



ST. LOUIS REGIONAL
AIRPORT AUTHORITY

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



SUMMARY OF QUANTITIES - BASE BID				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150520	MOBILIZATION	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	35	
AR152480	SHOULDER ADJUSTMENT	S.Y.	649	
AR156500	TEMPORARY EROSION CONTROL	L.S.	1	
AR156530	TEMPORARY SEEDING	ACRE	0.29	
AR156531	EROSION CONTROL BLANKET	S.Y.	1,395	
AR208540	OVERSIZE AGGREGATE	TON	1,203	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	1,203	
AR401613	BIT. SURF. CSE.-METHOD I, SUPERPAVE	TON	863	
AR401620	BIT. SURFACE COURSE, LEVELING	TON	863	
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	3,435	
AR401901	REMOVE BITUMINOUS SURFACE COURSE	S.Y.	6,566	
AR602510	BITUMINOUS PRIME COAT	GAL.	1,203	
AR603510	BITUMINOUS TACK COAT	GAL.	2,485	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	1,291	
AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	2,567	
AR701512	12" RCP, CLASS IV	L.F.	314	
AR701524	24" RCP, CLASS IV	L.F.	24	
AR701530	30" RCP, CLASS IV	L.F.	24	
AR701900	REMOVE PIPE	L.F.	48	
AR751411	INLET-TYPE A	EA.	7	
AR751900	REMOVE INLET	EA.	1	
AR901510	SEEDING	ACRE	0.29	

SUMMARY OF QUANTITIES - ADD. ALT. BID				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AS152480	SHOULDER ADJUSTMENT	S.Y.	380	
AS156500	TEMPORARY EROSION CONTROL	L.S.	1	
AS156530	TEMPORARY SEEDING	ACRE	0.08	
AS156531	EROSION CONTROL BLANKET	S.Y.	380	
AS208540	OVERSIZE AGGREGATE	TON	304	
AS209510	CRUSHED AGGREGATE BASE COURSE	TON	304	
AS401613	BIT. SURF. CSE.-METHOD I, SUPERPAVE	TON	541	
AS401620	BIT. SURFACE COURSE, LEVELING	TON	541	
AS401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	869	
AS401901	REMOVE BITUMINOUS SURFACE COURSE	S.Y.	5,400	
AS602510	BITUMINOUS PRIME COAT	GAL.	304	
AS603510	BITUMINOUS TACK COAT	GAL.	1,751	
AS901510	SEEDING	ACRE	0.08	

INDEX TO SHEETS	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	SCOPE OF WORK
4	PROPOSED SAFETY AND PHASING PLAN - PHASE 1
5	PROPOSED SAFETY AND PHASING PLAN - PHASE 2
6	CONSTRUCTION SAFETY AND PHASING DETAILS AND NOTES
7	TYPICAL SECTIONS AND DETAILS
8	PROPOSED DEMOLITION PLAN
9	PROPOSED VARIABLE MILLING PLAN
10	PROPOSED CONSTRUCTION PLAN
11	PROPOSED STAKING PLAN
12	PROPOSED MARKING PLAN
13	STORM WATER POLLUTION PREVENTION PLAN

EARTHWORK QUANTITY SUMMARY				
WORK AREA	CUT (CY)	FILL (CY)	FILL + 20% (CY)	NET (CY)
BASE BID	8	29	35	27 (BORROW)
ALTERNATE BID	0	0	0	0

** USED TO CALCULATE AR152410 PAY ITEM QUANTITIES

EARTHWORK NOTES:

- EARTHWORK QUANTITIES (CUT/FILL VOLUMES) SHOWN ABOVE WERE CALCULATED UTILIZING AUTODESK CIVIL3D 2019 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.

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.

RECONSTRUCT
BITUMINOUS
T-HANGAR TAXILANES
(WEST)

