CONSTRUCTION PLANS

RECONSTRUCT AUTO PARKING LOT AND AIRCRAFT HANGAR ACCESS PAVEMENTS

AIRPORT AUTHORITY OF FLORA FLORA MUNICIPAL AIRPORT (FOA) FLORA, CLAY COUNTY, ILLINOIS

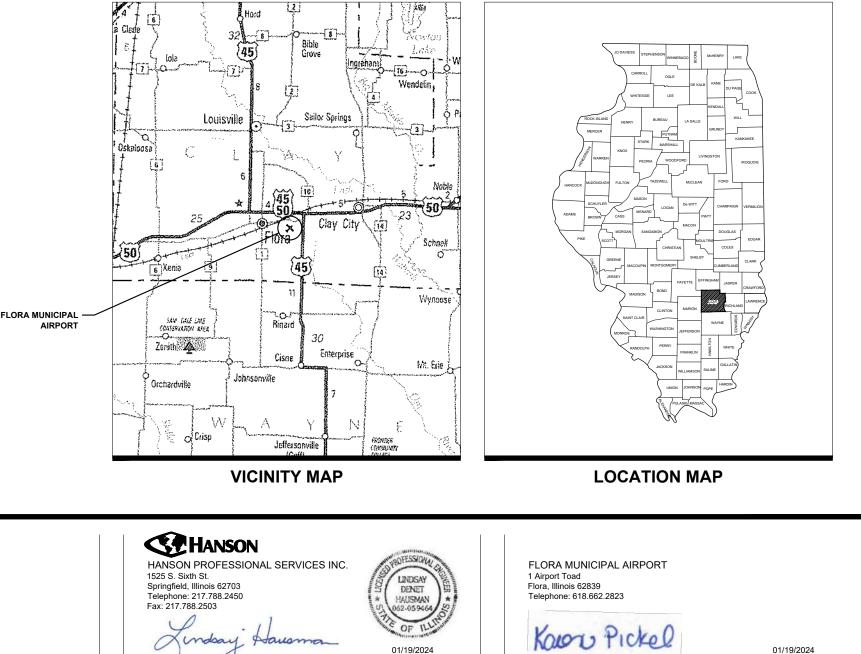
IDA PROJECT NO. FOA-4986

100% SUBMITTAL JANUARY 19, 2024

NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

No.	Issue/Description	Sheets Changed	Date	By



Karen Pickel Airport Manage

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Lindsay D Hausman, P.E. Lic. Exp. 11/30/2025 Project/Manager	Date

FL035 **TOTAL SHEETS = 17**

Date

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SUMMARY OF QUANTITIES - BASE BID						
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY		
AR108962	REPLACE CABLE	FOOT	105			
AR110117	1 1/2" PVC DUCT, DIRECT BURY	FOOT	100			
AR150510	ENGINEER'S FIELD OFFICE	L SUM	1			
AR150520	MOBILIZATION	L SUM	1			
AR209604	CRUSHED AGG. BASE COURSE-4"	SQ YD	66			
AR401900	REMOVE BITUMINOUS PAVEMENT	SQ YD	1,760			
AR501506	6" PCC PAVEMENT	SQ YD	27			
AR501605	5" PCC SIDEWALK	SQ FT	349			
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	532			
AR701900	REMOVE PIPE	FOOT	38			
AR705944	ADJUST UNDERDRAIN CLEANOUT	EACH	3			
AR751001	TRENCH DRAIN	FOOT	16			
AR760810	WATER METER	EACH	1			
AR800925	HDPE PIPE CULVERT	FOOT	50			
AR901510	SEEDING	ACRE	0.10			
AR905530	TOPSOILING	SQ YD	385			
AR908510	MULCHING	ACRE	0.10			
AR910230	HANDICAP SIGN	EACH	2			
AR910410	PARKING BLOCK	EACH	8			
AR910415	REMOVE PARKING BLOCK	EACH	7			
AR910420	BOLLARD	EACH	2			
AR910425	REMOVE BOLLARD	EACH	3			

SUMMARY OF QUANTITIES - ALTERNATE A							
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY			
AS152410	UNCLASSIFIED EXCAVATION	CU YD	756				
AS209608	CRUSHED AGGREGATE BASE COURSE-8"	SQ YD	2,680				
AS401613	BIT. SURF. CSEMETHOD I, SUPERPAVE	TON	325.0				
AS403613	BIT. BASE COURSE-METHOD I SUPERPAVE	TON	485.0				
AS602510	BITUMINOUS PRIME COAT	GALLON	805				
AS603510	BITUMINOUS TACK COAT	GALLON	270				

SUMMARY OF QUANTITIES - ALTERNATE B								
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY				
AT152410	UNCLASSIFIED EXCAVATION	CU YD	533					
AT209604	CRUSHED AGGREGATE BASE COURSE-4"	SQ YD	2,693					
AT501506	6" PCC PAVEMENT	SQ YD	2,693					

GENERAL NOTES

- THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
- REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN, IF APPROVED BY THE ENGINEER.
- 3. ACCESS TO THE SITE SHALL BE RESTRICTED EXCLUSIVELY TO THE DESIGNATED CONSTRUCTION ENTRANCE, STAGING AREA, AND HAUL ROUTE. NO EQUIPMENT OR PERSONNEL SHALL BE PERMITTED OUTSIDE THE GENERAL PROJECT AREA
- AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
- 5. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
- 6. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
- 8. THE CONTRACTOR SHALL PROVIDE ONE SET OF PRELIMINARY REDLINED RECORD DRAWINGS TO THE RESIDENT ENGINEER AT THE COMPLETION OF THE PROJECT FOR INCORPORATION INTO THE OFFICIAL RECORD DRAWINGS HE WILL PREPARE
- 9. APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER AUTHORITIES FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES
- 10. THE CONTRACTOR SHALL PROVIDE ALL LAYOUT NEEDS, BOTH VERTICALLY AND HORIZONTALLY.
- 11. ALL REQUESTS FOR INFORMATION SHALL BE PROVIDED IN WRITING AND ALL DIRECTIVES SHALL BE RECEIVED IN WRITING
- 12. CHANGES TO THE PROJECT SHALL NOT BE INCORPORATED INTO THE PROJECT UNTIL EXPRESSLY APPROVED BY THE ENGINEER
- 13. NPDES PERMIT THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE, THEREFORE A NPDES PERMIT IS NOT REQUIRED.
- 14. MATERIAL CERTIFICATIONS MATERIALS CANNOT BE INSTALLED UNTIL ALL THE MATERIAL CERTIFICATIONS FOR WITHOUT APPROVAL ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- 15. CERTIFIED PAYROLLS PAY APPLICATIONS CANNOT BE PROCESSED FOR PAYMENT UNTIL ALL CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.

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 WHATEVER 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	CLAY
CITY	FLORA
TOWNSHIP	STANFORD
SECTION NO.	29
ADDRESS	FLORA MUNICIPAL AIRPORT
	1 AIRPORT ROAD
	FLORA, ILLINOIS 62839

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY
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AR910425	REMOVE BOLLARD	EACH	3	

2. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM

4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND KEEP CLEAN OF DEBRIS ALL EXISTING

CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY

THAT ITEM HAVE BEEN RECEIVED. REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER. MATERIALS INSTALLED



Offices Nationwide www.hanson-inc.com

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Illinois Licensed Professional Service Corporation #184-001084

