

CONSTRUCTION PLANS - ISSUED NOVEMBER 22, 2017

REHABILITATION OF AIRPORT ACCESS
ROADS AND CONSTRUCTION OF AN
AIRPORT FUEL DEPOT LOOP ROAD

MID-AMERICAN AIR CENTER
LAWRENCEVILLE-VINCENNES
INTERNATIONAL AIRPORT
LAWRENCE COUNTY, ILLINOIS

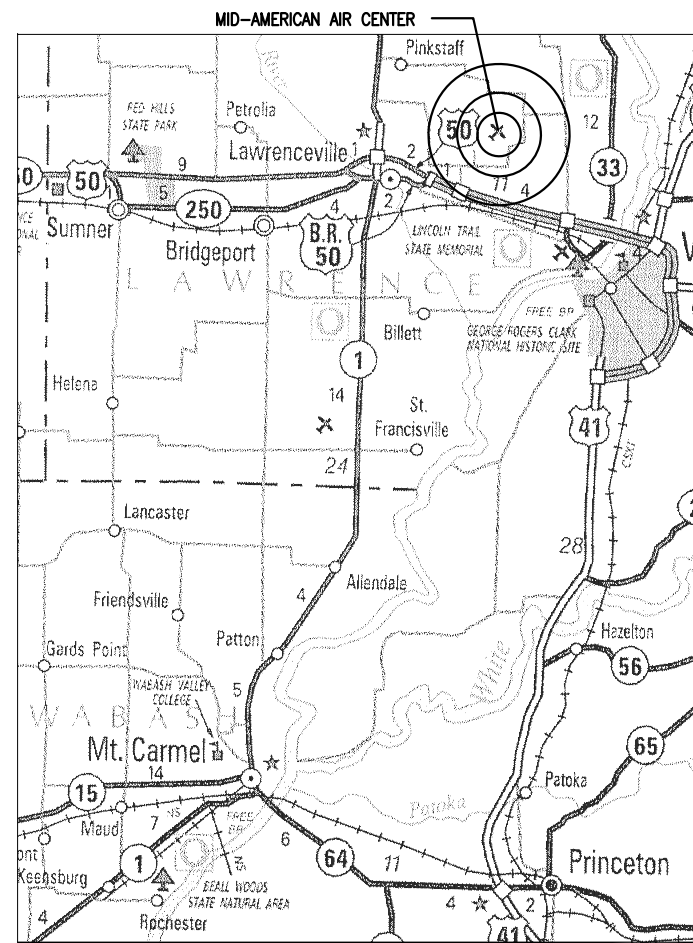
IDA PROJECT NO. LWV-4566
SBG PROJECT NO. 3-17-SBGP-120/133/139

SCOPE OF WORK

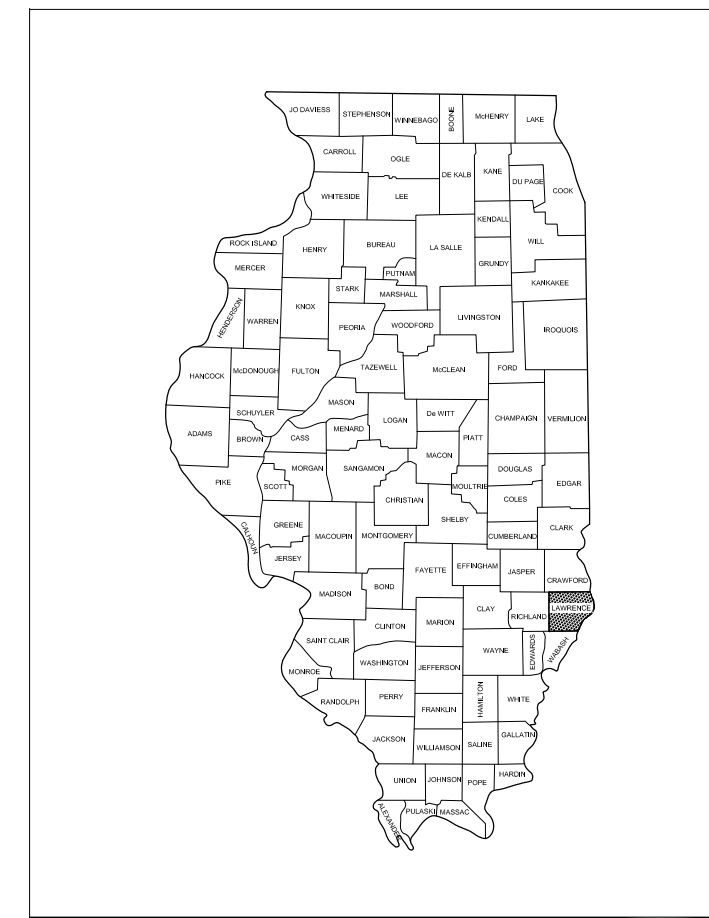
THIS PROJECT CONSISTS OF REHABILITATION OF HANGAR RD. AND GIBBS ST., AND THE CONSTRUCTION OF A NEW LOOP ACCESS ROAD TO THE FUEL DEPOT. THIS PROJECT INCLUDES CRACK REPAIR, PATCHING, BITUMINOUS PLACEMENT, MARKING AND ASSOCIATED ITEMS.

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.



VICINITY MAP



LOCATION MAP

No.	Issue/Description	Sheets Changed	Date	By

exp 11/30/19

11/22/17

Barry Stolz, P.E.
Project Engineer

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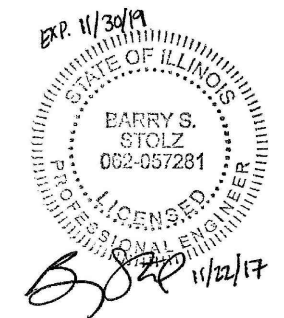
BI-STATE AUTHORITY
MID-AMERICAN AIR CENTER
LAWRENCEVILLE -VINCENNES INTERNATIONAL AIRPORT
13608 Hangar Rd.
Lawrenceville, Illinois 62439
Telephone: 618-943-5733

Paula C. Schmitt 11/21/17
Date

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SUMMARY OF QUANTITIES				
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	
AR152411	UNCLASSIFIED EXCAVATION	L.S.	1	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	1,000	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	684	
AR209700	CRUSHED AGG. SHOULDER	S.Y.	2,051	
AR401613	BIT. SURF. CSE.-METHOD I, SUPERPAVE	TON	1,519	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	345	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	145	
AR602510	BITUMINOUS PRIME COAT	GAL.	513	
AR603510	BITUMINOUS TACK COAT	GAL.	1,372	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	340	
AR701900	REMOVE PIPE	L.F.	42	
AR705548	8" NON PERFORATED UNDERDRAIN	L.F.	60	
AR705640	UNDERDRAIN CLEANOUT	EA.	2	
AR752903	REMOVE HEADWALL	EA.	2	
AR901510	SEEDING	ACRE	0.30	
AR908510	MULCHING	ACRE	0.30	
AR910200	ROADWAY SIGN	EA.	1	

INDEX TO SHEETS	
Sheet Number	Sheet Title
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SCOPE OF WORK
4	PROPOSED SAFETY PHASING PLAN
5	PROPOSED TYPICAL SECTIONS
6	PROPOSED DRAINAGE DETAILS
7	PROPOSED CONSTRUCTION PLAN - HANGAR RD. (NORTH)
8	PROPOSED CONSTRUCTION PLAN - HANGAR RD. (SOUTH)
9	PROPOSED CONSTRUCTION PLAN - GIBBS ST.
10	PROPOSED CONSTRUCTION PLAN - FUEL DEPOT LOOP
11	PROPOSED SIGN & MARKING PLAN - HANGAR RD. (NORTH)
12	PROPOSED SIGN & MARKING PLAN - HANGAR RD. (SOUTH)
13	PROPOSED SIGN & MARKING PLAN - GIBBS ST.



REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0015

CAD FILE: G-002-FLP.DWG

DESIGN BY: JRH 10/03/2017

DRAWN BY: JRH 10/03/2017

REVIEWED BY: BSS 11/21/2017

SHEET TITLE

SUMMARY OF QUANTITIES AND INDEX TO SHEETS

EARTHWORK QUANTITY SUMMARY				
WORK AREA	CUT (CY)	FILL (CY)	FILL + 20% (CY)	NET (CY)
FUEL LOOP	709	122	146	563 (EXCESS)
TOTAL	709**	122	146	563 (EXCESS)

** USED TO CALCULATE AR152411 PAY ITEM QUANTITY

NOTE: EARTHWORK QUANTITIES (CUT/FILL VOLUMES) WERE CALCULATED UTILIZING AUTODESK CIVIL3D 2017 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 VOLUME REQUIRED TO CORE OUT FOR THE PROPOSED PAVEMENT SECTION AS COMPARED TO THE EXISTING GROUND SURFACE, 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.

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.

SCOPE OF WORK

THIS PROJECT CONSISTS OF REHABILITATION OF HANGAR RD. AND GIBBS ST., AND THE CONSTRUCTION OF A NEW LOOP ACCESS ROAD TO THE FUEL DEPOT. THIS PROJECT INCLUDES CRACK REPAIR, PATCHING, BITUMINOUS PLACEMENT, MARKING AND ASSOCIATED ITEMS.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A DUMP TRUCK.

HAUL ROUTE AND VEHICLE PARKING

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL GRADE, FERTILIZE, SEED AND MULCH THE HAUL ROUTE AND PARKING AREA AS NEEDED TO RESTORE IT TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONTRACTOR RESPONSIBILITIES

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THIS AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE THIS AREA.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.

BARRICADES AND TRAFFIC CONES

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY-BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EROSION CONTROL

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

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 HIS 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

COUNTY _____ LAWRENCE
 CITY _____ LAWRENCEVILLE
 TOWNSHIP _____ ALLISON
 SECTION NO. _____ 23 & 26
 ADDRESS _____ LAWRENCEVILLE-VINCENNES AIRPORT
 13608 HANGAR ROAD
 LAWRENCEVILLE, ILLINOIS 62439

