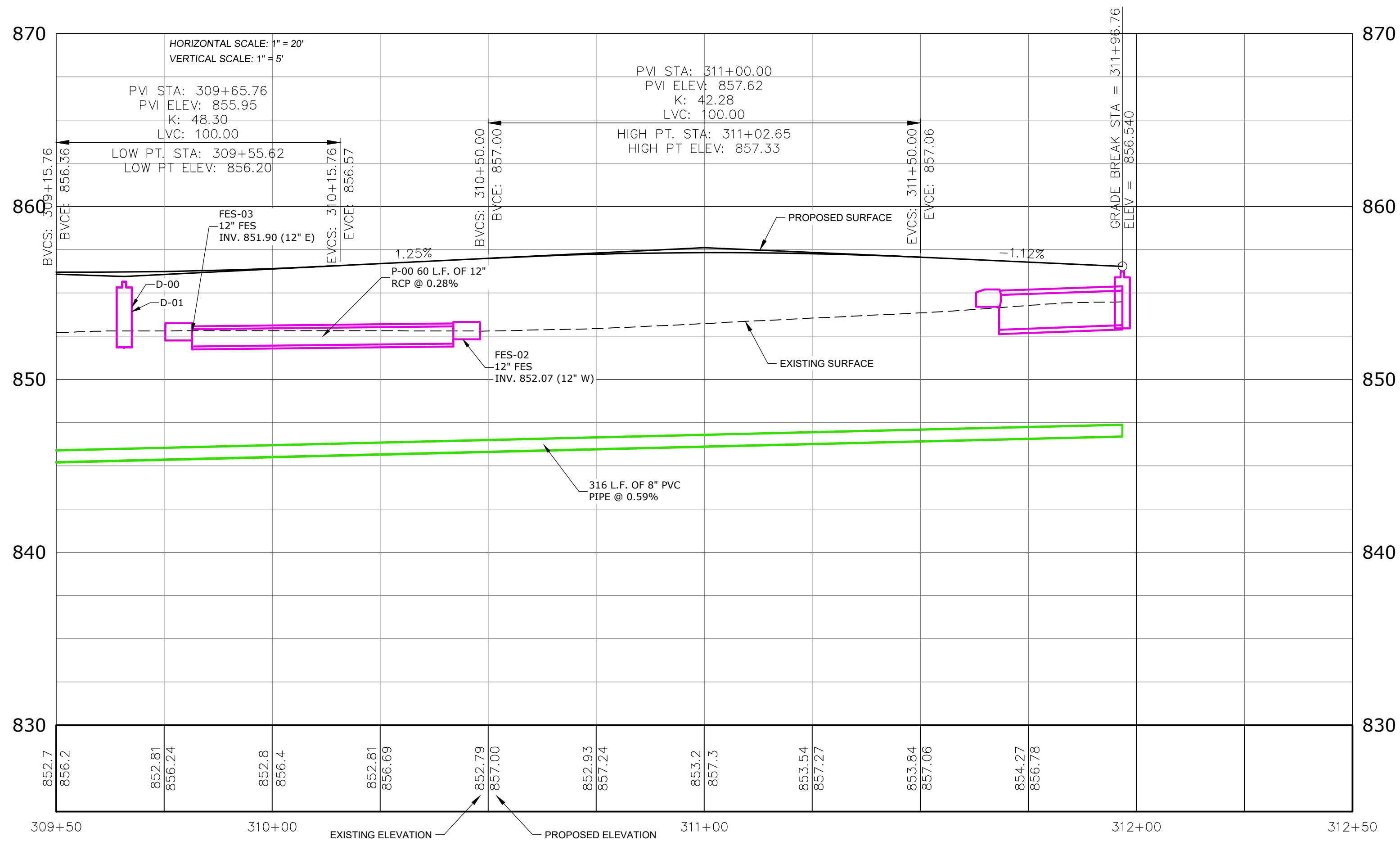
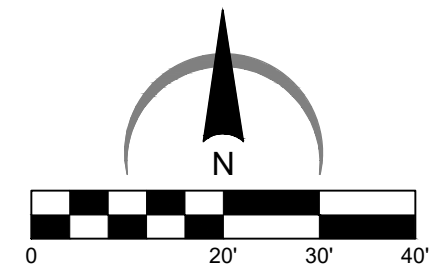


UTILITY CROSSINGS	
S	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
T	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
U	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
V	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
W	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
X	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
Y	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
Z	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
AA	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
BB	BTM WTR = 0.00, TOP SAN = 0.00, 0.00' CLEARANCE
TO BE UPDATED	



MATCHLINE - SEE SHEET C-18

MATCHLINE - SEE SHEET C-21



UTILITY CROSSINGS	
CC	8" WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
DD	8" WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
EE	8" WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
FF	8" WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE

TO BE UPDATED

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1.	AGENCY REVIEW	03-17-2025
2.	AGENCY REVIEW	06-27-2025
3.	---	---
4.	---	---
5.	---	---
6.	---	---
7.	---	---
8.	---	---
9.	---	---
10.	---	---
11.	---	---
12.	---	---
REVISIONS		DATE
1.	---	---
2.	---	---
3.	---	---
4.	---	---
5.	---	---
6.	---	---

SHEET TITLE

TRAVEL AIR WAY
309+50 - 312+44.05

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033
C-19

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1.	AGENCY REVIEW	03-17-2025
2.	AGENCY REVIEW	06-27-2025
3.	---	---
4.	---	---
5.	---	---
6.	---	---
7.	---	---
8.	---	---
9.	---	---
10.	---	---
11.	---	---
12.	---	---

REVISIONS

ITEM	DATE
1. --	---
2. --	---
3. --	---
4. --	---
5. --	---
6. --	---

SHEET TITLE

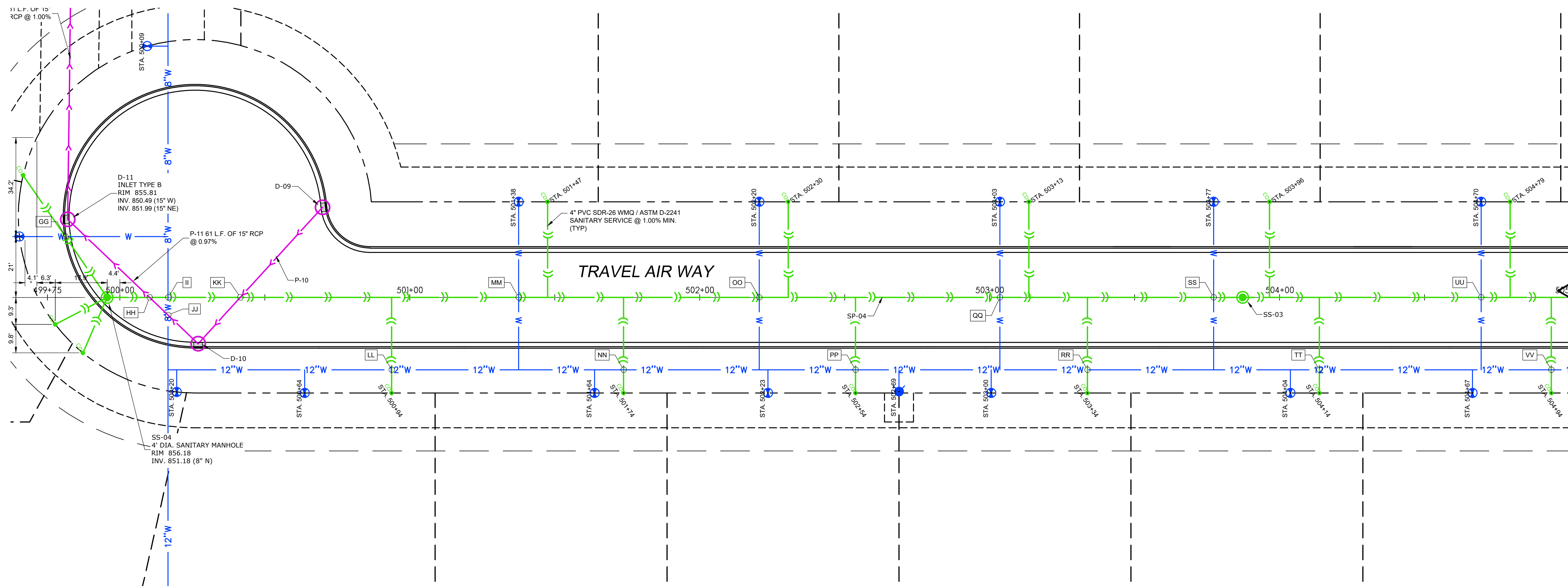
**TRAVEL AIR WAY
500+00 - 505+00**

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

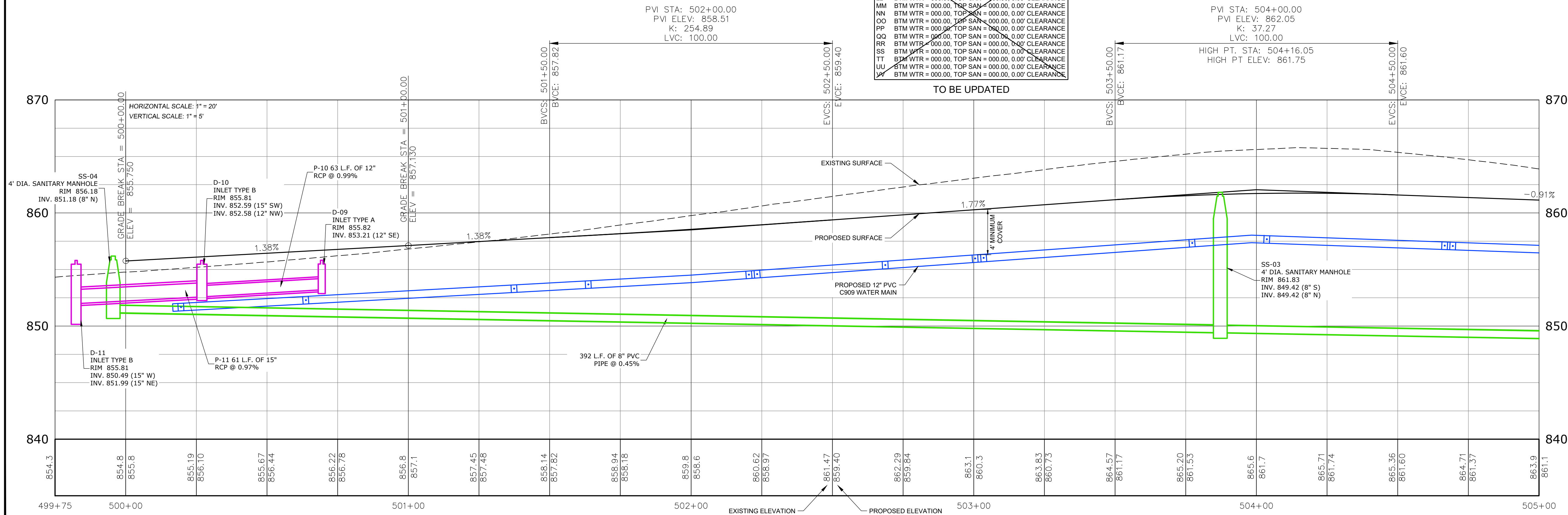
C-20

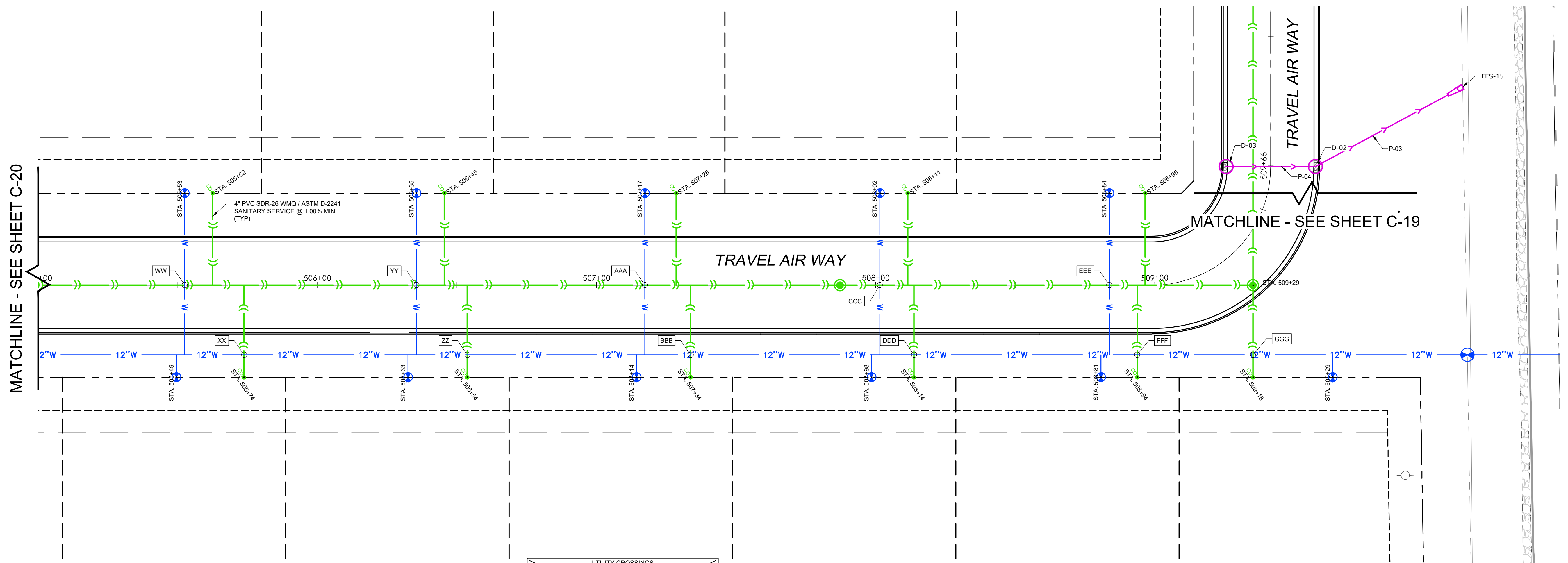


MATCHLINE - SEE SHEET C-21

UTILITY CROSSINGS	
GG	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
HH	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
II	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
JJ	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
KK	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
LL	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
MM	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
NN	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
OO	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
PP	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
QQ	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
RR	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
SS	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
TT	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
UU	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
VV	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE

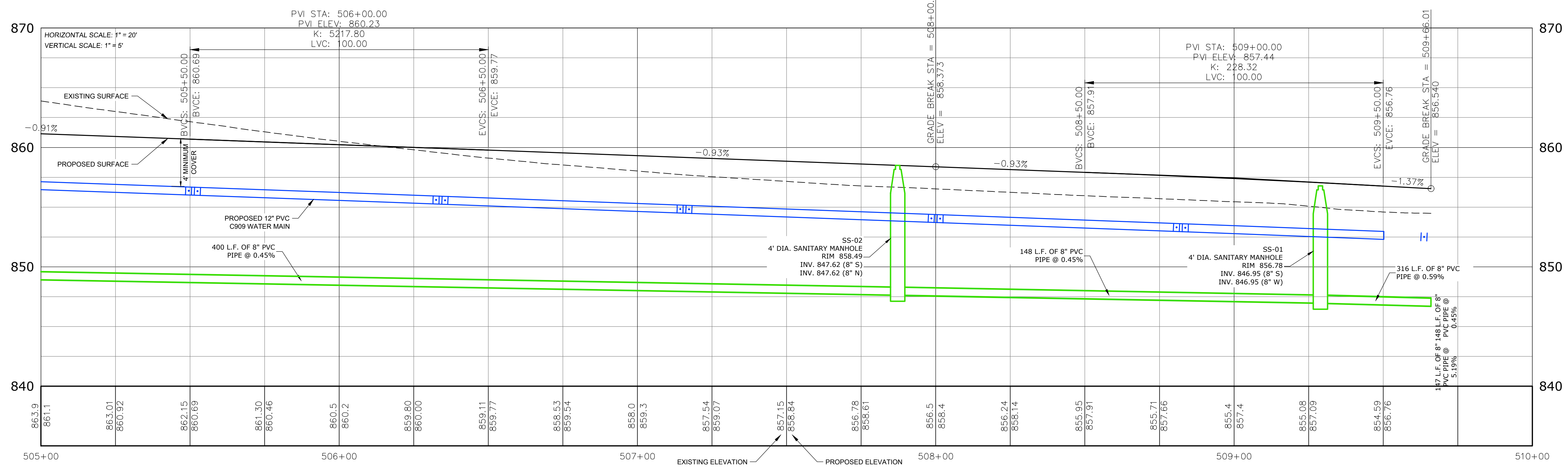
TO BE UPDATED





UTILITY CROSSINGS	
WW	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
XX	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
YY	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
ZZ	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
AAA	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
BBB	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
CCC	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
DDD	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
EEE	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
FFF	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE
GGG	BTM WTR = 000.00, TOP SAN = 000.00, 0.00' CLEARANCE

TO BE UPDATED



ARC DESIGN
RESOURCES INC.

5281 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. AGENCY REVIEW		06-27-2025
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---
REVISIONS		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

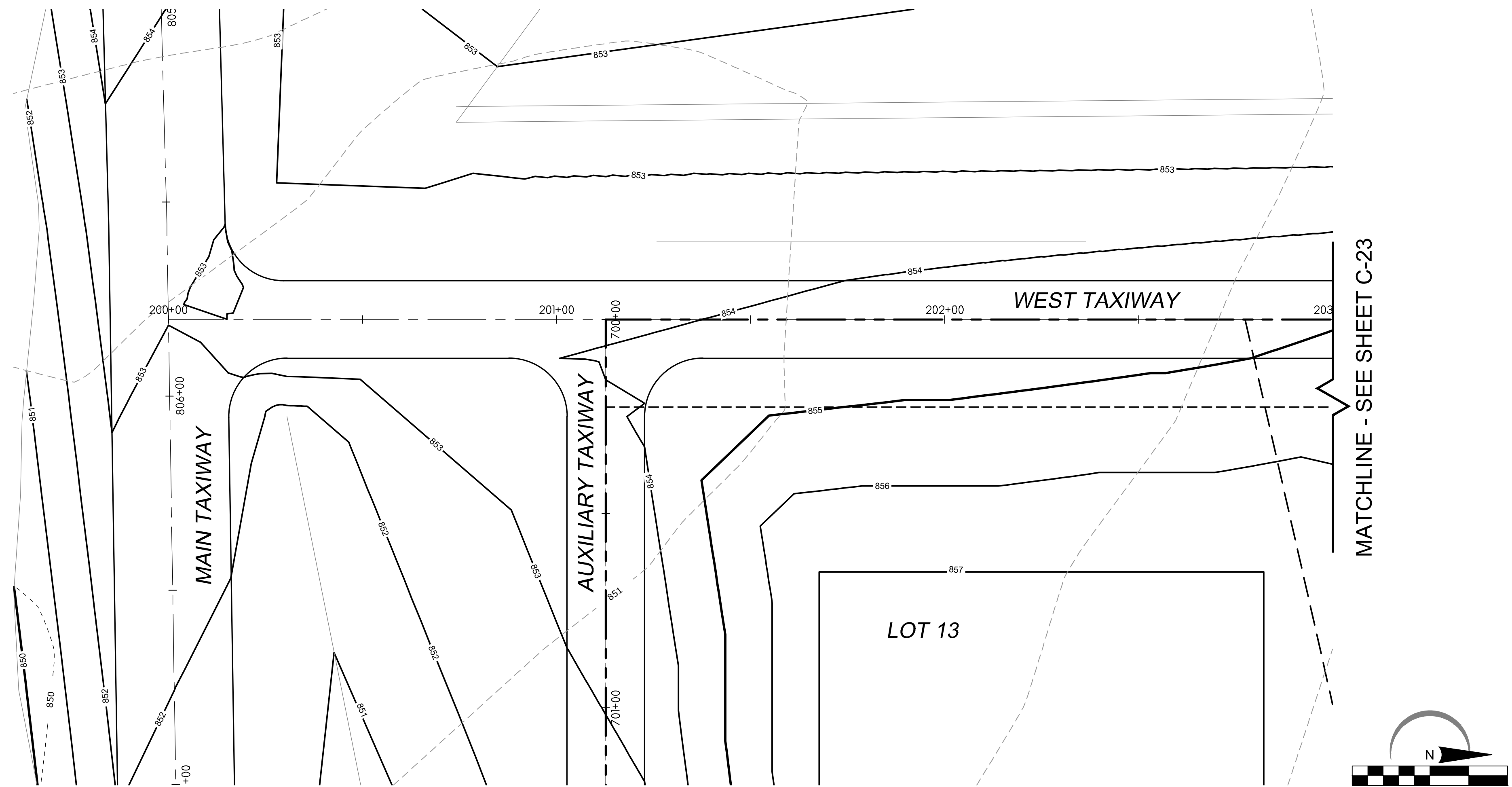
SHEET TITLE

TRAVEL AIR WAY
505+00 - 509+95.05

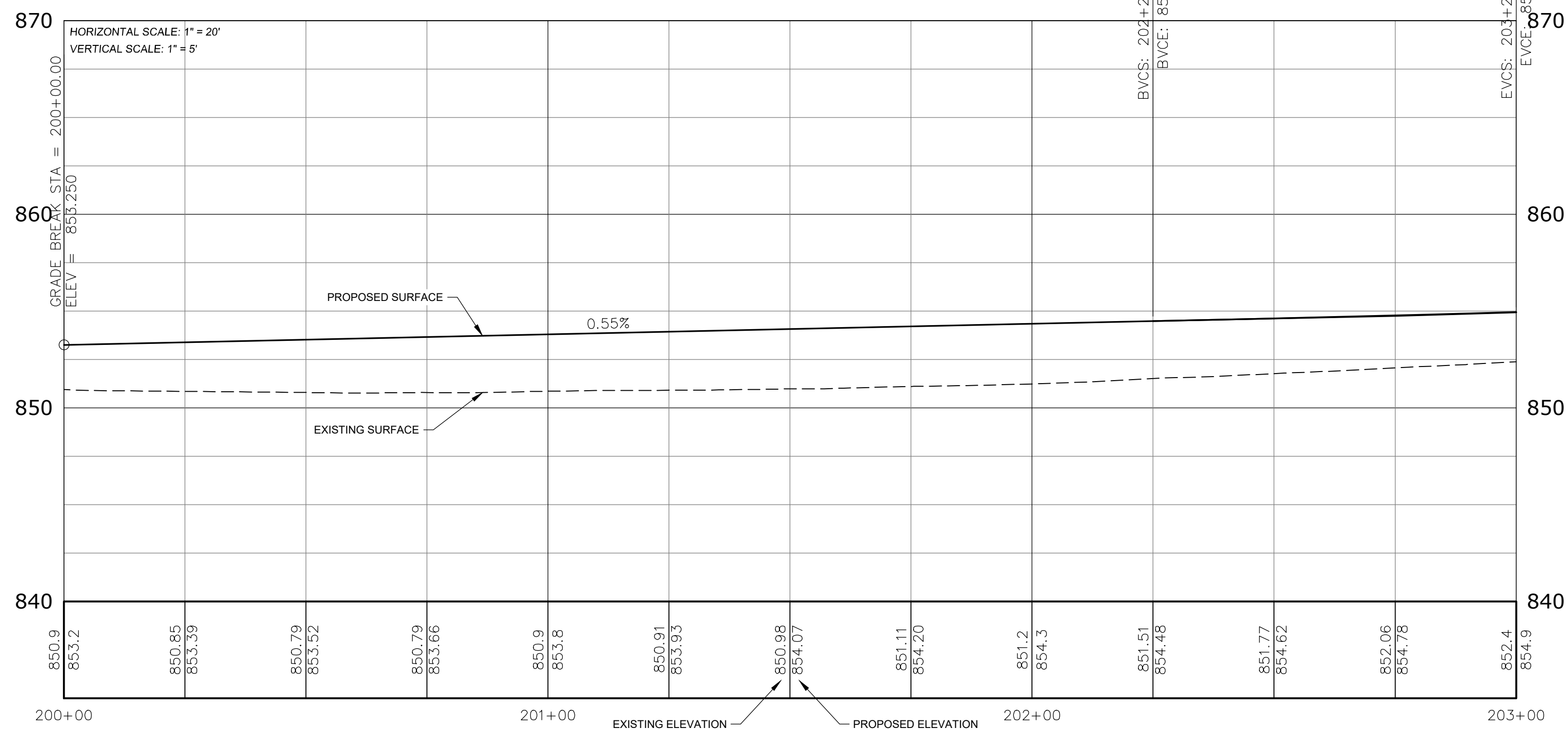
DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033
C-21



PVI STA: 202+75.00
PVI ELEV: 854.75
K: 488.89
LVC: 100.00



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1. AGENCY REVIEW	DATE
2. --	03-17-2025
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

**WEST TAXIWAY
200+00 - 203+00**

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-22



POPLAR GROVE AIRPORT EXPANSION

TEVE THOMAS
619 IL-76
OPLAR GROVE, IL 61065
(312) 544-2300

ISSUED FOR

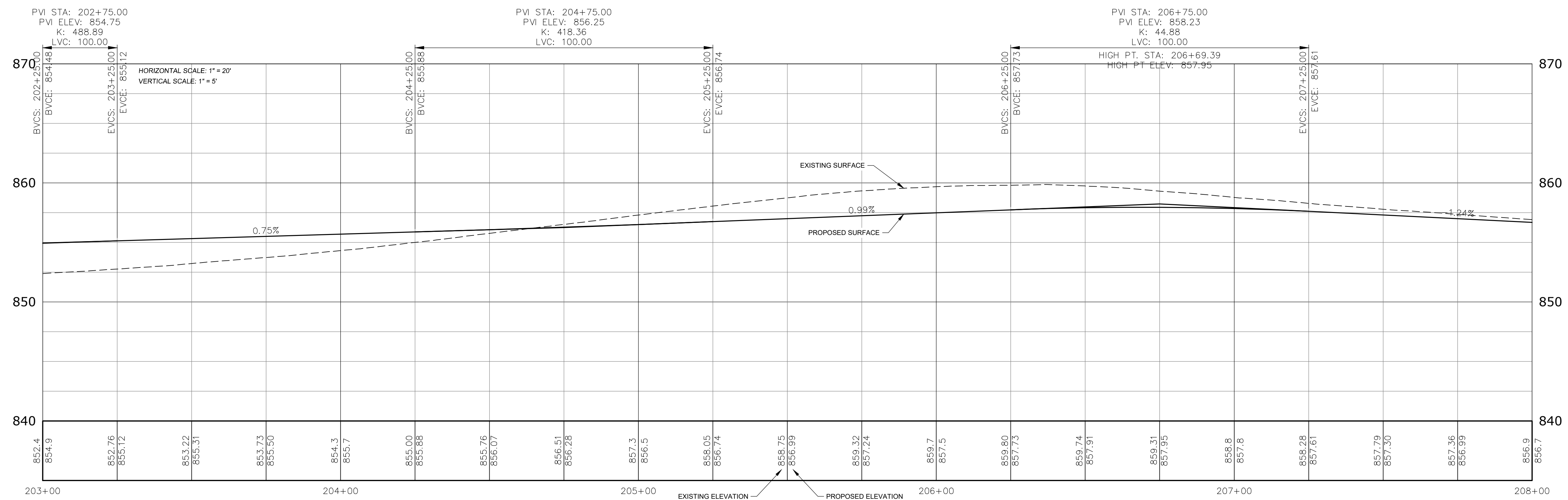
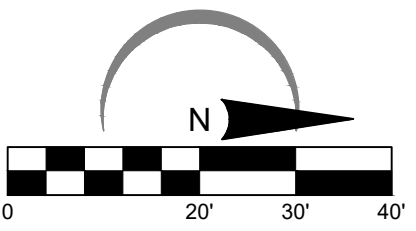
	DATE
AGENCY REVIEW	03-17-2025
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS	
ITEM	DATE
1. 1000-000	1000-000
2. 1000-000	1000-000
3. 1000-000	1000-000
4. 1000-000	1000-000
5. 1000-000	1000-000
6. 1000-000	1000-000
7. 1000-000	1000-000
8. 1000-000	1000-000
9. 1000-000	1000-000
10. 1000-000	1000-000

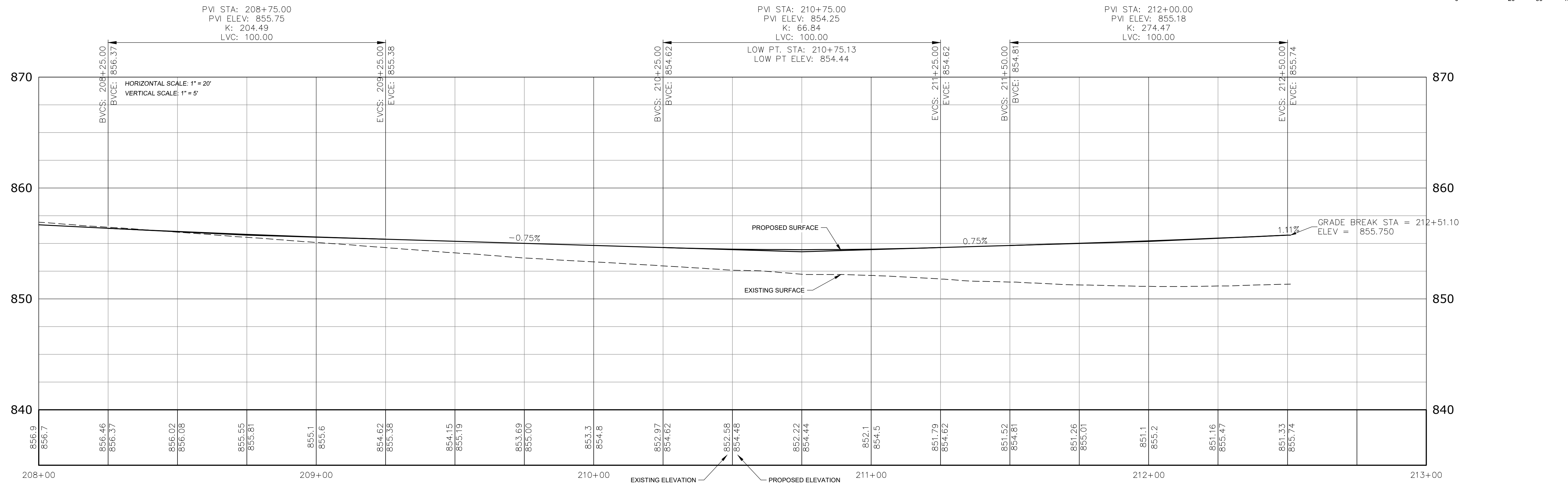
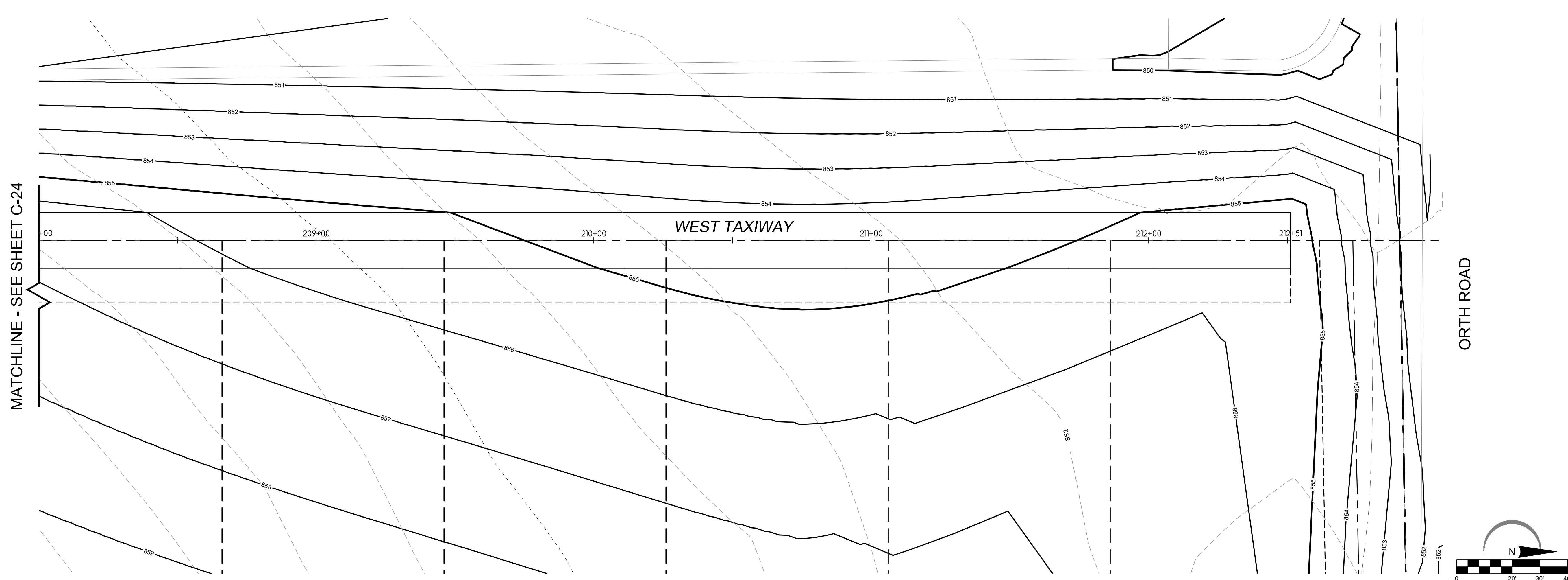
WEST TAXIWAY
03+00 - 208+00

DRAWN	TRS
CHECKED	LND
PM	RCS

C-23



MATCHLINE - SEE SHEET C-24



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

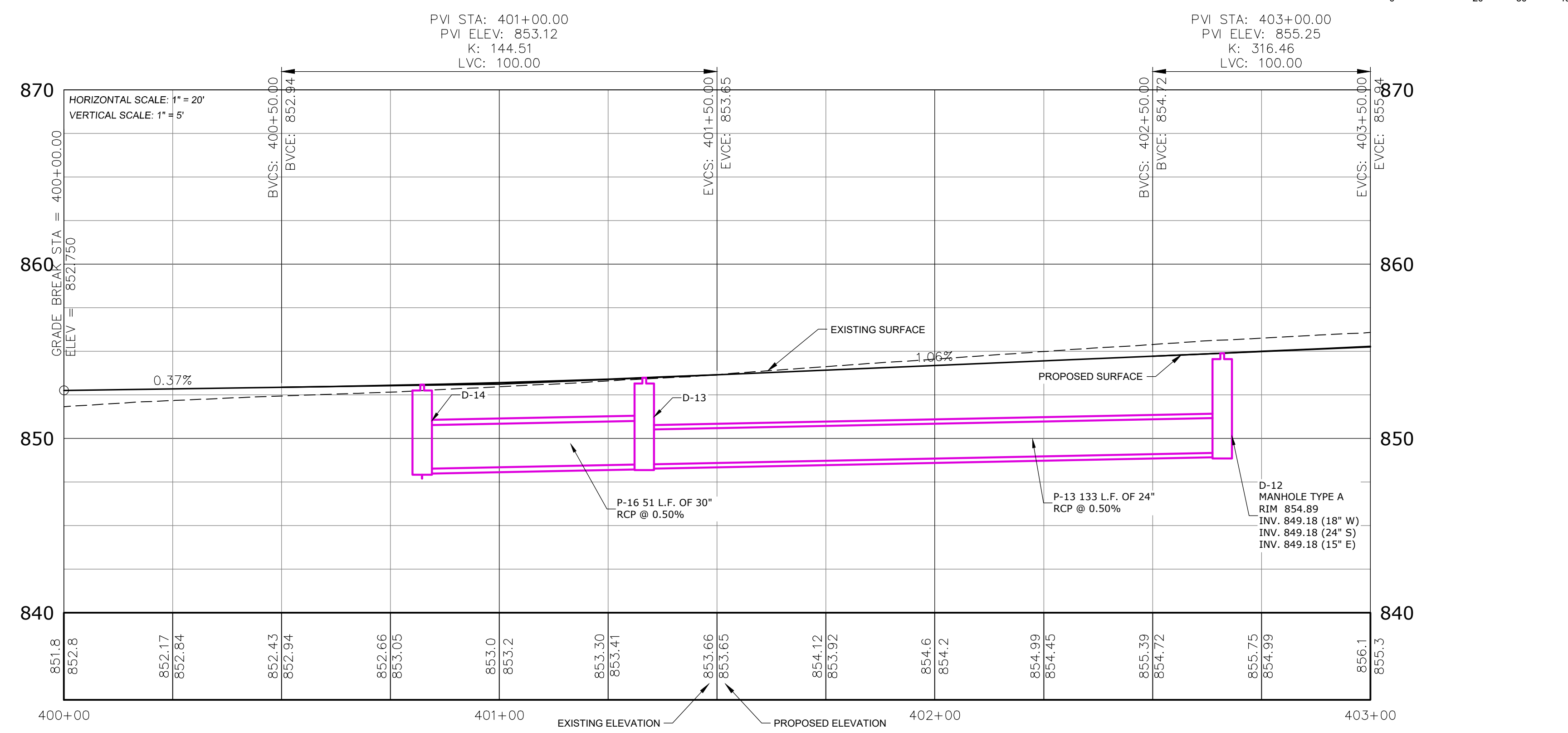
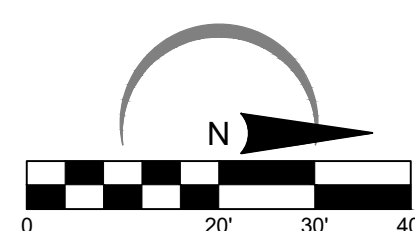
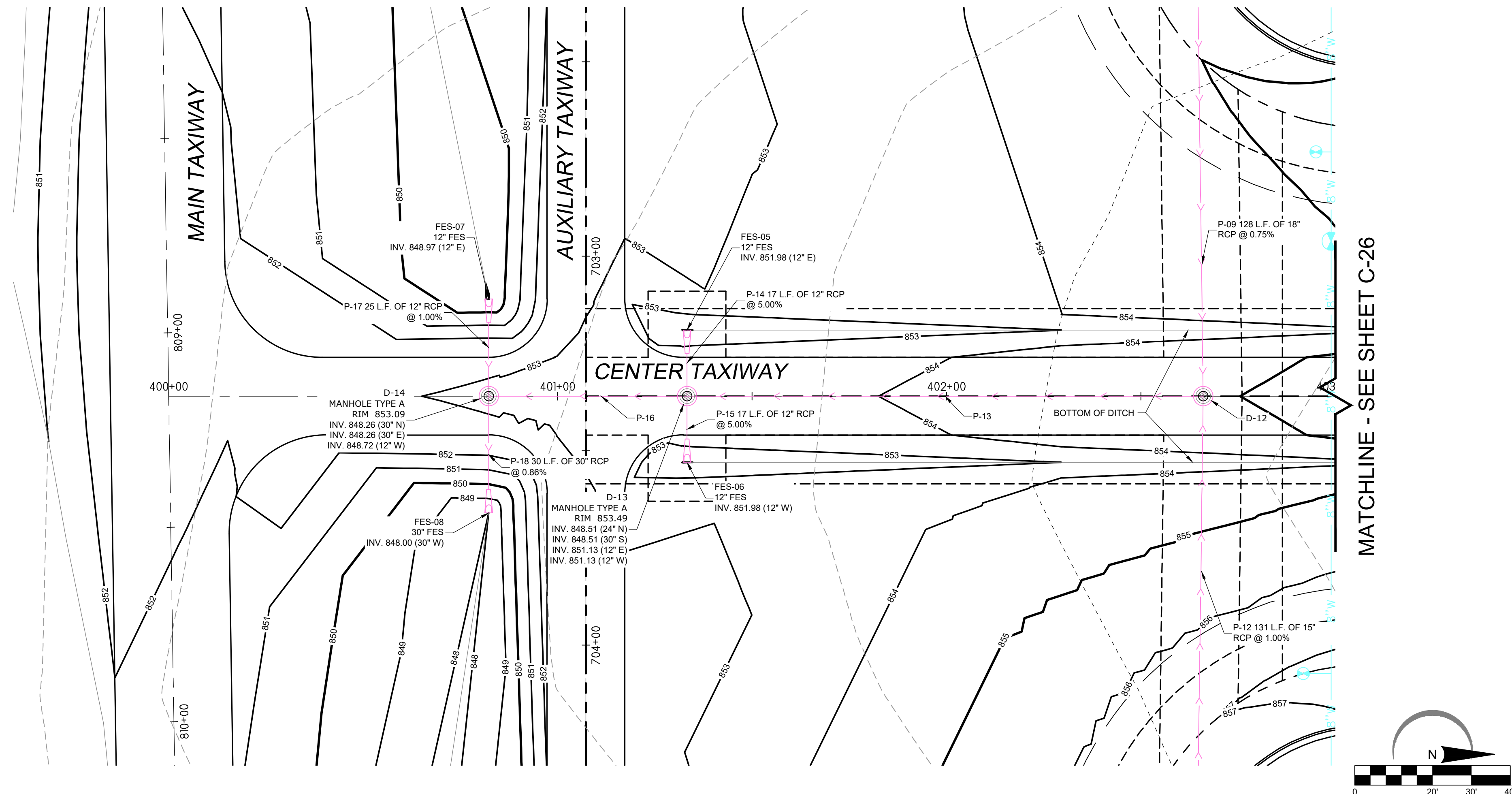
SHEET TITLE

WEST TAXIWAY
208+00 - 212+76

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033
C-24



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--
7. --		--
8. --		--
9. --		--
10. --		--
11. --		--
12. --		--
REVISIONS		DATE
1. --		--
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--

SHEET TITLE

**CENTER TAXIWAY
400+00 - 403+00**

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

**24033
C-25**

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1. AGENCY REVIEW	DATE
2. --	03-17-2025
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

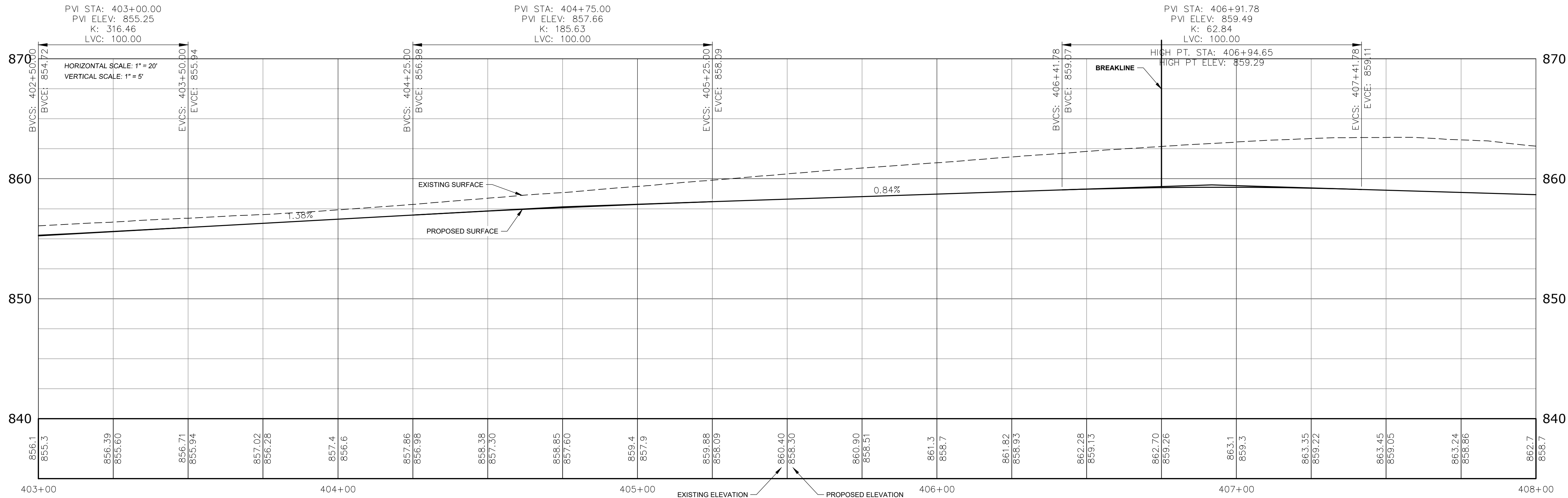
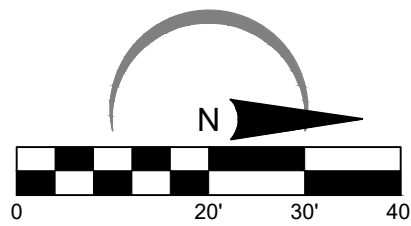
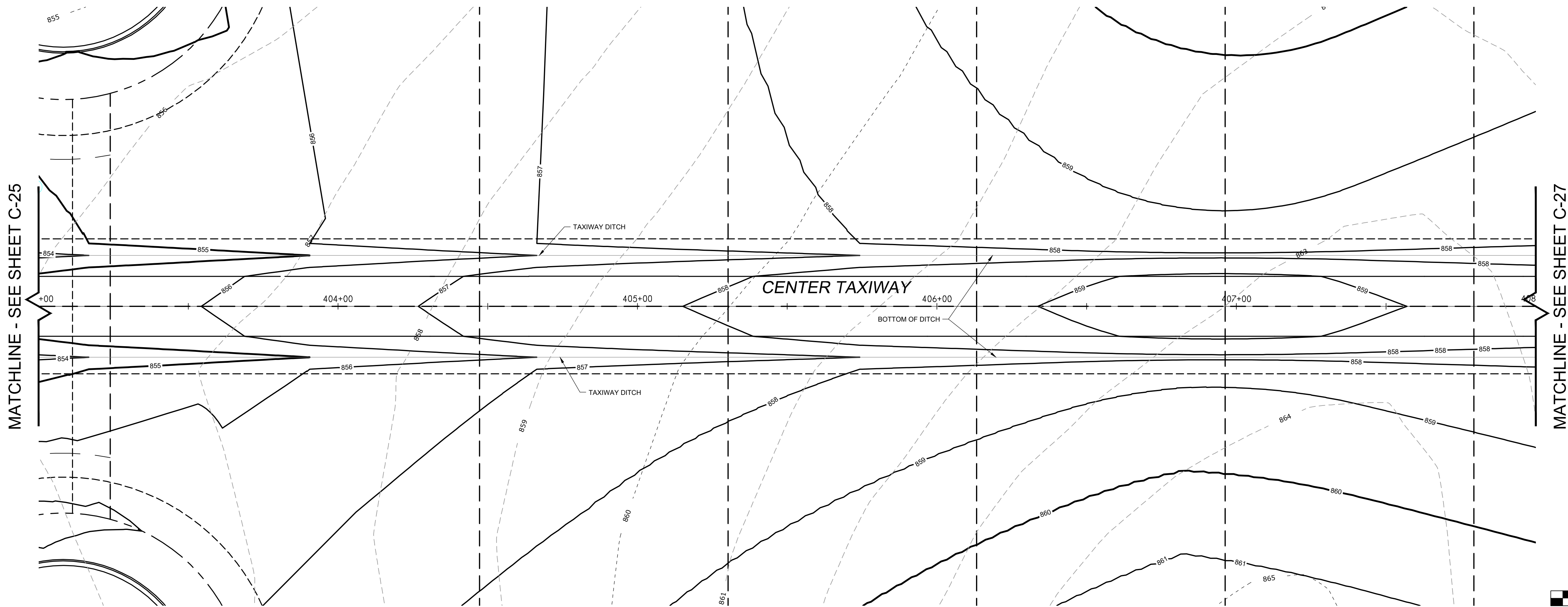
CENTER TAXIWAY
403+00 - 408+00

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-26



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1. AGENCY REVIEW	DATE
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

CENTER TAXIWAY
408+00 - 411+76

DRAWN

TRS

CHECKED

LND

PM

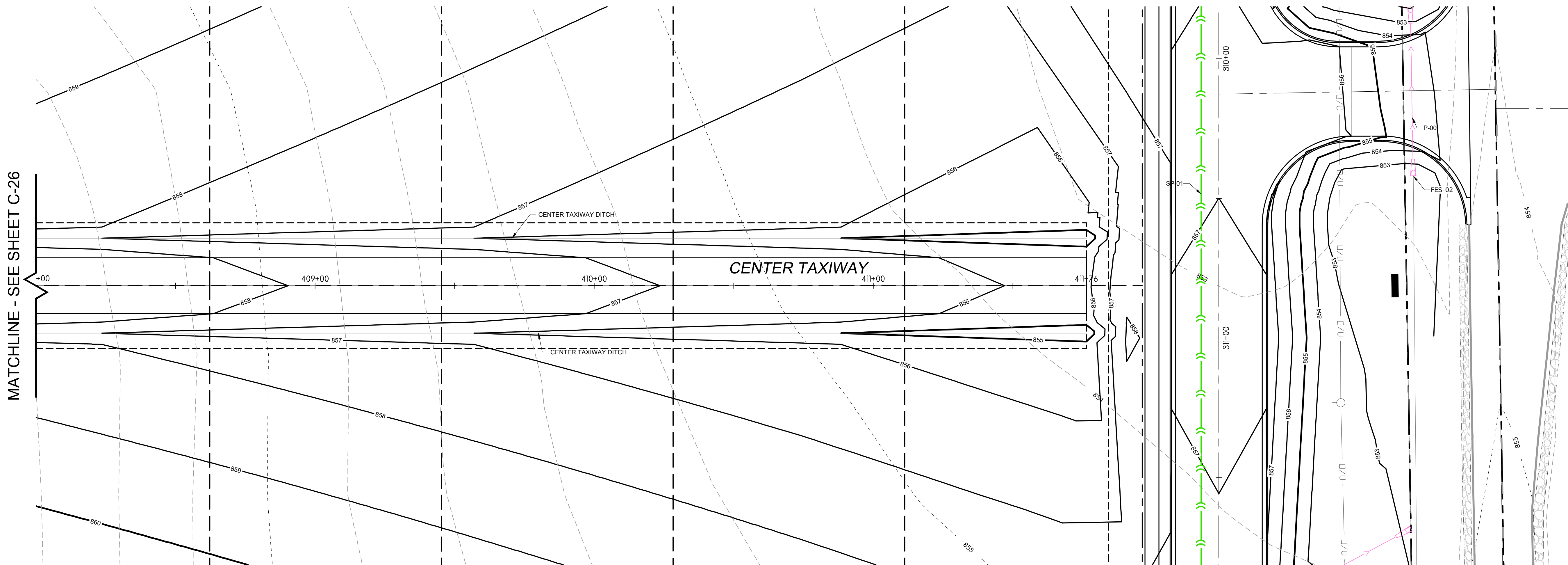
RCS

PROJECT NUMBER

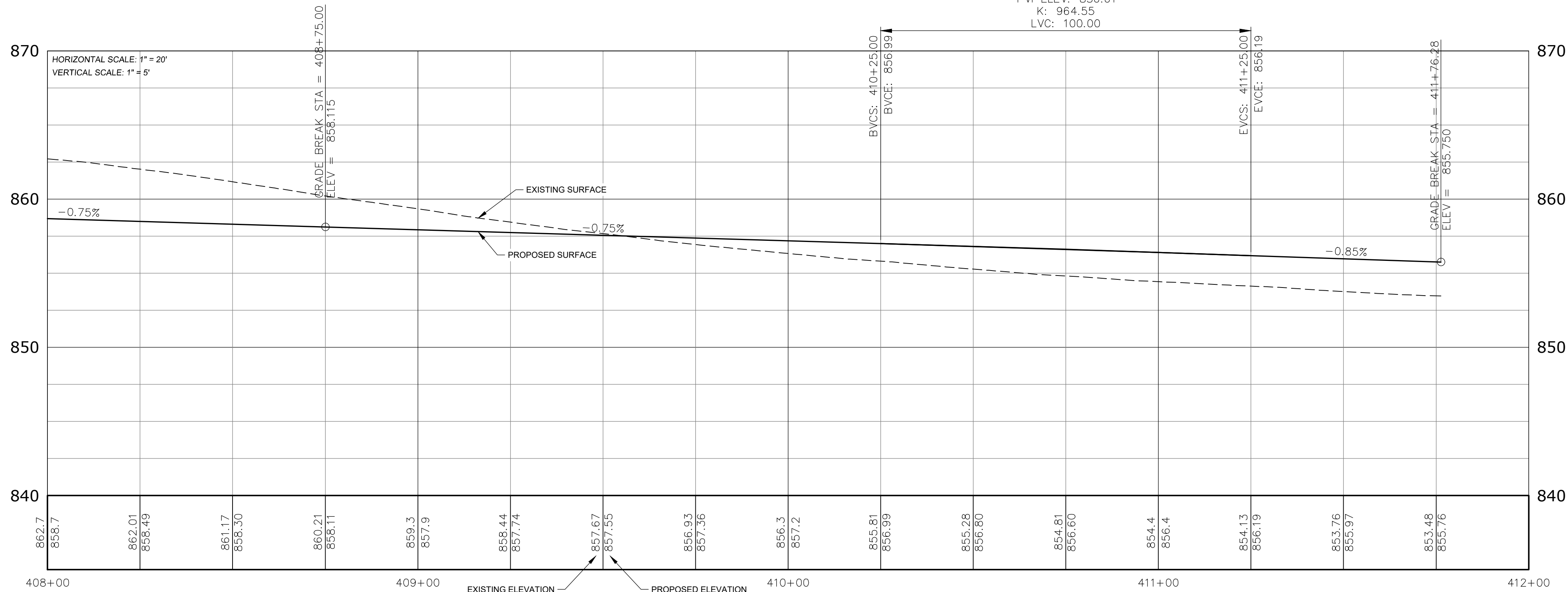
SHEET NUMBER

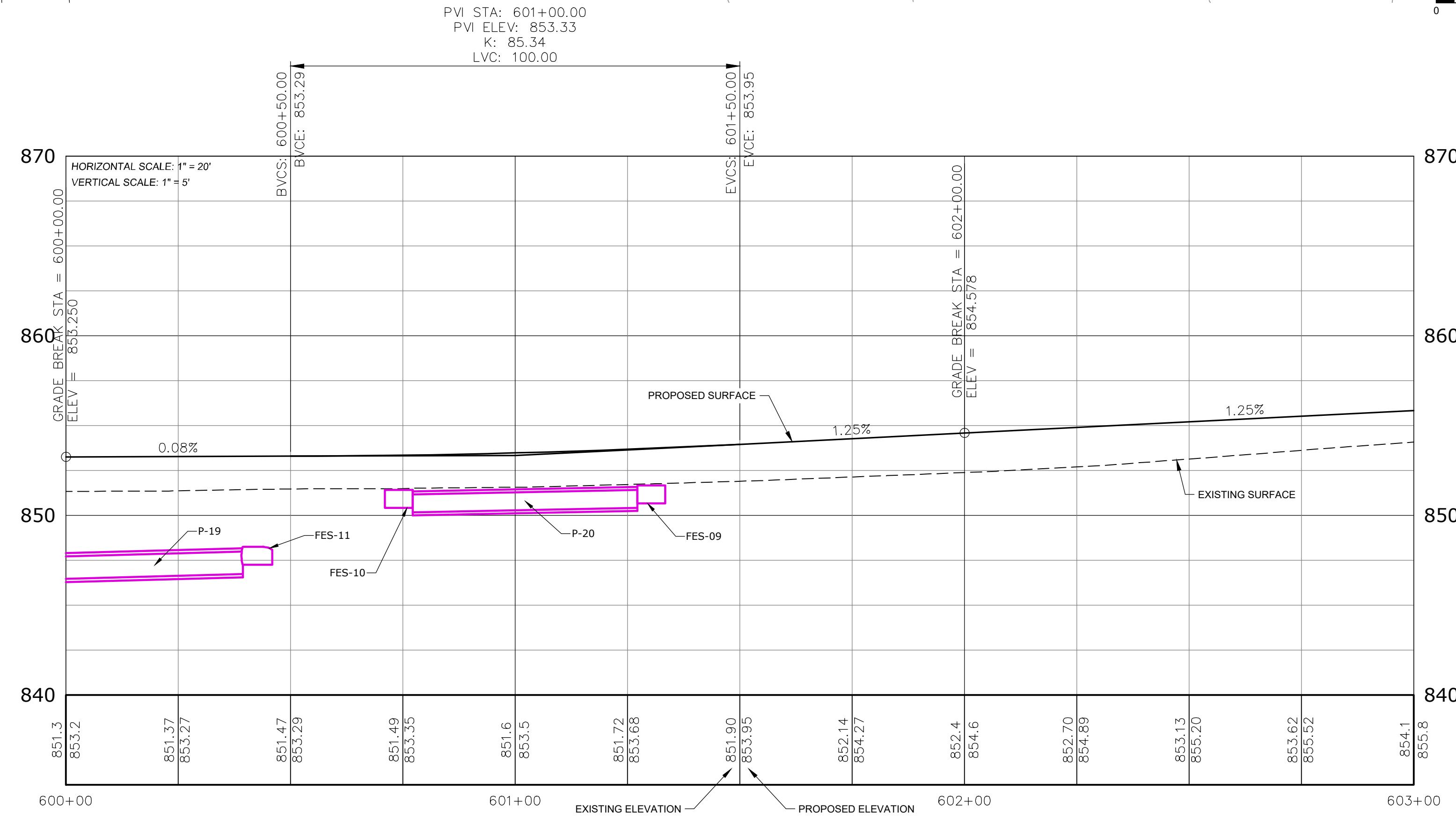
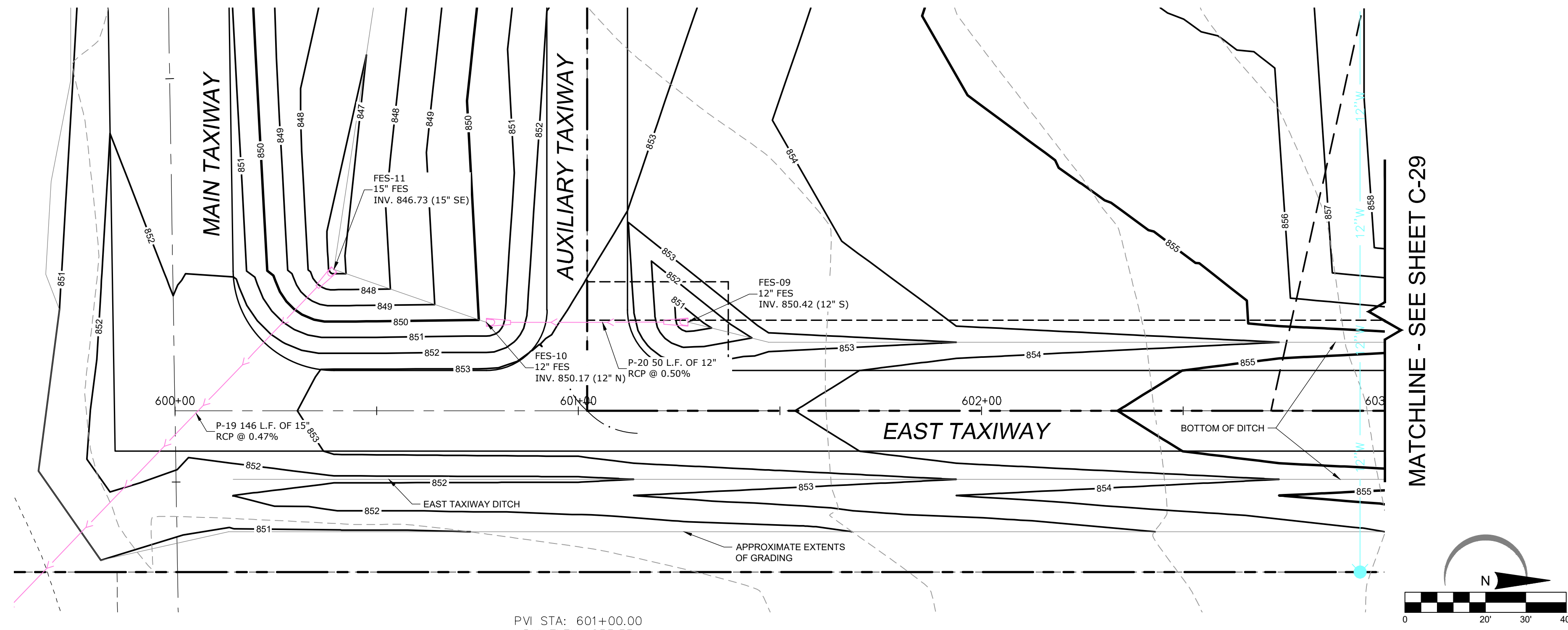
24033

