

CONSTRUCTION PLANS - ISSUED NOVEMBER 22, 2017

REHABILITATE AIRPORT ROADS

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

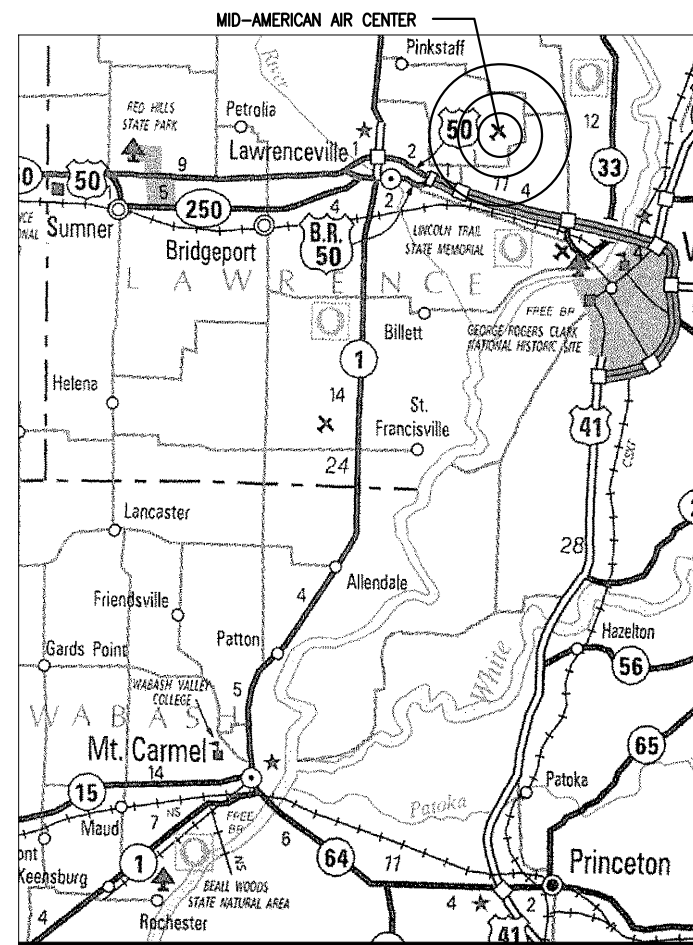
IDA PROJECT NO. LWV-4627

SCOPE OF WORK

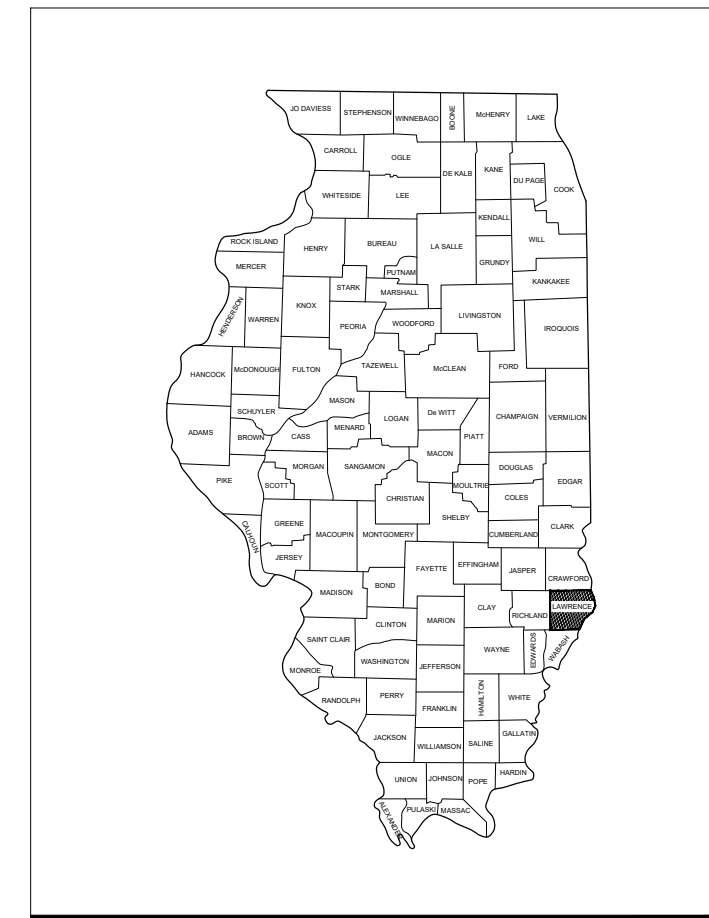
THIS PROJECT CONSISTS OF REHABILITATION OF WAREHOUSE RD. AND STRAUBEL ST. THIS PROJECT INCLUDES CRACK REPAIR, PATCHING, PAVEMENT REMOVAL, BITUMINOUS PLACEMENT, MARKING, INSTALLATION OF ROADWAY SIGNS, AND ASSOCIATED ITEMS.

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

Barry Stolz, P.E.
 Project Engineer

11/22/17
 Date

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 HANSON PROFESSIONAL SERVICES INC.
 1525 S 6th Street
 Springfield, IL 62703
 Telephone: 217-788-2450
 Fax: 214-788-2503

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

11/21/17
 Date

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SCOPE OF WORK

THIS PROJECT CONSISTS OF REHABILITATION OF WAREHOUSE RD. AND STRAUBEL ST. THIS PROJECT INCLUDES CRACK REPAIR, PATCHING, PAVEMENT REMOVAL, BITUMINOUS PLACEMENT, MARKING, INSTALLATION OF ROADWAY SIGNS, 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.

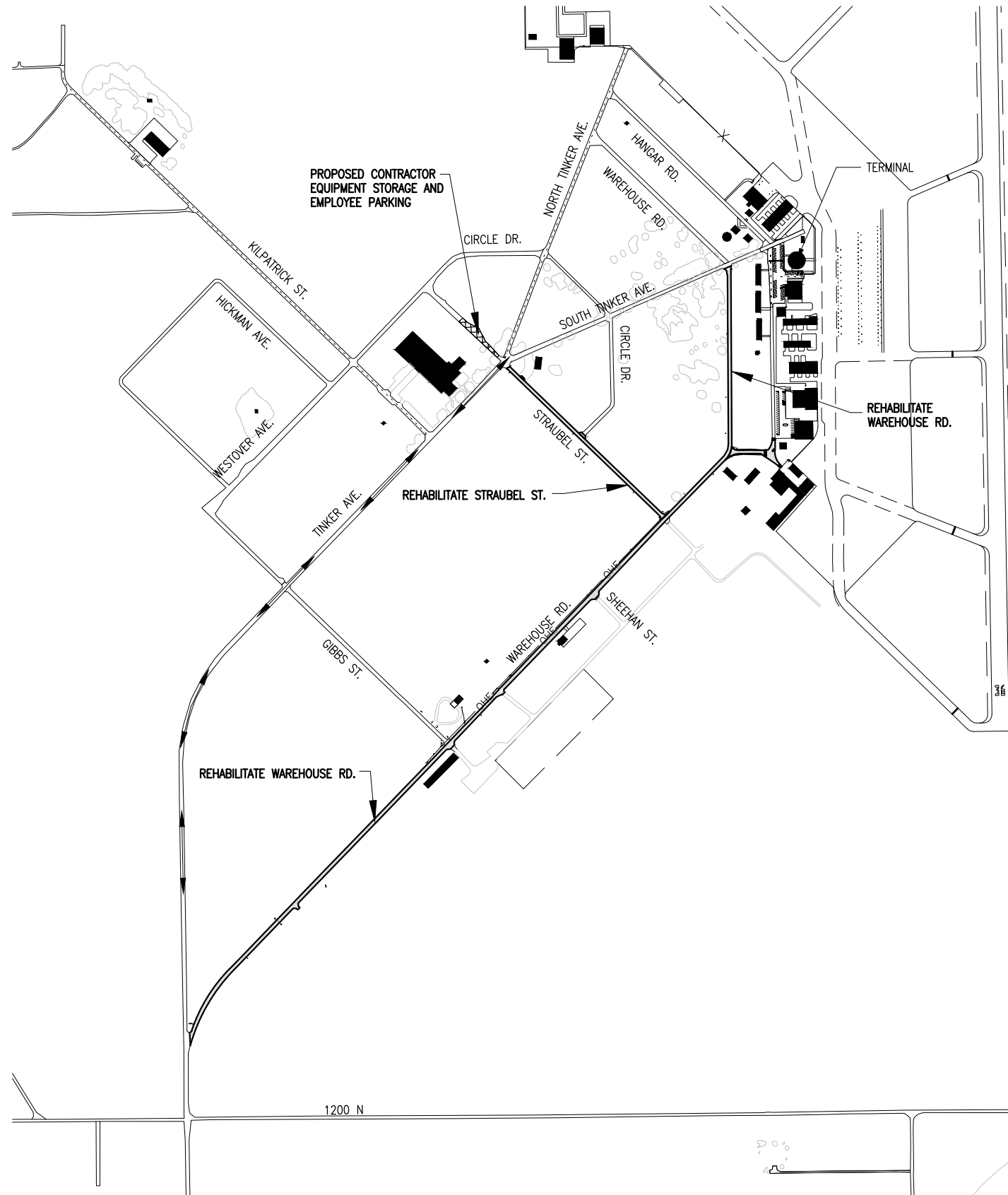
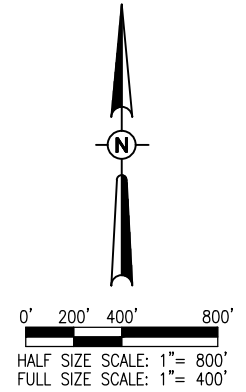
EROSION CONTROL

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

NOTE: THE CONSTRUCTION OF THE ROAD OVERLAY REQUIRES THE PLACEMENT OF 1,804 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



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



Engineering | Planning | Allied Services

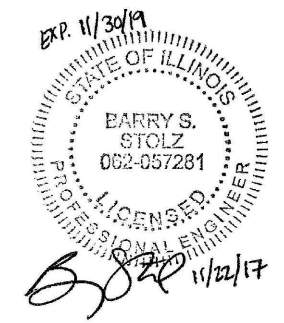
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 www.hanson-inc.com

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Illinois Licensed
 Professional Service Corporation
 #184-001084