FLORA MUNICIPAL AIRPORT

1 AIRPORT ROAD FLORA, ILLINOIS 62839



LICENSE SIGNED: 1/19/2024 EXPIRES: 11/30/2025

RECONSTRUCT AUTO PARKING LOT AND AIRCRAFT HANGAR ACCESS PAVEMENT

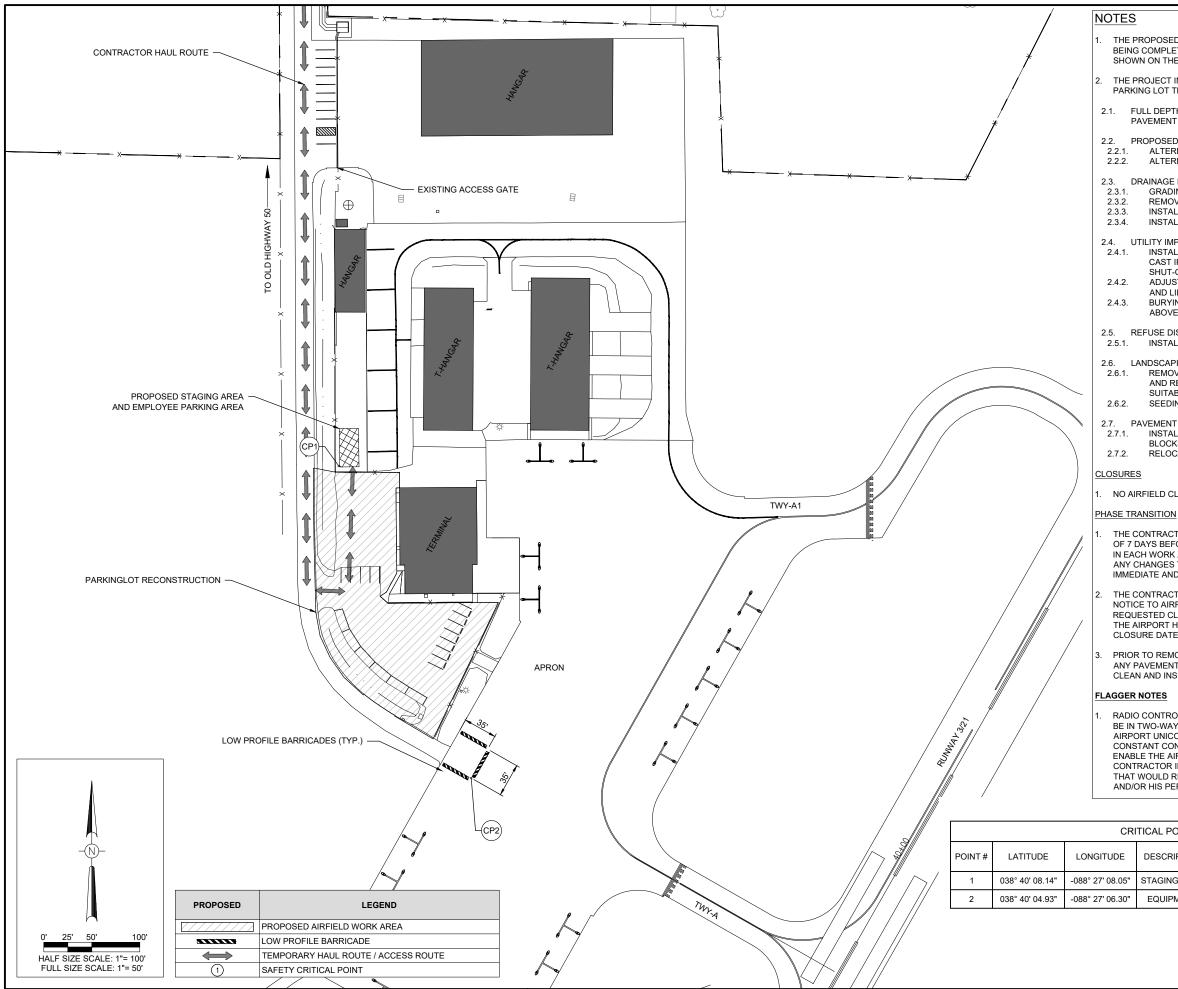
IDA No: FOA-4986

NO.	DATE	DES	CRIPT	ION
NO.	DATE	DES	DWN	REV
ISSUE:	JANUAF	RY 19,	2024	
PROJECT NO: 22A0007D				
CAD FIL	E: G-002-S	Q.DWG		

DESIGN BY: M.ID 7/28/2023 DRAWN BY: CWS 7/28/2023 REVIEWED BY: LDH 1/19/2024

SHEET TITLE

SUMMARY OF QUANTITIES AND INDEX OF SHEETS



- THE PROPOSED SAFETY PLAN WILL GOVERN WHEN WORK IS BEING COMPLETED IN THE SHADED/HATCHED REGION (S) SHOWN ON THE PLANS.
- THE PROJECT INCLUDES RECONSTRUCTING THE EXISTING PARKING LOT THAT CONSISTS OF:
- 2.1. FULL DEPTH REMOVAL OF EXISTING ASPHALT PAVEMENT AND AGGREGATE.
 - PROPOSED PAVEMENT ALTERNATE A - BITUMINOUS PAVEMENT ALTERNATE B - PCC PAVEMENT
 - DRAINAGE IMPROVEMENTS GRADING REMOVING A 16-INCH CMP CULVERT INSTALLING A HDPE CULVERT INSTALLING A TRENCH DRAIN
- 2.4. UTILITY IMPROVEMENTS 2.4.1. INSTALLING A NEW "WATER METER" BASIN AND CAST IRON SOLID LIDS FOR TWO WATER SHUT-OFFS. ADJUSTING CLEANOUTS AND INSTALLING FRAMES AND LIDS BURYING CONDUIT THAT IS CURRENTLY EXPOSED ABOVE GRADE.
- 2.5. REFUSE DISPOSAL AREA / DUMPSTER PAD 2.5.1. INSTALLING PCC PAD AND BOLLARDS
 - LANDSCAPING ITEMS REMOVING AGGREGATE AND UNSUITABLE TOPSOIL AND REPLACING WITH ON-SITE AND OFF-SITE SUITABLE MATERIAL. SEEDING AND MULCHING
 - **PAVEMENT MARKING & MISCELLANEOUS** INSTALLING HANDICAP SIGNS AND PARKING BLOCKS RELOCATING MAILBOX (INCIDENTAL)

. NO AIRFIELD CLOSURES

THE CONTRACTOR WILL CONTACT THE AIRPORT A MINIMUM OF 7 DAYS BEFORE THE DESIRED INITIATION DATE OF WORK IN EACH WORK AREA, AND KEEP THE AIRPORT APPRISED OF ANY CHANGES TO THE PROJECT SCHEDULE, BOTH IMMEDIATE AND OVERALL.

THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 72 HOURS NOTICE TO AIRPORT OPERATIONS PRIOR TO THE REQUESTED CLOSURE OF ANY TAXIWAYS OR RUNWAYS THE AIRPORT HAS FINAL AUTHORITY ON DETERMINING CLOSURE DATES AND TIMES OF AIRFIELD PAVEMENTS.

PRIOR TO REMOVING ANY BARRICADES AND REOPENING ANY PAVEMENTS, THE CONTRACTOR SHALL THOROUGHLY CLEAN AND INSPECT THE AREA.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.70 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE FLORA AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

RI	RITICAL POINTS							
	DESCRIPTION	ELEV	OBJECT HEIGHT (FT)	OBJECT ELEV				
•	STAGING AREA	471.1	25	496.1				
	EQUIPMENT	467.8	25	492.6				



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ISSUE:	JANUAF	RY 19,	2024	
PROJEC	CT NO: 2	2A000	7D	
CAD FIL	E: G-003-S	FY.DWG		
DESIGN	BY: MJ	D 7/2	8/2023	
DRAWN	BY: CW	S 7/28	8/2023	

REVIEWED BY: LDH 1/19/2024

SHEET TITLE

CONSTRUCTION SAFETY PHASING PLAN

SAFETY NOTES

- 1 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 CHANGE TO THE CONSTRUCTION PHASING AND SAFETY PLAN MUST BE APPROVED BY THE FAA.
- 2. 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 3 POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE AIRFIELD PAVEMENT AREA WITHOUT AN APPROPRIATE ESCORT. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 62' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON.
- 5. 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 PRECONSTRUCTION CONFERENCE.
- 6 ALL CONSTRUCTION FOUIPMENT 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 500' OF ANY ACTIVE RUNWAY, WITHIN 62' 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
- 8. 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 ELASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS
- 10. NO CONSTRUCTION EQUIPMENT GREATER THAN 25' 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.
- 11. 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.
- 12. 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 SWEPT, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER
- 13. CONTRACTOR SHALL TAKE MEASURES TO AVOID TRACKING ASPHALT MATERIALS ONTO ADJACENT PAVEMENT AREAS, UNLESS SUFFICIENT PROTECTION HAS BEEN APPLIED. HEAVY TRACKING OR DAMAGE TO ADJACENT PAVEMENTS MAY BE CAUSE FOR STOPPING THE WORK UNTIL ACCEPTABLE PROTECTION OR CHANGE IN WORK METHODS HAS BEEN PROVIDED
- 14. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING ALL AIRPORT LIGHTING, NAVIGATIONAL ELECTRICAL SYSTEMS, AND ALL WATER, GAS, ELECTRIC, PHONE, AND FIBER OPTIC UTILITIES 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
- 15. ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES

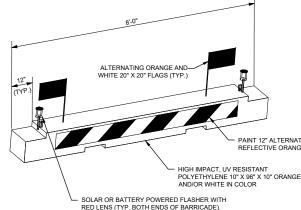
- 16 CONTRACTOR SHALL PLACE SECURE AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- 17. CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- 18. 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
- 19. CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- 20. CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN
- 21. 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
- 22. THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST
- 23. 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.
- 24. UNLESS SPECIFIED OTHERWISE, COST FOR SAFETY, STAGING, AND TRAFFIC MAINTENANCE ITEMS IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE
- 25 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"
- 26. ALL RUNWAY/TAXIWAY 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.
- 27. RUNWAY/TAXIWAY CLOSURE PROCEDURES:
 - CONTACT THE AIRPORT MANAGEMENT OR ASSIGNED REPRESENTATIVE A MINIMUM OF 7 DAYS BEFORE THE DESIRED CLOSING TIME.
 - ISSUANCE OF NOTAM AND DEACTIVATION OF THE APPLICABLE AIRFIELD LIGHTING AND NAVAIDS BY THE AIRPORT MANAGEMENT AND/OR FAA
 - PLACEMENT OF CROSSES AND BARRICADES
 - ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS BEGIN WITHIN THE RUNWAY/TAXIWAY AIR OPERATIONS AREA

RUNWAY/TAXIWAY RE-OPENING PROCEDURES:

- ENSURE ALL PERSONNEL, EQUIPMENT AND MATERIALS ARE CLEAR OF THE AIR OPERATIONS AREA
- INSPECT THE AREA FOR LOOSE OR TRACKED DEBRIS, PAVEMENT DROP-OFFS, AND OPEN TRENCHES
- CONTACT AIRPORT MANAGEMENT OR REPRESENTATIVE FOR FINAL INSPECTION OF THE AREA

• REMOVE BARRICADES AND CROSSES.

• ACTIVATION OF THE AIRFIELD LIGHTING AND NAVAIDS AND CANCELLATION OF THE NOTAM BY THE AIRPORT MANAGEMENT AND/OR FAA.