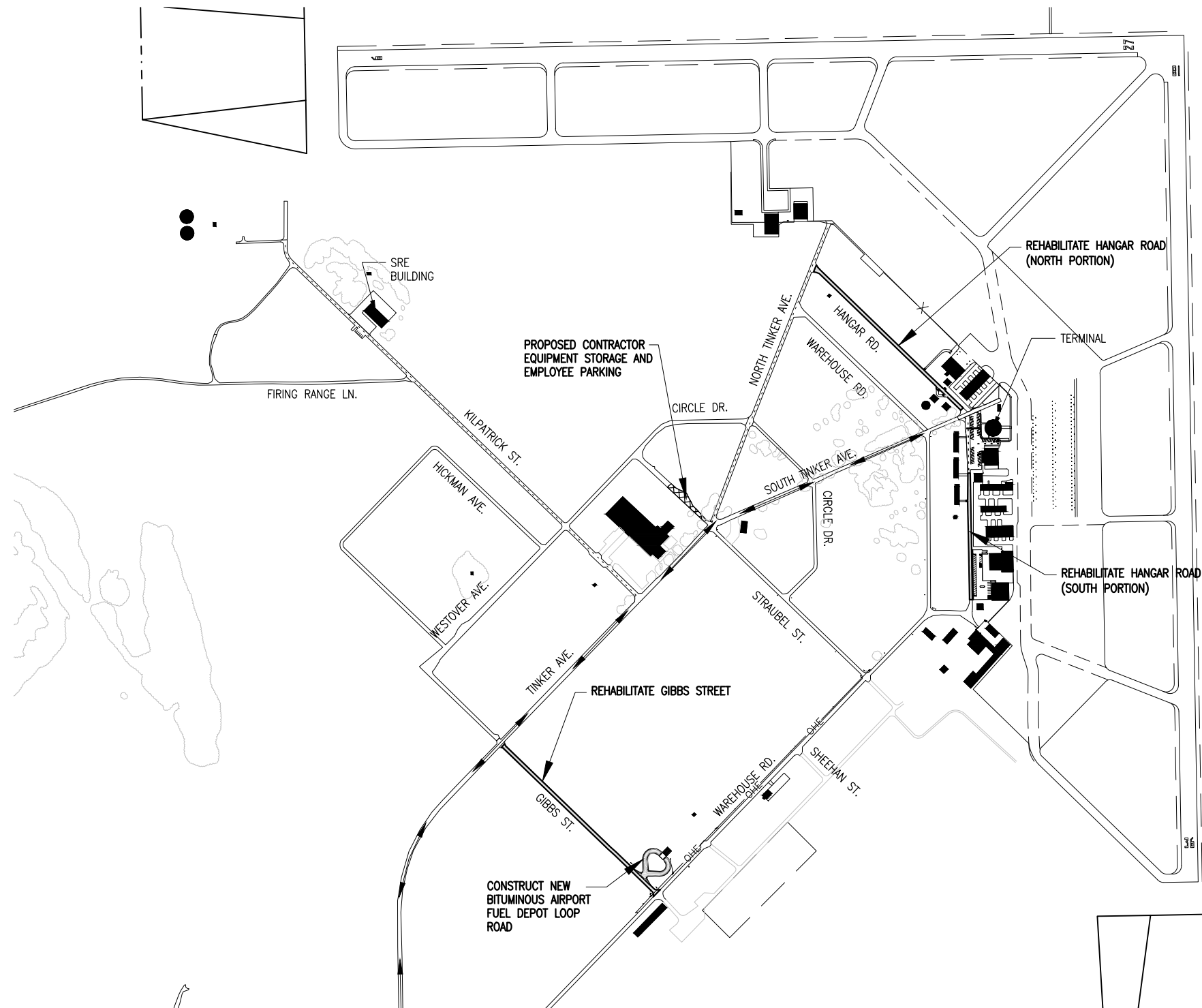


NOTE:
 THE CONSTRUCTION OF THE ROAD OVERLAY REQUIRES THE PLACEMENT OF 583 CUBIC YARDS OF FILL IN THE EXISTING FLOODPLAIN, AS RECOGNIZED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM). THE MITIGATION OF THIS FLOODPLAIN SHALL BE ACCOMPLISHED BY OTHERS (AIRPORT) OUTSIDE OF THIS CONTRACT.

LEGEND

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

0' 200' 400' 800'
 HALF SIZE SCALE: 1"= 800'
 FULL SIZE SCALE: 1"= 400'



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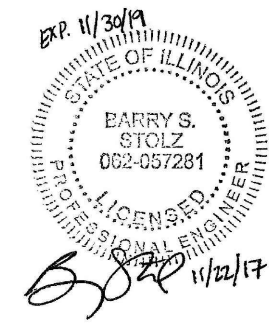
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Illinois Licensed
 Professional Service Corporation
 #184-001084

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES
 INTERNATIONAL AIRPORT

BI-STATE AUTHORITY
 LAWRENCEVILLE, ILLINOIS



REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0015
 CAD FILE: G-003-SOW.DWG
 DESIGN BY: JRH 10/03/2017
 DRAWN BY: JRH 10/03/2017
 REVIEWED BY: BSS 11/21/2017

SHEET TITLE

PROPOSED SCOPE OF WORK

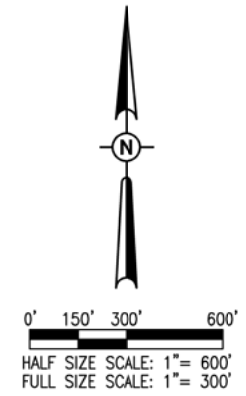
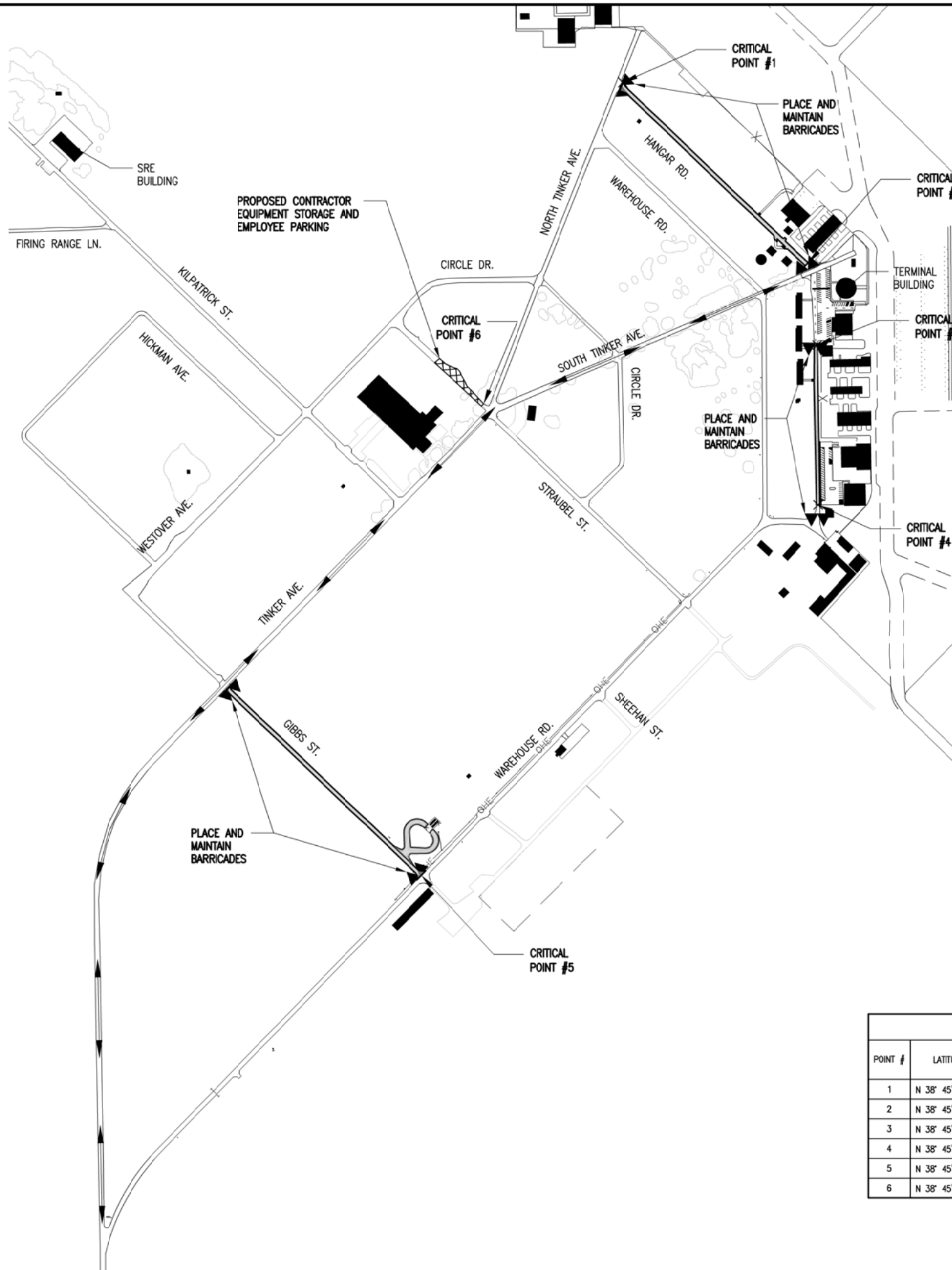
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PROPOSED SAFETY PLAN NOTES

1. THE LAWRENCEVILLE-VINCENNES AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING EITHER RUNWAY. ALL WORK WILL BE ON THE "LAND SIDE" OF THE AIRPORT PERIMETER FENCE.
2. WHEN THE CONTRACTOR'S 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 SHALL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.
3. ANOTHER ROADWAY REHABILITATION CONTRACT (LWV-4627) MAY BE WORKING IN THE SAME GENERAL AREA AND 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.
4. THE CONTRACTOR MAY WORK ON EACH INDIVIDUAL ROADWAY SEGMENT SIMULTANEOUSLY.
5. THE WORK ON THE SOUTH PORTION OF HANGAR ROAD MAY NOT OCCUR AT THE SAME TIME AS THE WORK ON THE PARALLEL PORTION OF WAREHOUSE ROAD (AS PART OF SEPARATE CONTRACT LWV-4627).

WORK ZONE TRAFFIC CONTROL - GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES AND CONFIGURATIONS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION.
2. THE CONTRACTOR SHALL PROVIDE ACCESS TO EXISTING BUILDINGS AND PARKING AREAS AT ALL TIMES DURING CONSTRUCTION. THIS MAY REQUIRE CONSTRUCTION OF TEMPORARY ENTRANCES OR WALKWAYS, IF REQUIRED. THE COST OF MAINTAINING THE ACCESS SHALL BE INCIDENTAL TO ITEM AR150540 - HAUL ROUTE, AND NO FURTHER CONSIDERATION WILL BE ALLOWED.
3. ADDITIONAL MEASURES MAY BE REQUIRED, PARTICULARLY DURING NON-WORKING HOURS, TO INSURE THE SAFETY OF WORKERS AND THE PUBLIC THROUGH THE CONSTRUCTION ZONE. SAID MEASURES SHALL BE INCIDENTAL TO ITEM AR150540 - HAUL ROUTE, AND NO FURTHER CONSIDERATION WILL BE ALLOWED.
4. THE CONTRACTOR SHALL PROVIDE ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL PROVIDE POSITIVE SEPARATION BETWEEN THE ACTIVE DRIVING LANE AND THE WORK ZONE FOR PROTECTION OF WORKERS AND THE TRAVELING PUBLIC. THE MINIMUM REQUIREMENT IS PLASTIC, FLEXIBLE VERTICAL PANELS OR DELINEATORS. ADDITIONAL MEASURES MAY BE REQUIRED DUE TO THE CONTRACTOR'S OPERATIONS. CONTRACTOR MAY USE DRUMS BUT NOT IN COMBINATION WITH OTHER METHODS SUCH AS VERTICAL PANELS OR DELINEATORS. SAID MEASURES SHALL BE INCIDENTAL TO ITEM AR150540 - HAUL ROUTE, AND NO FURTHER CONSIDERATION WILL BE ALLOWED.
6. THE POSTED SPEED THROUGH THE WORK ZONE SHALL BE 15MPH MAXIMUM, OR LESS IF DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN TO BE NECESSARY FOR THE SAFETY OF WORKERS AND THE TRAVELING PUBLIC. THE CONTRACTOR SHALL PROVIDE APPROPRIATE ADVANCE SIGNING, PER THE MUTCD AND STATE DOT (IF APPLICABLE), TO ADVISE AND WARN THE TRAVELING PUBLIC OF THE SPEED LIMIT DURING CONSTRUCTION.
7. THE SUGGESTED TRAFFIC CONTROL MEASURES ARE CONSIDERED THE MINIMUM FOR THIS PROJECT. IF THE CONTRACTOR'S OPERATIONS REQUIRE ADDITIONAL TRAFFIC CONTROL MEASURES, HE SHALL DEVELOP AND SUBMIT A REVISED TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO BEGINNING SUCH WORK. ALL TRAFFIC CONTROL MEASURES, WHETHER INCLUDED IN THE CONSTRUCTION DRAWINGS OR DUE TO THE CONTRACTOR'S OPERATIONS, SHALL BE INCIDENTAL TO ITEM AR150540 - HAUL ROUTE, WITH NO EXCEPTIONS.