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES
 INTERNATIONAL AIRPORT

BI-STATE AUTHORITY
 LAWRENCEVILLE, ILLINOIS



REHABILITATE AIRPORT ROADS

IDA No: LWV-4627

Contract No. LW027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0068

CAD FILE: G-003-SOW.DWG

DESIGN BY: CWS 07/10/2017

DRAWN BY: CWS 07/10/2017

REVIEWED BY: BSS 11/21/2017

SHEET TITLE

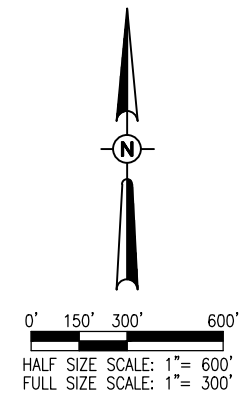
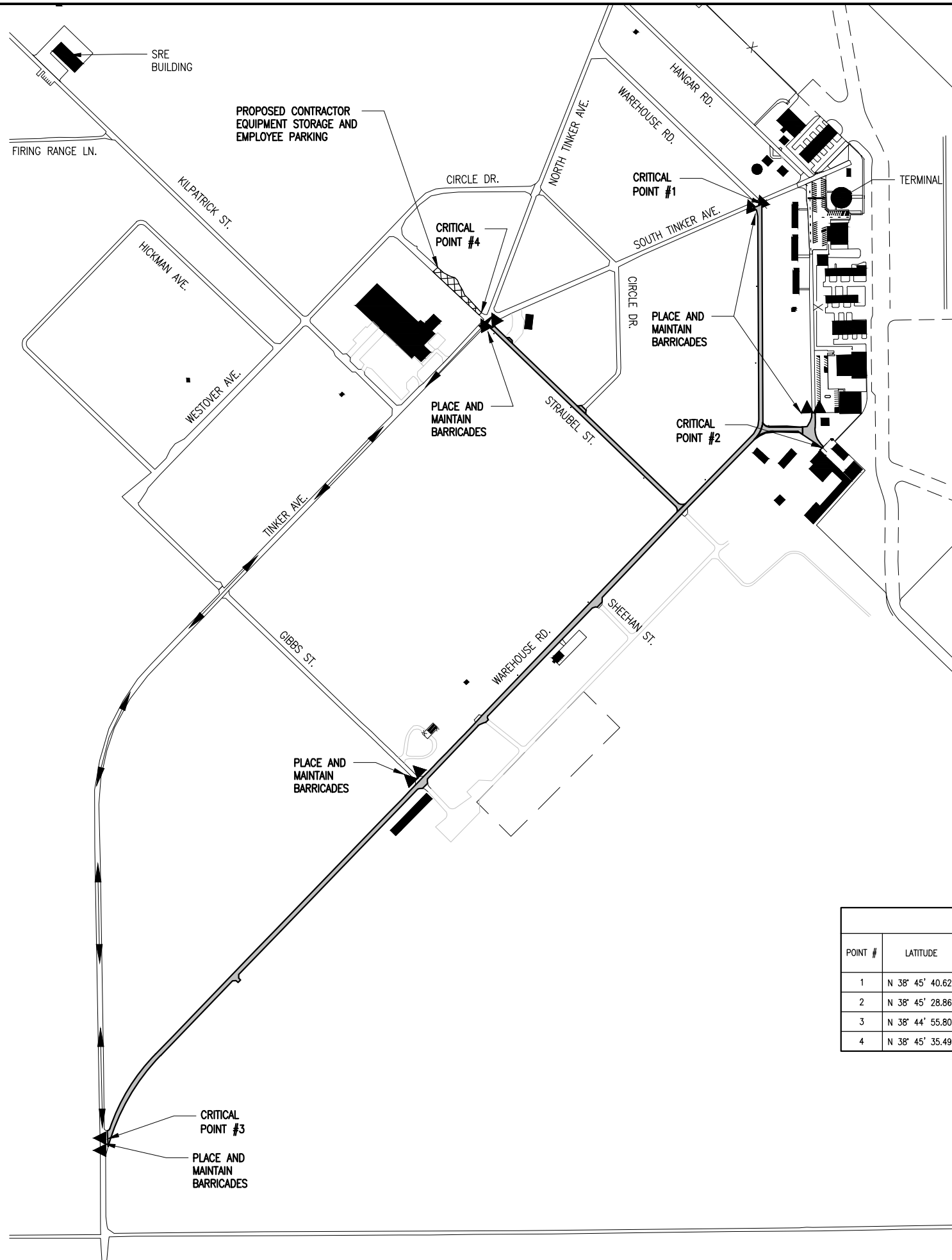
PROPOSED SCOPE OF WORK

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-4566) 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 WAREHOUSE ROAD (NORTH) SEGMENT MAY NOT OCCUR AT THE SAME TIME AS THE WORK ON THE PARALLEL PORTION OF HANGAR ROAD (SOUTH) (AS PART OF SEPARATE CONTRACT LWV-4566).

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 WORKS 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

CRITICAL POINTS DATA					
POINT #	LATITUDE	LONGITUDE	GROUND ELEVATION	PROPOSED EQUIPMENT HEIGHT	PROPOSED EQUIPMENT ELEVATION
1	N 38° 45' 40.62"	W 87° 36' 23.21"	424.0	25'	449.0
2	N 38° 45' 28.86"	W 87° 36' 19.64"	424.0	25'	449.0
3	N 38° 44' 55.80"	W 87° 37' 03.98"	417.0	25'	442.0
4	N 38° 45' 35.49"	W 87° 36' 40.57"	423.0	25'	448.0



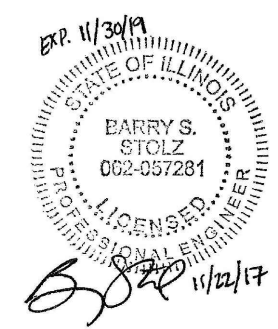
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 LAWRENCEVILLE-VINCENNES
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BI-STATE AUTHORITY
 LAWRENCEVILLE, ILLINOIS



REHABILITATE AIRPORT ROADS

IDA No: LWV-4627

Contract No. LW027

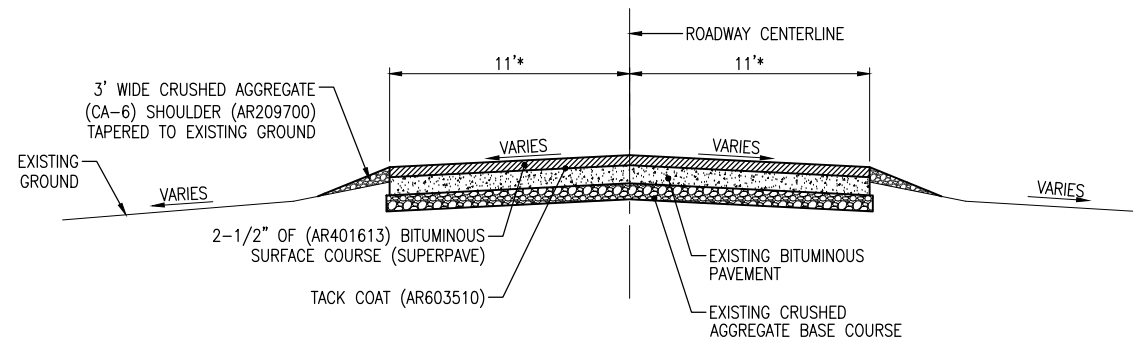
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017
 PROJECT NO: 17A0068
 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

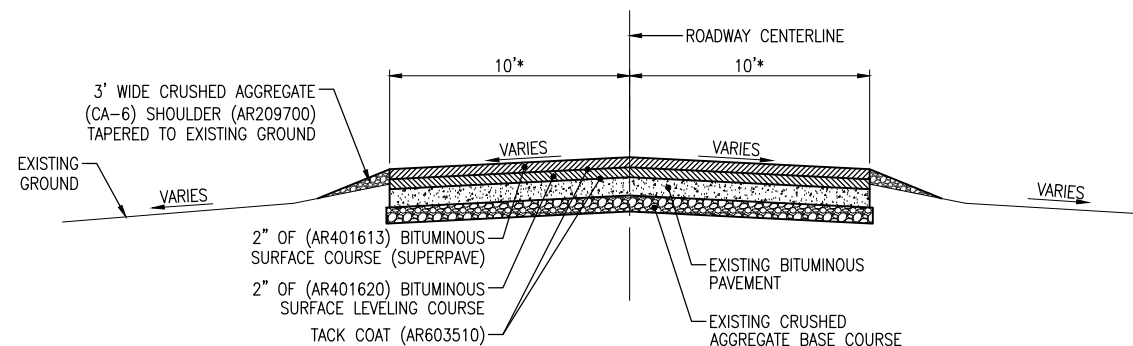
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PROPOSED TYPICAL SECTION – WAREHOUSE ROAD (SOUTH)
*WIDTHS VARY AT INTERSECTIONS. AVERAGE WIDTHS SHOWN.

NOTE: EXISTING SECTION FOR WAREHOUSE ROAD (SOUTH) IS ESTIMATED TO BE 5" BITUMINOUS ON 6" AGGREGATE.

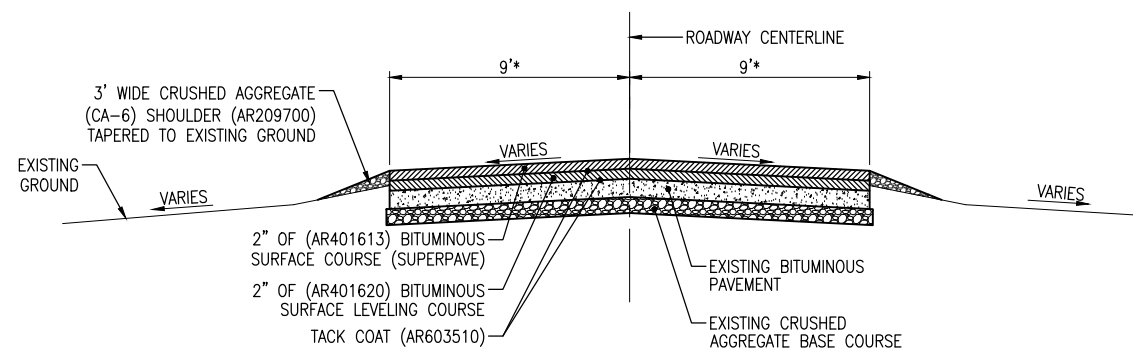
NOTE: CONTRACTOR SHALL MAINTAIN A CONTINUOUS PAVING OPERATION AS MUCH AS IS FEASIBLE.



