

# WAUKEGAN PORT DISTRICT WAUKEGAN, LAKE COUNTY, ILLINOIS

## CONSTRUCTION PLANS FOR WAUKEGAN NATIONAL AIRPORT

### REMOVE TREES IN EXISTING APPROACH AND TRANSITIONAL ZONES FOR RUNWAY 5/23, PHASE 3

ILLINOIS PROJECT: UGN-4974  
S.B.G. PROJECT: 3-17-SBGP-TBD

JUNE 10, 2022

**811** Know what's below.  
Call before you dig.  
J.U.L.I.E.  
JOINT UTILITY LOCATING  
INFORMATION FOR EXCAVATORS  
www.illinois1call.com

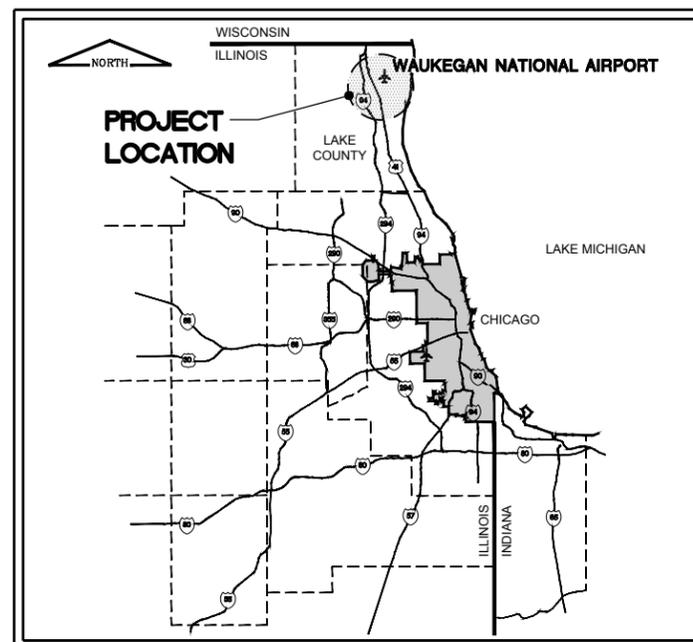
THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE. SUFFICIENT OR COMPLETE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ACTUAL LOCATIONS OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND 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 ADDITIONAL COST TO THE CONTRACT.

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

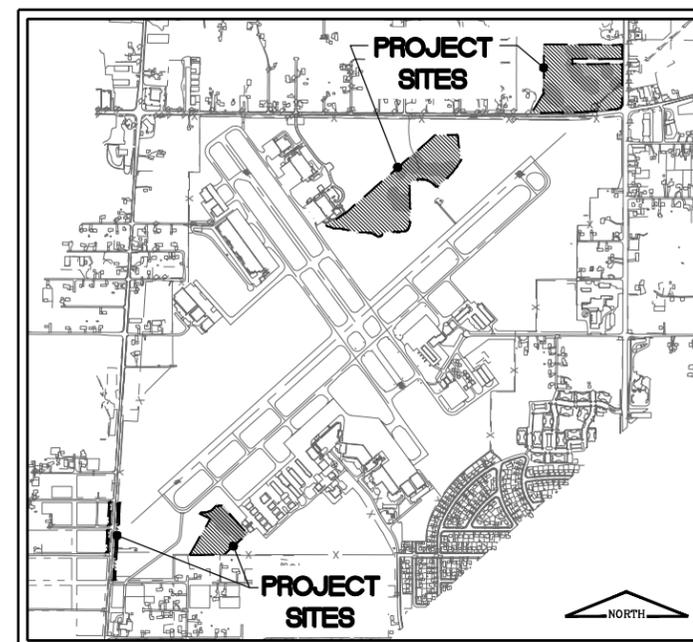


WAUKEGAN NATIONAL AIRPORT  
WAUKEGAN PORT DISTRICT  
2601 Plane Rest Drive  
Waukegan, Illinois 60087  
Telephone: 847.244.0055  
Fax: 847.244.3813

APPROVED BY   
SKIP GOSS, GENERAL MANAGER  
DATE JUNE 10 2022



LOCATION MAP



SITE PLAN

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)

**CMT**  
CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS  
License No. 184-000613

© Copyright CMT, Inc.

21004101.00



SUBMITTED BY   
CRAIG LOUDON, P.E.  
DATE JUNE 10 2022

### INDEX TO SHEETS

SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	INDEX TO SHEETS/SUMMARY OF QUANTITIES
3	SITE PLAN
4	SEQUENCE OF CONSTRUCTION PLAN
5	SEQUENCE OF CONSTRUCTION PLAN NOTES - 1
6	SEQUENCE OF CONSTRUCTION PLAN NOTES - 2
7	EXISTING CONDITIONS 1
8	EXISTING CONDITIONS 2
9	EXISTING CONDITIONS 3
10	STORMWATER POLLUTION PREVENTION PLAN
11	STORMWATER POLLUTION PREVENTION PLAN NOTES
12	STORMWATER POLLUTION PREVENTION PLAN DETAILS

### SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT	FIELD QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	1	L SUM	
AR150520	MOBILIZATION	1	L SUM	
AR151410	CLEARING	11.7	ACRE	
AR151430	CLEARING TREES 2.5'-5' BUTT. DIA.	10	EACH	
AR151450	CLEARING AND GRUBBING	29.6	ACRE	
AR156510	SILT FENCE	11,625	FOOT	
AR156520	INLET PROTECTION	15	EACH	
AR156531	EROSION CONTROL BLANKET	3,000	SQ YD	
AR901510	SEEDING	30.8	ACRE	
AR908515	HEAVY-DUTY HYDRAULIC MULCH	29.6	ACRE	
AR910915	REMOVE ROADWAY SIGN	1	EACH	

IL. CONTRACT: **WA077**  
IL. LETTING ITEM: **11A**  
IL. PROJECT: **UGN-4974**  
S.B.G. PROJECT: **3-17-SBGP-TBD**

#### REVISIONS

NUMBER	BY	DATE

0 1 2  
THIS BAR IS EQUAL TO 2"  
AT FULL SCALE (34X22).

**WAUKEGAN NATIONAL AIRPORT  
WAUKEGAN, ILLINOIS  
REMOVE TREES IN EXISTING APPROACH AND  
TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3**

**INDEX TO SHEETS/SUMMARY OF QUANTITIES**

© Copyright CMT, Inc.  
**CMT**  
CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS  
License No. 184-000613



