

CITY OF AURORA AURORA, ILLINOIS

CONSTRUCTION PLANS FOR AURORA MUNICIPAL AIRPORT

PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING GENERAL AVIATION APRON AND TAXIWAY P

ILLINOIS PROJECT: ARR-4648
 S.B.G. PROJECT: 3-17-SBGP-144



Antonio R. Marin
 March 1, 2019
 expires: 11/30/19

MARCH 1, 2019
 REVISED: SEPTEMBER 11, 2020

811 Know what's below. Call before you dig.

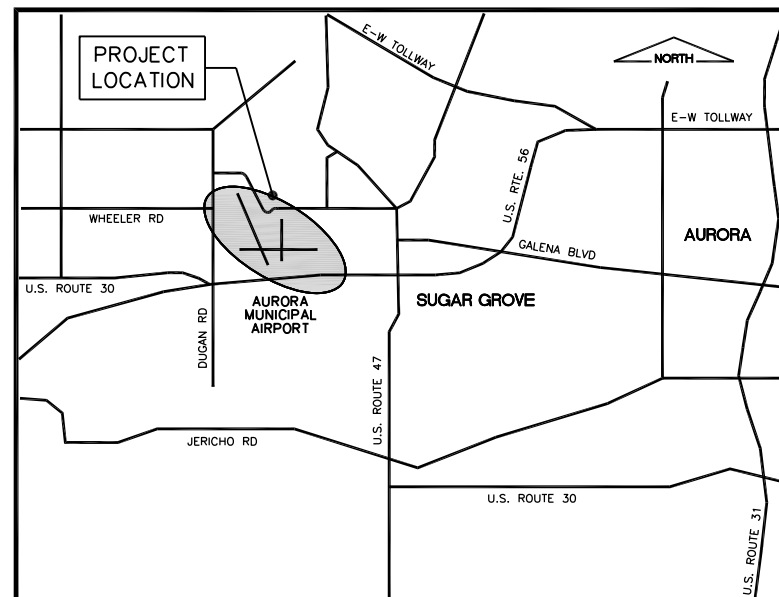
J.U.L.I.E. JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
 www.illinois1call.com

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.

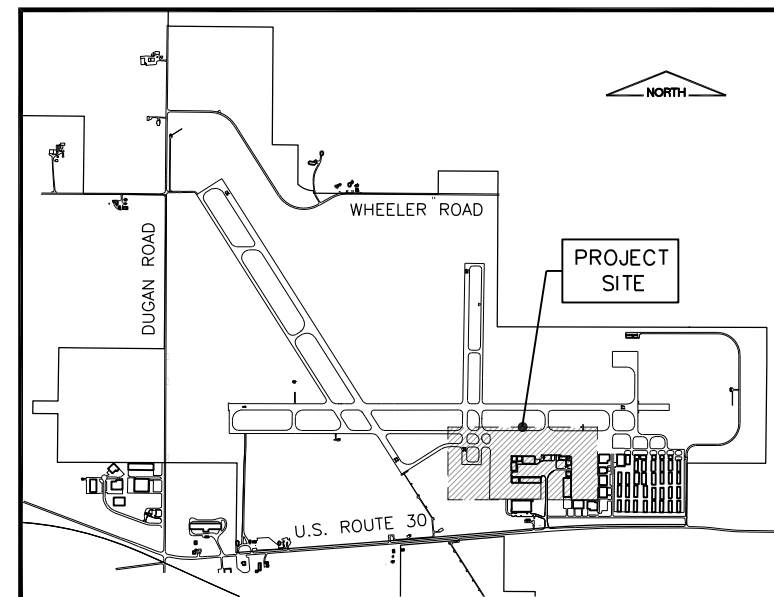
CALL J.U.L.I.E BEFORE EXCAVATING AT 811

AURORA MUNICIPAL AIRPORT

SECTION: 17 AND 18 COUNTY: KANE
 RANGE: 7 EAST U.S. ROUTE 30
 TOWNSHIP: 38 NORTH SUGAR GROVE TOWNSHIP



LOCATION MAP



SITE PLAN

AURORA ILLINOIS CITY OF LIGHTS **AURORA MUNICIPAL AIRPORT**

CITY OF AURORA, ILLINOIS

APPROVED BY *Richard C. Irvin* MAYOR
 RICHARD C. IRVIN

DATE: FEBRUARY 14 2019

APPROVED BY *Stephen K. Andras* AIRPORT MANAGER
 STEPHEN K. ANDRAS, P.E.

DATE: FEBRUARY 14 2019

CMT 160285-02
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS

SUBMITTED BY *Antonio R. Marin*
 ANTONIO R. MARIN, P.E.

DATE: March 1 2019

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NOTES

- SPECIAL ATTENTION IS NECESSARY WHEN WORKING NEAR FAA POWER AND CONTROL CABLES. ANY FAA UTILITY THAT IS DAMAGED OR CUT DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY. **FAA REQUIRES THAT ANY DAMAGED CABLE BE REPLACED IN ITS ENTIRETY, FROM POWER/CONTROL SOURCE TO THE EQUIPMENT/SERVICE. SPLICES OF ANY KIND WILL NOT BE PERMITTED.** EXPOSURES OF ANY FAA CABLES MUST BE DONE BY HAND DIGGING OR HYDRO-EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE MADE FOR LOCATING, REPLACEMENT OR REPAIR OF FAA FACILITIES OR CABLES BUT, SHALL BE INCIDENTAL TO THE CONTRACT.
- WHEN FAA CABLES ARE REQUIRED TO BE LOCATED, OR THE CONTRACTOR IS PLANNING ON WORKING ON OR AROUND FAA CABLES, CONDUITS OR EQUIPMENT, A 10 WORKING DAY ADVANCED NOTICE SHALL BE GIVEN TO THE FAA BEFORE ANY SUCH MARKINGS ARE REQUIRED. ONCE FAA MARKS THE CABLES, THE CONTRACTOR WILL BE REQUIRED TO SURVEY THE FAA UTILITIES SO THEY CAN BE REPLACED DURING CONSTRUCTION WITHOUT REMARKING BY THE FAA. THIS SHALL BE INCIDENTAL TO THE CONTRACT. THE FAA PERSONNEL ARE ONLY AVAILABLE FROM 9 AM TO 3 PM, MONDAY THROUGH FRIDAY WITH ADVANCED NOTICE.
- PORTIONS OF THE EXISTING PAVEMENT STRUCTURES WERE DESIGNED FOR EXCLUSIVE USE BY SMALL AIRCRAFT. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE PAVEMENT STRUCTURE AND SUBGRADE FROM DAMAGE, WHICH MAY INCLUDE BUT NOT BE LIMITED TO USE OF TRACKED EQUIPMENT, SHORT HAUL TRUCKS OR TRACKED PAVERS, AT NO ADDITIONAL COST TO CONTRACT.
- AT ALL TIMES THE CONTRACTOR SHALL PERFORM ALL MAINTENANCE WORK NECESSARY TO KEEP EACH NEWLY CONSTRUCTED PAVEMENT SECTION LAYER IN A SATISFACTORY CONDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE DONE BY HIS HAULING AND CONSTRUCTION EQUIPMENT. ANY WORK NECESSARY TO CORRECT DAMAGED WORK AND EXISTING PAVEMENT SHALL BE PERFORMED BY THE CONTRACTOR AND AT THE EXPENSE OF THE CONTRACTOR.
- THE RESIDENT ENGINEER IN CONSULTATION WITH THE AIRPORT SHALL IDENTIFY ALL CRACKS TO BE REPAIRED AND OR SEALED. CONTRACTOR SHALL ADJUST THEIR OPERATIONS AS NECESSARY FOR THE IDENTIFIED WORK. NO ADDITIONAL COMPENSATION SHALL BE MADE.
- CONTRACTOR SHALL DISPOSE OF ALL PAVEMENT REMOVAL AND OTHER MISCELLANEOUS CONSTRUCTION DEBRIS OFF OF AIRPORT PROPERTY.
- PAVEMENT REMOVAL AND REPLACEMENT AREAS SHALL BE LAID OUT BY THE RESIDENT ENGINEER IN THE FIELD DURING CONSTRUCTION.

EXISTING CONDITIONS LEGEND

- EXISTING BASE MOUNTED MEDIUM INTENSITY TAXIWAY LIGHT
- EXISTING STAKE MOUNTED MEDIUM INTENSITY TAXIWAY LIGHT
- EXISTING BASE MOUNTED HIGH INTENSITY RUNWAY LIGHT
- EXISTING STAKE MOUNTED HIGH INTENSITY RUNWAY LIGHT
- EXISTING IN PAVEMENT MOUNTED HIGH INTENSITY RUNWAY LIGHT
- EXISTING ELEVATED RETROREFLECTIVE MARKER
- EXISTING VISUAL APPROACH SLOPE INDICATOR (VASI)
- EXISTING RUNWAY END IDENTIFIER LIGHT (REIL)
- EXISTING APPROACH LIGHTING SYSTEM
- EXISTING AIRFIELD GUIDANCE SIGN
- EXISTING WINDCONE
- EXISTING WINDCONE WITH SEGMENTED CIRCLE
- EXISTING ELECTRICAL TRANSFORMER
- EXISTING ELECTRICAL/STORM/SANITARY/TELEPHONE MANHOLE OR EXISTING WATER VALVE VAULT
- EXISTING ELECTRICAL HANDHOLE
- EXISTING STORM INLET
- EXISTING SLOPE BOX
- EXISTING FLARED END SECTION
- EXISTING HEADWALL
- EXISTING CLEANOUT STRUCTURE
- EXISTING FLUSH MOUNTED FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING UTILITY PEDESTAL
- EXISTING CONDUIT/DUCT BANK
- EXISTING FAA CABLES
- EXISTING RUNWAY END IDENTIFIER LIGHTING CIRCUIT
- EXISTING COMED SERVICE TO FAA ILS SYSTEM
- EXISTING STORM SEWER
- EXISTING UNDERDRAIN
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING TELEPHONE LINES
- EXISTING ELECTRIC LINE
- EXISTING GAS LINE
- EXISTING FENCE
- EXISTING RUNWAY END IDENTIFIER LIGHTING CIRCUIT
- EXISTING WALL DRAIN
- EXISTING AIRFIELD LIGHTING CIRCUIT