PROPOSED TYPICAL SECTION – WAREHOUSE ROAD (NORTH)
*WIDTHS VARY AT INTERSECTIONS. AVERAGE WIDTHS SHOWN.

NOTE: EXISTING SECTION FOR WAREHOUSE ROAD (NORTH) IS ESTIMATED TO BE 3" BITUMINOUS ON 6" AGGREGATE.

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

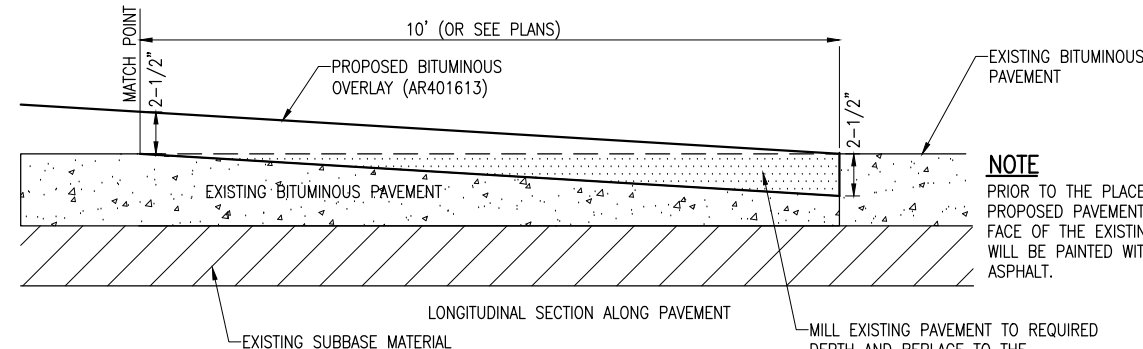


PROPOSED TYPICAL SECTION – STRAUBEL STREET
*WIDTHS VARY AT INTERSECTIONS. AVERAGE WIDTHS SHOWN.

NOTE: EXISTING SECTION FOR STRAUBEL STREET IS ESTIMATED TO BE 3" BITUMINOUS ON 6" AGGREGATE.

NOTE: A PORTION OF STRAUBEL STREET IS NOTED ON THE CONSTRUCTION PLANS TO HAVE THE EXISTING BITUMINOUS SURFACE REMOVED AND REPLACED UP TO EXISTING GRADE. THIS IS TO BE ACCOMPLISHED PRIOR TO THE PROPOSED LEVELING COURSE SHOWN ABOVE.

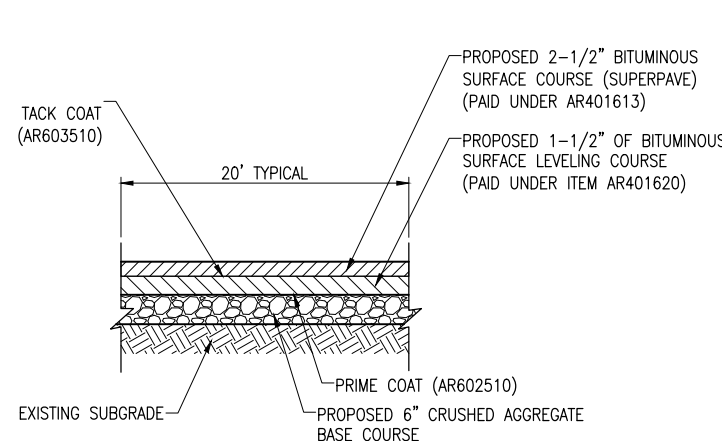
NOTE: CONTRACTOR SHALL MAINTAIN A CONTINUOUS PAVING OPERATION AS MUCH AS IS FEASIBLE.



PROPOSED BUTT JOINT DETAIL
NOT TO SCALE

AR401655 BUTT JOINT CONSTRUCTION NOTES

1. THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 "BUTT JOINT CONSTRUCTION" AS STATED IN THE 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 PLANNER 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.

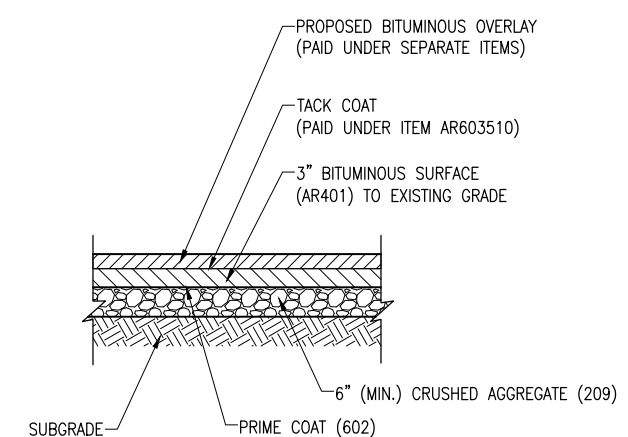


**PROPOSED TYPICAL SECTION
HANGAR ROAD CONNECTOR RECONSTRUCTION**

NOT TO SCALE

NOTE: PAVEMENT ON THE HANGAR ROAD CONNECTOR SHALL BE GRADED TO SHEET DRAIN FROM NORTH TO SOUTH.

NOTE: PROPOSED CRUSHED AGGREGATE (CA-6) SHOULDER SHALL BE PLACED ALONG THE EDGES OF THE HANGAR ROAD CONNECTOR PAVEMENT AS SHOWN ON THE CONSTRUCTION PLANS AND AS NOTED ON THE OTHER TYPICAL SECTIONS ON THIS SHEET.

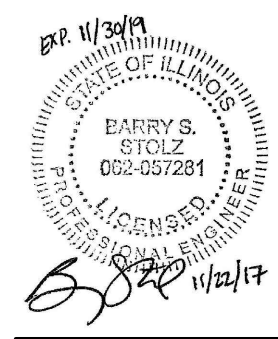


**FULL DEPTH
PAVEMENT REPAIR**

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, 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.



**REHABILITATE
AIRPORT ROADS**

IDA No: LWV-4627

Contract No. LW027

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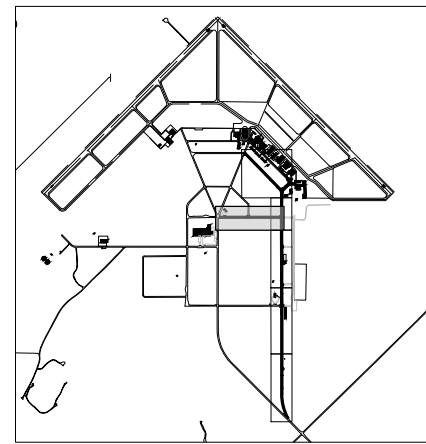
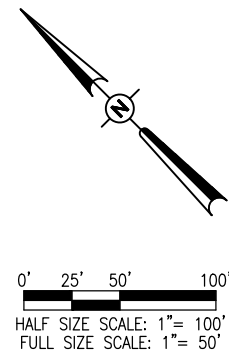
ISSUE: NOVEMBER 22, 2017
PROJECT NO: 17A0068
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DESIGN BY: CWS 07/10/2017
DRAWN BY: CWS 07/10/2017
REVIEWED BY: BSS 11/21/2017

SHEET TITLE

**PROPOSED TYPICAL
SECTIONS**

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.
- FOLLOWING THE REMOVAL OF BITUMINOUS SURFACE IN THE AREA NOTED BELOW, A LIFT OF BITUMINOUS LEVELING (AR401620) WILL BE PLACED TO EXISTING GRADE. A LEVELING QUANTITY REPRESENTING A 3" LIFT WAS INCLUDED IN THE PLAN QUANTITY FOR ESTIMATING PURPOSES TO REPLACE THIS PAVEMENT SURFACE. ANY ADDITIONAL REMOVAL AND ADDITIONAL MATERIAL TO BRING THE PAVEMENT SURFACE BACK UP TO EXISTING GRADE SHALL BE INCIDENTAL TO THE PROJECT. THE RESIDENT ENGINEER/TECHNICIAN SHALL BE RESPONSIBLE FOR DEPTH MEASUREMENTS IN COORDINATION WITH THE CONTRACTOR.



LEGEND

- EXISTING PAVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED BUTT JOINT
- PROPOSED FULL DEPTH REPAIR
- PROPOSED REMOVAL/REPLACEMENT (SEE PLAN NOTES)
- PROPOSED AGGREGATE SHOULDER



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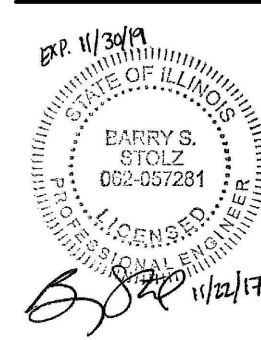
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NO.	DATE	DESCRIPTION		
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ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0068