C-27



PVI STA: 410+75.00
PVI ELEV: 856.61
K: 964.55
LVC: 100.00





ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

EAST TAXIWAY
600+00 - 603+00

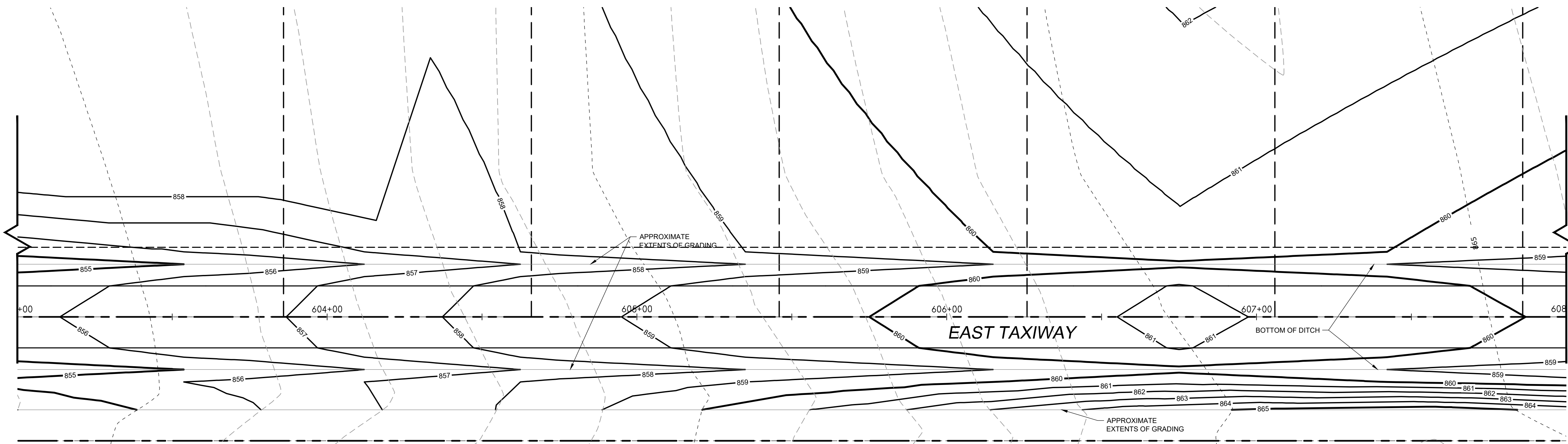
DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033
C-28

MATCHLINE - SEE SHEET C-28

MATCHLINE - SEE SHEET C-30

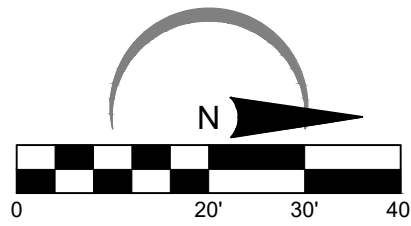


PVI STA: 603+75.00
PVI ELEV: 856.77
K: 136.18
LVC: 100.00

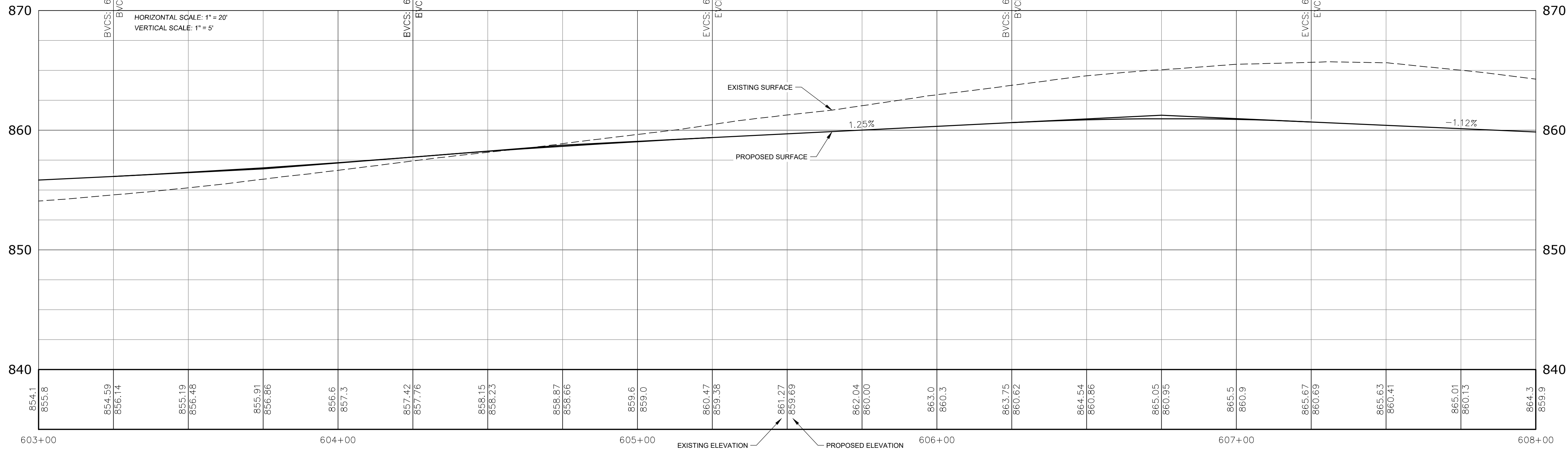
PVI STA: 604+75.00
PVI ELEV: 858.75
K: 136.18
LVC: 100.00

PVI STA: 606+75.00
PVI ELEV: 861.25
K: 42.24
LVC: 100.00

HIGH PT. STA: 606+77.79
HIGH PT ELEV: 860.95



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'



EXISTING ELEVATION PROPOSED ELEVATION

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR	
1. AGENCY REVIEW	DATE
2. --	03-17-2025
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--
REVISIONS	
ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

**EAST TAXIWAY
603+00 - 608+00**

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

**24033
C-29**

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

SHEET TITLE

EAST TAXIWAY
608+00 - 612+51

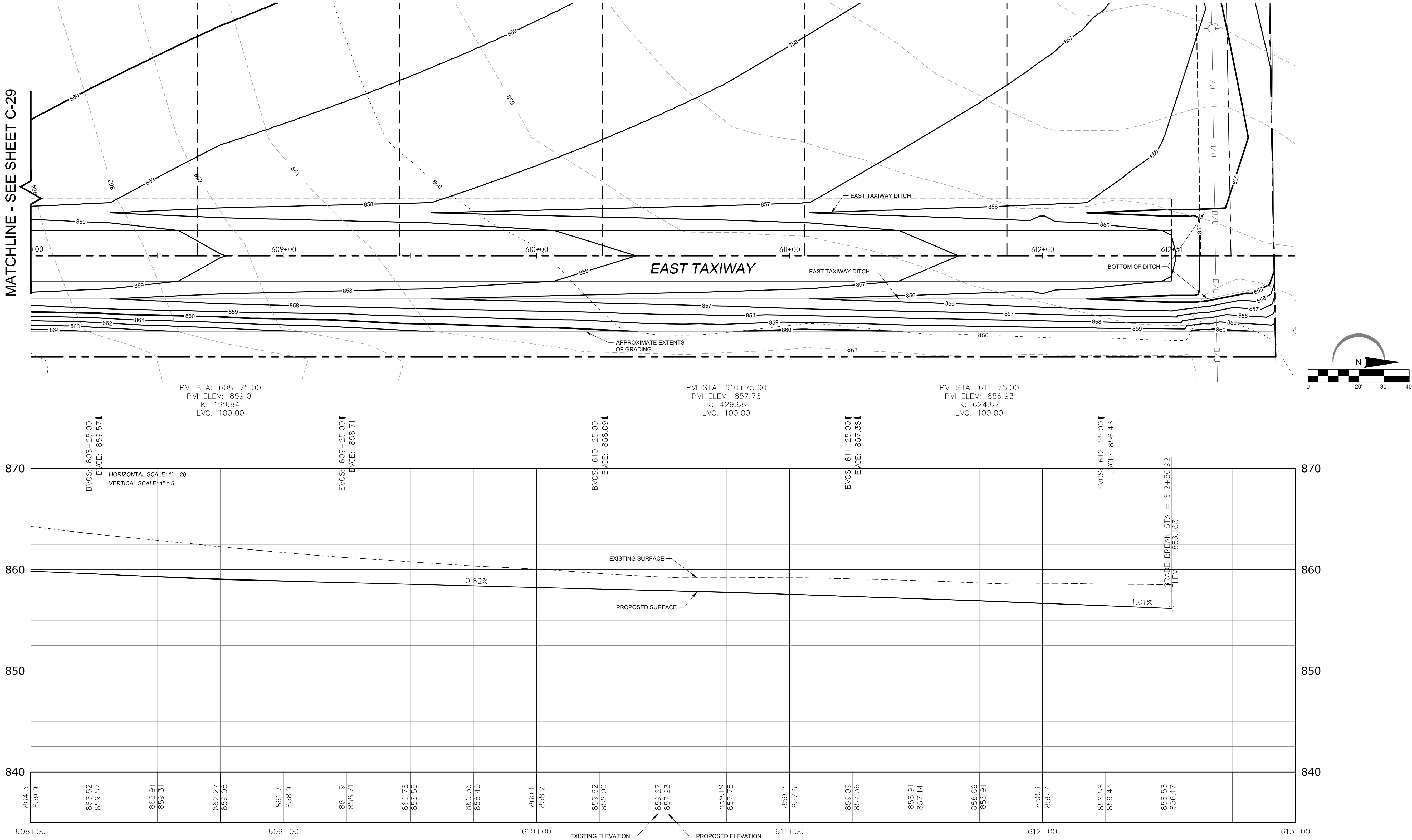
DRAWN TRS
CHECKED LND
PM RCS

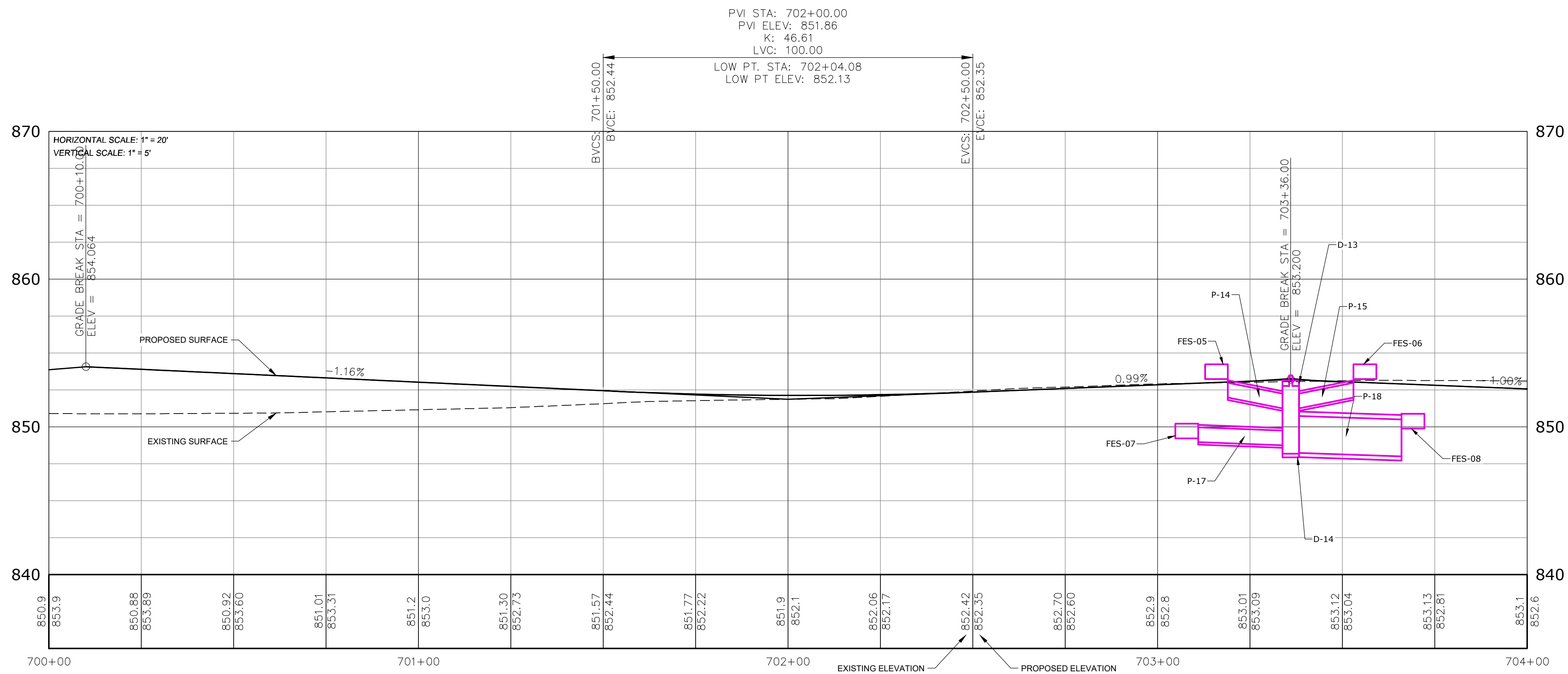
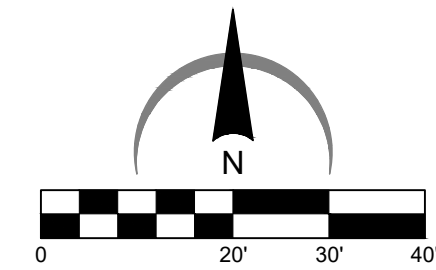
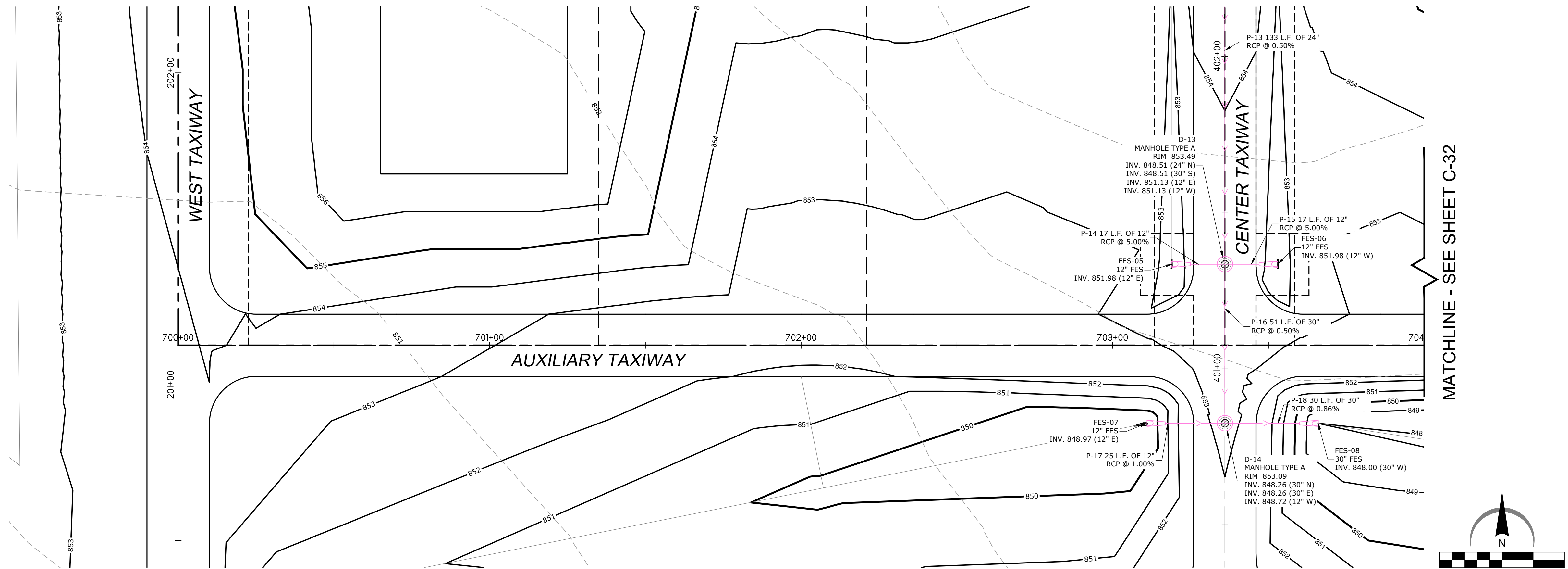
PROJECT NUMBER
SHEET NUMBER

24033

C-30

MATCHLINE - SEE SHEET C-29





ARC DESIGN
RESOURCES INC.

5281 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--
7. --		--
8. --		--
9. --		--
10. --		--
11. --		--
12. --		--
REVISIONS		DATE
1. --		--
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--

SHEET TITLE

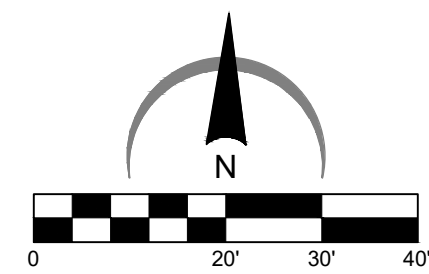
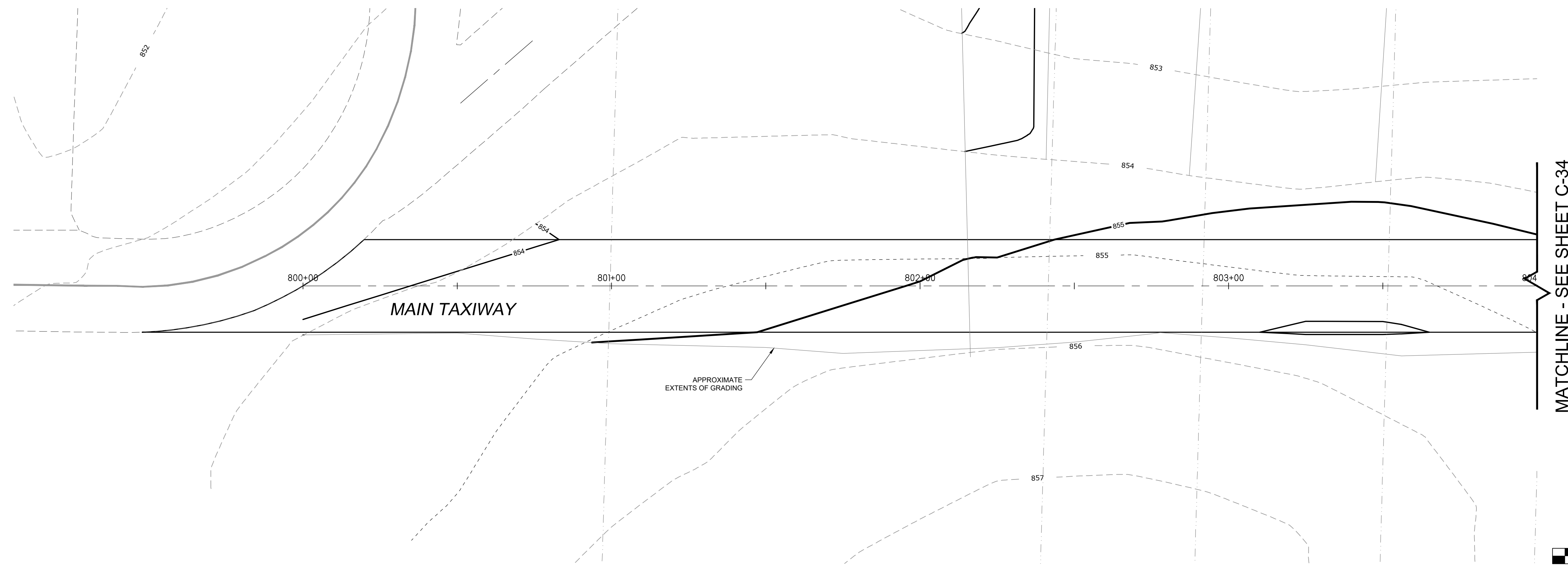
**AUXILIARY
TAXIWAY
700+00 - 704+00**

DRAWN TRS
CHECKED LND
PM RCS

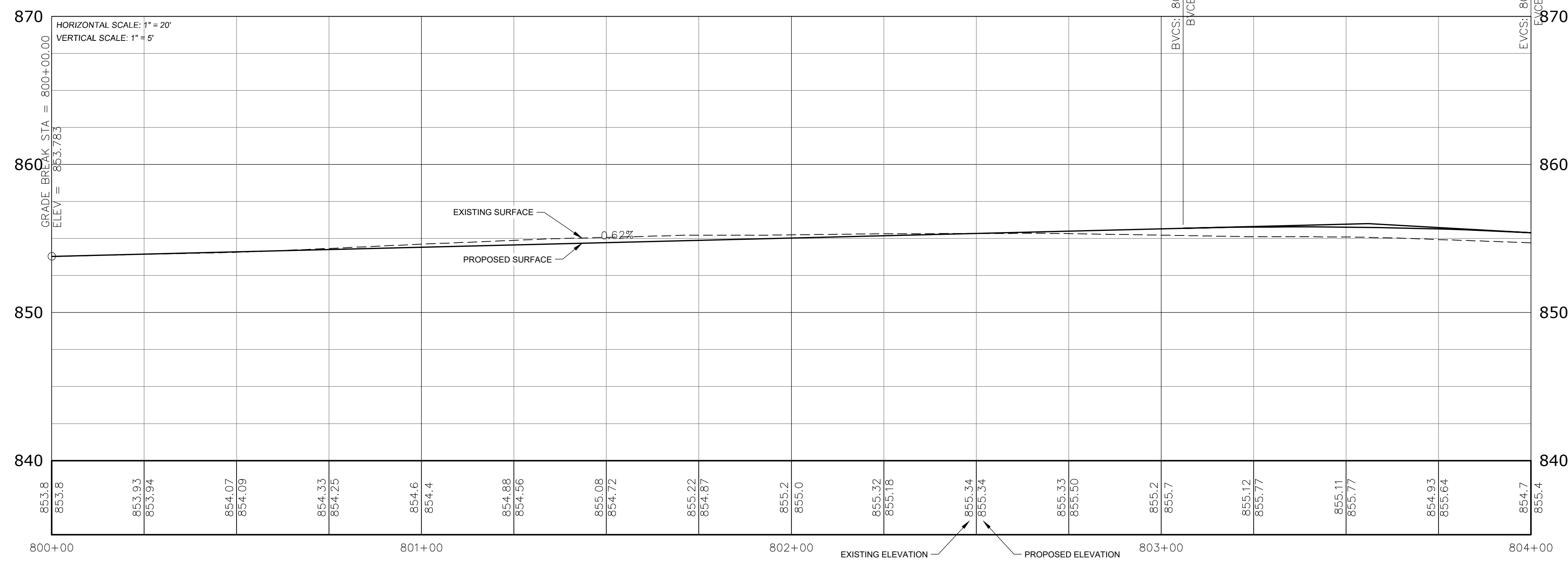
PROJECT NUMBER
SHEET NUMBER

**24033
C-31**

C-32



PVI STA: 803+55.97
PVI ELEV: 856.00
K: 50.19
LVC: 100.00
HIGH PT. STA: 803+37.24
HIGH PT ELEV: 855.79



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--
7. --		--
8. --		--
9. --		--
10. --		--
11. --		--
12. --		--
REVISIONS		DATE
1. --		--
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--

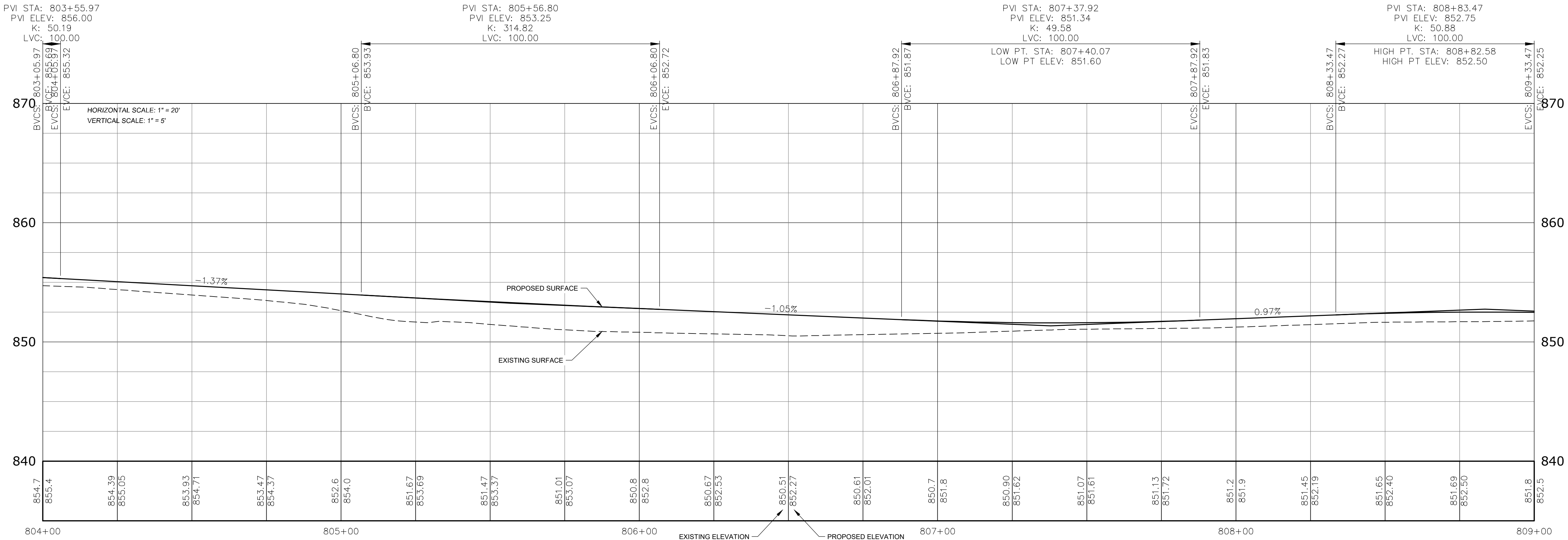
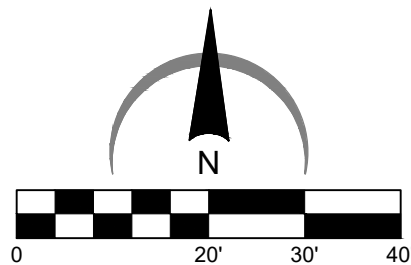
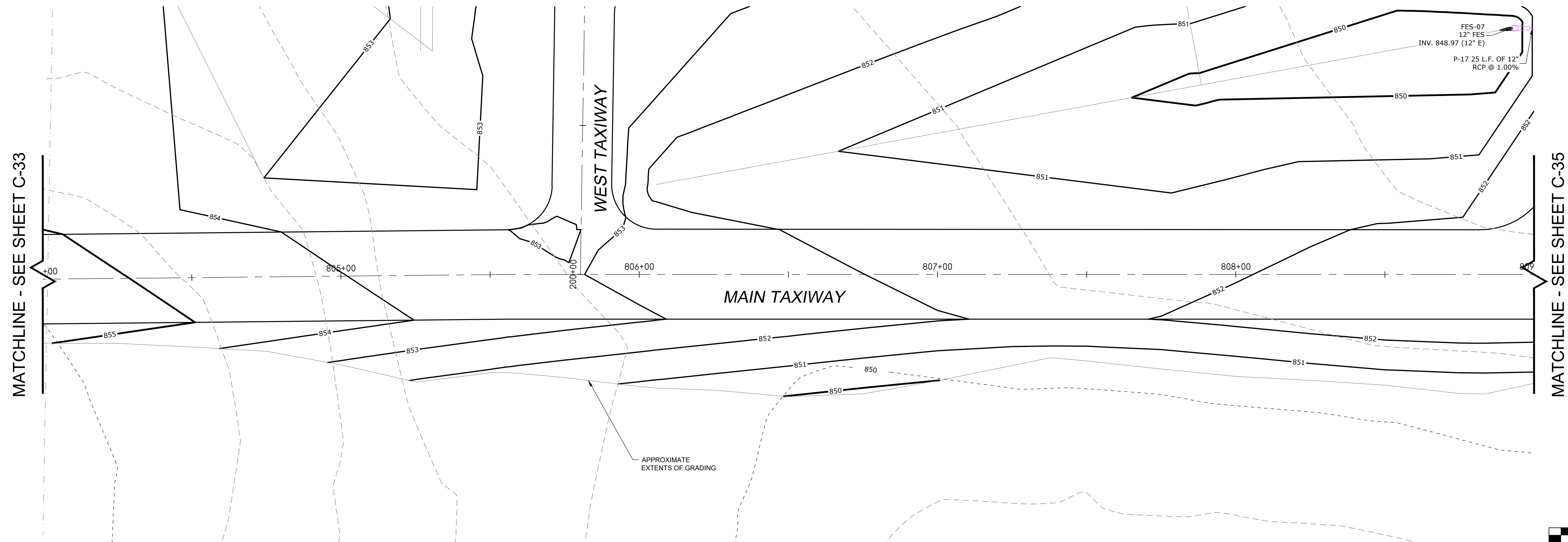
SHEET TITLE

**MAIN TAXIWAY
800+00 - 804+00**

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

**24033
C-33**



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1. AGENCY REVIEW	DATE
2. --	03-17-2025
3. --	--
4. --	--
5. --	--
6. --	--
7. --	--
8. --	--
9. --	--
10. --	--
11. --	--
12. --	--

REVISIONS

ITEM	DATE
1. --	--
2. --	--
3. --	--
4. --	--
5. --	--
6. --	--

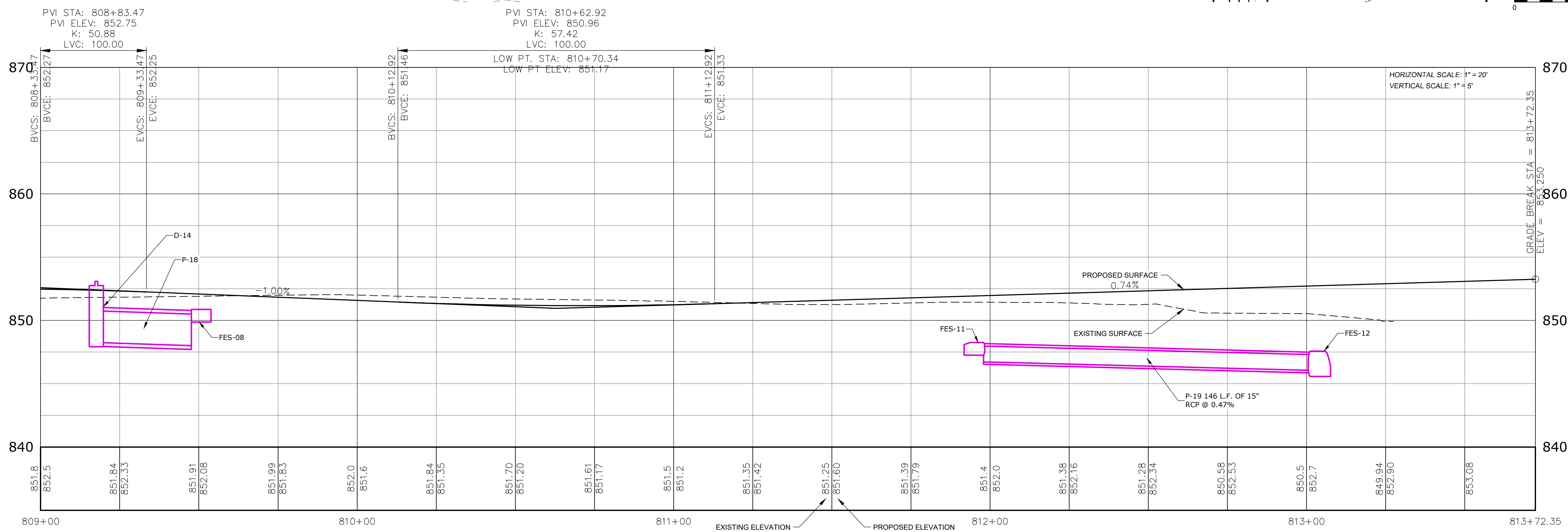
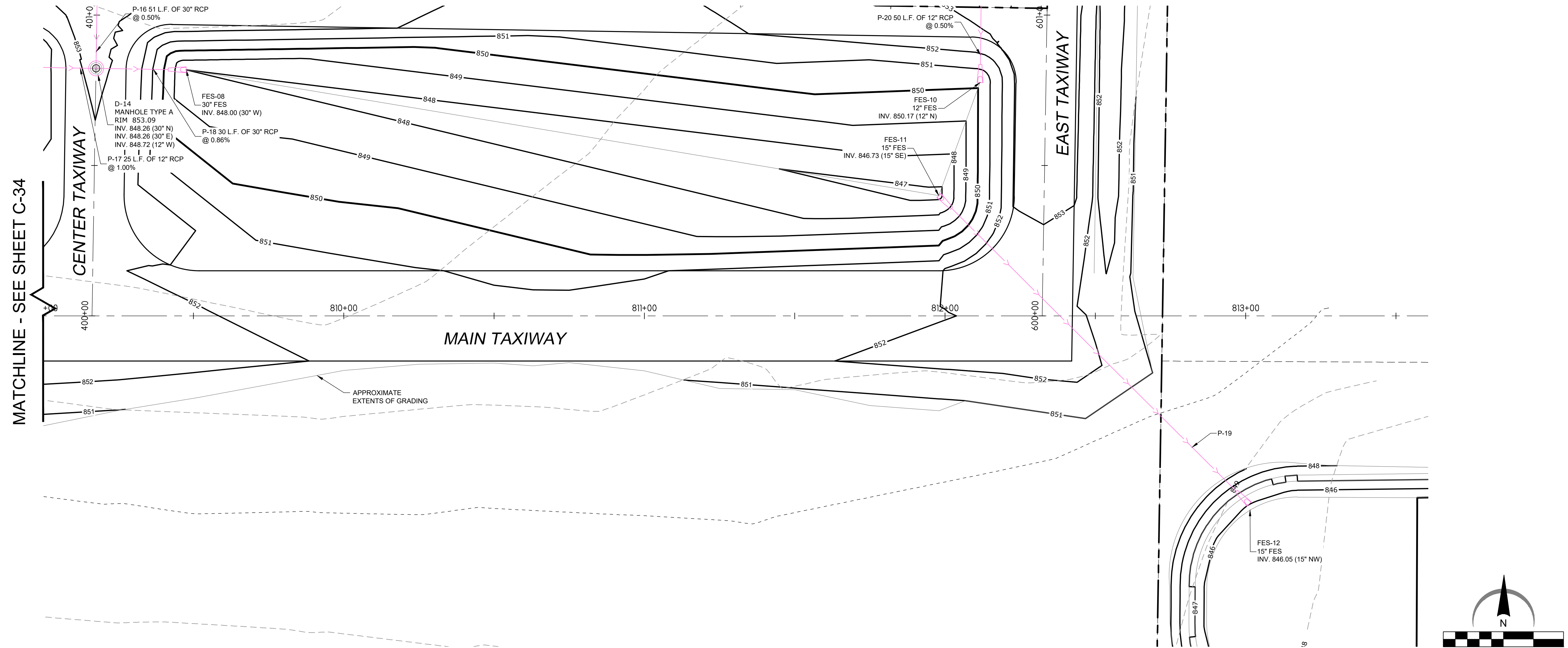
SHEET TITLE

**MAIN TAXIWAY
804+00 - 809+00**

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

**24033
C-34**



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--
7. --		--
8. --		--
9. --		--
10. --		--
11. --		--
12. --		--
REVISIONS		DATE
1. --		--
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--

SHEET TITLE

MAIN TAXIWAY
809+00 -
812+72.35

DRAWN TRS

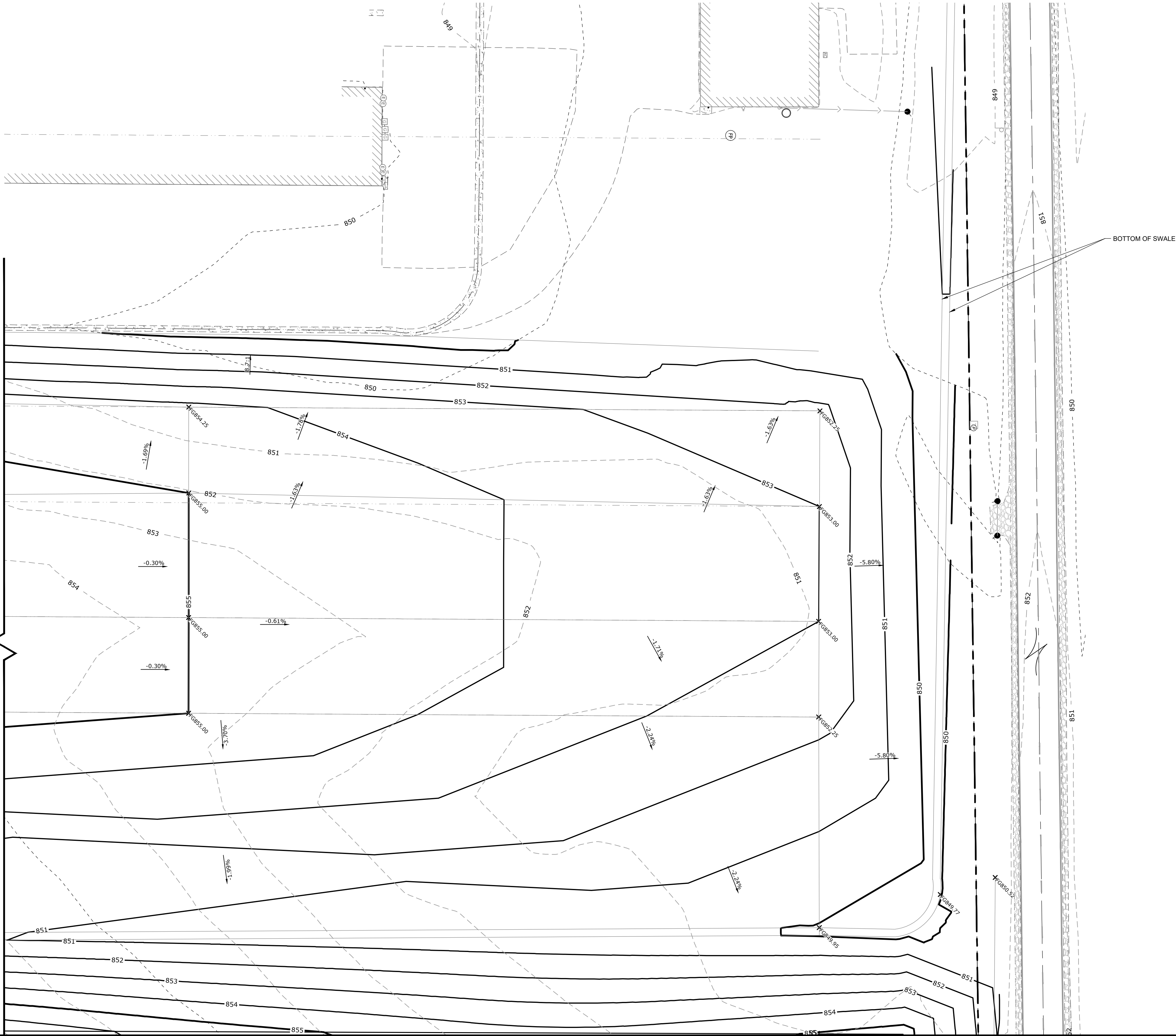
CHECKED LND

PM RCS

PROJECT NUMBER
SHEET NUMBER

24033
C-35

MATCHLINE - SEE SHEET C-37



LEGEND

- PROPERTY LINE
- LOT LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING STORM SEWER
- PROPOSED GRADE BREAK LINE
- PROPOSED CONTOUR LINE
- EXISTING CONTOUR LINE
- TOP OF PAVEMENT ELEVATION
- FINISHED GRADE ELEVATION
- DIRECTION OF SHEET FLOW
- BENCHMARK

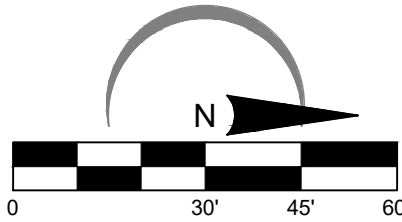
GRADING NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL OR VERTICAL CONTROL BY REFERENCING SHOWN COORDINATES OR ELEVATIONS TO HORIZONTAL OR VERTICAL CONTROL POINTS PRIOR TO PROCEEDING WITH WORK.
- ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND SODDED (OR SEEDED WHERE NOTED) AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- ALL STORM SEWER PIPE IS TO BE REINFORCED CONCRETE CULVERT PIPE CLASS IV UNLESS OTHERWISE NOTED. WHERE HDPE OR PVC PIPE IS LISTED AS ACCEPTABLE MATERIALS, PVC SDR 35, HDPE DOUBLE WALL (ADS N-12), OR PVC SCHEDULE 40 MAY BE USED AT THE CONTRACTOR'S DISCRETION.
- THE MAXIMUM SLOPE RATIO ON CUT/FILL SLOPES IS 3.5 HORIZONTAL TO 1 VERTICAL.
- PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL SET ALL CLEANOUT, MANHOLE AND INLET CASTINGS, FIRE HYDRANTS AND VALVE BOXES TO FINISHED GRADE.
- ALL PROPOSED PAVED AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO WITHIN 0.10 FEET OF DESIGN SUBGRADE.
- THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT THE CONCLUSION OF EACH WORKING DAY.
- ROOF AND CANOPY DRAIN SHALL INCORPORATE BOOT PER DETAIL. 6" PVC PIPE SHALL EXTEND TO A MAIN AS SHOWN ON THE PLAN. POSITIVE DRAINAGE SHALL BE MAINTAINED TOWARD MAIN AT 1.0% MINIMUM SLOPE. 6" PVC CONNECTION TO BE MADE WITH INSERT-A-TEE OR ENGINEER APPROVED EQUIVALENT BETWEEN DISSIMILAR MATERIALS.

BENCHMARK

DESCRIPTION	ELEVATION (USGS)
BENCHMARK 1 RAILROAD SPIKE IN POLE	851.48
BENCHMARK 2 RAILROAD SPIKE SOUTH SIDE OF POWER POLE	849.39
BENCHMARK 3 CUT SQUARE ON BRIDGE	846.09

SEE SHEET C-16 FOR BENCHMARK LOCATIONS



ARC DESIGN
RESOURCES INC.

5281 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE AIRPORT EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. AGENCY REVIEW	06-27-2025
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

RUNWAY GRADING PLAN NORTH

DRAWN

TRS

CHECKED

LND

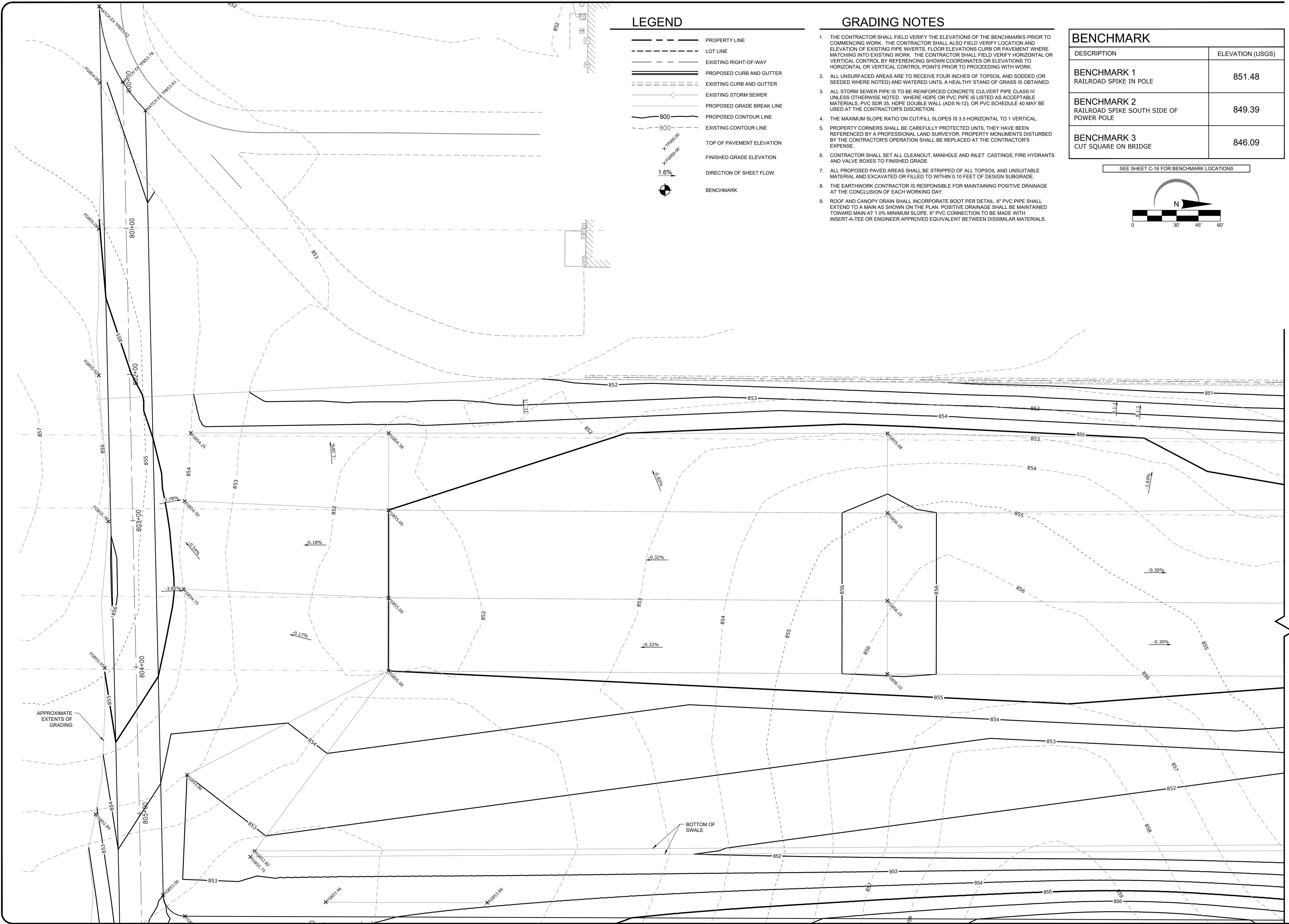
PM

RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-36



LEGEND

- PROPERTY LINE
- LOT LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING STORM SEWER
- PROPOSED GRADE BREAK LINE
- PROPOSED CONTOUR LINE
- EXISTING CONTOUR LINE
- TOP OF PAVEMENT ELEVATION
- FINISHED GRADE ELEVATION
- DIRECTION OF SHEET FLOW
- BENCHMARK

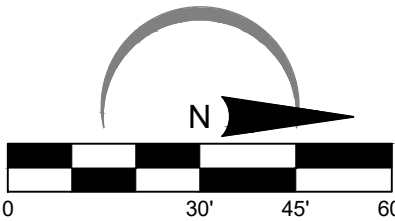
GRADING NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL OR VERTICAL CONTROL BY REFERENCING SHOWN COORDINATES OR ELEVATIONS TO HORIZONTAL OR VERTICAL CONTROL POINTS PRIOR TO PROCEEDING WITH WORK.
- ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND SOODED (OR SEEDED WHERE NOTED) AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- ALL STORM SEWER PIPE IS TO BE REINFORCED CONCRETE CULVERT PIPE CLASS IV UNLESS OTHERWISE NOTED. WHERE HDPE OR PVC PIPE IS LISTED AS ACCEPTABLE MATERIALS, PVC SDR 35, HDPE DOUBLE WALL (ADS N-12), OR PVC SCHEDULE 40 MAY BE USED AT THE CONTRACTOR'S DISCRETION.
- THE MAXIMUM SLOPE RATIO ON CUT/FILL SLOPES IS 3.5 HORIZONTAL TO 1 VERTICAL.
- PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL SET ALL CLEANOUT, MANHOLE AND INLET CASTINGS, FIRE HYDRANTS AND VALVE BOXES TO FINISHED GRADE.
- ALL PROPOSED PAVED AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO WITHIN 0.10 FEET OF DESIGN SUBGRADE.
- THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT THE CONCLUSION OF EACH WORKING DAY.
- ROOF AND CANOPY DRAIN SHALL INCORPORATE BOOT PER DETAIL. 6" PVC PIPE SHALL EXTEND TO A MAIN AS SHOWN ON THE PLAN. POSITIVE DRAINAGE SHALL BE MAINTAINED TOWARD MAIN AT 1.0% MINIMUM SLOPE. 6" PVC CONNECTION TO BE MADE WITH INSERT-A-TIE OR ENGINEER APPROVED EQUIVALENT BETWEEN DISSIMILAR MATERIALS.

BENCHMARK

DESCRIPTION	ELEVATION (USGS)
BENCHMARK 1 RAILROAD SPIKE IN POLE	851.48
BENCHMARK 2 RAILROAD SPIKE SOUTH SIDE OF POWER POLE	849.39
BENCHMARK 3 CUT SQUARE ON BRIDGE	846.09

SEE SHEET C-16 FOR BENCHMARK LOCATIONS



MATCHLINE - SEE SHEET C-36

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. AGENCY REVIEW		06-27-2025
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---

REVISIONS		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

SHEET TITLE

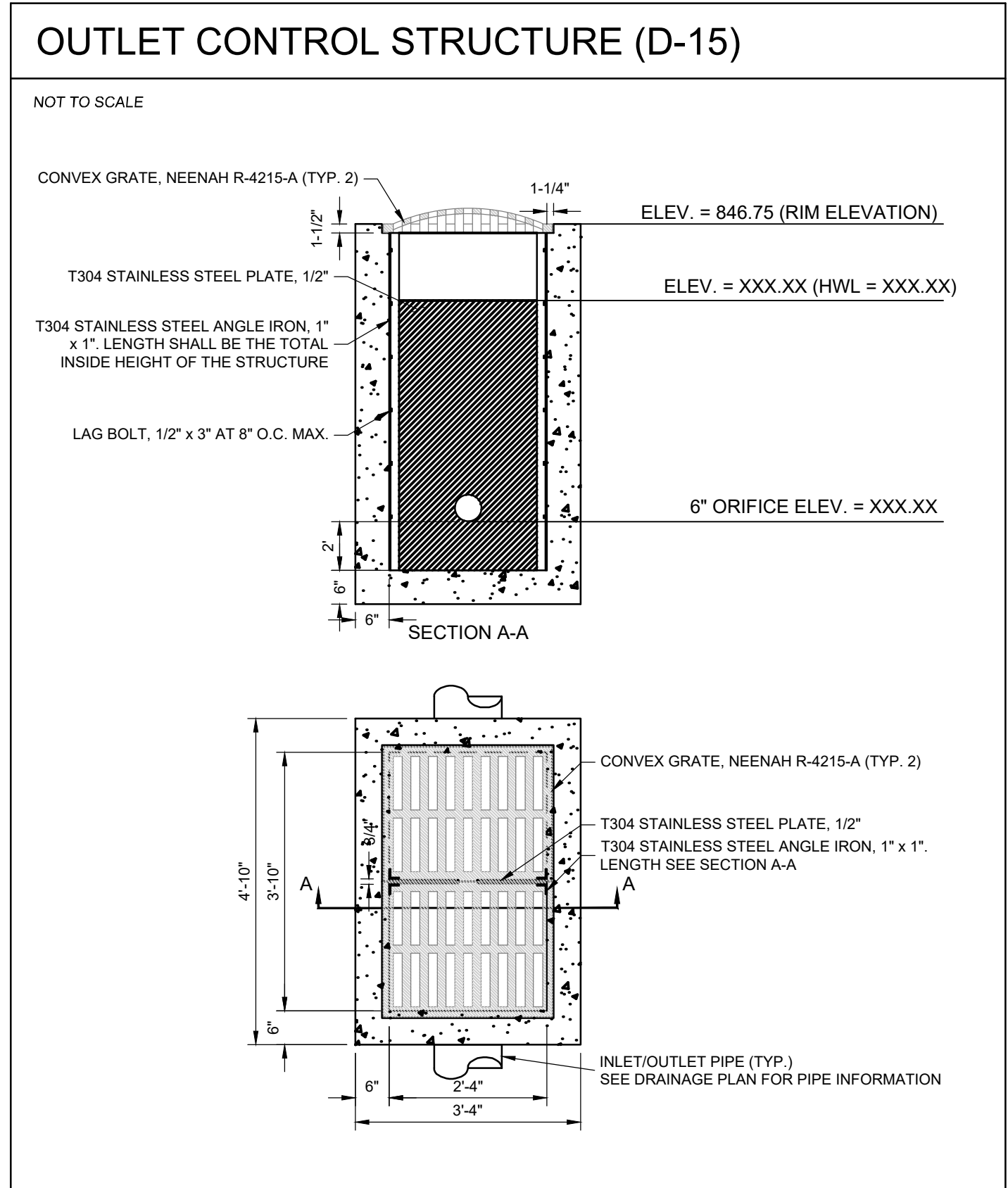
**RUNWAY GRADING
PLAN SOUTH**

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

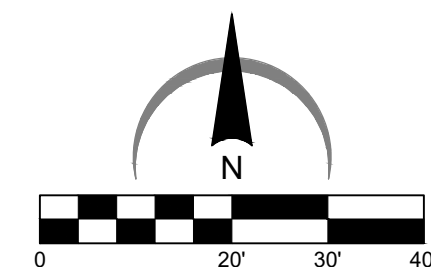
24033

C-37



LEGEND

---	PROPERTY LINE
---	LOT LINE
---	EXISTING RIGHT-OF-WAY
---	EXISTING EASEMENT LINE
---	PROPOSED EASEMENT LINE
---	PROPOSED ROW LINE
---	PROPOSED LOT LINE
---	PROPOSED SETBACK LINE
---	CENTERLINE
---	EXISTING CURB AND GUTTER
---	PROPOSED CURB AND GUTTER
---	EXISTING WATER MAIN
---	PROPOSED WATER SERVICE
---	EXISTING SANITARY SEWER
---	PROPOSED SANITARY SEWER
---	EXISTING STORM SEWER
---	PROPOSED STORM SEWER
---	EXISTING GAS MAIN



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. AGENCY REVIEW		06-27-2025
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---
REVISIONS		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

SHEET TITLE

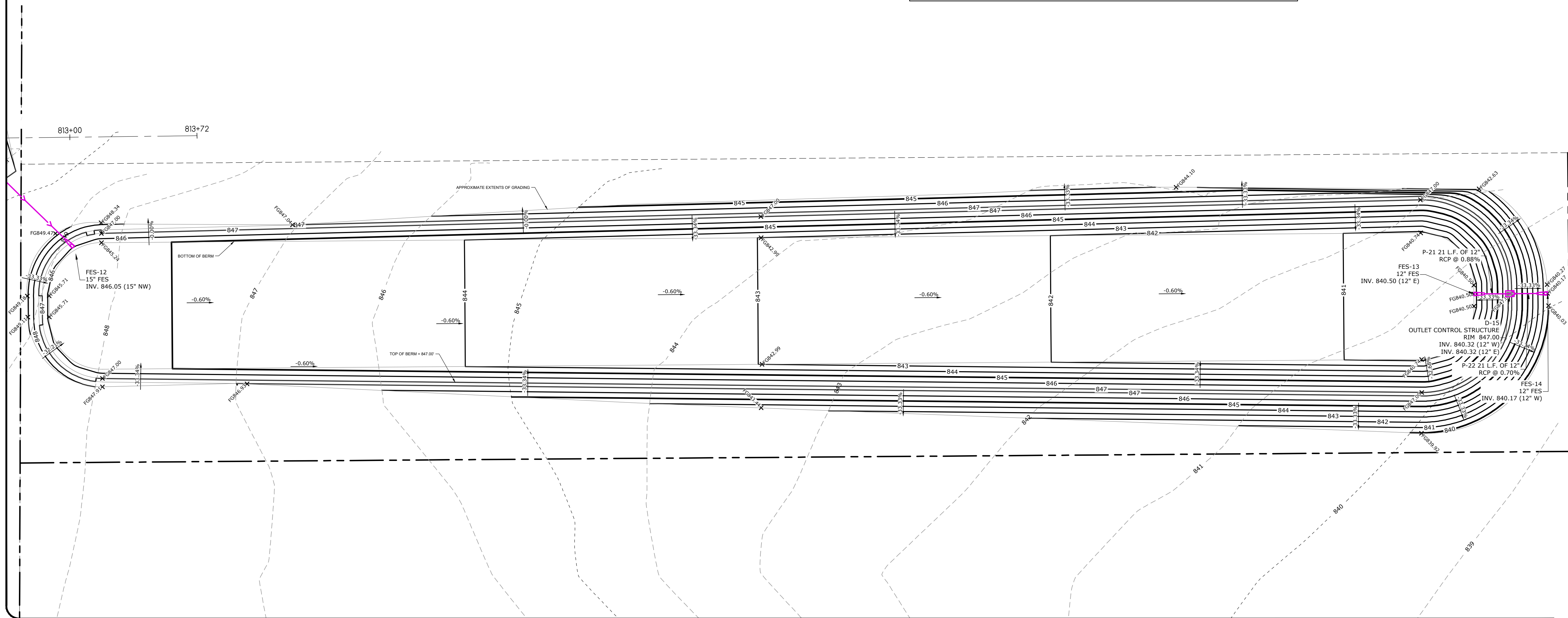
**DETENTION BASIN
PLAN**

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-38



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---
REVISIONS		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

