

LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656

SCOPE OF WORK

THE SCOPE OF THIS PROJECT INCLUDES:

1. MILLING AND OVERLAY OF THE AIRPORT ENTRANCE ROAD AND AUTOMOBILE PARKING LOT AREAS.
2. CLEANING AND SEALING CRACKS AND PARTIAL-DEPTH AND FULL-DEPTH REPAIRS.
3. REMARKING OF OVERLAY AREA.
4. HANDICAP PARKING SIGNAGE.
5. SEEDING AND MULCHING.
6. EROSION CONTROL.

GENERAL

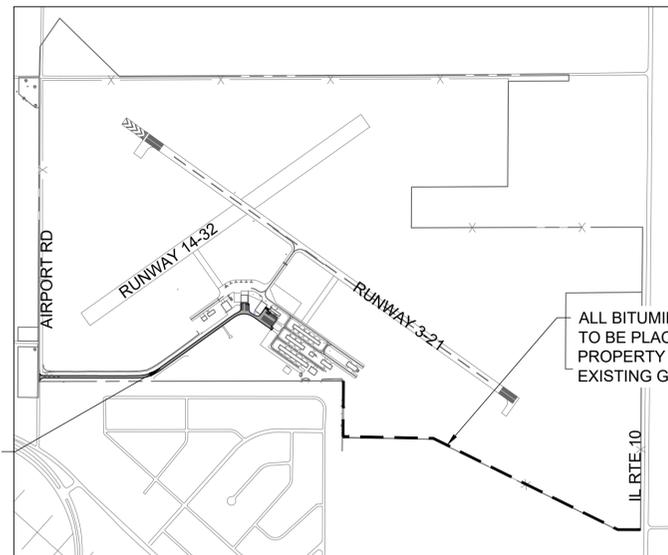
1. THE LOGAN COUNTY AIRPORT IS A NON-TOWER CONTROLLED GENERAL AVIATION AIRPORT COMPRISED OF ONE PAVED RUNWAY AND ONE TURF RUNWAY.
2. THE PROPOSED CONSTRUCTION WILL NOT REQUIRE THE CLOSURE OF ANY AIRFIELD PAVEMENTS FOR THE PROJECT DURATION.

AIRFIELD SAFETY

1. AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FORTH IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT EDITION) WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION FROM ENTERING THE AIR OPERATIONS AREA ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS BEING COMPROMISED.
2. AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. ONLY CONTRACTOR EMPLOYEES SHALL BE ALLOWED WITHIN THE PROJECT LIMITS. GATES SHALL BE CLOSED AT ALL TIMES UNLESS THE CONTRACTOR IS IN A CONTINUOUS HAULING OPERATION.
3. RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT WITH THE AIRPORT UNICOM (122.80 MHZ) ANY TIME THERE ARE WORKERS OR EQUIPMENT ON THE AIRFIELD.

SURVEY NOTES

1. ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD-83 (2011). ALL ELEVATIONS ARE REFERENCED TO NAVD 88.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND ANY EXTENSION OF THE CONTROL NETWORK NEEDED TO PROPERLY COMPLETE THE WORK.

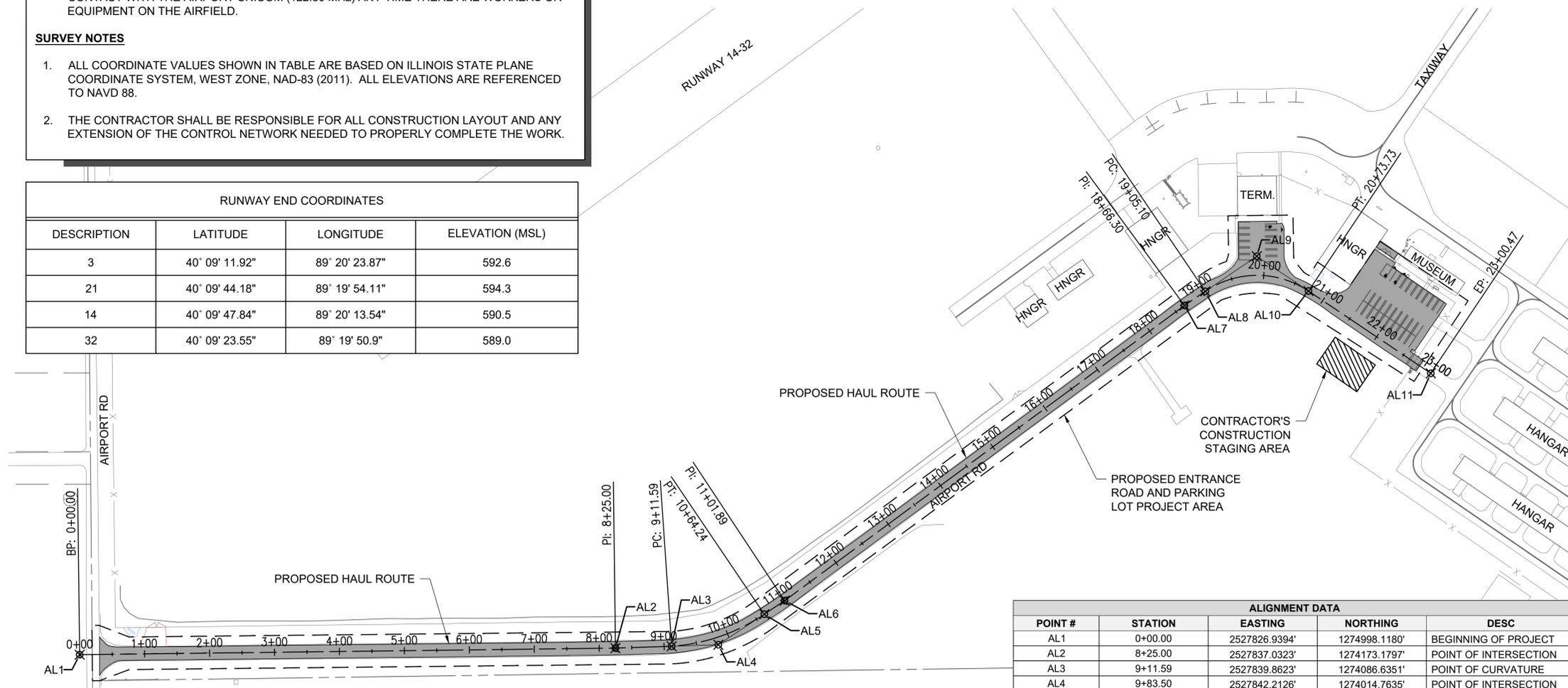


ALL BITUMINOUS PAVEMENT MILLINGS TO BE PLACED INSIDE EXISTING PROPERTY / FENCE LINE ON EXISTING GRAVEL ROAD

PROPOSED ENTRANCE ROAD AND PARKING LOT PROJECT LOCATION

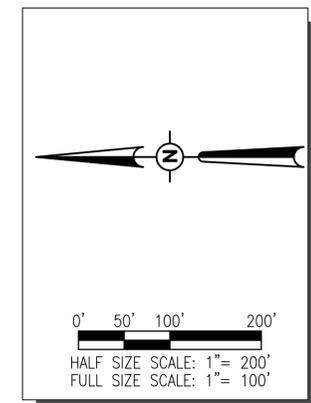
LOCATION FOR PLACEMENT OF MILLED MATERIAL

RUNWAY END COORDINATES			
DESCRIPTION	LATITUDE	LONGITUDE	ELEVATION (MSL)
3	40° 09' 11.92"	89° 20' 23.87"	592.6
21	40° 09' 44.18"	89° 19' 54.11"	594.3
14	40° 09' 47.84"	89° 20' 13.54"	590.5
32	40° 09' 23.55"	89° 19' 50.9"	589.0



HORIZONTAL AND VERTICAL CONTROL DATA				
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
1	"LINCPORT" NGS MONUMENT	1,272,840.99	2,528,951.33	587.91
2	"LINCPORT AZ MK" NGS MONUMENT	1,274,032.36	2,529,777.82	591.81

ALIGNMENT DATA				
POINT #	STATION	EASTING	NORTHING	DESC
AL1	0+00.00	2527826.9394'	1274998.1180'	BEGINNING OF PROJECT
AL2	8+25.00	2527837.0323'	1274173.1797'	POINT OF INTERSECTION
AL3	9+11.59	2527839.8623'	1274086.6351'	POINT OF CURVATURE
AL4	9+83.50	2527842.2126'	1274014.7635'	POINT OF INTERSECTION
AL5	10+64.24	2527889.1085'	1273944.0154'	POINT OF TANGENT
AL6	11+01.89	2527909.9123'	1273912.6303'	POINT OF INTERSECTION
AL7	18+66.30	2528363.0854'	1273297.0361'	POINT OF INTERSECTION
AL8	19+05.10	2528384.8811'	1273264.9321'	POINT OF CURVATURE
AL9	20+00.95	2528438.7216'	1273185.6279'	POINT OF INTERSECTION
AL10	20+73.73	2528385.3043'	1273106.0380'	POINT OF TANGENT
AL11	23+00.47	2528258.9510'	1272917.7759'	END OF PROJECT



REHABILITATE ENTRANCE ROAD AND PARKING LOT

IDA No: AAA-5147
SBG Project No:
3-17-SBGP-184/TBD
Contract No. LO035

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2024
PROJECT NO: 24A0056
CAD FILE: C-101-SOW.DWG
DESIGN BY: JAP 7/9/2024
DRAWN BY: JAP 7/9/2024
REVIEWED BY: LDH 10/12/2024

SHEET TITLE

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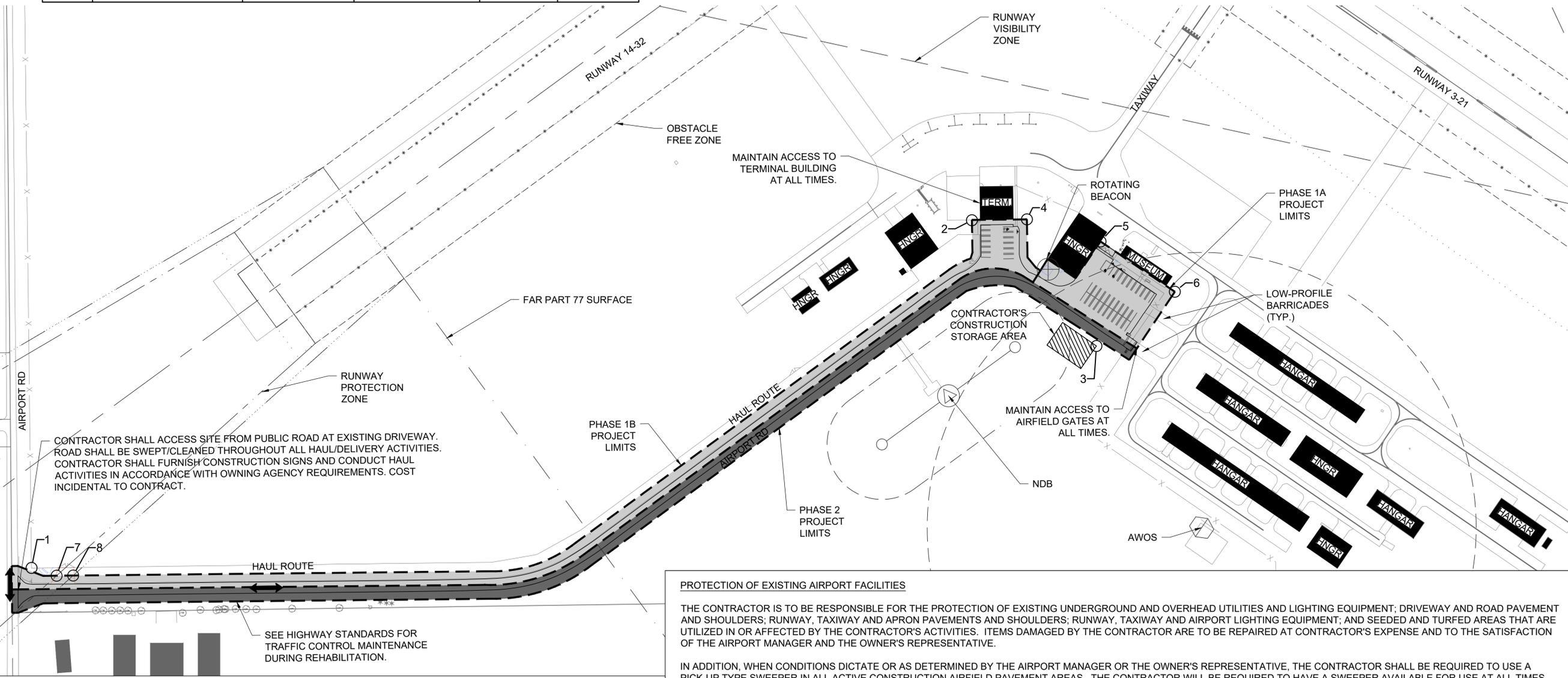
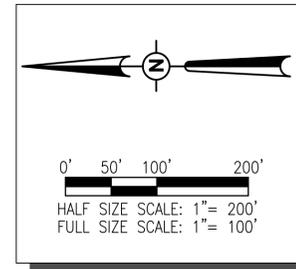
SITE AND SAFETY PLAN

CRITICAL POINTS					
POINT #	DESCRIPTION	GROUND ELEVATION	EQUIPMENT ELEVATION	LATITUDE	LONGITUDE
1	CONSTRUCTION EQUIPMENT	591	606	040° 09' 52.94"	-089° 20' 20.74"
2	CONSTRUCTION EQUIPMENT	592	607	040° 09' 35.96"	-089° 20' 12.81"
3	STAGING AREA	591	611	040° 09' 33.74"	-089° 20' 15.78"
4	CONSTRUCTION EQUIPMENT	592	607	040° 09' 34.97"	-089° 20' 12.80"
5	CONSTRUCTION EQUIPMENT	591	606	040° 09' 33.64"	-089° 20' 13.33"
6	CONSTRUCTION EQUIPMENT	591	606	040° 09' 32.32"	-089° 20' 14.52"
7	RUNWAY PROTECTION ZONE	590	605	040° 09' 52.49"	-089° 20' 20.92"
8	PART 77 SURFACE	590	605	040° 09' 52.19"	-089° 20' 20.92"

EXISTING	PROPOSED	LEGEND
	---	PROJECT LIMIT LINE
	○	CONTROL POINT
	▨	CONSTRUCTION STAGING AREA

NOTES

- PHASE 1 AND 2 WORK TO BE COMPLETED: HMA MILLING, PATCHING, CRACK REPAIR, PAVING, SHOULDER ADJUSTMENT, SEEDING, AND MULCHING.
- MAXIMUM HEIGHT OF CONTRACTOR'S EQUIPMENT 20 FEET FOR ALL WORK, EXCEPT BY PRIOR APPROVAL OF THE ENGINEER (SEE SPECIAL PROVISIONS).
- TRAFFIC TO BE MAINTAINED ON ALL AIRPORT ROADWAYS AT ALL TIMES.