SUMMARY OF QUANTITIES

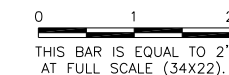
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
BASE BID				
ARI50510	ENGINEER'S FIELD OFFICE	LS	1	
ARI52410	UNCLASSIFIED EXCAVATION	CY	900	
ARI52540	SOIL STABILIZATION FABRIC	SY	1,715	
ARI56520	INLET PROTECTION	EACH	4	
AR208515	POROUS GRANULAR EMBANKMENT	CY	565	
AR209608	CRUSHED AGG. BASE COURSE - 8"	SY	325	
AR209613	CRUSHED AGG. BASE COURSE - 13"	SY	1,520	
AR401613	BIT. SURF. CSE. - METHOD I, SUPERPAVE	TON	708	
AR401650	BITUMINOUS PAVEMENT MILLING	SY	4,654	
AR401900	REMOVE BITUMINOUS PAVEMENT	SY	1,500	
AR401916	REM & REP BIT PAVEMENT - TYPE B	SY	100	
AR403613	BIT. BASE CSE. - METHOD I, SUPERPAVE	TON	175	
AR501509	9" PCC PAVEMENT	SY	110	
AR501511	11" PCC PAVEMENT	SY	380	
AR501530	PCC TEST BATCH	EACH	1	
AR501900	REMOVE PCC PAVEMENT	SY	575	
AR602510	BITUMINOUS PRIME COAT	GAL	760	
AR603510	BITUMINOUS TACK COAT	GAL	926	
AR620520	PAVEMENT MARKING - WATERBORNE	SF	4,000	
AR620525	PAVEMENT MARKING - BLACK BORDER	SF	2,700	
AR620900	PAVEMENT MARKING REMOVAL	SF	200	
AR705506	6" PERFORATED UNDERDRAIN	LF	380	
AR751980	RECONSTRUCT INLET	EACH	8	
AR751995	RECONSTRUCT UTILITY STRUCTURE	EACH	5	
AR800009	PCC SPALL REPAIR	SF	100	
AR800159	SEEDING	SY	1025	
AR800162	MULCHING	SY	1025	
AR905530	TOPSOILING	SY	1025	
ADDITIVE ALTERNATE NO. 1 - TAXIWAY A AND SOUTH APRON PCC PANEL REPLACEMENT				
AS501509	9" PCC PAVEMENT	SY	410	
AS501900	REMOVE PCC PAVEMENT	SY	410	
AS510510	TIE DOWN	EACH	1	
AS620520	PAVEMENT MARKING - WATERBORNE	SF	124	
AS620525	PAVEMENT MARKING - BLACK BORDER	SF	145	
ADDITIVE ALTERNATE NO. 2 - SOUTH APRON PCC PANEL REPLACEMENT				
AT501509	9" PCC PAVEMENT	SY	315	
AT501900	REMOVE PCC PAVEMENT	SY	315	
AT510510	TIE DOWN	EACH	4	
AT620520	PAVEMENT MARKING - WATERBORNE	SF	100	
AT620525	PAVEMENT MARKING - BLACK BORDER	SF	100	

IL CONTRACT: **AU069**
IL LETTING ITEM: **03A**
IL PROJECT: **ARR-4648**
S.B.G. PROJECT: **3-17-SBGP-144**

SURVEY BOOK # BOOK #

REVISIONS

NUMBER	BY	DATE



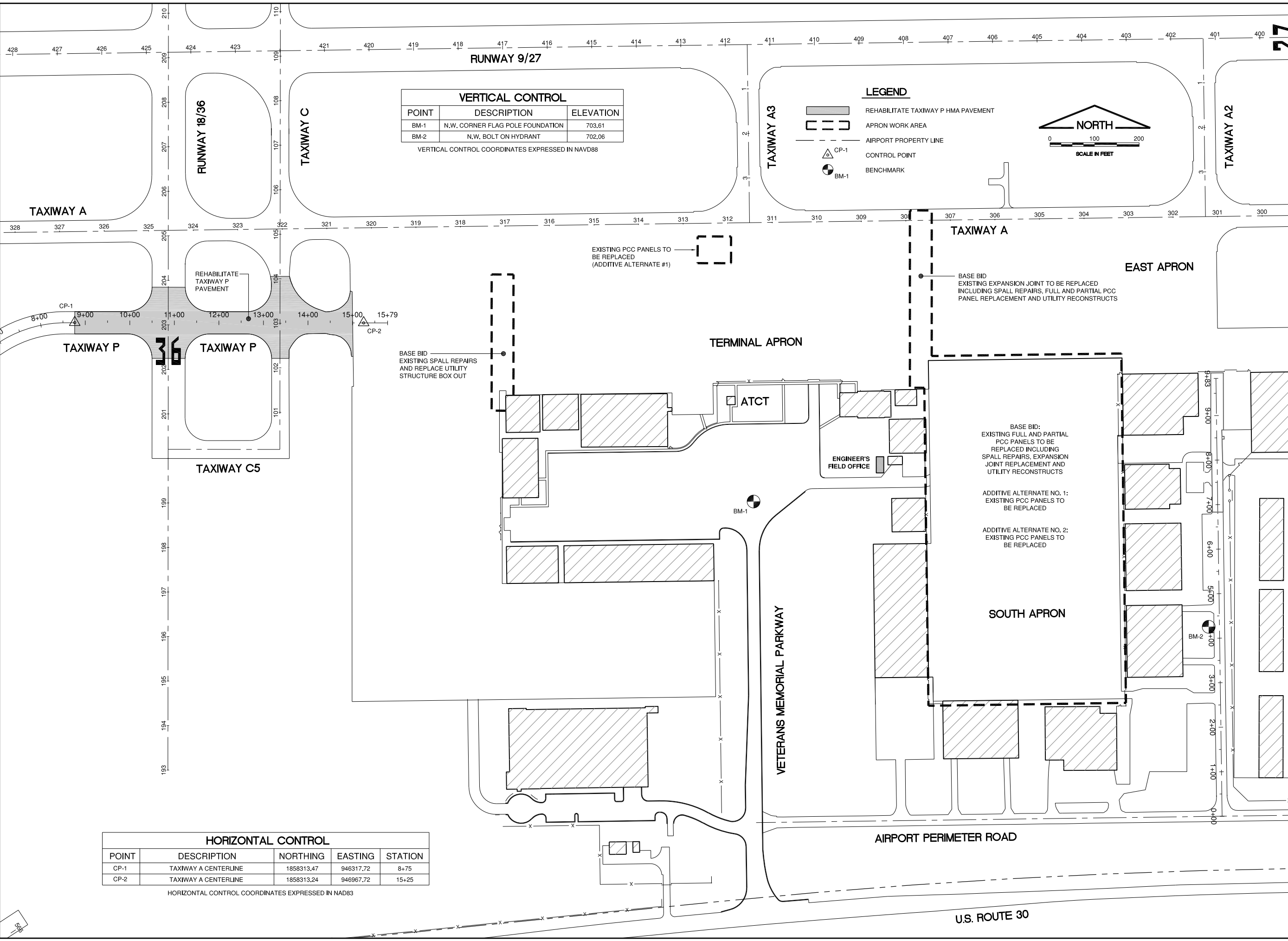
AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING
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**INDEX TO SHEETS, SUMMARY OF QUANTITIES
AND GENERAL NOTES**

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DRAWN BY:	JRO
CHECKED BY:	ARM
APPROVED BY:	DKP
DATE:	9/11/2020
JOB No:	160285-02-00

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 UPDATE BY: Jim Ohse
 LAYOUT: Layout1
 IMAGE FILES: Aurora Municipal Airport Logo FINAL PKG.scp
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VERTICAL CONTROL		
POINT	DESCRIPTION	ELEVATION
BM-1	N.W. CORNER FLAG POLE FOUNDATION	703.61
BM-2	N.W. BOLT ON HYDRANT	702.06

VERTICAL CONTROL COORDINATES EXPRESSED IN NAVD88

- LEGEND**
- REHABILITATE TAXIWAY P HMA PAVEMENT
 - APRON WORK AREA
 - AIRPORT PROPERTY LINE
 - CP-1 CONTROL POINT
 - BM-1 BENCHMARK



HORIZONTAL CONTROL				
POINT	DESCRIPTION	NORTHING	EASTING	STATION
CP-1	TAXIWAY A CENTERLINE	1858313.47	946317.72	8+75
CP-2	TAXIWAY A CENTERLINE	1858313.24	946967.72	15+25

HORIZONTAL CONTROL COORDINATES EXPRESSED IN NAD83

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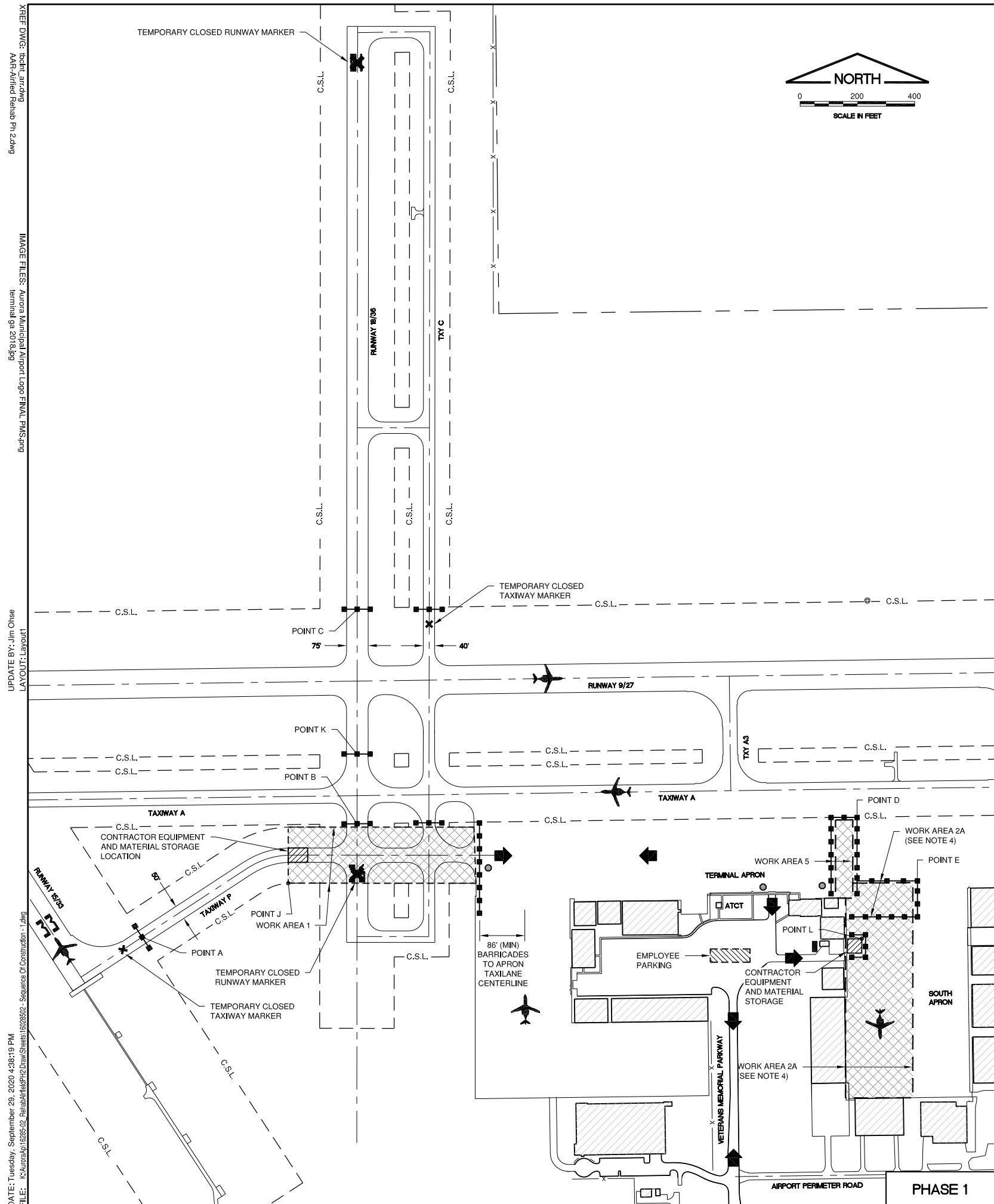
AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING GENERAL AVIATION APRON AND TAXIWAY P
SITE PLAN/PROJECT CONTROL