DESIGN BY: MFZ  
DRAWN BY: JRO  
CHECKED BY: CAL  
APPROVED BY: CAL  
DATE: 5/13/2022  
JOB No: 21004101-00

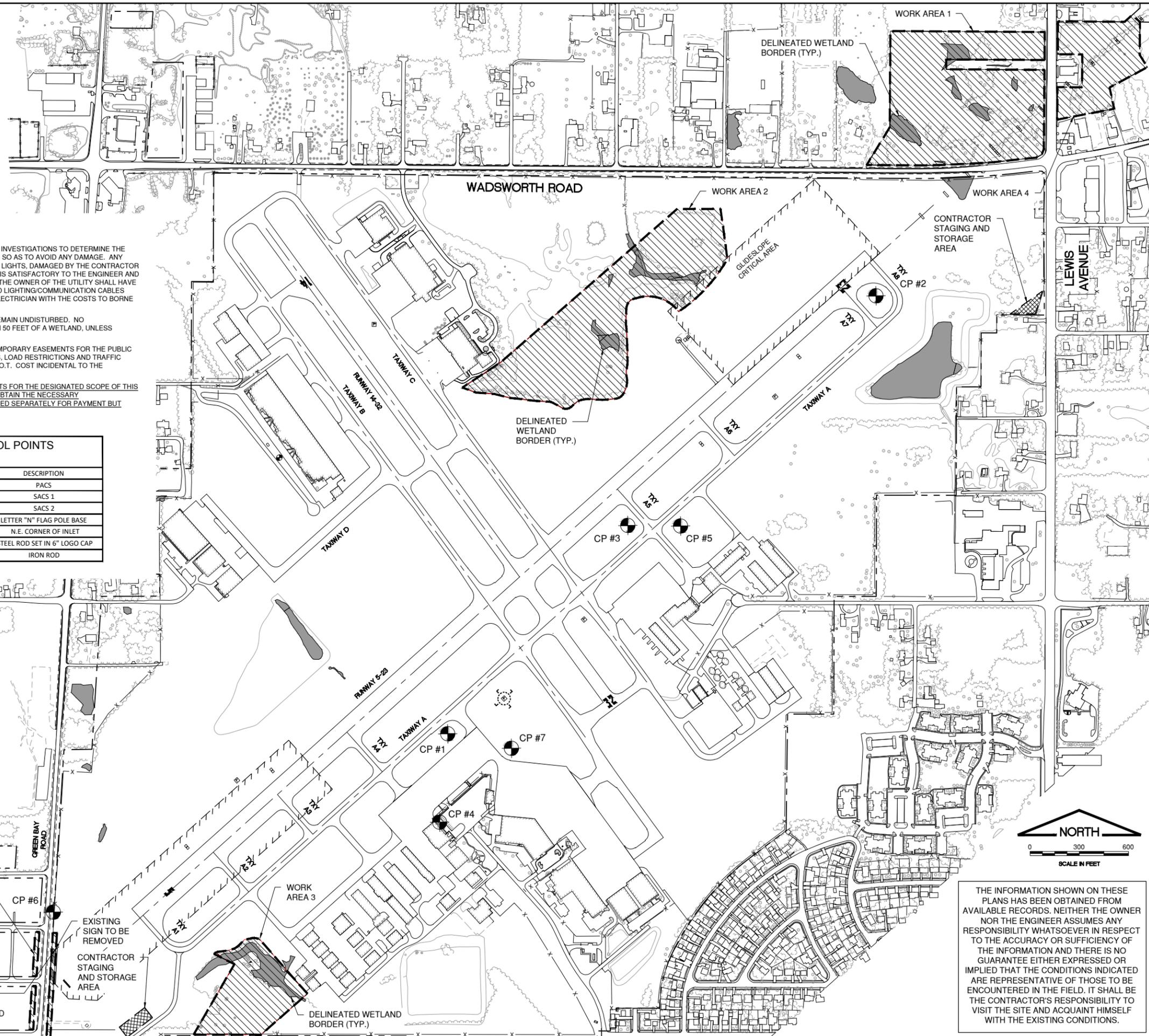
**LEGEND**

- EXISTING PROPERTY LINE
- PROPOSED PROJECT LIMITS
- EXISTING WETLANDS
- EXISTING TREE
- EXISTING TREE LINE
- BM #1
- HORIZONTAL AND VERTICAL CONTROL
- CONTRACTOR STAGING AND STORAGE AREA

**GENERAL NOTES**

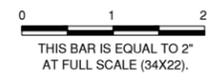
1. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATIONS TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS SO AS TO AVOID ANY DAMAGE. ANY UTILITY, INCLUDING AIRFIELD ELECTRIC/COMMUNICATIONS CABLES AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED 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/COMMUNICATION CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BORNE BY THE CONTRACTOR.
2. UNLESS SHOWN ON THE PLAN SHEETS, ALL OTHER WETLANDS SHALL REMAIN UNDISTURBED. NO EQUIPMENT/MATERIAL STORAGE OR STOCKPILING SHALL OCCUR WITHIN 50 FEET OF A WETLAND, UNLESS OTHERWISE SHOWN.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND/OR TEMPORARY EASEMENTS FOR THE PUBLIC ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL REQUIREMENTS, LOAD RESTRICTIONS AND TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP OR I.D.O.T. COST INCIDENTAL TO THE CONTRACT.
4. CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DESIGNATED SCOPE OF THIS PROJECT. ALL FEES AND CHARGES INCURRED BY THE CONTRACTOR TO OBTAIN THE NECESSARY PERMITS/PERMISSIONS TO PERFORM THE WORK SHALL BE NOT MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE **INCIDENTAL TO CONTRACT**.

HORIZONTAL / VERTICAL CONTROL POINTS (DATUM: NAD83)				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2095587.45	1109729.57	705.1	PACS
2	2098251.56	1112341.32	717.6	SACS 1
3	2096854.67	1110827.41	709.1	SACS 2
4	2095049.83	1109680.06	707.51	LETTER "N" FLAG POLE BASE
5	2096851.37	1111149.48	709.47	N.E. CORNER OF INLET
6	2094502.44	1107324.04	721.34	STEEL ROD SET IN 6" LOGO CAP
7	2095499.38	1110118.01	708.29	IRON ROD



IL CONTRACT: **WA077**  
 IL LETTING ITEM: **11A**  
 IL PROJECT: **UGN-4974**  
 S.B.G. PROJECT: **3-17-SBGP-TBD**

REVISIONS		
NUMBER	BY	DATE



**WAUKEGAN NATIONAL AIRPORT  
 WAUKEGAN, ILLINOIS  
 REMOVE TREES IN EXISTING APPROACH AND  
 TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3  
 SITE & PROJECT CONTROL PLAN**

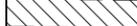
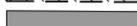
© copyright CMT, Inc.

**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 184-000613

DESIGN BY:	MFZ
DRAWN BY:	JRO
CHECKED BY:	CAL
APPROVED BY:	CAL
DATE:	5/13/2022
JOB No:	21004101-00

THE INFORMATION SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION AND THERE IS NO GUARANTEE EITHER EXPRESSED OR IMPLIED THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS.

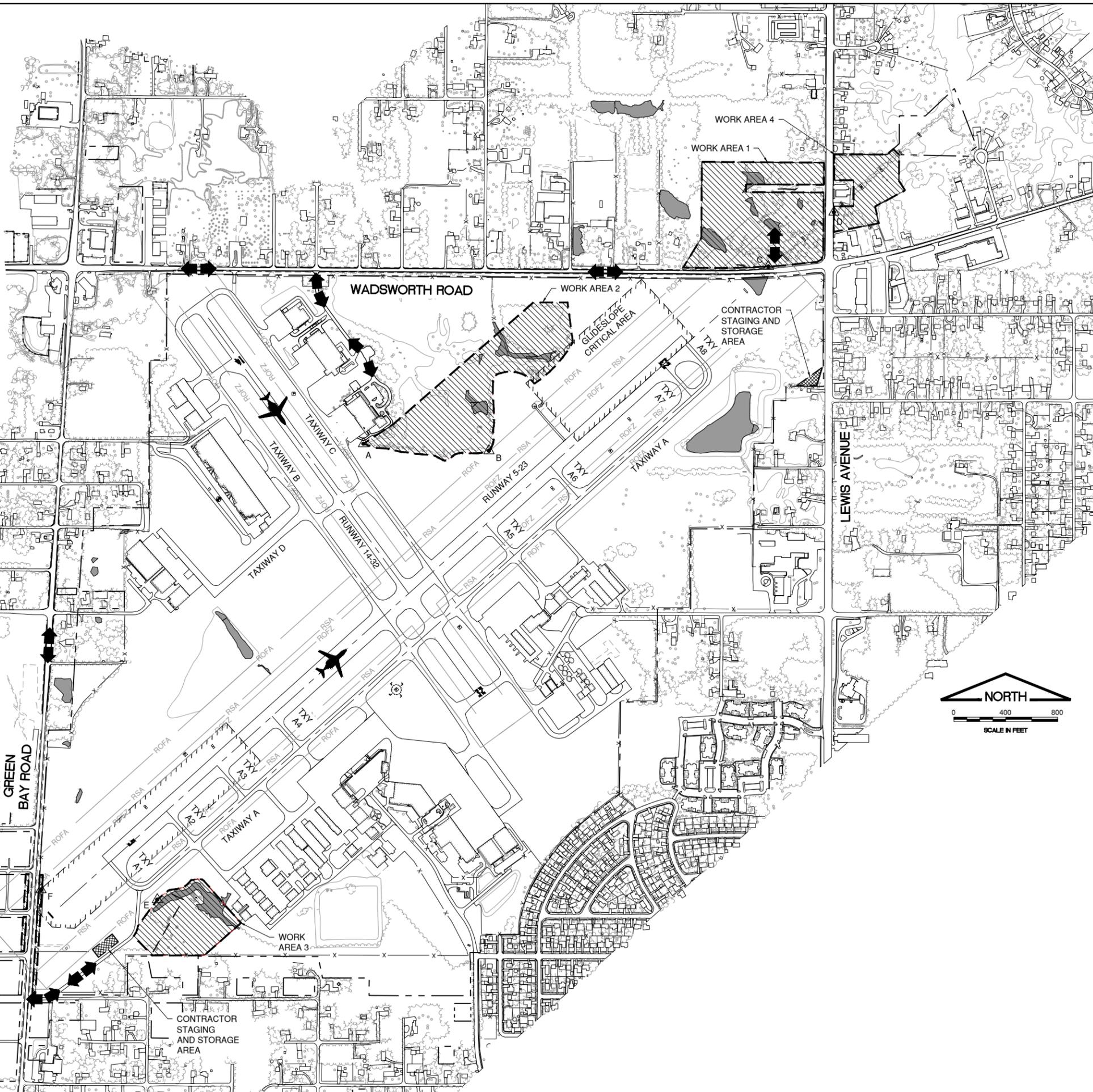
**LEGEND**

-  EXISTING PROPERTY LINE
-  PROPOSED PROJECT LIMITS
-  EXISTING WETLANDS
-  EXISTING TREE
-  EXISTING TREE LINE
-  CONTRACTOR STAGING AND STORAGE AREA
-  CONTRACTOR'S ACCESS ROUTE
-  AIRCRAFT MOVEMENT AREA

