



SUMMARY OF QUANTITIES - BASE BID				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	L SUM	1	
AR150520	MOBILIZATION	L SUM	1	
AR152410	UNCLASSIFIED EXCAVATION	CU YD	1,025	
AR152511	SUBGRADE REPAIR	SQ YD	250	
AR156500	TEMPORARY EROSION CONTROL	L SUM	1	
AR156513	SEPARATION FABRIC	SQ YD	2,153	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	FOOT	2,000	
AR208540	OVERSIZE AGGREGATE	TON	754	
AR209604	CRUSHED AGG. BASE COURSE - 4"	SQ YD	2,153	
AR401613	BIT. SURF. CSE.-METHOD I, SUPERPAVE	TON	496	
AR401650	BITUMINOUS PAVEMENT MILLING	SQ YD	4,374	
AR403613	BIT. BASE CSE.-METHOD I, SUPERPAVE	TON	547	
AR602510	BITUMINOUS PRIME COAT	GALLON	755	
AR603510	BITUMINOUS TACK COAT	GALLON	1,303	
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	2,028	
AR620525	PAVEMENT MARKING-BLACK BORDER	SQ FT	2,028	
AR701900	REMOVE PIPE	FOOT	663	
AR705546	6" NON PERFORATED UNDERDRAIN	FOOT	37	
AR751411	INLET-TYPE A	EACH	1	
AR751900	REMOVE INLET	EACH	10	
AR751940	ADJUST INLET	EACH	2	
AR901510	SEEDING	ACRE	0.25	
AR908514	LIGHT-DUTY HYDRAULIC MULCH	ACRE	0.25	

SUMMARY OF QUANTITIES - ADD. ALT 1				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AS401613	BIT. SURF. CSE.-METHOD I, SUPERPAVE	TON	85	
AS401650	BITUMINOUS PAVEMENT MILLING	SQ YD	944	
AS603510	BITUMINOUS TACK COAT	GALLON	142	

SUMMARY OF QUANTITIES - ADD. ALT 2				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AT152410	UNCLASSIFIED EXCAVATION	CU YD	288	
AT156513	SEPARATION FABRIC	SQ YD	780	
AT209610	CRUSHED AGG. BASE COURSE - 10"	SQ YD	780	
AT401613	BIT. SURF. CSE.-METHOD I, SUPERPAVE	TON	164	
AT602510	BITUMINOUS PRIME COAT	GALLON	273	
AT603510	BITUMINOUS TACK COAT	GALLON	117	

**GENERAL NOTES:**

**QUANTITIES**

PAYMENT WILL BE MADE UNDER THE ITEM NUMBERS, DESCRIPTIONS AND UNITS NOTED IN THE ABOVE TABLE IN ACCORDANCE WITH THE BASIS OF PAYMENT FOR EACH RESPECTIVE WORK ITEM COMPLETED AND ACCEPTED BY THE ENGINEER.

**CERTIFIED PAYROLLS**

THE RESIDENT ENGINEER/TECHNICIAN CANNOT FORWARD CONSTRUCTION REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

**MATERIAL CERTIFICATIONS**

MATERIALS TO BE INCORPORATED INTO THE PROJECT CANNOT BE USED WITHOUT PRIOR APPROVAL. ALL MATERIALS TO BE USED IN THE PROJECT MUST BE SUBMITTED TO THE RESIDENT ENGINEER/TECHNICIAN FOR APPROVAL. USE OF MATERIALS WITHOUT PRIOR APPROVAL AND ULTIMATELY DETERMINED TO BE UNACCEPTABLE BY THE ILLINOIS DIVISION OF AERONAUTICS ARE SUBJECT TO REMOVAL AND/OR NON-PAYMENT.

INDEX TO SHEETS	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX OF SHEETS
3	SCOPE OF WORK
4	CONSTRUCTION SAFETY PLAN
5	CONSTRUCTION SAFETY NOTES & DETAILS
6	TYPICAL SECTIONS
7	ALIGNMENT DATA SHEET
8	EXISTING DEMOLITION PLAN
9	PROPOSED CONSTRUCTION PLAN
10	PROPOSED CONSTRUCTION DETAILS
11	PROPOSED PLAN & PROFILE - BASELINE A
12	PROPOSED PLAN & PROFILE - BASELINE B
13	PROPOSED PLAN & PROFILE - BASELINE C
14	PROPOSED PLAN & PROFILE - ACCESS ROAD
15	PROPOSED MARKING PLAN

UNCLASSIFIED EXCAVATION QUANTITY SUMMARY			
WORK AREA	CUT (CY)	FILL (CY)	NET (CY)
T-HANGAR APPROACH	774**	0	774 (EXCESS)
ACCESS ROAD	288**	0	288 (EXCESS)
ASPHALT STOCKPILE (EST.)	250**	0	250 (EXCESS)
<b>TOTAL</b>	<b>1,312**</b>	<b>0</b>	<b>1,312 (EXCESS)</b>

\*\* USED TO CALCULATE 152410 PAY ITEM QUANTITIES

**UNCLASSIFIED EXCAVATION NOTES:**

- UNCLASSIFIED EXCAVATION QUANTITIES (CUT/FILL VOLUMES) SHOWN ABOVE WERE CALCULATED UTILIZING AUTODESK CIVIL3D SOFTWARE THROUGH AUTOCAD. THE CALCULATION METHOD WAS BY A COMPARISON OF SURFACE MODELS CREATED WITH EXISTING SURVEY DATA AND PROPOSED DESIGN GRADES. THE VOLUMES WERE CALCULATED IN TWO PARTS: THE CUT/FILL VOLUME REQUIRED TO CORE OUT AND FILL FOR THE PROPOSED PAVEMENT SECTION AS COMPARED TO THE EXISTING SUBGRADE DATUM, AND THE CUT/FILL VOLUMES REQUIRED FOR PROPOSED GRADING WORK OUTSIDE OF THE PROPOSED PAVEMENT LIMITS AS COMPARED TO THE EXISTING GROUND SURFACE. THE NUMBERS IN THE SUMMARY TABLES ABOVE REPRESENT A TOTAL OF THESE TWO PARTS ADDED TOGETHER FOR CLARITY.
- FOLLOWING THE PROJECT AWARD, THE ENGINEER CAN PROVIDE THE RELEVANT AUTOCAD AND CIVIL 3D SURFACE MODEL FILES TO THE AWARDED CONTRACTOR UPON REQUEST TO ASSIST WITH CONSTRUCTION LAYOUT.
- EXCESS MATERIAL TO BE REMOVED OFFSITE.



*Jaycen R. Herndon*

DATE SIGNED: 12/2/2024 LICENSE EXPIRES: 11/30/2025

**RECONSTRUCT  
AIRCRAFT T-HANGAR  
ACCESS PAVEMENTS**

IDA No: VLA-5044

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024

PROJECT NO: 22A0006D

CAD FILE: G-002-FLP.DWG

DESIGN BY: JRH 3/10/2023

DRAWN BY: JRH 3/17/2023

REVIEWED BY: BSS 4/21/2023

SHEET TITLE

SUMMARY OF  
QUANTITIES AND  
INDEX OF SHEETS

**FOR BID**



*Jaycen R. Herndon*

DATE SIGNED: 12/2/2024 LICENSE EXPIRES: 11/30/2025

**RECONSTRUCT AIRCRAFT T-HANGAR ACCESS PAVEMENTS**

IDA No: VLA-5044


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024  
PROJECT NO: 22A0006D  
CAD FILE: G-003-SOW.DWG  
DESIGN BY: JRH 3/10/2023  
DRAWN BY: JRH 3/17/2023  
REVIEWED BY: BSS 4/21/2023

SHEET TITLE

**SCOPE OF WORK**

**FOR BID**

**GENERAL NOTES**

1. THE SCOPE OF WORK SHEET IS INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND THEIR APPROXIMATE LOCATIONS AND LIMITS, FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE PROJECT. THIS SHEET SHALL NOT BE USED AS A CONSTRUCTION PLAN. REFER TO THE FOLLOWING PLAN SHEETS FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK.
2. THIS WORK FOR THIS PROJECT SHALL CONSIST OF REHABILITATING THE ACCESS TAXIWAY, CONNECTING TAXILANES, AND SOUTH ACCESS ROAD. WORK ITEMS INCLUDE MILLING, UNCLASSIFIED EXCAVATION, ASPHALT PAVING AND PAVEMENT MARKING.
3. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
4. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT, PRESERVE AND REPAIR THE EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES AT NO ADDITIONAL COST TO THE CONTRACT.
6. NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR HAUL ROUTE.
7. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
8. UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE GRADED, SEEDED AND/OR HYDROMULCH SEEDED IN ACCORDANCE WITH ITEM 901 AND 908 AT NO ADDITIONAL COST TO THE CONTRACT.
9. ALL WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HEREIN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
11. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
12. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER / TECHNICIAN SO THEY MAY DEVELOP ONE SET OF REDLINED AS-BUILT RECORD DRAWINGS AT THE COMPLETION OF THE PROJECT.
13. THE CONSTRUCTION LIMITS SHALL BE RESTRICTED TO AREAS THAT ARE ABSOLUTELY NECESSARY TO DISTURB TO COMPLETE THE REQUIRED WORK ITEMS. LIMITS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER PRIOR TO BEGINNING ANY WORK.
14. CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL GRASS, STONE, OR PAVEMENT DISTURBED BY CONTRACTOR'S CONSTRUCTION OPERATIONS, STAGING, AND CONSTRUCTION ACCESS/HAUL ROUTES. DISTURBED AREAS TO BE REPAIRED, GRADED, AND MULCHED SEEDED IN ACCORDANCE WITH ITEMS 901 AND 908, UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE INCLUDED IN THE COST OF MOBILIZATION.
15. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER/ TECHNICIAN IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS.
16. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER PERSONS FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
17. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS WORK.

