SR096 TOTAL SHEETS = 10

**CONSTRUCTION PLANS - FOR BID, ISSUED JULY 28, 2023** 

# RECONSTRUCT BITUMINOUS T-HANGAR TAXILANE PAVEMENTS ADJACENT TO THE FUEL FARM AREA

ST. LOUIS REGIONAL AIRPORT AUTHORITY ST. LOUIS REGIONAL AIRPORT (ALN) EAST ALTON, MADISON COUNTY, ILLINOIS

**IDA PROJECT NO. : ALN-4965** 

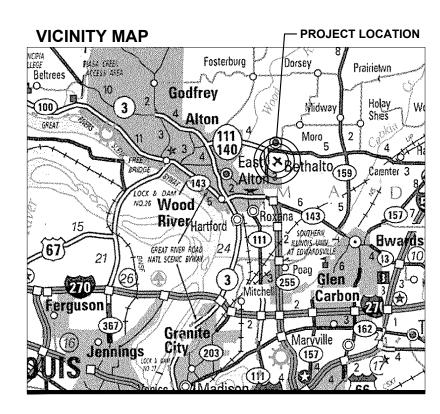
**SBG PROJECT NO.: 3-17-SBGP-156/184** 

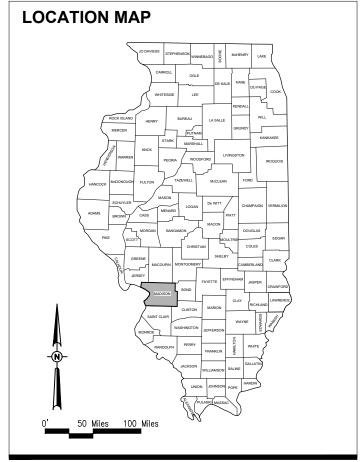
# SCOPE OF WORK:

THE PROJECT SCOPE ITEMS ARE TO INCLUDE RECONSTRUCTING/REHABILITATION OF THE BITUMINOUS T-HANGAR TAXILANE PAVEMENTS ADJACENT TO THE FUEL FARM AREA INCLUDING SOME MILLING, SOME FULL DEPTH REMOVAL, ASPHALT PAVING AND PAVEMENT MARKING.

# 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.













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	CU YD	722		
AR156500	TEMPORARY EROSION CONTROL	L SUM	1		
AR208540	OVERSIZE AGGREGATE	TON	1,403		
AR209606	CRUSHED AGG. BASE COURSE - 6"	SQ YD	4,007		
AR401613	BIT. SURF. CSEMETHOD I, SUPERPAVE	TON	648		
AR401650	BITUMINOUS PAVEMENT MILLING	SQ YD	1,390		
AR401900	REMOVE BITUMINOUS PAVEMENT	SQ YD	5,227		
AR403613	BIT. BASE CSEMETHOD I, SUPERPAVE	TON	481		
AR602510	BITUMINOUS PRIME COAT	GALLON	1,402		
AR603510	BITUMINOUS TACK COAT	GALLON	810		
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	519		
AR620525	PAVEMENT MARKING-BLACK BORDER	SQ FT	1,038		
AR701900	REMOVE PIPE	FOOT	456		
AR705548	8" NON PERFORATED UNDERDRAIN	FOOT	575		
AR751411	INLET-TYPE A	EACH	3		
AR751900	REMOVE INLET	EACH	2		
AR901510	SEEDING	ACRE	0.65		
AR908514	LIGHT-DUTY HYDRAULIC MULCH	ACRE	0.65		

EARTHWORK QUANTITY SUMMARY							
WORK AREA CUT (CY) FILL (CY) FILL + 20% (CY) NET (CY)							
NORTH TAXILANES	NORTH TAXILANES 722** 518 621 101 (EXCESS)						

<sup>\*\*</sup> USED TO CALCULATE AR152410 PAY ITEM QUANTITIES

# **EARTHWORK NOTES:**

- 1. 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.
- EXCESS MATERIAL TO BE REMOVED OFF-SITE OR PLACED ON AIRPORT PROPERTY AT A LOCATION TO BE DETERMINED BY THE AIRPORT MANAGER.

	INDEX TO SHEETS					
SHEET NUMBER	SHEET TITLE					
1	COVER SHEET					
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS					
3	PROPOSED SAFETY PLAN					
4	CONSTRUCTION SAFETY DETAILS AND NOTES					
5	TYPICAL SECTIONS					
6	PROPOSED DEMOLITION PLAN					
7	PROPOSED CONSTRUCTION PLAN					
8	PROPOSED STAKING PLAN					
9	STORMWATER POLLUTION PREVENTION PLAN					
10	PROPOSED MARKING PLAN					

# 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.

# CERITIFIED 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 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.