LOW PROFILE AIRCRAFT BARRICADE DETAIL

BARRICADE NOTES

- 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
- 2. 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
- 4 BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION
- 5. 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 6 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
- 7. COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING BARRICADES SHALL BE INCLUDED AS AN INCIDENTAL COST TO THE CONTRACT, UNLESS OTHERWISE NOTED

PAINT 12" ALTERNATING STRIPES REFLECTIVE ORANGE AND WHITE

ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE

THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS



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FLORA MUNICIPAL AIRPORT

1 AIRPORT ROAD FLORA, ILLINOIS 62839



LICENSE SIGNED: 1/19/2024 EXPIRES: 11/30/202

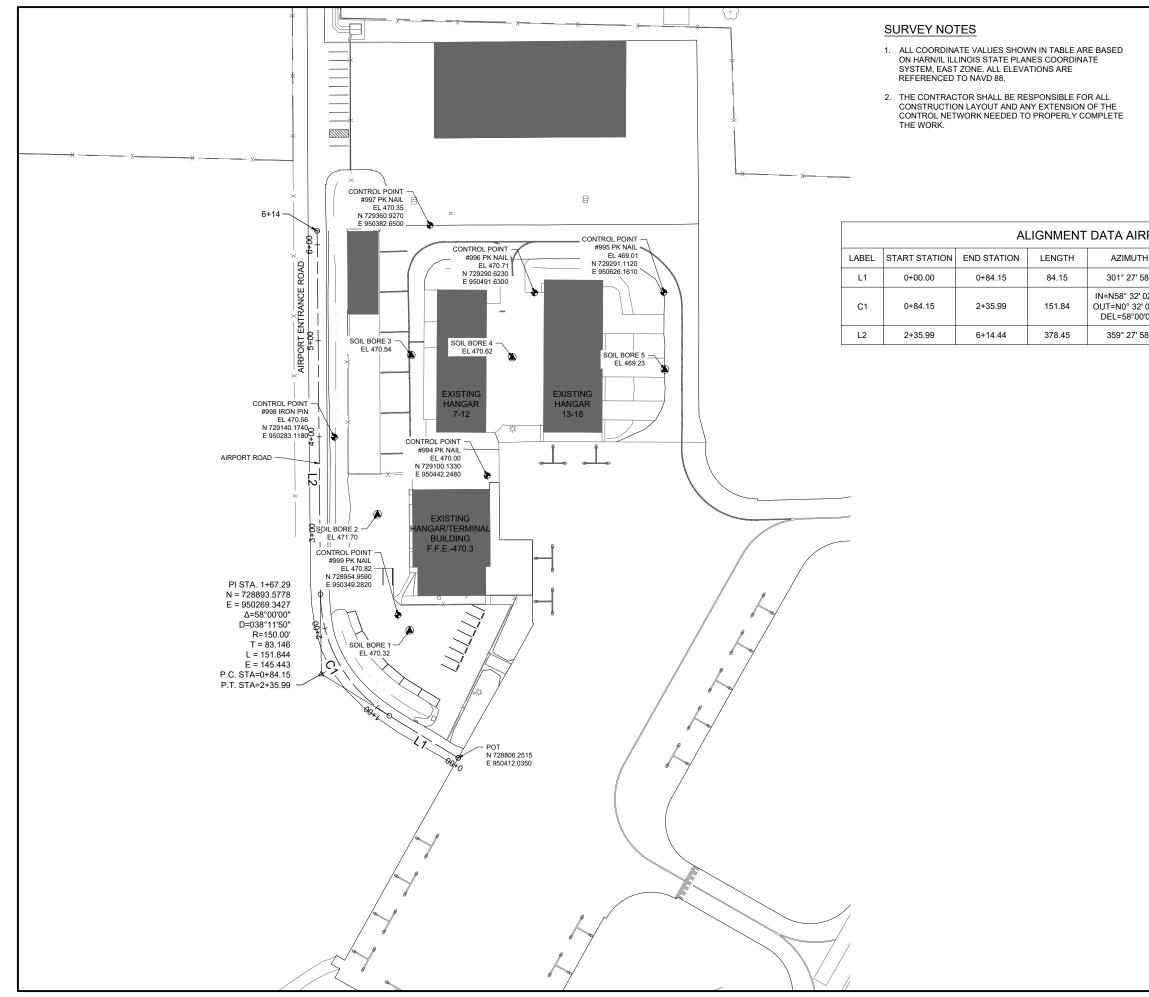
RECONSTRUCT AUTO PARKING LOT AND AIRCRAFT HANGAR ACCESS PAVEMENT

IDA No: FOA-4986

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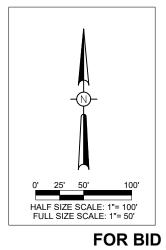
SAFETY NOTES AND DETAILS



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359° 27' 58"	728976.72, 950268.57	729355.15, 950265.04





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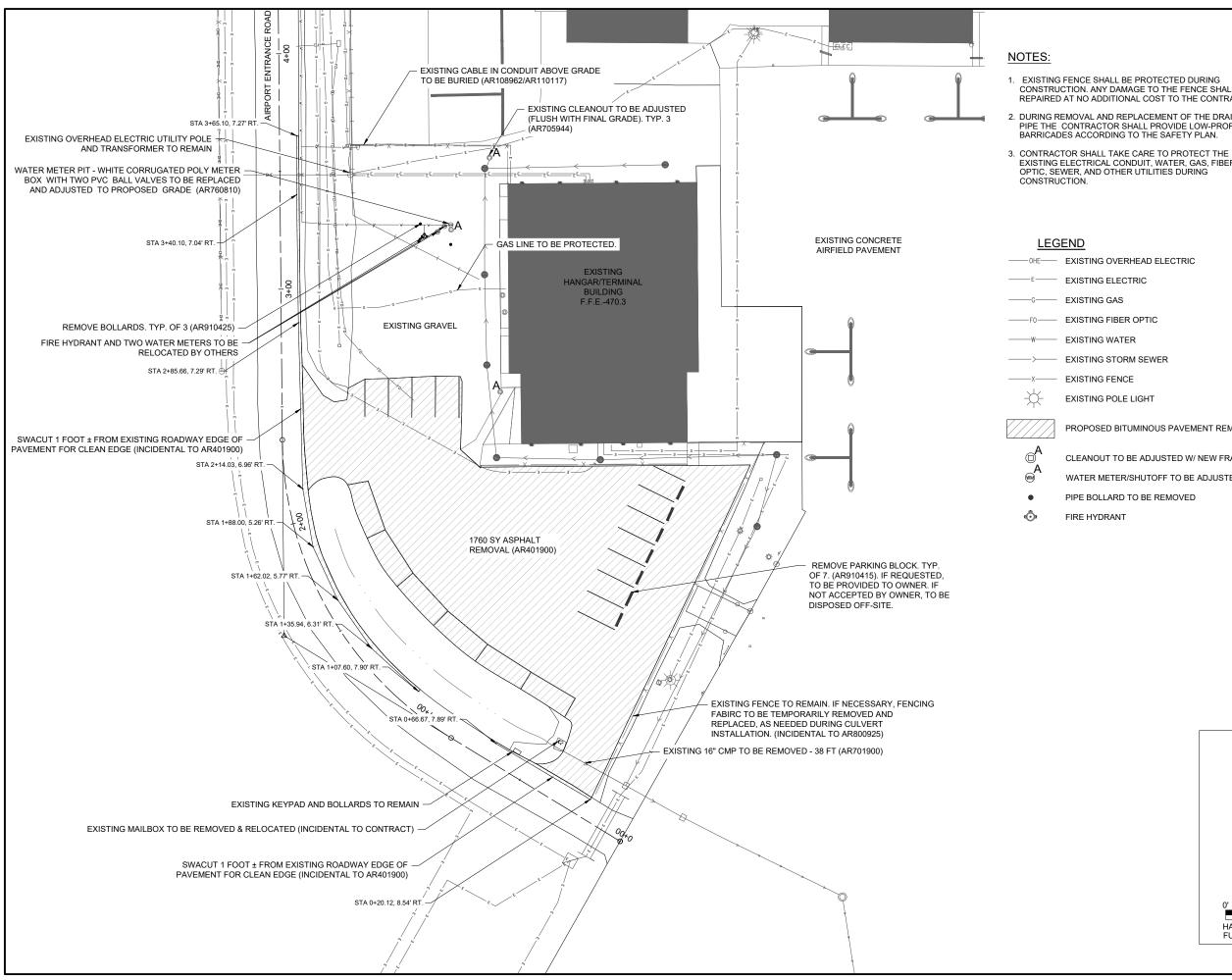
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SHEET TITLE

PROPOSED ALIGNMENT GEOMETRICS PLAN

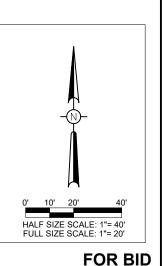


1. EXISTING FENCE SHALL BE PROTECTED DURING CONSTRUCTION, ANY DAMAGE TO THE FENCE SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.

2. DURING REMOVAL AND REPLACEMENT OF THE DRAINAGE PIPE THE CONTRACTOR SHALL PROVIDE LOW-PROFILE BARRICADES ACCORDING TO THE SAFETY PLAN.

EXISTING ELECTRICAL CONDUIT, WATER, GAS, FIBER OPTIC, SEWER, AND OTHER UTILITIES DURING

- PROPOSED BITUMINOUS PAVEMENT REMOVAL
- CLEANOUT TO BE ADJUSTED W/ NEW FRAME AND LID
- WATER METER/SHUTOFF TO BE ADJUSTED
- PIPE BOLLARD TO BE REMOVED