**UTILITY NOTE**

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE 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 COMPANIES OF ITS 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 OWNER'S REPRESENTATIVE AND THE RESIDENT ENGINEER/TECHNICIAN SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND LOCATED BY THE FAA. ALSO CONTACT AIRPORT MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

**J.U.L.I.E. INFORMATION**

COUNTY \_\_\_\_\_ FAYETTE  
CITY \_\_\_\_\_ VANDALIA  
TOWNSHIP \_\_\_\_\_ BEAR GROVE  
SECTION NO. \_\_\_\_\_ 2  
ADDRESS \_\_\_\_\_ VANDALIA MUNICIPAL AIRPORT  
CR 1700 N & TANDEM AVE.  
VANDALIA, ILLINOIS 62471



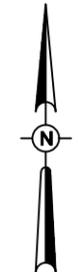
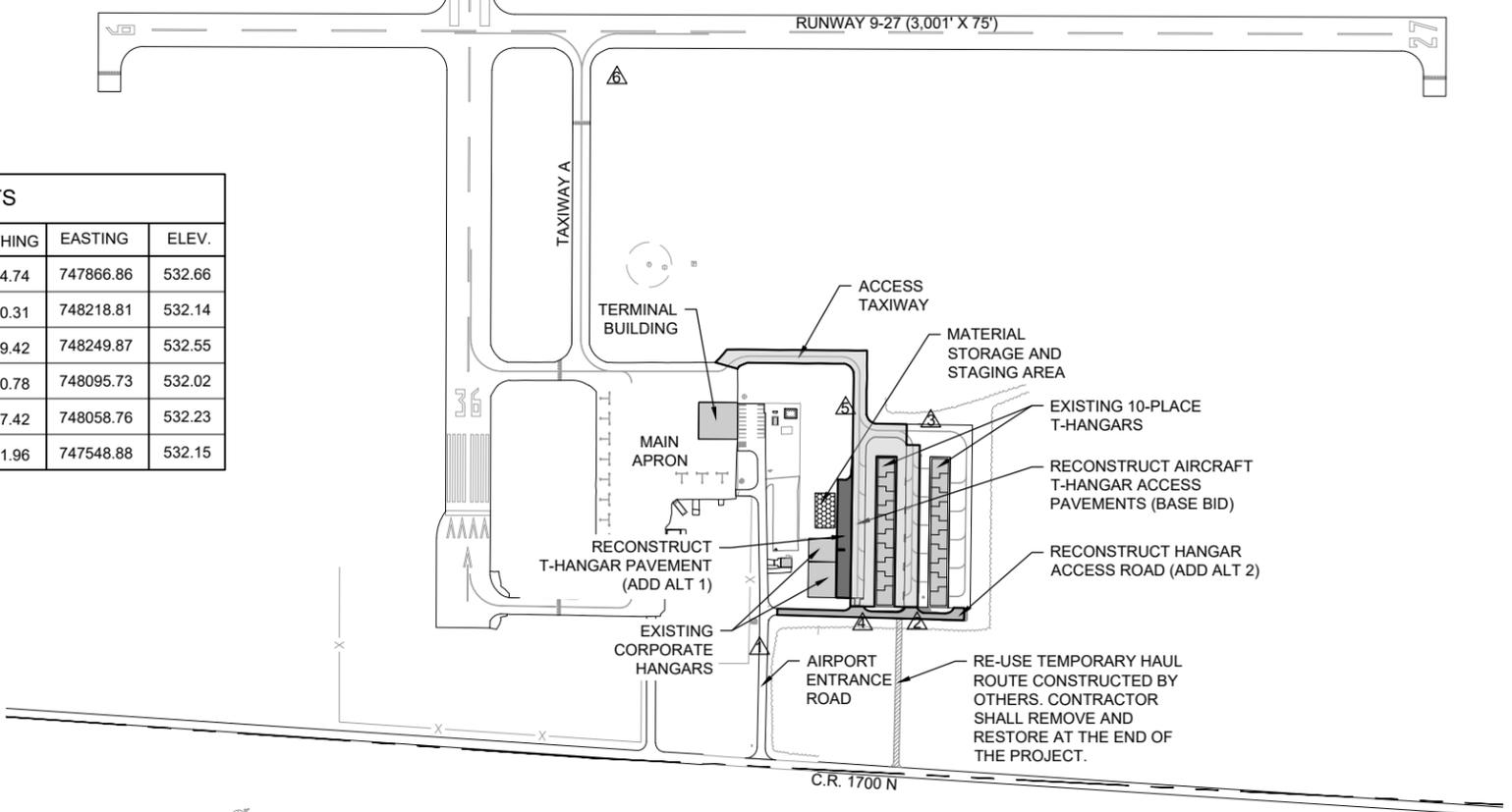
RUNWAY 18-36 (3,751' X 100')

RUNWAY 9-27 (3,001' X 75')

SURVEY CONTROL POINTS				
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
1	MAG NAIL IN PAVEMENT	845814.74	747866.86	532.66
2	MAG NAIL IN DITCH	845870.31	748218.81	532.14
3	MAG NAIL IN PAVEMENT	846319.42	748249.87	532.55
4	MAG NAIL IN DITCH	845870.78	748095.73	532.02
5	MAG NAIL IN DITCH	846347.42	748058.76	532.23
6	NGS - VANPORT PID:JB2059	847091.96	747548.88	532.15

**SURVEY NOTES**

1. ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD-83 (2011). ALL ELEVATIONS ARE REFERENCED TO NAVD 88.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND ANY EXTENSION OF THE CONTROL NETWORK NEEDED TO PROPERLY COMPLETE THE WORK.



0' 100' 200' 400'  
HALF SIZE SCALE: 1"= 400'  
FULL SIZE SCALE: 1"= 200'

