

CONSTRUCTION PLANS - 100% REVIEW, ISSUED MARCH 3, 2023

CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT

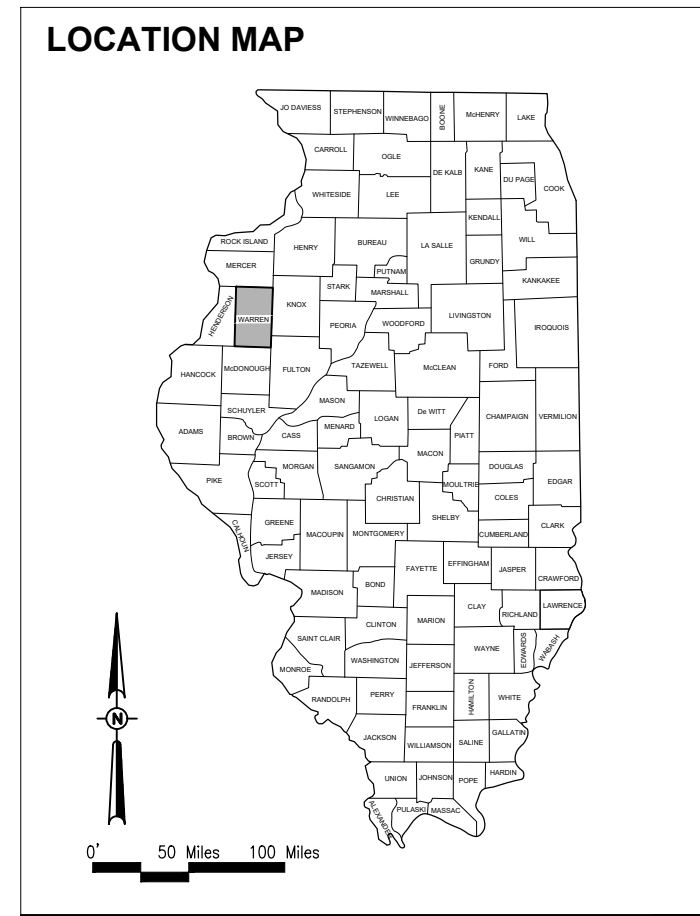
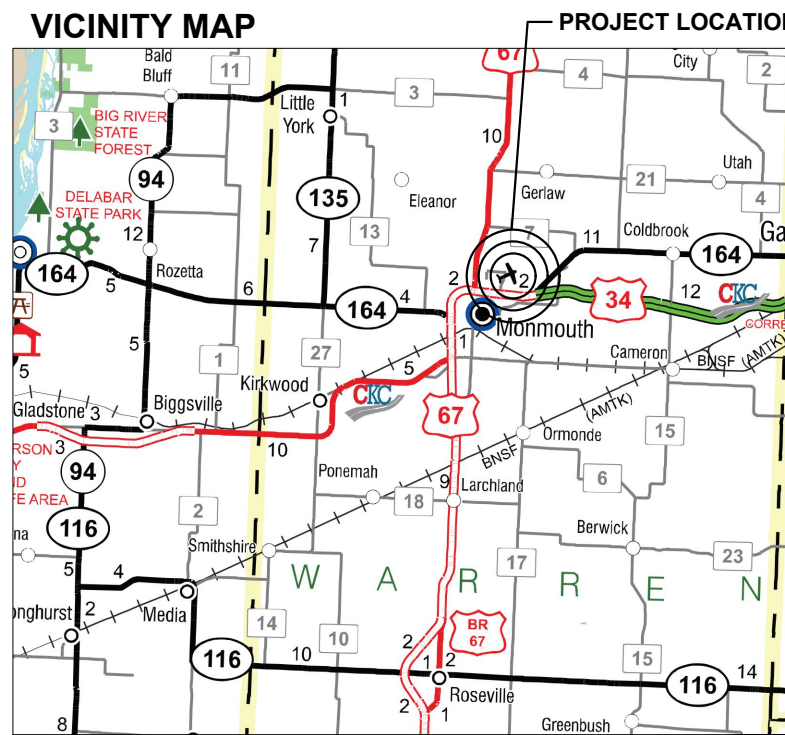
CITY OF MONMOUTH  
MONMOUTH MUNICIPAL AIRPORT (C66)  
MONMOUTH, WARREN COUNTY, ILLINOIS

IDA PROJECT NO. C66-5009  
MARCH 3, 2023  
100% SUBMITTAL

**SCOPE OF WORK:**  
THIS PROJECT CONSISTS OF CONSTRUCTING A NEW WESTERN ENTRANCE ROAD FROM 6TH STREET AND AN AUTO PARKING LOT; INCLUDING LIGHTING, FENCING AND UTILITIES.

NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.



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No.	Issue/Description	Sheets Changed	Date	By

*Jay Herndon*  
Jaycen R. Herndon, P.E.  
Civil Engineer  
03/03/2023  
Date

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*Jeffrey M. Olsen*  
Jeffrey M. Olsen, P.E.  
Project Manager  
03/03/2023  
Date

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Monmouth, Illinois 61462-1764  
Telephone: 309.734.2141

*Annette St. Ledger*  
Annette St. Ledger  
Airport Manager  
3/2/23  
Date

SUMMARY OF QUANTITIES				
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	C.Y.	220	
AR156531	EROSION CONTROL BLANKET	SQ YD	912	
AR209608	CRUSHED AGG. BASE COURSE - 8"	SQ YD	1,175	
AR401613	BIT. SURF. CSE.-METHOD I, SUPERPAVE	TON	247	
AR401655	BUTT JOINT CONSTRUCTION	SQ YD	20	
AR401900	REMOVE BITUMINOUS PAVEMENT	SQ YD	133	
AR403613	BIT. BASE CSE.-METHOD I, SUPERPAVE	TON	120	
AR501604	4" PCC SIDEWALK	S.F.	769	
AR602510	BITUMINOUS PRIME COAT	GALLON	371	
AR603510	BITUMINOUS TACK COAT	GALLON	321	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	100	
AR701515	15" RCP, CLASS IV	FOOT	24	
AR701900	REMOVE PIPE	FOOT	23	
AR800424	INSTALL INFORMATION SIGN	EACH	1	
AR901510	SEEDING	ACRE	0.19	
AR910410	PARKING BLOCK	EACH	10	

INDEX TO SHEETS	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	SCOPE OF WORK
4	CONSTRUCTION SAFETY AND PHASING PLAN
5	CONSTRUCTION SAFETY AND PHASING DETAILS AND NOTES
6	TYPICAL SECTIONS - SHEET 1
7	TYPICAL SECTIONS - SHEET 2
8	PROPOSED ALIGNMENT DATA AND REMOVAL PLAN
9	PROPOSED CONSTRUCTION PLAN
10	PROPOSED WATERMAIN INSTALLATION SHEET - ADD ALT 1
11	PROPOSED PLAN AND PROFILE
12	PROPOSED MARKING PLAN
13	PROPOSED CROSS SECTIONS

SUMMARY OF QUANTITIES (ADDITIVE ALTERNATE BID #1)				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AS800579	WATER MAIN INSTALLATION - COMPLETE	L SUM	1	



DATE SIGNED: \_\_\_\_\_ LICENSE EXPIRES: \_\_\_\_\_

CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT

IDA NO: C66-5009

CONTRACT NO: MO007

EARTHWORK QUANTITY SUMMARY				
WORK AREA	CUT (CY)	FILL (CY)	FILL + 20% (CY)	NET (CY)
ACCESS ROAD	143	184	220**	77 (BORROW)

\*\* USED TO CALCULATE AR152410 PAY ITEM QUANTITIES

**EARTHWORK NOTES:**

- EARTHWORK 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.
- BORROW MATERIAL IS ANTICIPATED TO COME FROM A STOCKPILE IN A LOCATION SHOWN ON THE PLAN AND PROFILE SHEET. COORDINATE WITH THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN.