ALL RUNWAYS WILL BE OPEN FOR THE DURATION OF THE PROJECT

**CRITICAL POINTS**

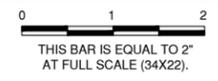
POINT #	LATITUDE	LONGITUDE	ELEVATION
A	N042° 25' 28.84"	W87° 52' 05.74"	720.0'
B	N042° 25' 28.26"	W87° 52' 52.84"	708.0'
C	N042° 25' 42.14"	W87° 52' 23.99"	698.0'
D	N042° 25' 46.23"	W87° 52' 17.22"	690.0'
E	N042° 24' 54.28"	W87° 52' 27.20"	716.0'
F	N042° 24' 55.08"	W87° 52' 39.15"	715.0'



IL CONTRACT: **WA077**  
IL LETTING ITEM: **11A**  
IL PROJECT: **UGN-4974**  
S.B.G. PROJECT: **3-17-SBGP-TBD**

**REVISIONS**

NUMBER	BY	DATE



**WAUKEGAN NATIONAL AIRPORT  
WAUKEGAN, ILLINOIS  
REMOVE TREES IN EXISTING APPROACH AND  
TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3  
SEQUENCE OF CONSTRUCTION**

**CMT**  
CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS  
License No. 184-000613



DESIGN BY:	MFZ
DRAWN BY:	JRO
CHECKED BY:	CAL
APPROVED BY:	CAL
DATE:	5/13/2022
JOB No:	21004101-00

6/MP/10/CPH-JEB/SP/NEW

GENERAL

- 1. 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.
2. PRIOR TO THE NOTICE TO PROCEED, THE CONTRACTOR SHALL 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.
3. THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL AND MEETING OSHA REQUIREMENTS.
4. A MINIMUM OF 10 DAYS PRIOR TO THE NOTICE TO PROCEED THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS.
5. ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

1. COORDINATION

- 1. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE AIRPORT, RESIDENT ENGINEER, AND ILLINOIS DIVISION OF AERONAUTICS (IDA). THE COST OF PREPARING FOR AND ATTENDING THE PRE-CONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT.
2. 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.
3. 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

- 1. TOTAL CONTRACT TIME SHALL BE XX CALENDAR DAYS.
2. WORK SHALL BE COMPLETED UNDER ONE PHASE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN (CAP) SHEETS.
3. WORK AREAS AND DESCRIPTIONS
COMPLETE INITIAL MOBILIZATION, STAGING AREA PREPARATION LAYOUT, WETLAND PROTECTIONS AND INITIAL EROSION CONTROL MEASURES. CLEAR AND GRUB TREES.
UPON COMPLETION OF CLEARING AND GRUBBING OPERATIONS, COMPLETE LANDSCAPING AND GENERAL IMPROVEMENTS.
4. RESTRICTIONS
CLEARING AND GRUBBING OF TREES
NO CUTTING OR TRIMMING OF TREES SHALL OCCUR BETWEEN APRIL 1 AND SEPTEMBER 30, BOTH DAYS INCLUSIVE, DUE TO POTENTIAL IMPACT TO THE NORTHERN LONG EARED BAT.

5. 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.

3. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

- 1. ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED ON THE PHASING PLAN.
2. 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.
3. ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

4. NAVAIDS THAT COULD BE AFFECTED

- 1. 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. EDGE 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.
3. 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 DAMAGE.
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. IF CONTRACTOR CAUSES 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

- 1. CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. 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.
3. 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.
4. CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE MARKED AND FLAGGED PER SECTION 70-10 OF THE STANDARD SPECIFICATIONS. MAXIMUM HEIGHT OF CONTRACTOR'S EQUIPMENT WILL BE 25'.
5. 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.
6. 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.
7. THE CONTRACTORS STORAGE AND STAGING AREAS WILL BE AS SHOWN ON THE SITE PLAN.
8. 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.
9. WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREAS.
10. 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 TURF 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 RUNWAYS, 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 UTILIZED 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 BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
15. ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.
16. THE CONTRACTOR SHALL NOTIFY THE AIRPORT IF CONSTRUCTION ACTIVITY WILL REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT.

6. WILDLIFE MANAGEMENT

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

7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

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

8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

- 1. 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

- 1. THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
2. 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.
3. 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.
4. 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

- 1. THE CONTRACTOR SHALL INSPECT THE JOBSITE 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.
2. THE CONTRACTOR SHALL REQUEST OPERATIONAL INSPECTION OF EACH PHASE WORK AREA PRIOR TO THE AREA BEING REOPENED. THE AIRPORT WILL DETERMINE IF THE WORK AREA IS ALLOWED TO BE OPENED.

11. UNDERGROUND UTILITIES

- 1. 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.
2. 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

- 1. NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES 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

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

IL. CONTRACT: WA077

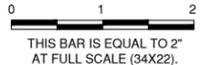
IL. LETTING ITEM: 11A

IL. PROJECT: UGN-4974

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

REVISIONS

Table with 3 columns: NUMBER, BY, DATE. Multiple empty rows for revisions.



WAUKEGAN NATIONAL AIRPORT

WAUKEGAN, ILLINOIS
REMOVE TREES IN EXISTING APPROACH AND TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3

CONSTRUCTION ACTIVITY PLAN NOTES - 1

DATE: Wednesday, June 15, 2022 1:18:37 PM
FILE: K:\Waukegan\2104101-300\_CorRemoval\3-Draw\Sheets\210410109-Sequence Plan Notes - 1.dwg

© Copyright CMT, Inc.



CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000613



Table with 2 columns: Field Name, Value. Fields include DESIGN BY (MFZ), DRAWN BY (JRO), CHECKED BY (CAL), APPROVED BY (CAL), DATE (5/13/2022), JOB No. (21004101-00)

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 ACTIVITY PLAN.
- 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

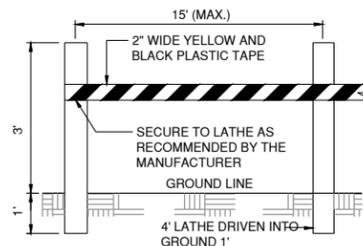
- WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL AREA LIGHTING TO ALLOW FOR PROPER CONSTRUCTION METHODS AND INSPECTION.
- LIGHTS SHALL CONSIST OF VEHICLE OR MOVABLE POLE MOUNTED FLOODLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE 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

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

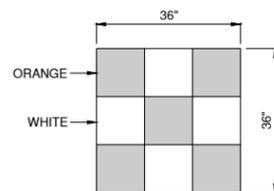
19. OTHER LIMITATIONS ON CONSTRUCTION

- 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.