CAD FILE: C-121-CON.DWG

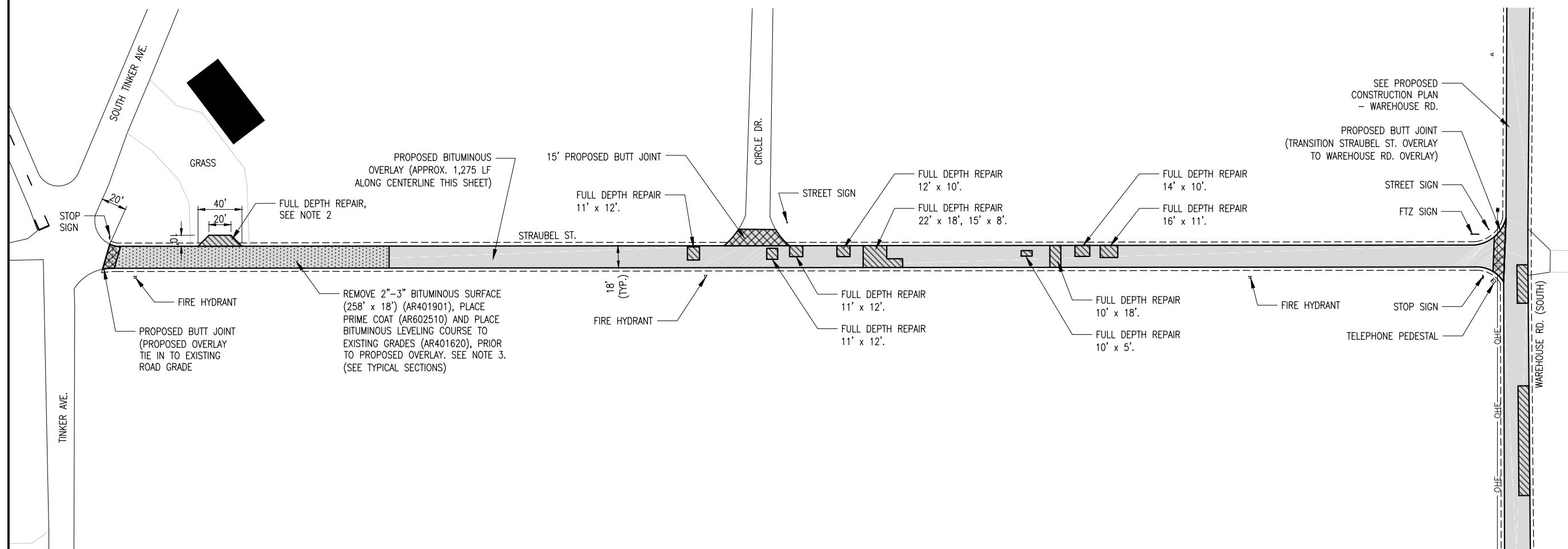
DESIGN BY: CWS 07/07/17

DRAWN BY: JRH 10/13/17

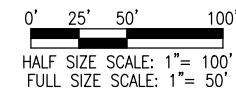
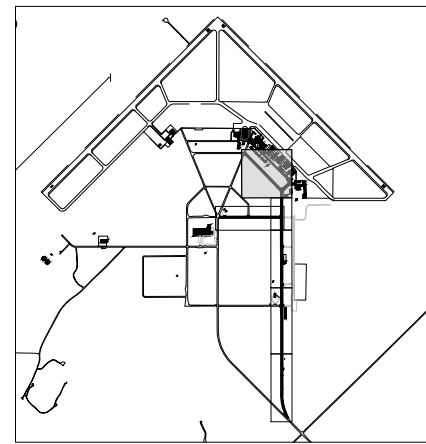
REVIEWED BY: BSS 11/21/2017

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - STRAUBEL ST.

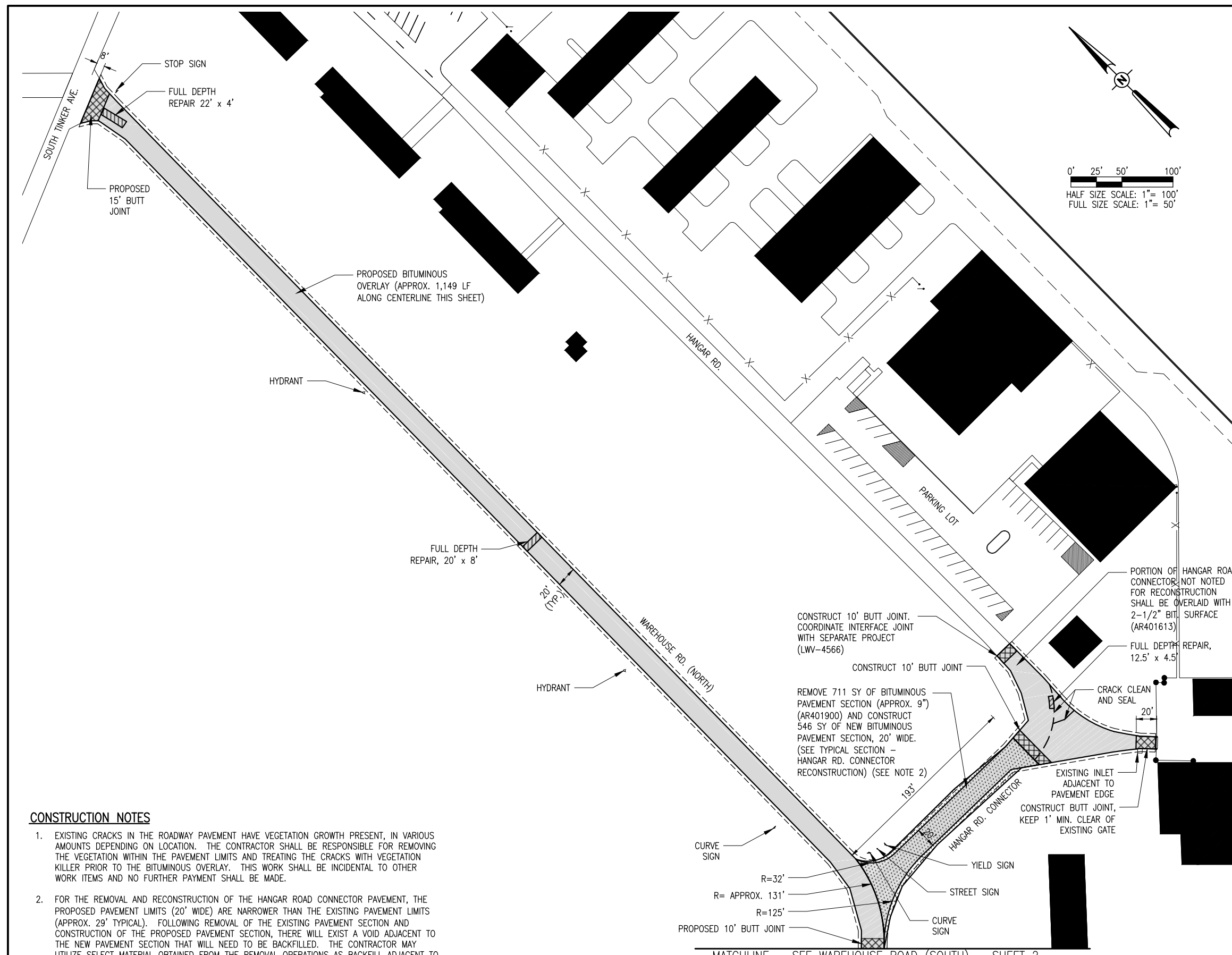


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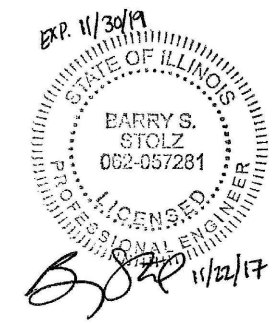
LEGEND

- EXISTING PAVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED BUTT JOINT
- PROPOSED FULL DEPTH REPAIR
- PROPOSED REMOVAL/REPLACEMENT (SEE PLAN NOTES)
- PROPOSED AGGREGATE SHOULDER



CONSTRUCTION NOTES

1. 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.
2. FOR THE REMOVAL AND RECONSTRUCTION OF THE HANGAR ROAD CONNECTOR PAVEMENT, THE PROPOSED PAVEMENT LIMITS (20' WIDE) ARE NARROWER THAN THE EXISTING PAVEMENT LIMITS (APPROX. 29' TYPICAL). FOLLOWING REMOVAL OF THE EXISTING PAVEMENT SECTION AND CONSTRUCTION OF THE PROPOSED PAVEMENT SECTION, THERE WILL EXIST A VOID ADJACENT TO THE NEW PAVEMENT SECTION THAT WILL NEED TO BE BACKFILLED. THE CONTRACTOR MAY UTILIZE SELECT MATERIAL OBTAINED FROM THE REMOVAL OPERATIONS AS BACKFILL ADJACENT TO THE NEW PAVEMENT, UP TO THE EXISTING GROUND ELEVATION. THE BACKFILL SHALL BE COMPACTED TO THE SATISFACTION OF THE RESIDENT ENGINEER/TECHNICIAN. COST OF THE WORK REQUIRED TO PROPERLY BACKFILL THE VOIDS SHALL BE INCIDENTAL TO THE OTHER PROJECT ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE. THE PROPOSED CRUSHED AGGREGATE SHOULDER SHALL BE PLACED ALONG THE NEW PAVEMENT EDGES AS SHOWN ON THE TYPICAL CROSS SECTIONS SHEET.



REHABILITATE AIRPORT ROADS

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		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017
 PROJECT NO: 17A0068
 CAD FILE: C-121-CON.DWG
 DESIGN BY: CWS 07/07/17
 DRAWN BY: JRH 10/13/17
 REVIEWED BY: BSS 11/21/17

SHEET TITLE

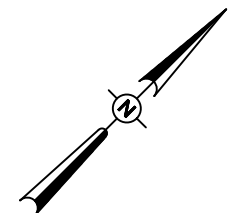
PROPOSED CONSTRUCTION PLAN - WAREHOUSE RD. (NORTH)