**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.

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 10, 2023  
 PROJECT NO: 22A0077  
 CAD FILE: G-002-FLP.DWG  
 DESIGN BY: JRH 1/10/2023  
 DRAWN BY: JRH 1/10/2023  
 REVIEWED BY: JMO 03/03/2023

SHEET TITLE \_\_\_\_\_

SUMMARY OF QUANTITIES AND INDEX TO SHEETS

**FOR BID**

**GENERAL NOTES**

- 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.
- WORK FOR THIS PROJECT SHALL CONSIST OF, BUT IS NOT LIMITED TO, CONSTRUCTING A NEW WESTERN ENTRANCE ROAD FROM 6TH STREET AND AN AUTO PARKING LOT, INCLUDING PAVEMENT MILLING, BITUMINOUS PAVING, PAVEMENT MARKING, LIGHTING, FENCING AND OTHER ASSOCIATED ITEMS.
- 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. 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.
- 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.
- THE CONSTRUCTION ENTRANCE AS SHOWN ON THE SCOPE OF WORK AND/OR SAFETY PHASING PLAN ARE ONLY TO BE USED FOR THE PROJECT. ACCESS TO THE PROJECT FOR ALL HAULING OF MATERIALS AND EQUIPMENT SHALL BE RESTRICTED TO THE DESIGNATED CONSTRUCTION ENTRANCE.
- 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.
- NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR HAUL ROUTE.
- CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
- UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE GRADED, SEEDED AND MULCHED, OR HYDROMULCH SEEDED, AT NO ADDITIONAL COST TO THE CONTRACT.
- EXCESS EXCAVATION MATERIAL SHALL BE PLACED AT A LOCATION ON AIRPORT PROPERTY TO BE DETERMINED BY THE AIRPORT MANAGER. ALL OTHER WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HEREIN.
- 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 THEIR CONSTRUCTION EQUIPMENT OR PERSONNEL.
- THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
- THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER/TECHNICIAN SO THEY MAY DEVELOP ONE SET OF RELINED AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL NOTE THAT ALL AREAS WITHIN THE AIRPORT PROPERTY LINE AND OUTSIDE THE CONSTRUCTION LIMITS MAY BE USED FOR AGRICULTURAL PURPOSES. 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. ALL AREAS WHICH HAVE BEEN FARMED AND/OR DESIGNATED TO BE FARMED AFTER THE PROJECT COMPLETION, AND HAVE BEEN DISTURBED BY CONSTRUCTION ACTIVITY, SHALL BE CHISEL PLOWED (36" MAX.) OR OTHERWISE SCARIFIED TO RETURN THE AREA TO A REASONABLE TILLABLE CONDITION (IF SO PERMITTED BY THE AIRPORT MANAGER.)
- CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL GRASS, STONE, OR PAVEMENT DISTURBED BY CONTRACTOR'S CONSTRUCTION OPERATIONS, STAGING, AND CONSTRUCTION ACCESS ROUTES. DISTURBED AREAS TO BE REPAIRED, GRADED, AND MULCHED SEEDED UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE INCLUDED IN THE COST OF THE HAUL ROUTE.
- APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. 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.
- THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY THEIR 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 THEIR 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/OR THE RESIDENT ENGINEER 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/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

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

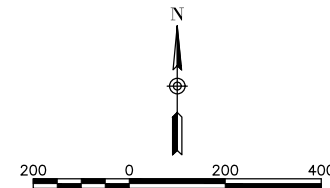
C66 CTAF/UNICOM FREQUENCY = 122.80 Mhz

COUNTY.....WARREN  
 CITY.....MONMOUTH  
 TOWNSHIP.....MONMOUTH  
 SECTION NO.....20 & 21  
 ADDRESS.....MONMOUTH MUNICIPAL AIRPORT  
 1320 N 11TH ST.  
 MONMOUTH, ILLINOIS 61462

SURVEY CONTROL POINT DATA				
POINT #	DESCRIPTION	LATITUDE	LONGITUDE	ELEVATION
1	NGS MONPORT AZ MK	N040° 55' 33.35"	W090° 37' 56.56"	751.66
2	NGS MONPORT	N040° 55' 49.80"	W090° 37' 47.33"	748.52

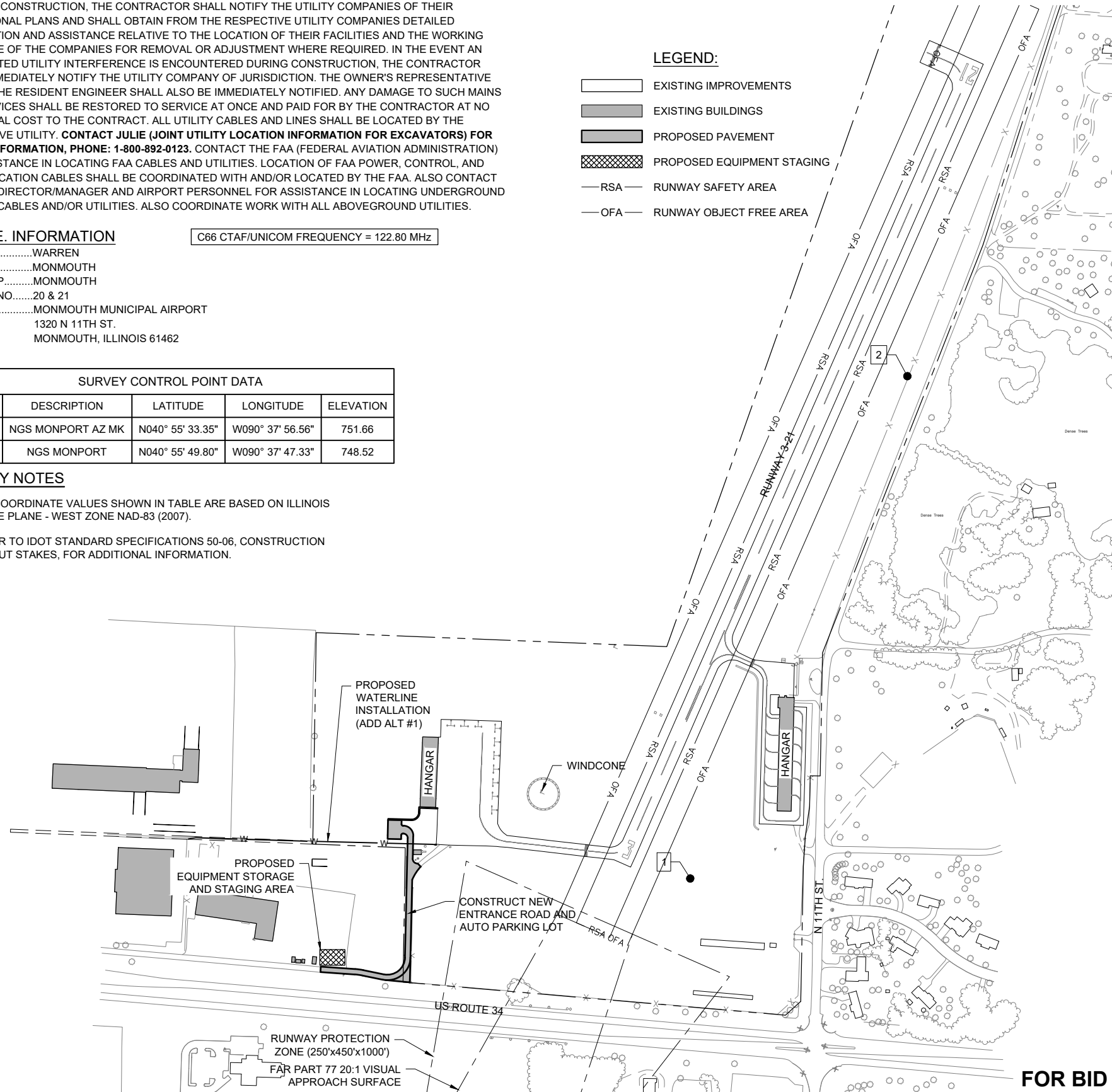
**SURVEY NOTES**

- ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE - WEST ZONE NAD-83 (2007).
- REFER TO IDOT STANDARD SPECIFICATIONS 50-06, CONSTRUCTION LAYOUT STAKES, FOR ADDITIONAL INFORMATION.



**LEGEND:**

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- PROPOSED EQUIPMENT STAGING
- RSA - RUNWAY SAFETY AREA
- OFA - RUNWAY OBJECT FREE AREA



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Illinois Licensed  
 Professional Service Corporation  
 #184-001084

**Monmouth Municipal Airport**

City of Monmouth  
 100 E. Broadway  
 Monmouth, IL 61462-1764  
 Telephone: 309.734.2141



DATE SIGNED: \_\_\_\_\_ LICENSE EXPIRES: \_\_\_\_\_

**CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT**

IDA NO: C66-5009

CONTRACT NO: MO007


NO. DATE DESCRIPTION  
DES DWN REV  
 ISSUE: JANUARY 10, 2023  
 PROJECT NO: 22A0077  
 CAD FILE: G-003-SOW.DWG  
 DESIGN BY: JRH 1/10/2023  
 DRAWN BY: JRH 1/10/2023  
 REVIEWED BY: JMO 03/03/2023

SHEET TITLE

**SCOPE OF WORK**

**FOR BID**

**PROPOSED SAFETY PLAN**

GENERAL - THE MONMOUTH MUNICIPAL AIRPORT IS COMPRISED OF ONE RUNWAY. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING THIS RUNWAY.

IDENTIFICATION - WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.80 MHz) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE MONMOUTH MUNICIPAL AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR THEIR PERSONNEL.

C66 CTAF/UNICOM FREQUENCY = 122.80 MHZ

**SAFETY PLAN COMPLIANCE DOCUMENT**

PRIOR TO THE ISSUANCE OF A CONSTRUCTION NOTICE-TO-PROCEED (NTP), THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A SAFETY PLAN COMPLIANCE DOCUMENT IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G, PARAGRAPH 2.4.2, OR EQUIVALENT SECTION IN SUBSEQUENT/CURRENT ISSUE. THE AIRPORT DIRECTOR SHALL APPROVE THIS DOCUMENT AND SUBMIT TO THE AIRPORT AUTHORITY FOR APPROVAL PRIOR TO THE NTP ISSUANCE.

