

DESCRIPTION

ILLINOIS VALLEY REGIONAL AIRPORT

SECTIONS 6 & 7, TOWNSHIP 33N., RANGE 1E. OF 3RD P.M.
LASALLE COUNTY, PERU TOWNSHIP

CONTRACT NO. = IL034
TOTAL NUMBER OF SHEETS = 6
ITEM 08A

THE CITY OF PERU, ILLINOIS ILLINOIS VALLEY REGIONAL AIRPORT WALTER DUNCAN FIELD

CONSTRUCTION PLANS
FOR
REHABILITATE GENERAL AVIATION T-HANGAR PAVEMENT
ILLINOIS PROJECT NO. VYS-5067
AIP PROJECT NO. 3-17-SBGP-184/197

LATITUDE: N 41°21'01", LONGITUDE: W 89°09'11"

ELEVATION 653.28

DATE: JANUARY 27, 2025

RUNWAY 18/36 (EXISTING) CATEGORY C, GROUP II
RUNWAY 7/25 (EXISTING) CATEGORY B, GROUP II

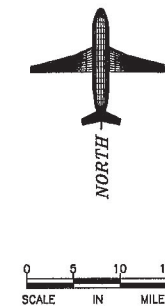
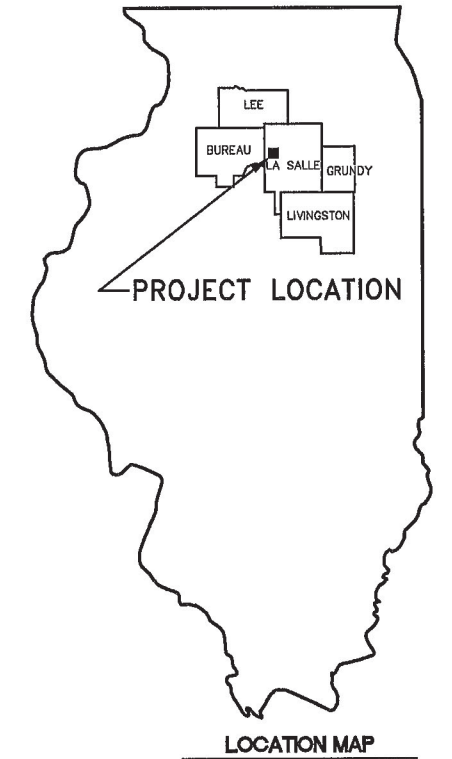
INDEX OF SHEETS

PAGE NO. DESCRIPTION

1	COVER SHEET
2	SAFETY PHASING
3	EXISTING CONDITIONS
4	PROPOSED IMPROVEMENTS
5	MARKING PLAN
6	PROPOSED DRAIN APRON

SUMMARY OF QUANTITIES

NO	ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL
AR 150530	MOBILIZATION	LS	1	\$ 14,226.89	\$14,226.89
AR 401613	BITUMINOUS SURFACE COURSE, METHOD I SUPERPAVE	TON	1750	\$ 110.00	\$192,500.00
AR 401650	BITUMINOUS PAVEMENT MILLING	S.Y.	15350	\$ 10.00	\$153,500.00
AR 603510	BITUMINOUS TACK COAT	GALLON	3225	\$ 4.75	\$15,318.75
AR 620520	PAVEMENT MARKING - WATERBORNE	S.F.	200	\$ 5.00	\$1,000.00
AR 701012	12" PVC STORM SEWER	LF	35	\$ 65.00	\$2,275.00
AR 701200	SLOTTED DRAIN	LF	510	\$ 82.75	\$42,202.50
AR 751411	INLET - TYPE A	EACH	1	\$ 2,200.00	\$2,200.00
AR 751610	PAVED DITCH	LF	1200	\$ 35.00	\$42,000.00
AR 800958	BITUMINOUS PATCHING	S.Y.	200	\$ 45.00	\$9,000.00



01/27/25
date

CASEY J. McCOLLUM
LICENSED PROFESSIONAL ENGINEER
NO. 062-059173
STATE OF ILLINOIS

expires 11-30-2025

Casey J. McCollum
signature

PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-001717

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CITY OF PERU		Illinois Department of Transportation Division of Aeronautics	
APPROVED <i>[Signature]</i> CITY ENGINEER DATE <u>January, 24th</u> 2025	APPROVED _____ CHIEF ENGINEER DATE _____ 2025		



