WAUKEGAN PORT DISTRICT WAUKEGAN, LAKE COUNTY, ILLINOIS

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CALL J.U.L.I.E. BEFORE EXCAVATING AT 811 WAUKEGAN NATIONAL AIRPORT

> TOWNSHIP: 46 NORTH RANGE: 12 EAST SECTION: 31 AND 32 COUNTY: LAKE TOWNSHIP: BENTON

DESIGN INFORMATION

DESIGN AIRCRAFT APPROACH CATEGORY C
DESIGN AIRCRAFT GROUP III (GULFSTREAM 450)



J.U.L.I.E.
JOINT UTILITY LOCATING
INFORMATION FOR EXCAVATORS
www.illinois1call.com

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ACTUAL LOCATIONS OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES, PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF HIS OPERATIONAL PLANS, OBTAIN FROM 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 AND THE ONE-CALL NOTICE SYSTEM. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH UTILITY OR SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO

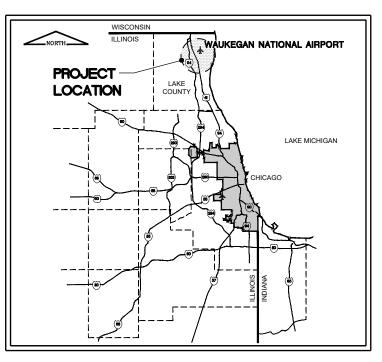
CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 811.

CONSTRUCTION PLANS FOR WAUKEGAN NATIONAL AIRPORT

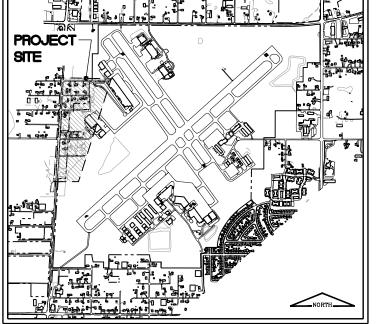
CONSTRUCT PERIMETER FENCING - PHASE 5 (NORTHWEST AREA)

ILLINOIS PROJECT: UGN-4848 S.B.G. PROJECT: 3-17-SBGP-XX

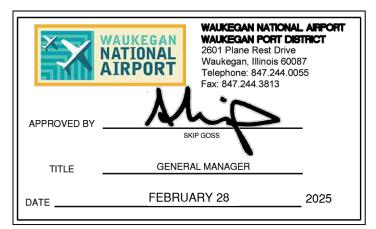
FEBRUARY 28, 2025



LOCATION MAP



SITE PLAN





SUMMARY OF CONTRACT QUANTITIES

ITEM	DESCRIPTION	UNIT	TOTAL ESTIMATED QUANTITY	TOTAL RECORD QUANTITY
BASE BID				
AR150520	MOBILIZATION	L SUM	1	
AR151420	CLEARING TREES 0-2.5' BUTT. DIA.	EACH	8	
AR151450	CLEARING AND GRUBBING	ACRE	2.25	
AR156510	SILT FENCE	FOOT	200	
AR156520	INLET PROTECTION	EACH	2	
AR156530	TEMPORARY SEEDING	ACRE	2.25	
AR156531	EROSION CONTROL BLANKET	SQ YD	350	
AR161900	REMOVE CLASS C FENCE	FOOT	1,000	
AR162216	CLASS E MANUAL SLIDE GATE-16'	EACH	1	
AR162220	CLASS E MANUAL SLIDE GATE-20'	EACH	1	
AR162228	CLASS E MANUAL SLIDE GATE - 28'	EACH	1	
AR162612	CLASS E GATE-12'	EACH	2	
AR162810	CLASS E FENCE 10' W/ 2' BURY	FOOT	1,170	
AR162900	REMOVE CLASS E FENCE	FOOT	740	
AR162908	REMOVE ELECTRIC GATE	EACH	3	
AR163000	TEMPORARY CONSTRUCTION FENCE	FOOT	235	
AR800173	WILDLIFE DETERRENT BARRIER - PAD	SQ FT	160	
AR901510	SEEDING	ACRE	2.25	
AR905530	TOPSOILING	SQ YD	370	
AR908514	LIGHT-DUTY HYDRAULIC MULCH	ACRE	2.25	

ADDITIVE ALTERNATE NO. 1						
	AS151450	CLEARING AND GRUBBING	ACRE	0.25		
	AS156530	TEMPORARY SEEDING	ACRE	0.25		
	AS161900	REMOVE CLASS C FENCE	FOOT	135		
	AS162810	CLASS E FENCE 10' W/ 2' BURY	FOOT	200		
	AS901510	SEEDING	ACRE	0.25		
	AS908514	LIGHT-DUTY HYDRAULIC MULCH	ACRE	0.25		

IL. CONTRACT: WA076

IL. LETTING ITEM: 09A IL. PROJECT: UGN-4848 S.B.G. PROJECT: 3-17-SBGP-XX

	REVISIONS	}
NUMBER	BY	DATE

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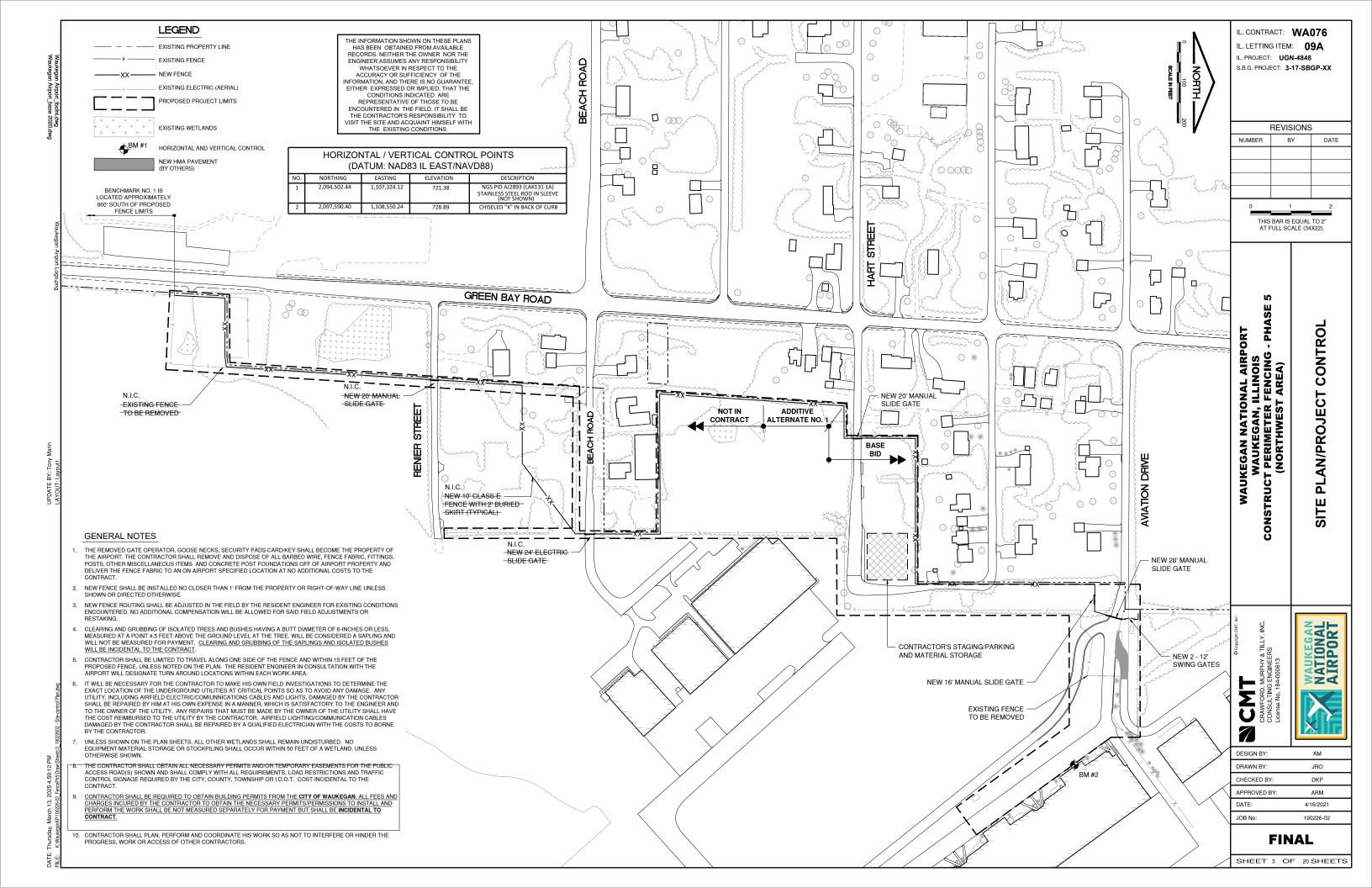
WAUKEGAN NATIONAL AIRPORT WAUKEGAN, ILLINOIS CONSTRUCT PERIMETER FENCING - PHASE 5 (NORTHWEST AREA) SUMMARY OF QUANTITIES

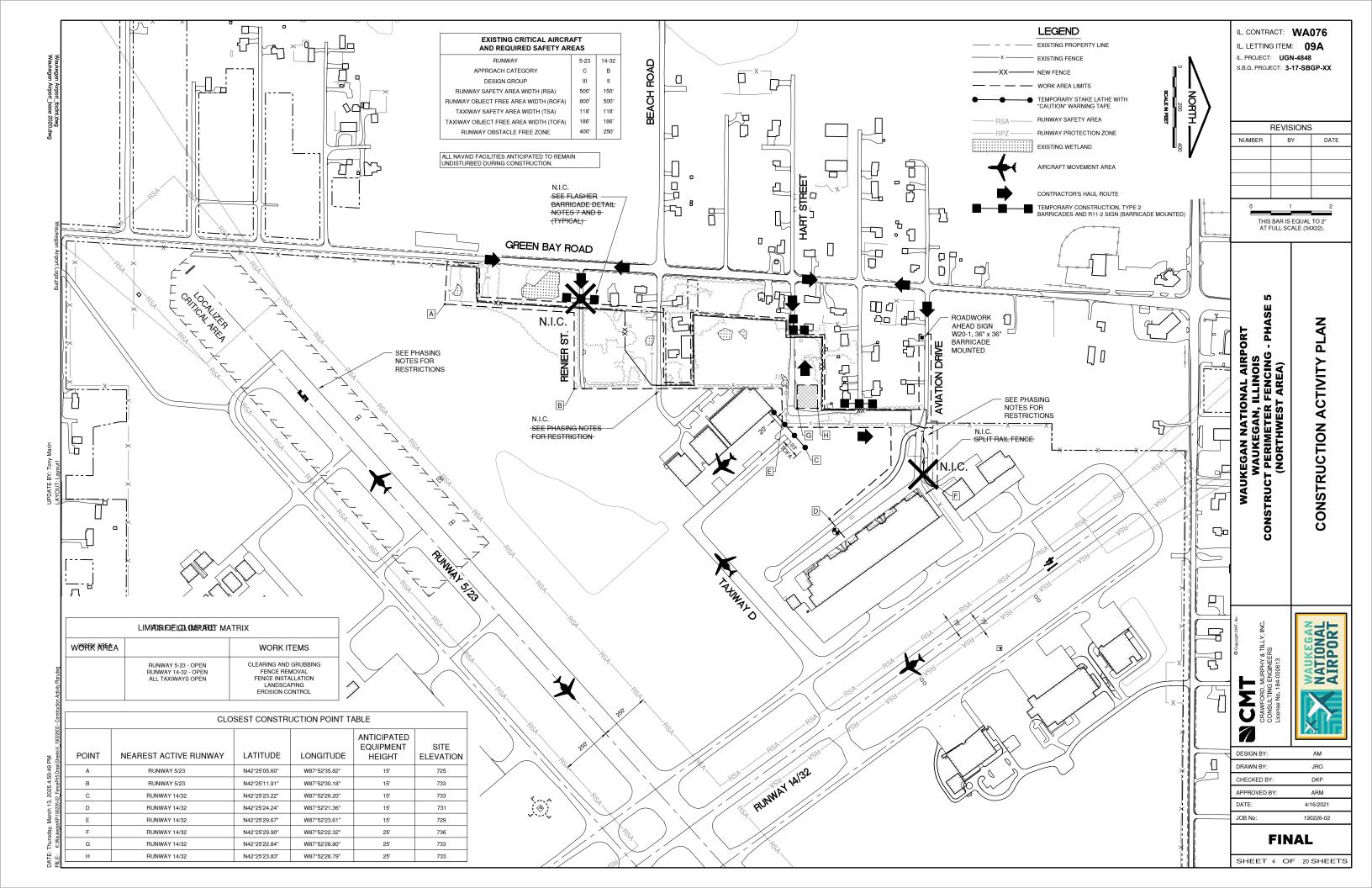
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DESIGN BY: DRAWN BY: CHECKED BY: DKP ARM 4/16/2021 JOB No: 190226-02

FINAL

SHEET 2 OF 20 SHEETS





GENERAL

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE AIRPORT'S APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), FAA AC 150/5370-2G OR LATEST EDITION, AND ALL AIRPORT SAFETY AND

SECURITY REQUIREMENTS.