- LEGEND**
- EXISTING PAVEMENTS
 - PROPOSED IMPROVEMENTS
 - EXISTING BUILDINGS
 - PROPOSED EQUIPMENT PARKING AREA
 - PROPOSED HAUL ROUTE
 - PROPOSED BARRICADES OR TRAFFIC CONES

POINT #	LATITUDE	LONGITUDE	GROUND ELEVATION	PROPOSED EQUIPMENT HEIGHT	PROPOSED EQUIPMENT ELEVATION
1	N 38° 45' 50.83"	W 87° 36' 31.90"	422.0	25.0'	447.0
2	N 38° 45' 42.13"	W 87° 36' 20.66"	423.0	25.0'	448.0
3	N 38° 45' 38.19"	W 87° 36' 20.15"	423.0	25.0'	448.0
4	N 38° 45' 30.53"	W 87° 36' 20.18"	425.0	25.0'	450.0
5	N 38° 45' 12.95"	W 87° 36' 44.60"	421.0	25.0'	446.0
6	N 38° 45' 35.49"	W 87° 36' 40.57"	423.0	25.0'	448.0



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MID-AMERICAN AIR CENTER
LAWRENCEVILLE-VINCENNES
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REHABILITATION OF
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AN AIRPORT FUEL
DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

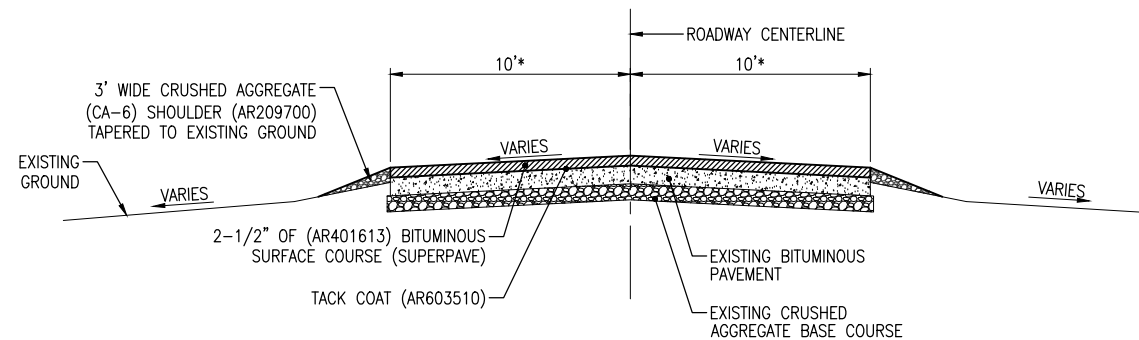
NO.	DATE	DESCRIPTION

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PROJECT NO: 17A0015
CAD FILE: G-004-SFY.DWG
DESIGN BY: CWS 07/10/2017
DRAWN BY: CWS 07/10/2017
REVIEWED BY: BSS 11/21/2017

SHEET TITLE

PROPOSED SAFETY
PHASING PLAN



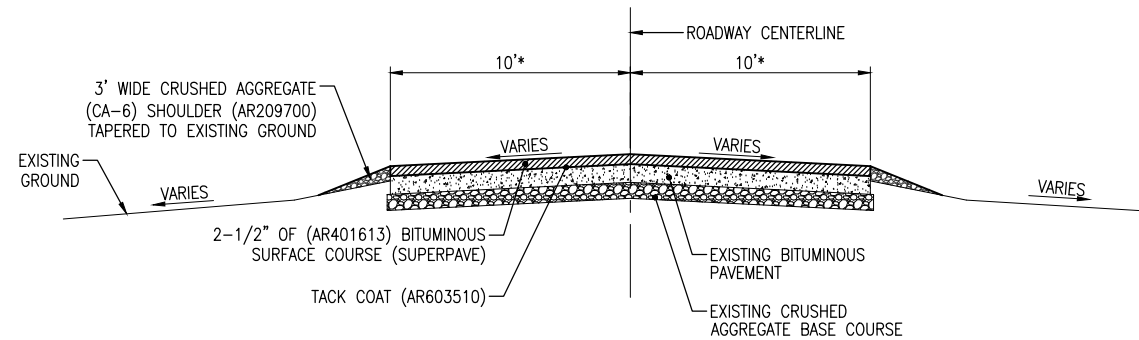
PROPOSED TYPICAL SECTION - HANGAR ROAD

NOT TO SCALE

*WIDTHS VARY AT INTERSECTIONS. AVERAGE WIDTHS SHOWN.

NOTE: EXISTING SECTION IS ESTIMATED TO BE 3\"/>

NOTE: CONTRACTOR SHALL MAINTAIN A CONTINUOUS PAVING OPERATION AS MUCH AS IS FEASIBLE.



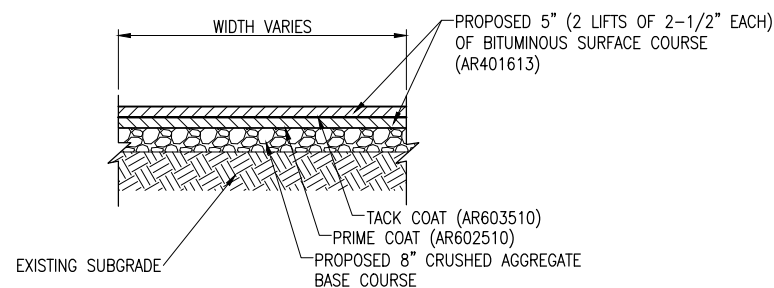
PROPOSED TYPICAL SECTION - GIBBS STREET

NOT TO SCALE

*WIDTHS VARY AT INTERSECTIONS. AVERAGE WIDTHS SHOWN.

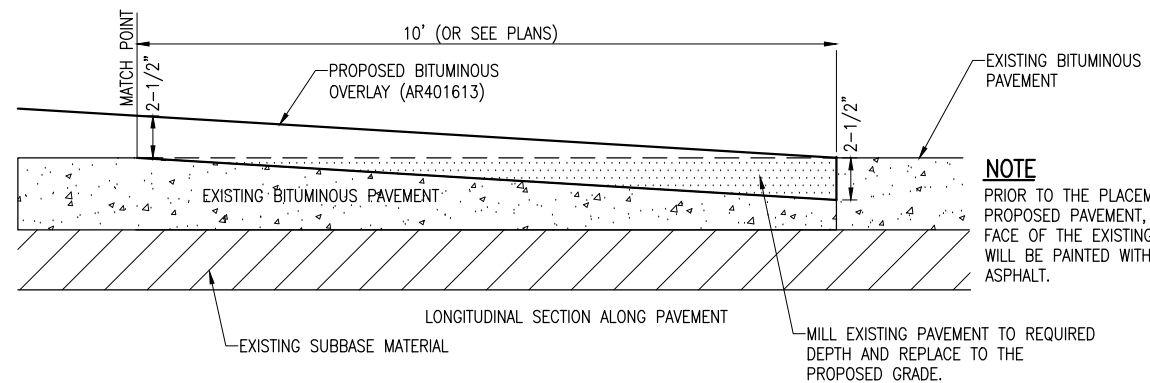
NOTE: EXISTING SECTION IS ESTIMATED TO BE 3\"/>

NOTE: CONTRACTOR SHALL MAINTAIN A CONTINUOUS PAVING OPERATION AS MUCH AS IS FEASIBLE.



PROPOSED TYPICAL SECTION - AIRPORT FUEL DEPOT LOOP ROAD

NOT TO SCALE



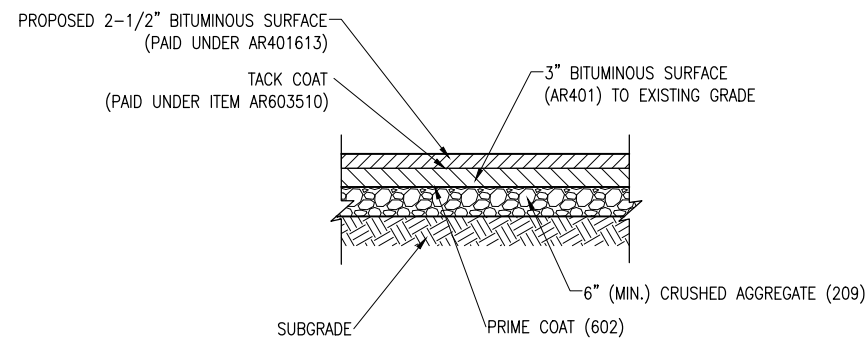
PROPOSED BUTT JOINT DETAIL

NOT TO SCALE

NOTE
PRIOR TO THE PLACEMENT OF THE PROPOSED PAVEMENT, THE VERTICAL FACE OF THE EXISTING PAVEMENT WILL BE PAINTED WITH A LIQUID ASPHALT.

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 STANDARD SPECIFICATIONS, 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 2-1/2" 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.
6. THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM: AR401655 "BUTT JOINT CONSTRUCTION", PER S.Y.

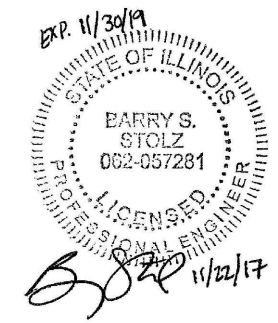


FULL DEPTH PAVEMENT REPAIR

NOT TO SCALE

NOTE

THE AREA(S) DESIGNATED ON THE CONSTRUCTION PLAN SHEETS OR AS DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN WILL HAVE THE EXISTING BITUMINOUS PAVEMENT REMOVED (FULL DEPTH) AND REPLACED WITH BITUMINOUS MATERIAL. THE BASE WILL BE EXAMINED UPON REMOVAL BY THE RESIDENT ENGINEER AND IF IT APPEARS UNSTABLE IT WILL BE REPLACED BY NO LESS THAN 6 INCHES OF CRUSHED AGGREGATE BASE COURSE. THE COST OF PAVEMENT REMOVAL, THE CRUSHED AGGREGATE, PRIME COAT, BITUMINOUS SURFACE COURSE UP TO EXISTING GRADE ELEVATION, AND ALL LABOR AND INCIDENTALS TO COMPLETE THIS WORK SHALL BE PAID FOR UNDER ITEM 401910, REMOVE & REPLACE BIT. PAVEMENT, PER SQUARE YARD.



REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0015

CAD FILE: C-302-TYP.DWG

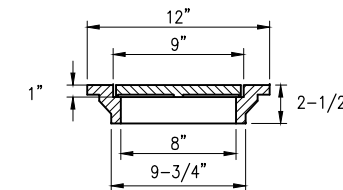
DESIGN BY: CWS 07/10/2017

DRAWN BY: CWS 07/10/2017

REVIEWED BY: BSS 11/21/2017

SHEET TITLE

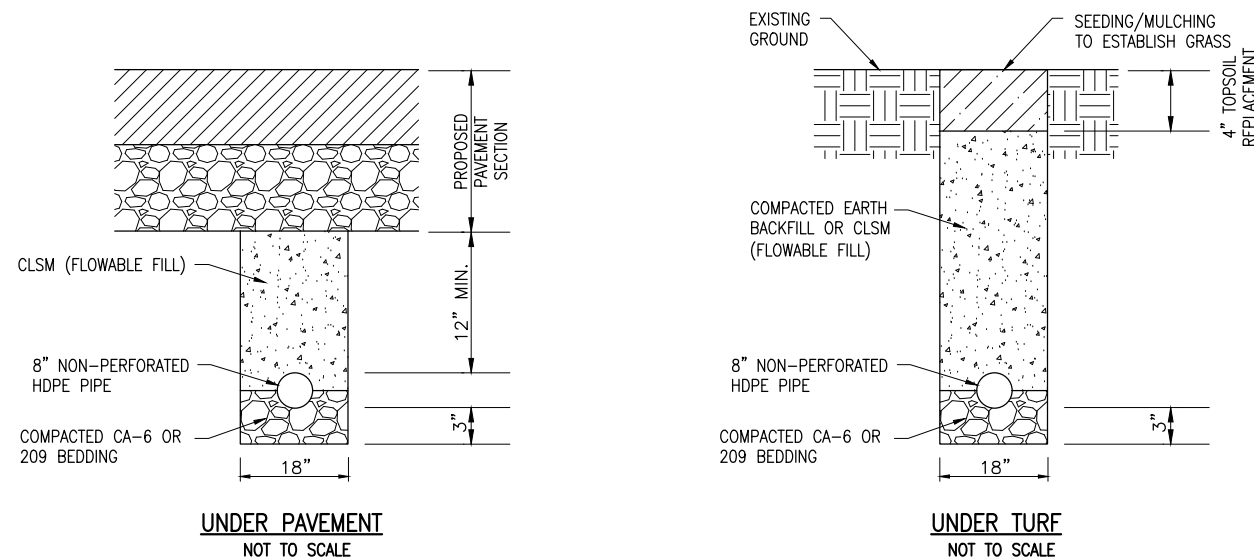
PROPOSED TYPICAL SECTIONS



CAST IRON FRAME AND GRATE

NEENAH R-6450-AG,
EAST JORDAN 6206 DRAINAGE GRATE,
OR APPROVED EQUAL

NOTE: CONTRACTOR TO VERIFY FRAME/GRATE WILL
WORK WITH PROPOSED PIPE PRIOR TO ORDERING.

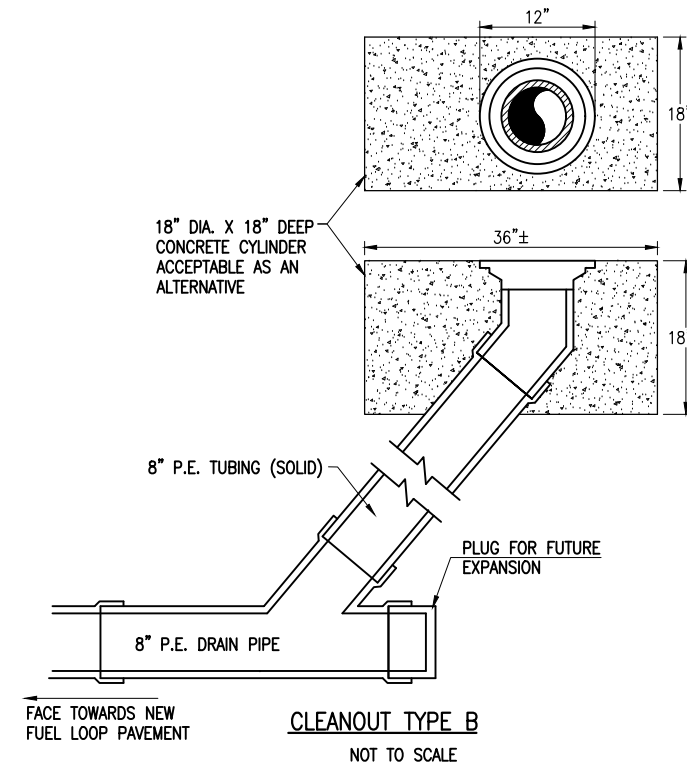


NON-PERFORATED PIPE TRENCH DETAILS

NOT TO SCALE

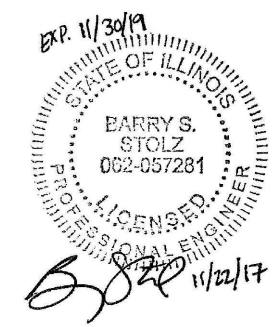
NOTES:

1. COST OF ALL WORK ASSOCIATED WITH THESE DETAILS SHALL BE INCLUDED IN COST OF PAY ITEM FOR 8" HDPE PIPE.
2. CLSM (CONTROLLED LOW STRENGTH MATERIAL) SHALL MEET ALL REQUIREMENTS IN IDOT APPROVED DESIGN AS SET FORTH IN THE CURRENT IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



CLEANOUT NOTES

1. DIAMETER OF PIPE AS SPECIFIED.
2. TOP OF CLEANOUTS SHALL BE FLUSH WITH FINISHED GROUND LINE AT LOCATION SHOWN ON PLANS.
3. 1/2" CHAMFER TO BE USED ON ALL EXPOSED EDGES OF CLEANOUTS.
4. THE CONCRETE SHALL BE STRUCTURAL PORTLAND CEMENT CONCRETE (NON-REINFORCED) IN ACCORDANCE WITH SPECIFICATION 610.



REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0015

CAD FILE: C-501-DRN.DWG

DESIGN BY: BSS 11/20/2017

DRAWN BY: JRH 11/20/2017

REVIEWED BY: BSS 11/21/2017







SHEET TITLE

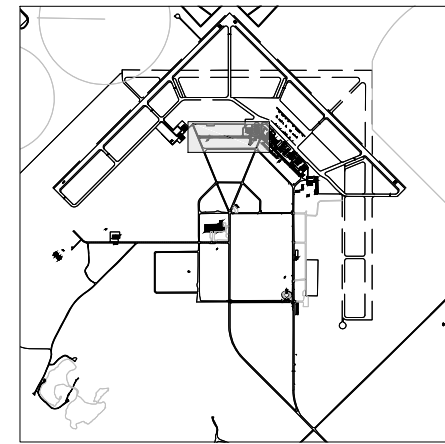
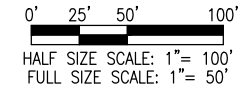
PROPOSED DRAINAGE DETAILS

CONSTRUCTION NOTES

- EXISTING CRACKS IN THE ROADWAY PAVEMENT HAVE VEGETATION GROWTH PRESENT, IN VARIOUS AMOUNTS DEPENDING ON LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE VEGETATION WITHIN THE PAVEMENT LIMITS AND TREATING THE CRACKS WITH VEGETATION KILLER PRIOR TO THE BITUMINOUS OVERLAY. THIS WORK SHALL BE INCIDENTAL TO OTHER WORK ITEMS AND NO FURTHER PAYMENT SHALL BE MADE.
- PROPOSED FULL DEPTH REPAIR LOCATIONS THAT ARE SHOWN OUTSIDE OF THE EXISTING MAINLINE ROADWAY LIMITS ARE AREAS THAT ARE NOT CURRENTLY PAVED. THEY ARE EITHER EXISTING TURF, AGGREGATE, OR A COMBINATION OF BOTH. THE INTENT IS TO REMOVE THE EXISTING MATERIAL TO THE DEPTH OF THE PROPOSED REPAIR SECTION, AND CONSTRUCT A NEW PAVEMENT SECTION PER THE TYPICAL SECTIONS. THE COST TO REMOVE THE EXISTING MATERIAL AND ESTABLISH THE NEW PAVEMENT SECTION SHALL BE PAID FOR UNDER ITEM AR401910, REMOVE & REPLACE BIT. PAVEMENT.

LEGEND

-  EXISTING PAVEMENTS
-  EXISTING BUILDINGS
-  PROPOSED IMPROVEMENTS
-  PROPOSED BUTT JOINT
-  PROPOSED FULL DEPTH REPAIR
-  PROPOSED SHOULDER LIMITS



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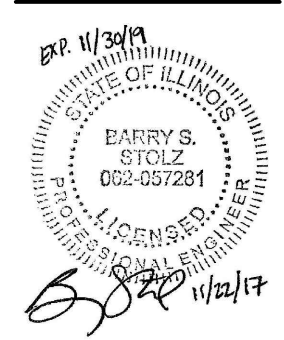
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phone: 217-788-2450
fax: 217-788-2503

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Professional Service Corporation
#184-001084