SBG No: 3-17-SBGP-162
IDA No: ALN-4840

Contract No. SR094

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: FEBRUARY 26, 2021

PROJECT NO: 20A0052

CAD FILE: G-002-FLP.DWG

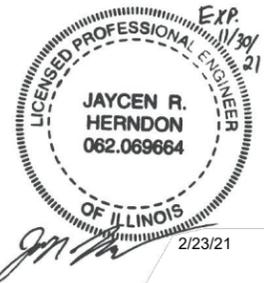
DESIGN BY: JRH 10/12/2020

DRAWN BY: JRH 10/12/2020

REVIEWED BY: BSS 11/09/2020

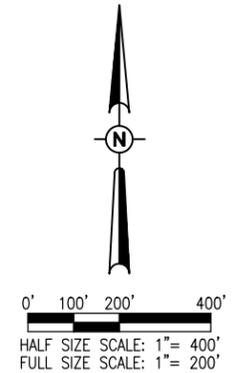
SHEET TITLE

SUMMARY OF
QUANTITIES AND
INDEX TO SHEETS



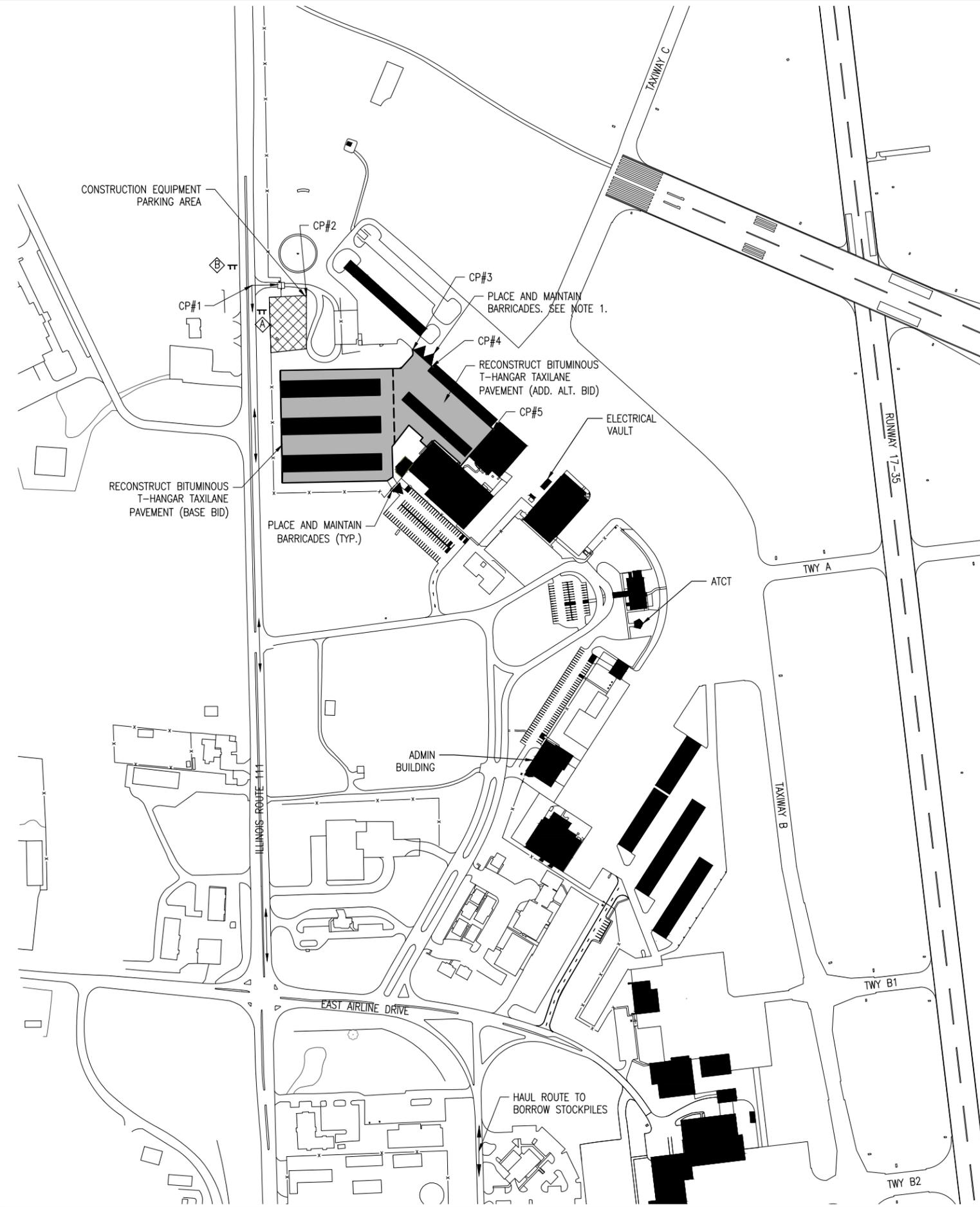
REGIONAL GROUND FREQUENCY = 120.20

CRITICAL POINT DATA					
DESCRIPTION	LATITUDE	LONGITUDE	GROUND ELEV.	EQUIP. HEIGHT	EQUIP. ELEV.
CRITICAL POINT 1	N038°53'39.09"	W90°03'33.24"	536.00	25'	561.00
CRITICAL POINT 2	N038°53'38.75"	W90°03'30.89"	538.00	25'	563.00
CRITICAL POINT 3	N038°53'36.95"	W90°03'26.31"	538.05	25'	563.05
CRITICAL POINT 4	N038°53'36.37"	W90°03'25.49"	538.17	25'	563.17
CRITICAL POINT 5	N038°53'34.27"	W90°03'22.87"	538.45	25'	563.45



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE
- PROPOSED EQUIPMENT PARKING AREA
- EXISTING FENCE
- 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

- THE PROPOSED CONSTRUCTION SHALL BE COMPLETED IN A SINGLE PHASE, REGARDLESS OF AWARD OF THE ADDITIVE ALTERNATE BID. IF ADD. ALT. BID IS NOT AWARDED, THE LOCATION OF BARRICADES AT THE NORTH EDGE OF THE ADD. ALT AREA WILL BE MOVED TO THE DIVIDING LINE BETWEEN BASE BID AND ADD. ALT. BID. CONTRACTOR SHALL PROVIDE ENOUGH BARRICADES TO COVER LENGTH OF DIVIDING LINE.
- CONTRACTOR SHALL PROTECT HANGAR BUILDINGS, DOORS, FLOORS AND CONTENTS AT ALL TIMES DURING CONSTRUCTION.
- 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.
- BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
- AT THE COMPLETION OF ALL 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 ALL ASSOCIATED INCIDENTALS SHALL BE PAID FOR UNDER ITEM AR150520 MOBILIZATION.
- 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 AR150540 HAUL ROUTE.

RECONSTRUCT BITUMINOUS T-HANGAR TAXILANES (WEST)

SBG No: 3-17-SBGP-162
IDA No: ALN-4840

Contract No. SR094

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: FEBRUARY 26, 2021

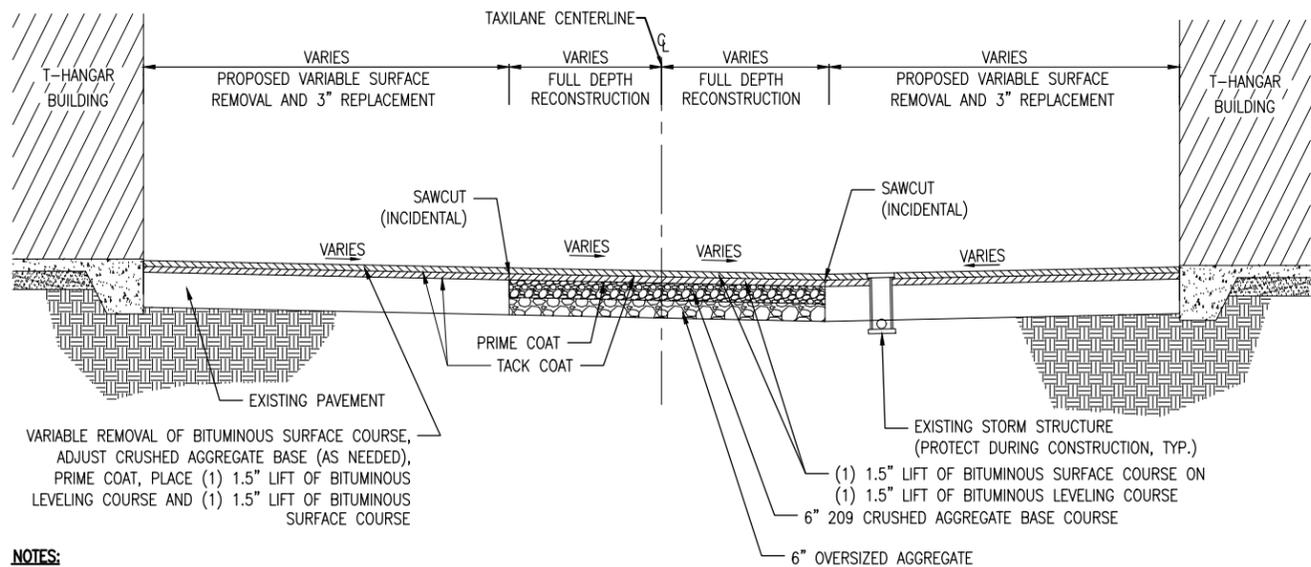
PROJECT NO: 20A0052
CAD FILE: G-004-SFY.DWG