SHEET TITLE

CURTISS COURT
CROSS SECTIONS
300+00 - 303+50

DRAWN TRS

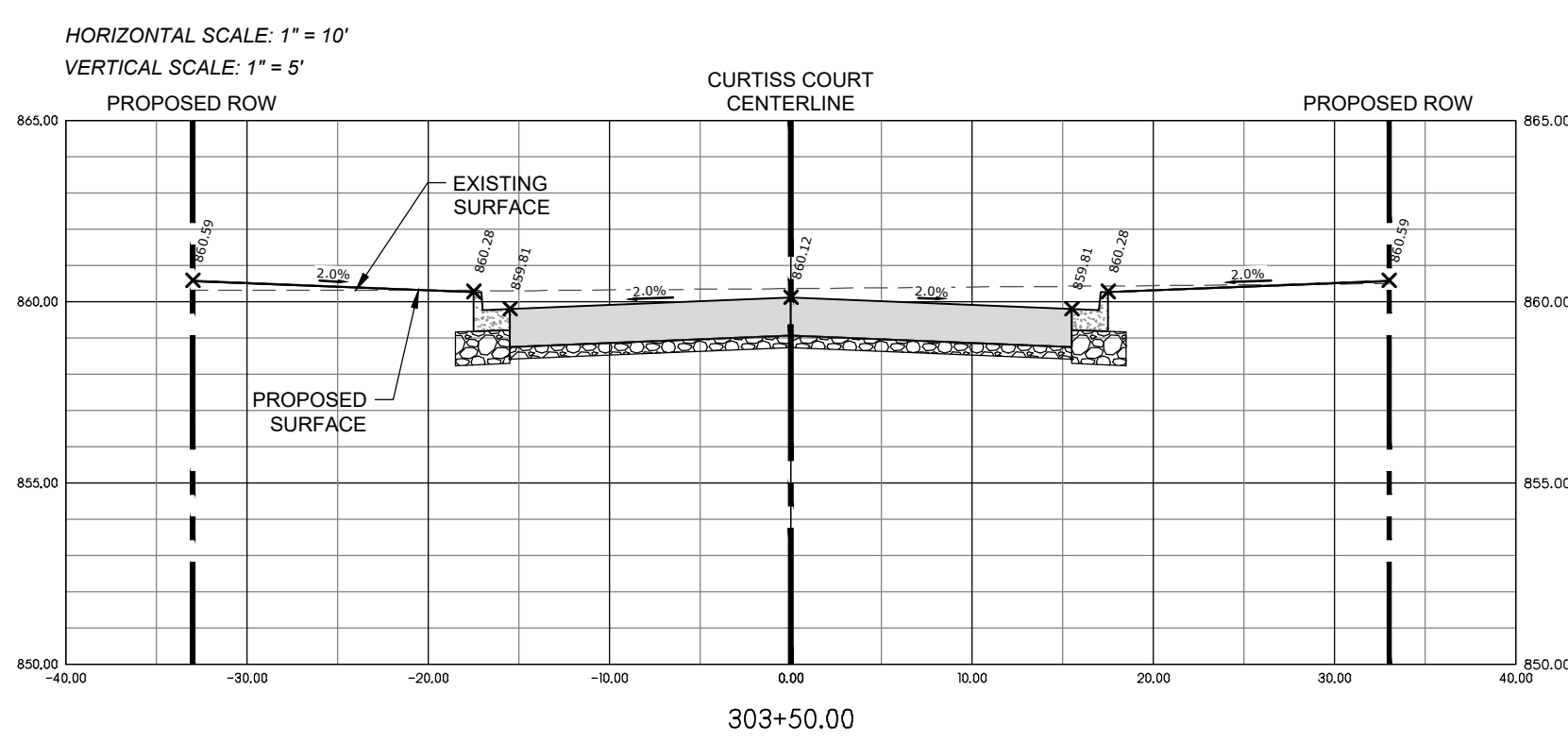
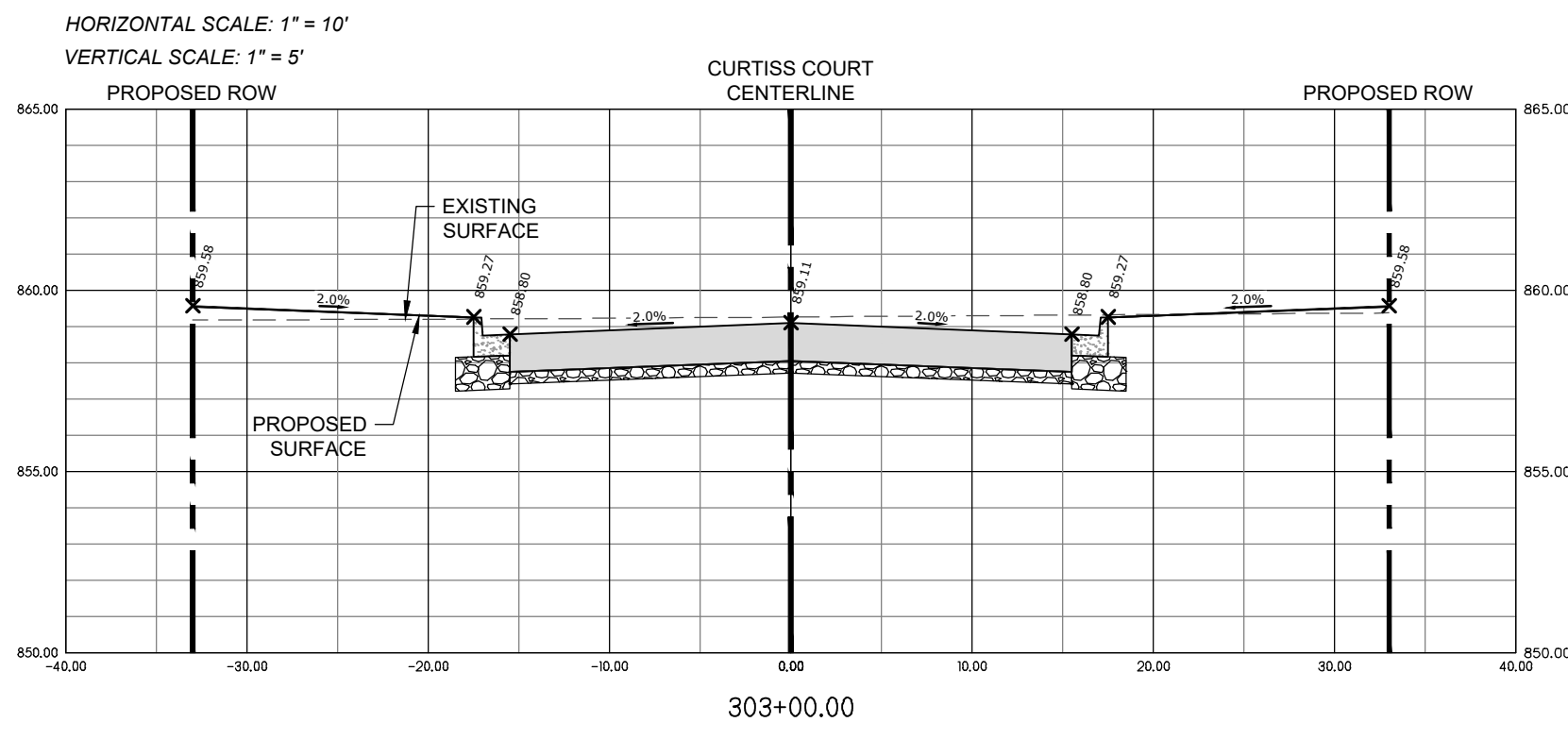
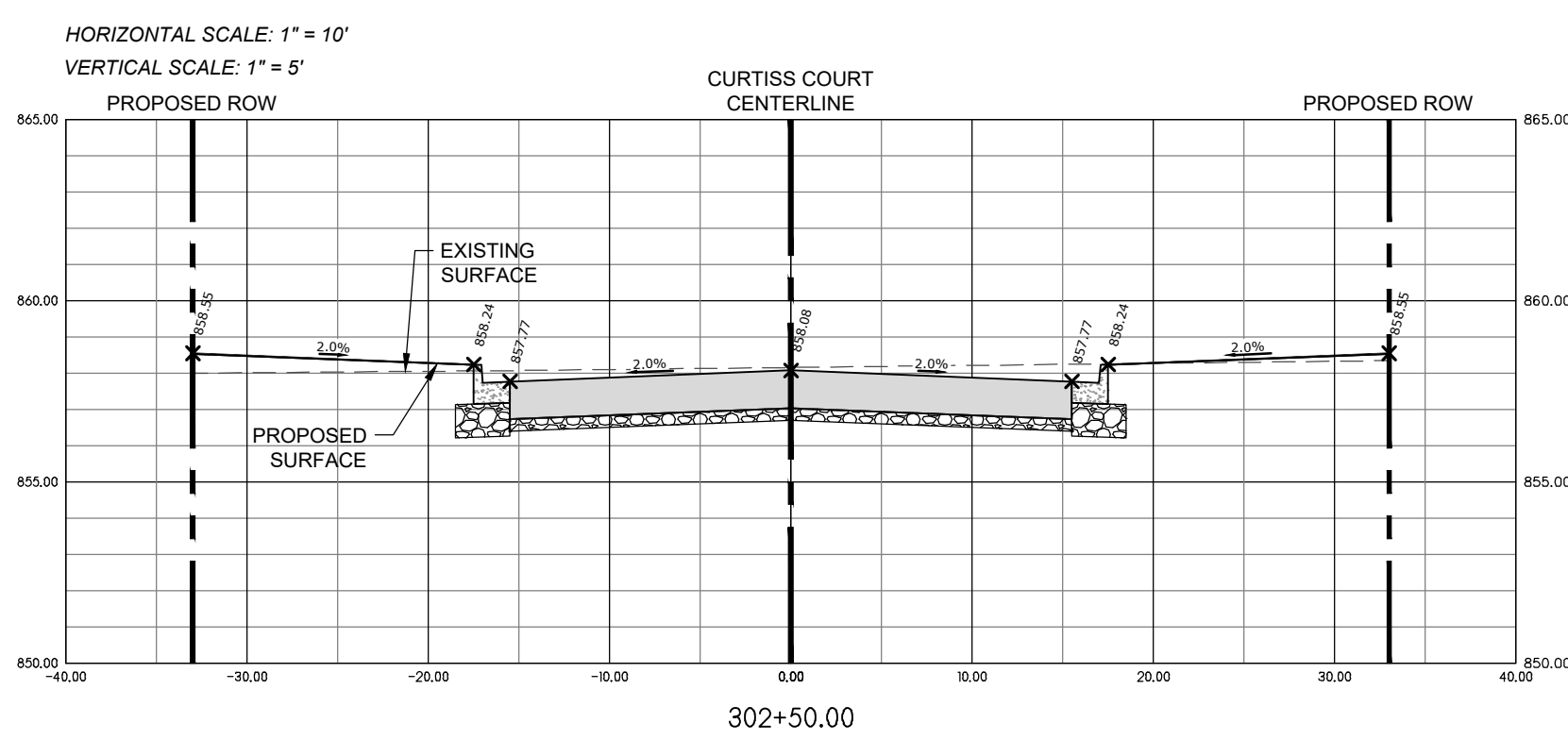
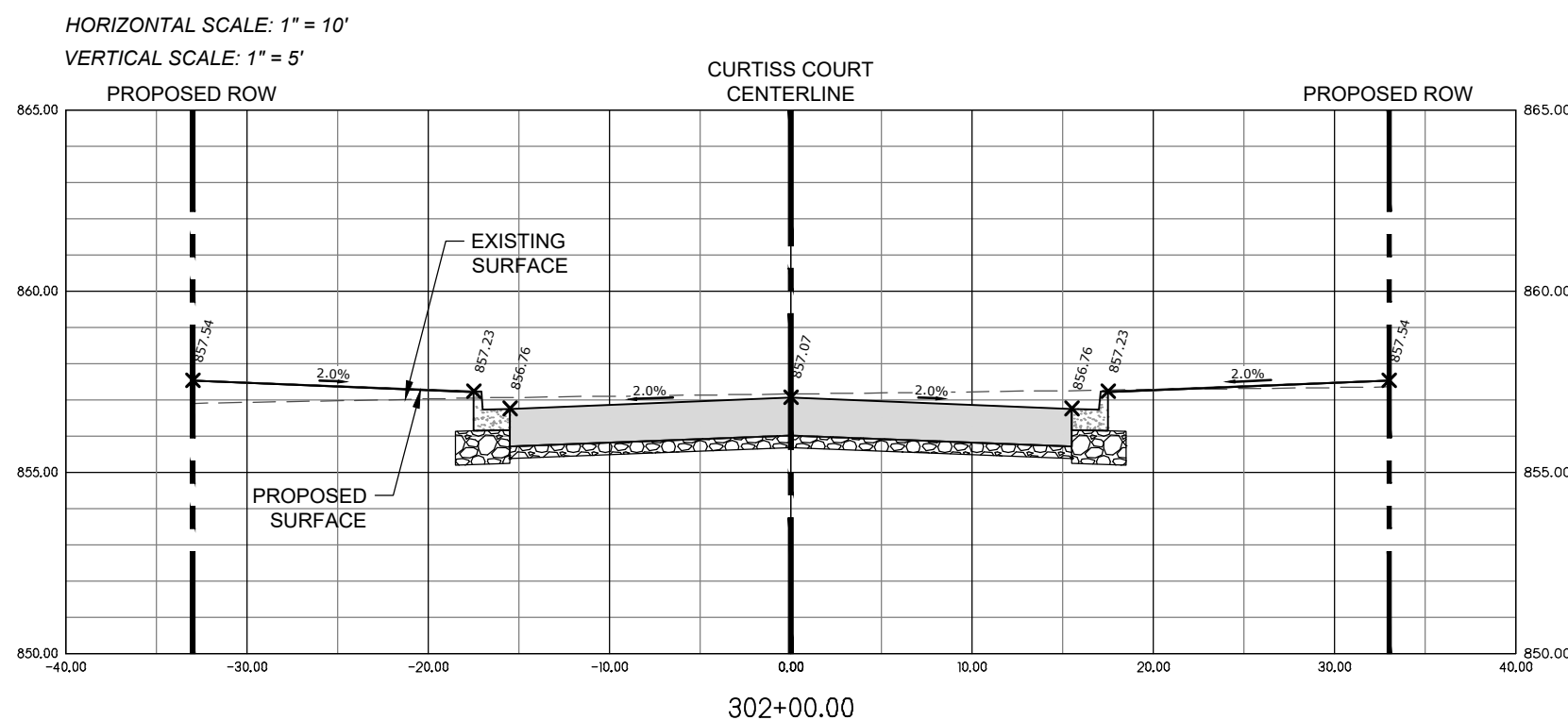
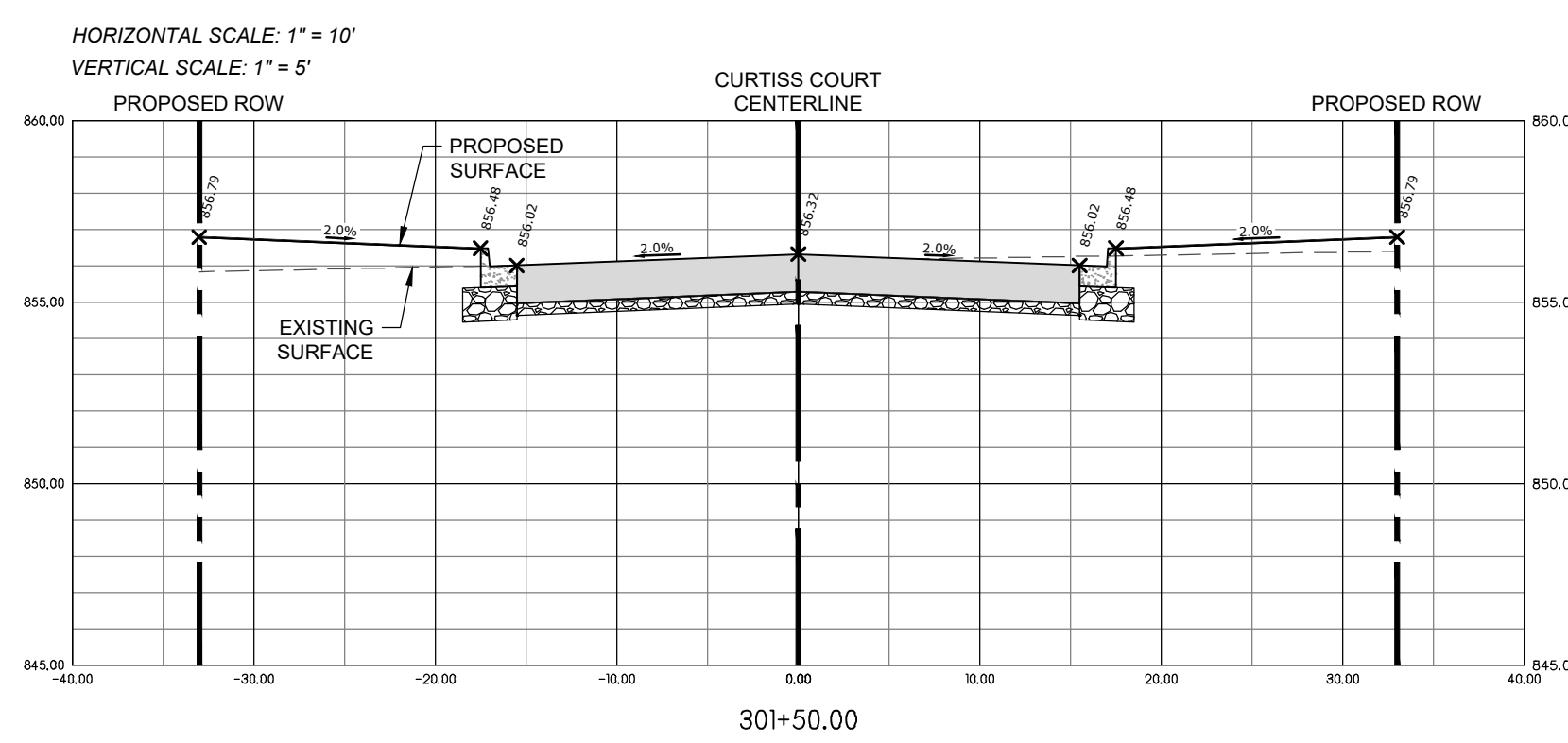
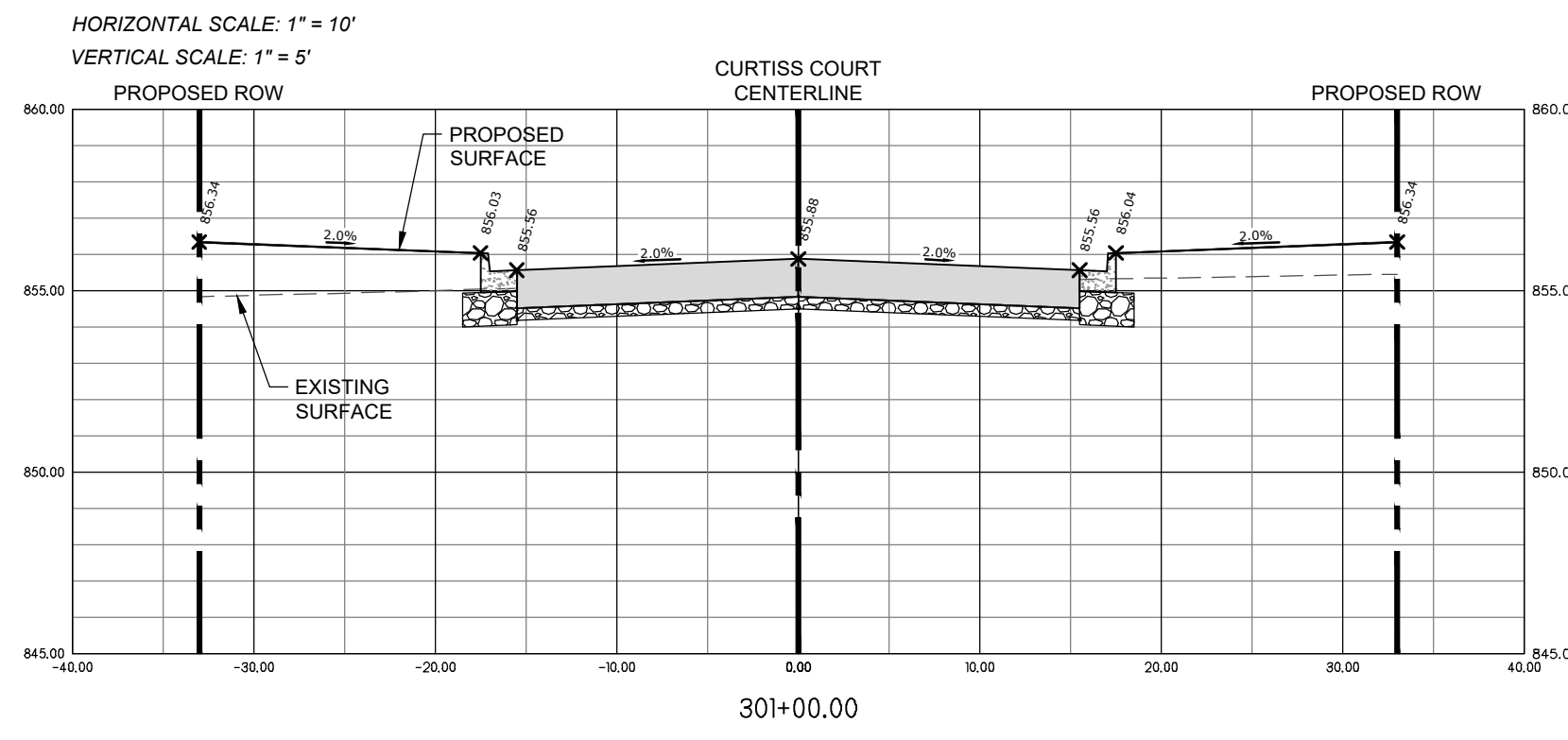
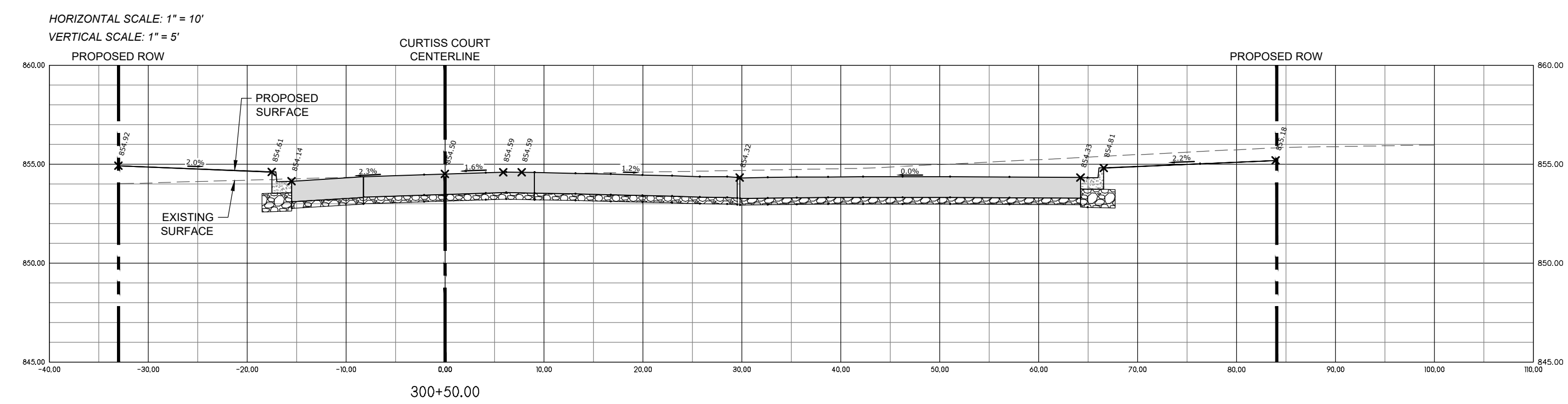
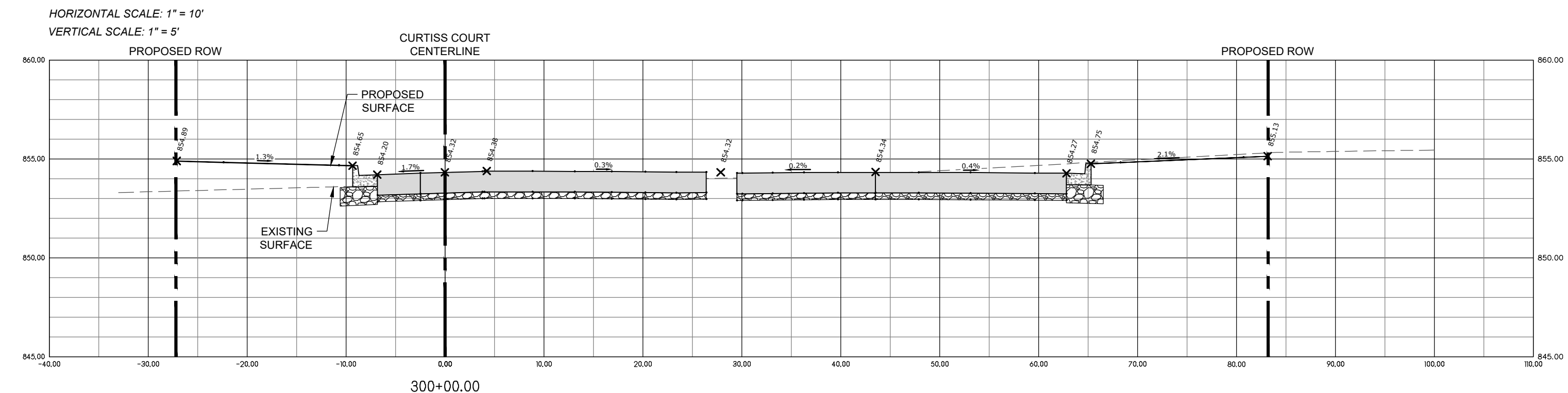
CHECKED LND

PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-39



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1.	AGENCY REVIEW	DATE
2.	---	03-17-2025
3.	---	---
4.	---	---
5.	---	---
6.	---	---
7.	---	---
8.	---	---
9.	---	---
10.	---	---
11.	---	---
12.	---	---

REVISIONS

ITEM	DATE
1.	---
2.	---
3.	---
4.	---
5.	---
6.	---

SHEET TITLE

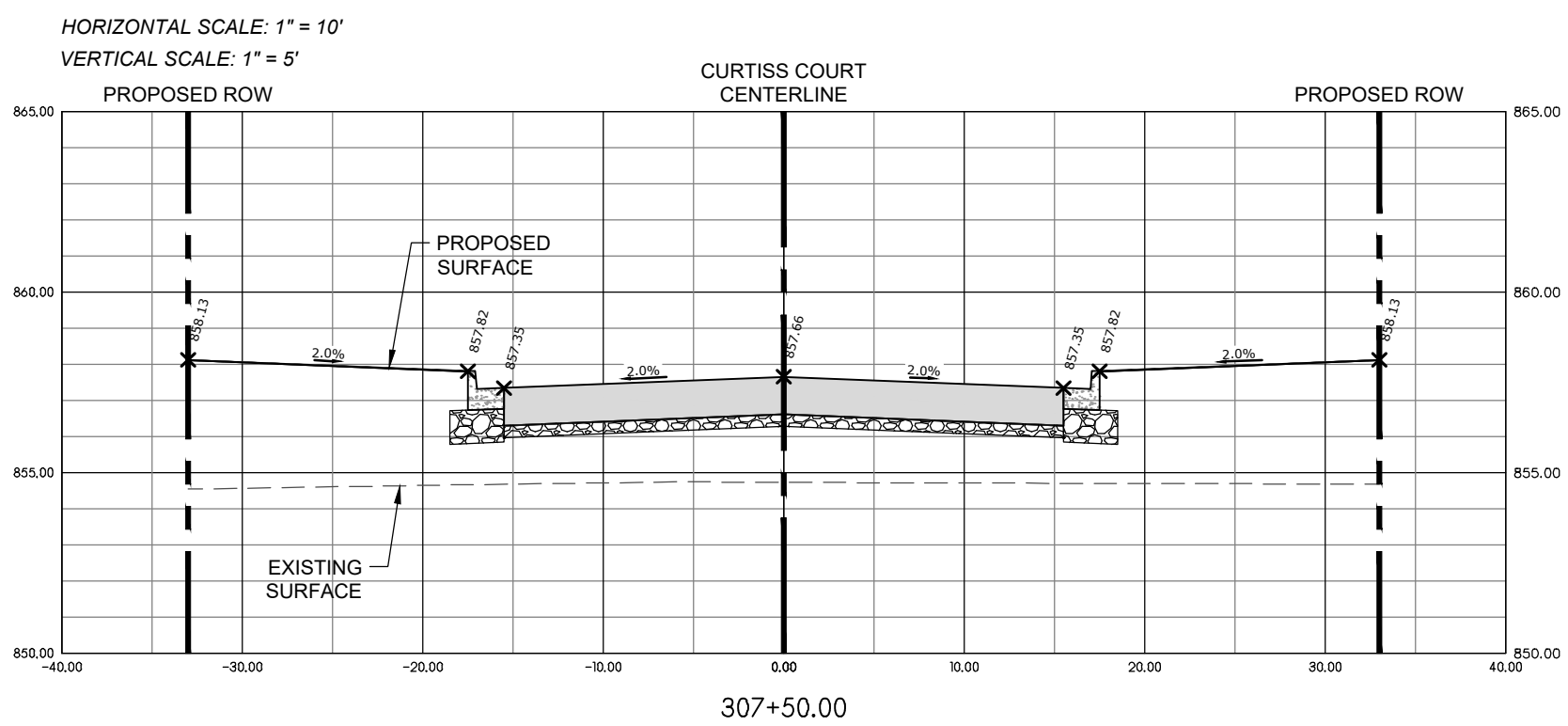
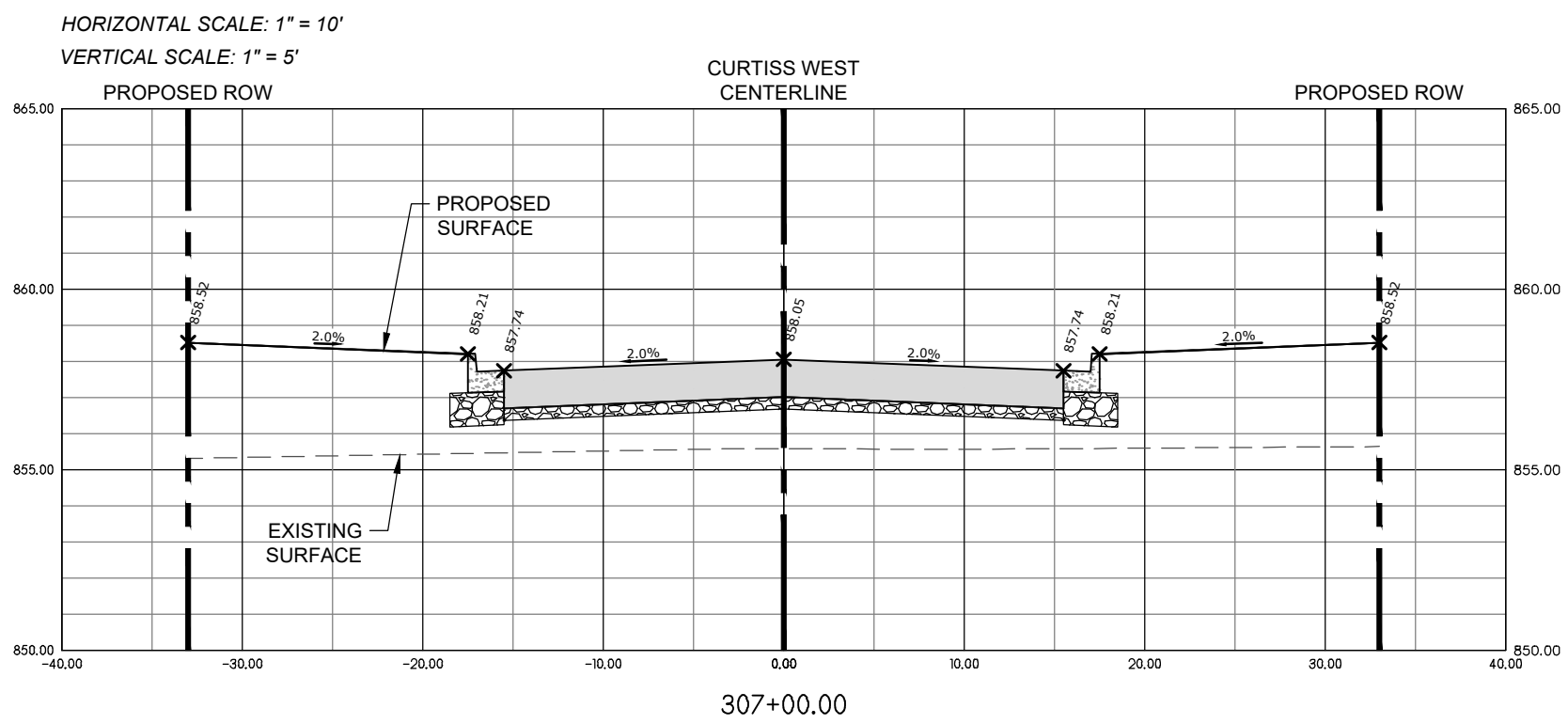
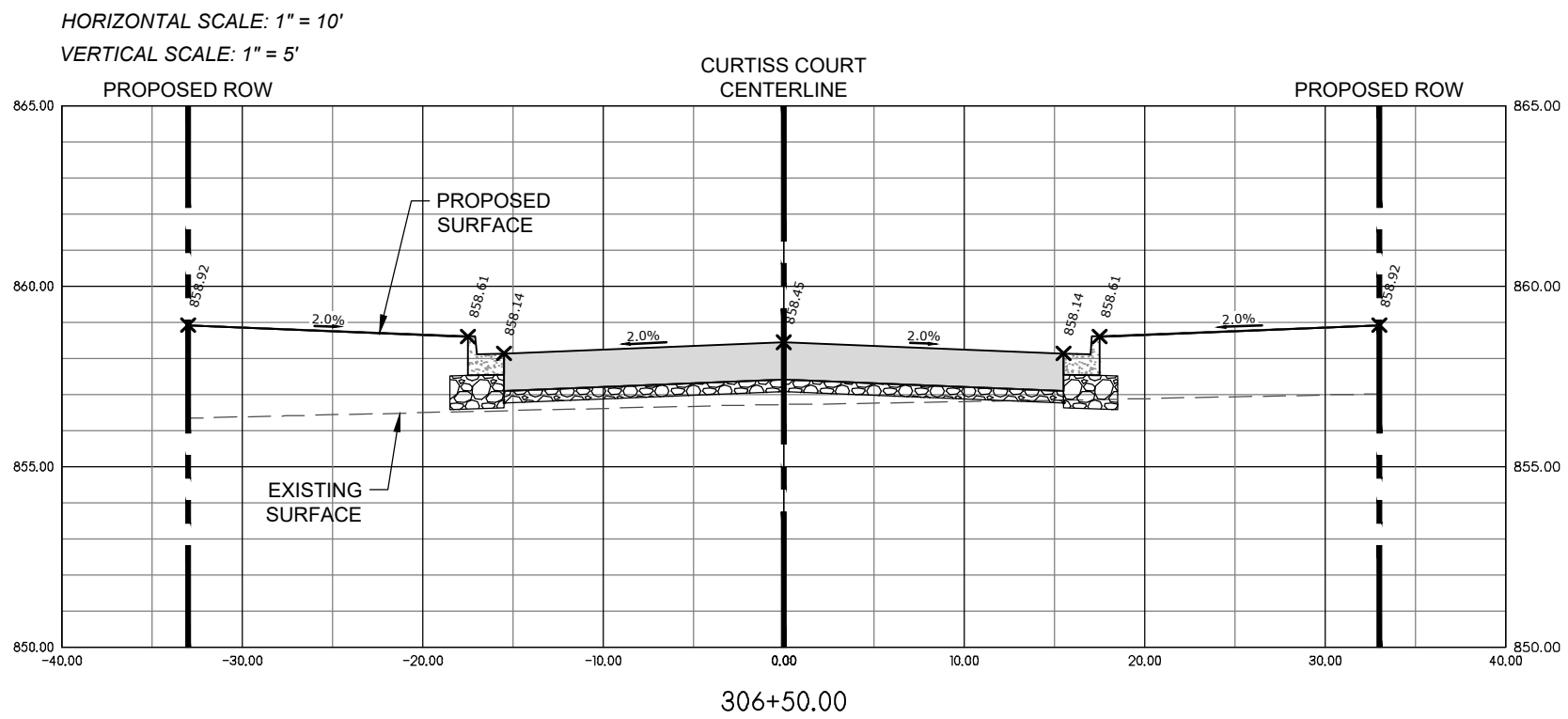
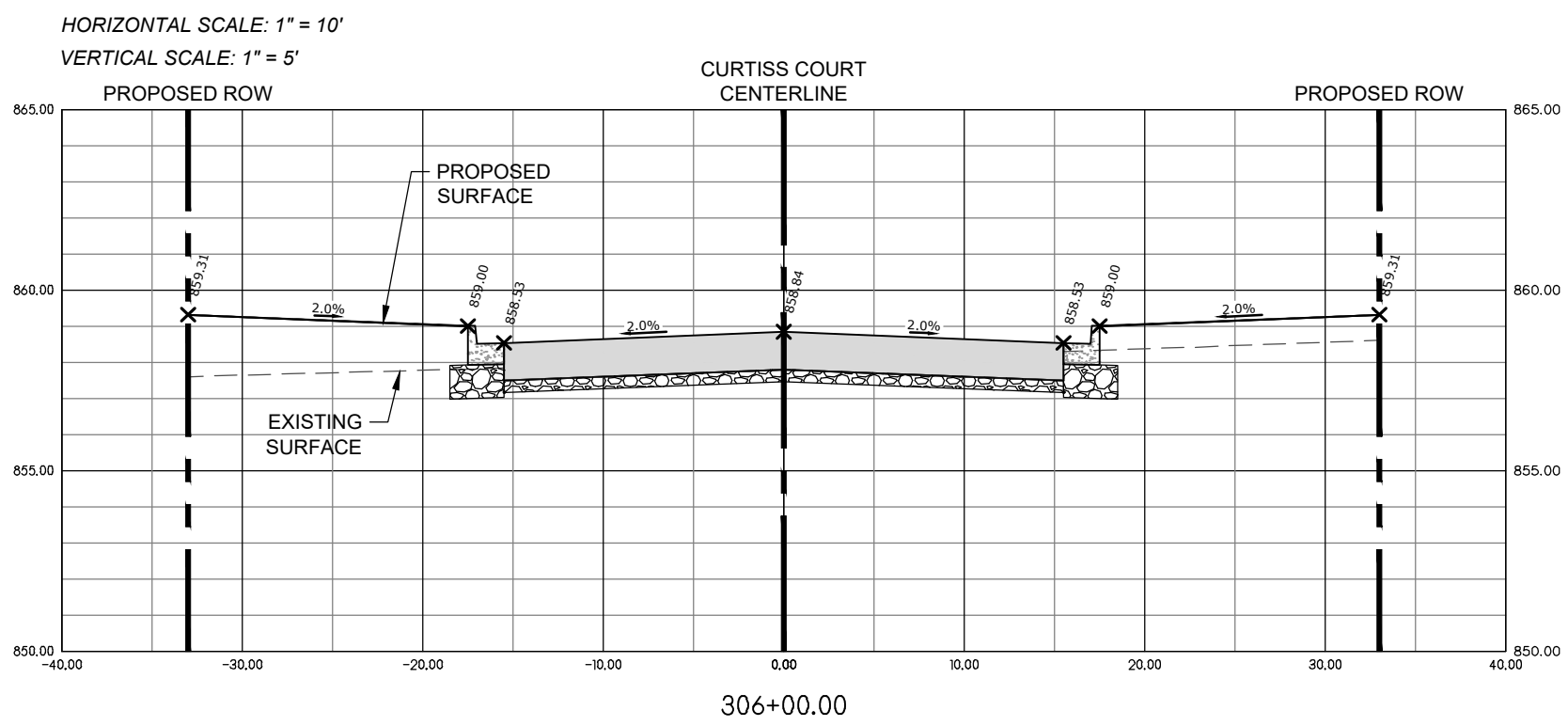
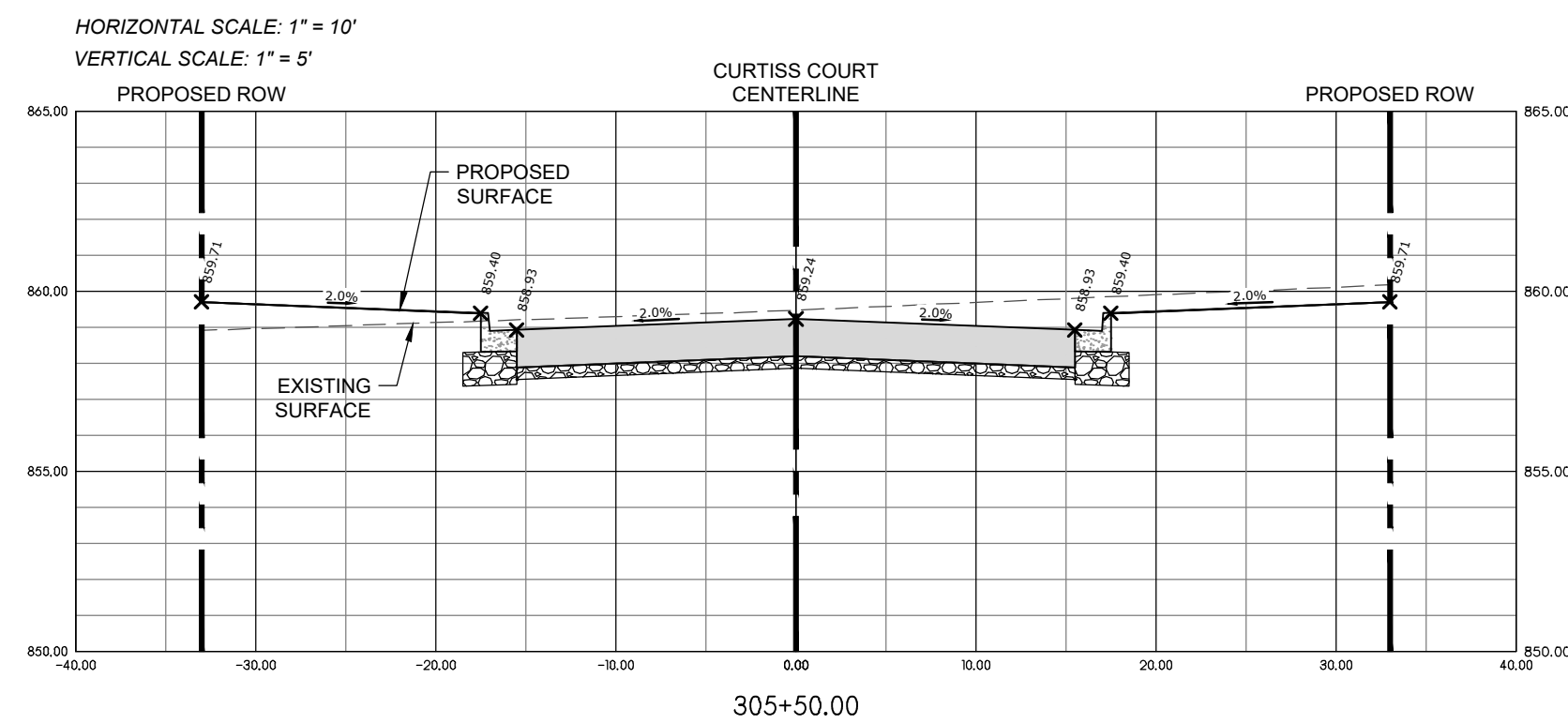
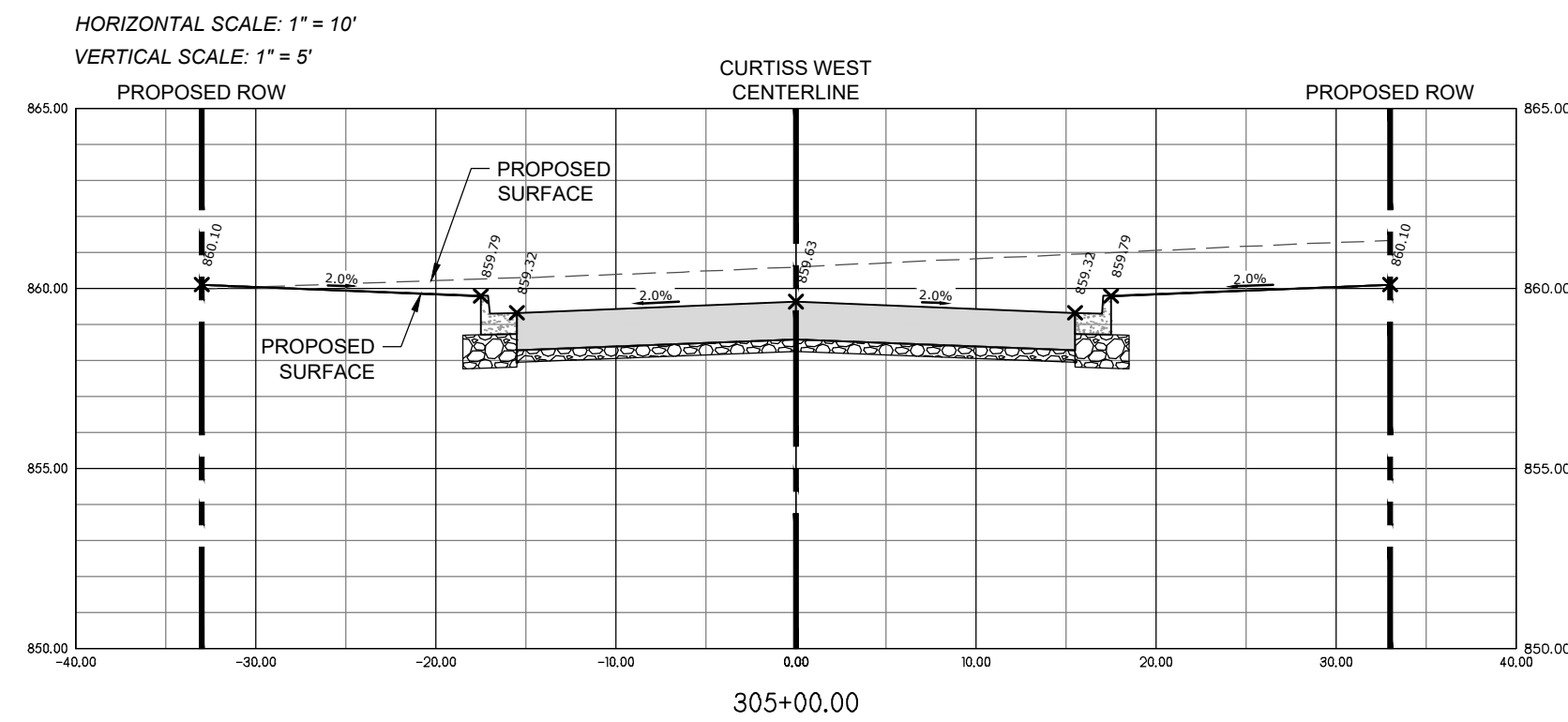
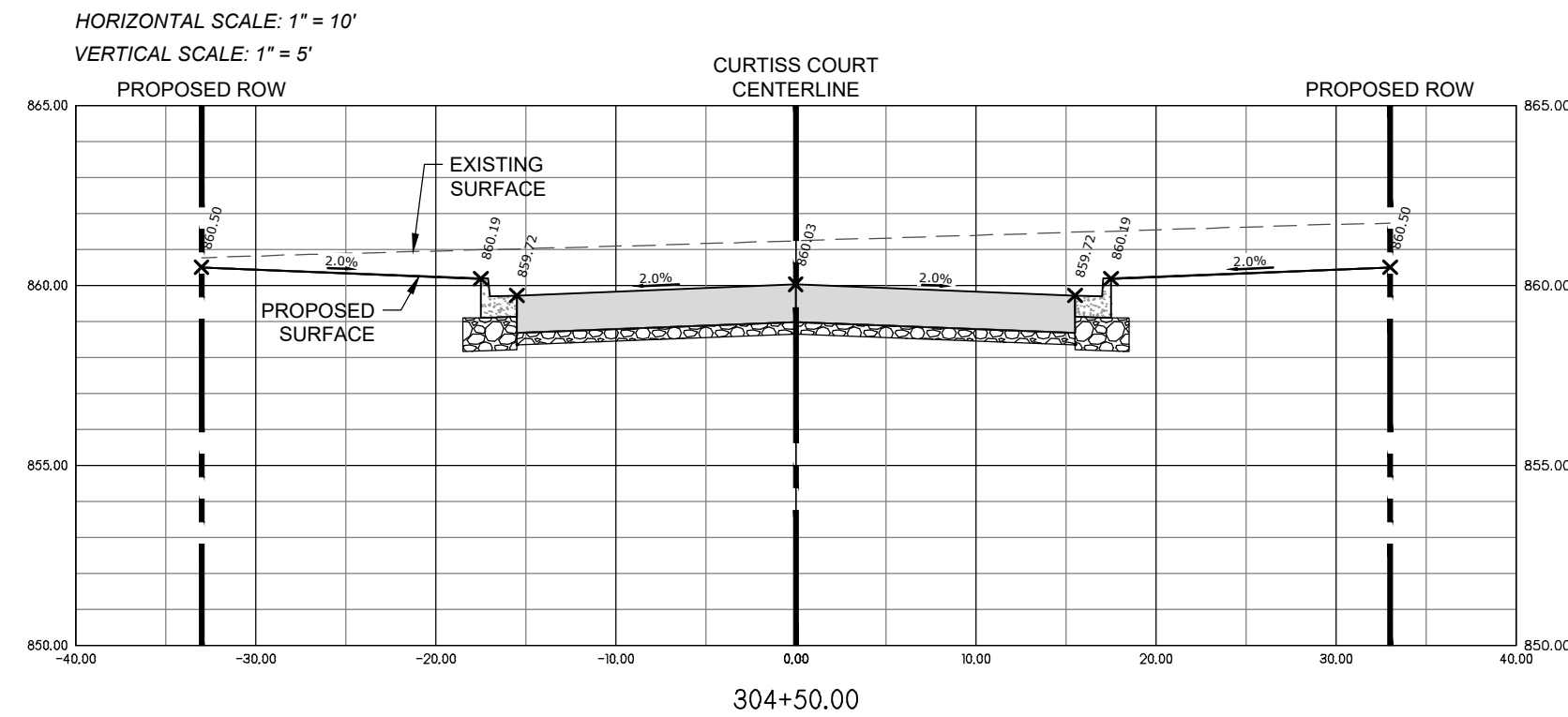
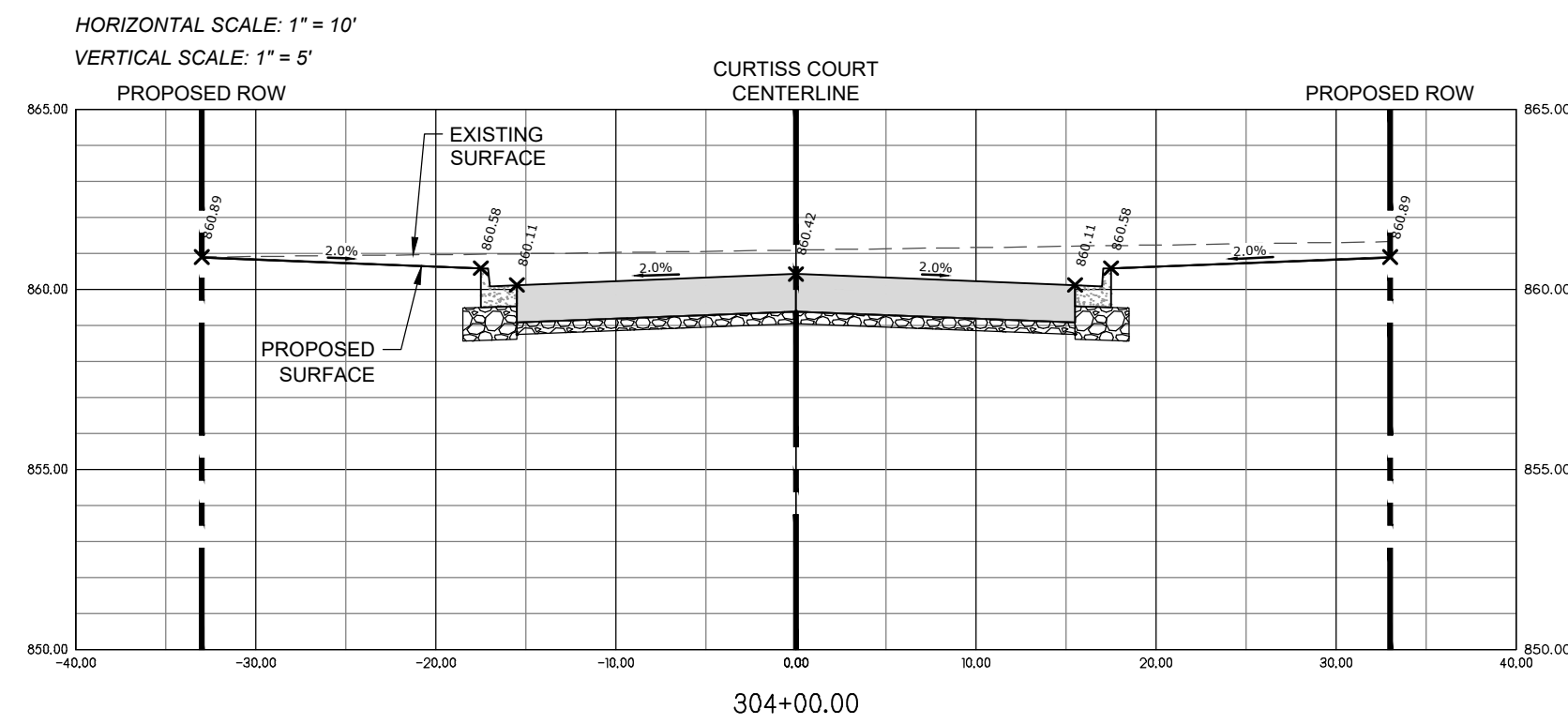
CURTISS
COURT CROSS
SECTIONS
304+00 - 307+50

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-40



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

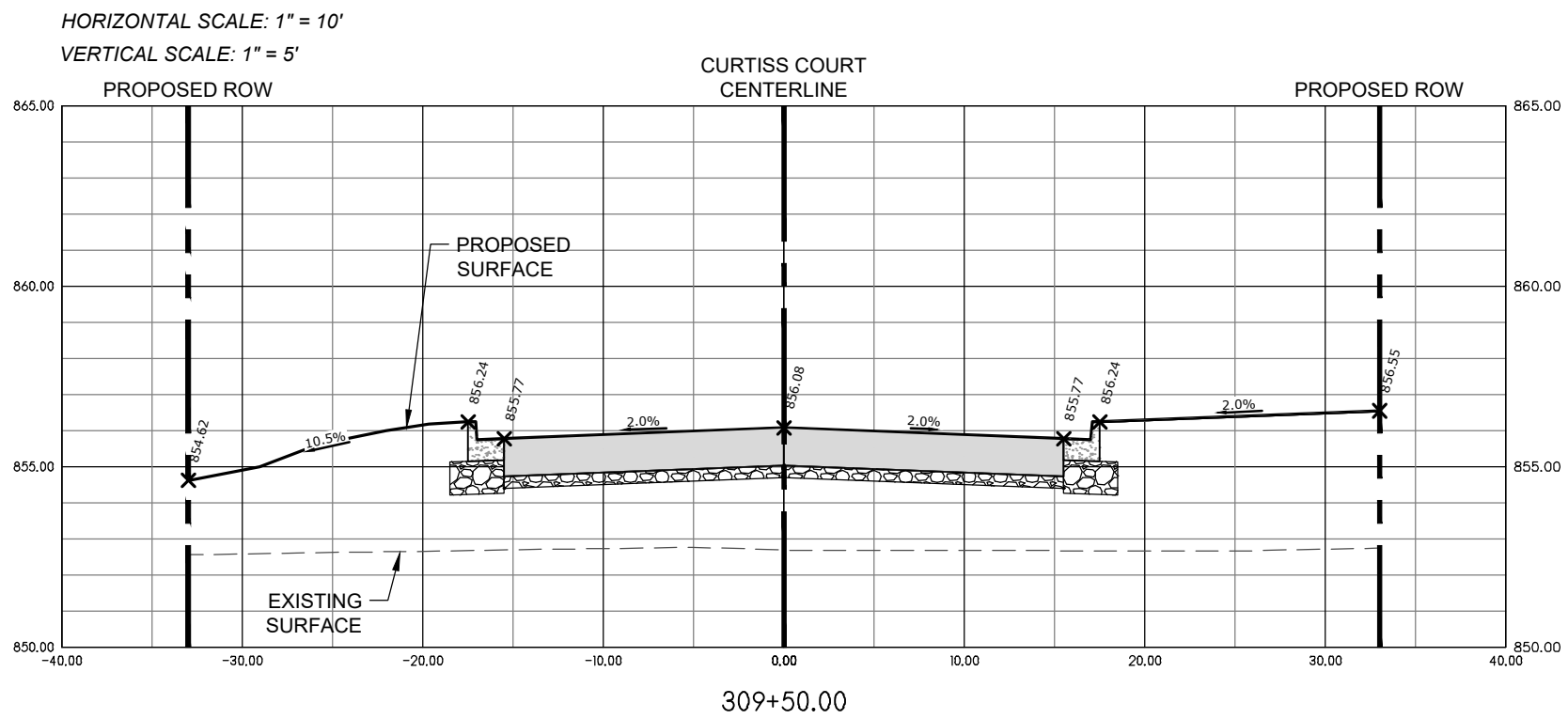
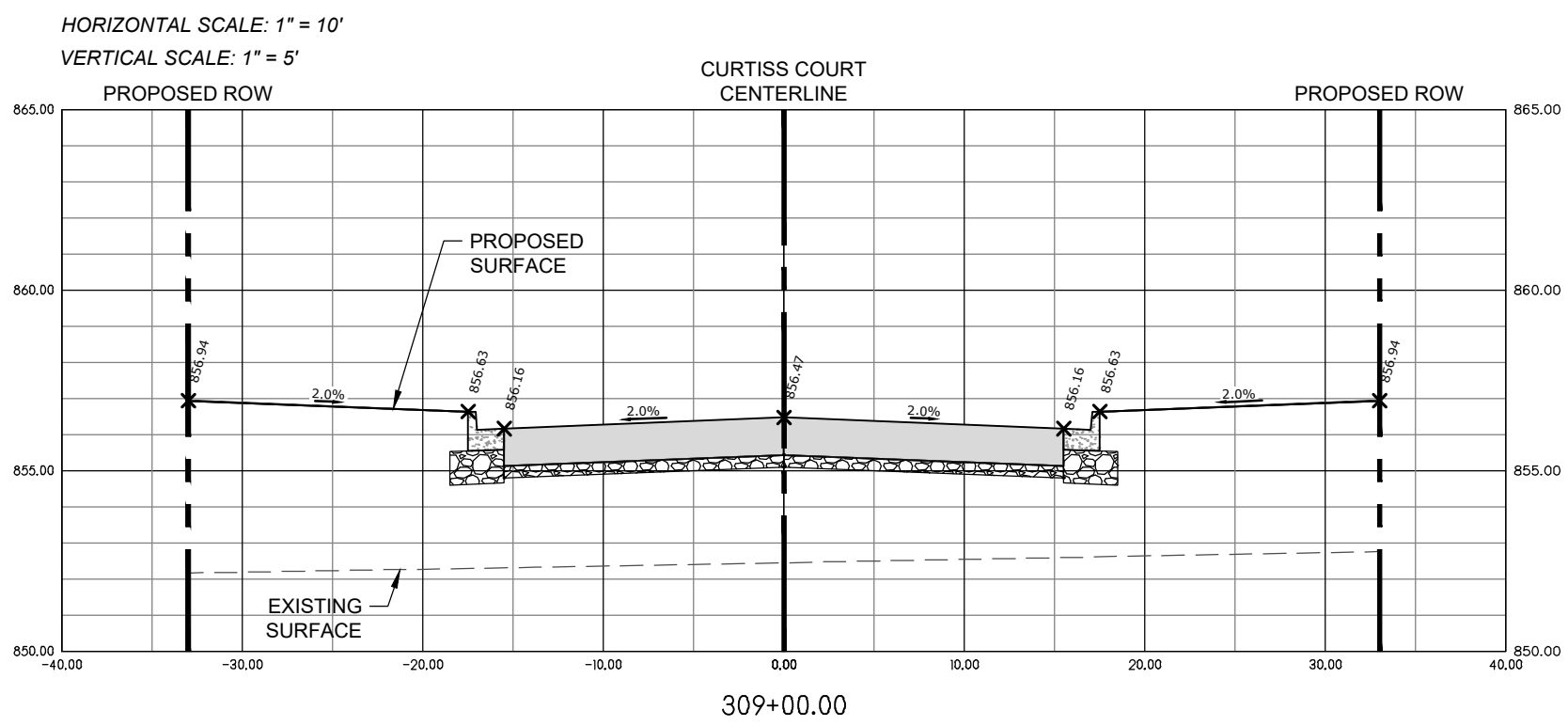
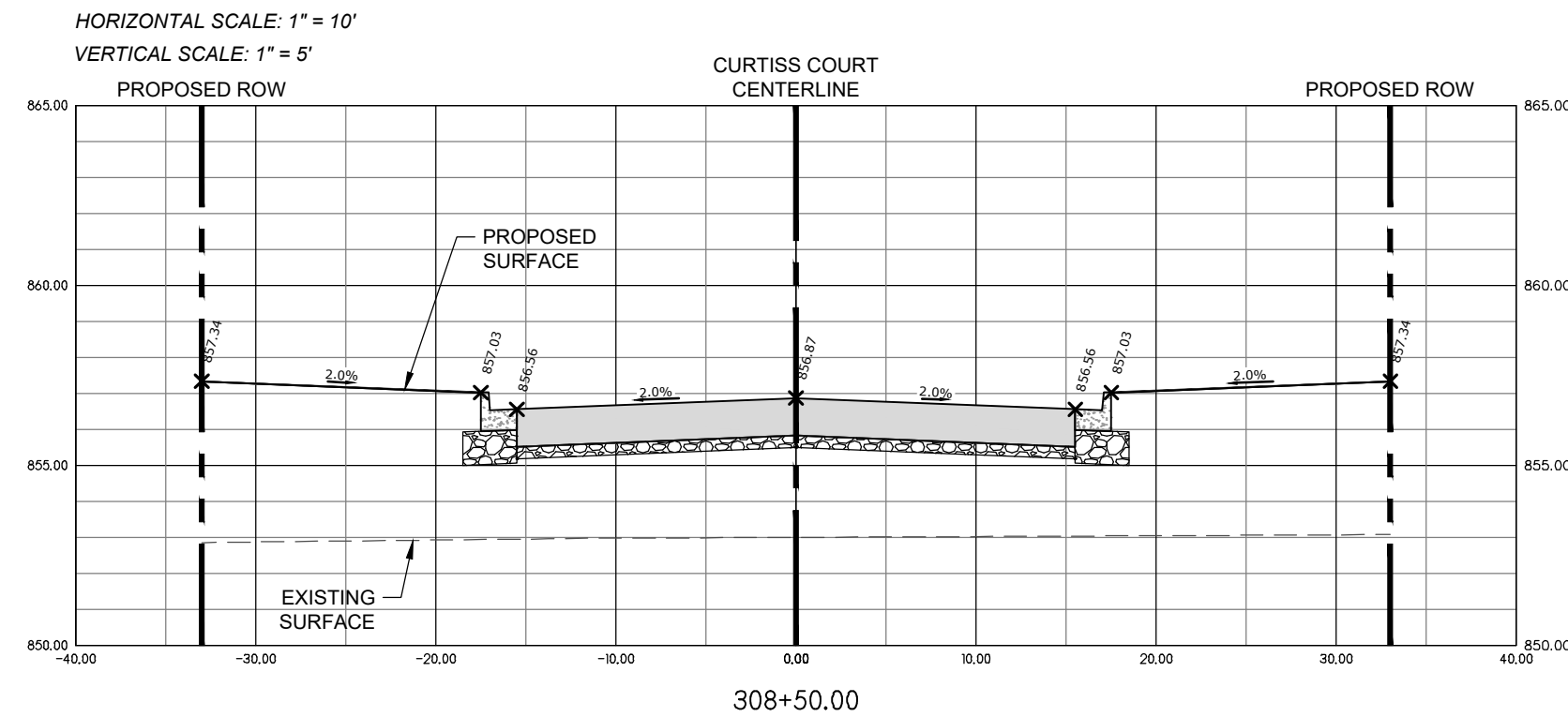
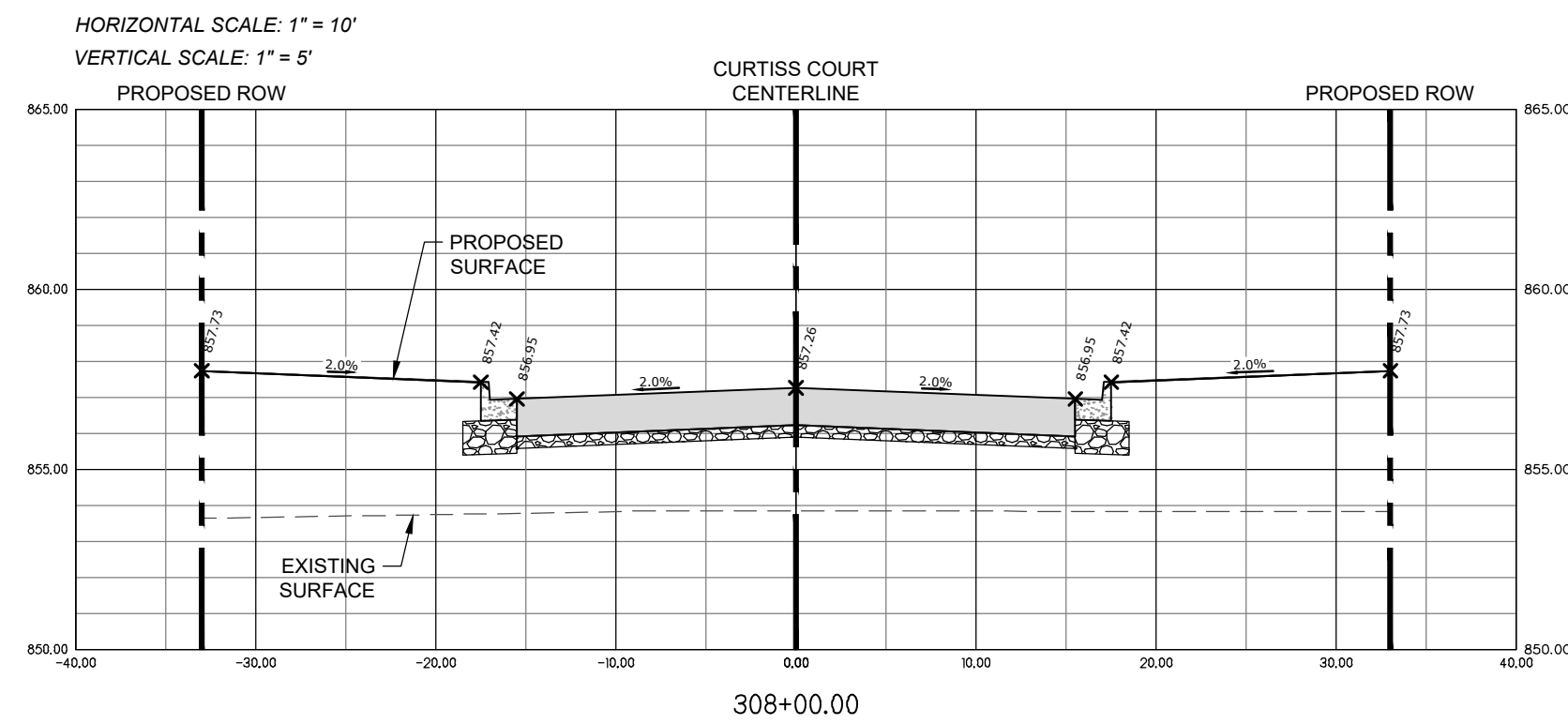
CURTISS COURT
CROSS SECTIONS
308+00 - 309+50