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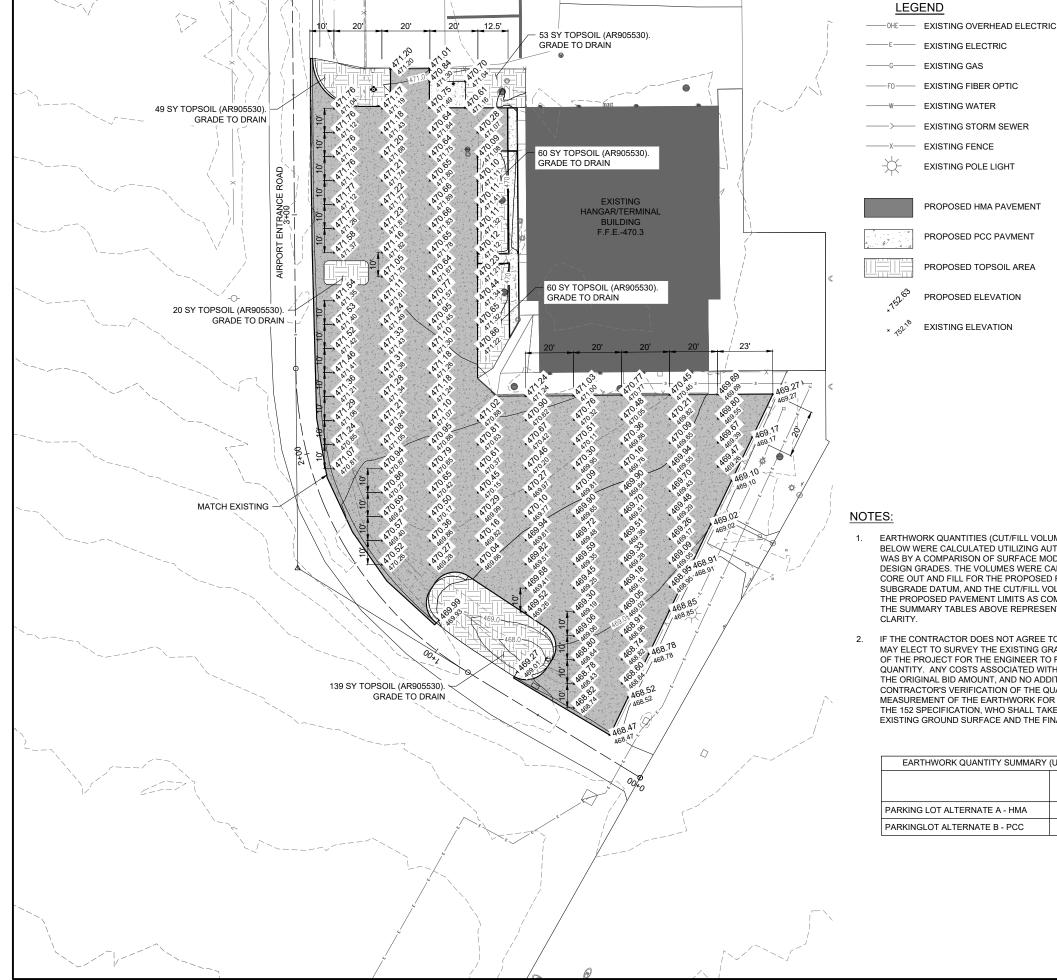
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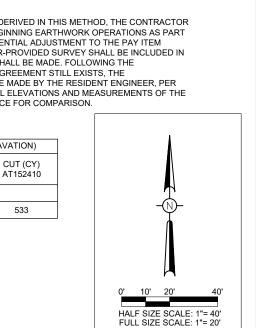
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EXISTING CONDITIONS **DEMOLITION PLAN -**PARKING LOT



- EARTHWORK QUANTITIES (CUT/FILL VOLUMES) FOR THE "EXISTING GROUND VS. PROP. DESIGN" SHOWN BELOW WERE CALCULATED UTILIZING AUTODESK CIVIL3D 2023 SOFTWARE. THE CALCULATION METHOD WAS BY A COMPARISON OF SURFACE MODELS CREATED WITH EXISTING SURVEY DATA AND PROPOSED DESIGN GRADES. THE VOLUMES WERE CALCULATED IN TWO PARTS: THE CUT/FILL VOLUME REQUIRED TO CORE OUT AND FILL FOR THE PROPOSED PAVEMENT SECTION AS COMPARED TO THE EXISTING SUBGRADE DATUM, AND THE CUT/FILL VOLUMES REQUIRED FOR PROPOSED GRADING WORK OUTSIDE OF THE PROPOSED PAVEMENT LIMITS AS COMPARED TO THE EXISTING GROUND SURFACE. THE NUMBERS IN THE SUMMARY TABLES ABOVE REPRESENT A TOTAL OF THESE TWO PARTS ADDED TOGETHER FOR
- IF THE CONTRACTOR DOES NOT AGREE TO THE QUANTITIES DERIVED IN THIS METHOD, THE CONTRACTOR MAY ELECT TO SURVEY THE EXISTING GRADES PRIOR TO BEGINNING EARTHWORK OPERATIONS AS PART OF THE PROJECT FOR THE ENGINEER TO REVIEW FOR A POTENTIAL ADJUSTMENT TO THE PAY ITEM QUANTITY. ANY COSTS ASSOCIATED WITH THE CONTRACTOR-PROVIDED SURVEY SHALL BE INCLUDED IN THE ORIGINAL BID AMOUNT, AND NO ADDITIONAL PAYMENT SHALL BE MADE. FOLLOWING THE CONTRACTOR'S VERIFICATION OF THE QUANTITIES, IF A DISAGREEMENT STILL EXISTS, THE MEASUREMENT OF THE EARTHWORK FOR PAYMENT SHALL BE MADE BY THE RESIDENT ENGINEER, PER THE 152 SPECIFICATION, WHO SHALL TAKE CROSS-SECTIONAL ELEVATIONS AND MEASUREMENTS OF THE EXISTING GROUND SURFACE AND THE FINAL GRADED SURFACE FOR COMPARISON

EARTHWORK QUANTITY SUMMARY (UNCLASSIFIED EXCAV				
CUT (CY) AS152410				
PARKING LOT ALTERNATE A - HMA	756			
PARKINGLOT ALTERNATE B - PCC				



FOR BID

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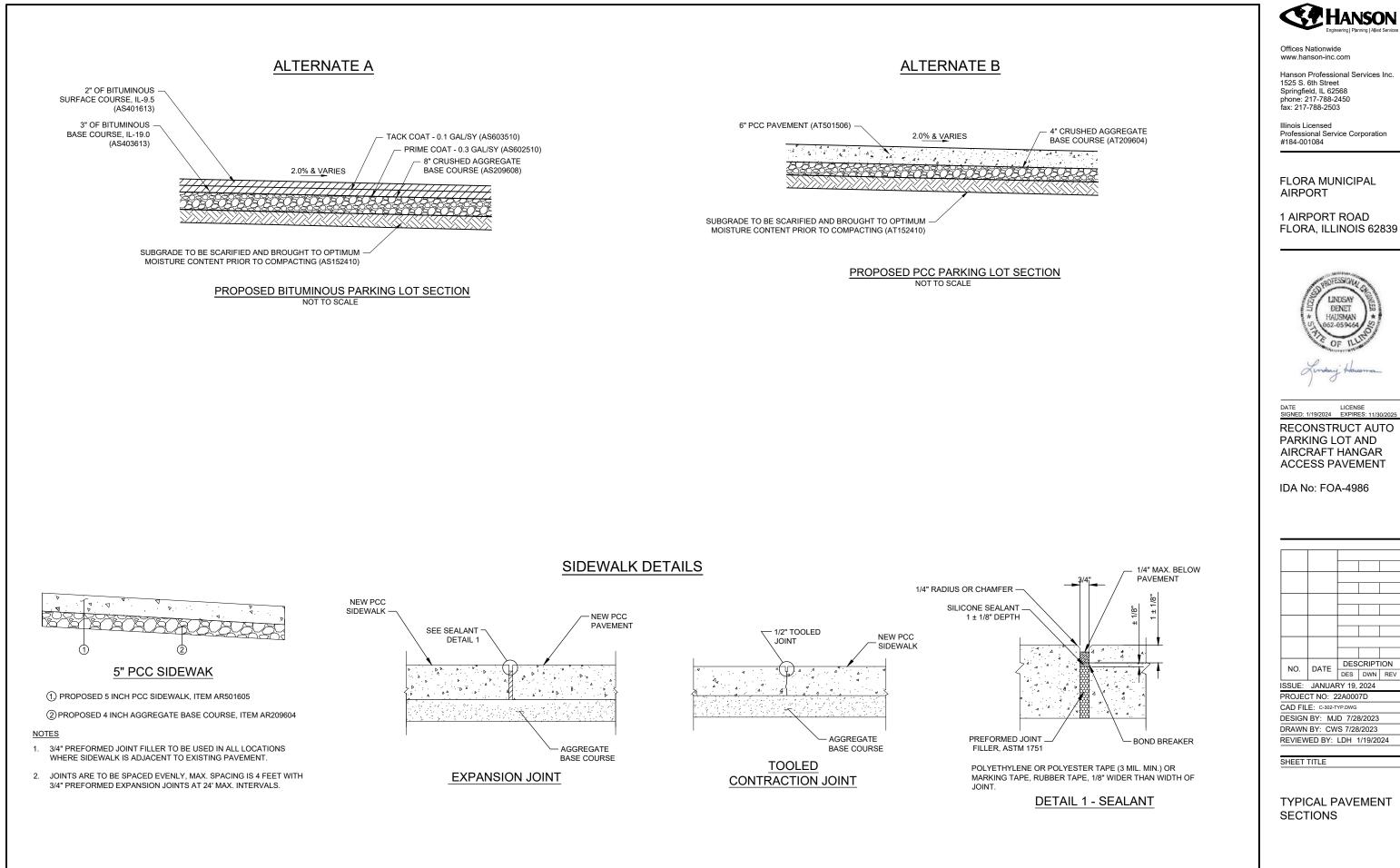
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REVIEWED BY: LDH 1/19/2024

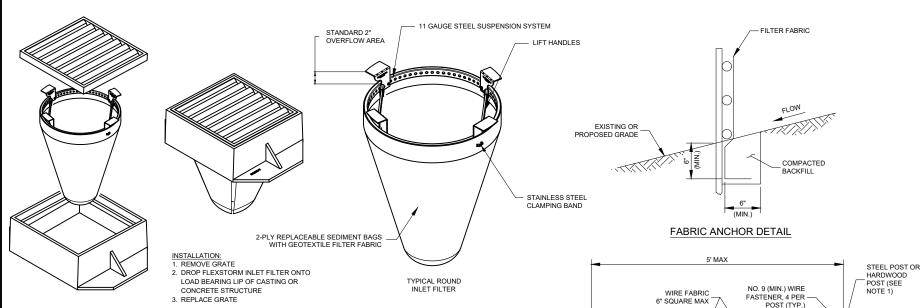
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PROPOSED GRADING PLAN - PARKING LOT





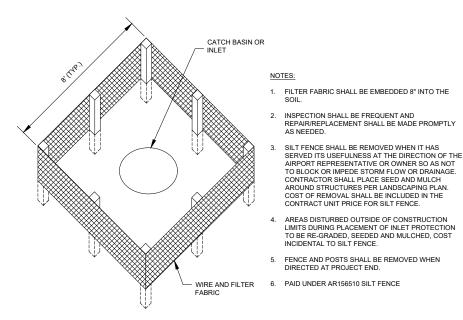
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REVIEW	/ED BY:	LDH ·	1/19/20)24