- PRIOR TO THE NOTICE TO PROCEED. THE CONTRACTOR SHALL 2. SUBMIT TO THE AIRPORT THROUGH THE RESIDENT ENGINEER, FOR APPROVAL A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA AC 150/5370-2G OR LATEST EDITION. NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL THE AIRPORT HAS APPROVED THE SPCD.
- THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL AND MEETING OSHA REQUIREMENTS.
- A MINIMUM OF 10 DAYS PRIOR TO THE NOTICE TO PROCEED THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS
- ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO
- EXISTING ELECTRICAL GATES ARE TO REMAIN IN OPERATION UNTIL NEW GATE IS INSTALLED AND READY FOR SERVICE. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT A MINIMUM OF 2 CALENDAR DAYS ADVANCE NOTICE OF THE GATE SWITCH OVER TO COORDINATE WITH TENANTS.

1. COORDINATION

- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE AIRPORT, RESIDENT ENGINEER, AND ILL INOIS DIVISION OF AERONAUTICS (IDA). THE COST OF PREPARING FOR AND ATTENDING THE PRE-CONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT.
- ON OR BEFORE THE PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE FOR THE PROJECT. THE SCHEDULE SHALL INCLUDE A START AND COMPLETION DATE FOR EACH ITEM OF WORK. THE SCHEDULE SHALL BE UPDATED ON A WEEKLY BASIS. ALL COSTS ASSOCIATED WITH THE SCHEDULE SHALL BE INCIDENTAL TO THE CONTRACT.
- DURING CONSTRUCTION THE CONTRACTOR SHALL ATTEND A WEEKLY COORDINATION MEETING WITH THE AIRPORT STAFF AND RESIDENT ENGINEER. ALL COSTS ASSOCIATED WITH ATTENDING THE WEEKLY MEETING SHALL BE INCIDENTAL TO THE CONTRACT

2. PHASING

- TOTAL BASE BID CONTRACT TIME SHALL BE 38 CALENDAR DAYS. ADDITIVE ALTERNATE NO. 1 CONTRACT TIME SHALL BE 7 CALENDAR DAYS
- WORK SHALL BE COMPLETED UNDER ONE PHASE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN (CAP) SHEETS.
- WORK AREAS AND DESCRIPTIONS

COMPLETE INITIAL MOBILIZATION, STAGING AREA PREPARATION, AND LAYOUT IN ORDER TO CLEAR AND GRUB EXISTING TREES AND BRUSH. CLEAR EXISTING TREES AND BRUSH WITHIN THE LIMITS OF FENCE LAYOUT. INSTALL WETLAND PROTECTIONS AND INITIAL EROSION CONTROL MEASURES

ONCE CLEARING AND GRUBBING OPERATIONS ARE COMPLETE AND WETI AND PROTECTIONS ARE IN PLACE COMPLETE. FENCE REMOVAL FENCE INSTALLATION, LANDSCAPING AND GENERAL IMPROVEMENTS.

4. RESTRICTIONS

CLEARING AND GRUBBING OF TREES

NO CLITTING OR TRIMMING OF TREES SHALL OCCUR RETWEEN APRIL 1 AND SEPTEMBER 30, BOTH DAYS INCLUSIVE, DUE TO POTENTIAL IMPACT TO THE NORTHERN LONG EARED BAT.

AVIATION DRIVE AND FORTUNE DRIVE

THE CONTRACTOR SHALL PHASE THE ROADWAY IMPROVEMENTS TO MAINTAIN ACCESS TO AIRFIELD HANGARS. ANY TEMPORARY IMPROVEMENTS TO MAINTAIN HANGAR ACCESS SHALL BE INCIDENTAL TO THE CONTRACT. SHOULD THE CONTRACTOR NEED TO BLOCK ACCESS TO THE HANGARS FOR AN IMPROVEMENT, THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND THE AIRPORT A MINIMUM OF 2 CALENDAR DAYS IN ADVANCE. THE CONTRACTOR WILL ONLY BE ALLOWED TO BLOCK HANGAR ACCESS A MAXIMUM OF 4-HOURS ON ANY GIVEN OCCURRENCE. THE CONTRACTOR SHALL PLACE TYPE II BARRICADES AT PAVEMENT DROP OFFS. THE BARRICADES SHALL BE SPACED AT A MAXIMUM 5 FOOT SPACING. EXISTING POWERED SLIDE GATES TO REMAIN IN SERVICE UNTIL NEW POWERED SLIDE GATE IS READY FOR OPERATION. EXISTING POWERED SLIDE GATE TO REMAIN IN SERVICE UNTIL NEW MANUAL POWERED SLIDE GATE IS READY FOR OPERATION. EXISTING POWERED SLIDE GATE TO REMAIN IN SERVICE UNTIL NEW POWERED SLIDE GATE IS READY FOR OPERATION. N.I.C.

BEACH ROAD N.I.C.

EXISTING POWERED SLIDE GATE TO REMAIN IN SERVICE UNTIL NEW POWERED SLIDE GATE IS READY FOR OPERATION.

DURATIONS AND MILESTONES:

MILESTONE 1

SUBSTANTIALLY COMPLETE MOBILIZATION, INCLUDING CLEARING AND GRUBBING AND ANY REQUIRED PRE-CONSTRUCTION FIELD WORK BETWEEN OCTOBER 1ST AND MARCH 31ST

MILESTONE 2

SUBSTANTIALLY COMPLETE REMAINING WORK, EXCLUDING CLEARING AND GRUBBING.

3. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

- ALL BLINWAYS TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED ON
- WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT
- ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

4. NAVAIDS THAT COULD BE AFFECTED

- THE CONTRACTOR MUST COORDINATE WITH AIRPORT OPERATIONS/ENGINEER IN ADVANCE FOR ANY WORK WITHIN A NAVAID CRITICAL AREA OR AFFECTING THE VISUAL, TRANSMITTED SIGNAL OR POWER SUPPLY OF A NAVAID.
- 2. FDGE LIGHTS, THRESHOLD LIGHTS, VISUAL AIDS AND ALL ILS EQUIPMENT SHALL BE SHUT OFF FOR THE DURATION OF A CLOSURE PERIOD ON ANY ASSOCIATED PAVEMENTS. IF THE LIGHTING CIRCUIT MUST BE ON FOR OPEN PAVEMENT AREAS, CLOSED PAVEMENT AREA LIGHTS SHALL BE COVERED COMPLETELY.
- EXCEPT WHERE NOTED IN THE PLANS, EXISTING COMMUNICATIONS EQUIPMENT AND NAVIGATIONAL AIDS (NAVAIDS) SHALL NOT BE DISTURBED BY THE CONTRACTOR AND SHALL BE PROTECTED FROM
- 4. PRIOR TO BEGINNING SITE WORK, CONTRACTOR SHALL COORDINATE THROUGH AIRPORT OPERATIONS TO LOCATE, AND THE CONTRACTOR TO MARK ALL UNDERGROUND COMMUNICATIONS CABLES AND FACILITIES. WITHIN THE PROJECT AREA
- 5 IE CONTRACTOR CALISES INTERRUPTION OF POWER OR COMMUNICATIONS TO A NAVAID CONTRACTOR SHALL REPAIR WITHIN 24 HOURS AT THE CONTRACTOR'S COST, CONTRACTOR MUST COORDINATE REPAIR WITH AIRPORT OPERATIONS BEFORE ANY REPAIR IS MADE.

5. CONTRACTOR ACCESS

- CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS, ALL COSTS BELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR
- THE CONTRACTOR IS TO ACCESS THE SITE USING THE ROUTES AND GATE(S) SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE CLOSED DURING WORK HOURS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE PUBLIC ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL REQUIREMENTS, LOAD RESTRICTIONS, & TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP, OR I.D.O.T.
- CONTRACTOR'S VEHICLES AND FOUIPMENT SHALL BE MARKED AND FLAGGED PER SECTION 70-10 OF THE STANDARD SPECIFICATIONS. MAXIMUM HEIGHT OF CONTRACTOR'S FOUIPMENT WILL BE 25'.
- DRIVERS OF TRUCKS CONTAINING MATERIAL DELIVERIES (AGGREGATE, ASPHALT, ETC.) NEED NOT OBTAIN AN AIRPORT ID BADGE BUT SHALL BE REQUIRED TO SUBMIT THEIR NAME, DRIVER'S LICENSE NUMBER, TRUCK LICENSE PLATE NUMBER AND NAME OF TRUCKING COMPANY TO THE PRIME CONTRACTOR PRIOR TO ENTERING THE JOBSITE. WHILE INSIDE THE AOA FENCE, THE TRUCK DRIVERS SHALL BE ESCORTED BY THE CONTRACTOR PERSONNEL THAT HAS OBTAINED PROPER DRIVING PRIVILEGES.
- CONTRACTOR WORK CREWS MUST MAINTAIN RADIO CONTACT WITH THE WAUKEGAN AIR TRAFFIC CONTROL TOWER GROUND CONTROL (121.65 MHZ) AT ALL TIMES WHEN INSIDE THE AIRPORT OPERATIONS AREA (AOA). THE CONTRACTOR SHALL SUPPLY ALL APPROPRIATE RADIOS NEEDED FOR COMMUNICATIONS AND ONLY HIS PERSONNEL WHO HAVE SUCCESSFULLY SATISFIED THE AIRPORT OF THEIR COMPETENCE MAY OPERATE THESE RADIOS
- THE CONTRACTORS STORAGE AND STAGING AREAS WILL BE AS SHOWN ON THE SITE PLAN.
- THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR
- WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREAS.
- DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF THE CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE
- 11. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE EXISTING TURE AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE AIRPORT.
- 12. ALL CONSTRUCTION TRAFFIC OPERATING ON, OR CROSSING BLINWAYS TAXIWAYS AND APRONS OPEN TO AIRCRAFT TRAFFIC SHALL BE UNDER CONTROL BY A FLAGMAN OR ESCORT IN RADIO CONTACT WITH THE COMMON TRAFFIC ADVISORY FREQUENCY. THE CONTRACTOR SHALL PROVIDE HIS OWN FLAGMEN
- 13. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH WILL BE OPENED TO VEHICLE AND AIR TRAFFIC TO THE SATISFACTION OF AIRPORT OPERATIONS OR THE RESIDENT ENGINEER. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC.
- 14 ALL PAVEMENTS DRIVES OR ANY OTHER AREAS LITILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO REGINNING CONSTRUCTION NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE
- THE CONTRACTOR SHALL NOTIFY THE AIRPORT IF CONSTRUCTION ACTIVITY WILL REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT

6. WILDLIFE MANAGEMENT

- THE CONTRACTOR SHALL NOTIFY THE AIRPORT OR THE RESIDENT ENGINEER IF ANY WILDLIFE IS SEEN ENTERING THE AIRPORT
- CONTRACTOR ACCESS GATES SHALL REMAIN CLOSED WHEN THE CONTRACTOR IS NOT WORKING
- THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING FOOD SCRAPS IN APPROVED CONTRACTOR PROVIDED CONTAINERS

7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

- THE CONTRACTOR SHALL PICK UP ANY FOREIGN OBJECT DEBRIS (FOD) SEEN ON THE AIRFIELD PAVEMENTS
- THE CONTRACTOR SHALL SECURE ALL LOOSE ITEMS FROM VEHICLES PRIOR TO DRIVING ON AIRFIELD PAVEMENTS.

8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS HANDLED ON THE JOBSITE.

9. NOTIFICATION OF CONSTRUCTION ACTIVITIES

- THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
- THE CONTRACTOR SHALL GIVE A MINIMUM OF 10 DAYS NOTICE TO THE FAA AND AIRPORT PRIOR TO THE CLOSURE OF ANY RUNWAY SO THAT THE FAA MAY DEACTIVATE THE FAA - OWNED NAVAIDS.
- THE CONTRACTOR SHALL GIVE A MINIMUM 30 DAYS NOTICE TO THE AIRPORT, AND PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, PRIOR TO CLOSING ANY RUNWAY OR TAXIWAY PAVEMENT SO THAT THE PROPER NOTAMS MAY BE ISSUED BY THE AIRPORT FOR COORDINATION WITH THE AIRPORT TENANTS
- FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT GREATER THAN 25', THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT THE TYPE OF EQUIPMENT, TOTAL HEIGHT, AND LOCATION WHERE THE EQUIPMENT WILL BE USED. THE AIRPORT WILL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
- 5. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.

10. INSPECTION REQUIREMENTS

- THE CONTRACTOR SHALL INSPECT THE JOBISTE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2G OR LATEST EDITION MAY BE USED TO AID IN THE INSPECTIONS.
- THE CONTRACTOR SHALL REQUEST OPERATIONAL INSPECTION OF EACH PHASE WORK AREA PRIOR THE AREA BEING REOPENED. THE AIRPORT WILL DETERMINE IF THE WORK AREA IS ALLOWED TO BE OPENED.

11. UNDERGROUND UTILITIES

- IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER. WHICH IS SATISFACTORY TO THE ENGINEER AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING CABLES. DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
- BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. AND CONTACT THE LOCAL FAA OFFICE TO ARRANGE FOR UTILITY LOCATES. SEE SECTION 70-17 OF THE SPECIAL PROVISIONS FOR UTILITY CONTACT INFORMATION.