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ST. LOUIS REGIONAL AIRPORT AUTHORITY

ST. LOUIS REGIONAL AIRPORT 8 TERMINAL DRIVE EAST ALTON, ILLINOIS 62024



DATE LICENSE SIGNED: 7/28/2023 EXPIRES: 11/30/2023

RECONSTRUCT BIT. T-HANGAR TAXILANE PAVEMENT ADJACENT TO FUEL FARM AREA

SBG No: 3-17-SBGP-156-184 IDA No: ALN-4965

Contract No. SR096

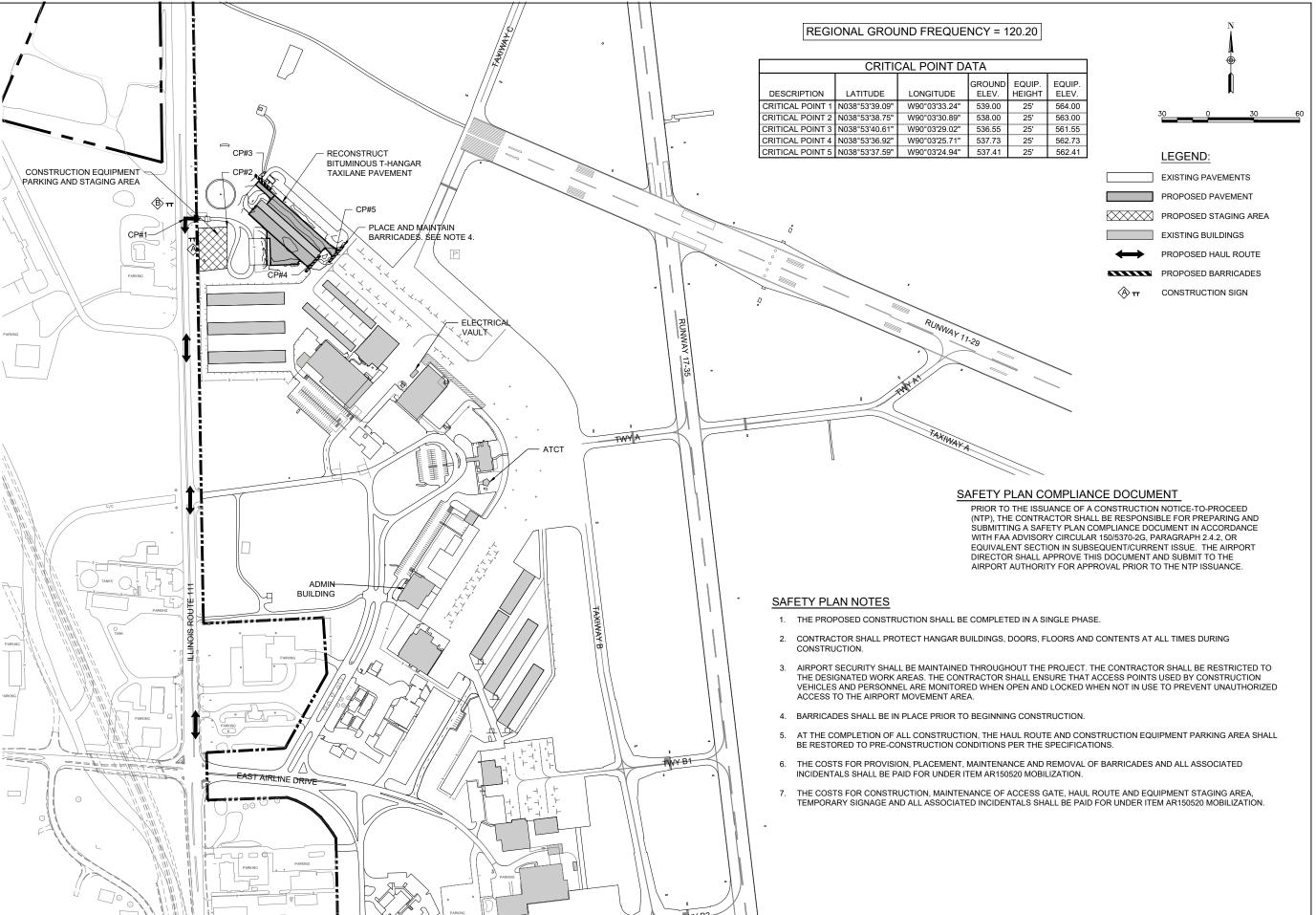
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PROJECT NO: 22A0113
CAD FILE: G-002-FLP.DWG

DESIGN BY: JRH 4/28/2023
DRAWN BY: CWS 4/28/2023
REVIEWED BY: BSS 6/30/2023

SHEET TITLE

SUMMARY OF QUANTITIES AND INDEX TO SHEETS



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PROPOSED SAFETY PLAN

DRAWN BY: CWS 4/28/2023

SHEET TITLE

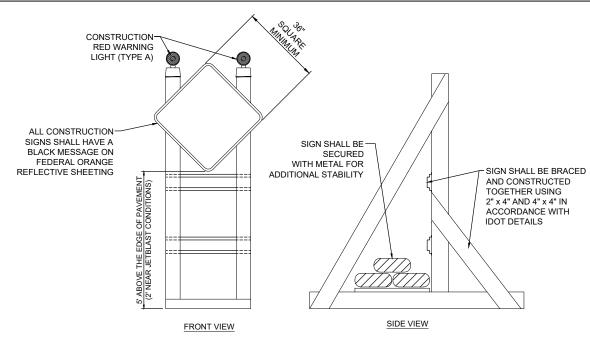
REVIEWED BY: BSS 6/30/2023

**FOR BID** 





**CONSTRUCTION SIGNS** 



# 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.
- 2. 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 AR150520 MOBILIZATION.