PROTECTION OF EXISTING AIRPORT FACILITIES

THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND LIGHTING EQUIPMENT; DRIVEWAY AND ROAD PAVEMENT AND SHOULDERS; RUNWAY, TAXIWAY AND APRON PAVEMENTS AND SHOULDERS; RUNWAY, TAXIWAY AND AIRPORT LIGHTING EQUIPMENT; AND SEEDED AND TURFED AREAS THAT ARE UTILIZED IN OR AFFECTED BY THE CONTRACTOR'S ACTIVITIES. ITEMS DAMAGED BY THE CONTRACTOR ARE TO BE REPAIRED AT CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE AIRPORT MANAGER AND THE OWNER'S REPRESENTATIVE.

IN ADDITION, WHEN CONDITIONS DICTATE OR AS DETERMINED BY THE AIRPORT MANAGER OR THE OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL BE REQUIRED TO USE A PICK-UP TYPE SWEEPER IN ALL ACTIVE CONSTRUCTION AIRFIELD PAVEMENT AREAS. THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. THE COST OF SWEEPING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CONTRACTOR'S ACCESS AND TEMPORARY FACILITIES

CONTRACTOR'S ACCESS TO THE PROJECT WHEN ON AIRPORT PROPERTY IS SHOWN ON SHEET 4. CONTRACTOR'S ACCESS TO THE AIRPORT ITSELF IS TO BE PROVIDED BY PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR IS TO SECURE ALL NECESSARY PERMITS FOR THE USE OF ANY PUBLIC RIGHTS-OF-WAY AND IS TO MAINTAIN TRAFFIC ON THESE PUBLIC ROADS AT ALL TIMES, WITH THE COSTS OF PERMITTING, CLEANING AND REPAIRING OF PAVEMENT DAMAGED BY CONTRACTOR'S ACTIVITIES INCIDENTAL TO THE CONTRACT. USE OF AND REPAIRS TO ANY PUBLIC FACILITIES ARE TO BE COMPLETED TO THE SATISFACTION OF THE FACILITY'S OWNER.

THE CONTRACTOR IS TO PROVIDE TEMPORARY CONSTRUCTION ROADS WITHIN THE CONSTRUCTION LIMIT LINES AS MAY BE REQUIRED BY HIS ACTIVITIES. HEAVY VEHICLES SHALL NOT CROSS EXISTING PAVEMENT SURFACES EXCEPT AS APPROVED BY THE AIRPORT MANAGER AND THE OWNER'S REPRESENTATIVE. ANY DAMAGE TO PAVEMENTS THAT MAY OCCUR BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE AIRPORT MANAGER AND THE OWNER'S REPRESENTATIVE. FOR HAUL ROUTES MADE BY CONTRACTOR THROUGH GRASSED AREAS, CONTRACTOR SHALL GRADE, LEVEL, TOPSOIL, SEED AND MULCH AT THE END OF THE PROJECT, COST INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR IS TO PROVIDE AN EQUIPMENT STORAGE AND PARKING AREA AT THE LOCATIONS SHOWN ON SAFETY PLAN SHEET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE ACCESS ROADS AND THE STORAGE AREA DURING CONSTRUCTION AND TO RESTORE THE AREAS AT PROJECT COMPLETION TO CONDITIONS SUITABLE TO THE AIRPORT MANAGER AND THE OWNER'S REPRESENTATIVE. AT THE AIRPORT MANAGER'S DISCRETION, THE TEMPORARY FACILITIES MAY REMAIN, BUT THEY MUST BE LEFT IN CONDITIONS SUITABLE TO THE AIRPORT MANAGER. THE COST OF PROVIDING, MAINTAINING AND RESTORING THE TEMPORARY FACILITIES IS INCIDENTAL TO THE CONTRACT.

RESPONSIBILITY FOR EXISTING UTILITIES

THE LOCATION, SIZE AND/OR TYPE OF MATERIAL OF EXISTING UNDERGROUND OR OVERHEAD UTILITIES AS MAY BE INDICATED ON THESE CONSTRUCTION PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE PROJECT ENGINEER HAVE INDEPENDENTLY VERIFIED THIS INFORMATION AND NEITHER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE INFORMATION AND GIVE NO EXPRESSED OR IMPLIED GUARANTEE THAT ANY CONDITIONS INDICATED ARE REPRESENTATIVE OF ACTUAL CONDITIONS TO BE ENCOUNTERED.

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 ALL UTILITY COMPANIES AND AGENCIES OF HIS CONSTRUCTION PLANS AND SHALL OBTAIN FROM EACH PARTY DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF ALL UTILITIES AND THE WORKING SCHEDULE OF ANY REMOVALS OR ADJUSTMENTS REQUIRED OF THE UTILITY. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (PHONE 800-892-0123) TO ASSIST IN THE ABOVE.

THE CONTRACTOR SHALL PROTECT ANY FACILITIES TO THE SATISFACTION OF THE UTILITY OR OWNING-AGENCY WITH THE COST OF ANY REQUIRED PROTECTION TO BE INCIDENTAL TO THE CONTRACT. IN THE EVENT A UTILITY LINE OR SERVICE IS UNEXPECTEDLY ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND THE UTILITY COMPANY OR AGENCY OF JURISDICTION. ANY SUCH UTILITIES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO SERVICE AT ONCE.

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SAFETY NOTES

- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE APPROVED BY THE FAA AND THE AIRPORT.
- THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEETS.
- NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- PRIOR TO ACCESSING THE AIRFIELD, ANY DESIGNATED CONTRACTOR OR SUBCONTRACTOR EMPLOYEES WHO WILL BE OPERATING OR ESCORTING A VEHICLE ON AN ACTIVE AREA OF THE AIRFIELD MUST BE FAMILIAR WITH THE "FAA GUIDE TO GROUND VEHICLE OPERATIONS", AND KEEP A HARD COPY IN THE VEHICLE FOR REFERENCE. THE GUIDE CAN BE FOUND AT: https://www.faa.gov/airports/runway_safety/media/Ground_Vehicle_Guide_Proof_Final.pdf
- NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE (OPEN) AIRFIELD PAVEMENT AREA WITHOUT AN APPROPRIATE ESCORT. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF RWY 3/21 or 14/32 (DISTANCES MEASURED FROM ACTIVE CENTERLINES) UNLESS CLOSED OR OTHERWISE NOTED. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL ALSO NOT BE PERMITTED WITHIN 65.5' OF ANY ACTIVE AIRPORT TAXIWAY CENTERLINE OR APRON UNLESS OTHERWISE NOTED.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE PROVIDED FOR AT THE PRE-CONSTRUCTION CONFERENCE.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" LATEST EDITION.
- NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY, WITHIN 65.5' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION", LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 20' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND ADDITIONAL AIRSPACE APPROVAL BY THE FAA. AIRSPACE APPROVALS REQUIRE CONSIDERABLE LEAD TIME AND SHOULD BE REQUESTED WELL IN ADVANCE.
- NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEP, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- CONTRACTOR SHALL TAKE MEASURES TO AVOID TRACKING BITUMINOUS TACK COAT ASSOCIATED WITH PAVING PROJECTS ONTO ADJACENT PAVEMENT AREAS, ESPECIALLY GROOVED RUNWAY PAVEMENTS, UNLESS SUFFICIENT PROTECTION HAS BEEN APPLIED. HEAVY TRACKING OR DAMAGE TO ADJACENT PAVEMENTS AND GROOVED SURFACES MAY BE CAUSE FOR STOPPING THE WORK UNTIL ACCEPTABLE PROTECTION OR CHANGE IN WORK METHODS HAS BEEN PROVIDED.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.

- THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE.
- CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING MEASURES TO CONTROL OR AVOID CREATING ATTRACTANTS TO WILDLIFE. MEASURES MAY INCLUDE CONTINUOUSLY REMOVING ANY WASTE OR LOOSE MATERIALS, PLACEMENT OF MATERIALS IN APPROPRIATE STORAGE CONTAINERS, PROPERLY MAINTAINING FENCES AND GATES TO PREVENT ACCESS, AND PREVENTING PONDING OF WATER THROUGHOUT THE SITE.
- UNLESS SPECIFIED OTHERWISE, COST FOR SAFETY, STAGING, AND TRAFFIC MAINTENANCE ITEMS SHALL BE PAID UNDER ITEM AR150530. SEPARATE PAYMENT SHALL NOT BE MADE.
- THE CONTRACTOR SHALL HAVE THE SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), AS DETAILED IN THE SPECIAL PROVISIONS, SUBMITTED AND APPROVED PRIOR TO BEING ISSUED "NOTICE TO PROCEED".
- ALL PAVEMENT CLOSURES SHALL BE COORDINATED WITH AIRPORT MANAGEMENT A MINIMUM OF 7 DAYS BEFORE THE DESIRED CLOSING TIME TO ALLOW FOR THE PROPER COORDINATION. AIRPORT MANAGEMENT HAS COMPLETE AUTHORITY IN DETERMINING WHEN THE RUNWAY/TAXIWAY MAY BE CLOSED.

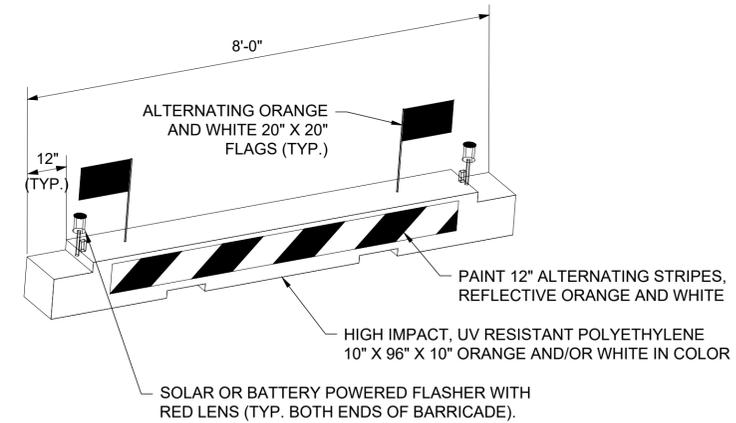


800.892.0123

PROJECT IS LOCATED IN
NORTHEAST 1/4 OF SECTION
29, EAST LINCOLN
TOWNSHIP, LOGAN COUNTY

NOTES

- VERTICAL COORDINATES ARE IN NGVD 29. HORIZONTAL COORDINATES ARE IN STATE PLANE NAD 83 ILLINOIS WEST.
- STATIONS, OFFSETS AND ELEVATIONS SHOWN ARE IN FEET.
- THE AIRPORT REFERENCE CODE FOR RUNWAY 3-21 IS B-II. BOTH RUNWAY 3 AND RUNWAY 21 HAVE A NON-PRECISION APPROACH WITH VISIBILITY MINIMUM OF 1 MILE.
- THE AIRPORT REFERENCE CODE FOR RUNWAY 14-32 IS A-I UTILITY. BOTH RUNWAY 14 AND RUNWAY 32 HAVE A VISUAL APPROACH.



LOW PROFILE AIRCRAFT BARRICADE DETAIL

BARRICADE NOTES

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- BARRICADES SHALL BE INTERLOCKED END TO END OVER THE LENGTH OF THE PAVEMENT WHERE PROTECTING OPEN RUNWAYS, AND SPACED END TO END A MAXIMUM OF 4 FEET IN OTHER ALL OTHER AREAS. BARRICADES ARE TO BE SET BACK FROM THE ACTIVE RUNWAY OR TAXIWAY CENTERLINE THE DISTANCE AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.
- COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING BARRICADES SHALL BE PAID UNDER ITEM AR150530



Offices Nationwide
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1525 S. 6th Street
Springfield, IL 62568
phone: 217-788-2450
fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084

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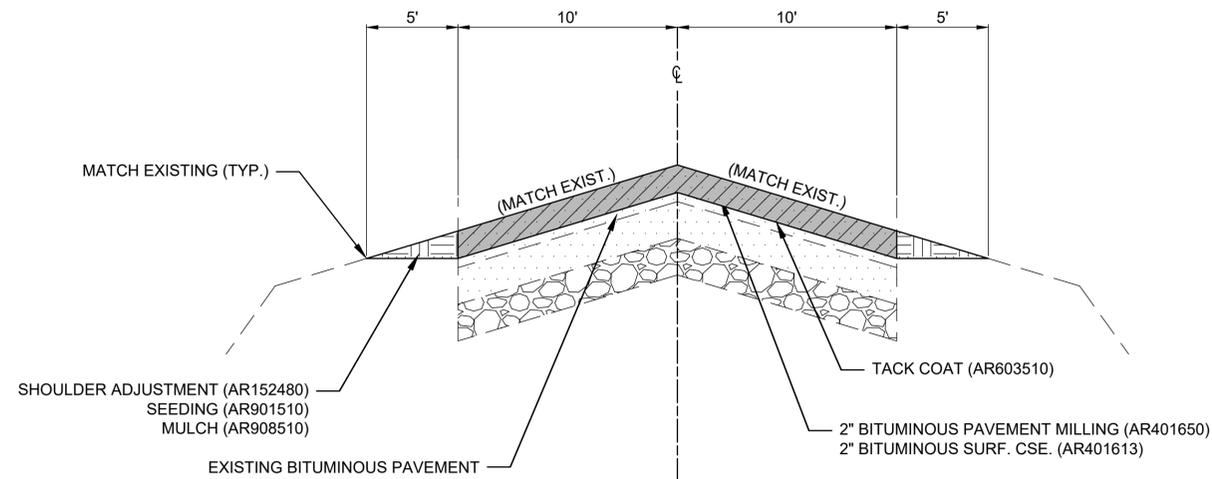
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DESIGN BY: JAP 7/9/2024
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SHEET TITLE

**SITE & SAFETY PLAN
NOTES**

LOGAN COUNTY AIRPORT

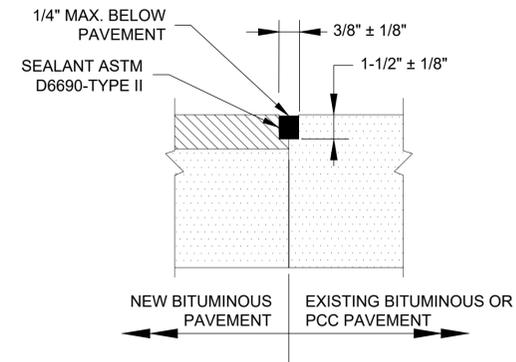
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NOTE: 1990 RECORD DRAWINGS SHOW 2 - 1.5" LIFTS OF BITUMINOUS SURFACE COURSE ON UNKNOWN DEPTH OF EXISTING BITUMINOUS SURFACE COURSE AND CRUSHED AGGREGATE BASE COURSE.

