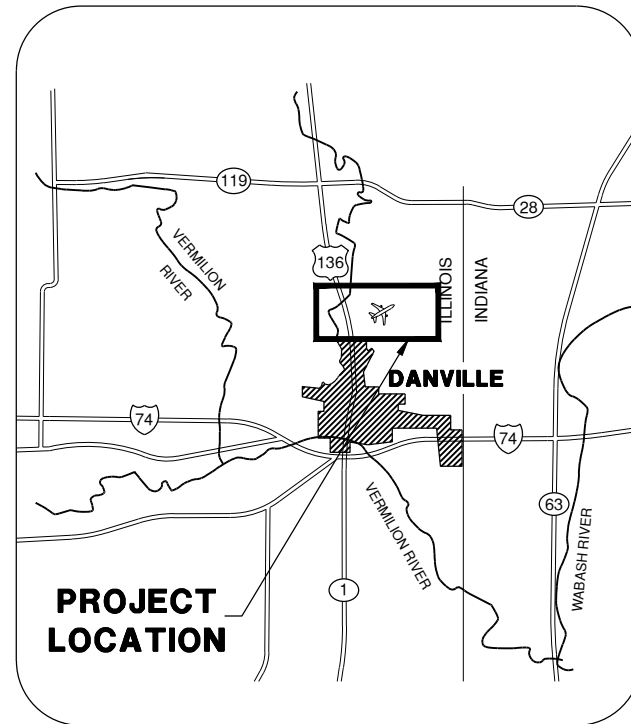


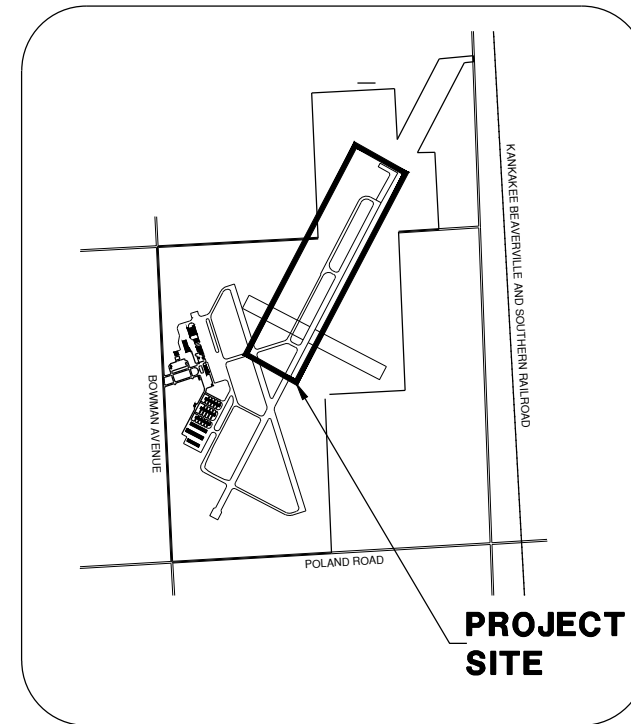
# FOR BID CONSTRUCTION PLANS FOR VERMILION REGIONAL AIRPORT AUTHORITY VERMILION REGIONAL AIRPORT DANVILLE, ILLINOIS

## IL. PROJ. NO. DNV-4742 FED PROJ. NO. 3-17-SBGP-156/162/171/TBD REALIGN TAXIWAY A - PHASE 1

APRIL 22, 2022



LOCATION MAP



SITE PLAN

**811** Know what's below. Call before you dig. COMMON GROUND ALLIANCE www.call811.com or Phone: 811

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

CALL J.U.L.I.E. BEFORE EXCAVATING  
1-800-892-0123  
TOWNSHIP: 20 NORTH  
RANGE: 11 WEST  
SECTION: 15  
COUNTY: VERMILION  
CIVIL TOWNSHIP: NEWELL

COMMON TRAFFIC ADVISORY FREQUENCY 122.7  
APPROXIMATE MAXIMUM HEIGHT OF EQUIPMENT ABOVE GROUND IS 25 FT.

APPROVED *Alexandra M. Gale*  
DATE 4/22/22

EXP 11/30/23  
ERIC HILLS  
062-070576  
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS  
*Eric Hills*  
4/22/22

**CMT**  
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SUBMITTED BY *Eric Hills*  
DATE APRIL 22, 2022  
CMT JOB NUMBER: 190042-02

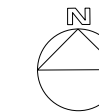
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UPDATE BY: Eric Hills  
PLOT DATE: 5/16/2022 10:31 AM





License No. #####

CONSULTANTS



0 300' 600'

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT

VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK | DATE | DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	
IL PROJ. NO. DNV-4742	CONTRACT: VE055
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-GH01.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
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SHEET TITLE




AIRPORT SITE PLAN

G1101  
SHEET 3 OF 70

GENERAL NOTES

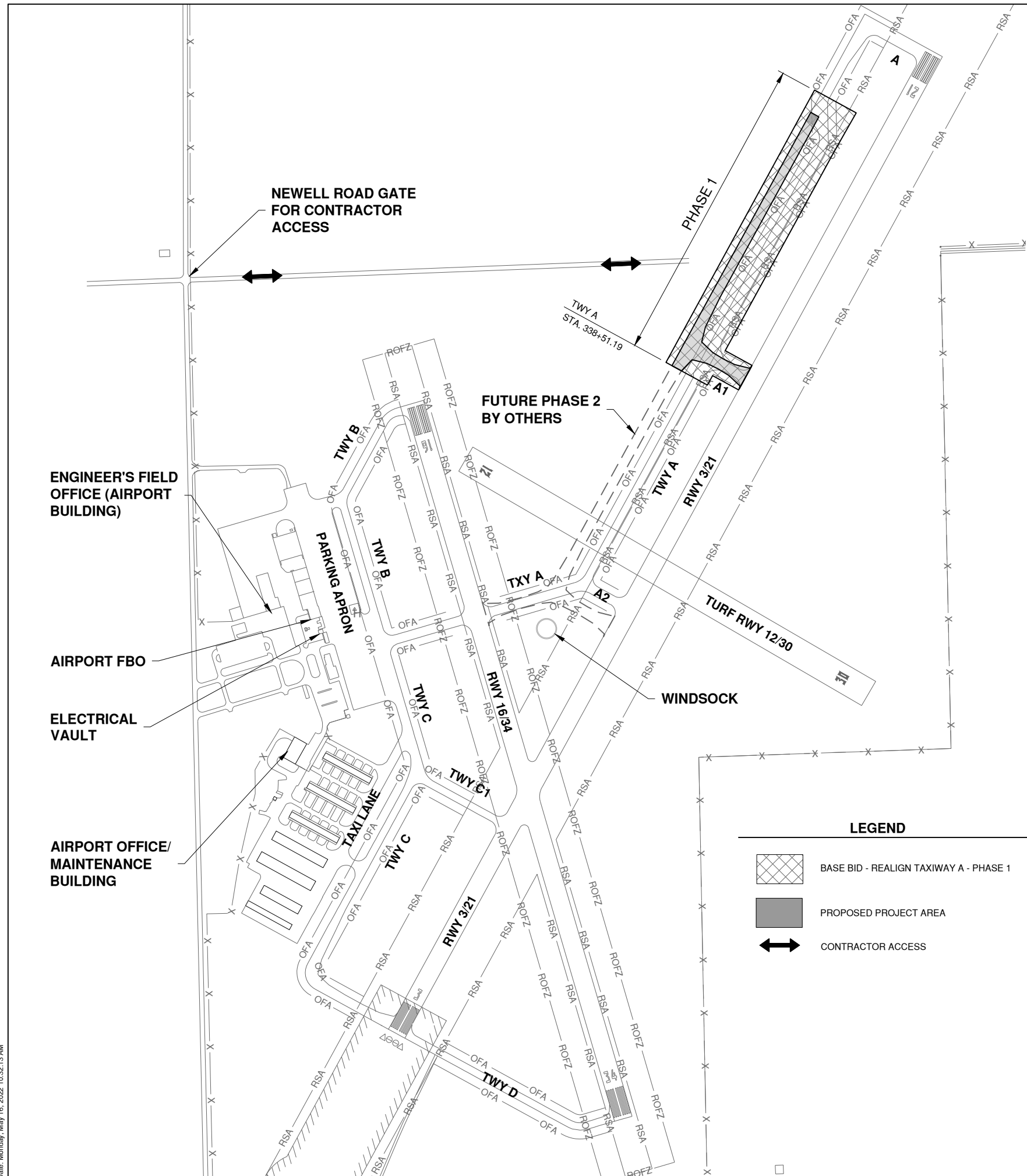
- ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRPORT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION ACTIVITY PLAN.
- ALL CONSTRUCTION TRAFFIC OPERATING ON OR CROSSING RUNWAYS, TAXIWAYS, AND APRONS OPEN TO AIRCRAFT TRAFFIC SHALL BE UNDER CONTROL OF FLAGMAN MONITORING RADIO TRANSMISSIONS ON UNICOM FREQUENCY 122.7 MHz. THE CONTRACTOR SHALL PROVIDE HIS OWN RADIOS AND ONLY HIS PERSONNEL WHO ARE FAMILIAR WITH AIRCRAFT OPERATIONS.
- WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT MANAGER.
- THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN. THE MAXIMUM HEIGHT OF EQUIPMENT, MATERIALS AND STOCKPILES SHALL BE 25' ABOVE GROUND ELEVATION.
- ANY MISCELLANEOUS REMOVALS SHALL BE DISPOSED OF BY THE CONTRACTOR OFF OF AIRPORT PROPERTY, BUT THE AIRPORT SHALL HAVE THE OPTION FOR THE USE OF THE BITUMINOUS MILLINGS GENERATED FROM THE WORK COMPLETED ON THIS PROJECT. OWNERSHIP OF THE MILLINGS WILL BE DECIDED BEFORE MILLING OPERATIONS BEGIN AND LOCATION FOR ON-SITE STOCKPILING IS DETERMINED IF AIRPORT RETAINS OWNERSHIP.
- ALL PAVEMENTS, DRIVES, OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- THE CONTRACTOR SHALL CONTINUOUSLY CLEAN CONSTRUCTION AREAS WHICH WILL BE OPENED TO AIR TRAFFIC.
- IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES WITHIN THE PROJECT SITE SO AS TO AVOID ANY DAMAGE. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER WHICH IS SATISFACTORY TO THE ENGINEER AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
- CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
  - THE CONTRACTOR'S ACCESS TO WORK SHALL BE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN.
  - THE CONTRACTOR SHALL COORDINATE ACCESS TO THE AIRFIELD WITH THE AIRPORT.
  - CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL TRAFFIC CONTROL SIGNAGE REQUIRED BY THE COUNTY, TOWNSHIP, OR I.D.O.T.
  - DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF THE CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE(S) CLOSED DURING AND AFTER WORK HOURS.
  - ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS NOT TO VIOLATE AIRPORT PART 77 SURFACES, OR RUNWAY AND TAXIWAY SAFETY AREAS AND OBJECT FREE AREAS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ACTIVE AIRFIELD PAVEMENTS WHICH ARE CROSSED BY HIS VEHICLES ACCESSING THE WORK OR DEPARTING THE WORK IMMEDIATELY FOLLOWING SAID VEHICLE.

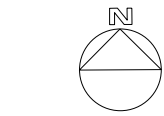
LEGEND

-  BASE BID - REALIGN TAXIWAY A - PHASE 1
-  PROPOSED PROJECT AREA
-  CONTRACTOR ACCESS

CTAF FREQUENCY - 122.70

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Date: Monday, May 16, 2022 10:32:13 AM





THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



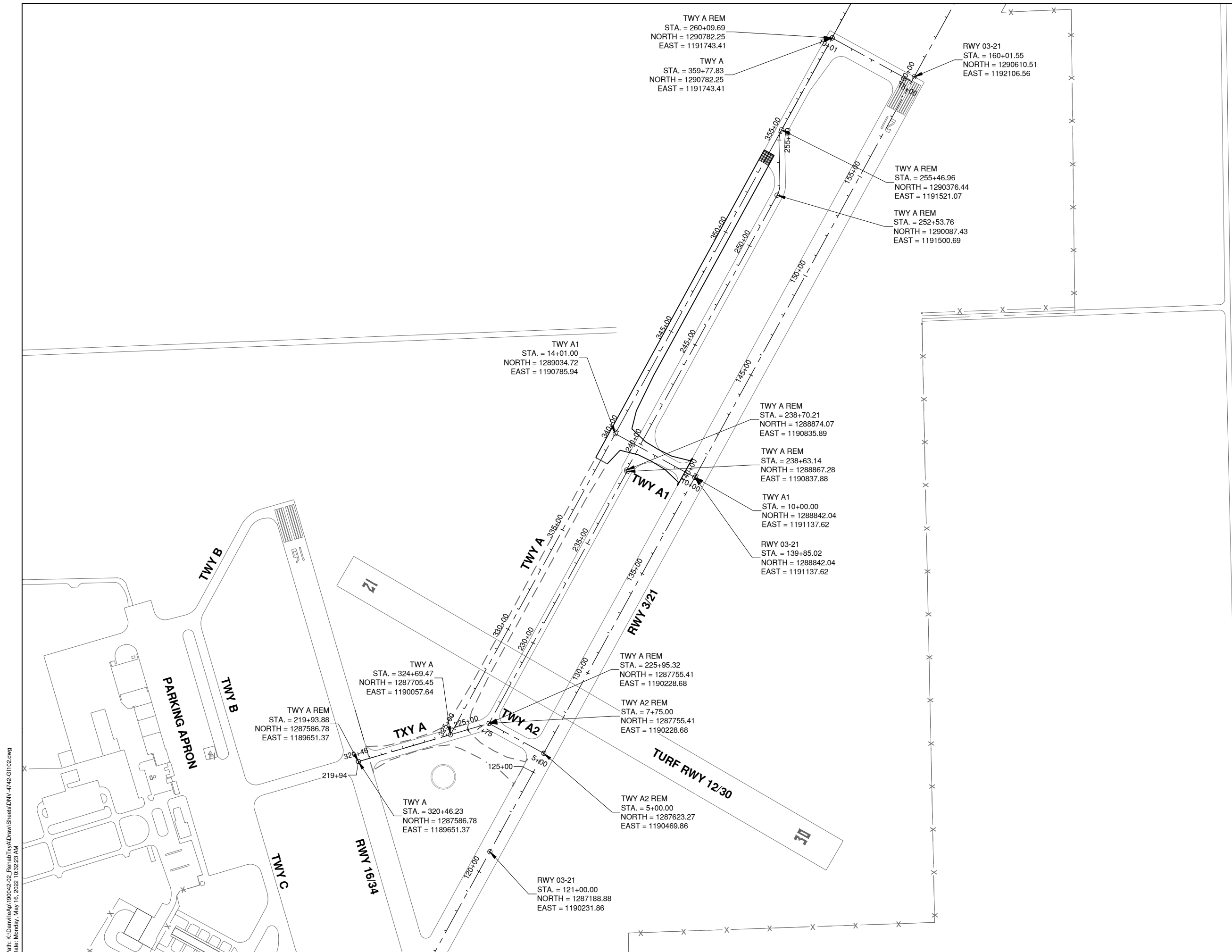
VERMILION REGIONAL  
AIRPORT

VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	
IL PROJ. NO. DNV-4742	CONTRACT: VE055
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-GH02.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
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SHEET TITLE  
**PROJECT CONTROL  
PLAN**



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Date: Monday, May 16, 2022 10:32:23 AM

**1. GENERAL**

- 1. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE AIRPORT'S APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), FAA AC 150/5370-2 (LATEST VERSION), AND ALL AIRPORT SAFETY AND SECURITY REQUIREMENTS.
- 2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE AIRPORT FOR APPROVAL A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA AC 150/5370-2 (LATEST VERSION). NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL THE AIRPORT HAS APPROVED THE SPCD.
- 3. THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL AND MEETING OSHA REQUIREMENTS.
- 4. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS.
- 5. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SIGN THE SWPPP CERTIFICATION STATEMENT.
- 6. ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A SPECIFIC PAY ITEM IS PROVIDED.

**2. COORDINATION**

- 1. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE AIRPORT, ENGINEER, AND ILLINOIS DIVISION OF AERONAUTICS (IDA). THE COST OF PREPARING FOR AND ATTENDING THE PRECONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT.
- 2. ON OR BEFORE THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE FOR THE PROJECT. THE SCHEDULE SHALL INCLUDE A START AND COMPLETION DATE FOR EACH ITEM OF WORK. THE SCHEDULE SHALL BE UPDATED ON A WEEKLY BASIS. ALL COSTS ASSOCIATED WITH THE SCHEDULE SHALL BE INCIDENTAL TO THE CONTRACT.
- 3. DURING CONSTRUCTION THE CONTRACTOR SHALL ATTEND A WEEKLY COORDINATION MEETING WITH THE AIRPORT STAFF AND RESIDENT ENGINEER. ALL COSTS ASSOCIATED WITH ATTENDING THE WEEKLY MEETING SHALL BE INCIDENTAL TO THE CONTRACT.

**3. PHASING**

- 1. PHASING SHALL BE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN (CAP) SHEETS.

**4. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY**

- 1. ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS ALLOWED IN THE PLANS.
- 2. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT.
- 3. ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

**5. PROTECTION OF NAVIGATION AIDS (NAVAIDS)**

- 1. THE CONTRACTOR SHALL REMAIN CLEAR OF THE ILS CRITICAL AREAS AND OTHER NAVAIDS FACILITIES AT ALL TIMES.

**6. CONTRACTOR ACCESS**

- 1. CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN IN THE PLANS. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. THE CONTRACTOR IS TO ACCESS THE SITE USING THE GATES SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE(S) CLOSED DURING AND AFTER WORK HOURS OR THE CONTRACTOR SHALL POST A COMPETENT SECURITY GUARD TO CONTROL ACCESS AT THE GATE. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS AS DIRECTED.
- 3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE PUBLIC ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL REQUIREMENTS, LOAD RESTRICTIONS, & TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP, OR I.D.O.T. THE CONTRACTOR SHALL ENTER A ROAD USE AGREEMENT WITH THE ROAD DISTRICT OF ADAMS COUNTY, ILLINOIS.
- 4. CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE MARKED AND FLAGGED PER THE PLAN DETAILS AND SPECIFICATIONS. MAXIMUM HEIGHT OF CONTRACTOR'S EQUIPMENT WILL BE 25'.
- 5. DRIVERS OF TRUCKS CONTAINING MATERIAL DELIVERIES (AGGREGATE, CONCRETE, ETC.) SHALL BE UNDER THE CONTROL OF AND SUPERVISED BY THE CONTRACTOR.

- 6. CONTRACTOR WORK CREWS MUST MAINTAIN RADIO CONTACT WITH AIR TRAFFIC AT ALL TIMES WITHIN THE MOVEMENT AREA. THE CONTRACTOR SHALL SUPPLY ALL APPROPRIATE RADIOS NEEDED FOR COMMUNICATIONS AND ONLY HIS PERSONNEL WHO HAVE SUCCESSFULLY PASSED THE APPROVED AIRPORT TESTS MAY OPERATE THESE RADIOS.

- 7. ALL CONSTRUCTION TRAFFIC OPERATING ON, OR CROSSING RUNWAYS, TAXIWAYS AND APRONS OPEN TO AIRCRAFT TRAFFIC SHALL BE UNDER CONTROL BY A FLAGMAN OR ESCORT IN RADIO CONTACT WITH AIR TRAFFIC. THE CONTRACTOR SHALL PROVIDE HIS OWN FLAGMEN.

- 8. THE CONTRACTORS STORAGE AND STAGING AREAS WILL BE AS SHOWN IN THE PLANS.
- 9. THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR.

- 10. WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE RETURNED TO & STORED AT THE STAGING AREA.

- 11. DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF THE CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE.

- 12. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE. EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER AND THE AIRPORT.

- 13. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH ARE OR WILL BE OPENED TO AIR TRAFFIC TO THE SATISFACTION OF THE AIRPORT. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC.

**6. CONTRACTOR ACCESS (CONTINUED)**

- 14. ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- 15. ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.

**7. WILDLIFE MANAGEMENT**

- 1. THE CONTRACTOR SHALL NOTIFY THE AIRPORT IF ANY WILDLIFE IS SEEN ON OR ENTERING THE AIRPORT.
- 2. CONTRACTOR ACCESS GATES SHALL REMAIN CLOSED WHEN THE CONTRACTOR IS NOT WORKING.
- 3. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING FOOD SCRAPS IN APPROVED CONTRACTOR PROVIDED CONTAINERS.
- 4. THE CONTRACTOR SHALL CONTROL GRASS HEIGHTS THROUGH MOWING TO ASSIST WITH WILDLIFE CONTROL.

**8. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT**

- 1. THE CONTRACTOR SHALL PICK UP ANY FOREIGN OBJECT DEBRIS (FOD) SEEN ON THE AIRFIELD PAVEMENTS.
- 2. THE CONTRACTOR SHALL SECURE ALL LOOSE ITEMS FROM VEHICLES PRIOR TO DRIVING ON AIRFIELD PAVEMENTS.

**9. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT**

- 1. THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS HANDLED ON THE JOBSITE.

**10. NOTIFICATION OF CONSTRUCTION ACTIVITIES**

- 1. THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
- 2. THE CONTRACTOR SHALL GIVE A MINIMUM OF 72 HOURS NOTICE TO THE AIRPORT PRIOR TO CLOSING ANY PAVEMENTS SO THAT PROPER NOTAMS MAY BE ISSUED BY THE AIRPORT.
- 3. FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT GREATER THAN 25', THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT THE TYPE OF EQUIPMENT, TOTAL HEIGHT, AND LOCATION WHERE THE EQUIPMENT WILL BE USED. THE AIRPORT WILL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
- 4. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.

**11. INSPECTION REQUIREMENTS**

- 1. THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2 (LATEST VERSION) MAY BE USED TO AID IN THE INSPECTIONS.
- 2. THE CONTRACTOR SHALL REQUEST AND ATTEND AN INSPECTION OF EACH PHASE WORK AREA PRIOR THE AREA BEING REOPENED. THE AIRPORT WILL DETERMINE IF THE WORK AREA IS SUITABLE TO BE OPENED.

**12. UNDERGROUND UTILITIES**

- 1. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER WHICH IS SATISFACTORY TO THE ENGINEER AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
- 2. BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. THE AIRPORT, AND CONTACT THE LOCAL FAA OFFICE (847-294-7336) TO ARRANGE FOR UTILITY LOCATES.

**13. PENALTIES**

- 1. NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP, THE CONTRACTOR'S APPROVED SPCD OR THE SECURITY PLAN MAY RESULT IN FINES AS ALLOWED BY LAW.
- 2. FINES CAN BE LEVIED AGAINST THE CONTRACTOR FOR NEGLIGENCE IF THE AIRPORT SECURITY IS COMPROMISED AND THE AIRPORT PERIMETER FENCE LINE IS NOT MAINTAINED AS SPECIFIED ABOVE. FINES CAN ALSO BE LEVIED AGAINST THE CONTRACTOR FOR FAILURE TO COOPERATE WITH THE AIRPORT MANAGEMENT AS REQUIRED TO MAINTAIN AIRPORT SECURITY.

**14. SPECIAL CONDITIONS**

- 1. ADJACENT CONSTRUCTION MAY IMPACT THE OPERATIONS OF THE CONTRACTOR. SEE THE COORDINATION NOTES FOR ADDITIONAL INFORMATION.

**15. RUNWAY AND TAXIWAY VISUAL AIDS**

- 1. ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRPORT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE PLANS.
- 2. IF ANY RUNWAY OR TAXIWAY CLOSURES ARE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE AIRPORT, THE CONTRACTOR SHALL USE MARKING, LIGHTING AND SIGNS THAT FOLLOWING THE REQUIREMENTS OF THE PLANS & FAA AC 150/5370-2 (LATEST VERSION.)
- 3. IMMEDIATELY UPON THE INITIATION OF EACH PROJECT PHASE, THE CONTRACTOR SHALL DE-ENERGIZE OR COVER LIGHTS FOR ALL CLOSED RUNWAYS AND TAXIWAYS DURING PAVEMENT CLOSURES. TEMPORARILY COVER OR DE-ENERGIZE AIRFIELD SIGNAGE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEETS.

**16. MARKING AND SIGNS FOR ACCESS ROUTES**

- 1. BARRICADES AND SIGNS SHALL BE USED ALONG THE CONTRACTOR'S ACCESS ROUTE AS DETAILED IN THE PLANS.

**17. HAZARD MARKING AND LIGHTING**

- 1. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCKPILES, AND HIS/HER CONSTRUCTION EQUIPMENT.
- 2. ALL CONSTRUCTION EQUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G AND 150/5210-5D (OR LATEST) AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM EQUIPMENT HEIGHT IS 25'.
- 3. BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE AIRPORT.
- 4. THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED LIGHTS AND FLAG PLACEMENT.

**18. WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION**

- 1. THE CONTRACTOR SHALL PROVIDE ADEQUATE LIGHTING DURING NIGHTTIME CONSTRUCTION.
- 2. ARTIFICIAL AREA LIGHTING SHALL CONSIST OF VEHICLE OR POLE MOUNTED FLOODLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL ONLY BE ALLOWED IN ADDITION TO THE AREA LIGHTING.
- 3. ARTIFICIAL AREA LIGHTING SHALL NOT RESTRICT OR VISUALLY INTERFERE WITH AIR TRAFFIC.
- 4. PLACEMENT & AIMING OF ARTIFICIAL LIGHTING SHALL BE APPROVED BY THE AIRPORT PRIOR TO START OF OPERATIONS.

**19. PROTECTION OF AREAS & SURFACES**

- 1. ALL WORK REQUIRED INSIDE OF THE RUNWAY 3/21 OR 16/34 SAFETY AREAS, WHICH EXTENDS 250' FROM THE RUNWAY CENTERLINE, WILL REQUIRE THE RUNWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.
- 2. ALL WORK REQUIRED ON AN ACTIVE TAXIWAY OR INSIDE OF AN ACTIVE TAXIWAY OBJECT FREE AREA, WHICH EXTENDS 93' FROM THE TAXIWAY CENTERLINE, WILL REQUIRE THE TAXIWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.

(NOTES CONTINUE ON SHEET GC002)



License No. 184-000613

CONSULTANTS

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT

VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK | DATE | DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD

IL PROJ. NO. DNV-4742 CONTRACT: VE055

CMT PROJECT NO: 190042-02

CAD DWG FILE: DNV-4742-GI003.DWG

DESIGNED BY: AJG

DRAWN BY: CMT

CHECKED BY: MJD

APPROVED BY: EMH

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SHEET TITLE

CONSTRUCTION  
ACTIVITY PLAN  
NOTES 1

SHEET 5 OF 70 GC001

(NOTES CONTINUED FROM SHEET GC001)

**20. OTHER LIMITATIONS ON CONSTRUCTION**

1. IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
2. BROKEN CONCRETE, BROKEN ASPHALT, RUBBISH FROM DEMO, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEGGAR TESTING ALL EXISTING CIRCUITS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION AS SPECIFIED IN THE SPECIFICATIONS.

**21. AIRPORT SECURITY REQUIREMENTS**

1. MAINTAINING THE SECURITY REQUIREMENTS OF THE AIRPORT SHALL BE A PRIMARY CONCERN FOR THE CONTRACTOR.
2. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR. THE SUPERINTENDENT AND FOREMAN SHALL BE DIRECTLY RESPONSIBLE FOR THE IDENTITY AND LOCATION OF THOSE THEY ARE SUPERVISING WHILE ON THE AIRFIELD.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING AIRPORT SECURITY BY SUPERVISING OPENINGS OR MAINTAINING THE AIRPORT PERIMETER FENCE LINE AT ALL TIMES.
4. THE CONTRACTOR SHALL COMPLETE A SECURITY FORM FOR ALL PERSONNEL HE PROPOSES TO USE ON THE AIRPORT. THESE FORMS SHALL BE COMPLETED PRIOR TO THAT PERSON BEING ALLOWED ON THE AIRFIELD. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL INSTALL AND USE TEMPORARY GATES FOR ACCESS TO THE AIRFIELD. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR HIS PADLOCK TO THE RESIDENT ENGINEER, THE MAINTENANCE SUPERVISOR, AND THE SECURITY CHIEF. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE INSTALLATION AND REMOVAL OF TEMPORARY ACCESS GATES.
6. THE CONTRACTOR SHALL PROVIDE A SIGN AT ALL ACCESS GATES STATING " AUTHORIZED PERSONNEL ONLY." ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



License No. 184-000613

CONSULTANTS

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT

VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK | DATE | DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	
IL. PROJ. NO. DNV-4742	CONTRACT: VE055
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-GI003.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
COPYRIGHT:	

SHEET TITLE

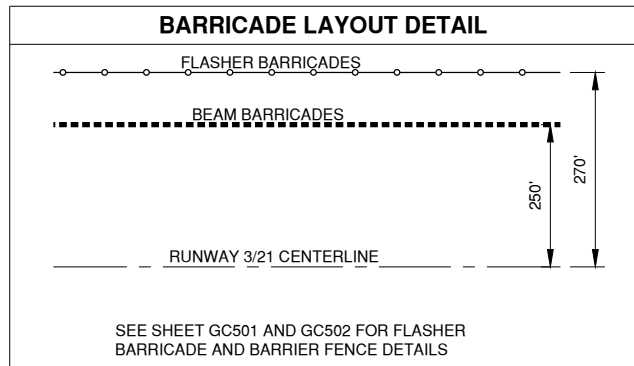
CONSTRUCTION  
ACTIVITY PLAN  
NOTES 2

GC002  
SHEET 6 OF 70



**PHASE 1A NOTES**

1. CONTRACTOR ACCESS FOR PHASE 1A SHALL BE THROUGH EXISTING GATE.
2. WORK TO BE COMPLETED WITHIN THIS PHASE SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
  - A. CONSTRUCT NEW PAVEMENT.
  - B. REMOVE AND DISPOSE OF EXISTING LIGHT BASES.
  - C. DEMOLISH EXISTING PAVEMENT.
  - D. PAVEMENT MARKING.
  - E. GRADING AND DRAINAGE IMPROVEMENTS.
  - F. CONSTRUCT NEW LIGHT BASES AND INSTALL NEW LIGHTING CIRCUITS.
  - G. CONSTRUCT NEW SIGN BASES AND SIGNS.
  - H. TURFING.
3. A DOUBLE BARRICADE LINE SHALL BE PLACED ALONG THE SAFETY AREA OF RUNWAY 3/21. SEE BARRICADE LAYOUT DETAIL THIS SHEET.



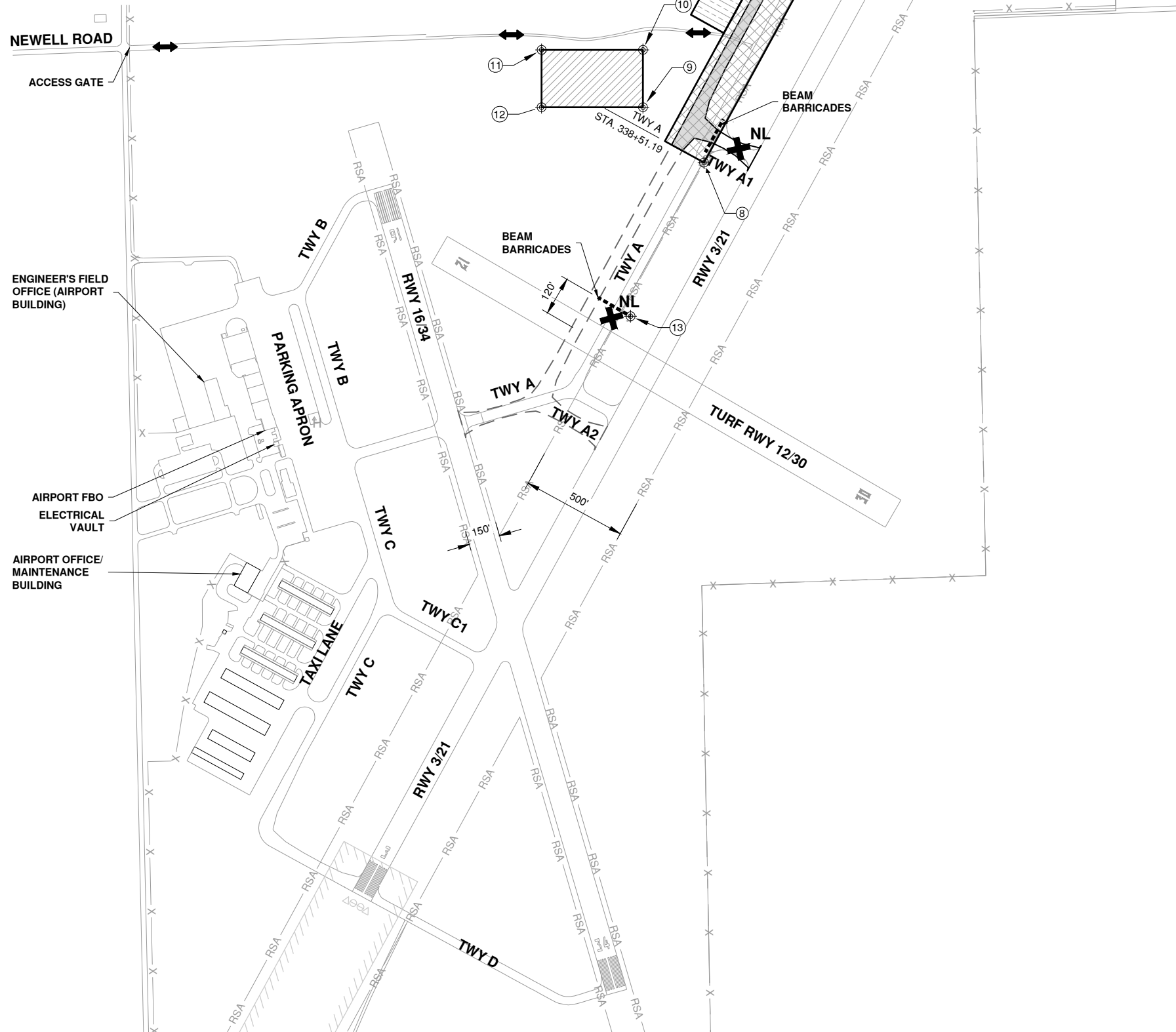
**PAVEMENT STATUS**

**PHASE 1: WORK AREA 1A**

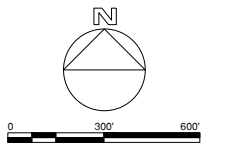
PAVEMENT	STATUS
RUNWAY 3/21	OPEN
RUNWAY 16/34	OPEN
RUNWAY 12/30	OPEN
TAXIWAY A	CLOSED NORTH OF RWY 3/21 AND TAXIWAY A2
TAXIWAY A1	CLOSED
TAXIWAY A2	OPEN

**LEGEND**

- BEAM BARRICADES
- FLASHER BARRICADE
- RUNWAY CLOSURE MARKER (LIGHTED)
- RUNWAY CLOSURE MARKER (PAINTED)
- TAXIWAY CLOSURE MARKER (PAINTED)
- TAXIWAY CLOSURE MARKER (TEMPORARY)
- CONTRACTOR'S ACCESS ROUTE
- CRITICAL POINT - SEE GC401
- PHASE 1 WORK AREA A
- STOCKPILE AREA
- STAGING AND STORAGE AREA
- PROPOSED PAVEMENT WORK AREA



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FOR BID  
APRIL 22, 2022

**REALIGN TAXIWAY A - PHASE 1**

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION
FED PROJ. NO.	3-17-SBGP-156/162/171/TBD	
IL. PROJ. NO.	DNV-4742	CONTRACT: VE055
CMT PROJECT NO.	190042-02	
CAD DWG FILE:	DNV-4742-GC411.DWG	
DESIGNED BY:	AJG	
DRAWN BY:	CMT	
CHECKED BY:	MJD	
APPROVED BY:	EMH	
COPYRIGHT:		

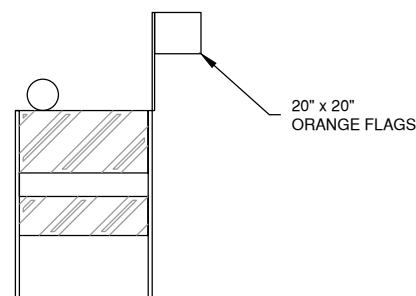
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ACTIVITY PLAN -  
PHASE 1A**

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Date: Monday, May 16, 2022 10:32:58 AM





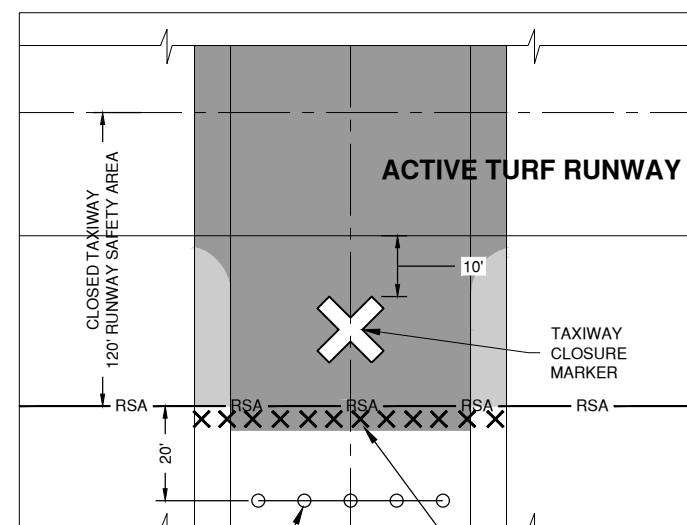




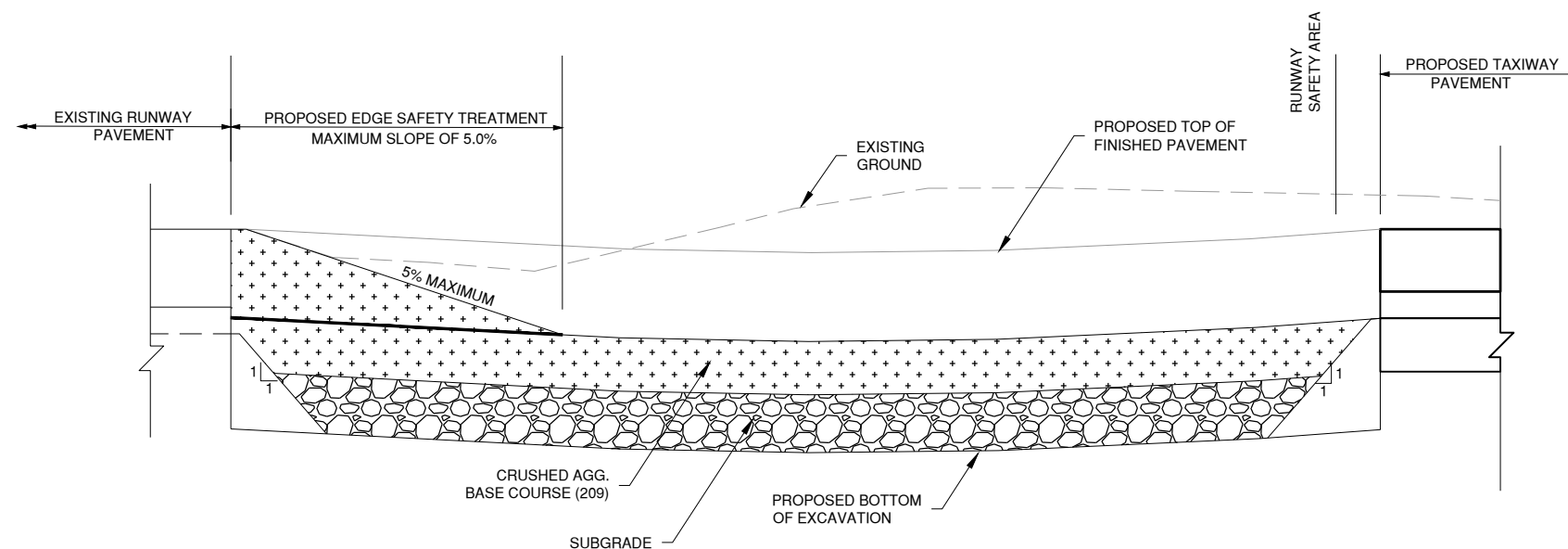
**1** **FLASHER BARRICADE DETAIL - IDOT TYPE 1**  
N.T.S

**FLASHER BARRICADE NOTES**

1. FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AT 20' INTERVALS.



**3** **CLOSED TAXIWAY / ACTIVE TURF RUNWAY BARRICADE DETAIL**  
N.T.S



**GENERAL NOTES:**

1. A MAXIMUM 3" DROP OFF ALLOWED WITHIN THE RUNWAY SAFETY AREA. THE SAFETY AREA EXTENDS 250' FROM THE CENTERLINE OUTWARD. THE CONTRACTOR SHALL PLAN THEIR LIMITS OF WORK ACCORDINGLY.
2. EDGE TREATMENT MUST BE IN PLACE AT THE END OF EVERY WORK PERIOD.
3. EDGE TREATMENT MUST BE USED ON ALL PHASES OF CONSTRUCTION DONE WITHIN 250' OF THE RUNWAY CENTERLINE.
4. COST ASSOCIATED WITH PAVEMENT TRANSITION WILL BE INCIDENTAL TO PROJECT.

