



ST. LOUIS REGIONAL
AIRPORT AUTHORITY

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



DATE SIGNED: 7/28/2023 LICENSE 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		
		DES	DWN	REV

ISSUE: JULY 28, 2023
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

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. CSE.-METHOD I, SUPERPAVE	TON	648	
AR401650	BITUMINOUS PAVEMENT MILLING	SQ YD	1,390	
AR401900	REMOVE BITUMINOUS PAVEMENT	SQ YD	5,227	
AR403613	BIT. BASE CSE.-METHOD 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	

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

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

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

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 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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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		
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ISSUE: JULY 28, 2023
PROJECT NO: 22A0113
CAD FILE: G-004-SFY.DWG
DESIGN BY: JRH 4/28/2023
DRAWN BY: CWS 4/28/2023
REVIEWED BY: BSS 6/30/2023

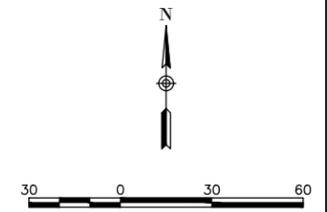
SHEET TITLE

PROPOSED SAFETY PLAN

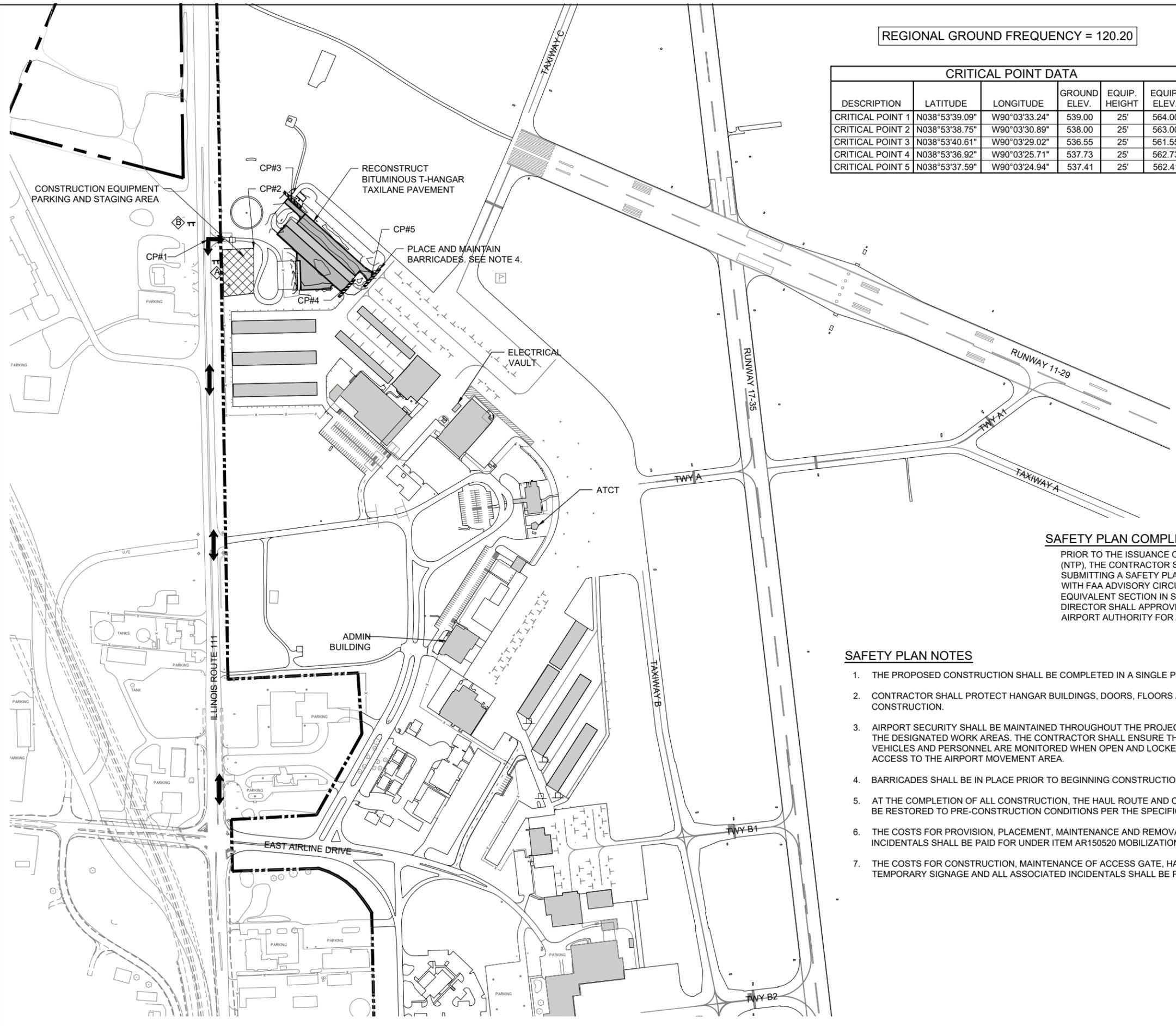
FOR BID

REGIONAL GROUND FREQUENCY = 120.20

DESCRIPTION	LATITUDE	LONGITUDE	GROUND ELEV.	EQUIP. HEIGHT	EQUIP. ELEV.