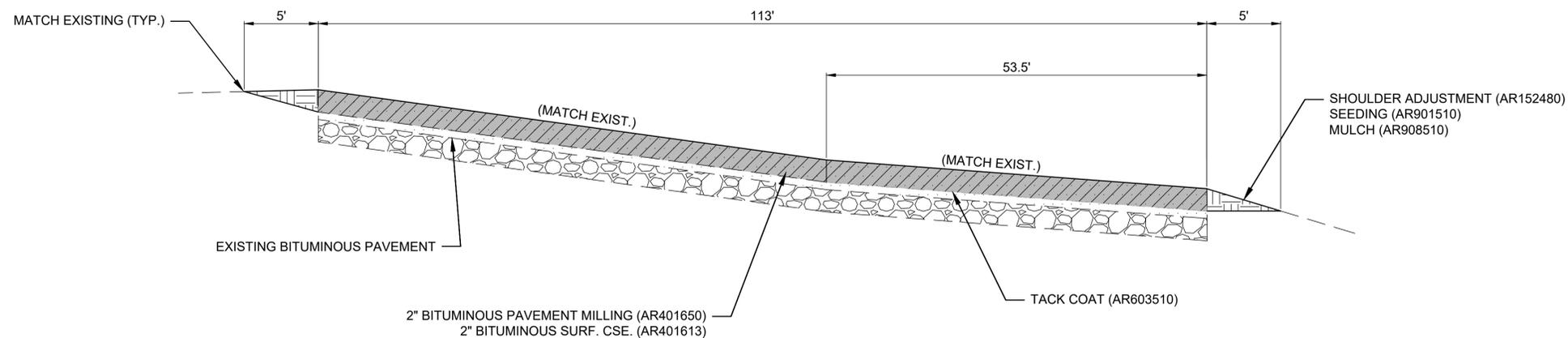
TYPICAL SECTION A-A - ENTRANCE ROAD

NOT TO SCALE



NOTE:
ALL BITUMINOUS/BITUMINOUS JOINT SEALING TO BE PAID UNDER
SAW AND SEAL BITUMINOUS JOINTS, ITEM AR401660.

BITUMINOUS/BITUMINOUS SEAL



NOTE: 1990 RECORD DRAWINGS SHOW 2 - 1.5" LIFTS OF BITUMINOUS SURFACE COURSE ON UNKNOWN DEPTH OF CRUSHED AGGREGATE BASE COURSE.

TYPICAL SECTION B-B - PARKING LOT

NOT TO SCALE

EXISTING	PROPOSED	LEGEND
		BIT. SURF. CSE.-METHOD I, SUPERPAVE
		BIT. PAVEMENT MILLING
		SHOULDER ADJUSTMENT (FILL)
		BITUMINOUS PAVEMENT
		AGGREGATE BASE

**REHABILITATE
ENTRANCE ROAD AND
PARKING LOT**

IDA No: AAA-5147

SBG Project No:
3-17-SBGP-184/TBD

Contract No. LO035

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2024

PROJECT NO: 24A0056

CAD FILE: C-301-TYP.DWG

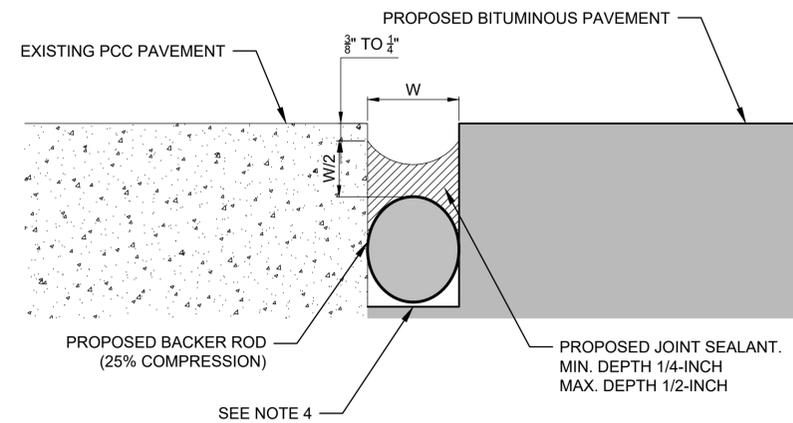
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DRAWN BY: JAP 7/9/2024

REVIEWED BY: LDH 10/12/2024

SHEET TITLE

TYPICAL SECTIONS

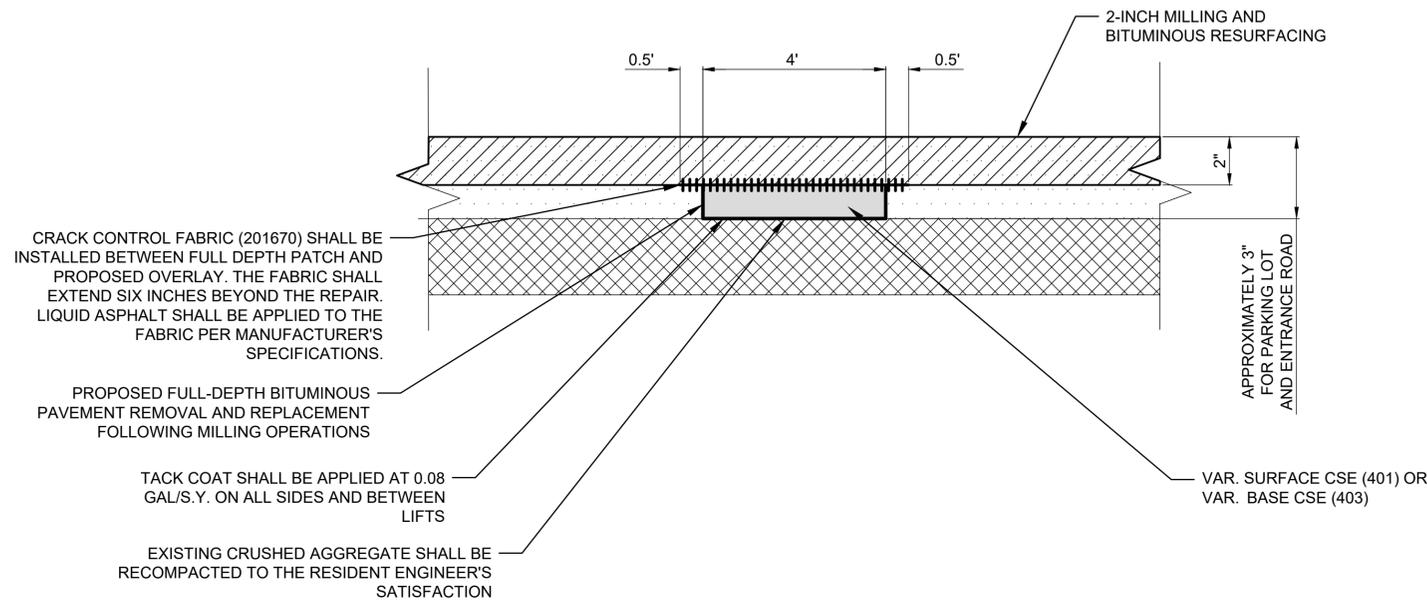


PCC TO ASPHALT JOINT SEALING DETAIL (AR401660)

NOT TO SCALE

NOTES:

- SEALANT SHALL BE RECESSED A MINIMUM 3/8-INCH TO 1/4-INCH BELOW PAVEMENT (BASED ON DEPTH OF LOWEST SLAB).
- JOINT SHALL HAVE A DEPTH/WIDTH RATIO OF 0.5 OR AS SPECIFIED BY THE MANUFACTURER.
- A SHALLOW CUT MAY BE USED WHERE THE BACKER ROD IS PLACED AT THE BOTTOM OF THE JOINT.
- BACKER ROD SIZING SHALL BE BASED ON THE MANUFACTURER'S RECOMMENDATION.
- ASPHALT MUST BE COMPLETELY REMOVED FROM CONCRETE FACE.
- NEW ASPHALT PAVEMENT MUST BE CLEAN, DRY, AND CURED. CURE TIME WILL BE BASED ON THE RESIDENT ENGINEER'S APPROVAL.



AR401916 REMOVE & REPLACE BITUMINOUS PAVEMENT - TYPE B (FULL DEPTH)

NOT TO SCALE

EXISTING	PROPOSED	LEGEND
		BIT. PAVEMENT
		BIT. PAVEMENT MILLING
		BITUMINOUS PAVEMENT
		CRUSHED AGGREGATE

**REHABILITATE
ENTRANCE ROAD AND
PARKING LOT**

IDA No: AAA-5147

SBG Project No:
3-17-SBGP-184/TBD

Contract No. LO035

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DESIGN BY: JAP 7/9/2024

DRAWN BY: JAP 7/9/2024

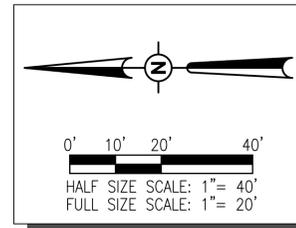
REVIEWED BY: LDH 10/12/2024

SHEET TITLE

**PAVEMENT
PATCHING DETAILS**

LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656



NOTES

CLEAN & SEAL BITUMINOUS CRACKS

1. A NOMINAL QUANTITY OF AR201661 "CLEAN AND SEAL BITUMINOUS CRACKS" HAS BEEN INCLUDED AND WILL BE LAID OUT BY THE RESIDENT ENGINEER FOLLOWING PAVEMENT MILLING.

BITUMINOUS PAVEMENT MILLING

1. CONTRACTOR SHALL PROTECT ALL ADJACENT PAVEMENT EDGES DURING MILLING AND PAVING OPERATIONS. ANY DAMAGE DONE TO EXISTING PAVEMENT OR MARKINGS SHALL BE REPAIRED OR REMARKED AT THE CONTRACTOR'S EXPENSE.
2. MILLED MATERIAL SHALL BE PLACED IN THE AREAS DESIGNATED IN THE PLANS. MILLINGS SHALL BE EVENLY SPREAD TO PROMOTE DRAINAGE.

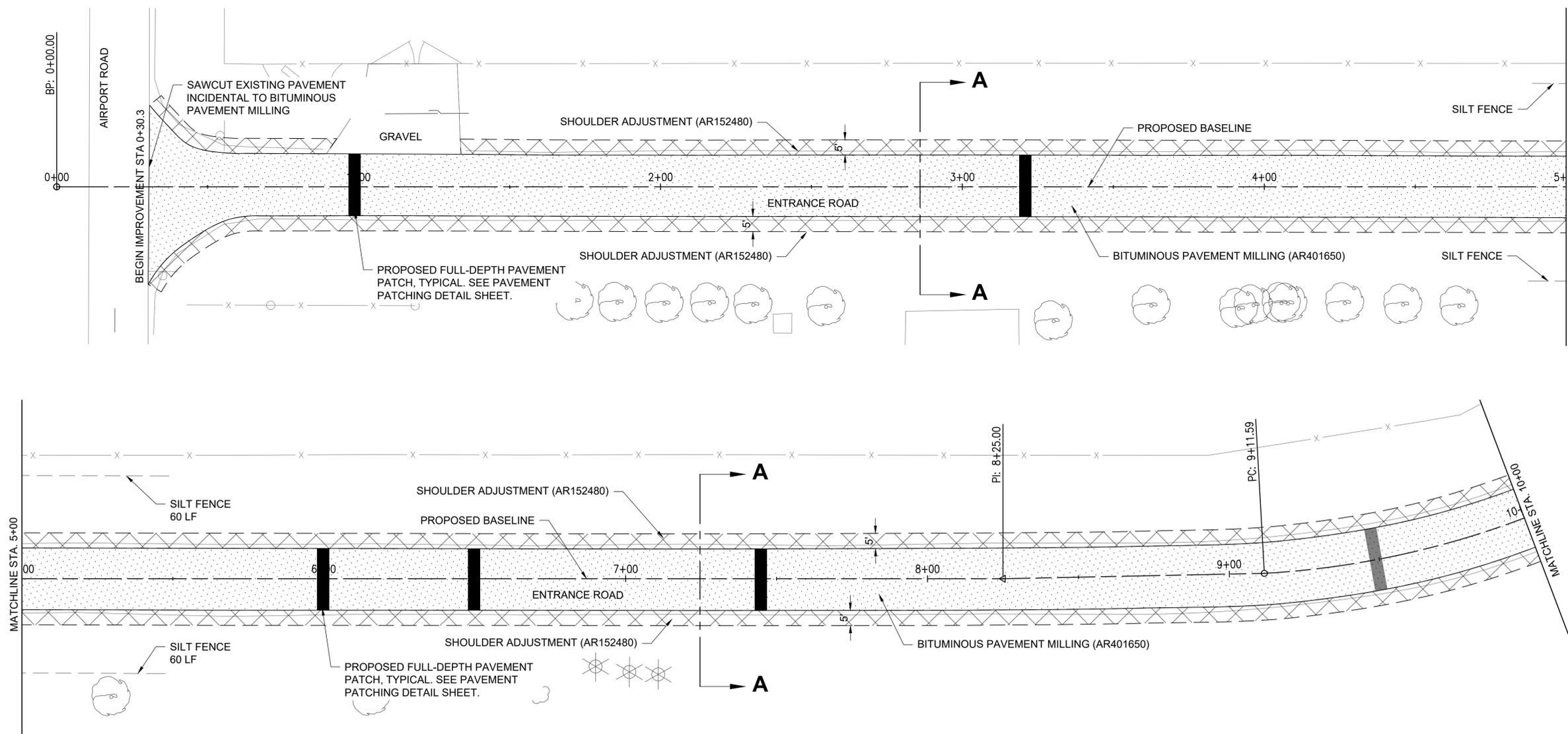
REMOVE & REPLACE BITUMINOUS PAVEMENT

1. SEE DETAILS SHEET FOR PATCHING DETAILS. A NOMINAL QUANTITY OF FULL DEPTH PATCHES HAVE BEEN INCLUDED. LOCATIONS FOR EACH WILL BE LAID OUT BY THE RESIDENT ENGINEER / RESIDENT TECHNICIAN FOLLOWING MILLING.