**2** **PAVEMENT TRANSITION WITHIN RSA**  
N.T.S

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



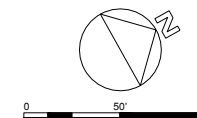
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	CONTRACT: VE055
IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-GC500.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**CONSTRUCTION  
ACTIVITY PLAN  
DETAILS 1**

GC502  
SHEET 11 OF 70



FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

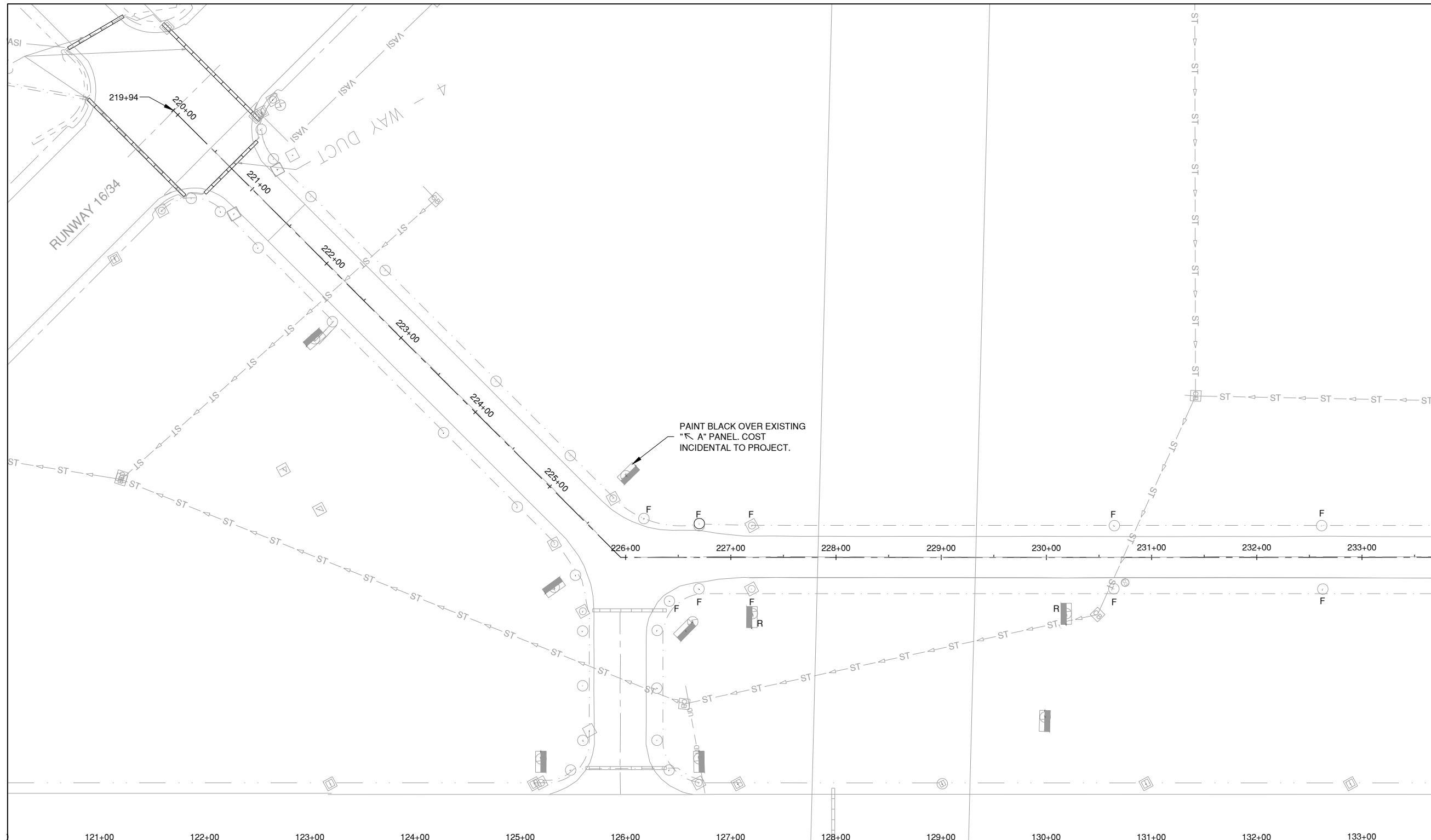
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CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CD100.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
COPYRIGHT:	

SHEET TITLE  
**DEMOLITION PLAN 1**

CD101  
SHEET 12 OF 70

MATCHLINE STA. 233+75



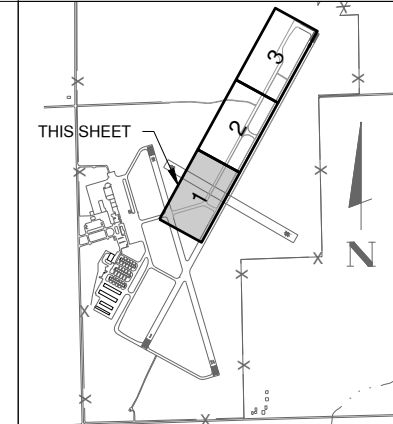
**LEGEND**

	EXISTING STAKE MOUNTED TAXIWAY LIGHT		EXISTING RUNWAY/THRESHOLD LIGHT		BITUMINOUS PAVEMENT MILLING: AR401.650 4" & VAR.
	EXISTING BASE MOUNTED TAXIWAY LIGHT		EXISTING RUNWAY LIGHT		BUTT JOINT CONSTRUCTION
	EXISTING TAXIWAY GUIDANCE SIGN		EXISTING CATCH BASIN		REMOVE PAVEMENT: AR401.921 FULL DEPTH
	EXISTING TAXIWAY CIRCUIT		EXISTING FENCE		REMOVE PAVEMENT: AR401.921 3"± HMA, 7"± PCC CRACKED AND SEATED
	EXISTING RUNWAY CIRCUIT		EXISTING WINDCONE		REMOVE PAVEMENT: AR401.921 4"± HMA, 6"± HMA BASE COURSE, 11"± CABC
	EXISTING STORM SEWER		EXISTING DUCT		REMOVE PAVEMENT: AR401.921 6"± HMA, 7"± CABC
	REMOVALS		EXISTING DUCT MARKER		REMOVE PAVEMENT: AR401.921 3"-5"± HMA, 7"± PCC
	REMOVE FIXTURE & KEEP CKT ACTIVE		UNCLASSIFIED EXCAVATION: 6" MINIMUM		
	EXISTING CULVERT				

**NOTES**

- EXISTING PAVEMENT STRUCTURES SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND ARE CONSIDERED GENERALLY REPRESENTATIVE OF THE AS-CONSTRUCTED PAVEMENT SECTION. SOME VARIABILITY IN ACTUAL PAVEMENT THICKNESS IS TO BE EXPECTED.
- CONTRACTOR SHALL PROTECT PAVEMENTS THAT ARE ADJACENT TO THE REMOVAL LIMITS. CONTRACTOR SHALL REPAIR ANY DAMAGE TO PAVEMENT TO REMAIN AT HIS EXPENSE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY JUMPER CABLES AS NEEDED TO KEEP ALL CIRCUITS ACTIVE ON PAVEMENTS OPEN TO AIR TRAFFIC BETWEEN DEMOLITION AND CONSTRUCTION OF NEW PAVEMENTS. PAYMENT FOR THIS SHALL BE MADE UNDER THE 5KV #8 L-CABLE PAY ITEM(S).

**KEY PLAN**



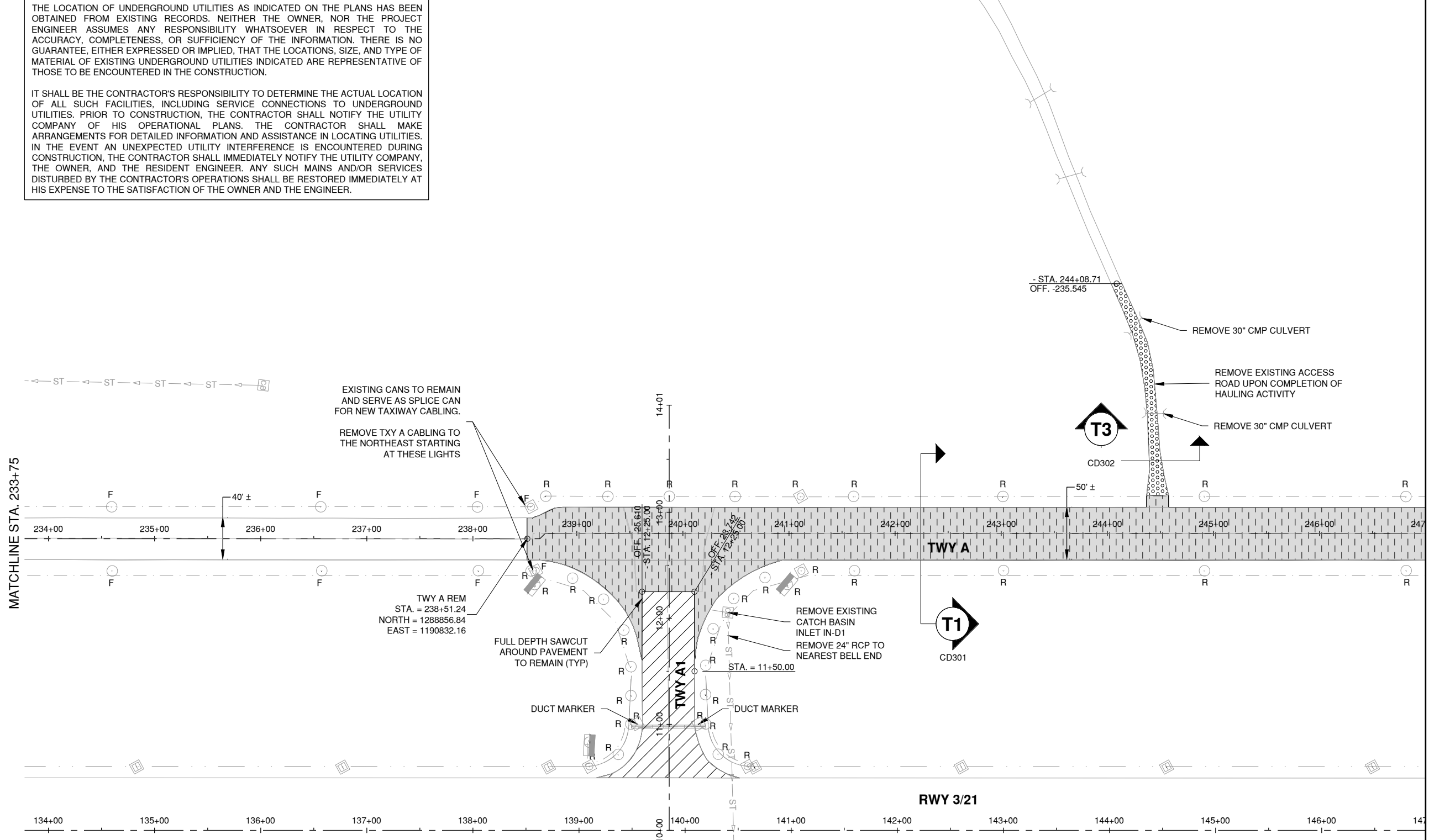
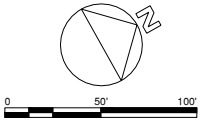
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THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE RESIDENT ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.



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CONSULTANTS



FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	CONTRACT: VE055
IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CD100.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**DEMOLITION PLAN 2**

CD102  
SHEET 13 OF 70

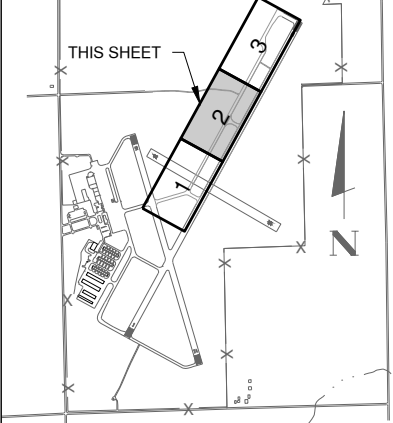
**LEGEND**

	EXISTING STAKE MOUNTED TAXIWAY LIGHT		EXISTING RUNWAY/THRESHOLD LIGHT		BITUMINOUS PAVEMENT MILLING: AR401.650 4" & VAR.
	EXISTING BASE MOUNTED TAXIWAY LIGHT		EXISTING RUNWAY LIGHT		BUTT JOINT CONSTRUCTION
	EXISTING TAXIWAY GUIDANCE SIGN		EXISTING CATCH BASIN		REMOVE PAVEMENT: AR401.921 FULL DEPTH
	EXISTING TAXIWAY CIRCUIT		EXISTING FENCE		

**NOTES**

- EXISTING PAVEMENT STRUCTURES SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND ARE CONSIDERED GENERALLY REPRESENTATIVE OF THE AS-CONSTRUCTED PAVEMENT SECTION. SOME VARIABILITY IN ACTUAL PAVEMENT THICKNESS IS TO BE EXPECTED.
- CONTRACTOR SHALL PROTECT PAVEMENTS THAT ARE ADJACENT TO THE REMOVAL LIMITS. CONTRACTOR SHALL REPAIR ANY DAMAGE TO PAVEMENT TO REMAIN AT HIS EXPENSE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY JUMPER CABLES AS NEEDED TO KEEP ALL CIRCUITS ACTIVE ON PAVEMENTS OPEN TO AIR TRAFFIC BETWEEN DEMOLITION AND CONSTRUCTION OF NEW PAVEMENTS. PAYMENT FOR THIS SHALL BE MADE UNDER THE 5KV #8 L-CABLE PAY ITEM(S).

**KEY PLAN**



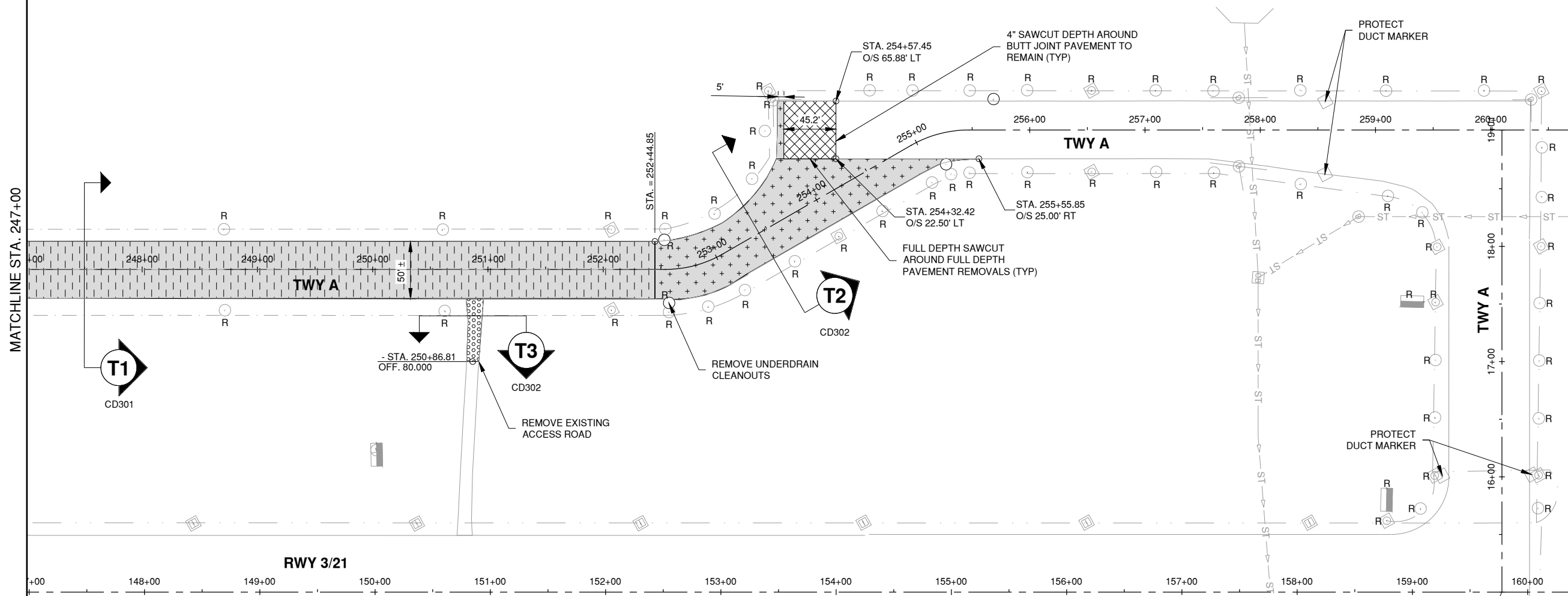
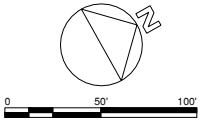
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THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

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CONSULTANTS



FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

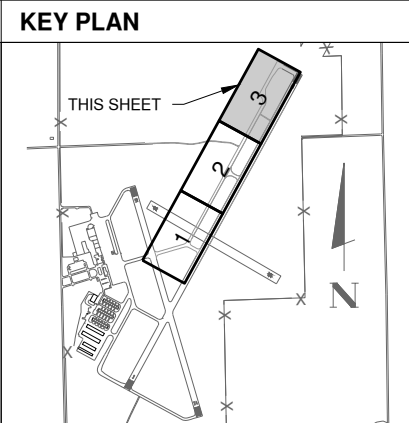
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IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CD100.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**DEMOLITION PLAN 3**

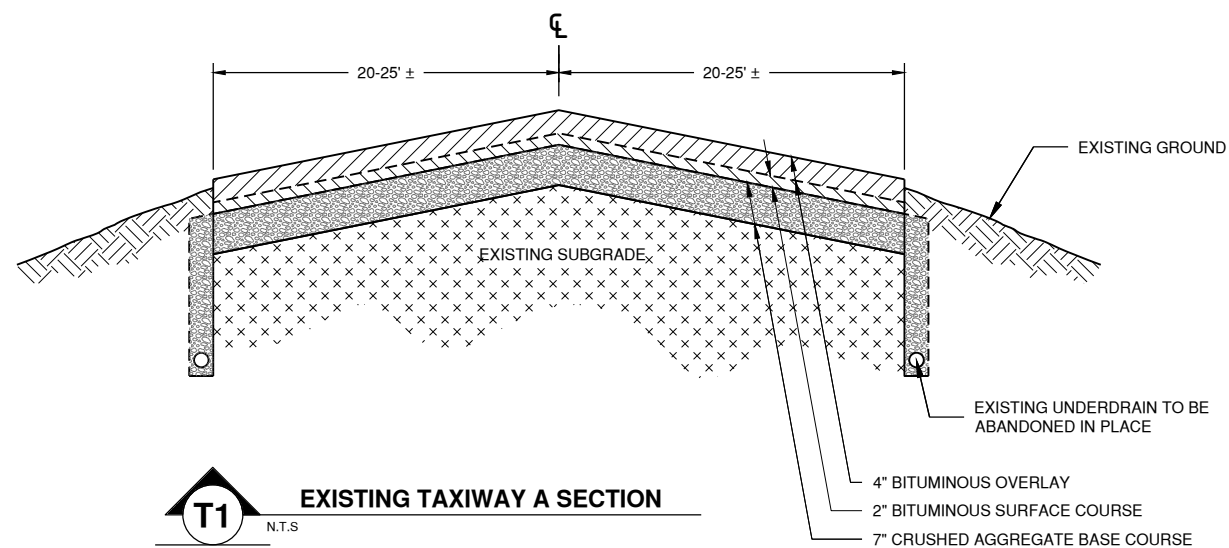
CD103  
SHEET 14 OF 70

LEGEND	
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	EXISTING BASE MOUNTED TAXIWAY LIGHT
	EXISTING TAXIWAY GUIDANCE SIGN
	EXISTING TAXIWAY CIRCUIT
	EXISTING RUNWAY CIRCUIT
	EXISTING STORM SEWER
	REMOVALS
	REMOVE FIXTURE & KEEP CKT ACTIVE
	EXISTING CULVERT
	EXISTING RUNWAY/THRESHOLD LIGHT
	EXISTING RUNWAY LIGHT
	EXISTING CATCH BASIN
	EXISTING FENCE
	EXISTING WINDCONE
	EXISTING DUCT
	EXISTING DUCT MARKER
	UNCLASSIFIED EXCAVATION: 6" MINIMUM
	BITUMINOUS PAVEMENT MILLING: AR401.650 4" & VAR.
	BUTT JOINT CONSTRUCTION
	REMOVE PAVEMENT: AR401.921 FULL DEPTH
	REMOVE PAVEMENT: AR401.921 3"± HMA, 7"± PCC CRACKED AND SEATED
	REMOVE PAVEMENT: AR401.921 4"± HMA, 6"± HMA BASE COURSE, 11"± CABC
	REMOVE PAVEMENT: AR401.921 6"± HMA, 7"± CABC
	REMOVE PAVEMENT: AR401.921 3"-5"± HMA, 7"± PCC

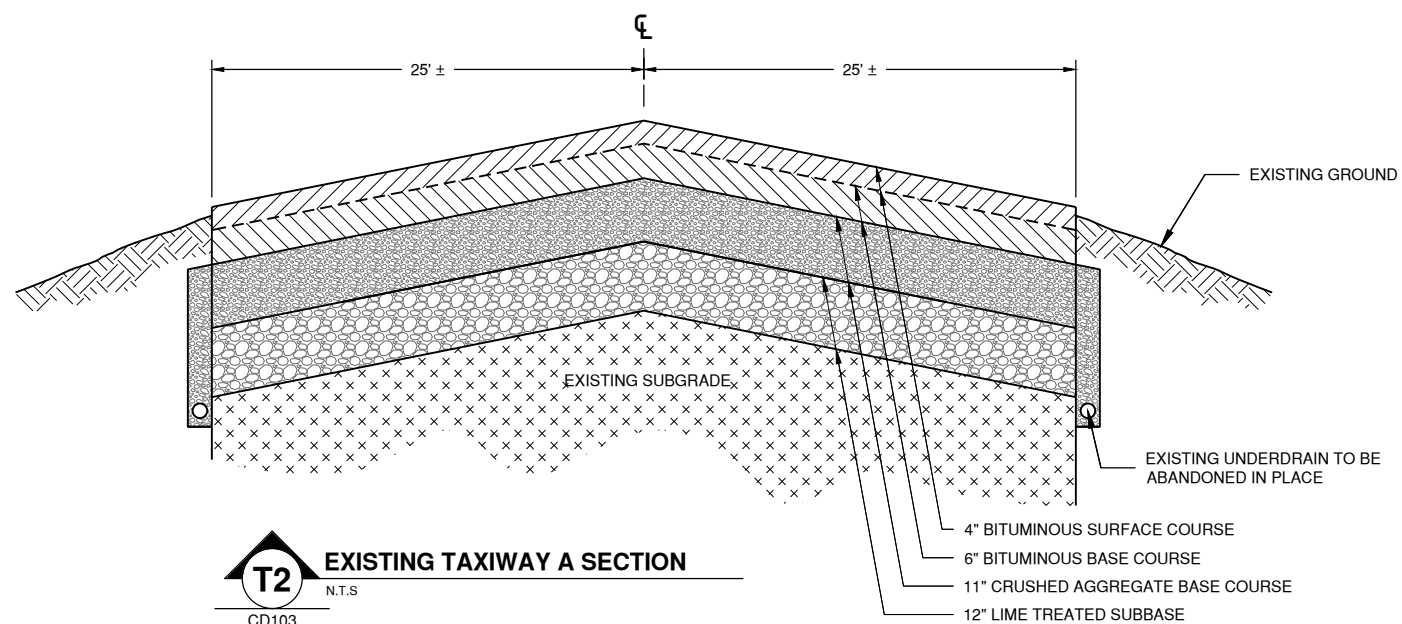
- NOTES**
- EXISTING PAVEMENT STRUCTURES SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND ARE CONSIDERED GENERALLY REPRESENTATIVE OF THE AS-CONSTRUCTED PAVEMENT SECTION. SOME VARIABILITY IN ACTUAL PAVEMENT THICKNESS IS TO BE EXPECTED.
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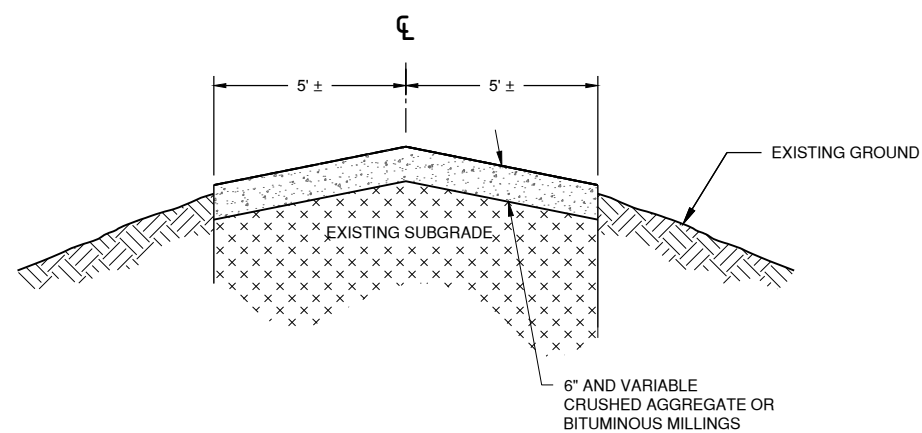
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**T1** N.T.S.  
EXISTING TAXIWAY A SECTION  
CD101  
CD102



**T2** N.T.S.  
EXISTING TAXIWAY A SECTION  
CD103



**T3** N.T.S.  
EXISTING SERVICE ROAD  
CD102

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



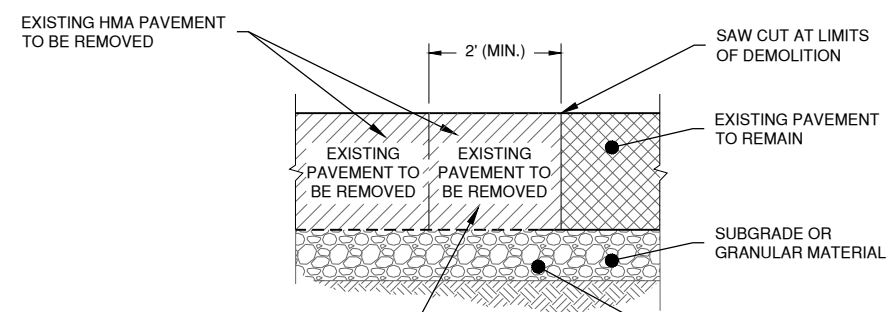
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	
IL. PROJ. NO. DNV-4742	CONTRACT: VE055
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CD300.DWG	
DESIGNED BY: AJG	
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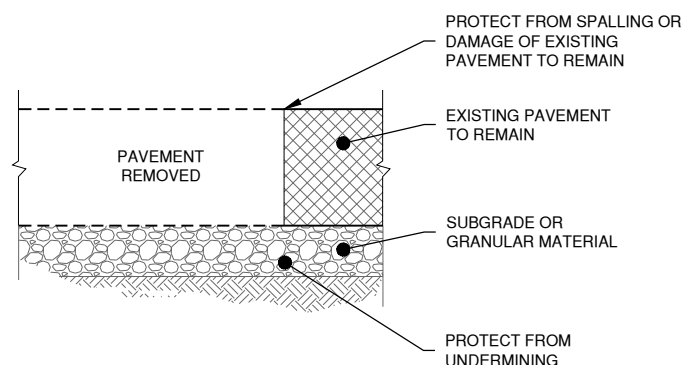
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**EXISTING PAVEMENT  
SECTIONS 1**

CD301  
SHEET 15 OF 70

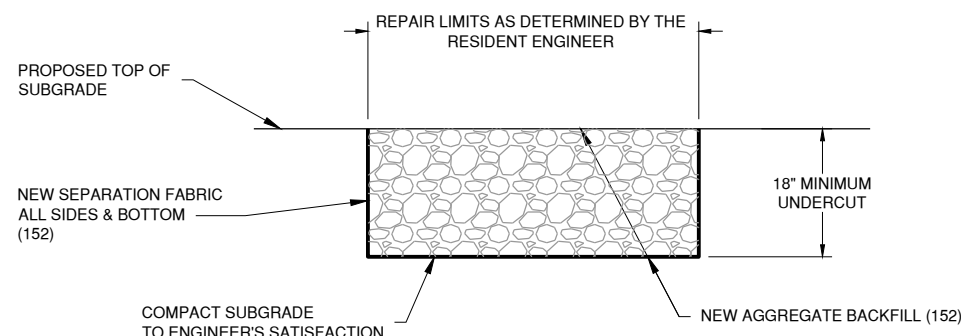


LEAVE THIS HMA PAVEMENT IN PLACE UNTIL AREA IS READY TO RECEIVE MODIFIED SUBGRADE, AGGREGATE BASE COURSE PAVEMENT, OR ANY OTHER WORK ON THE SUBGRADE OR GRANULAR BASE.

**STEP 1**



**STEP 2**



**1 SAW CUT HMA PAVEMENT DEMOLITION AGAINST PCC OR HMA PAVEMENT TO REMAIN DETAIL**

N.T.S

**SAW CUT AND OTHER DEMOLITION NOTES**

1. PROTECT PAVEMENT TO REMAIN IN PLACE FROM UNDERMINING.
2. SAW CUTS SHALL BE FULL DEPTH ON PAVEMENT PRIOR TO REMOVAL OF PAVEMENT SECTION.
3. DO NOT REMOVE 2' OF HMA PAVEMENT AGAINST EXISTING HMA PAVEMENT TO REMAIN UNTIL AREA IS READY TO RECEIVE MODIFIED SUBGRADE OR AGGREGATE BASE COURSE. WORK ON EXPOSED SUBGRADE PRIOR TO RECEIVING MODIFIED SUBGRADE OR AGGREGATE BASE COURSE SHALL BE COMPLETED WITHIN 48 HOURS AFTER THE REMOVAL OF HMA PAVEMENT

**2 SUBGRADE UNDERCUT & AGGREGATE BACKFILL**

N.T.S

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	
IL PROJ. NO. DNV-4742	CONTRACT: VE055
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CD500.DWG	
DESIGNED BY: AJG	
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COPYRIGHT:	

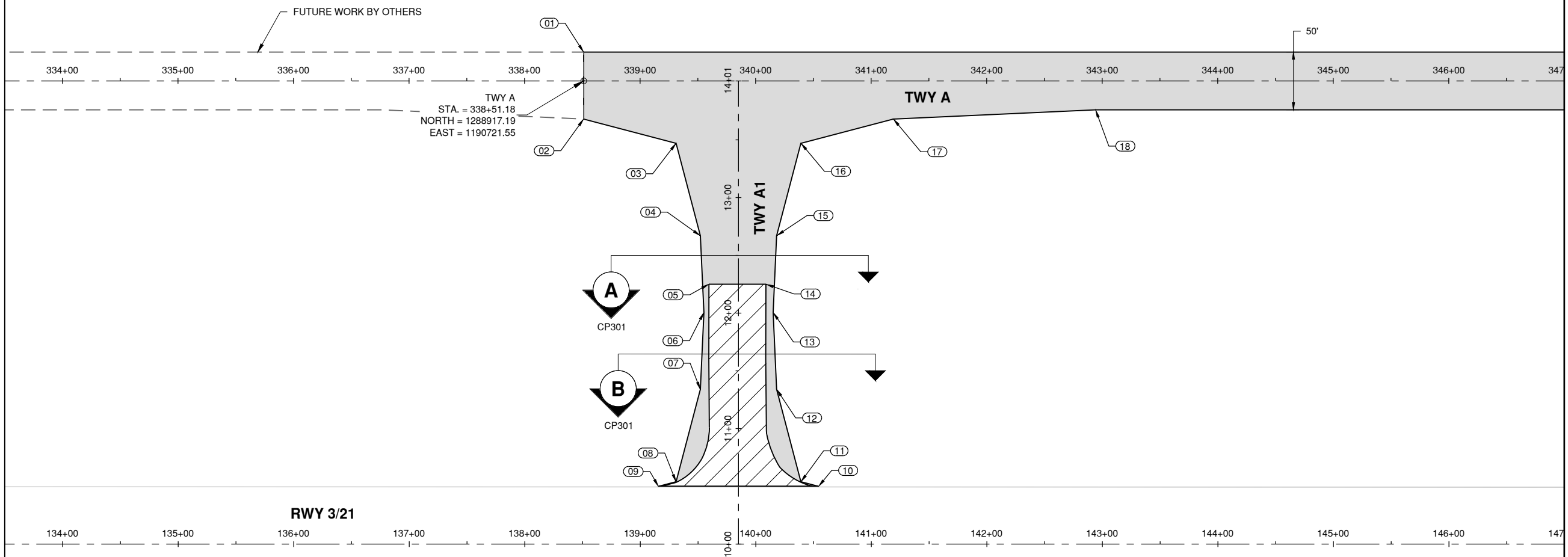
SHEET TITLE  
**PAVEMENT  
DEMOLITION AND  
SUBGRADE DETAILS 1**

CD501  
SHEET 16 OF 70



GEOMETRY LOCATIONS		
POINT	STATION	OFFSET
01	338+51.19	-25.00 L
02	338+51.19	33.00 R
03	339+31.19	54.00 R
04	12+67.00	-33.00 L
05	12+25.00	-25.61 L
06	12+00.50	-29.96 L
07	11+34.00	-33.00 L
08	10+54.00	-54.00 L
09	10+50.00	-69.24 L

GEOMETRY LOCATIONS		
POINT	STATION	OFFSET
10	10+50.00	69.24 R
11	10+54.00	54.00 R
12	11+34.00	33.00 R
13	12+00.50	29.96 R
14	12+25.00	23.74 R
15	12+67.00	33.00 R
16	340+39.19	54.00 R
17	341+19.19	33.00 R
18	342+94.19	25.00 R

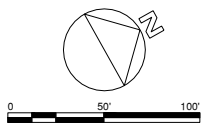


MATCHLINE STA. 347+00



License No. 184-000613

CONSULTANTS



FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS







MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	
IL PROJ. NO. DNV-4742	CONTRACT: VE055
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CP100.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
COPYRIGHT:	

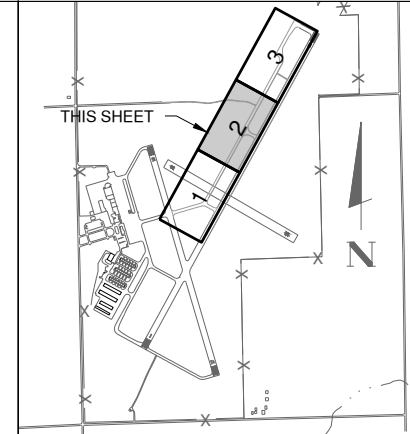
SHEET TITLE  
**PAVEMENT  
GEOMETRY PLAN 1**

SHEET **17** OF **70**  
CP101

**LEGEND**

-  NEW 4" & VAR. OVERLAY
-  NEW BUTT JOINT
-  NEW FULL-DEPTH PAVEMENT
-  NEW TAXIWAY PAVEMENT EDGE
-  GEOMETRY POINTS
-  SECTION DETAIL

**KEY PLAN**

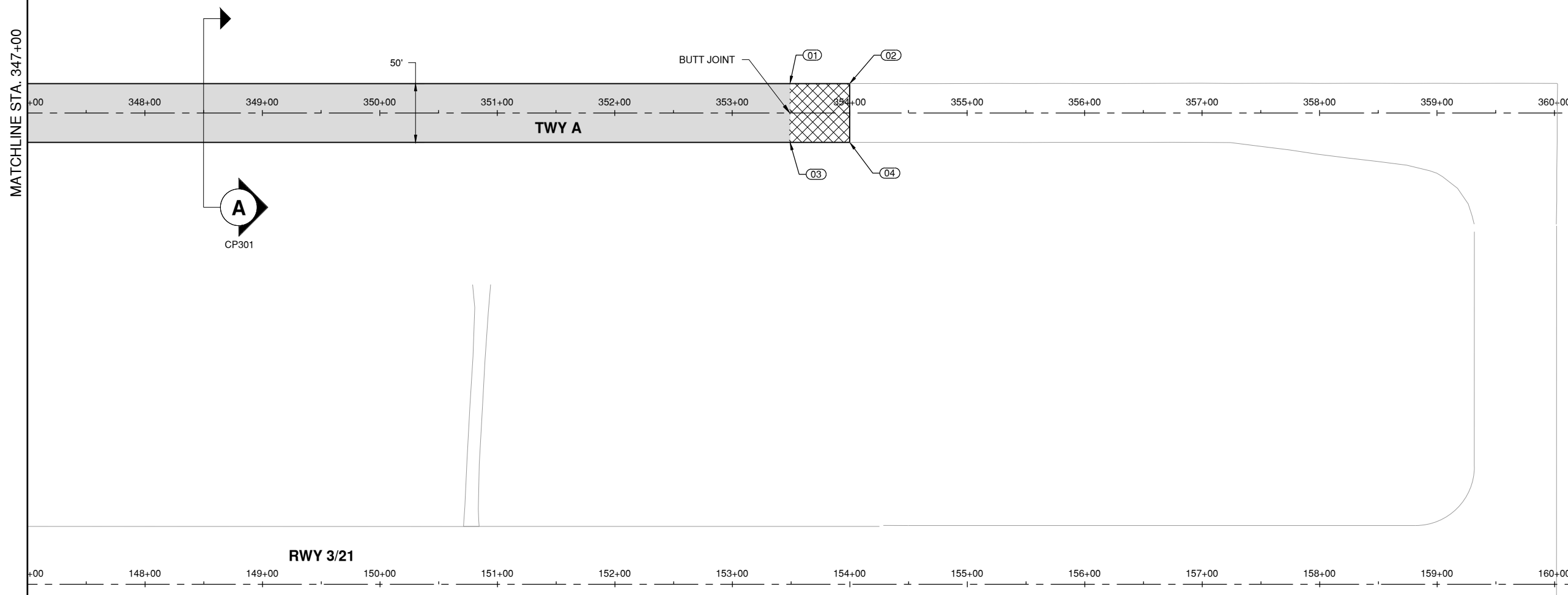
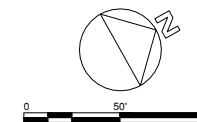