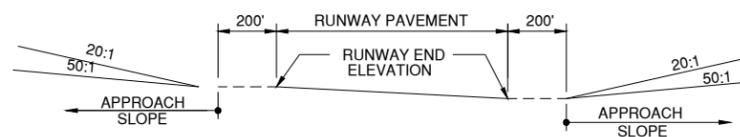
LATHING AND WARNING TAPE DETAIL

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

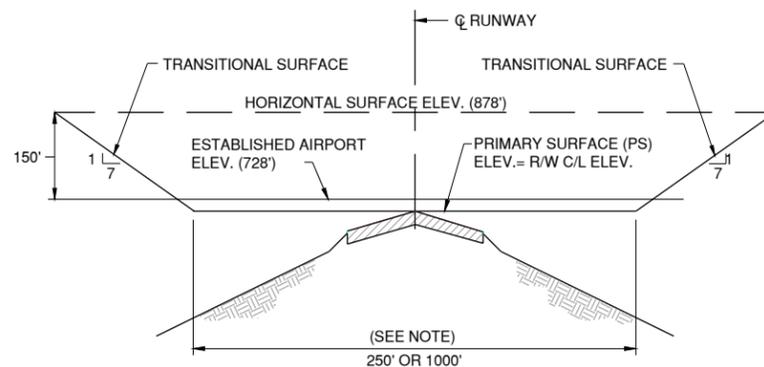
NOT TO SCALE



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

NO SCALE

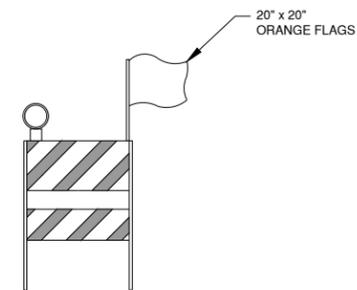
RUNWAY END	ELEVATION	APPROACH SLOPE
5	724.7	34:1
23	723.1	50:1
14	727.6	20:1
32	712.1	20:1



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)

NOT TO SCALE

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 ROTATED 90°.
- SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
- NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 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.
- 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 INCREASE VISIBILITY OF ROPE/CABLE.
- 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

- REHABILITATE AIRFIELD LIGHTING - PHASE 1 AND 2

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: WA077

IL LETTING ITEM: 11A

IL PROJECT: UGN-4974

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

REVISIONS

NUMBER	BY	DATE



WAUKEGAN NATIONAL AIRPORT

WAUKEGAN, ILLINOIS

REMOVE TREES IN EXISTING APPROACH AND TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3

CONSTRUCTION ACTIVITY PLAN NOTES - 2

© Copyright CMT, Inc.



CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS  
License No. 184-000613



DESIGN BY: MFZ

DRAWN BY: JRO

CHECKED BY: CAL

APPROVED BY: CAL

DATE: 5/13/2022

JOB No: 21004101-00

Waukegan-National Airport Base - 2021.dwg  
 Waukegan-National Airport\_Base\_11/11/2021.dwg  
 BHP/BJR/BJR

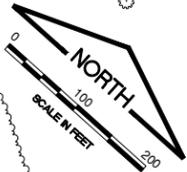
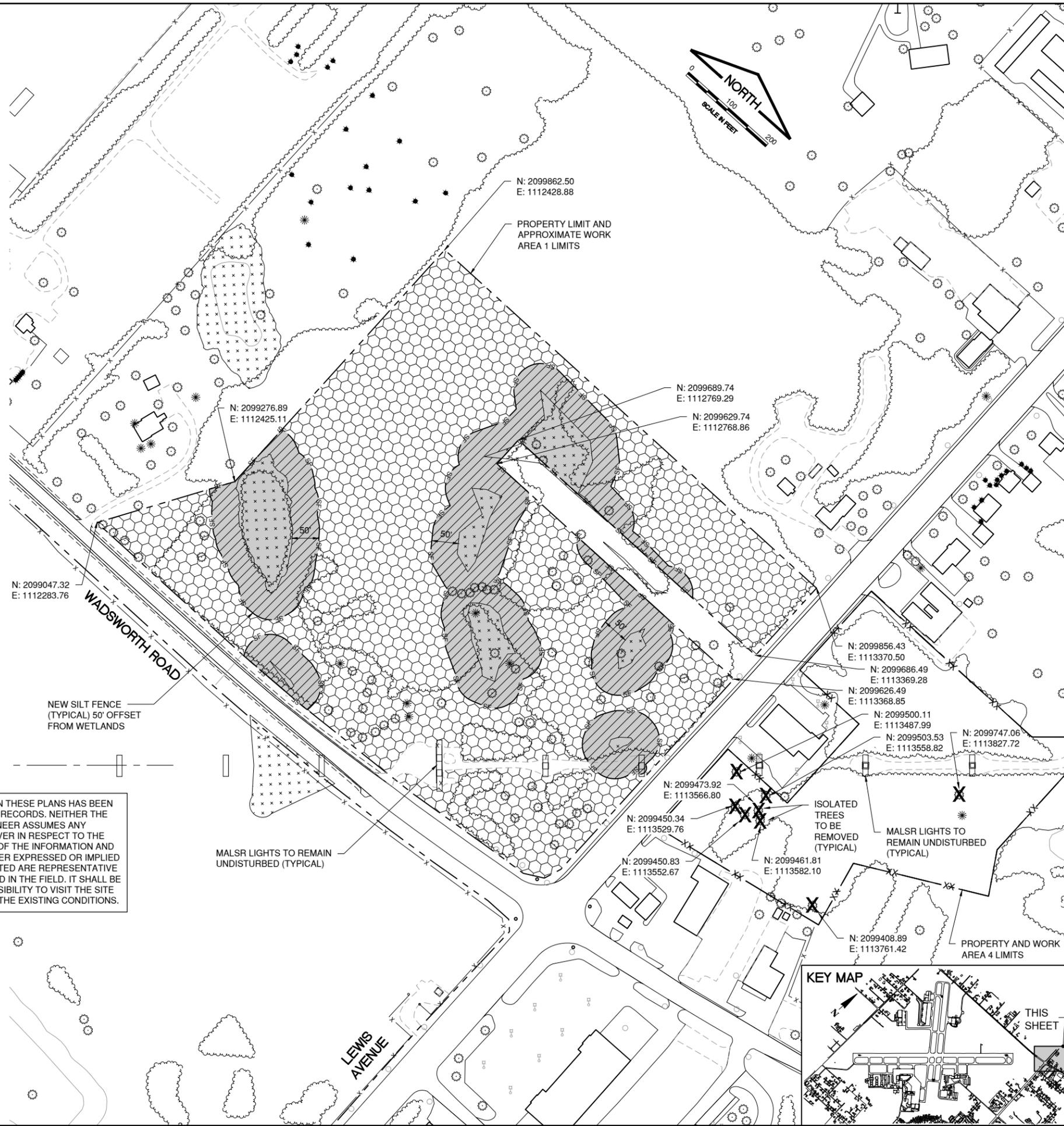
**NOTES**

1. ANY DISTURBANCES TO WETLANDS SHALL BE RESTORED IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND LAKE COUNTY WATERSHED ORDINANCE AT NO ADDITIONAL COST TO THE PROJECT.
2. CONTRACTOR SHALL BE LIMITED TO HAND TOOLS ONLY WHILE WORKING WITHIN WETLAND LIMITS INCLUDING A 50' BUFFER FROM DELINEATED WETLAND BORDER. STUMPS ARE TO REMAIN WITHIN WETLAND LIMITS AND SHALL BE TREATED TO INHIBIT FURTHER GROWTH. FELLED TREES ARE TO BE HAULED OFF OF AIRPORT PROPERTY, COST INCIDENTAL TO THE CONTRACT.
3. AREAS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER TO BE CLEARED AND GRUBBED SHALL BE SMOOTHLY GRADED TO DRAIN MEETING THE SATISFACTION OF THE ENGINEER AND AIRPORT. GRADING SHALL BE INCIDENTAL TO THE SEEDING PAY ITEM. THE AREAS DISTURBED BY CLEARING AND GRUBBING OPERATIONS SHALL BE SEEDED (901) AND MULCHED (908).
4. ALL STOCKPILES, ABANDONED HAUL ROADS AND STAGING AREAS, AS SHOWN ON THE PLANS, SHALL HAVE 4 INCHES OF TOPSOIL PLACED AND BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS. AREAS DISTURBED OUTSIDE THE PROJECT LIMITS WILL BE SEEDED AND MULCHED BY THE CONTRACTOR AT HIS COST AND RESTORED TO ORIGINAL CONDITIONS.
5. STUMPS WITHIN THE CLEARING AND GRUBBING AREA SHALL BE GRUBBED OR EXCAVATED. ALL HOLES REMAINING AFTER STUMP REMOVAL SHALL BE FILLED WITH SUITABLE SOIL OR OTHER MATERIAL ACCEPTABLE TO THE RESIDENT ENGINEER AND SHALL BE COMPACTED PROPERLY WITH TAMPERS, SEEDED AND GRADED.
6. NO CUTTING OR TRIMMING OF TREES SHALL OCCUR BETWEEN APRIL 1 AND SEPTEMBER 30, BOTH DAYS INCLUSIVE, DUE TO THE POTENTIAL IMPACT TO THE INDIANA BAT AND NORTHERN LONG-EARED BAT, WHICH IS PROTECTED BY THE ENDANGERED SPECIES ACT OF 1973.
7. TREE REMOVAL AND CLEARING AND GRUBBING LOCATIONS AND/OR AREAS HAVE BEEN DETERMINED FROM AERIAL SURVEYS AND ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE LOCATIONS/LIMITS WITH THE RESIDENT ENGINEER BEFORE REMOVING TREES.
8. RESIDENT ENGINEER SHALL SUPPLY CONTRACTOR WITH EXISTING PROPERTY LINE CONTROL POINTS. CONTRACTOR SHALL LAYOUT EXISTING PROPERTY LINE IN AREA ADJACENT TO TREE REMOVALS AND/OR CLEARING AND GRUBBING AREAS. RESIDENT ENGINEER TO VALIDATE PROPERTY LINE LAYOUT BEFORE REMOVAL OPERATIONS BEGIN.
9. UPON COMPLETION OF TREE REMOVALS AND/OR CLEARING AND GRUBBING, CONTRACTOR SHALL PROVIDE SURVEYED COORDINATES (NORTHING AND EASTING IN ILLINOIS STATE PLANE WEST) OF REMOVED TREES AND/OR LIMITS OF CLEARING AND GRUBBING AREAS TO RESIDENT ENGINEER.
10. ADDITIONAL CLEARING AND GRUBBING LIMIT LAYOUT INFORMATION, INCLUDING WETLAND, WETLAND BUFFER AND SILT FENCE LOCATIONS WILL BE PROVIDED BY THE RESIDENT ENGINEER DURING CONSTRUCTION. RESIDENT ENGINEER TO VALIDATE SILT FENCE LAYOUT AND WETLAND PROTECTION BEFORE REMOVAL OPERATIONS BEGIN.