12. PENALTIES

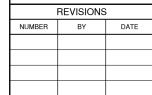
NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT BUILES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP AND THE CONTRACTOR'S APPROVED SPCD MAY RESULT IN FINES AS ALLOWED BY LAW

13. SPECIAL CONDITIONS

ADJACENT CONSTRUCTION MAY IMPACT THE OPERATIONS OF THE CONTRACTOR. SEE THE COORDINATION NOTES FOR ADDITIONAL INFORMATION

L. CONTRACT: WA076

IL. LETTING ITEM: 09A II . PROJECT: UGN-4848 S.B.G. PROJECT: 3-17-SBGP-XX



THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22)

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PHASE NOTES N NATIONAL AIRPC KEGAN, ILLINOIS IMETER FENCING -(THWEST AREA) PLAN ACTIVITY WAUKEGAN I WAUKE TRUCT PERIM (NORTH CONSTRUCTION CONSTRUCT

WAUKEGAN NATIONAL AIRPORT

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DESIGN BY AM DRAWN BY JRO CHECKED BY AM APPROVED BY ARM 4/16/2021 JOB No 190226-02

FINAL

SHEET 5 OF 20 SHEETS

14. RUNWAY AND TAXIWAY VISUAL AIDS

- ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRPORT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION
- IF ANY RUNWAY OR TAXIWAY CLOSURES ARE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE AIRPORT, THE CONTRACTOR SHALL USE MARKING, LIGHTING AND SIGNS THAT FOLLOWING THE REQUIREMENTS OF FAA AC 150/5370-2G OR LATEST EDITION.

15. MARKING AND SIGNS FOR ACCESS ROUTES

BARRICADES AND SIGNS SHALL BE USED ALONG THE CONTRACTOR'S ACCESS ROUTE AS DETAILED ON THE CONSTRUCTION ACTIVITY PLAN SHEETS.

16. HAZARD MARKING AND LIGHTING

- THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCKPILES, AND HIS/HER CONSTRUCTION EQUIPMENT.
- ALL CONSTRUCTION EQUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G AND 150/5210-5C OR LATEST EDITION AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM EQUIPMENT HEIGHT IS 25'.
- BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED LIGHTS AND FLAG PLACEMENT.

17. WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION

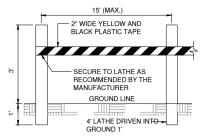
- WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL AREA LIGHTING TO ALLOW FOR PROPER CONSTRUCTION METHODS AND INSPECTION.
- LIGHTS SHALL CONSIST OF VEHICLE OR MOVABLE POLE MOUNTED FLOODLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL BE ALLOWED ONLY IN ADDITION TO OTHER LIGHTS MENTIONED ABOVE LIGHTING SHALL NOT INTERFERE WITH AIR OPERATIONS. ANY WORK BEING PERFORMED UNDER INSUFFICIENT ARTIFICIAL LIGHTING, IN THE RESIDENT ENGINEER'S JUDGEMENT, SHALL BE STOPPED UNTIL SUCH TIME AS ADDITIONAL LIGHTING IS PROVIDED. ALL WORK PERFORMED DURING THAT TIME WILL NOT BE ACCEPTABLE UNTIL PROPER INSPECTION AND TESTING CAN BE MADE.

18. PROTECTION

- 1. ALL WORK REQUIRED INSIDE OF A RUNWAY SAFETY AREA, WILL REQUIRE THE
- 2. ALL WORK REQUIRED ON AN ACTIVE TAXIWAY OR INSIDE OF AN ACTIVE TAXIWAY OBJECT FREE AREA, WILL REQUIRE THE TAXIWAY TO BE CLOSED

19. OTHER LIMITATIONS ON CONSTRUCTION

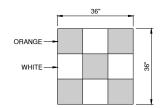
- IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT. THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT IF DIRECTED BY THE AIRPORT
- BROKEN CONCRETE, BROKEN ASPHALT, RUBBISH FROM DEMO, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE AIRSPACE FOR THE CONSTRUCTION EQUIPMENT THAT IS TALLER THAN THAT SPECIFIED ON THE PLANS WITH THE FAA. THIS PROCESS MAY TAKE UP TO 12 WEEKS TO COMPLETE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEGGAR TESTING ALL EXISTING CIRCUITS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION AS SPECIFIED IN THE CONTRACT DOCUMENTS



LATHING AND WARNING TAPE DETAIL

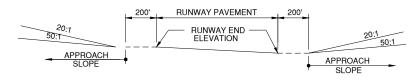
NOT TO SCALE

MATERIALS ARE TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION. COST OF MATERIALS, INSTALLATION, RELOCATION AND MAINTENANCE OF LATHING AND WARNING TAPE SHALL BE INCIDENTAL TO THE CONTRACT.



CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG

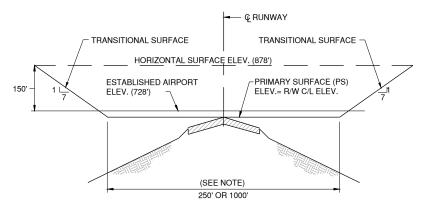
NOT TO SCALE



TYPICAL PROFILE F.A.R. PART 77 IMAGINARY SURFACES

NO SCALE

RUNWAY END	ELEVATION	APPROACH SLOPE	
5	724.7	34:1	
23	723.1	50:1	
14	727.6	20:1	
32	712.1	20:1	

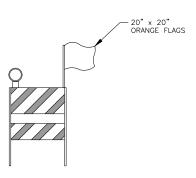


TYPICAL SECTION F.A.R. PART 77 IMAGINARY SURFACES

NO SCALE

NOTE:

IMAGINARY SURFACE REQUIREMENTS FOR EXISTING ACTIVE RUNWAYS (R/W) ARE SIMILAR EXCEPT PRIMARY SURFACE (PS) DIMENSIONS VARY RUNWAY 14-32 250' PS (125' LT & RT OF CENTERLINE) RUNWAY 5-23 1000' PS (500' LT & RT OF CENTERLINE



FLASHER BARRICADE DETAIL (IDOT TYPE 2)

NOTES

- FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES, ALTERNATE FLASHER LENSES SO THAT EVERY OTHER LENS IS
- 2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR
- NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 4. PLACE AT FIVE (5') INTERVALS.
- ONE 20"x20" ORANGE FLAG TO BE INSTALLED ON EACH BARRICADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BARRICADES AT ALL TIMES TO THE SATISFACTION OF THE AIRPORT MANAGER.
- . BARRICADES PLACED TO BLOCK ACCESS BY VEHICLES ON EXISTING ROADS SHALL ALSO HAVE A ROPE/CABLE STRUNG BETWEEN BARRICADES. THE ROPE/CABLE WILL ALSO HAVE RIBBON STRUNG FROM IT TO INCRESE
- BARRICADES PLACED TO BLOCK ACCESS BY VEHICLES ON EXISTING ROADS SHALL HAVE AT LEAST ONE (1) R11-2 SIGN ATTACHED TO A CENTER BARRICADE.

CONTRACTOR SHALL PLAN AND PERFORM HIS WORK SO AS NOT TO INTERFERE OR HINDER THE PROGRESS. WORK OR HAUL ROAD ACCESS OF OTHER CONTRACTORS (SEE SPECIAL PROVISIONS SECTION 30-05). THE PRIME CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE CONSTRUCTION ACTIVITIES AND ACCESS BETWEEN ALL ON-SITE CONTRACTORS SUBCONTRACTORS. IT IS ANTICIPATED THE FOLLOWING PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT. NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED FOR ANY EFFORTS. TO COORDINATE AND ACCESS THE TAXIWAY SITE DUE TO ADJACENT BUILDING CONSTRUCTION

- GATE ACCESS CONTROL CONTRACTOR
- REHABILITATE TAXIWAY D

GROUND CONTROL FREQUENCY: 121.65 MHz

MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT: DUMP TRUCK IN DUMP POSITION - 25'

IN THE EVENT THE CONTRACTOR PROPOSES TO UTILIZE CONSTRUCTION EQUIPMENT THAT IS TALLER THAN WHAT IS LISTED, THE CONTRACTOR WILL BE RESPONSIBLE TO SUBMIT FAA FORM 7460 FOR AIRSPACE APPROVAL. THE RESIDENT ENGINEER WILL PROVIDE BASE AIRPORT INFORMATION FOR THE CONTRACTOR'S USE.

IL. CONTRACT: WA076 IL. LETTING ITEM: 09A II. PROJECT: UGN-4848 S.B.G. PROJECT: 3-17-SBGP-XX

REVISIONS NUMBER BY DATE

THIS BAR IS FOUAL TO 2" AT FULL SCALE (34X22)

S

PHASE

CONSTRUCT

2

ഗ NOTES

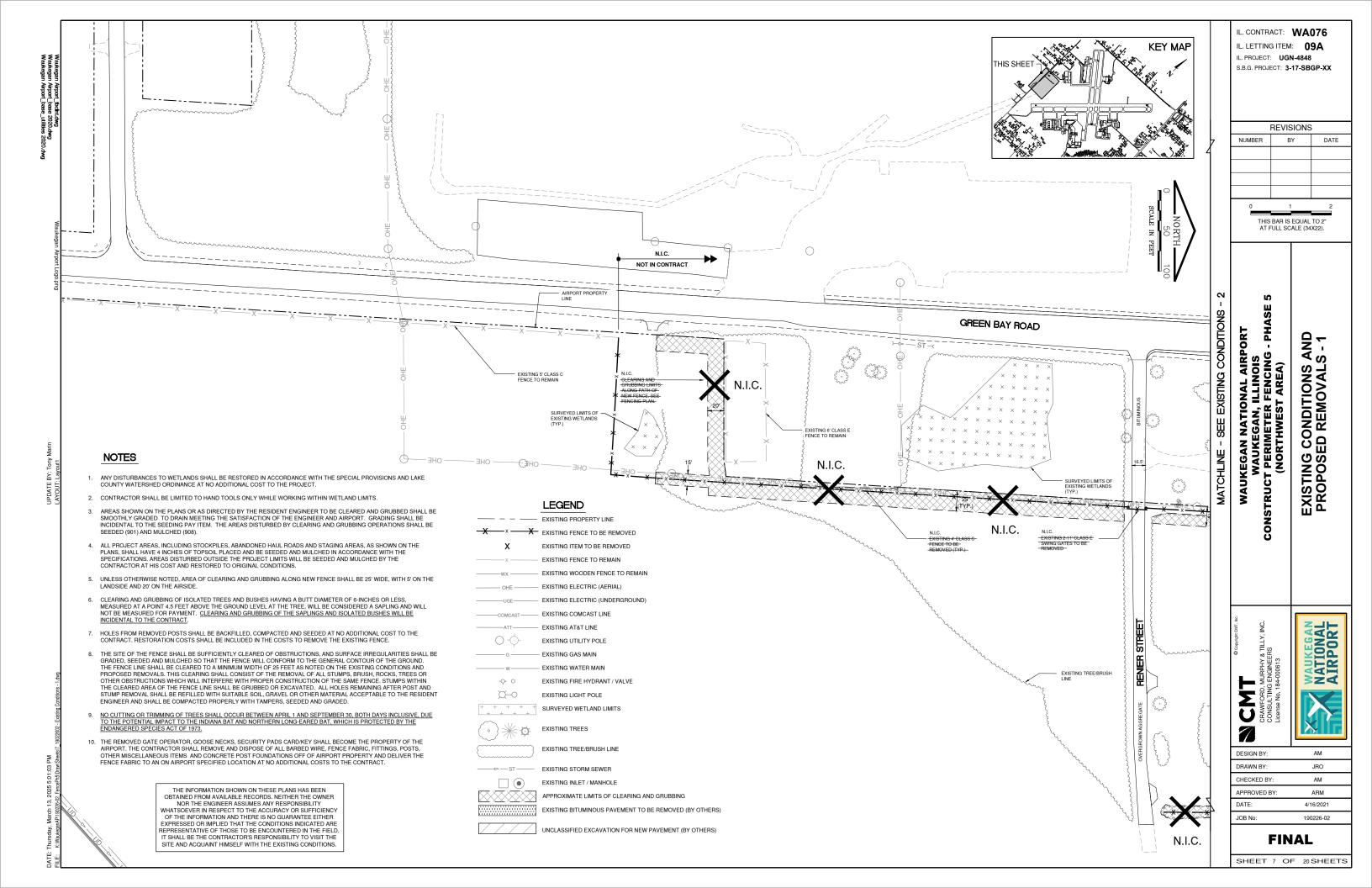
WAUKEGAN NATIONAL AIRPO WAUKEGAN, ILLINOIS STRUCT PERIMETER FENCING - I (NORTHWEST AREA) PLAN ACTIVITY ONSTRUCTION