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CHECKED BY: CJM	LEVEL	BY	DATE	DESCRIPTION
DATE: 09/30/2024				

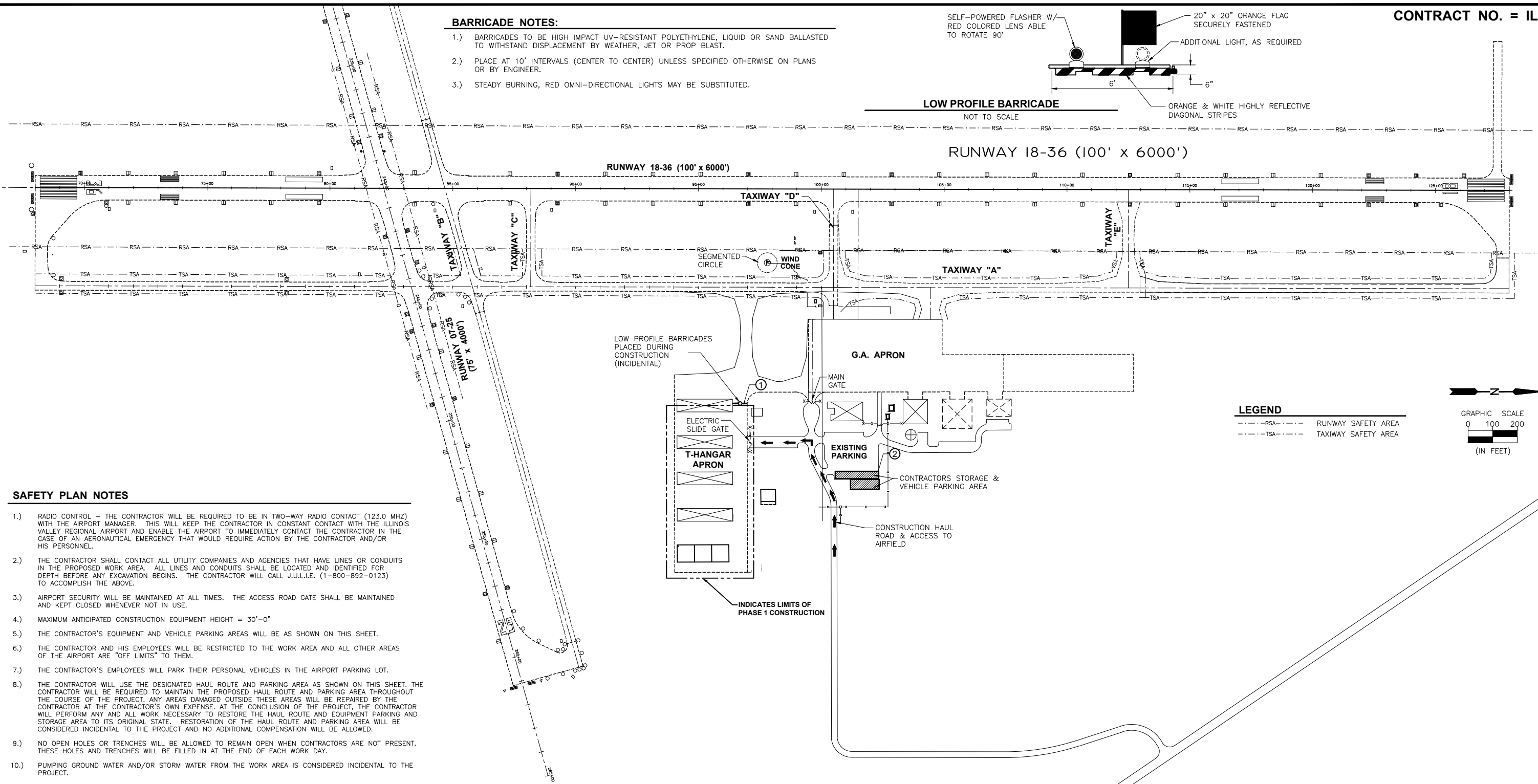
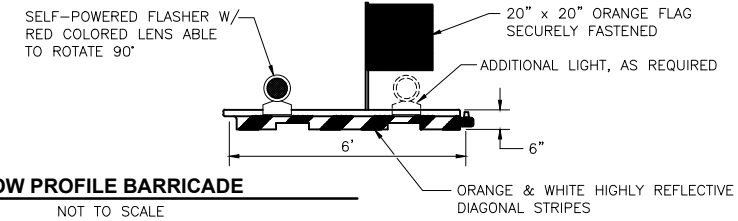
CONSTRUCTION PLANS	CURRENT AS OF: 01/27/2025	
	SCALE: AS-NOTED	SHEET 1
	FILE NO.:	OF 6

BARRICADE NOTES:

- 1.) BARRICADES TO BE HIGH IMPACT UV-RESISTANT POLYETHYLENE, LIQUID OR SAND BALLASTED TO WITHSTAND DISPLACEMENT BY WEATHER, JET OR PROP BLAST.
- 2.) PLACE AT 10' INTERVALS (CENTER TO CENTER) UNLESS SPECIFIED OTHERWISE ON PLANS OR BY ENGINEER.
- 3.) STEADY BURNING, RED OMNI-DIRECTIONAL LIGHTS MAY BE SUBSTITUTED.