**AIRPORT SECURITY NOTE**

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE THE EXISTING GATE AT THE END OF EACH WORKING DAY. THE CONTRACTOR WILL PROVIDE A CABLE AND 2 POSTS OR OTHER APPROVED METHOD TO PREVENT READY ACCESS TO THE HAUL ROUTE AND AIRFIELD PAVEMENTS.

**HEIGHT OF CONSTRUCTION EQUIPMENT**

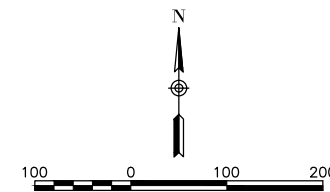
THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET, WHICH IS EXPECTED TO BE A TRACTOR AND TRAILER FULLY EXTENDED OR A LINE TRUCK.

**EROSION CONTROL**

THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE, A N.P.D.E.S. PERMIT WILL NOT BE REQUIRED.

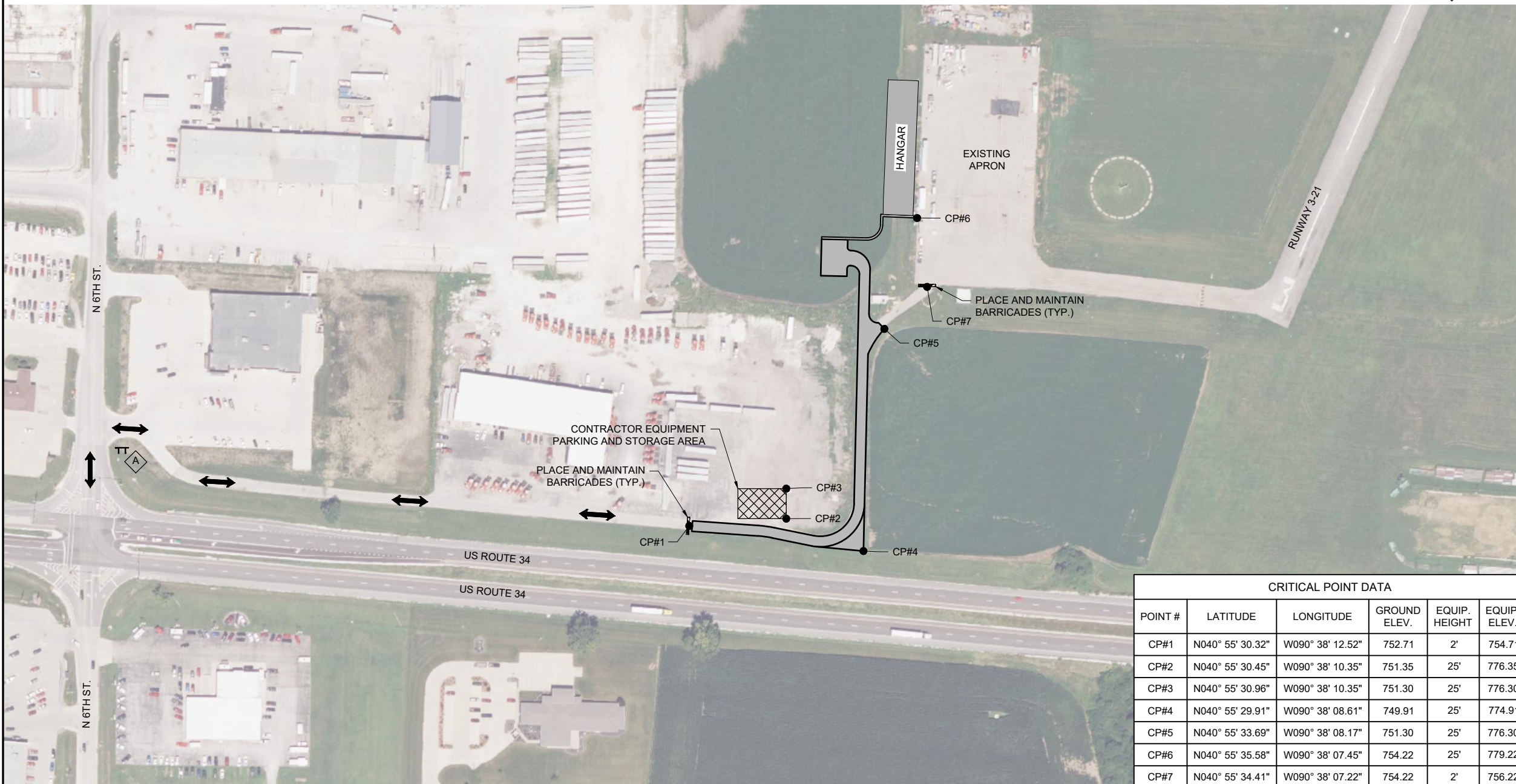
**SAFETY PLAN NOTES**

- BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
- AT ALL TIMES, THE CONTRACTOR'S OPERATIONS SHALL BE SUCH AS TO MINIMIZE DISRUPTION TO AIRPORT TRAFFIC.
- AIRPORT SECURITY SHALL BE MAINTAINED THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESTRICTED TO THE DESIGNATED WORK AREAS. THE CONTRACTOR SHALL ENSURE THAT ACCESS POINTS USED BY CONSTRUCTION VEHICLES AND PERSONNEL ARE MONITORED WHEN OPEN AND LOCKED WHEN NOT IN USE TO PREVENT UNAUTHORIZED ACCESS TO THE AIRPORT MOVEMENT AREA.
- AT THE COMPLETION OF ALL WORK AREA CONSTRUCTION, THE HAUL ROUTE AND CONSTRUCTION EQUIPMENT PARKING AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS PER THE SPECIFICATIONS.
- THE COSTS FOR PROVISION, PLACEMENT, MAINTENANCE AND REMOVAL OF BARRICADES AND CLOSURE CROSSES AND ALL ASSOCIATED INCIDENTALS SHALL BE PAID FOR UNDER ITEM AR150520 MOBILIZATION.
- THE COSTS FOR CONSTRUCTION/MAINTENANCE OF HAUL ROUTE AND EQUIPMENT STAGING AREA, TEMPORARY SIGNAGE AND ALL ASSOCIATED INCIDENTALS SHALL BE PAID FOR UNDER ITEM AR150520 MOBILIZATION.
- THE MONMOUTH MUNICIPAL AIRPORT IS COMPRISED OF ONE RUNWAY. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING RUNWAY 3-21.
- ANOTHER PROJECT MAY BE ACTIVE AT THE SAME TIME AS THIS CONTRACT. COORDINATION BETWEEN THE CONTRACTS IS MANDATORY. NO TIME EXTENSIONS OR CHANGE ORDERS WILL BE PROCESSED DUE TO LACK OF COORDINATION BETWEEN CONTRACTS. ANY POTENTIAL DELAYS OR CONFLICTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER/TECHNICIAN.



**LEGEND:**

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- CONSTRUCTION STAGING AREA
- HAUL ROUTE
- PROPOSED BARRICADES
- PROPOSED CRITICAL POINTS
- TEMPORARY CONSTRUCTION SIGN



CRITICAL POINT DATA						
POINT #	LATITUDE	LONGITUDE	GROUND ELEV.	EQUIP. HEIGHT	EQUIP. ELEV.	
CP#1	N040° 55' 30.32"	W090° 38' 12.52"	752.71	2'	754.71	
CP#2	N040° 55' 30.45"	W090° 38' 10.35"	751.35	25'	776.35	
CP#3	N040° 55' 30.96"	W090° 38' 10.35"	751.30	25'	776.30	
CP#4	N040° 55' 29.91"	W090° 38' 08.61"	749.91	25'	774.91	
CP#5	N040° 55' 33.69"	W090° 38' 08.17"	751.30	25'	776.30	
CP#6	N040° 55' 35.58"	W090° 38' 07.45"	754.22	25'	779.22	
CP#7	N040° 55' 34.41"	W090° 38' 07.22"	754.22	2'	756.22	

**FOR BID**



Engineering | Planning | Allied Services

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Offices Nationwide  
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Professional Service Corporation  
#184-001084