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SHEET 3 OF 17 SHEETS



- ### LEGEND
- PHASE 1 - WORK AREAS
 - PHASE 2 - WORK AREAS
 - PHASE 3 - WORK AREAS
 - TEMPORARY BARRICADES WITH RED FLASHING LIGHT
 - CONTRACTOR'S HAUL ROUTE
 - TEMPORARY CLOSED RUNWAY MARKER
 - TEMPORARY CLOSED TAXIWAY MARKER (SEE NOTE 2)
 - AIRCRAFT MOVEMENT AREA
 - CROSSING GUARD AND STOP SIGN (SEE NOTE 1) OR CONTRACTOR'S ESCORT WITH RADIO
 - CONTRACTOR'S EMPLOYEE PARKING, EQUIPMENT AND MATERIAL STORAGE LOCATION
 - C.S.L. - CONSTRUCTION SETBACK LINE (C.S.L.)
 255' FROM CENTERLINE OF RUNWAY 9/27 AND 15/33
 130' FROM CENTERLINE OF RUNWAY 18/36
 98' FROM CENTERLINE OF TAXIWAY B, A, P, AND M1
 71' FROM CENTERLINE OF TAXIWAY C
 86' FROM CENTERLINE OF APRON TAXILANES

- ### NOTES
1. WHEN HAUL ROUTE IS IN USE ON ACTIVE AIRFIELD PAVEMENTS, THE CONTRACTOR WILL BE REQUIRED TO BE UNDER CONTROL BY A CROSSING GUARD OR ESCORT IN RADIO CONTACT WITH THE ATCT FOR CONSTRUCTION PERSONNEL, CONSTRUCTION TRAFFIC, CONTRACTORS VEHICLES AND EQUIPMENT CROSSING BY, TO OR FROM WORK ZONE. STOP SIGNS SHALL BE IN PLACE AT ALL TIMES IN THIS AREA. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
 2. TEMPORARY CLOSED TAXIWAY MARKERS ARE ONLY REQUIRED WHEN THE TAXIWAY WILL REMAIN CLOSED FOR 3 CONSECUTIVE DAYS OR MORE.
 3. BARRICADES USED FOR WORK AREA 1 MAY BE IDOT TYPE 2 BARRICADES OR LOW PROFILE BARRICADES. WORK AREAS 2 THRU 5 SHALL USE LOW PROFILE BARRICADES ONLY.
 4. WORK AREAS 2A AND 2B WILL REMAIN OPEN TO AIRCRAFT DURING CONSTRUCTION. ADDITIONAL BARRICADES WILL BE REQUIRED THAN SHOWN FOR EACH ISOLATED IMPROVEMENT AREA WITHIN THE WORK AREA.

PHASE 1 SUGGESTED SEQUENCE OF CONSTRUCTION

- NOTIFY RESIDENT ENGINEER/AIRPORT MANAGER 10 DAYS PRIOR TO THE START OF CONSTRUCTION TO ISSUE APPROPRIATE NOTAMS.
- WORK AREAS 1, 2A AND 5
 - COORDINATE WITH RESIDENT ENGINEER AND AIRPORT MANAGER FOR REQUIRED PAVEMENT CLOSURES FOR WORK AREA.
 - PLACE REQUIRED BARRICADES AND PAVEMENT CLOSURE MARKERS (SEE NOTE 4).
 - MEGGER AIRFIELD CIRCUITS.
 - DE-ENERGIZE CIRCUITS FOR CLOSED RUNWAYS.
 - DE-ENERGIZE TAXIWAY CIRCUITS OR COVER LIGHT FIXTURES/AIRFIELD SIGNS IN SUCH A WAY TO PREVENT LIGHT LEAKAGE WITHIN OR ADJACENT TO WORK AREA LIMITS.
 - COMPLETE PAVEMENT REMOVALS.
 - COMPLETE UTILITY ADJUSTMENTS AND INSTALLATIONS.
 - COMPLETE PAVEMENT IMPROVEMENTS.
 - COMPLETE WORK AREA 1 PAVEMENT MARKING.
 - COMPLETE TOPSOILING, SEEDING AND MULCHING TO MEET RSA/TSA GRADING.
 - REMOVE TEMPORARY CABLING AND RE-ENERGIZE CIRCUITS WITHIN WORK AREA LIMITS AND RE-MEGGER AIRFIELD CIRCUITS.
 - CLEAN PAVEMENTS, RESTORE DISTURBED WORK AREAS AND REMOVE MISCELLANEOUS DEBRIS FROM WORK AREA.
 - COORDINATE WITH RESIDENT ENGINEER AND AIRPORT MANAGER PAVEMENT CLOSURES FOR NEXT WORK AREA.
 - ONCE PCC PAVEMENTS OBTAIN THE REQUIRED CURE TIME/STRENGTH THEY MAY BE OPENED TO TRAFFIC.
 - RELOCATE BARRICADES AND PAVEMENT CLOSURE MARKERS FOR NEXT WORK AREA.
- RESTORE STAGING AREAS.

PHASE	WORK AREA	ALLOWABLE WORK PERIOD	OPERATIONAL STATUS/RESTRICTIONS
1	1	NO RESTRICTIONS	RUNWAY 9/27 AND 15/33 - OPEN TAXIWAYS A, B AND M1 - OPEN ALL APRONS - OPEN TAXIWAY C - PARTIAL CLOSURE RUNWAY 18/36 - CLOSED TAXIWAY P - CLOSED
	2A	CAN NOT BE DONE CONCURRENTLY WITH WORK AREA 2B	ALL RUNWAYS AND TAXIWAYS - OPEN APRONS TERMINAL AND WEST - OPEN SOUTH APRON - PARTIAL CLOSURE
	5	CAN NOT BE DONE CONCURRENTLY WITH WORK AREAS 3 AND 4	ALL RUNWAYS AND TAXIWAYS - OPEN APRONS SOUTH AND WEST - OPEN TERMINAL APRON - PARTIAL CLOSURE
2	3	CAN NOT BE DONE CONCURRENTLY WITH WORK AREAS 4 AND 5	ALL RUNWAYS AND TAXIWAYS - OPEN APRONS SOUTH AND WEST - OPEN TERMINAL APRON - PARTIAL CLOSURE
3	2B	CAN NOT BE DONE CONCURRENTLY WITH WORK AREA 2A	ALL RUNWAYS AND TAXIWAYS - OPEN APRONS TERMINAL AND WEST - OPEN SOUTH APRON - PARTIAL CLOSURE
	4	CAN NOT BE DONE CONCURRENTLY WITH WORK AREAS 3 AND 5	ALL RUNWAYS - OPEN TAXIWAYS B, C, M1 AND P - OPEN WEST APRON - OPEN TAXIWAY A AND TERMINAL APRON - PARTIAL CLOSURE

IL CONTRACT: **AU069**
 IL LETTING ITEM: **03A**
 IL PROJECT: **ARR-4648**
 S.B.G. PROJECT: **3-17-SBGP-144**

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 AURORA, ILLINOIS
 PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING
 GENERAL AVIATION APRON AND TAXIWAY P
 SEQUENCE OF CONSTRUCTION
 PER AC 150/5370-2G (LATEST EDITION)
 SHEET 1