CRITICAL POINT 1	N038°53'39.09"	W90°03'33.24"	539.00	25'	564.00
CRITICAL POINT 2	N038°53'38.75"	W90°03'30.89"	538.00	25'	563.00
CRITICAL POINT 3	N038°53'40.61"	W90°03'29.02"	536.55	25'	561.55
CRITICAL POINT 4	N038°53'36.92"	W90°03'25.71"	537.73	25'	562.73
CRITICAL POINT 5	N038°53'37.59"	W90°03'24.94"	537.41	25'	562.41



- LEGEND:**
- EXISTING PAVEMENTS
 - PROPOSED PAVEMENT
 - PROPOSED STAGING AREA
 - EXISTING BUILDINGS
 - PROPOSED HAUL ROUTE
 - PROPOSED BARRICADES
 - CONSTRUCTION SIGN



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.

SAFETY PLAN NOTES

1. THE PROPOSED CONSTRUCTION SHALL BE COMPLETED IN A SINGLE PHASE.
2. CONTRACTOR SHALL PROTECT HANGAR BUILDINGS, DOORS, FLOORS AND CONTENTS AT ALL TIMES DURING CONSTRUCTION.
3. 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.
4. BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
5. AT THE COMPLETION OF ALL CONSTRUCTION, THE HAUL ROUTE AND CONSTRUCTION EQUIPMENT PARKING AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS PER THE SPECIFICATIONS.
6. THE COSTS FOR PROVISION, PLACEMENT, MAINTENANCE AND REMOVAL OF BARRICADES AND ALL ASSOCIATED INCIDENTALS SHALL BE PAID FOR UNDER ITEM AR150520 MOBILIZATION.
7. THE COSTS FOR CONSTRUCTION, MAINTENANCE OF ACCESS GATE, HAUL ROUTE AND EQUIPMENT STAGING AREA, TEMPORARY SIGNAGE AND ALL ASSOCIATED INCIDENTALS SHALL BE PAID FOR UNDER ITEM AR150520 MOBILIZATION.