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-41



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

TRAVEL AIR WAY
CROSS SECTIONS
310+00 - 311+96.76

DRAWN

TRS

CHECKED

LND

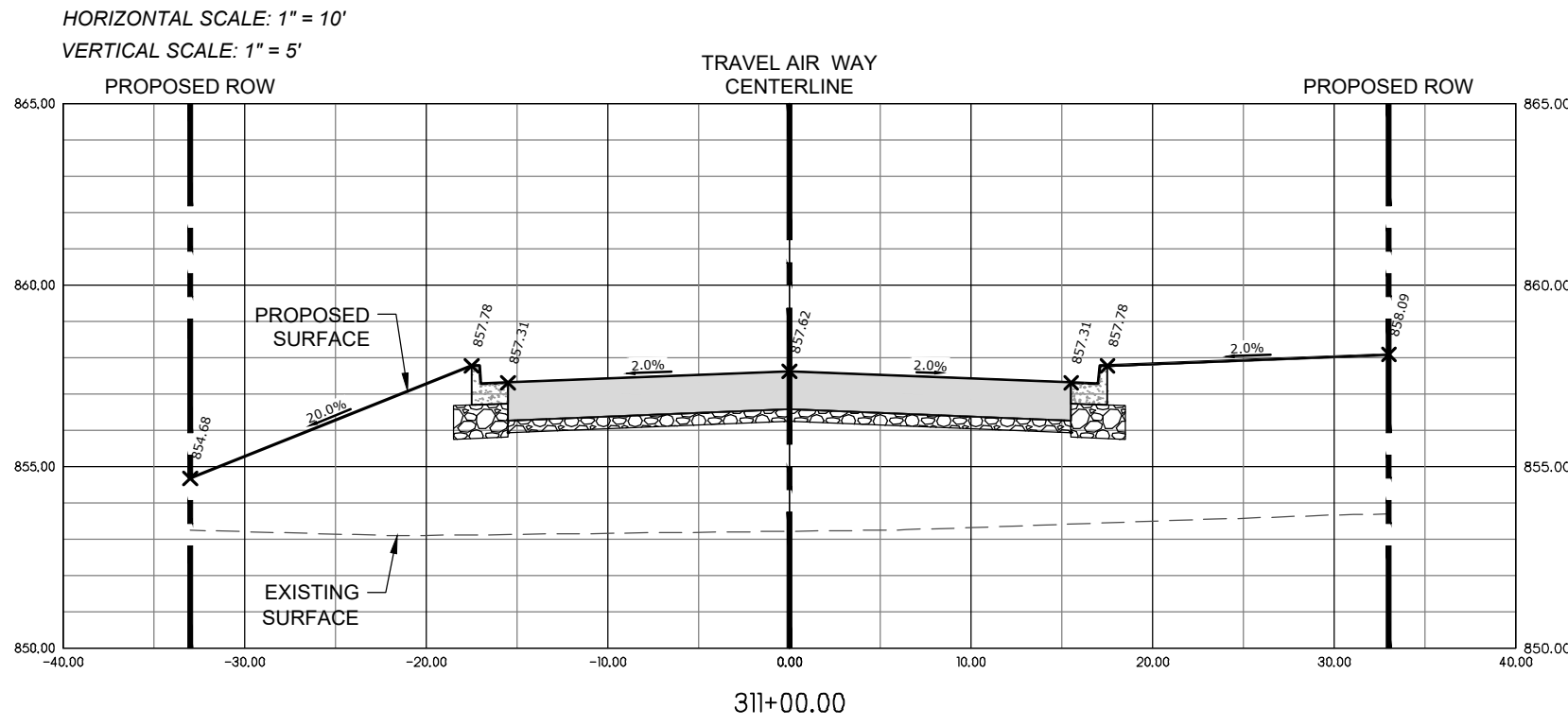
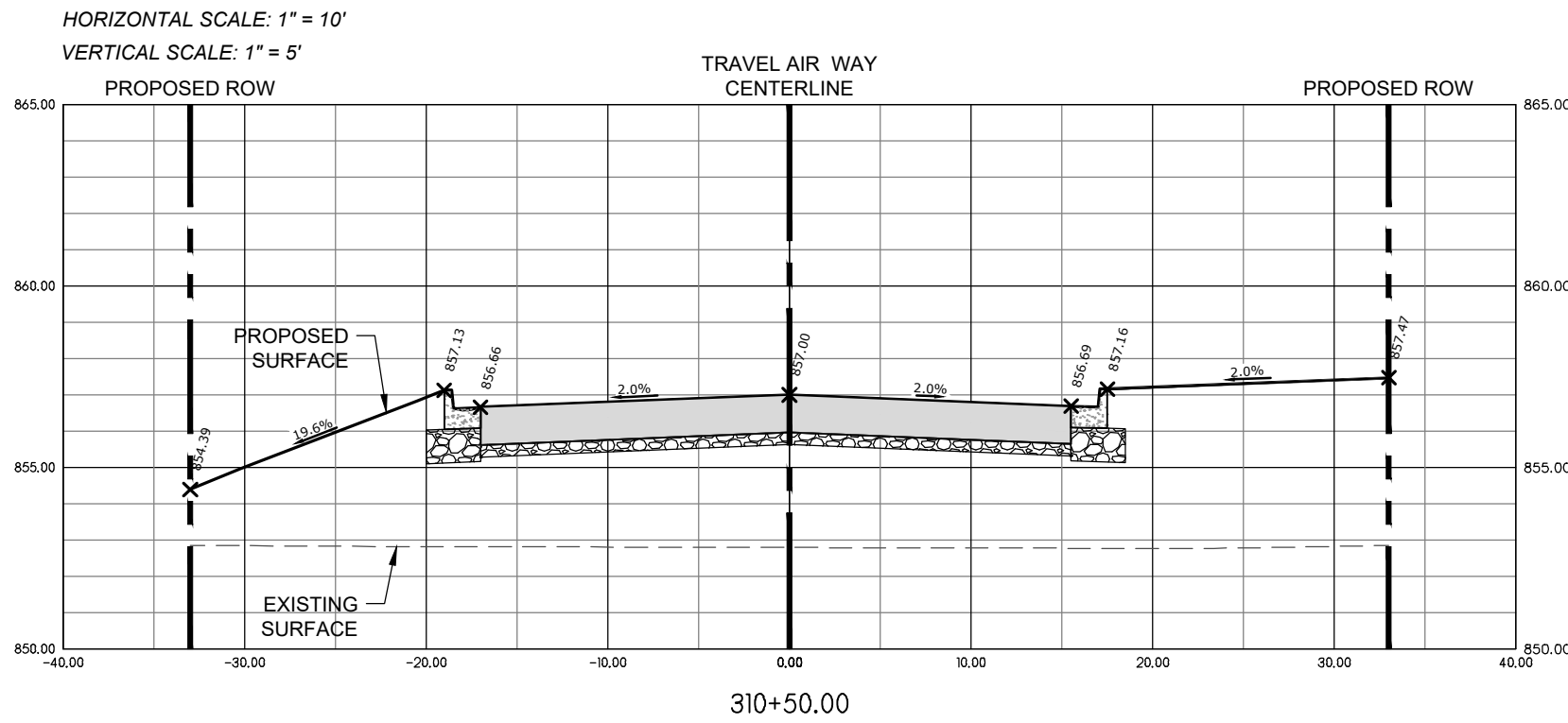
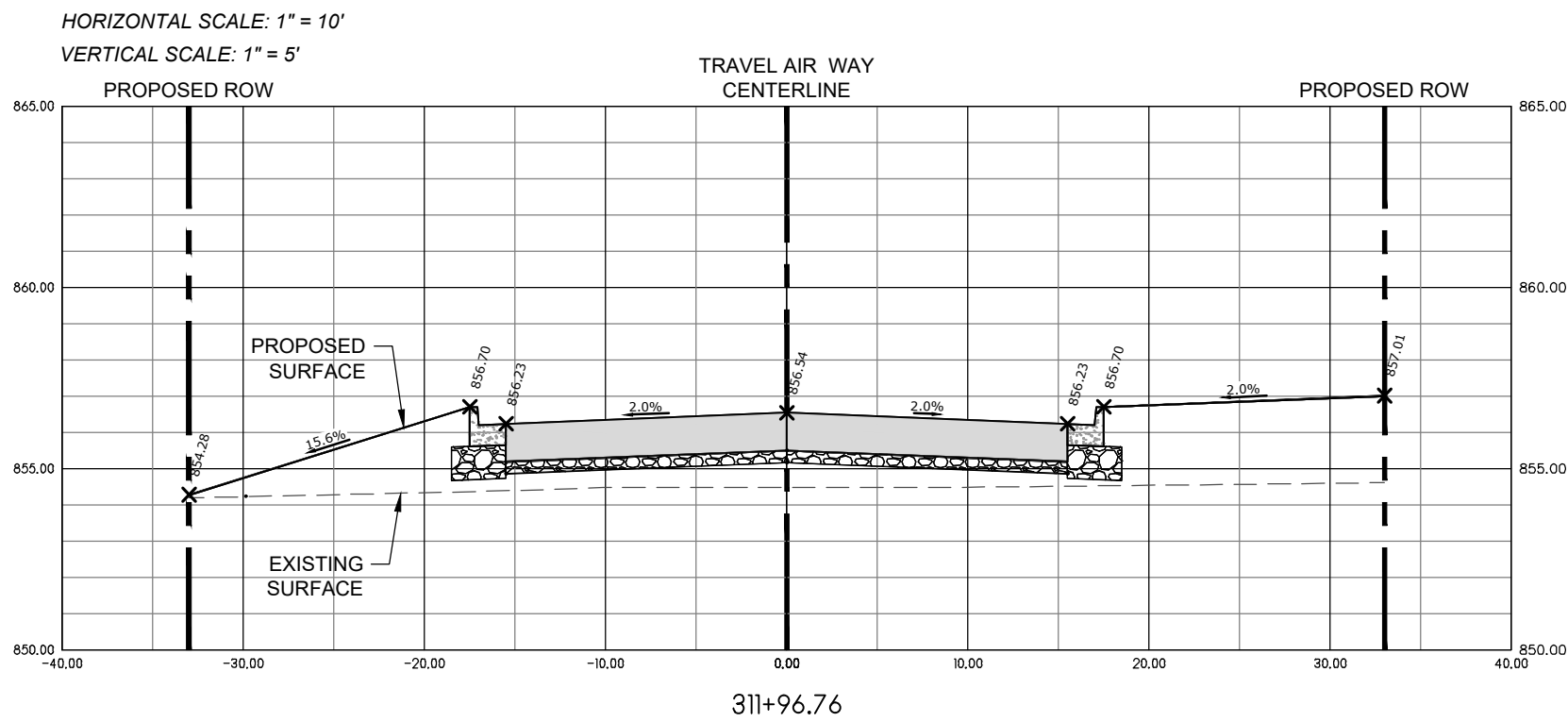
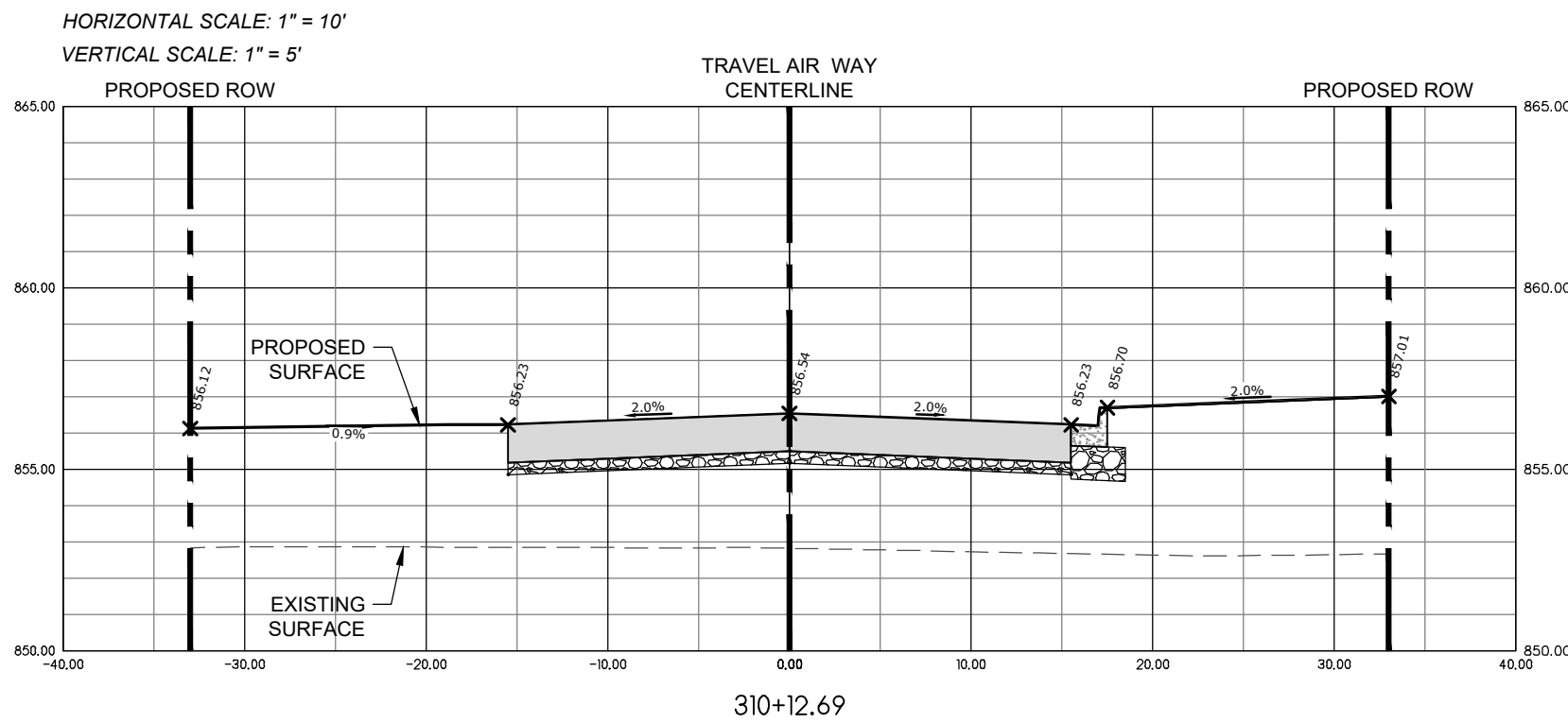
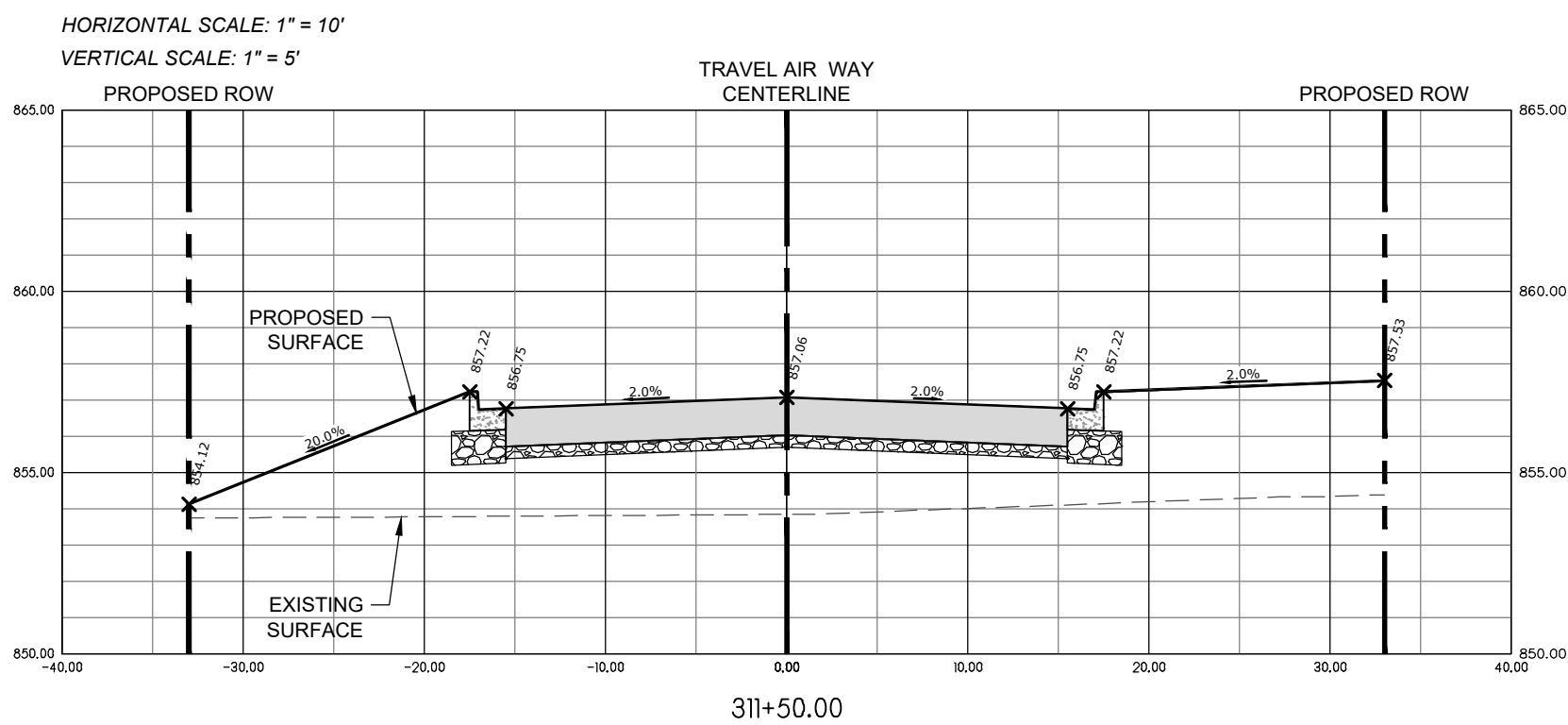
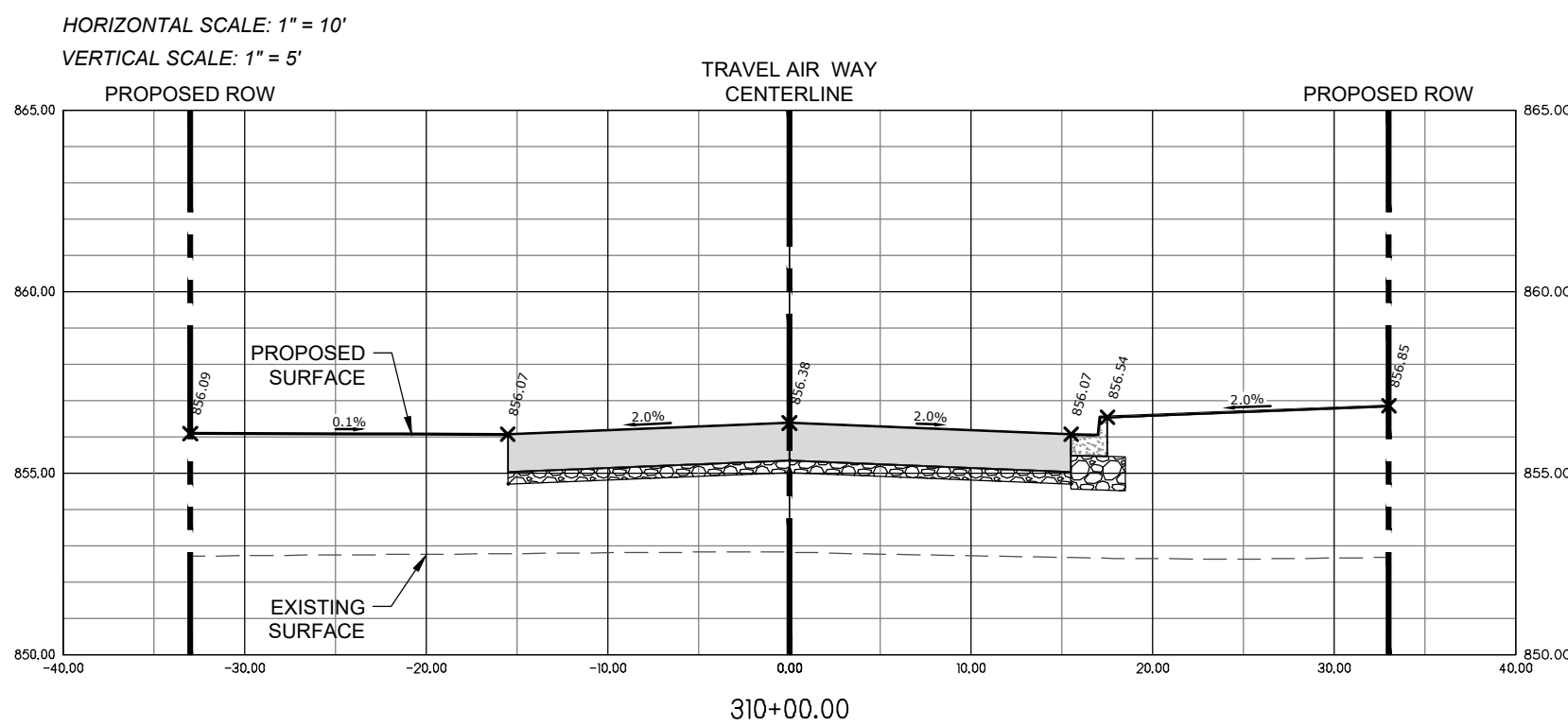
PM

RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-42



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1. AGENCY REVIEW	DATE
2. ---	03-17-2025
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

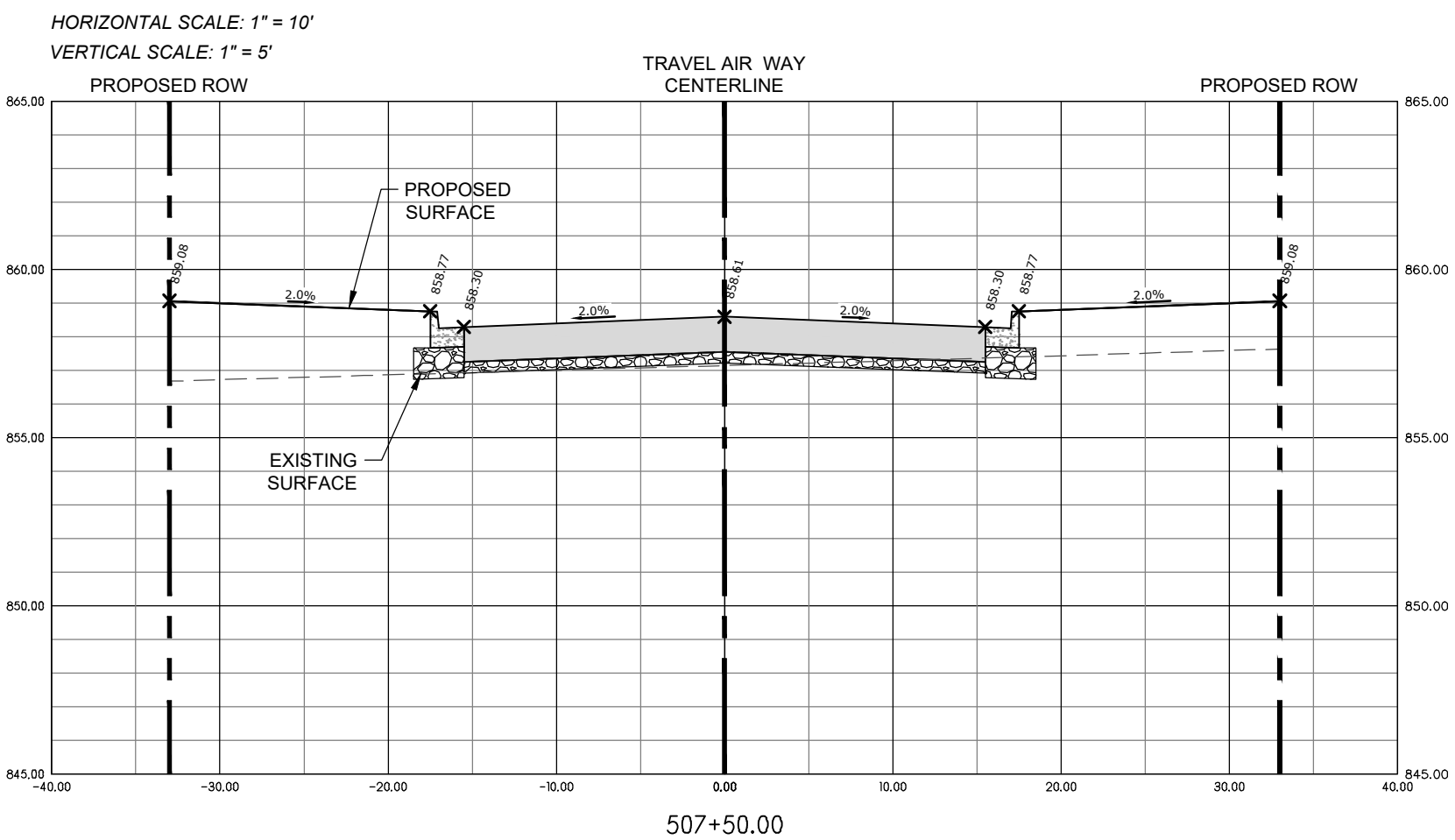
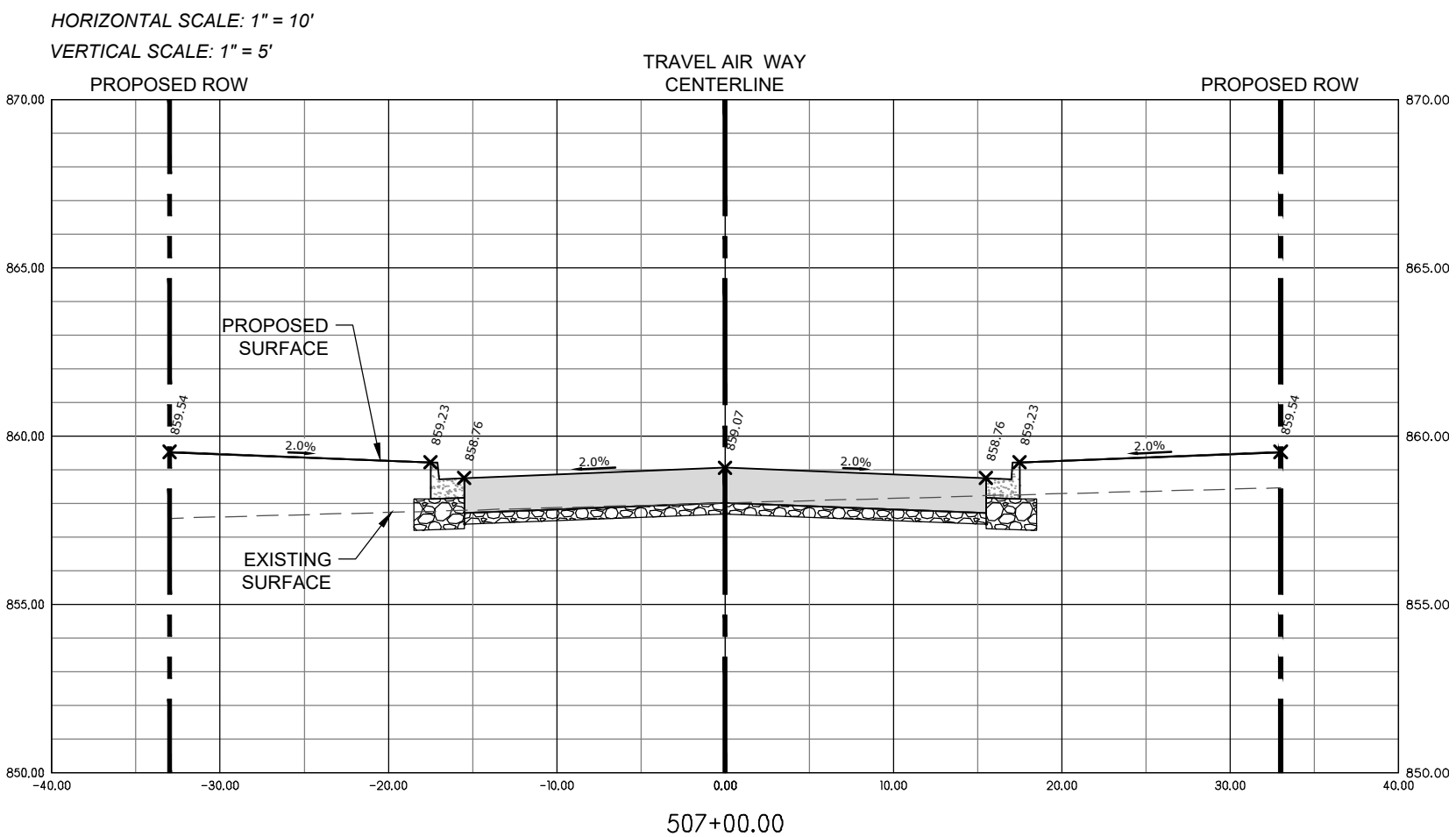
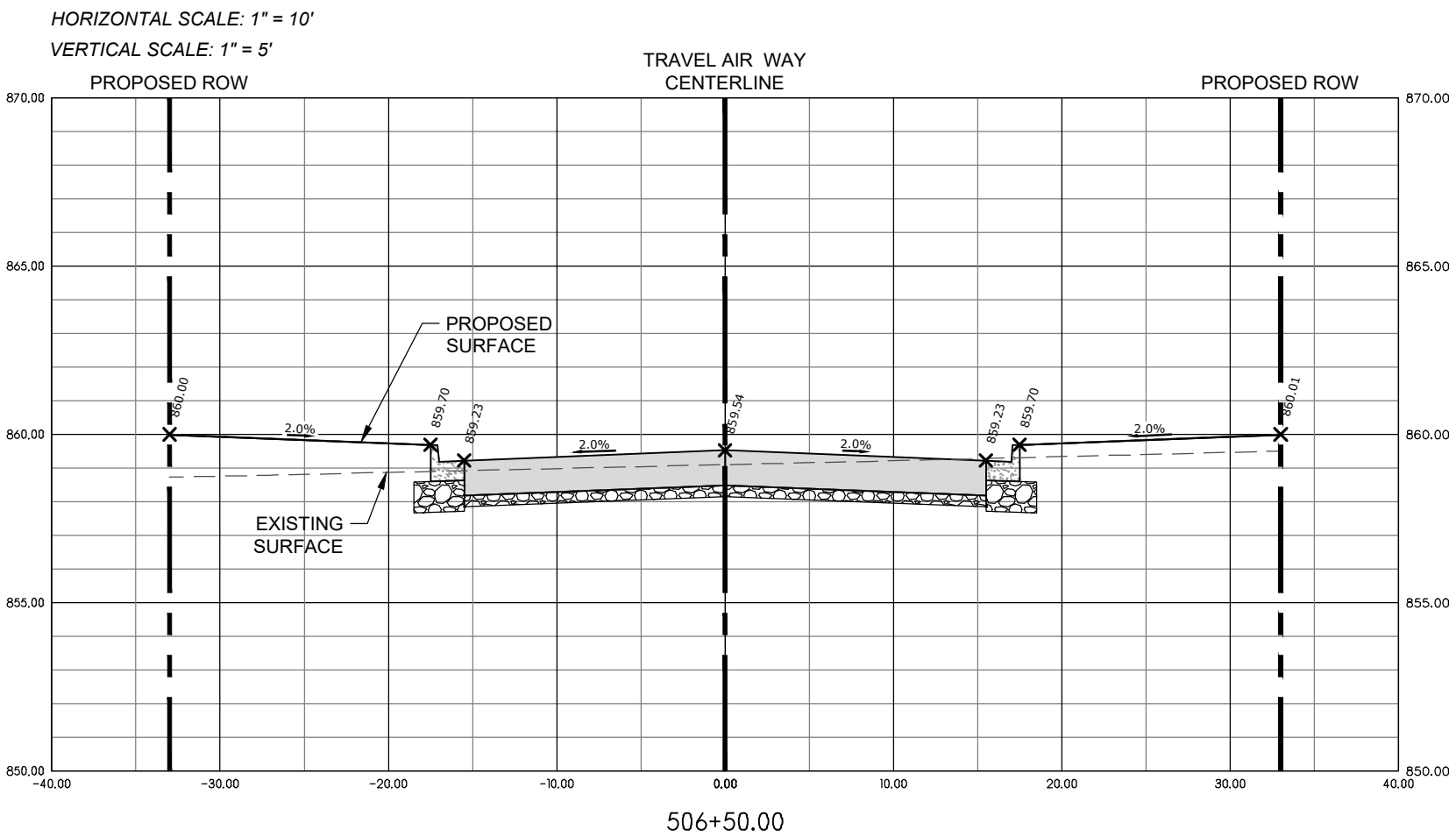
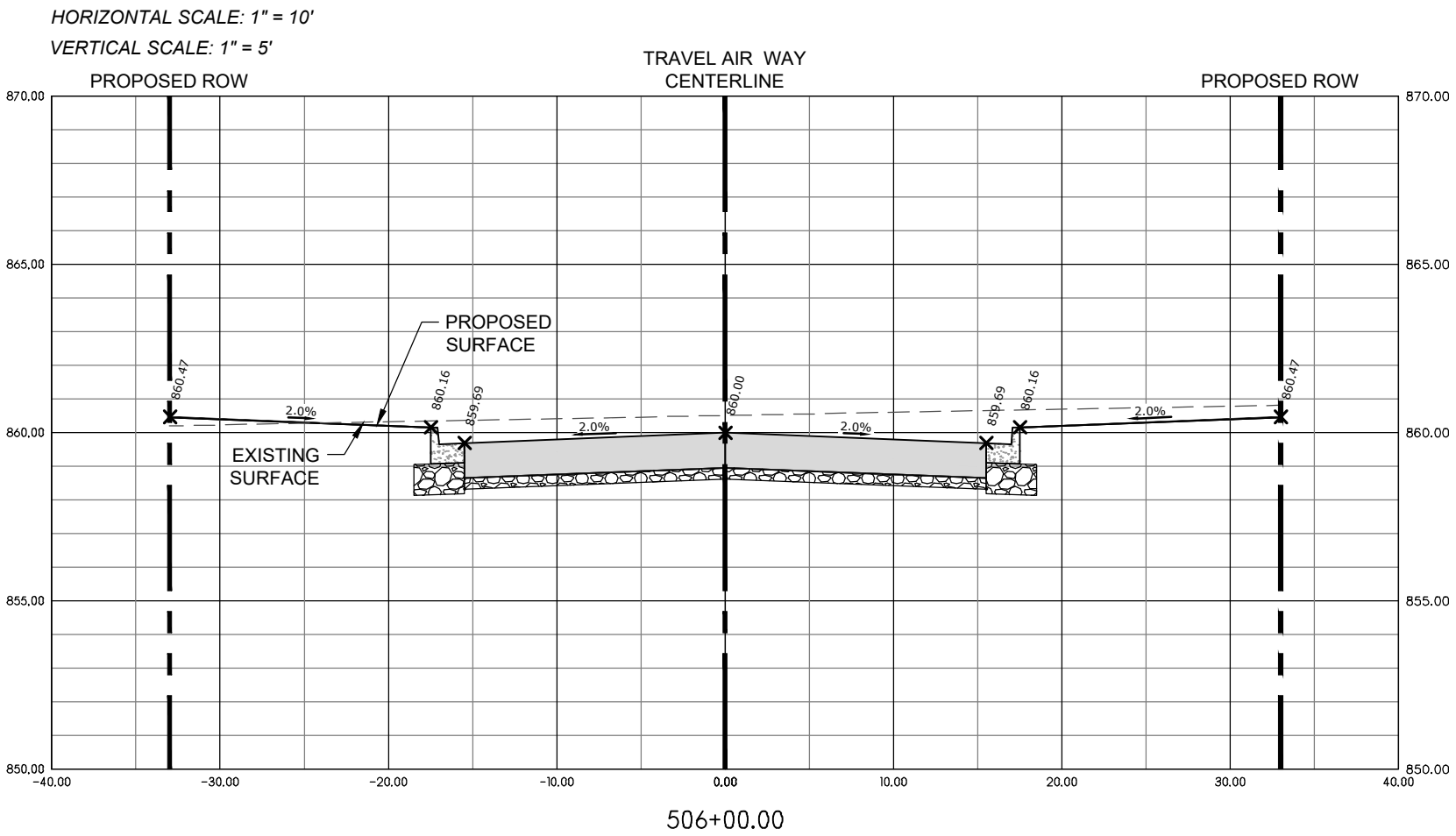
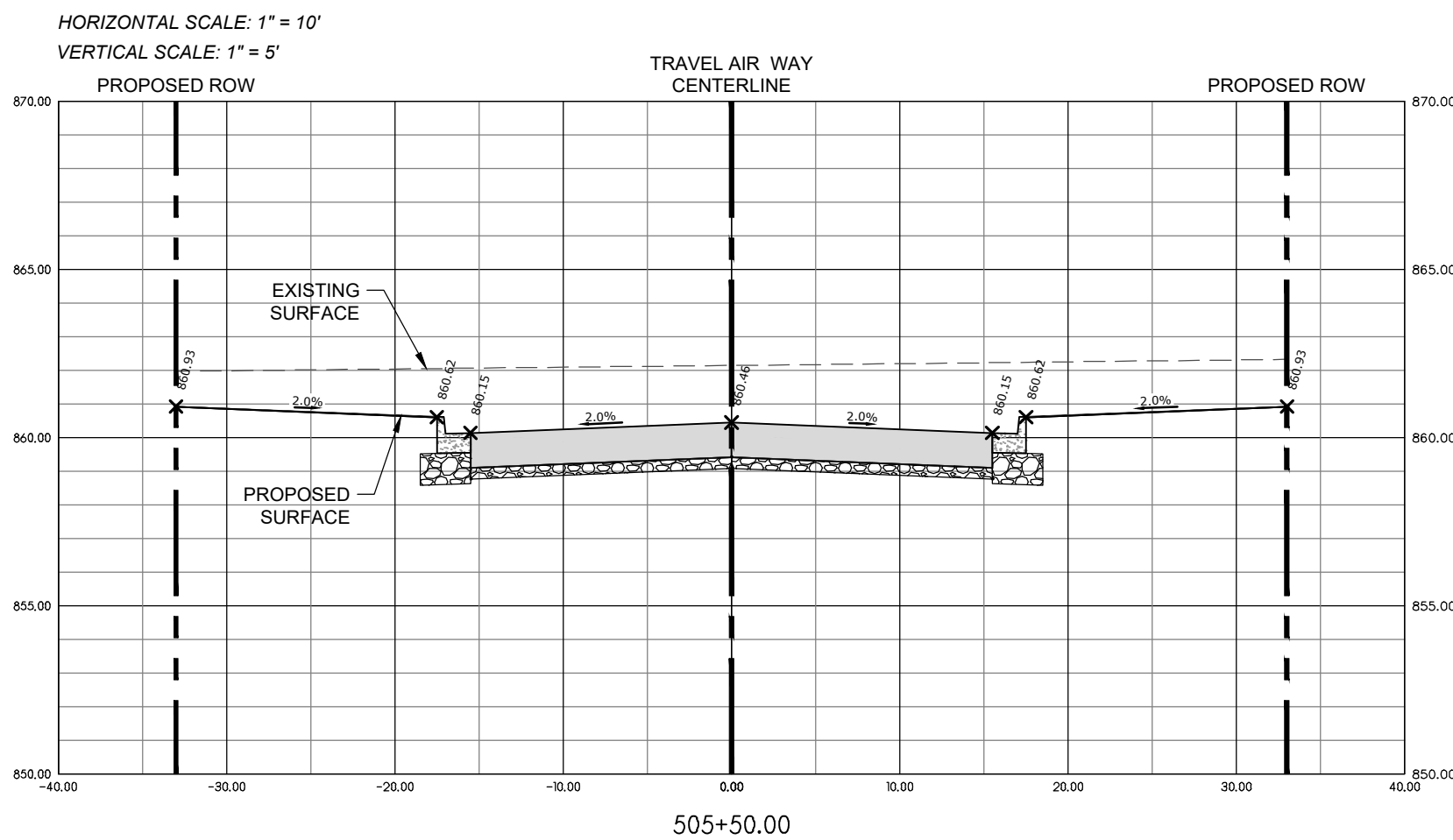
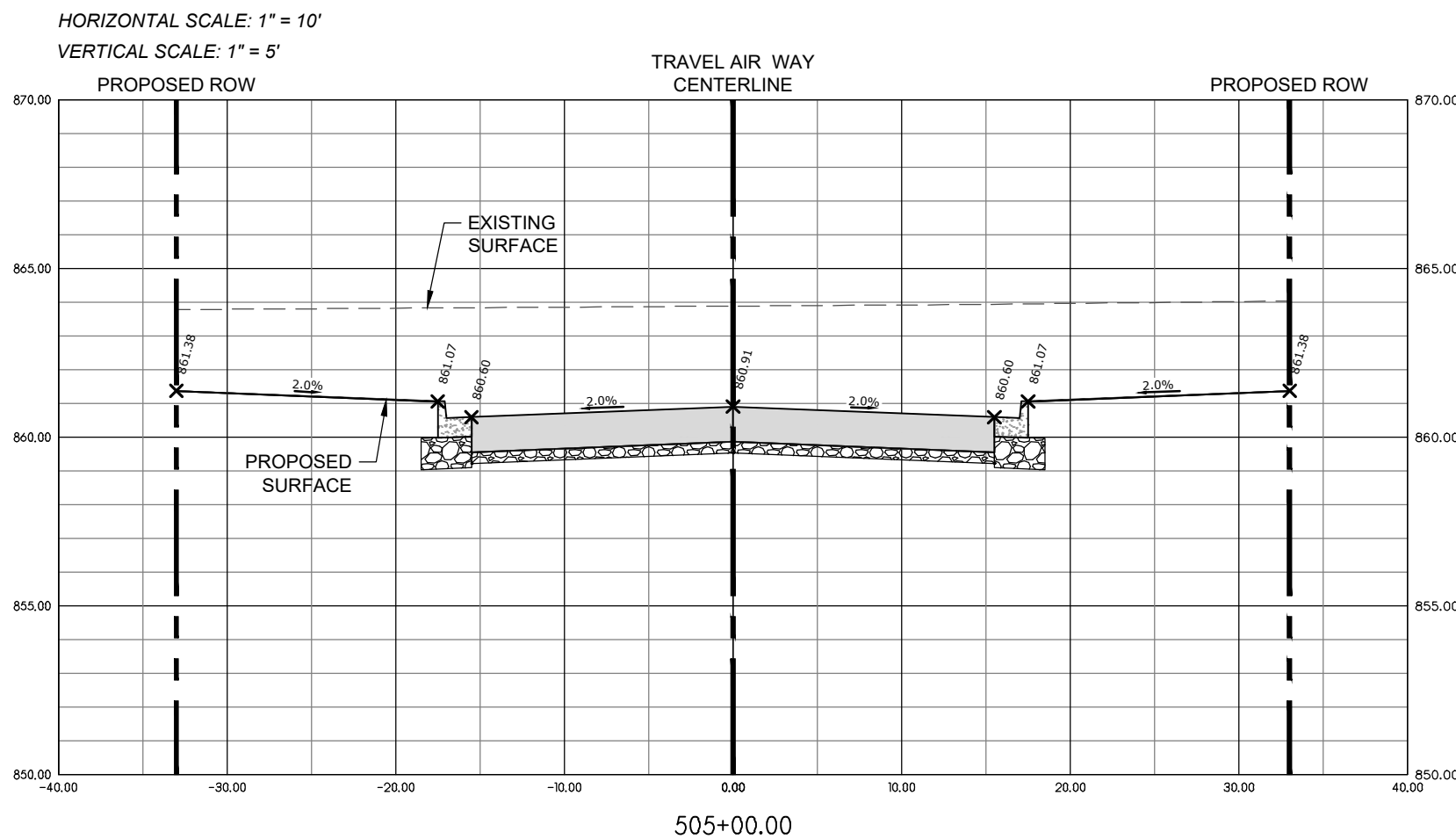
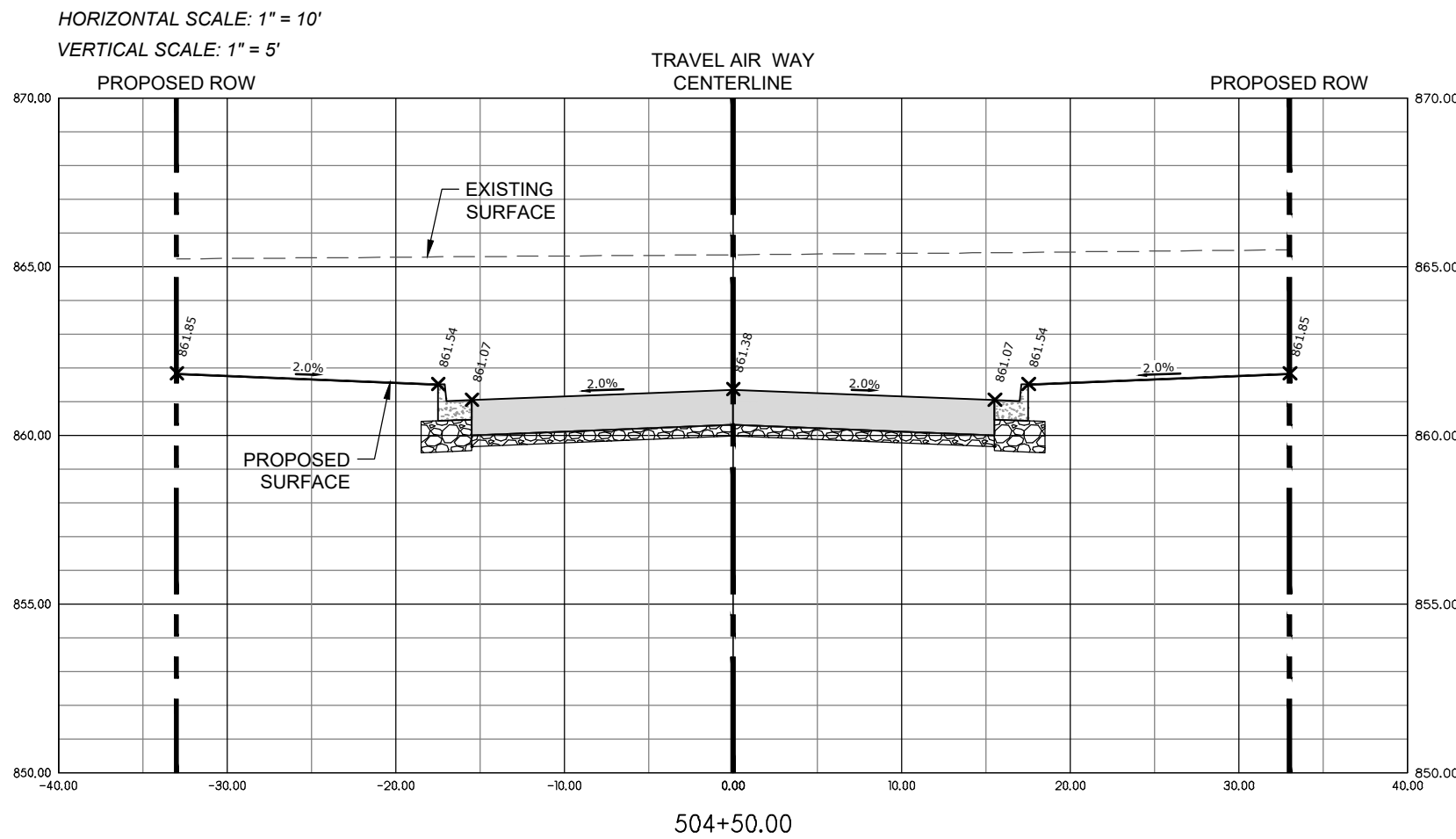
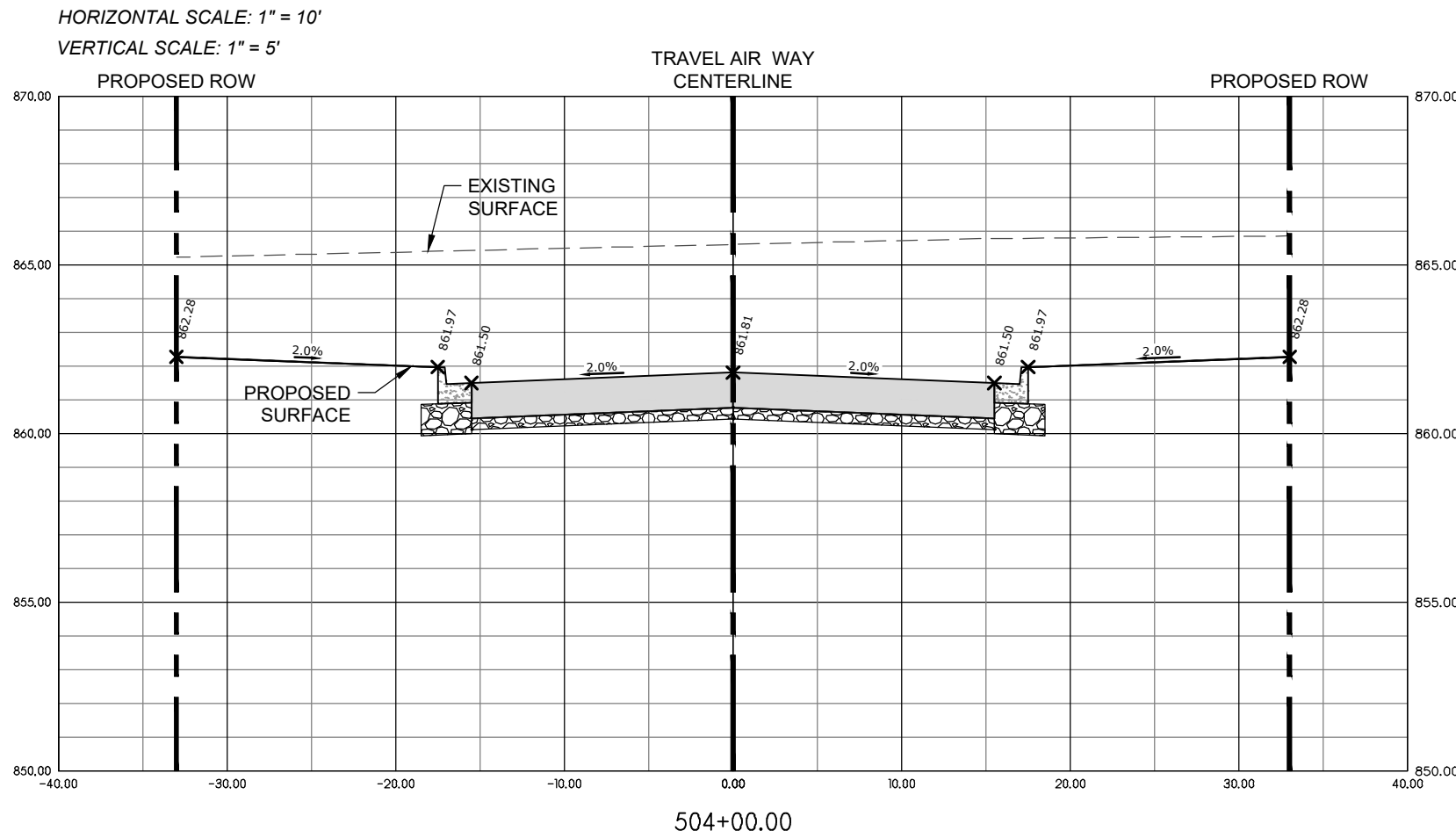
TRAVEL AIR WAY
CROSS SECTIONS
504+00 - 507+50

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-44



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
AGENCY REVIEW	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---