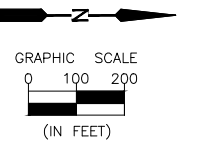
LOW PROFILE BARRICADE

NOT TO SCALE



LEGEND

- RSA --- RUNWAY SAFETY AREA
- TSA --- TAXIWAY SAFETY AREA



SAFETY PLAN NOTES

- 1.) RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (123.0 MHZ) WITH THE AIRPORT MANAGER. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE ILLINOIS VALLEY REGIONAL AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN THE CASE OF AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.
- 2.) THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES THAT HAVE LINES OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO ACCOMPLISH THE ABOVE.
- 3.) AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE ACCESS ROAD GATE SHALL BE MAINTAINED AND KEPT CLOSED WHENEVER NOT IN USE.
- 4.) MAXIMUM ANTICIPATED CONSTRUCTION EQUIPMENT HEIGHT = 30'-0"
- 5.) THE CONTRACTOR'S EQUIPMENT AND VEHICLE PARKING AREAS WILL BE AS SHOWN ON THIS SHEET.
- 6.) THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.
- 7.) THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR PERSONAL VEHICLES IN THE AIRPORT PARKING LOT.
- 8.) THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR WILL PERFORM ANY AND ALL WORK NECESSARY TO RESTORE THE HAUL ROUTE AND EQUIPMENT PARKING AND STORAGE AREA TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9.) NO OPEN HOLES OR TRENCHES WILL BE ALLOWED TO REMAIN OPEN WHEN CONTRACTORS ARE NOT PRESENT. THESE HOLES AND TRENCHES WILL BE FILLED IN AT THE END OF EACH WORK DAY.
- 10.) PUMPING GROUND WATER AND/OR STORM WATER FROM THE WORK AREA IS CONSIDERED INCIDENTAL TO THE PROJECT.
- 11.) IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 12.) ALL TRAFFIC CONTROL IS INCIDENTAL TO THE CONTRACT.
- 13.) SITE ACCESS AND HAUL ROUTE IS THE PUBLIC ENTRANCE ROAD TO THE AIRPORT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN ALL ENTRANCE ROAD SURFACES IN A CLEAN CONDITION. THIS SHALL INCLUDE CLEANING OF THE ROADWAY AND PARKING LOT SURFACES AS OFTEN AS NECESSARY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- 14.) THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. WHEN ACTIVE AIRFIELD PAVEMENTS ARE UTILIZED AS HAUL ROADS OR FOR GENERAL CONSTRUCTION OPERATIONS BY THE CONTRACTOR, MATERIAL TRACKED ON THE PAVEMENT SHALL BE CONTINUALLY REMOVED TO THE SATISFACTION OF THE AIRPORT MANAGER & R.E. THE SWEEPER OPERATIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CONSTRUCTION SEQUENCE & SAFETY

PHASE 1 AREA:

- A. MOVE TRAFFIC CONTROL BARRICADES TO PHASE 1 LOCATIONS.
- B. MILL HMA SURFACE AND INSPECT REMAINING HMA PAVEMENT PERFORM HMA BASE COURSE PATCHING IF DIRECTED BY ENGINEER
- C. INSTALL LEVELING BINDER AND SURFACE COURSE
- D. CLEAN PAVEMENTS AND INSTALL PAVEMENT MARKINGS.
- D. REMOVE TRAFFIC CONTROL BARRICADES.

CRITICAL POINT DATA

PNT. LOCATION	LATITUDE	LONGITUDE	GRND. ELEV.	HEIGHT (AMSL)
TAXIWAY BARRICADE ①	N. 41° 21' 05.5102"	W. 89° 08' 57.6714"	650.50	680.50
STORAGE AREA OBSTRUCTION HGT ②	N. 41° 21' 11.0575"	W. 89° 08' 56.1045"	650.00	680.00

*BARRICADES USED ON AIRPORT SURFACES SHALL BE LOW PROFILE WITH REFLECTIVE STRIPES & RED LIGHTS AS PER AC 150/5370-2G *OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION*.