# ORANGE FLAGS 12" ALT. STRIPES REFLECTIVE ORANGE AND WHITE HIGH IMPACT, UV RESISTANT POLYETHYLENE 10" X 96" X 10" ORANGE AND/OR WHITE IN COLOR

# LOW-PROFILE BARRICADE DETAIL

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.

# BARRICADE NOTES

- 1. 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 150/5370-2, "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 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT IN 4' INCREMENTS. 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.
- 6. 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 INCLUDED IN ITEM AR150520 MOBILIZATION.

## 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.
- 2. 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.
- 4. 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 250' OF ANY ACTIVE RUNWAY CENTERLINE, WITHIN 62' 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.
- B. NO OPEN TRENCHES <u>WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 62' OF ANY TAXIWAY CENTERLINE</u> <u>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.</u>
- 10. 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.
- 11. 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.
- 12. 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.
- 13. 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 SWEPT, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- 14. 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
- 15. ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES
- 16. 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.
- 17. CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- 18. 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.
- 19. CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- 20. CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- 21. 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.
- 22. THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- 23. NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE RUNWAY, INCLUDING TURF RUNWAYS. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 62' 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.
- 24. 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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DATE LICENSE SIGNED: 7/28/2023 EXPIRES: 11/30/2023

RECONSTRUCT BIT. T-HANGAR TAXILANE PAVEMENT ADJACENT TO FUEL FARM AREA

SBG No: 3-17-SBGP-156-184 IDA No: ALN-4965

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CAD FILE: G-501-SFY.DWG

DESIGN BY: JRH 4/28/2023

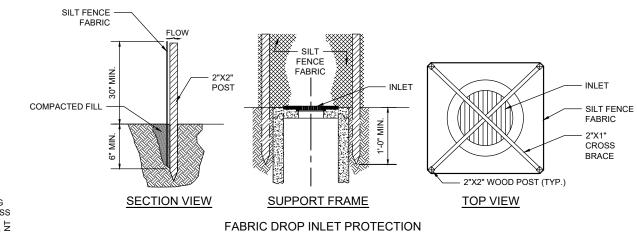
DRAWN BY: CWS 4/28/2023

REVIEWED BY: BSS 6/30/2023

SHEET TITLE

CONSTRUCTION SAFETY DETAILS AND NOTES

## **TYPICAL SECTION - TAXILANE RECONSTRUCT** NOT TO SCALE



NOT TO SCALE

-PROPOSED & PIPE

INSTALL NEW PIPE INTO CONC. PIPE/

TEM 610 P.C. CONCRETE

EXISTING OR PROPOSED

RCP/STRUCTURE

STRUCTURE AND GROUT AROUND TUBING

#### SEEDING/MULCHING **EXISTING** TO ESTABLISH GRASS 2" BITUMINOUS GROUND (INCIDENTAL) SURFACE COURSE 2" BITUMINOUS BASE COURSE 6" CRUSHED AGGREGATE BASE COURSE 6" OVERSIZE AGGREGATE 8" NON-PERFORATED 8" NON-PERFORATED -UNDERDRAIN PIPE UNDERDRAIN PIPE COMPACTED CA-6 OR COMPACTED CA-6 OR 209 BEDDING 209 BEDDING 18" 18" (INCIDENTAL) **UNDER PAVEMENT UNDER TURF** NOT TO SCALE NOT TO SCALE

# NON-PERFORATED PIPE TRENCH DETAILS NOT TO SCALE

COST OF PAY ITEM FOR 8" PERFORATED UNDERDRAIN.

COST OF ALL WORK ASSOCIATED WITH THESE DETAILS, INCLUDING PAVEMENT SECTION, SHALL BE INCLUDED IN

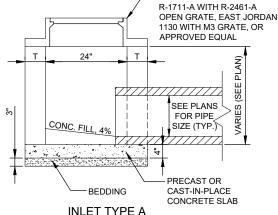
# CONCRETE COLLAR AND GROUT CONNECTION

PRECAST OR

CORE DRILL

OPENING

NOT TO SCALE NOTE: CONNECTION IS INCIDENTAL TO PIPE.