REVISIONS

1.	2.	3.	4.	5.	6.
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

SHEET TITLE

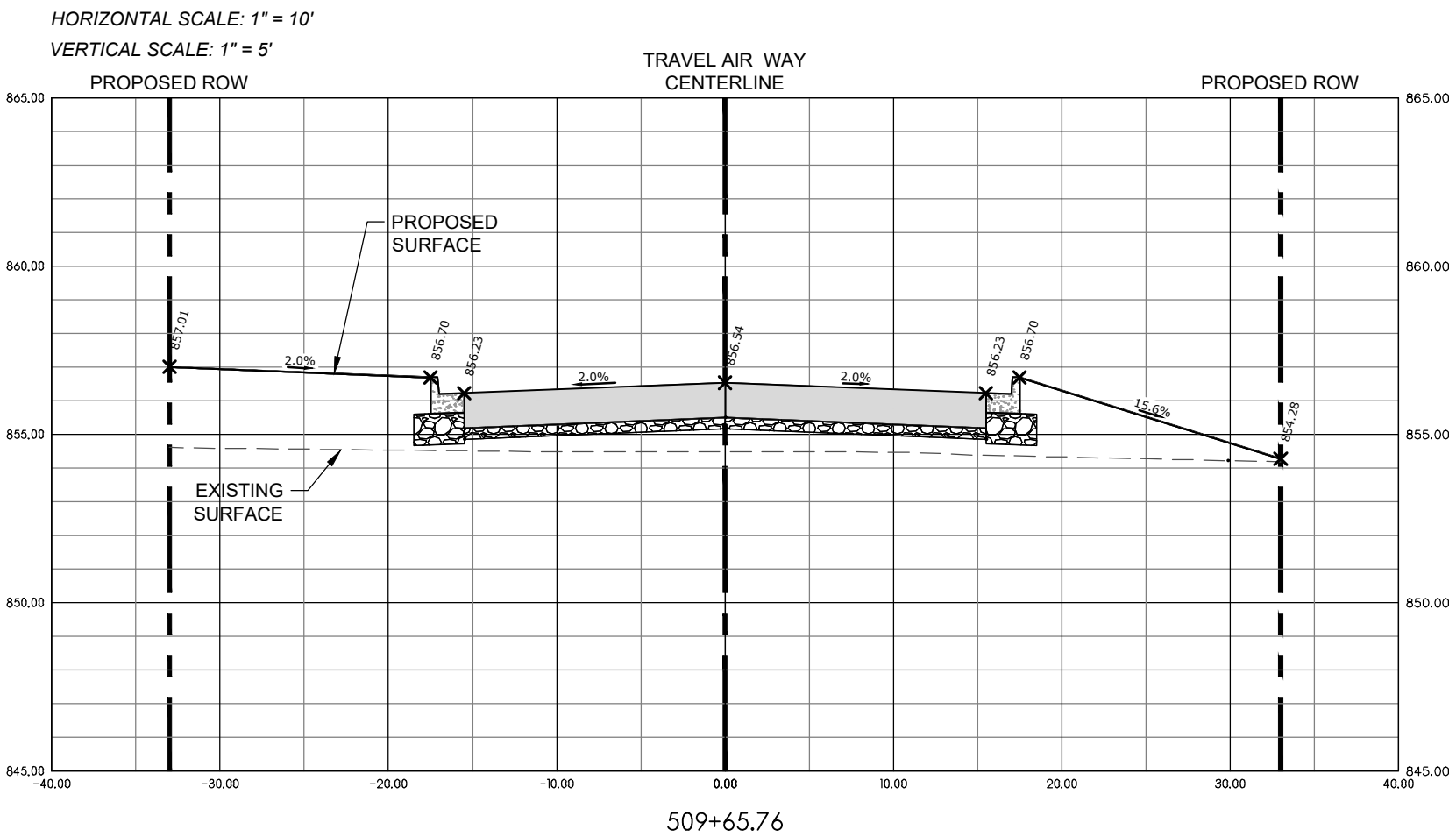
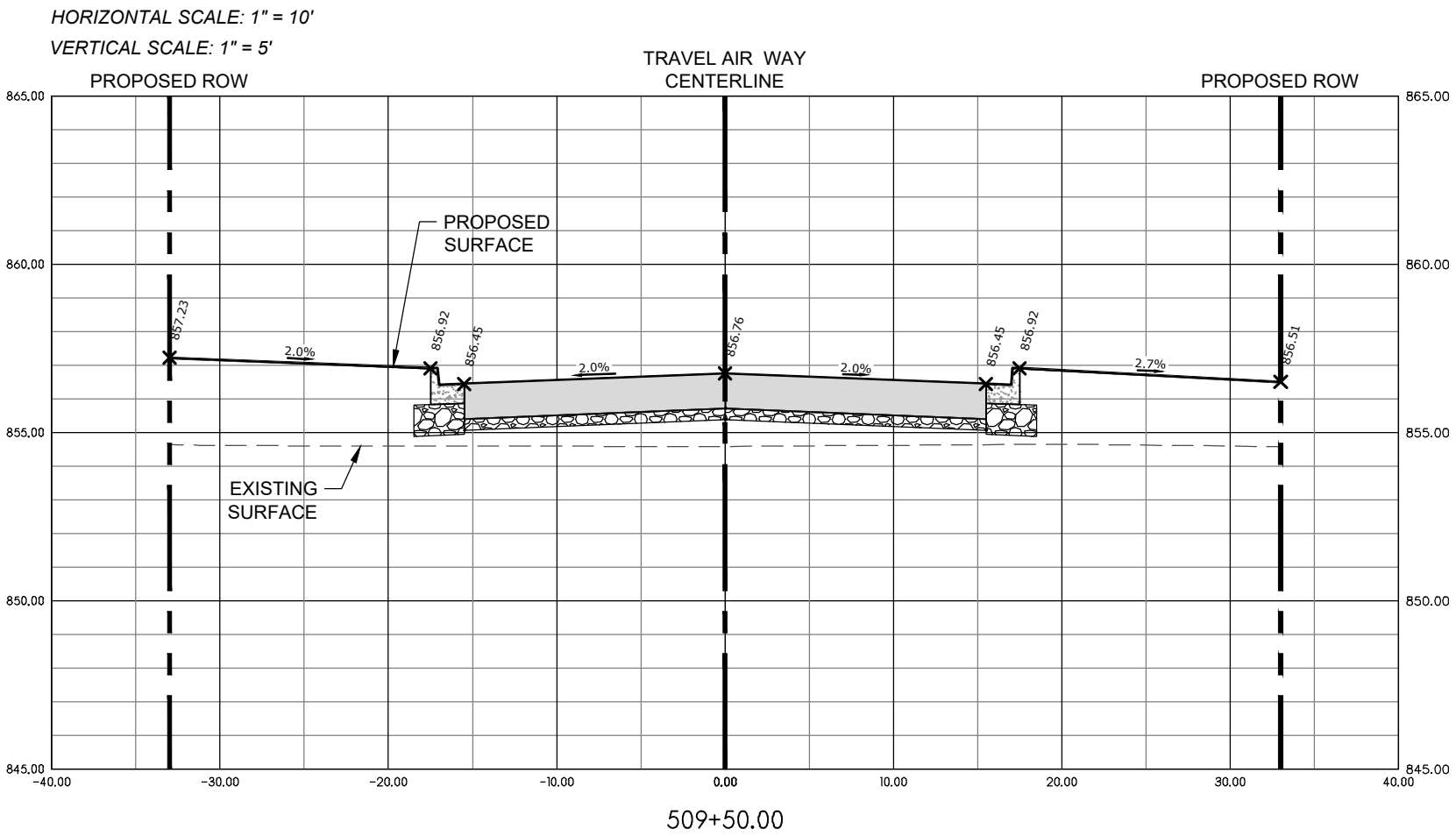
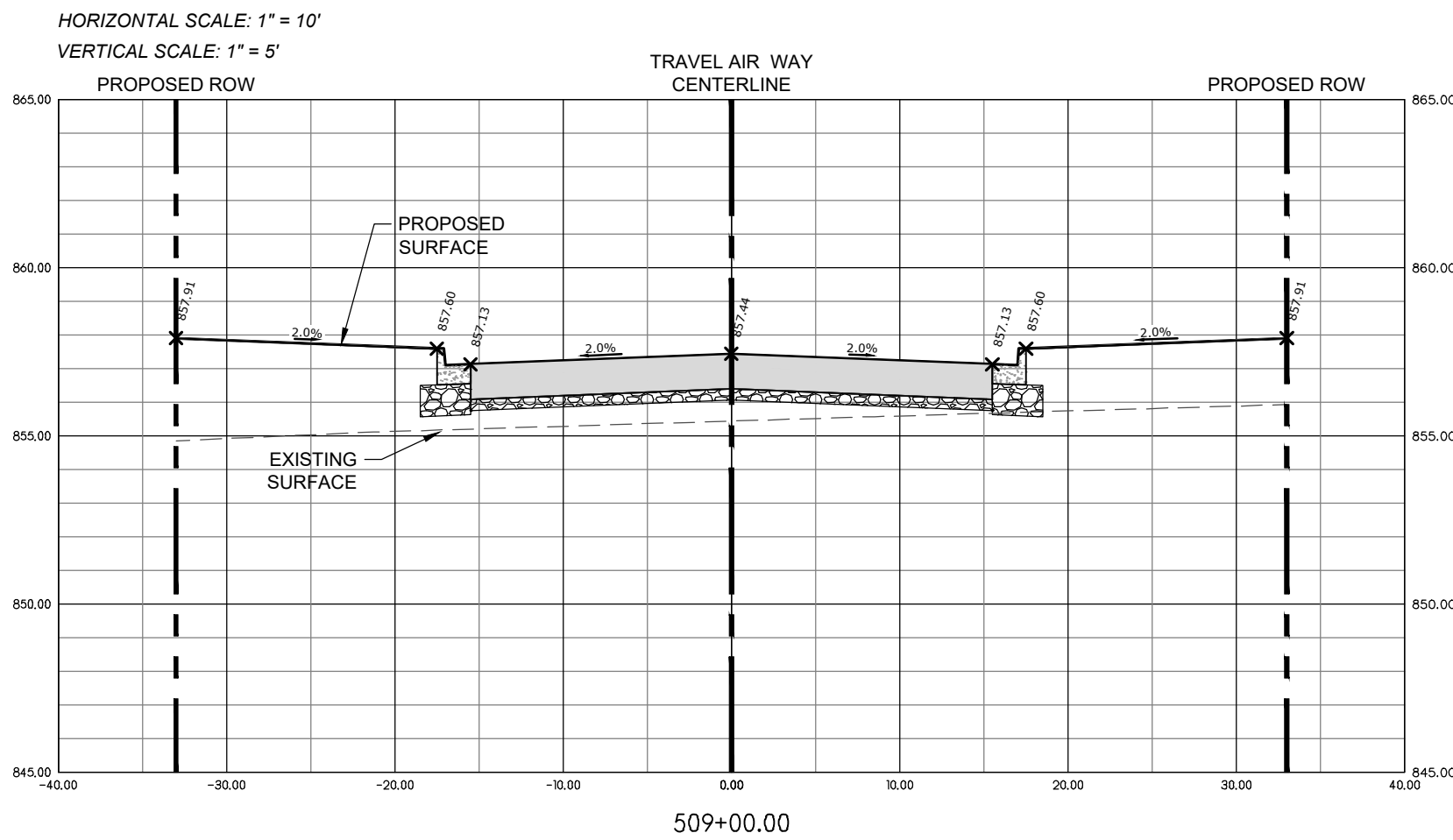
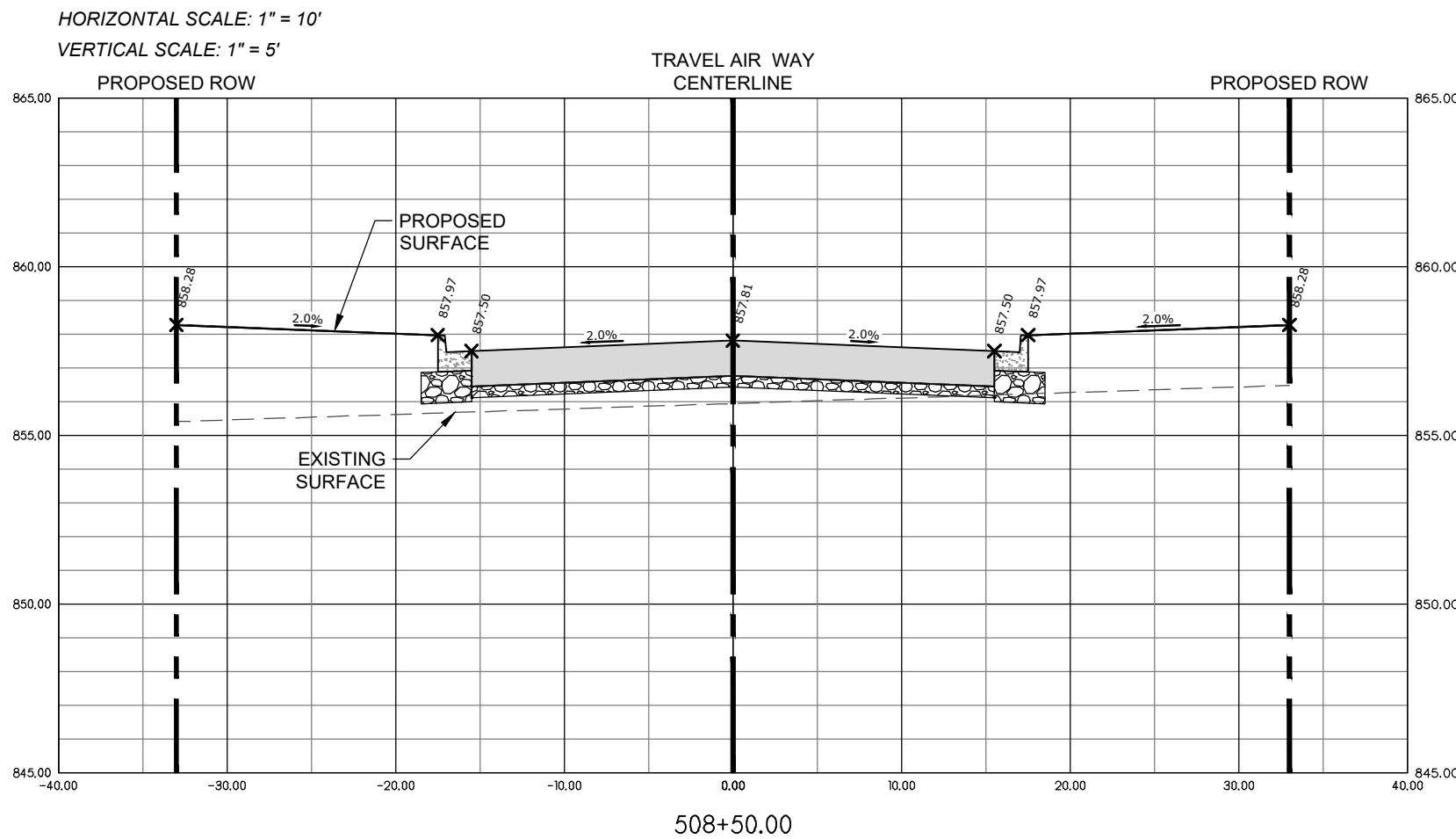
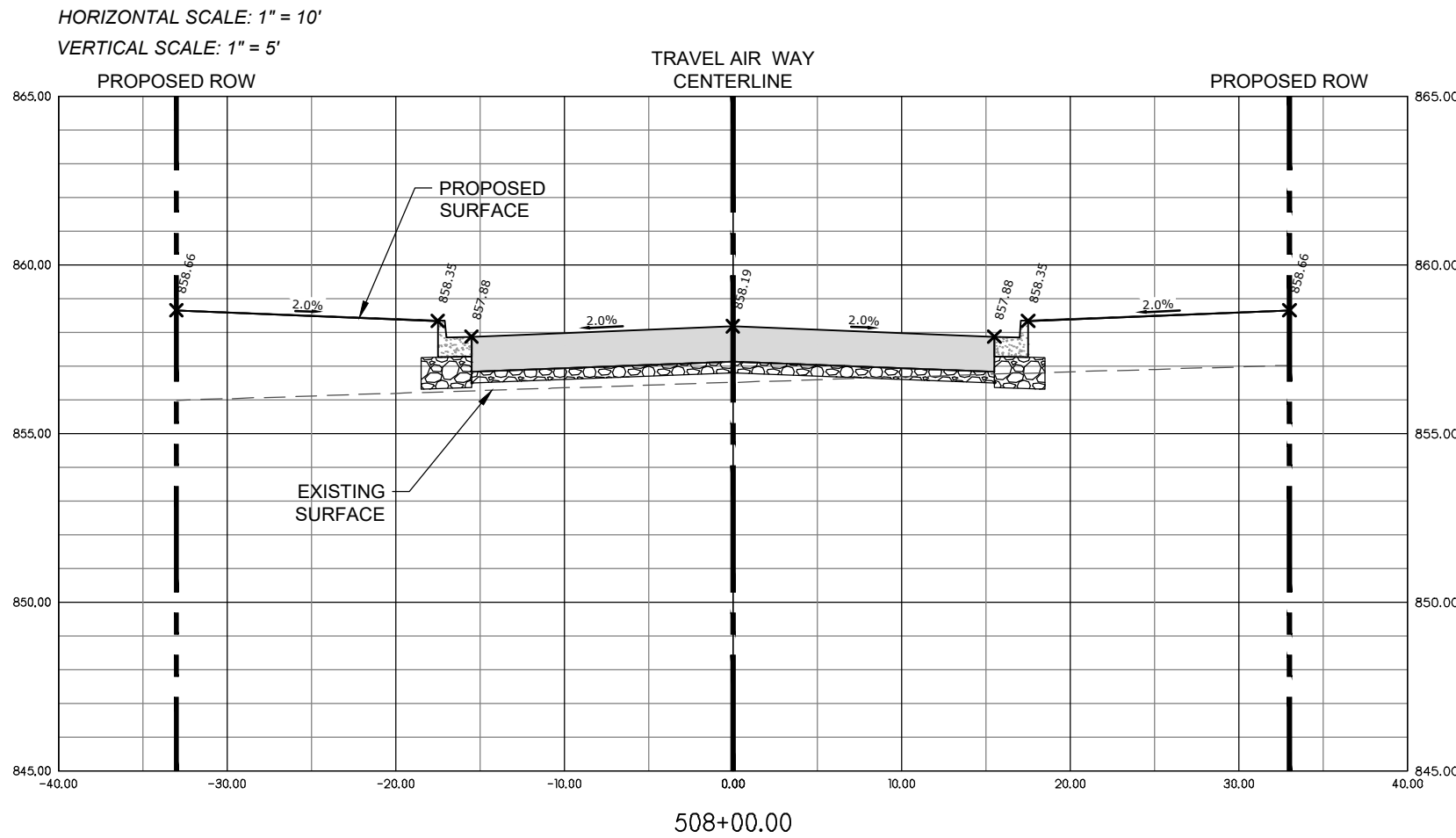
TRAVEL AIR WAY
CROSS SECTIONS
508+00 - 509+65.76

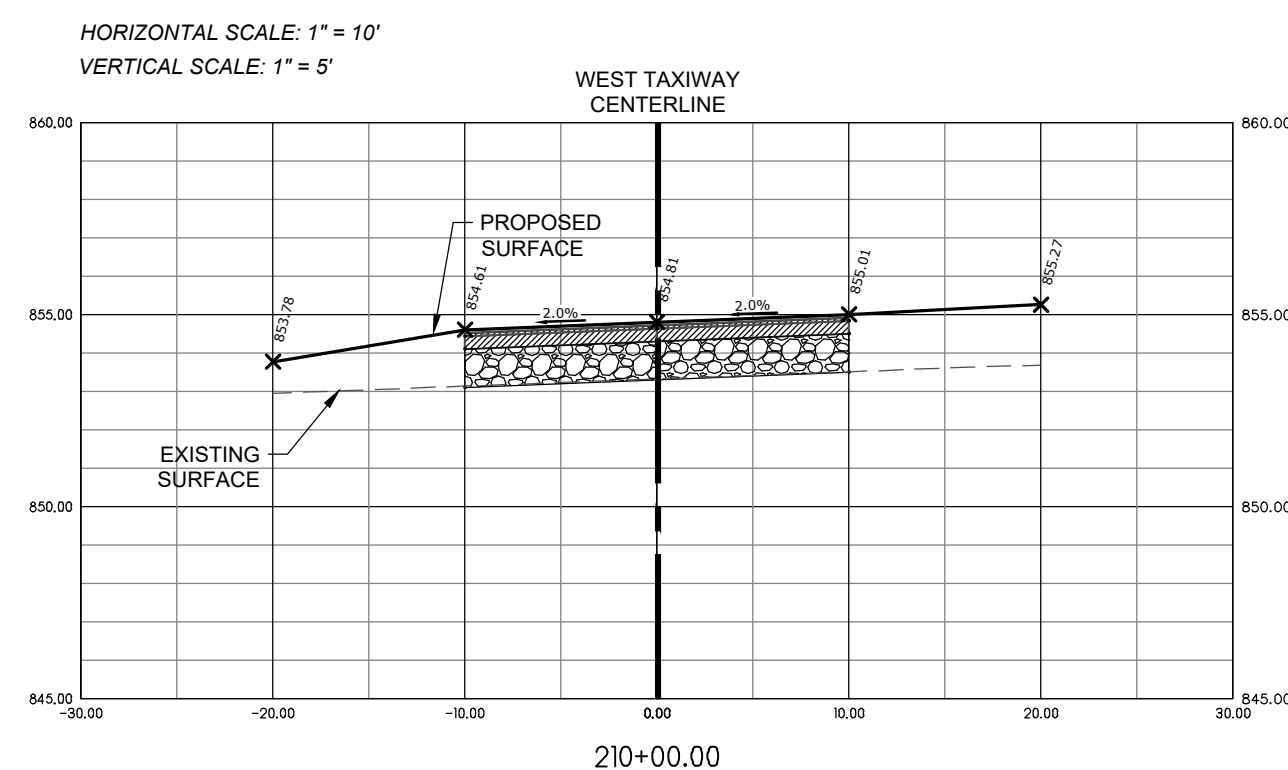
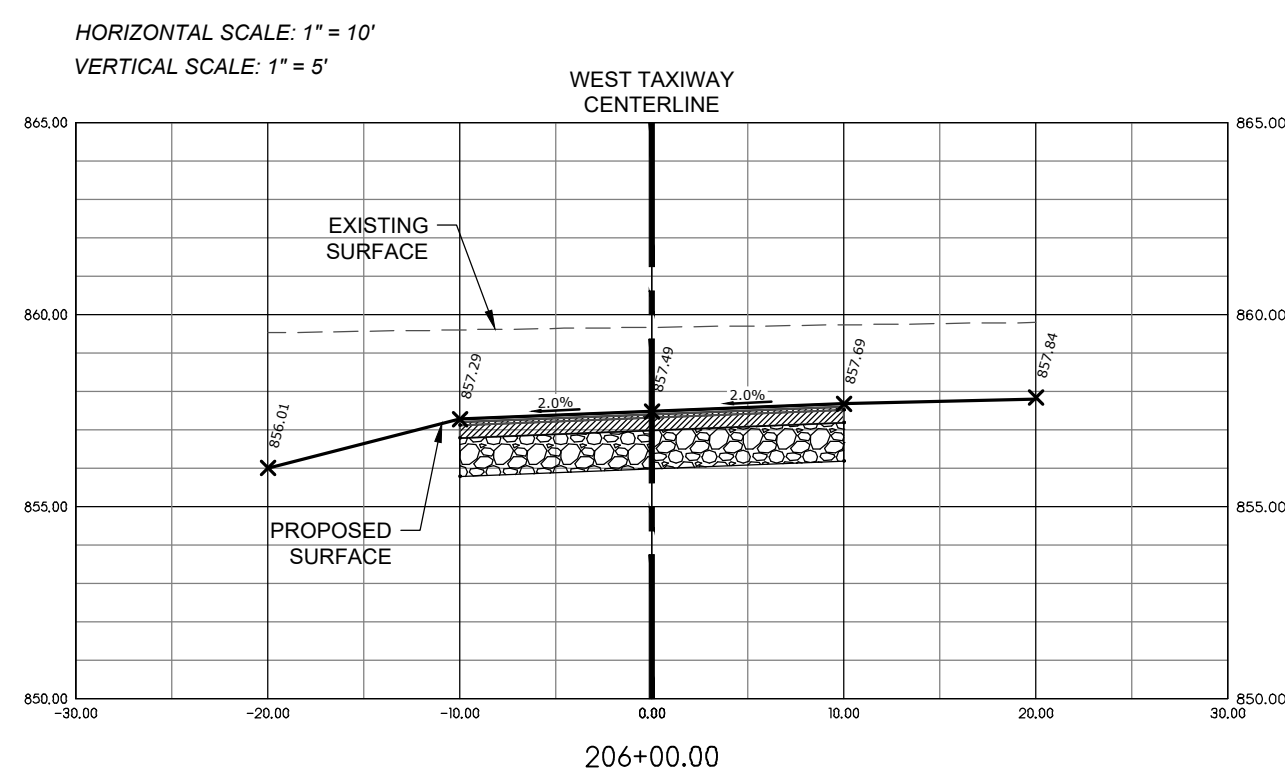
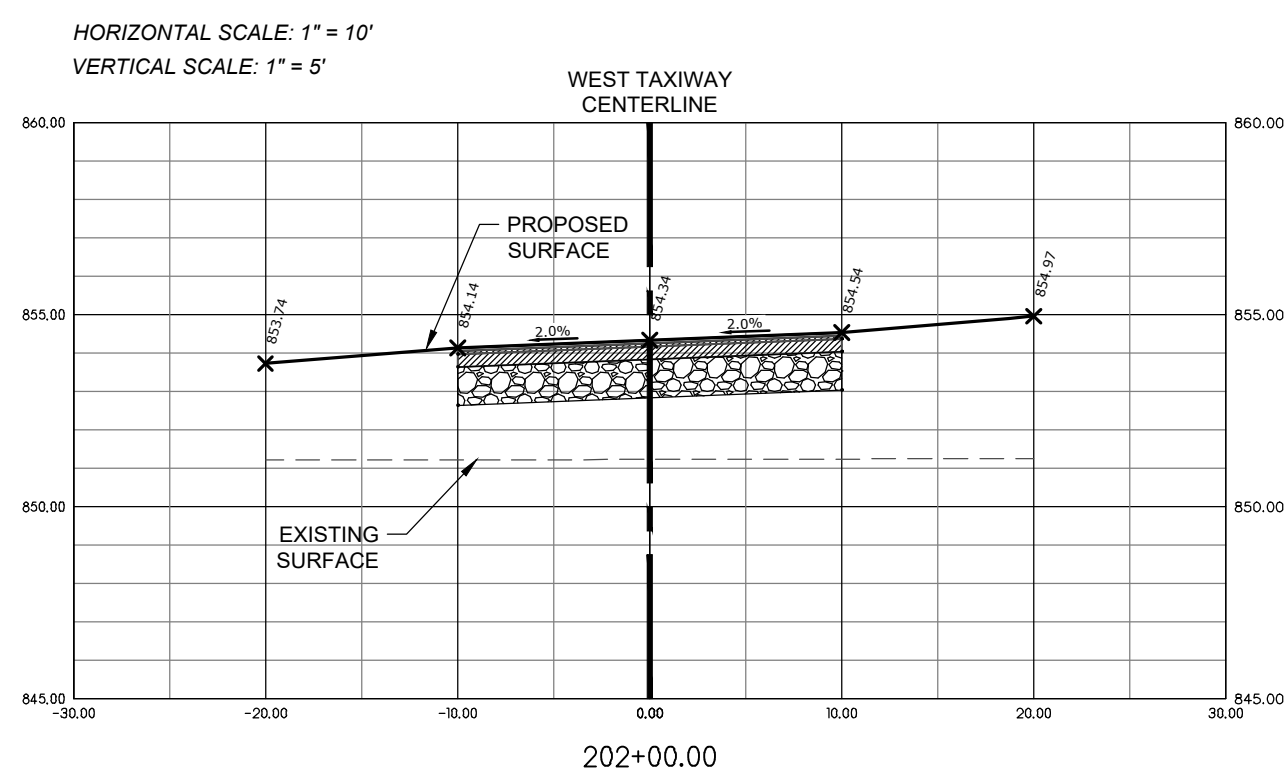
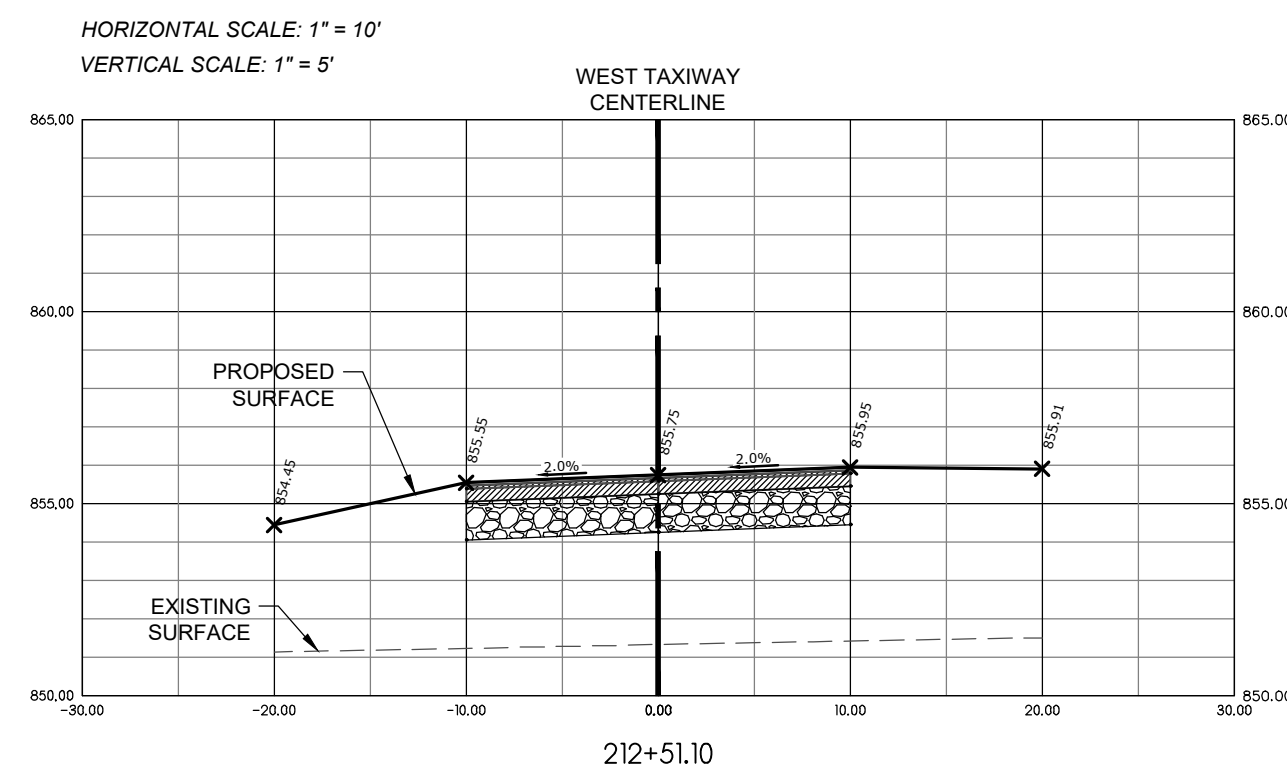
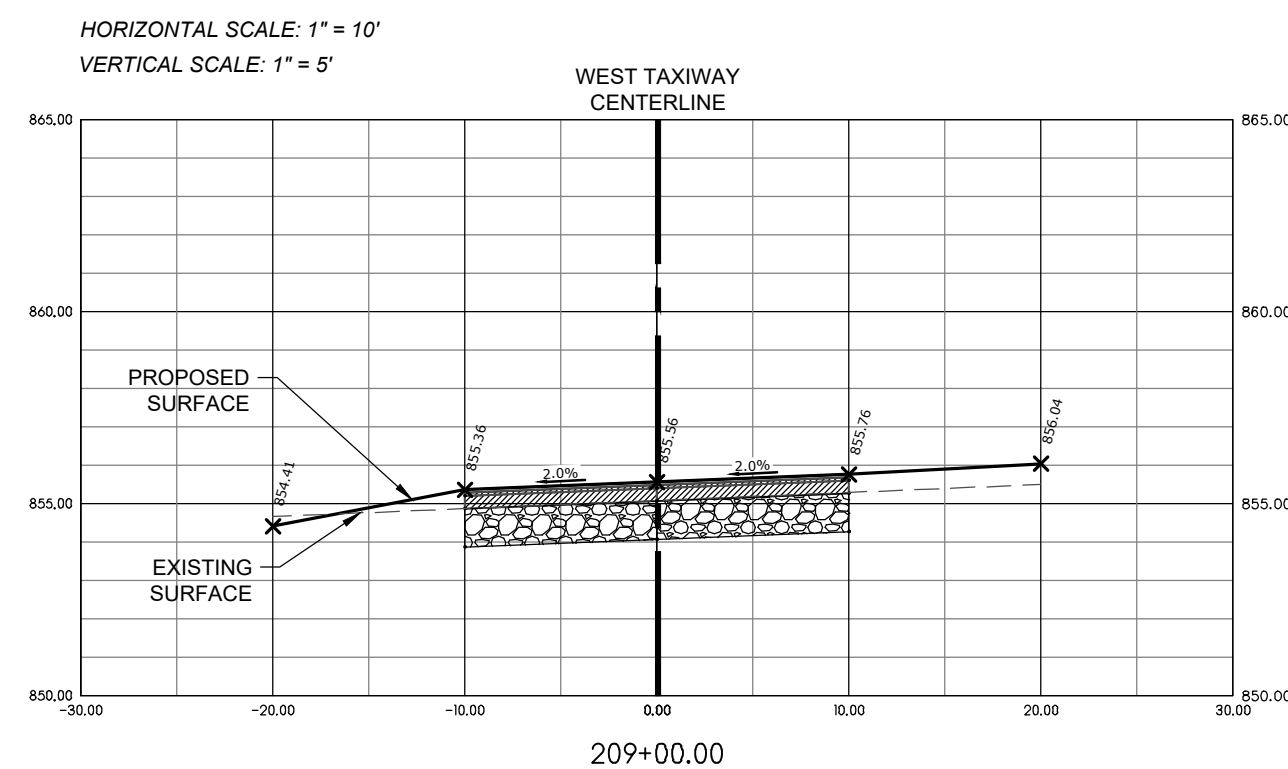
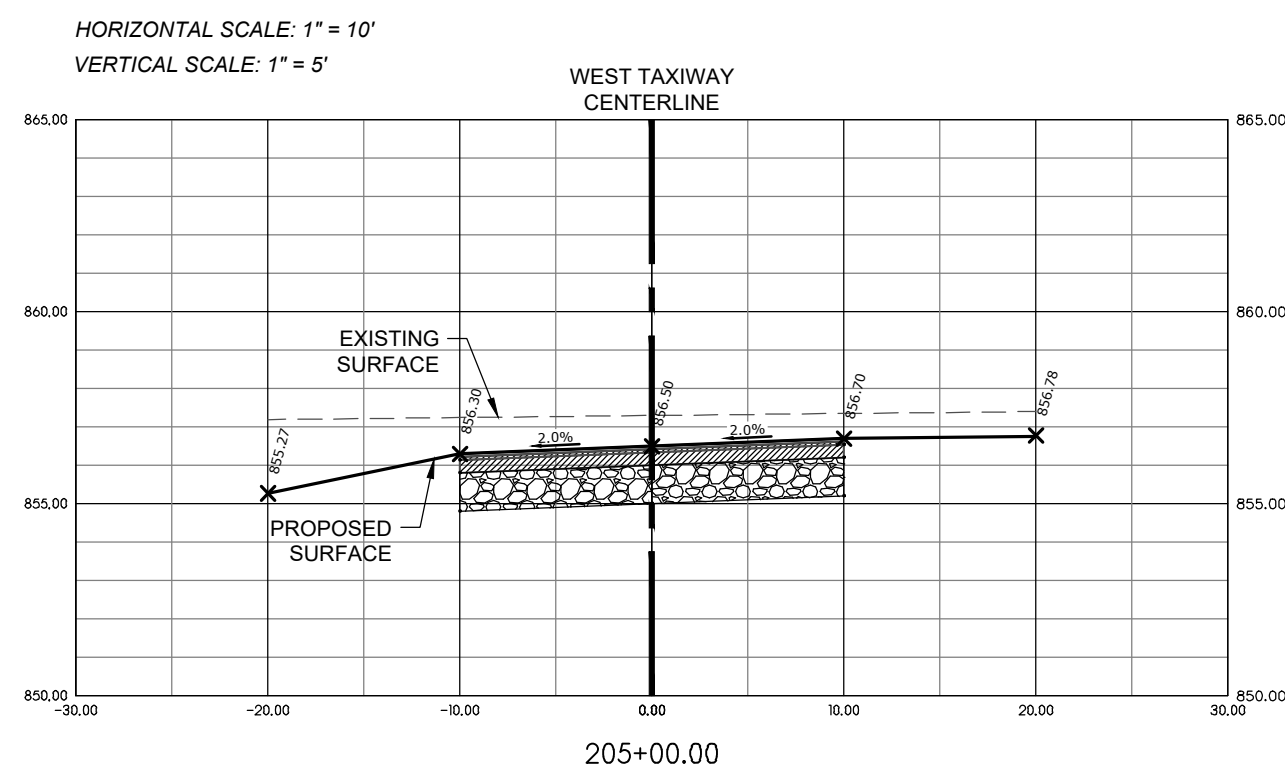
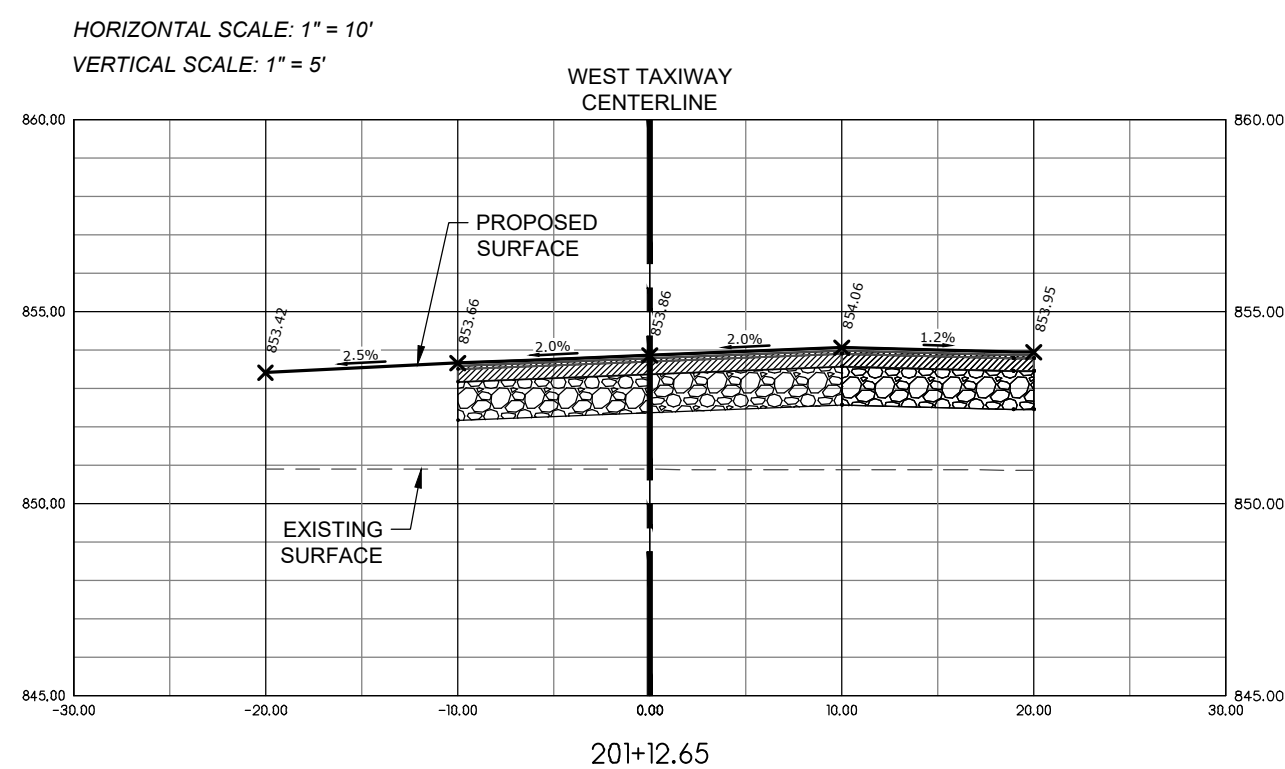
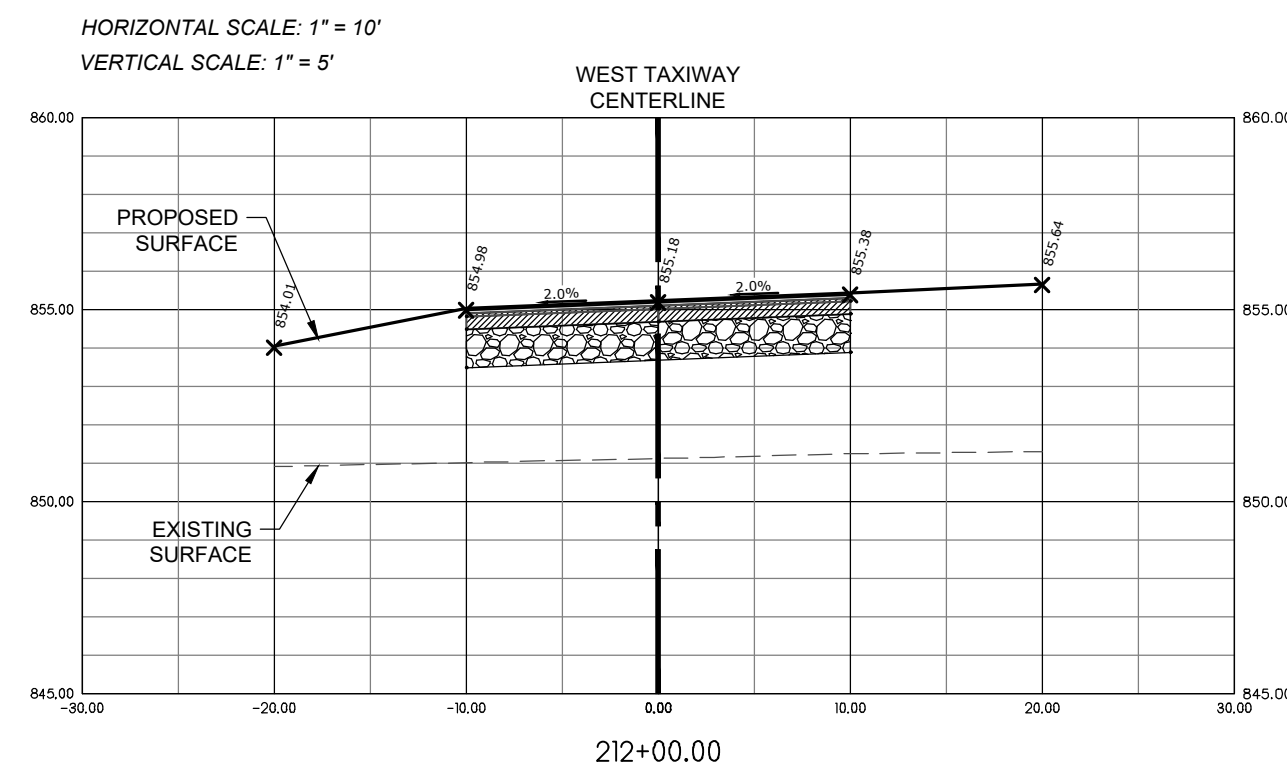
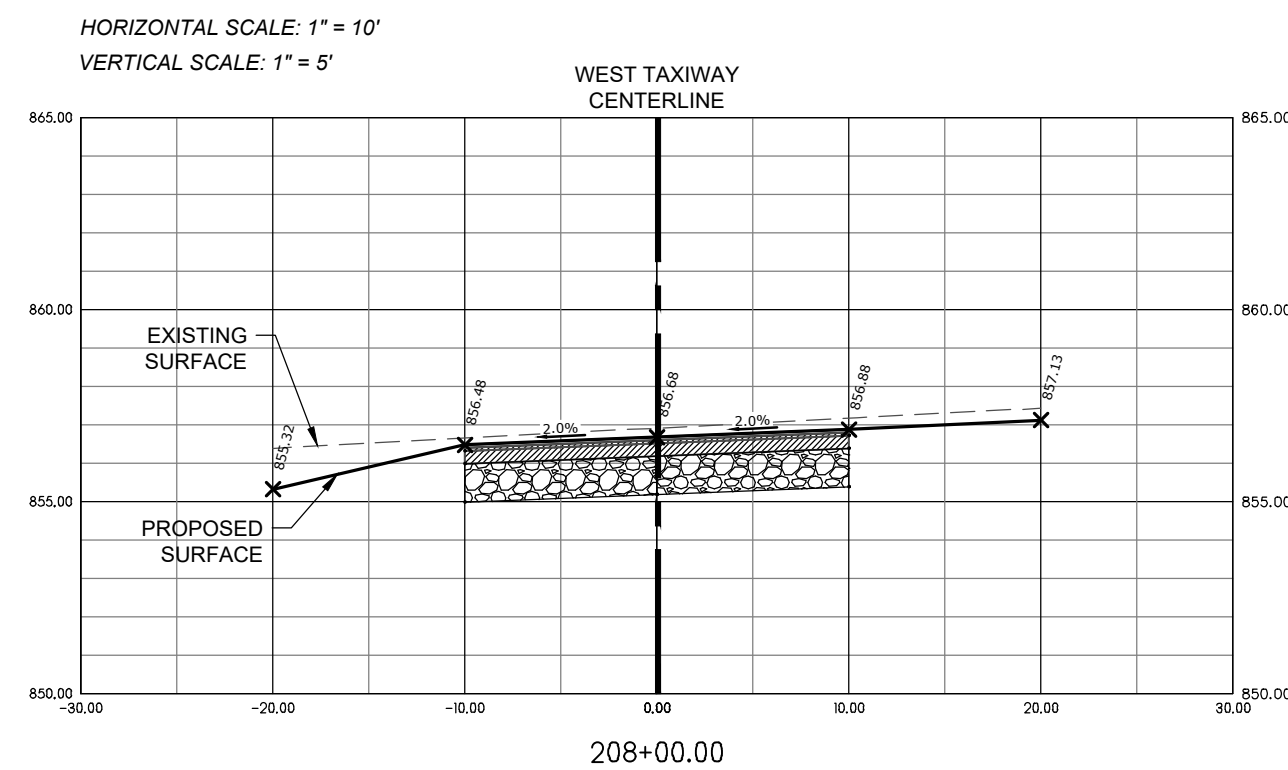
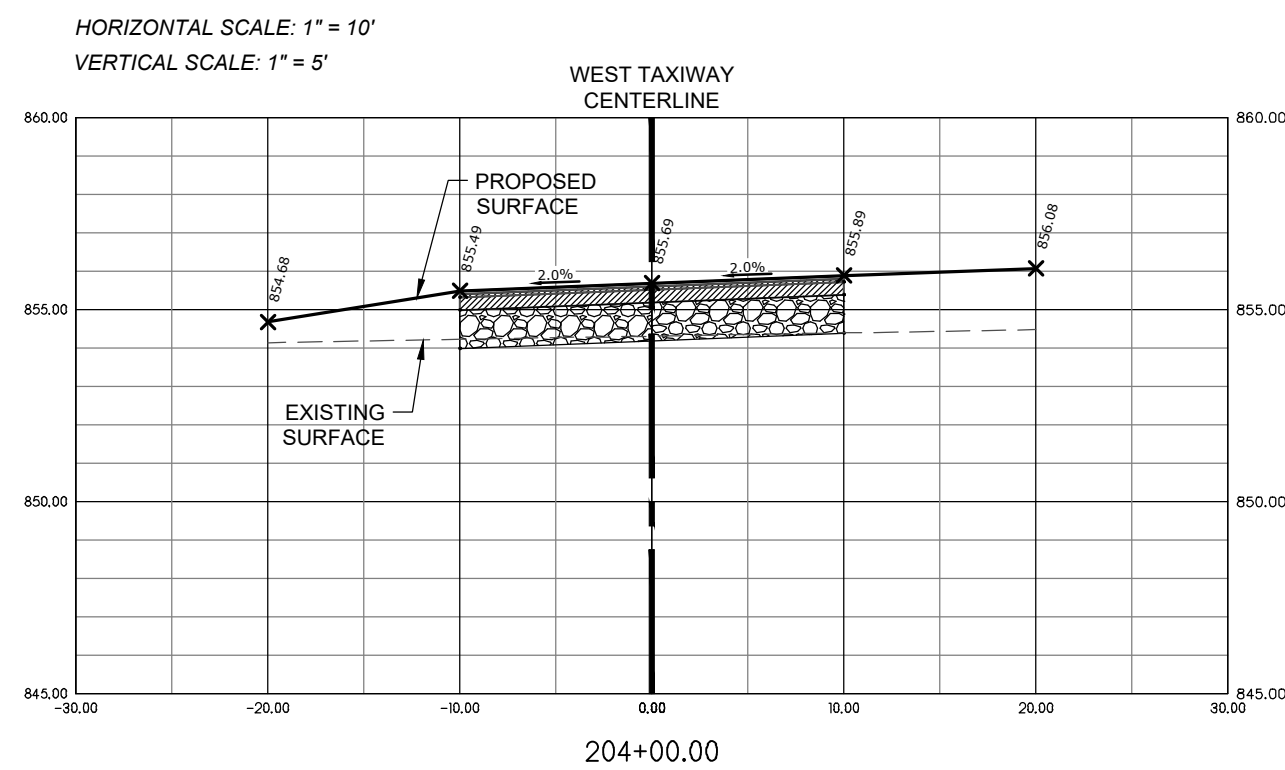
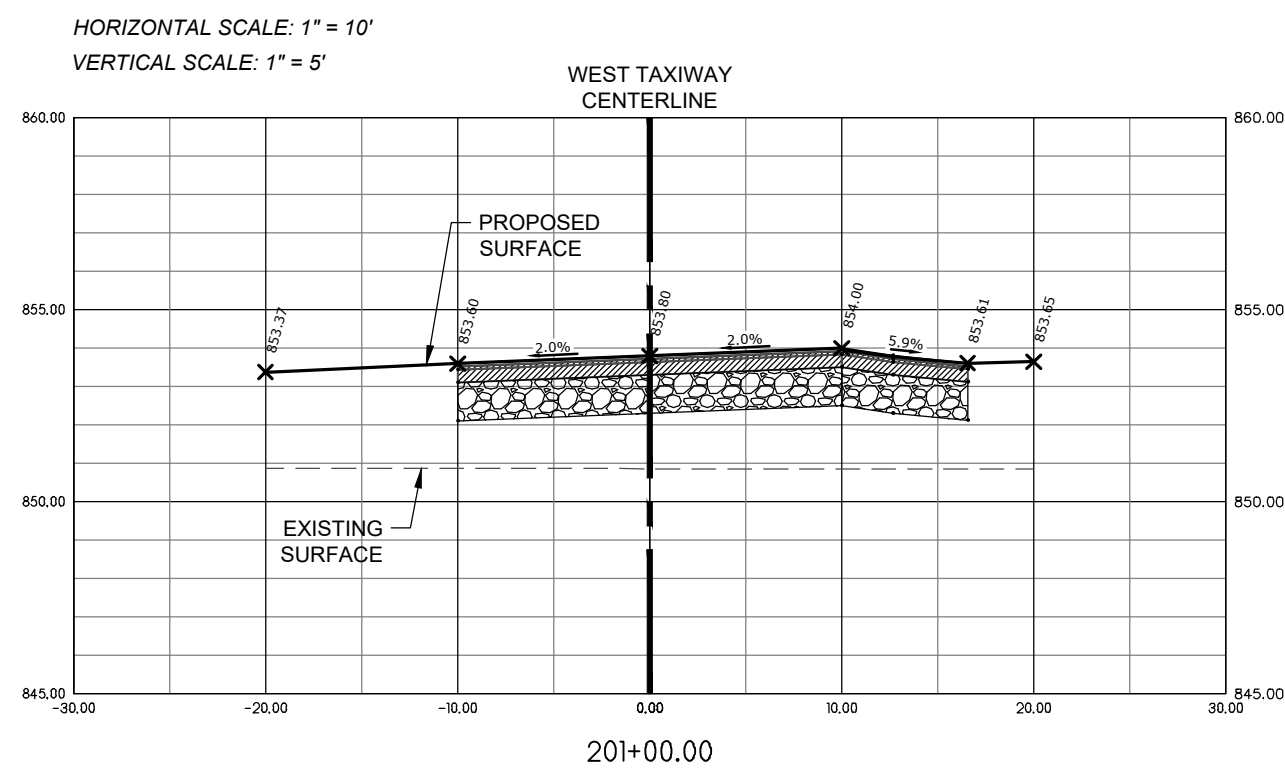
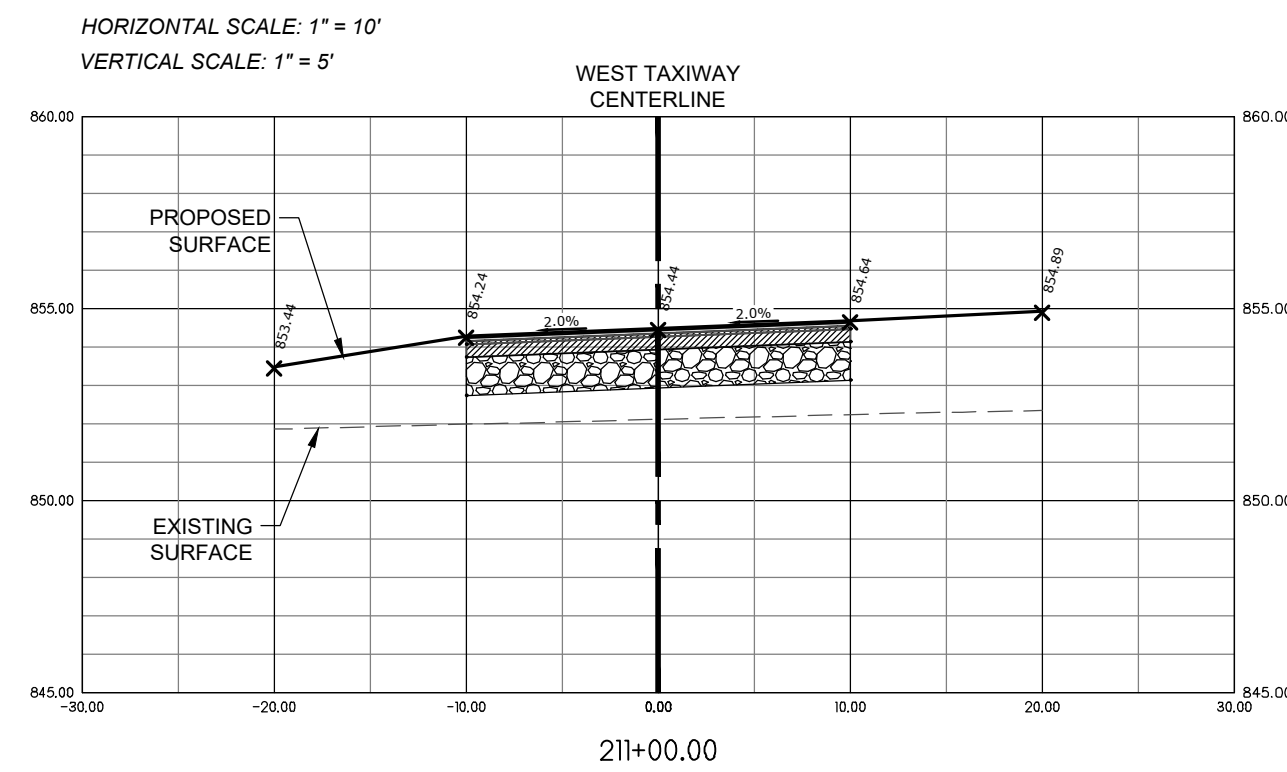
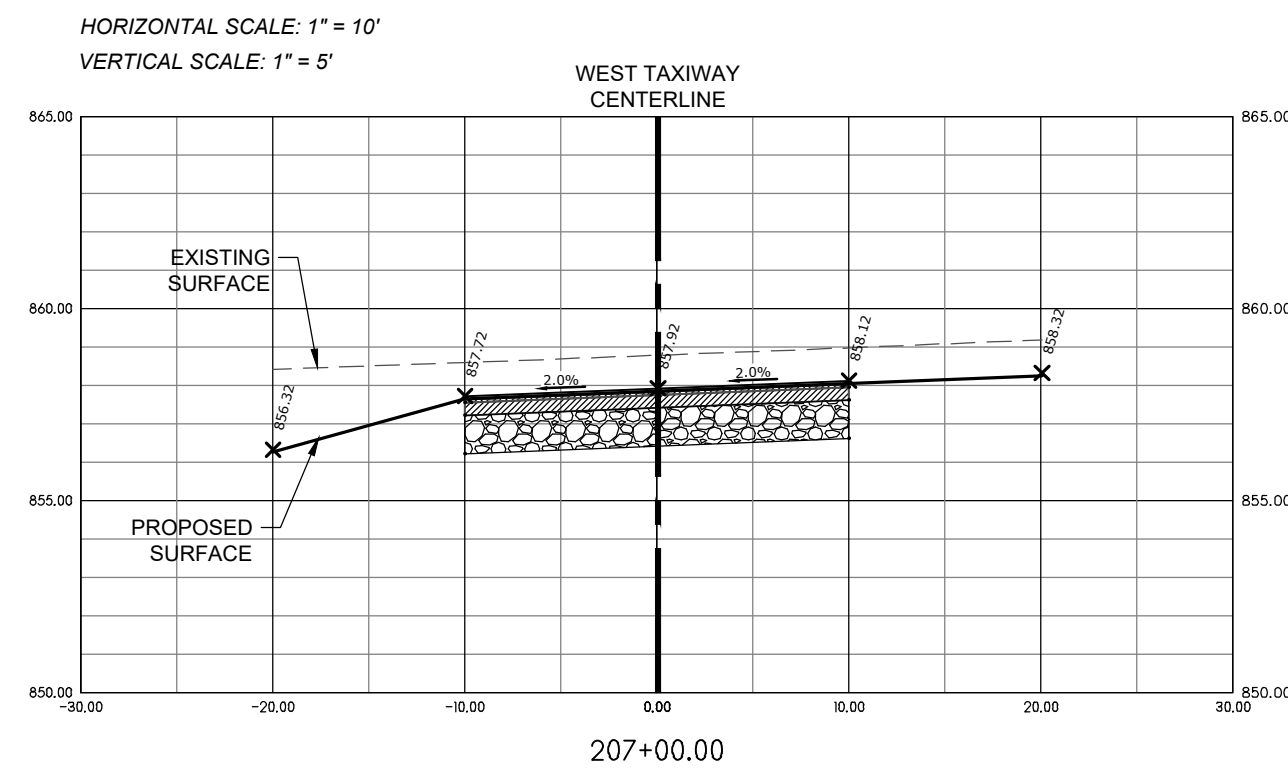
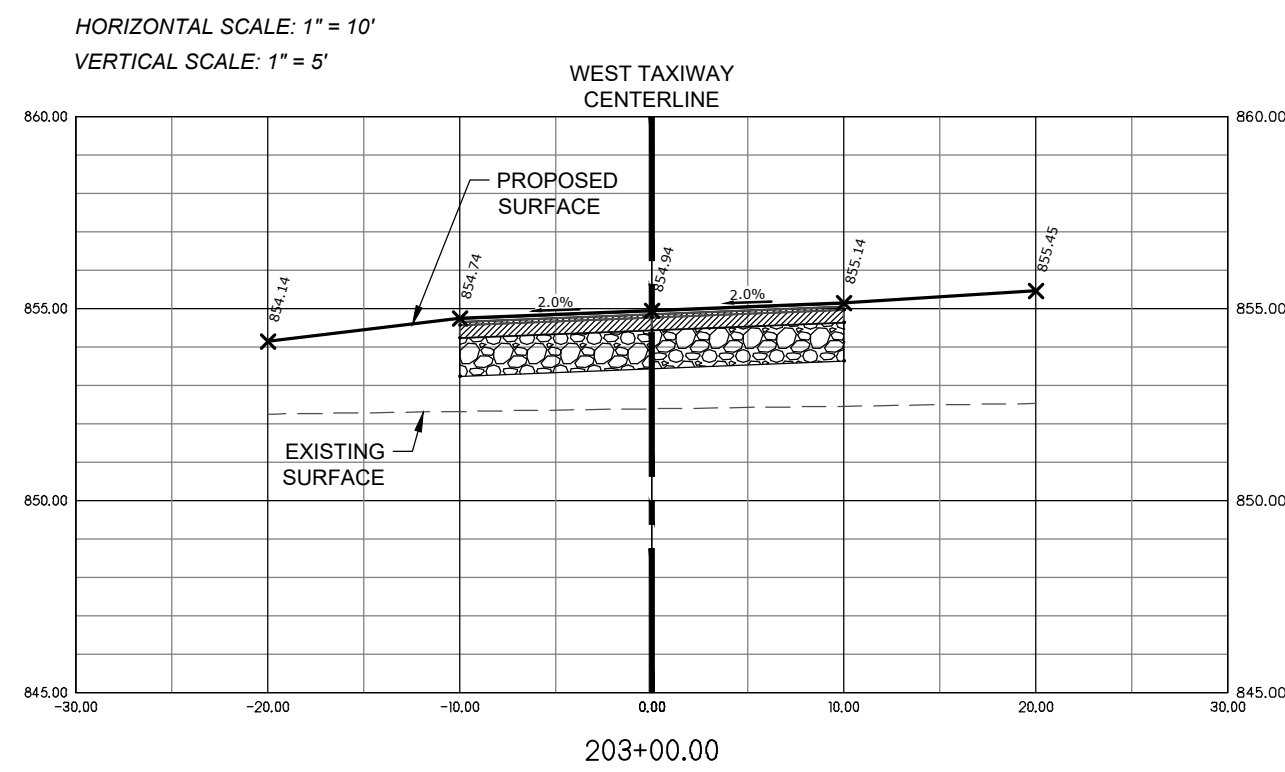
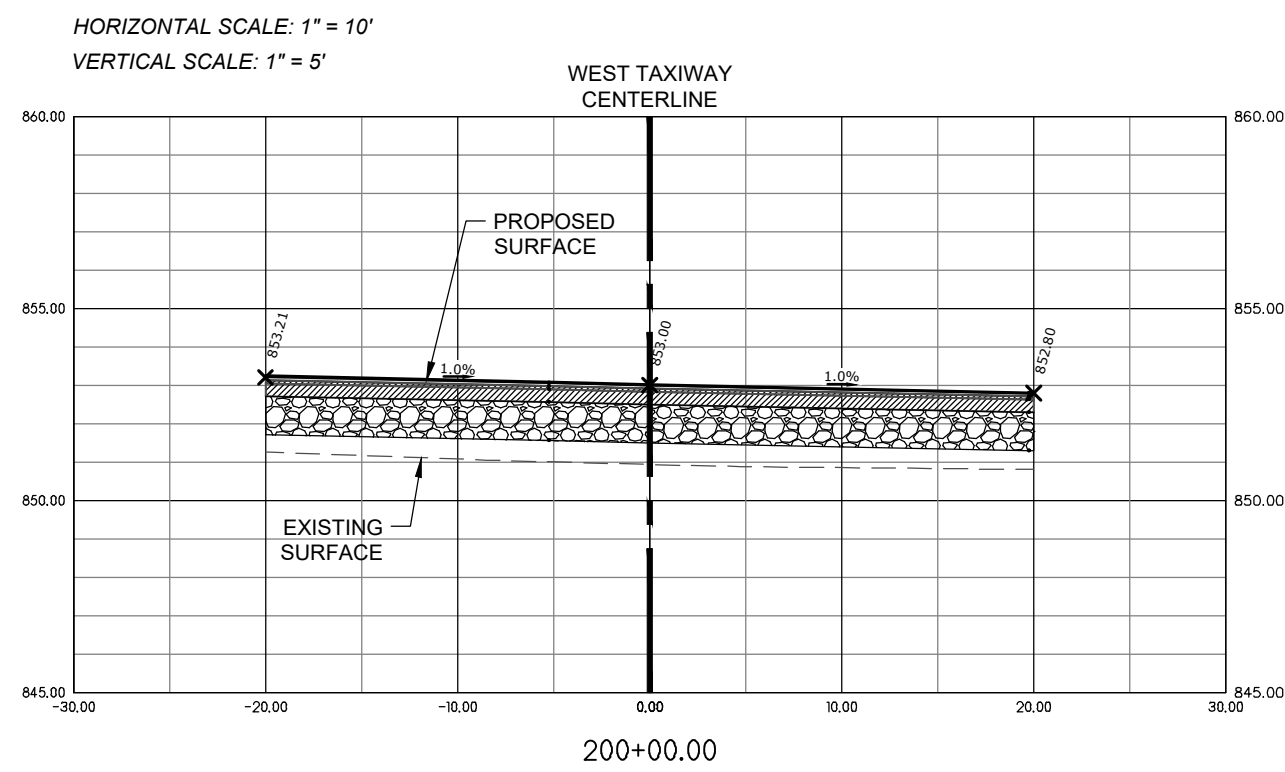
DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-45





ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR	
1. AGENCY REVIEW	03-17-2025
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---
REVISIONS	
ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