DESIGN BY: JRH 09/30/2020
DRAWN BY: JRH 09/30/2020

REVIEWED BY: BSS 11/09/2020

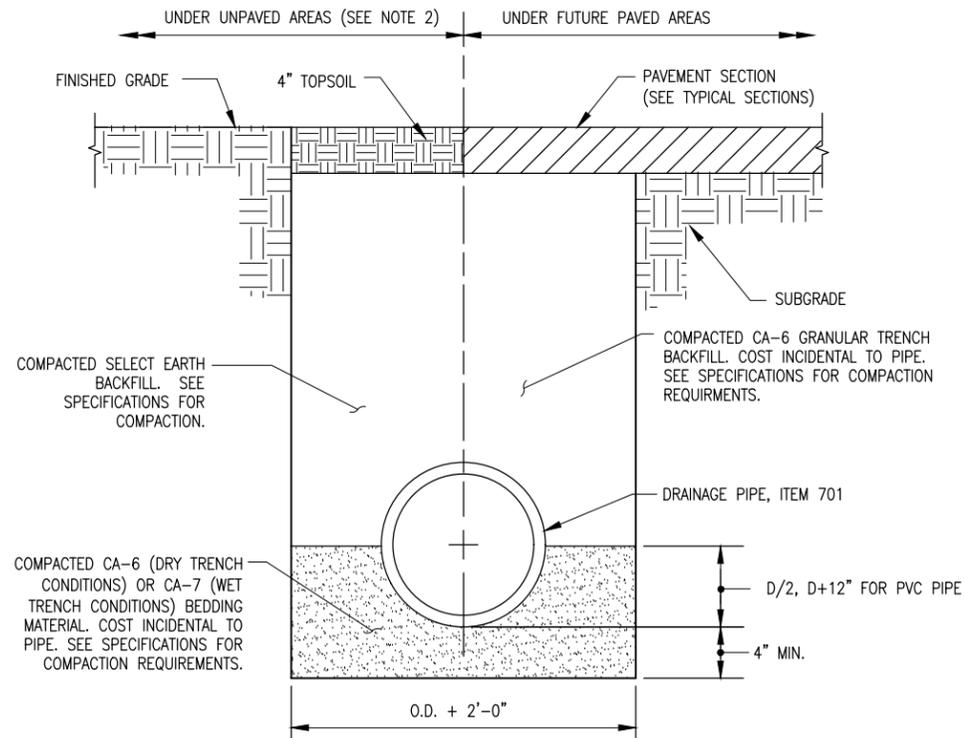
SHEET TITLE

PROPOSED SAFETY PLAN



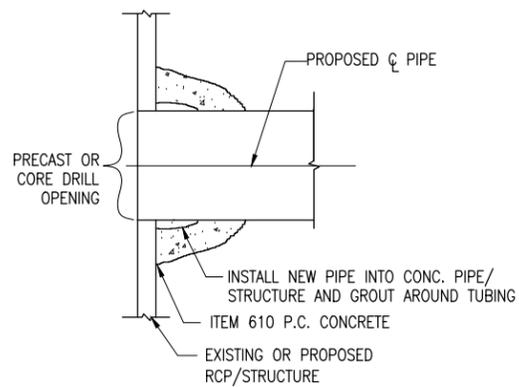
- NOTES:**
1. THE ABOVE PAVEMENT SECTIONS ARE NOT LIMITED TO PAVEMENTS BETWEEN HANGARS, BUT APPLY TO THE ENTIRE PROJECT.
 2. ALL AREAS ON THE DEMOLITION PLAN LABELED "PROPOSED PAVEMENT RECONSTRUCTION" SHALL MATCH THE SECTION LABELED "FULL DEPTH RECONSTRUCTION" ABOVE.
 3. ALL AREAS ON THE DEMOLITION PLAN LABELED "PROPOSED VARIABLE MILLING" SHALL MATCH THE SECTION LABELED "PROPOSED VARIABLE SURFACE REMOVAL AND 3" REPLACEMENT" ABOVE.

TYPICAL SECTION - TAXILANE
NOT TO SCALE



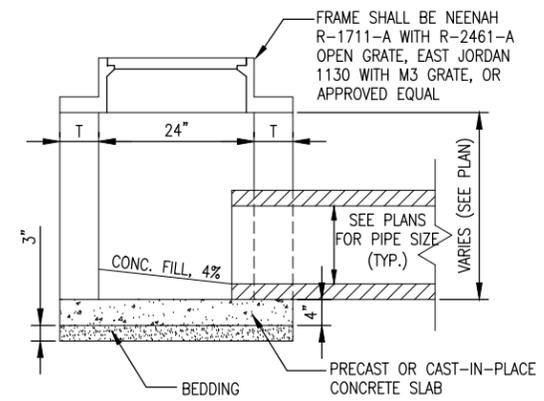
- NOTES:**
1. UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.
 2. WITHIN 3 FEET OF PAVED AREA, GRANULAR BACKFILL IS TO BE USED INSTEAD OF EARTH BACKFILL.
 3. AT CONTRACTOR'S OPTION IDOT CONTROLLED LOW STRENGTH MATERIAL WITH A HIGH EARLY STRENGTH, "FLASH FILL", MAY BE USED INSTEAD OF GRANULAR TRENCH BACKFILL UNDER PAVEMENTS AT NO ADDITIONAL COST TO THE CONTRACT.

PIPE TRENCH DETAIL
NOT TO SCALE



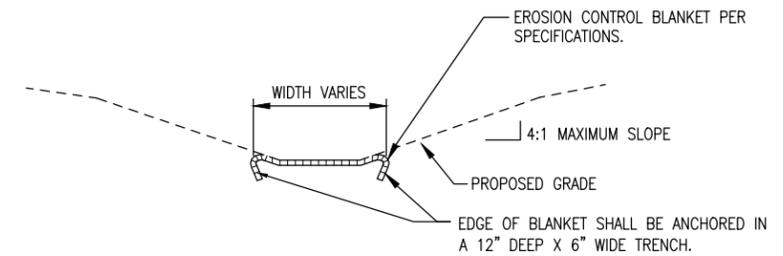
CONCRETE COLLAR AND GROUT CONNECTION

NOT TO SCALE
NOTE: CONNECTION IS INCIDENTAL TO PIPE.