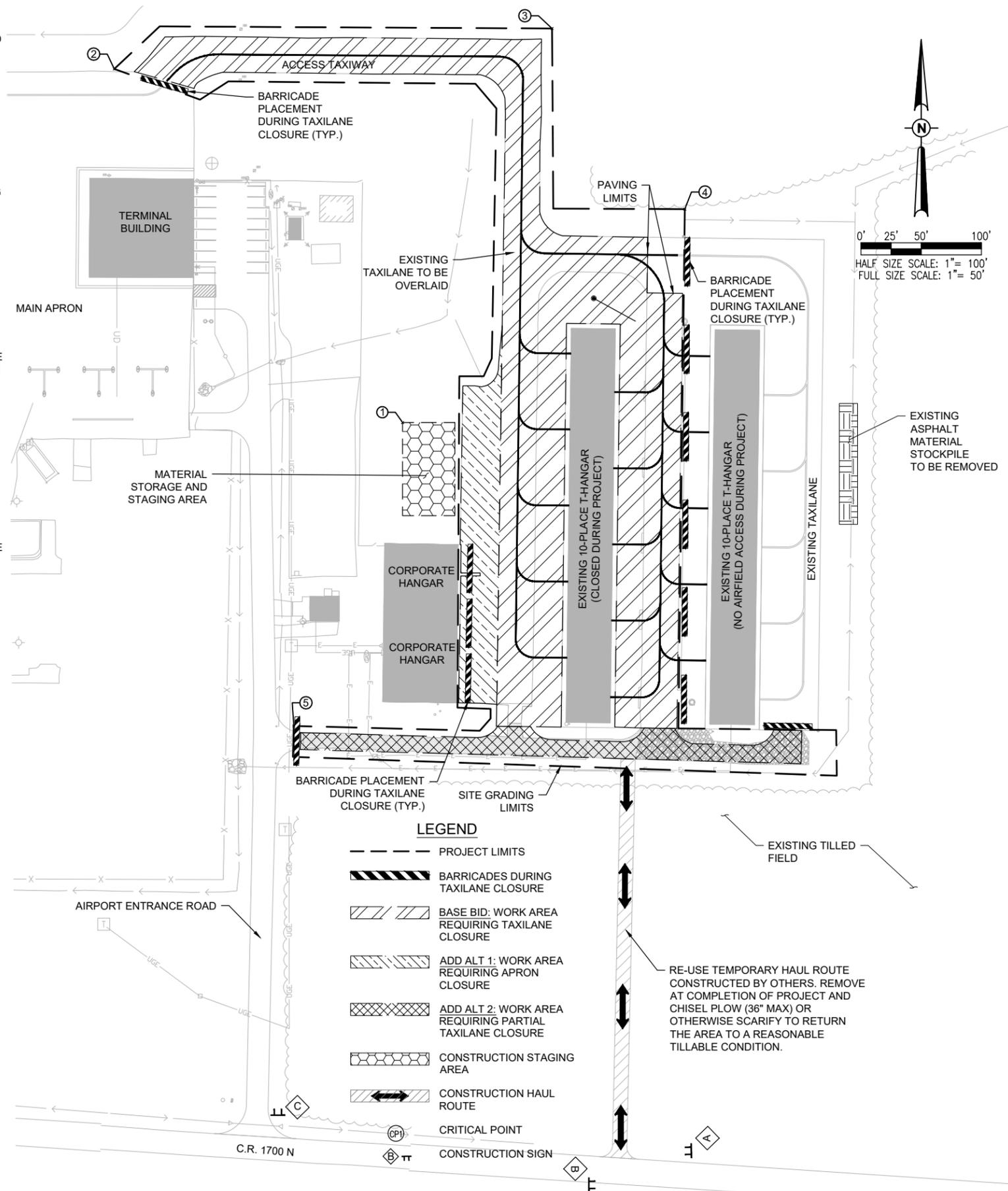
**LEGEND**

- EXISTING IMPROVEMENTS
- BASE BID: PROPOSED IMPROVEMENTS
- ADD ALT 1: PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- CONTRACTOR STAGING AREA
- SURVEY MONUMENT

**CONSTRUCTION SAFETY PLAN AND NOTES**

- CONSTRUCTION SAFETY PLAN** - THE VANDALIA MUNICIPAL AIRPORT IS COMPRISED OF TWO PAVED RUNWAYS. THE PROPOSED RECONSTRUCT AIRCRAFT T-HANGAR ACCESS PAVEMENTS PROJECT WILL NOT REQUIRE RUNWAY CLOSURE, HOWEVER TEMPORARY CLOSURES OF THE TAXIWAY AND TAXILANES IN THE T-HANGAR AREA, AS WELL AS THE SOUTH ACCESS ROAD WILL BE NECESSARY. SPECIFIC ITEMS REGARDING CLOSURES INCLUDE:
  - THE TAXIWAY AND/OR TAXILANE SHALL BE CLOSED ANYTIME THE CONTRACTOR IS WORKING WITHIN 40 FEET OF THE CENTERLINE, OR HAS SURFACE DROP-OFFS WITHIN 25 FEET OF THE CENTERLINE THAT ARE GREATER THAN 3 INCHES.
  - THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN SHALL BE NOTIFIED A MINIMUM OF 72 HOURS PRIOR TO THE DESIRED TAXIWAY AND TAXILANES CLOSING TIME.
  - THE EXISTING TAXIWAY AND TAXILANES SHALL BE PAVED WITHIN THREE DAYS OF MILLING.
  - BARRICADES SHALL BE PLACED AT THE LOCATION(S) SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
  - THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE CLOSURES AND ACCOMMODATE TENANTS OF THE EXISTING HANGARS. REGARDLESS OF WHETHER THE TAXIWAY AND/OR TAXILANE IS OPEN, THE CONTRACTOR SHALL SWEEP THE TAXIWAY AND/OR TAXILANE DAILY AND KEEP THE AREA WITHIN 40 FEET OF THE TAXIWAY AND/OR TAXILANE CENTERLINE FREE OF EQUIPMENT AND MATERIALS WHEN NOT WORKING.
- ALL PROVISIONS OF FAA ADVISORY CIRCULAR AC 150/5370-2G (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE RESUBMITTED TO AND REEVALUATED BY THE FAA.
- ALL COSTS ASSOCIATED WITH THE WORK AND MATERIALS INVOLVING CONSTRUCTION SAFETY & PHASING AS SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS, OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN OR AIRPORT MANAGER THROUGHOUT THE PROJECT, SHALL BE INCIDENTAL TO THE CONSTRUCTION CONTRACT.
- AIRFIELD SAFETY ASSURANCE** - AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FOR IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2G WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION FROM ENTERING THE AIR OPERATIONS AREA ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS BEING COMPROMISED.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" (CURRENT EDITION).
- THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT IS 25 FEET OR AS SHOWN FOR A PARTICULAR LOCATION. EQUIPMENT WITH HEIGHTS GREATER THAN THAT SHOWN WILL NOT BE ALLOWED ONSITE UNLESS ADDITIONAL AIR SPACE APPROVAL IS ACQUIRED.
- CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND OTHER HAZARDOUS AREAS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION", LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- NO PAVEMENT EDGE DROP-OFFS GREATER THAN 3" ARE ALLOWED TO REMAIN ON ANY ACTIVE AIRFIELD PAVEMENT AREA. TEMPORARY EARTH OR SHOULDERS SHALL BE PLACED IF AN INCOMPLETE AREA IS TO BE REOPENED TO AIRCRAFT TRAFFIC.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEP, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND ENGINEER. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER AS NECESSARY TO CONTROL DUST.
- RADIO CONTROL** - THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AN AIRBAND RADIO AND MAINTAIN TWO-WAY RADIO CONTACT WITH THE VANDALIA MUNICIPAL AIRPORT UNICOM (122.8 MHz) WHILE HE HAS PERSONNEL OR EQUIPMENT ON THE AIRFIELD.

CRITICAL POINTS						
POINT #	DESCRIPTION	LATITUDE	LONGITUDE	SE	AGL	AMSL
1	STAGING AREA	038° 59' 14.79"	-089° 09' 52.17"	531'	25'	556'
2	WORK AREA	038° 59' 17.66"	-089° 09' 55.24"	530'	25'	555'
3	WORK AREA	038° 59' 18.02"	-089° 09' 50.64"	531'	25'	556'
4	WORK AREA	038° 59' 16.55"	-089° 09' 49.22"	532'	25'	557'
5	WORK AREA	038° 59' 12.29"	-089° 09' 53.29"	532'	25'	557'



Engineering | Planning | Allied Services  
 Hanson Professional Services Inc.  
 1525 S. 6th Street  
 Springfield, IL 62703  
 phone: 217-788-2450  
 fax: 217-788-2503  
 Offices Nationwide  
 www.hanson-inc.com

Illinois Licensed  
 Professional Service Corporation  
 #184-001084

Vandalia Park District  
 900 North Locust Street  
 Vandalia, Illinois 62471



*Jaycen R. Herndon*

DATE SIGNED: 12/2/2024 LICENSE EXPIRES: 11/30/2025

**RECONSTRUCT AIRCRAFT T-HANGAR ACCESS PAVEMENTS**

IDA No: VLA-5044

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024  
 PROJECT NO: 22A0006D  
 CAD FILE: G-003-SFY.DWG  
 DESIGN BY: JRH 3/10/2023  
 DRAWN BY: JRH 3/17/2023  
 REVIEWED BY: BSS 4/21/2023