ELECTRICAL

1. THE CONTRACTOR SHALL EXAMINE THE SITE TO CONFIRM AND FIELD VERIFY EXISTING SITE CONDITIONS.
2. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT MANAGER/DIRECTOR AND RESIDENT ENGINEER/TECHNICIAN.

EXISTING	PROPOSED	LEGEND
		BITUMINOUS PAVEMENT MILLING (AR401650)
		SHOULDER ADJUSTMENT (AR152480)
		REMOVE AND REPLACE BITUMINOUS PAVEMENT
		ELECTRICAL DUCT
		AIRPORT FENCE
		UNDERGROUND ELECTRIC LINE
		GAS LINE
		TELEPHONE/COMMUNICATION LINE
		WATER LINE
		WATER EQUIPMENT
		PIPE CULVERT
		ROTATING BEACON
		LIGHT POLE
		MAIL BOX
		STORM SEWER EQUIPMENT
		SIGN
		ELECTRICAL HANDHOLE
		TREES
		STORM SEWER LINE



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REHABILITATE ENTRANCE ROAD AND PARKING LOT

IDA No: AAA-5147
SBG Project No:
3-17-SBGP-184/TBD
Contract No. LO035

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		DES	DWN	REV

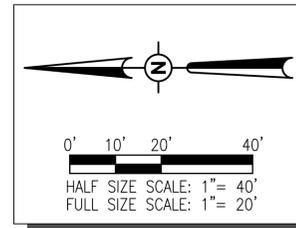
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PROJECT NO: 24A0056
CAD FILE: C-104-REM.DWG
DESIGN BY: JAP 7/9/2024
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REVIEWED BY: LDH 10/12/2024

SHEET TITLE

PAVEMENT PREPARATION PLAN - SHEET 1

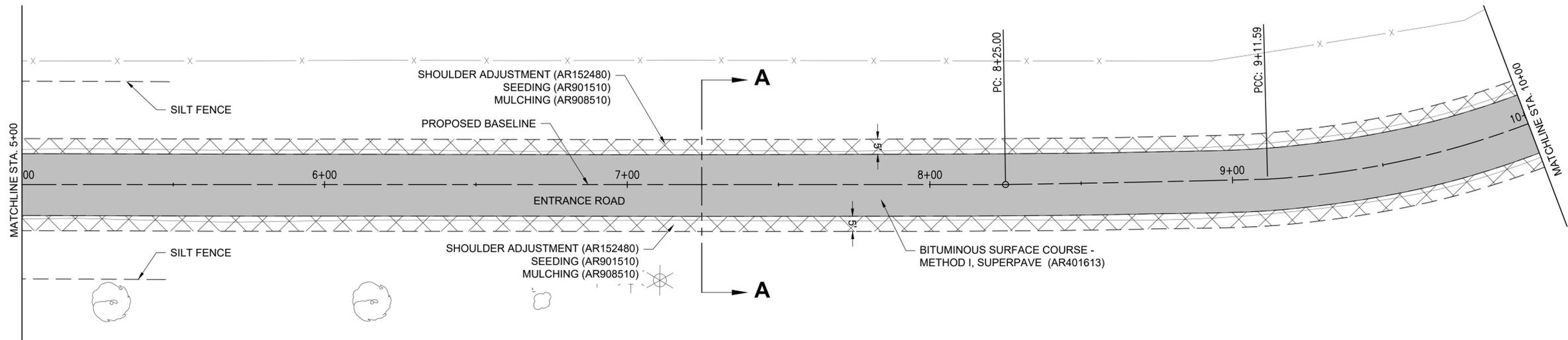
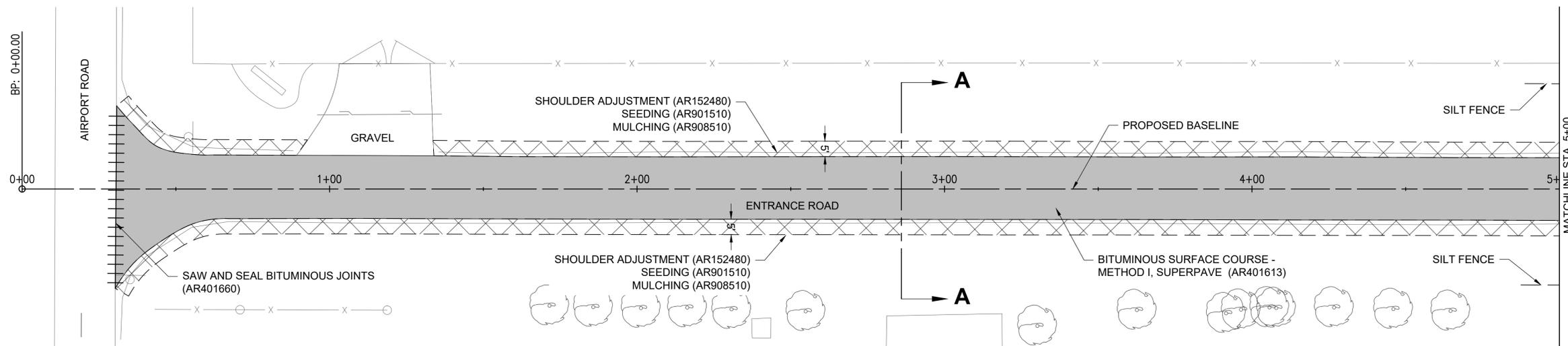
LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656



EXISTING	PROPOSED	LEGEND
		SAW AND SEAL BITUMINOUS PAVEMENT (AR401660)
	XXXXXX	SHOULDER ADJUSTMENT (AR152480)
	▬▬▬▬▬▬	BITUMINOUS SURFACE COURSE - METHOD I, SUPERPAVE (AR401613)
—		ELECTRICAL DUCT
X		AIRPORT FENCE
E		UNDERGROUND ELECTRIC LINE
		OVERHEAD WIRE
G		GAS LINE
T		TELEPHONE/COMMUNICATION LINE
W		WATER LINE
⊙		WATER EQUIPMENT
⊙		PIPE CULVERT
⊕		ROTATING BEACON
⊙		LIGHT POLE
⊙		MAIL BOX
⊙	⊙	STORM SEWER EQUIPMENT
⊙		SIGN
⊙	⊙	ELECTRICAL HANDHOLE
⊙		TREES
—		STORM SEWER LINE

HOT MIX ASPHALT MIXTURE REQUIREMENTS							
ITEM	Ndes	Mix Composition	Friction Aggregate	PG Binder	Aggregate Quality	Max Rap	Density Acceptance
Bituminous Surface Course Method I - Superpave	N50 @ 3.0%	IL 9.5	Mix C	64-22	B or better	10%	Mainline - Nuclear Gauge (92.8%) Joints - Cores (90.5% min)



REHABILITATE ENTRANCE ROAD AND PARKING LOT

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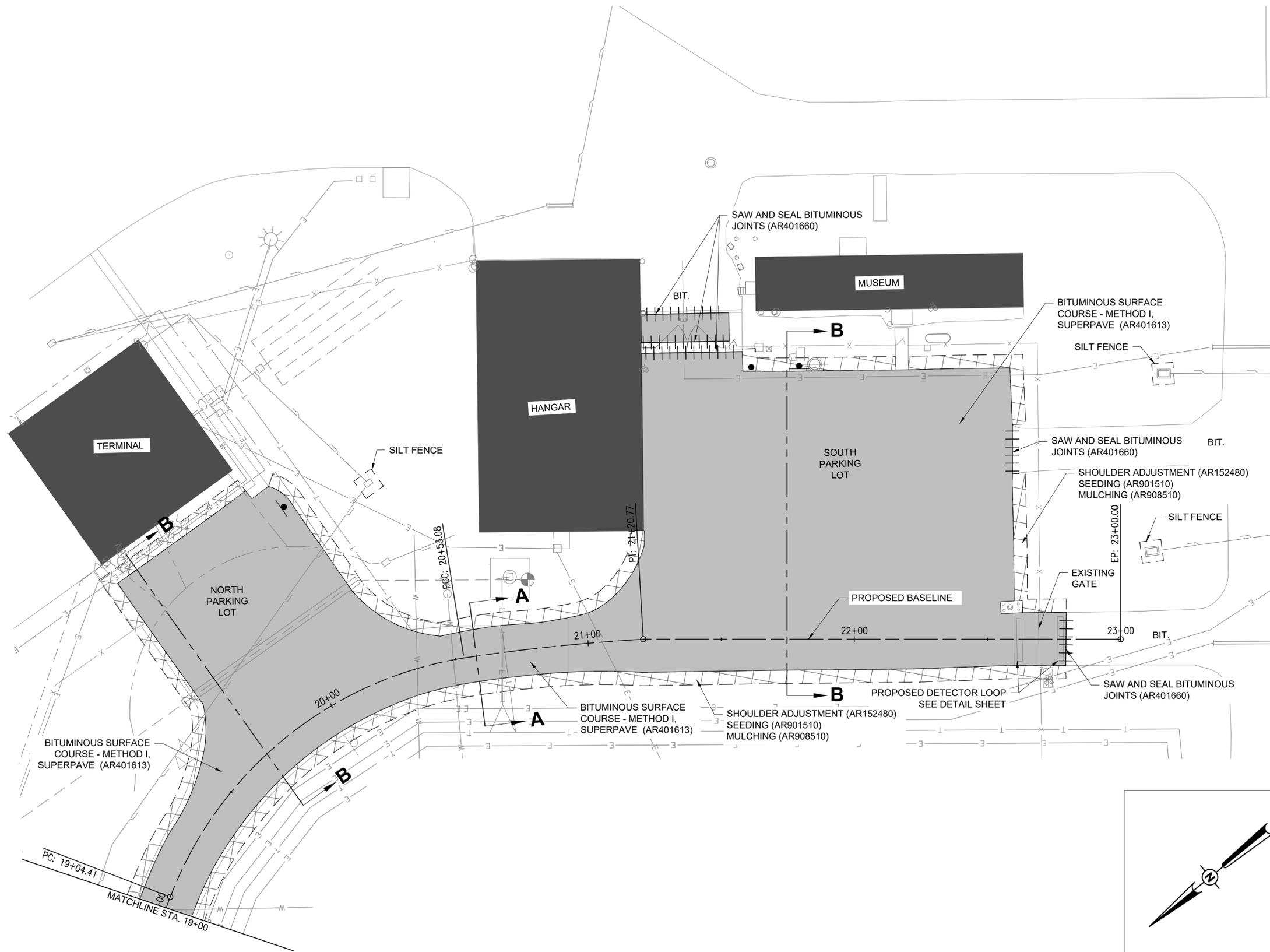
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PROPOSED PAVEMENT PLAN - SHEET 1

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LINCOLN, IL 62656



REHABILITATE ENTRANCE ROAD AND PARKING LOT

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SBG Project No:
3-17-SBGP-184/TBD

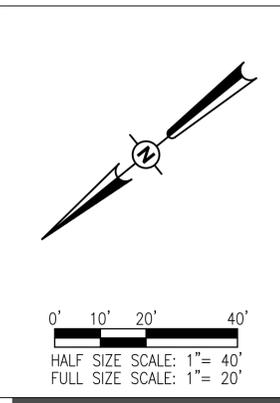
Contract No. LO035

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PROJECT NO: 24A0056
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REVIEWED BY: LDH 10/12/2024

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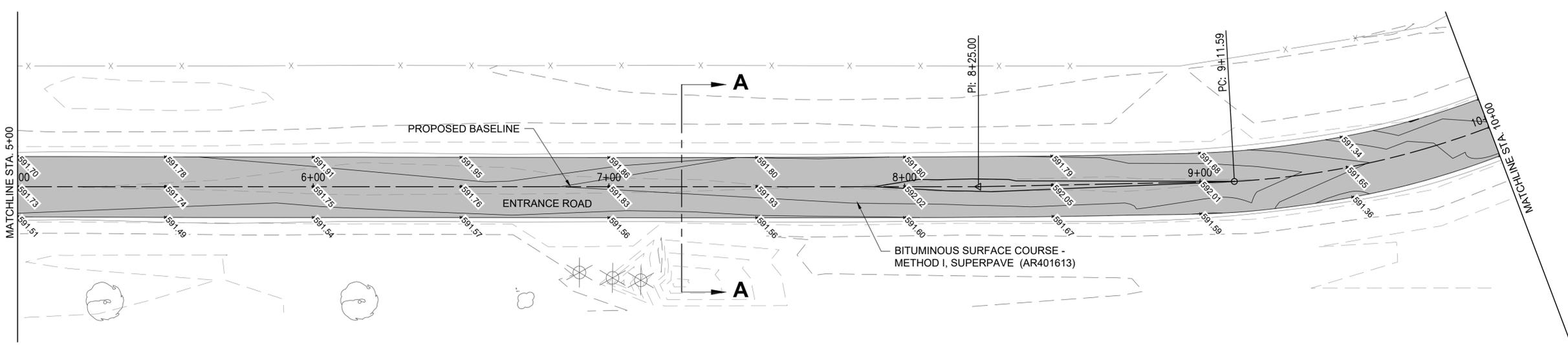
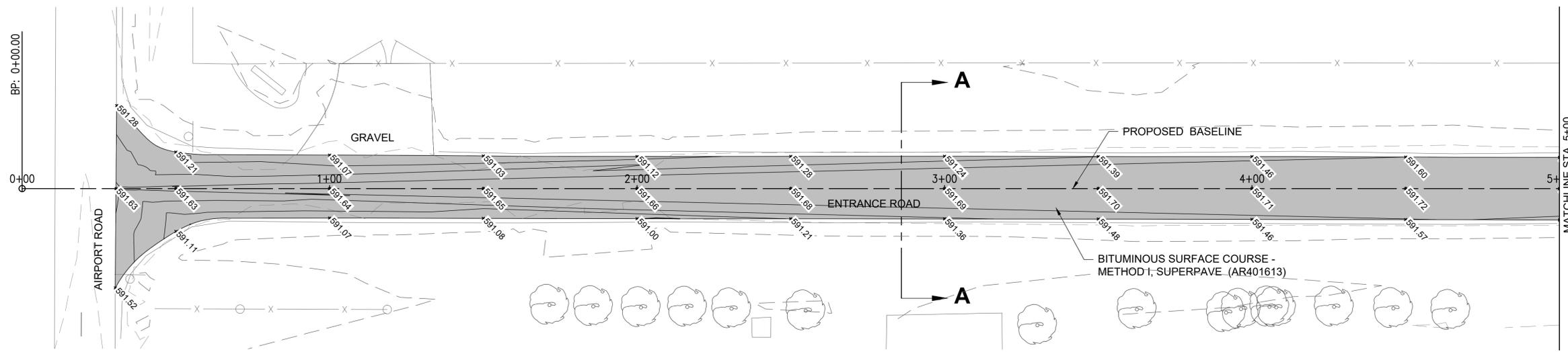
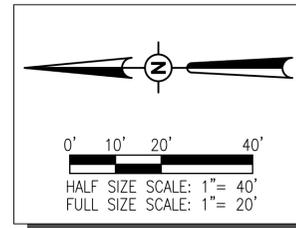
PROPOSED PAVEMENT PLAN - SHEET 3