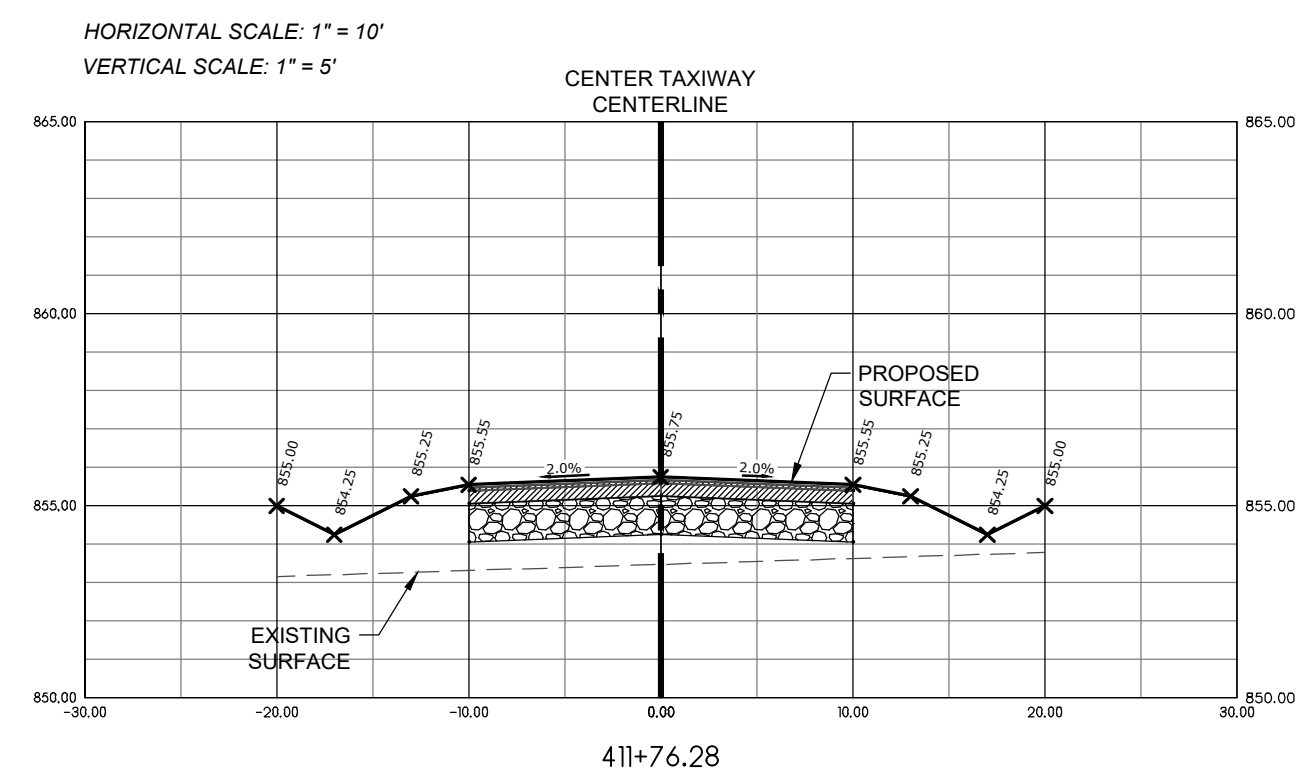
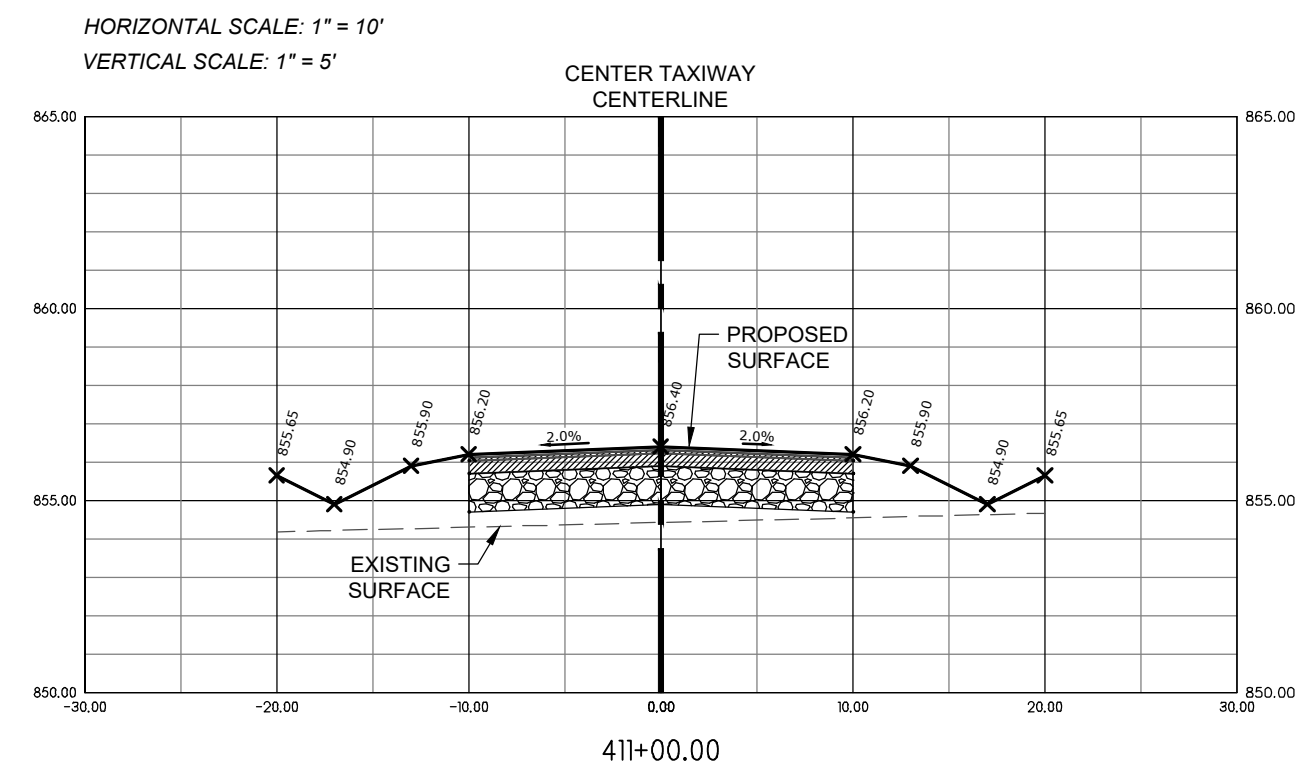
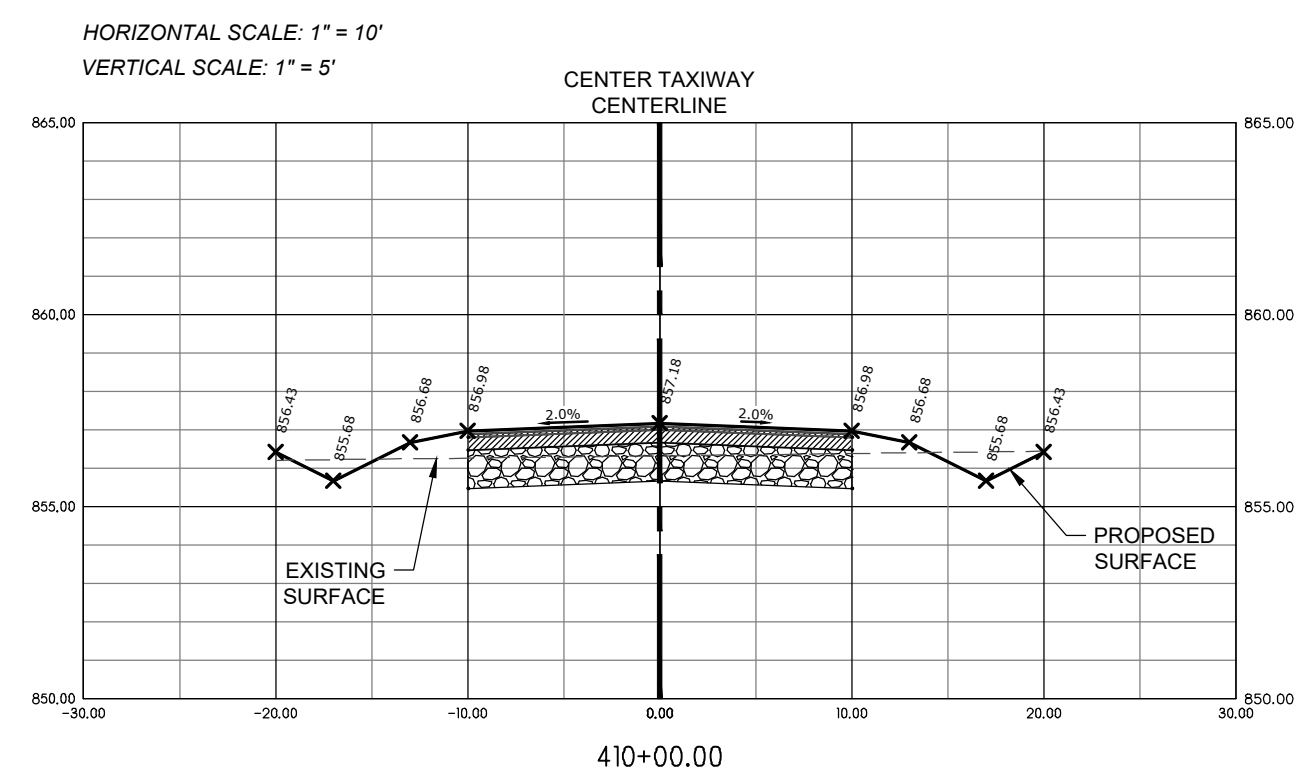
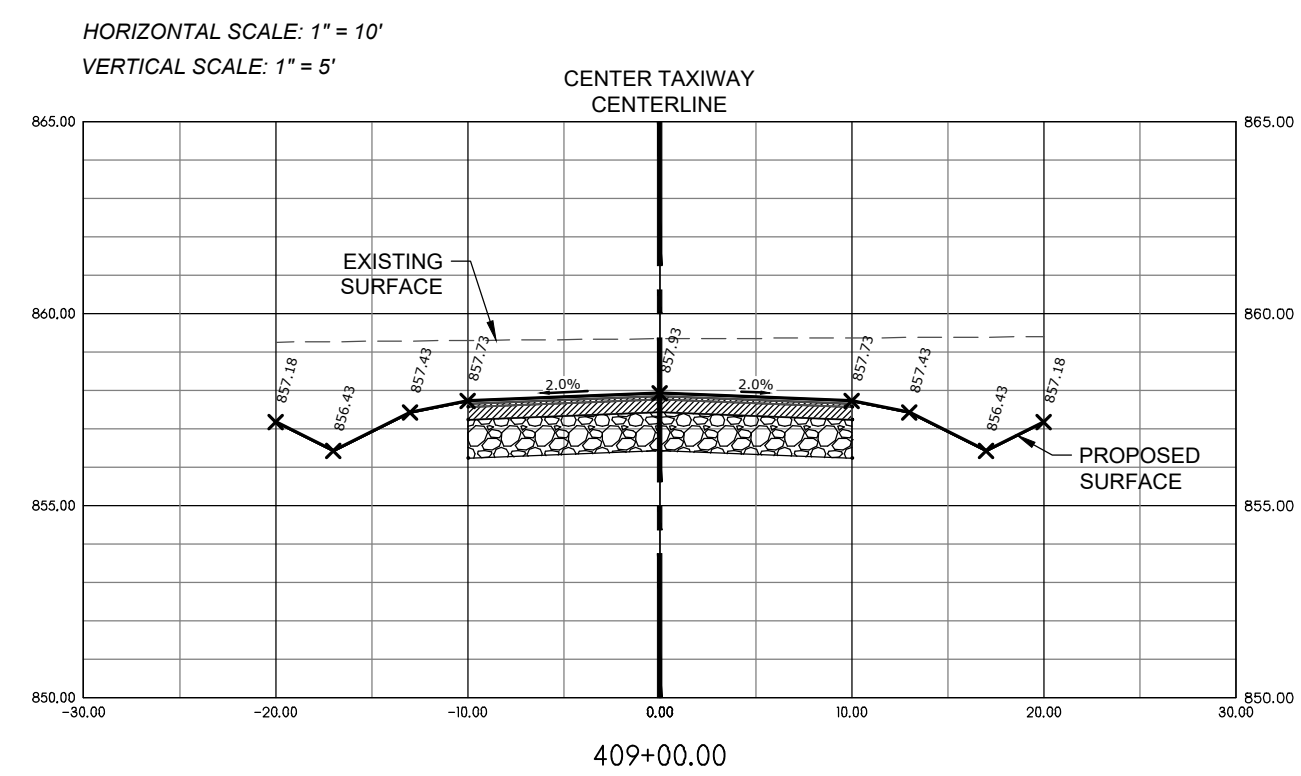
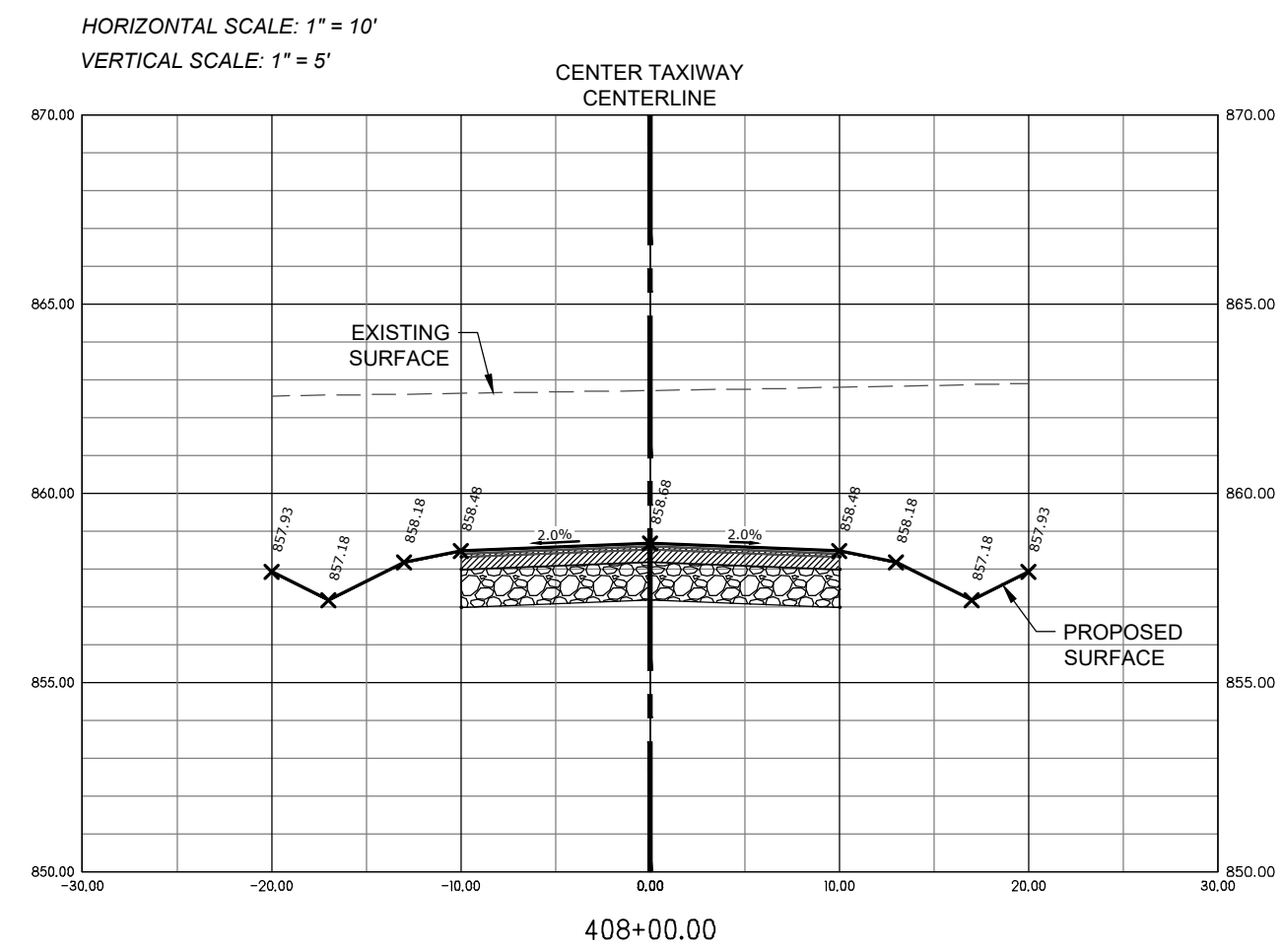
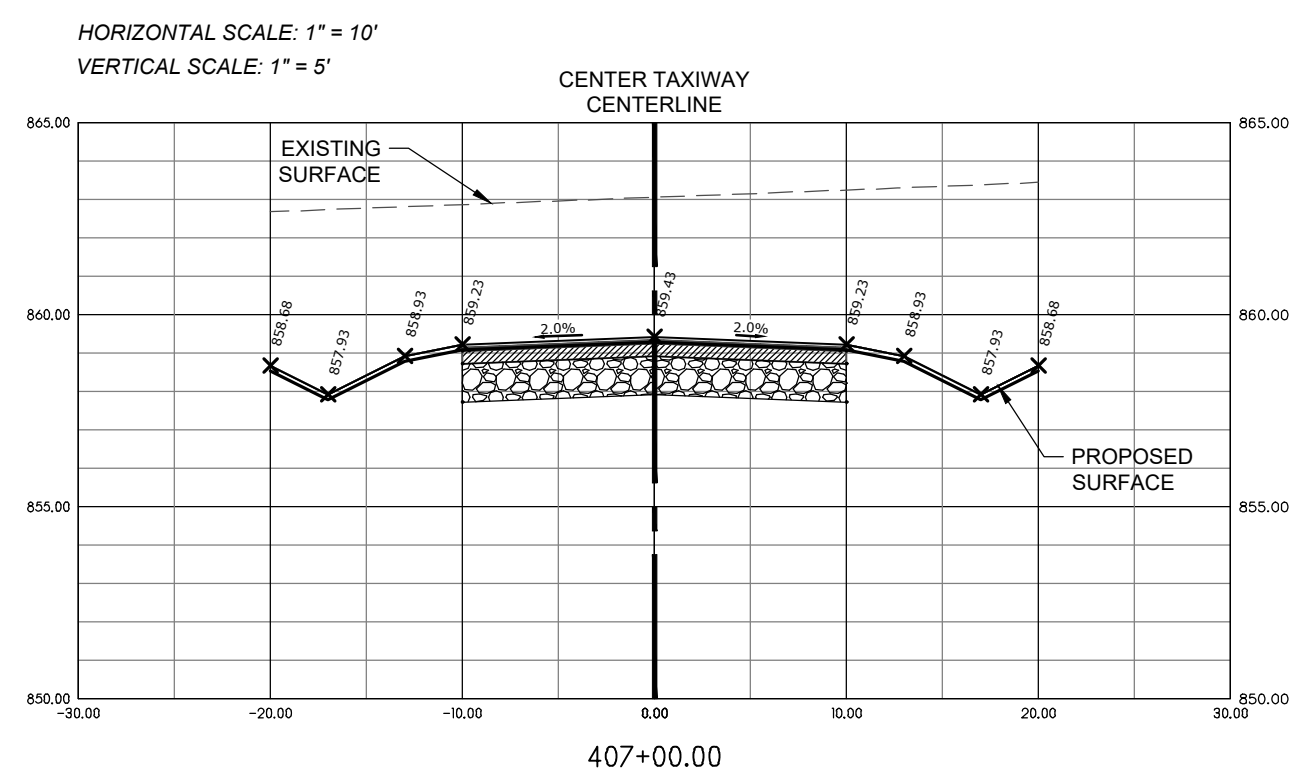
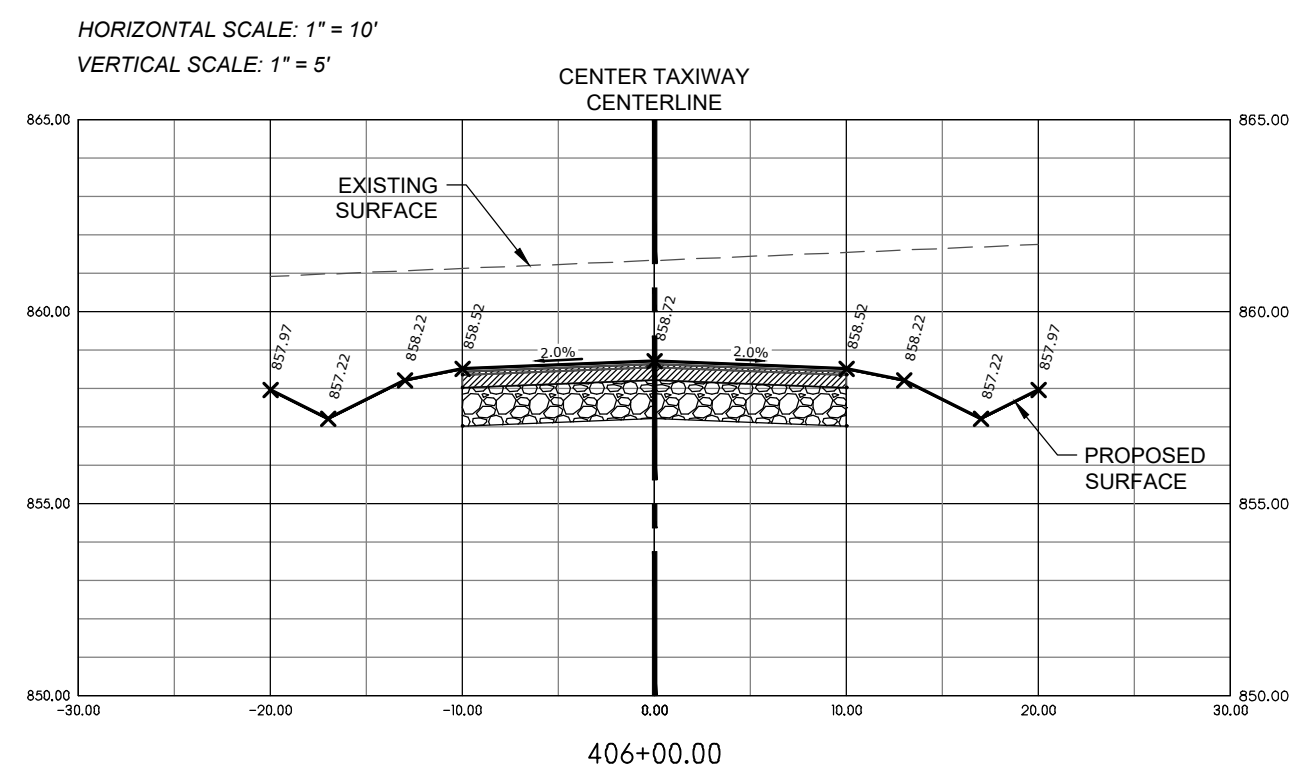
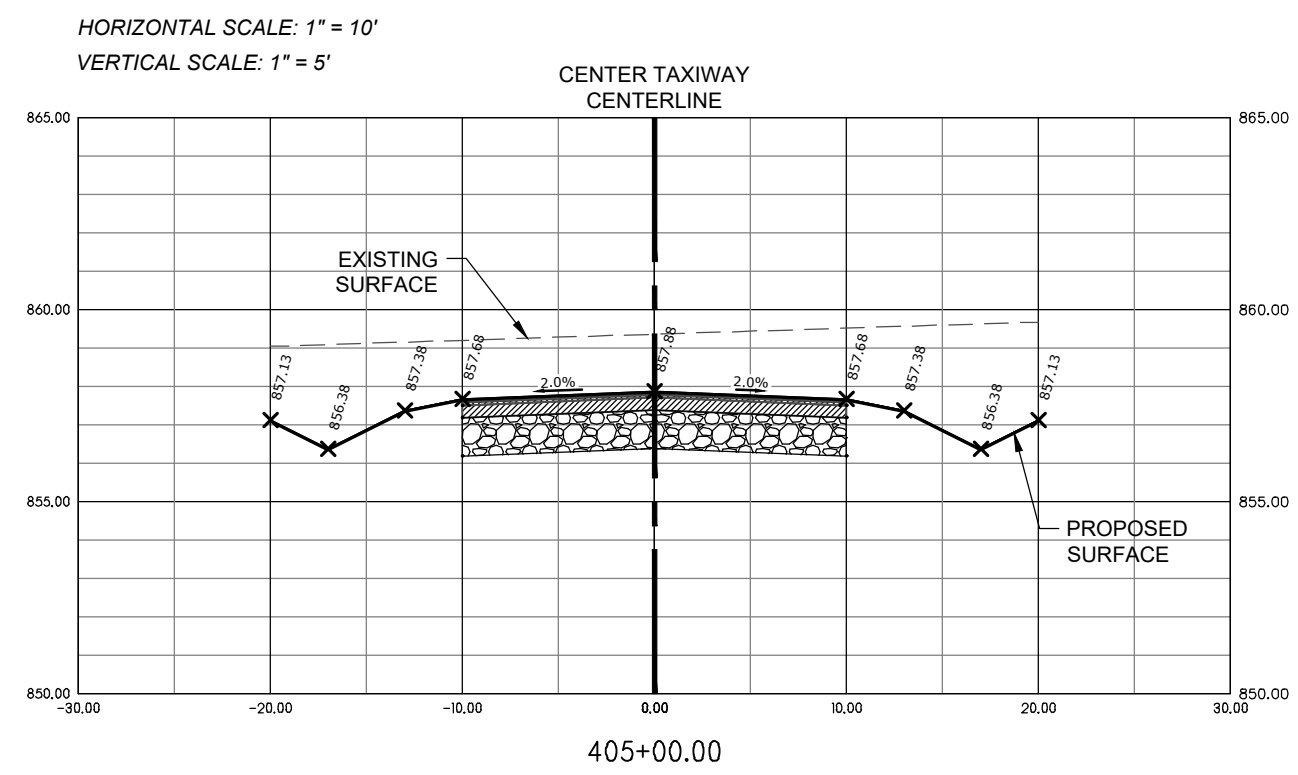
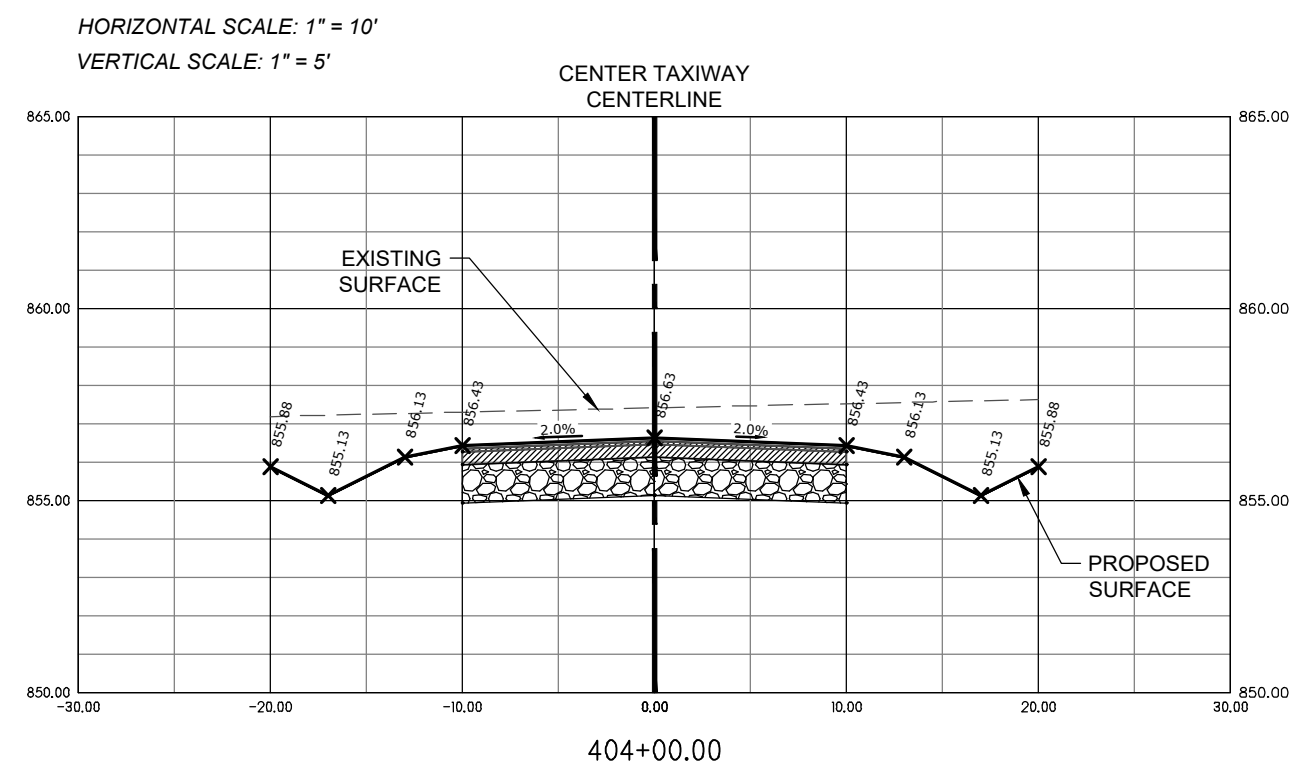
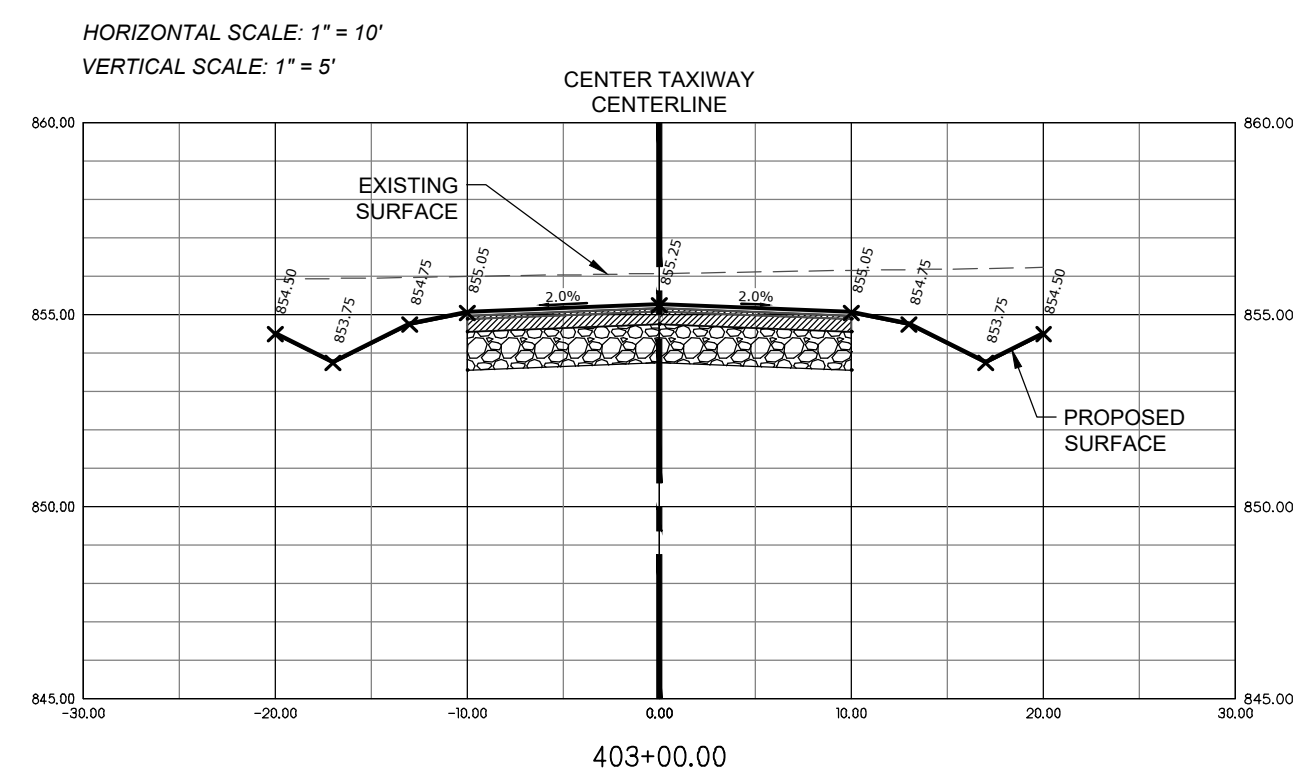
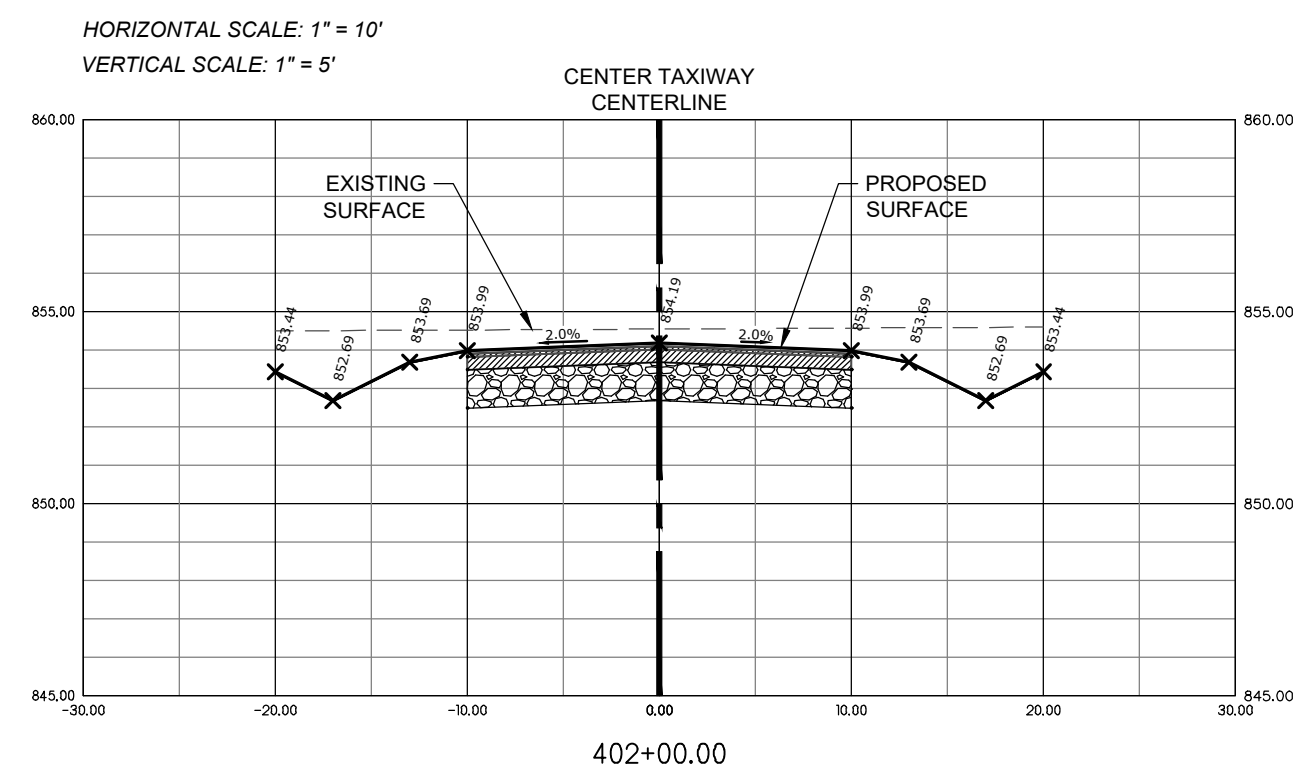
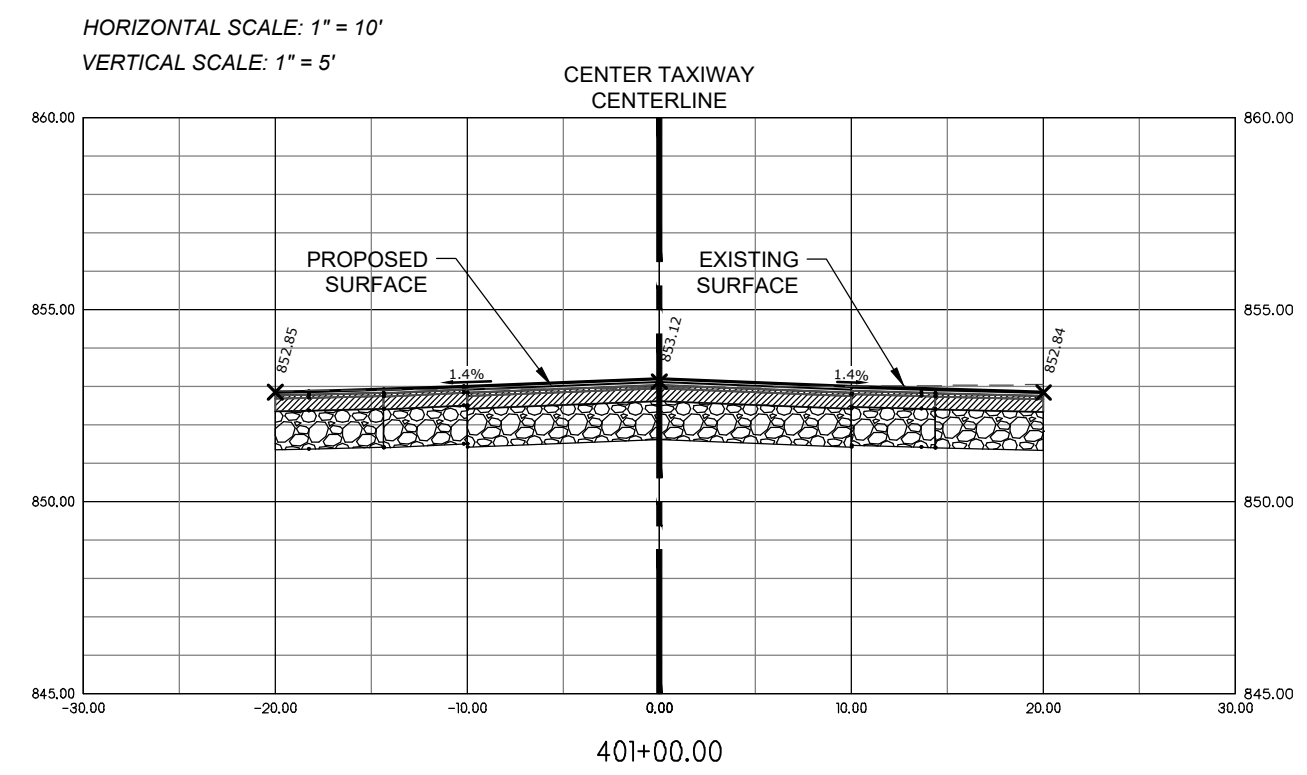
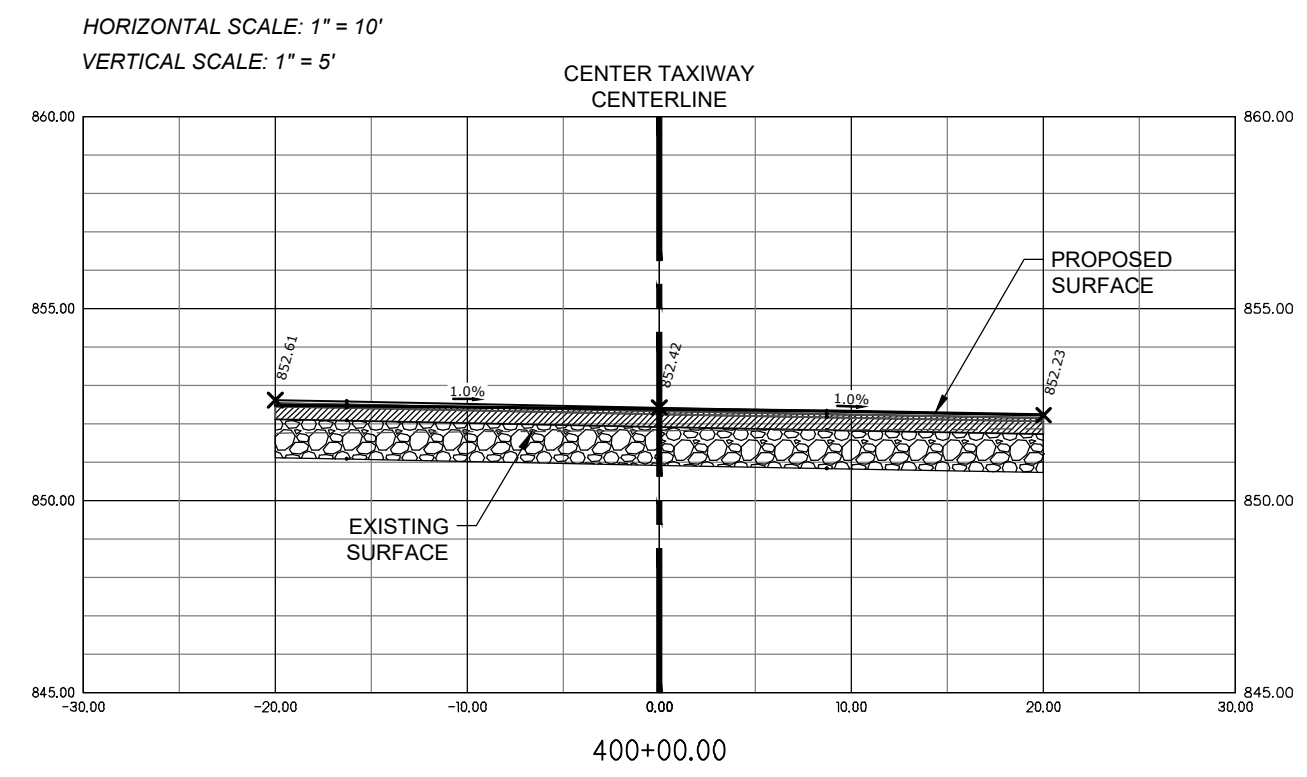
**WEST TAXIWAY
CROSS SECTIONS
STA. 200+00 -
212+51.10**

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-46



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR	
1.	DATE
1. AGENCY REVIEW	03-17-2025
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---
REVISIONS	
ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

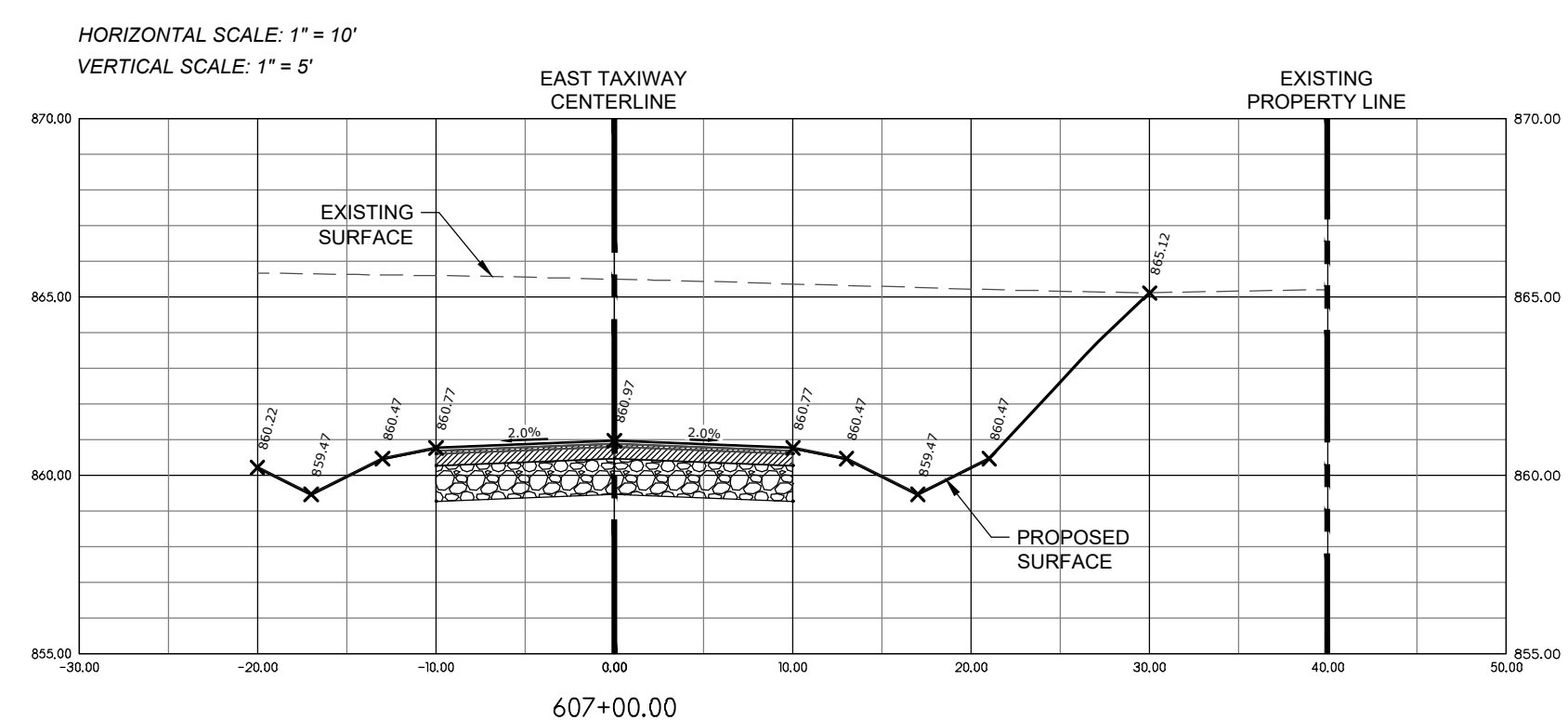
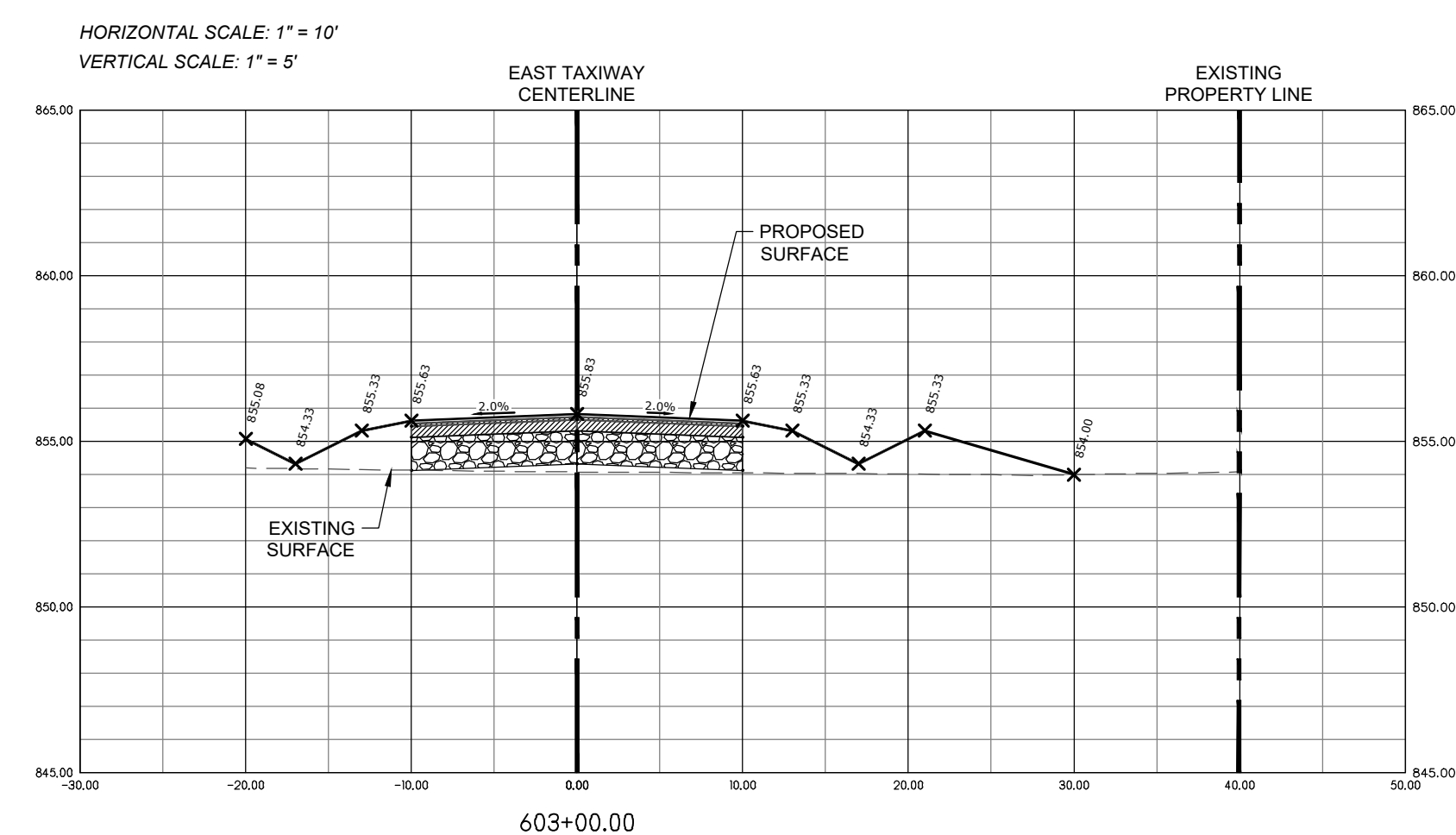
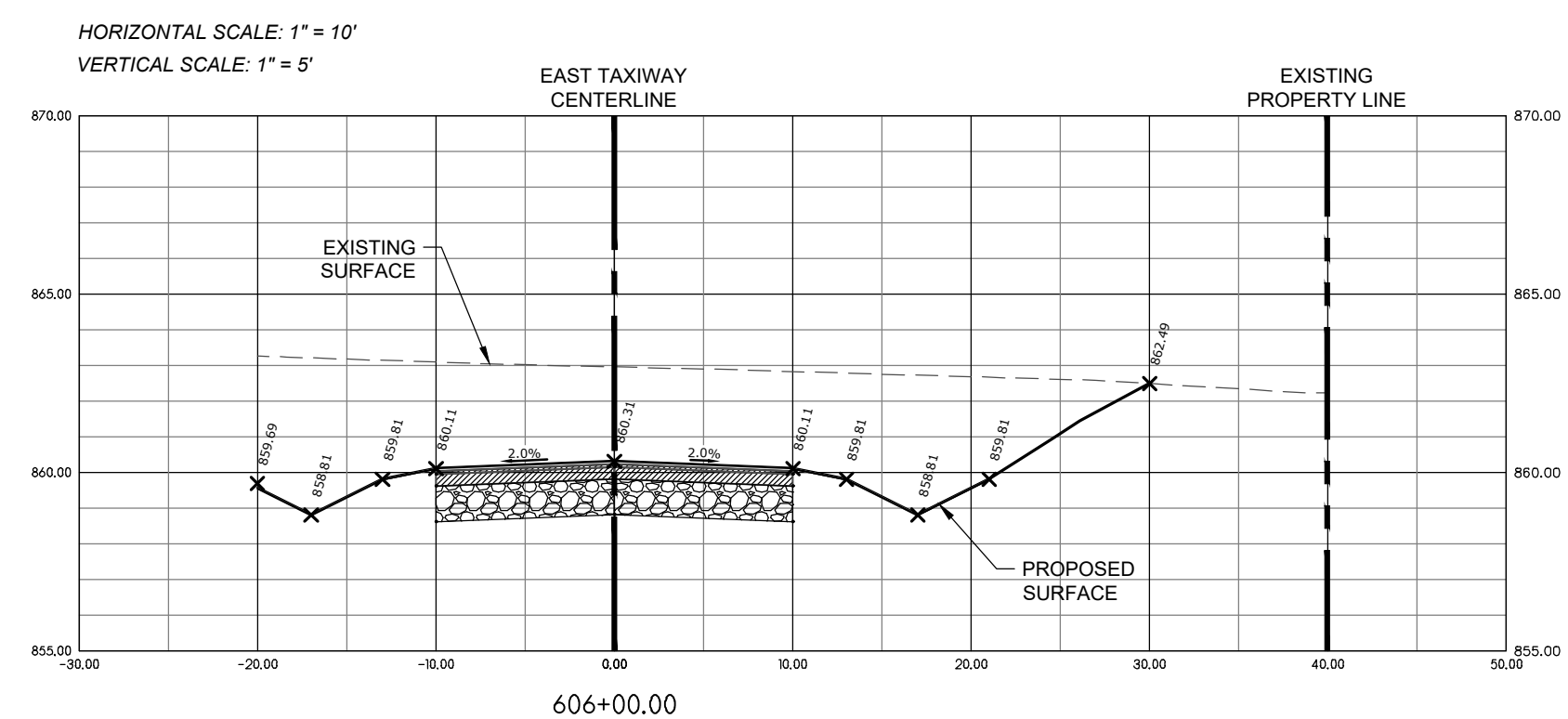
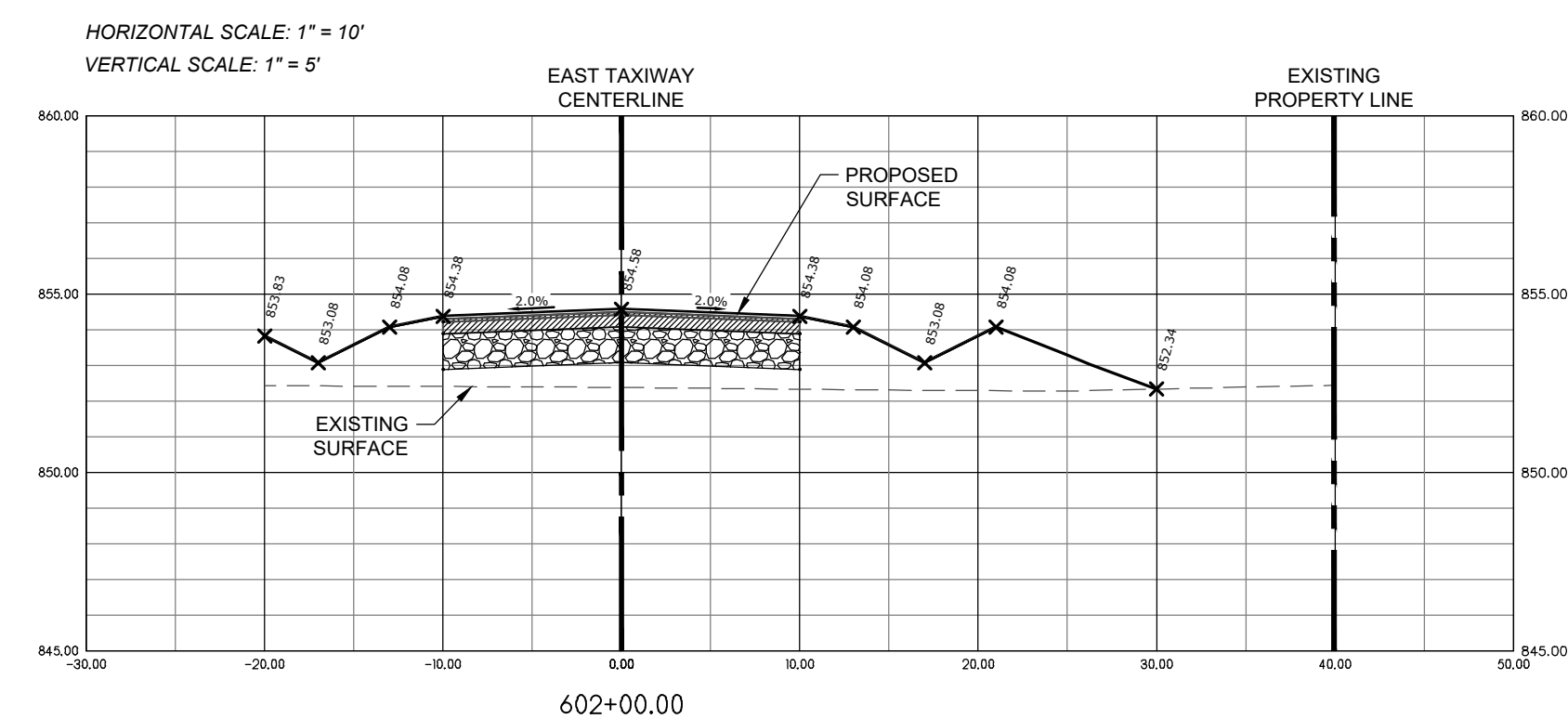
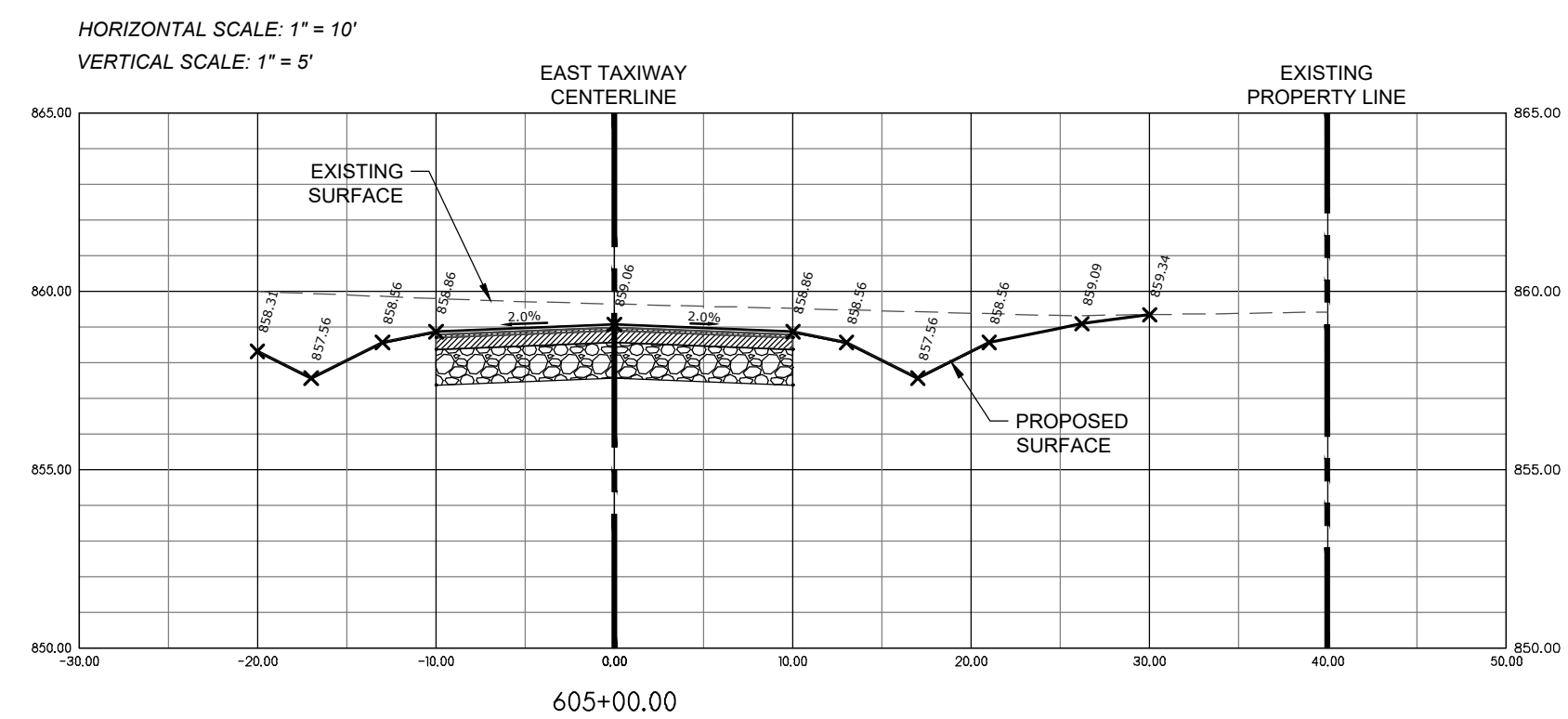
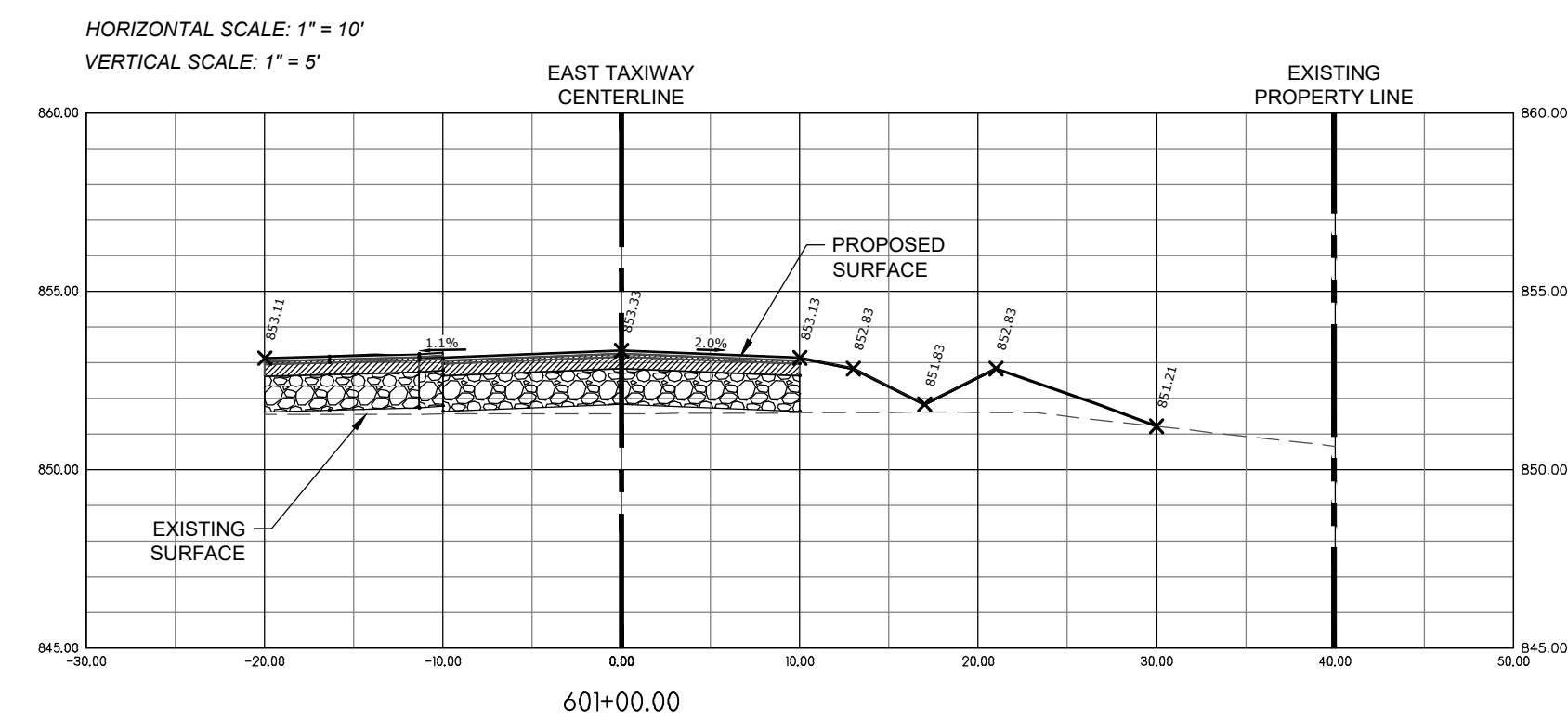
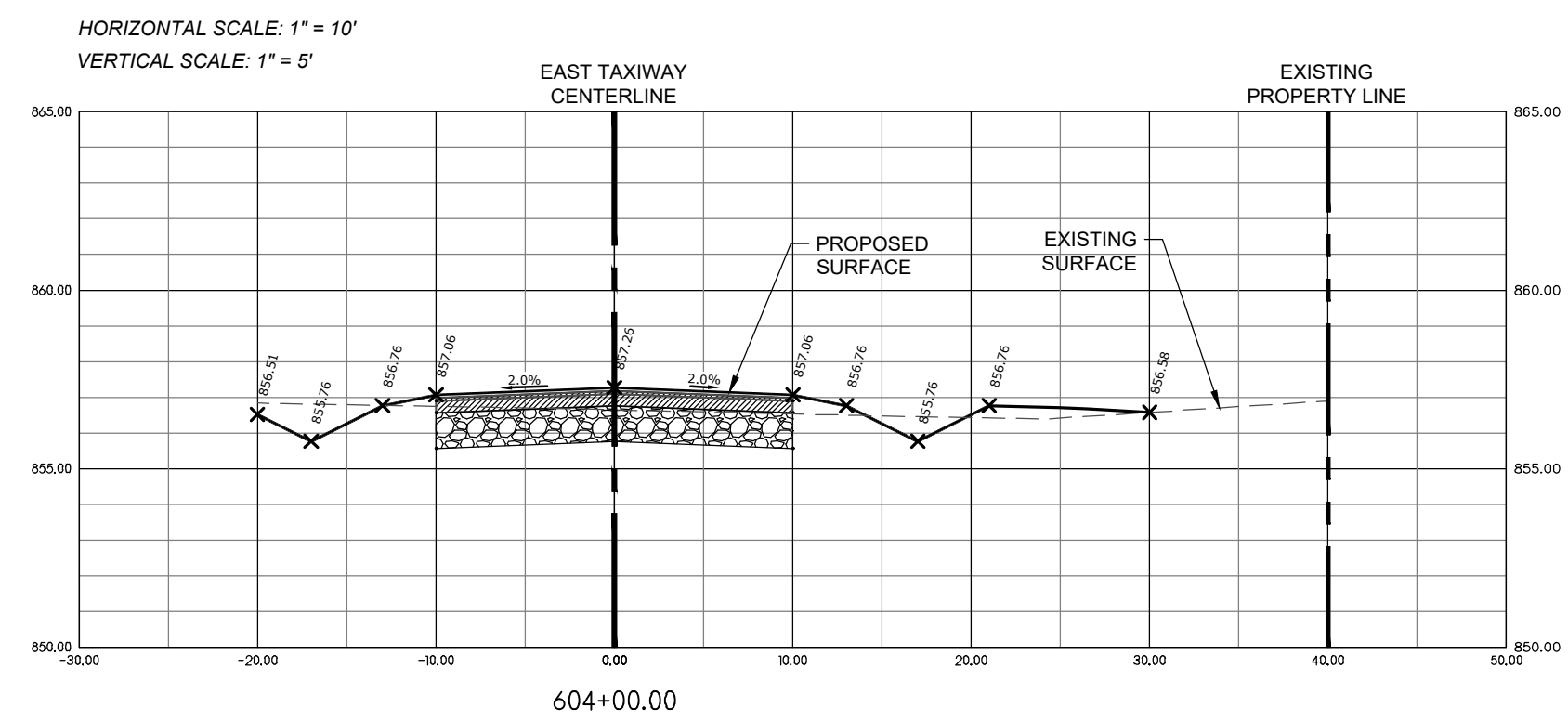
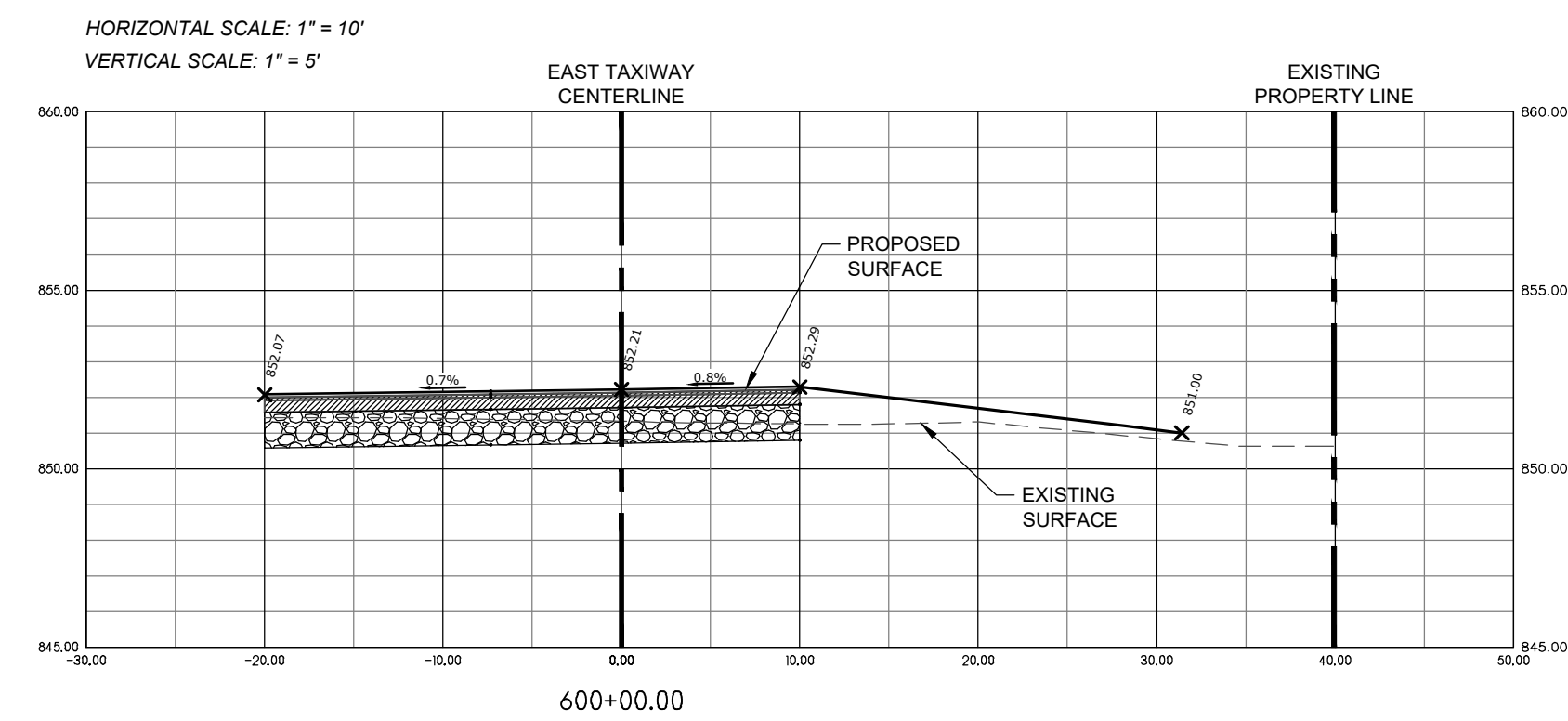
**CENTER TAXIWAY
CROSS SECTIONS
STA. 400+00 -
411+76.28**