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Date: Monday, May 16, 2022 10:34:26 AM

GEOMETRY LOCATIONS		
POINT	STATION	OFFSET
01	353+49.07	-25.00 L
02	354+00.00	-25.00 L
03	353+49.07	25.00 R
04	354+00.00	25.00 R



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APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



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AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

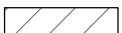





MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	CONTRACT: VE055
IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CP100.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
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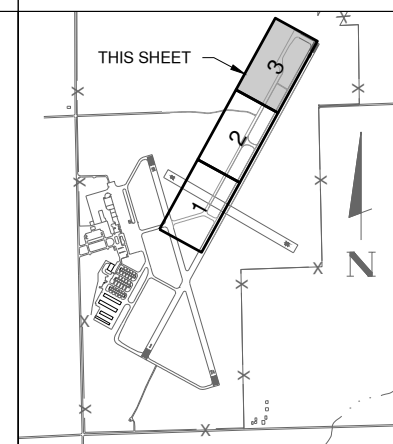
SHEET TITLE  
**PAVEMENT  
GEOMETRY PLAN 2**

CP102  
SHEET 18 OF 70

**LEGEND**

-  NEW 4" & VAR. OVERLAY
-  NEW BUTT JOINT
-  NEW FULL-DEPTH PAVEMENT
-  NEW TAXIWAY PAVEMENT EDGE
-  GEOMETRY POINTS
-  SECTION DETAIL

**KEY PLAN**

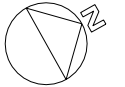


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Date: Monday, May 16, 2022 10:34:30 AM



License No. 184-000613

CONSULTANTS



0 50' 100'

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



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AIRPORT

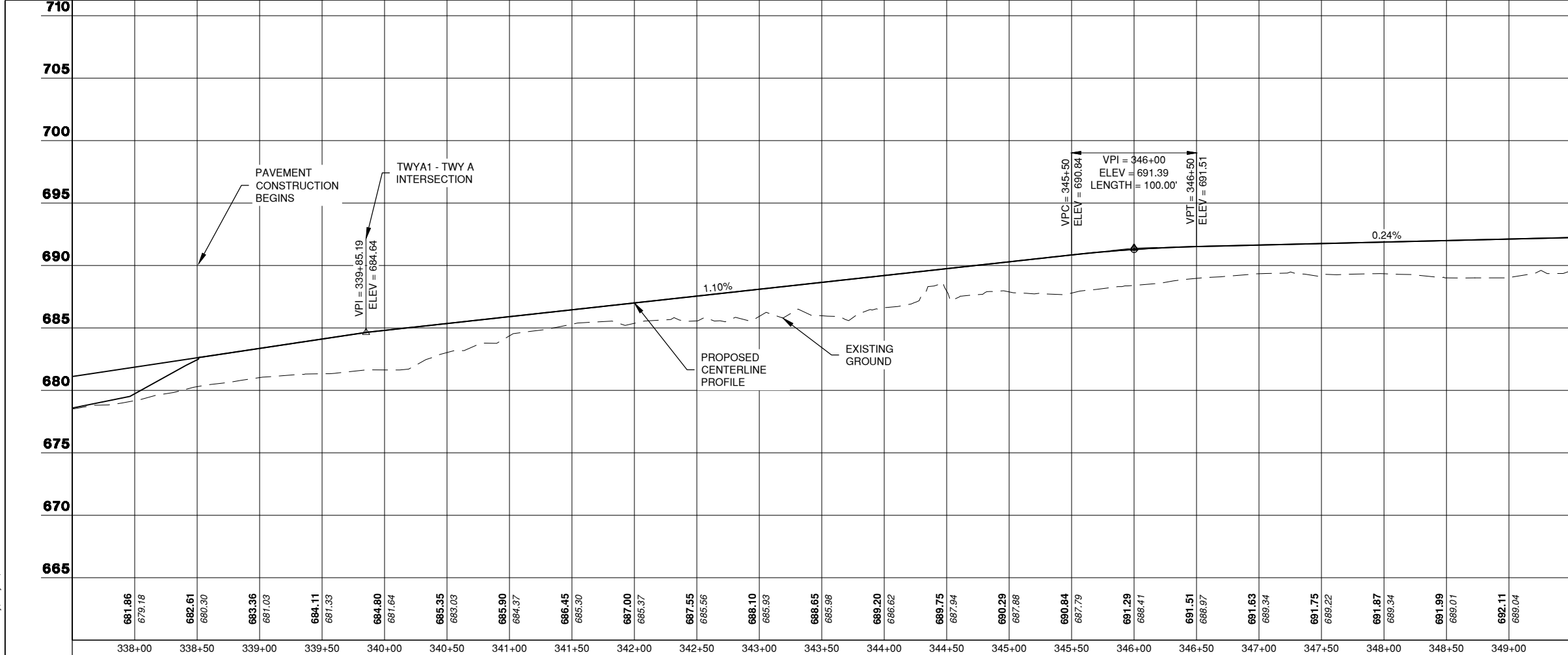
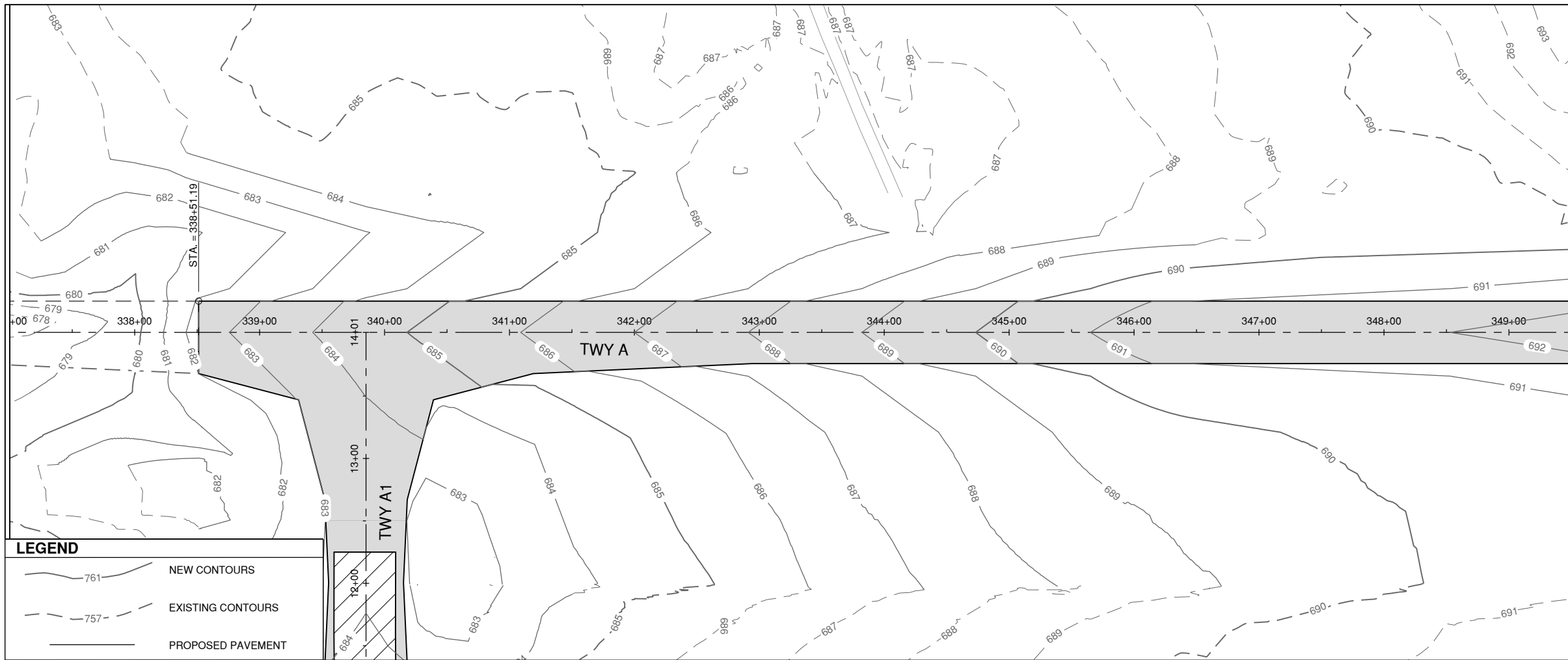
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK DATE DESCRIPTION

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IL PROJ. NO.	DNV-4742	CONTRACT:	VE055
CMT PROJECT NO.	190042-02		
CAD DWG FILE:	DNV-4742-CP200.DWG		
DESIGNED BY:	AJG		
DRAWN BY:	CMT		
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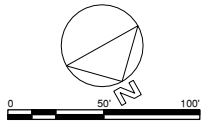
SHEET TITLE  
**PLAN & PROFILE 1  
TWY A**

CP201  
SHEET 19 OF 70



Path: K:\Danville\190042-02\_RehabTaxiway\DrawSheets\DNV-4742-CP200.dwg  
Date: Monday, May 16, 2022 10:34:55 AM





FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT

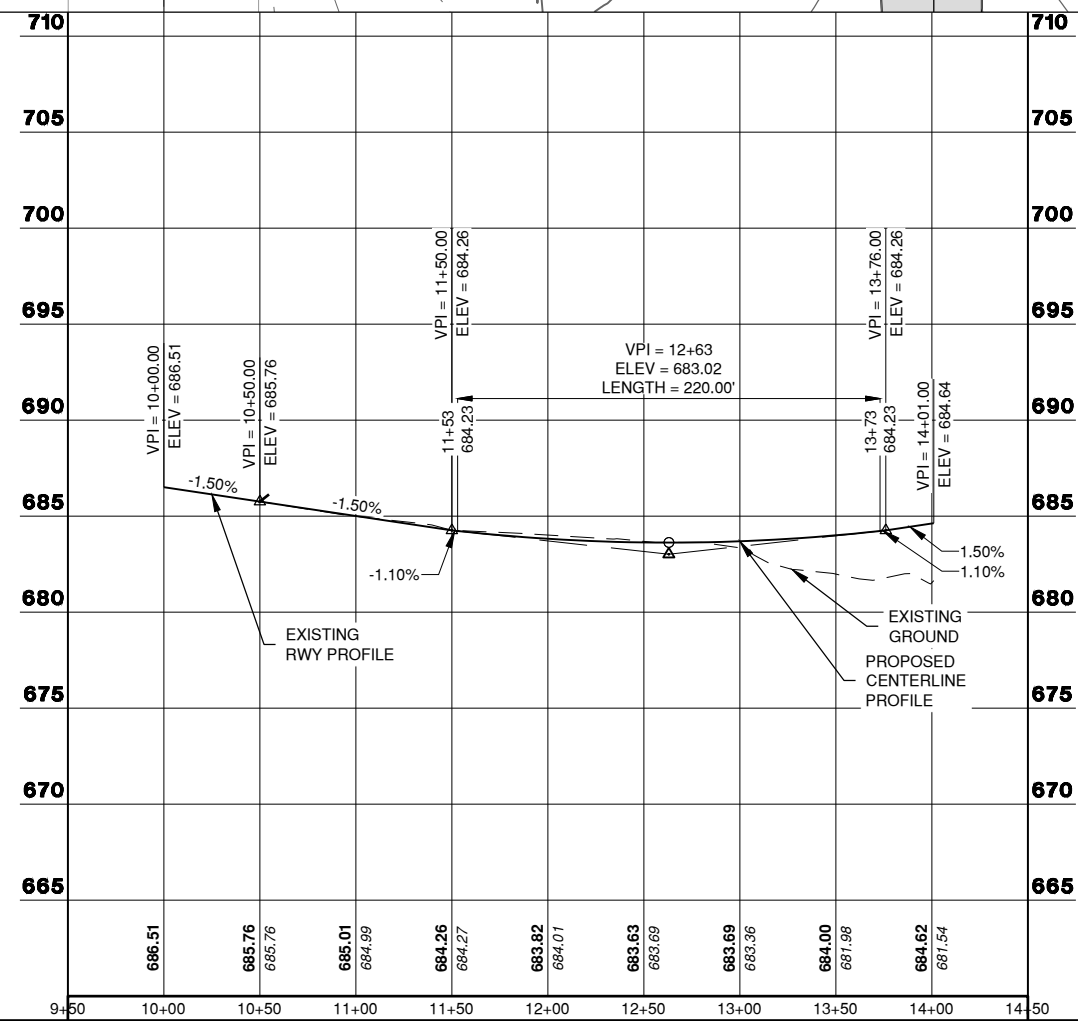
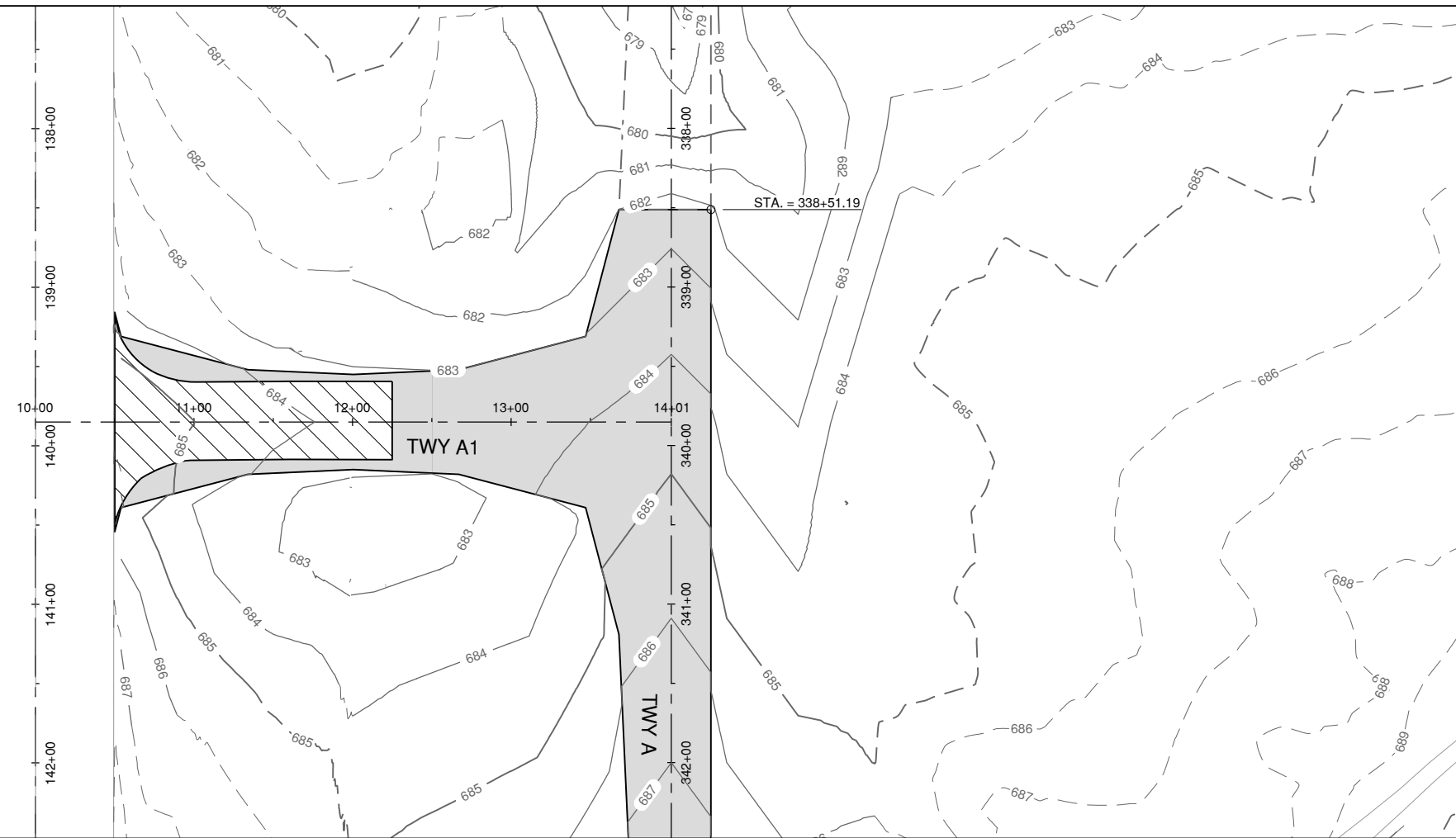
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION
FED PROJ. NO.		3-17-SBGP-156/162/171/TBD
IL. PROJ. NO.	DNV-4742	CONTRACT: VE055
CMT PROJECT NO.		190042-02
CAD DWG FILE:		DNV-4742-CP200.DWG
DESIGNED BY:		AJG
DRAWN BY:		CMT
CHECKED BY:		MJD
APPROVED BY:		EMH
COPYRIGHT:		

SHEET TITLE  
**PLAN & PROFILE 3  
TWY A1**

**LEGEND**

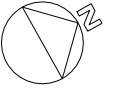
- NEW CONTOURS
- EXISTING CONTOURS
- PROPOSED PAVEMENT



Path: K:\Danville\190042-02\_RehabTaxiway\Draw\Sheets\DNV-4742-CP200.dwg  
Date: Monday, May 16, 2022 10:35:02 AM







THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER

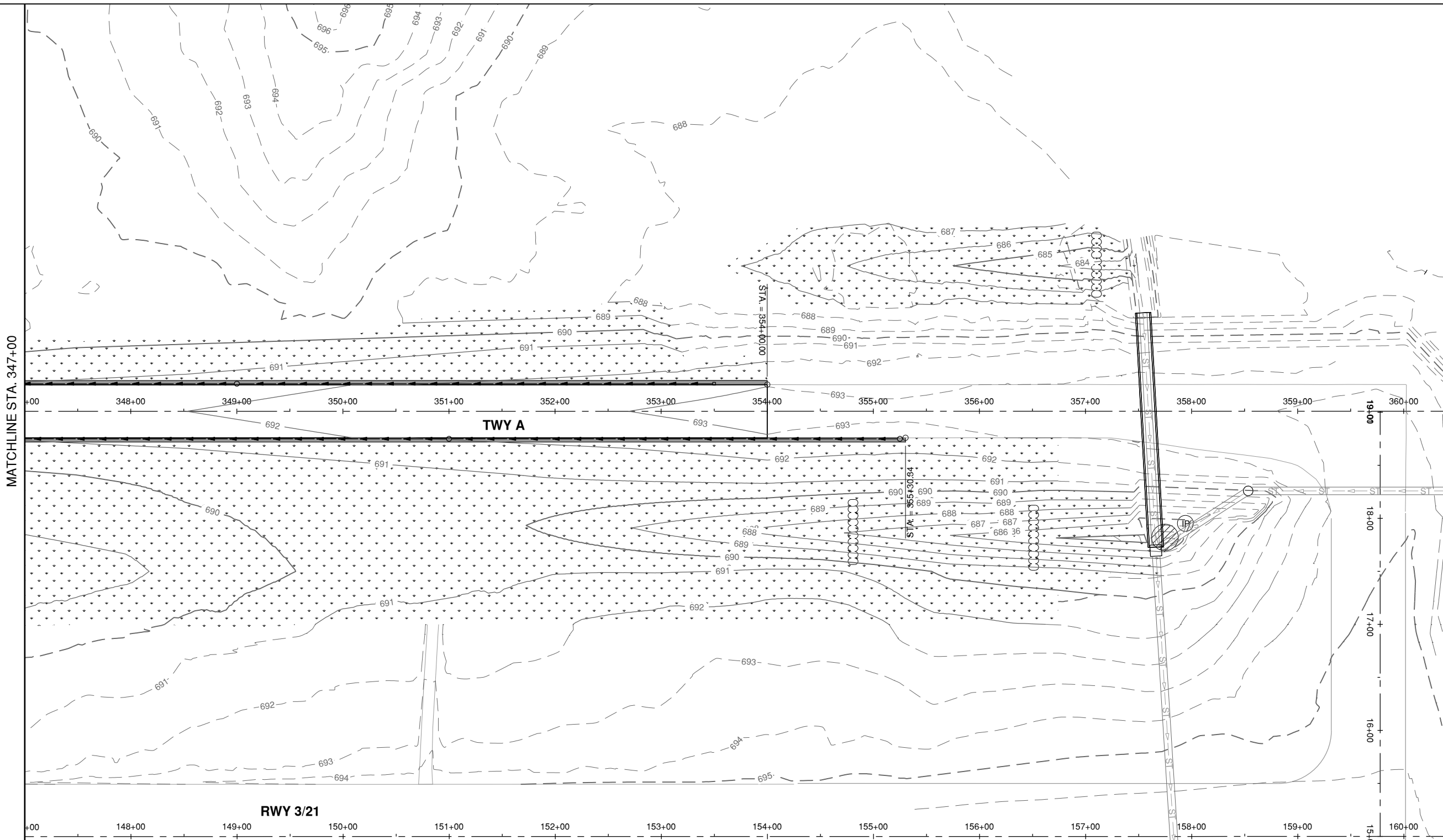


VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

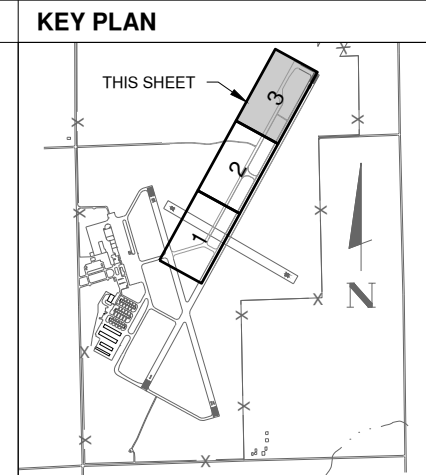
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IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CL101.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**EROSION CONTROL  
AND TURFING PLAN 2**



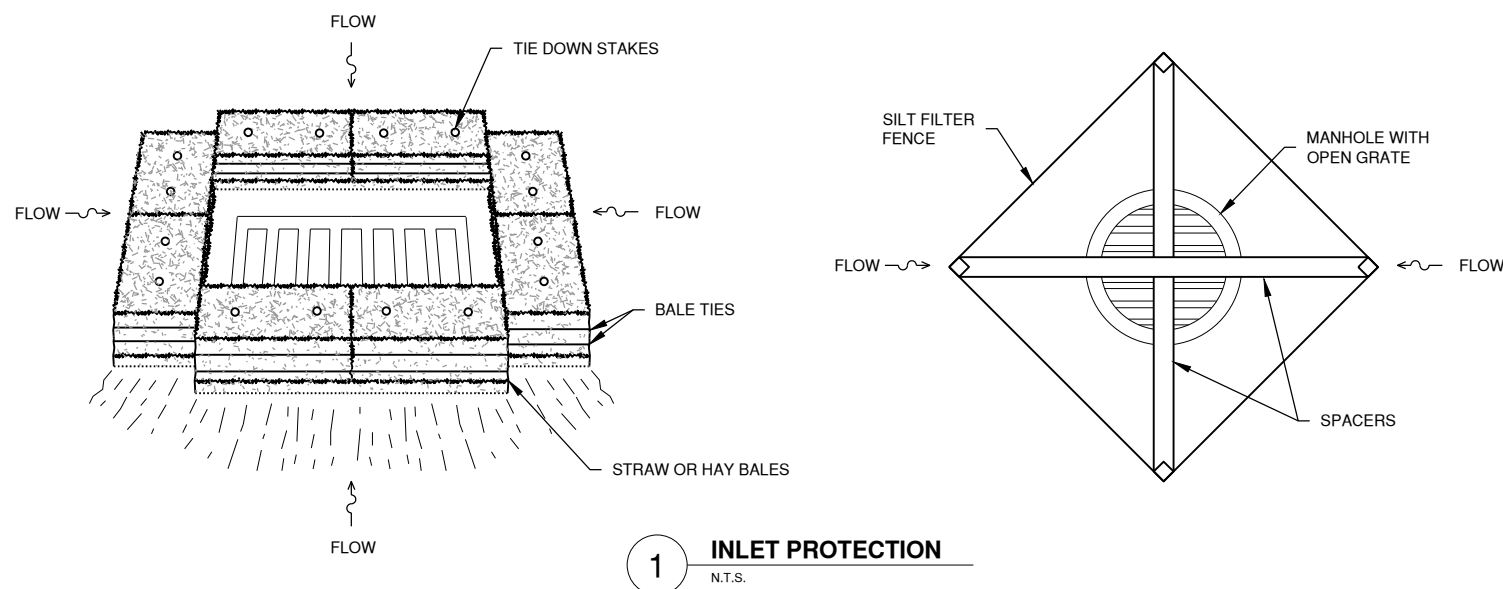
LEGEND	
	SOD (4' TYPICAL WIDTH)
	SEEDING & MULCHING
	INLET PROTECTION
	STRAW WATTLES
	SILT FENCE
	PROPOSED CONTOURS
	EXISTING CONTOURS

NOTES	



Path: K:\Danville\190042-02\_Rehab\TxD\Draw\Sheets\DNV-4742-CL101.dwg  
 Date: Monday, May 16, 2022 10:35:42 AM





**1 INLET PROTECTION**  
N.T.S.

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



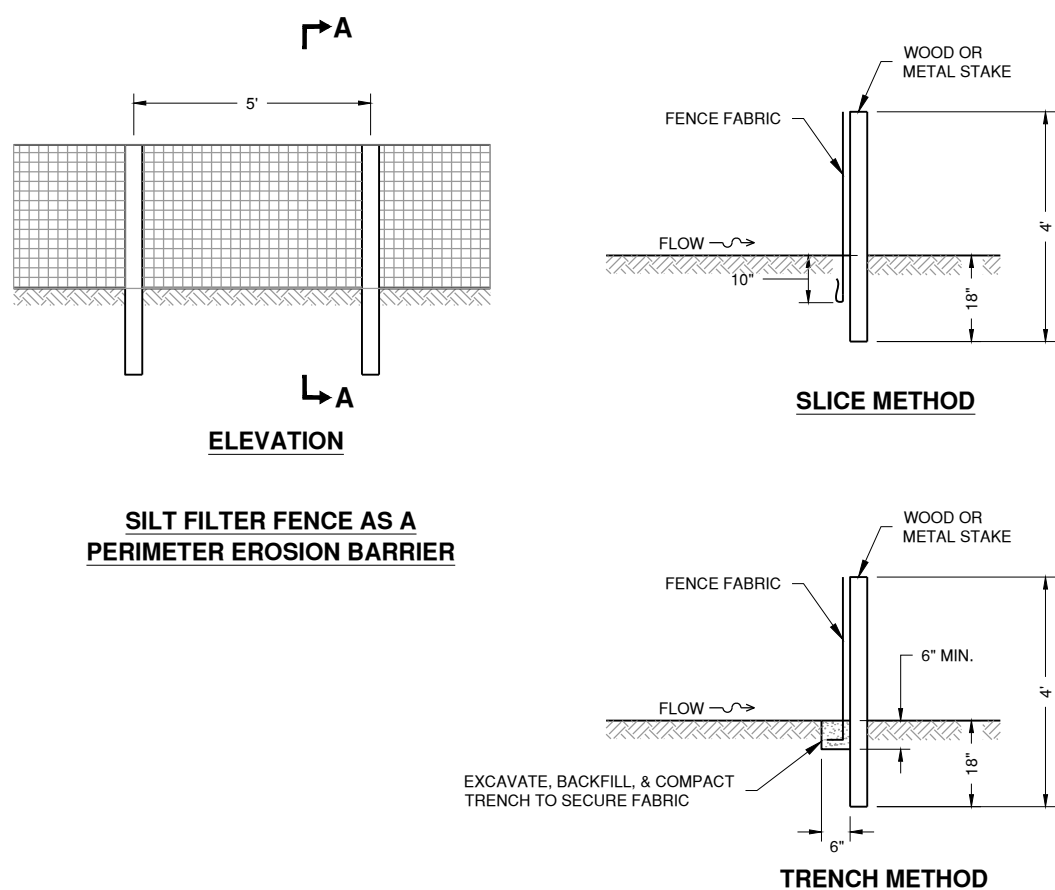
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AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

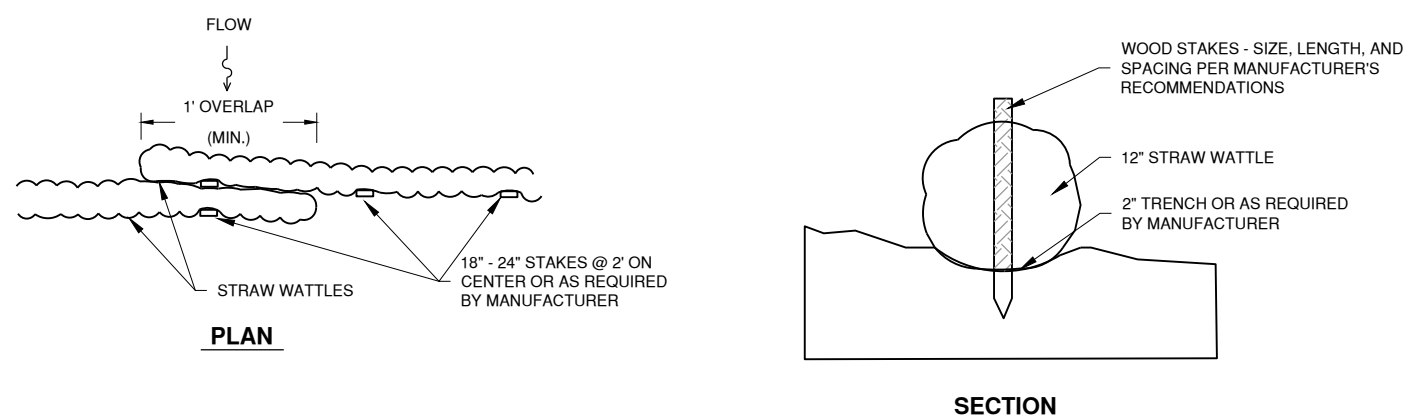
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IL PROJ. NO. DNV-4742	
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CL501.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
COPYRIGHT:	

SHEET TITLE  
**EROSION &  
SEDIMENT CONTROL  
DETAILS AND NOTES**

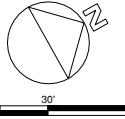
CL501  
SHEET 25 OF 70



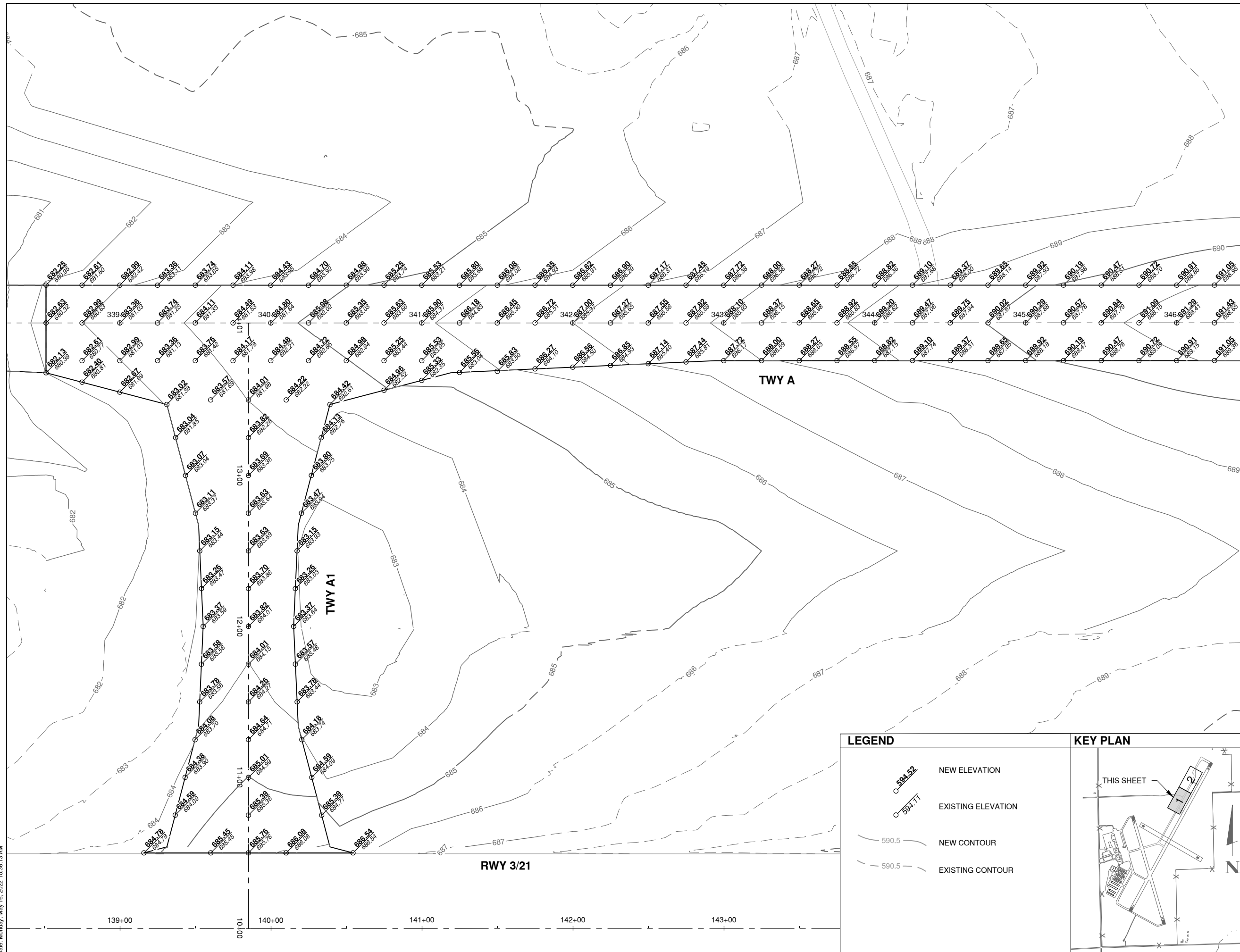
**2 EROSION CONTROL FABRIC FENCE**  
N.T.S.