**LEGEND**

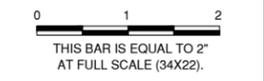
- EXISTING PROPERTY LINE/WORK AREA LIMIT
- SF NEW SILT FENCE
- X TREE TO BE REMOVED
- x- EXISTING FENCE
- OHE EXISTING ELECTRIC (AERIAL)
- UGE EXISTING ELECTRIC (UNDERGROUND)
- COMCAST EXISTING COMCAST LINE
- ATT EXISTING AT&T LINE
- EXISTING UTILITY POLE
- G EXISTING GAS MAIN
- W EXISTING WATER MAIN
- EXISTING FIRE HYDRANT / VALVE
- EXISTING LIGHT POLE
- SURVEYED WETLAND LIMITS
- EXISTING TREES
- EXISTING TREE/BRUSH LINE
- EXISTING INLET / MANHOLE
- APPROXIMATE LIMITS OF CLEARING AND GRUBBING (AR151450)
- LIMITS OF TREE CLEARING (AR151410)
- 50' WETLAND BUFFER

THE INFORMATION SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION AND THERE IS NO GUARANTEE EITHER EXPRESSED OR IMPLIED THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS.



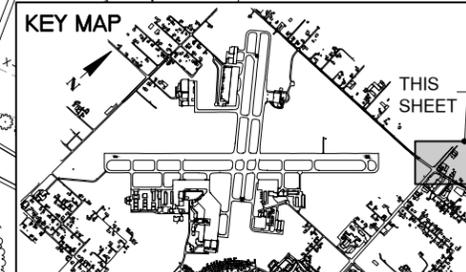
IL CONTRACT: **WA077**  
 IL LETTING ITEM: **11A**  
 IL PROJECT: **UGN-4974**  
 S.B.G. PROJECT: **3-17-SBGP-TBD**

REVISIONS		
NUMBER	BY	DATE



**WAUKEGAN NATIONAL AIRPORT  
 WAUKEGAN, ILLINOIS  
 REMOVE TREES IN EXISTING APPROACH AND  
 TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3  
 EXISTING CONDITIONS & PROPOSED REMOVALS - 1**