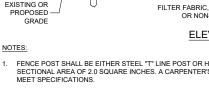
NOTES:

- 1. FILTER FABRIC INLET PROTECTION SHALL CONSIST OF INLET BASKET AND FABRIC INSERT. FLEXSTORM CATCH-IT BY ADVANCED DRAINAGE SYSTEMS, FLOGARD TEMPORARY INLET FILTER BY OLDCASTLE, OR APPROVED EQUAL
- 2. DEVICE SHALL BE EQUIPPED WITH AN OVERFLOW FEATURE SO DRAINAGE TO INLET IS NOT COMPLETELY BLOCKED IF DEVICE IS FULL OF SILT
- 3. INLET BASKET IS AVAILABLE TO FIT ROUND, RECTANGULAR, BEEHIVE OR CURB INLET CASTINGS.
- 4. FILTER FABRIC SHALL HAVE AN APPARENT OPENING SIZE (AOS) OF AT LEAST 70 SIEVE FOR NONWOVEN.
- 5. FILTER FABRIC SHALL HAVE A GRAB TENSILE STRENGTH OF A LEAST 100 LBS FOR NON WOVEN
- POLYESTER OUTER REINFORCEMENT BAG SHALL HAVE FABRIC WITH A WEIGHT OF 4.55 OZ/SQYD +/- 15 PERCENT
- 7. FRAME CONSTRUCTION SHALL HAVE A TENSILE STRENGTH OF AT LEAST 58,000 PSI AND A YIELD STRENGTH OF AT LEAST 36.000 PSI
- 8. MAINTENANCE SHALL BE PERFORMED AS NEEDED. REMOVE SILT FROM FABRIC INSERT WHEN 50% OF CAPACITY IS REACHED REMOVE SILT FROM INTERIOR AND EXTERIOR OF INLET DAM WHEN 50% OF DAM HEIGHT IS REACHED.
- 9. PAYMENT FOR INLET PROTECTION MAINTENANCE SHALL BE INCIDENTAL TO INLET PROTECTION.

INLET PROTECTION AT MANHOLES IN IMPERVIOUS AREAS



SILT FENCE AT MANHOLES IN PERVIOUS AREAS



- TOP AND BOTTOM WIRE OF WIRE FABRIC SHALL BE MINIMUM GAGE NO. 9. INTERMEDIATE 2. WIRES OF THE WIRE FABRIC SHALL BE MINIMUM GAGE NO. 11.
- WIRE FABRIC SHALL BE SECURELY FASTENED TO FENCE POSTS WITH NO. 9 GAGE WIRE MINIMUM. FOUR (4) FASTENERS PER POST REQUIRED.
- FILTER FABRIC SHALL BE SECURELY FASTENED TO WIRE FABRIC AND POSTS WITH TIES OR STAPLES SPACED AT 12" APART AT THE TOP, MIDDLE AND BOTTOM.
- 5. WHEN TWO SECTIONS OF FILTER FABRIC MEET, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED AND ATTACHED TO THE WIRE FABRIC AT A POST.
- FILTER FABRIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS WITH APPARENT 6. OPENING SIZE (AOS) OF AT LEAST 40 FOR NONWOVEN AND WOVEN. THE FABRIC MUST MEET THE APPLICABLE STANDARDS OF AASHTO 288-00 (Article IV, Section B.1.j.1.f.i, AS AMENDED), OR EQUIVALENT.
- A MAXIMUM OF 5 FEET IS USED FOR POST-TO-POST SPACING.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR. SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL 9 BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE
- 10. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
- 11. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED AND REPLACED WHEN BULGES DEVELOP IN THE SILT FENCE.
- 12. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- 13. FENCE POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END
- 14. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

SEDIMENTATION AND EROSION CONTROL NOTES:

- UPLAND AREAS.
- DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM: UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND
- EQUIVALENT PRECIPITATION
- AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-01 UNDERLAIN WITH FILTER FABRIC AND IN D. CONTROLLED SEDIMENT DISPOSAL AREA.
- Ε. DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- OFFICER
- BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL
- J. SEDIMENT CONTROL MEASURE.
- SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- ROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR
- ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

STORM WATER POLLUTION PREVENTION NOTES

THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE CONTRACT DOCUMENTS TO ASSURE THAT STORM WATER POLLUTION PREVENTION ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. SEDIMENTATION MUST NOT BE TRANSPORTED OFF THE CONSTRUCTION SITE. PERMANENT DRAINAGE FEATURES AND VEGETATIVE MEASURES SHALL BE PROVIDED AS SOON AS POSSIBLE.

THE MAINTENANCE OF ALL STORM WATER POLLUTION PREVENTION MEASURES IS INCIDENTAL TO THE ASSOCIATED ITEM.

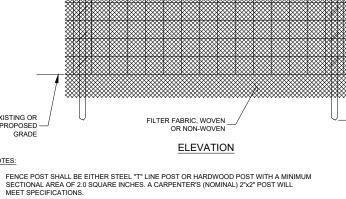
POLLUTION PREVENTION MEASURES

THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHEREVER POSSIBLE AND AS SOON AS CONSTRUCTION PERMITS IN OTHER AREAS. POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THESE CONSTRUCTION PLANS, AND WITH STANDARDS AND SPECIFICATIONS FOR SOLL EROSION AND SEMIMENT CONTROL, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, CURRENT ISSUE THE CONTRACTOR SHALL ADJUST HIS OPERATIONS AND IMPLEMENT POLITION CONTROL MEASURES SO THAT NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE CONSTRUCTION SITE OTHER THAN THROUGH SEDIMENT TRAPS OR OTHER SUITABLE CONTROL MEASURES.

POLLUTION CONTROL ITEMS SHALL BE PROVIDED AS NOTED ON THE STORM WATER POLLUTION PREVENTION PLAN AND IN THE STORM WATER POLLUTION PREVENTION DETAILS AND AS DIRECTED BY THE ENGINEER. THE LIMITS OF SUCH MEASURES SHALL BE STAKED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH LIMITS MAY BE ADJUSTED BY THE ENGINEER TO ACCOUNT FOR ACTUAL SITE CONDITIONS EXPERIENCED DURING CONSTRUCTION. ADDITIONAL COMPENSATION FOR MEASURES EXCEEDING THE PLAN QUANTITIES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR

THE CONTRACTOR IS TO MAINTAIN AND ADJUST. REPAIR OR REPLACE ALL POLLUTION PREVENTION MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. MAINTENANCE OF POLLUTION CONTROL MEASURES IS TO BE PROVIDED AT NO ADDITIONAL COST TO THE CONTRACT.

ADDITIONAL STORMWATER POLLUTION PREVENTION MEASURES ARE EXISTING ON SITE LOCATED AT DRAINAGE FACILITIES AND ALONG THE PROPERTY LINE.



A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF

B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND

DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID

C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION

ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A

TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT

APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES

STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE

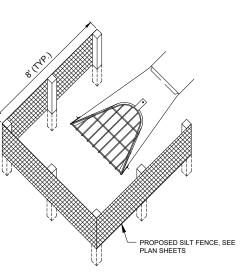
IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE

ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS

0. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.



SILT FENCE PLACEMENT AT FLARED END SECTIONS (FES)

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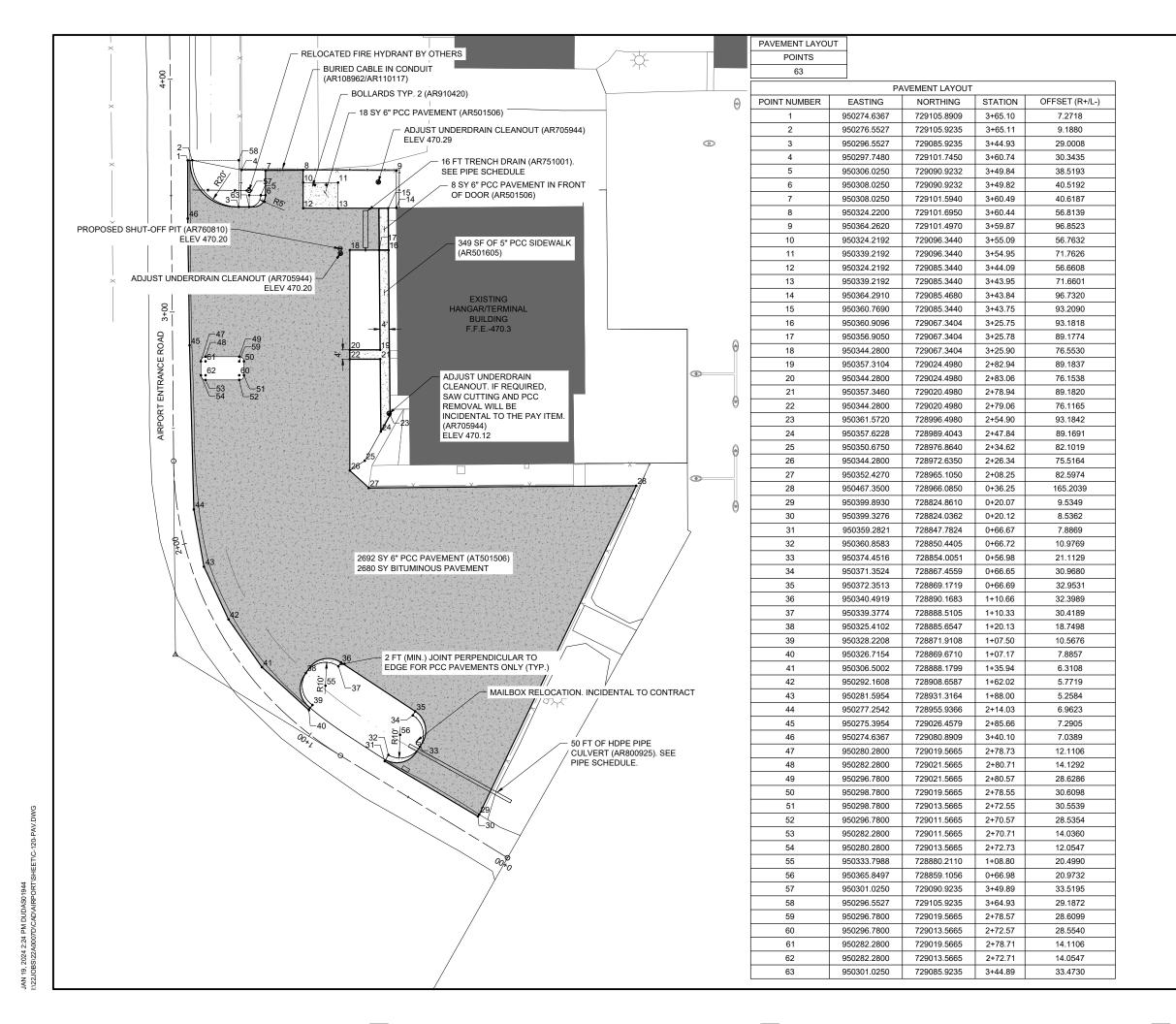
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STORM WATER POLLUTION PREVENTION PLAN DETAILS