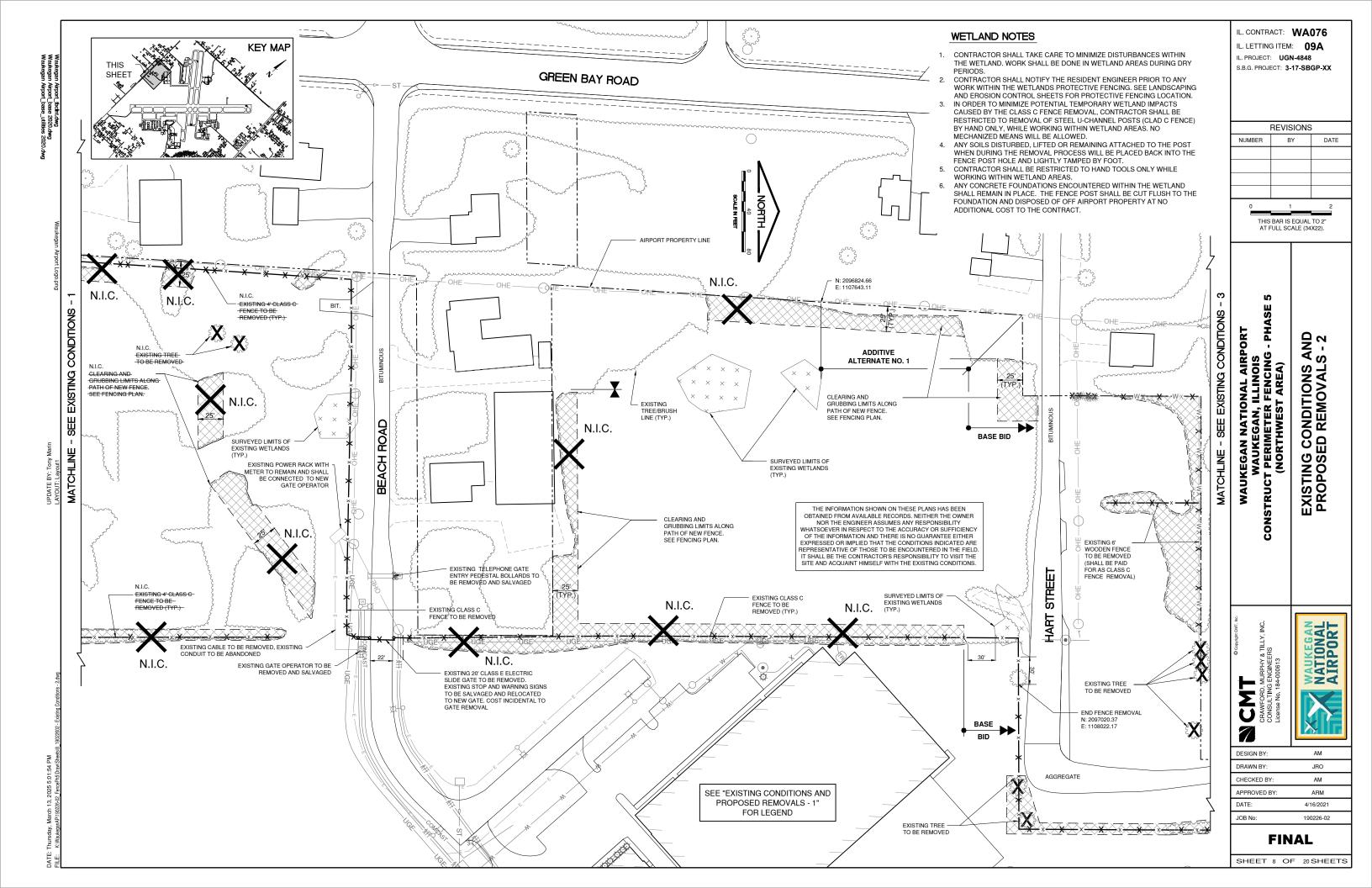
DESIGN BY AM DRAWN BY JRO CHECKED BY AM APPROVED BY ARM DATE 4/16/2021 JOB No 190226-02

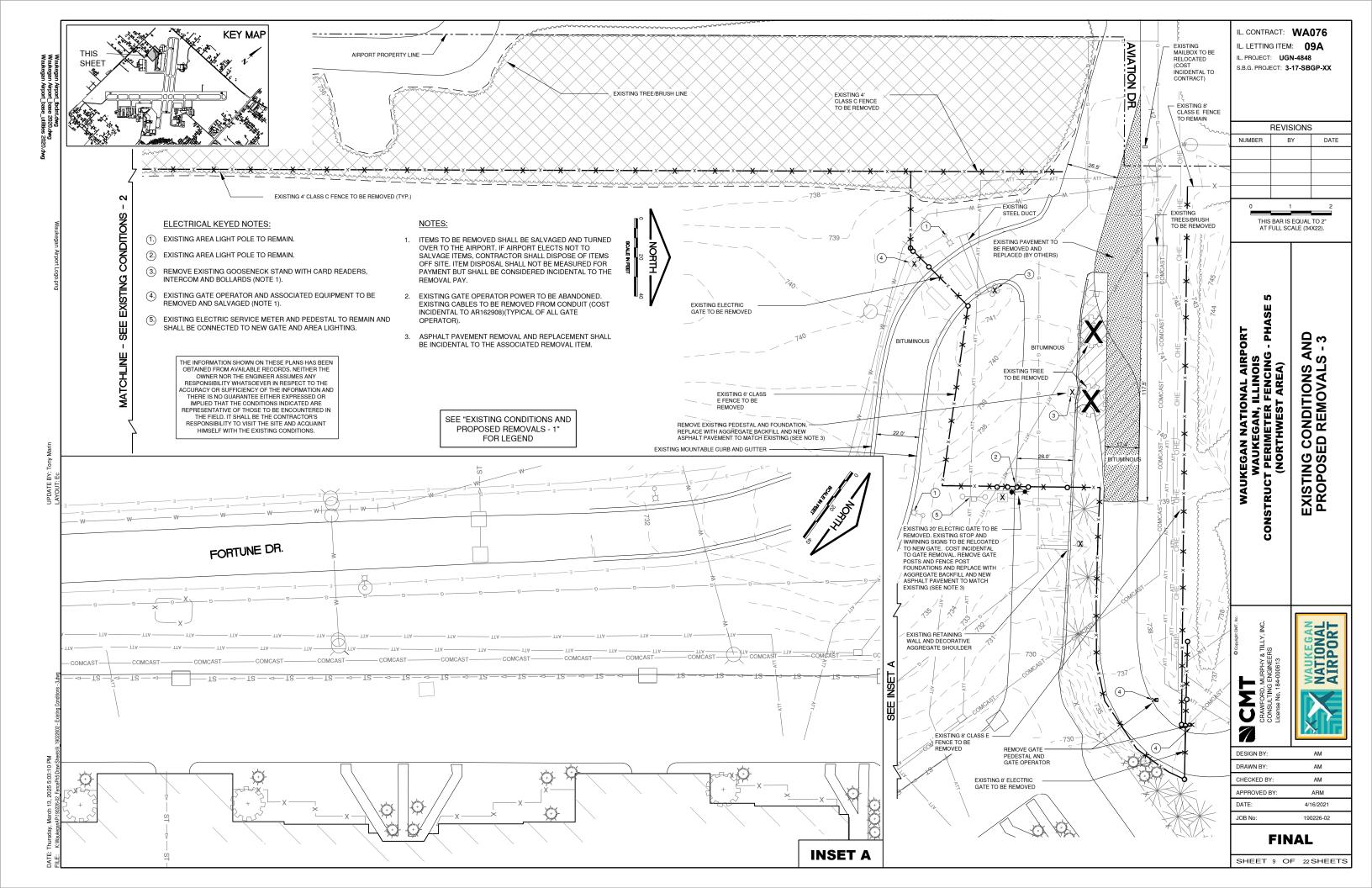
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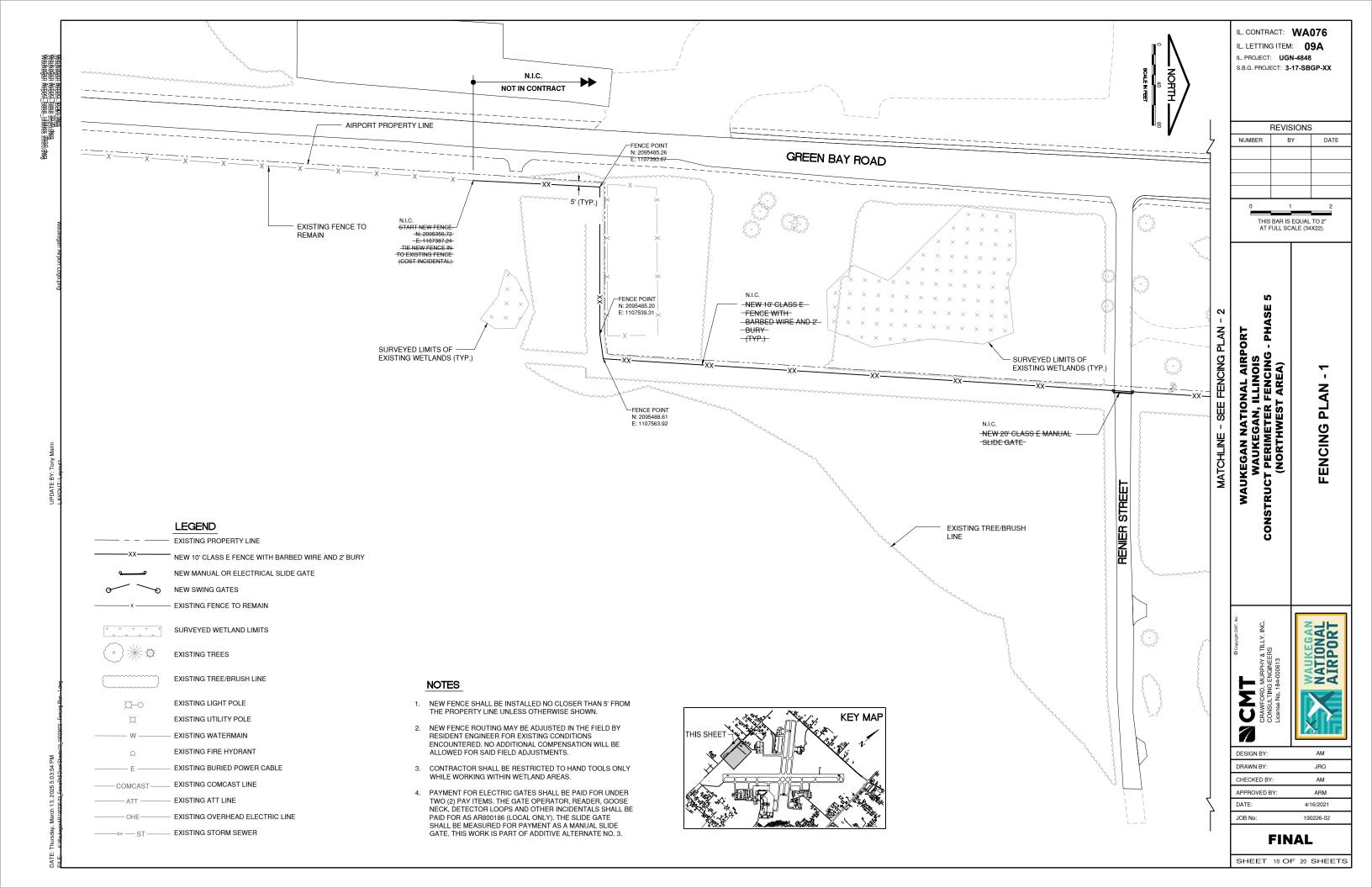
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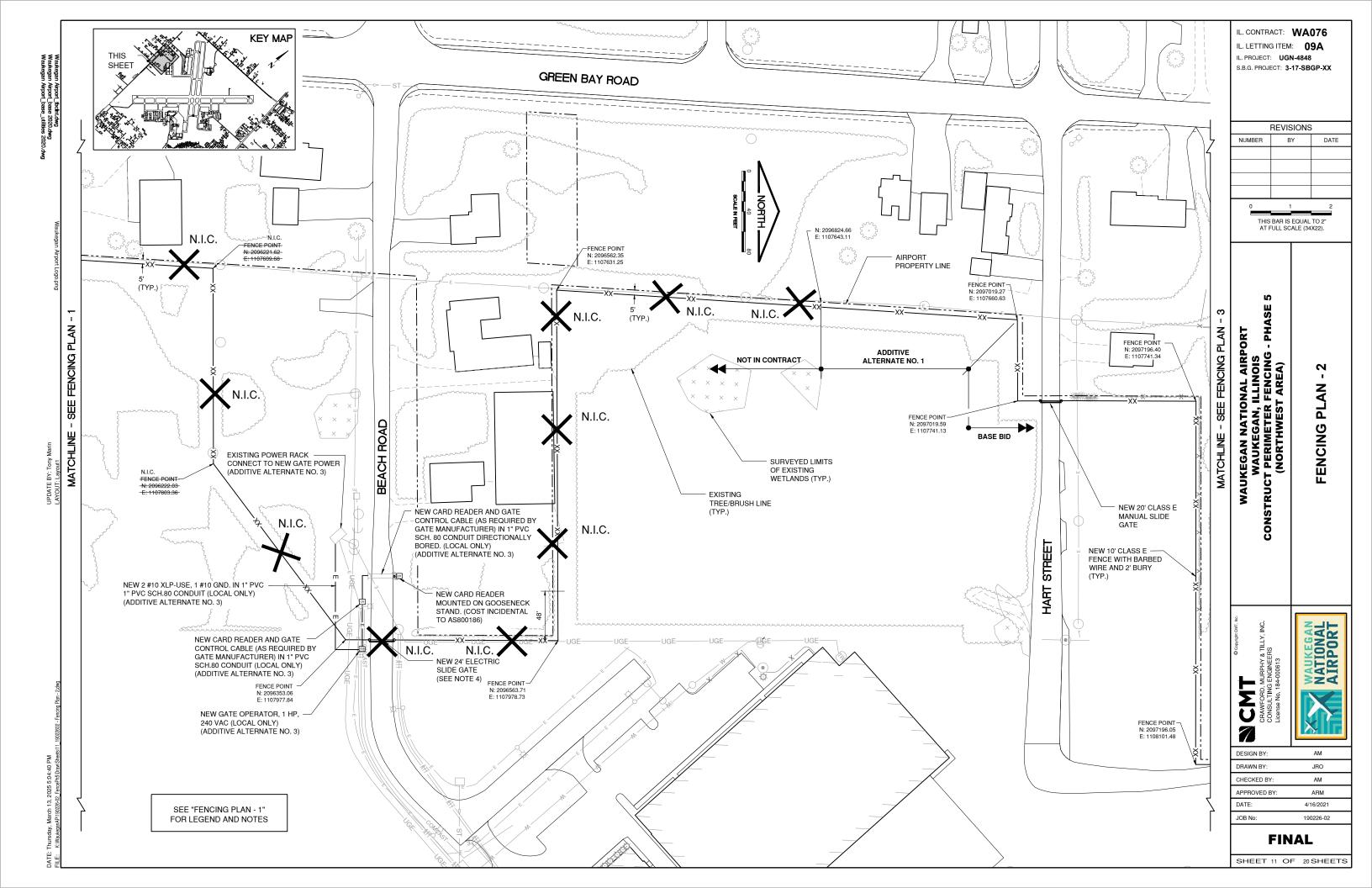
SHEET 6 OF 20 SHEETS