**3 STRAW WATTLES**  
N.T.S.



MATCHLINE STA. 346+42



Path: K:\Danville\190042-02\_Rehab\TwyA\Draw\Sheets\DNV-4742-CS100.dwg  
Date: Monday, May 16, 2022 10:36:13 AM

FOR BID  
APRIL 22, 2022

**REALIGN TAXIWAY A - PHASE 1**

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

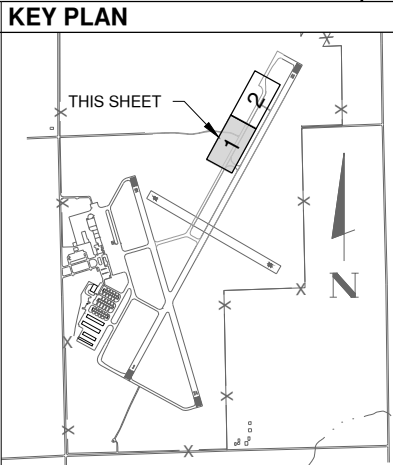
MARK	DATE	DESCRIPTION

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IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CS100.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**PAVING STAKING  
PLAN 1**

**LEGEND**

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOUR
- EXISTING CONTOUR





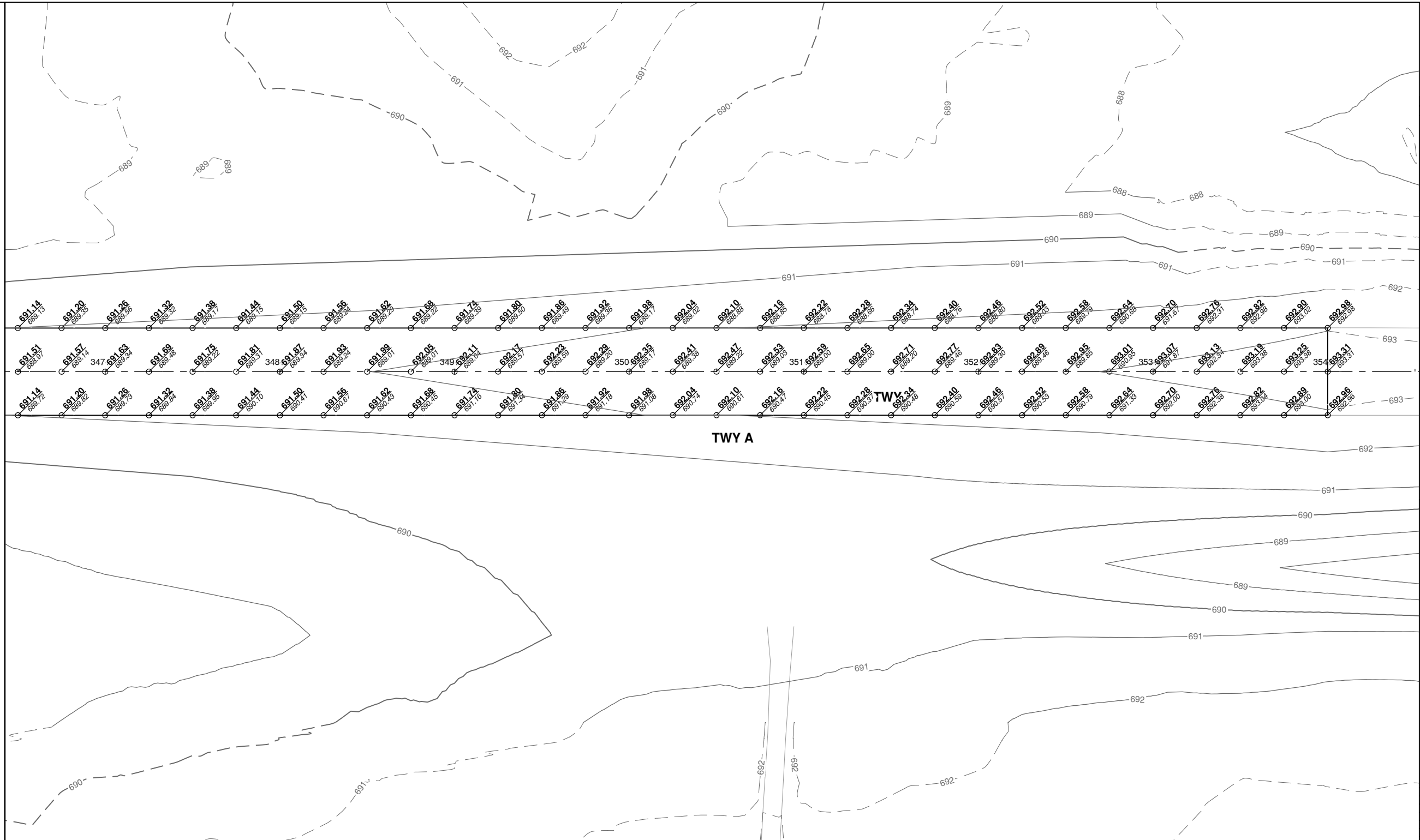
License No. 184-000613

CONSULTANTS



0 30' 60'

MATCHLINE STA. 346+42



TWY A

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



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AIRPORT

VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK | DATE | DESCRIPTION

FED PROJ. NO.	3-17-SBGP-156/162/171/TBD		
IL PROJ. NO.	DNV-4742	CONTRACT:	VE055
CMT PROJECT NO.	190042-02		
CAD DWG FILE:	DNV-4742-CS100.DWG		
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DRAWN BY:	CMT		
CHECKED BY:	MJD		
APPROVED BY:	EMH		
COPYRIGHT:			

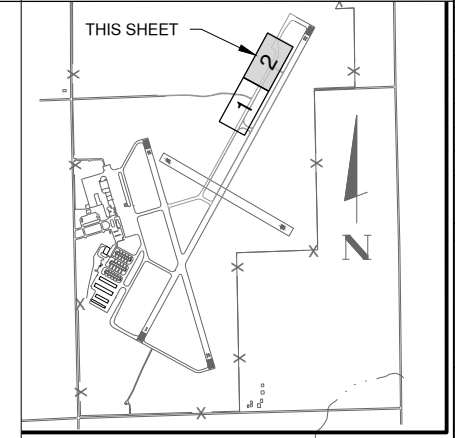
SHEET TITLE  
**PAVING STAKING  
PLAN 2**

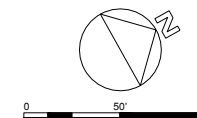
CS102  
SHEET 27 OF 70

**LEGEND**

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOUR
- EXISTING CONTOUR

**KEY PLAN**





FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



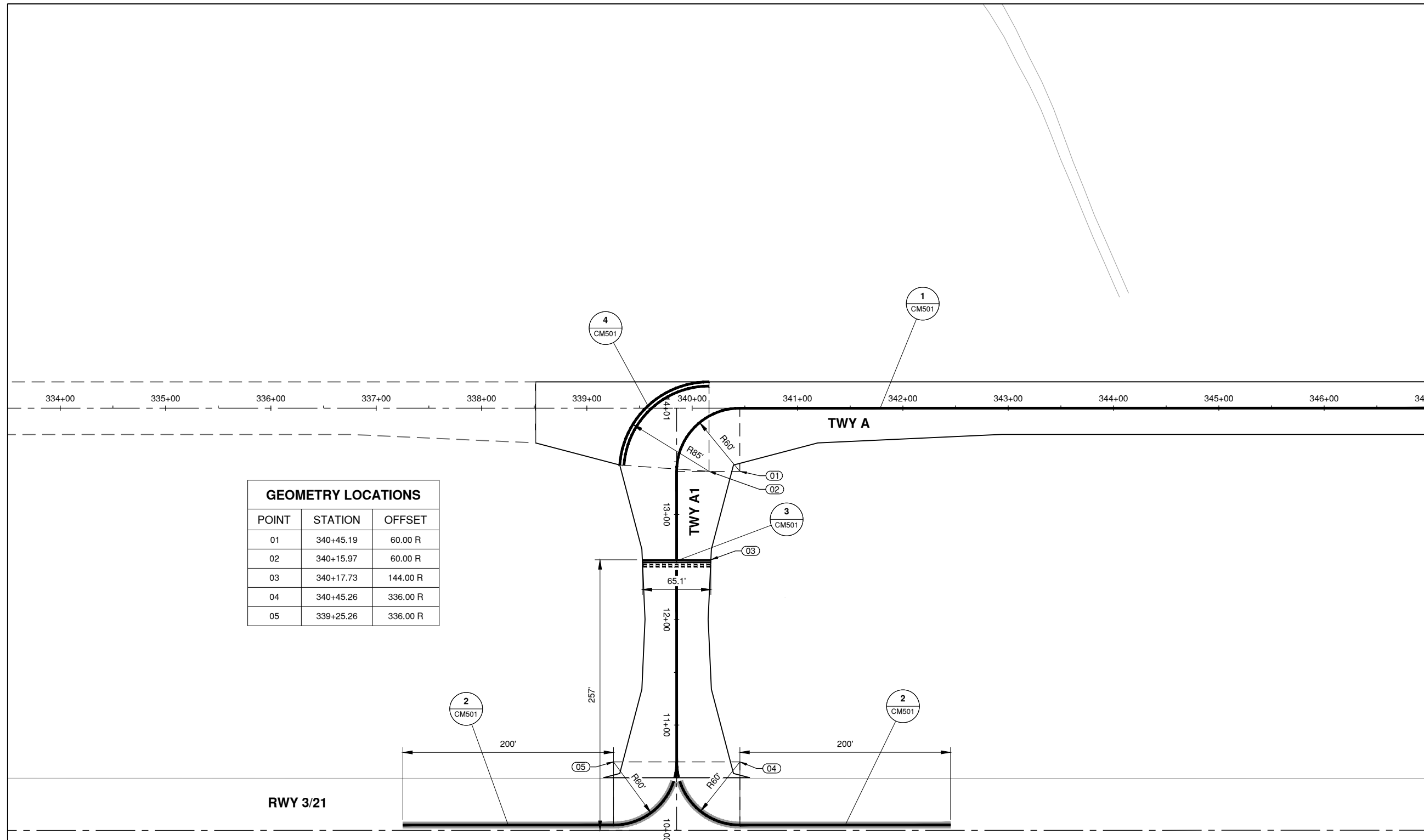
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	CONTRACT: VE055
IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CM100.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**PAVEMENT MARKING  
PLAN 1**

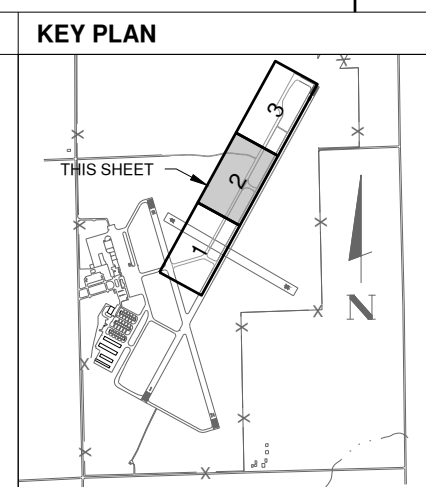
MATCHLINE STA. 347+00



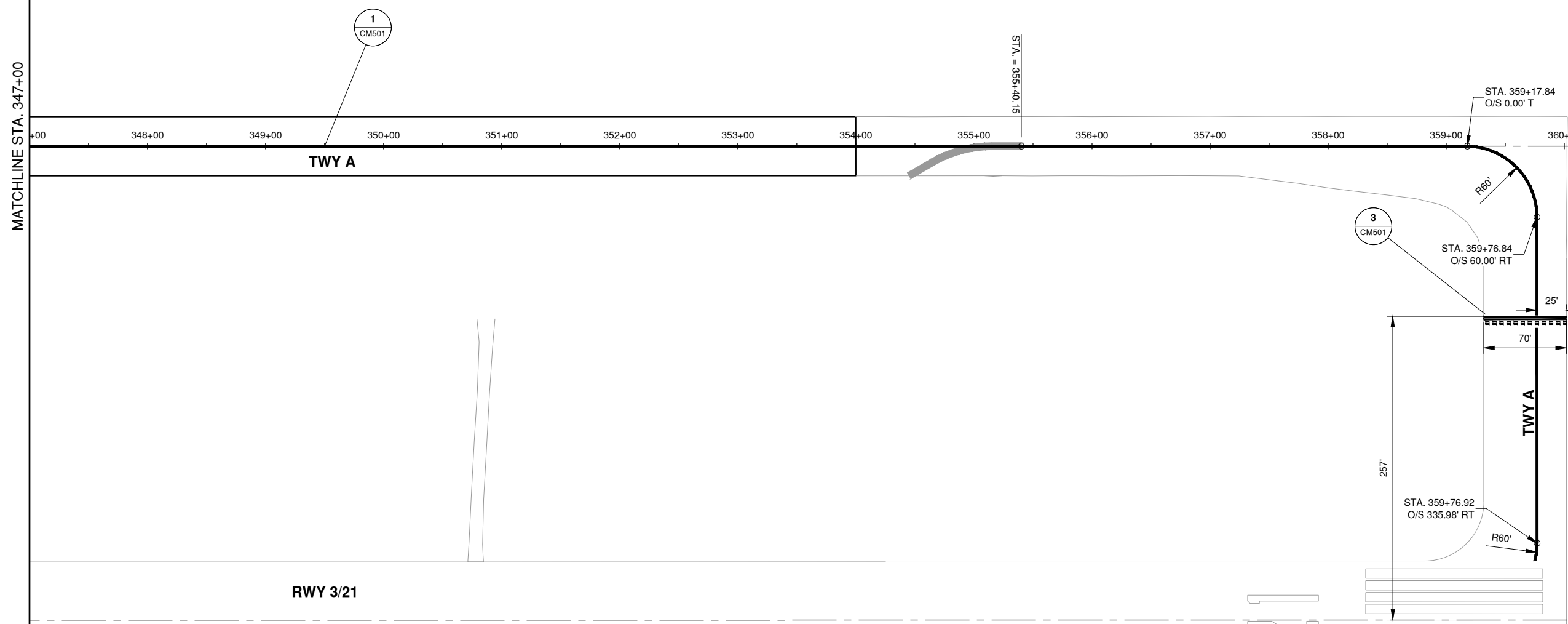
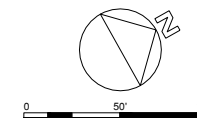
GEOMETRY LOCATIONS		
POINT	STATION	OFFSET
01	340+45.19	60.00 R
02	340+15.97	60.00 R
03	340+17.73	144.00 R
04	340+45.26	336.00 R
05	339+25.26	336.00 R

LEGEND	
	PROPOSED TAXIWAY CENTERLINE MARKING (YELLOW W/ BLACK BORDER)
	PROPOSED HOLDING POSITION MARKING (YELLOW W/ BLACK BORDER)
	PROPOSED TAXIWAY EDGE MARKING (YELLOW W/ BLACK BORDER)
	REMOVE EXISTING MARKING

NOTES	



Path: K:\Danville\A0190042-02\_RehabTaxiway\Draw\Sheets\DNV-4742-CM100.dwg  
Date: Monday, May 16, 2022 10:36:31 AM



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APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	CONTRACT: VE055
IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CM100.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**PAVEMENT MARKING  
PLAN 2**

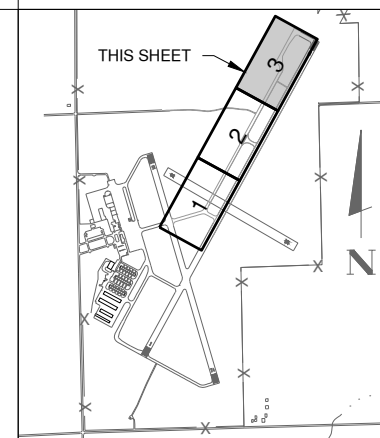
CM102  
SHEET 29 OF 70

**LEGEND**

- PROPOSED TAXIWAY CENTERLINE MARKING (YELLOW W/ BLACK BORDER)
- PROPOSED HOLDING POSITION MARKING (YELLOW W/ BLACK BORDER)
- PROPOSED TAXIWAY EDGE MARKING (YELLOW W/ BLACK BORDER)
- REMOVE EXISTING MARKING

**NOTES**

**KEY PLAN**



FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

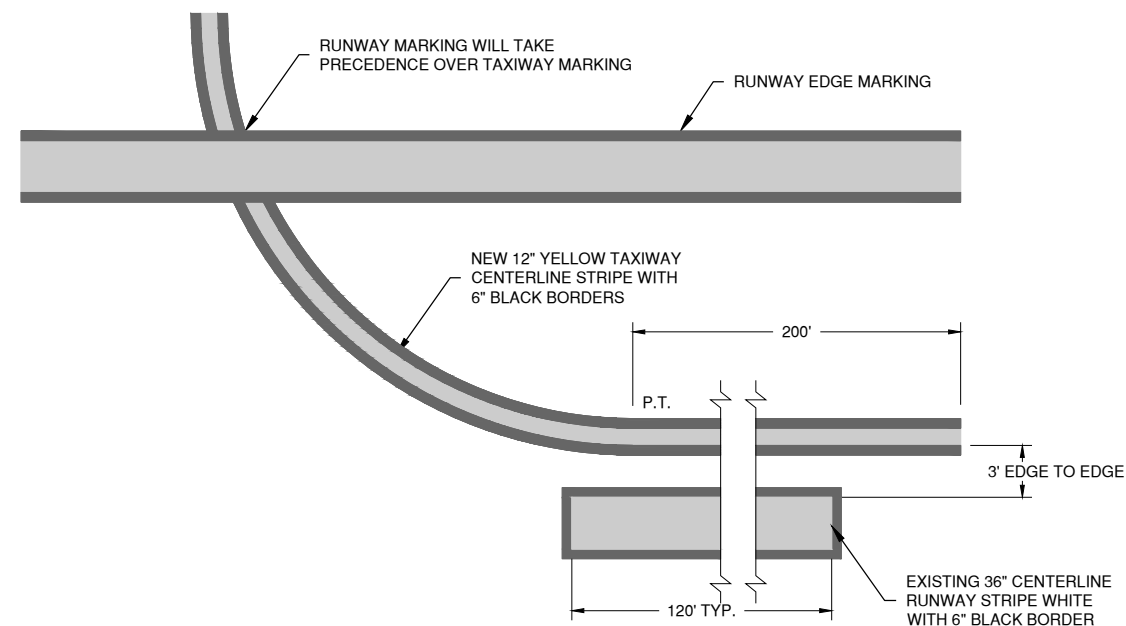
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IL. PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CM500.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**PAVEMENT MARKING  
DETAIL 1**

SHEET **30** OF **70**  
CM501



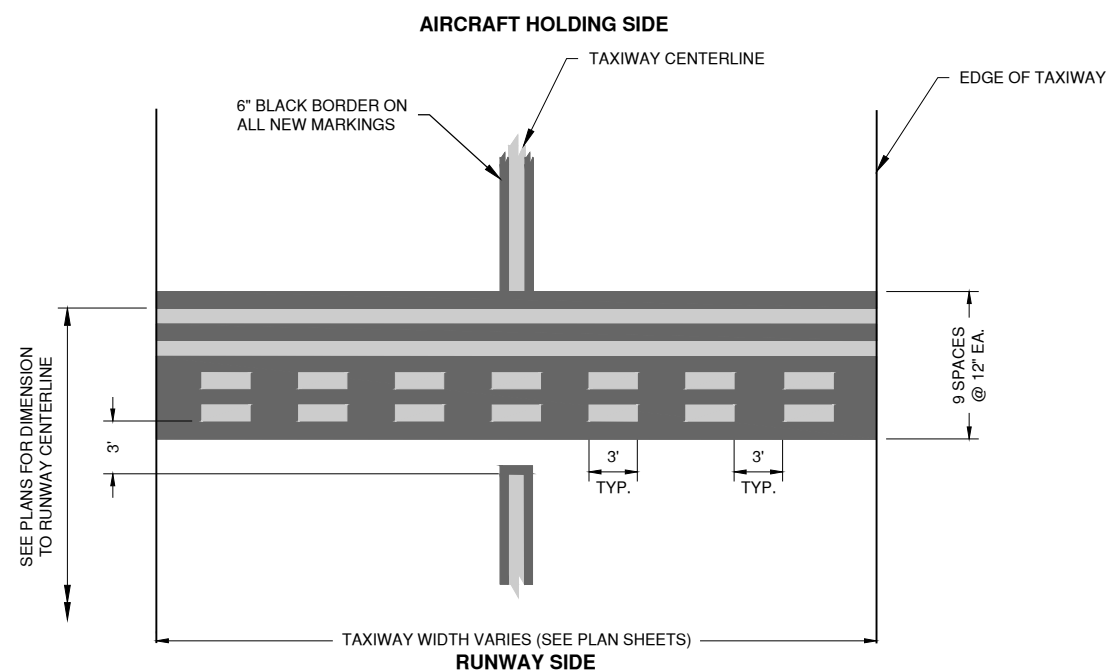
**1 TAXIWAY CENTERLINE DETAIL**  
N.T.S.



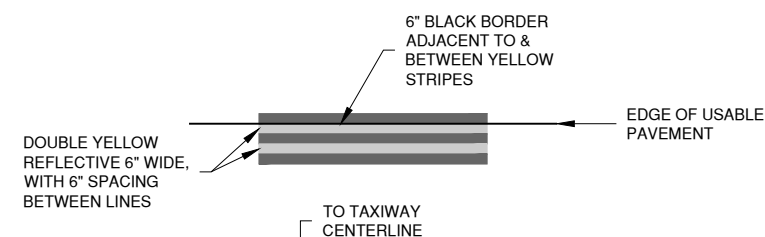
**2 TAXIWAY CENTERLINE MARKING - TRANSITION TO RUNWAY**  
N.T.S.

**MARKING NOTES**

1. ALL NEW AIRFIELD PAVEMENT MARKINGS SHALL HAVE REFLECTIVE BEADS & 6" BLACK BORDER.
2. BLACK BORDER DOES NOT RECEIVE REFLECTIVE BEADS.



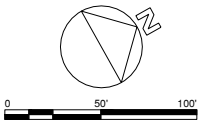
**3 RUNWAY HOLDING POSITION**  
N.T.S.



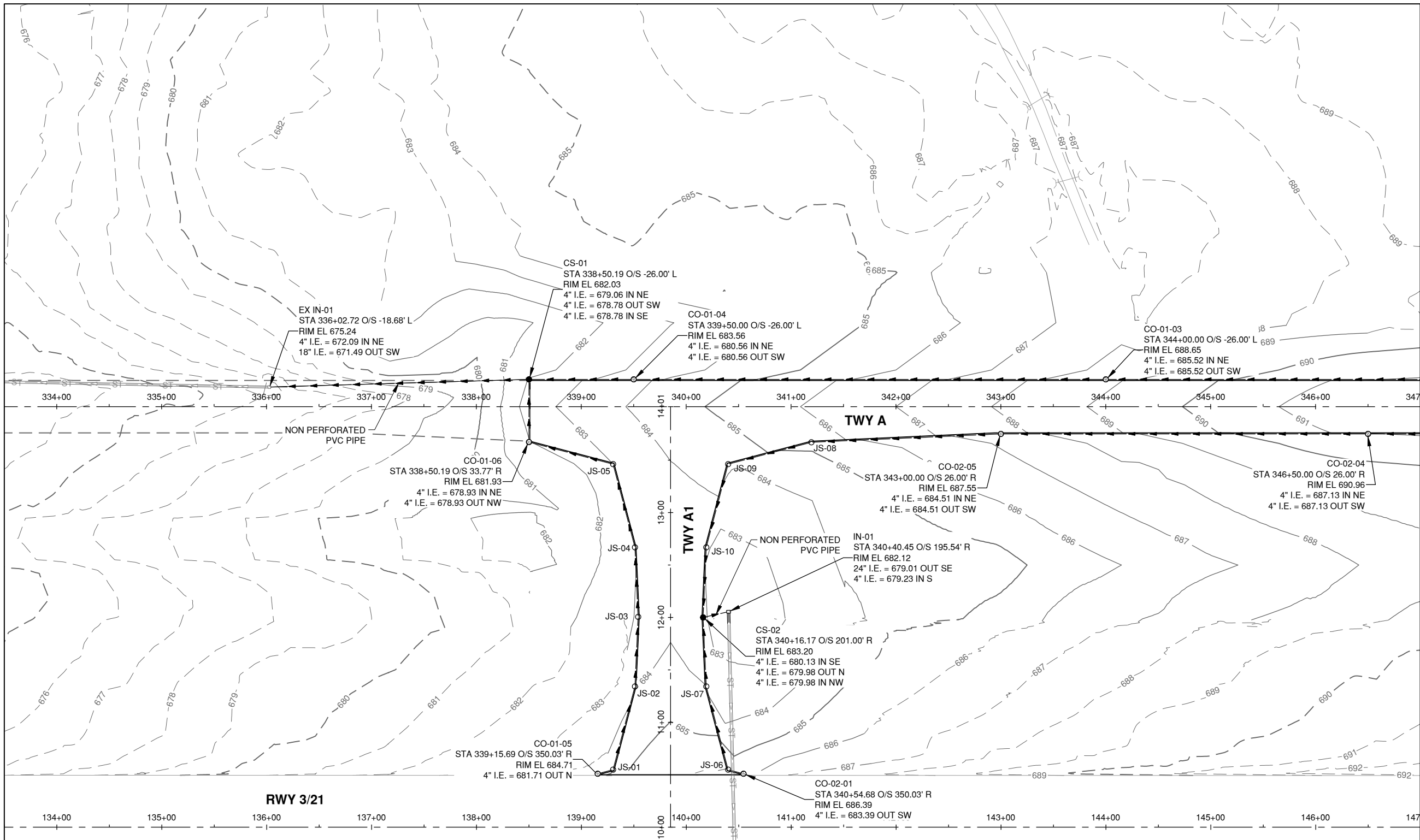
**4 TAXIWAY EDGE MARKING**  
N.T.S.

**MARKING NOTES**

1. ALL NEW AIRFIELD PAVEMENT MARKINGS SHALL HAVE REFLECTIVE BEADS & 6" BLACK BORDER.
2. BLACK BORDER DOES NOT RECEIVE REFLECTIVE BEADS.



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APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT

VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

04/26/21 SUPPLEMENTAL - FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	CONTRACT: VE055
IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CU100.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**GRADING &  
DRAINAGE PLAN 1**

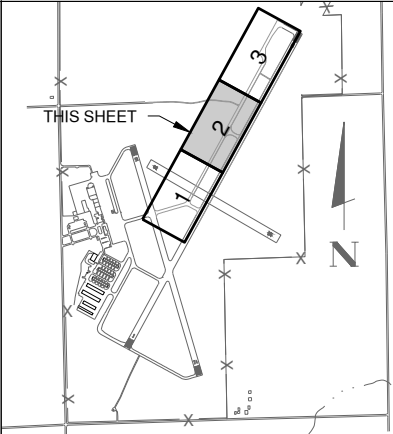
**LEGEND**

	NEW UNDERDRAIN PIPE, PERFORATED UNLESS NOTED
	NEW STORM SEWER PIPE
	EXISTING STORM SEWER PIPE
	NEW INLET - TYPE A
	EXISTING CATCH BASIN
	NEW CLEAN OUT TYPE 1 OR TYPE 2 (CO)
	NEW COLLECTION STRUCTURE (CS)
	NEW PIPE JUNCTION (JS)

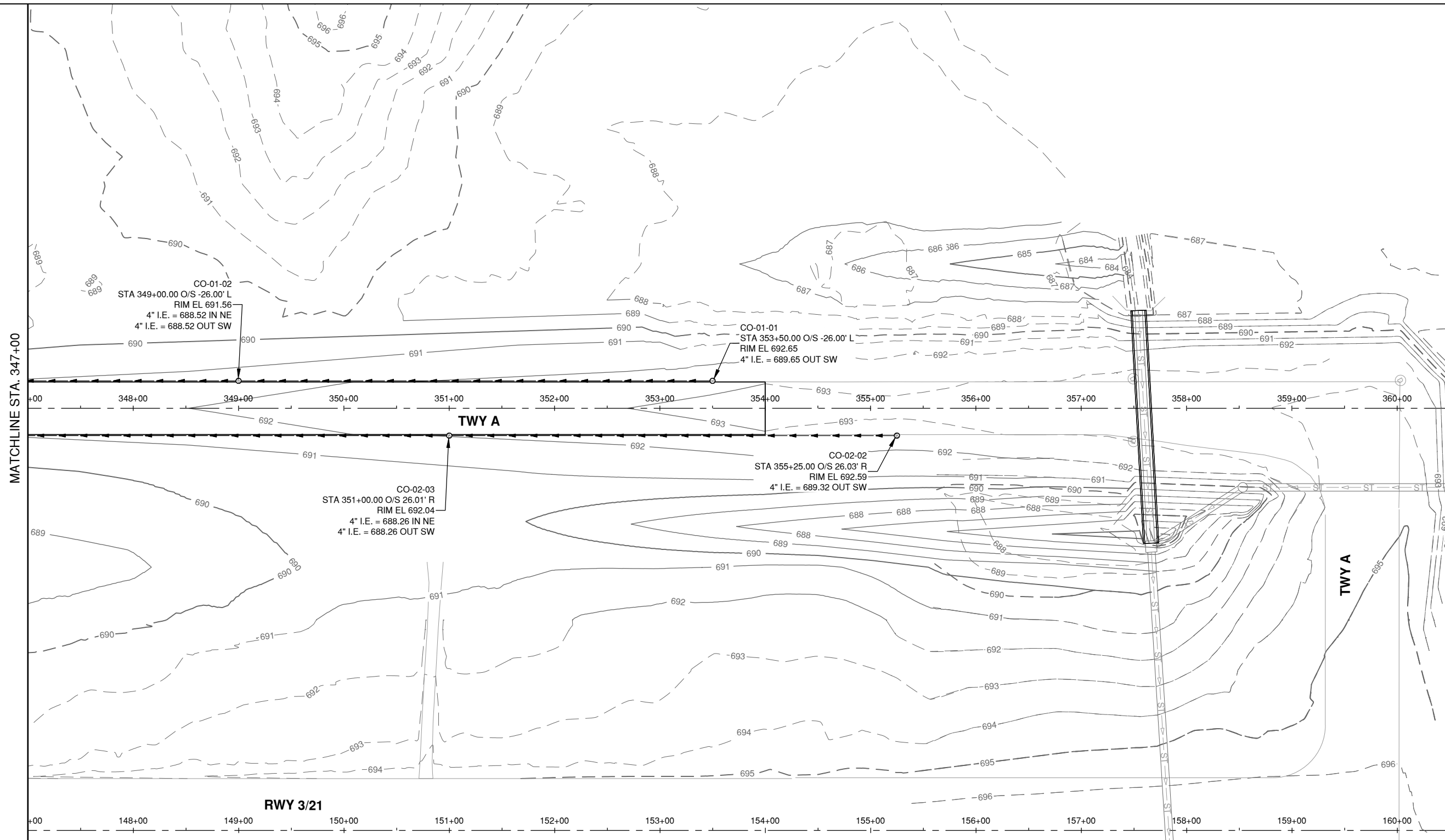
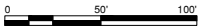
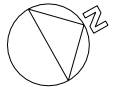
**NOTES**

- CONTRACTOR SHALL CONNECT PROPOSED UNDERDRAIN OUTLETS TO INLETS IN-01 AND EX. IN-01 PER THE DETAILS AS ITEM "UNDERDRAIN CONNECTION".

**KEY PLAN**



Path: K:\Danville\04\190042-02\_Release\Drawings\Drawings\DNV-4742-CU100.dwg  
Date: Monday, May 16, 2022 10:37:05 AM



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APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT

VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

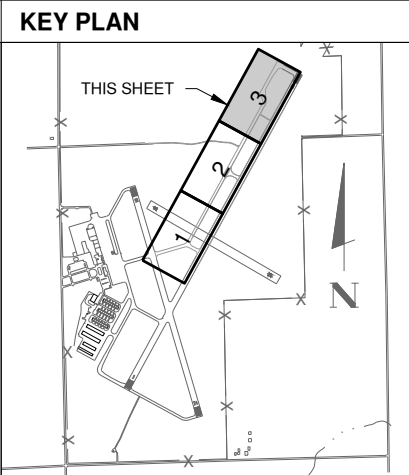
MARK	DATE	DESCRIPTION

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CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CU100.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
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SHEET TITLE  
**GRADING &  
DRAINAGE PLAN 2**

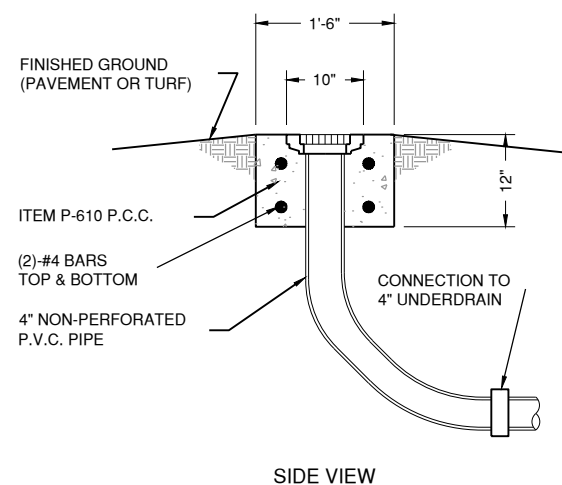
CU102  
SHEET 32 OF 70

LEGEND	NOTES
	NEW UNDERDRAIN PIPE, PERFORATED UNLESS NOTED
	NEW STORM SEWER PIPE
	EXISTING STORM SEWER PIPE
	NEW INLET - TYPE A
	EXISTING CATCH BASIN
	NEW CLEAN OUT TYPE 1 OR TYPE 2 (CO)
	NEW COLLECTION STRUCTURE (CS)
	NEW PIPE JUNCTION (JS)

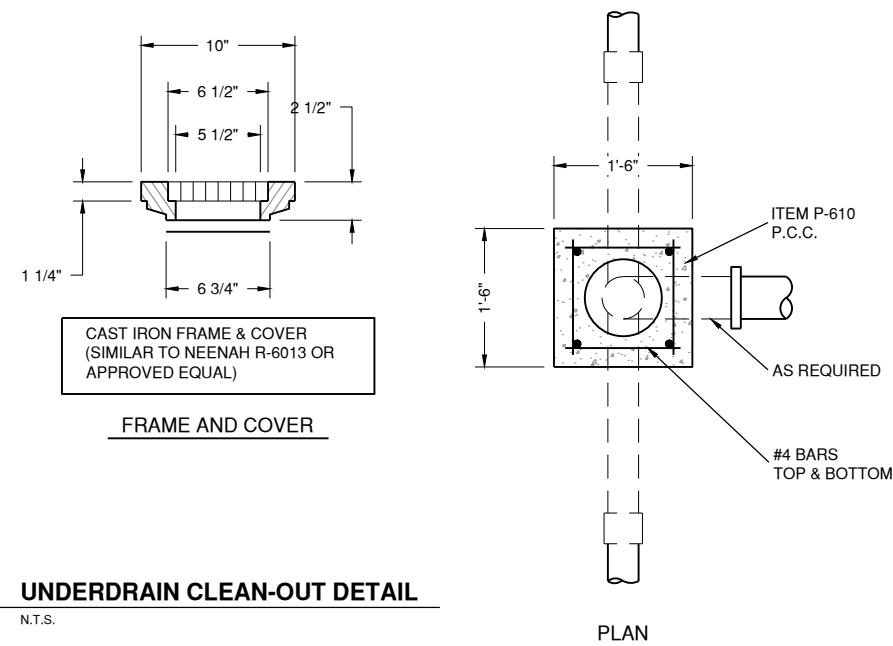


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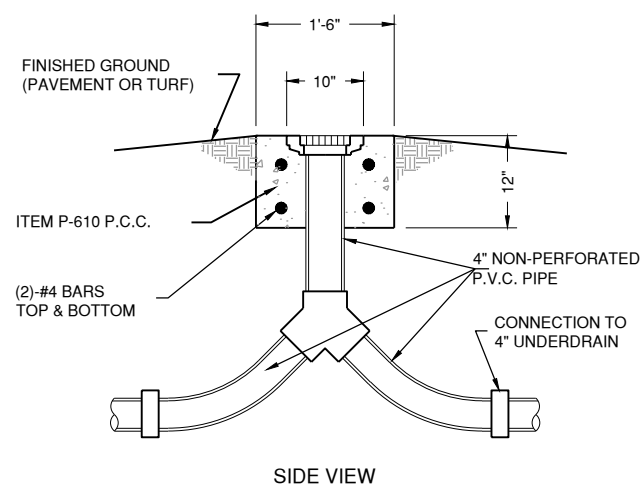




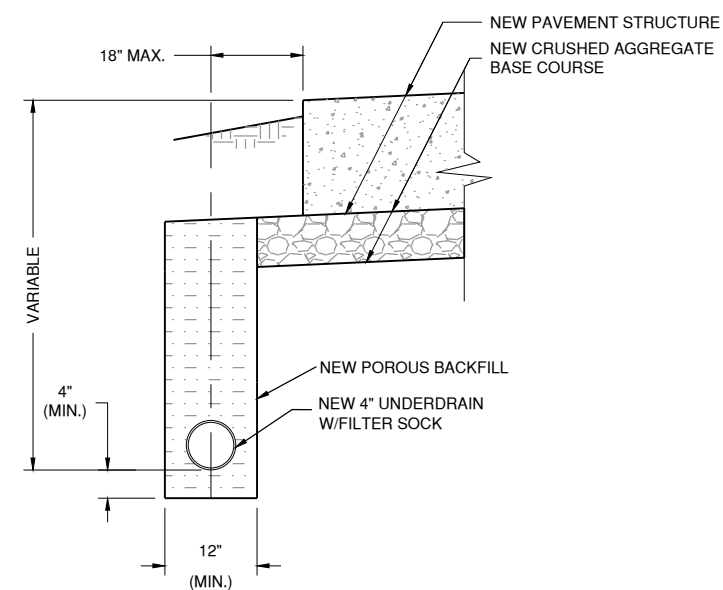
**1 UNDERDRAIN CLEAN-OUT DETAIL - TYPE 1**  
N.T.S.



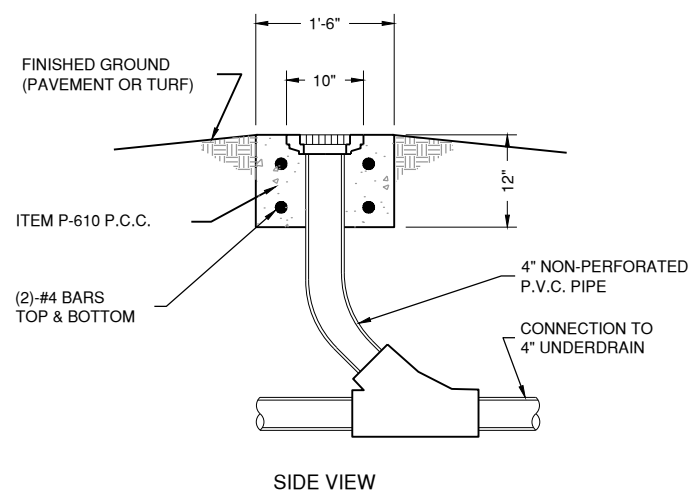
**4 UNDERDRAIN CLEAN-OUT DETAIL**  
N.T.S.



**2 UNDERDRAIN CLEAN-OUT DETAIL - TYPE 2**  
N.T.S.



**5 UNDERDRAIN ALONG PAVEMENT EDGE**  
N.T.S.



**3 UNDERDRAIN CLEAN-OUT DETAIL - TYPE 3**  
N.T.S.

**NOTES**

DURING UNDERDRAIN CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE GOOD DRAINAGE BETWEEN THE SUB-BASE AND THE POROUS BACKFILL MATERIAL. MATERIAL WHICH WILL AFFECT DRAINAGE TO THE UNDERDRAIN SHALL BE REMOVED PRIOR TO THE PLACEMENT OF PROPOSED POROUS BACKFILL. ALL COST FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL.