CONSTRUCTION NOTES

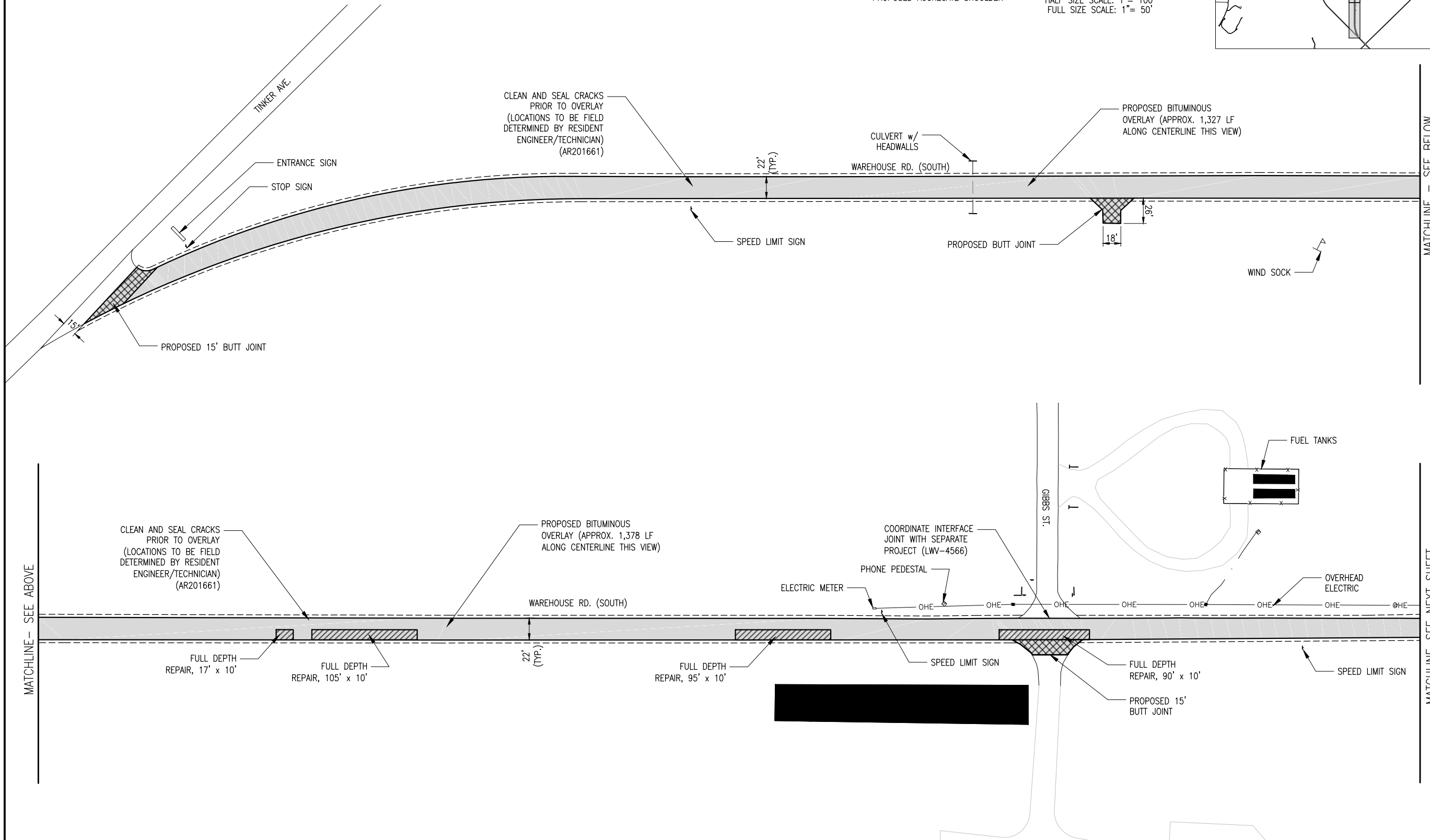
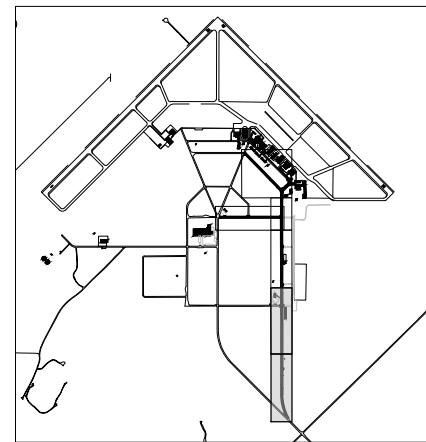
- EXISTING CRACKS IN THE ROADWAY PAVEMENT HAVE VEGETATION GROWTH PRESENT, IN VARIOUS AMOUNTS DEPENDING ON LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE VEGETATION WITHIN THE PAVEMENT LIMITS AND TREATING THE CRACKS WITH VEGETATION KILLER PRIOR TO THE BITUMINOUS OVERLAY. THIS WORK SHALL 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 REMOVAL/REPLACEMENT (SEE PLAN NOTES)
- PROPOSED AGGREGATE SHOULDER

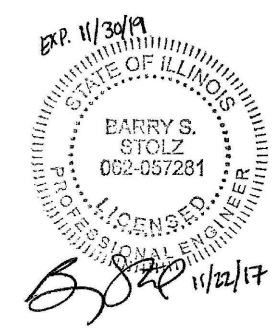


0' 25' 50' 100'
HALF SIZE SCALE: 1" = 100'
FULL SIZE SCALE: 1" = 50'



MATCHLINE - SEE BELOW

MATCHLINE - SEE NEXT SHEET



REHABILITATE AIRPORT ROADS

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Contract No. LW027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

SHEET TITLE






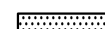

PROPOSED CONSTRUCTION PLAN - WAREHOUSE RD. (SOUTH) - SHEET 1

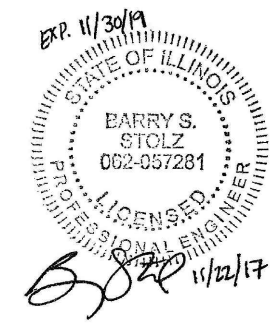
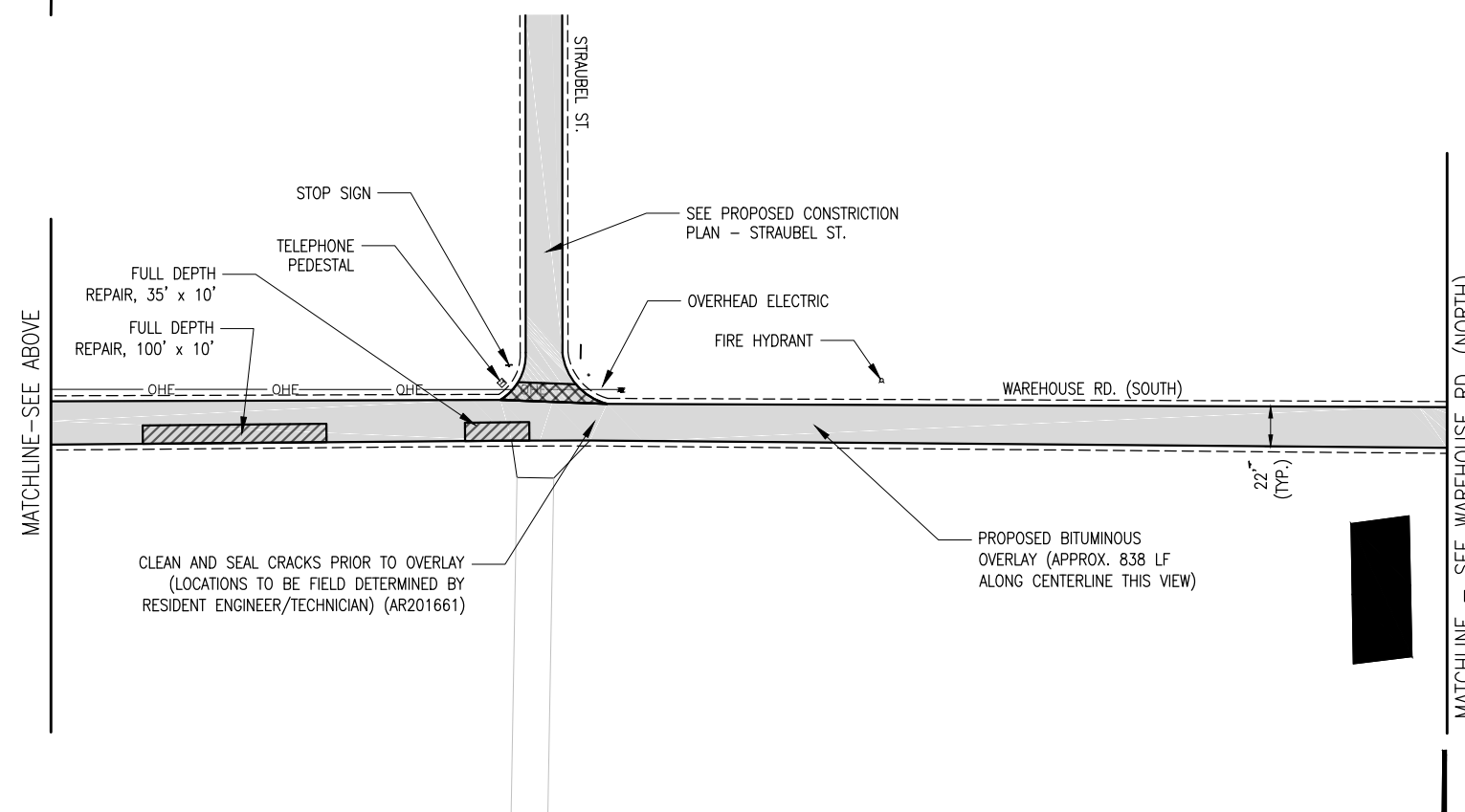
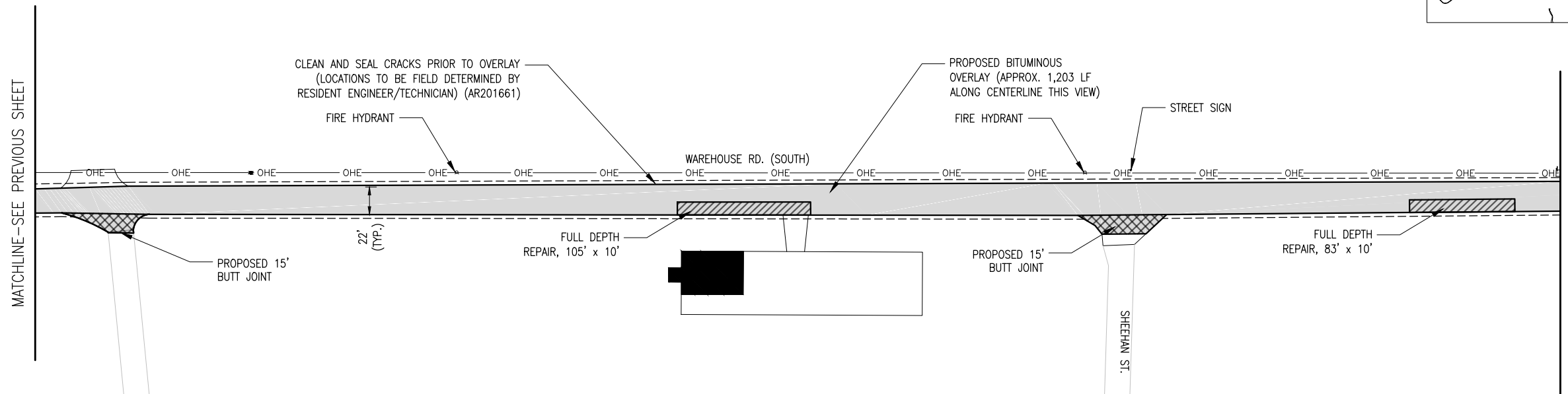
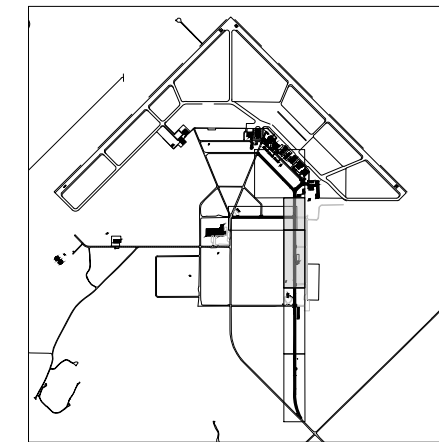
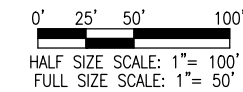
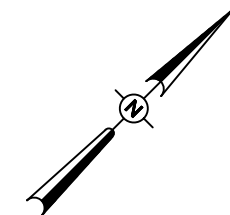
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CONSTRUCTION NOTES