-FRAME SHALL BE NEENAH

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

NOTES: SEE DRAINAGE AND UNDERDRAIN SCHEDULE FOR LOCATION, SIZE AND NUMBER OF PIPE CONNECTIONS.

2. INLETS TO BE PRECAST REINFORCED CONCRETE SECTIONS

**FOR BID** 

NOTES:

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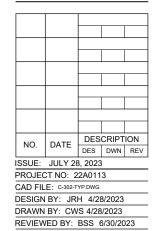


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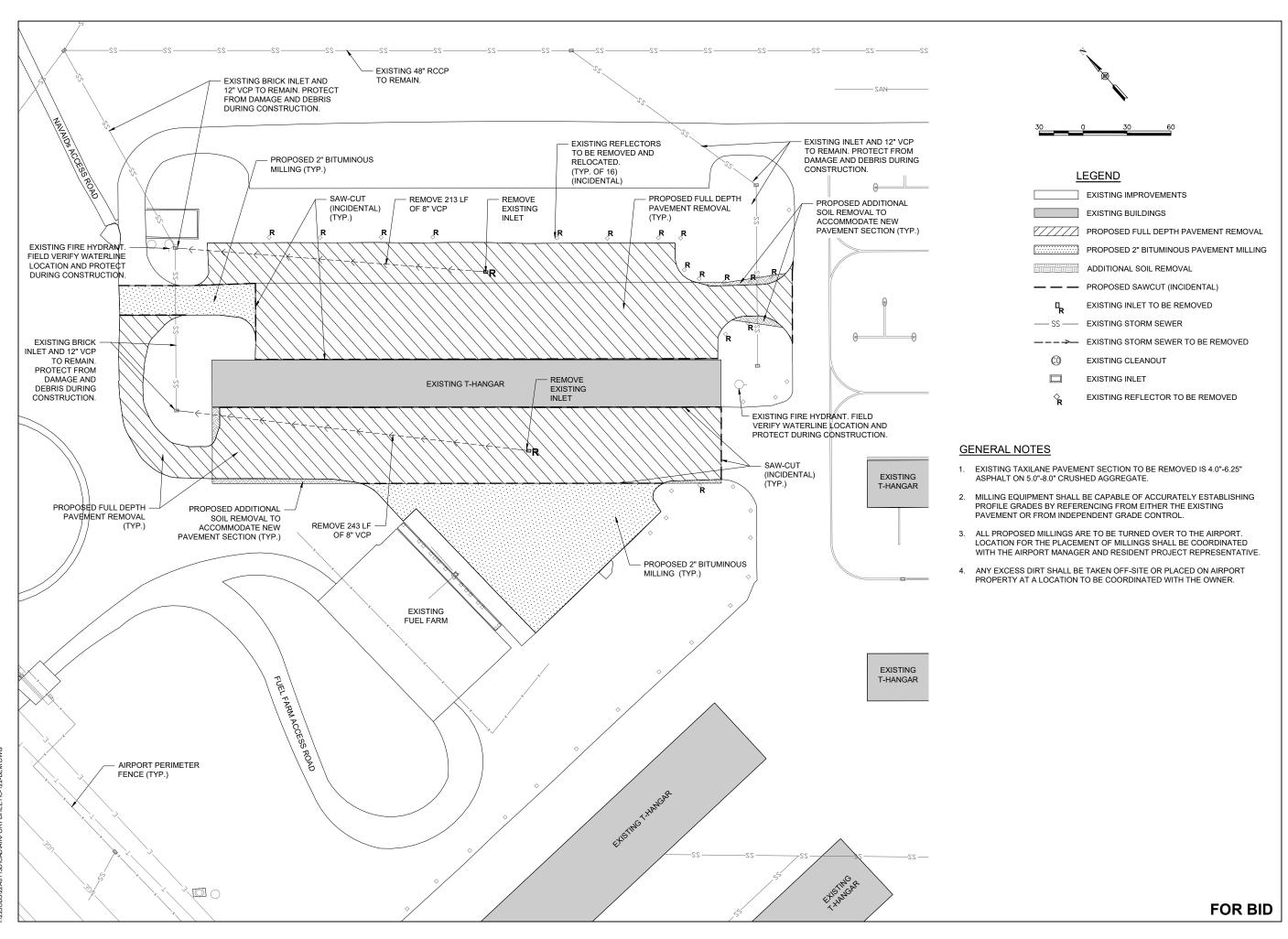
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TYPICAL SECTIONS