POINT OF CONTACT
MIDWEST AVTECH
IL. VALLEY REG. AIRPORT
4150 PLANK ROAD
PERU, IL. 61354
(815) 223-2003

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ILLINOIS

**ILLINOIS VALLEY REGIONAL AIRPORT
REHABILITATE GENERAL AVIATION T-HANGER PAVEMENT
PERU, ILLINOIS**

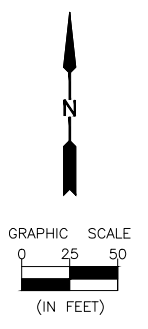
CONSTRUCTION SAFETY PLAN - PHASE 1

CONSTRUCTION PLANS

CURRENT AS OF: 01/27/2025

SCALE: AS NOTED SHEET 2

FILE NO.: 1127.00 Y- OF 6



LEGEND:

- EXISTING SLOT DRAIN
- BITUMINOUS PAVEMENT MILLING, 2"

SITE BENCH MARK

PK SURVEY NAIL SET IN NORTHEAST CONCRETE AREA (SEE PLAN ABOVE)
ELEV. = 650.21 (NAVD 88)

NOTE: SITE BENCH MARK IS A TEMPORARY BENCH MARK INTENDED TO BE PROJECT SPECIFIC.

COORDINATE TABLE

1	N	1707383.2115	E	760074.8794
2	N	1707322.8155	E	760074.8945
3	N	1707382.7594	E	760740.0075
4	N	1707319.8298	E	760739.8772

NOTE: ALL LISTED COORDINATES ARE ON STATE PLANE COORDINATES NAD83 (IL EAST ZONE)

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Chamin & Associates

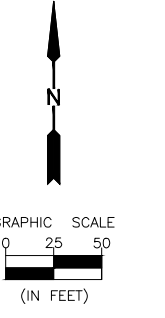
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**ILLINOIS VALLEY REGIONAL AIRPORT
REHABILITATE GENERAL AVIATION T-HANGER PAVEMENT
PERU, ILLINOIS**