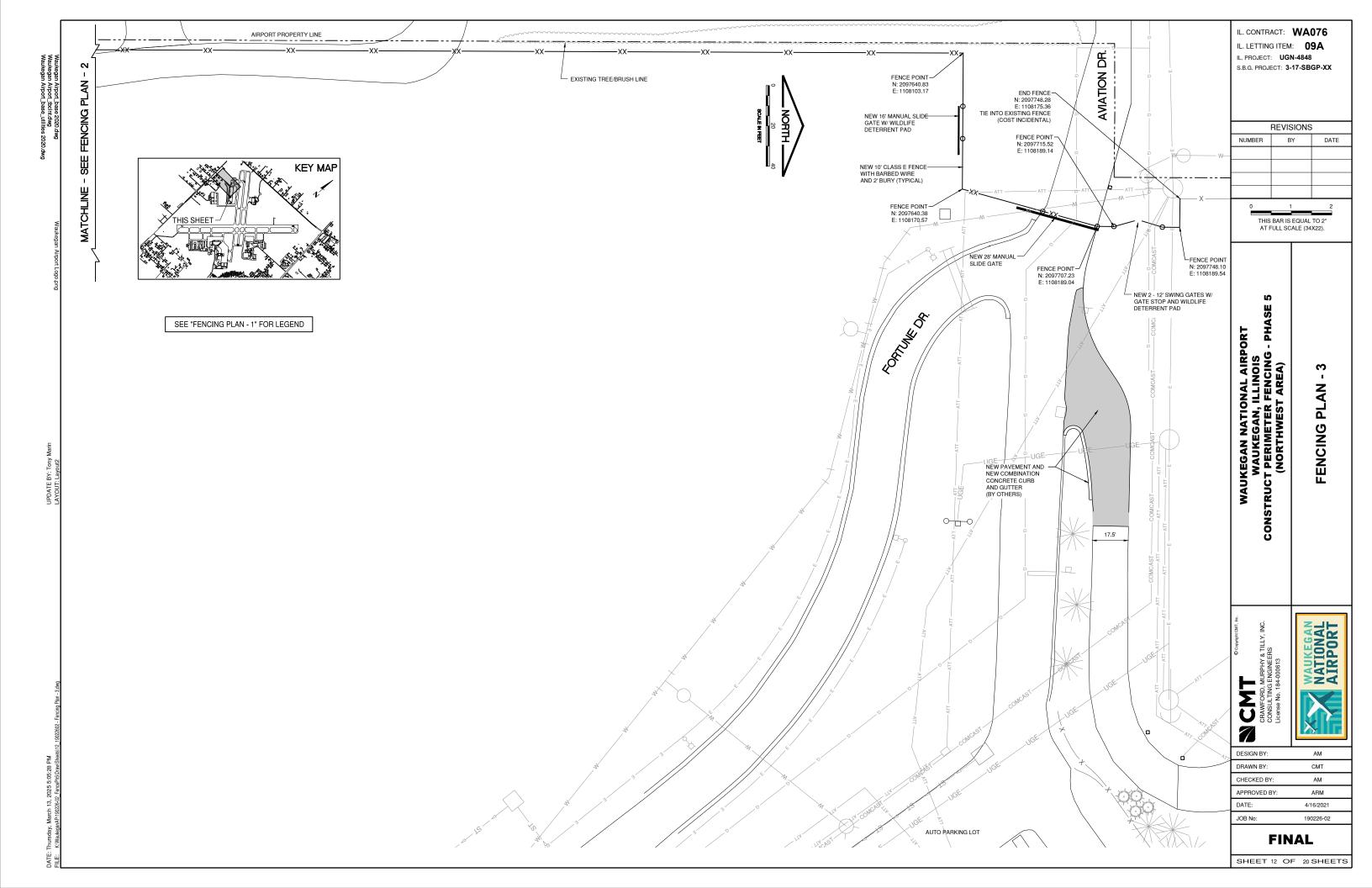


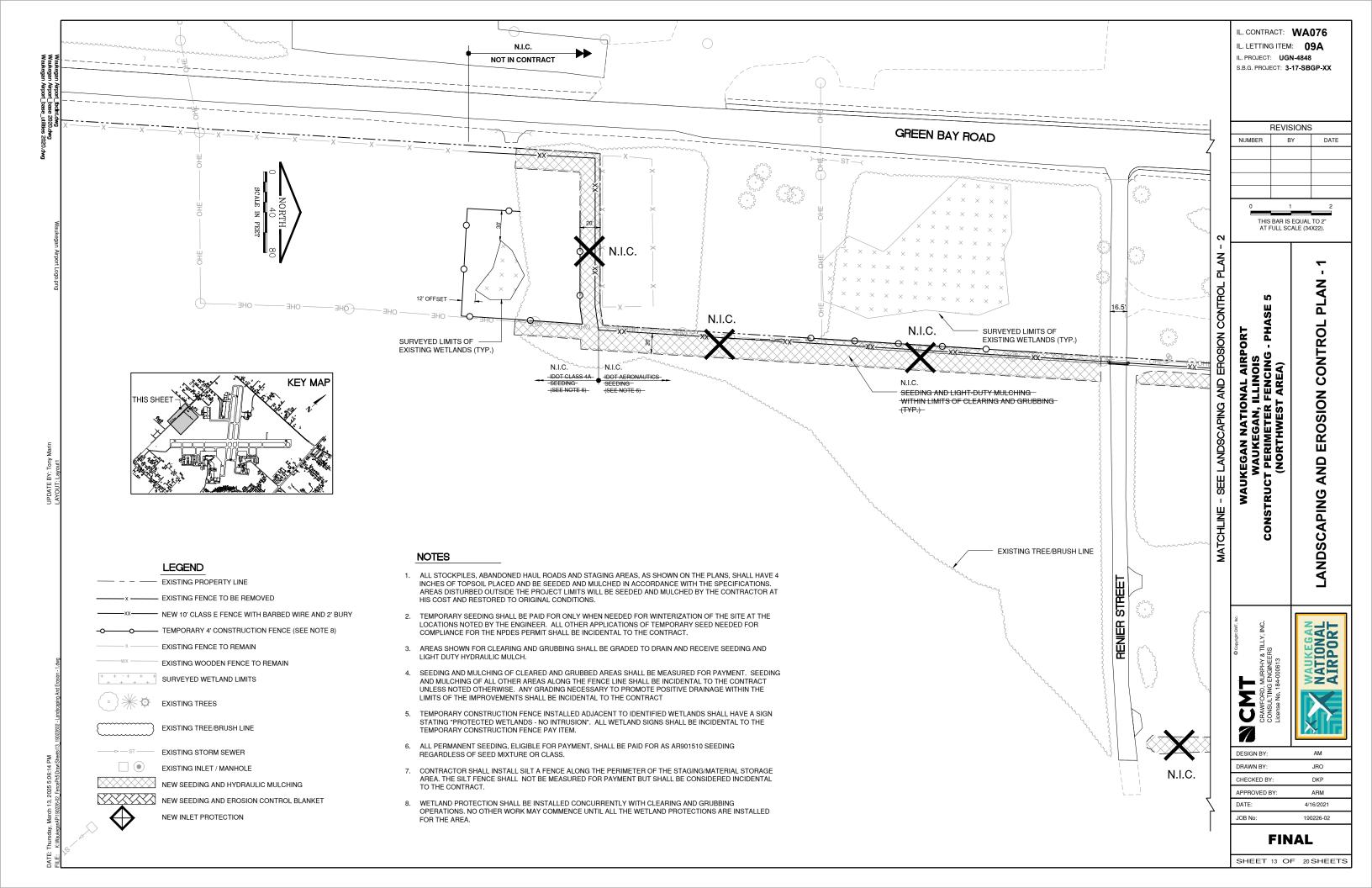


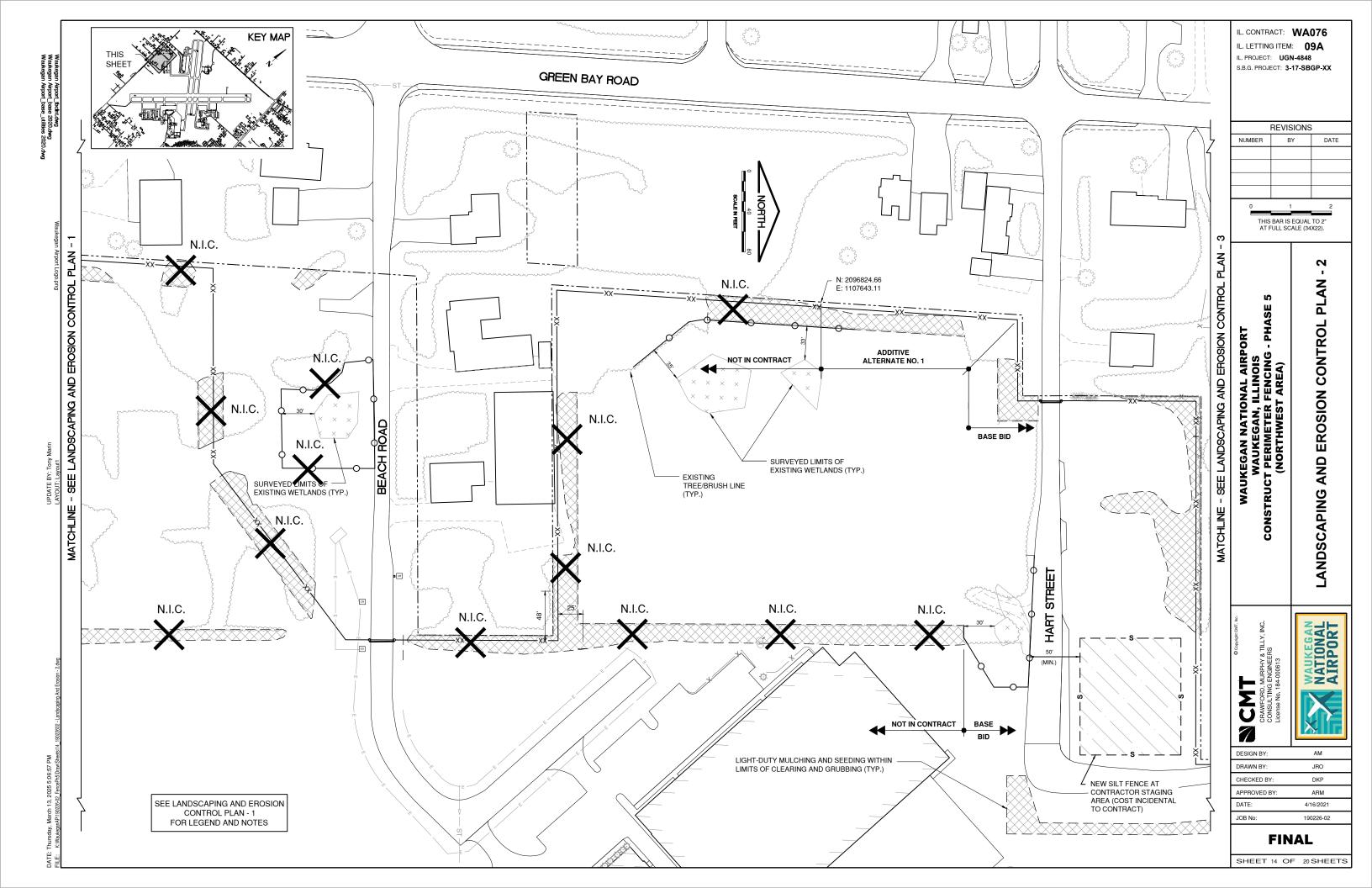


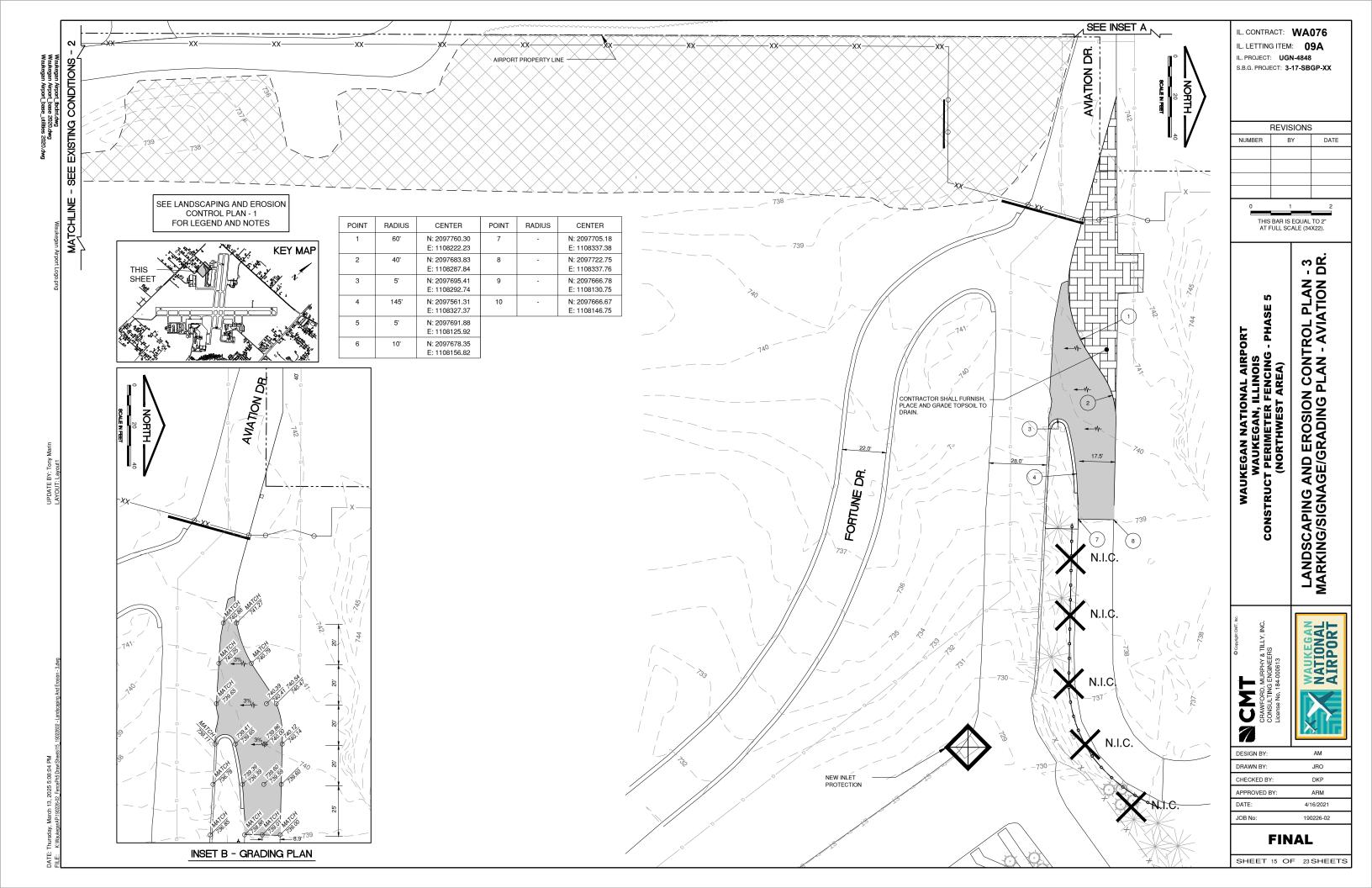












STORM WATER POLLUTION PREVENTION PLAN

THE POLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE WITH NPDES. THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES. TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIMEFRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER. THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING, WHICH WILL BE THE CONTRACTOR'S COST. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE PLANS.

SITE DESCRIPTION

THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THIS PROJECT CONSISTS OF CONSTRUCTING A NEW 10' SECURITY FENCE WITH A 2' BURIED WILDLIFE FENCING, DRAINAGE, CLEARING AND GRUBBING, INTERSECTION SECTION IMPROVEMENTS AT WALKEGAN NATIONAL AIRPO

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS EXCAVATION AND GRADING:

- 1. COMPLETE CLEARING AND GRUBBING
- 2 INSTALL WETLAND PROTECTION FENCING
- 3. INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES.
- 4 REMOVE EXISTING FENCE
- 5. CONSTRUCT TEMPORARY CONCRETE WASHOUT
- 6. INSTALL THE NEW FENCE POSTS AND DETERRENT FENCE EXCAVATION.
- 7. INSTALL NEW FENCE IMPROVEMENTS.
- 8. INSTALL NEW GATES
- 9. FINAL GRADING AND OTHER MISCELLANEOUS ITEMS.
- 10. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING AND BLANKET.

AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 8.5 ACRES OF WHICH 3.4 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, CLEARING AND GRUBBING AND OTHER ACTIVITIES

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS

- INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS AT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS
- 2. PROJECT PLAN DOCUMENTS, SPECIFICATION AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

THE CONSTRUCTION LOCATED IN DES PLANES RIVER WATERSHED. THE SITE DRAINS THROUGH A SERIES OF OVERLAND FLOW ROUTES/STORM SEWER INTO THE SUBURBAN COUNTRY CLUB TRIBUTARY THAT OUTLET INTO ULTIMATELY THE DES PLAINES

SEDIMENTATION AND EROSION CONTROL NOTES

THE SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER 1/2 INCH OF RAIN OR MORE BY

ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE REFERENCED FROM THE ILLINOIS URBAN MANUAL, UNLESS

THE DRAWINGS. SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE SEEDING AND MULCHING AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT. INLET PROTECTION AND PERIMETER SILT FENCE SHALL BE INSTALLED AS CALLED OUT IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION

DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION

- WITHIN THE CONSTRUCTION LIMITS. AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL
- EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTORS EXPENSE, IF THEY ARE TO REMAIN UNUSED FOR
- AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
- A. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS
- B. EXCAVATED AREAS AND EMBANKMENT AREAS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTOR'S COST, IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN DAYS.
- 4. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER, THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR UNCLASSIFIED EXCAVATION AND EROSION CONTROL ITEMS.
- THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS ARE SEEDED AND

ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED. TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

MAINTENANCE AFTER CONSTRUCTION

CONSTRUCTION IS COMPLETE AFTER FINAL ACCEPTANCE BY THE ILLINOIS DIVISION OF AERONAUTICS. MAINTENANCE UP TO THIS DATE WILL BE REQUIRED BY THE CONTRACTOR.

CONTRACTORS

- THE STORM WATER POLLUTION PREVENTION PLAN MUST CLEARLY IDENTIFY FOR EACH MEASURE IDENTIFIED IN THE PLAN, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT THE MEASURE, ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN THE PLAN MUST SIGN A COPY OF THE CERTIFICATION STATEMENT IN PARAGRAPH 2 BELOW IN ACCORDANCE WITH PART VI.G (SIGNATORY REQUIREMENTS) OF THIS PERMIT. ALL CERTIFICATIONS MUST BE INCLUDED IN THE STORM WATER POLITITION PREVENTION PLAN EXCEPT FOR OWNERS THAT ARE ACTING AS
- CERTIFICATION STATEMENT. ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN A STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH PARAGRAPH 1 ABOVE SHALL SIGN A COPY OF THE FOLLOWING CERTIFICATION STATEMENT BEFORE CONDUCTING ANY PROFESSIONAL SERVICE AT THE SITE IDENTIFIED IN THE STORM WATER

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (1LR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS

THE CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE IN ACCORDANCE WITH PART VI.G OF THIS PERMIT: THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTING FIRM: THE ADDRESS (OR OTHER IDENTIFYING DESCRIPTION) OF THE SITE: AND THE DATE THE CERTIFICATION IS MADE.

CONTRACTOR CERTIFICATION STATEMENT

THIS CERTIFICATION STATEMENT IS A PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR THE PROJECT DESCRIBED BELOW IN ACCORDANCE WITH NPDES PERMIT NO. ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

PROJECT INFORMATION

MARKED: CONSTRUCT PERIMETER FENCING - PHASE 5 (NORTHWEST AREA) ROUTE: WAUKEGAN NATIONAL AIRPORT SECTION: 31 PROJECT NUMBER: UGN-4848 CONTRACT NUMBER: __3-17-SBGP-156/152 COUNTY: LAKE

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (IL R10) THAT ALITHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION

PRINTED NAME: STREET ADDRESS: CITY, STATE, ZIP:_

THE INFORMATION WITHIN THIS BOX SHALL BE COMPLETED BY THE CONTRACTOR AFTER THE AWARD OF THE CONTRACT TO

ADDITIONAL NOTES

- PRIOR TO COMMENCING DEWATERING ACTIVITIES AND LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW AND INCLUSION INTO SWPPP.
- DURING DEWATERING OPERATION, WATER SHALL BE PUMPED FROM A SUMP PIT INTO SEDIMENT BASINS OR SILT TRAPS OR OTHER APPROVED BMP. COSTS OF SUMP PITS, SEDIMENT BASINS AND SILT TRAPS AND OTHER BMP ARE INCIDENTAL TO THE DEWATERING PAY ITEM. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL CURRENT EDITION FOUND AT ILLINOISMANUAL.ORG
- WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. TEMPORARY SEEDING (156) SHALL BE PAID FOR ONLY WHEN NEEDED FOR WINTERIZATION OF THE SITE AT THE LOCATIONS NOTED BY THE ENGINEER. ALL OTHER APPLICATIONS OF TEMPORARY SEED NEEDED FOR COMPLIANCE FOR THE NPDES PERMIT SHALL BE INCIDENTAL

LAKE COUNTY STORMWATER MANAGEMENT COMMISSION SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI).
- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- 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 AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA. 1 UNDERLAIN WITH FILTER FABRIC AND IN 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 PURILIC RIGHT, OF, WAY STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- F. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL BLINGEF FROM

ENFORCEMENT OFFICER

APPROPRIATE SEDIMENT CONTROL MEASURE.

- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) ALENDAR 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 FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURESAS APPROVED BY THE
- APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE
- SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN
- 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. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- IF INSTALLED SOIL FROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS EDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPA
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE. STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED
- 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

IL. CONTRACT: WA076 IL. LETTING ITEM: 09A IL. PROJECT: UGN-4848 S.B.G. PROJECT: 3-17-SBGP-XX

REVISIONS						
NUMBER BY DAT						

THIS BAR IS FOUAL TO 2" AT FULL SCALE (34X22)

> PLAN Ŋ **PREVENTION**

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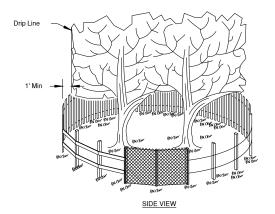
PHASE WAUKEGAN NATIONAL AIRPO WAUKEGAN, ILLINOIS STRUCT PERIMETER FENCING -(NORTHWEST AREA) **POLLUTION** CONSTRUCT STORMWATER

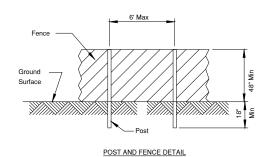
WAUKEGAN NATIONAL AIRPORT Συ

DESIGN BY AM DRAWN BY JRO DKP CHECKED BY APPROVED BY ARM DATE 4/16/2021 JOB No: 190226-02

FINAL

SHEET 16 OF 20 SHEETS





TREE TRUNK PROTECTION DETAIL

NOTES:

- THE FENCE SHALL BE LOCATED A MINIMUM OF 1 FOOT OUTSIDE THE DRIP LINE OF THE TREE TO BE SAVED AND IN NO CASE CLOSER THAN 5 $\,$ FEET TO THE TRUNK OF ANY TREE.
- 2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POSTS OR WOOD POSTS WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ. IN.
- 3. THE FENCE MAY BE EITHER 40" HIGH SNOW FENCE, 40" PLASTIC WEB FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE ENGINEER/INSPECTOR.
- 4. TREE TRUNK PROTECTION SHALL BE MEASURED AND PAID AS ITEM

OVERFLOW AREA HANDLES STAINLESS STEEL CLAMPING BAND FOR ALL RECTANGULAR AND CIRCULAR INLETS 2-PLY REPLACEABLE SEDIMENT BAGS W/ GEOTEXTILE FILTER

INLET PROTECTION - SILT BASKET (PAVEMENT AND TURF)

SEED TABLE

* NOTE: WHEN TEMPORARY SEEDING CAN NOT BE COMPLETED DUE TO APPLICATION WINDOW RESTRICTIONS CONTRACTOR SHALL APPLY A LIGHT-DUTY HYDRAULIC MULCH (1000 LB/ACRE

MINIMUM IN ITS PLACE. CONTRACTOR SHALL REAPPLY HYDRAULIC MULCH, AS NECESSARY, TO MINIMIZE EROSION (COST INCIDENTAL TO TEMPORARY SEEDING).