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

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

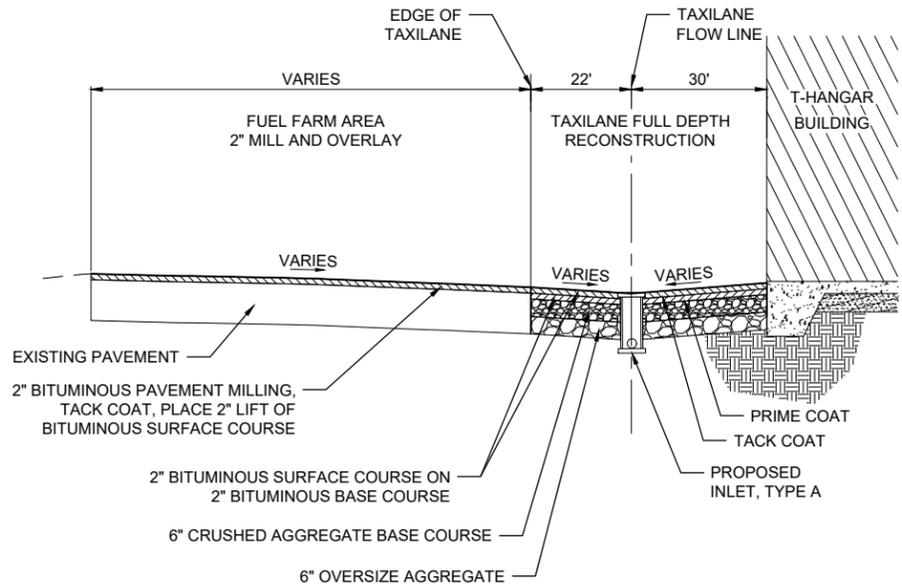
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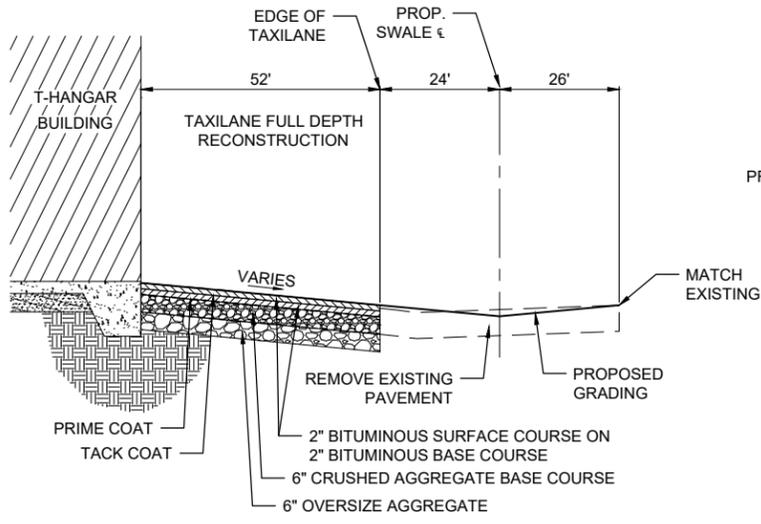
ISSUE: JULY 28, 2023
PROJECT NO: 22A0113
CAD FILE: C-302-TYP.DWG
DESIGN BY: JRH 4/28/2023
DRAWN BY: CWS 4/28/2023
REVIEWED BY: BSS 6/30/2023

SHEET TITLE

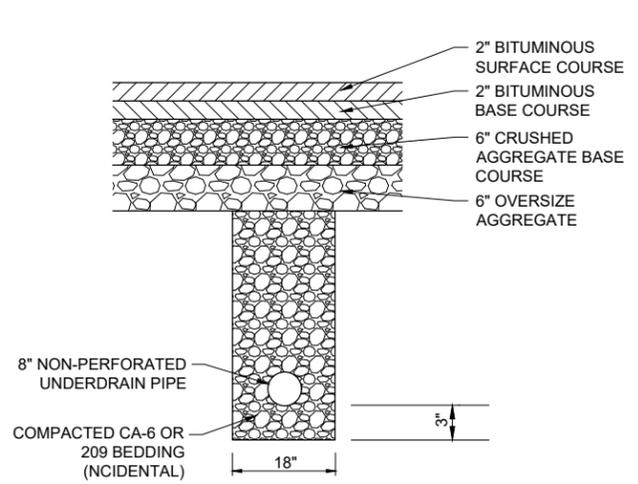
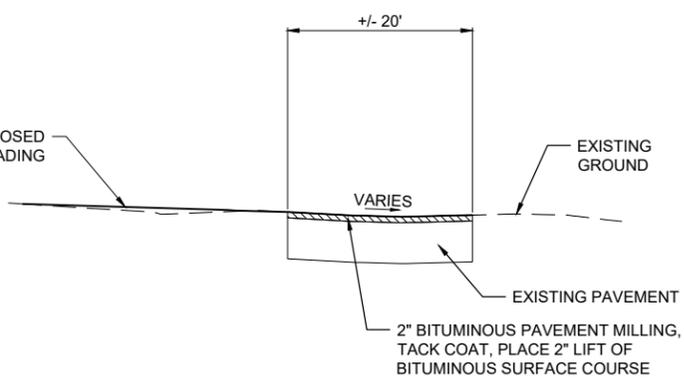
TYPICAL SECTIONS



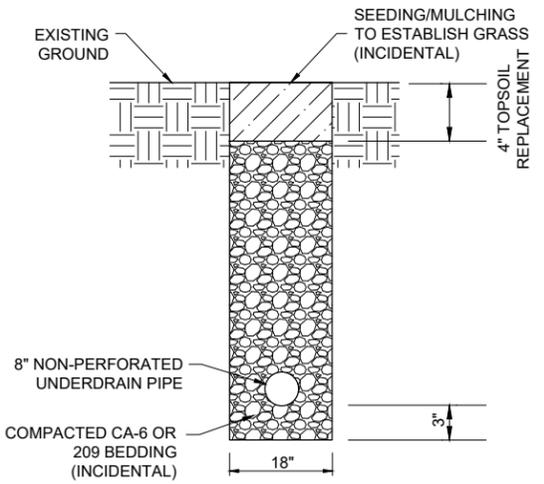
TYPICAL SECTION - TAXILANE RECONSTRUCT
NOT TO SCALE