SHEET TITLE





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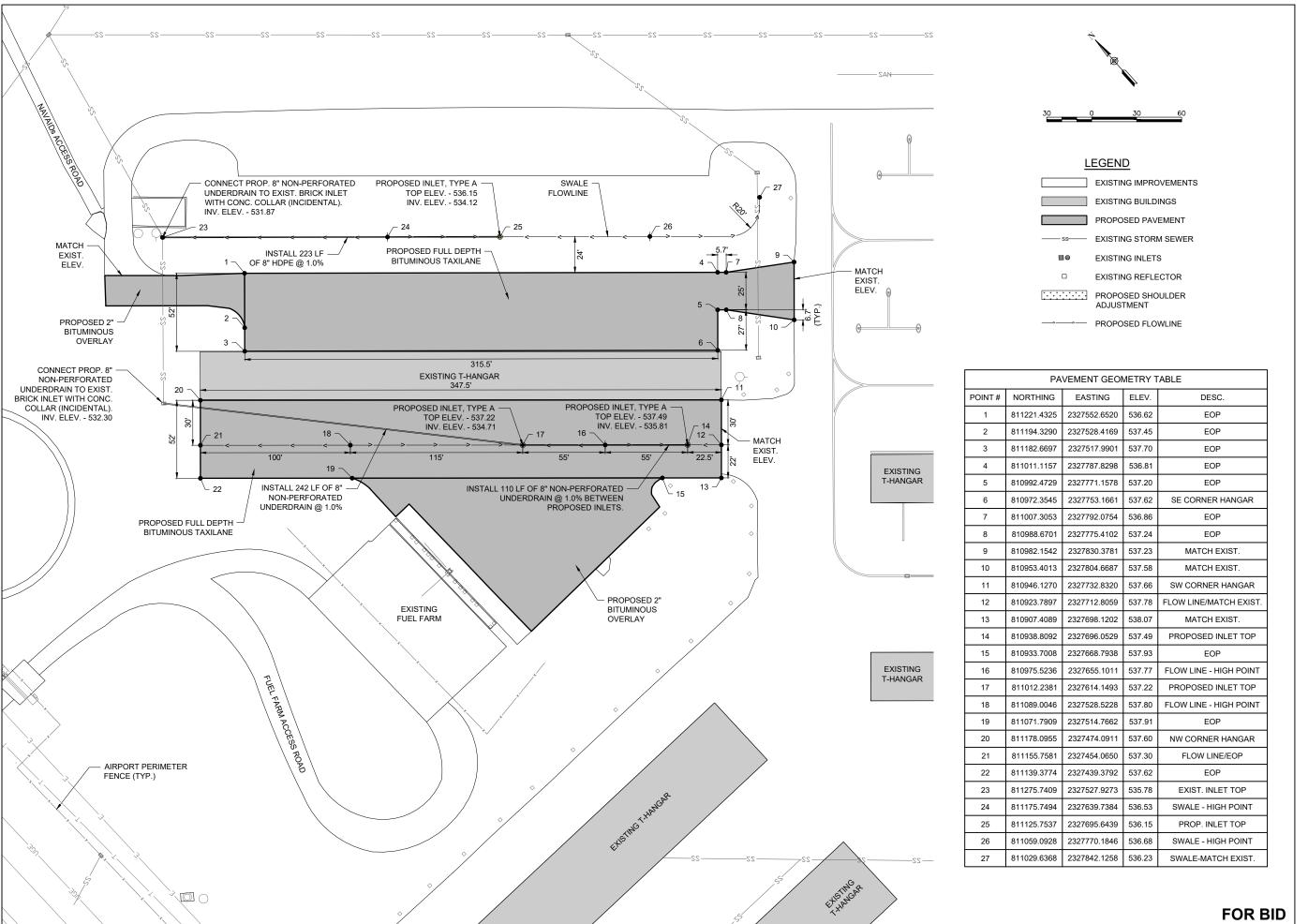
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DESIGN	BY: JR	H 4/28	3/2023	
DRAWN	BY: CW	S 5/1/2	2023	