MID-AMERICAN AIR CENTER
LAWRENCEVILLE-VINCENNES
INTERNATIONAL AIRPORT

BI-STATE AUTHORITY
LAWRENCEVILLE, ILLINOIS



REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0015

CAD FILE: C-121-CON.DWG

DESIGN BY: CWS 07/17/2017

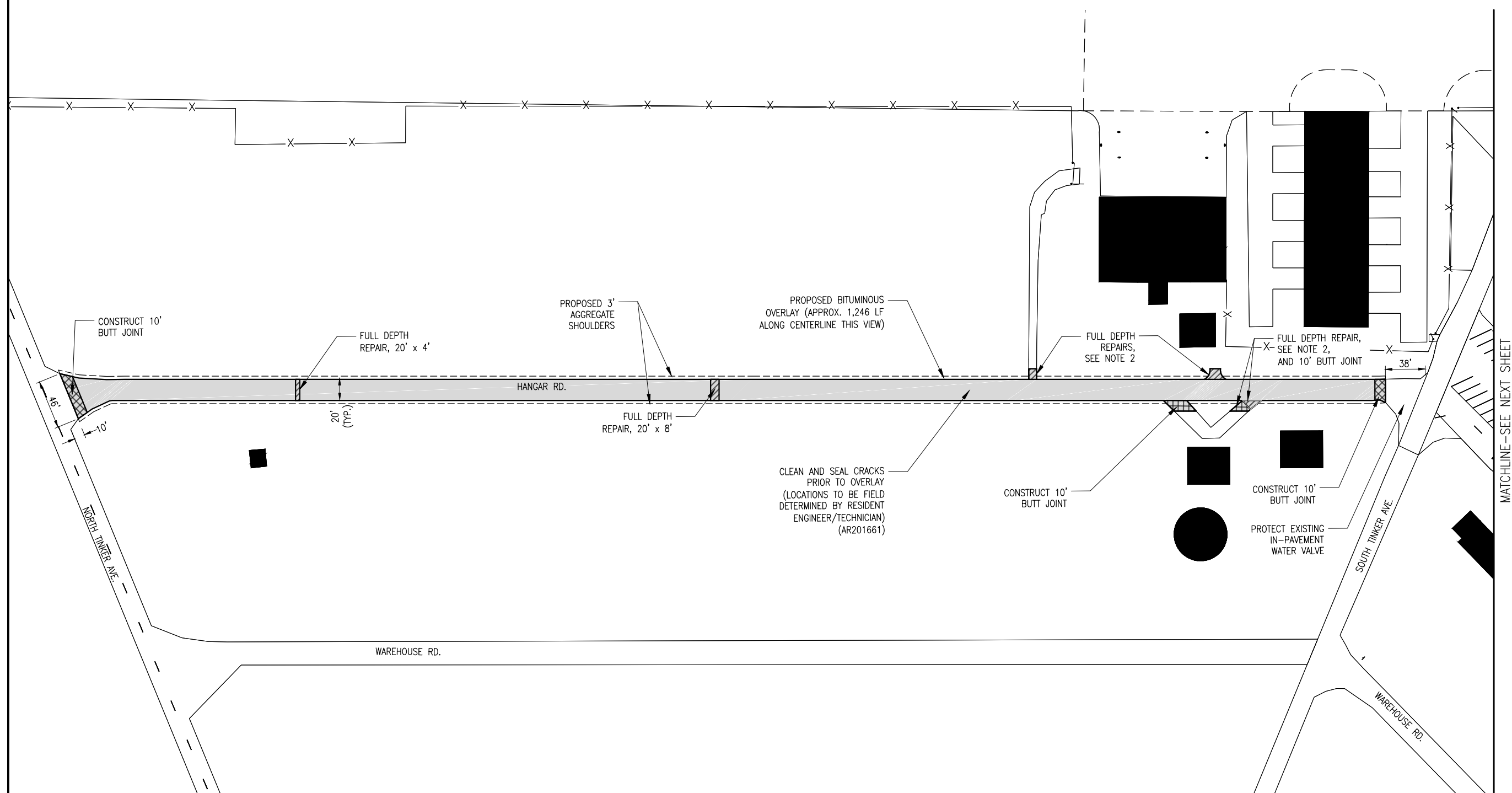
DRAWN BY: CWS 07/07/2017

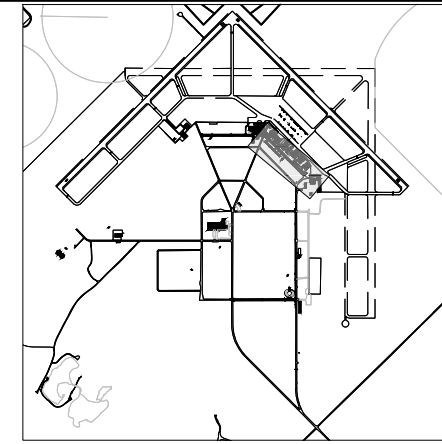
REVIEWED BY: BSS 11/21/2017

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - HANGAR RD. (NORTH)

NOV 22, 2017 10:17 AM STOLZ01547 I:\17\JOBS\17A0015\17A0015\CAD\AIRPORT\121-CON.DWG





LEGEND

- EXISTING PAVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED BUTT JOINT
- PROPOSED FULL DEPTH REPAIR
- PROPOSED SHOULDER LIMITS

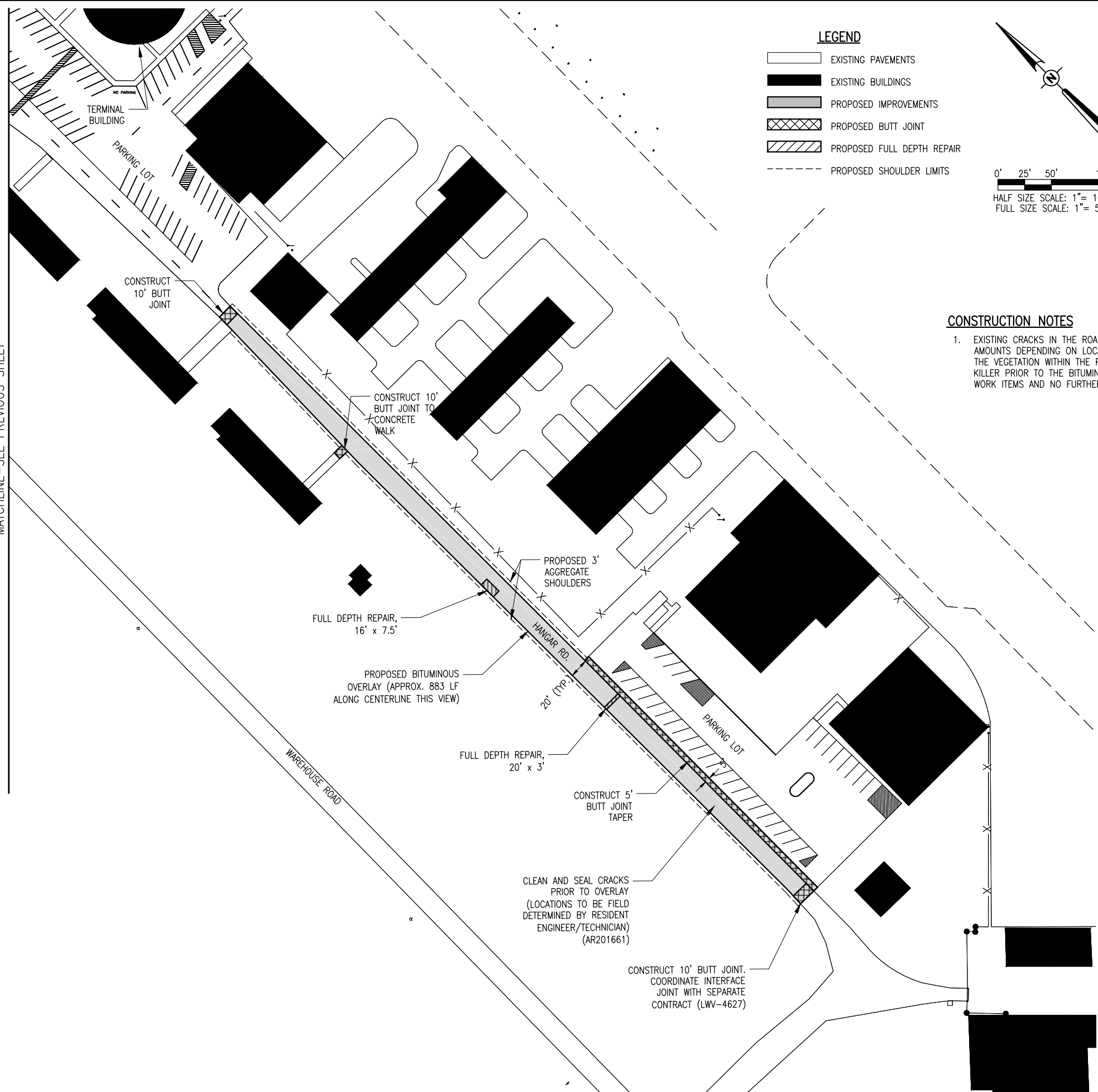
0' 25' 50' 100'

HALF SIZE SCALE: 1" = 100'
FULL SIZE SCALE: 1" = 50'

CONSTRUCTION NOTES

- EXISTING CRACKS IN THE ROADWAY PAVEMENT HAVE VEGETATION GROWTH PRESENT, IN VARIOUS AMOUNTS DEPENDING ON LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE VEGETATION WITHIN THE PAVEMENT LIMITS AND TREATING THE CRACKS WITH VEGETATION KILLER PRIOR TO THE BITUMINOUS OVERLAY. THIS WORK SHALL BE INCIDENTAL TO OTHER WORK ITEMS AND NO FURTHER PAYMENT SHALL BE MADE.

MATCHLINE - SEE PREVIOUS SHEET



EXP. 11/30/19

BARRY S. STOLZ
002-057281
LICENSED PROFESSIONAL ENGINEER

B. Stolz 11/22/17

REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0015

CAD FILE: C-121-CON.DWG

DESIGN BY: CWS 07/07/2017

DRAWN BY: CWS 07/07/2017

REVIEWED BY: BSS 11/21/2017

SHEET TITLE

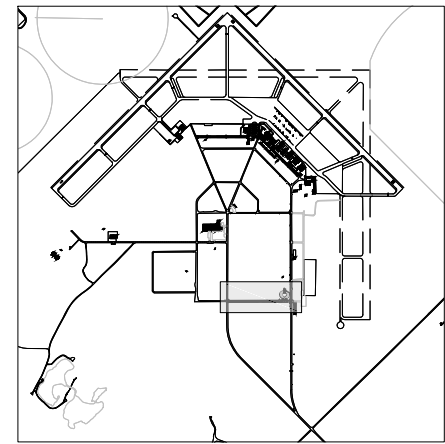
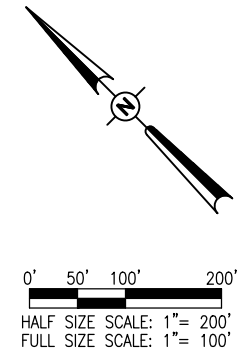
PROPOSED CONSTRUCTION PLAN - HANGAR RD. (SOUTH)

CONSTRUCTION NOTES

- EXISTING CRACKS IN THE ROADWAY PAVEMENT HAVE VEGETATION GROWTH PRESENT, IN VARIOUS AMOUNTS DEPENDING ON LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE VEGETATION WITHIN THE PAVEMENT LIMITS AND TREATING THE CRACKS WITH VEGETATION KILLER PRIOR TO THE BITUMINOUS OVERLAY. THIS WORK SHALL BE INCIDENTAL TO OTHER WORK ITEMS AND NO FURTHER PAYMENT SHALL BE MADE.

LEGEND

- EXISTING PAVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED BUTT JOINT
- PROPOSED FULL DEPTH REPAIR
- PROPOSED SHOULDER LIMITS



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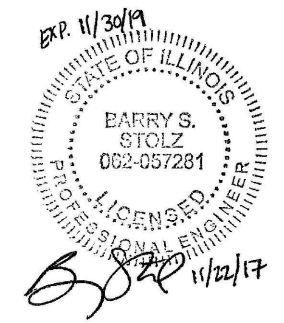
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REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

NO.	DATE	DESCRIPTION		
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ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0015

CAD FILE: C-121-CON.DWG

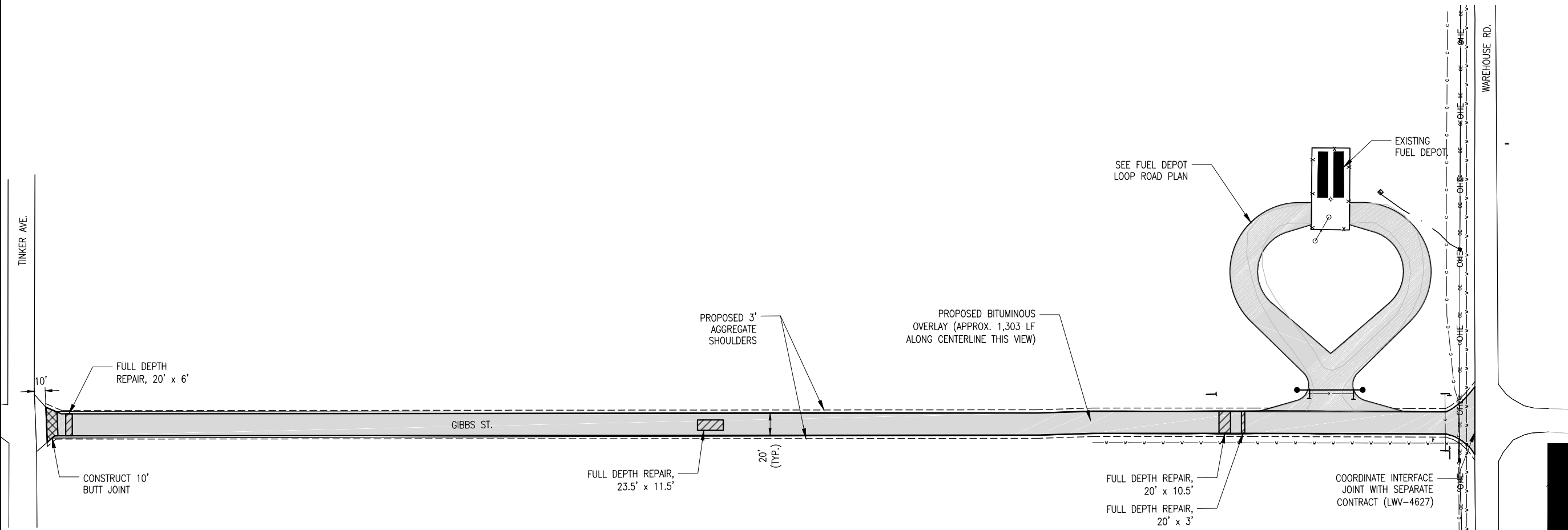
DESIGN BY: CWS 07/07/2017

DRAWN BY: CWS 07/07/2017

REVIEWED BY: BSS 11/21/2017

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - GIBBS ST.