EXISTING CONDITIONS

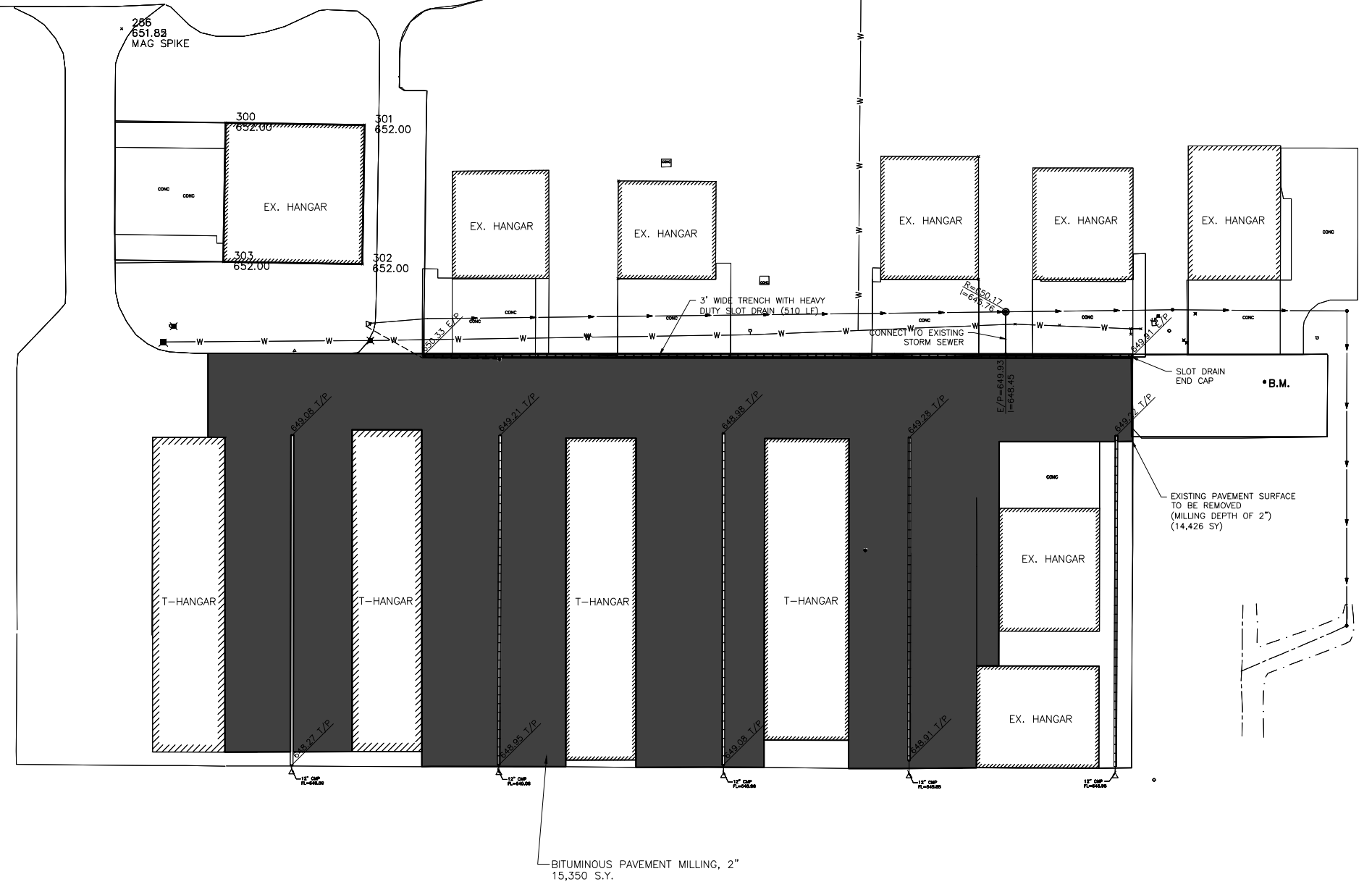
**CONSTRUCTION
PLANS**

CURRENT AS OF: 01/27/2025	
SCALE: AS NOTED	SHEET 3
FILE NO.: 1127.00 Y-	OF 6

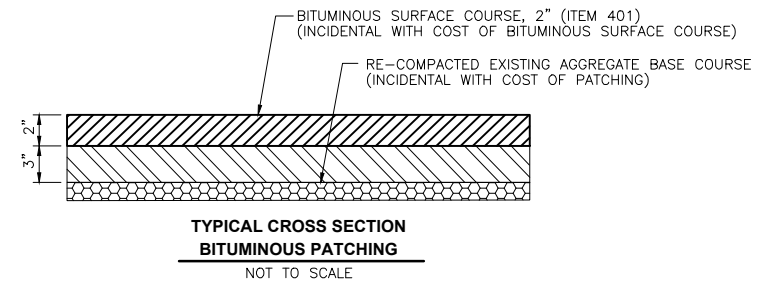
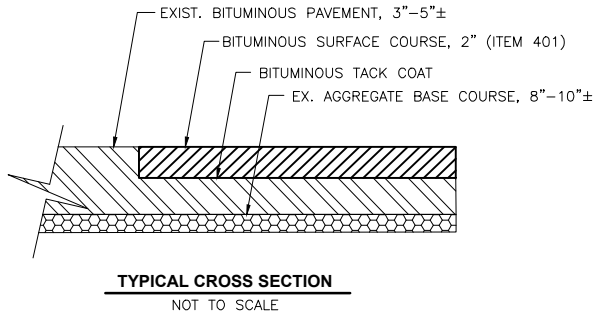


LEGEND:

	BITUMINOUS PAVEMENT MILLING, 2"
	EXISTING SLOT DRAIN
	PROPOSED SLOT DRAIN



HMA MIXTURE TABLE					
ITEM	N _{des}	PG BINDER	AGG. QUALITY	MAX RAP	DENSITY ACCEPTANCE
401- HMA SURFACE METHOD 1	N30 @ 3.0% (IF UNDER 60K) N50 @ 3.0% (IF 60K OR MORE)	SBS PG 76-28	A	NONE ALLOWED	MAINLINE-NUCLEAR GAUGE JOINTS- CORE
403- HMA BASE METHOD 1 (FOR PATCHING)	N30 @ 3.0% (IF UNDER 60K) N50 @ 3.0% (IF 60K OR MORE)	SBS PG 76-22	B	20%	MAINLINE-NUCLEAR GAUGE