PROPOSED DEMOLITION PLAN

SHEET TITLE

REVIEWED BY: BSS 6/30/2023





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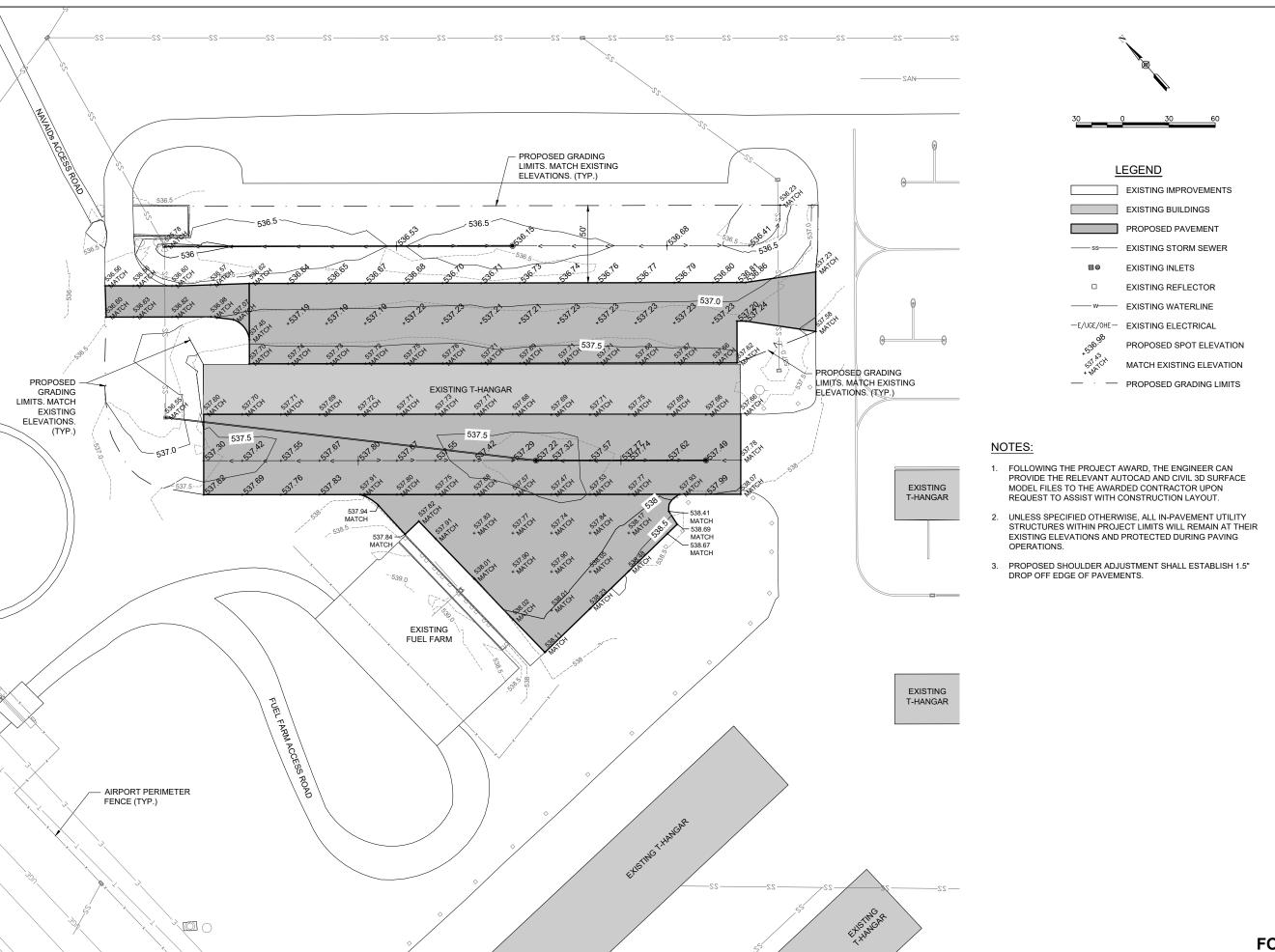
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DESIGN	BY: JR	H 4/28	8/2023		
DRAWN	BY: CW	/S 5/1/:	2023		
REVIEW	/ED BY:	BSS 6	3/30/20	23	

PROPOSED CONSTRUCTION PLAN

SHEET TITLE





Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ST. LOUIS REGIONAL AIRPORT AUTHORITY