SURVEY CONTROL NOTES (FOR REFERENCE NEXT SHEET)

- HORIZONTAL CONTROL.** CONTROL MONUMENTS FOR THIS SURVEY WERE ESTABLISHED BY OCCUPYING ON-SITE CONTROL AND PERFORMING STATIC MEASUREMENTS FOR 6 HOURS, 00 MINUTES ON OCTOBER 3, 2017. THE STATIC OBSERVATION FILES WERE THEN SUBMITTED TO NGS FOR OPUS PROCESSING OF THE GEODETIC POSITION. TOPOGRAPHIC DATE WAS THEN TIED IN BY GPS REAL-TIME KINEMATIC MEASUREMENTS AND CONVENTIONAL TOTAL STATION MEASUREMENTS MADE FROM CONTROL POINTS. X, Y AND Z VALUES FOR THE POINTS COLLECTED ARE BASED ON THE NAD 83(2011) VALUE CALCULATED BY OPUS AND PROCESSED AS GRID COORDINATES OF THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE.

CP2 - 5/8" IRON PIN WITH "PROVIDENCE LG CONTROL POINT" CAP SET FLUSH, ±20' SOUTHWEST OF THE CENTERLINE OF WAREHOUSE ROAD AND ±29' NORTHEAST OF THE CENTERLINE OF GIBBS STREET.

NORTHING (Y): 760,732.52 EASTING (X): 1,189,896.77 ELEVATION: 424.43

CP3 - 5/8" IRON PIN WITH "PROVIDENCE LG CONTROL POINT" CAP SET FLUSH, ±19' NORTHEAST OF THE CENTERLINE OF GIBBS STREET, ±344' NORTHWEST OF THE INTERSECTION OF WAREHOUSE ROAD AND GIBBS STREET. CP IS 4.2' NORTHWEST OF MONITORING WELL.

NORTHING (Y): 760,975.01 EASTING (X): 1,189,623.93 ELEVATION: 424.87

CP506 - MAG NAIL SET FLUSH WITH PAVEMENT, ±9' SOUTHWEST OF THE CENTERLINE OF WAREHOUSE ROAD AND ±303' NORTHEAST OF THE INTERSECTION OF WAREHOUSE ROAD AND GIBBS STREET.

NORTHING (Y): 760,937.88 EASTING (X): 1,190,079.31 ELEVATION: 425.09

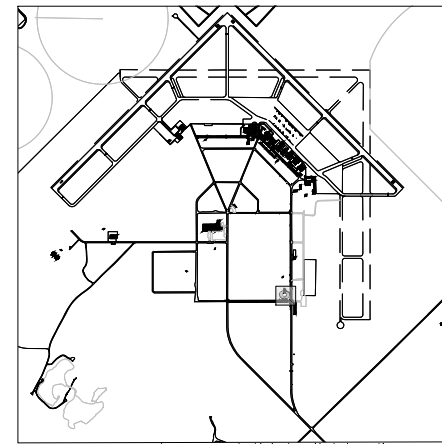
CP507 - MAG NAIL SET FLUSH WITH PAVEMENT, ±22' SOUTHWEST OF THE CENTERLINE OF TINKER AVENUE AND ±18' NORTHEAST OF THE CENTERLINE OF GIBBS STREET (NOT SHOWN THIS SURVEY).

NORTHING (Y): 761,649.51 EASTING (X): 1,188,926.28 ELEVATION: 424.75

- VERTICAL CONTROL.** ELEVATIONS ARE BASED ON NAVD88 DATUM UTILIZING GEOID 12B.

TBM 1 - RAILROAD SPIKE 12" ABOVE GRADE ON SOUTHWEST SIDE OF UTILITY POLE (NO POLE # ID) ON THE NORTHWEST SIDE OF WAREHOUSE ROAD, ±340' FROM THE INTERSECTION OF WAREHOUSE ROAD AND GIBBS STREET. ELEVATION: 425.25

TBM 2 - RAILROAD SPIKE 12" ABOVE GRADE ON NORTHEAST SIDE OF UTILITY POLE (#197432), AT THE WEST QUADRANT OF THE INTERSECTION OF WAREHOUSE ROAD AND GIBBS STREET. ELEVATION: 425.19



STRUCTURE NOTES

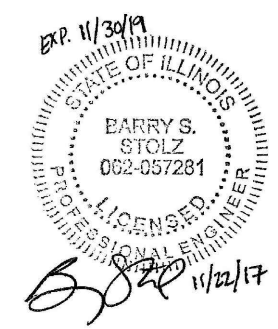
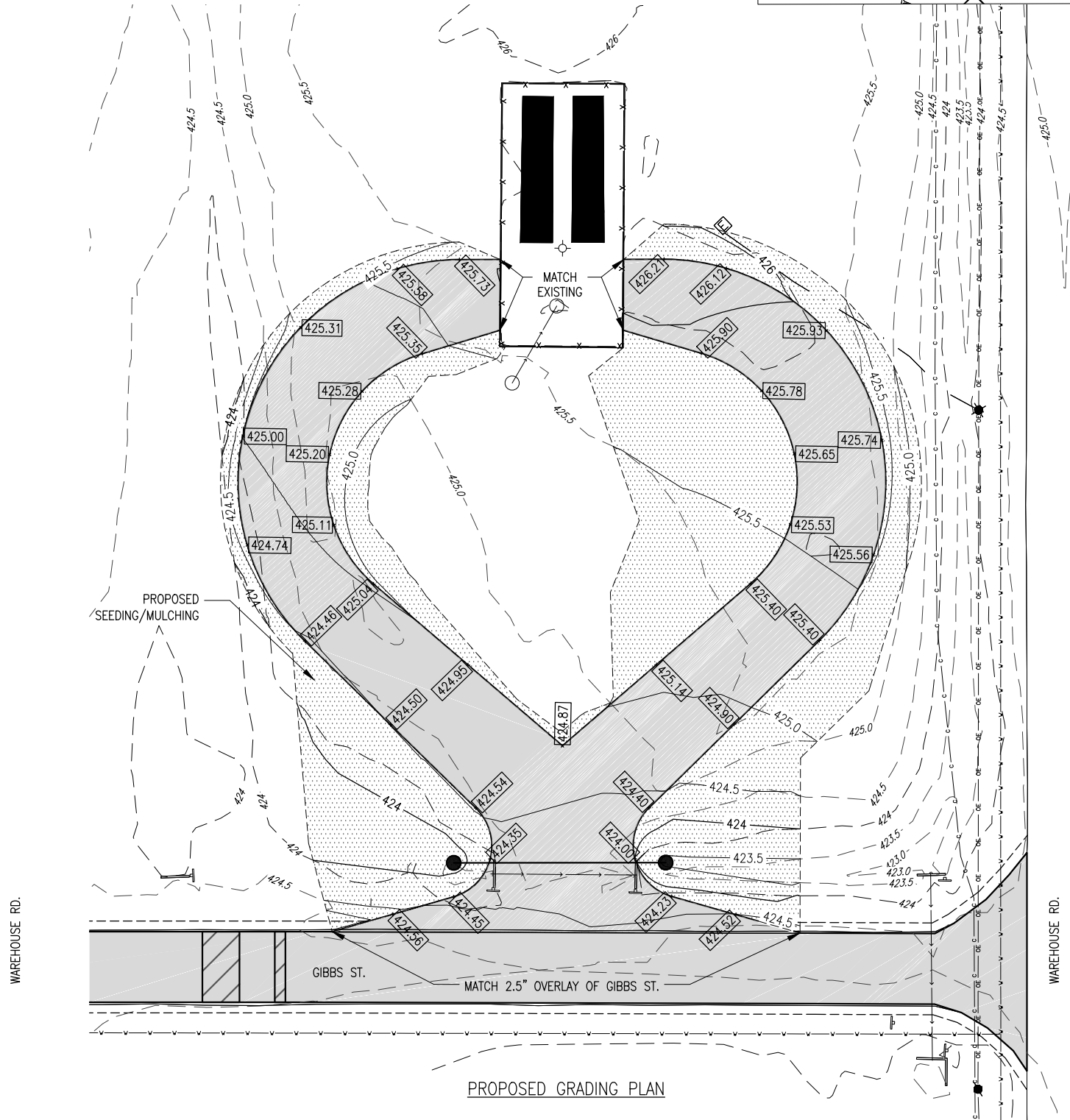
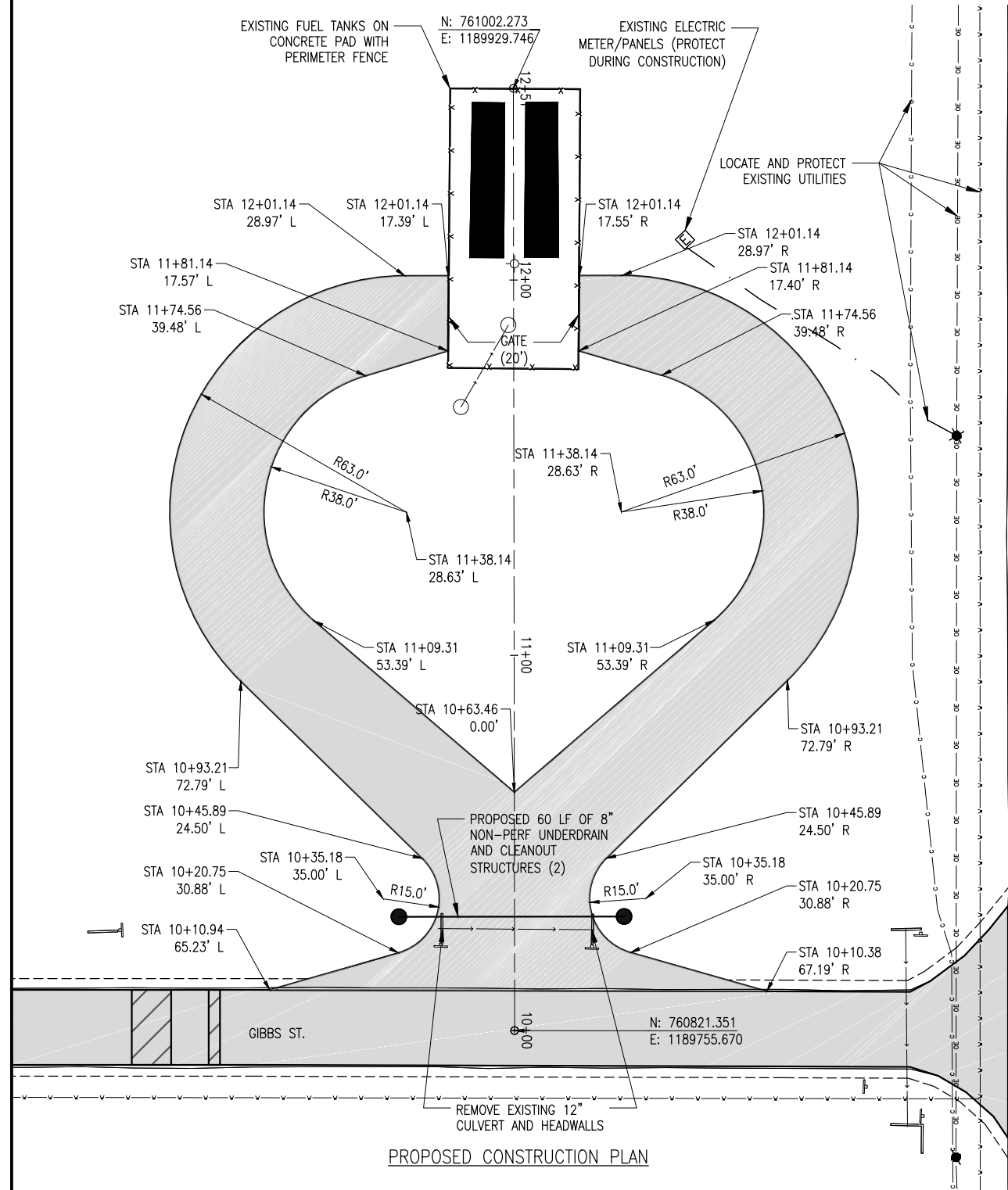
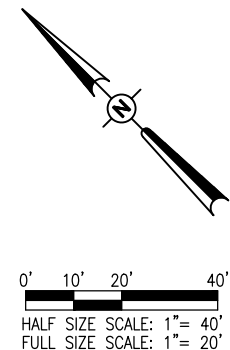
PROPOSED 60 LF OF 8" NON-PERFORATED UNDERDRAIN (AR705548)
AND TWO (2) CLEANOUT STRUCTURES (AR705640)
U.S. TOC ELEV. = 423.80
U.S. INV. ELEV. = 420.80
D.S. TOC ELEV. = 423.40
D.S. INV. ELEV. = 420.40