SHEET TITLE

**CONSTRUCTION SAFETY PLAN**

**FOR BID**

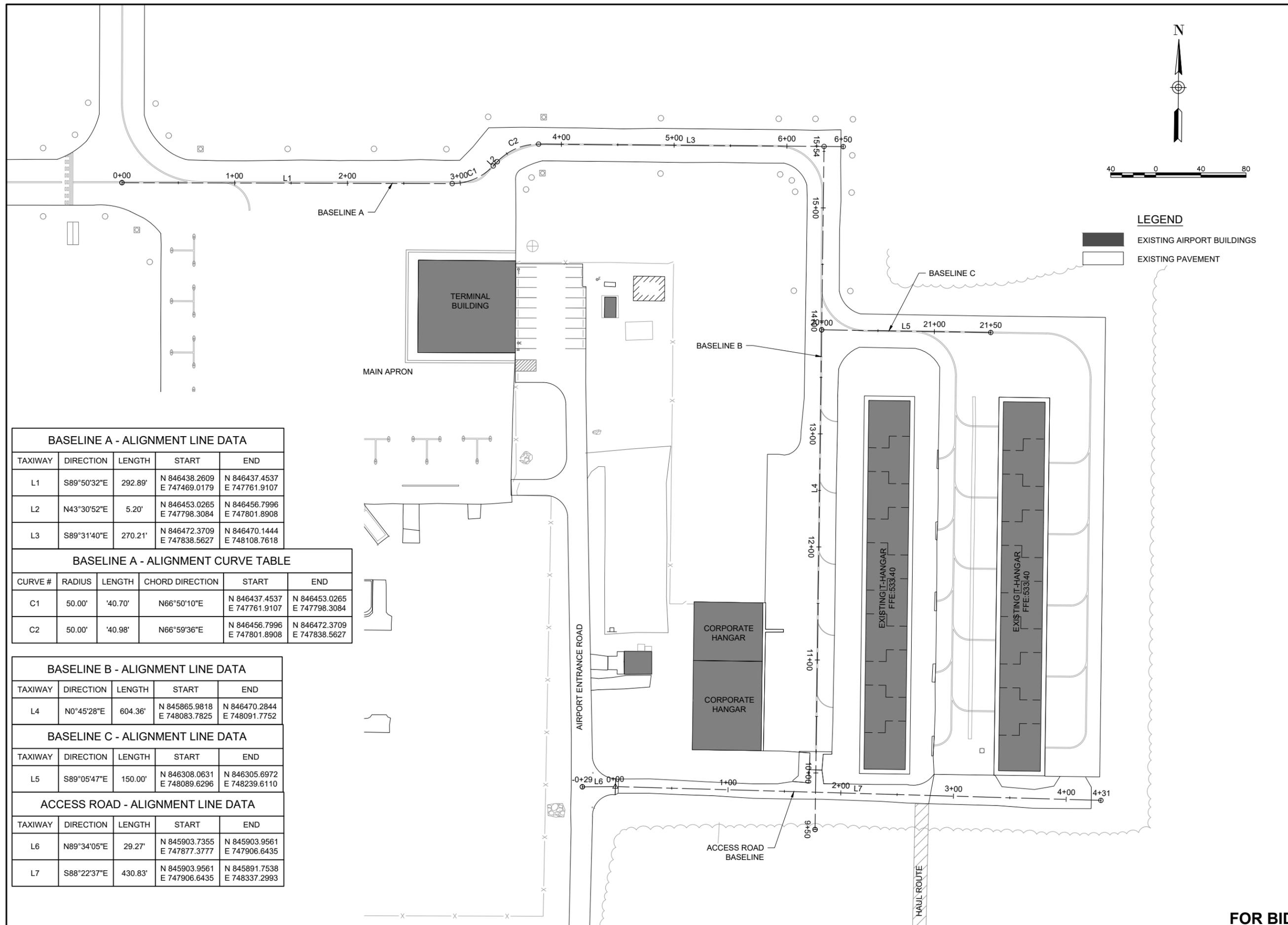






**LEGEND**

- EXISTING AIRPORT BUILDINGS
- EXISTING PAVEMENT



**BASELINE A - ALIGNMENT LINE DATA**

TAXIWAY	DIRECTION	LENGTH	START	END
L1	S89°50'32"E	292.89'	N 846438.2609 E 747469.0179	N 846437.4537 E 747761.9107
L2	N43°30'52"E	5.20'	N 846453.0265 E 747798.3084	N 846456.7996 E 747801.8908
L3	S89°31'40"E	270.21'	N 846472.3709 E 747838.5627	N 846470.1444 E 748108.7618

**BASELINE A - ALIGNMENT CURVE TABLE**

CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START	END
C1	50.00'	40.70'	N66°50'10"E	N 846437.4537 E 747761.9107	N 846453.0265 E 747798.3084
C2	50.00'	40.98'	N66°59'36"E	N 846456.7996 E 747801.8908	N 846472.3709 E 747838.5627

**BASELINE B - ALIGNMENT LINE DATA**

TAXIWAY	DIRECTION	LENGTH	START	END
L4	N0°45'28"E	604.36'	N 845865.9818 E 748083.7825	N 846470.2844 E 748091.7752

**BASELINE C - ALIGNMENT LINE DATA**

TAXIWAY	DIRECTION	LENGTH	START	END
L5	S89°05'47"E	150.00'	N 846308.0631 E 748089.6296	N 846305.6972 E 748239.6110

**ACCESS ROAD - ALIGNMENT LINE DATA**

TAXIWAY	DIRECTION	LENGTH	START	END
L6	N89°34'05"E	29.27'	N 845903.7355 E 747877.3777	N 845903.9561 E 747906.6435
L7	S88°22'37"E	430.83'	N 845903.9561 E 747906.6435	N 845891.7538 E 748337.2993



*Jaycen R. Herndon*

DATE: 12/2/2024 LICENSE: 062.069664  
SIGNED: 12/2/2024 EXPIRES: 11/30/2025

**RECONSTRUCT  
AIRCRAFT T-HANGAR  
ACCESS PAVEMENTS**

IDA No: VLA-5044

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024

PROJECT NO: 22A0006D

CAD FILE: C-101-SVY.DWG

DESIGN BY: JRH 3/10/2023

DRAWN BY: JRH 3/17/2023

REVIEWED BY: BSS 4/21/2023

SHEET TITLE

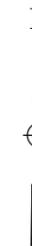
**ALIGNMENT DATA  
SHEET**

**FOR BID**



**LEGEND**

- EXISTING AIRPORT BUILDINGS
- BASE BID: PROPOSED 1.5" BITUMINOUS OVERLAY
- BASE BID: PROPOSED FULL-DEPTH TAXIWAY/TAXILANE PAVING
- BASE BID: PROPOSED FULL-DEPTH ACCESS ROAD PAVING
- ADD ALT 1: PROPOSED 1.5" BITUMINOUS MILL & OVERLAY



**NOTES:**

1. MILLING OF EXISTING TAXIWAY/TAXILANE SHALL BE VARIABLE DEPTH TO PROVIDE A MINIMUM 1.5" OVERLAY DEPTH FOLLOWING MILLING OPERATIONS.
2. CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING AND COMPACTING SUBGRADE OR AGGREGATE AROUND EXISTING STORM SEWER.
3. ACCORDING TO RECORD DRAWINGS, EXISTING INLETS TO BE ADJUSTED ARE 36" R.C.C.P. W/ NEENAH, TYPE G, R-4370-27A INLET GRATE. FIELD VERIFY.