**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 184-000613



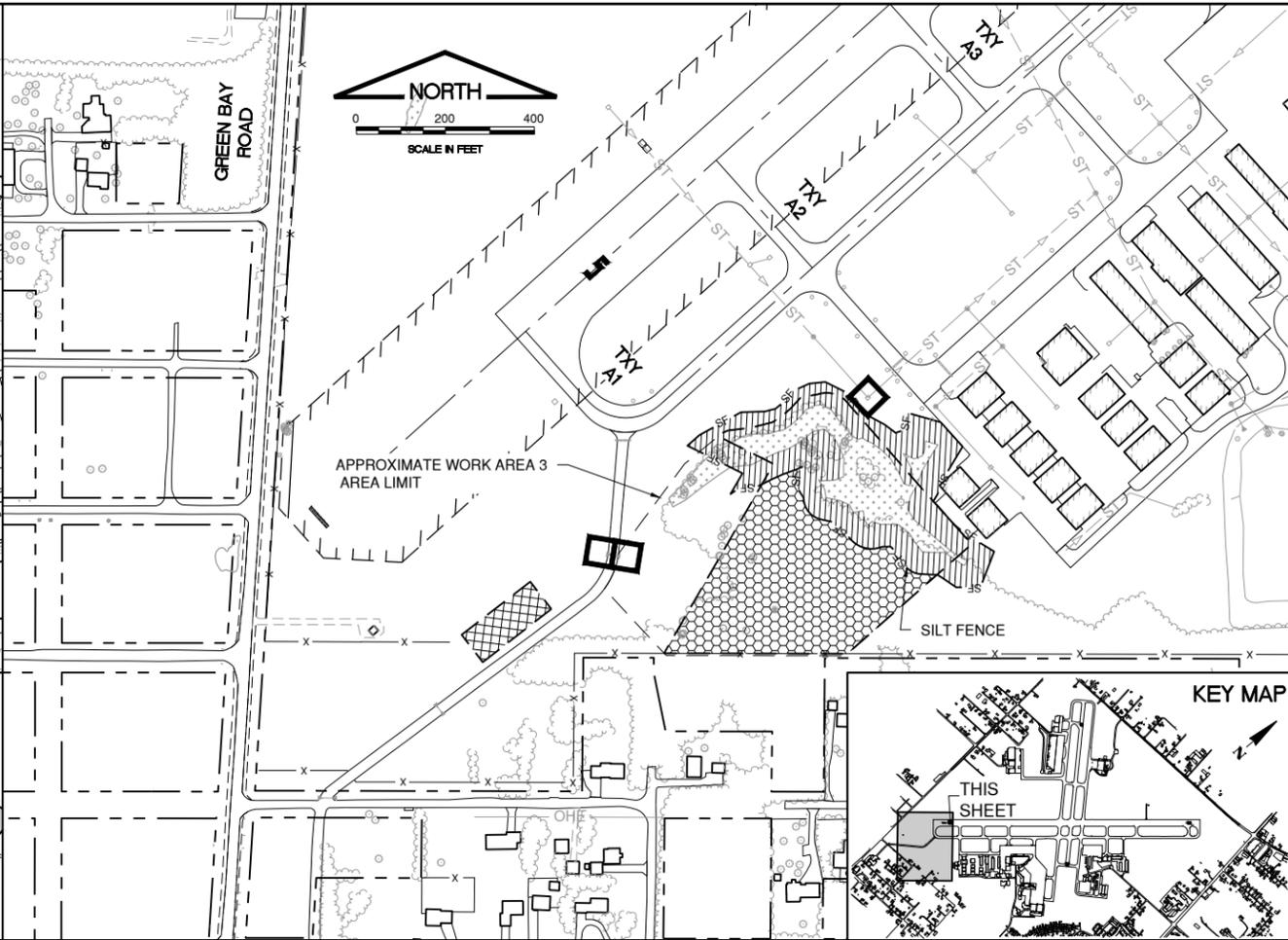
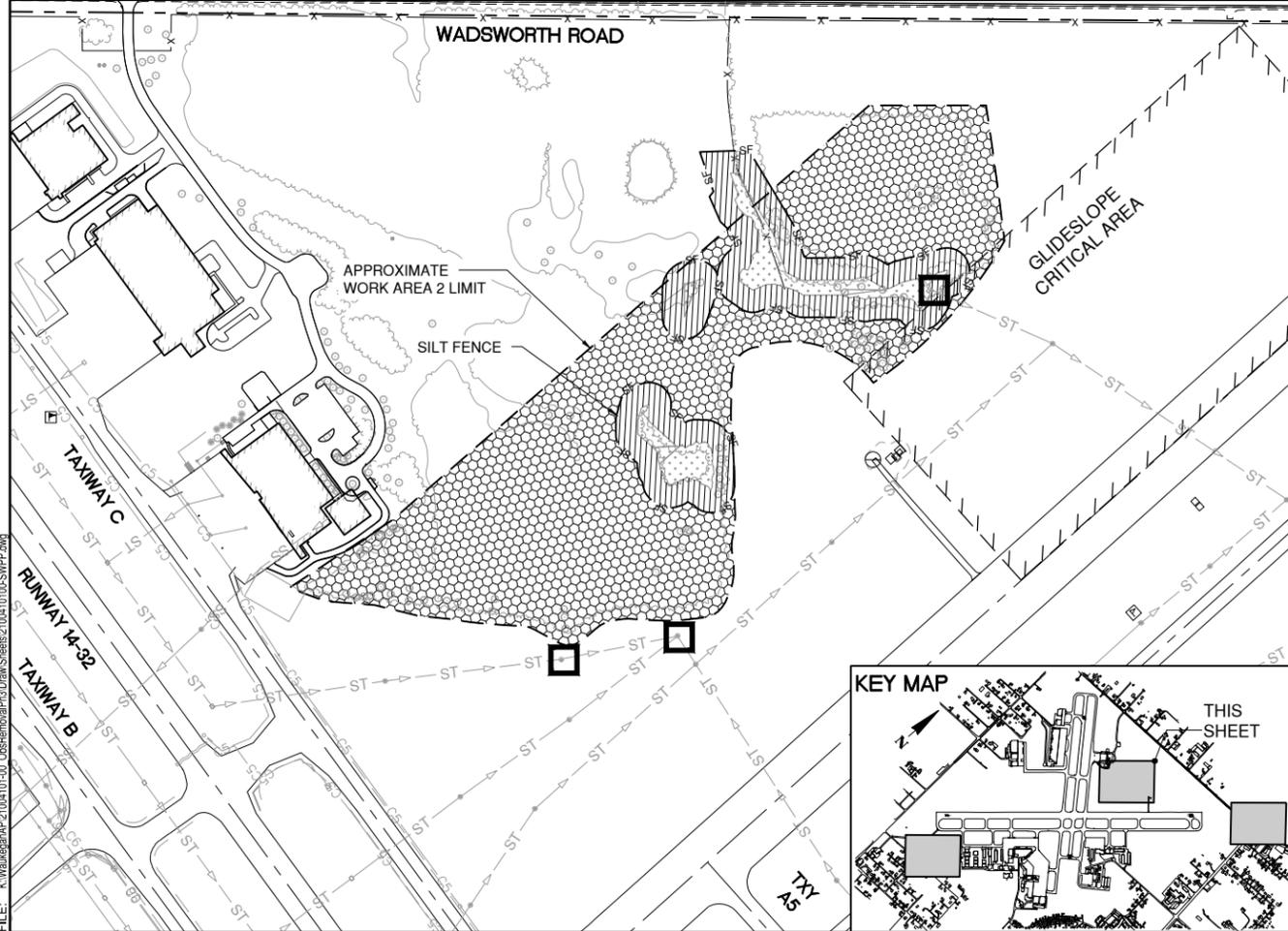
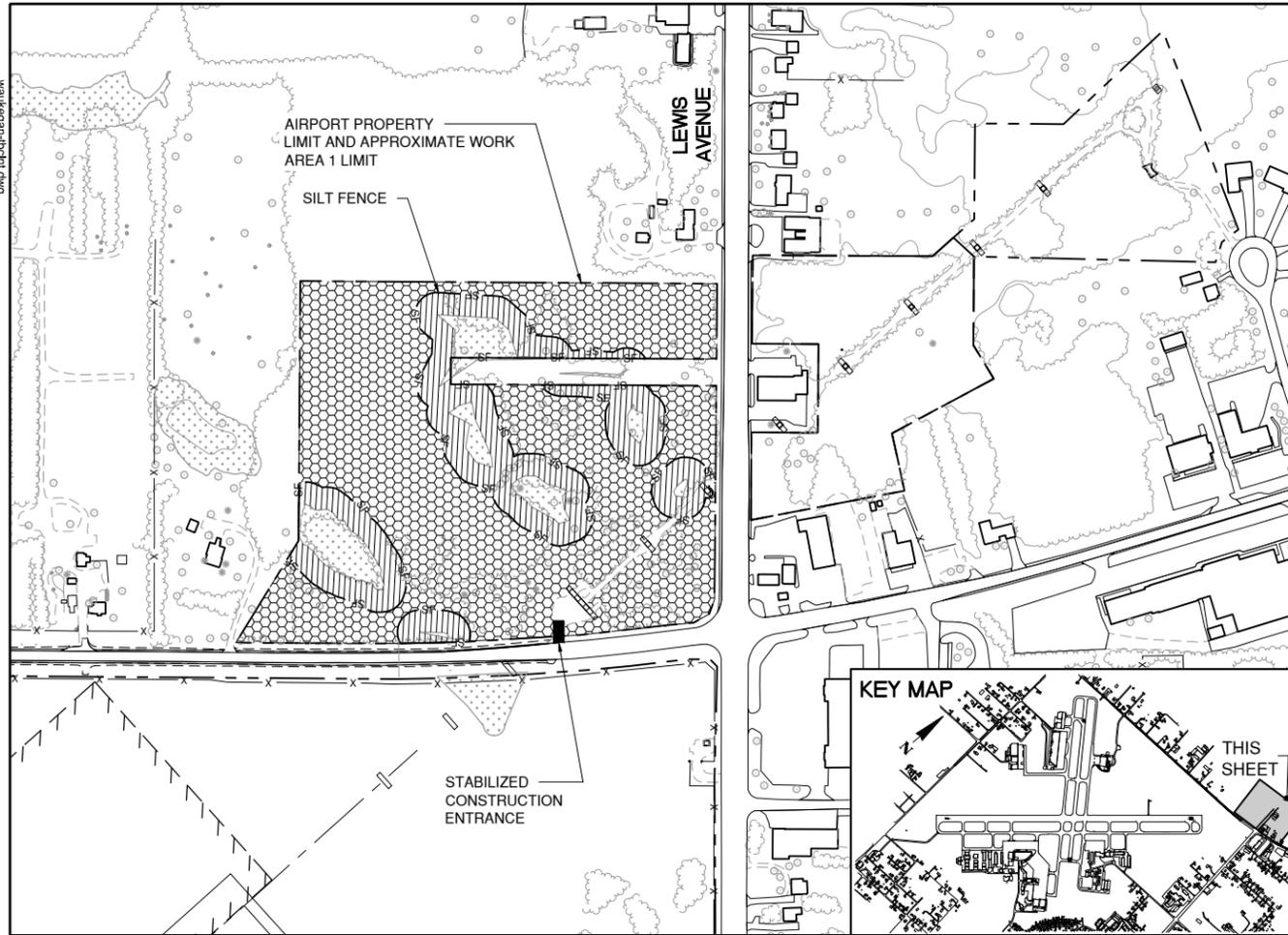
DESIGN BY:	MFZ
DRAWN BY:	JRO
CHECKED BY:	CAL
APPROVED BY:	CAL
DATE:	5/13/2022
JOB No:	21004101-00

DATE: Wednesday, June 15, 2022, 1:18:53 PM  
 FILE: K:\Waukegan\21004101-00\_CbRemoval\PSD\Draw\Sheets\21004101-00-EXISTING CONDITIONS 1.dwg





Waukegan-1812.dwg  
 Waukegan Airport Base - 2021.dwg  
 Waukegan Airport\_Base\_1812.dwg



### LEGEND

- EXISTING PROPERTY LINE
- SILTY FENCE (SEE NOTE 7)
- EXISTING FENCE
- SURVEYED WETLAND LIMITS
- EXISTING TREES
- EXISTING TREE/BRUSH LINE
- EXISTING STORM SEWER
- EXISTING INLET / MANHOLE
- NEW SEEDING AND HYDRAULIC MULCHING/EROSION CONTROL BLANKET
- NEW INLET PROTECTION
- CONTRACTOR'S STAGING AND STORAGE AREA
- 50' WETLAND BUFFER