- 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 REMOVAL/REPLACEMENT (SEE PLAN NOTES)
-  PROPOSED AGGREGATE SHOULDER



REHABILITATE AIRPORT ROADS

IDA No: LWV-4627

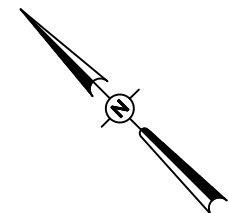
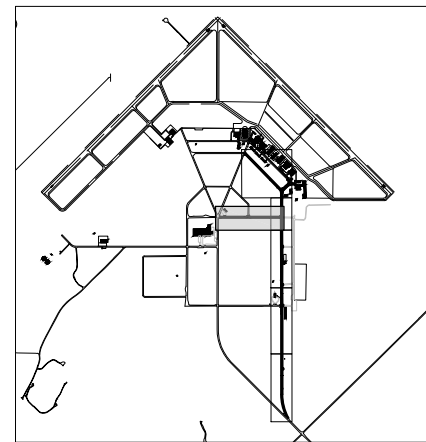
Contract No. LW027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

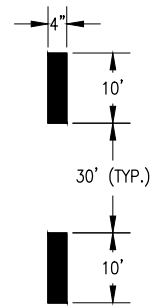
ISSUE: NOVEMBER 22, 2017
PROJECT NO: 17A0068
CAD FILE: C-121-CON.DWG
DESIGN BY: CWS 07/07/17
DRAWN BY: JRH 10/13/17
REVIEWED BY: BSS 11/21/2017

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - WAREHOUSE RD. (SOUTH) - SHEET 2



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

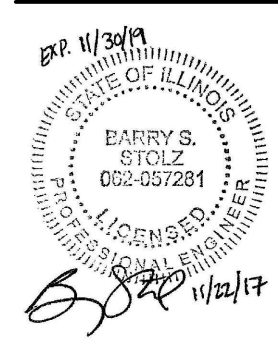


ROADWAY CENTERLINE STRIPES, YELLOW

NOT TO SCALE

LEGEND

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



REHABILITATE AIRPORT ROADS

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NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0068

CAD FILE: C-151-MRK.DWG

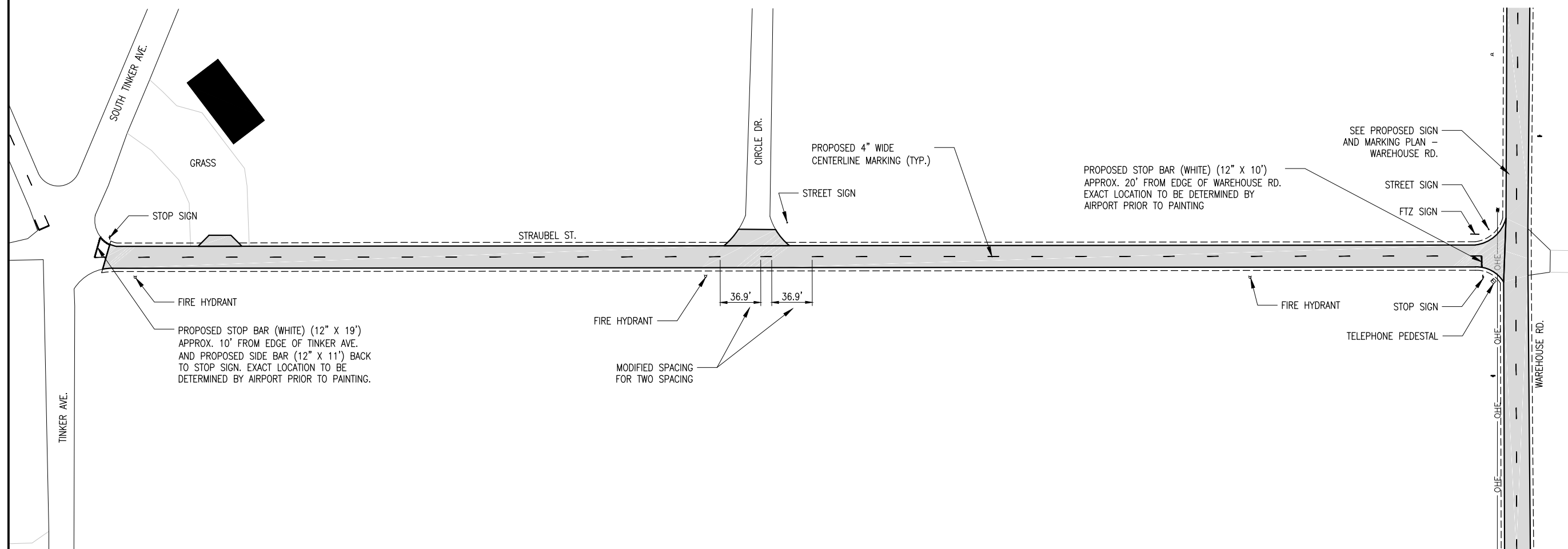
DESIGN BY: CWS 07/07/17

DRAWN BY: JRH 10/13/17

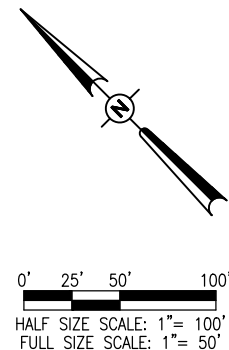
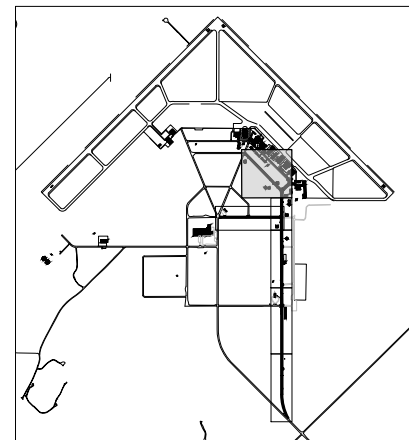
REVIEWED BY: BSS 11/21/2017

SHEET TITLE

PROPOSED SIGN AND MARKING PLAN - STRAUBEL ST.

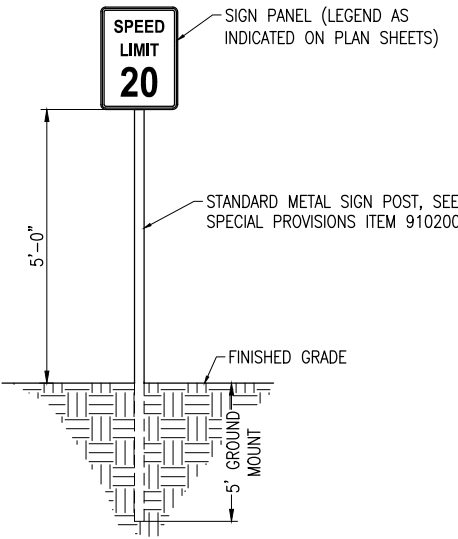
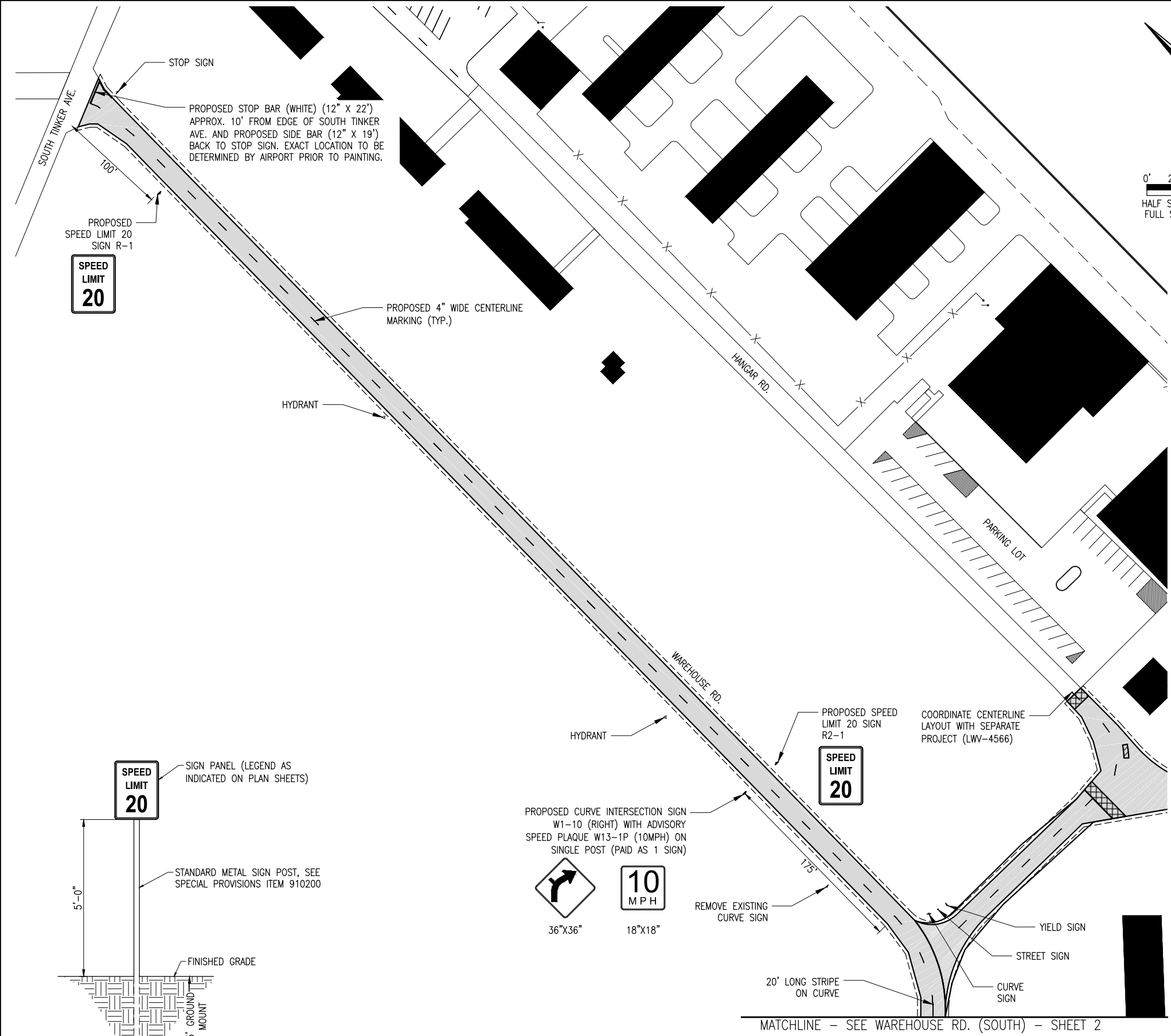