*Jaycen R. Herndon*

DATE: 12/2/2024 LICENSE: 11/30/2025  
SIGNED: 12/2/2024 EXPIRES: 11/30/2025

**RECONSTRUCT AIRCRAFT T-HANGAR ACCESS PAVEMENTS**

IDA No: VLA-5044


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024

PROJECT NO: 22A0006D

CAD FILE: C-121-CON.DWG

DESIGN BY: JRH 3/10/2023

DRAWN BY: JRH 3/17/2023

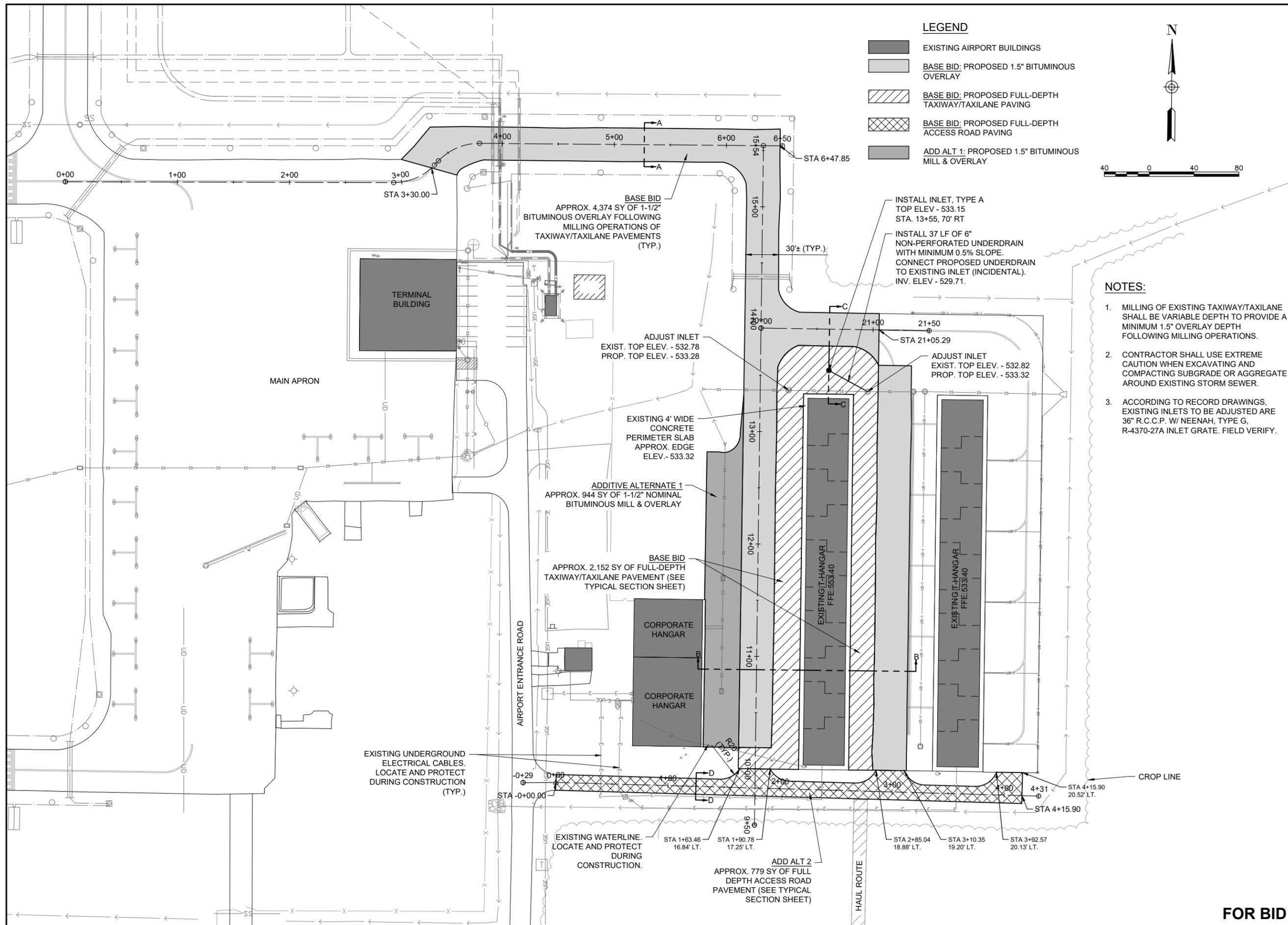
REVIEWED BY: BSS 4/21/2023

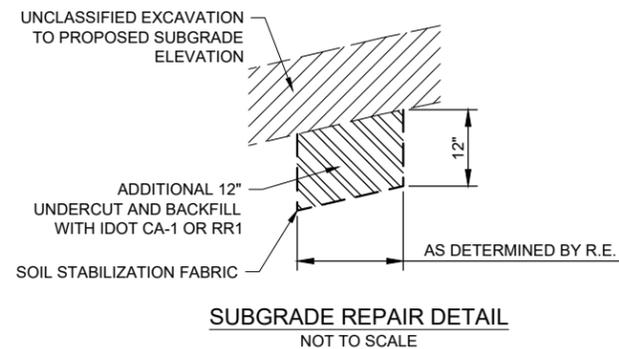
SHEET TITLE

**PROPOSED CONSTRUCTION PLAN**

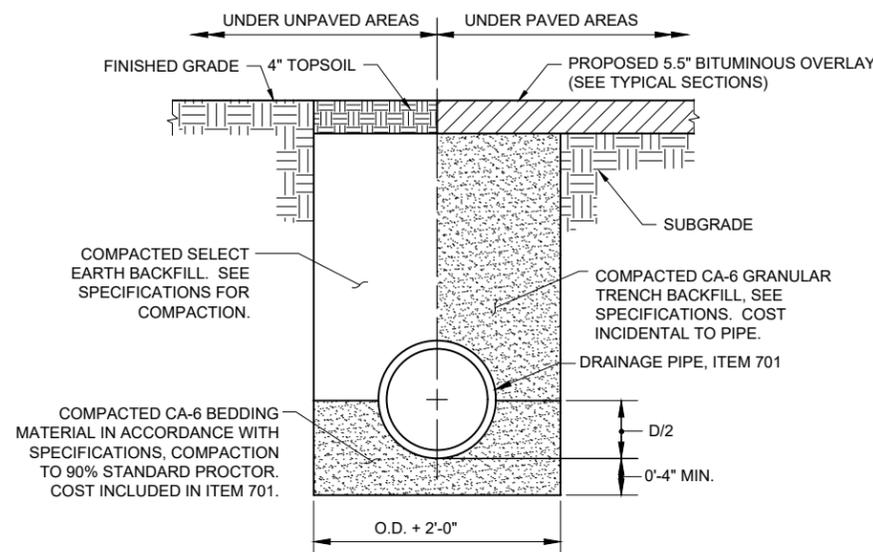
**FOR BID**

DEC 02, 2024 1:33 PM HERND01562  
I:\22\JOBS\22A0006D\CAD\AIRPORT\SHEETC-121-CON





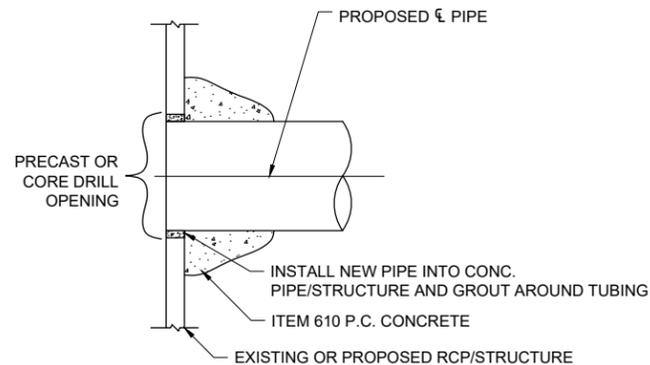
**SUBGRADE REPAIR DETAIL**  
NOT TO SCALE



**NOTES**

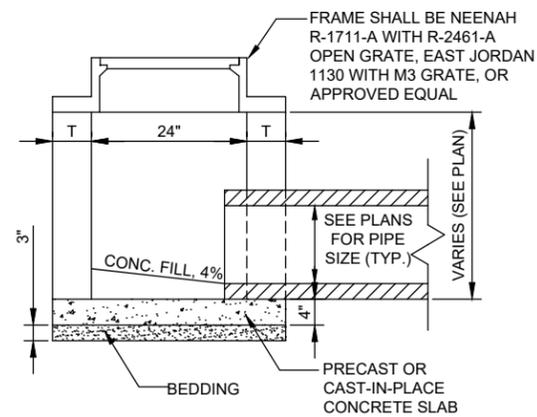
1. UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.
2. WITHIN 3 FEET OF PAVED AREA, GRANULAR BACKFILL IS TO BE USED INSTEAD OF EARTH BACKFILL.
3. AT CONTRACTOR'S OPTION IDOT CONTROLLED LOW STRENGTH MATERIAL WITH A HIGH EARLY STRENGTH, "FLASH FILL", MAY BE USED INSTEAD OF GRANULAR TRENCH BACKFILL UNDER PAVEMENTS.

**PIPE TRENCH**  
NOT TO SCALE



**CONCRETE COLLAR AND GROUT CONNECTION**  
NOT TO SCALE

NOTE: CONNECTION IS INCIDENTAL TO PIPE.



**INLET TYPE A**  
(IDOT STANDARD 602301)  
NOT TO SCALE

**NOTES:**

1. SEE PROPOSED CONSTRUCTION PLAN - SHEET 9 FOR LOCATION, SIZE AND NUMBER OF PIPE CONNECTIONS.
2. INLETS TO BE PRECAST REINFORCED CONCRETE SECTIONS (T = 3").



*Jaycen R. Herndon*

DATE SIGNED: 12/2/2024 LICENSE EXPIRES: 11/30/2025

**RECONSTRUCT  
AIRCRAFT T-HANGAR  
ACCESS PAVEMENTS**

IDA No: VLA-5044

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024

PROJECT NO: 22A0006D

CAD FILE: C-501-TYP.DWG

DESIGN BY: JRH 3/10/2023

DRAWN BY: JRH 3/17/2023

REVIEWED BY: BSS 4/21/2023

SHEET TITLE

**PROPOSED  
CONSTRUCTION  
DETAILS**

**FOR BID**



**LEGEND**

- EXISTING AIRPORT BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED SHOULDER ADJUSTMENT/SEEDING/MULCHING

**NOTE:**

1. AREAS NOTED "SHOULDER ADJUSTMENT" SHALL RECEIVE SEEDING AND MULCHING AFTER AREA HAS BEEN GRADED.
2. THE CONTRACTOR SHALL MAINTAIN PROPER SITE DRAINAGE CONDITIONS THROUGHOUT THE PROJECT.
3. CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING AROUND EXISTING STORM SEWER.
4. ANY AREAS DISTURBED BY THE CONTRACTOR OUTSIDE OF THE LIMITS SHOWN SHALL BE SEEDED AND MULCHED PER THE SPECIFICATIONS AS AN INCIDENTAL COST.



*Jaycen R. Herndon*

DATE: 12/2/2024 LICENSE: 11/30/2025  
SIGNED: EXPIRES:

**RECONSTRUCT  
AIRCRAFT T-HANGAR  
ACCESS PAVEMENTS**

IDA No: VLA-5044


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024

PROJECT NO: 22A0006D

CAD FILE: C-701-PNP.DWG

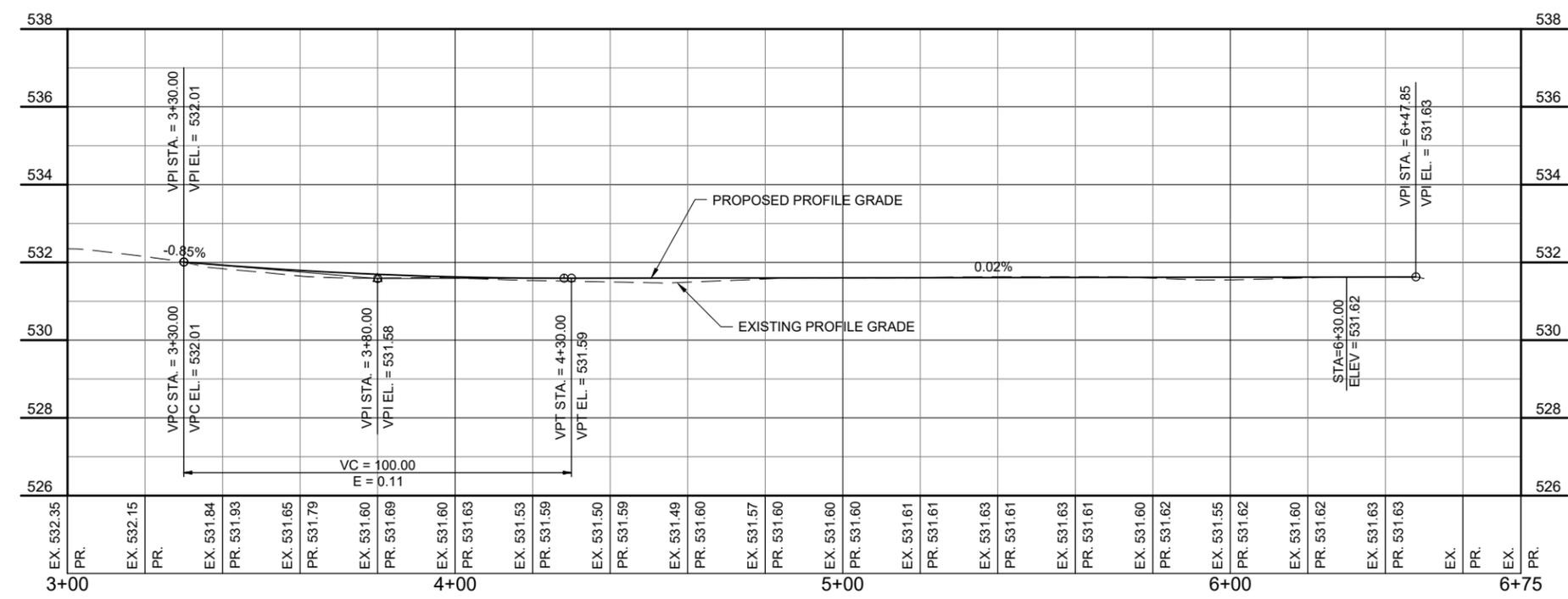
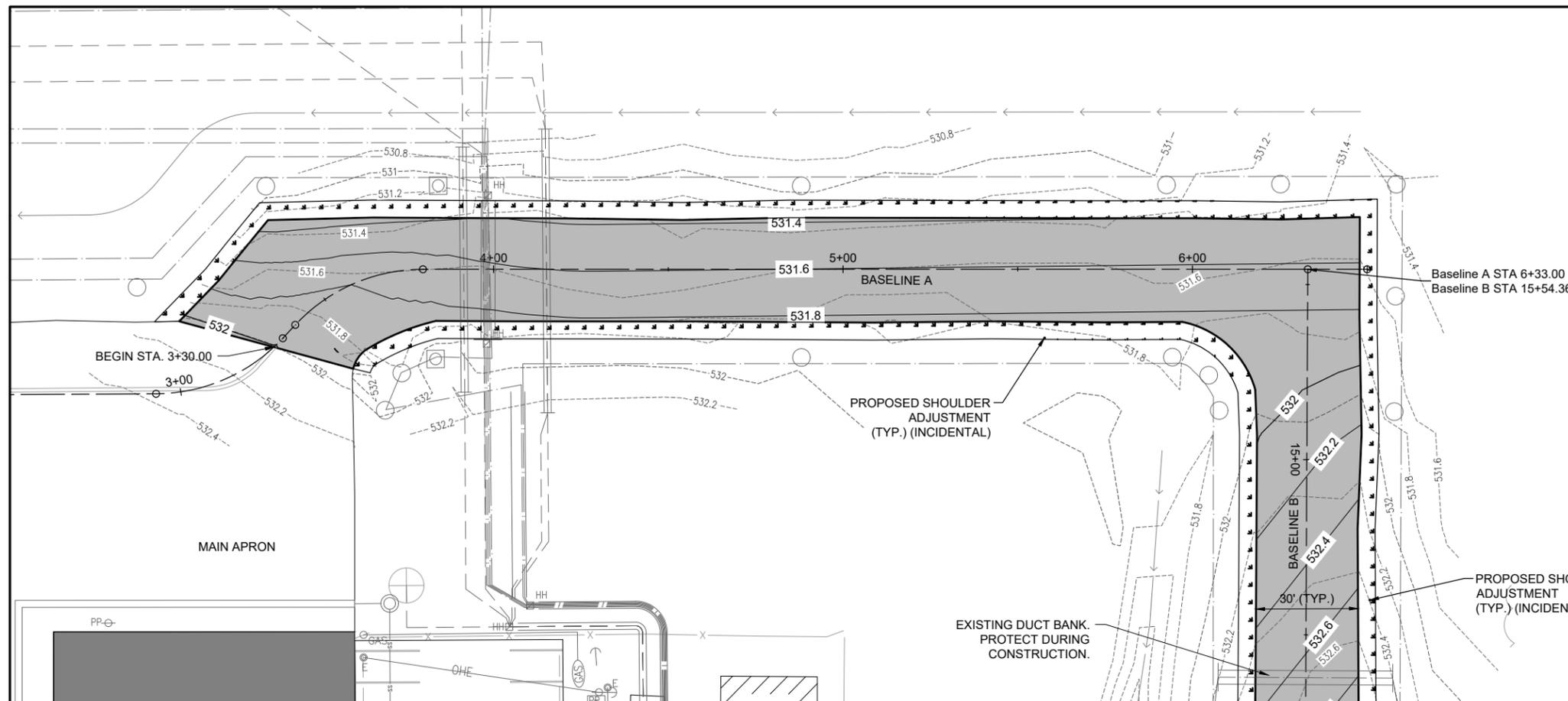
DESIGN BY: JRH 3/10/2023

DRAWN BY: JRH 3/17/2023

REVIEWED BY: BSS 4/21/2023

SHEET TITLE

**PROPOSED PLAN &  
PROFILE - BASELINE A**



DEC 02, 2024 1:34 PM HERND01562  
I:\22\JOBS\22A0006D\CAD\AIRPORT\SHEET\C-701-PNP

**FOR BID**



**LEGEND**

- EXISTING AIRPORT BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED SHOULDER ADJUSTMENT/SEEDING/MULCHING

**NOTE:**

1. AREAS NOTED "SHOULDER ADJUSTMENT" SHALL RECEIVE SEEDING AND MULCHING AFTER AREA HAS BEEN GRADED.
2. THE CONTRACTOR SHALL MAINTAIN PROPER SITE DRAINAGE CONDITIONS THROUGHOUT THE PROJECT.
3. CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING AROUND EXISTING STORM SEWER.
4. ANY AREAS DISTURBED BY THE CONTRACTOR OUTSIDE OF THE LIMITS SHOWN SHALL BE SEEDING AND MULCHED PER THE SPECIFICATIONS AS AN INCIDENTAL COST.