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



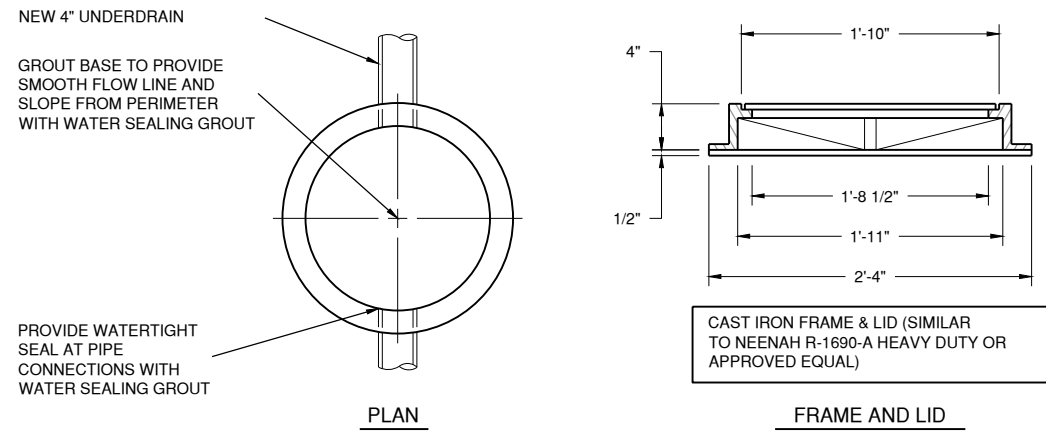
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

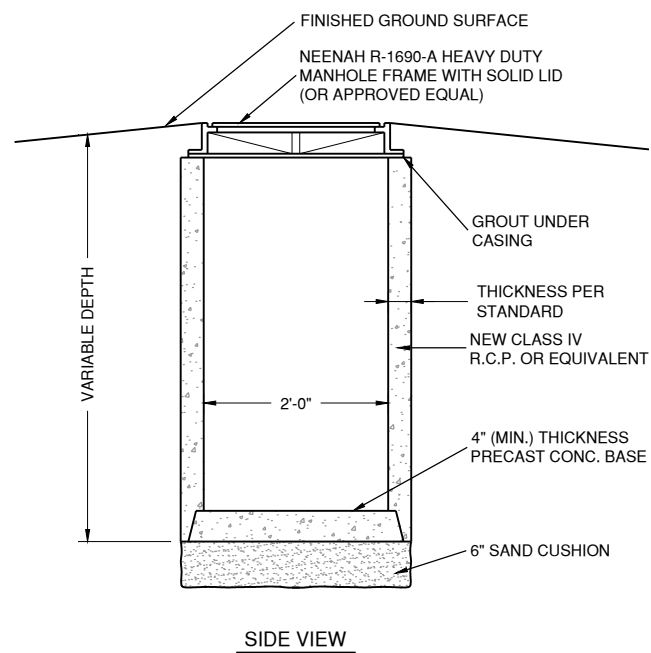
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IL PROJ. NO. DNV-4742	
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CU500.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
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SHEET TITLE  
**UNDERDRAIN  
DETAILS 1**

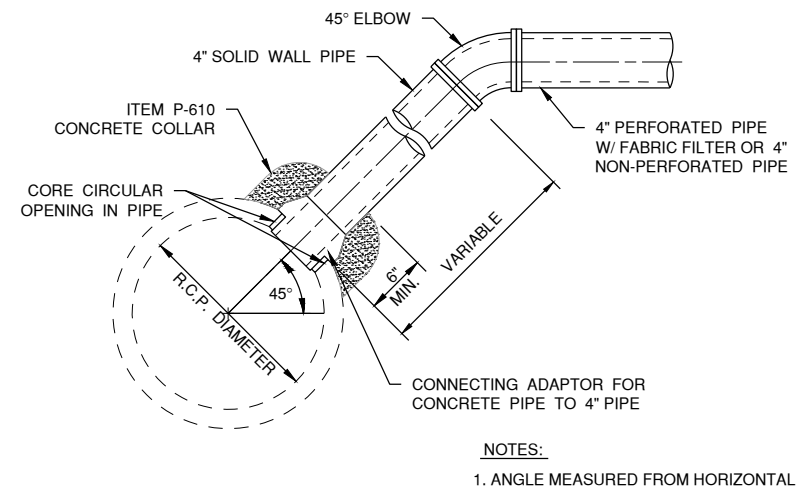
SHEET **33** OF **70**  
CU501



**1 UNDERDRAIN COLLECTION STRUCTURE DETAILS**  
N.T.S.



**2 UNDERDRAIN DIRECT TOP CONNECTION DETAIL**  
N.T.S.



**3 UNDERDRAIN DIRECT CONNECTION TO STRUCTURE**  
N.T.S.

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APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

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MARK	DATE	DESCRIPTION

FED PROJ. NO.  
3-17-SBGP-156/162/171/TBD

IL PROJ. NO. DNV-4742 CONTRACT: VE055

CMT PROJECT NO: 190042-02

CAD DWG FILE: DNV-4742-CU500.DWG

DESIGNED BY: AJG

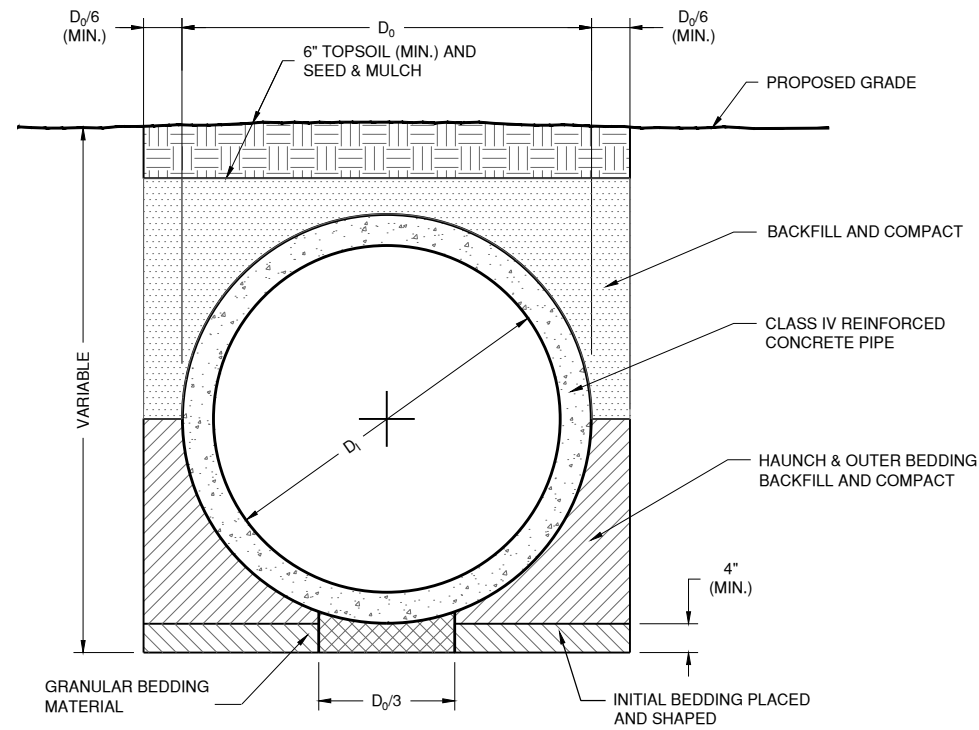
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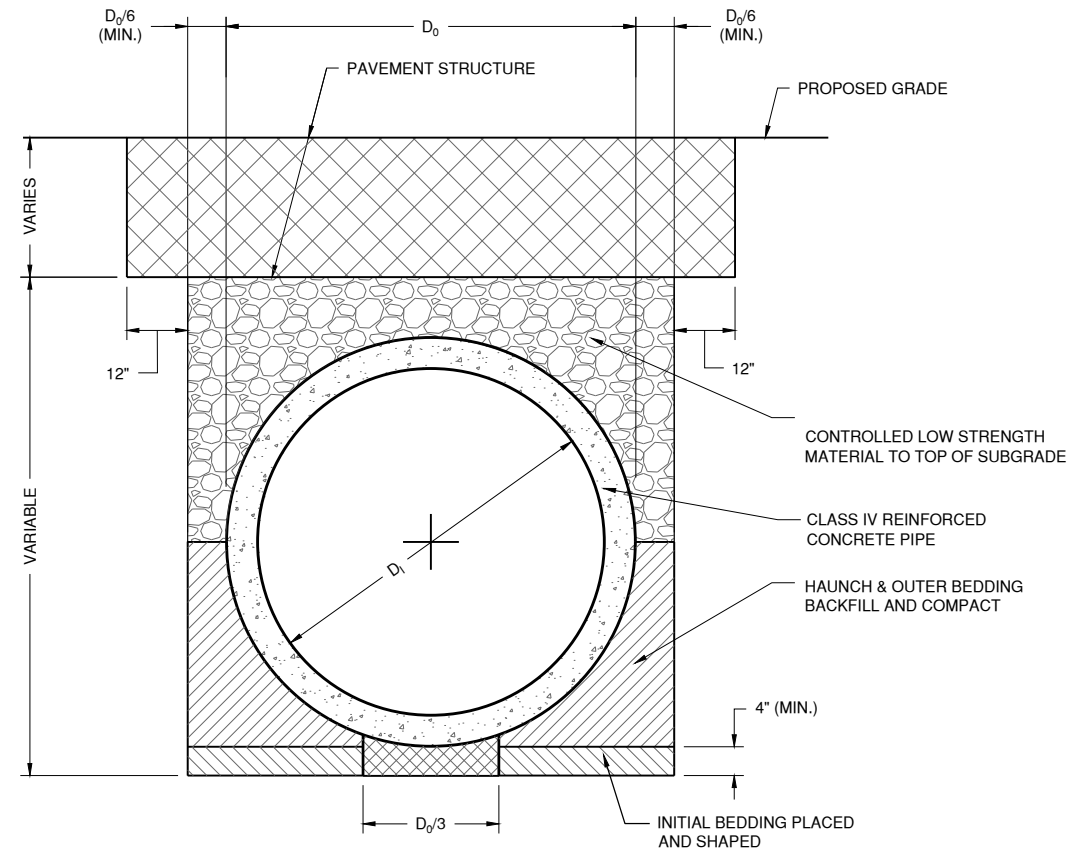
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SHEET TITLE  
**UNDERDRAIN  
DETAILS 2**



**1** STANDARD RCP TRENCH INSTALLATION  
IN NON-PAVED AREA DETAIL  
N.T.S



**2** STANDARD RCP TRENCH INSTALLATION  
IN PAVED AREA DETAIL  
N.T.S

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



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FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	
IL. PROJ. NO. DNV-4742	CONTRACT: VE055
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CU500.DWG	
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SHEET TITLE  
**DRAINAGE DETAILS 1**

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

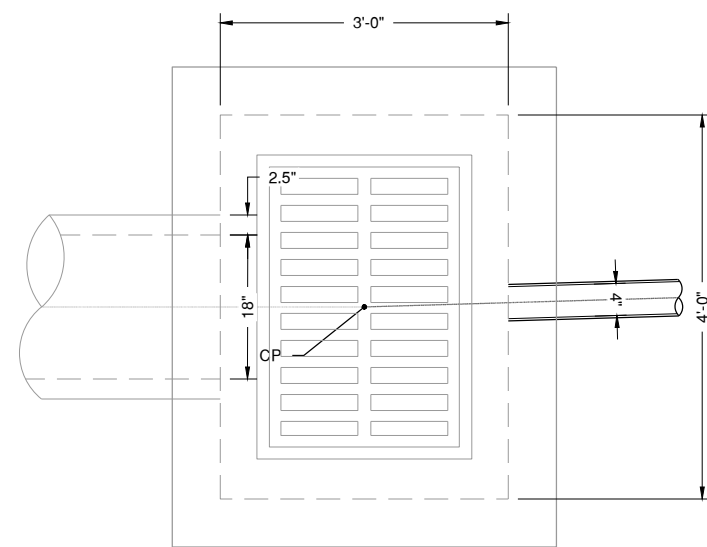
OWNER



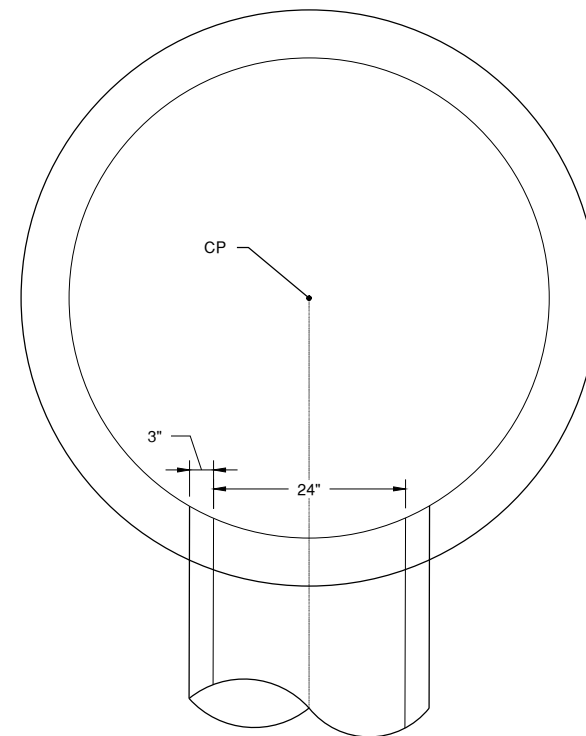
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AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION
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IL. PROJ. NO. DNV-4742		CONTRACT: VE055
CMT PROJECT NO: 190042-02		
CAD DWG FILE: DNV-4742-CU510.DWG		
DESIGNED BY: AJG		
DRAWN BY: CMT		
CHECKED BY: CHK		
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SHEET TITLE  
**DRAINAGE  
STRUCTURE DETAIL 1**



**1** EXISTING INLET IN-01  
N.T.S  
CU101



**2** INLET IN-04 - TYPE A  
N.T.S  
CU101

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

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MARK	DATE	DESCRIPTION

FED PROJ. NO.  
3-17-SBGP-156/162/171/TBD

IL PROJ. NO. DNV-4742 CONTRACT: VE055

CMT PROJECT NO: 190042-02

CAD DWG FILE: DNV-4742-CU510.DWG

DESIGNED BY: AJG

DRAWN BY: CMT

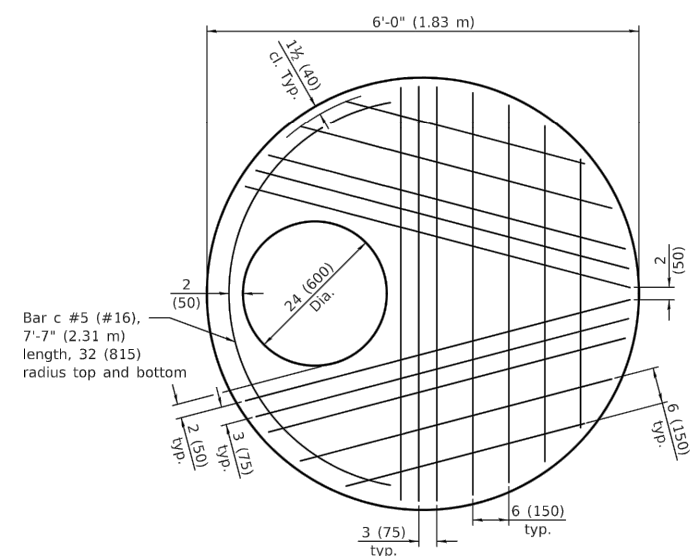
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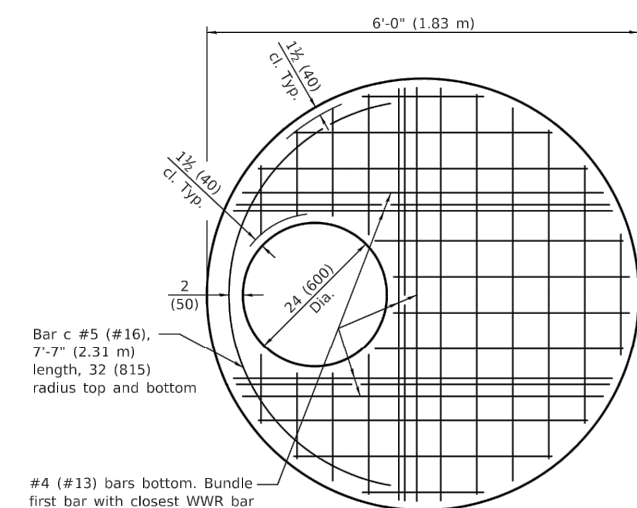
SHEET TITLE  
**DRAINAGE  
STRUCTURE DETAIL 2**

CU512  
SHEET 37 OF 70



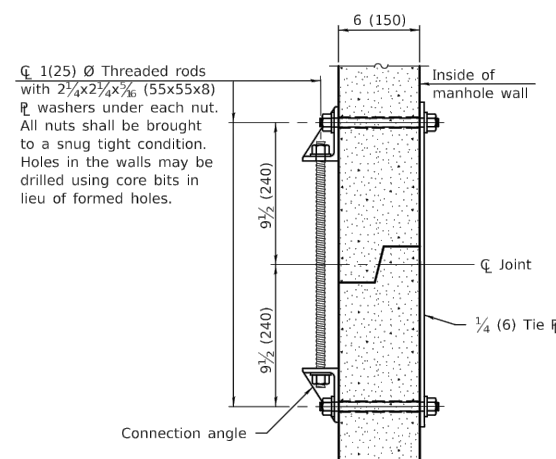
**PLAN - FLAT SLAB TOP**

(Showing layout of bottom reinforcement bars and c bars)

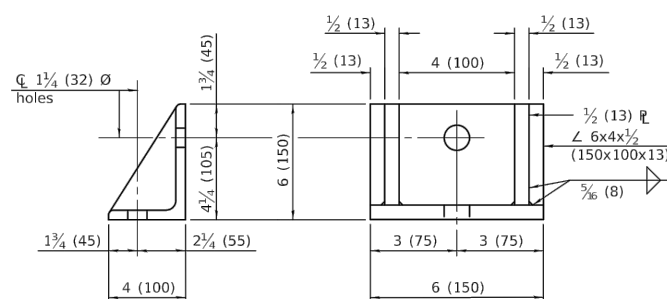


**PLAN - FLAT SLAB TOP**

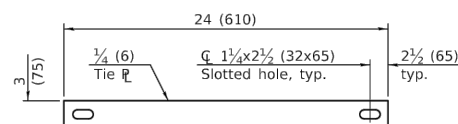
(Showing layout of welded wire reinforcement and c bars)



**JOINT SPLICE**



**CONNECTION ANGLE**



**TIE PLATE**

**FLAT SLAB TOP REINFORCEMENT**

Location	WWR (each direction)		Rebar (each direction except as noted)		
	A <sub>s</sub> (min.)	Spacing (max.)	A <sub>s</sub> (min.)	Spacing (max.)	Bar Size
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	** 0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#4 (#13)

\*\* Only one layer of WWR permitted to avoid congestion.

**WALL REINFORCEMENT**

Location	Orientation	WWR or Rebar	
		A <sub>s</sub> (min.)	Spacing (max.)
Riser	Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m)	4 (100)

**BASE SLAB REINFORCEMENT**

Location	Total Height	WWR or Rebar (each direction)	
		A <sub>s</sub> (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.28 sq. in./ft. (593 sq. mm/m)	8 (200)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)

**PRECAST MANHOLE TYPE A  
5' (1.52 m) DIAMETER**

(Sheet 2 of 2)

IDOT STANDARD 602402-02

Illinois Department of Transportation

PASSED March 1, 2019

ENGINEER OF POLICY AND PROCEDURES

APPROVED March 1, 2019

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 81-1-1 03/19

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



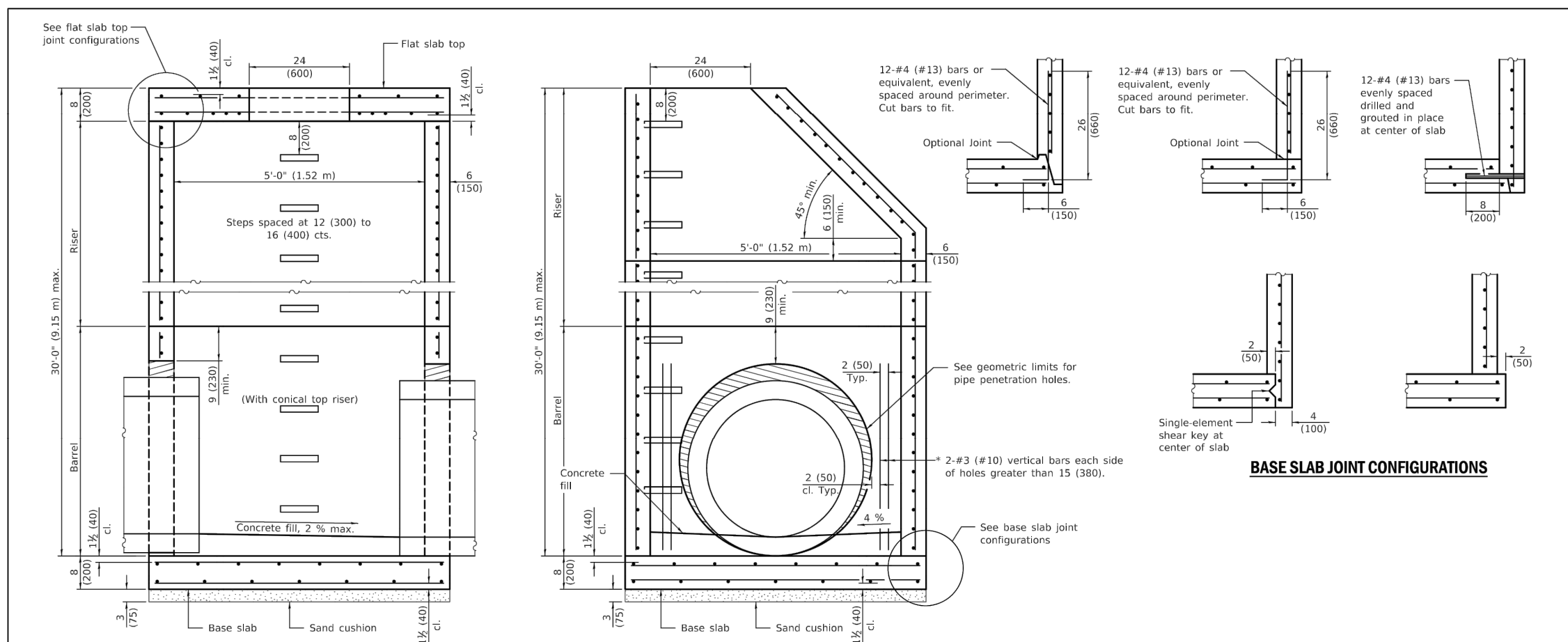
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

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IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-CU510.DWG	DESIGNED BY: AJG
DRAWN BY: CMT	CHECKED BY: MJD
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SHEET TITLE  
**DRAINAGE  
STRUCTURE DETAIL 3**

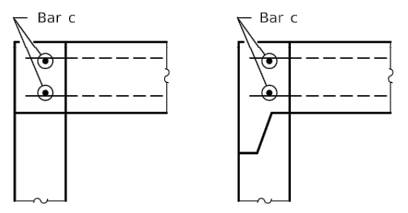
CU513  
SHEET 38 OF 70



**SECTION PARALLEL TO PIPE**  
(Without conical top riser)

**SECTION PERPENDICULAR TO PIPE**  
(With conical top riser)

**BASE SLAB JOINT CONFIGURATIONS**

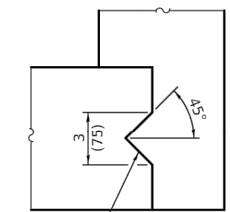


**FLAT SLAB TOP JOINT CONFIGURATIONS**  
(Shown at access hole)

\* As an alternate, the barrel wall reinforcement may be reduced to riser wall reinforcement with #3 (#10) bars placed around the pipe penetration holes as shown. This option may be utilized when the pipe penetration holes are formed as opposed to cored.

**GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES**

- A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 32 (810).
- A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



**SHEAR KEY GEOMETRY**  
(Reinforcement not shown for clarity)

**GENERAL NOTES**

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations, except as noted.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
3-1-19	Moved wall reinforcement from inside face to middle.
1-1-19	Expanded / refined reinforcement options. Increased manhole depths.

**PRECAST MANHOLE TYPE A  
5' (1.52 m) DIAMETER**

IDOT STANDARD 602402-02  
(Sheet 1 of 2)

Illinois Department of Transportation

PASSED March 1, 2019  
ENGINEER OF POLICY AND PROCEDURES

APPROVED March 1, 2019  
ENGINEER OF DESIGN AND ENVIRONMENT

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



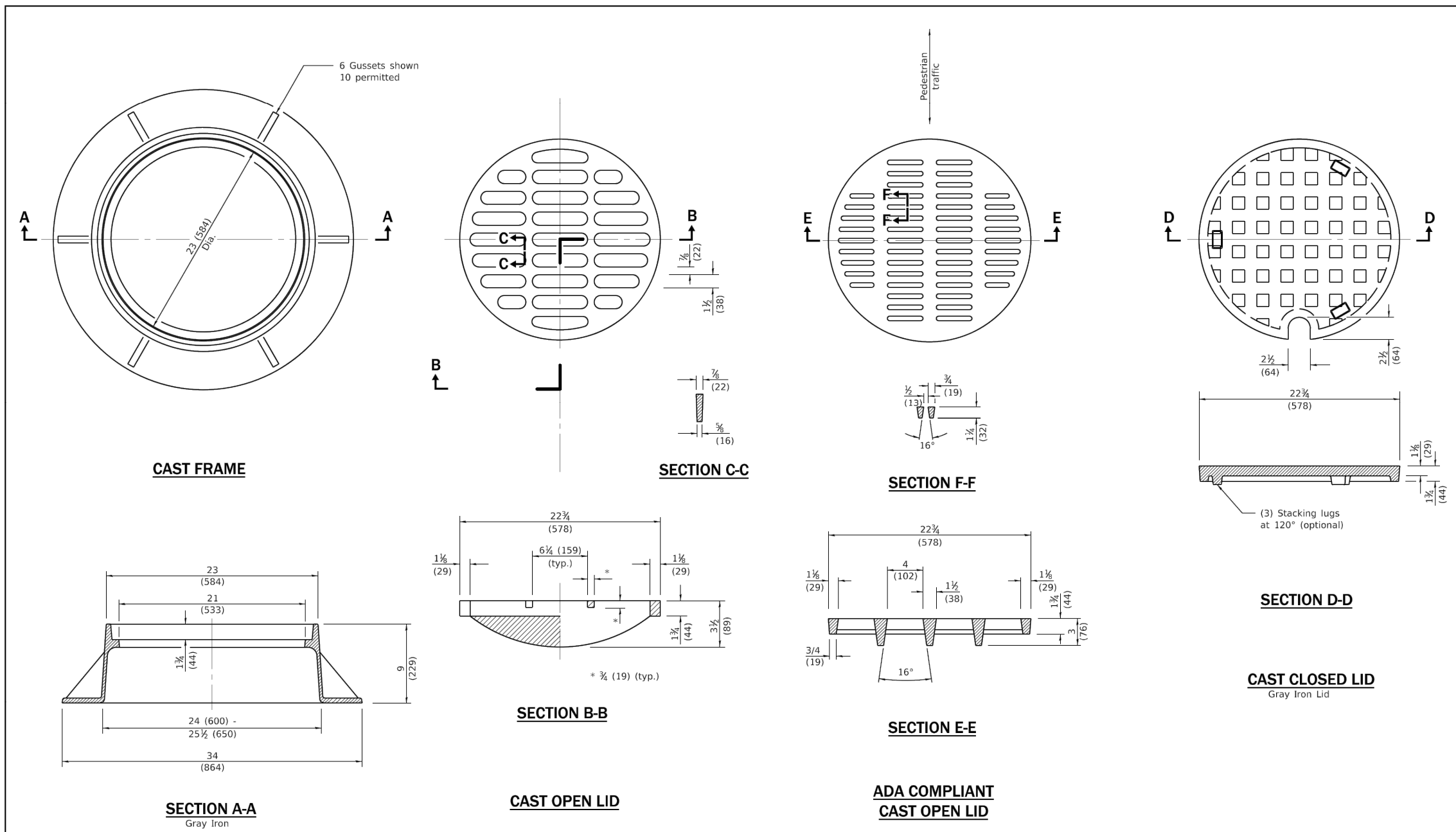
VERMILION REGIONAL AIRPORT  
AUTHORITY  
DANVILLE, ILLINOIS

MARK | DATE | DESCRIPTION

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IL PROJ. NO.	DNV-4742 CONTRACT: VE055
CMT PROJECT NO.	190042-02
CAD DWG FILE:	DNV-4742-CU510.DWG
DESIGNED BY:	AJG
DRAWN BY:	CMT
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SHEET TITLE  
**DRAINAGE  
STRUCTURE DETAIL 4**

CD514  
SHEET 39 OF 70



DATE	REVISIONS
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.
1-1-09	Switched units to English (metric).

**FRAME AND LIDS  
TYPE 1**

**IDOT STANDARD 604001-04**

Illinois Department of Transportation

PASSED January 1, 2015  
*Michael Beard*  
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2015  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4/8/11



License No. 184-000613

CONSULTANTS

### STRUCTURE TABLE STORM UNDERDRAIN

STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
CO-01-01	RIM = 692.65 SUMP = 689.65 01-01 INV IN = 689.65 01-02 INV OUT = 689.65	TWY A STA 353+50.00 OFFSET -26.00 L
CO-01-02	RIM = 691.56 SUMP = 688.52 01-01 INV IN = 688.52 01-02 INV OUT = 688.52	TWY A STA 349+00.00 OFFSET -26.00 L
CO-01-03	RIM = 688.65 SUMP = 685.52 01-02 INV IN = 685.52 01-03 INV OUT = 685.52	TWY A STA 344+00.00 OFFSET -26.00 L
CO-01-04	RIM = 683.56 SUMP = 680.56 01-03 INV IN = 680.56 01-04 INV OUT = 680.56	TWY A STA 339+50.00 OFFSET -26.00 L
CO-01-05	RIM = 684.71 SUMP = 681.69 01-06 INV OUT = 681.71	TWY A1 STA 10+50.97 OFFSET -69.49 L
CO-01-06	RIM = 681.93 SUMP = 678.93 01-11 INV IN = 678.93 01-12 INV OUT = 678.93	TWY A1 STA 13+67.23 OFFSET -135.00 L
CO-02-01	RIM = 686.39 SUMP = 682.74 02-01 INV OUT = 683.39	TWY A1 STA 10+50.97 OFFSET 69.49 R
CO-02-02	RIM = 692.59 SUMP = 689.32 02-05 INV OUT = 689.32	TWY A STA 355+25.00 OFFSET 26.03 R
CO-02-03	RIM = 692.04 SUMP = 688.26 02-05 INV IN = 688.26 02-06 INV OUT = 688.26	TWY A STA 351+00.00 OFFSET 26.01 R
CO-02-04	RIM = 690.96 SUMP = 687.13 02-06 INV IN = 687.13 02-07 INV OUT = 687.13	TWY A STA 346+50.00 OFFSET 26.00 R
CO-02-05	RIM = 687.55 SUMP = 684.51 02-07 INV IN = 684.51 02-08 INV OUT = 684.51	TWY A STA 343+00.00 OFFSET 26.00 R
CS-01	RIM = 682.03 SUMP = 678.78 01-04 INV IN = 679.06 01-12 INV IN = 678.78 01-05-NP INV OUT = 678.78	TWY A STA 338+50.19 OFFSET -26.00 L

### STRUCTURE TABLE STORM UNDERDRAIN

STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
CS-02	RIM = 683.20 SUMP = 679.98 02-02 INV IN = 680.13 02-11 INV IN = 679.98 02-04-NP INV OUT = 679.98	TWY A1 STA 12+00.00 OFFSET 30.98 R
JS-01	RIM = 681.97 SUMP = ??? 01-06 INV IN = 681.60 01-07 INV OUT = 681.60	TWY A1 STA 10+54.82 OFFSET -54.82 L
JS-02	RIM = 681.39 SUMP = ??? 01-07 INV IN = 681.03 01-08 INV OUT = 681.03	TWY A1 STA 11+34.15 OFFSET -33.99 L
JS-03	RIM = 680.93 SUMP = ??? 01-08 INV IN = 680.56 01-09 INV OUT = 680.56	TWY A1 STA 12+00.50 OFFSET -30.96 L
JS-04	RIM = 680.46 SUMP = ??? 01-09 INV IN = 680.09 01-10 INV OUT = 680.09	TWY A1 STA 12+66.85 OFFSET -33.99 L
JS-05	RIM = 679.88 SUMP = ??? 01-10 INV IN = 679.51 01-11 INV OUT = 679.51	TWY A STA 339+30.37 OFFSET 54.82 R
JS-06	RIM = 683.45 SUMP = ??? 02-01 INV IN = 683.08 02-03 INV OUT = 683.08	TWY A1 STA 10+54.82 OFFSET 54.82 R
JS-07	RIM = 681.81 SUMP = ??? 02-03 INV IN = 681.44 02-02 INV OUT = 681.44	TWY A1 STA 11+34.15 OFFSET 33.99 R
JS-08	RIM = 682.89 SUMP = ??? 02-08 INV IN = 682.52 02-09 INV OUT = 682.52	TWY A1 STA 13+67.01 OFFSET 134.15 R
JS-09	RIM = 681.98 SUMP = ??? 02-09 INV IN = 681.62 02-10 INV OUT = 681.62	TWY A STA 340+40.00 OFFSET 54.82 R
JS-10	RIM = 681.08 SUMP = ??? 02-10 INV IN = 680.71 02-11 INV OUT = 680.71	TWY A1 STA 12+66.85 OFFSET 33.99 R

### STRUCTURE TABLE STORM SEWER

STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
IN-01	RIM = 682.12 SUMP = 679.01 02-04-NP INV IN = 679.23 D1 INV OUT = 679.01	TWY A STA 340+40.45 OFFSET 195.54 R

### PIPE SCHEDULE STORM SEWER

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
D1	IN-01	EX D1	679.01	678.95	10	0.50%	CONCRETE PIPE - 24"

### PIPE SCHEDULE STORM UNDERDRAIN

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
01-01	CO-01-01	CO-01-02	689.65	688.52	447	0.25%	PVC PIPE - 4"
01-02	CO-01-02	CO-01-03	688.52	685.52	496	0.60%	PVC PIPE - 4"
01-03	CO-01-03	CO-01-04	685.52	680.56	446	1.10%	PVC PIPE - 4"
01-04	CO-01-04	CS-01	680.56	679.06	96	1.50%	PVC PIPE - 4"
01-05-NP	CS-01	EX IN-01	678.78	672.09	245	2.70%	PVC PIPE - 4"
01-06	CO-01-05	JS-01	681.71	681.60	13	0.70%	PVC PIPE - 4"
01-07	JS-01	JS-02	681.60	681.03	82	0.70%	PVC PIPE - 4"
01-08	JS-02	JS-03	681.03	680.56	66	0.70%	PVC PIPE - 4"
01-09	JS-03	JS-04	680.56	680.09	66	0.70%	PVC PIPE - 4"
01-10	JS-04	JS-05	680.09	679.51	82	0.70%	PVC PIPE - 4"
01-11	JS-05	CO-01-06	679.51	678.93	81	0.70%	PVC PIPE - 4"
01-12	CO-01-06	CS-01	678.93	678.78	56	0.25%	PVC PIPE - 4"
02-01	CO-02-01	JS-06	683.39	683.08	13	2.00%	PVC PIPE - 4"
02-02	JS-07	CS-02	681.44	680.13	64	2.00%	PVC PIPE - 4"
02-03	JS-06	JS-07	683.08	681.44	82	2.00%	PVC PIPE - 4"
02-04-NP	CS-02	IN-01	679.98	679.23	21	3.00%	PVC PIPE - 4"
02-05	CO-02-02	CO-02-03	689.32	688.26	421	0.25%	PVC PIPE - 4"
02-06	CO-02-03	CO-02-04	688.26	687.13	446	0.25%	PVC PIPE - 4"
02-07	CO-02-04	CO-02-05	687.13	684.51	346	0.75%	PVC PIPE - 4"
02-08	CO-02-05	JS-08	684.51	682.52	179	1.10%	PVC PIPE - 4"
02-09	JS-08	JS-09	682.52	681.62	82	1.10%	PVC PIPE - 4"
02-10	JS-09	JS-10	681.62	680.71	82	1.10%	PVC PIPE - 4"
02-11	JS-10	CS-02	680.71	679.98	65	1.10%	PVC PIPE - 4"

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

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DANVILLE, ILLINOIS

MARK | DATE | DESCRIPTION

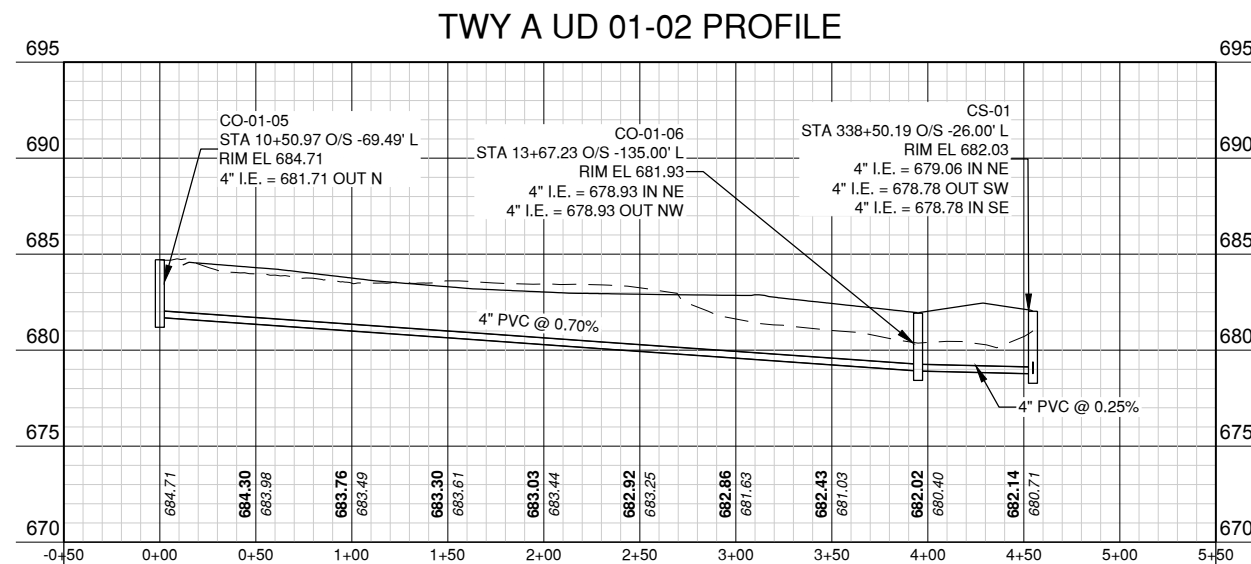
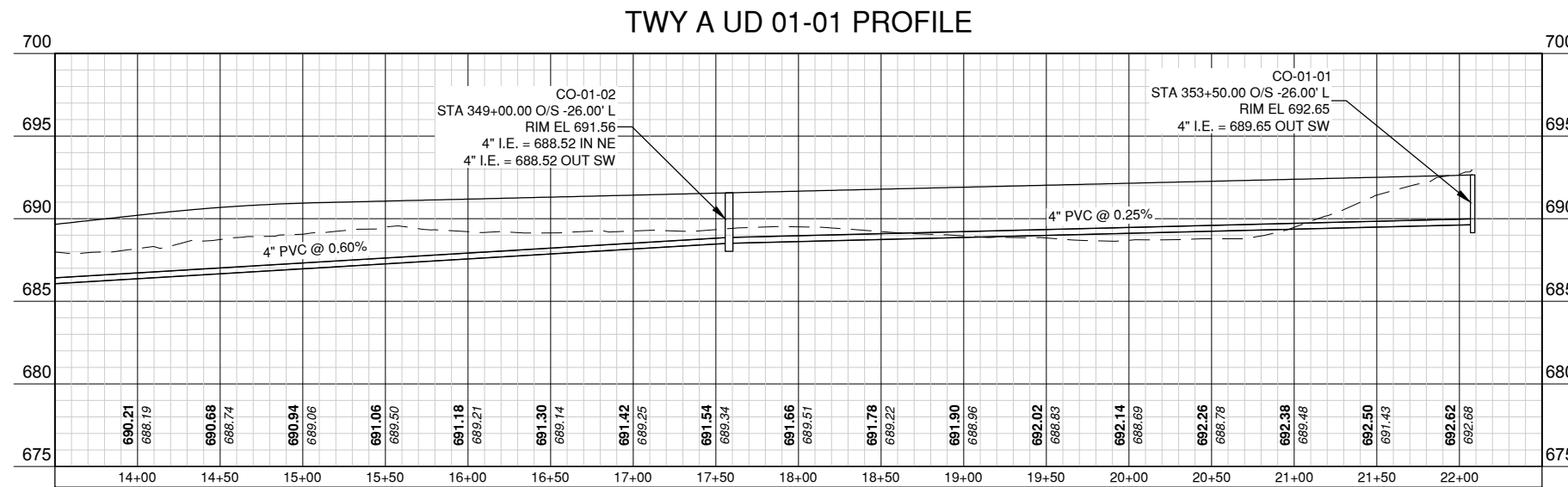
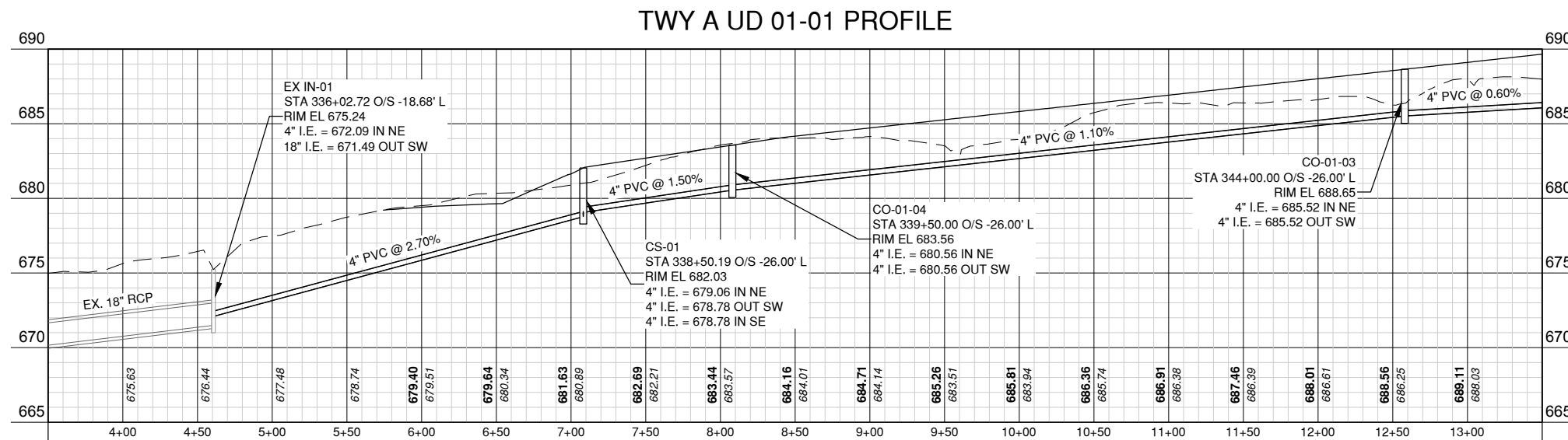
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IL PROJ. NO.	DNV-4742
CONTRACT:	VE055
CMT PROJECT NO:	190042-02
CAD DWG FILE:	DNV-4742-CU600.DWG
DESIGNED BY:	AJG
DRAWN BY:	CMT
CHECKED BY:	MJD
APPROVED BY:	EMH
COPYRIGHT:	