INLET TYPE A
(IDOT STANDARD 602301)
NOT TO SCALE

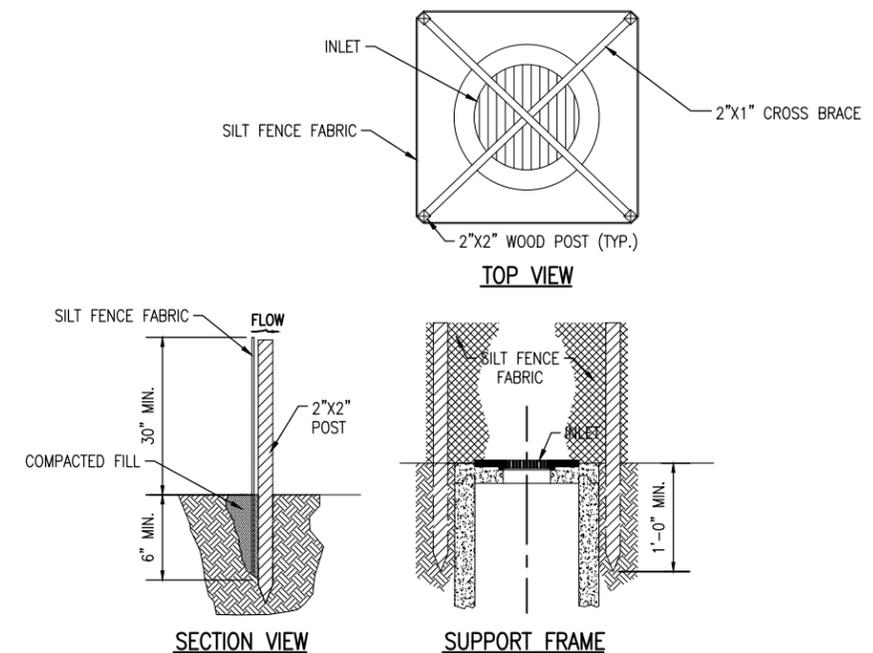
- NOTES:**
1. SEE DRAINAGE AND UNDERDRAIN SCHEDULE FOR LOCATION, SIZE AND NUMBER OF PIPE CONNECTIONS.
 2. INLETS TO BE PRECAST REINFORCED CONCRETE SECTIONS (T = 3").



NOTE: ALL EROSION CONTROL BLANKETS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS BASED ON THE PROPOSED TYPE AND USE.

TYPICAL EROSION CONTROL BLANKET

NOT TO SCALE



FABRIC DROP INLET PROTECTION

NOT TO SCALE



RECONSTRUCT
BITUMINOUS
T-HANGAR TAXILANES
(WEST)

SBG No: 3-17-SBGP-162
IDA No: ALN-4840

Contract No. SR094

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

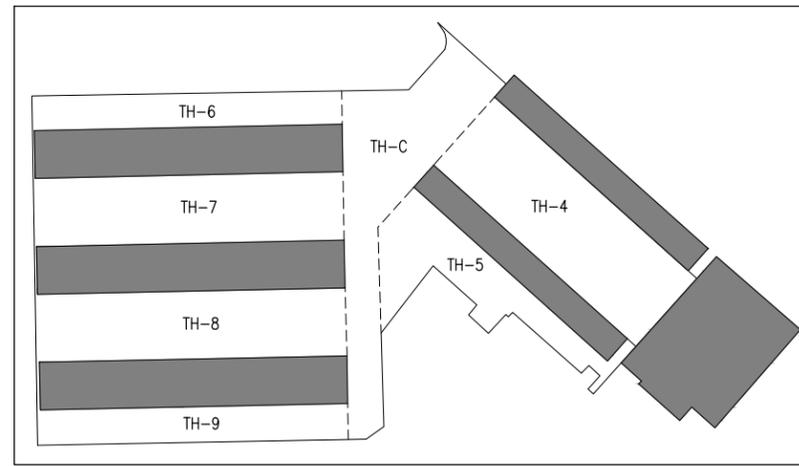
ISSUE: FEBRUARY 26, 2021
PROJECT NO: 20A0052
CAD FILE: C-301-TYP.DWG
DESIGN BY: JRH 10/09/2020
DRAWN BY: JRH 10/09/2020
REVIEWED BY: BSS 11/09/2020

SHEET TITLE

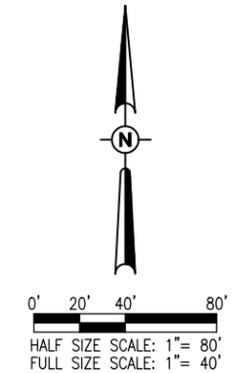
TYPICAL SECTIONS
AND DETAILS

NOTES

- EXISTING TAXILANE PAVEMENTS LABELED TH-6, TH-7, TH-8, TH-9 AND TH-C TO BE REMOVED/VARIABLE MILLED ARE APPROXIMATELY ±3" ASPHALT ON 6"-9" CRUSHED AGGREGATE.
- EXISTING TAXILANE PAVEMENTS LABELED TH-4 AND TH-5 TO BE REMOVED/VARIABLE MILLED ARE APPROXIMATELY ±5"-6" ASPHALT ON 6" CRUSHED AGGREGATE.
- ALL SAWCUTS SHALL BE MADE 1' OFFSET FROM ADJACENT HANGARS. ALL SAWCUTTING SHALL BE INCIDENTAL TO THE PROJECT.
- MILLING EQUIPMENT SHALL BE CAPABLE OF ACCURATELY ESTABLISHING GRADES BY REFERENCING FROM EITHER THE EXISTING PAVEMENT OR FROM INDEPENDENT GRADE CONTROL.
- ALL PROPOSED MILLINGS ARE TO BE TURNED OVER TO THE AIRPORT. LOCATION FOR THE PLACEMENT OF MILLINGS SHALL BE COORDINATED WITH THE AIRPORT MANAGER AND RESIDENT PROJECT REPRESENTATIVE.
- UNLESS SPECIFIED OTHERWISE, ALL PAVEMENT OUTSIDE OF OF MILLING/RECONSTRUCTION LIMITS IS TO REMAIN IN PLACE.
- CONTRACTOR SHALL PROTECT EXISTING HANGARS AND UTILITIES AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- ANY EXCESS DIRT CAN BE WASTED ON AIRPORT PROPERTY AT A LOCATION TO BE COORDINATED WITH THE OWNER.
- EXPOSE 30" RCP TO INVESTIGATE POSSIBLE DAMAGE. COORDINATE WITH THE RESIDENT ENGINEER/TECHNICIAN TO REMOVE & REPLACE UP TO 24 LF OF 30" RCP.
- EXPOSE 24" RCP TO INVESTIGATE POSSIBLE DAMAGE. COORDINATE WITH THE RESIDENT ENGINEER/TECHNICIAN TO REMOVE & REPLACE UP TO 24 LF OF 24" RCP. PROTECT EXISTING WATERLINE DURING CONSTRUCTION.