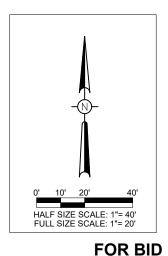


LEGEND

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	EXISTING OVERHEAD ELECTRIC				
——————————————————————————————————————	EXISTING ELECTRIC				
G	EXISTING GAS				
——F0——	EXISTING FIBER OPTIC				
W	EXISTING WATER				
\longrightarrow	EXISTING STORM SEWER				
Х	EXISTING FENCE				
÷	EXISTING POLE LIGHT				
	PROPOSED HMA PAVEMENT				
	PROPOSED PCC PAVMENT				
\square	CLEANOUT TO BE ADJUSTED				

FIRE HYDRANT





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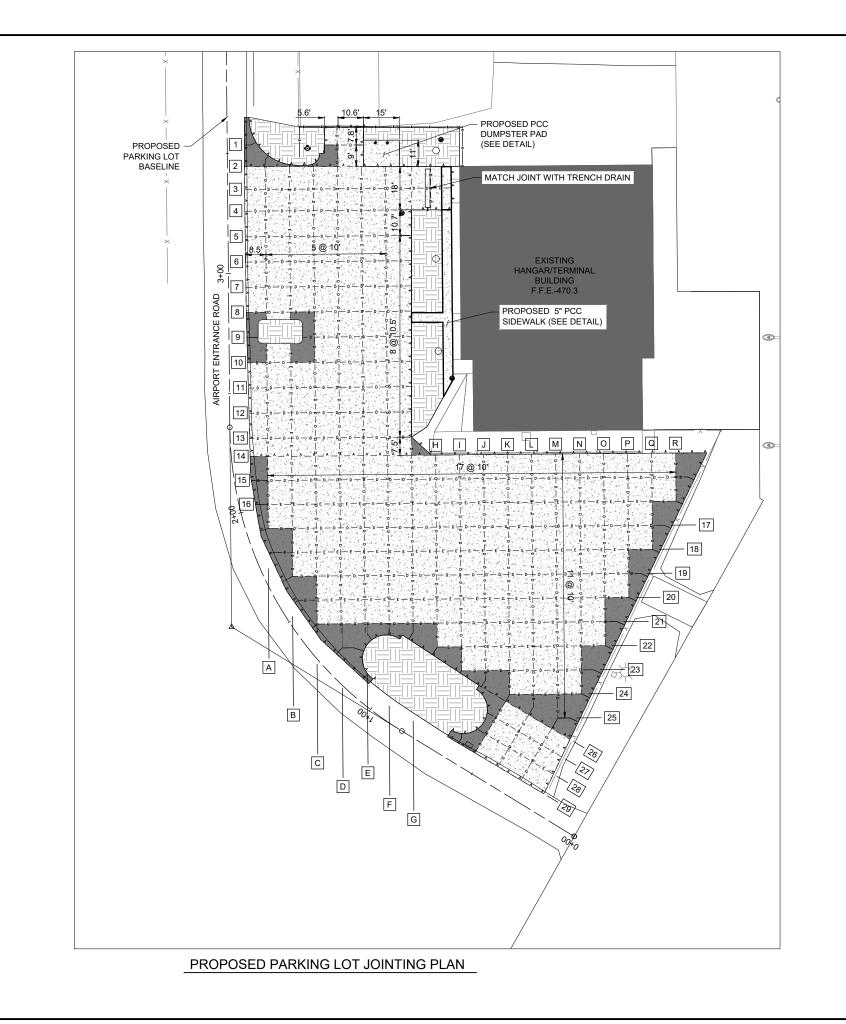
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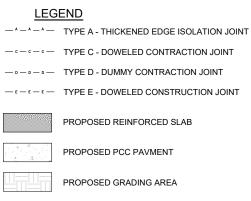
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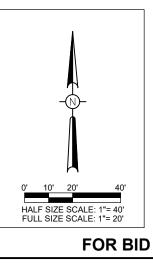
PROPOSED CONSTRUCTION PLAN - PARKING LOT





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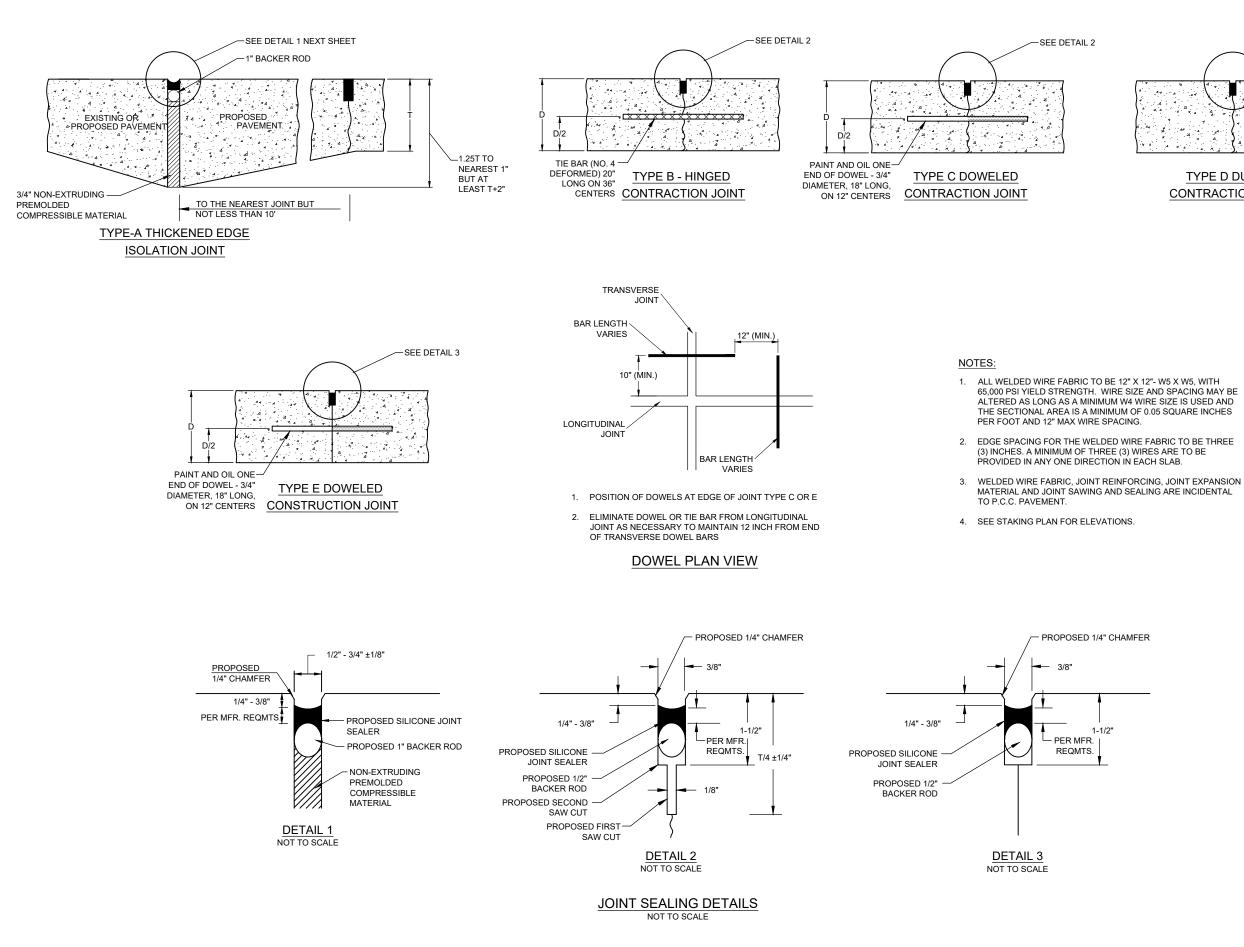
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SHEET TITLE