ST. LOUIS REGIONAL AIRPORT 8 TERMINAL DRIVE EAST ALTON, ILLINOIS 62024



DATE LICENSE SIGNED: 7/28/2023 EXPIRES: 11/30/2023

RECONSTRUCT BIT. T-HANGAR TAXILANE PAVEMENT ADJACENT TO FUEL FARM AREA

SBG No: 3-17-SBGP-156-184 IDA No: ALN-4965

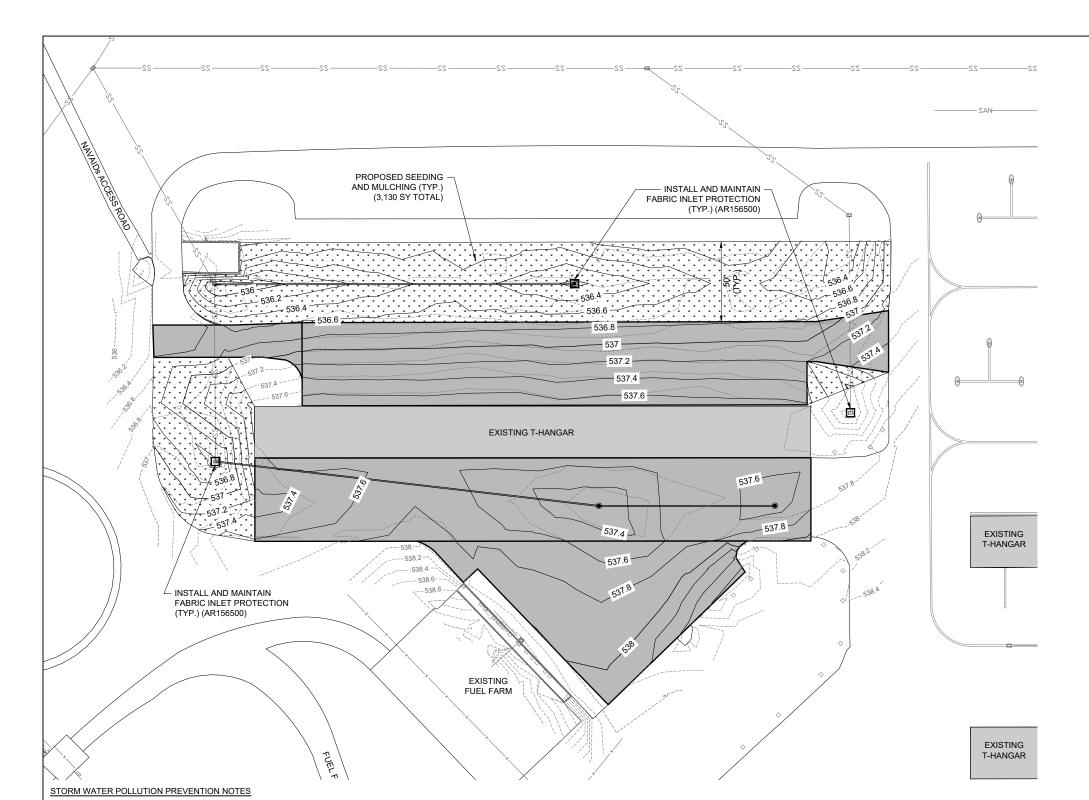
Contract No. SR096

NO.	DATE	DESCRIPTION		
INO.	DAIL	DES	DWN	REV
ISSUE:	JULY 28	3, 2023	3	
PROJEC	CT NO: 2	2A011	3	
CAD FIL	E: C-191-S	TK.DWG		
DESIGN	BY: JRI	H 4/28	3/2023	
DRAWN	BY: JRH	1 6/29	/2023	
REVIEW	/ED BY:	BSS 6	3/30/20	)23

PROPOSED STAKING PLAN

SHEET TITLE

**FOR BID** 





# **LEGEND**

EXISTING IMPROVEMENTS

EXISTING BUILDINGS PROPOSED PAVEMENT PROPOSED SEEDING/MULCHING

PROPOSED FABRIC INLET PROTECTION

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#184-001084

Hanson Professional Services Inc.

Professional Service Corporation

St.Louis Regional

ST. LOUIS REGIONAL AIRPORT

EAST ALTON, ILLINOIS 62024

JAYCEN R.