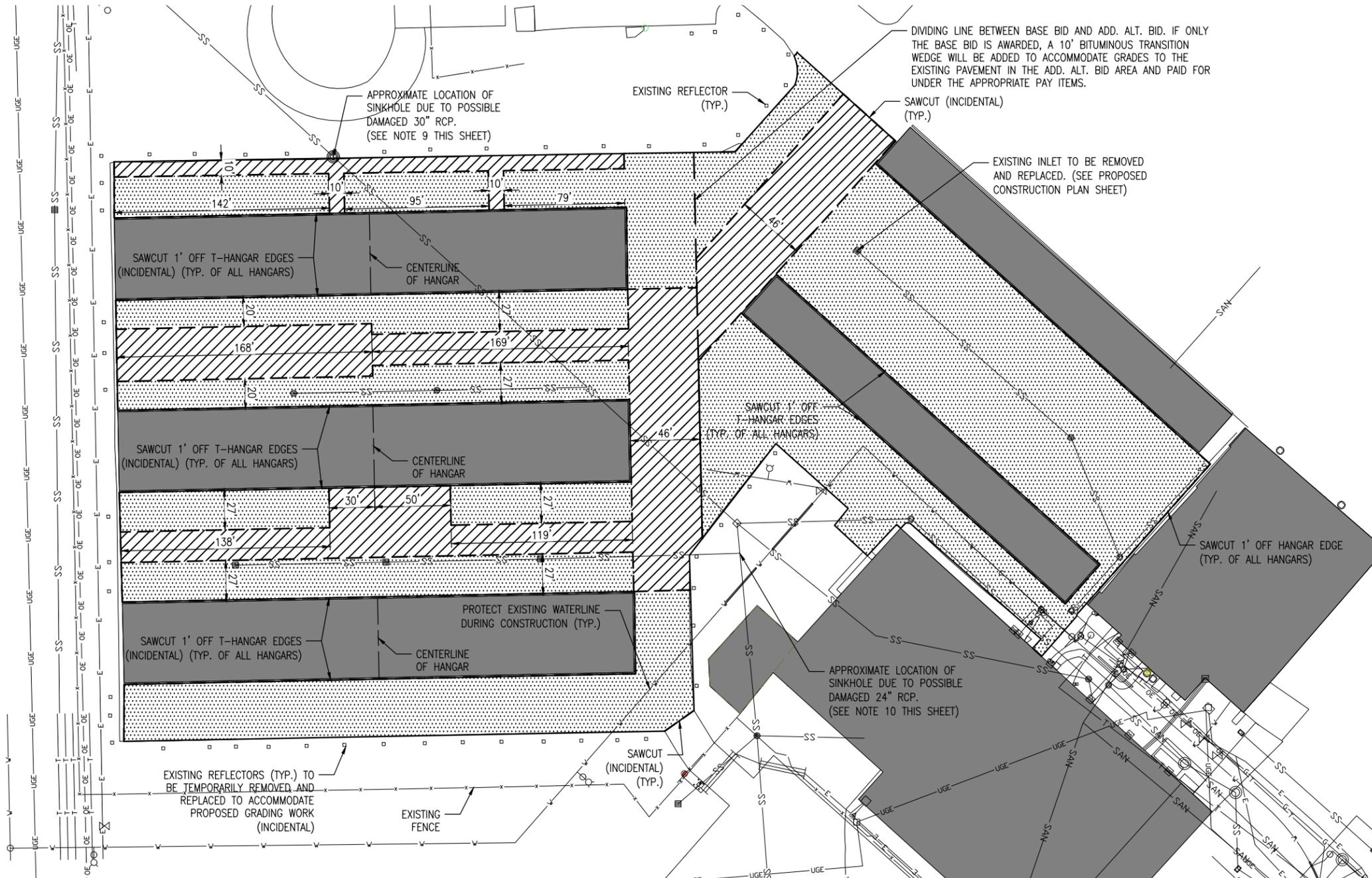


KEYMAP
NOT TO SCALE



LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED VARIABLE MILLING
- PROPOSED SAWCUT
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED INLET
- EXISTING INLETS
- EXISTING REFLECTOR
- EXISTING WATERLINE
- EXISTING ELECTRICAL
- EXISTING FENCE



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



**RECONSTRUCT
BITUMINOUS
T-HANGAR TAXILANES
(WEST)**

SBG No: 3-17-SBGP-162
IDA No: ALN-4840

Contract No. SR094

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

SHEET TITLE

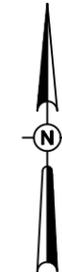
**PROPOSED
DEMOLITION PLAN**

VARIABLE MILLING TABLE			
NUMBER	MAXIMUM DEPTH	MINIMUM DEPTH	COLOR
1	-7.00"	-6.00"	Red
2	-6.00"	-5.00"	Orange
3	-5.00"	-4.00"	Yellow
4	-4.00"	-3.00"	Light Green
5	-3.00"	-2.00"	Light Blue
6	-2.00"	-1.00"	Dark Blue
7	-1.00"	0.00"	Purple

NOTE: THIS PLAN SHEET IS INTENDED TO BE PRINTED IN COLOR FOR BEST VISIBILITY.

NOTES:

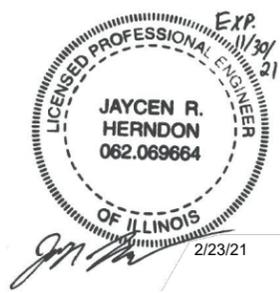
1. FOLLOWING THE PROJECT AWARD, THE ENGINEER CAN PROVIDE THE RELEVANT AUTOCAD AND CIVIL 3D SURFACE MODEL FILES TO THE AWARDED CONTRACTOR UPON REQUEST TO ASSIST WITH CONSTRUCTION LAYOUT.
2. AREAS WHERE THE PROPOSED MILLING DEPTH EXCEEDS THE THICKNESS OF THE EXISTING BITUMINOUS MATERIAL WILL REQUIRE REMOVAL/REGRADE OF THE EXISTING AGGREGATE BASE TO OBTAIN THE PROPOSED FINISHED PAVEMENT GRADES PER THE PLANS. ADDITIONAL REMOVAL/REGRADE OF THE AGGREGATE BASE IS INCIDENTAL TO PAY ITEM AR401901 - REMOVE BITUMINOUS SURFACE COURSE.



0' 20' 40' 80'
HALF SIZE SCALE: 1"= 80'
FULL SIZE SCALE: 1"= 40'

LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT RECONSTRUCTION



**RECONSTRUCT
BITUMINOUS
T-HANGAR TAXILANES
(WEST)**

SBG No: 3-17-SBGP-162
IDA No: ALN-4840

Contract No. SR094

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: FEBRUARY 26, 2021

PROJECT NO: 20A0052

CAD FILE: C-192-STK.DWG

DESIGN BY: JRH 09/30/2020

DRAWN BY: JRH 09/30/2020

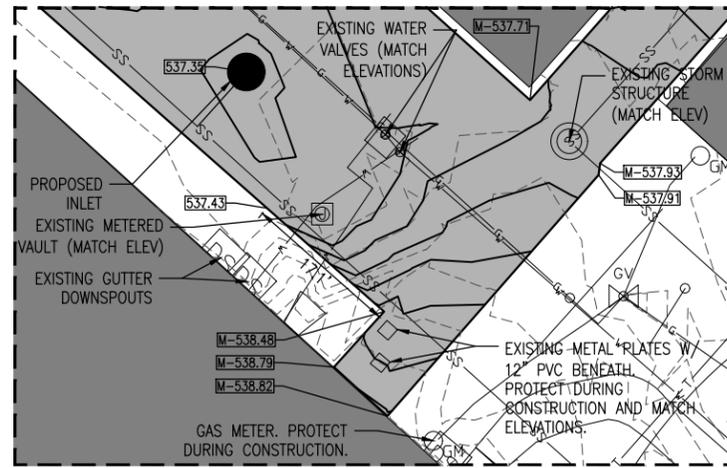
REVIEWED BY: BSS 11/09/2020

SHEET TITLE

**PROPOSED
VARIABLE MILLING
PLAN**

DRAINAGE KEYNOTE TABLE			
POINT #	ELEVATION	NORTHING	EASTING
A	536.30	810675.0529	2327260.0379
B	536.54	810676.8404	2327345.6542
C	536.70	810678.4635	2327423.3950
D	536.82	810680.7726	2327533.9908
E	537.05	810682.0961	2327597.3845
F	536.07	810576.2340	2327262.2140
G	535.94	810565.5125	2327387.3970
H	536.06	810568.0119	2327512.4050
I	536.19	810569.7906	2327588.9704
J	537.00	810672.6156	2327620.1042
K	536.31	810598.5275	2327658.4246
L	535.73	810441.6093	2327264.4131