TYPICAL SECTION - TAXILANE REHABILITATION
NOT TO SCALE



UNDER PAVEMENT
NOT TO SCALE

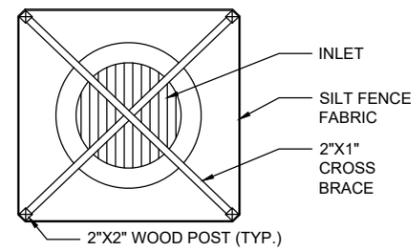
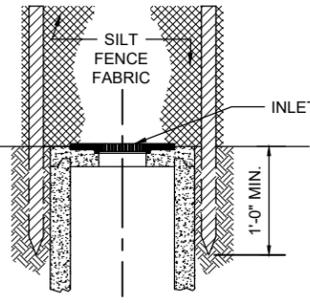
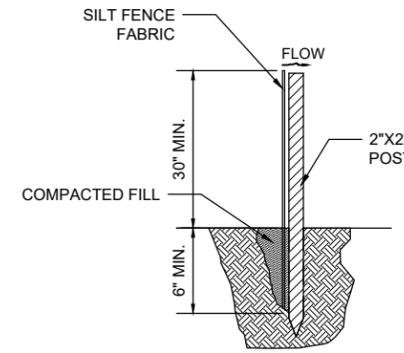


UNDER TURF
NOT TO SCALE

NON-PERFORATED PIPE TRENCH DETAILS
NOT TO SCALE

NOTES:

- COST OF ALL WORK ASSOCIATED WITH THESE DETAILS, INCLUDING PAVEMENT SECTION, SHALL BE INCLUDED IN COST OF PAY ITEM FOR 8" PERFORATED UNDERDRAIN.

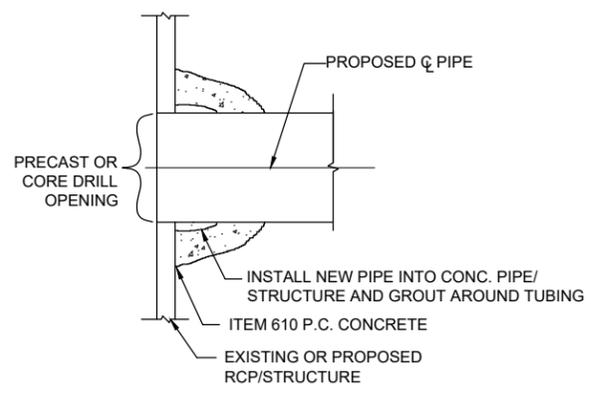


SECTION VIEW

SUPPORT FRAME

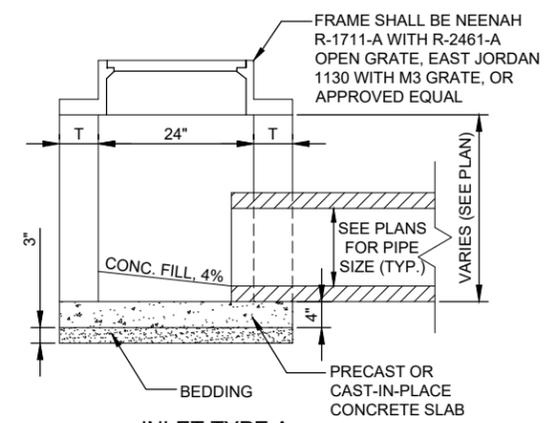
TOP VIEW

FABRIC DROP INLET PROTECTION
NOT TO SCALE



CONCRETE COLLAR AND GROUT CONNECTION
NOT TO SCALE

NOTE: CONNECTION IS INCIDENTAL TO PIPE.



INLET TYPE A
(DOT STANDARD 602301)
NOT TO SCALE

NOTES:

- SEE DRAINAGE AND UNDERDRAIN SCHEDULE FOR LOCATION, SIZE AND NUMBER OF PIPE CONNECTIONS.
- INLETS TO BE PRECAST REINFORCED CONCRETE SECTIONS (T = 3").