PROPOSED PCC JOINTING PLAN



2024 AN

SEE DETAIL 2
TYPE D DUMMY CONTRACTION JOINT



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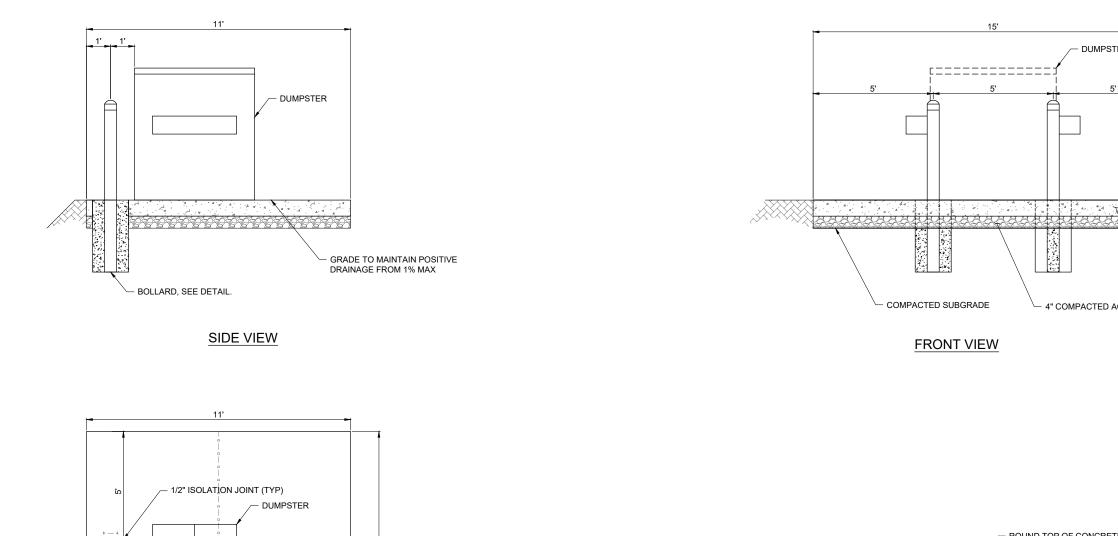
RECONSTRUCT AUTO PARKING LOT AND AIRCRAFT HANGAR ACCESS PAVEMENT

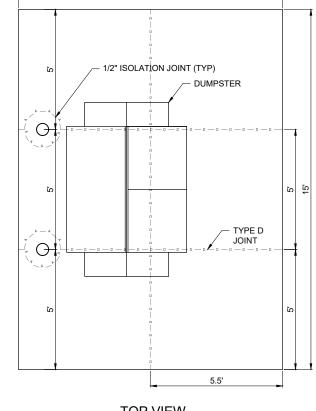
IDA No: FOA-4986

NO.	DATE	DESCRIPTION			
		DES	DWN	REV	
ISSUE:	JANUA	RY 19,	2024		
PROJE	CT NO: 2	2A000	7D		
CAD FI	CAD FILE: C-561-JNT.DWG				
DESIGN BY: MJD 7/28/2023					
DRAWN BY: CWS 7/28/2023					
REVIEW	VED BY:	LDH ⁻	1/19/20)24	

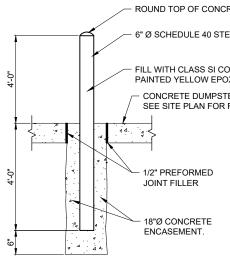
SHEET TITLE

PROPOSED JOINT DETAILS







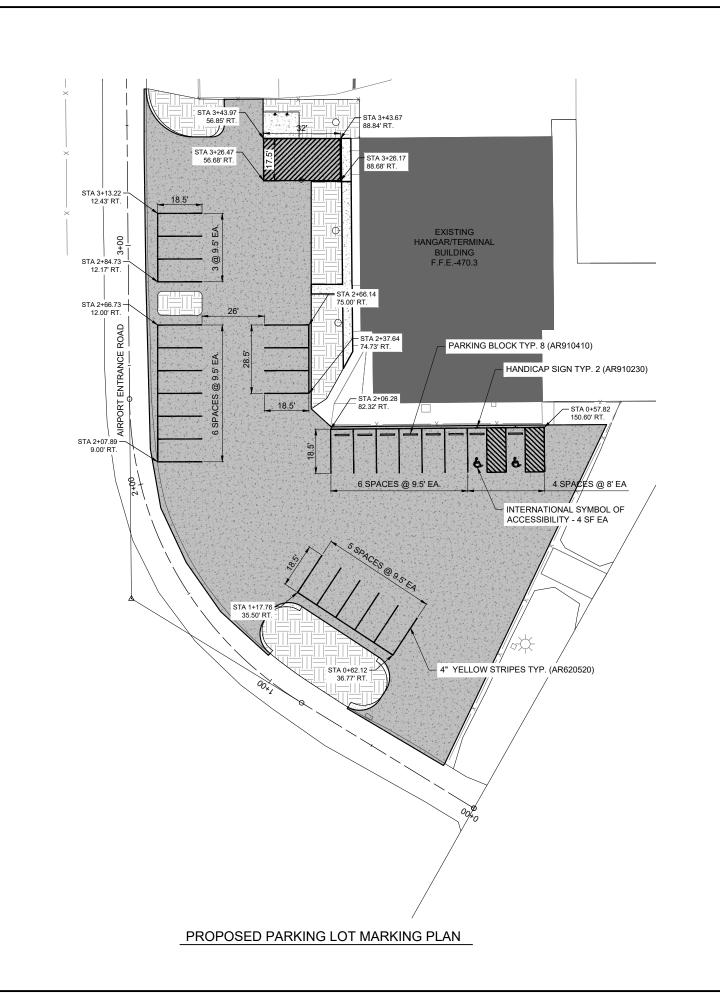




1944 4 PM DUDAS01 2024 2:24 JAN 19, I:\22JOB

FOR BID	13
	REFUSE DISPOSAL AREA DETAILS
	REVIEWED BY: LDH 1/19/2024
	DESIGN BY: MJD 7/28/2023 DRAWN BY: CWS 7/28/2023
	PROJECT NO: 22A0007D CAD FILE: C-302-TYP.DWG
	NO. DATE DESCRIPTION DES DWN REV ISSUE: JANUARY 19, 2024
FER PAD FINISH GRADE	
ONCRETE, DXY OR SLE	
EEL PIPE	
RETE	
	IDA No: FOA-4986
	PARKING LOT AND AIRCRAFT HANGAR ACCESS PAVEMENT
	SIGNED: 1/19/2024 EXPIRES: 11/30/2025 RECONSTRUCT AUTO
	DATE LICENSE
	Linday Hausman
	OF ILLIAN
ED AGGREGATE BASE COURSE	UNDSAY DEVET HAUSMAN 92,062-059464 \$2
6" PCC PAD (3,500 PSI) WITH 6 X 6 WWF OR NO 4 BARS AT 18" O.C.	PROFESSION OF
	<u> </u>
	1 AIRPORT ROAD FLORA, ILLINOIS 62839
	FLORA MUNICIPAL AIRPORT
	#184-001084
	Illinois Licensed Professional Service Corporation
5'	1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503
IPSTER	Offices Nationwide www.hanson-inc.com Hanson Professional Services Inc.
	Engineering Planning Allied Services

- -





1. ALL PARKING LOT MARKING WILL BE YELLOW (AR620520) AND 4" IN WIDTH.

2. SEE PROPOSED MARKING AND SIGNING DETAIL SHEET FOR ADDITIONAL INFORMATION.



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FLORA MUNICIPAL AIRPORT

1 AIRPORT ROAD FLORA, ILLINOIS 62839



DATE LICENSE SIGNED: 1/19/2024 EXPIRES: 11/30/2025

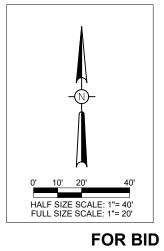
RECONSTRUCT AUTO PARKING LOT AND AIRCRAFT HANGAR ACCESS PAVEMENT

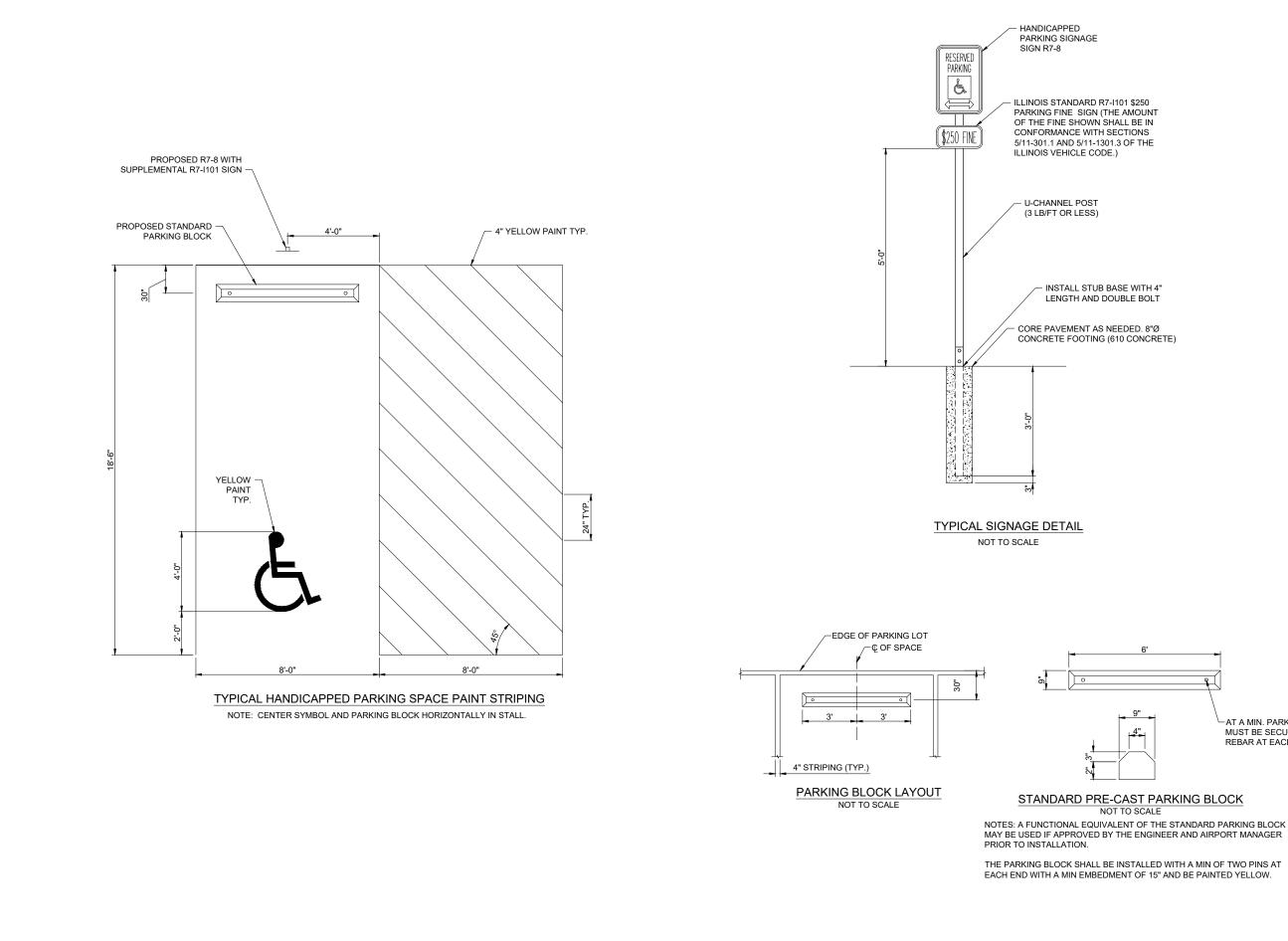
IDA No: FOA-4986

NO.	DATE	DES	CRIPT	ION		
NO.	DATE	DES	DWN	REV		
ISSUE:	ISSUE: JANUARY 19, 2024					
PROJECT NO: 22A0007D						
CAD FILE: C-105-MRK.DWG						
DESIGN BY: MJD 7/28/2023						
DRAWN BY: CWS 7/28/2023						
REVIEWED BY: LDH 1/19/2024						

SHEET TITLE

PROPOSED MARKING PLAN





AT A MIN. PARKING BLOCKS MUST BE SECURED WITH REBAR AT EACH END.