**Monmouth Municipal Airport**

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Telephone: 309.734.2141



DATE SIGNED: \_\_\_\_\_ LICENSE EXPIRES: \_\_\_\_\_

**CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT**

IDA NO: C66-5009

CONTRACT NO: MO007


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 10, 2023

PROJECT NO: 22A0077

CAD FILE: G-004-SFY.DWG

DESIGN BY: JRH 1/10/2023

DRAWN BY: JRH 1/10/2023

REVIEWED BY: JMO 03/03/2023

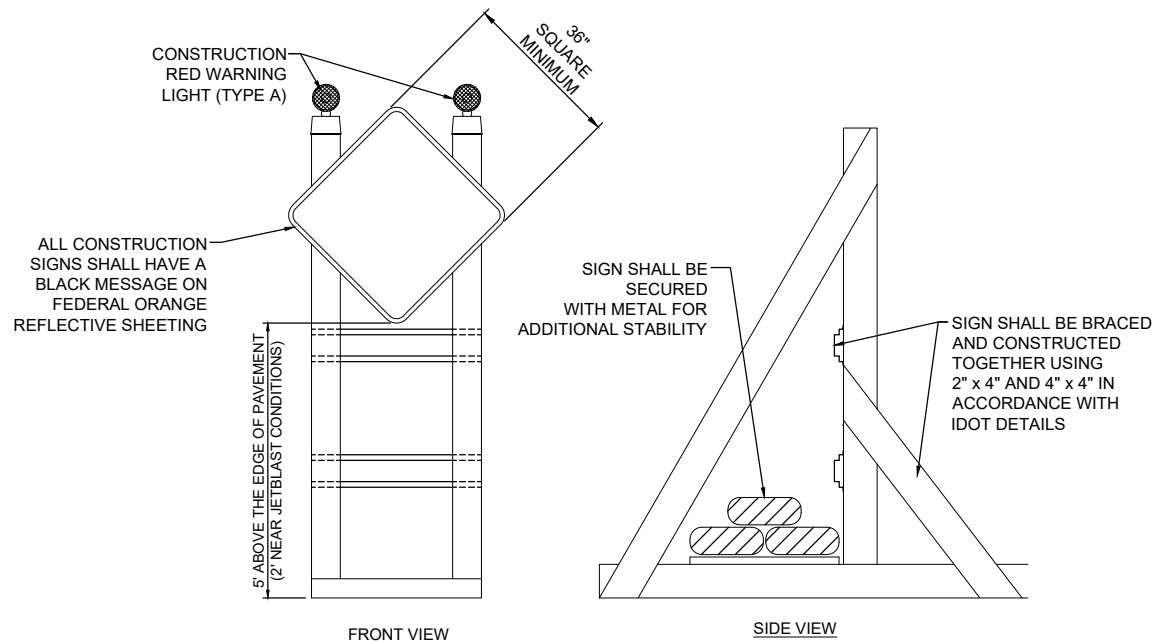
SHEET TITLE

**CONSTRUCTION SAFETY AND PHASING PLAN**

MAR 16, 2023 9:52 AM DUDAS01944  
I:\22\JOBS\22A007\7DCAD\AIRPORT\SHEET\G-004-SFY



W20-3  
48" x 48" A

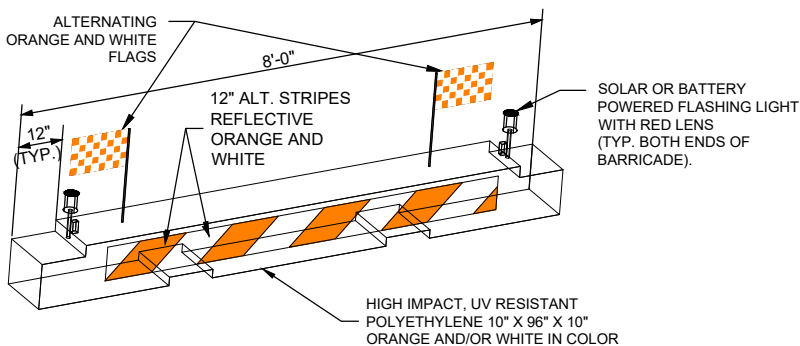


**SIGNAGE NOTES**

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- UNLESS OTHERWISE SPECIFIED, CONSTRUCTION SIGNS SHALL BE MOUNTED ON PORTABLE OR NON-PORTABLE SUPPORTS. A PORTABLE SUPPORT IS DEFINED AS A TYPICAL SIGN STANDARD AS SHOWN ON THIS SHEET, OR A SMALL LIGHT WEIGHT TRAILER. A NON-PORTABLE SUPPORT IS DEFINED AS DRIVEN METAL OR WOOD POST. ALL SIGNS, REGARDLESS OF THE TYPE OF SUPPORTS USED, SHALL BE MOUNTED SUCH THAT THE MESSAGE ON THE SIGN IS LEVEL IN THE HORIZONTAL PLANE AFTER PLACEMENT. THE COST OF CONSTRUCTION WARNING LIGHTS SHALL BE INCLUDED IN THE COST OF THE CONSTRUCTION SIGNS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY ARE TO BE USED IN A LOW INTENSITY FLASHING MODE (TYPE A).
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING SIGNS SHALL BE INCLUDED IN ITEM AR150540 HAUL ROUTE.

**BARRICADE NOTES**

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- BARRICADES SHALL BE "LOW-PROFILE" WITH A MAXIMUM HEIGHT OF 18" ABOVE GROUND, EXCLUSIVE OF ASSOCIATED WARNING LIGHTS AND FLAGS.
- BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT, WITH GAPS BETWEEN BARRICADES NOT TO EXCEED 4' WIDE. BARRICADES ARE TO BE SET BACK 66' FROM THE ACTIVE TAXIWAY CENTERLINE OR AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR BEFORE SUNSET AND 1/2 HOUR AFTER SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.
- COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING BARRICADES SHALL BE PAID FOR UNDER ITEM AR150520 - MOBILIZATION.



**LOW-PROFILE BARRICADE DETAIL**  
NOT TO SCALE

DETAIL ABOVE REPRESENTS ONE OPTION FOR LOW-PROFILE BARRICADES. OTHER OPTIONS MAY BE UTILIZED AS LONG AS THEY MEET THE REQUIREMENTS OF THE PROJECT, INCLUDING BARRICADE NOTE 1.

**SAFETY NOTES**

- THE FOLLOWING NOTES ARE THE CONSTRUCTION SAFETY PROCEDURES THAT THE CONTRACTOR SHALL FOLLOW THROUGHOUT THIS PROJECT. ADDITIONAL REQUIREMENTS ARE SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEET AND THIS SHEET.
- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2G (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT.
- THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEETS.
- NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW.
- 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 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" LATEST EDITION.
- NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 125' OF ANY ACTIVE RUNWAY CENTERLINE, WITHIN 44.5' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA (EX. TAXIWAY), OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS 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 AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2G, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- NO OPEN TRENCHES WITHIN 125' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 44.5' OF ANY TAXIWAY CENTERLINE WILL BE PERMITTED UNLESS APPROPRIATELY BACKFILLED OR COVERED. COVERING FOR OPEN TRENCHES MUST BE DESIGNED TO ALLOW SAFE OPERATIONS OF THE HEAVIEST AIRCRAFT OPERATING ON THE RUNWAY/TAXIWAY ACROSS THE TRENCH WITHOUT DAMAGING THE AIRCRAFT. OTHER TRENCHES SHALL BE MAINTAINED SAFE, I.E., BARRICADED OR COVERED WITH STEEL PLATES IN ALL OTHER AREAS.
- OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT UNLESS PERMITTED WITH THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRACKED 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 RESIDENT ENGINEER/TECHNICIAN. 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.
- CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE.
- CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE RUNWAY, INCLUDING TURF RUNWAYS. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 125' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 44.5' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON. HOWEVER, CONSTRUCTION MAY BE PERMITTED IN THESE AREAS IF THE CONTRACTOR HAS GAINED APPROVAL FROM THE AIRPORT MANAGER AT LEAST 7 DAYS IN ADVANCE OF THE SCHEDULED CONSTRUCTION PERIOD AND THE OPERATIONAL AREA IS CLOSED TO TRAFFIC AND PROPER NOTAMS ARE ISSUED BY THE AIRPORT MANAGER TO THE APPROPRIATE FLIGHT SERVICE STATION.
- UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.



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Monmouth, IL 61462-1764  
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**CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT**

IDA NO: C66-5009

CONTRACT NO: MO007


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 10, 2023  
PROJECT NO: 22A0077  
CAD FILE: G-004-SFY.DWG  
DESIGN BY: JRH 1/10/2023  
DRAWN BY: JRH 1/10/2023  
REVIEWED BY: JMO 03/03/2023

SHEET TITLE

**CONSTRUCTION SAFETY AND PHASING DETAILS AND NOTES**

**FOR BID**



DATE SIGNED: LICENSE EXPIRES:

**CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT**

IDA NO: C66-5009

CONTRACT NO: MO007

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 10, 2023

PROJECT NO: 22A0077

CAD FILE: C-301-TYP.DWG

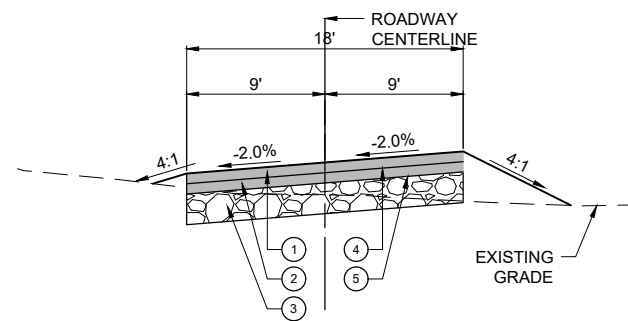
DESIGN BY: JRH 1/10/2023

DRAWN BY: JRH 1/10/2023

REVIEWED BY: JMO 03/03/2023

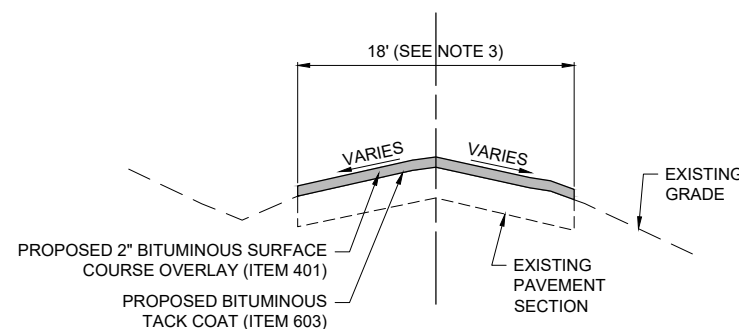
SHEET TITLE

**TYPICAL SECTIONS - SHEET 1**



**PROPOSED TYPICAL SECTION - NEW ACCESS ROAD**  
STA. 14+85 TO STA. 16+94  
NOT TO SCALE

- ① PROPOSED 2" BITUMINOUS SURFACE COURSE (ITEM 401)
- ② PROPOSED 2" BITUMINOUS BASE COURSE (ITEM 403)
- ③ PROPOSED 8" AGGREGATE BASE COURSE (ITEM 209)
- ④ PROPOSED BITUMINOUS TACK COAT (ITEM 603)
- ⑤ PROPOSED BITUMINOUS PRIME COAT (ITEM 601)