SURVEY CONTROL NOTES

SEE PREVIOUS SHEET

LEGEND

- EXISTING PAVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED BUTT JOINT
- PROPOSED FULL DEPTH REPAIR
- PROPOSED SEEDING/MULCHING
- PROPOSED SHOULDER LIMITS



REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

Contract No. LW028

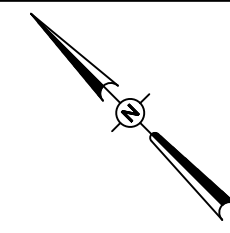
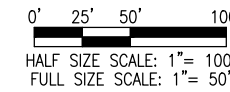
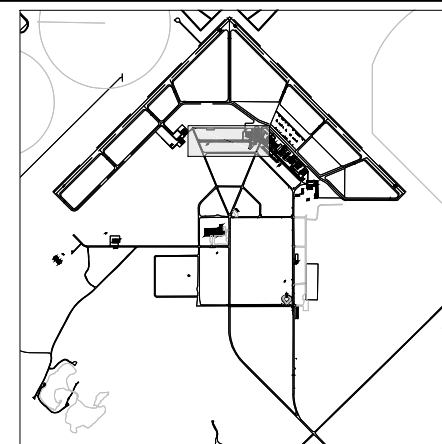
NO.	DATE	DESCRIPTION

ISSUE: NOVEMBER 22, 2017
PROJECT NO: 17A0015
CAD FILE: C-121-CON.DWG
DESIGN BY: CWS 07/07/2017
DRAWN BY: CWS 07/07/2017
REVIEWED BY: BSS 11/21/2017

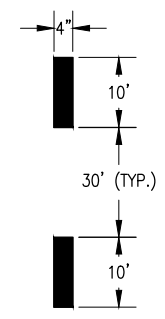
SHEET TITLE

PROPOSED CONSTRUCTION PLAN - FUEL DEPOT LOOP

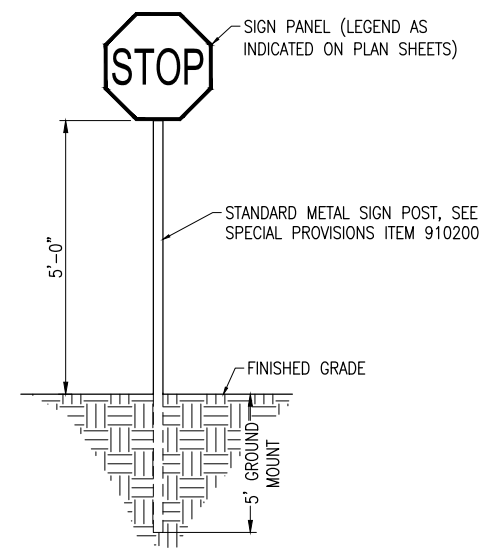
NOV 22, 2017 10:17 AM STOLZ01547
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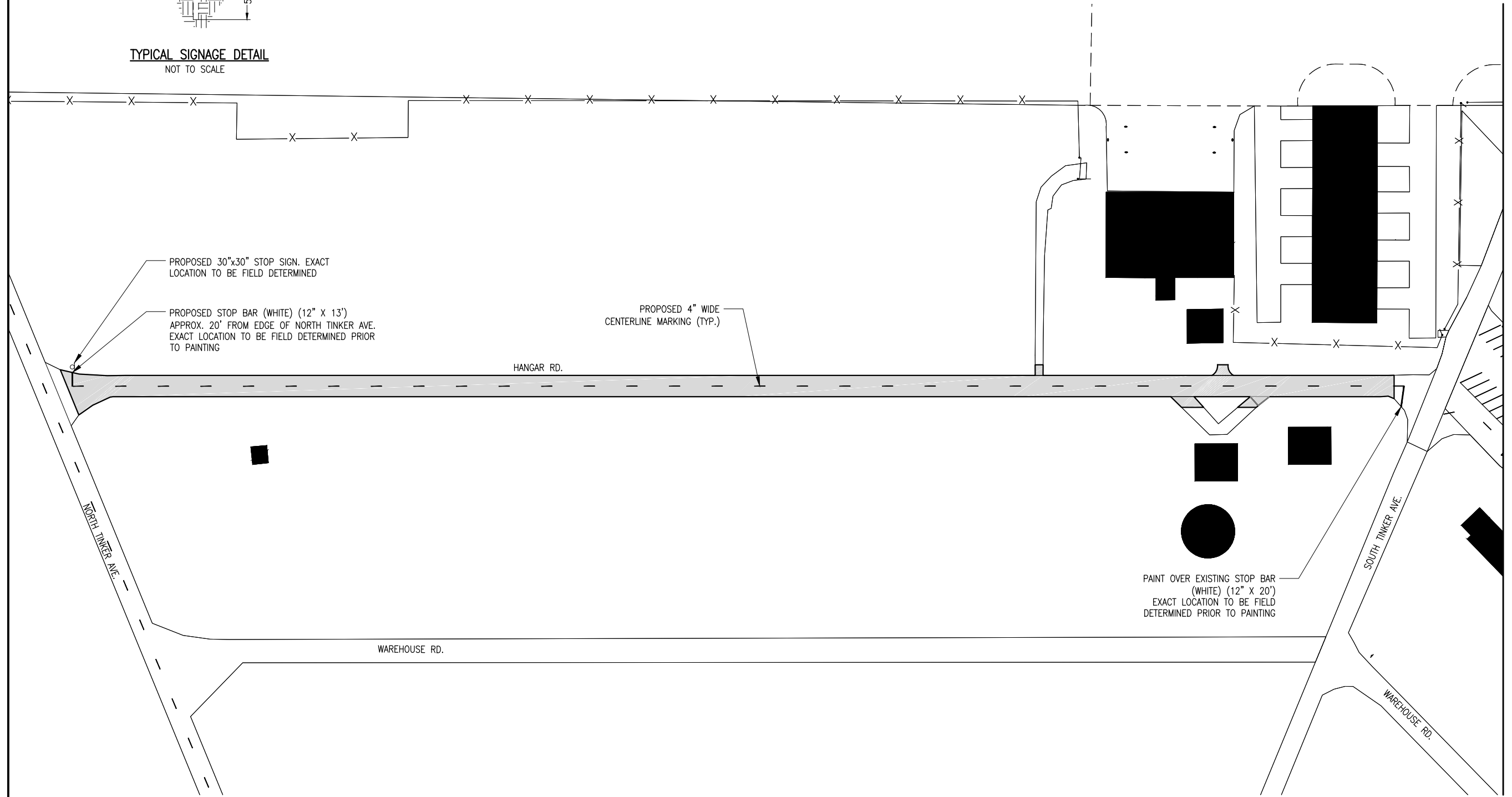
- LEGEND**
- EXISTING PAVEMENTS
 - EXISTING BUILDINGS
 - PROPOSED IMPROVEMENTS
 - PROPOSED PAVEMENT MARKING
 - PROPOSED TRAFFIC SIGN



ROADWAY CENTERLINE STRIPES, YELLOW
NOT TO SCALE



TYPICAL SIGNAGE DETAIL
NOT TO SCALE



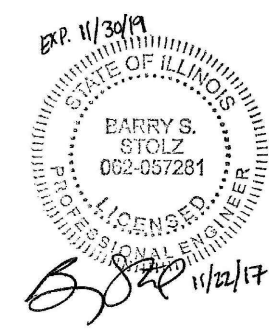
PROPOSED 30"x30" STOP SIGN. EXACT LOCATION TO BE FIELD DETERMINED

PROPOSED STOP BAR (WHITE) (12" X 13') APPROX. 20' FROM EDGE OF NORTH TINKER AVE. EXACT LOCATION TO BE FIELD DETERMINED PRIOR TO PAINTING

PROPOSED 4" WIDE CENTERLINE MARKING (TYP.)