HERNDON

062.069664

ST. LOUIS REGIONAL

AIRPORT AUTHORITY

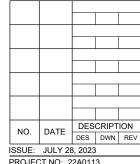
8 TERMINAL DRIVE

SIGNED: 7/28/2023 EXPIRES: 11/30/2023

RECONSTRUCT BIT. T-HANGAR TAXILANE **PAVEMENT ADJACENT** TO FUEL FARM AREA

SBG No: 3-17-SBGP-156-184 IDA No: ALN-4965

Contract No. SR096



PROJECT NO: 22A0113

CAD FILE: C-181-SWP.DWG DESIGN BY: JRH 4/28/2023 DRAWN BY: JRH 6/29/2023

REVIEWED BY: BSS 6/30/2023

SHEET TITLE

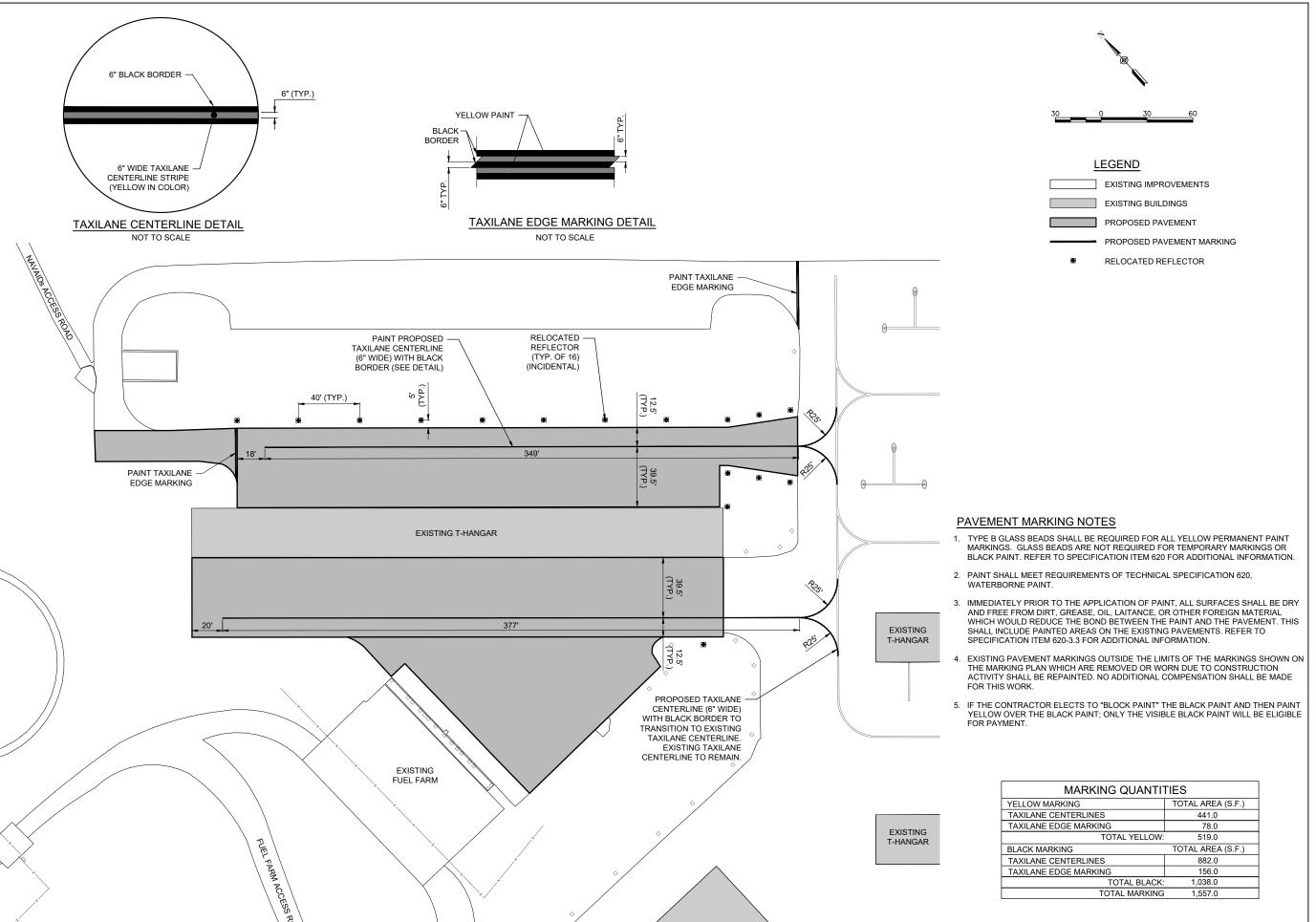
STORMWATER POLLUTION PREVENTION PLAN

1. THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE CONTRACT DOCUMENTS TO ASSURE THAT STORM WATER POLLUTION PREVENTION ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. SEDIMENTATION MUST NOT BE TRANSPORTED OFF THE CONSTRUCTION SITE. PERMANENT DRAINAGE FEATURES AND VEGETATIVE MEASURES SHALL BE PROVIDED AS SOON AS POSSIBLE.

P. THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHERE EVER POSSIBLE AND AS SOON AS CONSTRUCTION PERMITS IN OTHER AREAS. POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. INCLUDING THESE CONSTRUCTION PLANS, AND WITH STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, CURRENT ISSUE. THE CONTRACTOR SHALL ADJUST HIS OPERATIONS AND IMPLEMENT POLLUTION CONTROL MEASURES SO THAT NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE CONSTRUCTION SITE OTHER THAN THROUGH SEDIMENT TRAPS OR OTHER SUITABLE CONTROL MEASURES.

3. POLLUTION CONTROL ITEMS SHALL BE PROVIDED AS NOTED ON THE STORM WATER POLLUTION PREVENTION PLAN AND IN THE STORM WATER POLLUTION PREVENTION DETAILS AND AS DIRECTED BY THE ENGINEER. THE LIMITS OF SUCH MEASURES SHALL BE STAKED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH LIMITS MAY BE ADJUSTED BY THE ENGINEER TO ACCOUNT FOR ACTUAL SITE CONDITIONS EXPERIENCED DURING CONSTRUCTION. ADDITIONAL COMPENSATION FOR MEASURES EXCEEDING THE PLAN QUANTITIES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH ITEM.

I. THE CONTRACTOR IS TO MAINTAIN AND ADJUST, REPAIR OR REPLACE ALL POLLUTION PREVENTION MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. MAINTENANCE OF POLLUTION CONTROL MEASURES IS TO BE PROVIDED AT NO ADDITIONAL COST TO THE CONTRACT.



HANSON Engineering | Palaming | Allied Service

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DATE LICENSE SIGNED: 7/28/2023 EXPIRES: 11/30/2023

RECONSTRUCT BIT. T-HANGAR TAXILANE PAVEMENT ADJACENT TO FUEL FARM AREA

SBG No: 3-17-SBGP-156-184 IDA No: ALN-4965

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CAD FIL	E: C-151-M	IRK.DWG		
DESIGN	BY: JR	H 4/28	3/2023	

SHEET TITLE

DRAWN BY: CWS 5/1/2023

REVIEWED BY: BSS 6/30/2023

PROPOSED MARKING PLAN

**FOR BID**