**PROPOSED TYPICAL SECTION - EXISTING ACCESS ROAD**  
STA. 9+25 TO STA. 14+85  
NOT TO SCALE

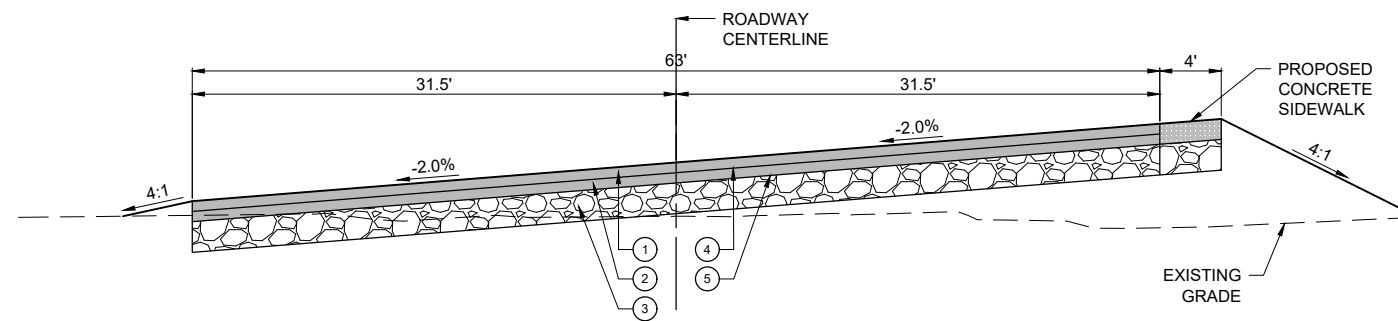
**NOTES:**

1. EXISTING SECTION FOR THE ACCESS ROAD IS ANTICIPATED TO BE APPROXIMATELY 2" OF BITUMINOUS OF AN AGGREGATE BASE.
2. PRIOR TO OVERLAY, EXISTING VEGETATIVE OVERGROWTH WITHIN THE ROAD LIMITS SHALL BE REMOVED.
3. DUE TO VEGETATIVE OVERGROWTH, THE WIDTH OF THE VISIBLE PORTION OF THE ACCESS ROAD VARIES. PLAN QUANTITIES REFLECT 18' WIDTH FOR PROPOSED BITUMINOUS OVERLAY. CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR PAVING EXISTING PAVEMENT WIDTH UP TO 18' WIDE UNLESS OTHERWISE NOTED ON PLAN.
4. CONTRACTOR SHALL MAINTAIN A CONTINUOUS PAVING OPERATION AS MUCH AS IS FEASIBLE.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

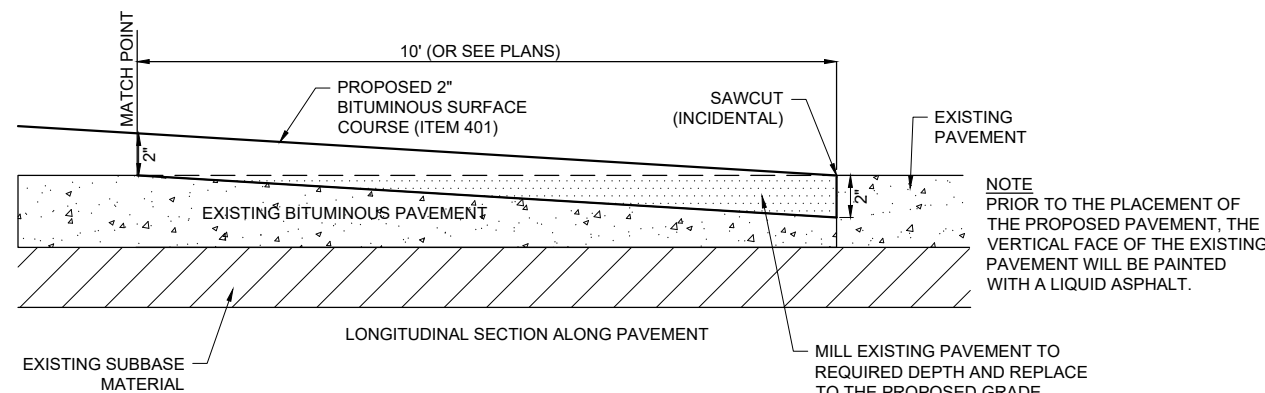
ITEM	MIXTURE TYPE	AIR VOIDS (%) @ Ndes
ITEM 401 BIT. SURF. CSE.-METHOD I, SUPERPAVE	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5), - 2" LIFT	4% @ 50 GYR
ITEM 403 BIT. BASE CSE.-METHOD I, SUPERPAVE	HOT-MIX ASPHALT BINDER COURSE, N50 (IL-9.5), - 2" LIFT	4% @ 50 GYR

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE AND BASE QUANTITIES IS 115 LBS/SQ YD/IN. (0.0575 TONS/SQ YD/IN.)
2. THE "AC TYPE" SHALL BE "PG 64-22".
3. SECTION 406 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2022 SHALL GOVERN ALL MATERIAL REQUIREMENTS FOR THIS ITEM.



**PROPOSED TYPICAL SECTION - PARKING LOT**  
NOT TO SCALE

- ① PROPOSED 2" BITUMINOUS SURFACE COURSE (ITEM 401)
- ② PROPOSED 2" BITUMINOUS BASE COURSE (ITEM 403)
- ③ PROPOSED 8" AGGREGATE BASE COURSE (ITEM 209)
- ④ PROPOSED BITUMINOUS TACK COAT (ITEM 603)
- ⑤ PROPOSED BITUMINOUS PRIME COAT (ITEM 601)



**PROPOSED BUTT JOINT DETAIL**  
NOT TO SCALE

**AR401655 BUTT JOINT CONSTRUCTION NOTES**

1. THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 "BUTT JOINT CONSTRUCTION" AS STATED IN THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.
2. THIS ITEM SHALL CONSIST OF REMOVING THE EXISTING BITUMINOUS PAVEMENT SURFACE BY MILLING IN ORDER TO CONSTRUCT A BUTT JOINT FOR THE TRANSITION OF THE PROPOSED BITUMINOUS OVERLAY AT THE LOCATIONS AS SHOWN ON THE PLANS.
3. THE PAVEMENT SURFACE WILL THEN BE MILLED TO A DEPTH OF 2" AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANER MUST BE CAPABLE OF MILLING THE SURFACE TO THE DESIRED ELEVATIONS AND GRADES.
4. ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
5. ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE CONTRACTOR AND ACCEPTED BY THE RESIDENT ENGINEER/TECHNICIAN.
6. THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM: AR401655 "BUTT JOINT CONSTRUCTION", PER S.Y.