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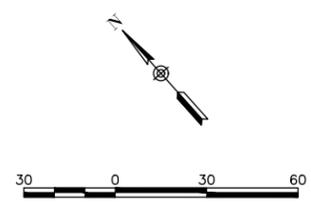
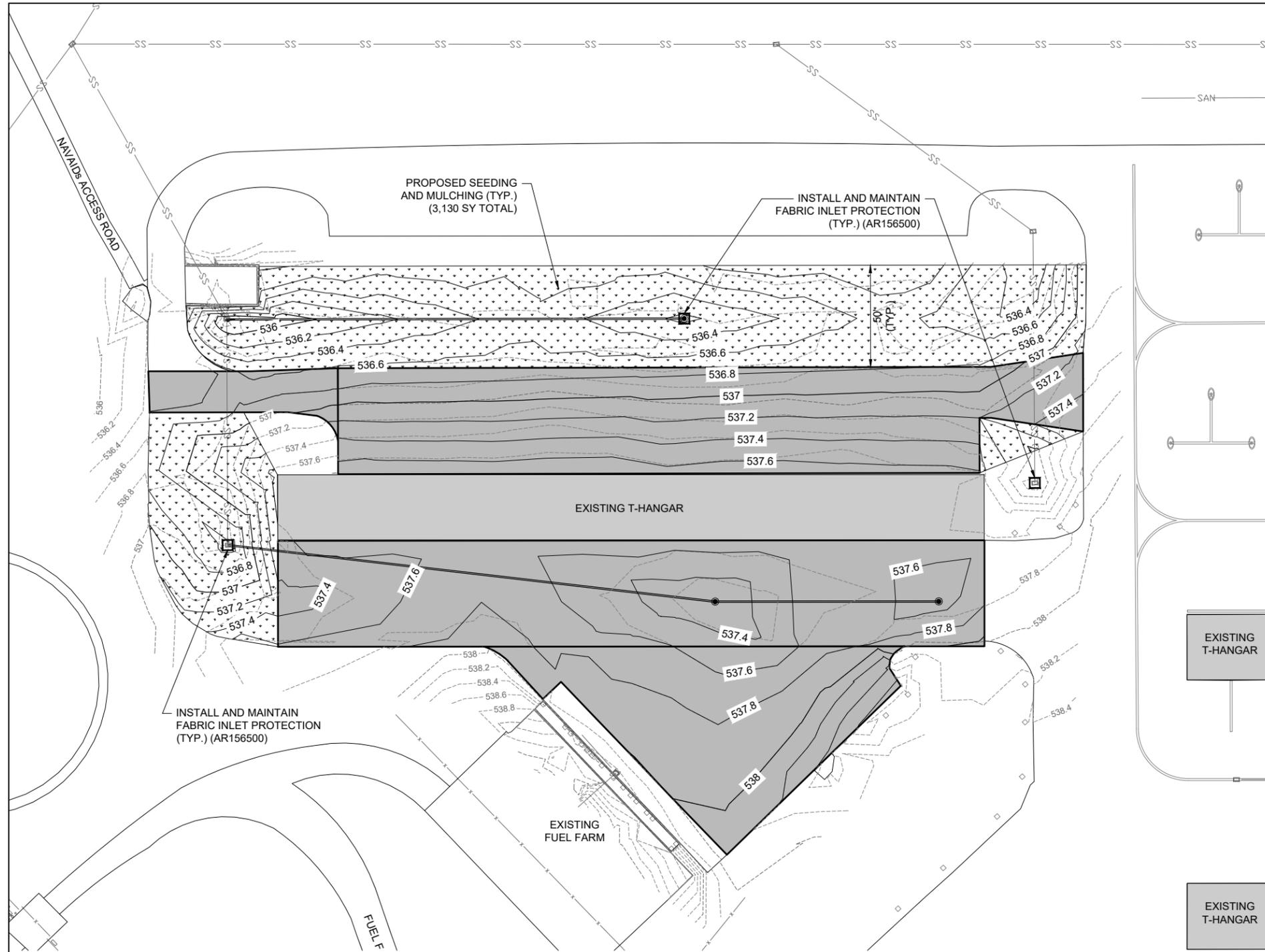
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JULY 28, 2023
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

FOR BID



LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- PROPOSED SEEDING/MULCHING
- PROPOSED FABRIC INLET PROTECTION

STORM WATER POLLUTION PREVENTION NOTES

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.
2. 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.
4. 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.

JUL 28, 2023 10:57 AM HERNDON1562
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