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LOGAN COUNTY AIRPORT

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**REHABILITATE
ENTRANCE ROAD AND
PARKING LOT**

IDA No: AAA-5147
SBG Project No:
3-17-SBGP-184/TBD
Contract No. LO035

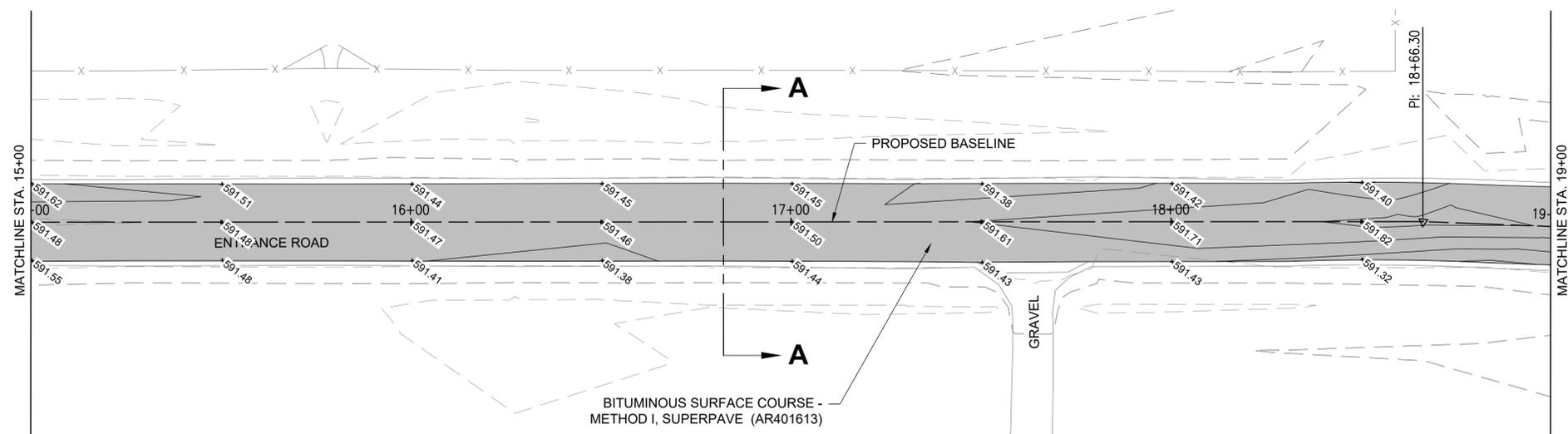
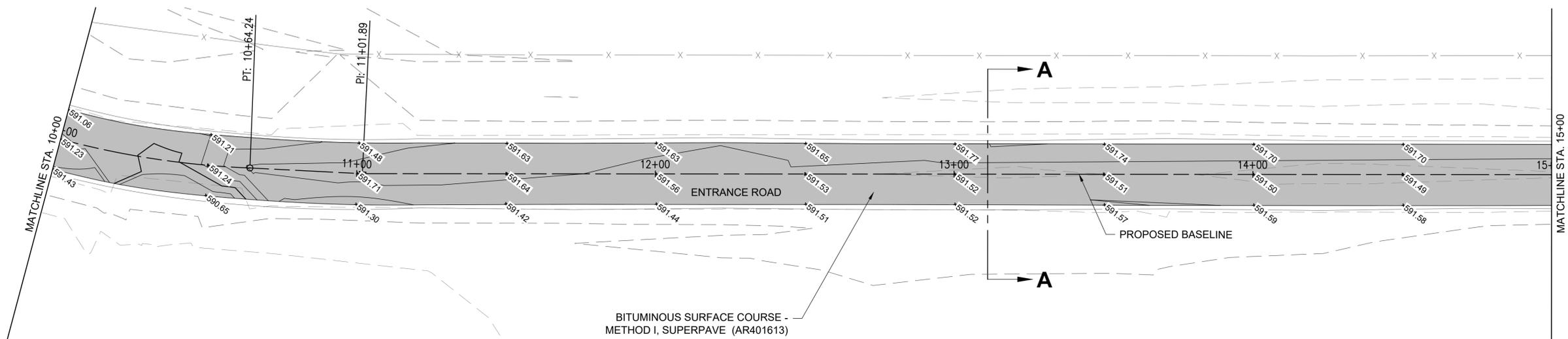
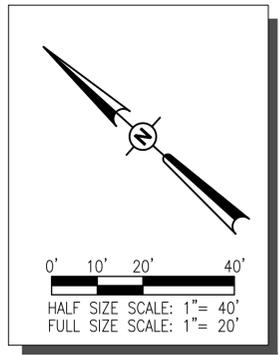
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SHEET TITLE

**PROPOSED STAKING
PLAN - SHEET 1**

LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656



**REHABILITATE
ENTRANCE ROAD AND
PARKING LOT**

IDA No: AAA-5147

SBG Project No:
3-17-SBGP-184/TBD

Contract No. LO035

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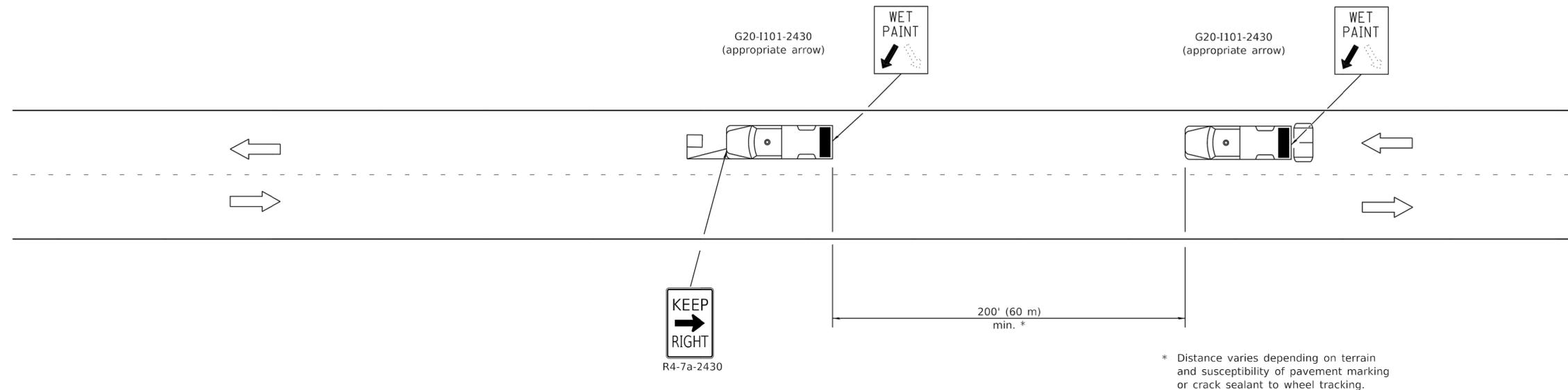
ISSUE: NOVEMBER 22, 2024
PROJECT NO: 24A0056
CAD FILE: C-106-GRD.DWG
DESIGN BY: JAP 7/9/2024
DRAWN BY: JAP 7/9/2024
REVIEWED BY: LDH 10/12/2024

SHEET TITLE

**PROPOSED STAKING
PLAN - SHEET 2**

LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Pavement marking
- Weed spraying
- Roadometer measurements
- Debris cleanup
- Crack pouring

SYMBOLS

- Arrow board (Hazard Mode only)
- Truck with headlights, emergency flashers and flashing amber light. (visible from all directions)
- 18x18 (450x450) min. orange flag (use when guide wheel is used)
- Truck mounted attenuator

GENERAL NOTES

This Standard is used where any vehicle, equipment, workers or their activities will require a continuous moving operation where the average speed is greater than 3 mph (5 km/h).

For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701426.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Switched units to English (metric). Omitted Pass With Care sign.
1-1-00	Elim. speed restrictions in Standard title.

LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY

STANDARD 701311-03

REHABILITATE ENTRANCE ROAD AND PARKING LOT

IDA No: AAA-5147

SBG Project No: 3-17-SBGP-184/TBD

Contract No. LO035

NO.	DATE	DESCRIPTION

ISSUE: NOVEMBER 22, 2024

PROJECT NO: 24A0056

CAD FILE: C-503-TCSTD.DWG

DESIGN BY: JAP 7/9/2024

DRAWN BY: JAP 7/9/2024

REVIEWED BY: LDH 10/12/2024

SHEET TITLE

HIGHWAY STANDARD - SHEET 2

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF OPERATIONS

APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656

**REHABILITATE
ENTRANCE ROAD AND
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NO.	DATE	DESCRIPTION		
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ISSUE: NOVEMBER 22, 2024

PROJECT NO: 24A0056

CAD FILE: C-503-TCSTD.DWG

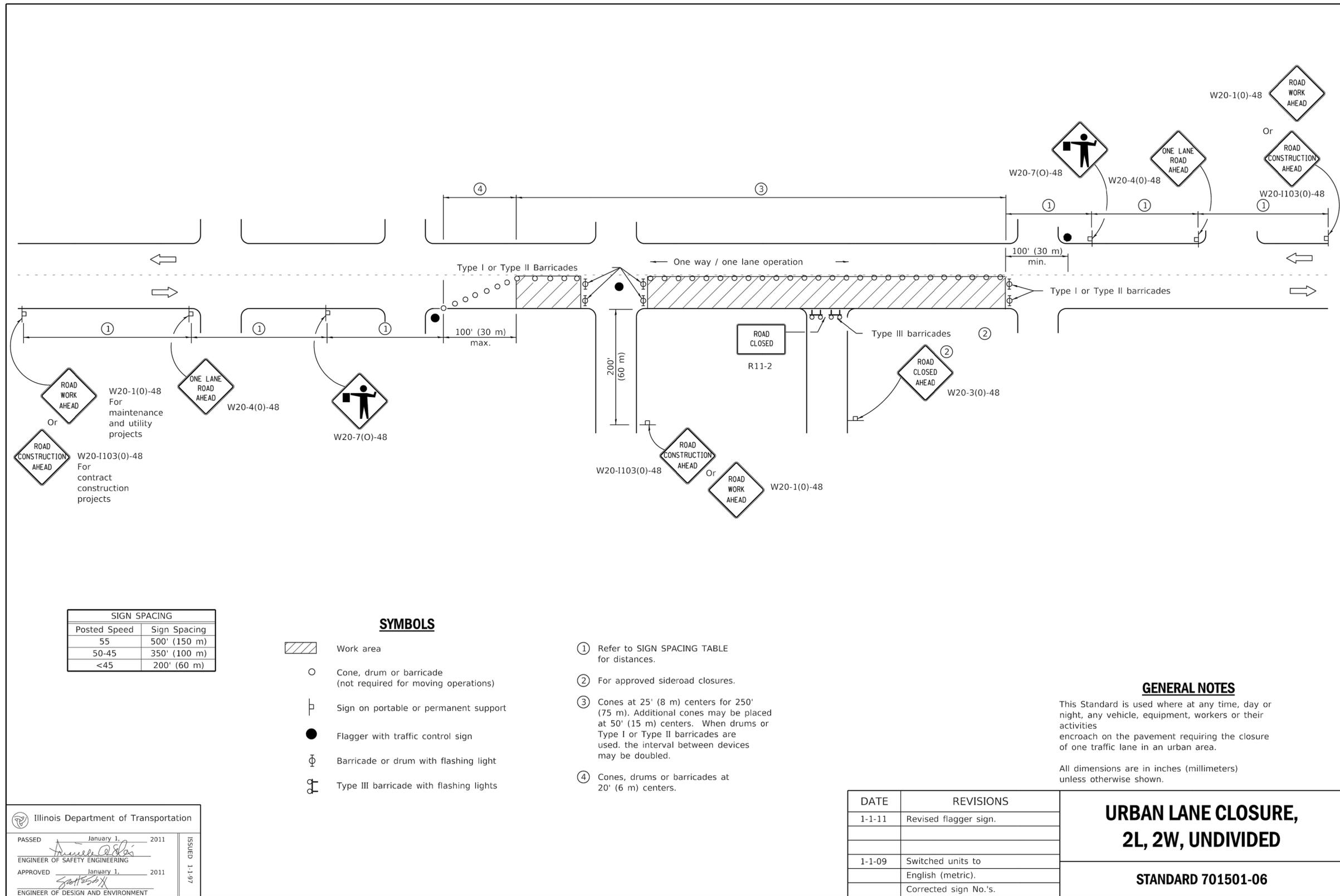
DESIGN BY: JAP 7/9/2024

DRAWN BY: JAP 7/9/2024

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SHEET TITLE

HIGHWAY STANDARD
- SHEET 3



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Illinois Department of Transportation