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-47



PROJECT NAME
OWNER'S NAME

POPLAR GROVE AIRPORT EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR	DATE
1. AGENCY REVIEW	03-17-2025
2. --	---
3. --	---
4. --	---
5. --	---
6. --	---
7. --	---
8. --	---
9. --	---
10. --	---
11. --	---
12. --	---

REVIEWS	
ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

EAST TAXIWAY
CROSS SECTIONS
STA. 600+00 -
607+00

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-48

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
AGENCY REVIEW	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---

REVISIONS

1.	2.	3.	4.	5.	6.
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

SHEET TITLE

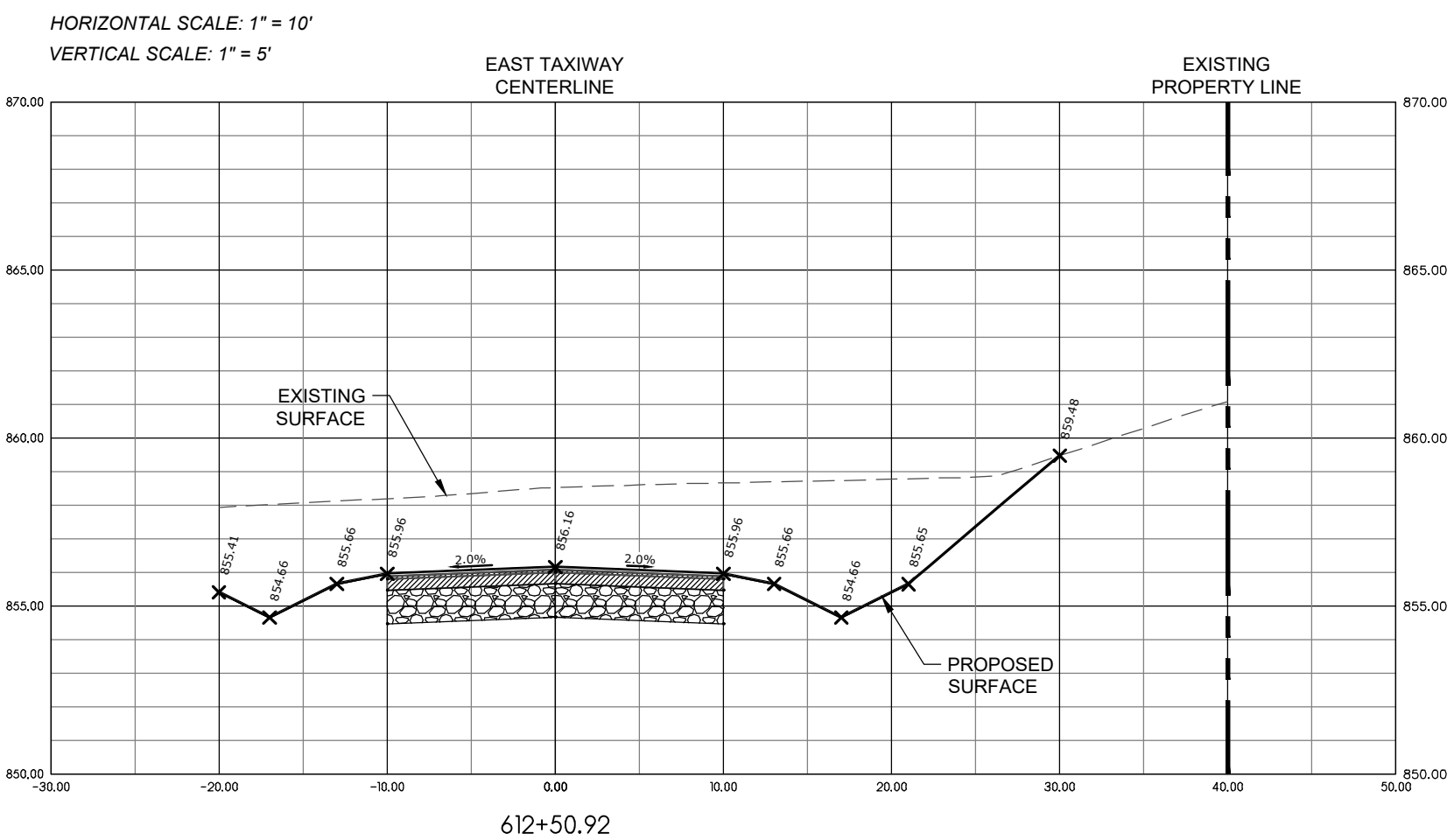
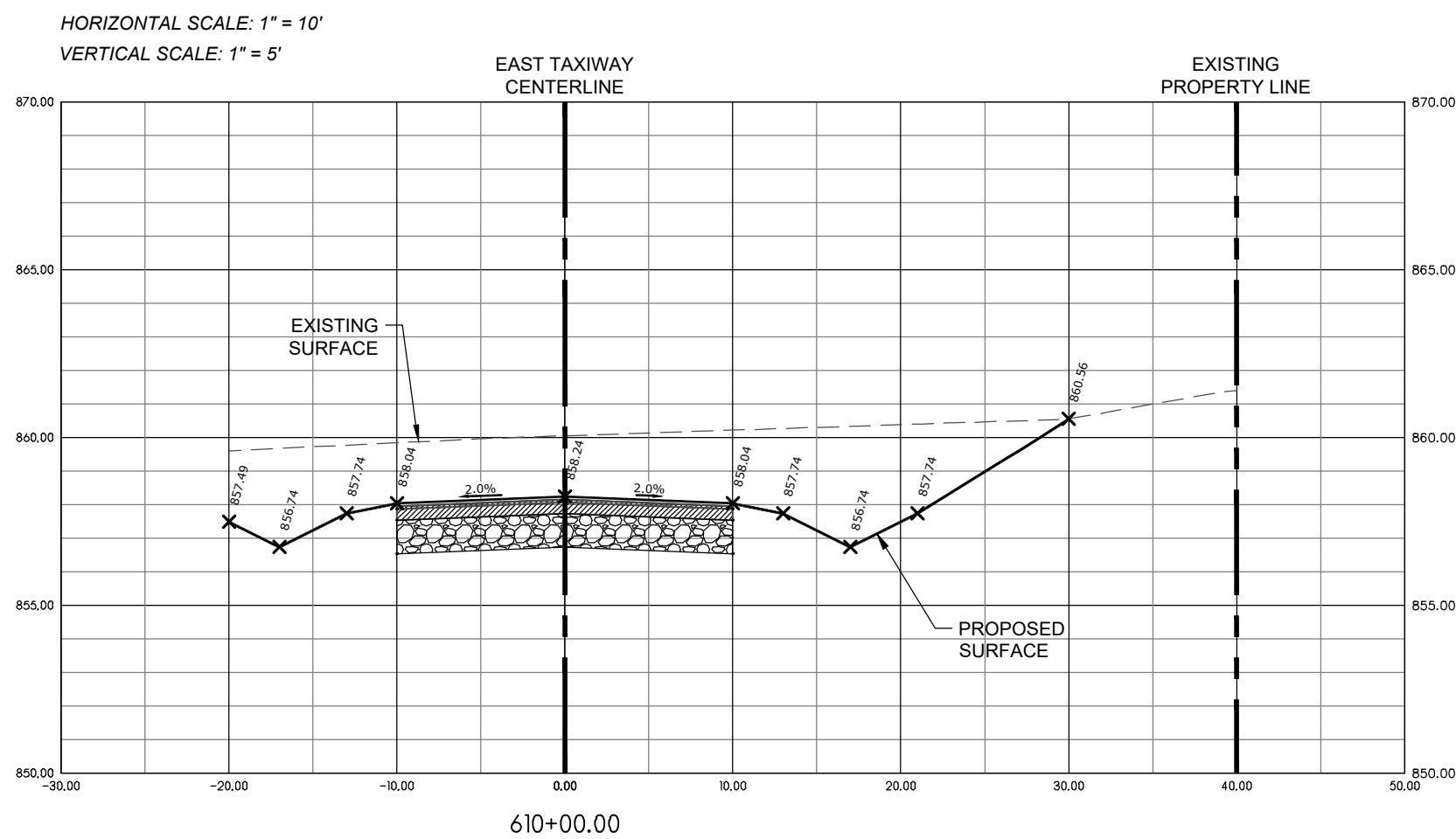
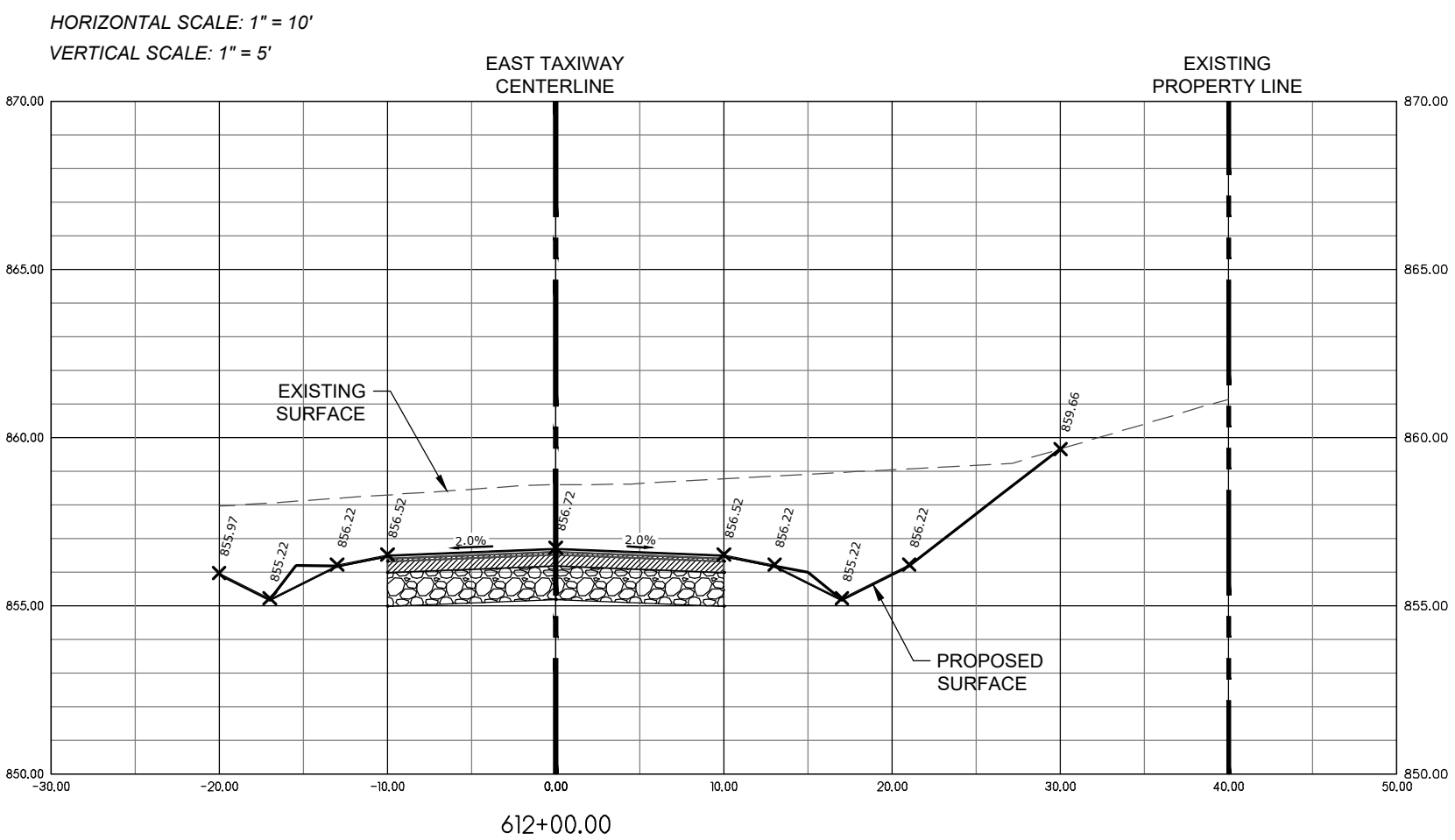
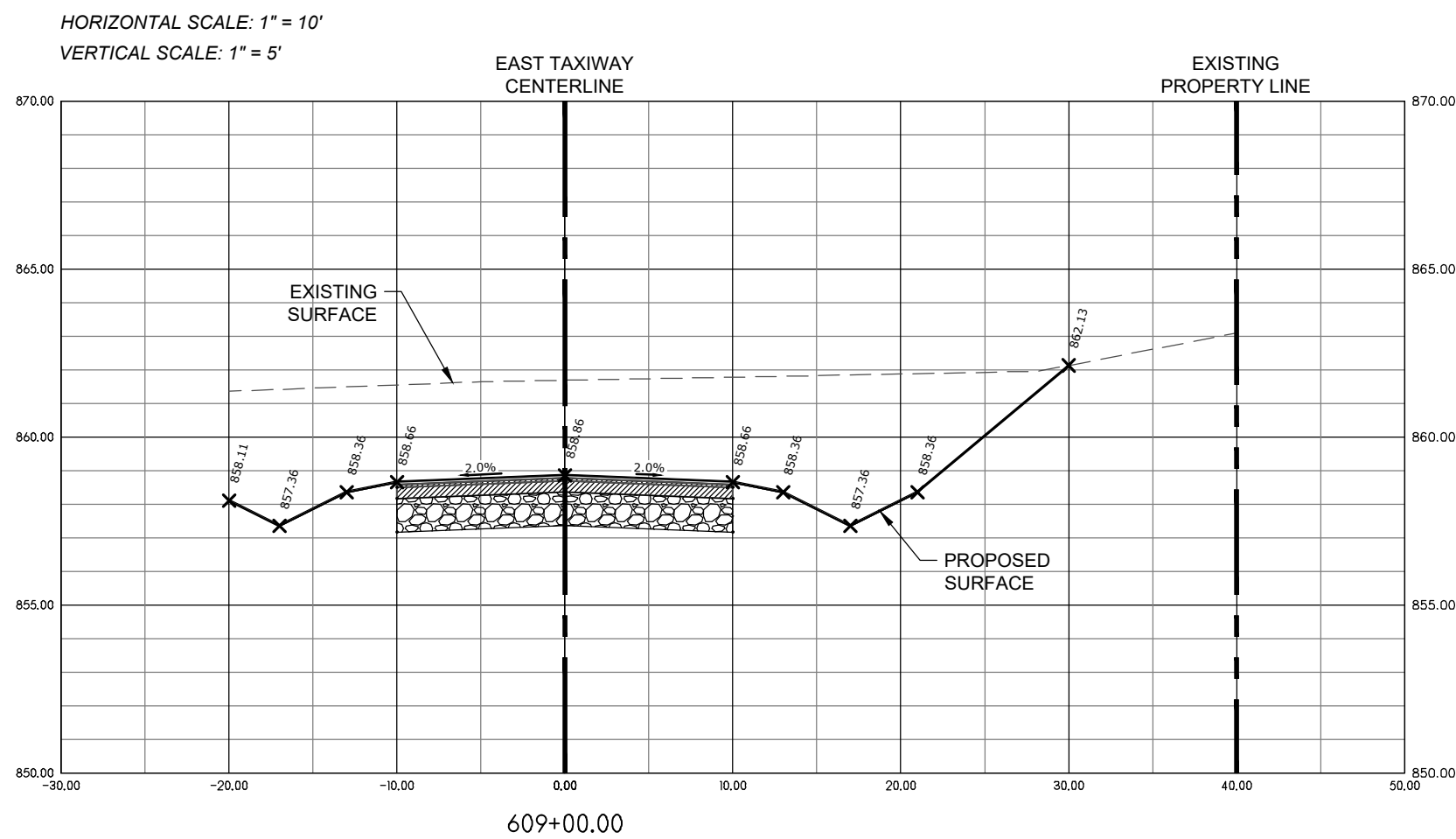
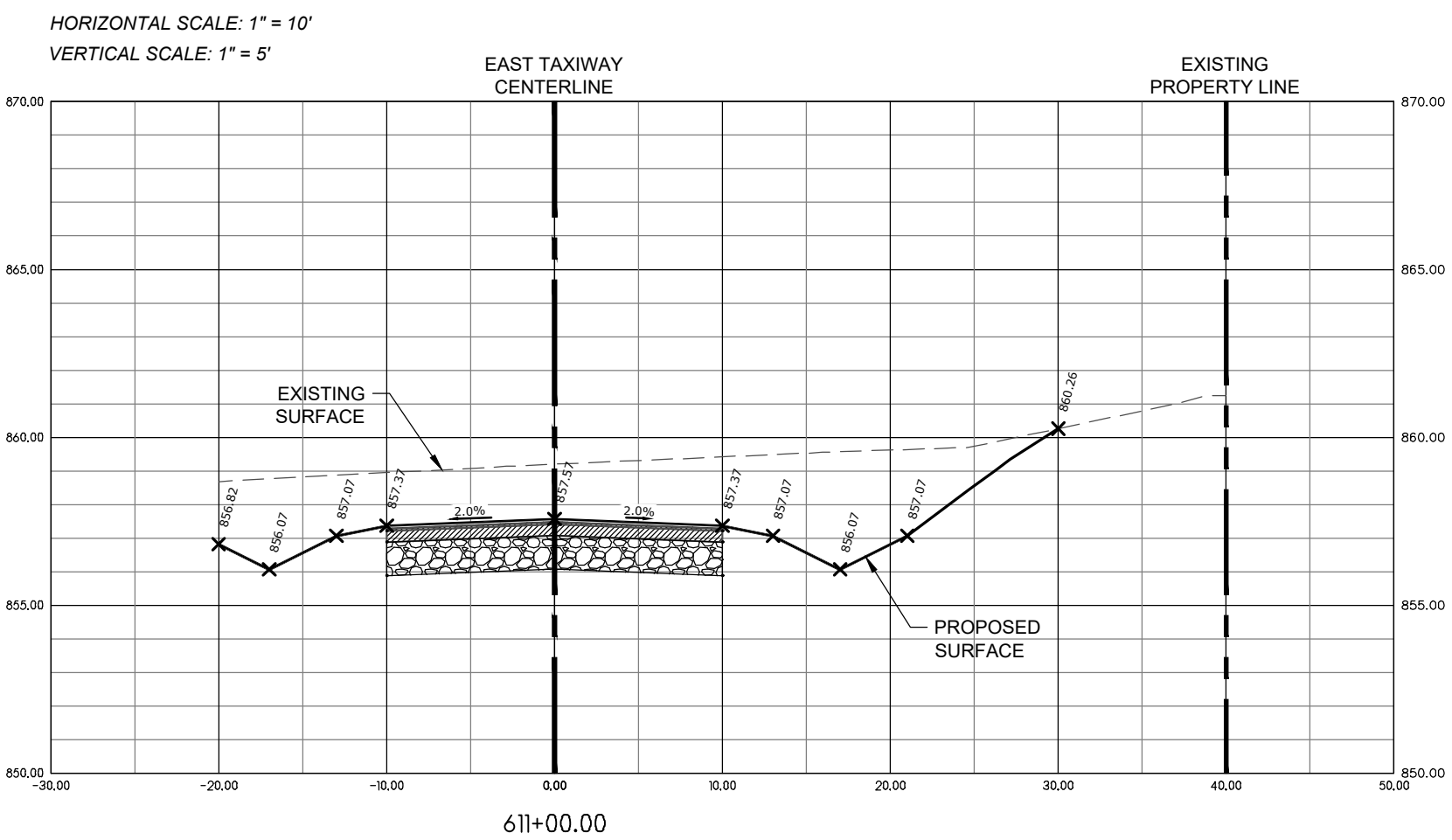
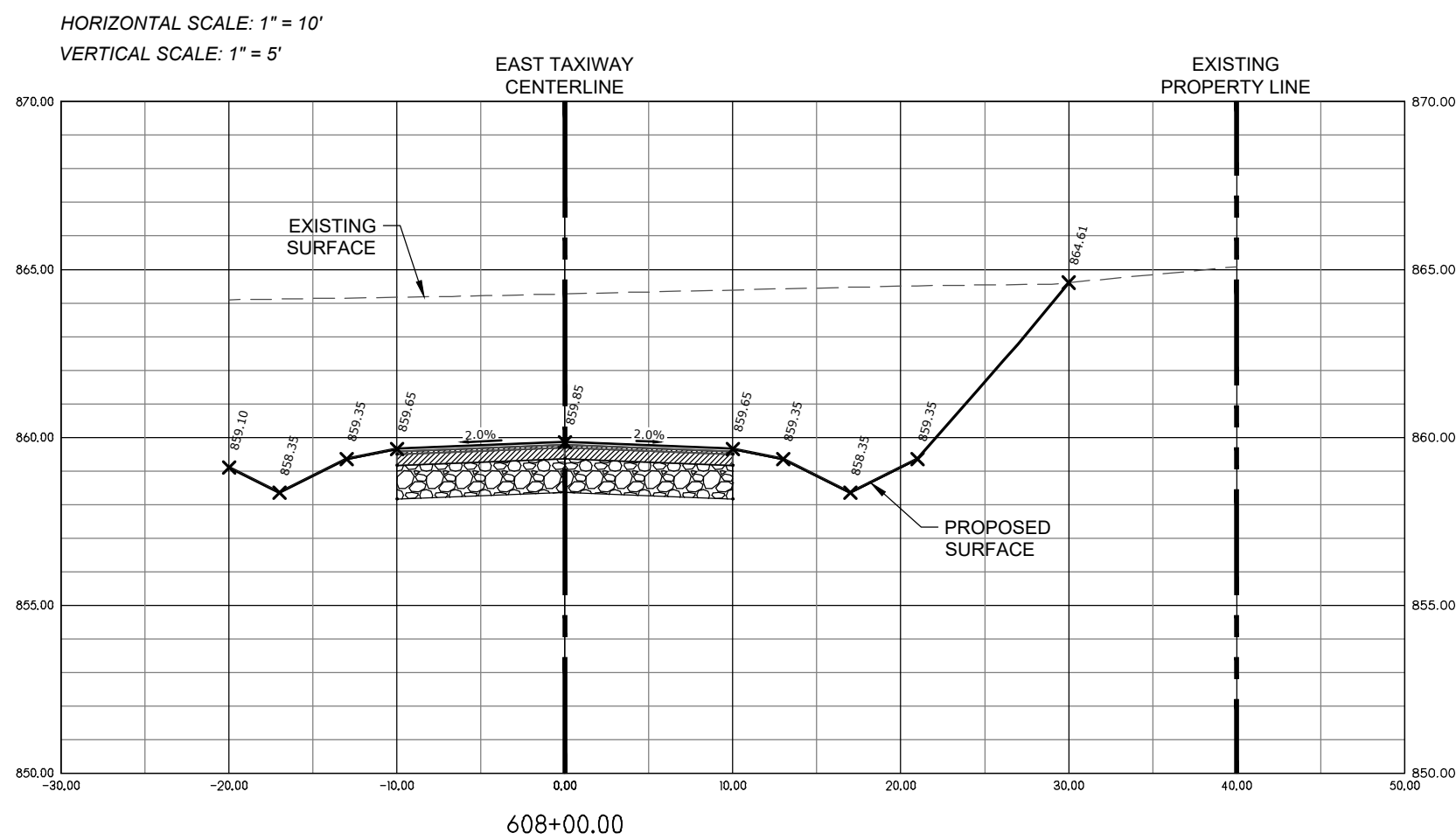
EAST TAXIWAY
CROSS SECTIONS
STA. 608+00 -
612+50.92

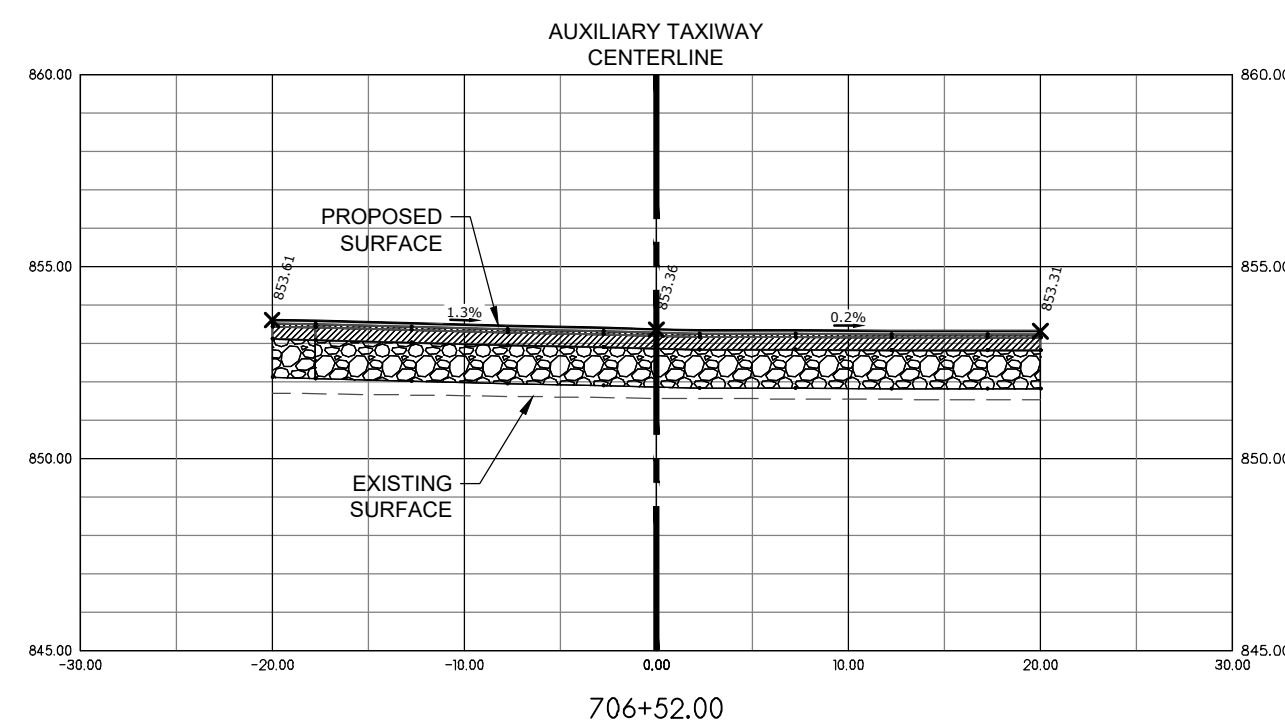
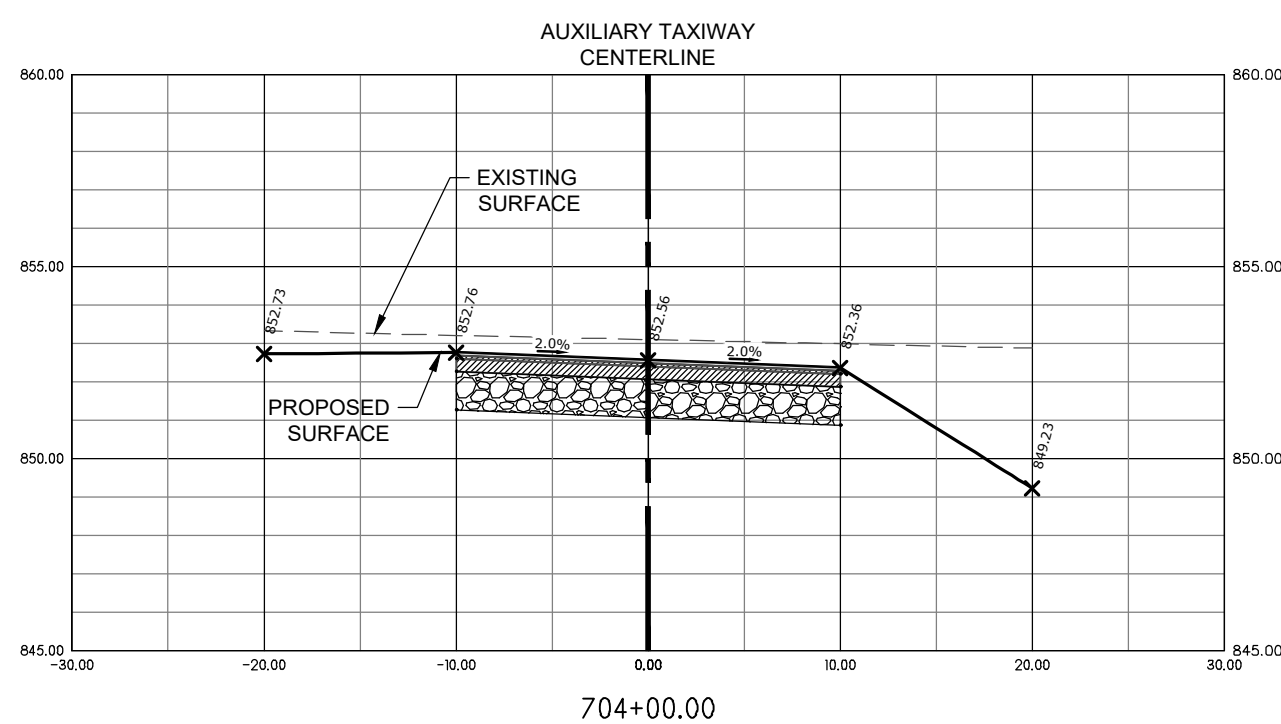
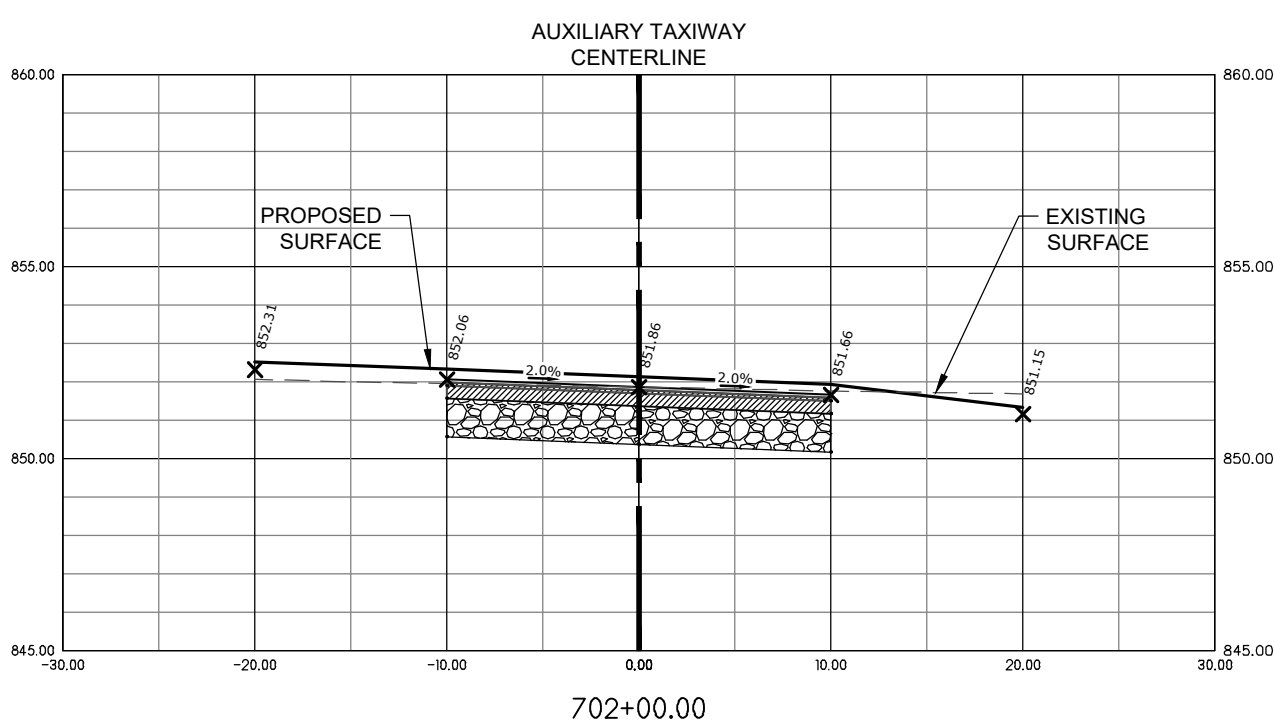
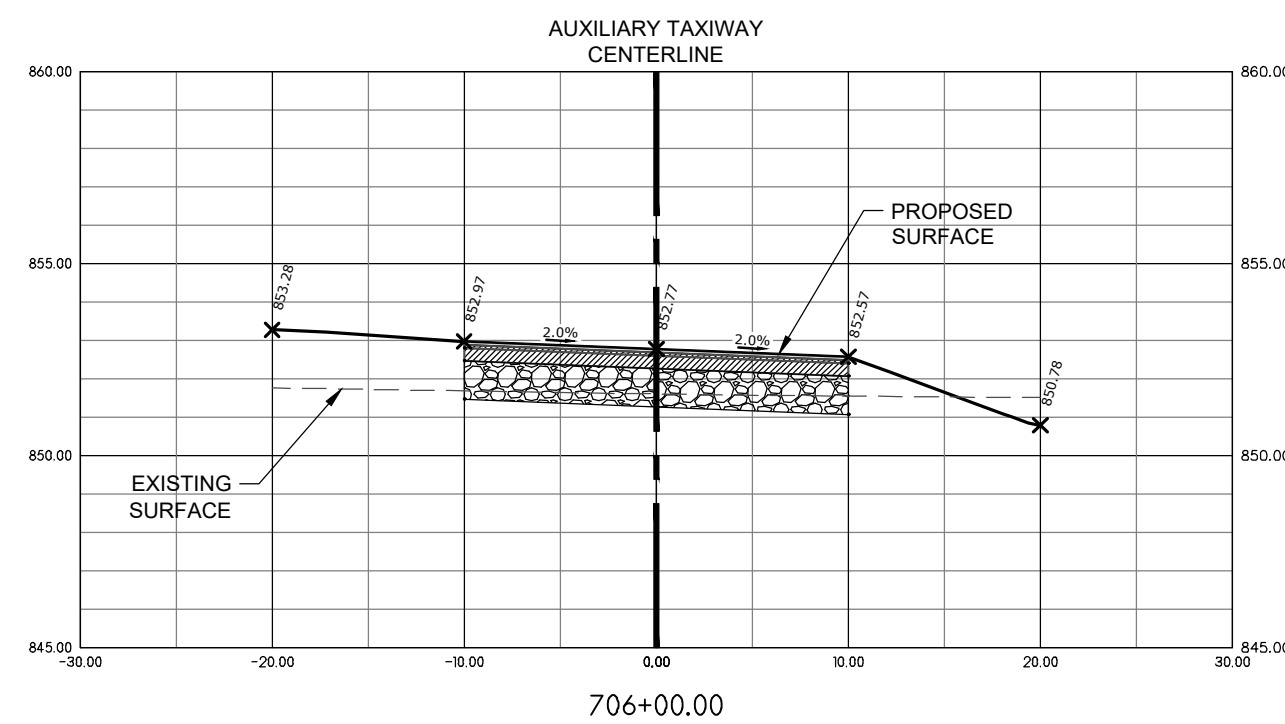
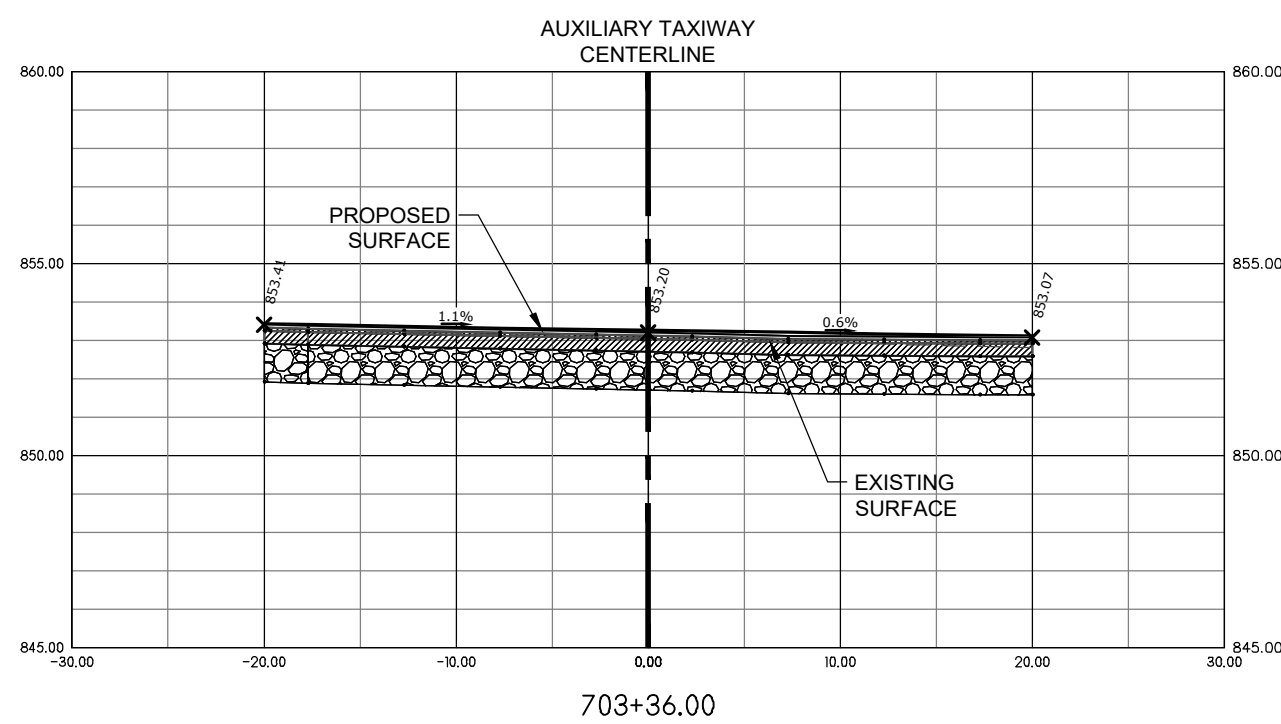
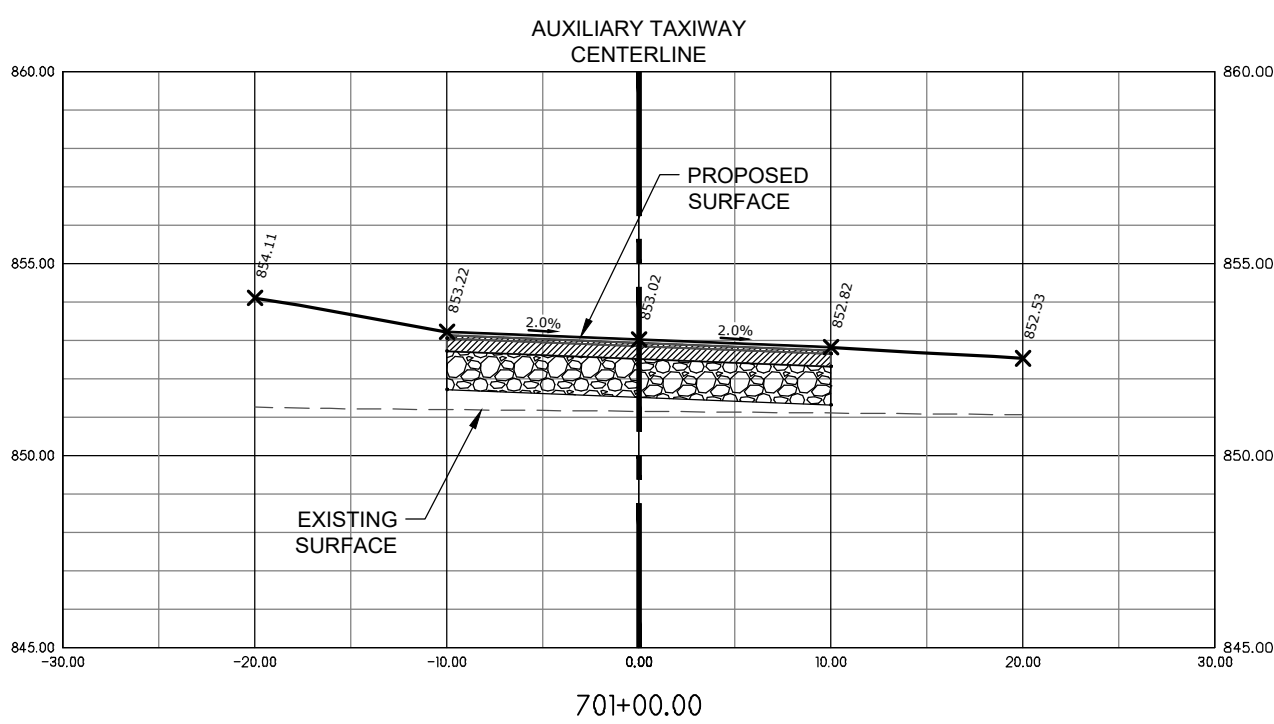
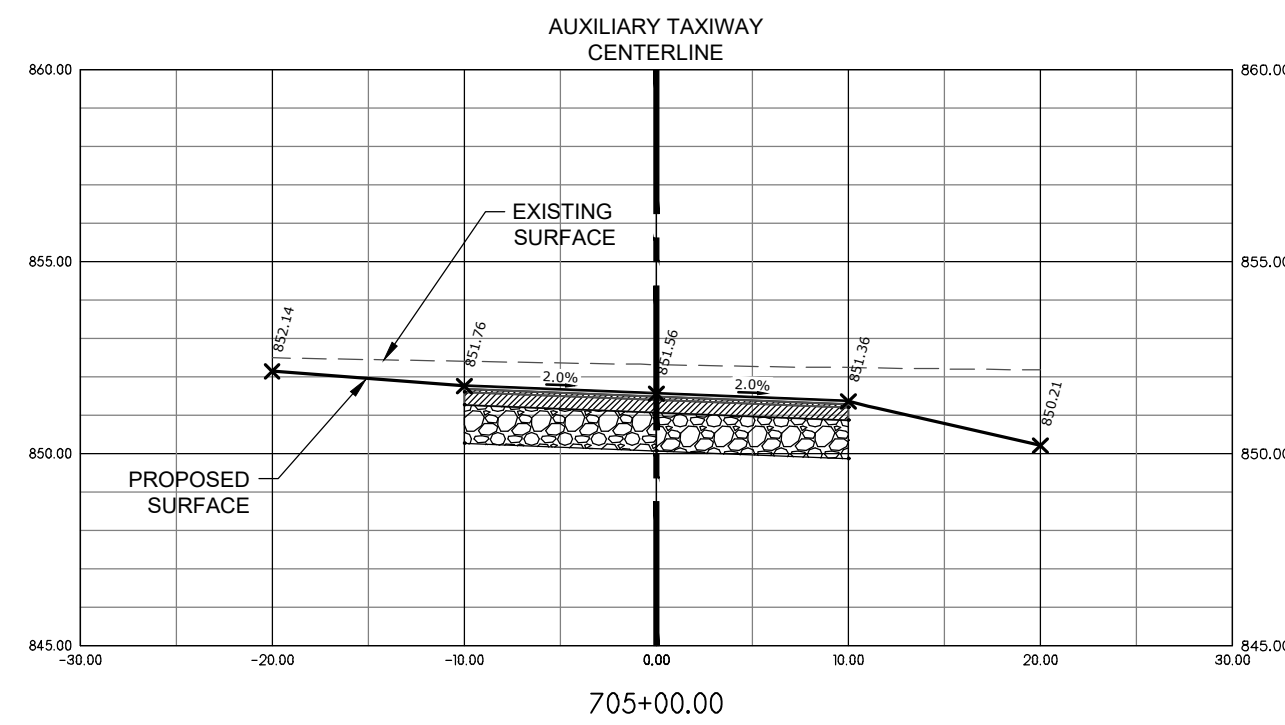
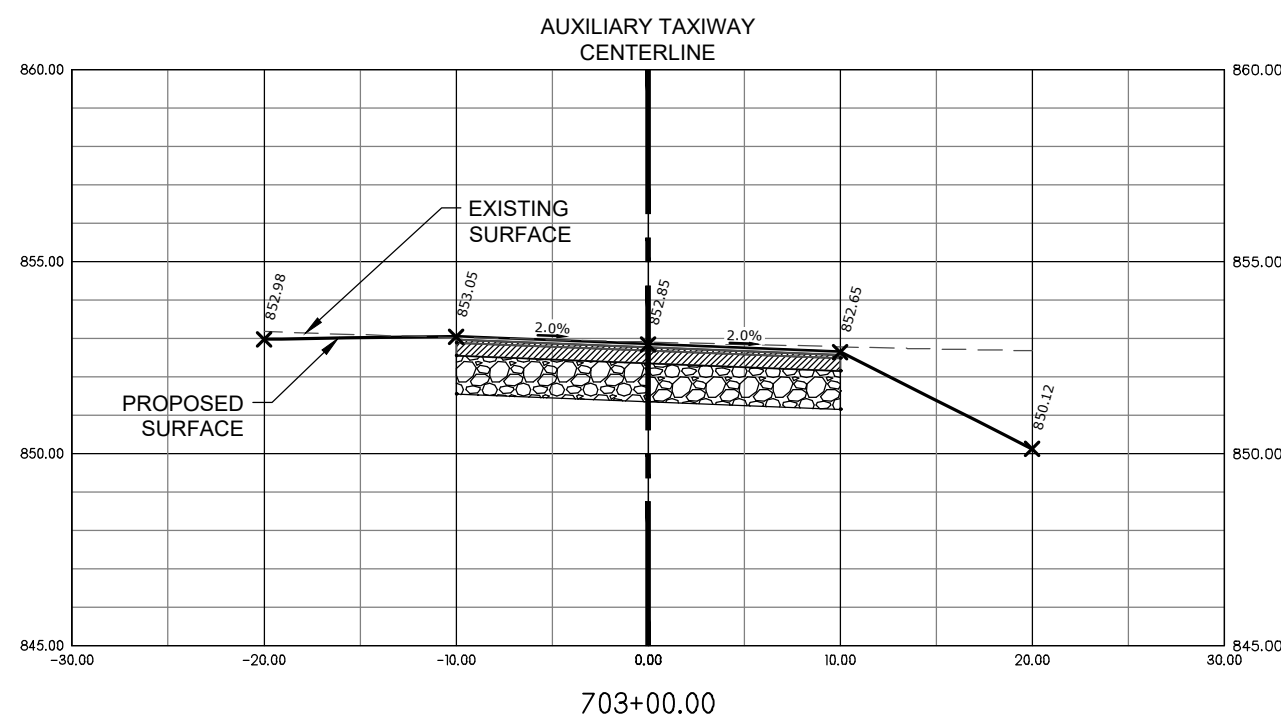
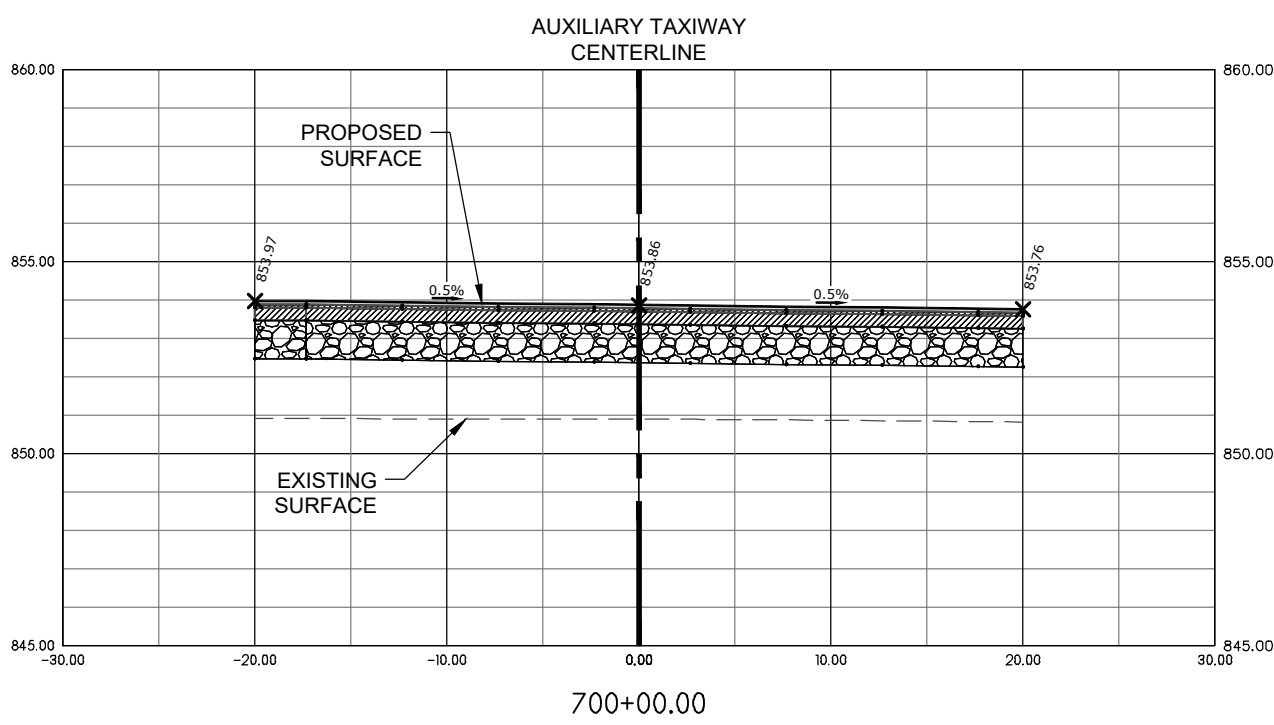
DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-49





ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

1.	AGENCY REVIEW	DATE
2.	---	03-17-2025
3.	---	---
4.	---	---
5.	---	---
6.	---	---
7.	---	---
8.	---	---
9.	---	---
10.	---	---
11.	---	---
12.	---	---

REVISIONS

ITEM	DATE
1.	---
2.	---
3.	---
4.	---
5.	---
6.	---

SHEET TITLE

**AUXILIARY
TAXIWAY CROSS
SECTIONS STA.
700+00 - 706+52**

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-50

ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	03-17-2025
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