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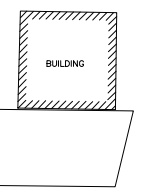
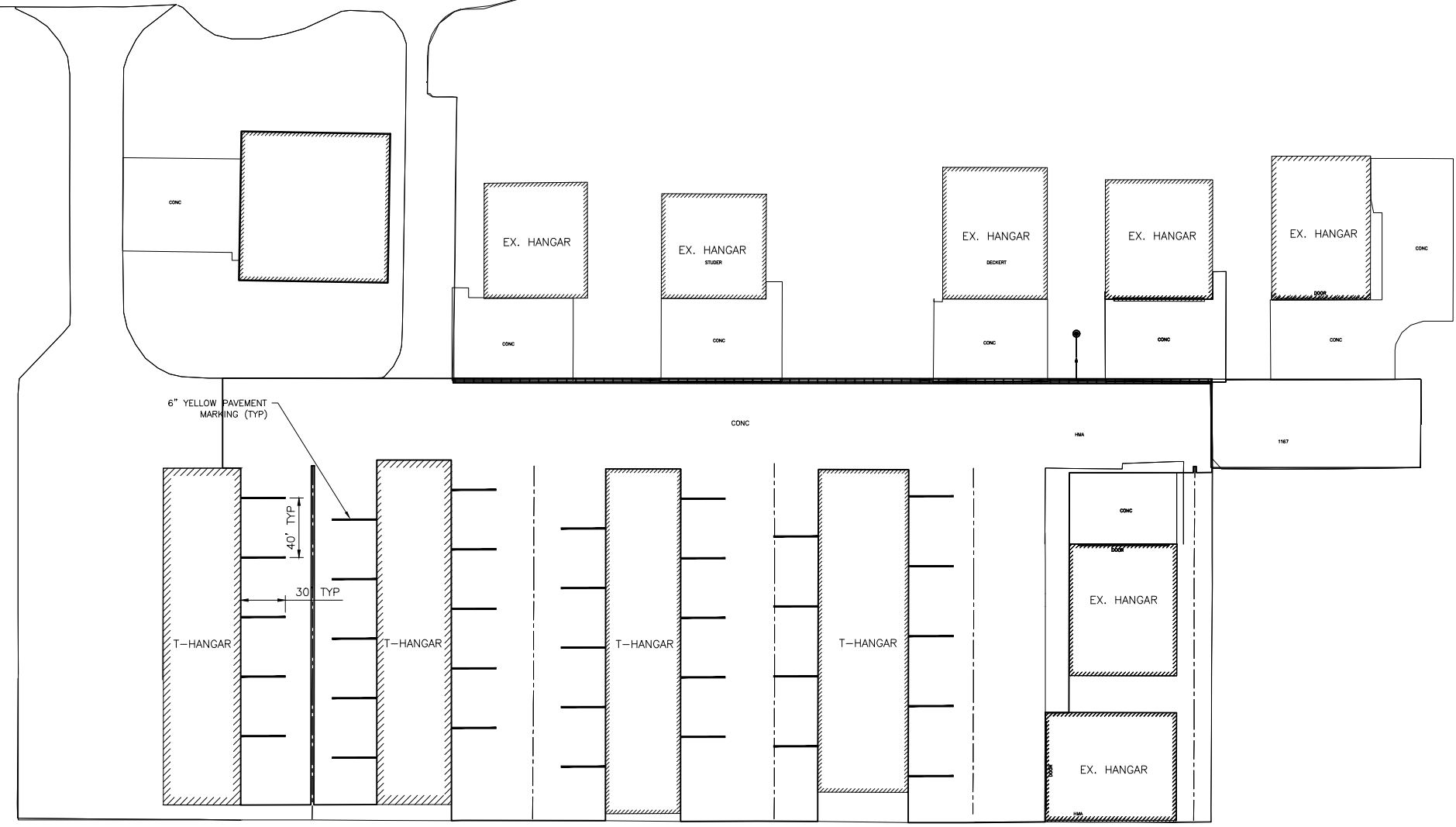
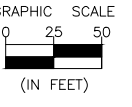
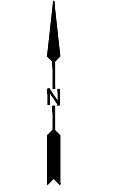


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ILLINOIS

**ILLINOIS VALLEY REGIONAL AIRPORT
REHABILITATE GENERAL AVIATION T-HANGER PAVEMENT
PERU, ILLINOIS**

PROPOSED IMPROVEMENTS

CONSTRUCTION PLANS	CURRENT AS OF: 01/27/2025	
	SCALE: AS NOTED	SHEET 4
	FILE NO.: 1127.00 Y-	OF 6



NOTE:
CENTERLINE ALIGNMENT MARK SHALL BE CENTERED
ON EACH "T" HANGAR DOOR.

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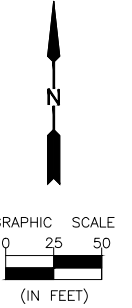
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**ILLINOIS VALLEY REGIONAL AIRPORT
REHABILITATE GENERAL AVIATION T-HANGER PAVEMENT
PERU, ILLINOIS**