RATE (LB/ACRE)

100 LB/ACRE

100 LB/ACRE

SEED MIXTURE

INFERNO TALL FESCUE OR TARHEEL II FESCUE

ANNUAL RYEGRASS

AUDUBON BED FESCUE

ENDOPHYTIC FESCUE CULTIVAR

LITTLE BLUE STEM SIDE-OATS GRAMA

CANADA WILD BYE PRAIRIE DROPSEED ANNUAL RYEGRASS

OATS, SPRING

PERENNIAL RYEGRASS

OATS

(2000 LB/ACRE MINIMUM)

80% WOOD EXCELSIOR MAT WITH MINIMUM

6" FIBER WITH BIODEGRADBLE NETTING (MINIMUM WEIGHT 0.63 LB/SY)

MULCH TYPE

NOTES

CLASS - TYPE

IDOT AERONAUTICS

(PERMANENT SEEDING)

IDOT CLASS 4A

(PERMANENT SEEDING

TEMPORARY EROSION

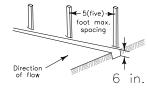
CONTROL SEEDING II

LIGHT-DUTY HYDRAULIC

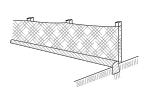
EROSION CONTROL BLANKET

- CONTRACTOR SHALL CLEAR DEBRIS PER THE MANUFACTURER'S RECOMMENDATIONS BUT NOT LESS THAN WHEN THE CAPACITY FOR SEDIMENT STORAGE HAS BEEN REDUCED BY HALF
- FILTER FABRIC SHALL MEET THE MATERIAL REQUIREMENTS OF SPECIFICATION 592, TABLE 1, CLASS 2 OF THE ILLINOIS URBAN MANUAL

deep trench upslope along the line of the post



3. Backfill and compact the excavated spoil materials



APPLICATION WINDOW

AUGUST 1 THRU NOVEMBER

MAY 15 TO JUNE 30 OCTOBER 15 TO DECEMBER

MARCH 1 THRU JULY 31 7

AUGUST 1 THRU NOVEMBER 15*

FERTILIZER MIX

PLAT (LB/ACRE)

90

NUTRIENT

NITROGEN

PHOSPHORUS (P205)

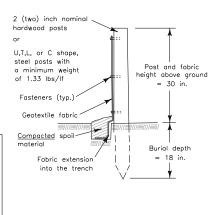
POTASSIUM (K20)

		III:>- IIII	
Geo	textile Requirement	Test Method	MARV
-1	o strength Aschine direction (-machine direction	ASTM D 4682	550 N 450 N
Pen	nittivity	ASTM D 4491	0.05 sec
App	arent opening size*	ASTM D 4751	0.60 mm
	eviolet stability Ilned strength)	ASTM D 4855	70% eifte 500 hour
	e: e for apparent openi. ege roll value.	rig size represents i	mexlmum

Attach the geotextile filter fabric to each post with a minimum of 3 (three) fasteners per post and

extend to the bottom of the trench.

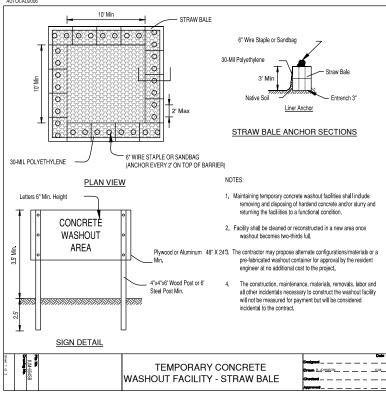
or wire ties

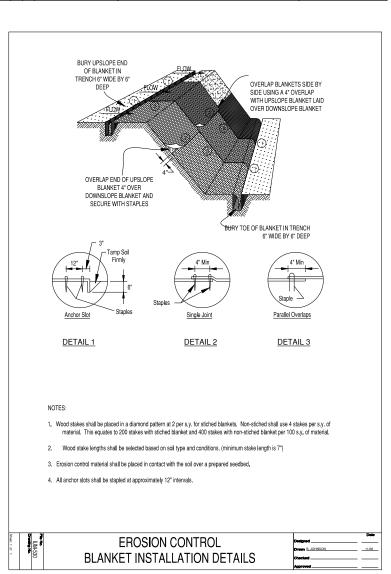


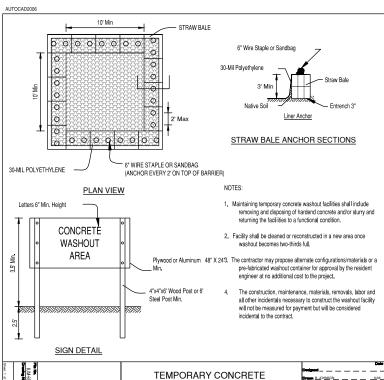
SILT FENCE DETAIL NOT TO SCALE

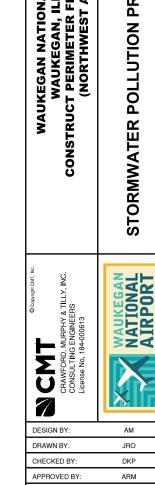
DEWATERING - FILTRATION BAG NOTES:

- 1. THE SEDIMENT FILTER BAG SHALL BE SIZED PER MANUFACTURER RECOMMENDATIONS AND BASED ON THE SIZE OF THE PUMP HOWEVER, THE MINIMUM BAG SIZE SHALL BE 10 FEET X 15 FEET WITH A USABLE SURFACE DRAINAGE AREA OF 300 SQUARE FEET (10 X 15 X 2) SIDES, TOP & BOTTOM.
- 2. THE LARGEST DIAMETER SIZE PUMP HOSE TO BE USED WITH A SEDIMENT FILTRATION BAG IS 4-INCH. MULTIPLE HOSES/PIPES SHALL NOT BE ATTACHED TO A SINGLE FILTRATION BAG INLET SLEEVE.
- 3. BAG FABRIC SHALL MEET ON OF THE FOLLOWING:
 - A. WOVEN GEOTEXTILE SHALL MEET THE MATERIAL SPECIFICATIPONS OF TABLE 1, CLASS 4 OF THE ILLINOIS URBAN MANUAL
 - B. NONWOVEN GEOTEXTILE SHALL MET THE MATIERIAL SPECIFICATIONS OF TABLE 2. CLASS I OF THE ILLINOIS URBAN MANUAL EXCEPT IT WILL HAVE A MINIMUM TENSILE STRENGTH OF 200 POUNDS.
- 4. SEDIMENT FILTRATION BAGS SHALL BE PLACED ON A STABILIZED SURFACE AREA.
- 5. SEDIMENT FILTRATION BAGS SHALL NOT BE PLACED. WHOLE OR PARTIALLY, WITHIN 50-FEET OF AQUATIC AREAS (WETLANDS, STREAMS, ETC.), OR WATER CONVEYANCE FEATURES (DITCHES, SWALES, ETC.).
- 6. SEDIMENT FILTRATION BAGS SHALL BE RAISED ABOVE THE SUPPORTING GROUND ON A SURFACE, OR MATERIAL, THAT ALLOWS WATER TO FLOW OUT OF THE BOTTOM OF THE BAG AT THE RESPECTIVE DESIGN DISCHARGE RATE FOR THE SEDIMENT FILTER BAG SELECTED. THE CONTRACTOR MAY PALCE THE BAG ON CELAN OPEN AGGREGATE (6" MINIMUM THICKNESS). STRAW BALES OR OTHER POROUS SURFACE APPROVED BY THE RESIDENT ENGINEER.
- 7 THE CONSTRUCTION MAINTENANCE MATERIALS REMOVALS AND DISPOSAL AND ALL OTHER INCIDENTALS NECESSARY TO CONSTRUCT THE DEWATERING FACILITY WILL NOT BE MEASURED FOR PAYMENT BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.









DATE

JOB No:

IL. CONTRACT: WA076 IL. LETTING ITEM: 09A

S.B.G. PROJECT: 3-17-SBGP-XX

REVISIONS

BY

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

D

PHASE

I NATIONAL AIRPO EGAN, ILLINOIS METER FENCING -THWEST AREA)

ORT

DATE

PREVENTION DETAILS

POLLUTION

STORMWATER

AM

JRO

4/16/2021

190226-02

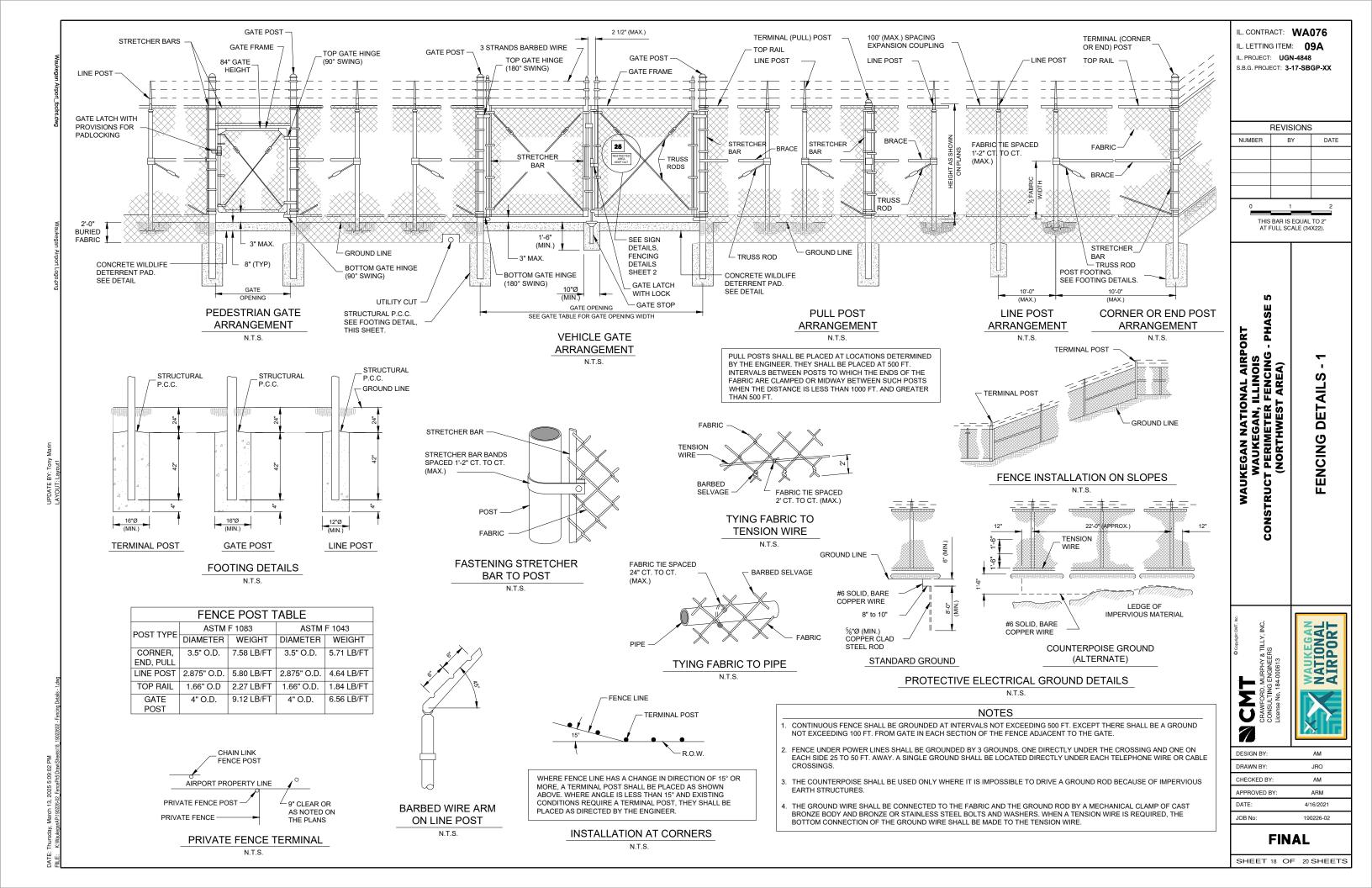
FINAL

SHEET 17 OF 20 SHEETS

IL. PROJECT: UGN-4848

NUMBER





FENCE INSTALLATION AT BUILDING FACE

			SIGNS		
	CONTRACTOR SHAI	L FURNISH AND I	NSTALL SIG	GNS AS INC	DICATED IN TABLE BELOW
	DIMENSIONS	BACKGROUND	LETTE	RING	
SIGN	WIDTH x HEIGHT	COLOR	COLOR	HEIGHT	TEXT
1	G	ATE NUMBER - SE	E DETAIL C	ON FENCIN	G DETAILS SHEET 2
2	24" x 18"	WHITE	RED	1.5"	FAA REGULATIONS REQUIRE
					THAT AFTER ENTERING OR
					EXITING THROUGH THIS
					SECURITY GATE YOU ARE
					REQUIRED TO WAIT UNTIL THE
					GATE CLOSES BEFORE
					PROCEEDING. FINES OR
					PENALTIES WILL BE IMPOSED.
3	18" x 12"	WHITE	RED	2-1/2"	RESTRICTED
					AREA
					KEEP OUT
4	WAR	IING SIGN - SEE D	ETAIL ON	CANTILEVE	R GATE DETAILS SHEET
	<u> </u>	<u> </u>			

NOTES

- 1. SIGNS #1, #2 AND #4 SHALL BE INSTALLED ON BOTH SIDES OF GATE. SIGN #3 SHALL BE INSTALLED ON "LAND" SIDE OF GATE.
- 2. ALL CANTILEVERED SLIDE GATES, BOTH MANUAL AND ELECTRIC OPERATION, SHALL HAVE ALL FOUR SIGNS INSTALLED, INCIDENTAL TO GATE INSTALLATION.
- 3. ALL SWING GATES SHALL HAVE SIGNS #1 AND #3 INSTALLED. INCIDENTAL TO GATE INSTALLATION.