PASSED January 1, 2011
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2024

PROJECT NO: 24A0056

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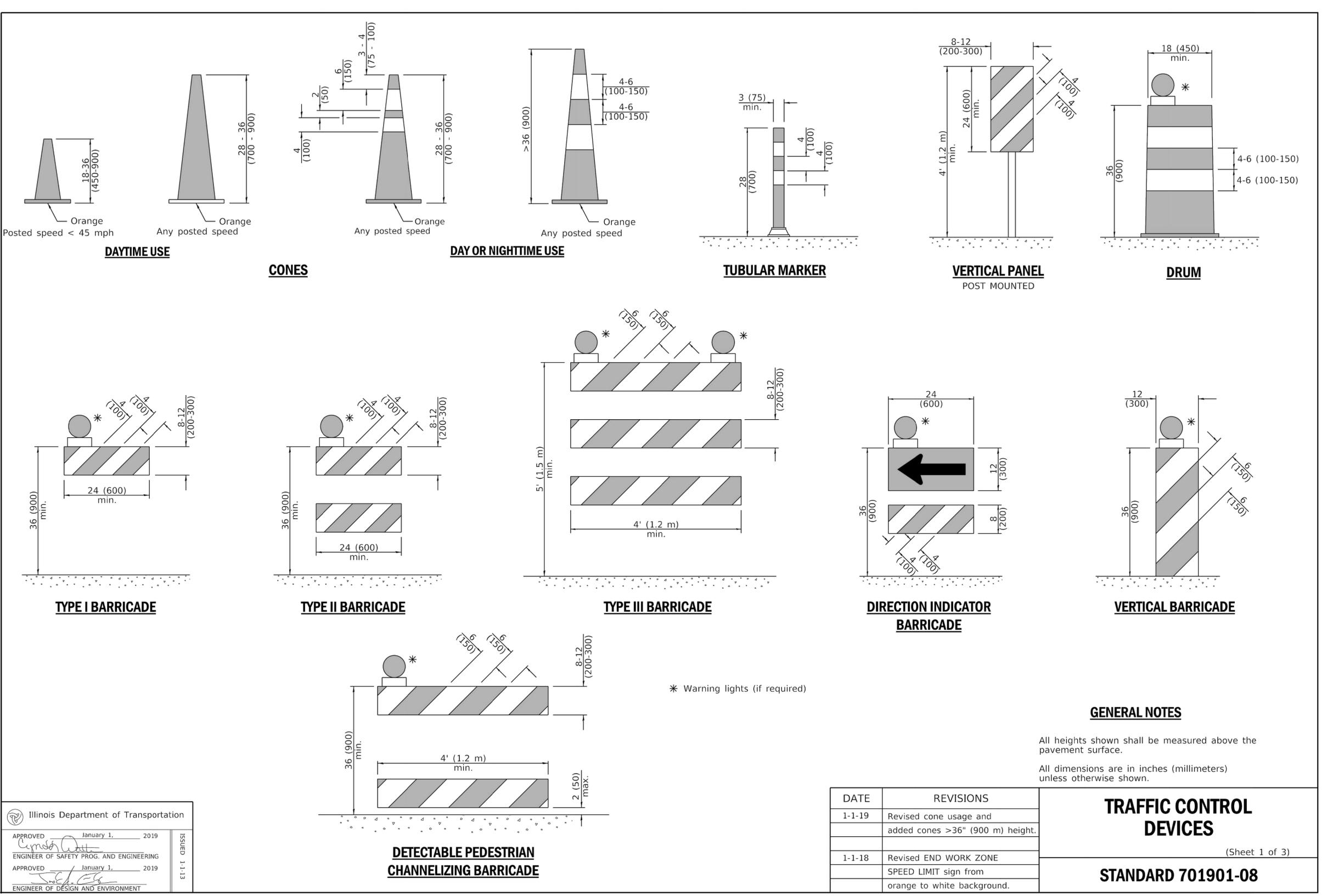
DESIGN BY: JAP 7/9/2024

DRAWN BY: JAP 7/9/2024

REVIEWED BY: LDH 10/12/2024

SHEET TITLE

HIGHWAY STANDARD
- SHEET 4



GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

STANDARD 701901-08

Illinois Department of Transportation

APPROVED January 1, 2019
Cynthia Ott
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
Scott Egan
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-19

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NO.	DATE	DESCRIPTION		
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ISSUE: NOVEMBER 22, 2024

PROJECT NO: 24A0056

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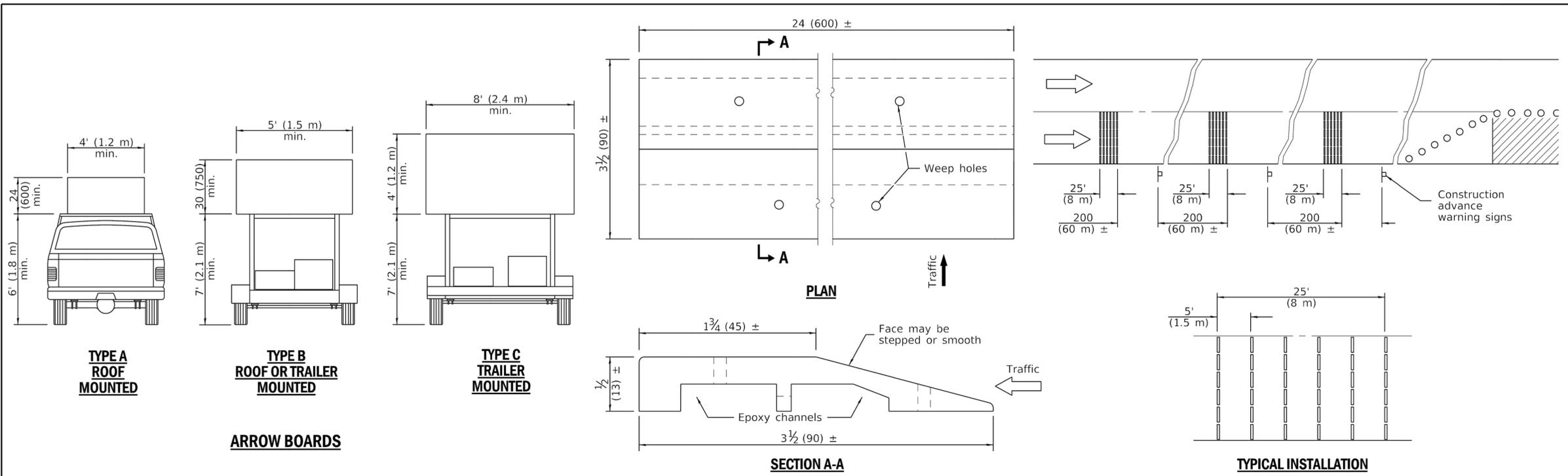
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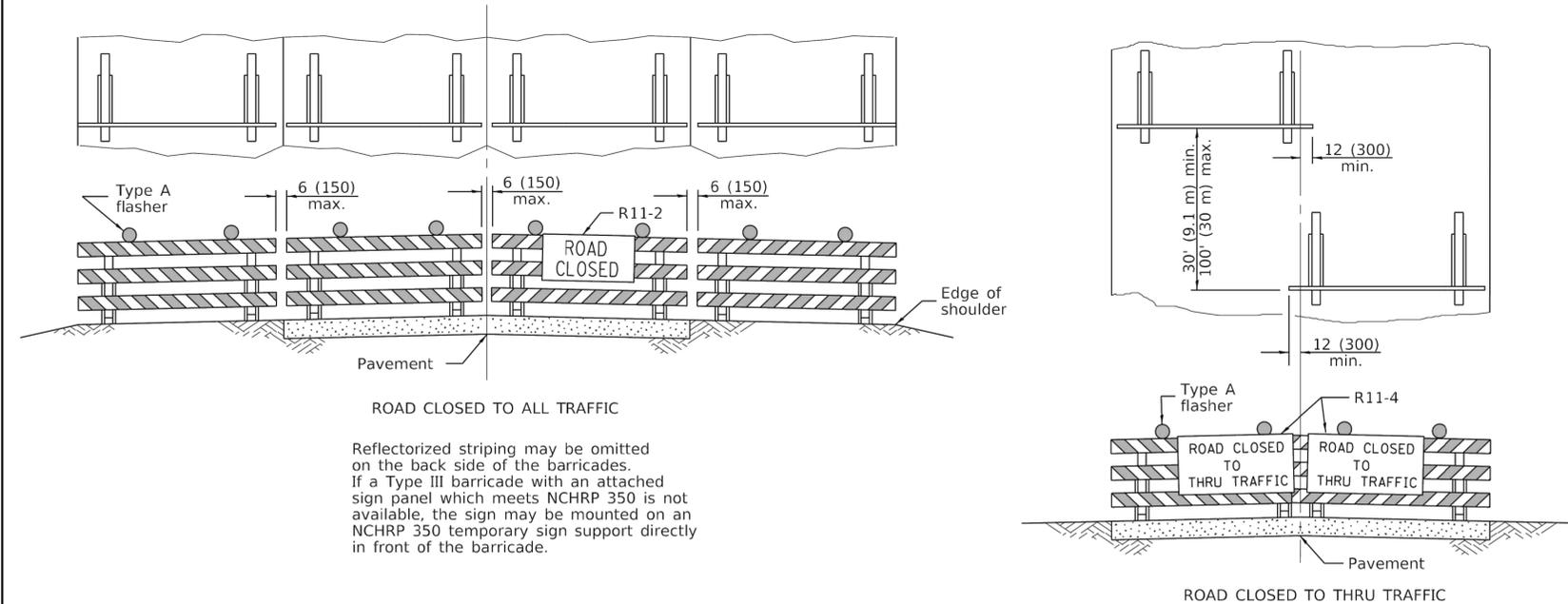
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SHEET TITLE

HIGHWAY STANDARD
- SHEET 6



TEMPORARY RUMBLE STRIPS



**TYPICAL APPLICATIONS OF
TYPE III BARRICADES CLOSING A ROAD**

TRAFFIC CONTROL DEVICES
(Sheet 3 of 3)
STANDARD 701901-08

Illinois Department of Transportation

APPROVED January 1, 2019
[Signature]
ENGINEER OF SAFETY PROG. AND ENGINEERING

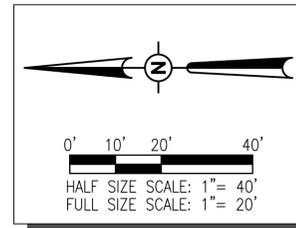
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ENGINEER OF DESIGN AND ENVIRONMENT

ISSUES
ET-1-1 03/05/05

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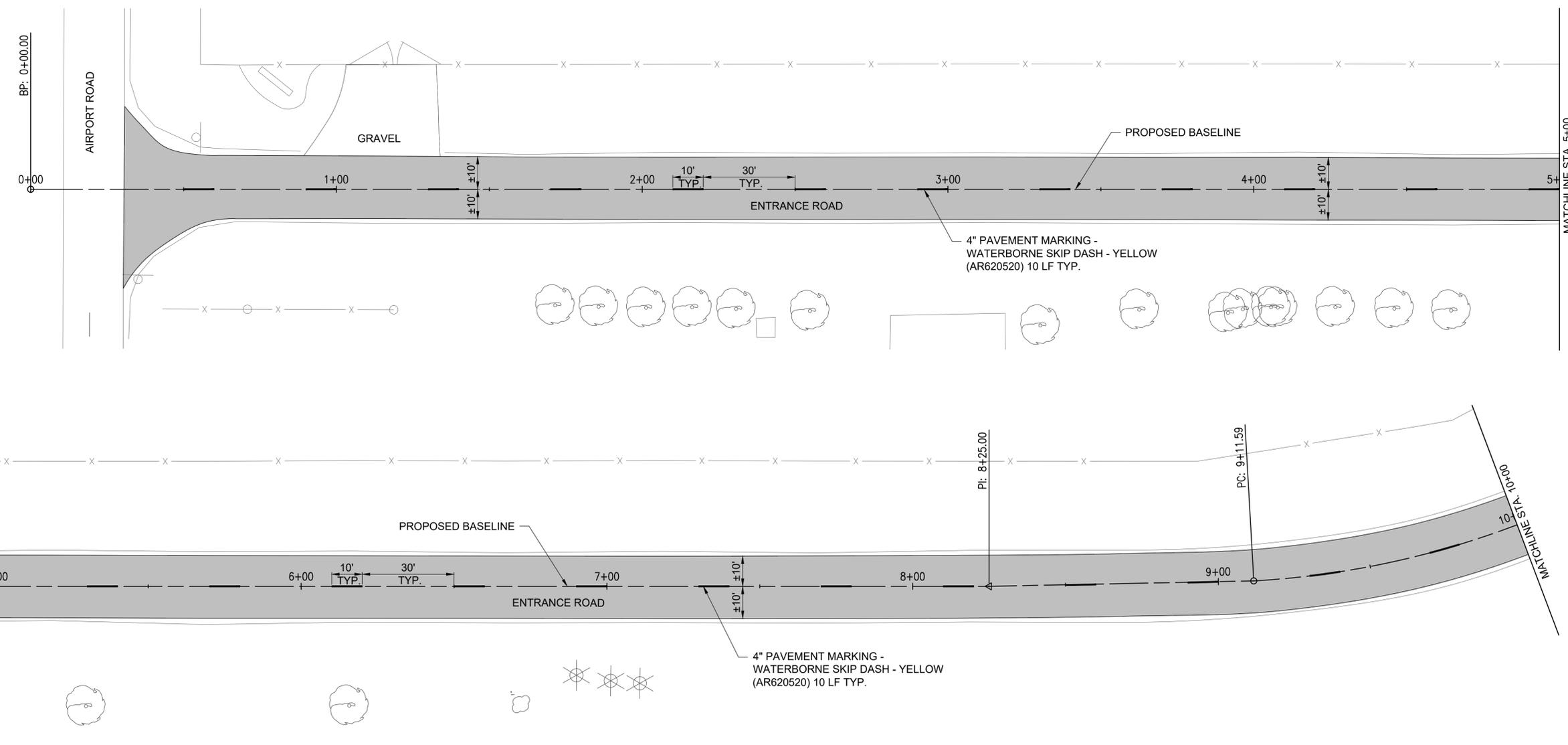
LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656



WATERBORNE PAVEMENT MARKING NOTES

1. ALL MARKING WILL BE YELLOW (AR620520) AND 4" IN WIDTH.
2. SEE PROPOSED MARKING DETAIL SHEET FOR ADDITIONAL INFORMATION.
3. A 30-DAY WAITING PERIOD IS REQUIRED BETWEEN THE PLACEMENT OF BITUMINOUS SURFACE COURSE AND THE FINAL APPLICATION OF WATERBORNE PAINT. AFTER THE PLACEMENT OF SURFACE COURSE AND PRIOR TO THE 30-DAY CURE PERIOD AN INITIAL COAT OF MARKINGS SHALL BE PLACED AT 50% OF THE NORMAL APPLICATION RATE. THE REMAINDER OF THE MARKINGS, SHALL BE PLACED AFTER THE 30-DAY CURE PERIOD HAS ELAPSED.
4. GLASS BEADS SHALL BE APPLIED ON THE SECOND COAT OF MARKING.
5. CUT-OFF SHEETS WILL BE REQUIRED TO ENSURE STRAIGHT EDGES.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR RE-MARKING ANY MARKINGS DAMAGED BY CONSTRUCTION ACTIVITIES THAT ARE OUTSIDE OF THE PROPOSED WORK LIMITS.