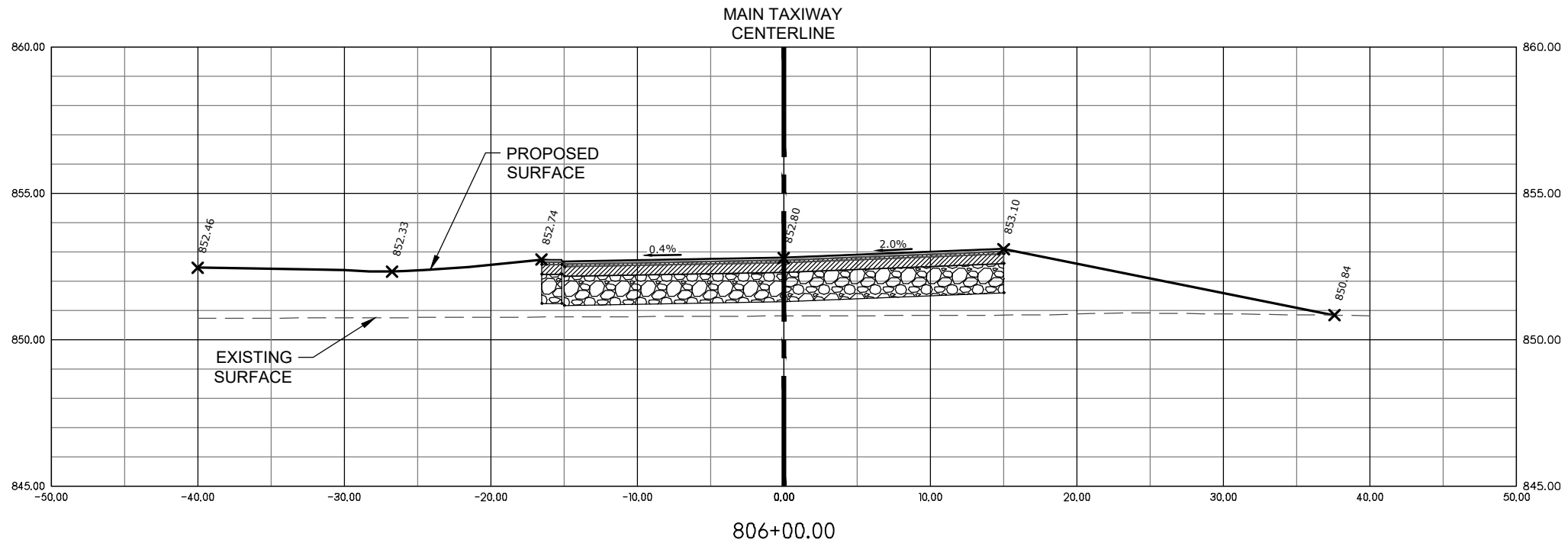
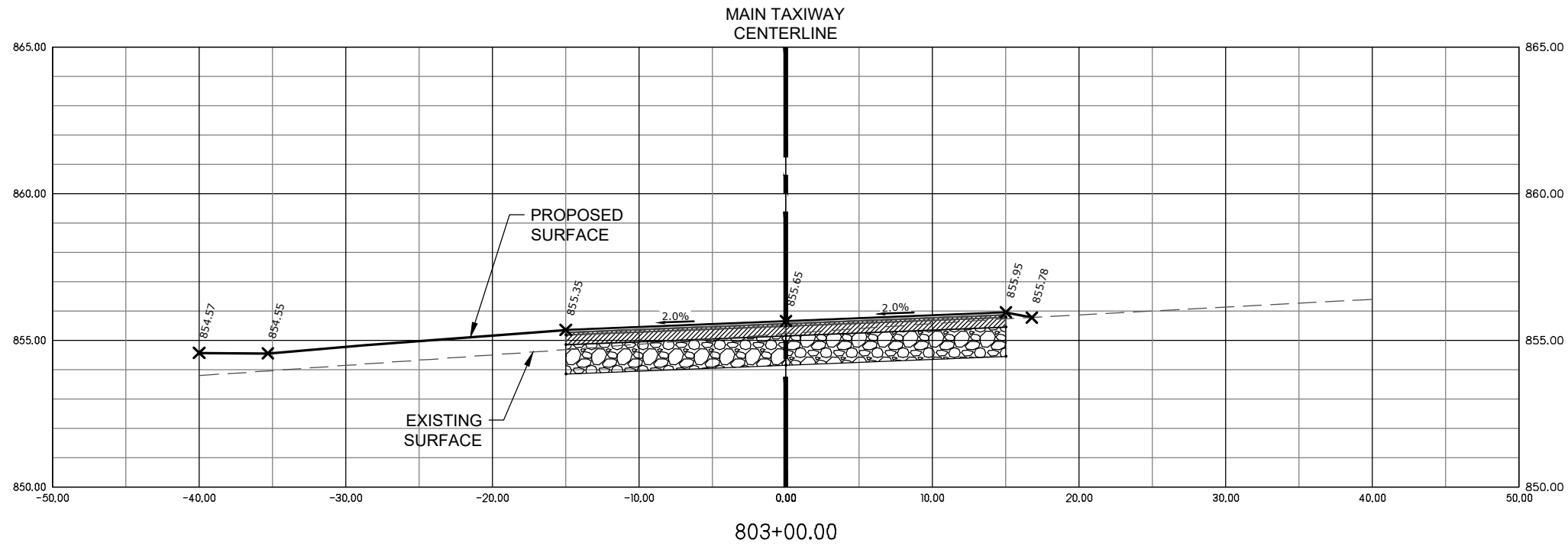
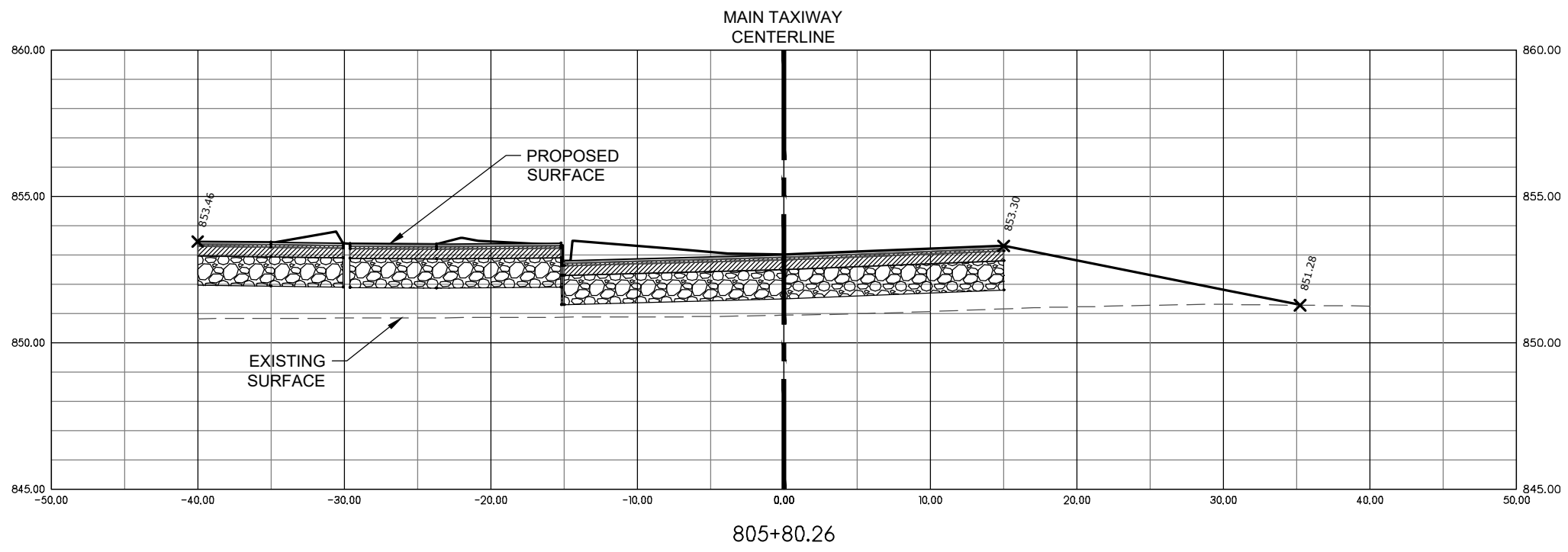
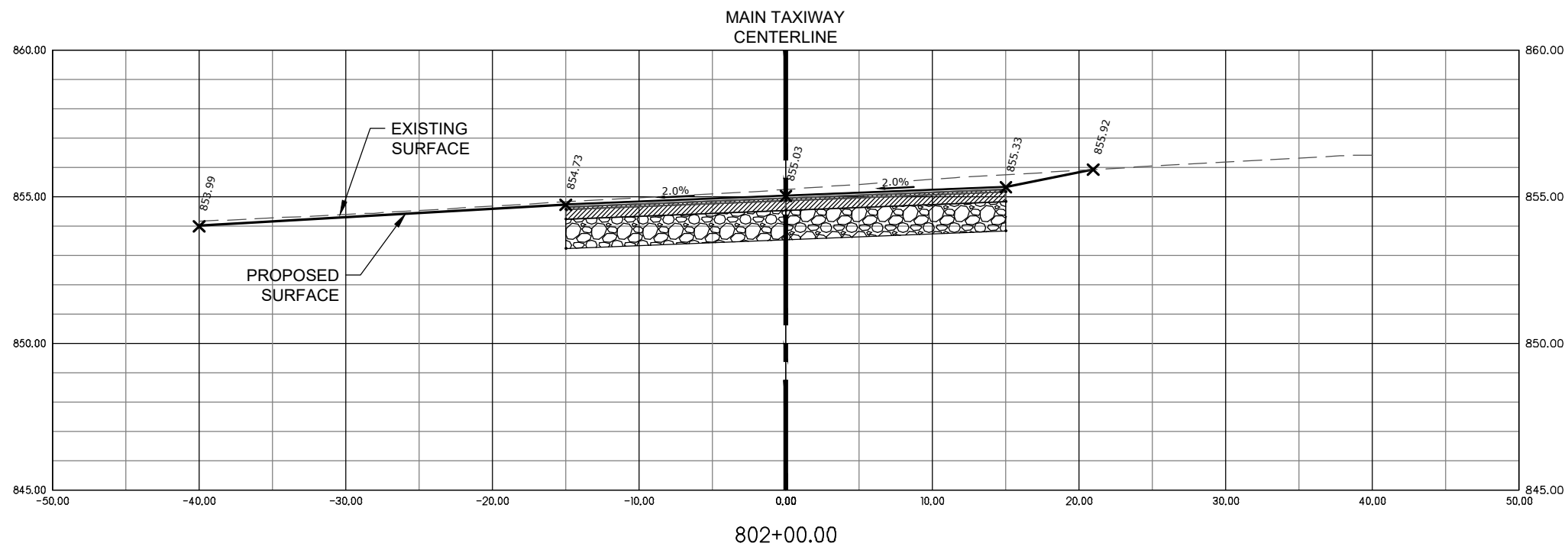
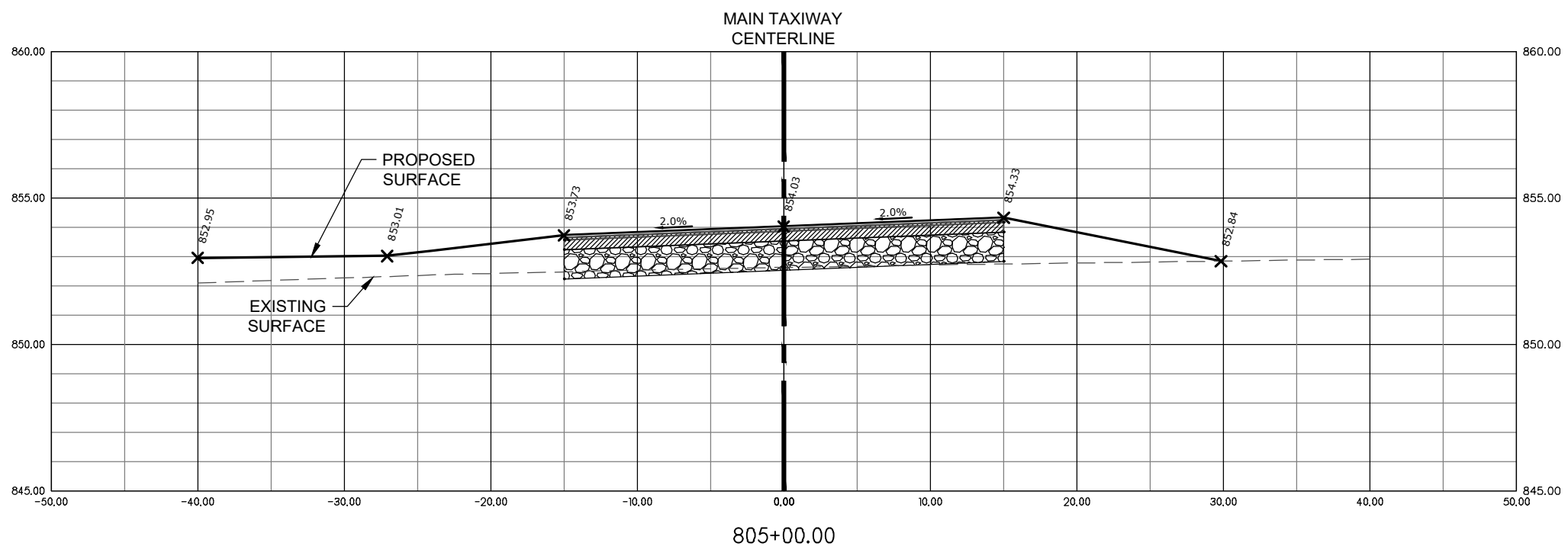
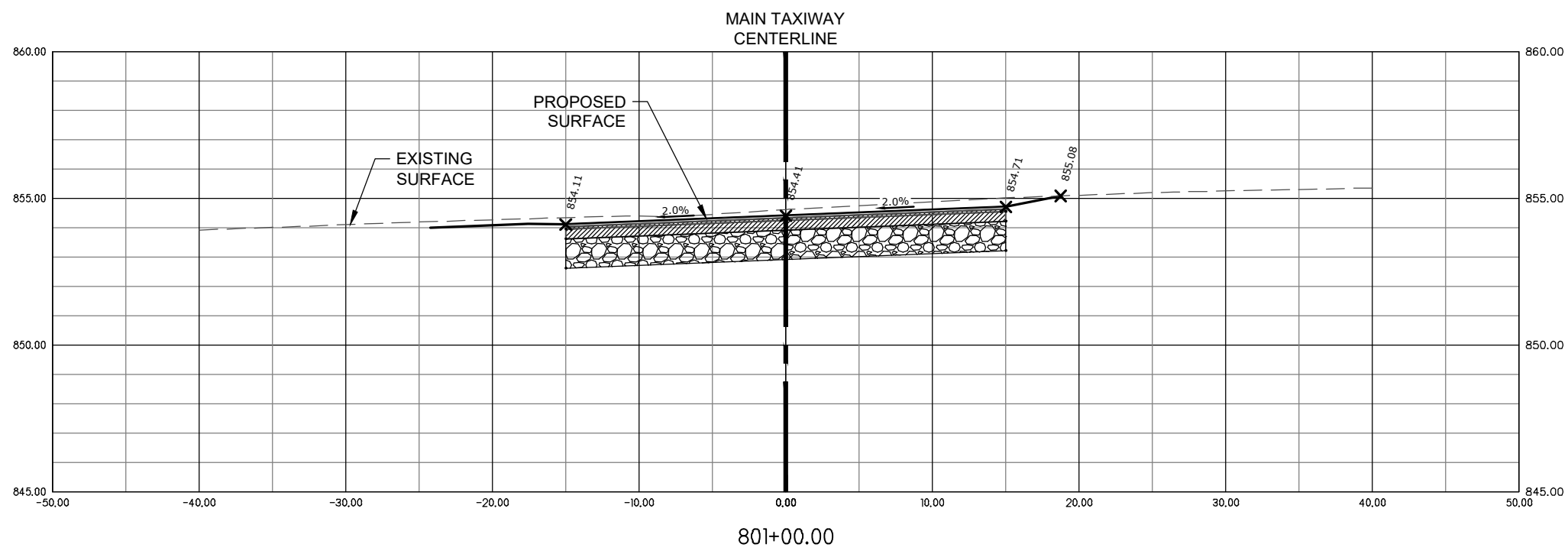
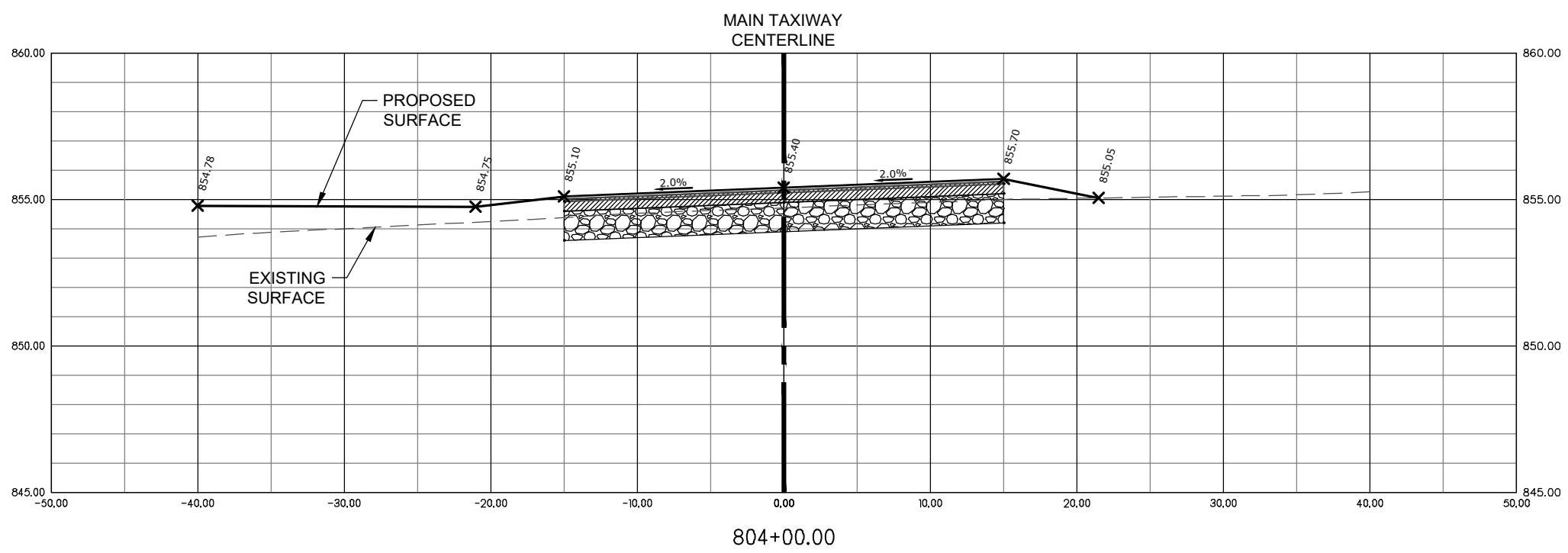
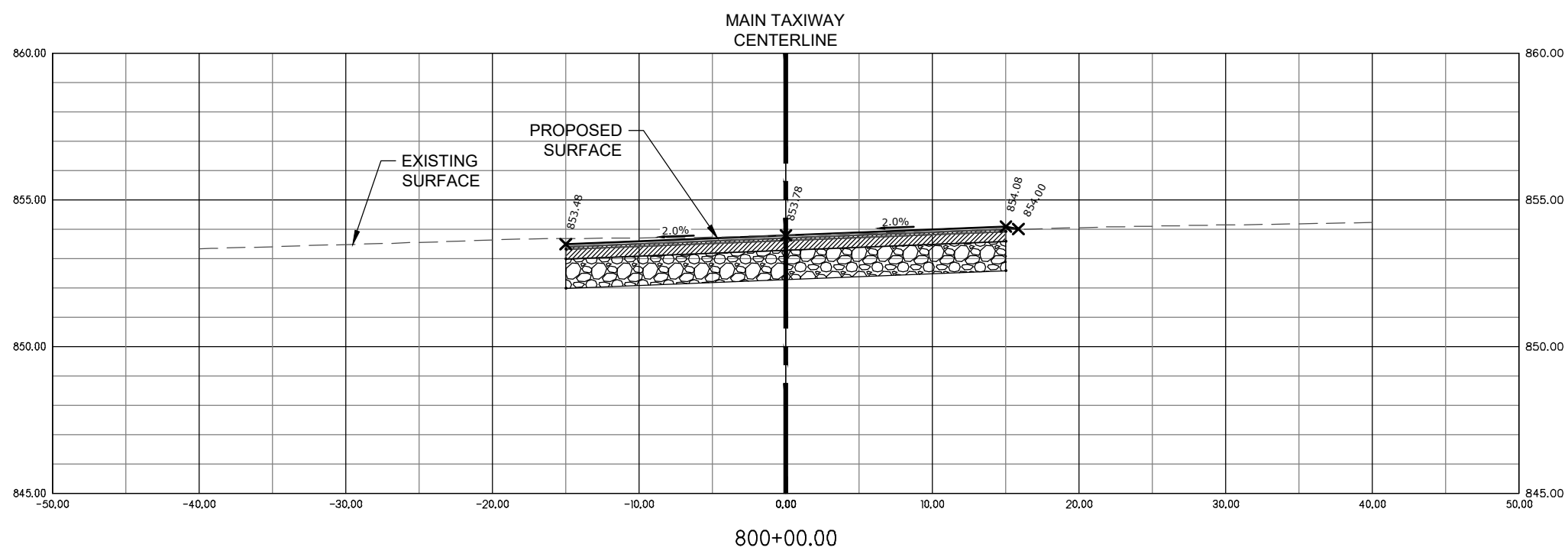
MAIN TAXIWAY
CROSS
SECTIONS STA.
800+00 - 806+00

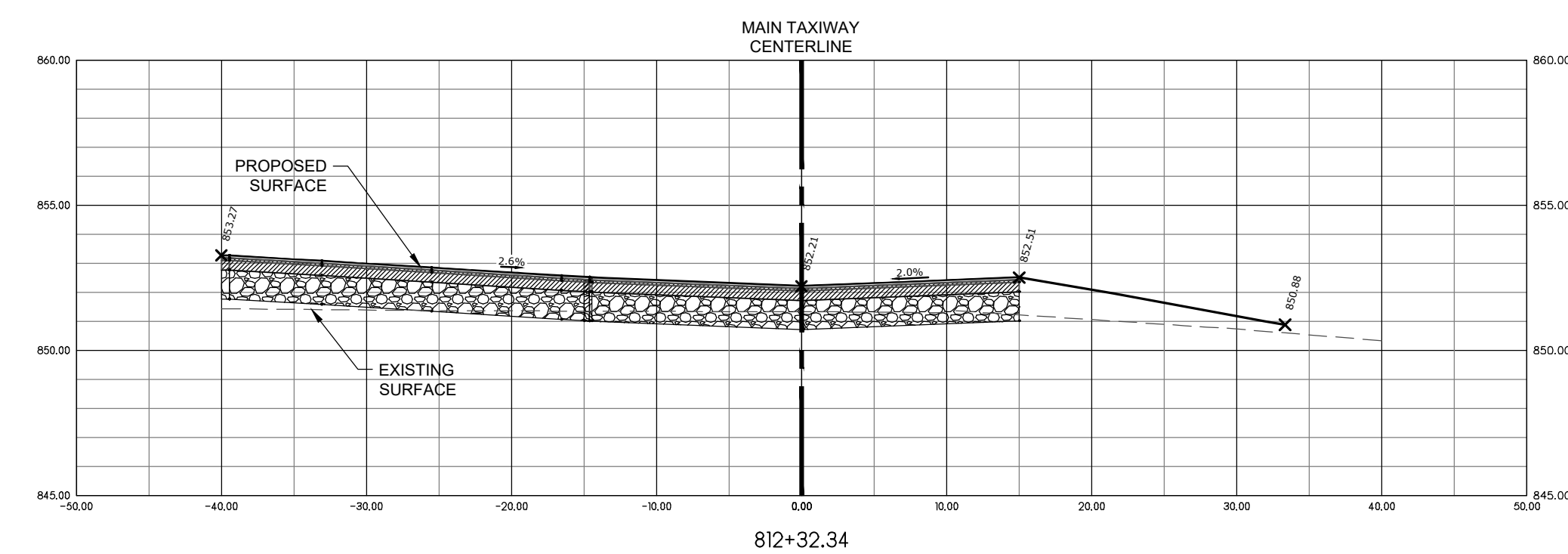
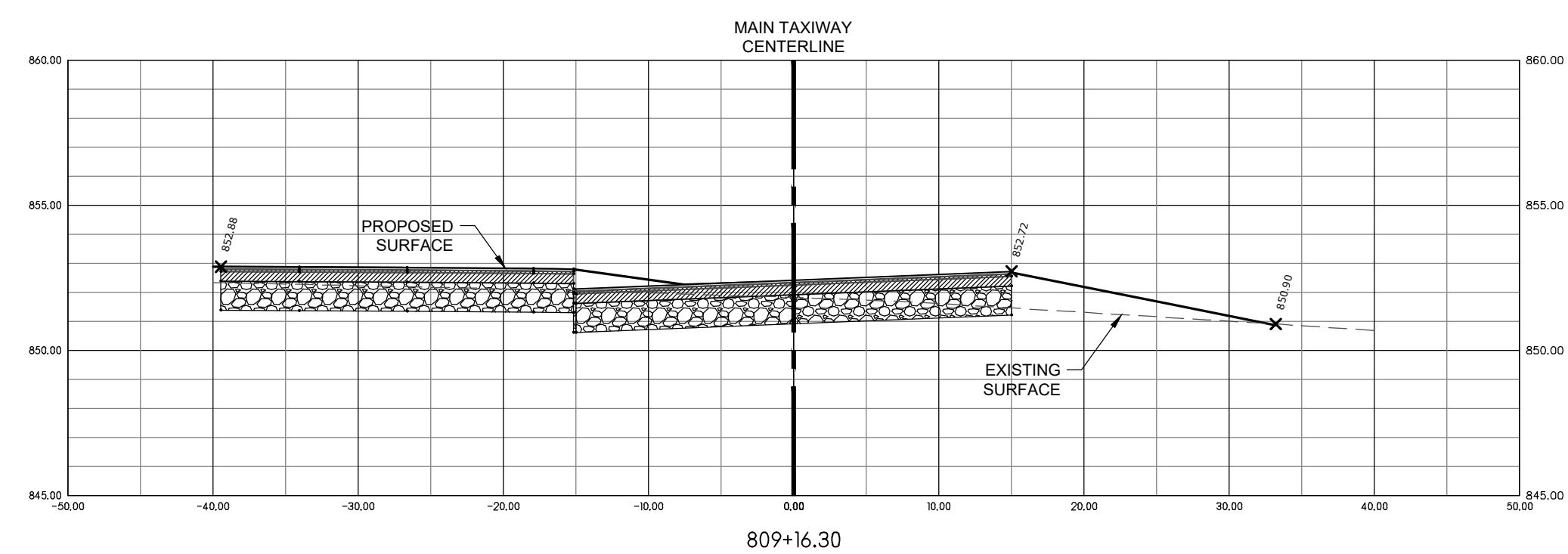
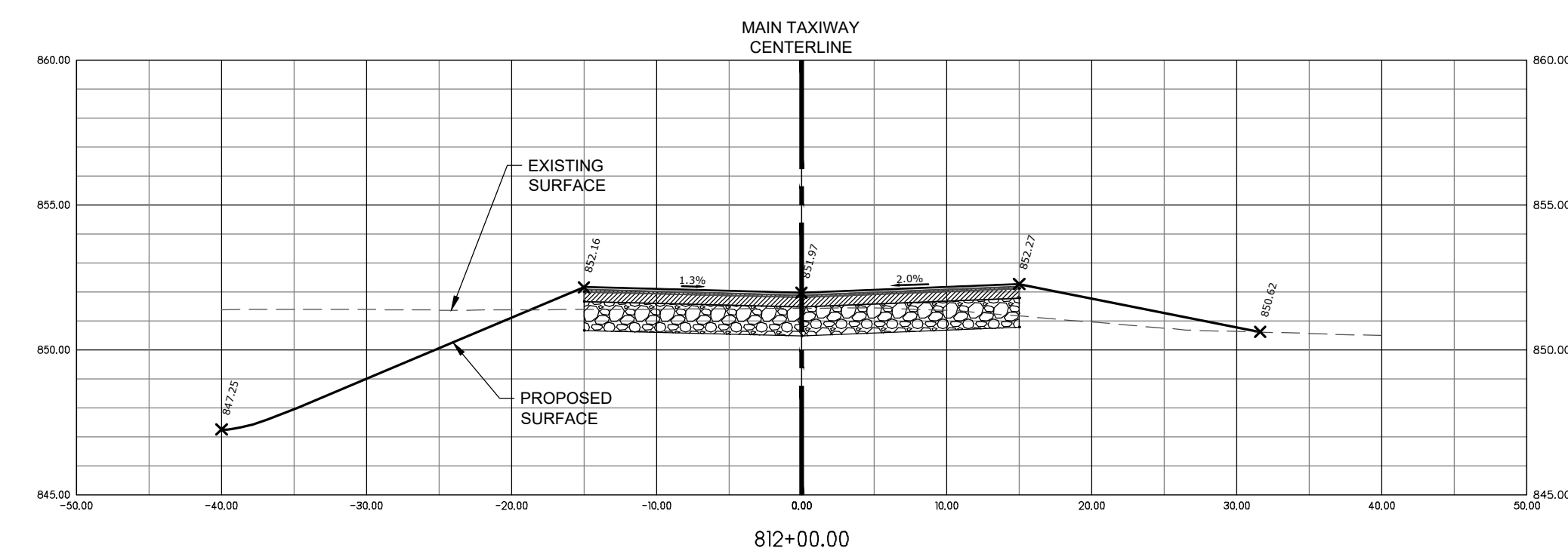
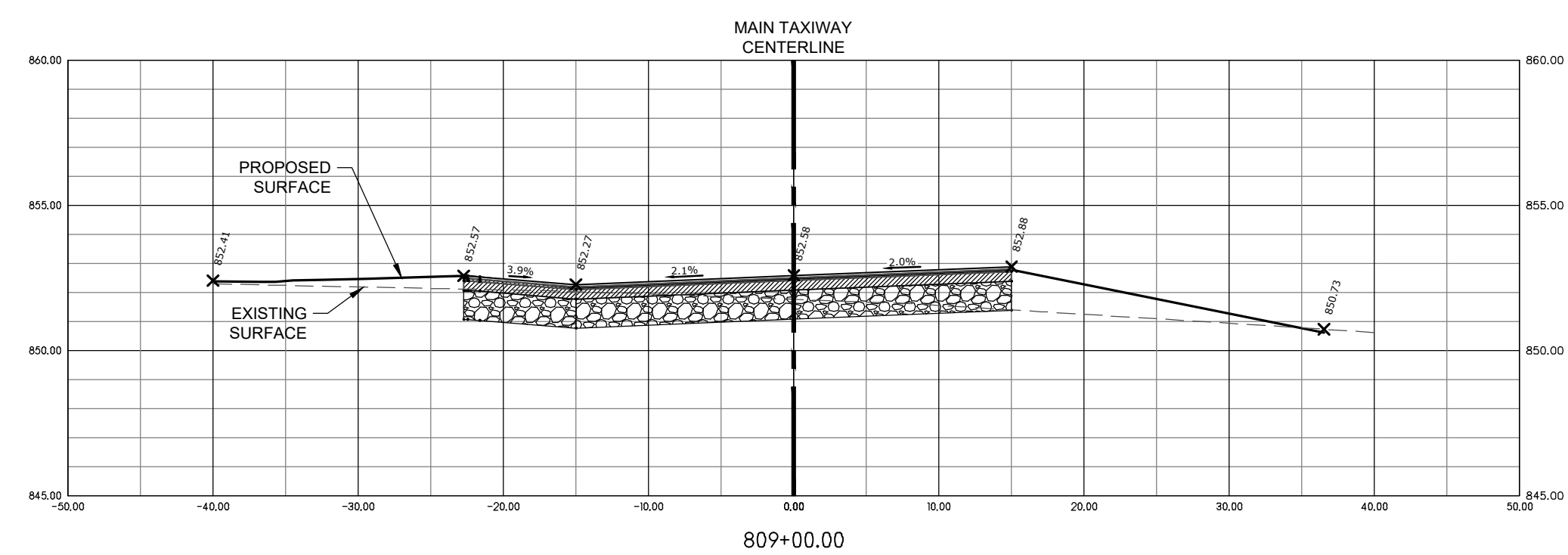
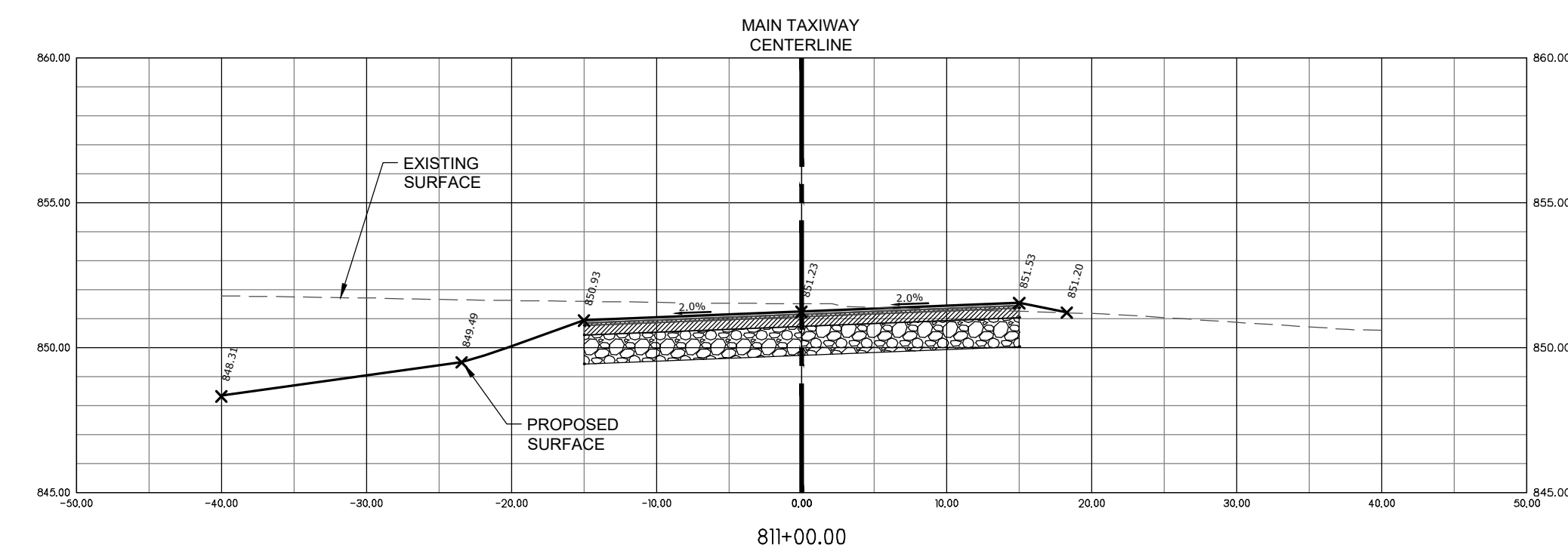
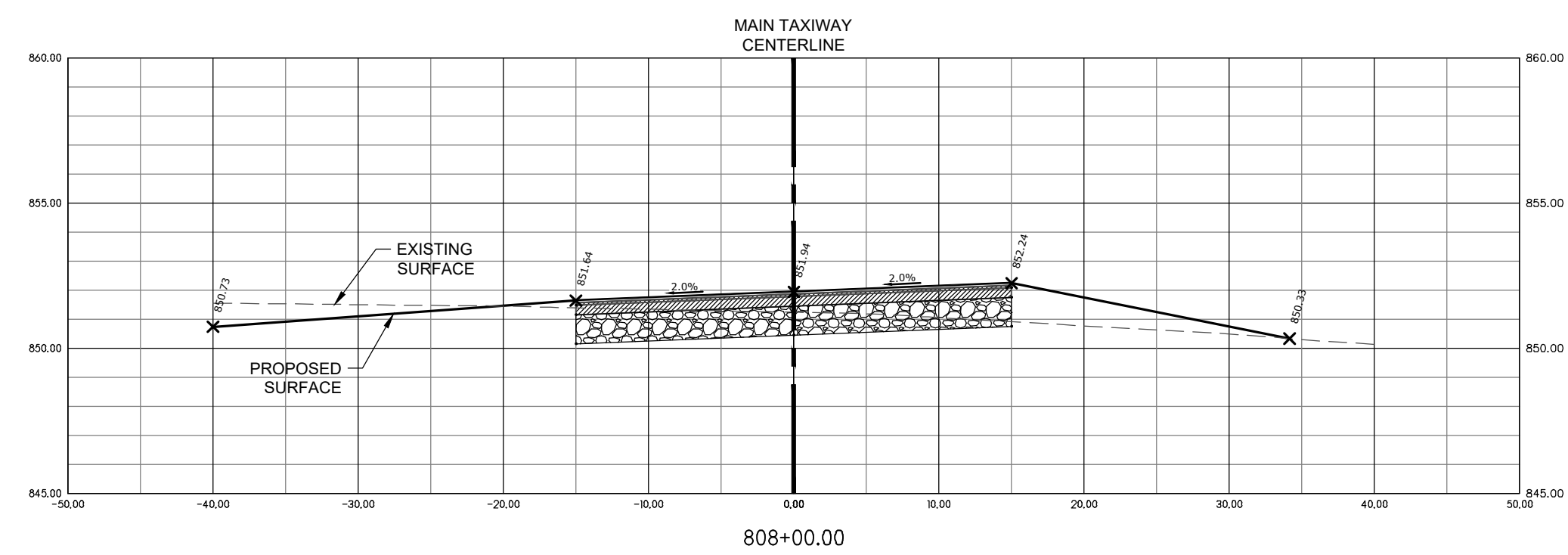
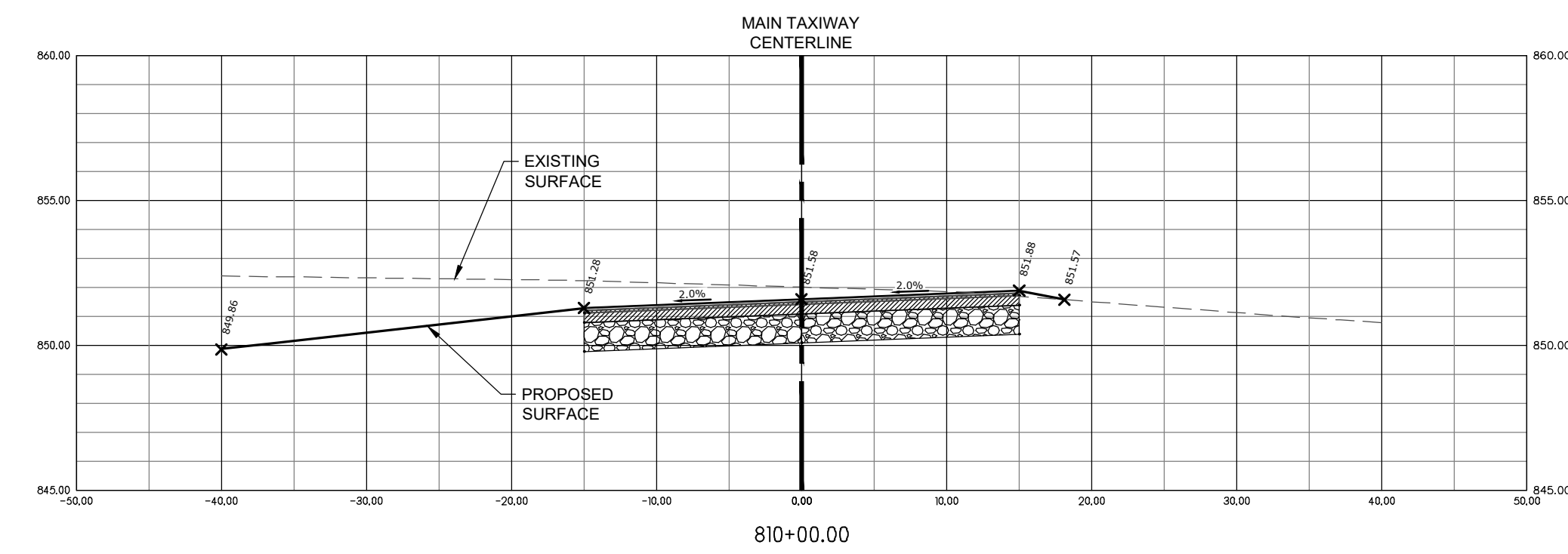
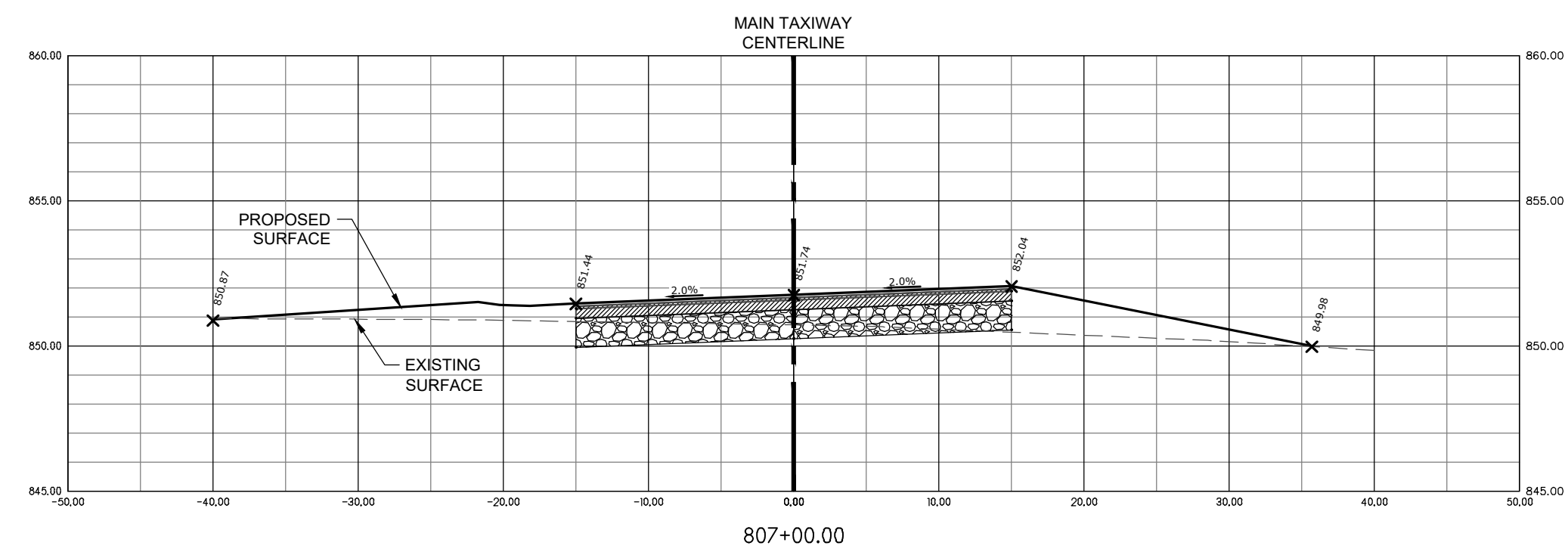
DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-51





PROJECT NAME _____
OWNER'S NAME _____

POPLAR GROVE
AIRPORT
EXPANSION

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---

REVIEWS	
ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

MAIN TAXIWAY
CROSS
SECTIONS STA.
807+00 -
812+32.34

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

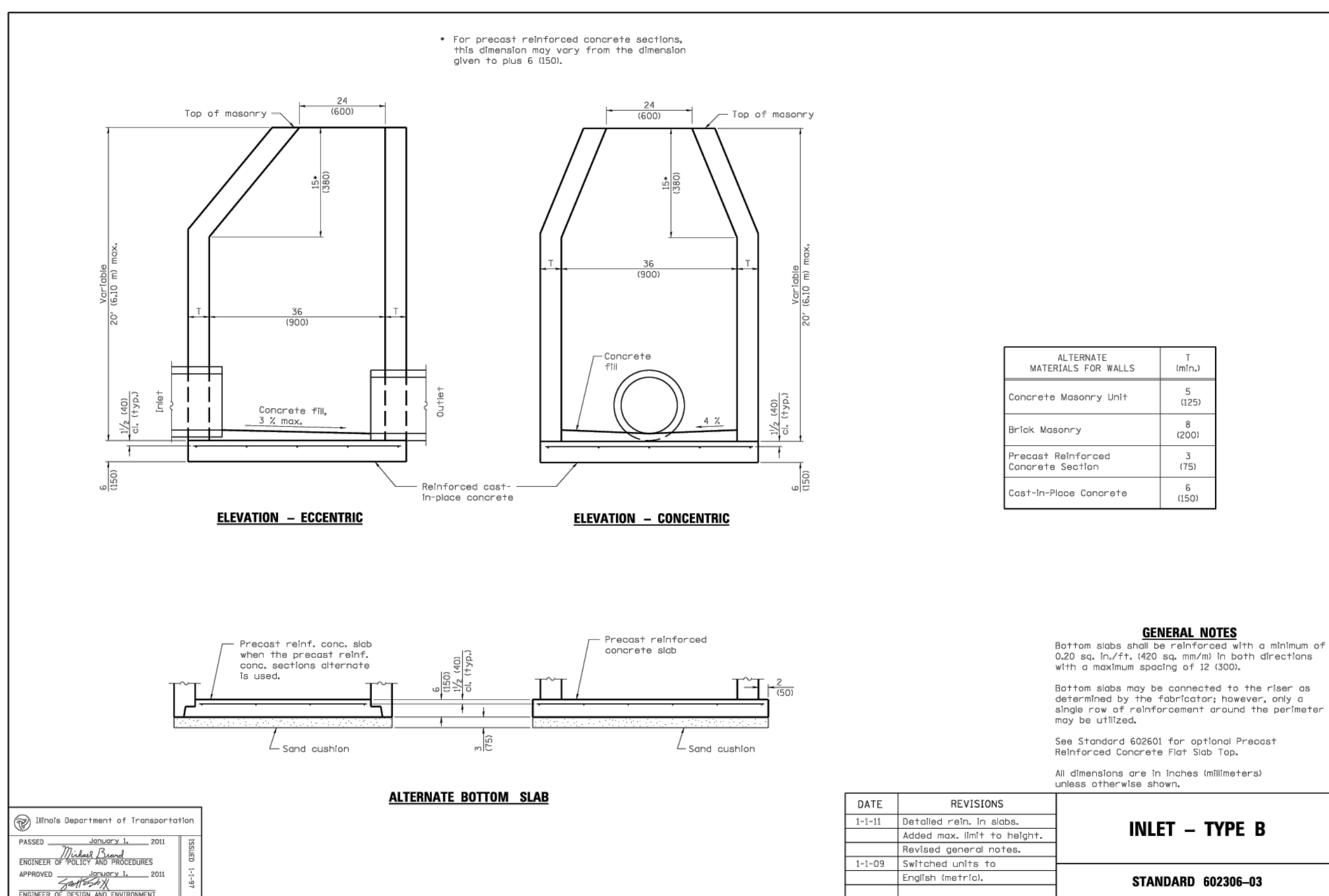
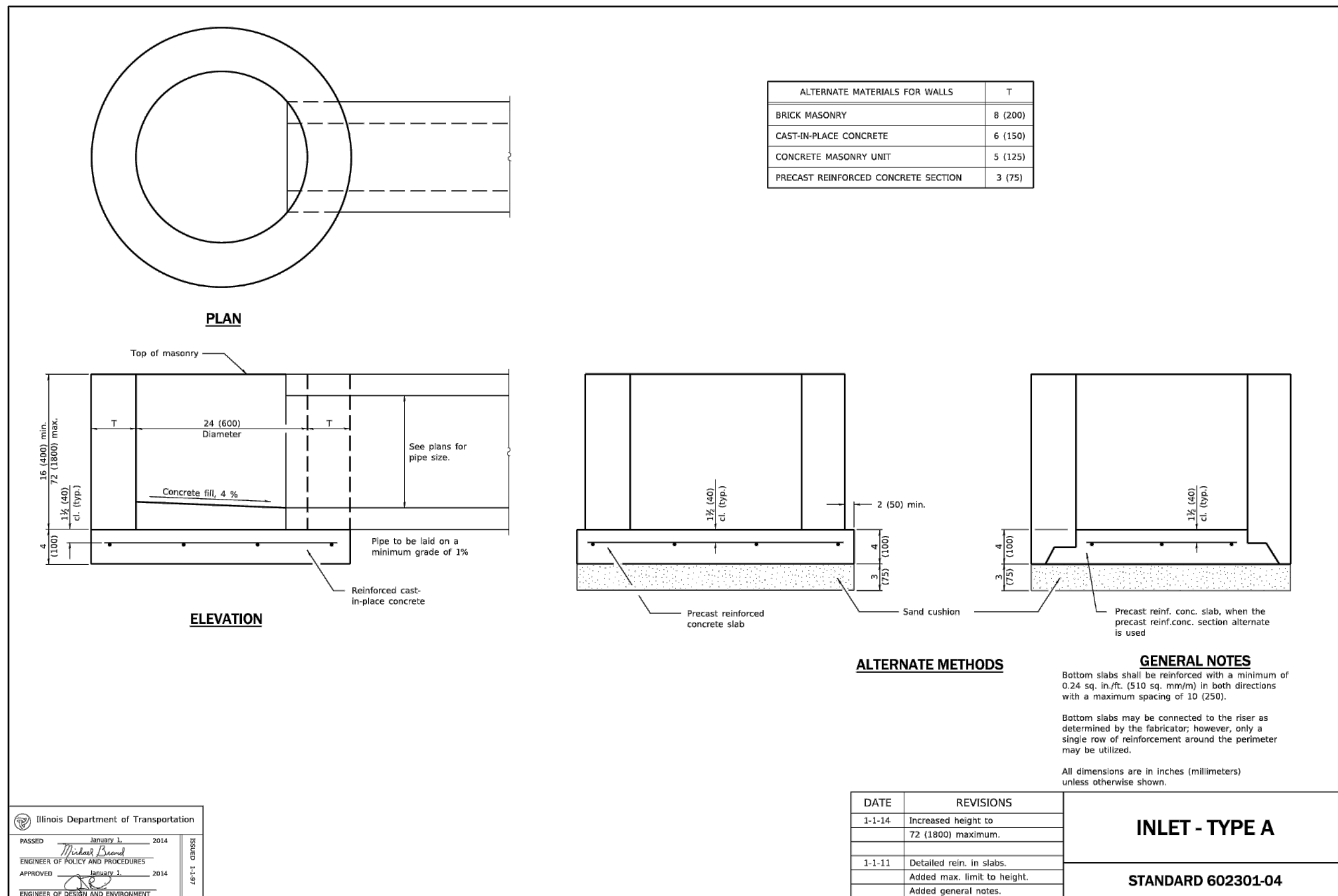
ISSUED FOR

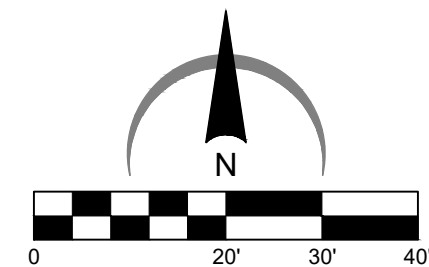
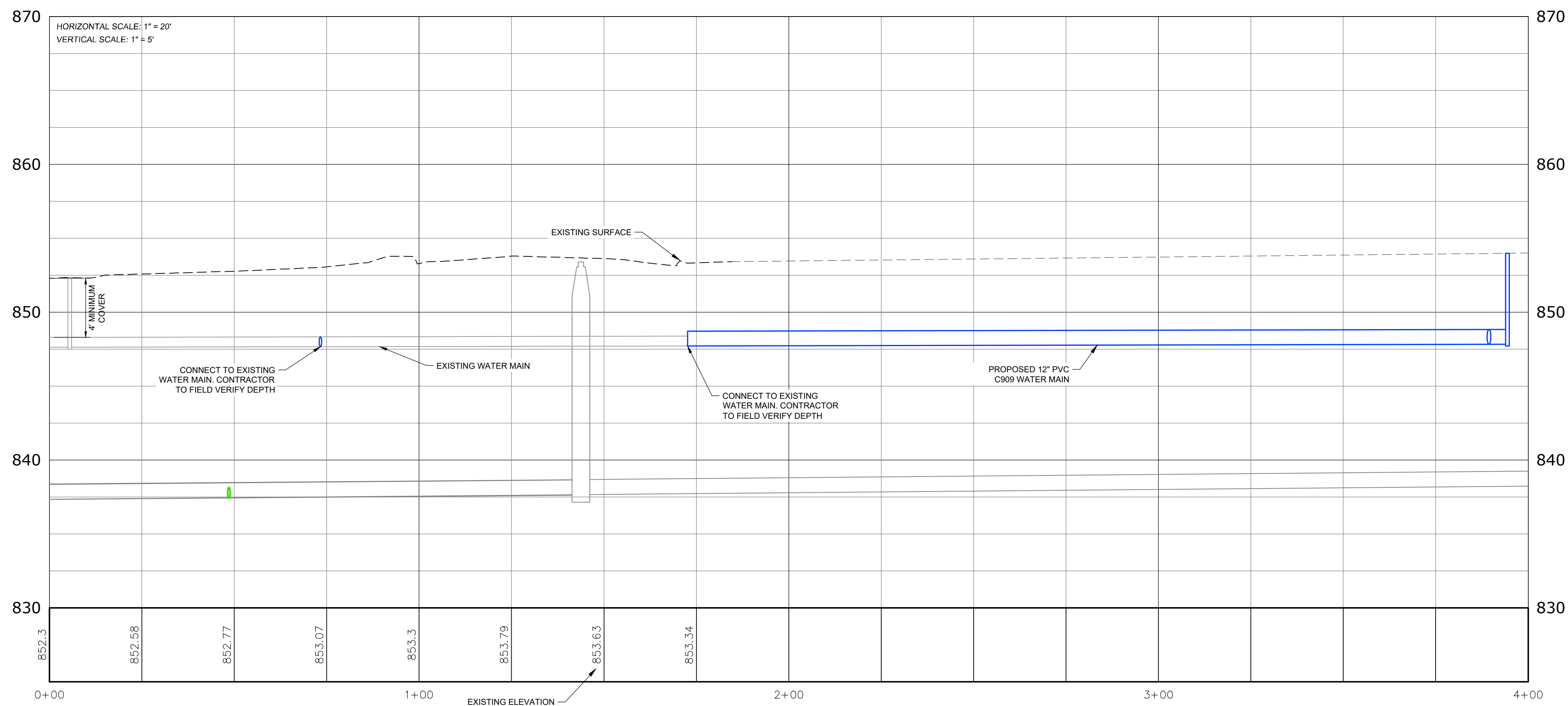
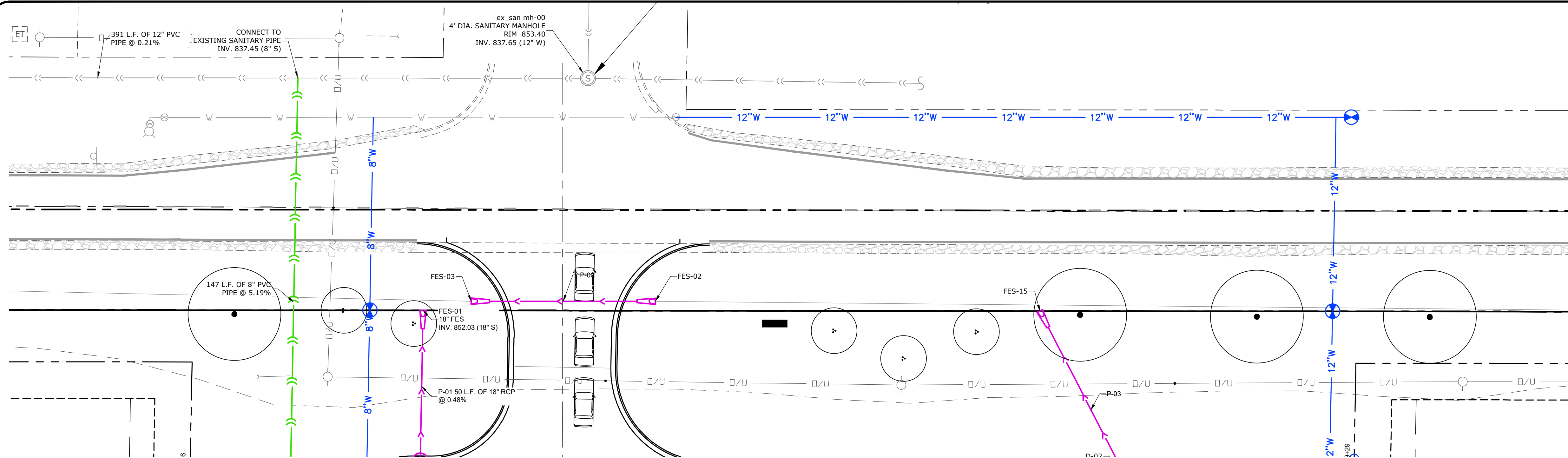
REVISIONS	
ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

DRAWN	TRS
CHECKED	LND
PM	RCS

C-53





ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. AGENCY REVIEW		06-27-2025
3. ---		---
4. ---		---
5. ---		---
6. ---		---
7. ---		---
8. ---		---
9. ---		---
10. ---		---
11. ---		---
12. ---		---
REVISIONS		DATE
1. ---		---
2. ---		---
3. ---		---
4. ---		---
5. ---		---
6. ---		---

SHEET TITLE

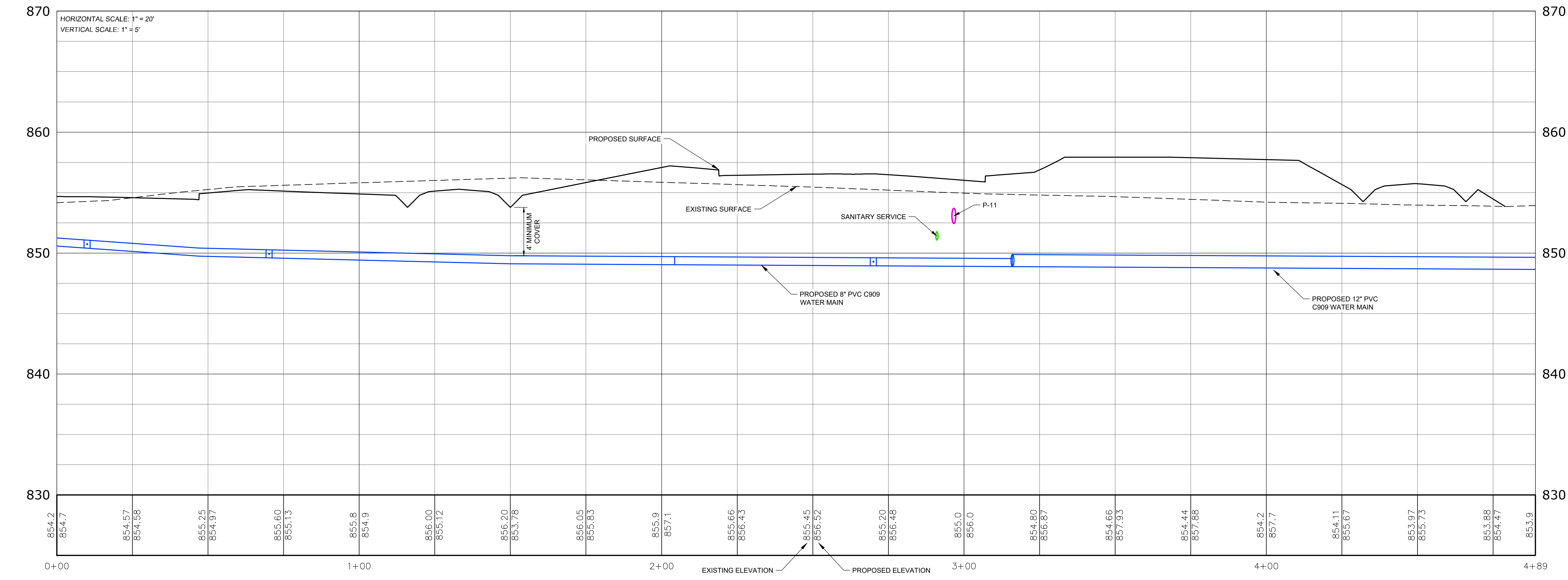
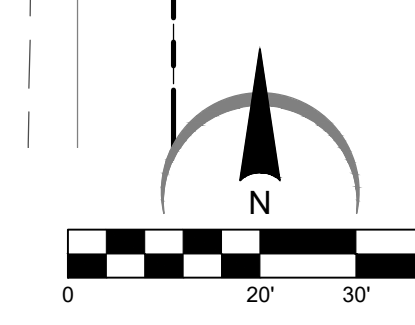
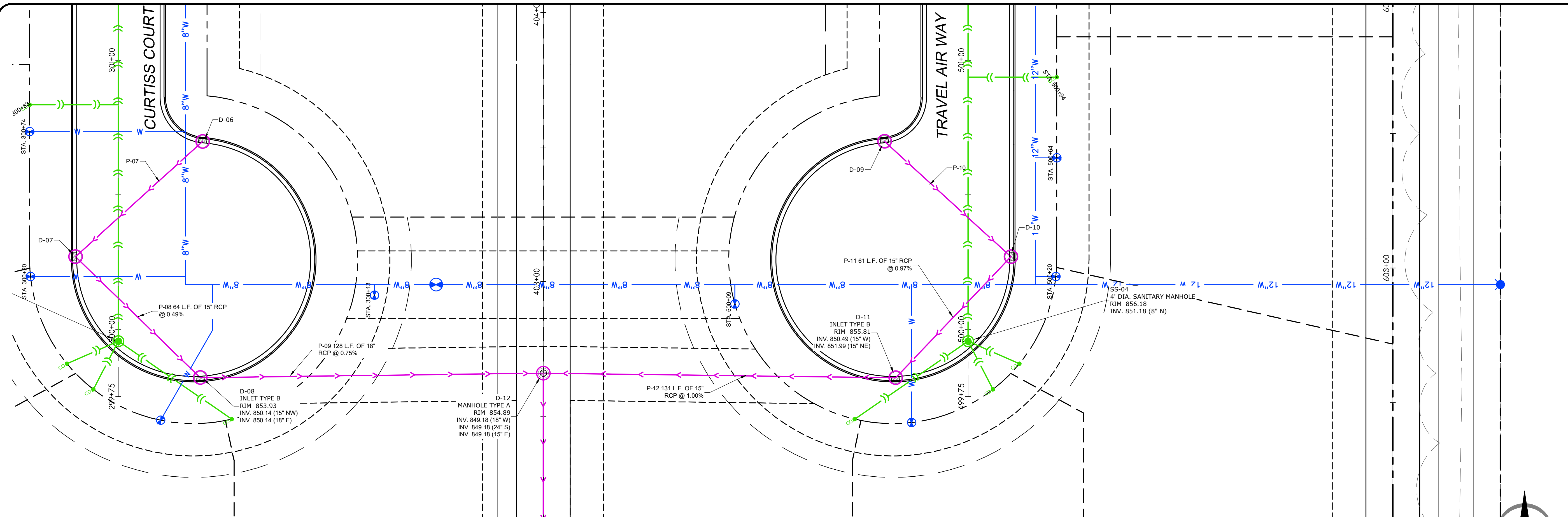
**NORTH WATER
MAIN PROFILE**

DRAWN	TRS
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-55



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Illinois Design Firm License No. 184-001334

PROJECT NAME
OWNER'S NAME

**POPLAR GROVE
AIRPORT
EXPANSION**

11619 IL-76
POPLAR GROVE, IL 61065
BOONE COUNTY

STEVE THOMAS
11619 IL-76
POPLAR GROVE, IL 61065
(815) 544-2300

CONSULTANTS

ISSUED FOR		DATE
1. AGENCY REVIEW		03-17-2025
2. AGENCY REVIEW		06-27-2025
3. --		--
4. --		--
5. --		--
6. --		--
7. --		--
8. --		--
9. --		--
10. --		--
11. --		--
12. --		--
REVISIONS		DATE
1. --		--
2. --		--
3. --		--
4. --		--
5. --		--
6. --		--

SHEET TITLE

**SOUTH WATER
MAIN PROFILE**

DRAWN TRS
CHECKED LND
PM RCS

PROJECT NUMBER
SHEET NUMBER

24033

C-56