SHEET TITLE

**DRAINAGE PIPE AND  
STRUCTURE  
SCHEDULES**

CU601  
SHEET 40 OF 70





FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION
FED PROJ. NO. 3-17-SBGP-156/162/171/TBD		
IL PROJ. NO. DNV-4742		CONTRACT: VE055
CMT PROJECT NO: 190042-02		
CAD DWG FILE: DNV-4742-CU800.DWG		
DESIGNED BY: AJG		
DRAWN BY: CMT		
CHECKED BY: MJD		
APPROVED BY: EMH		
COPYRIGHT:		

SHEET TITLE  
**DRAINAGE PROFILE 1**

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

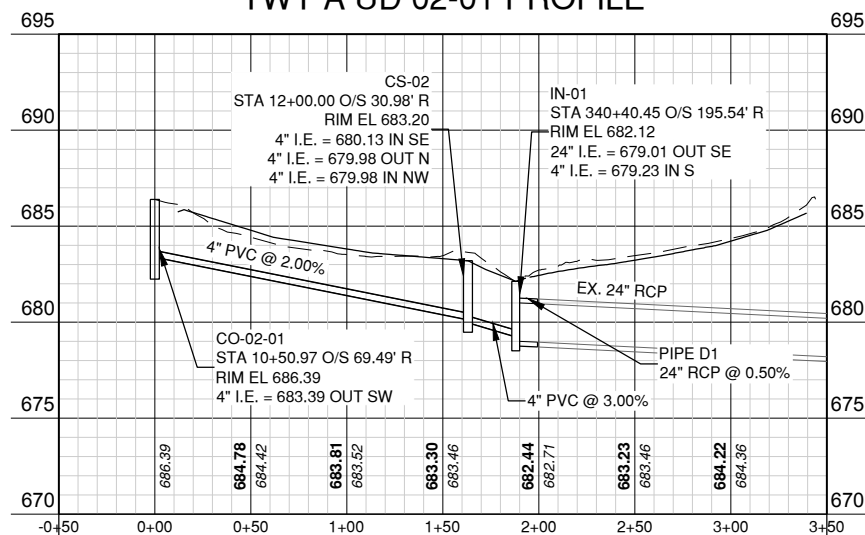
MARK	DATE	DESCRIPTION

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IL PROJ. NO. DNV-4742	
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CU800.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
COPYRIGHT:	

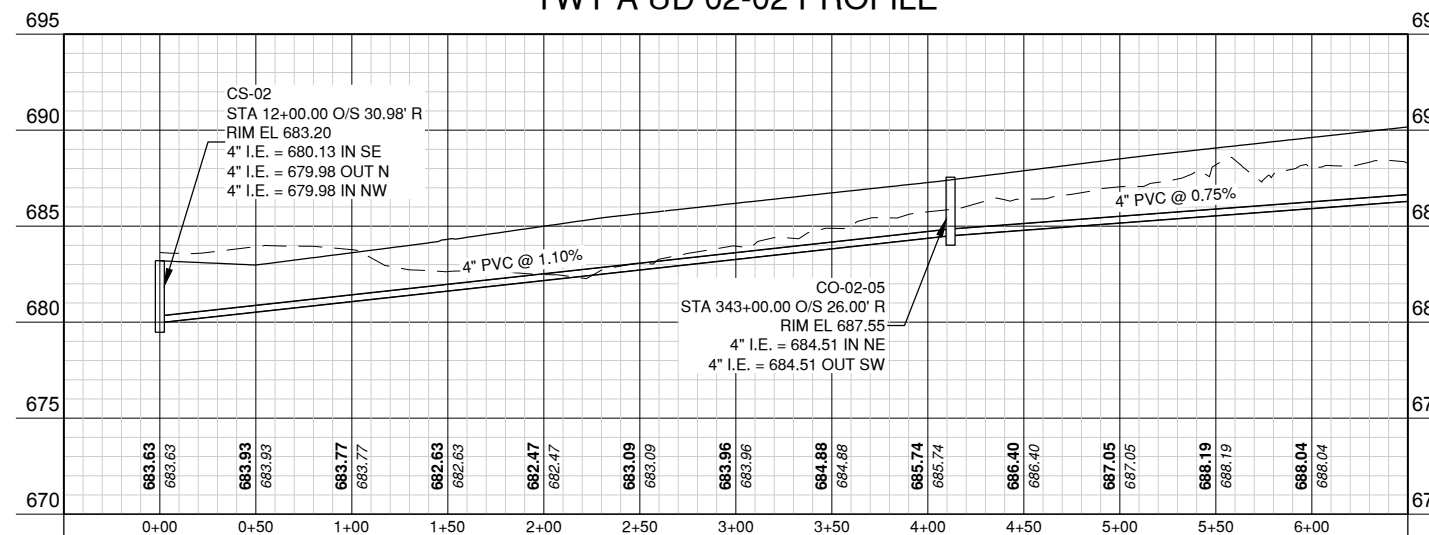
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**DRAINAGE PROFILE 2**

CU802  
SHEET 42 OF 70

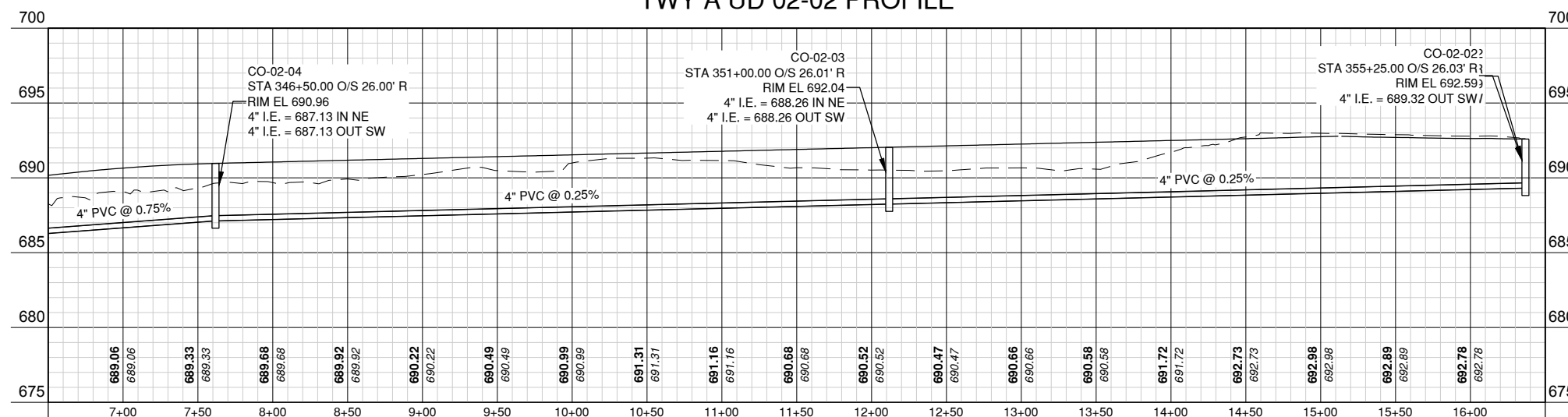
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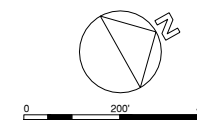


TWY A UD 02-02 PROFILE



TWY A UD 02-02 PROFILE





FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



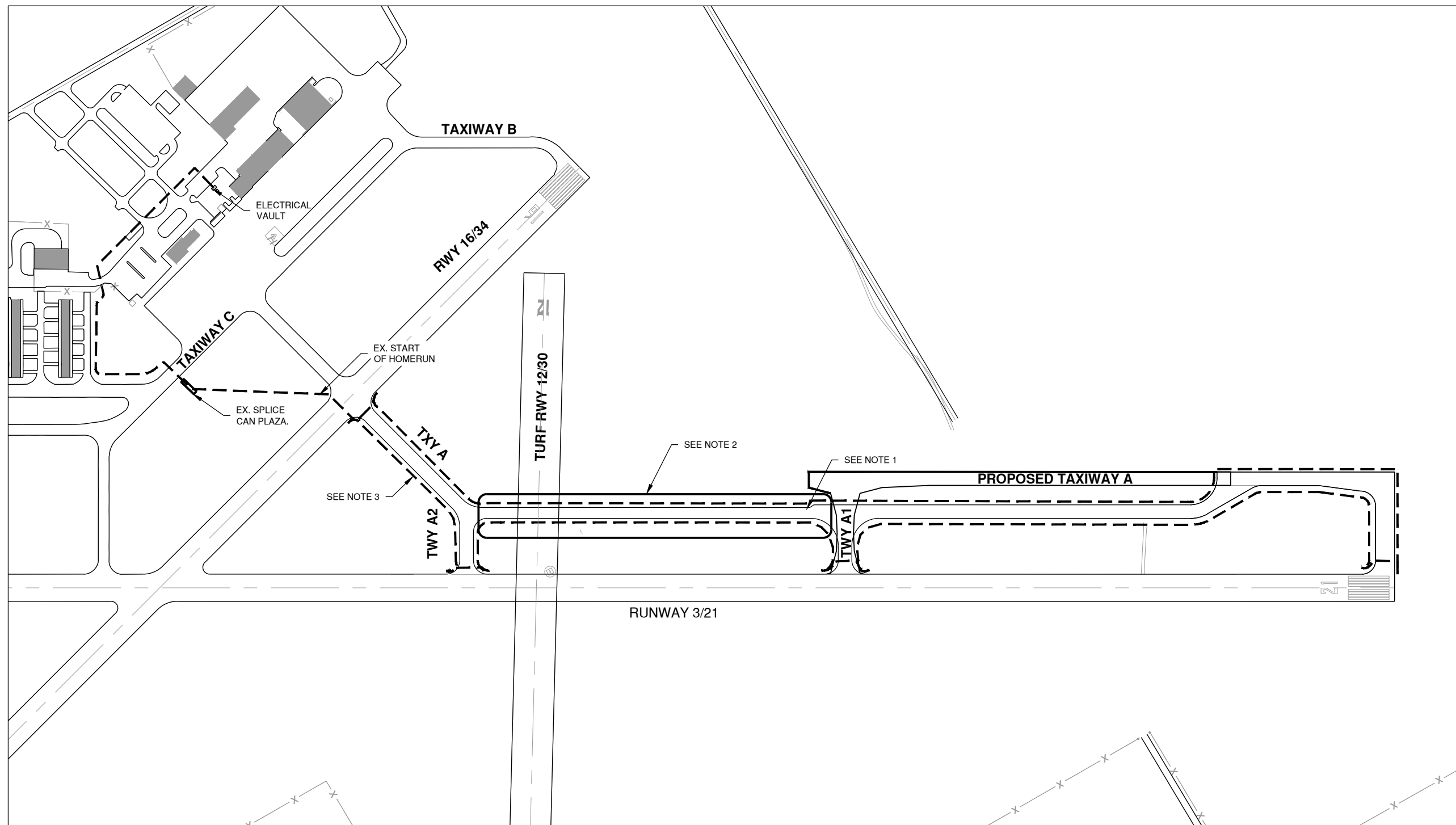
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	
IL PROJ. NO. DNV-4742	CONTRACT: VE055
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-EG200.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
COPYRIGHT:	

SHEET TITLE  
**PROPOSED  
CIRCUITRY  
SCHEMATIC**

EG201  
SHEET 43 OF 70



**LEGEND**

--- EXISTING TAXIWAY A CIRCUIT (CIRCUIT 1)  
SHOWN IN SCHEMATIC VIEW FOR CLARITY ON THIS SHEET.

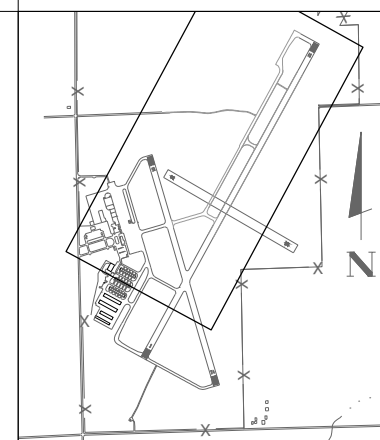
**NOTES**

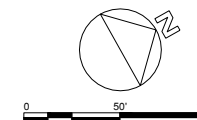
- SEE ELECTRICAL LAYOUT PLAN FOR PROPOSED CABLING AND CONNECTION TO EXISTING CIRCUIT 1.
- REMOVE EXISTING LIGHTS AND SIGNS IN THIS AREA IN THE BEGINNING OF PHASE 1. KEEP CABLES ENERGIZED UNDERGROUND TO FEED THE PROPOSED TAXIWAY A CABLING SHOWN ON THE ELECTRICAL LAYOUT PLANS. DISCONNECT EXISTING SIGNS IN THIS AREA AT THE EXISTING SPLICE CAN IN EACH SIGN BASE.
- THE EXISTING CIRCUIT "1" SHALL BE ACTIVE THROUGHOUT THE PROJECT WITH OCCASIONAL EXCEPTIONS. SOME PORTION OF TAXIWAY A WILL BE OPEN TO AIR TRAFFIC IN PHASE 1A.
- THIS SHEET IS FOR SCHEMATIC VIEWING ONLY AND IS NOT INTENDED TO SHOW OTHER UTILITIES OR CIRCUITS.

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE RESIDENT ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

**KEY PLAN**





FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



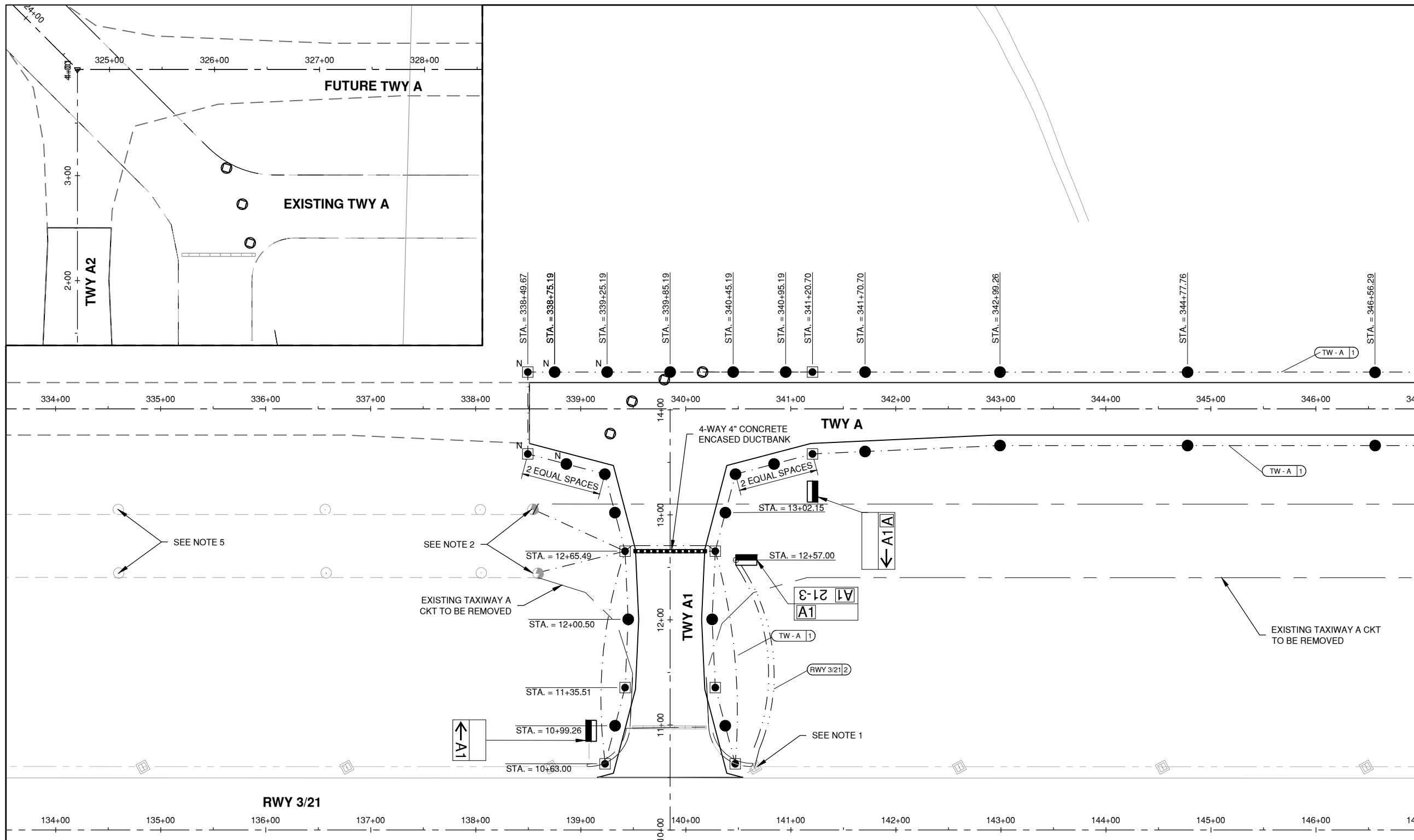
VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	CONTRACT: VE055
IL PROJ. NO. DNV-4742	
CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-EL100.DWG	
DESIGNED BY: AJG	
DRAWN BY: CMT	
CHECKED BY: MJD	
APPROVED BY: EMH	
COPYRIGHT:	

SHEET TITLE  
**ELECTRICAL LAYOUT  
PLAN 1**

SHEET **44** OF **70**  
EL101



MATCHLINE STA. 347+00

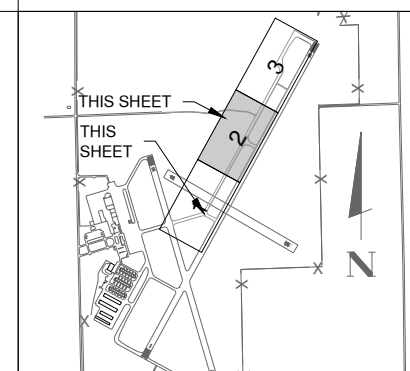
**LEGEND**

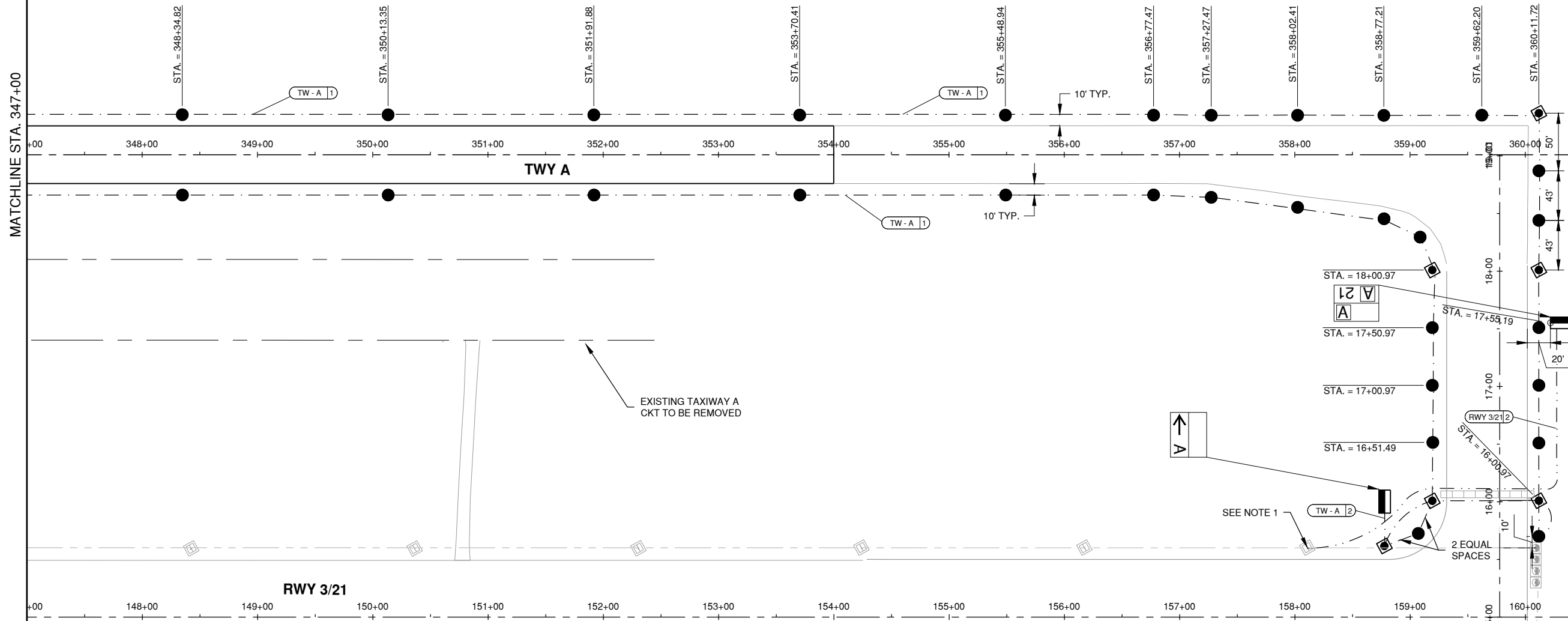
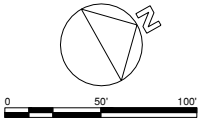
	EXISTING		NEW		NEW TAXIWAY A CABLE; #8 5KV IN UD
	TAXIWAY EDGE LIGHT - STAKE MOUNTED		NEW RUNWAY 3-21 CABLE; #8 5KV IN UD		EXISTING TAXIWAY A CABLE; #8 5KV IN UD TO REMAIN
	TAXIWAY EDGE LIGHT - BASE MOUNTED		EXISTING RUNWAY 3/21 CABLE; #8 5KV TO REMAIN		RETROREFLECTIVE MARKER
	DUCT BANK (4-WAY)		NON-ENERGIZED TAXIWAY LIGHTS TO BE INSTALLED PER NOTE 6		CIRCUIT NAME; # OF CABLES
	RETROREFLECTIVE MARKER				

**NOTES**

1. RECONNECT SIGN TO EXISTING RUNWAY CIRCUIT AT THIS LIGHT.
2. CONNECT NEW CIRCUIT TO EXISTING CIRCUIT AT EXISTING LIGHT CAN.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF EXISTING UTILITIES, ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL VERIFY EXISTING CIRCUIT ROUTING PRIOR TO MAKING ANY FIELD MODIFICATIONS.
4. PRIOR TO INSTALLATION OF NEW CONDUIT AND CABLE, THE CONTRACTOR SHALL VERIFY THE ROUTING OF THE EXISTING AND PROPOSED CIRCUIT TO ENSURE A CONTINUOUS LOOP WILL BE ACHIEVED, COSTS INCIDENTAL TO THE CONDUIT AND CABLE INSTALLATION.
5. REMOVE EXISTING TAXIWAY EDGE LIGHTS ALONG ABANDONED TAXIWAY SECTION. DISCONNECT EXISTING SIGNS FROM CIRCUIT AT SPLICE CAN.
6. PROVIDE NEW TAXIWAY LIGHTS (BASE & STAKE MTD) BUT DON'T CONNECT INTO CIRCUIT UNDER THIS PHASE/PROJECT. CONTRACTOR SHALL PROVIDE L-823 CONNECTORS AT EACH LOCATION AND 4' SLACK CABLE TO CONNECT THE TRANSFORMER AND LIGHT UNDER FUTURE PROJECT.
7. THE AIRPORT SHALL HAVE RIGHT OF FIRST REFUSAL ON ALL REMOVED ELECTRICAL EQUIPMENT.
8. INSTALL COUNTERPOISE AS DETAILED ON SHEET ES501.
9. LIGHTS SHALL BE NO MORE THAN 10', BUT NO LESS THAN 2' FROM THE PAVEMENT EDGE AND IN A STRAIGHT LINE FROM PC TO PT OR TAPER POINT.

**KEY PLAN**





FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

FED PROJ. NO. 3-17-SBGP-156/162/171/TBD	CONTRACT: VE055
IL PROJ. NO. DNV-4742	CMT PROJECT NO: 190042-02
CAD DWG FILE: DNV-4742-EL100.DWG	DESIGNED BY: AJG
CHECKED BY: MJD	DRAWN BY: CMT
APPROVED BY: EMH	COPYRIGHT:

SHEET TITLE  
**ELECTRICAL LAYOUT  
PLAN 2**

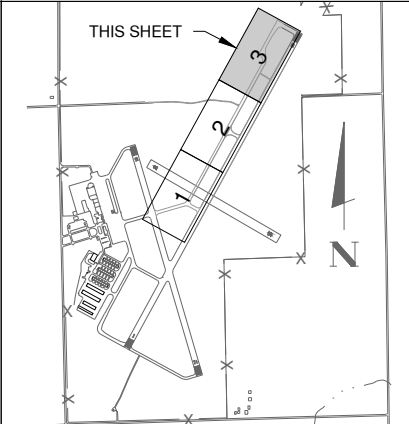
**LEGEND**

	<b>EXISTING</b>		<b>NEW</b>		NEW TAXIWAY A CABLE; #8 5KV IN UD
					NEW RUNWAY 3-21 CABLE; #8 5KV IN UD
					EXISTING TAXIWAY A CABLE; #8 5KV IN UD TO REMAIN
					EXISTING RUNWAY 3/21 CABLE; #8 5KV TO REMAIN
					CIRCUIT NAME; # OF CABLES

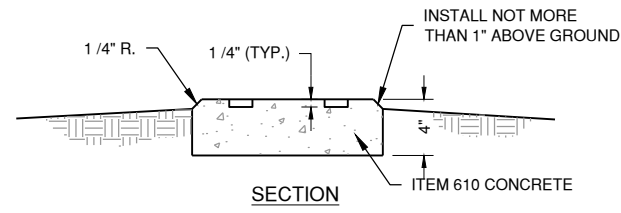
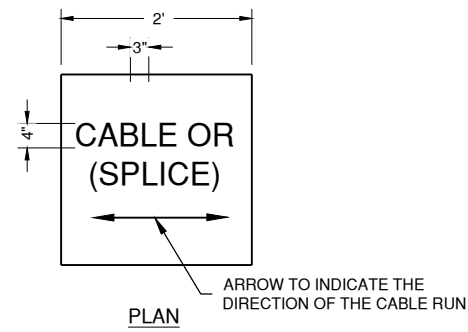
**NOTES**

1. RECONNECT SIGN TO EXISTING RUNWAY CIRCUIT AT THIS LIGHT.
2. CONNECT NEW CIRCUIT TO EXISTING CIRCUIT AT EXISTING LIGHT CAN.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL VERIFY EXISTING CIRCUIT ROUTING PRIOR TO MAKING ANY FIELD MODIFICATIONS.
4. PRIOR TO INSTALLATION OF NEW CONDUIT AND CABLE. THE CONTRACTOR SHALL VERIFY THE ROUTING OF THE EXISTING AND PROPOSED CIRCUIT TO ENSURE A CONTINUOUS LOOP WILL BE ACHIEVED, COSTS INCIDENTAL TO THE CONDUIT AND CABLE INSTALLATION.
5. REMOVE EXISTING TAXIWAY EDGE LIGHTS ALONG ABANDONED TAXIWAY SECTION. DISCONNECT EXISTING SIGNS FROM CIRCUIT AT SPLICE CAN.
6. PROVIDE NEW TAXIWAY LIGHTS (BASE & STAKE MTD) BUT DON'T CONNECT INTO CIRCUIT UNDER THIS PHASE/PROJECT. CONTRACTOR SHALL PROVIDE L-823 CONNECTORS AT EACH LOCATION AND 4' SLACK CABLE TO CONNECT THE TRANSFORMER AND LIGHT UNDER FUTURE PROJECT.
7. THE AIRPORT SHALL HAVE RIGHT OF FIRST REFUSAL ON ALL REMOVED ELECTRICAL EQUIPMENT.
8. INSTALL COUNTERPOISE AS DETAILED ON SHEET ES501
9. LIGHTS SHALL BE NO MORE THAN 10', BUT NO LESS THAN 2' FROM THE PAVEMENT EDGE AND IN A STRAIGHT LINE FROM PC TO PT OR TAPER POINT.

**KEY PLAN**



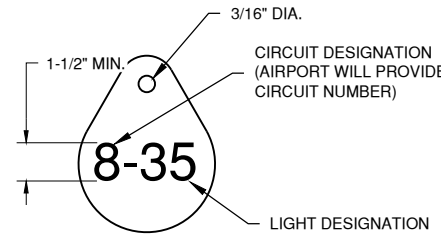
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Date: Monday, May 16, 2022 10:39:15 AM



**1 TURF CABLE / SPLICE MARKER**  
N.T.S.

**NOTES:**

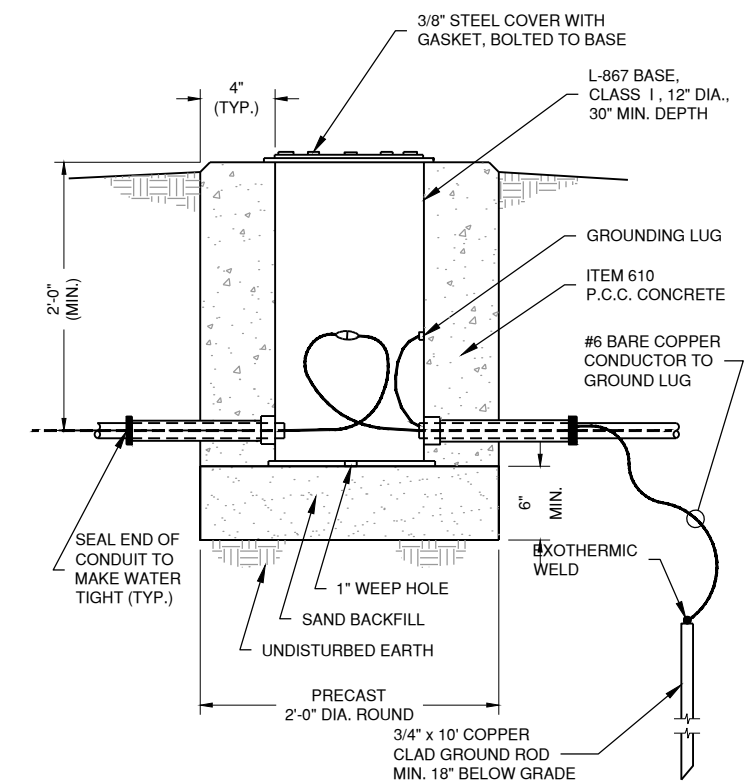
1. DUCT MARKERS SHALL BE INSTALLED AT BOTH EDGES OF PAVEMENT WHERE PROPOSED ELECTRICAL DUCTS CROSS BOTH NEW AND EXISTING PAVEMENTS.
2. CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE HOMERUN.
3. ITEM 610 CONCRETE SHALL BE USED.
4. ALL EXPOSED EDGES SHALL BE EDGED WITH A 1/4" RADIUS TOOL.
5. THE COST OF FURNISHING AND INSTALLING NEW MARKERS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS.
6. 0.049 CU. YD. CONCRETE PER MARKER.
7. A MARKER CONFORMING TO THIS DETAIL MARKED "SPLICE" SHALL BE INSTALLED AT ALL SPLICE LOCATIONS NOT IN LIGHT CANS OR MANHOLES.



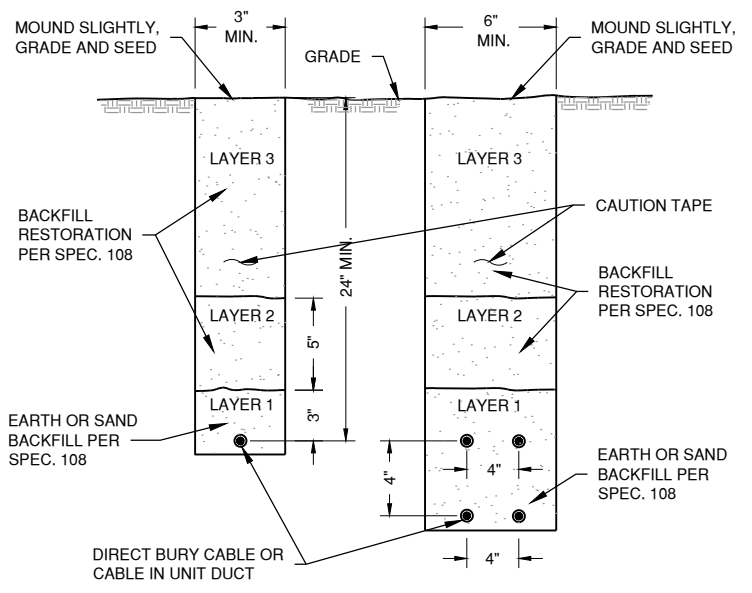
**2 LIGHT IDENTIFICATION TAG**  
N.T.S.

**NOTES:**

1. INSTALL A NON-CORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH SET SCREW.
2. LEGENDS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO COORDINATE LEGEND WITH AIRPORT.
3. THE CONTRACTOR SHALL NUMBER THE EXISTING/ PROPOSED LIGHTS AND SIGNS IN EACH CIRCUIT STARTING AT THE HOMERUN CONTINUING AROUND THE ENTIRE CIRCUIT BACK TO THE HOMERUN.
4. AIRFIELD SIGNS SHALL BE TAGGED & NUMBERED.



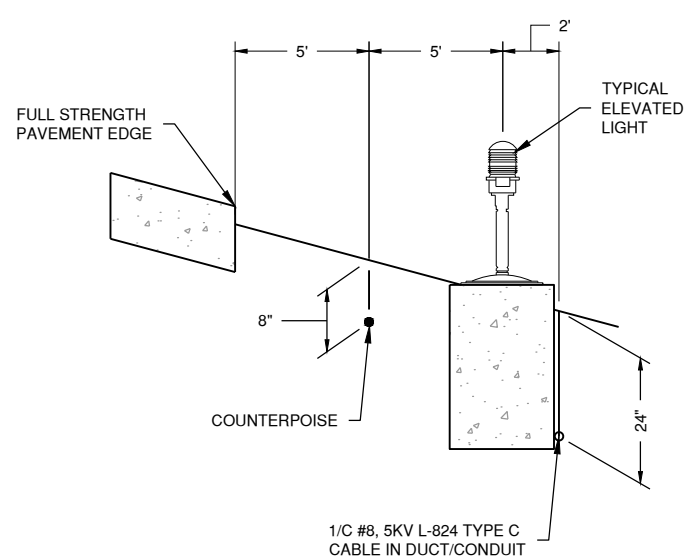
**3 SPLICE CAN**  
N.T.S.



**NOTES:**

1. CABLES SHALL NOT BE PLACED LESS THAN 24" DEEP IN ANY ONE TRENCH UNLESS PERMITTED BY ENGINEER.
2. WHERE PERMITTED, CONTRACTOR MAY INSTALL CABLE IN UNIT DUCT BY PLOWING METHOD.

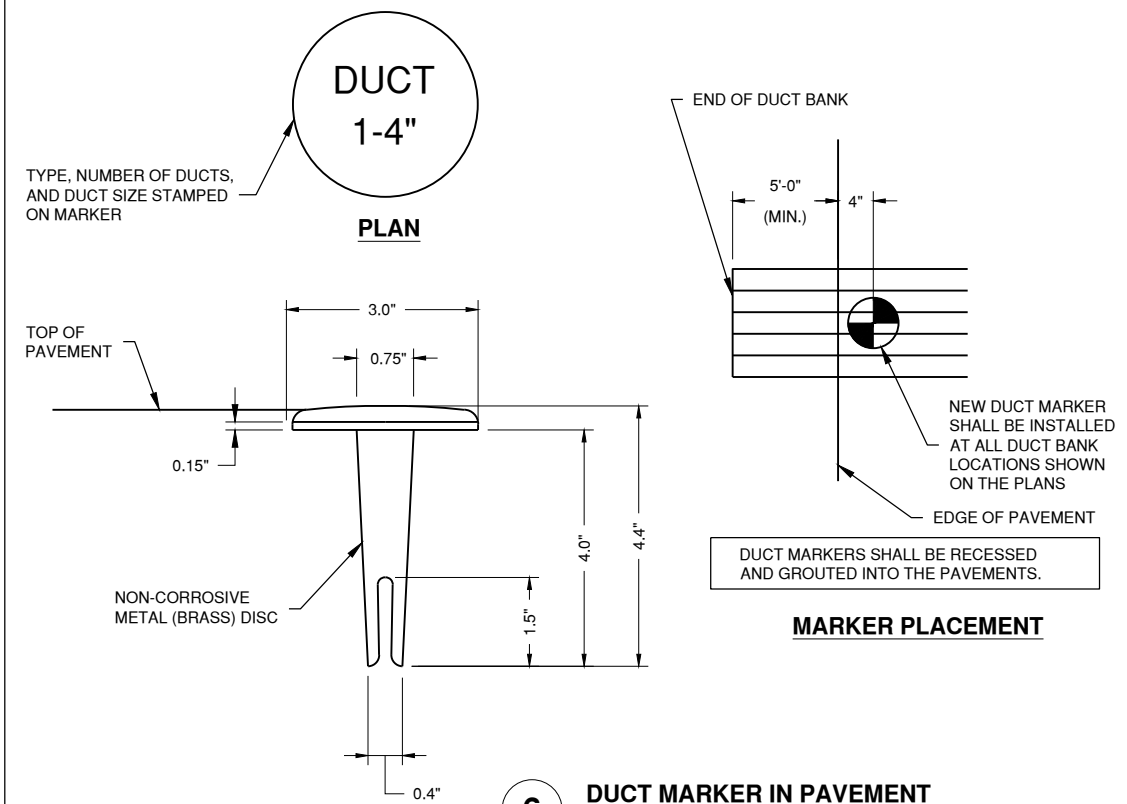
**4 CABLE TRENCH**  
N.T.S.



**NOTES:**

- #6 BARE COUNTERPOISE WITH 3/4" x 10" GROUND ROD INSTALLED AT MAX. 500' SPACING. ALSO USE GROUND ROD TO TERMINATE THE COUNTERPOISE AT BOTH ENDS OF DUCT. GROUND RODS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.