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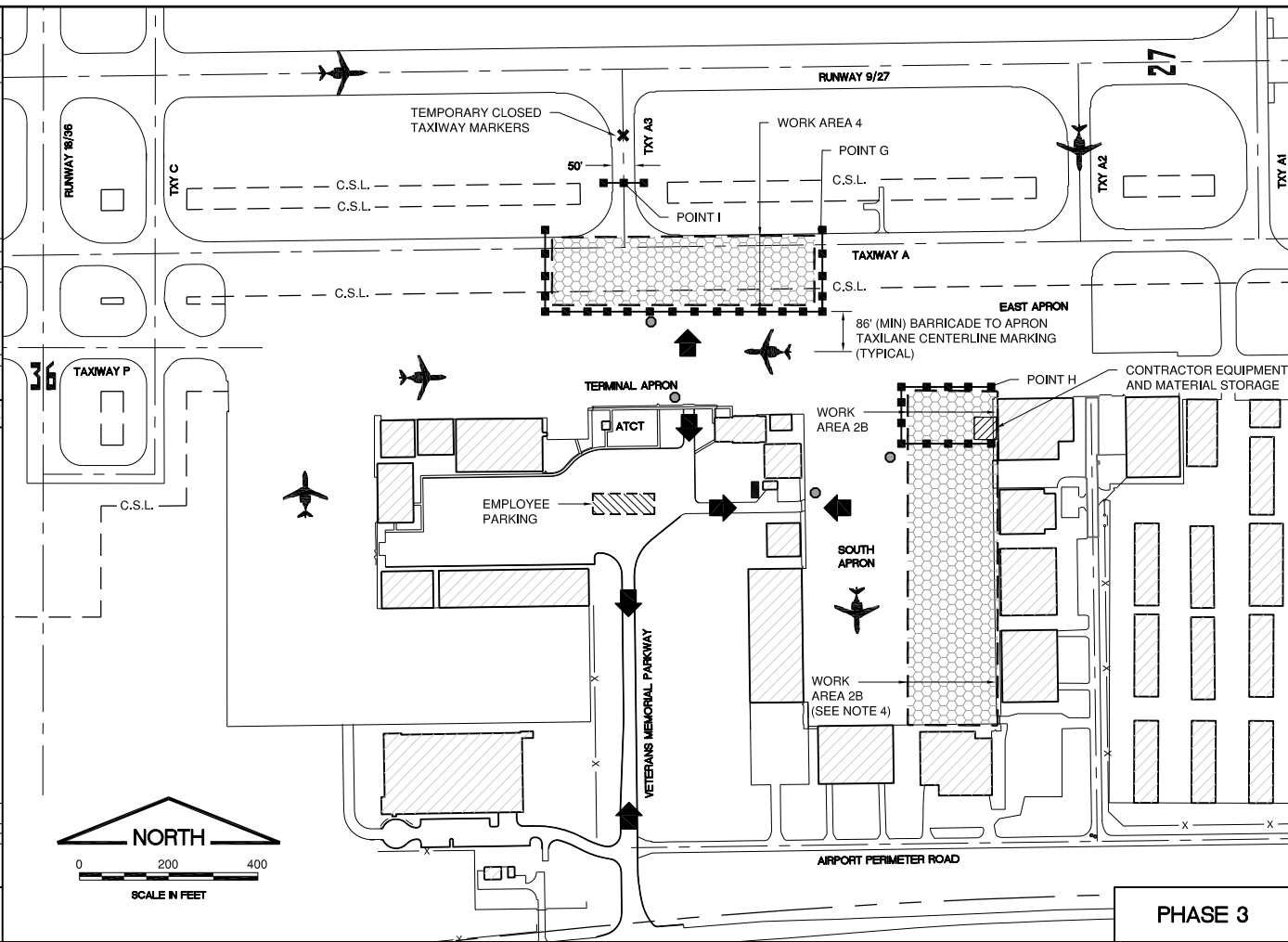
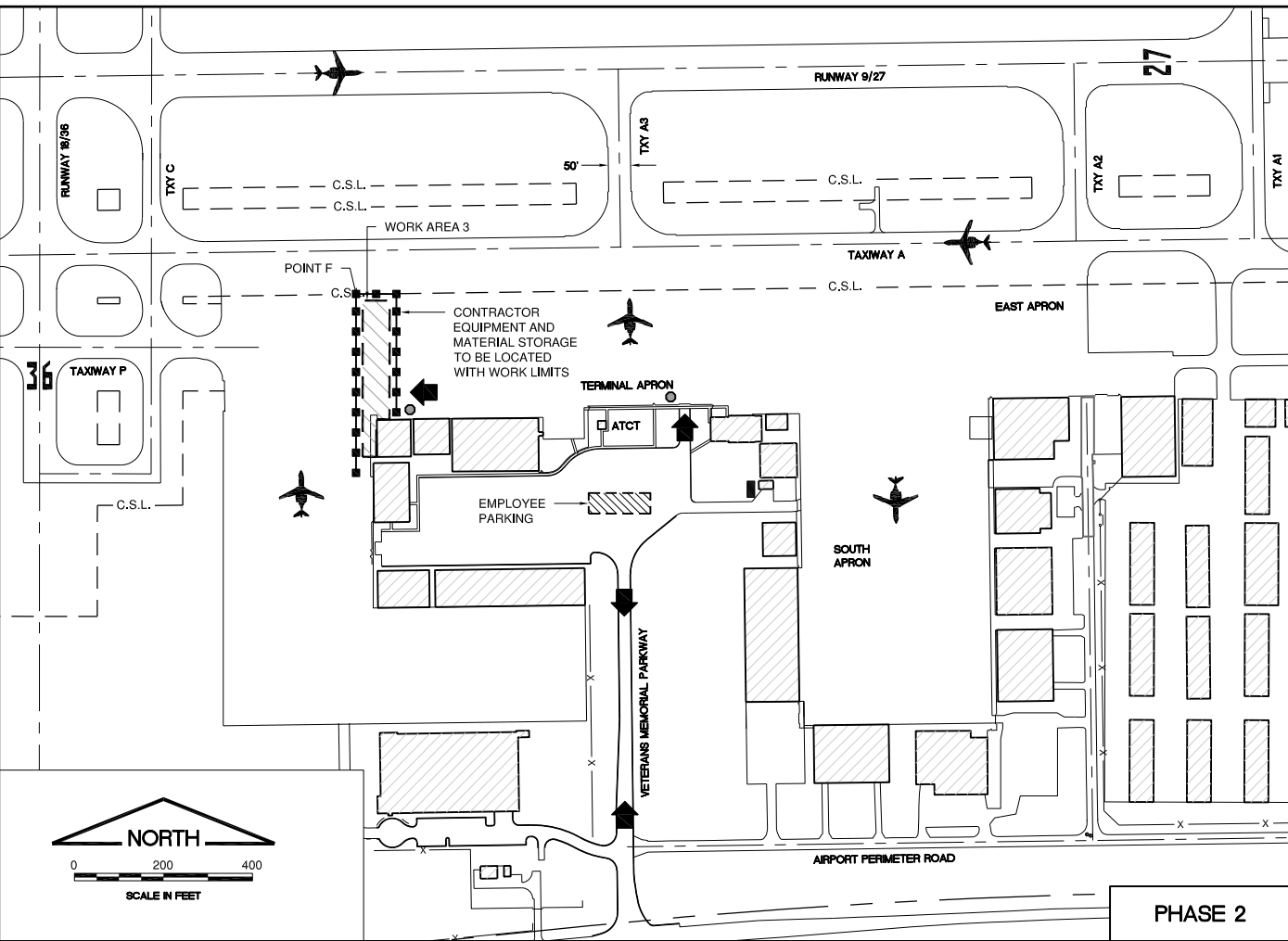
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SHEET 4 OF 17 SHEETS

DATE: Tuesday, September 29, 2020 4:38:19 PM
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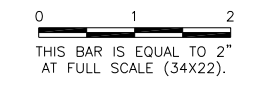
**PHASE 2
SUGGESTED SEQUENCE OF CONSTRUCTION**

- WORK AREA 3
 - COORDINATE WITH RESIDENT ENGINEER AND AIRPORT MANAGER FOR REQUIRED PAVEMENT CLOSURES FOR WORK AREA.
 - PLACE REQUIRED BARRICADES AND PAVEMENT CLOSURE MARKERS, AS REQUIRED.
 - COMPLETE UTILITY AND PAVEMENT IMPROVEMENTS.
 - CLEAN PAVEMENTS, RESTORE DISTURBED WORK AREAS AND REMOVE MISCELLANEOUS DEBRIS FROM WORK AREA.
 - COORDINATE WITH RESIDENT ENGINEER AND AIRPORT MANAGER PAVEMENT CLOSURES FOR NEXT WORK AREA.
 - ONCE PCC PAVEMENTS OBTAIN THE REQUIRED CURE TIME/STRENGTH THEY MAY BE OPENED TO TRAFFIC.
 - RELOCATE BARRICADES FOR NEXT WORK AREA.
- RESTORE STAGING AREAS.


**PHASE 3
SUGGESTED SEQUENCE OF CONSTRUCTION**


- WORK AREAS 2B AND 4
 - COORDINATE WITH RESIDENT ENGINEER AND AIRPORT MANAGER FOR REQUIRED PAVEMENT CLOSURES FOR WORK AREA.
 - PLACE REQUIRED BARRICADES AND PAVEMENT CLOSURE MARKERS, AS REQUIRED (SEE NOTE 4).
 - MEGGER AIRFIELD CIRCUITS WITHIN WORK LIMITS.
 - DE-ENERGIZE TAXIWAYS CIRCUIT OR COVER LIGHT FIXTURES/AIRFIELD SIGNS IN SUCH A WAY TO PREVENT LIGHT LEAKAGE WITHIN OR ADJACENT TO WORK AREA LIMITS.
 - COMPLETE UTILITY ADJUSTMENTS AND PAVEMENT IMPROVEMENTS.
 - REMOVE TEMPORARY CABLING AND RE-ENERGIZE CIRCUITS WITHIN WORK AREA LIMITS AND RE-MEGGER AIRFIELD CIRCUITS.
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IL CONTRACT: AU069	
IL LETTING ITEM: 03A	
IL PROJECT: ARR-4648	
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SURVEY BOOK #	BOOK #
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AURORA, ILLINOIS
PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING
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SEQUENCE OF CONSTRUCTION
PER AC 150/5370-2G (LATEST EDITION)
SHEET 2


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JOB No:	160285-02-00

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 IMAGE FILES: Aurora Municipal Airport Logo FINAL PMS.ctb