*Jaycen R. Herndon*

DATE: 12/2/2024 LICENSE: 11/30/2025  
SIGNED: 12/2/2024 EXPIRES: 11/30/2025

**RECONSTRUCT  
AIRCRAFT T-HANGAR  
ACCESS PAVEMENTS**

IDA No: VLA-5044

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024

PROJECT NO: 22A0006D

CAD FILE: C-701-PNP.DWG

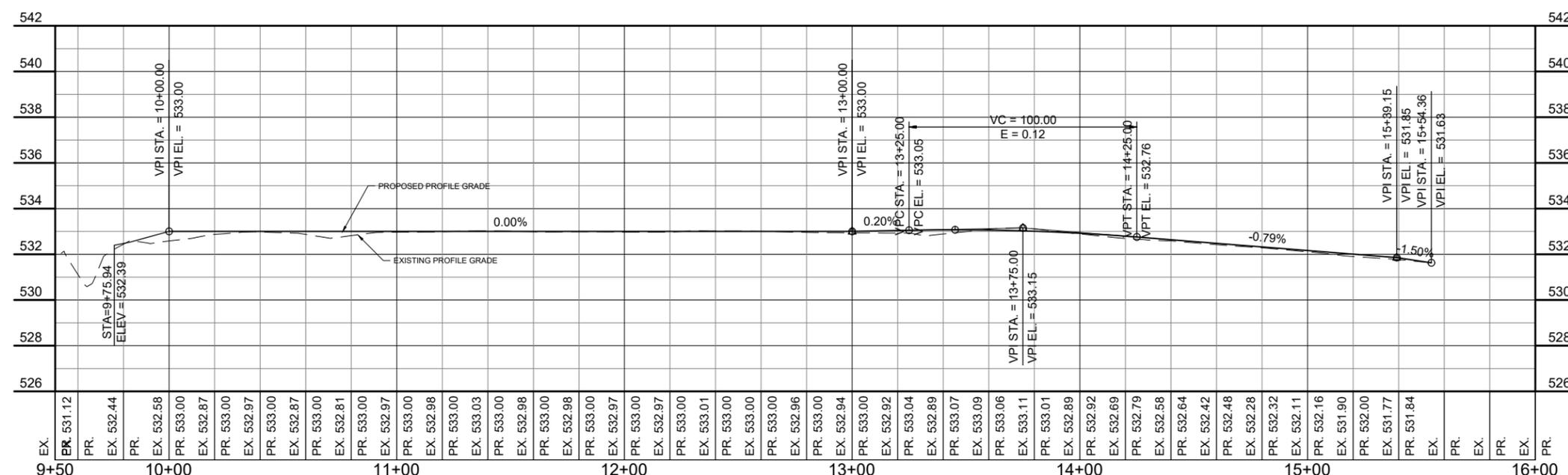
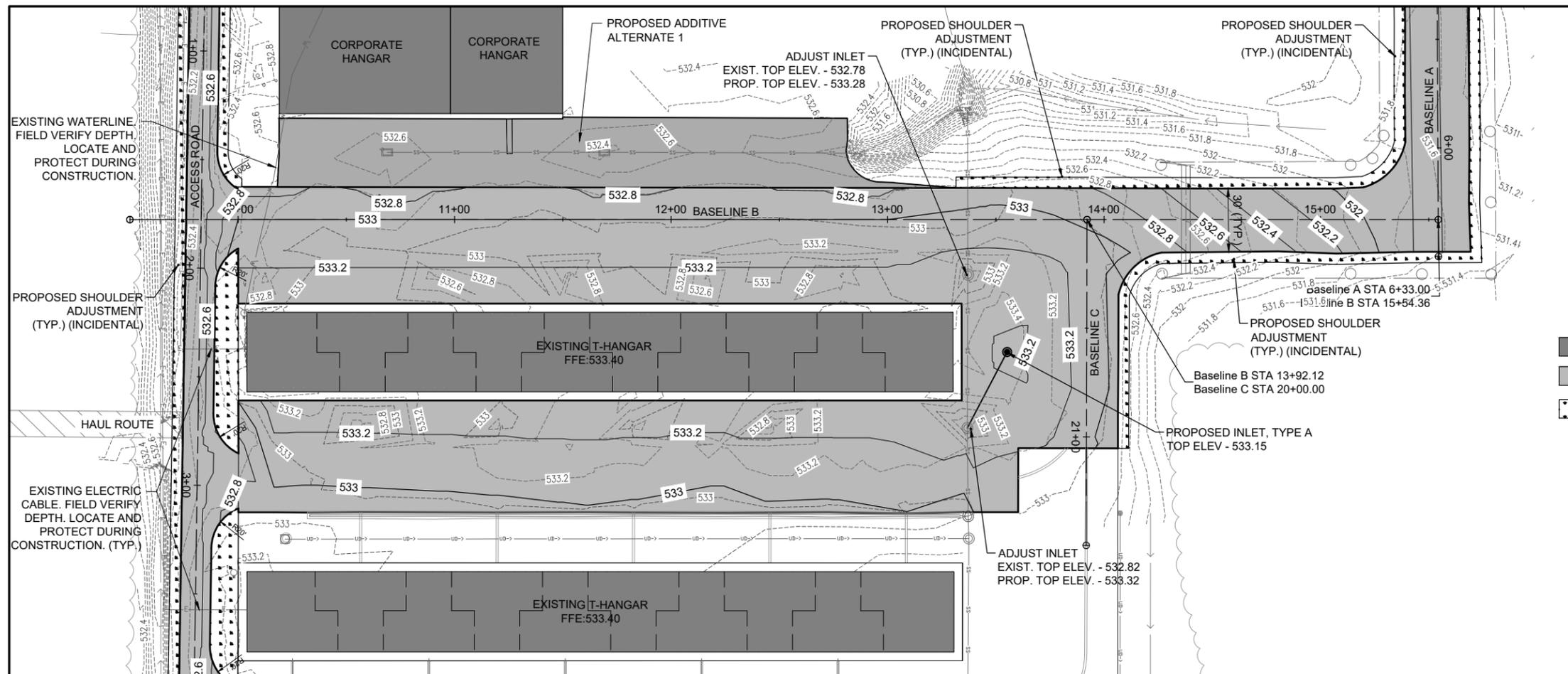
DESIGN BY: JRH 3/10/2023

DRAWN BY: JRH 3/17/2023

REVIEWED BY: BSS 4/21/2023

SHEET TITLE

**PROPOSED PLAN &  
PROFILE - BASELINE B**



DEC 02, 2024 1:34 PM HERND01562  
I:\22\JOBS\22A0006D\CAD\AIRPORT\T-SHEET\C-701-PNP

**FOR BID**



**LEGEND**

- EXISTING AIRPORT BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED SHOULDER ADJUSTMENT/SEEDING/MULCHING

**NOTE:**

1. AREAS NOTED "SHOULDER ADJUSTMENT" SHALL RECEIVE SEEDING AND MULCHING AFTER AREA HAS BEEN GRADED.
2. THE CONTRACTOR SHALL MAINTAIN PROPER SITE DRAINAGE CONDITIONS THROUGHOUT THE PROJECT.
3. CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING AROUND EXISTING STORM SEWER.
4. ANY AREAS DISTURBED BY THE CONTRACTOR OUTSIDE OF THE LIMITS SHOWN SHALL BE SEEDED AND MULCHED PER THE SPECIFICATIONS AS AN INCIDENTAL COST.



*Jaycen R. Herndon*

DATE SIGNED: 12/2/2024 LICENSE EXPIRES: 11/30/2025

**RECONSTRUCT AIRCRAFT T-HANGAR ACCESS PAVEMENTS**

IDA No: VLA-5044

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024

PROJECT NO: 22A0006D

CAD FILE: C-701-PNP.DWG

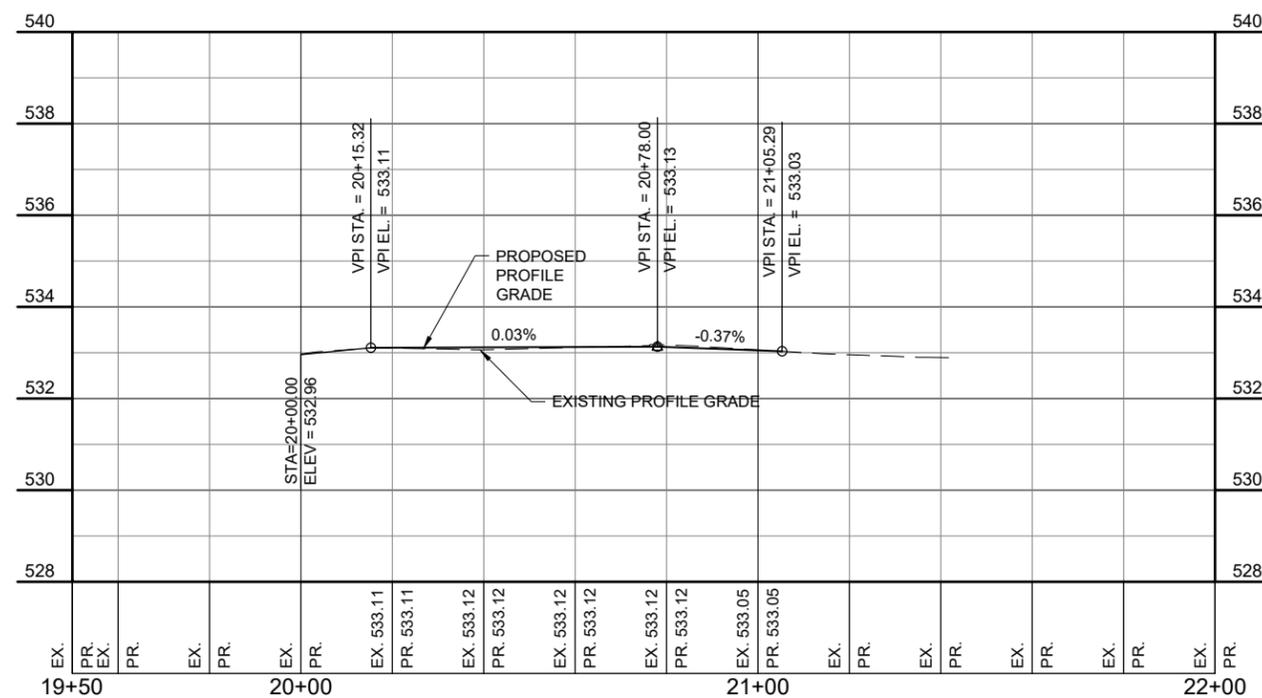
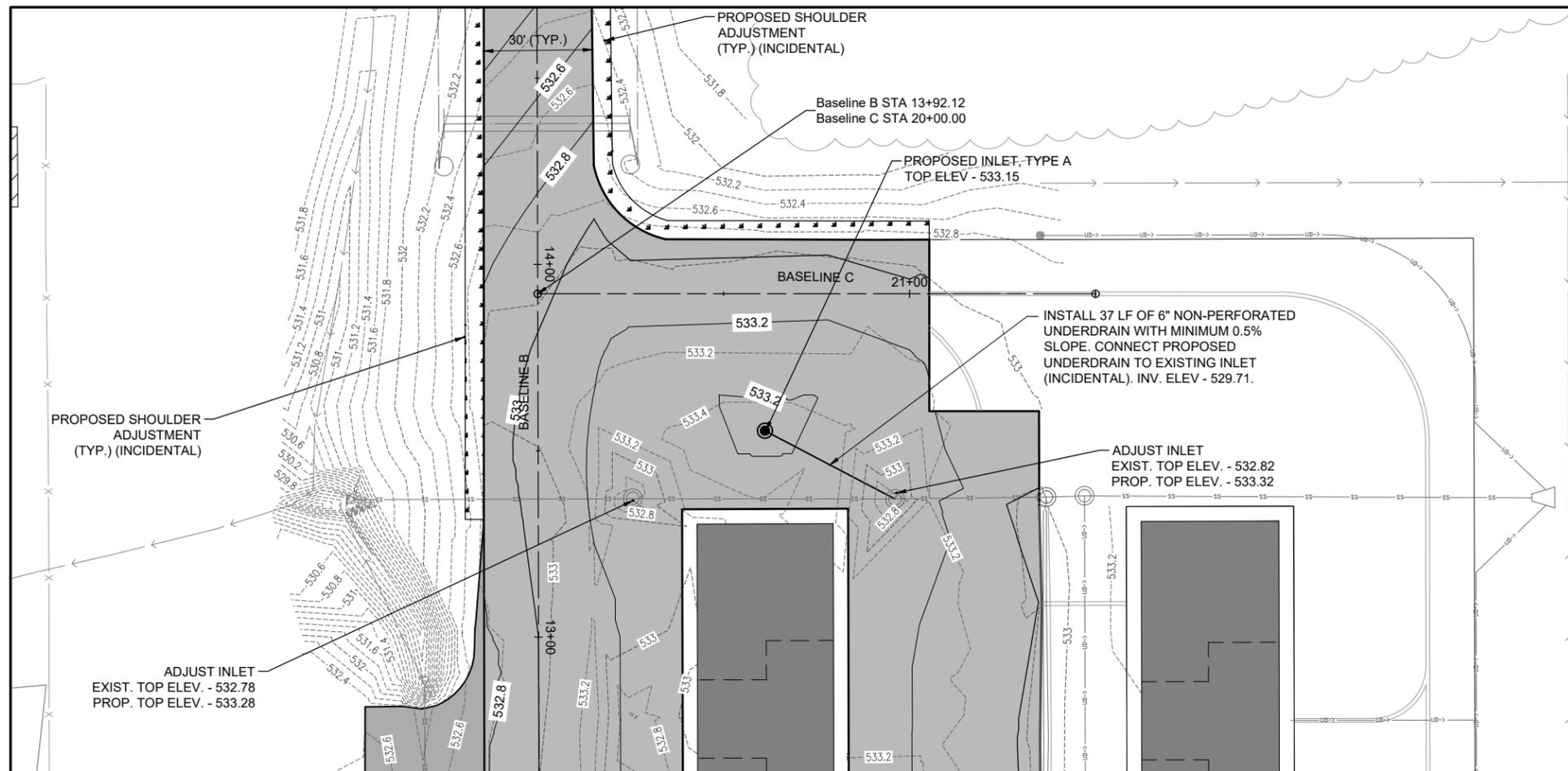
DESIGN BY: JRH 3/10/2023