GENERAL NOTES - GATE SIGNS

- SIGNS OTHER THAN THOSE SHOWN ABOVE THAT ARE AFFIXED TO EXISTING GATES SHALL BE REMOVED AND TRANSFERRED TO THE NEW GATE AT THE COMPLETION OF THE GATE INSTALLATION. COST INCIDENTAL TO NEW GATE.
- SEE CANTILEVER GATE DETAILS SHEET FOR REQUIREMENTS FOR GATE CONSTRUCTION AND INSTALLATION.

TERMINAL **TERMINAL** POST GROUND LINE **INSTALLATION ON SLOPES**

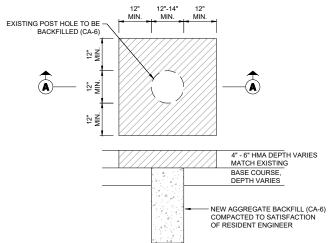
END POST ASSEMBLY END POST EXTRA LENGTH POSTS WHERE NECESSARY (MIN.)

THE CHAIN LINK FABRIC SHALL BE EXTENDED TO MAINTAIN A MINIMUM BURIED DEPTH OF 18". ADDITIONAL FABRIC MAY BE ATTACHED TO EXTEND TO THE DEPTH REQUIRED. (COST INCIDENTAL TO NEW FENCE)

ELEVATION FENCE INSTALLATION OVER STREAM OR SWALES

ITEM 610 PCC. SLOPE TO DRAIN NEW PCC FOUNDATION AND FENCE POST CHAMFERED EDGE, TYPICAL ALL FOUR SIDES 12"-14" TYP. 12" MIN

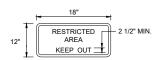
NEW FENCE POST



FENCE/GATE POST HOLE REPAIR IN EXISTING HMA PAVEMENT

NOTES:

- THE COST ASSOCIATED WITH FILLING THE VOID LEFT BY THE FENCE REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATE REMOVAL PAY ITEM.
- REPLACEMENT OF EXISTING ASPHALT PAVEMENT OF DEPTH TO MATCH EXISTING SHALL BE INCIDENTAL TO THE ASSOCIATED PAY ITEM.
- 3. COMPACT NEW ASPHALT TO THE SATISFACTION OF THE RESIDENT ENGINEER.





SIGN DETAILS

NOTES:

SLOPE TO

4" - 6" HMA AND VARIES

BASE COURSE

DEPTH VARIES

DETAILS ON FENCING

DETAILS SHEET

TYP.

SECTION A-A

NEW FENCE/GATE POST FOUNDATION

IN EXISTING HMA PAVEMENT

NEW FENCE POSTS SHALL BE LOCATED AT THE LOCATION OF

3. THE TOP OF THE NEW FOUNDATION SHALL BE SLOPED TO DRAIN,

4. THE EDGES OF THE NEW FOUNDATION SHALL BE CHAMFERED

5 THE COSTS ASSOCIATED WITH INSTALLATION OF NEW FENCE

POSTS IN EXISTING HMA PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE NEW FENCE/GATE PAY ITEM.

N.T.S.

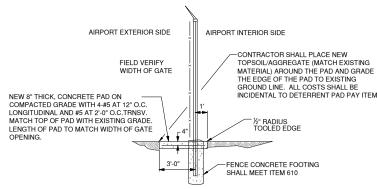
2. EXISTING POST HOLES SHALL BE AUGURED CLEAN AFTER REMOVAL OF THE EXISTING FOUNDATION.

ROWELED AND BROOMED.

WITH A MINIMUM 1/4" EDGER.

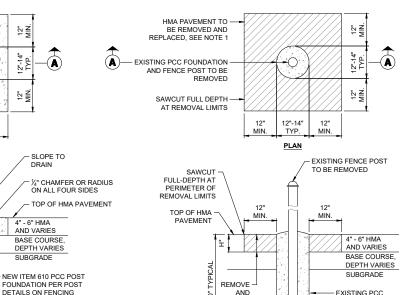
SUBGRADE

- EACH PEDESTRIAN OR VEHICLE SWING GATE SHALL REQUIRE ONE "RESTRICTED" SIGN AND ONE "NUMBER" SIGN. AIRPORT SHALL PROVIDE GATE NUMBER. EVERY 100' OF FENCE SHALL REQUIRE ONE "RESTRICTED" SIGN, COST INCIDENTAL TO FENCE.
- 2. 0.08 GA ALUMINUM ALLOY SHEET. LETTERING SHALL BE RED ON A WHITE
- 3. CANTILEVERED SLIDE GATES SHALL INCLUDE TWO ADDITIONAL SIGNS AS DETAILED ON THE CANTILEVER GATE DETAIL SHEETS.



TYPICAL WILDLIFE DETERRENT **CONCRETE PAD AT GATES**

N.T.S.



FENCE/GATE POST REMOVAL IN HMA PAVEMENT

12" - 14' TYP.

SECTION A-A

1. HMA PAVEMENT TO BE REMOVED FULL DEPTH

REPLACE

2. BASE COURSE AND/OR SUBGRADE TO BE REMOVED SUCH THAT THE DEPTH "H" IS A MINIMUM OF 6 INCHES.

FOUNDATION TO BE REMOVED

- WHEN THE NEW FENCE ROUTE IS THE SAME AS THE OLD FENCE ROUTE, NEW FENCE SHALL REUSE EXISTING POST HOLES. SEE DETAIL FOR NEW FENCE POST FOUNDATION IN EXISTING HMA PAVEMENT
- COSTS OF PAVEMENT AND FOUNDATION REMOVAL, SAW CUTTING, CLEANUP AND DISPOSAL, SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED REMOVAL PAY ITEM
- AT THE CONTRACTOR'S OPTION AND AT NO ADDITIONAL COST TO THE CONTRACT. THE CONTRACTOR MAY REMOVE A "STRIP" OF ASPHALT PAVEMENT ALONG THE FENCELINE, TO BE REPLACED IN KIND AFTER FENCELINE REMOVAL
- REPLACEMENT OF EXISTING ASPHALT PAVEMENT OF DEPTH TO MATCH EXISTING SHALL BE INCIDENTAL TO THE ASSOCIATED PAY ITEM.

IL. CONTRACT: WA076 IL. LETTING ITEM: 09A

IL. PROJECT: UGN-4848 S.B.G. PROJECT: 3-17-SBGP-XX

REVISIONS NUMBER BY DATE

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

S PHASE <u>တ</u> 2 FENCIN TAREA) **DETAILS** WAUKEGAN NATION WAUKEGAN, IL TRUCT PERIMETER FI (NORTHWEST 4

ENCING

NATIONAL AIRPORT GAN, ILLINOIS

NSTRUCT

ΣU

DESIGN BY AM DRAWN BY JRO CHECKED BY AM APPROVED BY ARM 4/16/2021 JOB No: 190226-02

FINAL

SHEET 19 OF 20SHEETS

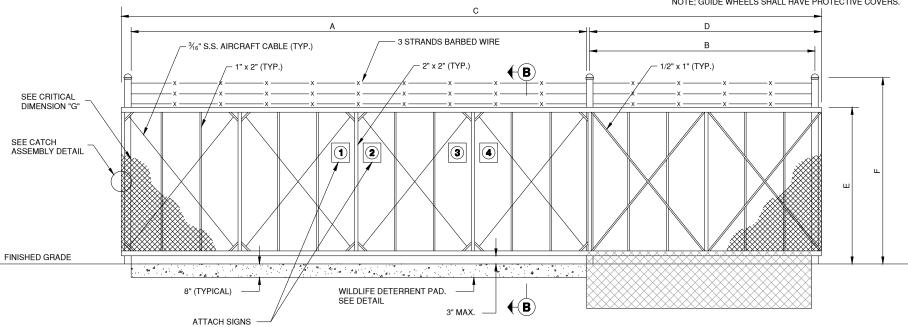
4" O.D. POST W4 TRUCK GATE FRAME STANDARD NUT LOCK NUT %" HOLES LOCKING HANDLE

GATE HANGER ASSEMBLY N.T.S.

4" O.D. POST **GUIDE WHEELS** BOTTOM GUIDE BRACKET

STANDARD BOTTOM GUIDE ASSEMBLY

NOTE; GUIDE WHEELS SHALL HAVE PROTECTIVE COVERS.



CANTILEVER SLIDE GATE

ELEVATION

LOCATIONS DETAILS AND CHARACTER OF EQUIPMENT SHOWN ON THIS SHEET ARE GENERIC. EQUIPMENT LOCATIONS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

MANUAL SLIDE GATE NOTES:

CANTILEVERED GATE SHALL BE SUFFICIENTLY RIGID TO WITHSTAND FLEXING OR BENDING DURING WINDY CONDITIONS. CONTRACTOR SHALL PROVIDE STIFFENERS, STRUCTURAL SHAPES IN EXCESS OF THE MINIMUM SPECIFIED DIMENSIONS OR ADDITIONAL ROLLERS AND POSTS SUFFICIENT TO PREVENT DISPLACEMENT OF THE GATE BY WIND OR BY UNAUTHORIZED PERSONNEL

(TYP) SEE SIGN

DETAILS AND **GENERAL NOTES**

- 2. CONTRACTOR SHALL PROVIDE AND INSTALL GATE AS A COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: GATE, POSTS, AND ALL CONNECTIONS, SIGNS, LABOR AND MATERIALS NECESSARY FOR COMPLETE OPERATION.
- 3. THE FABRIC TYPE & FINISH OF THE GATE SHALL MATCH THE PROPOSED FENCE OR BE AS DIRECTED BY THE ENGINEER.

CATCH ASSEMBLY DETAIL

- 4. ALL SLIDING GATES SHALL HAVE ALL ROLLERS ENCLOSED IN STEEL OR PLASTIC SHROUDS TO PREVENT ACCIDENTAL INJURY.
- 5. 3 STRANDS OF BARBED WIRE ON TOP OF GATE NOT SHOWN TO IMPROVE CLARITY.
- SEE FENCING DETAILS SHEET 2 FOR SIGN DETAILS.



Injury or Death KEEP CLEAR! Gate may move at any

me without prior warning. Do not let children operate the gate or play in the gate area.

This entrance is for vehicles only destrians must use separate entran

WARNING SIGN DETAIL

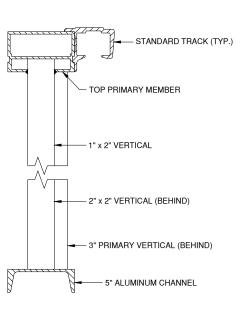
N.T.S.

	CRITICAL DIMENSIONS						
Α	CLEAR OPENING	16'-0"	20'-0"	24'-0"	28-0"		
В	COUNTER BALANCE POST SPACING, CENTER TO CENTER	7'-1"	9'-1"	11'-1"	13'-1"		
С	OVERALL GATE LENGTH	24'-0"	30'-0"	36'-0"	42'-0"		
D	COUNTERBALANCE LENGTH	8'-0"	10'-0"	12'-0"	14'-0"		
Е	NOMINAL GATE HEIGHT	10'-0"	10'-0"	10'-0"	10'-0"		
F	POST HEIGHT	11'-6"	11'-6"	11'-6"	11'-6"		
G	FABRIC HEIGHT	9'-0"	9'-0"	9'-0"	9'-0"		

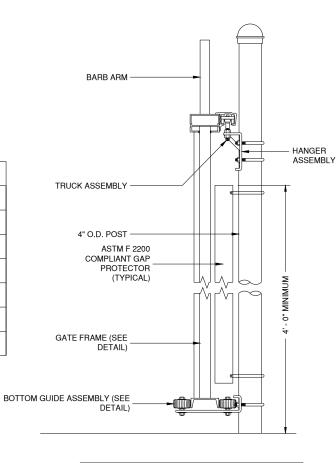
UL 235 COMPLIANCE NOTES

GATE INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF UL 235, INCLUDING, BUT NOT LIMITED TO:

- ALL OPENINGS OF THE SLIDE GATE ARE GUARDED OR SCREENED FROM THE BOTTOM OF THE GATE TO A MINIMUM OF 4 FEET ABOVE GROUND TO PREVENT A 2-1/4" DIAMETER SPHERE FROM PASSING THROUGH THE OPENINGS ANYWHERE IN THE GATE, AND IN THAT PORTION OF THE ADJACENT FENCE THAT THE GATE COVERS IN THE OPEN POSITION.
- ALL EXPOSED PINCH POINTS ARE ELIMINATED OR GUARDED AND GUARDING IS SUPPLIED FOR ALL EXPOSED ROLLERS.
- 3. A WARNING SIGN (SEE DETAIL, THIS SHEET) MUST BE AFFIXED TO BOTH SIDES OF THE SLIDE GATE, BOTH MANUAL AND ELECTRIC.



GATE FRAME SECTION



EXTRUSIONS SHALL BE OVERSIZED FOR EXTRA RIGIDITY OVER "STANDARD" GATE DESIGN.

> **SECTION B-B** (TYPICAL ALL GATES)

IL. CONTRACT: WA076 IL. LETTING ITEM: 09A IL. PROJECT: UGN-4848 S.B.G. PROJECT: 3-17-SBGP-XX

REVISIONS NUMBER BY DATE

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CONSTRUCT

WAUKEGAN NATIONAL AIRPORT WAUKEGAN, ILLINOIS RUCT PERIMETER FENCING - PH (NORTHWEST AREA) **DETAILS** GATE **CANTILEVER**

LEU

DESIGN BY AM DRAWN BY JRO CHECKED BY AM ARM DATE: 4/16/2021 JOB No: 190226-02

FINAL

SHEET 20 OF 20 SHEETS