**FOR BID**





DATE SIGNED: \_\_\_\_\_ LICENSE EXPIRES: \_\_\_\_\_

**CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT**

IDA NO: C66-5009

CONTRACT NO: MO007

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 10, 2023  
PROJECT NO: 22A0077  
CAD FILE: C-101-ALG.DWG  
DESIGN BY: JRH 1/10/2023  
DRAWN BY: JRH 1/10/2023  
REVIEWED BY: JMO 03/03/2023

SHEET TITLE

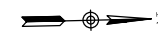
**PROPOSED ALIGNMENT DATA AND REMOVAL PLAN**

ALIGNMENT LINE DATA				
LINE #	DIRECTION	LENGTH	START	END
L1	S85°56'40"E	138.85'	N 1551223.3497 E 2166648.2399	N 1551213.5295 E 2166786.7436
L2	S78°30'52"E	69.54'	N 1551210.0254 E 2166812.4224	N 1551196.1783 E 2166880.5716
L3	N1°20'10"E	398.34'	N 1551260.2745 E 2166960.8943	N 1551658.5059 E 2166970.1819
L4	N88°39'50"W	112.52'	N 1551683.0589 E 2166946.7480	N 1551685.6825 E 2166834.2572

ALIGNMENT CURVE DATA					
CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START	END
C1	200.00'	'25.93'	S82°13'46"E	N 1551213.5295 E 2166786.7436	N 1551210.0254 E 2166812.4224
C2	67.00'	'117.11'	N51°24'39"E	N 1551196.1783 E 2166880.5716	N 1551260.2745 E 2166960.8943
C3	24.00'	'37.70'	N43°39'50"W	N 1551658.5059 E 2166970.1819	N 1551683.0589 E 2166946.7480

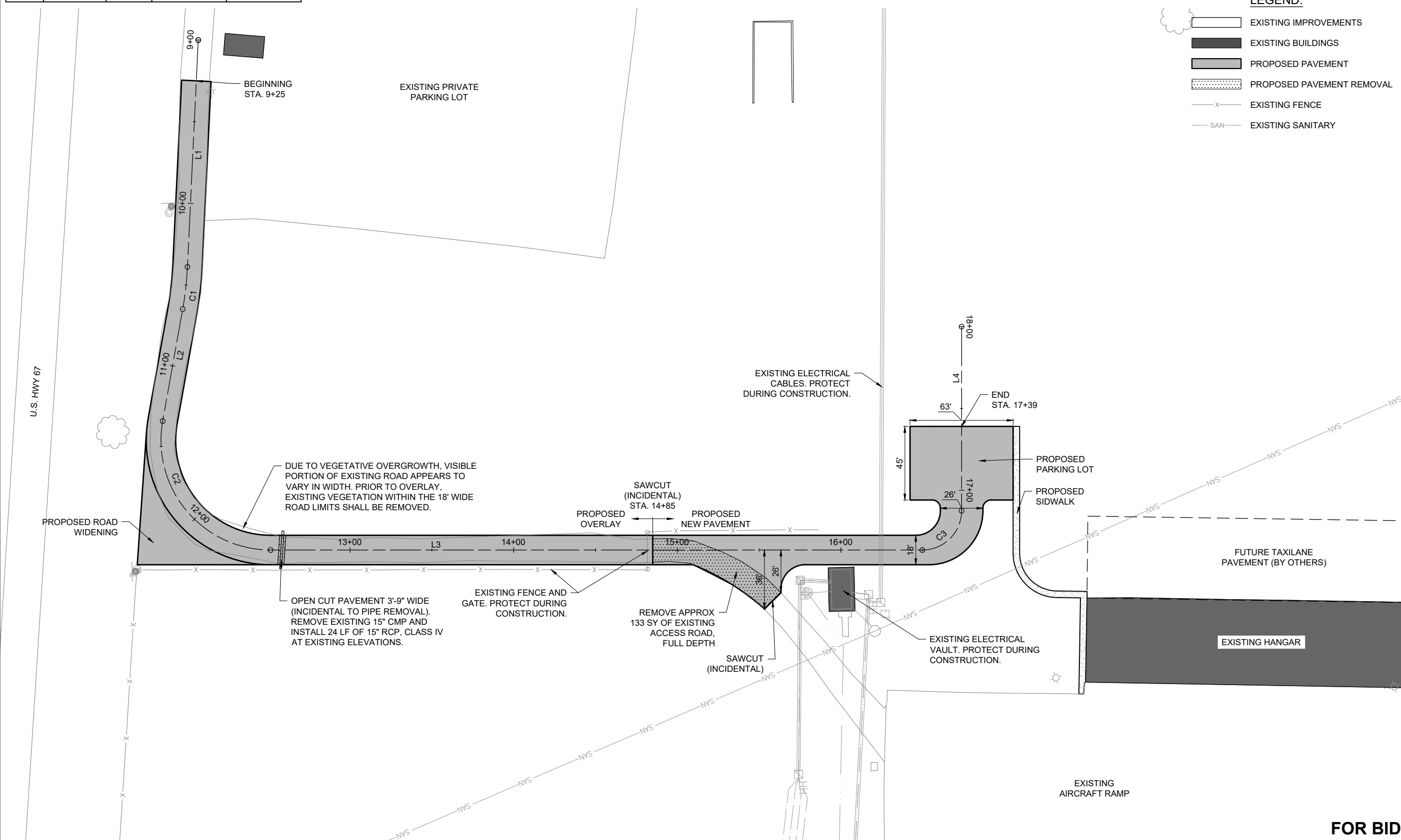
**NOTES**

1. FOR THE OPEN TRENCH ACROSS THE ROADWAY, THE EXISTING SECTION FOR THE ACCESS ROAD IS ANTICIPATED TO BE APPROXIMATELY ±2" OF BITUMINOUS ON AN AGGREGATE BASE. FOLLOWING REMOVAL AND INSTALLATION, PAVEMENT SHALL BE RESTORED UTILIZING THE PROPOSED NEW ACCESS ROAD PAVEMENT SECTION AS SHOWN IN TYPICAL SECTIONS SHEETS.



**LEGEND:**

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT REMOVAL
- EXISTING FENCE
- EXISTING SANITARY



**FOR BID**





**Monmouth Municipal Airport**

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100 E. Broadway  
Monmouth, IL 61462-1764  
Telephone: 309.734.2141



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**CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT**

IDA NO: C66-5009

CONTRACT NO: MO007


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 10, 2023

PROJECT NO: 22A0077

CAD FILE: C-122-CON.DWG

DESIGN BY: JRH 2/3/2023

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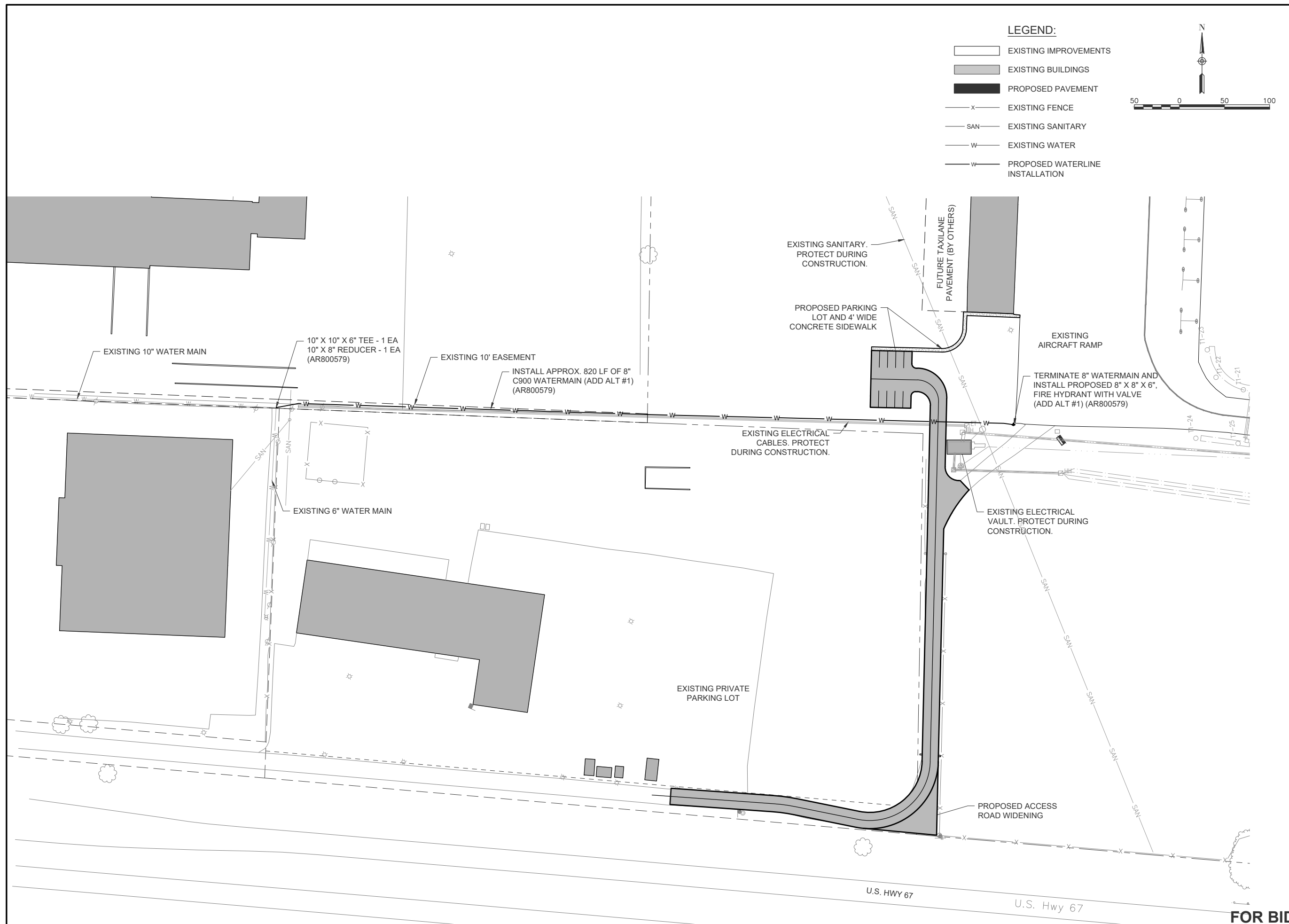
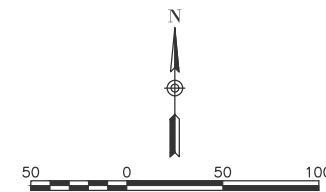
REVIEWED BY: JMO 03/03/2023