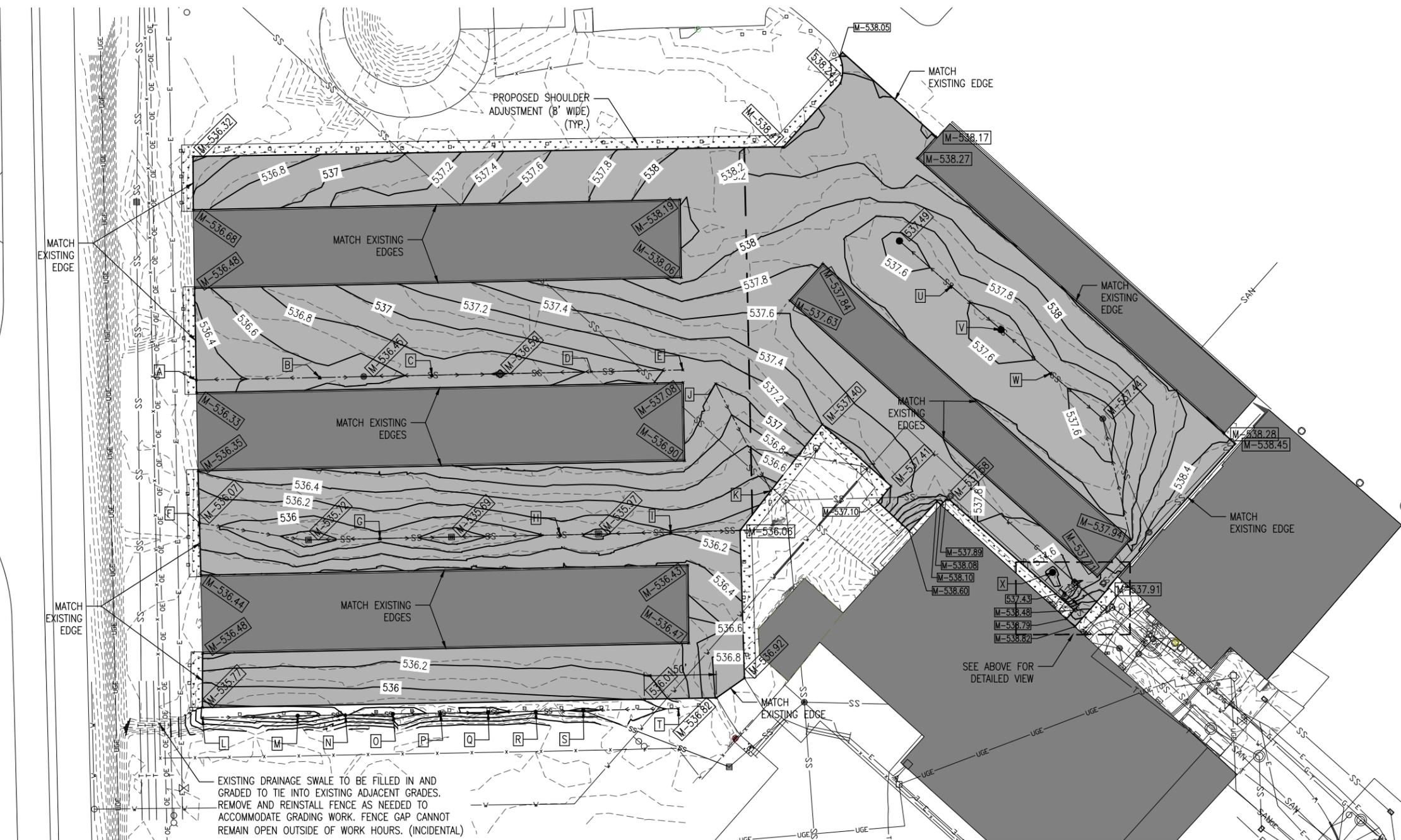
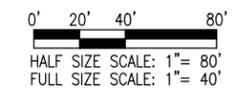
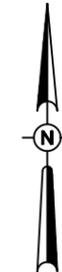
DRAINAGE KEYNOTE TABLE			
POINT #	ELEVATION	NORTHING	EASTING
M	535.40	810442.8530	2327330.4014
N	535.81	810443.4749	2327363.3955
O	535.65	810444.0967	2327396.3897
P	535.86	810444.7185	2327429.3838
Q	535.70	810445.3404	2327462.3780
R	535.92	810445.9622	2327495.3721
S	535.75	810446.5841	2327528.3662
T	536.04	810447.8278	2327594.3545
U	537.70	810739.9045	2327783.5892
V	537.43	810709.8120	2327818.0705
W	537.68	810679.7195	2327852.5518
X	537.35	810542.0821	2327853.7856



DETAILED VIEW

NOTES

1. THE LABELED ELEVATIONS ARE INTENDED TO REFLECT THE MAJOR GEOMETRIC/DRAINAGE POINTS TO OBTAIN THE PROPER GRADES.
2. 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.
3. UNLESS SPECIFIED OTHERWISE, ALL IN-PAVEMENT UTILITY STRUCTURES WITHIN PROJECT LIMITS WILL REMAIN AT THEIR EXISTING ELEVATIONS AND PROTECTED DURING PAVING OPERATIONS.
4. PROPOSED SHOULDER ADJUSTMENT SHALL ESTABLISH 1.5" DROP OFF EDGE OF PAVEMENTS. INCIDENTAL TO PAY ITEM AR152480 - SHOULDER ADJUSTMENT.



LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED INLET
- EXISTING INLETS
- EXISTING REFLECTOR
- EXISTING WATERLINE
- EXISTING ELECTRICAL
- PROPOSED SPOT ELEVATION
- MATCH EXISTING ELEVATION
- PROPOSED SHOULDER ADJUSTMENT
- PROPOSED DRAINAGE FEATURES



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



RECONSTRUCT
BITUMINOUS
T-HANGAR TAXILANES
(WEST)

SBG No: 3-17-SBGP-162
IDA No: ALN-4840

Contract No. SR094

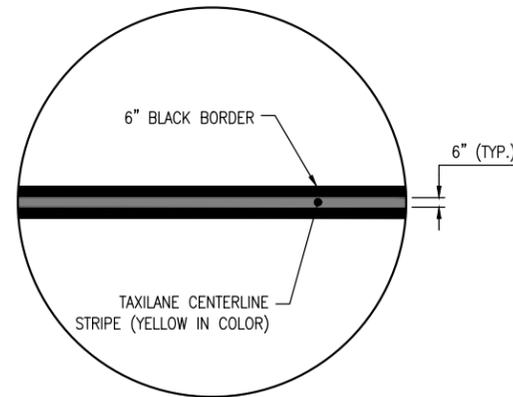
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: FEBRUARY 26, 2021
PROJECT NO: 20A0052
CAD FILE: C-191-STK.DWG
DESIGN BY: JRH 09/30/2020
DRAWN BY: JRH 09/30/2020
REVIEWED BY: BSS 11/09/2020

SHEET TITLE

PROPOSED STAKING
PLAN

FEB 24, 2021 4:45 PM HERND01562
I:\2005\20A0052\CAD\AIRPORT\SHEETC-191-STK.DWG

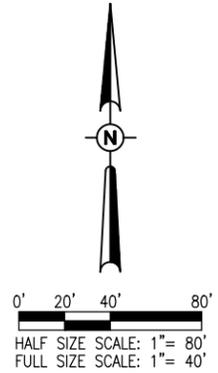


TAXILANE CENTERLINE DETAIL
NOT TO SCALE

PAVEMENT MARKING NOTES

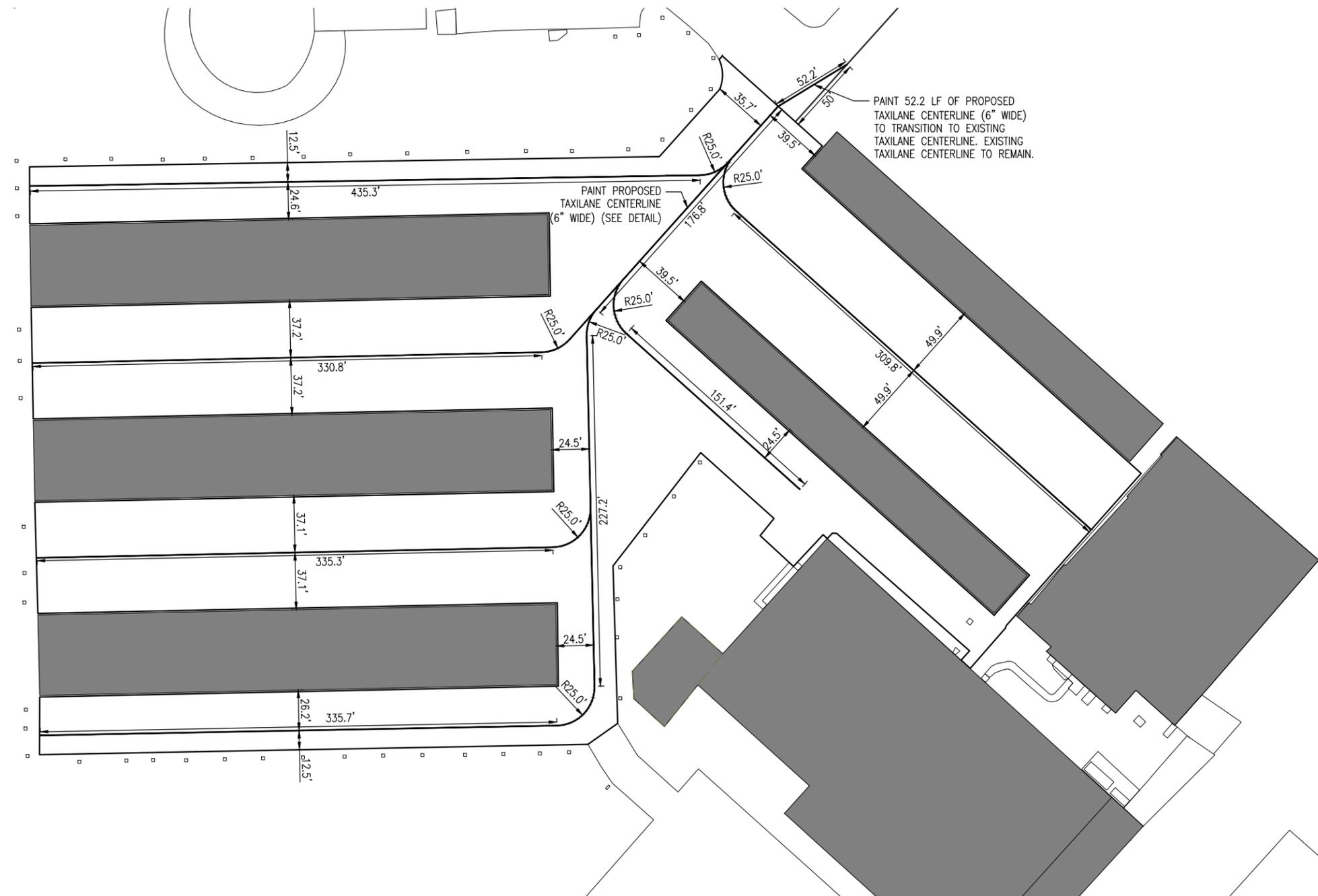
1. TYPE B GLASS BEADS SHALL BE REQUIRED FOR ALL YELLOW PERMANENT PAINT MARKINGS. GLASS BEADS ARE NOT REQUIRED FOR TEMPORARY MARKINGS OR BLACK PAINT. REFER TO SPECIFICATION ITEM 620 FOR ADDITIONAL INFORMATION.
2. PAINT SHALL MEET REQUIREMENTS OF TECHNICAL SPECIFICATION 620, WATERBORNE PAINT.
3. IMMEDIATELY PRIOR TO THE APPLICATION OF PAINT, ALL SURFACES SHALL BE DRY AND FREE FROM DIRT, GREASE, OIL, LAITANCE, OR OTHER FOREIGN MATERIAL WHICH WOULD REDUCE THE BOND BETWEEN THE PAINT AND THE PAVEMENT. THIS SHALL INCLUDE PAINTED AREAS ON THE EXISTING PAVEMENTS. REFER TO SPECIFICATION ITEM 620-3.3 FOR ADDITIONAL INFORMATION.
4. 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.
5. IF THE CONTRACTOR ELECTS TO "BLOCK PAINT" THE BLACK PAINT AND THEN PAINT YELLOW OVER THE BLACK PAINT; ONLY THE VISIBLE BLACK PAINT WILL BE ELIGIBLE FOR PAYMENT.