MARKING PLAN

**CONSTRUCTION
PLANS**

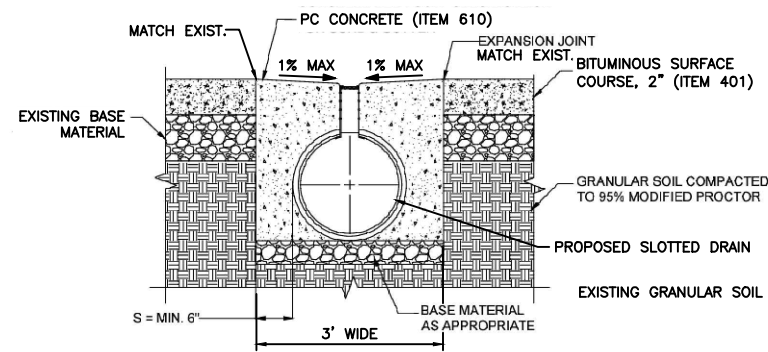
CURRENT AS OF: 01/27/2025	
SCALE: AS NOTED	SHEET 5
FILE NO.: 1127.00 Y-	OF 6



LEGEND:

- BITUMINOUS PAVEMENT MILLING, 2"
- EXISTING SLOT DRAIN
- PROPOSED SLOT DRAIN

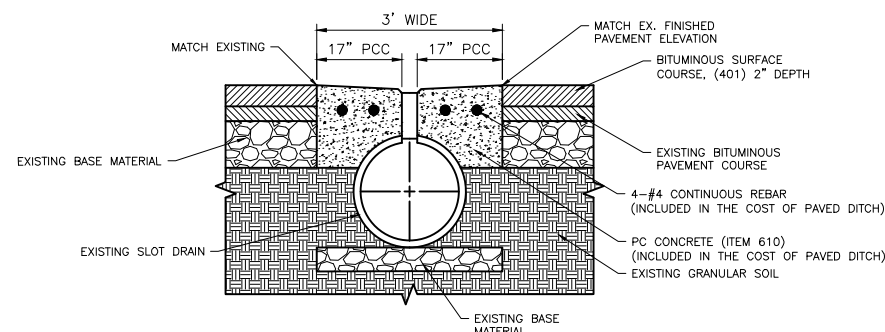
Point Table				
Point #	Elevation	Northing	Easting	Description
1	650.33	1707381.62	760229.93	PROP SLOT DRAIN START
2	650.17	1707414.21	760648.78	PROP SLOT DRAIN TO EX
3	649.91	1707381.21	760740.00	PROP SLOT DRAIN END



Heavy Traffic - surrounded by concrete for critical loading applications. This would include frequent high-speed, H-20 traffic (i.e. highways, loading docks, etc.). The 'S' dimension is generally 6" depending on the specific conditions for the project (design layout, traffic patterns, soil properties, etc.). Expansion joints and concrete and/or asphalt pavement is to be designed by others.