SHEET TITLE

**PROPOSED WATERMAIN INSTALLATION SHEET - ADD ALT 1**

**LEGEND:**

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- EXISTING FENCE
- EXISTING SANITARY
- EXISTING WATER
- PROPOSED WATERLINE INSTALLATION



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CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT

IDA NO: C66-5009

CONTRACT NO: MO007

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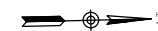
ISSUE: JANUARY 10, 2023  
PROJECT NO: 22A0077  
CAD FILE: C-701-PNP.DWG  
DESIGN BY: JRH 1/10/2023  
DRAWN BY: JRH 1/10/2023  
REVIEWED BY: JMO 03/03/2023

SHEET TITLE

PROPOSED PLAN AND PROFILE

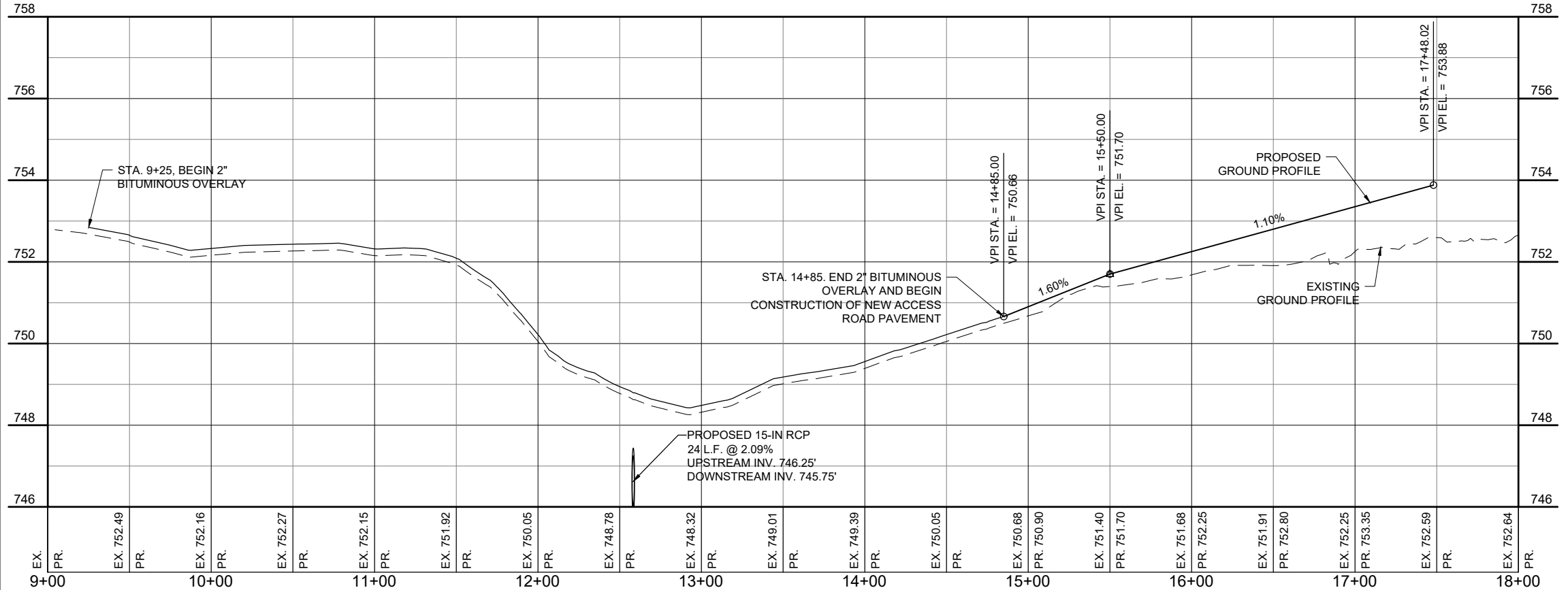
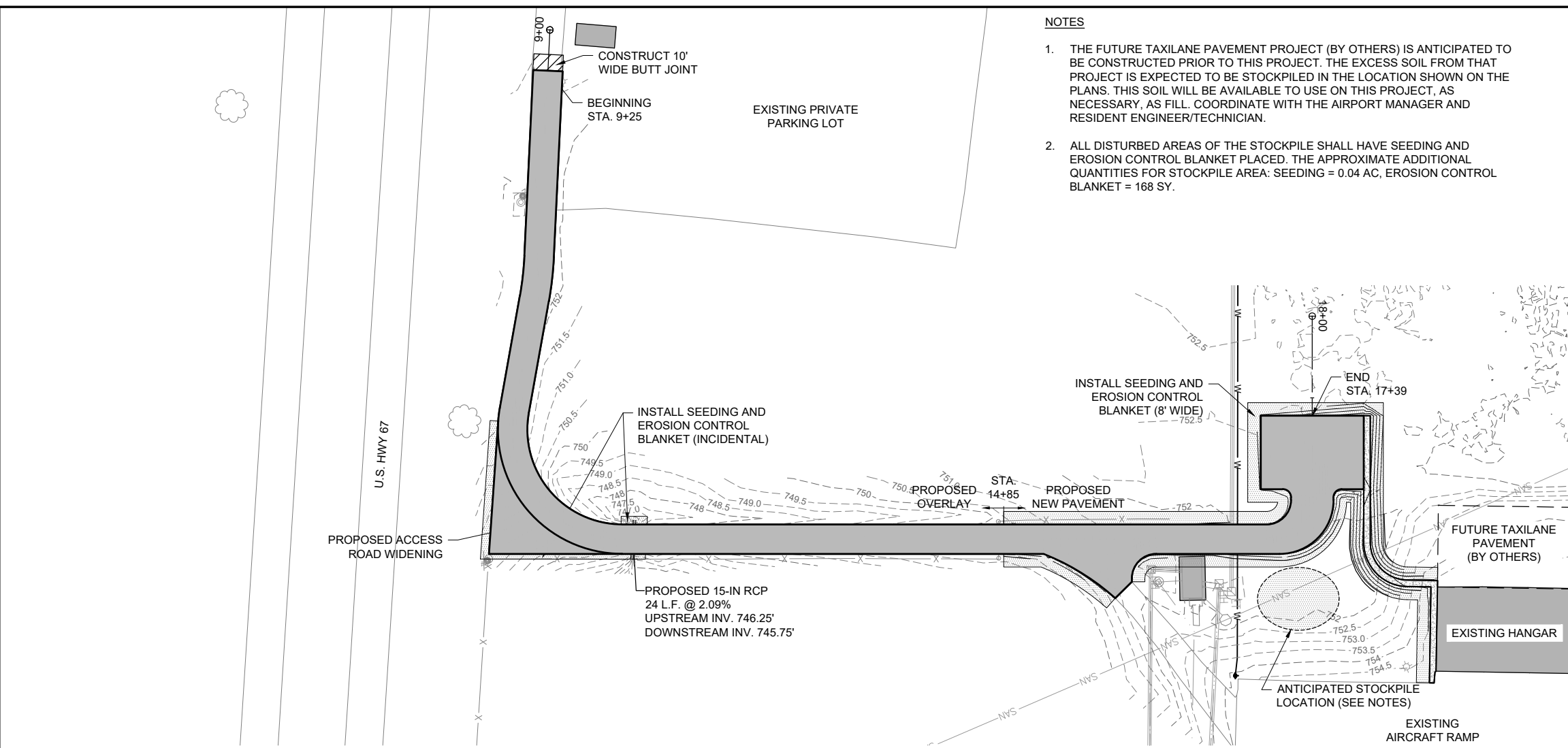
NOTES

1. THE FUTURE TAXILANE PAVEMENT PROJECT (BY OTHERS) IS ANTICIPATED TO BE CONSTRUCTED PRIOR TO THIS PROJECT. THE EXCESS SOIL FROM THAT PROJECT IS EXPECTED TO BE STOCKPILED IN THE LOCATION SHOWN ON THE PLANS. THIS SOIL WILL BE AVAILABLE TO USE ON THIS PROJECT, AS NECESSARY, AS FILL. COORDINATE WITH THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN.
2. ALL DISTURBED AREAS OF THE STOCKPILE SHALL HAVE SEEDING AND EROSION CONTROL BLANKET PLACED. THE APPROXIMATE ADDITIONAL QUANTITIES FOR STOCKPILE AREA: SEEDING = 0.04 AC, EROSION CONTROL BLANKET = 168 SY.