### NOTES

1. ALL STOCKPILES, ABANDONED HAUL ROADS AND STAGING AREAS, AS SHOWN ON THE PLANS, SHALL HAVE 4 INCHES OF TOPSOIL PLACED AND BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS. AREAS DISTURBED OUTSIDE THE PROJECT LIMITS WILL BE SEEDED AND MULCHED BY THE CONTRACTOR AND RESTORED TO ORIGINAL CONDITIONS. COST OF THIS SEEDED, MULCHING, AND RESTORATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
2. 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 TO THE CONTRACT.
3. EROSION CONTROL BLANKET AREAS ARE NOT SHOWN ON THE PLANS AND SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER IN AREAS WITH STEEPER GROUND SLOPES.
4. AREAS SHOWN FOR CLEARING AND GRUBBING SHALL BE GRADED TO DRAIN AND RECEIVE SEEDING AND MULCHING OR EROSION CONTROL BLANKET.
5. SEEDING, MULCHING, AND EROSION CONTROL BLANKET PLACED ON CLEARED AND GRUBBED AREAS SHALL BE MEASURED FOR PAYMENT. ANY GRADING NECESSARY TO PROMOTE POSITIVE DRAINAGE WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE INCIDENTAL TO THE CONTRACT.
6. ALL PERMANENT SEEDING, ELIGIBLE FOR PAYMENT, SHALL BE PAID FOR AS AR901510 SEEDING REGARDLESS OF SEED MIXTURE OR CLASS.
7. CONTRACTOR SHALL INSTALL SILTY FENCE ALONG THE PERIMETER OF THE STAGING/MATERIAL STORAGE AREA. THE SILTY FENCE SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
8. WETLAND PROTECTION SHALL BE INSTALLED BEFORE CLEARING AND GRUBBING OPERATIONS. NO OTHER WORK MAY COMMENCE UNTIL ALL THE WETLAND PROTECTIONS ARE INSTALLED FOR THE AREA. THE WETLAND BARRIER SILTY FENCE SHALL BE INSTALLED AT A 50' OFFSET FROM THE EXISTING WETLAND BORDER.
9. ADDITIONAL CLEARING AND GRUBBING LIMIT LAYOUT INFORMATION, INCLUDING WETLAND, WETLAND BUFFER AND SILTY FENCE LOCATIONS WILL BE PROVIDED BY THE RESIDENT ENGINEER DURING CONSTRUCTION. RESIDENT ENGINEER TO VALIDATE SILTY FENCE LAYOUT AND WETLAND PROTECTION BEFORE REMOVAL OPERATIONS BEGIN.

DATE: Wednesday, June 15, 2022 1:19:26 PM  
 FILE: K:\Waukegan\AP2\04101-00\_CbRemoval\Draw\Sheet2\0410103-SWPP.dwg

IL CONTRACT: **WA077**  
 IL LETTING ITEM: **11A**  
 IL PROJECT: **UGN-4974**  
 S.B.G. PROJECT: **3-17-SBGP-TBD**

REVISIONS		
NUMBER	BY	DATE

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

**WAUKEGAN NATIONAL AIRPORT  
 WAUKEGAN, ILLINOIS  
 REMOVE TREES IN EXISTING APPROACH AND  
 TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3  
 STORM WATER POLLUTION PREVENTION PLAN**

© copyright CMT, Inc.  
**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 184-000613

DESIGN BY:	MFZ
DRAWN BY:	JRO
CHECKED BY:	CAL
APPROVED BY:	CAL
DATE:	5/13/2022
JOB No:	21004101-00

# STORM WATER POLLUTION PREVENTION PLAN

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

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 OBSTRUCTION REMOVALS FROM RUNWAY 5-23 IN THE FORM OF CLEARING AND GRUBBING, UTILITY RE-LOCATION, AND MISCELLANEOUS REMOVALS AT THE WAUKEGAN NATIONAL AIRPORT.

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. INSTALL WETLAND PROTECTION FENCING
2. INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES.
3. COMPLETE CLEARING AND GRUBBING.
4. REMOVAL OF "WAUKEGAN NATIONAL AIRPORT" SIGN IN RUNWAY 5 SAFETY AREA.
5. FINAL GRADING AND OTHER MISCELLANEOUS ITEMS.
6. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING, MULCH AND EROSION CONTROL BLANKET.

## AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 42 ACRES OF WHICH 42 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 REFERENCED DOCUMENTS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS THAT 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 PLAINES 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 RIVER.

## 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 THE RESIDENT ENGINEER.

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

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 RELATED ACTIVITIES.

1. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
2. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTORS EXPENSE, IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
3. 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.
5. 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.
6. 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 ESTABLISHED.

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

1. 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 POLLUTION PREVENTION PLAN EXCEPT FOR OWNERS THAT ARE ACTING AS CONTRACTOR.
2. 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 POLLUTION PREVENTION PLAN:

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

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:

ROUTE: WAUKEGAN NATIONAL AIRPORT MARKED: REMOVE RUNWAY 5/23 OBSTRUCTIONS - PHASE 3  
 SECTION: 31 PROJECT NUMBER: UGN-4974  
 COUNTY: LAKE CONTRACT NUMBER: 3-17-SBGP-TBD

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

STREET ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

THE INFORMATION WITHIN THIS BOX SHALL BE COMPLETED BY THE CONTRACTOR AFTER THE AWARD OF THE CONTRACT TO OBTAIN THE REQUIRED NPDES PERMIT FROM IEPA. COMPLETION OF THIS IS A CONTRACT REQUIREMENT.

## ADDITIONAL NOTES

1. 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.
  2. 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.
  3. 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 TO THE CONTRACT.
- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
  - B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DEC), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
    - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS 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 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.
  - D. 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 PUBLIC 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.
  - E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
  - F. 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 FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
  - H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
  - I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
  - J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
  - K. 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.
  - L. 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.
  - M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
  - 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.
  - O. 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.

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

IL CONTRACT: **WA077**  
 IL LETTING ITEM: **11A**  
 IL PROJECT: **UGN-4974**  
 S.B.G. PROJECT: **3-17-SBGP-TBD**

## REVISIONS

NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2"  
 AT FULL SCALE (34X22).

**LAKE COUNTY STORMWATER MANAGEMENT COMMISSION**  
**WAUKEGAN NATIONAL AIRPORT**  
**WAUKEGAN, ILLINOIS**  
**REMOVE TREES IN EXISTING APPROACH AND TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3**  
**STORM WATER POLLUTION PREVENTION NOTES**

© Copyright CMT, Inc.

**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 184-000613



DESIGN BY:	MFZ
DRAWN BY:	JRO
CHECKED BY:	CAL
APPROVED BY:	CAL
DATE:	5/13/2022
JOB No:	21004101-00

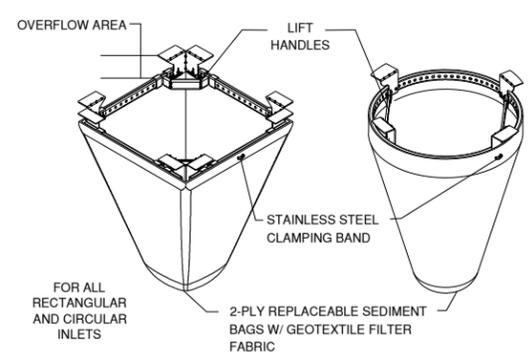
DATE: Wednesday, June 15, 2022 1:23:36 PM  
 FILE: K:\Waukegan\2104101-20\_CDR\Removal\Drawings\2104101-20-SWPP-Details.dwg  
 UPDATE BY: Jim Ohse  
 LAYOUT: Layout  
 Waukegan Airport Layout  
 6/15/2022 1:23:36 PM

SEED TABLE			
CLASS - TYPE	SEED MIXTURE	RATE (LB/ACRE)	APPLICATION WINDOW
IDOT AERONAUTICS (PERMANENT SEEDING)	INFERNO TALL FESCUE OR TARHEEL II FESCUE	60	APRIL 1 THRU JUNE 1
	ANNUAL RYEGRASS	20	AUGUST 1 THRU NOVEMBER 1
	AUDUBON RED FESCUE	30	
	RESCUE 911 OR RELIANT IV HARD FESCUE	30	
	ENDOPHYTIC FESCUE CULTIVAR	60	
IDOT CLASS 4A (PERMANENT SEEDING)	LITTLE BLUE STEM	5	MAY 15 TO JUNE 30
	SIDE-OATS GRAMA	5	OCTOBER 15 TO DECEMBER 1
	CANADA WILD RYE	1	
	PRAIRIE DROPSEED	0.5	
	ANNUAL RYEGRASS	25	
	OATS, SPRING	25	
PERENNIAL RYEGRASS	15		
TEMPORARY EROSION CONTROL SEEDING I	OATS	100 LB/ACRE	MARCH 1 THRU JULY 31 *
TEMPORARY EROSION CONTROL SEEDING II	WINTER WHEAT	100 LB/ACRE	AUGUST 1 THRU NOVEMBER 15 *

\* 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).