PAINT OVER EXISTING STOP BAR (WHITE) (12" X 20') EXACT LOCATION TO BE FIELD DETERMINED PRIOR TO PAINTING

MATCHLINE—SEE NEXT SHEET



REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

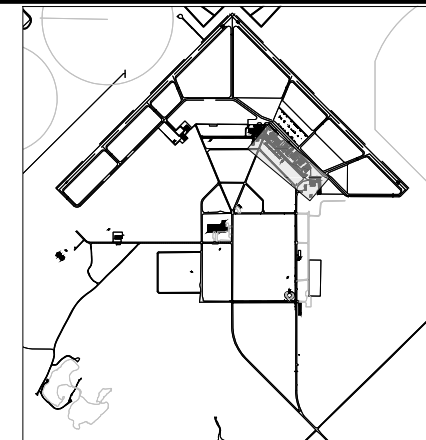
IDA No: LWV-4566
Contract No. LW028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017
PROJECT NO: 17A0015
CAD FILE: C-151-MRK.DWG
DESIGN BY: CWS 07/17/2017
DRAWN BY: CWS 07/07/2017
REVIEWED BY: BSS 11/21/2017

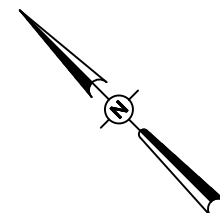
SHEET TITLE

PROPOSED SIGN & MARKING PLAN - HANGAR RD. (NORTH)



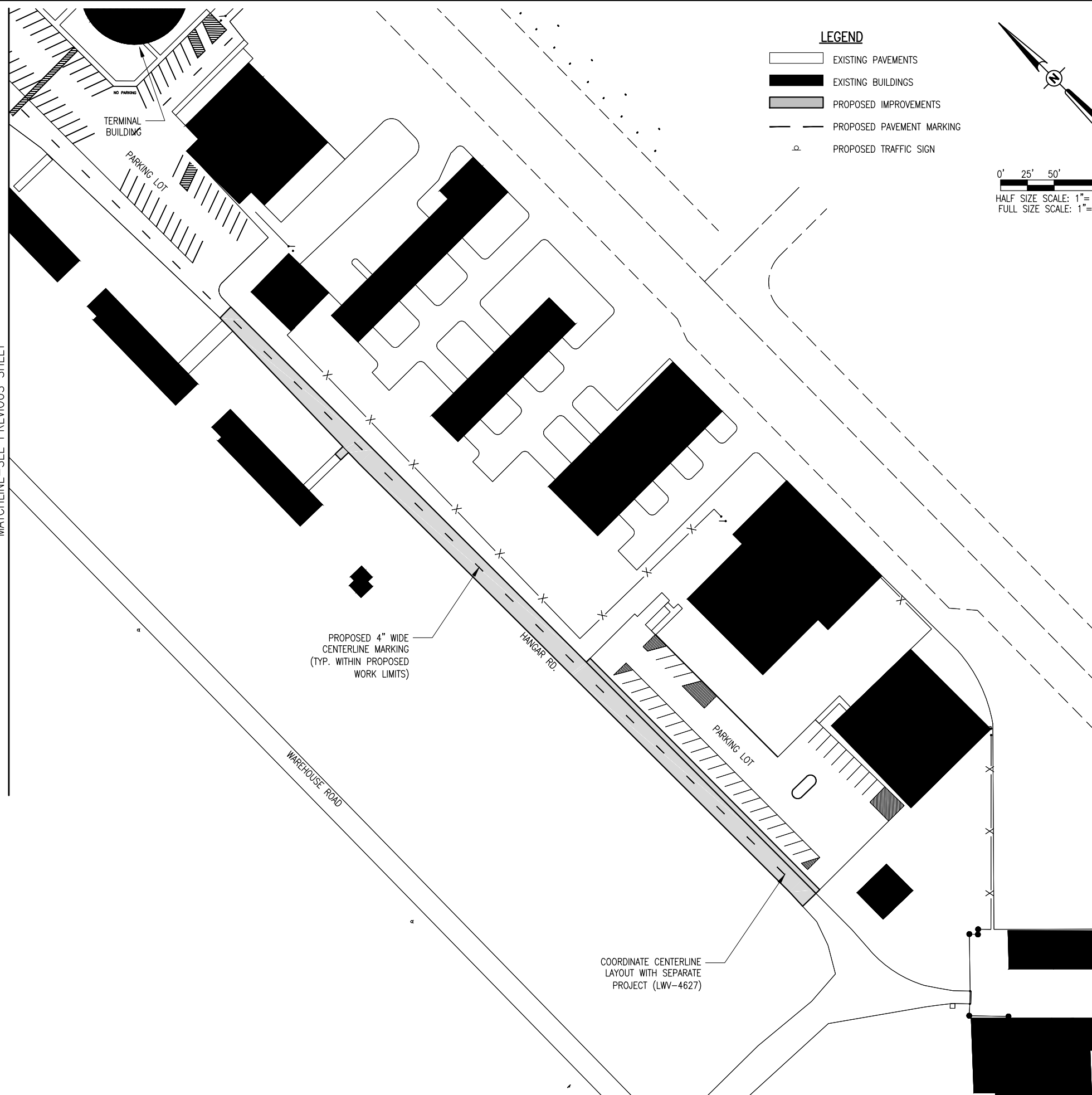
LEGEND

- EXISTING PAVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED PAVEMENT MARKING
- PROPOSED TRAFFIC SIGN



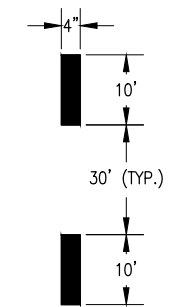
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HALF SIZE SCALE: 1" = 100'
FULL SIZE SCALE: 1" = 50'

MATCHLINE - SEE PREVIOUS SHEET

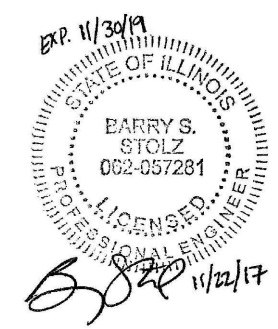


PROPOSED 4" WIDE CENTERLINE MARKING (TYP. WITHIN PROPOSED WORK LIMITS)

COORDINATE CENTERLINE LAYOUT WITH SEPARATE PROJECT (LWV-4627)



ROADWAY CENTERLINE STRIPES, YELLOW
NOT TO SCALE



REHABILITATION OF AIRPORT ACCESS ROADS AND CONSTRUCTION OF AN AIRPORT FUEL DEPOT LOOP ROAD

IDA No: LWV-4566

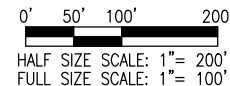
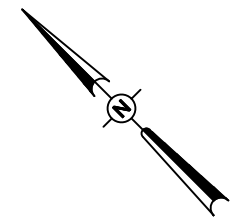
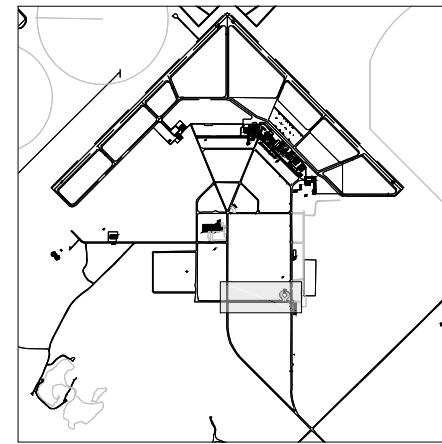
Contract No. LW028

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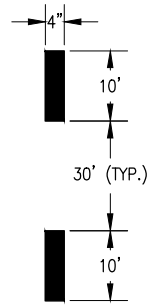
ISSUE: NOVEMBER 22, 2017
PROJECT NO: 17A0015
CAD FILE: C-151-MRK.DWG
DESIGN BY: CWS 07/07/2017
DRAWN BY: CWS 07/07/2017
REVIEWED BY: BSS 11/21/2017

SHEET TITLE

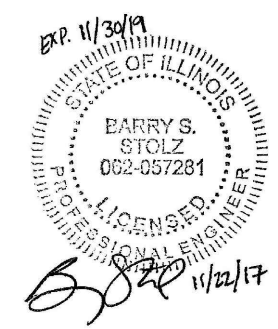
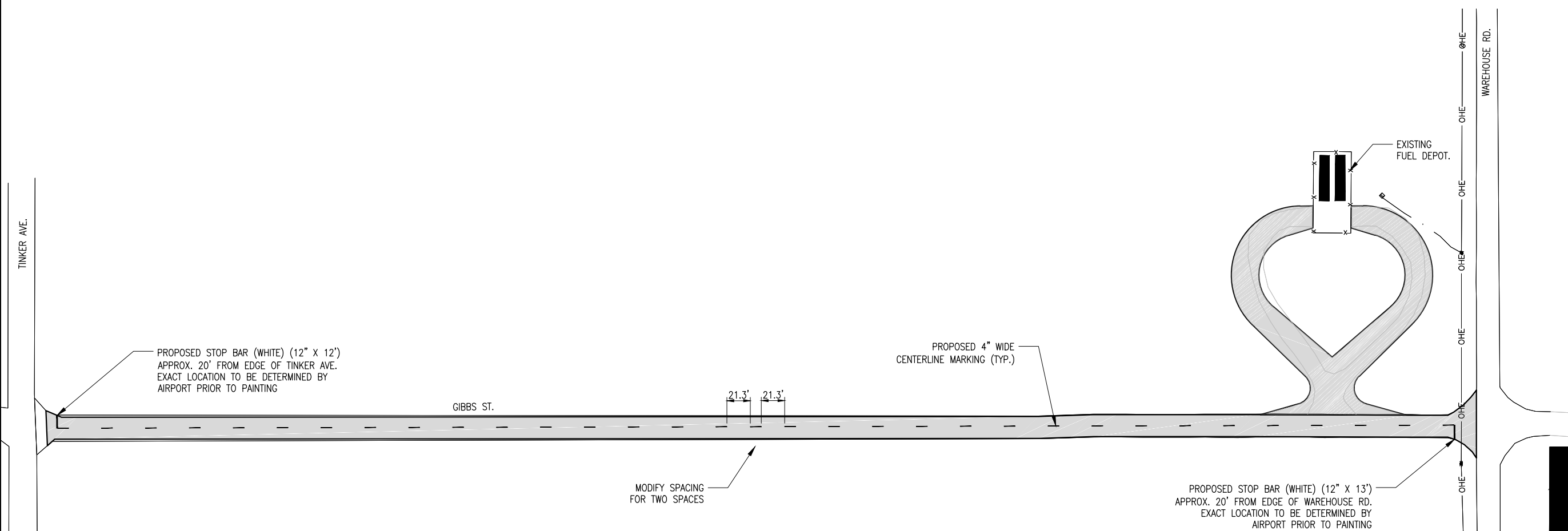
PROPOSED SIGN & MARKING PLAN - HANGAR RD. (SOUTH)



- LEGEND**
- EXISTING PAVEMENTS
 - EXISTING BUILDINGS
 - PROPOSED IMPROVEMENTS
 - PROPOSED PAVEMENT MARKING
 - PROPOSED TRAFFIC SIGN



ROADWAY CENTERLINE STRIPES, YELLOW
NOT TO SCALE



**REHABILITATION OF
AIRPORT ACCESS
ROADS AND
CONSTRUCTION OF
AN AIRPORT FUEL
DEPOT LOOP ROAD**

IDA No: LWV-4566

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CAD FILE: C-151-MRK.DWG

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DRAWN BY: CWS 07/07/2017

REVIEWED BY: BSS 11/21/2017

SHEET TITLE

**PROPOSED SIGN &
MARKING PLAN -
GIBBS ST.**