GENERAL NOTES

- THE SUGGESTED SEQUENCE OF CONSTRUCTION SHOWN IS INTENDED TO ALLOW FOR THE ORDERLY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS WHILE MAINTAINING AIRCRAFT ACCESS AT ALL TIMES. THE PHASING SHOWN IS A SUGGESTED SEQUENCE OF CONSTRUCTION ONLY. THIS SEQUENCE MAY BE MODIFIED HOWEVER, ALTERNATE STAGING PLANS MUST MAINTAIN AIRPORT OPERATIONS TO THE SATISFACTION OF THE AIRPORT DIRECTOR AND RESIDENT ENGINEER AND BE APPROVED BY THE DIVISION OF AERONAUTICS AND FEDERAL AVIATION ADMINISTRATION.
- ALL OPERATIONS SHALL BE IN CONFORMANCE WITH AC 150/5370-2G (LATEST EDITION) OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
- CONTRACTOR'S EQUIPMENT SHALL BE STORED IN THE EQUIPMENT AND MATERIAL STORAGE/STAGING AREA WHEN CONSTRUCTION IS NOT IN PROGRESS.
- THE AIRPORT DIRECTOR IN CONSULTATION WITH THE RESIDENT ENGINEER SHALL HAVE FINAL SAY IN THE APPROVAL OF THE CONSTRUCTION OPERATING SEQUENCE AS IT RELATES TO PEDESTRIAN, VEHICULAR AND AIRCRAFT SAFETY.
- ALL EXISTING PAVEMENTS, DRIVES OR ANY OTHER AREAS USED AS A HAUL ROAD OR STORAGE AREA BY THE CONTRACTOR SHALL BE RESTORED IN KIND TO THEIR PRE-CONSTRUCTION CONDITION OR TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT DIRECTOR. THE COST OF MAINTAINING, REPAIRING OR CONSTRUCTING THESE PAVEMENTS AND AREAS SHALL BE INCIDENTAL TO THE CONTRACT. EXISTING AREAS OUTSIDE THE PROJECT LIMITS WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR.
- THE CONTRACTOR SHALL KEEP ALL TRUCKS, EQUIPMENT AND MATERIALS OFF OF THE EXISTING TAXIWAYS, APRONS AND RUNWAYS OUTSIDE OF THE PROJECT LIMITS EXCEPT AS SHOWN OR WITH THE PRIOR PERMISSION OF THE AIRPORT MANAGER.
- WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL LIGHTING TO ALLOW FOR PROPER CONSTRUCTION METHODS AND INSPECTIONS. LIGHT SHALL CONSIST OF MOVABLE POLE MOUNTED FLOODLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL BE ALLOWED IN ADDITION TO OTHER LIGHTS MENTIONED ABOVE. LIGHTING SHALL BE AS APPROVED BY THE RESIDENT ENGINEER AND SHALL NOT BE USED IF THEY AFFECT FLIGHT SAFETY. CONTRACTOR'S WORK HOURS SHALL BE IN ACCORDANCE WITH LOCAL ORDINANCES.
- THE CONTRACTOR SHALL PROVIDE PORTABLE FLOOD LIGHTING FOR NIGHTTIME CONSTRUCTION. SUFFICIENT UNITS SHALL BE PROVIDED SO THAT WORK AREAS ARE ILLUMINATED TO A LEVEL OF FIVE HORIZONTAL FOOT CANDLES. THE LIGHTING LEVELS SHALL BE CALCULATED AND MEASURED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE ILLUMINATION ENGINEERING SOCIETY. LIGHTS SHALL BE POSITIONED SO AS NOT TO INTERFERE WITH AIRPORT OPERATIONS.
- THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. WHEN ACTIVE AIRFIELD PAVEMENTS ARE UTILIZED AS HAUL ROADS BY THE CONTRACTOR, MATERIAL TRACKED ON TO THE PAVEMENT SHALL BE CONTINUALLY REMOVED WITH SAID SWEEPER. THIS SWEEPING SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- MATERIALS REMOVED FROM THE PROJECT WILL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS NOTED OTHERWISE.
- PAYMENT FOR TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO BARRICADES, SIGNING, TAXIWAY AND RUNWAY CLOSED MARKERS, AIR OPERATIONS AREA (A.O.A.) LATHE AND RIBBON, ETC. SHALL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. BARRICADES SHALL BE WEIGHED TO PREVENT BLOWING OVER. BARRICADES SHALL HAVE A STEADY BURN OR FLASHING RED LIGHT. BARRICADE INSTALLATION WILL BE REQUIRED PRIOR TO ACCESS TO THE A.O.A. BY CONTRACTOR'S WORKERS. EQUIPMENT OR MATERIAL. SIGNS SHALL BE PLACED AT EACH TAXIWAY/RUNWAY CLOSURE LOCATION AND SHALL BE ATTACHED TO THE BARRICADES. EACH BARRICADE LOCATION SHALL CONSIST OF ONE "DO NOT ENTER" SIGN AND ONE "AIRCRAFT MOVEMENT AREA" SIGN. SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL CONTACT THE AIRPORT DIRECTOR THROUGH THE RESIDENT ENGINEER TEN (10) WORKING DAYS IN ADVANCE OF THE START OF CONSTRUCTION SO THAT THE APPROPRIATE NOTAMS MAY BE ISSUED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED DURING NON WORKING HOURS. THE CONTRACTOR SHALL PROVIDE A SIGN AT THE ACCESS GATE SAYING "AUTHORIZED PERSONNEL ONLY". THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE UPON LEAVING THE SITE. THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGES TO THE ACCESS ROAD, ACCESS GATE OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE RESIDENT ENGINEER. ALL COST RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR WILL BE REQUIRED TO PUT AIRPORT FLAGS AND HAVE BEACON LIGHTS ON ALL EQUIPMENT AT ALL TIMES DURING CONSTRUCTION. SEE FLAG DETAIL.
- IN THE CASE OF AN EMERGENCY, CONTRACTOR SHALL NOTIFY AIRPORT MANAGER AND THE RESIDENT ENGINEER IMMEDIATELY.
- DURING ADVERSE WEATHER, THE CONTRACTOR SHALL MAKE PROVISIONS FOR ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK.
- THE TALLEST PIECE OF CONSTRUCTION EQUIPMENT IS ANTICIPATED TO BE AN ASPHALT/STONE TRUCK WHICH HAS A MAXIMUM HEIGHT OF 25 FEET IN A DUMP POSITION.
- IF RUNWAY NUMERALS ARE PRESENT DURING CONSTRUCTION THEN CONTRACTOR SHALL PLACE CLOSED RUNWAY MARKER OVER NUMERALS AS DETAILED, OTHERWISE PLACE RUNWAY CLOSED MARKER IN TURF AT ENDS OF RUNWAY AS DETAILED.
- AURORA MUNICIPAL AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF WORK WITH THE AIRPORT IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.
- APPROXIMATE LOCATION OF HAUL ROUTES ON THE AIRPORT SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT AND THE PHASING PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE ROADS USED AS HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES SHALL BE JOINTLY INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE ENGINEER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE WORK. ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.
- MOBILIZATION/EQUIPMENT STORAGE AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON THE PLANS. THIS AREA SHALL BE RESTORED TO THE ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT AT THE CONTRACTOR'S EXPENSE.

- LOCATION OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND MUST BE VERIFIED BY THE CONTRACTOR. REPAIR OF DAMAGED CABLE MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, OR AS DIRECTED BY THE OWNER OF THE CABLE OR FACILITY, AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE FROM PREVIOUS EXISTING TERMINATION POINT TO NEXT EXISTING TERMINATION POINT IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF A FAA REPRESENTATIVE. THE OWNER MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.
- COORDINATION MEETINGS - THE CONTRACTOR SHALL CONDUCT WEEKLY COORDINATION MEETINGS TO DISCUSS WORK AREAS AND SCHEDULING, ETC. WITH THE RESIDENT ENGINEER, AIRPORT OPERATIONS, FAA, AND OTHER APPROPRIATE OFFICIALS. MINUTES FROM THE WEEKLY MEETINGS SHALL BE PREPARED BY THE CONTRACTOR, FURNISHED TO ALL ATTENDEES PRIOR TO THE SUBSEQUENT MEETING, AND KEPT ON FILE AT THE FIELD OFFICE. THE COORDINATION MEETING COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES.
- DRAINAGE MODIFICATIONS SHALL BE SEQUENCED TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES AT NO ADDITIONAL COST TO THE CONTRACT.
- CONTRACTOR PERSONNEL, VEHICLES, EQUIPMENT AND BARRICADES SHALL NOT BE ALLOWED WITHIN THE TAXIWAY OBJECT FREE AREA (TOFA) OF ACTIVE TAXIWAYS AND THE RUNWAY SAFETY AREA (RSA) OF ACTIVE RUNWAYS UNLESS OTHERWISE APPROVED BY THE AIRPORT DIRECTOR IN CONSULTATION WITH THE RESIDENT ENGINEER.
- CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A MANNER AS NOT TO VIOLATE FEDERAL AVIATION ADMINISTRATION PART 77 IMAGINARY SURFACES OR RUNWAY AND TAXIWAY SAFETY AREAS.
- ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER ELECTRICAL CABLES SHALL REMAIN IN SERVICE AT ALL TIMES. ALL EXISTING LIGHTING AND VAULT EQUIPMENT SHALL REMAIN IN SERVICE UNTIL PROPOSED IMPROVEMENTS ARE INSTALLED AND OPERATIONAL, UNLESS OTHERWISE APPROVED BY THE RESIDENT ENGINEER. ANY CABLES DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED AT HIS EXPENSE. ANY NECESSARY TEMPORARY JUMPER CABLES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- COORDINATION BY THE CONTRACTOR WITH THE EXISTING UTILITIES SHALL BE COMPLETED BEFORE CONSTRUCTION IS STARTED. CONTRACTOR IS REFERRED TO SECTION 70-17 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR SPECIFIC REQUIREMENTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAVE BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER OR THE DESIGN ENGINEER ASSUME ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED THAT THE LOCATIONS, SIZE AND TYPE MATERIAL OF EXISTING UNDERGROUND UTILITIES AS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT DIRECTOR.
- ALL AIRFIELD LIGHTING AND LIGHTING GUIDANCE SYSTEMS (NAVAIDS) LOCATED WITHIN AND IMMEDIATELY ADJACENT TO THE CONTRACTORS WORK ZONE SHALL BE CHECKED FOR OPERATIONAL CONDITION PRIOR TO THE DEPARTURE FROM THE AIRPORT WITH THE AIRPORT MANAGER. ANY DEFICIENCIES IN THESE SYSTEMS DUE TO THE ACTS OF CONTRACTOR OR HIS SUBCONTRACTORS, SUPPLIERS OR CONSULTANTS SHALL BE REPAIRED IMMEDIATELY.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND 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....

AIRFIELD LIGHTS AND SIGNS NOTES

- CONTRACTOR SHALL COVER ALL AIRFIELD SIGNS AND TAXIWAY LIGHTS ON CLOSED TAXIWAYS UNTIL THE TAXIWAY IS RE-OPENED FOR AIRCRAFT USE. THE METHOD AND MATERIALS USED TO COVER THE SIGNS AND LIGHTS SHALL MEET THE ENGINEER'S AND AIRPORT'S APPROVAL. COST INCIDENTAL TO THE CONTRACT. REMOVING LAMPS FROM ENERGIZED FIXTURES AS A MEANS TO REMOVE THE LIGHTS OR FIXTURES FROM SERVICE SHALL NOT BE ACCEPTABLE.
- CONTRACTOR SHALL TURN OFF RUNWAY EDGE LIGHTING REGULATOR AND LOCK-OUT/TAG-OUT CIRCUIT BREAKER AND CUT OUT INSIDE THE ELECTRICAL VAULT. DURING ALL RUNWAY CLOSURES, CONTRACTOR SHALL COORDINATE ACCESS TO THE VAULT WITH THE AIRPORT MANAGER/RESIDENT ENGINEER PRIOR TO RE-OPENING THE RUNWAY. THE CONTRACTOR SHALL COORDINATE WITH AIRPORT MANAGER/RESIDENT ENGINEER TO RE-ENERGIZE THE RUNWAY CIRCUIT.

LIMITATIONS ON CONSTRUCTION WITHIN RUNWAY SAFETY AREA (RSA) AND TAXIWAY/TAXILANE OBJECT FREE AREA (TOFA)

RUNWAYS:

THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR TEN (10) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS. WORK SHALL BE EXPEDITED IN THESE AREAS AND AT THE END OF EACH WORKING DAY THESE AREAS SHALL BE SMOOTHLY GRADED TO ALLOW THE RUNWAY TO BE REOPENED UNLESS OTHERWISE SHOWN ON THE PLANS. AT LEAST ONE OF THE RUNWAYS SHALL REMAIN IN OPERATION AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE AIRPORT DIRECTOR IN CONSULTATION WITH THE RESIDENT ENGINEER. IF NECESSARY STEEL PLATES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR TO COVER ANY OPEN TRENCHES OR EXCAVATION WITHIN THE RSA IF DURING RUNWAY CLOSURE AN EMERGENCY IS DECLARED. THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE RUNWAY OF ALL VEHICLES, MEN AND EQUIPMENT. REFERENCE TABLE ON PREVIOUS SHEET FOR SAFETY AREA WIDTHS.