REHABILITATE ENTRANCE ROAD AND PARKING LOT

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Contract No. LO035

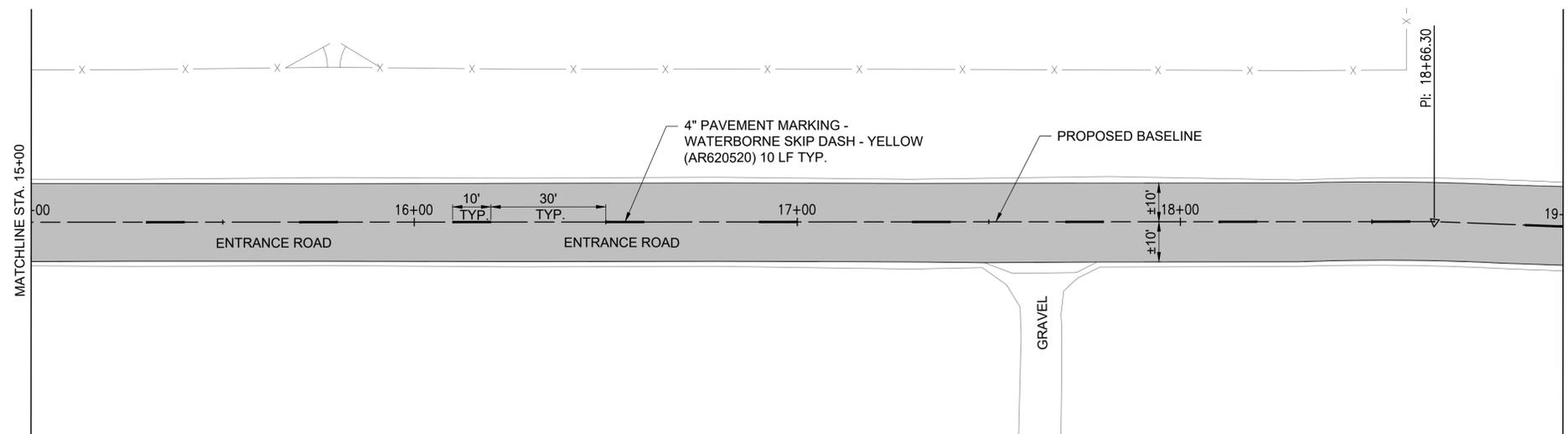
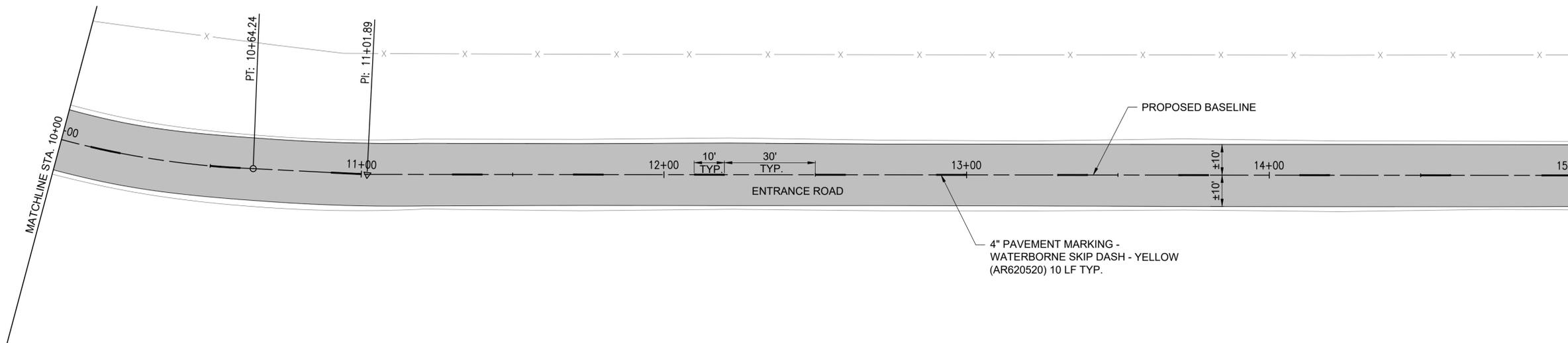
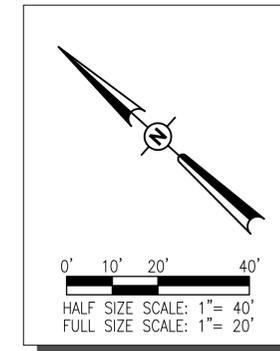
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SHEET TITLE

PROPOSED MARKING PLAN - SHEET 1

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**REHABILITATE
ENTRANCE ROAD AND
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IDA No: AAA-5147

SBG Project No:
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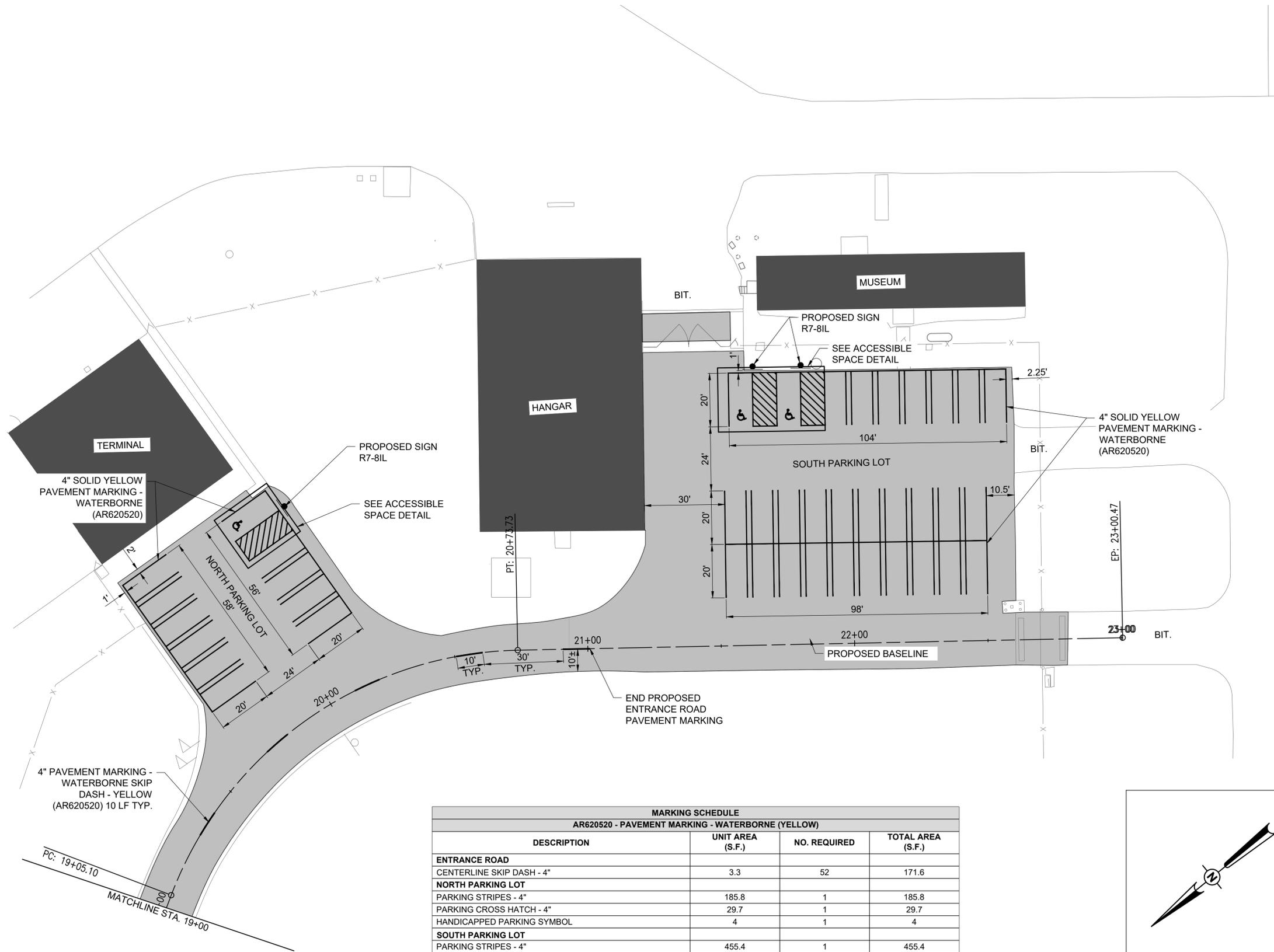
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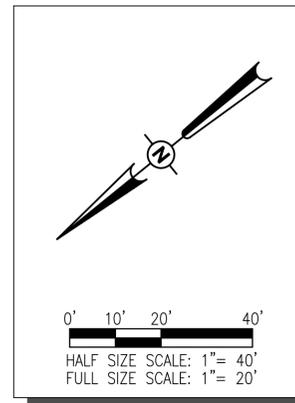
**PROPOSED MARKING
PLAN - SHEET 2**

LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656



MARKING SCHEDULE			
AR620520 - PAVEMENT MARKING - WATERBORNE (YELLOW)			
DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
ENTRANCE ROAD			
CENTERLINE SKIP DASH - 4"	3.3	52	171.6
NORTH PARKING LOT			
PARKING STRIPES - 4"	185.8	1	185.8
PARKING CROSS HATCH - 4"	29.7	1	29.7
HANDICAPPED PARKING SYMBOL	4	1	4
SOUTH PARKING LOT			
PARKING STRIPES - 4"	455.4	1	455.4
PARKING CROSS HATCH - 4"	29.7	2	59.4
HANDICAPPED PARKING SYMBOL	4	2	8



REHABILITATE ENTRANCE ROAD AND PARKING LOT

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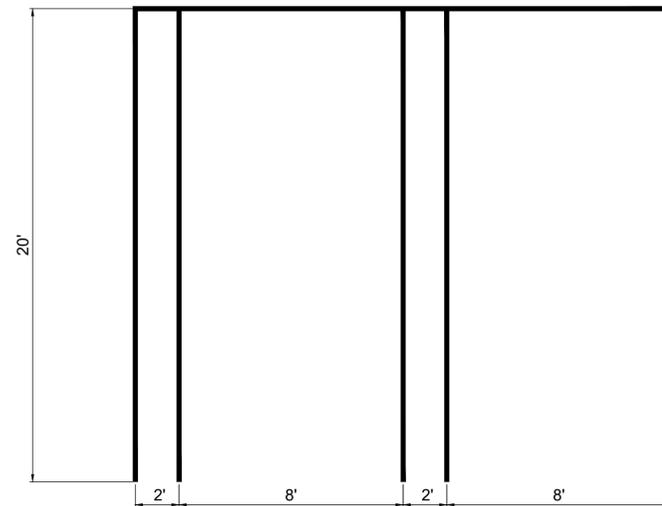
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SHEET TITLE

PROPOSED MARKING PLAN - SHEET 3

LOGAN COUNTY AIRPORT

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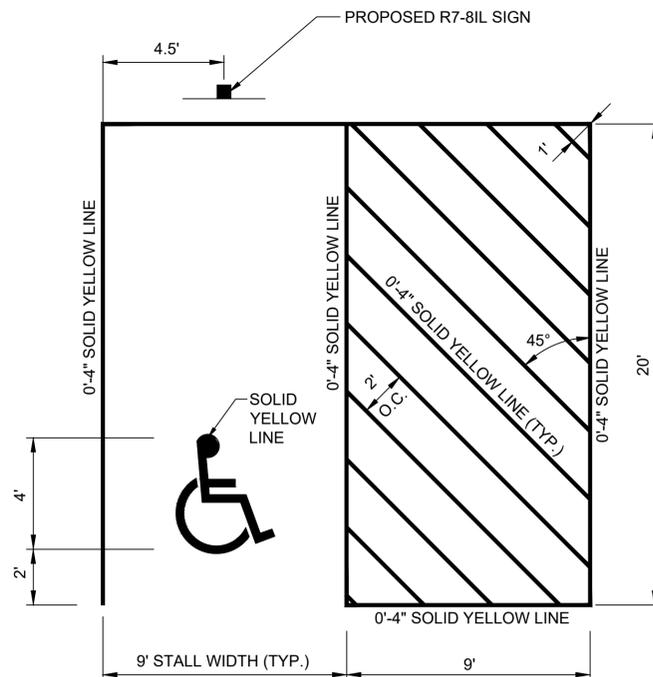


TYPICAL PARKING DETAIL

"NOT TO SCALE"

MARKING NOTES:

1. ALL BLUE, WHITE AND YELLOW PAVEMENT MARKINGS TO INCLUDE REFLECTIVE GLASS SPHERES.
2. ALL MARKINGS TO BE WATERBORNE PAINT.
3. DIMENSIONS GIVEN TO CENTERLINE OF MARKING.

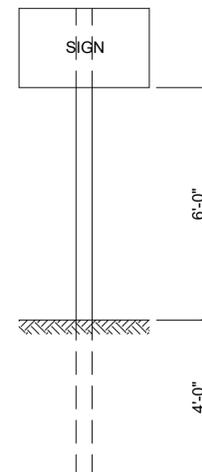


ACCESSIBLE SPACE DETAIL

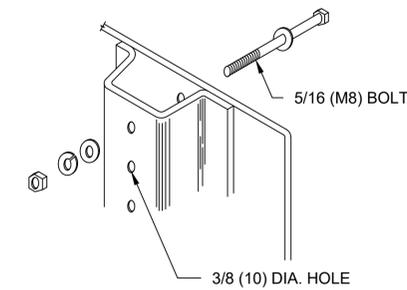


HANDICAP SIGN PANEL

R7-8il



ONE POST INSTALLATION



NOTE: MINIMUM OF 2 BOLTS PER POST REQUIRED

DETAIL OF MOUNTING SIGN TO POST

ROADWAY SIGN POST

(IDOT STANDARD 720011, 720006, & 729001)