DRAWN BY: JRH 3/17/2023

REVIEWED BY: BSS 4/21/2023

SHEET TITLE

**PROPOSED PLAN & PROFILE - BASELINE C**

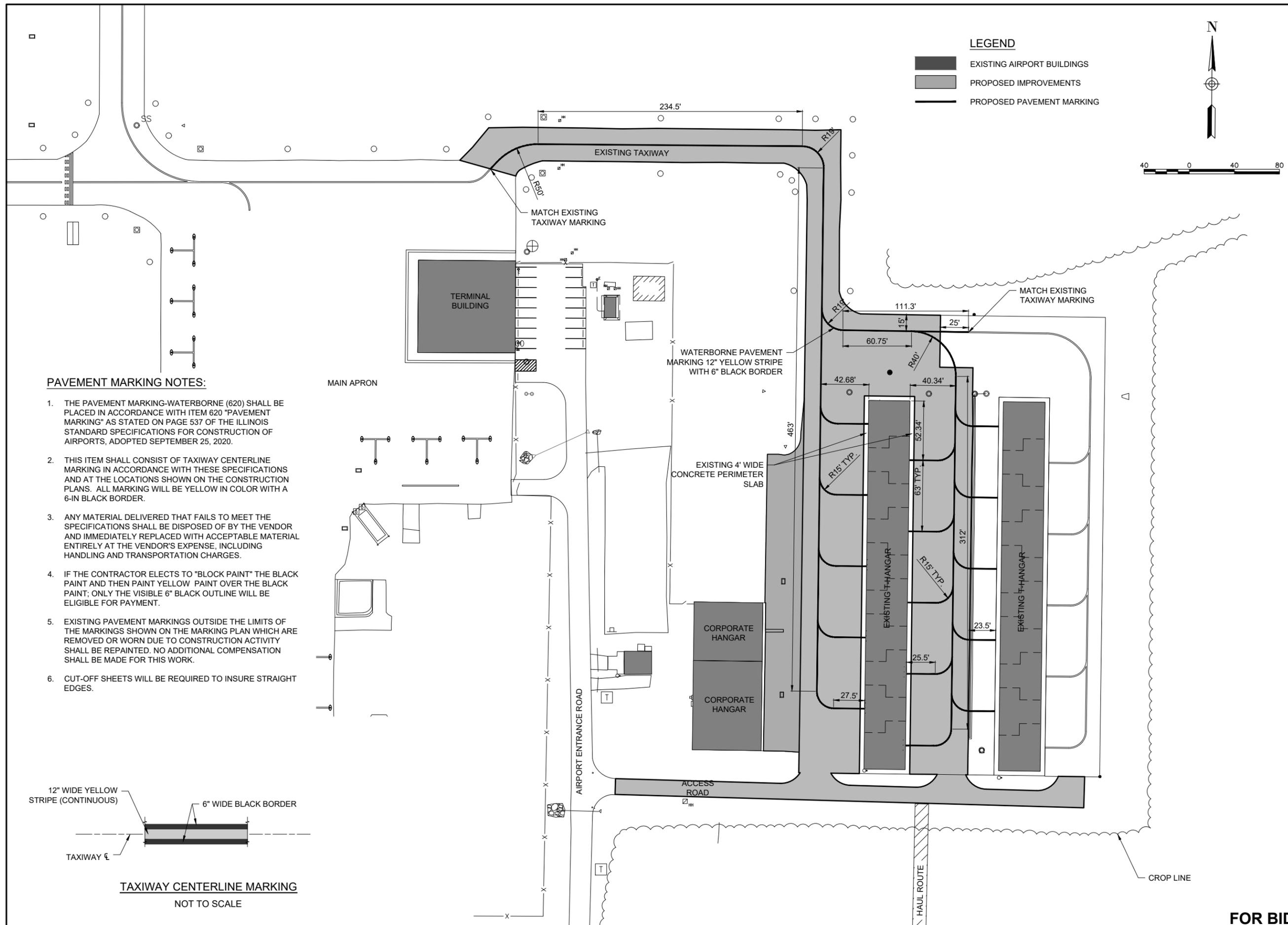






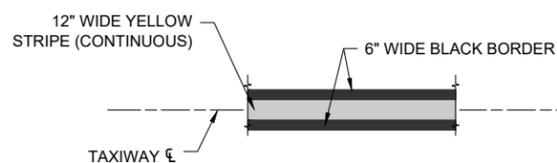
**LEGEND**

- EXISTING AIRPORT BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED PAVEMENT MARKING



**PAVEMENT MARKING NOTES:**

1. THE PAVEMENT MARKING-WATERBORNE (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 537 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED SEPTEMBER 25, 2020.
2. THIS ITEM SHALL CONSIST OF TAXIWAY CENTERLINE MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL MARKING WILL BE YELLOW IN COLOR WITH A 6-IN BLACK BORDER.
3. ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.
4. IF THE CONTRACTOR ELECTS TO "BLOCK PAINT" THE BLACK PAINT AND THEN PAINT YELLOW PAINT OVER THE BLACK PAINT; ONLY THE VISIBLE 6" BLACK OUTLINE WILL BE ELIGIBLE FOR PAYMENT.
5. EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF THE MARKINGS SHOWN ON THE MARKING PLAN WHICH ARE REMOVED OR WORN DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAINTED. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR THIS WORK.
6. CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.



**TAXIWAY CENTERLINE MARKING**  
NOT TO SCALE



*Jaycen R. Herndon*

DATE: 12/2/2024 LICENSE: 11/30/2025  
SIGNED: EXPIRES:

**RECONSTRUCT  
AIRCRAFT T-HANGAR  
ACCESS PAVEMENTS**

IDA No: VLA-5044


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 2, 2024  
PROJECT NO: 22A0006D  
CAD FILE: C-MRKG PLAN-TWY.DWG  
DESIGN BY: JRH 3/10/2023  
DRAWN BY: JRH 3/17/2023  
REVIEWED BY: BSS 4/21/2023

SHEET TITLE

**PROPOSED MARKING  
PLAN**

**FOR BID**