TAXIWAYS/TAXILANES:

ANY WORK WITHIN TAXIWAY OBJECT FREE AREA (TOFA) WILL REQUIRE A TAXIWAY CLOSURE. WORK WITHIN THE TOFA SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE TOFA. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR FIVE (5) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS. REFERENCE TABLE ON PREVIOUS SHEET FOR OBJECT FREE AREA WIDTHS. NO DROP-OFFS OR OPEN EXCAVATIONS WILL BE ALLOWED WITHIN THE TAXIWAY SAFETY AREAS OF OPEN TAXIWAYS.

CONTRACTOR CROSSING RUNWAY/TAXIWAY/TAXILANE/APRON AIR OPERATIONS AREA (A.O.A.)

- ANYTIME THE CONTRACTOR IS REQUIRED TO UTILIZE OR CROSS ACTIVE AIRFIELD PAVEMENTS FOR ACCESS TO AND FROM THE WORK ZONE, A CROSSING GUARD OR ESCORT IN RADIO CONTACT WITH THE CONTROL TOWER SHALL BE FURNISHED BY THE CONTRACTOR FOR MOVEMENTS OF VEHICLES OR EQUIPMENT TO AND FROM THE WORK ZONE. THE RADIO OPERATOR SHALL BE FAMILIAR WITH AIRPORT GROUND CONTROL PROCEDURES AND DEMONSTRATE KNOWLEDGE OF SAME TO THE AIRPORT. THE AIRPORT RESERVES THE RIGHT TO APPROVE THE CROSSING GUARDS. THE CONTRACTOR SHALL PROVIDE THEIR OWN RADIOS. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF MUNICIPAL FINES (\$500 PER OCCURRENCE) DUE TO AIRFIELD INCURSIONS BY HIS EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, CONSULTANTS AND/OR AGENTS.
- ANY PAVEMENT DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT DIRECTOR AT NO ADDITIONAL COST TO THE OWNER. PAVEMENT SHALL BE CONTINUALLY SWEEPED TO PROVIDE DEBRIS FREE SURFACE DURING ALL HAUL ROAD OPERATIONS. THIS COST SHALL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- WORK WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE MEN AND EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR TEN (10) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.

DESIGN AIRCRAFT APPROACH CATEGORY: D
DESIGN AIRPORT GROUP: III

GROUND CONTROL FREQUENCY: 121.70
AIR CONTROL FREQUENCY: 120.60
MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT: 25'

CONSTRUCTION POINT TABLE				
POINT	NEAREST ACTIVE RUNWAY	LATITUDE	LONGITUDE	ELEVATION
A	CENTERLINE RUNWAY 15/33	41°46'04.26"	88°28'27.69"	695.4
B	CENTERLINE RUNWAY 9/27	41°46'08.18"	88°28'17.79"	702.4
C	CENTERLINE RUNWAY 15/33	41°46'15.62"	88°28'17.80"	701.7
D	CENTERLINE RUNWAY 9/27	41°46'08.44"	88°27'54.77"	705.8
E	CENTERLINE RUNWAY 9/27	41°46'06.24"	88°27'51.97"	703.7
F	CENTERLINE RUNWAY 9/27	41°46'08.29"	88°28'08.41"	703.0
G	CENTERLINE RUNWAY 18/36	41°46'09.75"	88°27'54.76"	704.0
H	CENTERLINE RUNWAY 9/27	41°46'06.27"	88°27'49.70"	704.5
I	CENTERLINE RUNWAY 9/27	41°46'10.77"	88°28'00.60"	704.4
J	CENTERLINE RUNWAY 15/33	41°46'06.12"	88°28'20.96"	698.6
K	CENTERLINE RUNWAY 9/27	41°46'10.58"	88°28'17.79"	702.4
L	CENTERLINE RUNWAY 9/27	41°46'04.24"	88°27'54.53"	704.4

IL CONTRACT: **AU069**
IL LETTING ITEM: **03A**
IL PROJECT: **ARR-4648**
S.B.G. PROJECT: **3-17-SBGP-144**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE

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

AURORA MUNICIPAL AIRPORT
 AURORA, ILLINOIS
 PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING
 GENERAL AVIATION APRON AND TAXIWAY P

SEQUENCE OF CONSTRUCTION
 GENERAL NOTES

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DESIGN BY: ARM

DRAWN BY: JRO

CHECKED BY: ARM

APPROVED BY: DKP

DATE: 9/11/2020

JOB No: 160285-02-00

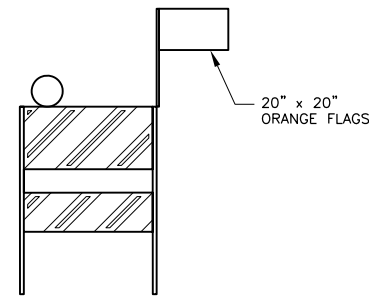
FINAL

XREF DWG: 10-INT-ARCH.DWG

IMAGE FILES: Aurora Municipal Airport Logo FINAL PMS.smg

UPDATE BY: Jim Chise
LAYOUT: Layout1

DATE: Tuesday, September 29, 2020 4:38:47 PM
FILE: K:\Aurora\16285-02 - Rehabilitation\172 Draw Sheets\1628502 - Sequence of Construction Details.dwg

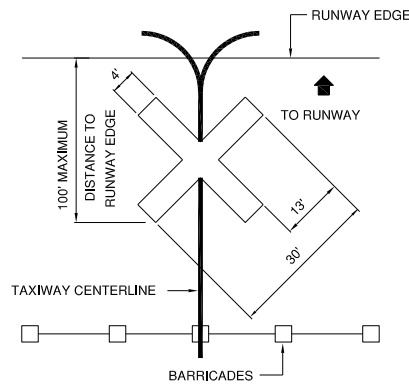


FLASHER BARRICADE DETAIL - IDOT TYPE 2 (WORK AREA 1 ONLY)

NOT TO SCALE

FLASHER BARRICADE NOTES

1. FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BARRICADES AT ALL TIMES TO THE SATISFACTION OF THE AIRPORT.
4. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
5. PLACE BARRICADES AT 4' INTERVALS.
6. ALTERNATE FLASHER LENSES SO THAT EVERY OTHER LENS IS ROTATED 90°.

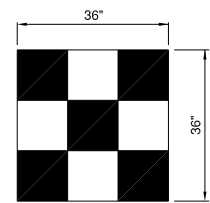


CLOSED TAXIWAY MARKER DETAIL

NOT TO SCALE

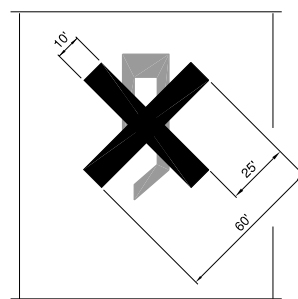
CLOSED TAXIWAY MARKER DETAIL NOTES

1. CLOSED TAXIWAY MARKERS SHALL BE PAINTED WITH TEMPORARY MARKING CAPABLE OF BEING REMOVED WITH LOW PRESSURE WATER BLASTING OR OTHER MATERIAL THAT DOES NOT VIOLATE THE OBJECT FREE AREA CRITERIA AND RUNWAY SAFETY AREA CRITERIA PER ADVISORY CIRCULAR 150/5300-13A (LATEST EDITION) AND ARE APPROVED BY THE AIRPORT.
2. CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION
3. COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
4. PLACE MARKERS OVER TAXIWAY CENTERLINE.
5. MARKERS SHALL BE ADEQUATELY SECURED TO PREVENT MOVEMENT BY PROPELLER WASH, JET BLAST OR OTHER WIND CURRENTS.
6. MARKERS ARE ONLY REQUIRED FOR TAXIWAYS CLOSED THREE (3) CONSECUTIVE DAYS OR MORE.



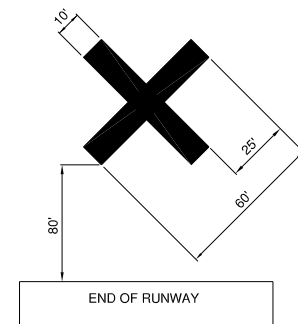
CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG

NOT TO SCALE



ON PAVEMENT CLOSED RUNWAY MARKER DETAIL

NOT TO SCALE

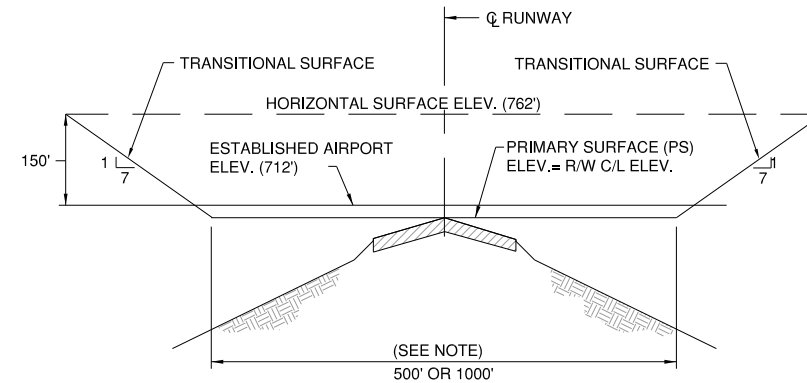


OFF PAVEMENT CLOSED RUNWAY MARKER DETAIL

NOT TO SCALE

CLOSED RUNWAY MARKER DETAIL NOTES

1. CLOSED RUNWAY MARKERS SHALL BE YELLOW.
2. MARKERS SHALL BE MATERIAL APPROVED BY THE ENGINEER.
3. CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION
4. MARKERS ON PAVEMENT SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS AS SHOWN.
5. COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
6. DURING VARIOUS PHASES OF WORK, IT WILL BE NECESSARY TO CLOSE RUNWAYS TO AIR TRAFFIC ON A TEMPORARY BASIS AS COORDINATED WITH THE AIRPORT AND TOWER PERSONNEL. THE CONTRACTOR SHALL MARK THE RUNWAYS TO BE CLOSED BY PLACING A YELLOW CROSS AT THE LOCATION AND DIMENSIONS DETAILED ON THIS SHEET. THE CROSSES ARE SHOWN ON THE RESPECTIVE RUNWAYS ACCORDING TO THE VARIOUS PHASES OF WORK AS DELINEATED IN THE SUGGESTED SEQUENCE OF CONSTRUCTION.