**5 COUNTERPOISE LOCATION**  
N.T.S.



**6 DUCT MARKER IN PAVEMENT**  
N.T.S.



License No. 184-000613  
CONSULTANTS

FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION
FED PROJ. NO.	3-17-SBGP-156/162/171/TBD	
IL PROJ. NO.	DNV-4742	CONTRACT: VE055
CMT PROJECT NO.	190042-02	
CAD DWG FILE:	DNV-4742-ES500.DWG	
DESIGNED BY:	AJG	
DRAWN BY:	CMT	
CHECKED BY:	MJD	
APPROVED BY:	EMH	
COPYRIGHT:		

SHEET TITLE  
**ELECTRICAL DETAILS**  
1

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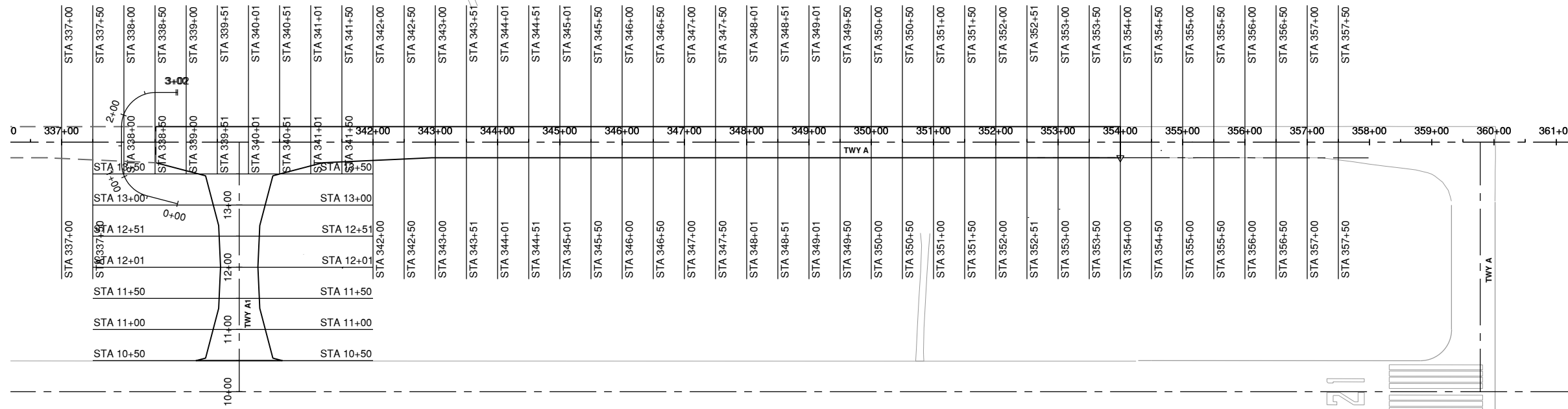
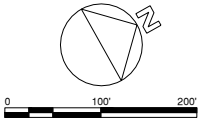












FOR BID  
APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

OWNER



VERMILION REGIONAL  
AIRPORT

VERMILION REGIONAL  
AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

TAXIWAY A - EARTHWORK VOLUME							
STATION	CUT AREA (S.F.)	FILL AREA (S.F.)	CUT VOL. (C.Y.)	CUM. CUT VOL. (C.Y.)	FILL VOL. (C.Y.)	CUM. FILL VOL. (C.Y.)	CUM. TOTAL VOL. (C.Y.)
337+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
337+50	62.1	0.0	57.5	57.5	0.0	0.0	57.5
338+00	162.8	24.9	208.2	265.7	23.1	23.1	242.7
338+50	126.1	129.6	267.5	533.2	143.1	166.1	367.1
339+00	134.8	56.6	241.6	774.8	172.4	338.5	436.3
339+50	103.0	71.8	220.2	995.0	118.9	457.4	537.6
340+00	68.4	83.0	158.7	1153.7	143.3	600.7	553.0
340+50	43.4	72.7	103.5	1257.2	144.2	744.9	512.3
341+00	5.3	113.1	45.1	1302.3	172.0	916.9	385.4
341+50	4.1	117.3	8.7	1311.0	213.3	1130.3	180.7
342+00	110.6	76.4	106.2	1417.2	179.4	1309.6	107.6
342+50	170.0	67.9	259.8	1677.0	133.6	1443.2	233.8
343+00	173.9	96.8	318.4	1995.5	152.5	1595.7	399.7
343+50	150.0	123.6	299.9	2295.4	204.1	1799.8	495.6
344+00	146.9	164.2	274.9	2570.3	266.5	2066.3	504.0
344+50	143.9	69.3	269.3	2839.5	216.2	2282.5	557.0
345+00	134.1	149.0	257.4	3096.9	202.1	2484.6	612.3
345+50	136.0	188.3	250.1	3347.0	312.3	2796.9	550.1
346+00	136.9	177.4	252.7	3599.7	338.6	3135.6	464.2
346+50	125.8	150.6	243.2	3843.0	303.7	3439.3	403.7
347+00	124.5	126.8	231.8	4074.7	256.9	3696.1	378.6
347+50	154.6	132.8	258.4	4333.1	240.4	3936.5	396.7
348+00	166.7	124.8	297.5	4630.6	238.5	4175.0	455.6
348+50	145.9	126.0	289.4	4920.1	232.2	4407.2	512.9
349+00	163.9	117.1	286.9	5206.9	225.1	4632.3	574.6
349+50	164.2	108.6	303.8	5510.7	209.0	4841.3	669.4
350+00	152.4	134.6	293.1	5803.9	225.2	5066.5	737.4
350+50	167.1	191.6	295.8	6099.7	302.0	5368.5	731.2
351+00	177.8	250.9	319.4	6419.1	409.7	5778.2	640.8
351+50	192.6	274.8	343.0	6762.0	486.8	6265.0	497.0
352+00	213.8	277.3	376.3	7138.3	511.2	6776.2	362.1
352+50	222.9	233.3	404.4	7542.7	472.8	7249.0	293.7
353+00	230.1	49.6	419.4	7962.1	261.9	7510.9	451.2
353+50	244.4	27.1	439.4	8401.5	71.0	7581.9	819.5
354+00	275.0	27.1	480.9	8882.4	50.2	7632.1	1250.3
354+50	292.2	29.7	525.2	9407.6	52.6	7684.7	1722.9
355+00	273.1	3.3	523.4	9931.0	30.6	7715.3	2215.7
355+50	231.3	1.5	467.0	10398.1	4.4	7719.7	2678.3
356+00	169.4	33.5	371.0	10769.1	32.4	7752.1	3016.9
356+50	189.2	34.2	332.0	11101.1	62.7	7814.8	3286.3
357+00	208.1	16.4	367.9	11469.0	46.9	7861.7	3607.3

TAXIWAY A1 - EARTHWORK VOLUME							
STATION	CUT AREA (S.F.)	FILL AREA (S.F.)	CUT VOL. (C.Y.)	CUM. CUT VOL. (C.Y.)	FILL VOL. (C.Y.)	CUM. FILL VOL. (C.Y.)	CUM. TOTAL VOL. (C.Y.)
10+50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11+00	65.1	4.2	60.3	60.3	3.9	3.9	56.4
11+50	54.0	2.6	110.3	170.6	6.3	10.2	160.4
12+00	38.9	6.8	86.0	256.6	8.7	18.9	237.7
12+50	219.6	9.4	239.4	495.9	15.0	33.9	462.0
13+00	44.3	44.8	244.4	740.3	50.2	84.1	656.2
13+50	0.0	377.2	41.0	781.3	390.7	474.8	306.5

MARK | DATE | DESCRIPTION

FED PROJ. NO.  
3-17-SBGP-156/162/171/TBD

IL PROJ. NO. DNV-4742 CONTRACT: VE055

CMT PROJECT NO: 190042-02

CAD DWG FILE: DNV-4742-CG101.DWG

DESIGNED BY: AJG

DRAWN BY: CMT

CHECKED BY: MJD

APPROVED BY: EMH

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SHEET TITLE  
**CROSS SECTIONS  
INDEX**



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APRIL 22, 2022

REALIGN TAXIWAY A - PHASE 1

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AIRPORT

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AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

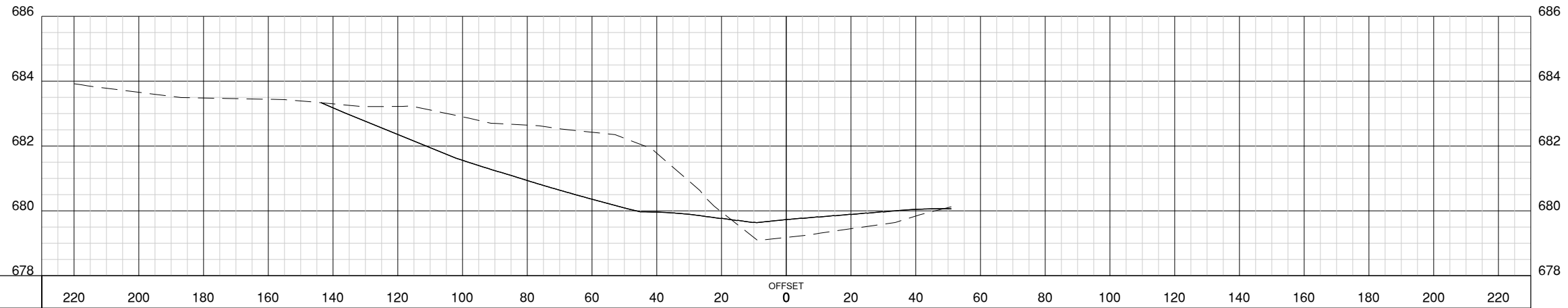
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CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CG300.DWG	
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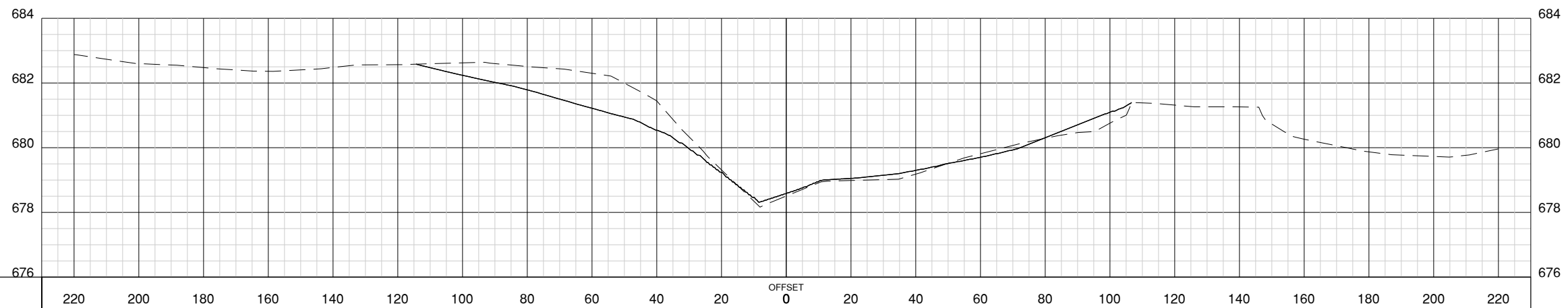
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A CROSS SECTIONS 1**

SHEET **52** OF **70**  
CG301

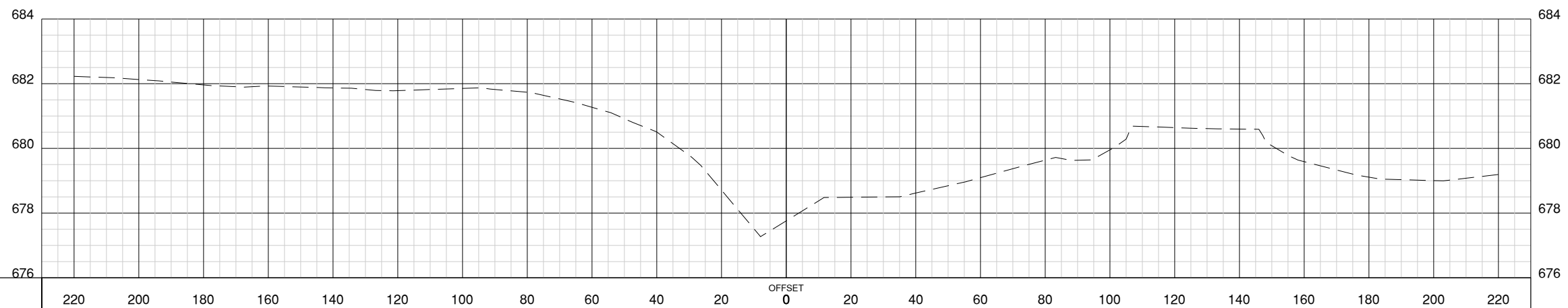
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337+50



337+00



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AIRPORT AUTHORITY  
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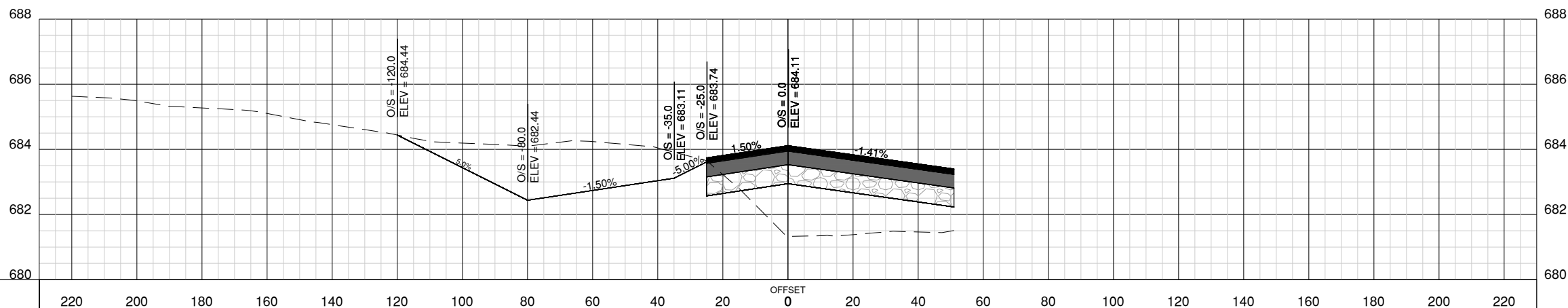
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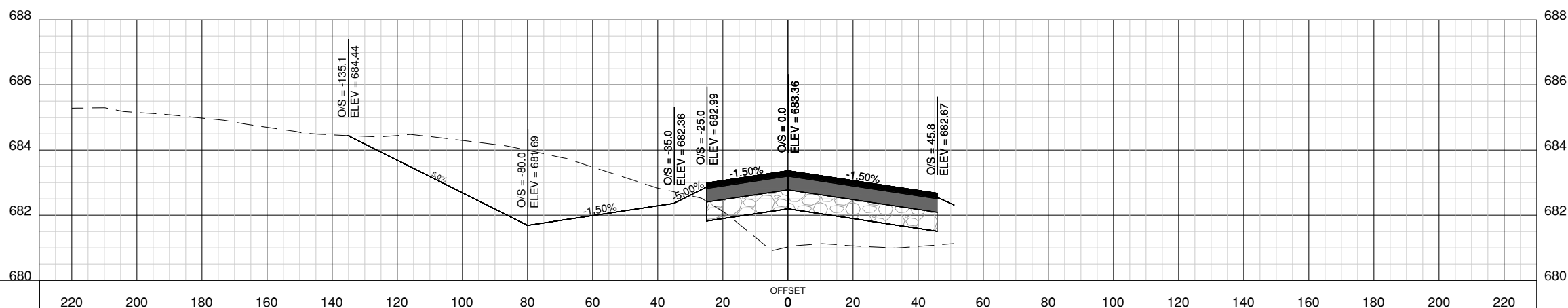
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A CROSS SECTIONS 2**

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CG302

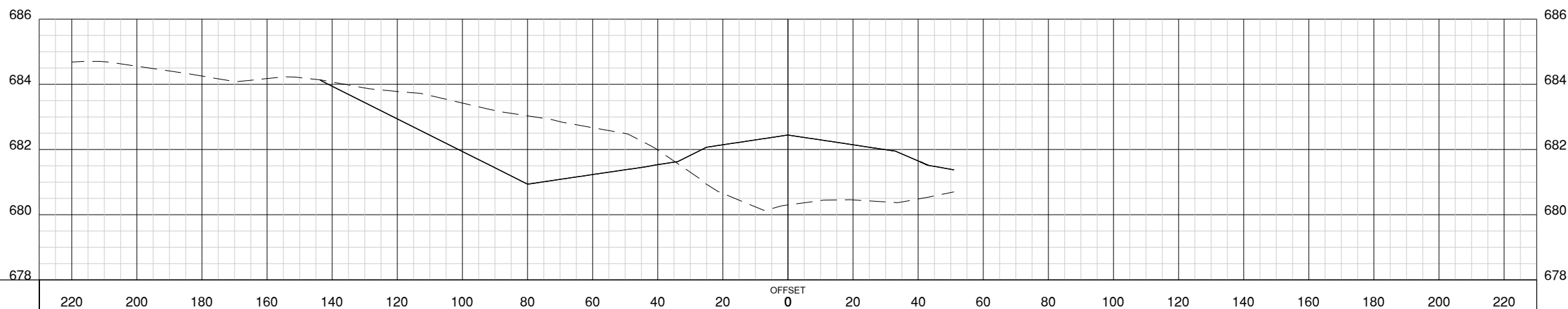
339+50



339+00



338+50





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AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

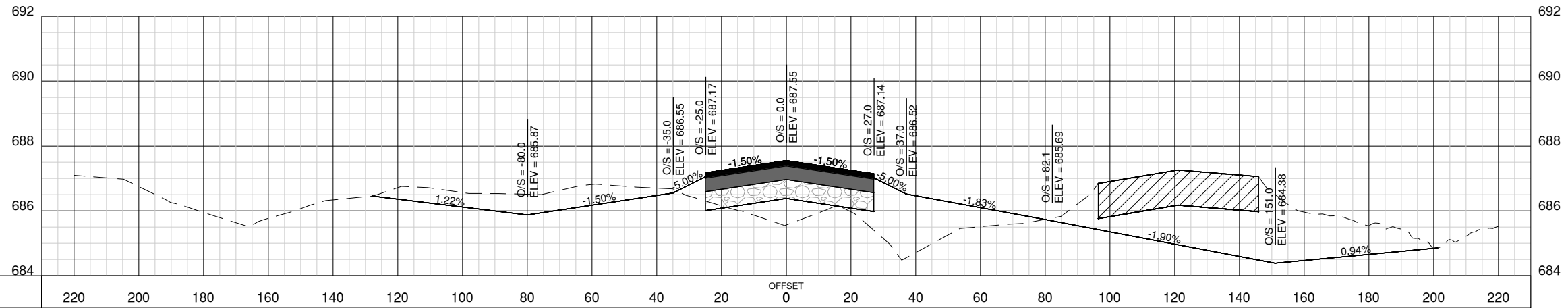
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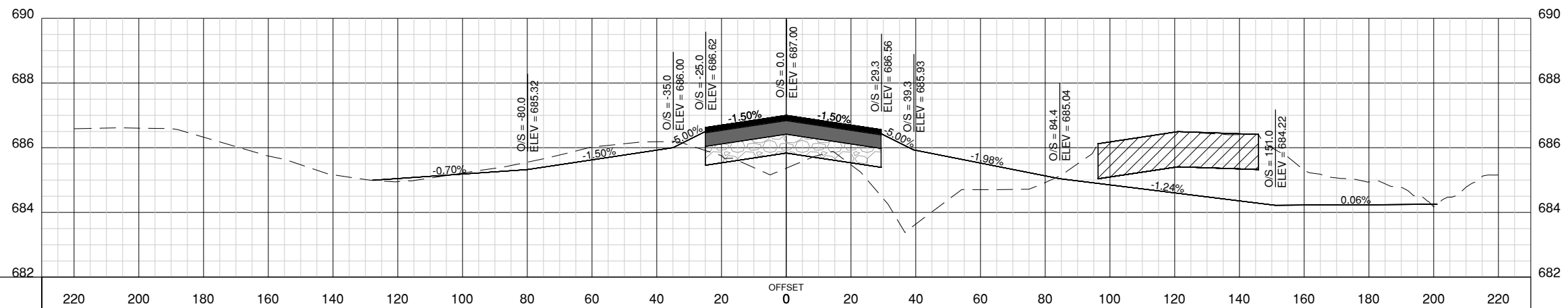
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A CROSS SECTIONS 4**

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CG304

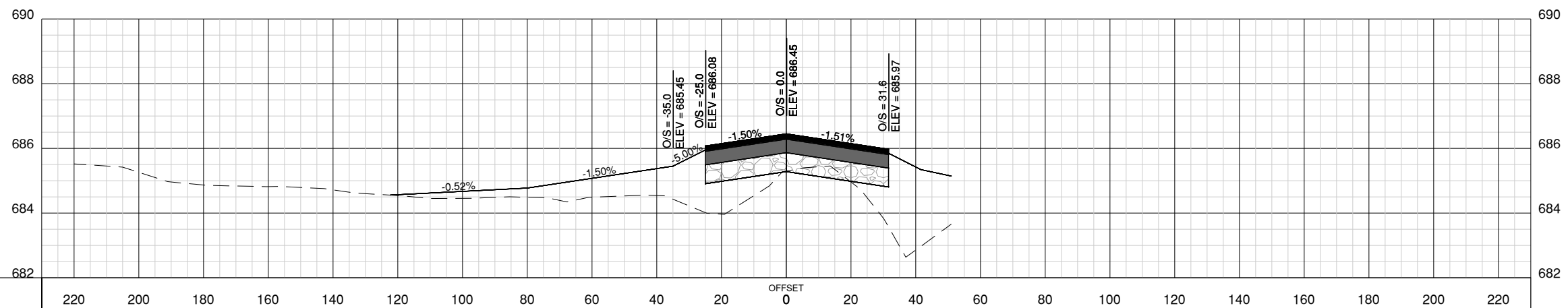
342+50



342+00



341+50









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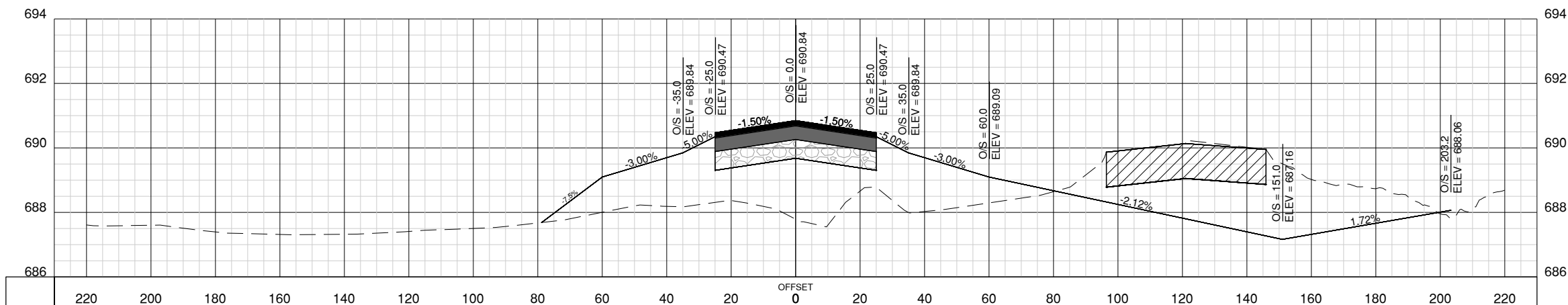
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CMT PROJECT NO:	190042-02	
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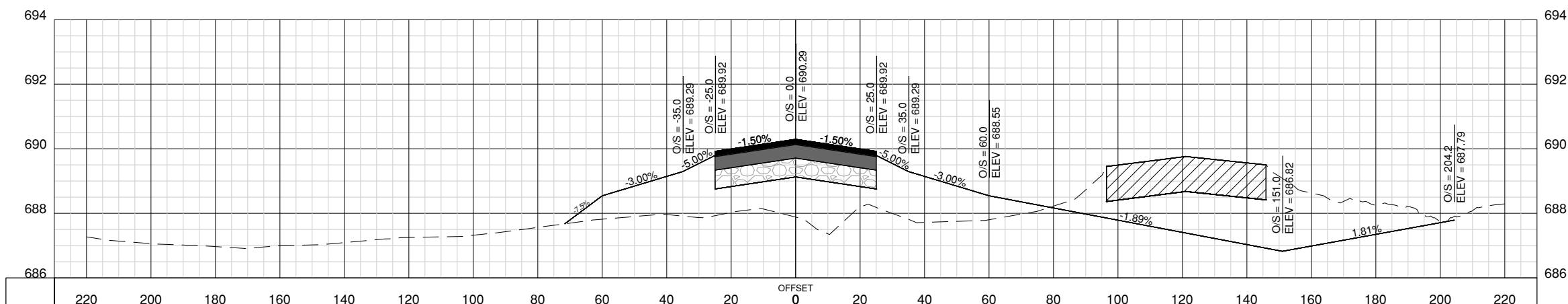
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OF **70**

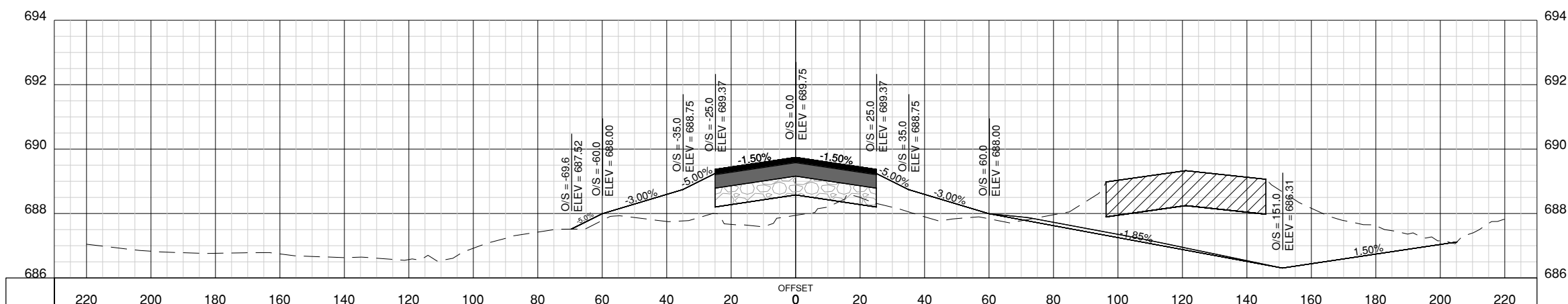
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345+00



344+50



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AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

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3-17-SBGP-156/162/171/TBD

IL PROJ. NO. DNV-4742 CONTRACT: VE055

CMT PROJECT NO: 190042-02

CAD DWG FILE: DNV-4742-CG300.DWG

DESIGNED BY: AJG

DRAWN BY: CMT

CHECKED BY: MJD

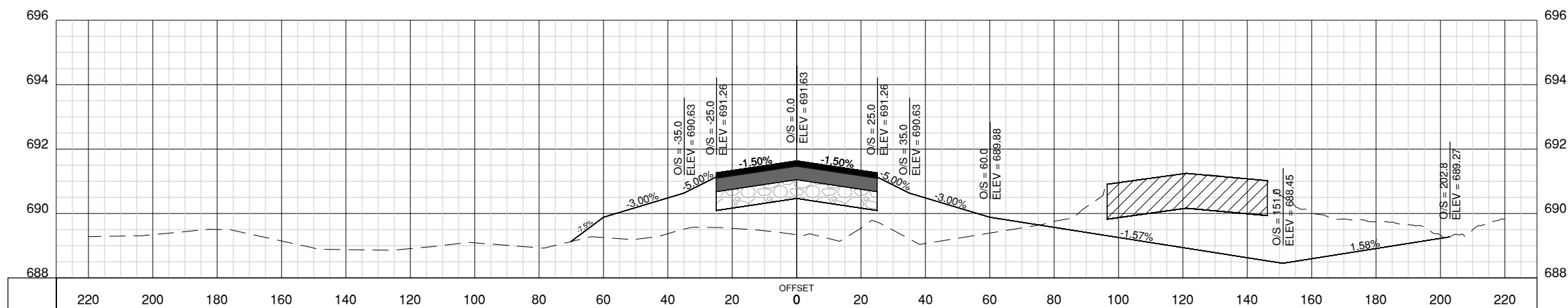
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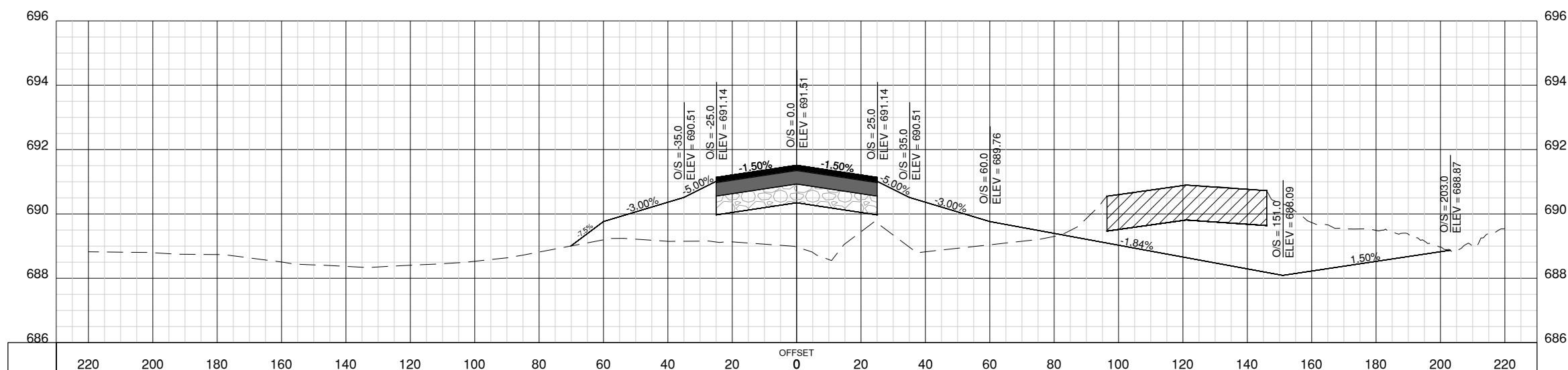
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SHEET 58 OF 70

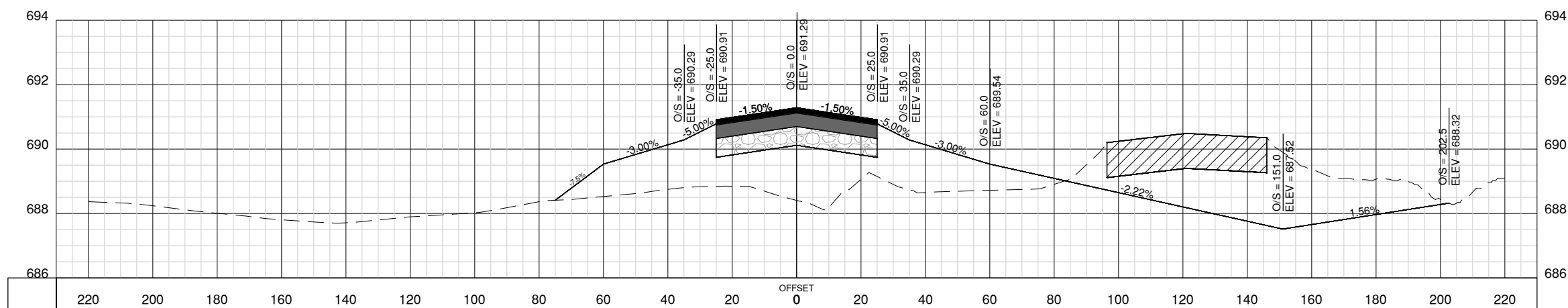
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346+00



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REALIGN TAXIWAY A - PHASE 1

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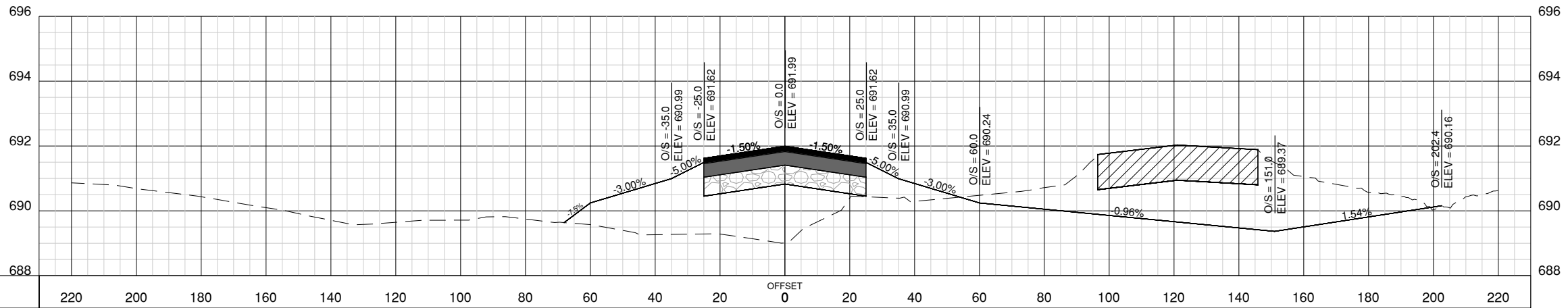
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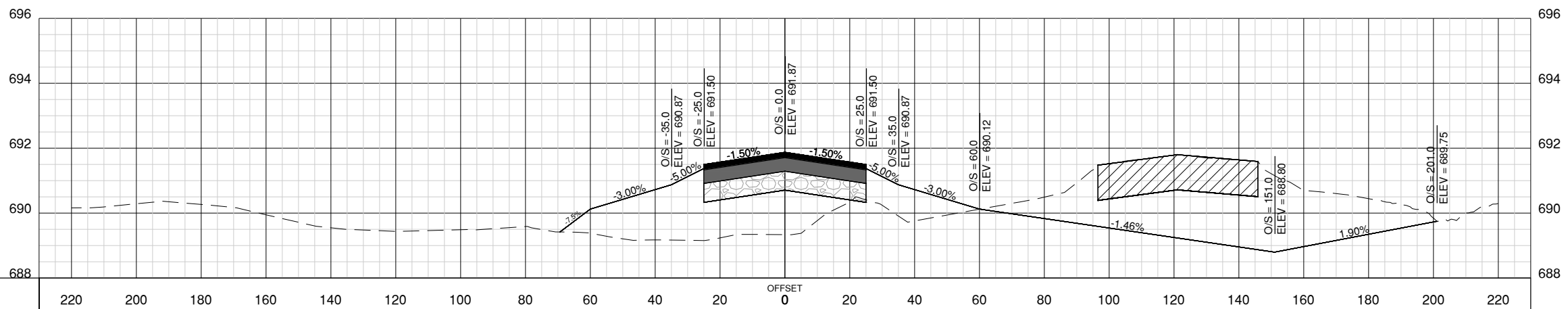
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CMT PROJECT NO: 190042-02		
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DRAWN BY: CMT		
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SHEET TITLE  
**PROPOSED TAXIWAY  
A CROSS SECTIONS 8**

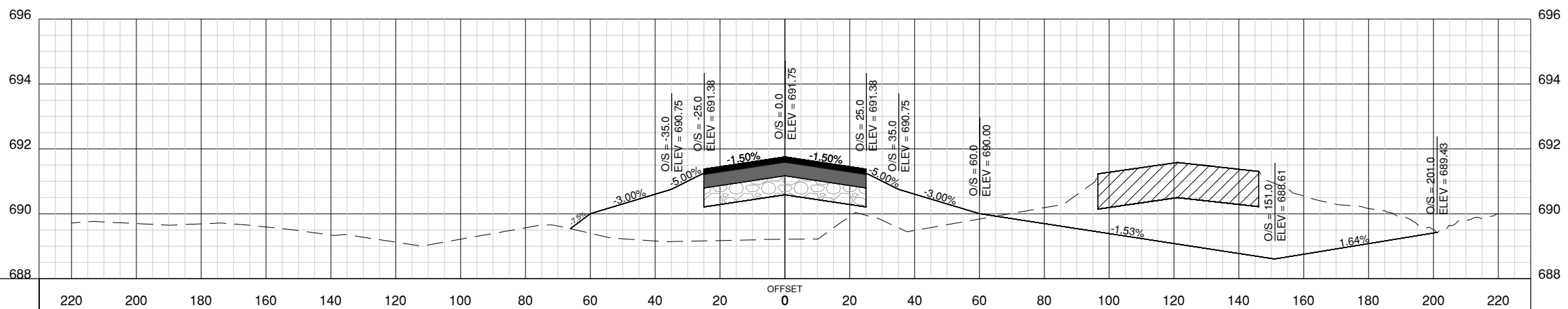
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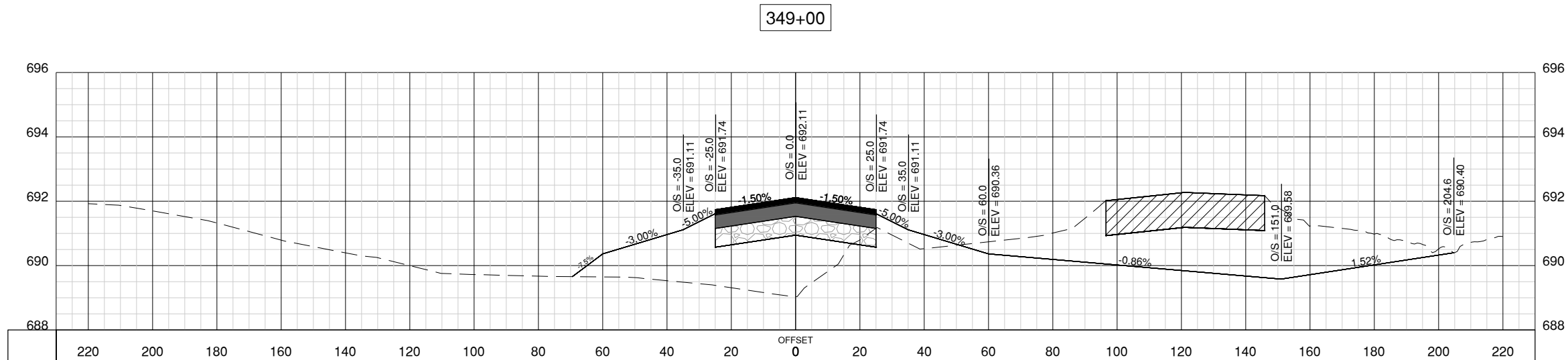
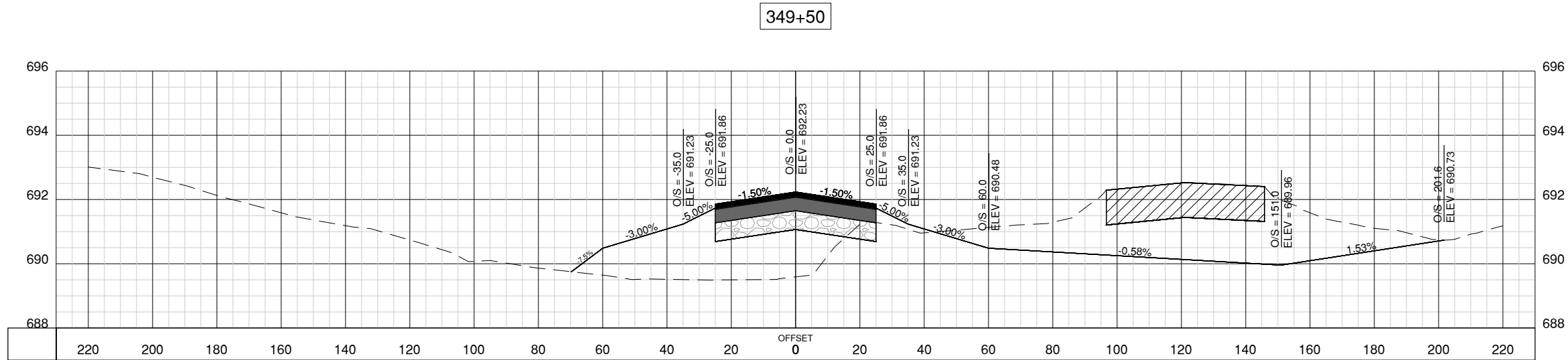
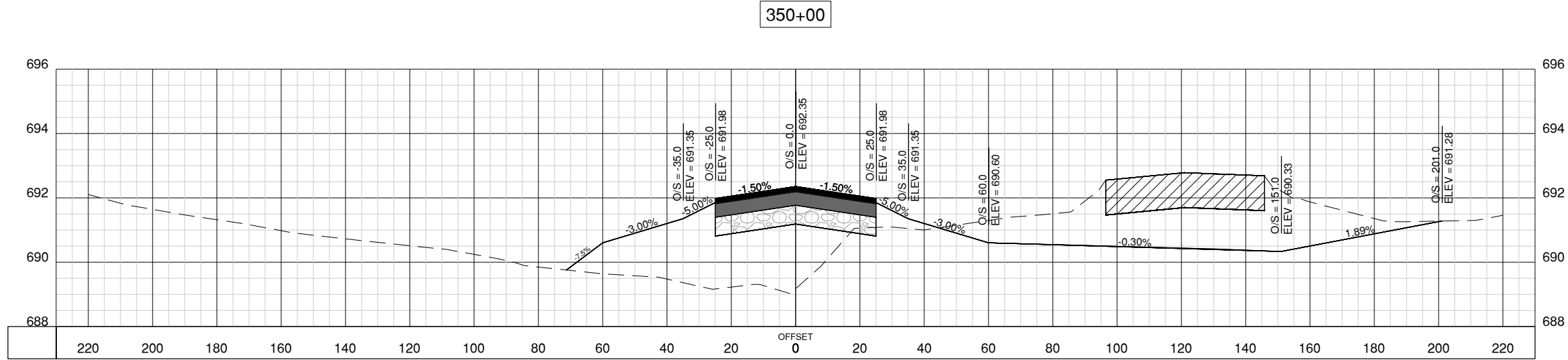