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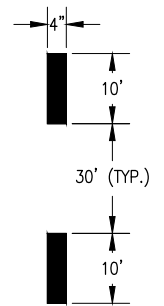
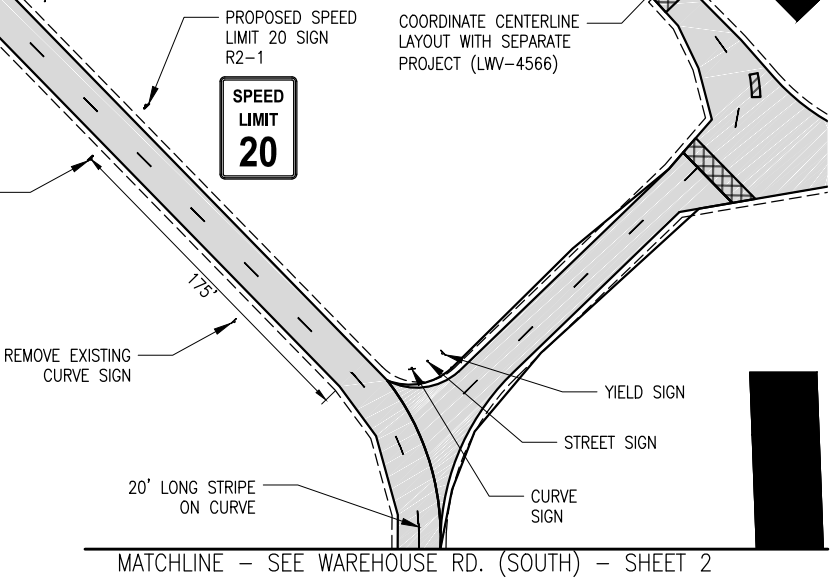
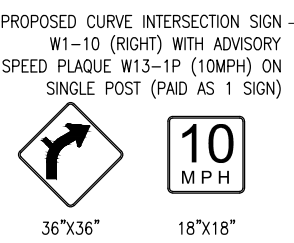


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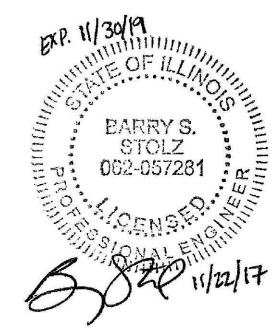
- EXISTING PAVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED PAVEMENT MARKING
- PROPOSED TRAFFIC SIGN



TYPICAL SIGNAGE DETAIL
NOT TO SCALE



ROADWAY CENTERLINE STRIPES, YELLOW
NOT TO SCALE



REHABILITATE AIRPORT ROADS

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NO.	DATE	DESCRIPTION	
		DES	REV

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PROJECT NO: 17A0068

CAD FILE: C-151-MRK.DWG

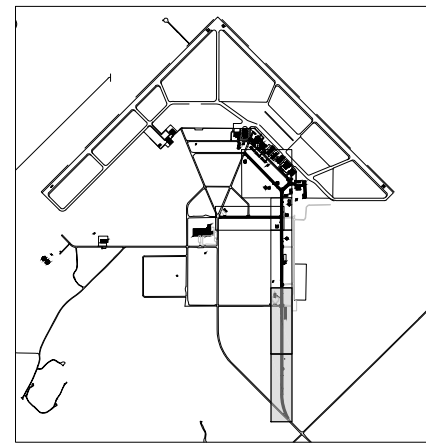
DESIGN BY: CWS 07/07/17

DRAWN BY: JRH 10/13/17

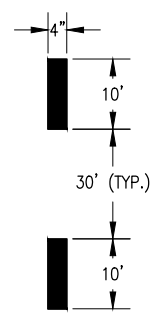
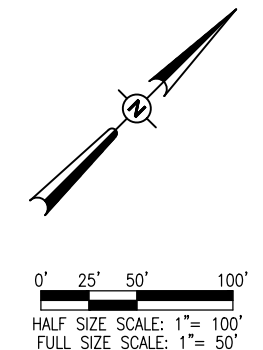
REVIEWED BY: BSS 11/21/2017

SHEET TITLE

PROPOSED SIGN AND MARKING PLAN - WAREHOUSE RD. (NORTH)

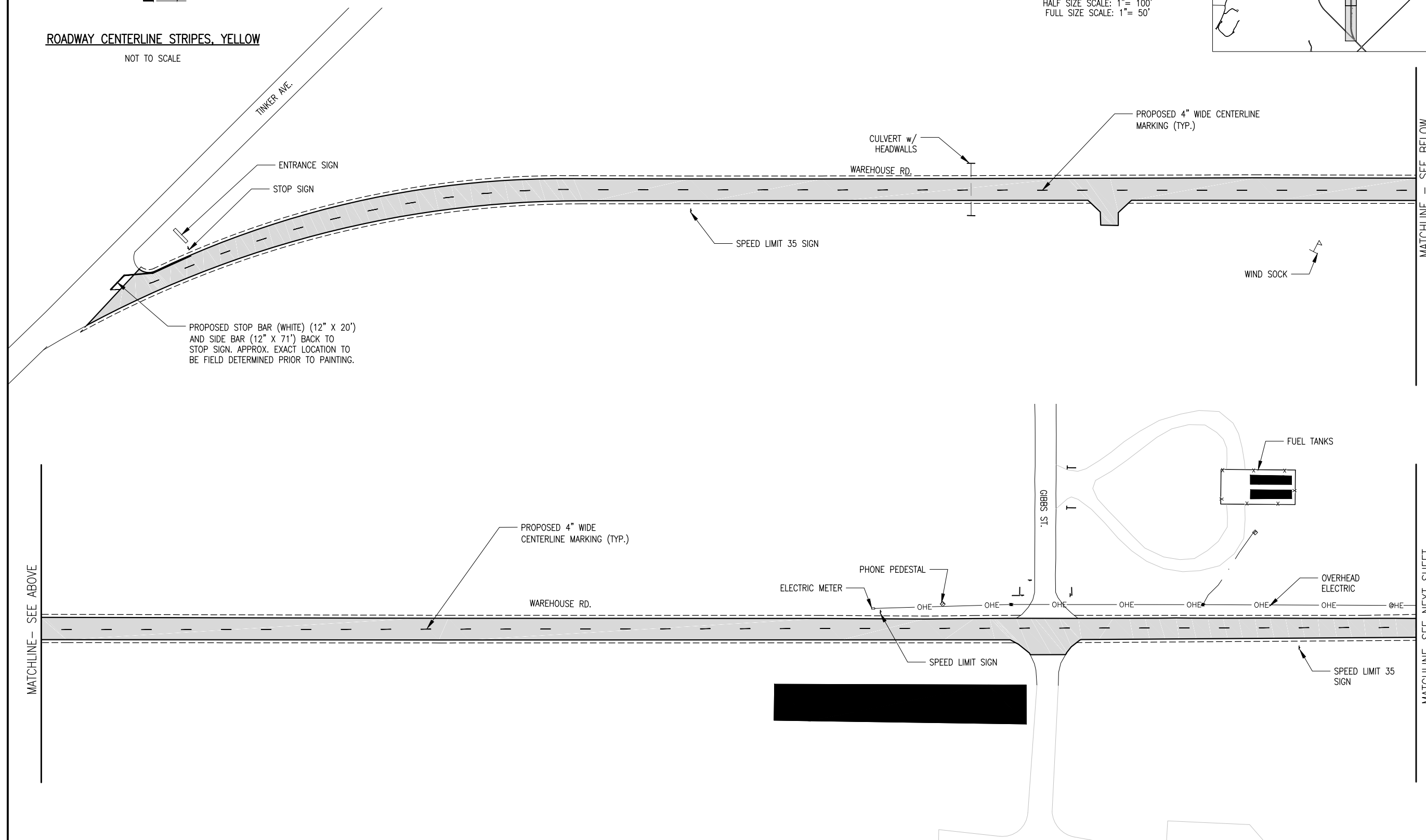


- LEGEND**
- EXISTING PAVEMENTS
 - EXISTING BUILDINGS
 - PROPOSED IMPROVEMENTS
 - PROPOSED PAVEMENT MARKING
 - PROPOSED TRAFFIC SIGN