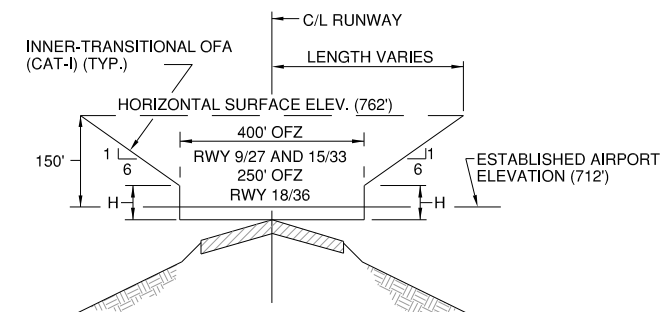


TYPICAL SECTION F.A.R. PART 77 IMAGINARY SURFACES

NO SCALE

NOTE:

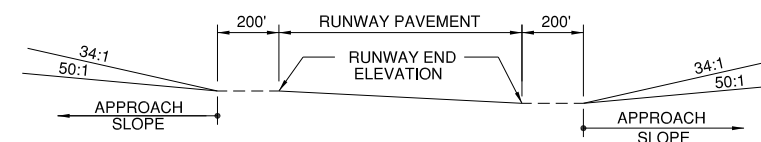
IMAGINARY SURFACE REQUIREMENTS FOR EXISTING ACTIVE RUNWAYS (R/W) ARE SIMILAR EXCEPT PRIMARY SURFACE (PS) DIMENSIONS VARY
 R/W 18-36 500' PS (250' LT & RT OF C)
 R/W 9-27, 15/33 1000' PS (500' LT & RT OF C)



TYPICAL SECTION OBSTACLE FREE ZONE (OFZ)

NO SCALE

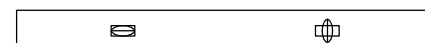
RUNWAY	TYPE OF RUNWAY	H (FEET)
9-27	PRECISION (CAT I)	43
15-33 18-36	NON-PRECISION	150



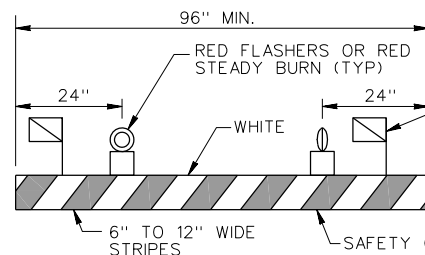
TYPICAL PROFILE F.A.R. PART 77 IMAGINARY SURFACES

NO SCALE

RUNWAY END	ELEVATION	APPROACH SLOPE
9	707	50:1
27	706	34:1
18	700	20:1
36	700	20:1
15	712	34:1
33	699	34:1



PLAN VIEW



SIDE VIEW

AIRSIDE LOW PROFILE LIGHTED BARRICADE (WORK AREAS 1 - 4)

NOT TO SCALE

BARRICADE NOTES

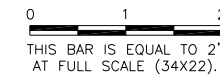
1. FLASHER OR STEADY BURN LIGHTS SHALL BE BATTERY OPERATED. LENS SHALL BE RED AND BE ABLE TO ROTATE 90°.
2. FACING OF BARRICADE SHALL BE COVERED WITH REFLECTIVE TAPE OR PAINT.
3. BARRICADES TO BE PLACED WITH A MAXIMUM OF 4' SPACING END TO END UP TO THE EDGE OF PAVEMENT ALONG OPERATIONAL PAVEMENT ADJACENT TO CONSTRUCTION AS DIRECTED BY THE RESIDENT ENGINEER. ALTERNATE FLASHER OR STEADY BURN LENSES SO THAT EVERY OTHER LENS IS ROTATED 90°.
4. FLASHER OR STEADY BURN LIGHTS SHALL BE SECURED TO THE BARRICADES, AS APPROVED BY THE RESIDENT ENGINEER.
5. BARRICADES SHALL BE OF LOW MASS, EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT OR ANY OF IT COMPONENTS, AND WEIGHTED TO AVOID BEING BLOWN OVER.
6. BARRICADES SHALL BE OF A COMMERCIAL DESIGN AND SHALL MEET CURRENT FAA REQUIREMENTS.
7. PLACE ALL BARRICADES OUTSIDE RUNWAY SAFETY AREAS AND OUTSIDE TAXIWAY OBJECT FREE AREAS.
8. ALL COST ASSOCIATED WITH THE LOW PROFILE BARRICADES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

IL CONTRACT: **AU069**
 IL LETTING ITEM: **03A**
 IL PROJECT: **ARR-4648**
 S.B.G. PROJECT: **3-17-SBGP-144**

SURVEY BOOK # BOOK #

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AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING
GENERAL AVIATION APRON AND TAXIWAY P

SEQUENCE OF CONSTRUCTION
DETAILS

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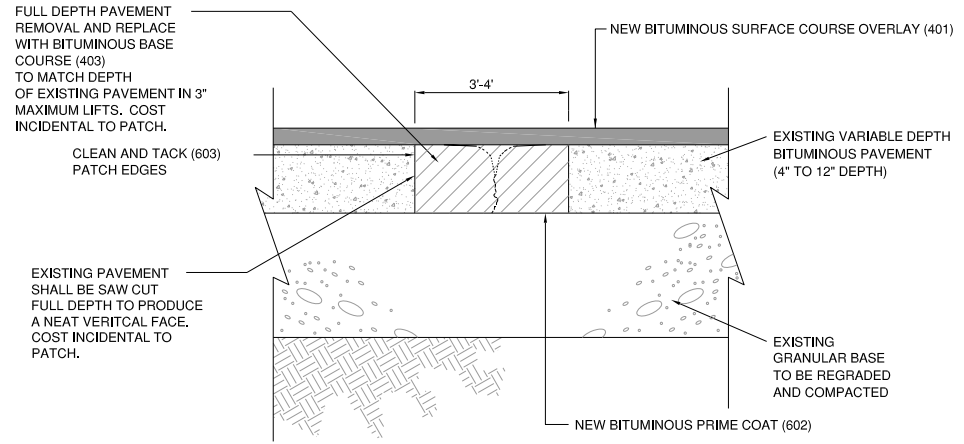


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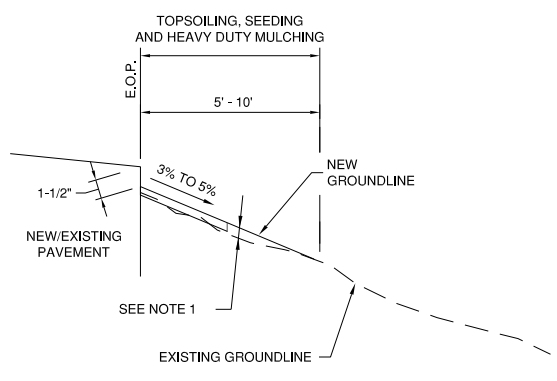


REMOVE AND REPLACE BITUMINOUS PAVEMENT - TYPE B

NOT TO SCALE

PAVEMENT REMOVAL AND REPLACEMENT NOTES

1. DEPTHS OF EXISTING PAVEMENTS SECTIONS ARE APPROXIMATE BASED ON DATA SUPPLIED BY RECORDS, AIRPORT PERSONNEL, AND PAVEMENT CORES. THE CONTRACTOR SHALL VERIFY THE TYPE AND THICKNESS OF MATERIAL TO REMOVE. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY VARIATION IN THE PAVEMENT SECTIONS ACTUALLY ENCOUNTERED.
2. PAVEMENT REMOVAL AND REPLACEMENT QUANTITIES ARE ESTIMATED. EXISTING MEDIUM TO HIGH SEVERITY TRANSVERSE CRACKS ARE SPACED AT VARIABLE INTERVALS. THE RESIDENT ENGINEER SHALL LAY OUT PAVEMENT REMOVAL AND REPLACEMENT AREAS IN THE FIELD DURING CONSTRUCTION.
3. THIS WORK SHALL BE DETERMINED IN THE FIELD WITH THE AIRPORT/ENGINEER AFTER INSPECTION OF THE MILLED SURFACE..

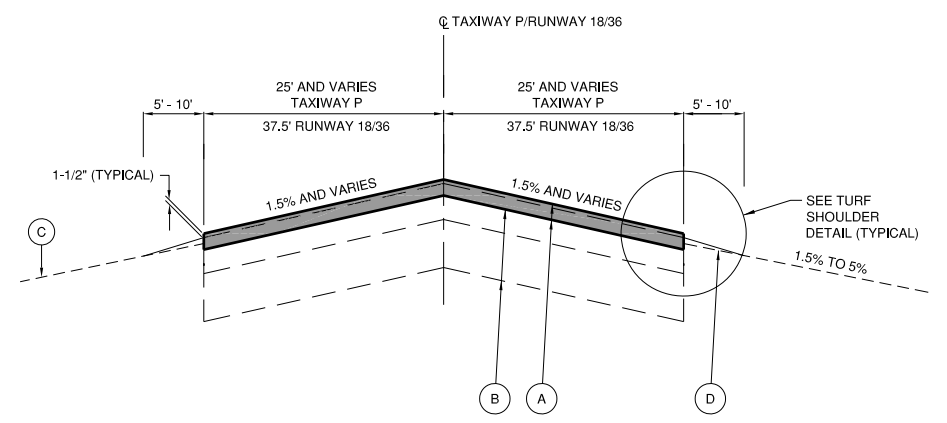


TURF SHOULDER DETAIL

NOT TO SCALE

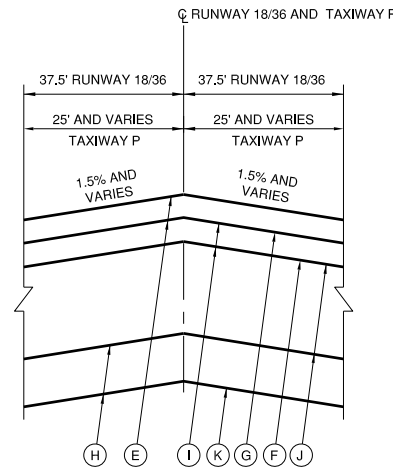
NOTES:

1. TOPSOIL REQUIRED FOR FILL WILL VARY IN DEPTH.
2. LIMITS OF TURF SHOULDER SHALL BE ADJUSTED IN THE FIELD AS REQUIRED.



**RUNWAY 18/36 AND TAXIWAY P
TYPICAL SECTION A-A**

NOT TO SCALE
NOTE: SEE SHEET 9 FOR KEY MAP



**RUNWAY 18/36 AND TAXIWAY P
TYPICAL SECTION B-B**

NOT TO SCALE
NOTE: SEE SHEET 9 FOR KEY MAP

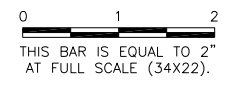
LEGEND

- (A) NEW 2"± BITUMINOUS SURFACE MILLING (401)
NEW 2" BITUMINOUS SURFACE COURSE (401)
NEW BITUMINOUS TACK COAT (603)
- (B) EXISTING BITUMINOUS PAVEMENT (DEPTH VARIES)
- (C) EXISTING GROUNDLINE
- (D) TOPSOILING (905), SEEDING (800) AND HEAVY DUTY MULCHING (800)
- (E) NEW 2" BITUMINOUS SURFACE COURSE (401)
- (F) NEW PRIME COAT (602)
- (G) NEW TACK COAT (603) (BETWEEN LIFTS)
- (H) NEW 12" POROUS GRANULAR EMBANKMENT (208)
- (I) NEW 2" BITUMINOUS BASE COURSE (403)
- (J) NEW 13" CRUSHED AGGREGATE BASE COURSE (209)
- (K) NEW SOIL STABILIZATION FABRIC (152)