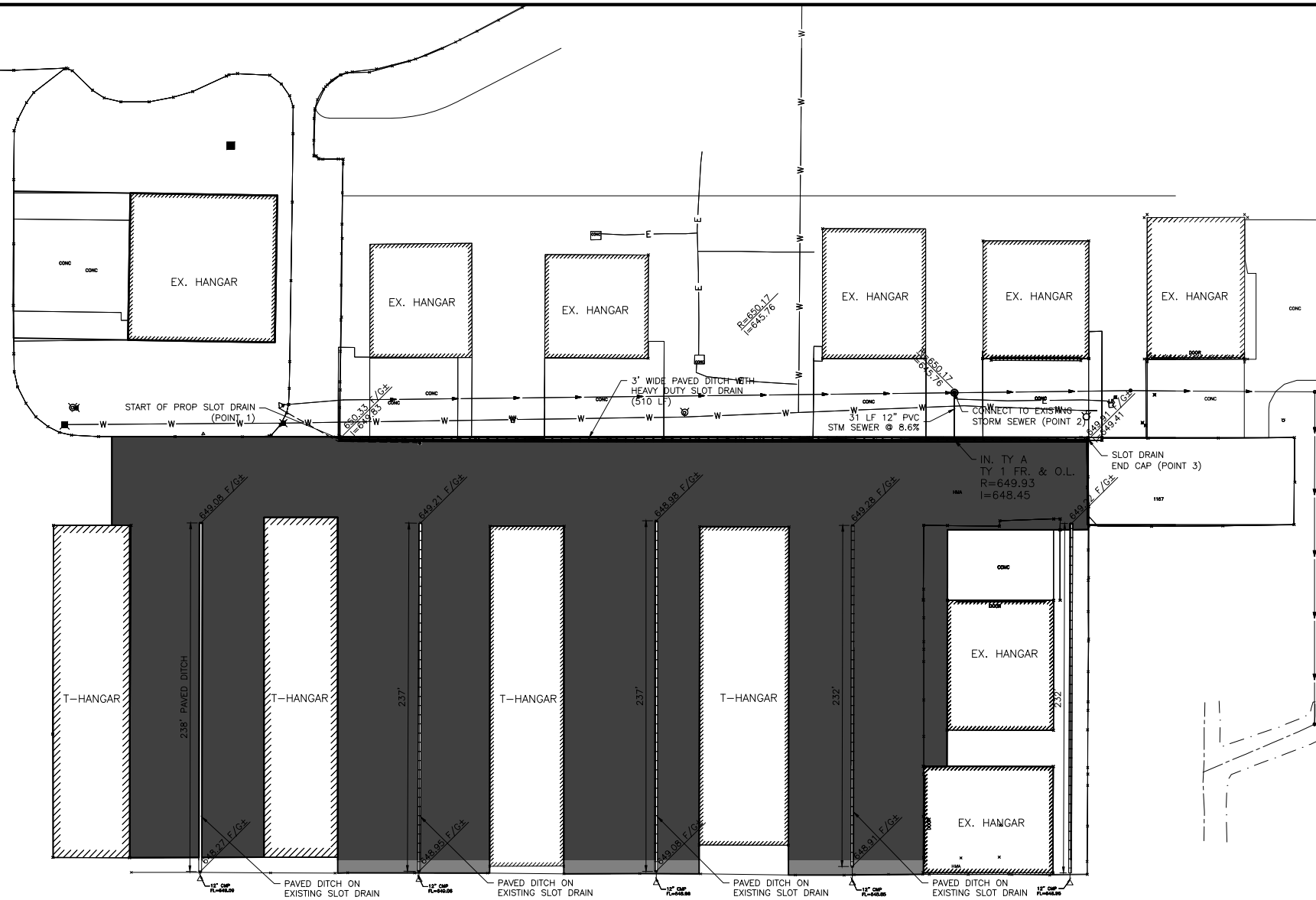
PROPOSED TYPICAL CROSS SECTION HEAVY DUTY SLOT DRAIN AND PAVED DITCH

NOT TO SCALE

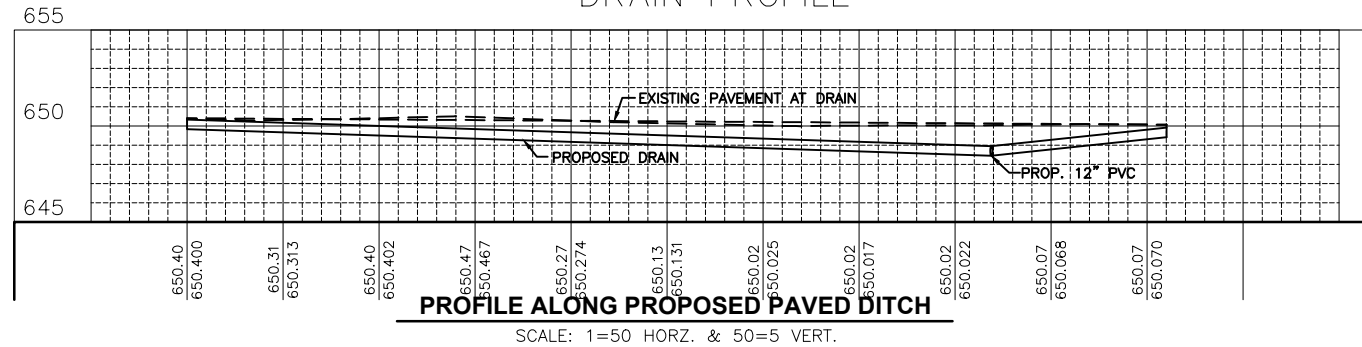


TYPICAL CROSS SECTION PAVED DITCH FOR EXISTING SLOT DRAIN

NOT TO SCALE



DRAIN PROFILE



PAVED DITCH NOTES:

1. ALL SAW CUTTING, PAVEMENT REMOVAL, AND SUBGRADE COMPACTION IS INCLUDED IN THE COST OF PAVED DITCH.
2. CONTRACTOR SHALL PROTECT THE EXISTING SLOT FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THEIR SOLE EXPENSE.
3. THE CONTRACTOR SHALL PROTECT AGAINST THE FLOATING OF THE SLOT DRAIN MATERIAL. NO ADDITIONAL COMPENSATION WILL BE MADE FOR REPAIRS OR RELAYING OF FLOATED DRAIN PIPE.

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**ILLINOIS VALLEY REGIONAL AIRPORT
REHABILITATE GENERAL AVIATION T-HANGER PAVEMENT
PERU, ILLINOIS**

PROPOSED PCC DRAIN APRONS

CONSTRUCTION PLANS

CURRENT AS OF: 01/27/2025

SCALE: AS NOTED SHEET 6

FILE NO.: 1127.00 Y- OF 6