348+00



347+50





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CMT PROJECT NO: 190042-02		
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DRAWN BY: CMT		
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SHEET TITLE  
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A CROSS SECTIONS 9**

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REALIGN TAXIWAY A - PHASE 1

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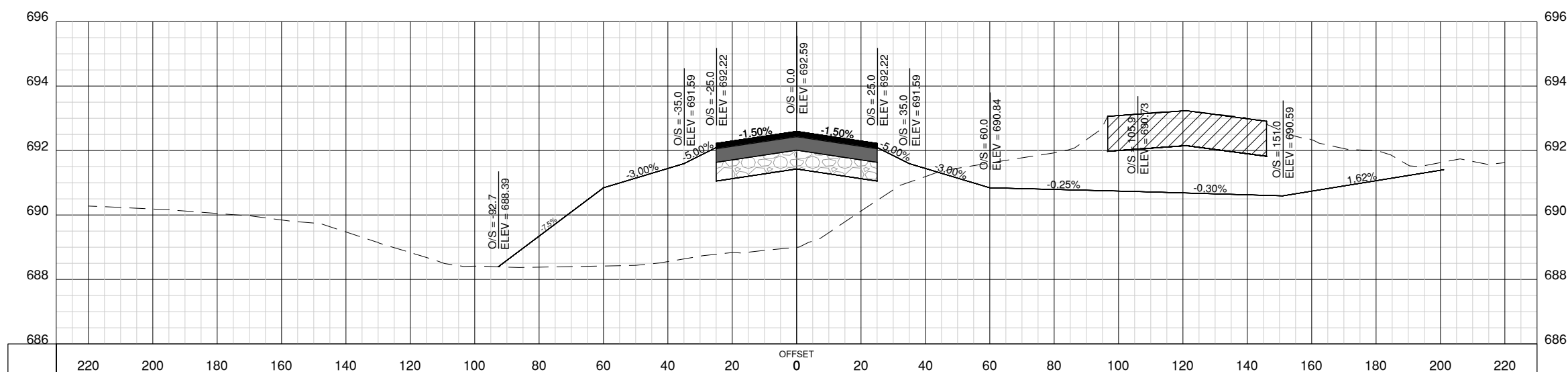


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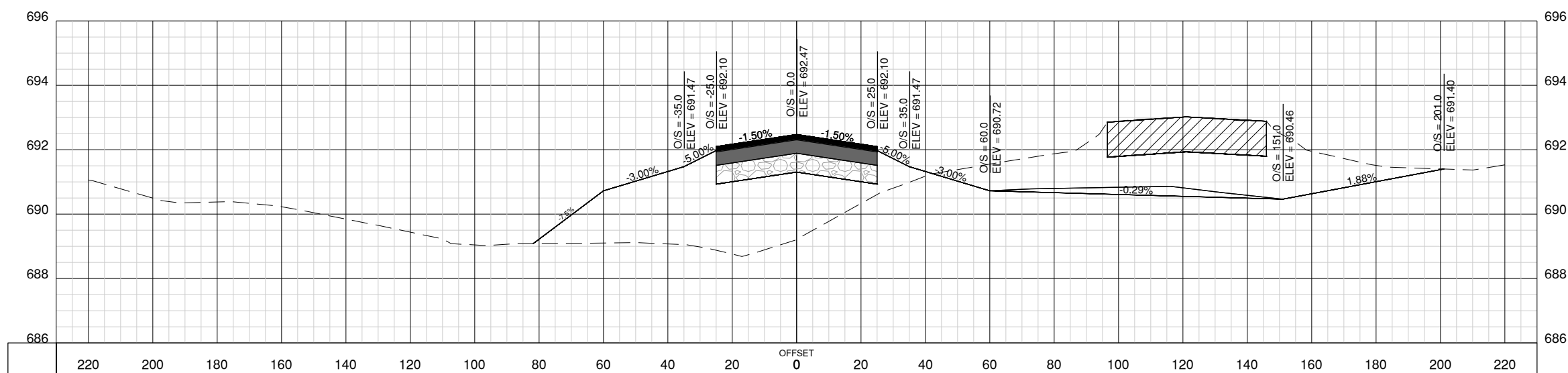
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DRAWN BY:	CMT	
CHECKED BY:	MJD	
APPROVED BY:	EMH	
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SHEET TITLE  
**PROPOSED TAXIWAY  
A CROSS SECTIONS  
10**

**351+00**



**350+50**



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REALIGN TAXIWAY A - PHASE 1

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AIRPORT

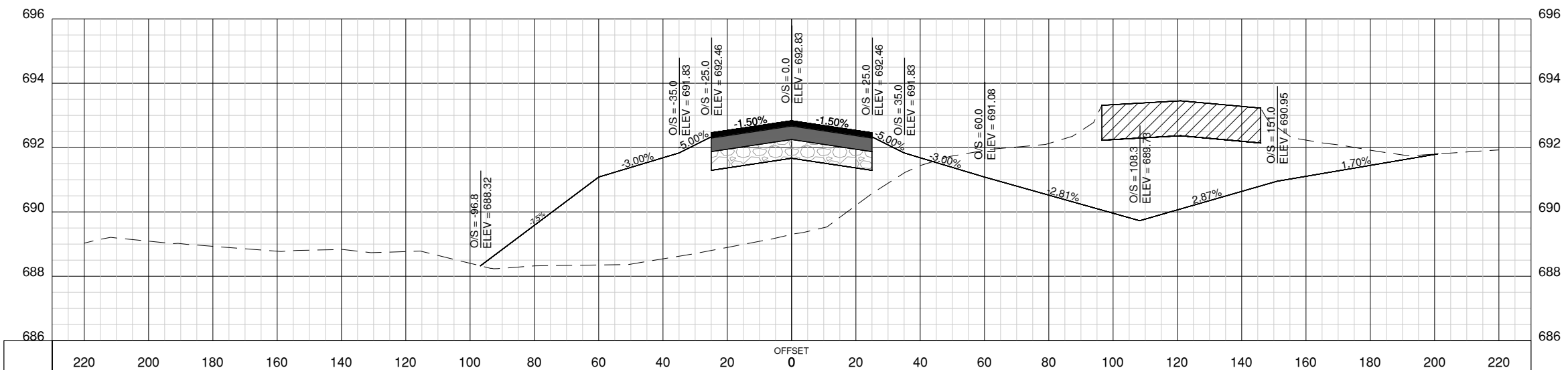
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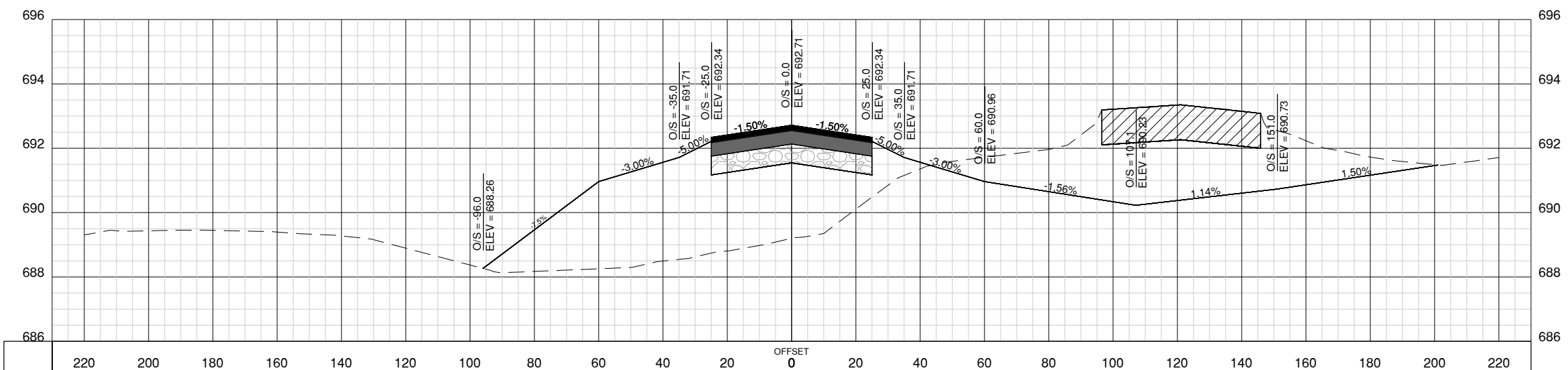
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A CROSS SECTIONS  
11**

SHEET **62** OF **70**  
CG311

352+00



351+50



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REALIGN TAXIWAY A - PHASE 1

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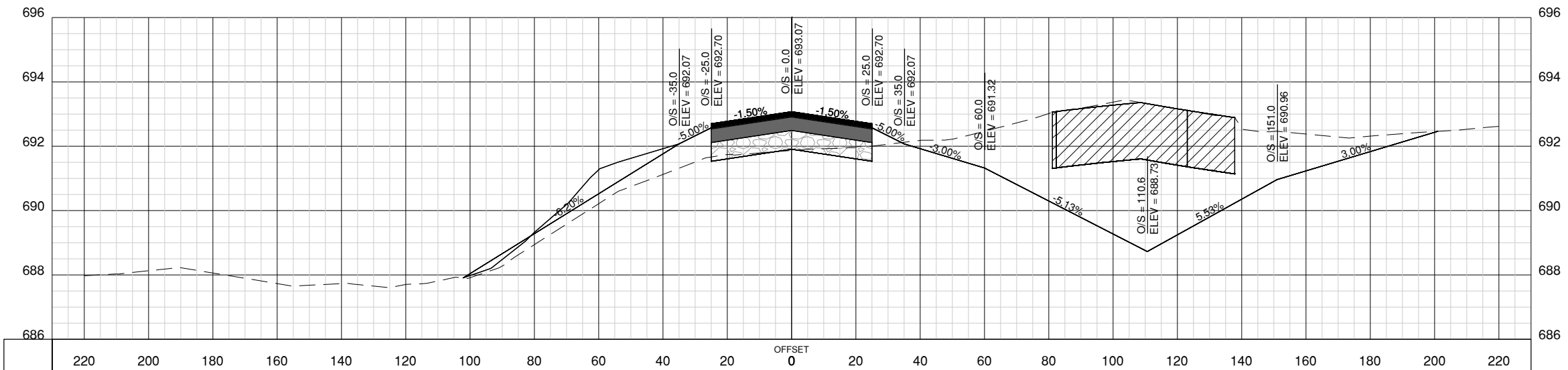
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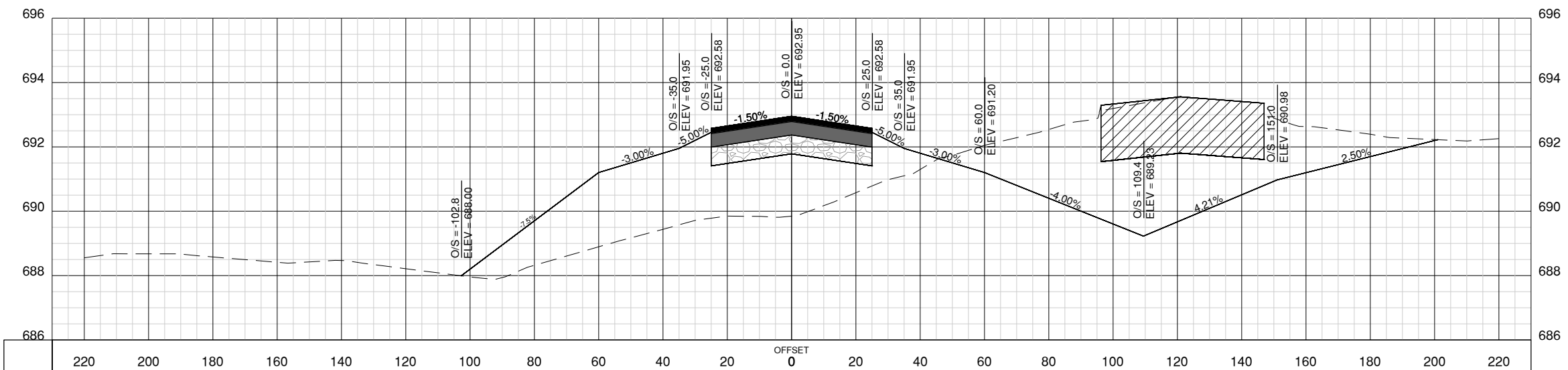
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CG312

353+00



352+50



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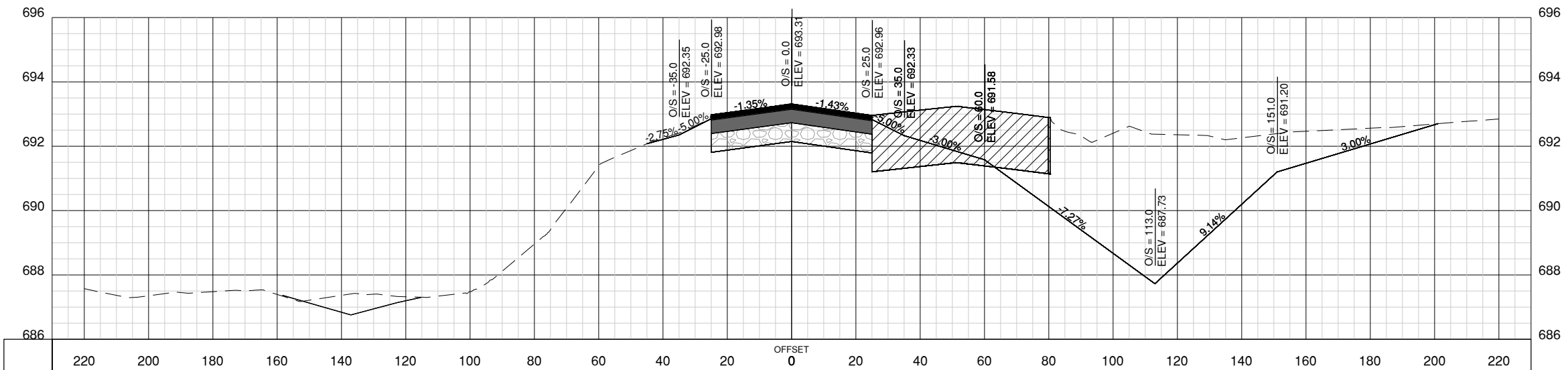
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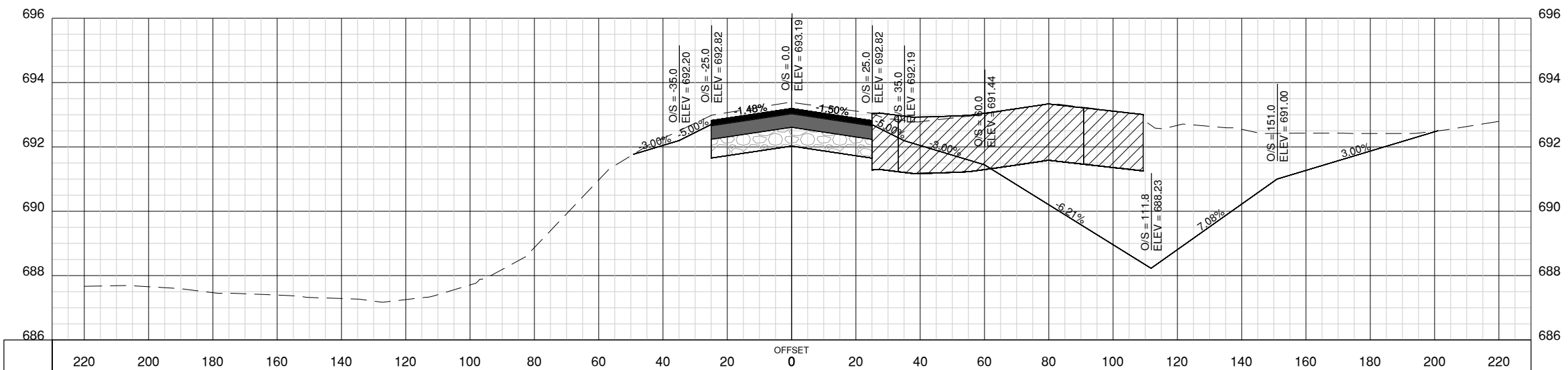
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SHEET **64** **CG313** OF **70**

354+00



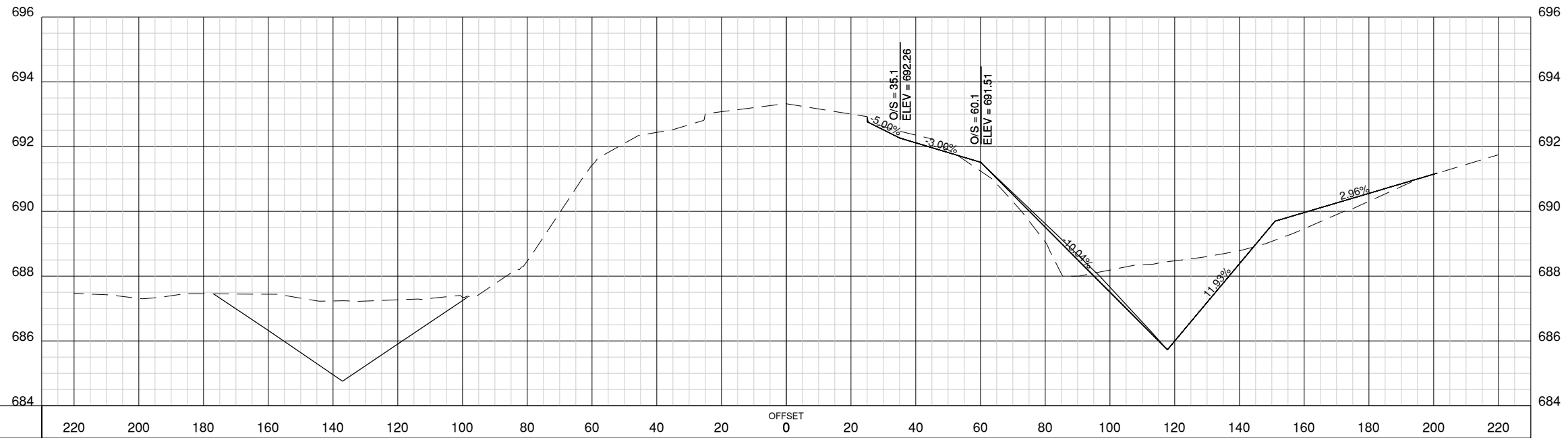
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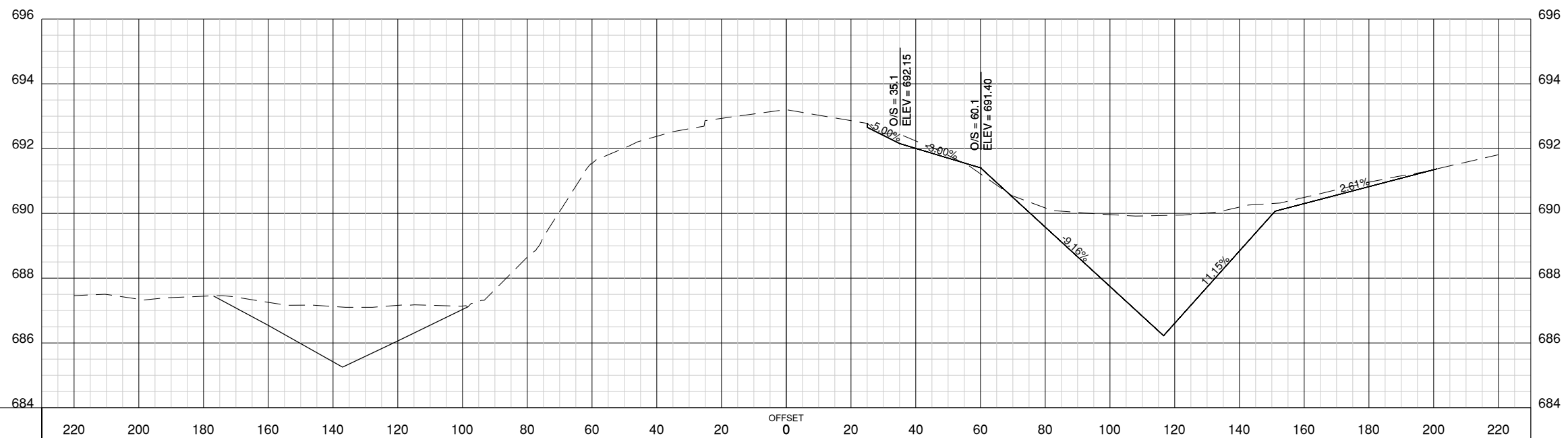




356+00



355+50



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SHEET TITLE  
**PROPOSED TAXIWAY  
A CROSS SECTIONS  
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SHEET **66** OF **70**  
CG315

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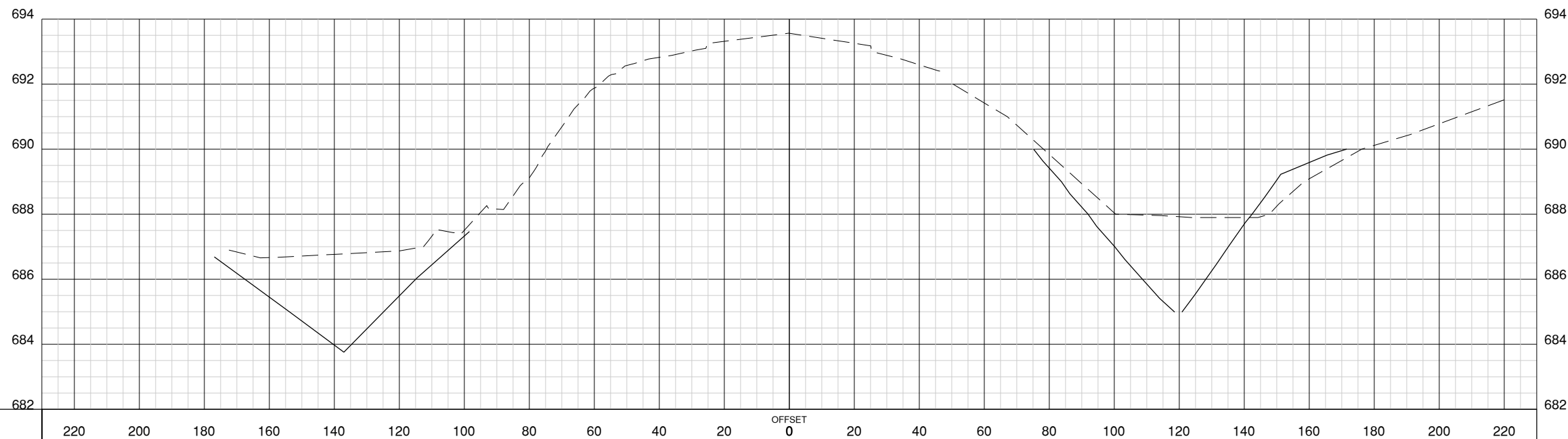
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CMT PROJECT NO: 190042-02		
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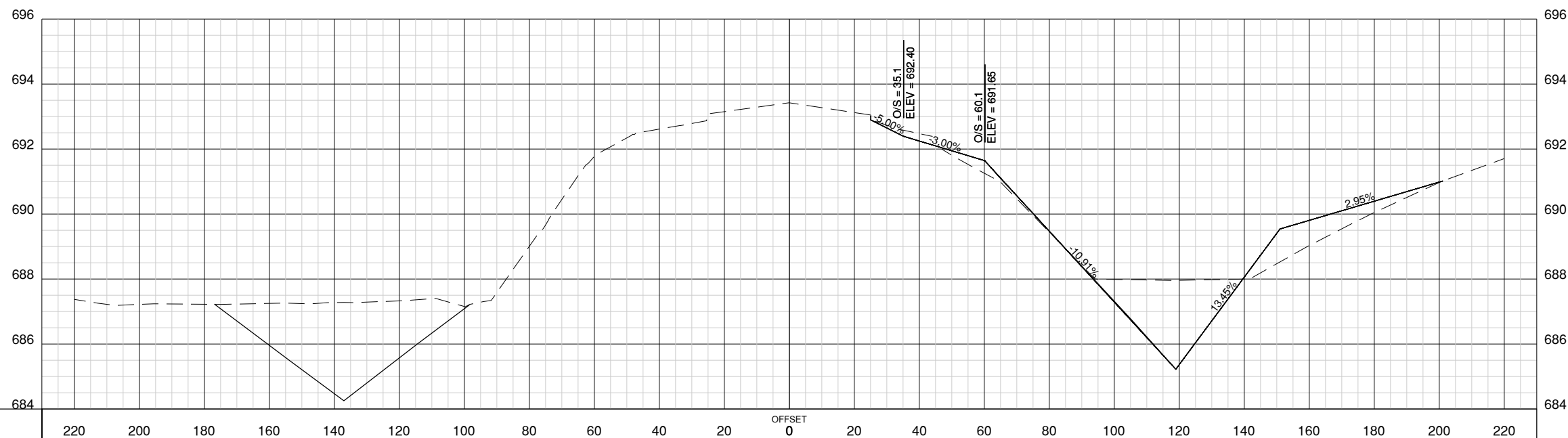
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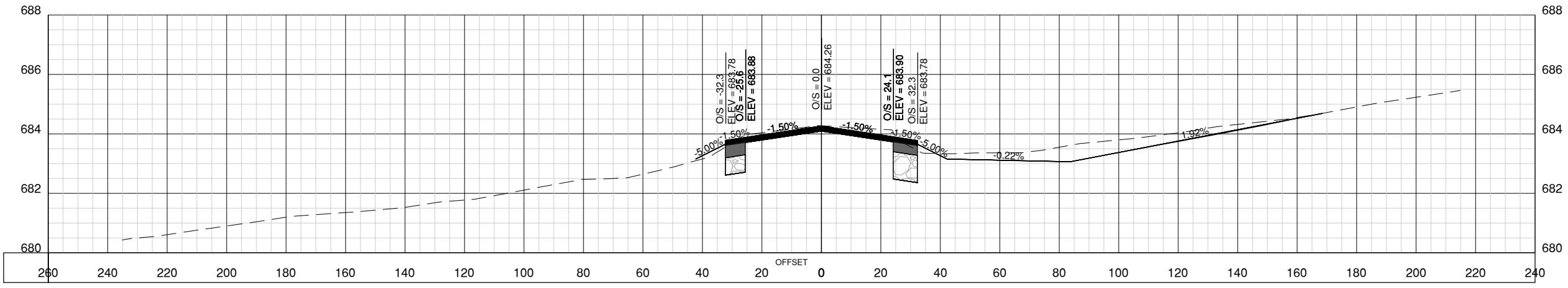
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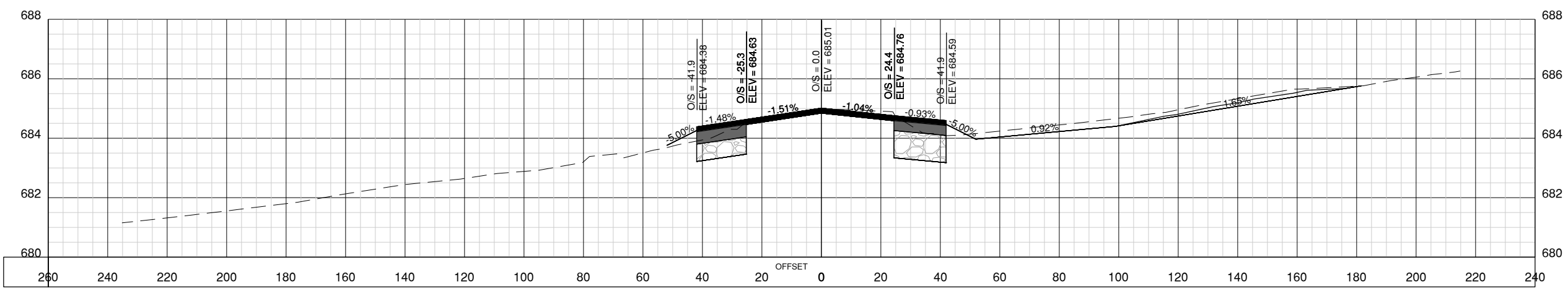
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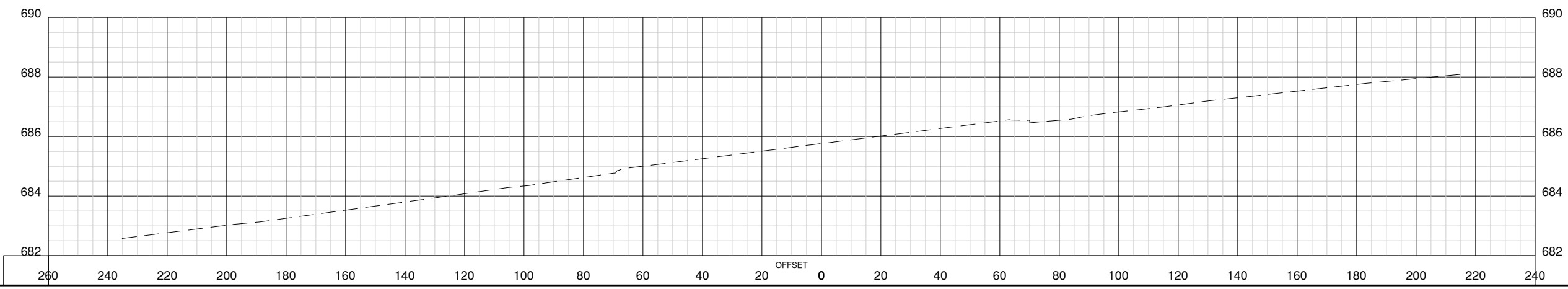
11+50



11+00



10+50



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AIRPORT AUTHORITY  
DANVILLE, ILLINOIS

MARK	DATE	DESCRIPTION

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CMT PROJECT NO: 190042-02	
CAD DWG FILE: DNV-4742-CG300.DWG	
DESIGNED BY: AJG	
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SHEET TITLE  
**PROPOSED TAXIWAY  
A1 CROSS SECTIONS  
1**

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APRIL 22, 2022

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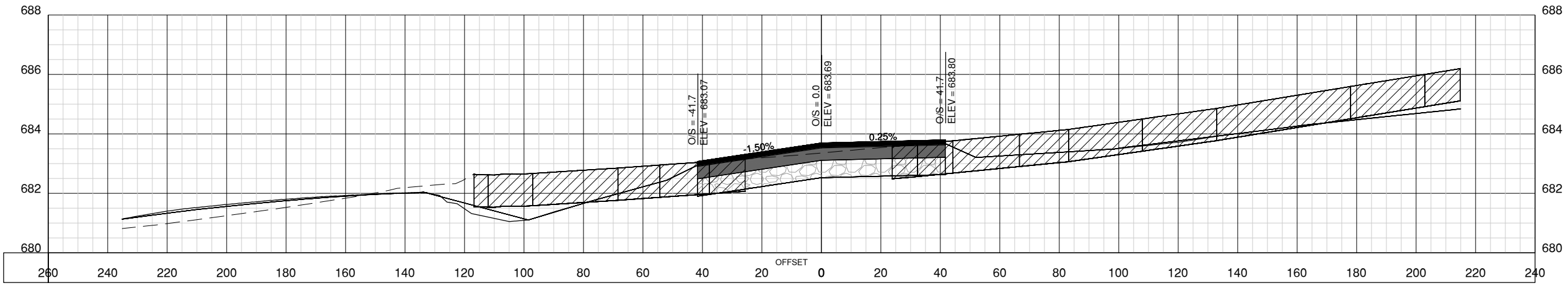
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DANVILLE, ILLINOIS

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CMT PROJECT NO.	190042-02	
CAD DWG FILE:	DNV-4742-CG300.DWG	
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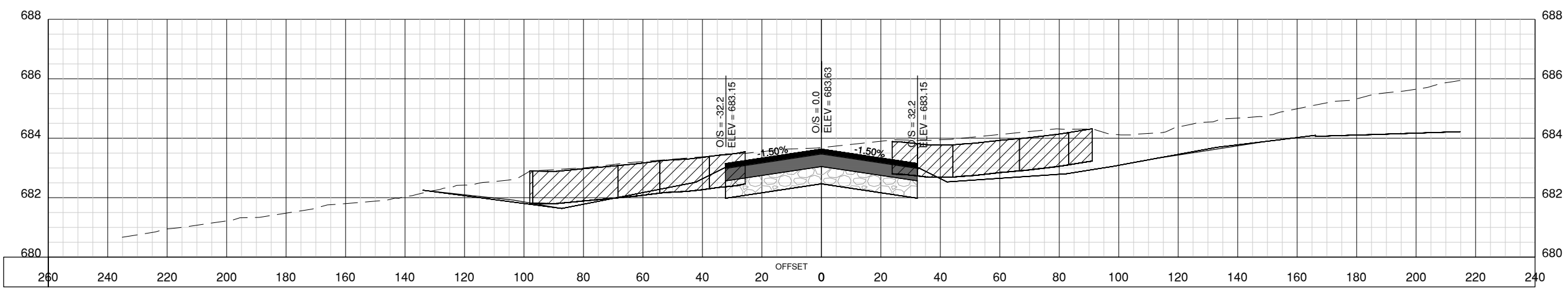
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SHEET 69 **CG315** OF 70

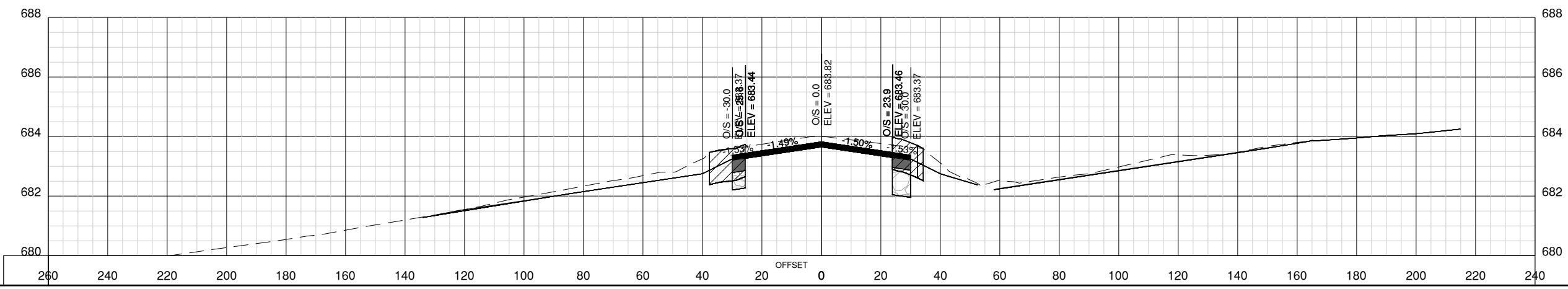
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APRIL 22, 2022

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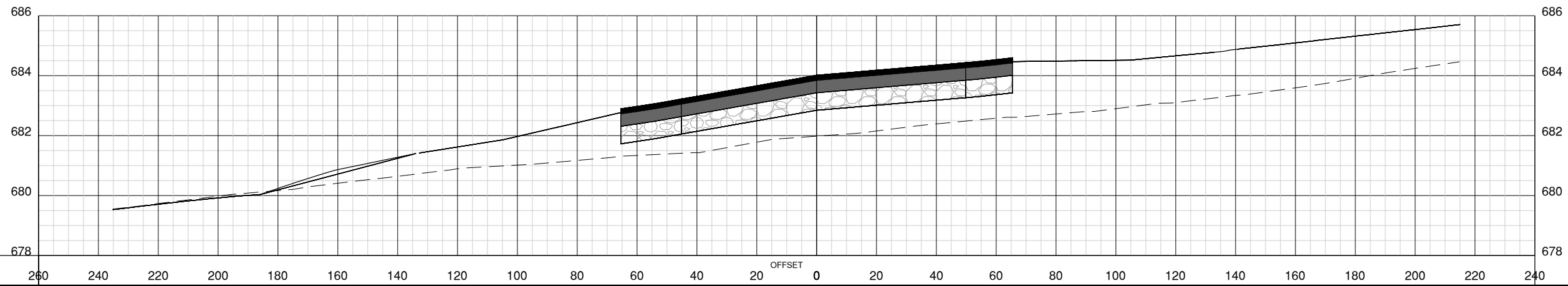
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DANVILLE, ILLINOIS

13+50



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CMT PROJECT NO:	190042-02
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SHEET TITLE  
**PROPOSED TAXIWAY  
A1 CROSS SECTIONS  
3**

CG316  
SHEET 70 OF 70