MULCH TYPE	
LIGHT-DUTY HYDRAULIC	APPLIED PER MANUFACTURER'S RECOMMENDATION (2000 LB/ACRE MINIMUM)
EROSION CONTROL BLANKET	80% WOOD EXCELSIOR MAT WITH 6" - OR LAYER FABRIC (0.63 LB/SY)

FERTILIZER MIX	
NUTRIENT	PLAT (LB/ACRE)
NITROGEN	135
PHOSPHORUS (P205)	45
POTASSIUM (K20)	90

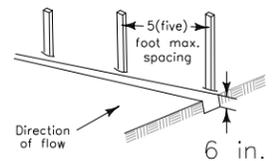


**INLET PROTECTION - SILT BASKET (PAVEMENT AND TURF)**

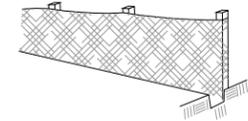
**NOTES**

- 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.

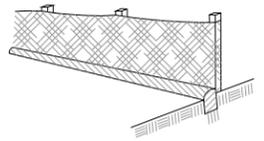
- Set posts and excavate or slit-trench a 6-inch deep trench upslope along the line of the post



- 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. Acceptable fasteners include staples, zip ties, or wire ties



- Backfill and compact the excavated spoil materials

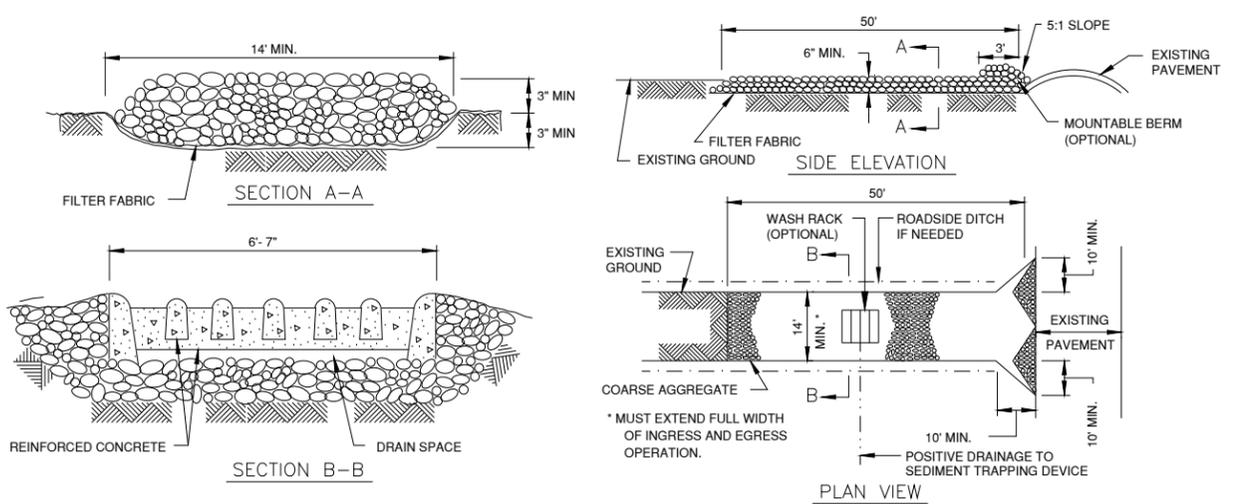
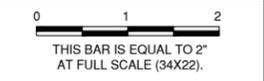
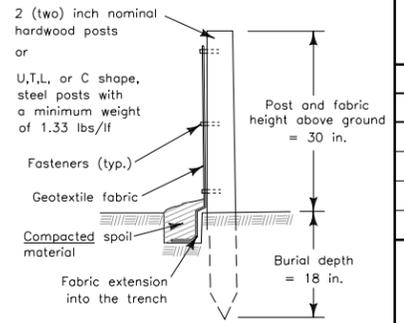


Geotextile Requirement	Test Method	MARV
Grab strength - Machine direction	ASTM D 4882	550 N
- X-machine direction		450 N
Permeability	ASTM D 4491	0.05 sec-1
Apparent opening size*	ASTM D 4751	0.80 mm
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours

*Note: Value for apparent opening size represents maximum average roll value.*

**SILT FENCE DETAIL**

NOT TO SCALE

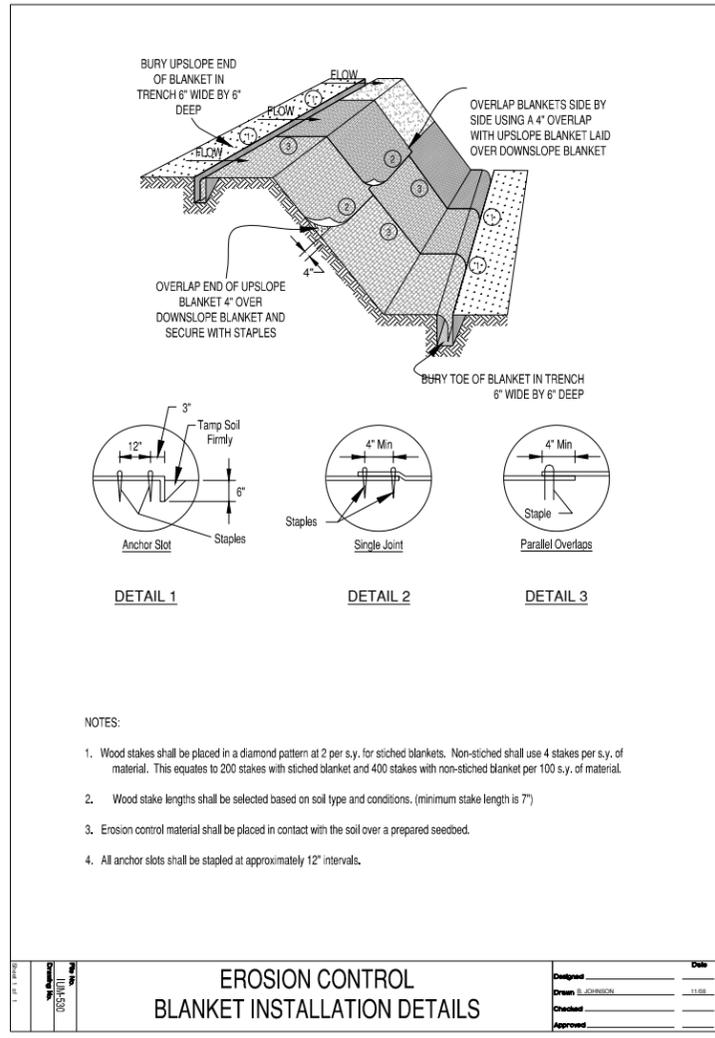


**STABILIZED CONSTRUCTION ENTRANCE**

FROM NRCS STANDARD DRAWING NO. IL-630

**STABILIZED CONSTRUCTION ENTRANCE NOTES**

- FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFIED UNDER SECTION 1080.03, OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4. COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS AND SHALL BE INCIDENTAL TO THE CONTRACT.
- MINIMUM WIDTH IS 14' FOR ONE-WAY TRAFFIC AND 20' FOR TWO WAY TRAFFIC. TWO-WAY TRAFFIC WIDTHS SHALL BE INCREASED A MINIMUM OF 4' FOR TRAILER TRAFFIC. DEPENDING ON THE TYPE OF VEHICLE OR EQUIPMENT, SPEED, LOADS, CLIMATIC AND OTHER CONDITIONS UNDER WHICH VEHICLES AND EQUIPMENT OPERATE AN INCREASE IN THE MINIMUM WIDTHS MAY BE REQUIRED.
- ROADWAY SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE.
- IF WASH RACK ARE USED THEY SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- THE STABILIZED CONSTRUCTION ENTRANCE INSTALLATION, MAINTENANCE AND REMOVAL SHALL BE INCIDENTAL TO THE CONTRACT.



**EROSION CONTROL BLANKET INSTALLATION DETAILS**

Design	Date
Drawn: B. JOHNSON	11/08
Checked:	
Approved:	

IL CONTRACT: **WA077**  
 IL LETTING ITEM: **11A**  
 IL PROJECT: **UGN-4974**  
 S.B.G. PROJECT: **3-17-SBGP-TBD**

REVISIONS		
NUMBER	BY	DATE

**WAUKEGAN NATIONAL AIRPORT**  
**WAUKEGAN, ILLINOIS**  
**REMOVE TREES IN EXISTING APPROACH AND TRANSITIONAL ZONES FOR RUNWAY 5-23, PHASE 3**  
**STORM WATER POLLUTION PREVENTION DETAILS**

© Copyright CMT, Inc.  
**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 184-000613



DESIGN BY:	MFZ
DRAWN BY:	JRO
CHECKED BY:	CAL
APPROVED BY:	CAL
DATE:	5/13/2022
JOB No:	21004101-00