ROADWAY CENTERLINE STRIPES, YELLOW

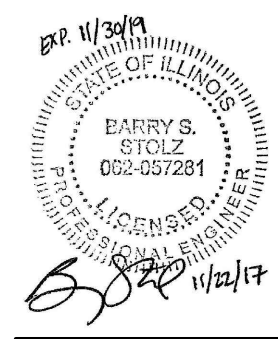
NOT TO SCALE



MATCHLINE - SEE BELOW

MATCHLINE - SEE ABOVE

MATCHLINE - SEE NEXT SHEET



REHABILITATE AIRPORT ROADS

IDA No: LWV-4627

Contract No. LW027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2017

PROJECT NO: 17A0068

CAD FILE: C-151-MRK.DWG

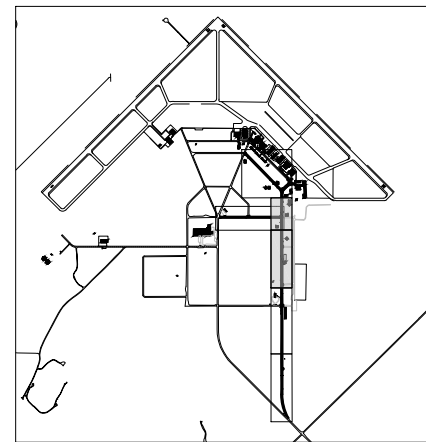
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DRAWN BY: JRH 10/13/17

REVIEWED BY: BSS 11/21/2017

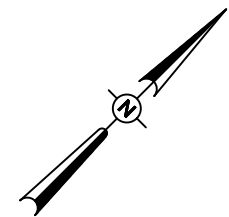
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PROPOSED SIGN AND MARKING PLAN - WAREHOUSE RD. (SOUTH) - SHEET 1



LEGEND

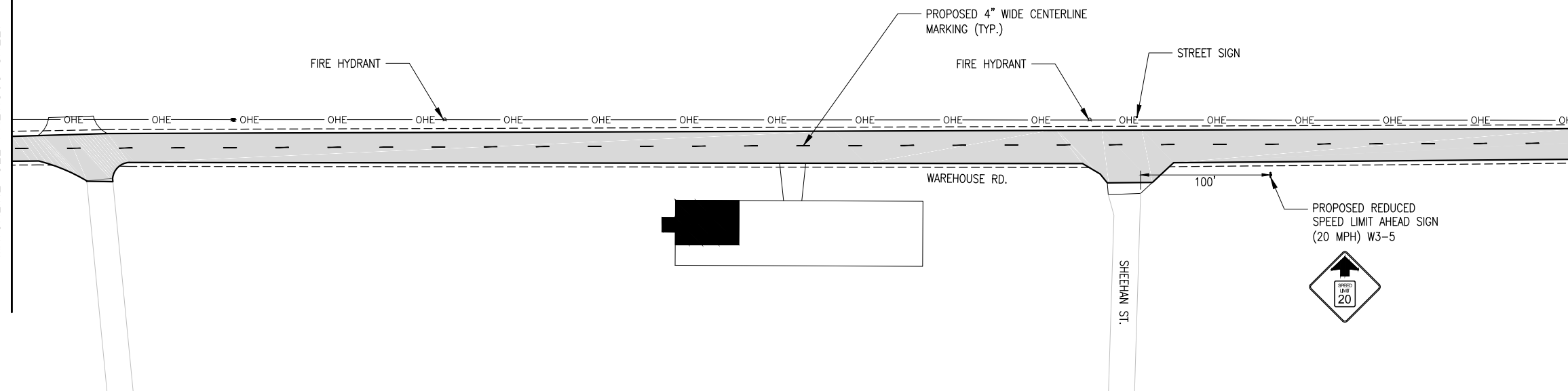
- EXISTING PAVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED MARKING
- PROPOSED TRAFFIC SIGN



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

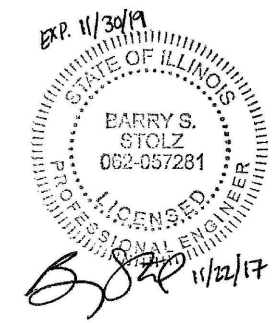
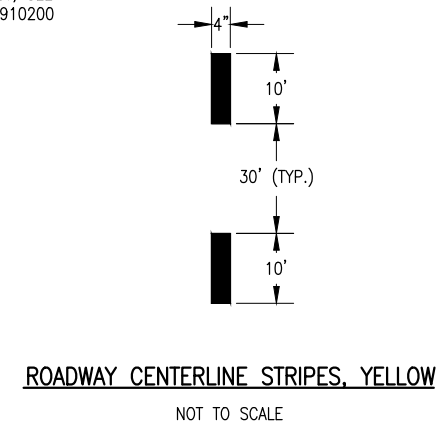
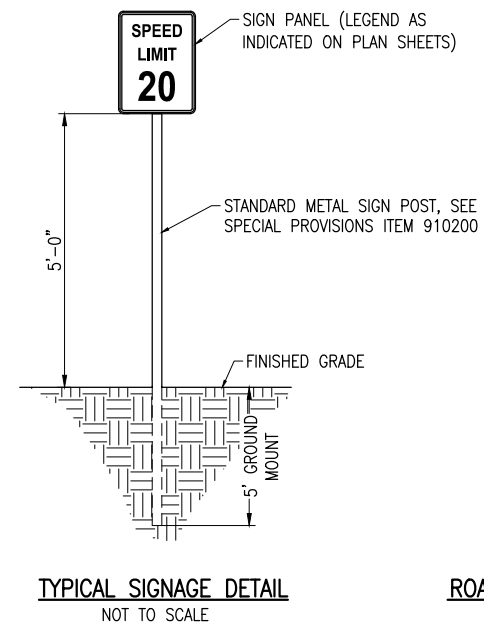
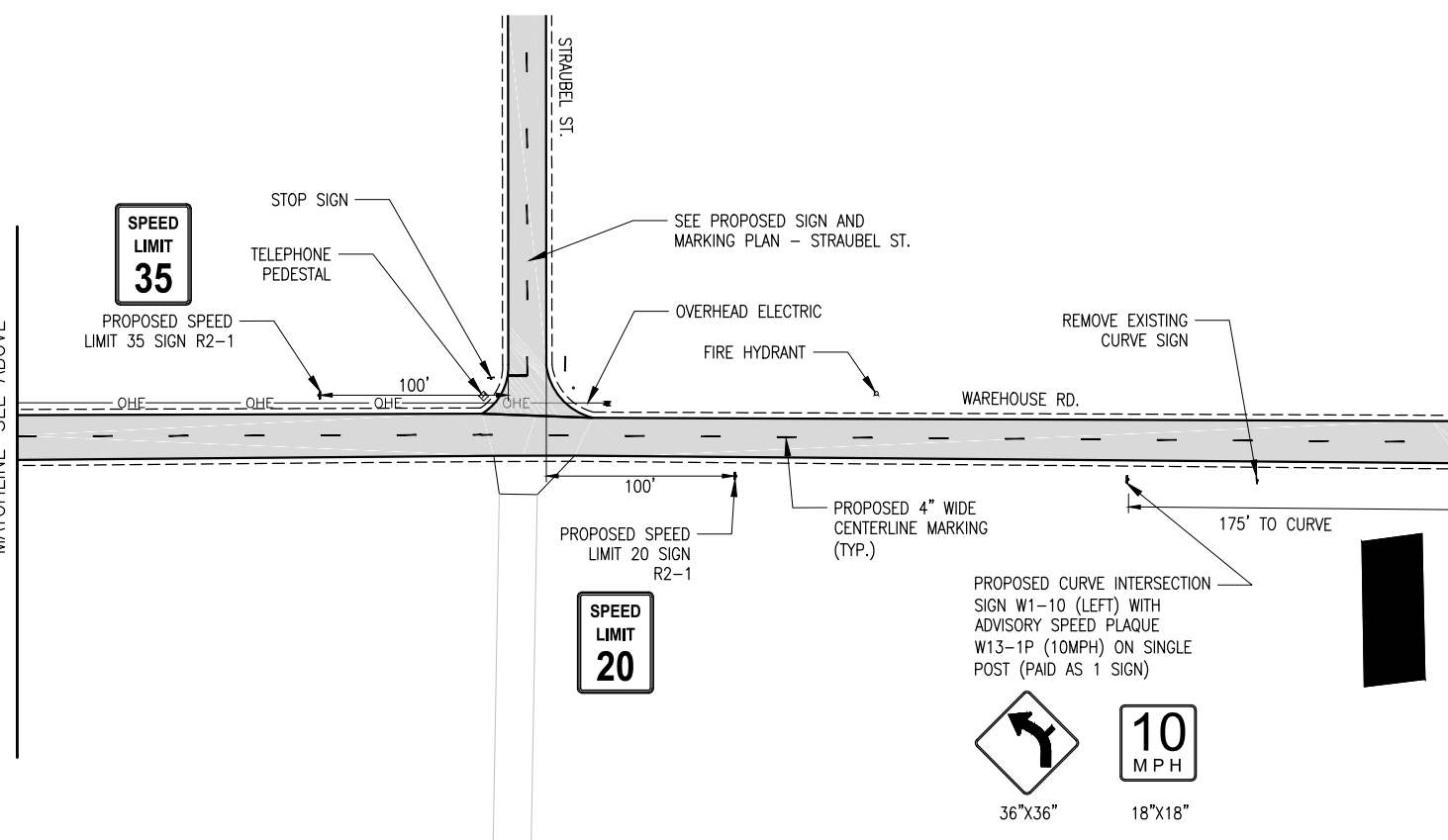
MATCHLINE-SEE PREVIOUS SHEET

MATCHLINE-SEE BELOW



MATCHLINE-SEE ABOVE

MATCHLINE - SEE WAREHOUSE RD. (NORTH)



REHABILITATE AIRPORT ROADS

IDA No: LWV-4627

Contract No. LW027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
ISSUE: NOVEMBER 22, 2017				
PROJECT NO: 17A0068				
CAD FILE: C-151-MRK.DWG				
DESIGN BY: CWS 07/07/17				
DRAWN BY: JRH 10/13/17				
REVIEWED BY: BSS 11/21/2017				

SHEET TITLE

PROPOSED SIGN AND MARKING PLAN - WAREHOUSE RD. (SOUTH) - SHEET 2