MARKING QUANTITIES	
YELLOW MARKING	TOTAL AREA (S.F.)
TAXILANE CENTERLINES	1,291
TOTAL YELLOW:	1,291
BLACK MARKING	TOTAL AREA (S.F.)
TAXILANE CENTERLINES	2,567
TOTAL BLACK:	2,567
TOTAL MARKING	3,858



LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PAVEMENT
- EXISTING REFLECTOR



FEB 24, 2021 4:46 PM HERND01562
I:\20\085\20A0052\CAD\AIRPORT\ISHEET\C-151-MRK.DWG

**RECONSTRUCT
BITUMINOUS
T-HANGAR TAXILANES
(WEST)**

SBG No: 3-17-SBGP-162
IDA No: ALN-4840

Contract No. SR094

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

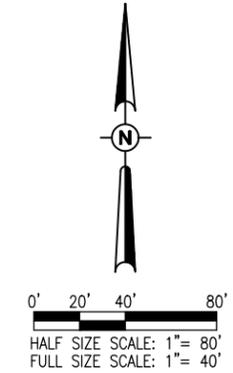
ISSUE: FEBRUARY 26, 2021
PROJECT NO: 20A0052
CAD FILE: C-151-MRK.DWG
DESIGN BY: JRH 09/30/2020
DRAWN BY: JRH 09/30/2020
REVIEWED BY: BSS 11/09/2020

SHEET TITLE

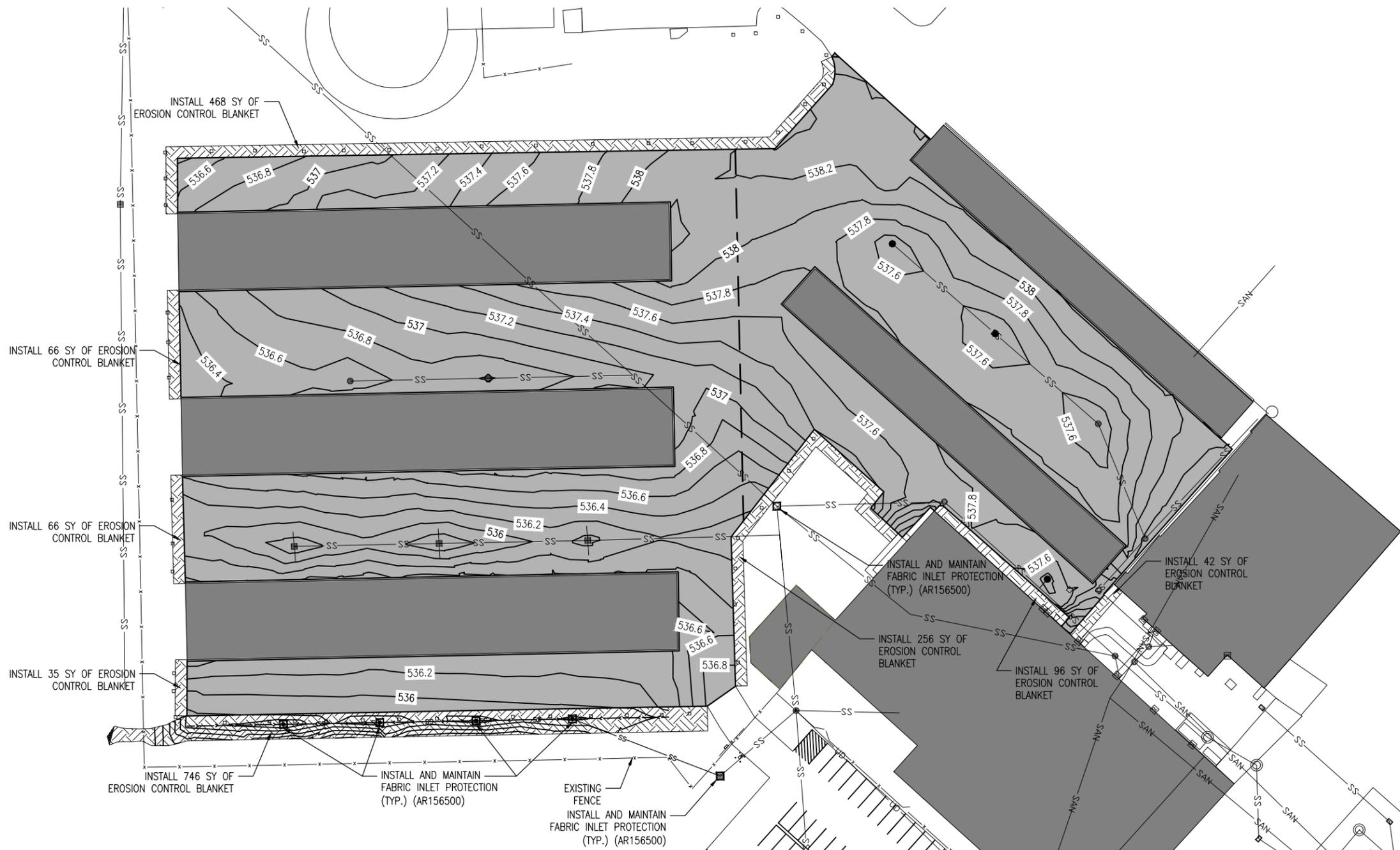
**PROPOSED MARKING
PLAN**

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.
5. A NPDES PERMIT WILL NOT BE REQUIRED ON THE PROJECT.



- LEGEND**
- EXISTING IMPROVEMENTS
 - EXISTING BUILDINGS
 - PROPOSED PAVEMENT
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - PROPOSED INLET
 - EXISTING INLETS
 - EXISTING REFLECTOR
 - PROPOSED SEEDING AND EROSION CONTROL BLANKET
 - PROPOSED FABRIC INLET PROTECTION
 - EXISTING FENCE



Offices Nationwide
www.hanson-inc.com

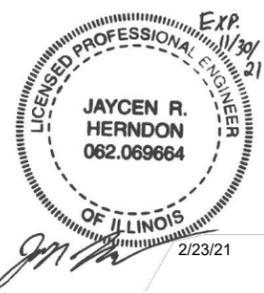
Hanson Professional Services Inc.
1525 S. 6th Street
Springfield, IL 62703
phone: 217-788-2450
fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084



ST. LOUIS REGIONAL AIRPORT AUTHORITY

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



RECONSTRUCT BITUMINOUS T-HANGAR TAXILANES (WEST)

SBG No: 3-17-SBGP-162
IDA No: ALN-4840

Contract No. SR094

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: FEBRUARY 26, 2021
PROJECT NO: 20A0052
CAD FILE: C-181-SWP.DWG
DESIGN BY: JRH 09/30/2020
DRAWN BY: JRH 09/30/2020
REVIEWED BY: BSS 11/09/2020

SHEET TITLE

STORM WATER POLLUTION PREVENTION PLAN

FEB 24, 2021 4:47 PM HERND01562
I:\2008\20A0052\CAD\AIRPORT\SHEET\C-181-SWP.DWG