REHABILITATE ENTRANCE ROAD AND PARKING LOT

IDA No: AAA-5147

SBG Project No:
3-17-SBGP-184/TBD

Contract No. LO035

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2024

PROJECT NO: 24A0056

CAD FILE: C-551-MRK.DWG

DESIGN BY: JAP 7/9/2024

DRAWN BY: JAP 7/9/2024

REVIEWED BY: LDH 10/12/2024

SHEET TITLE

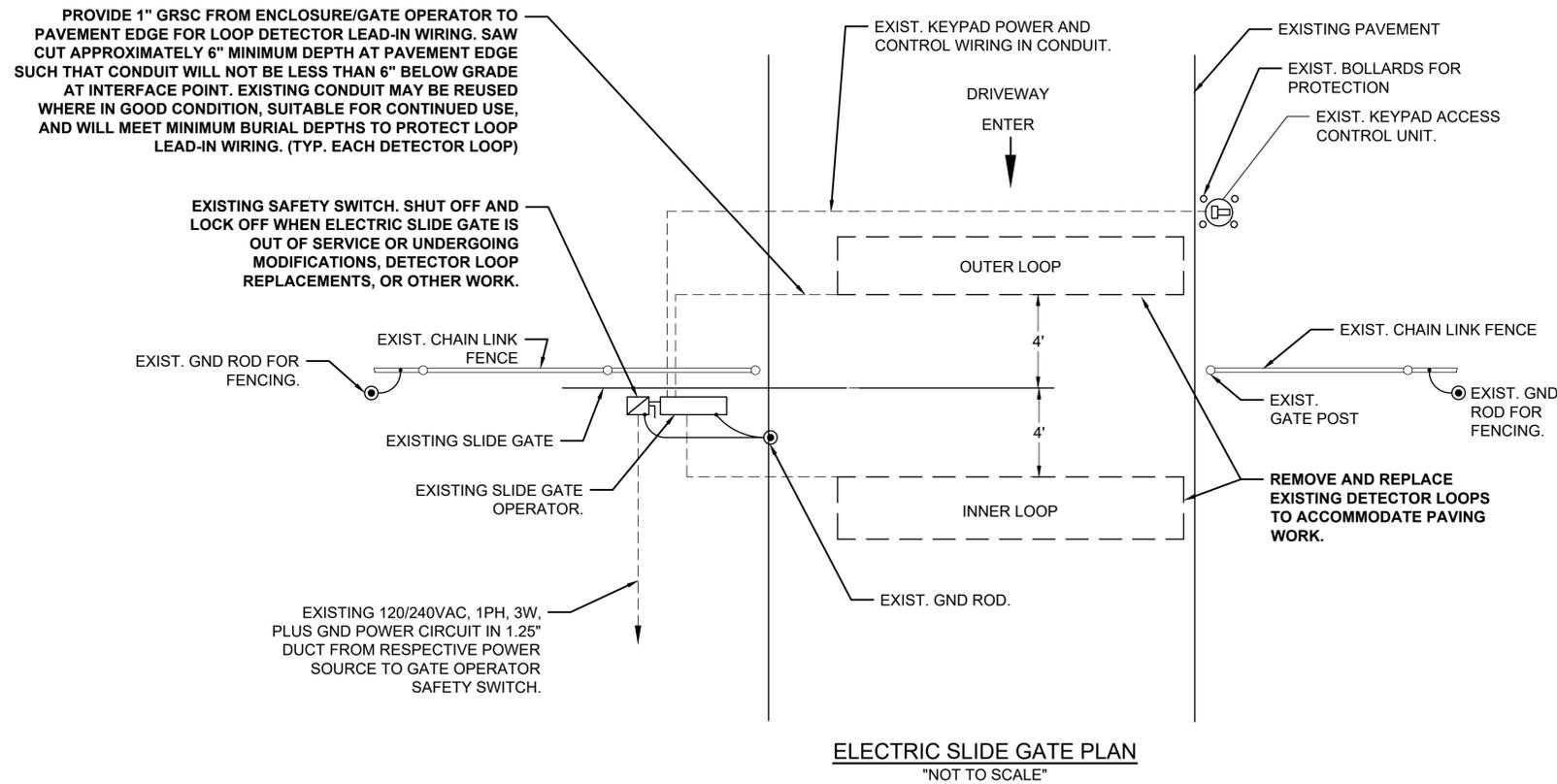
PAVEMENT MARKING DETAILS

LOGAN COUNTY AIRPORT

1351 AIRPORT RD.
LINCOLN, IL 62656

NOTES:

- ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR/MANAGER. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT). WHERE THE FACILITY IS NOT EQUIPPED WITH LOCKOUT/TAGOUT EQUIPMENT THE RESPECTIVE PERSONNEL WILL BE RESPONSIBLE FOR PROVIDING THE APPROPRIATE LOCKOUT/TAGOUT EQUIPMENT. FAILURE TO SHUT DOWN AND LOCKOUT THE CIRCUIT PRESENTS A DANGEROUS HAZARD FOR PERSONNEL WORKING ON THE SYSTEM.
- SEE SPECIAL PROVISION SPECS FOR REQUIREMENTS ON ITEM AR162570 DETECTOR LOOP.
- LOOP DETECTOR WIRING SHALL CONFORM TO IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, (ADOPTED JANUARY 1, 2022) SECTION 1079 "DETECTOR LOOP" AND BE COMPATIBLE WITH THE DETECTOR AMPLIFIERS. INDUCTION LOOPS SHALL BE INSTALLED IN SAW CUT GROOVES CREATED BY THE CONTRACTOR IN THE ROAD SURFACE; SUCH GROOVES OF LENGTH, WIDTH, AND DEPTH AS REQUIRED BY THE MANUFACTURER OF THE LOOP CONTROL EQUIPMENT. LOOP DETECTOR WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE RESPECTIVE GATE OPERATOR AND/OR LOOP DETECTOR MANUFACTURER INSTRUCTIONS. CONTRACTOR SHALL SAW CUT APPROXIMATELY 6" MINIMUM DEPTH AT THE PAVEMENT EDGE SUCH THAT THE CONDUIT FOR THE LOOP DETECTOR LEAD-IN WIRING WILL NOT BE LESS THAN 6" BELOW GRADE AT THE INTERFACE POINT TO THE PAVEMENT. LOOP WIRES SHALL BE HELD IN PLACE IN THE BITUMINOUS/CONCRETE PAVEMENT BY COMPLETELY BACKFILLING AND COVERING SLOT WITH A SEALER RATED SUITABLE FOR THE RESPECTIVE APPLICATION. SEALER SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (ADOPTED JANUARY 1, 2022) SECTION 1079.02 DETECTOR LOOP AND SEALER.
- 1" GRS CONDUIT WILL BE REQUIRED BETWEEN THE SLIDE GATE OPERATOR AND THE DETECTOR LOOPS. THE MINIMUM BURYING DEPTH FOR CONDUIT UNDER PAVEMENT IS 24". ALL METAL CONDUITS ENTERING THE GATE OPERATOR SHALL BE BONDED TO THE GATE OPERATOR FRAME WITH A #8 AWG (MIN.) COPPER BONDING JUMPER. CONFIRM CONTROL WIRING REQUIREMENTS WITH THE RESPECTIVE GATE OPERATOR SALES AND SERVICE REPRESENTATIVE.
- ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 - NATIONAL ELECTRICAL CODE (NEC) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE UL LISTING, INTERTEK TESTING SERVICES VERIFICATION/ETL LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.
- PAYMENT FOR REMOVING AND REPLACING THE VEHICLE DETECTOR LOOPS WILL BE PAID FOR UNDER ITEM AR162570 DETECTOR LOOP PER LUMP SUM.



VEHICLE DETECTOR LOOPS		
GATE SIZE	LOOP SIZE	NO. OF TURNS
8' TO 12'	4' X 6'	3 TURNS
12' TO 16'	4' X 10'	2 TURNS
16' TO 20'	4' X 14'	2 TURNS
20' TO 24'	4' X 18'	2 TURNS
24' TO 30'	6' X 22'	2 TURNS
30' TO 34'	6' X 26'	2 TURNS

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ISSUE: NOVEMBER 22, 2024
PROJECT NO: 24A0056
CAD FILE: E-501-DETL.DWG
DESIGN BY: KNL 8/30/2024
DRAWN BY: CWS 9/9/2024
REVIEWED BY: KNL 9/15/2024

SHEET TITLE

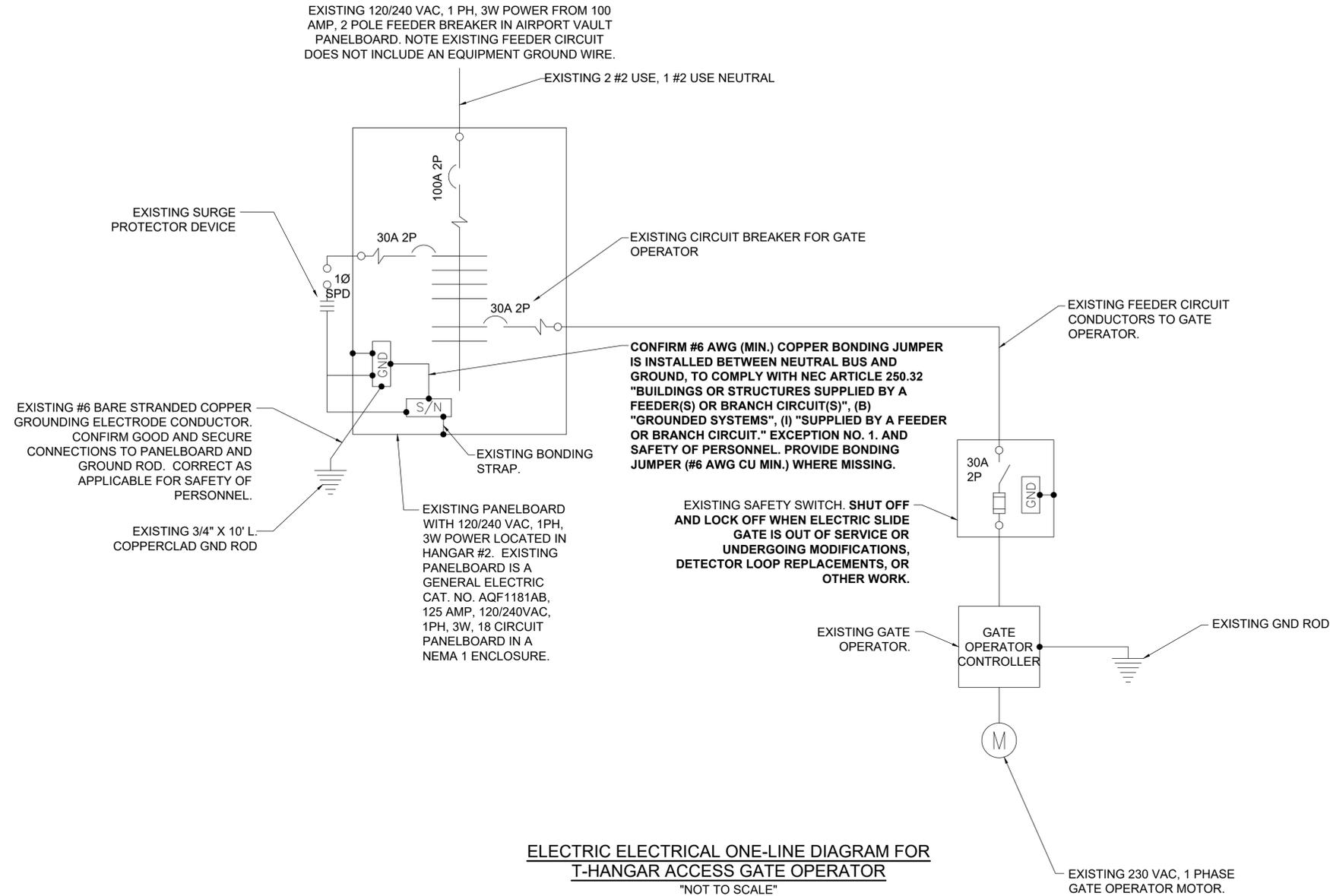
ELECTRIC SLIDE GATE LOOP DETECTOR

LOGAN COUNTY AIRPORT

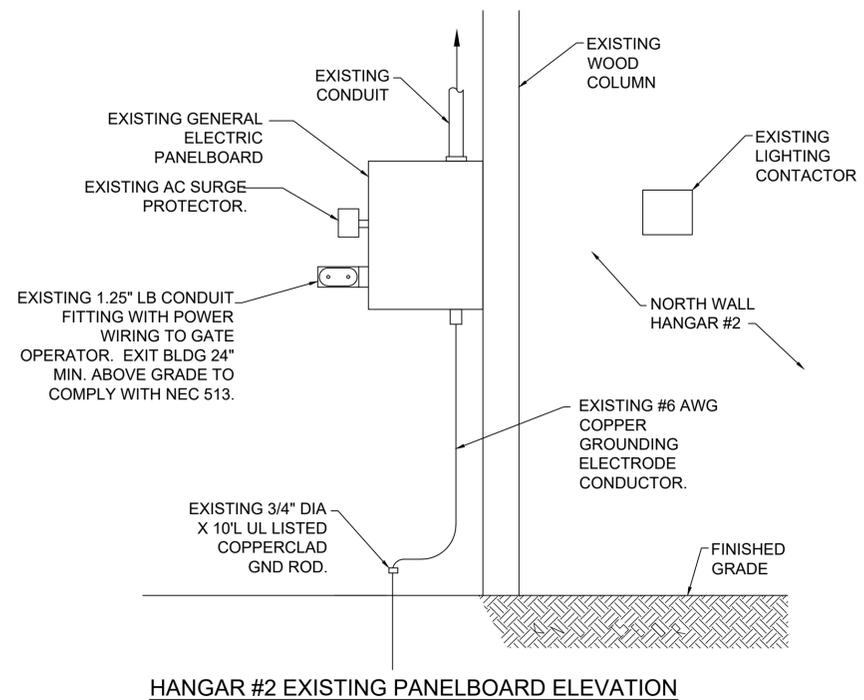
1351 AIRPORT RD.
LINCOLN, IL 62656

NOTES

- ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR/MANAGER. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
- CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS. CONTRACTOR SHALL FIELD VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING, DISCONNECTING, RELOCATING, ADJUSTING, WORKING ON, INSTALLING, OR CONNECTING THE RESPECTIVE EQUIPMENT, MATERIALS, OR OTHER DEVICE.
- ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 - NATIONAL ELECTRIC CODE (NEC) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, INTERTEK TESTING SERVICES VERIFICATION/ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.
- CONTRACTOR SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE NFPA 70E - STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE.
- TEST EXISTING GATE OPERATOR SYSTEM IN PRESENCE OF AIRPORT MANAGER AND/OR RESIDENT ENGINEER/TECHNICIAN TO CONFIRM PROPER OPERATION PRIOR TO REMOVAL, MODIFICATIONS AND WORK AFFECTING THE ELECTRIC SLIDE GATE INSTALLATION. TEST GATE OPERATOR SYSTEM AGAIN AFTER DETECTOR LOOP REPLACEMENTS. COORDINATE WORK WITH AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. RECORD TEST RESULTS AND PROVIDE COPIES TO ENGINEER OF RECORD AND RESIDENT ENGINEER/TECHNICIAN.
- EXISTING SAFETY/DETECTOR LOOPS FOR THE T-HANGAR ACCESS AND AUTO PARKING LOT GATE SHALL BE REMOVED AND REPLACED WITH NEW DETECTOR LOOPS TO ACCOMMODATE THE ASSOCIATED PAVING WORK. REPLACEMENT OF DETECTOR LOOPS WILL BE PAID FOR UNDER ITEM AR162570 DETECTOR LOOP PER LUMP SUM.



ELECTRIC ELECTRICAL ONE-LINE DIAGRAM FOR T-HANGAR ACCESS GATE OPERATOR
"NOT TO SCALE"



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SHEET TITLE

EXISTING ELECTRICAL ONE-LINE DIAGRAM T-HGR ACCESS GATE OPERATOR