LEGEND:

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- PROPOSED BUTT JOINT
- PROPOSED SEEDING/ECB
- EXISTING FENCE
- EXISTING SANITARY
- PROPOSED WATERLINE INSTALLATION



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**CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT**

IDA NO: C66-5009

CONTRACT NO: MO007

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 10, 2023

PROJECT NO: 22A0077

CAD FILE: C-181-MRK.DWG

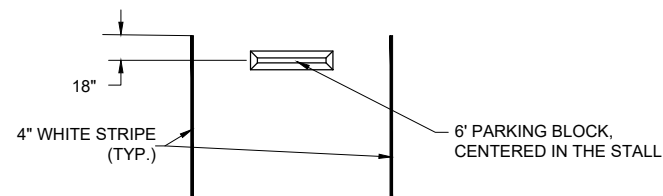
DESIGN BY: JRH 1/10/2023

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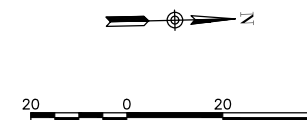
REVIEWED BY: JMO 03/03/2023

SHEET TITLE

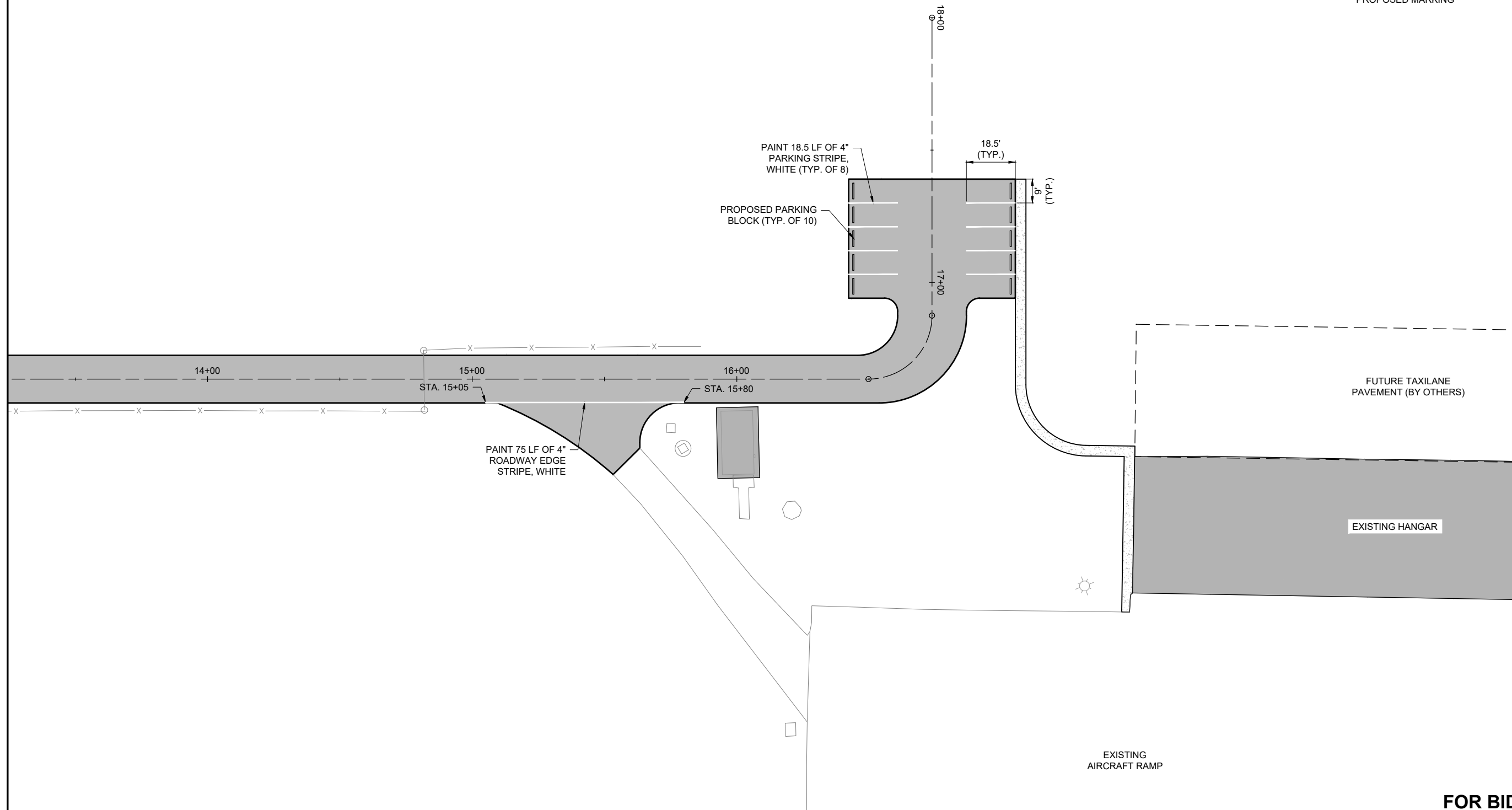
**PROPOSED MARKING PLAN**



**PARKING BLOCK LAYOUT**  
NOT TO SCALE



- LEGEND:**
- EXISTING IMPROVEMENTS
  - EXISTING BUILDINGS
  - PROPOSED PAVEMENT
  - PROPOSED MARKING



**FOR BID**



DATE SIGNED: \_\_\_\_\_ LICENSE EXPIRES: \_\_\_\_\_

**CONSTRUCT NEW ENTRANCE ROAD AND PARKING LOT**

IDA NO: C66-5009  
 CONTRACT NO: MO007


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ISSUE: JANUARY 10, 2023

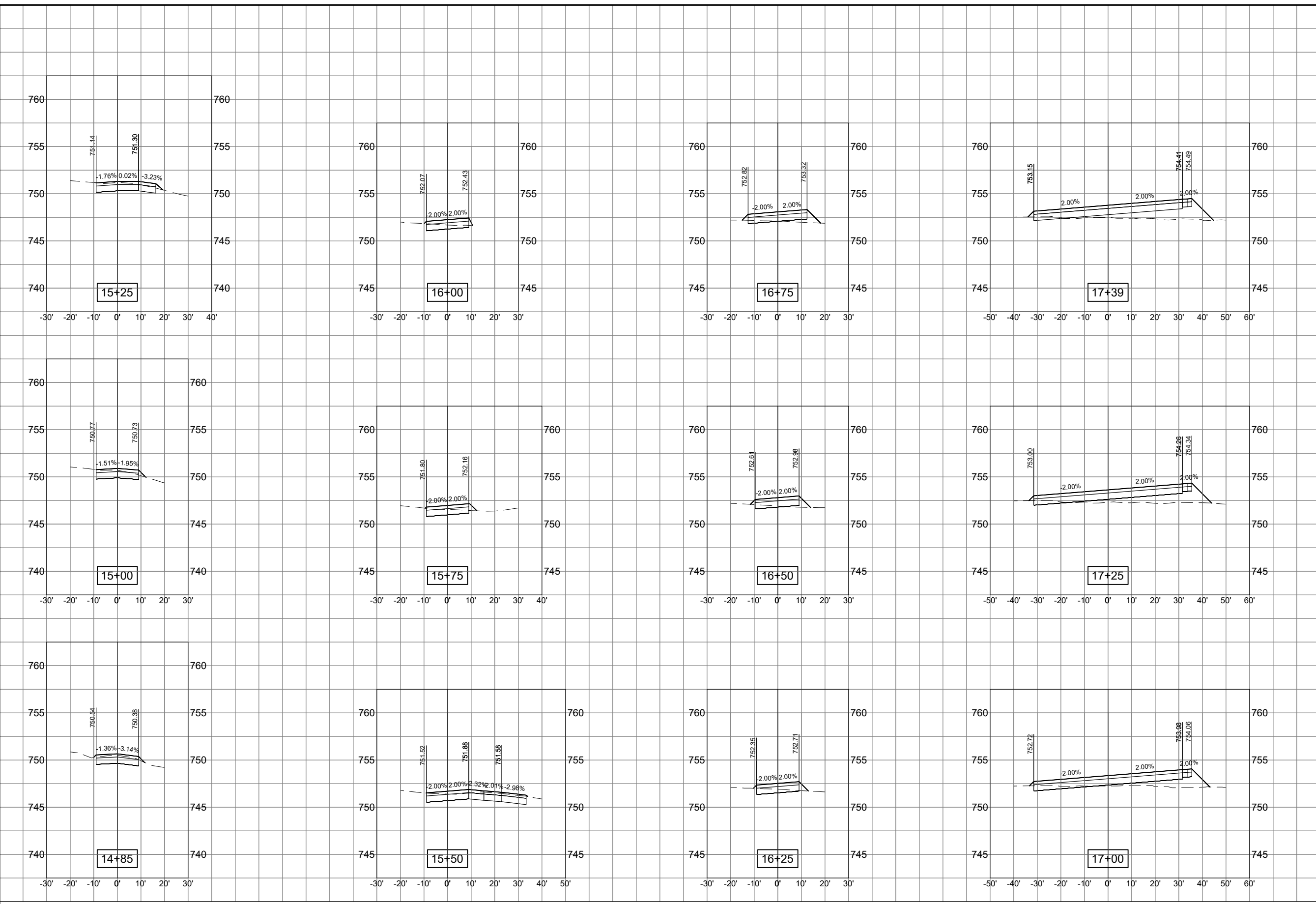
PROJECT NO: 22A0077  
 CAD FILE: C-302-XS.DWG

DESIGN BY: JRH 1/10/2023  
 DRAWN BY: JRH 1/10/2023

REVIEWED BY: JMO 03/03/2023

SHEET TITLE

**PROPOSED CROSS SECTIONS**



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