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DATE LICENSE SIGNED: 1/19/2024 EXPIRES: 11/30/2025

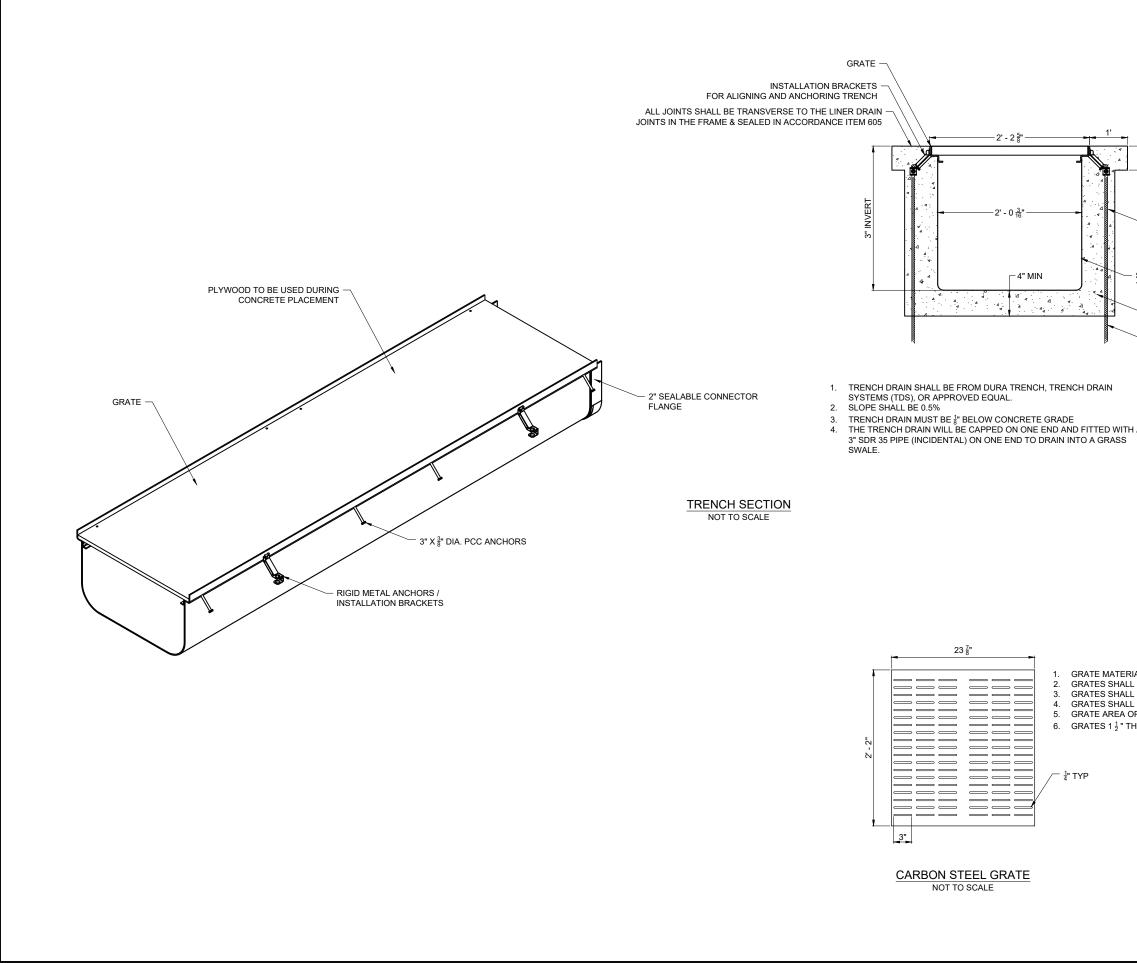
RECONSTRUCT AUTO PARKING LOT AND AIRCRAFT HANGAR ACCESS PAVEMENT

IDA No: FOA-4986

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NO.	DATE		CRIPT	-		
		DES	DWN	REV		
_	JANUAF					
PROJEC	PROJECT NO: 22A0007D					
CAD FILE: C-502-DTL.DWG						
DESIGN BY: MJD 7/28/2023						
DRAWN BY: CWS 7/28/2023						
REVIEWED BY: LDH 1/19/2024						

SHEET TITLE

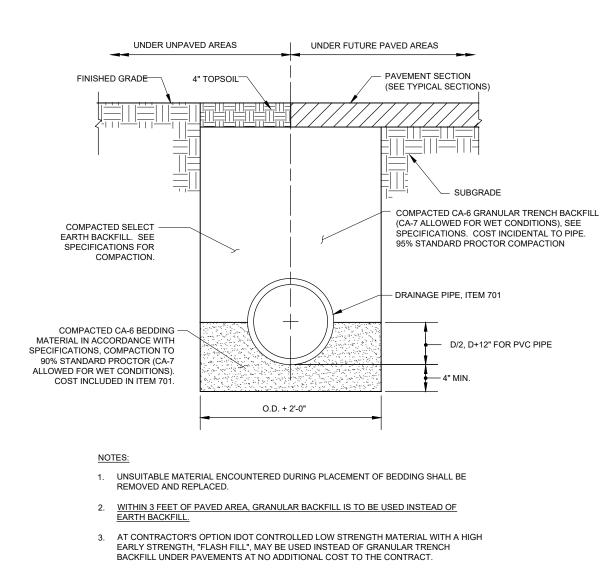
PROPOSED MARKING AND SIGN DETAILS



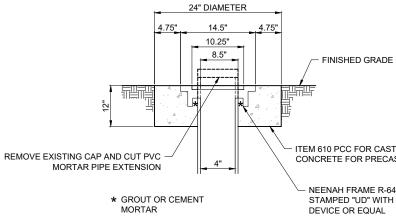
JAN 19, 2024 2:25 PM DUDAS01944 ⊡22JOBS\22A0007D\CAD\AIRPORT\SHEET\C-503-DRN .I

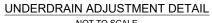
Q

FOR BID	16
ERIAL SHALL BE A36 CARBON STEEL ALL MEET LOAD CLASS D AND EXCEED H-20 LOADING ALL BE ADA COMPLIANT AND HEEL PROOF ALL BE POWDER COATED BLACK OPEN SHALL BE 30.16 IN*2 / LF THICK	Image: Second State Sta
TH A	DATE TISSED: 1/19/2024 LICENSE EXPIRES: 1/19/2024 EXPIRES: 1/19/2024 EXPIRES: 1/19/2025 RECONSTRUCT AUTO PARKING LOT AND AIRCRAFT HANGAR ACCESS PAVEMENT IDA No: FOA-4986
NO. 4 INSTALLATION BARS	1 AIRPORT ROAD FLORA, ILLINOIS 62839
0	Engineering Planning Alled Services Offices Nationwide www.hanson-inc.com Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503 Illinois Licensed Professional Service Corporation #184-001084 FLORA MUNICIPAL AIRPORT
	Engineering Planning Allied Services



PIPE TRENCH DETAIL NOT TO SCALE





NOT TO SCALE

			PIPE SC	HEDULE					
STRUCTURE	ALIGNMENT	STA.	OFFSET	TYPE	RIM ELEVATION (FT)	INVERT ELEVATION (FT)	PIPE PAY LENGTH (FT)	SIZE (IN)	SLOPE (%)
TRENCH DRAIN (AR751001)	AIRPORT ROAD	3+42.84	83.44' RT	TRENCH DRAIN	470.12	469.87			
							16	24	0.5
		3+26.84	83.29 RT	TRENCH DRAIN	470.12	469.79			
		3+25.34	83.29 RT	PVC*		469.76	1.5*	3	2.0
HDPE CULVERT (AR800925)	AIRPORT ROAD	0+61.30	19.13 RT	HDPE		467.00			
							50	16	
		0+11.35	21.35 RT	HDPE		465.90			2.2
*PVC PIPE INCIDENTAL	TO TRENCH DRAI	N							

PIPE INCIDENTAL TO TRENCH DRAIN

- ITEM 610 PCC FOR CAST IN PLACE, IDOT CLASS PC CONCRETE FOR PRECAST

NEENAH FRAME R-6461-AH WITH CLOSED LID STAMPED "UD" WITH TYPE E BOLTED LOCKING



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IDA No: FOA-4986

NO.	DATE	DES	CRIPT	ION		
NO.	DATE	DES	DWN	REV		
ISSUE:	ISSUE: JANUARY 19, 2024					
PROJEC	PROJECT NO: 22A0007D					
CAD FIL	CAD FILE: C-503-DRN.DWG					
DESIGN BY: MJD 7/28/2023						
DRAWN BY: CWS 7/28/2023						
REVIEWED BY: LDH 1/19/2024						

SHEET TITLE

DRAINAGE DETAILS AND DRAINAGE SCHEDULE