IL CONTRACT: **AU069**
IL LETTING ITEM: **03A**
IL PROJECT: **ARR-4648**
S.B.G. PROJECT: **3-17-SBGP-144**

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AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
**PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING
GENERAL AVIATION APRON AND TAXIWAY P**

**TYPICAL SECTIONS
PAVEMENT REHABILITATION DETAILS**

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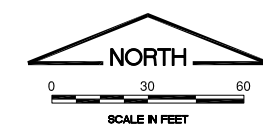
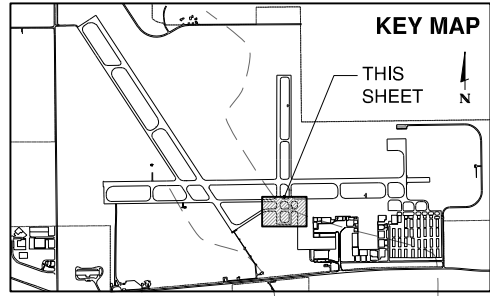
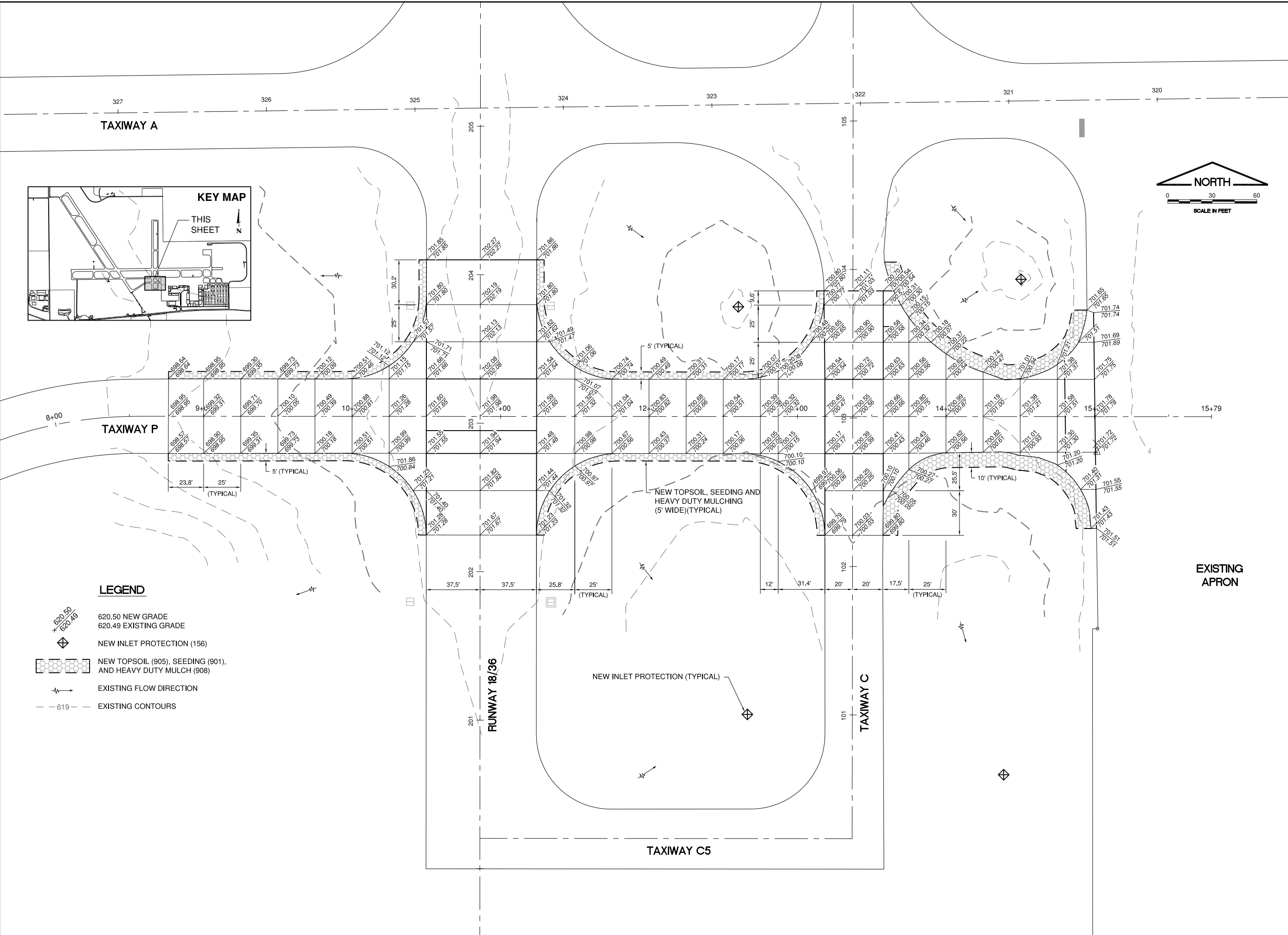
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UPDATE BY: Jim Chase
 LAYOUT: JACOY

IMAGE FILES: Aurora Municipal Airport Logo FINAL PMS.smg
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0 1 2
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS

PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING GENERAL AVIATION APRON AND TAXIWAY P

GRADING AND EROSION CONTROL PLAN
TAXIWAY P

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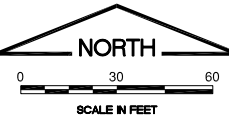
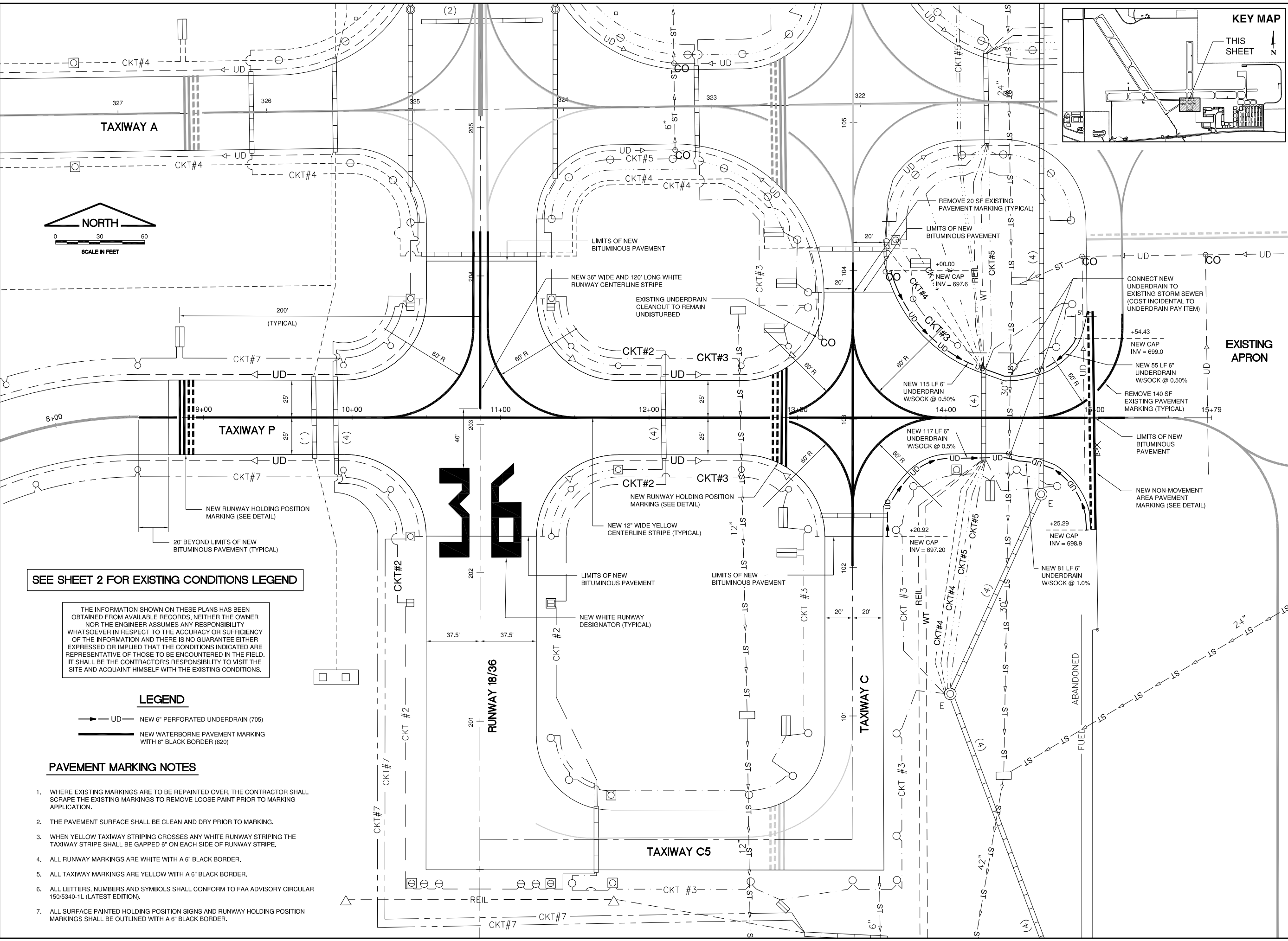
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SHEET 10 OF 17 SHEETS

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 terminal ga 20 161pg



SEE SHEET 2 FOR EXISTING CONDITIONS LEGEND

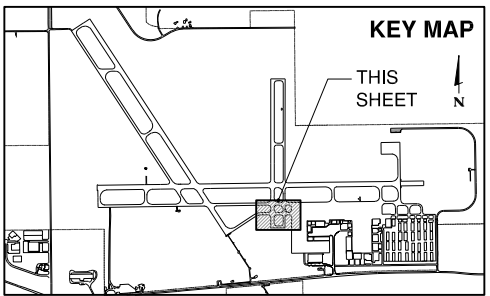
THE INFORMATION SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION AND THERE IS NO GUARANTEE EITHER EXPRESSED OR IMPLIED THAT THE CONDITIONS INDICATED ARE 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

- NEW 6" PERFORATED UNDERDRAIN (705)
- NEW WATERBORNE PAVEMENT MARKING WITH 6" BLACK BORDER (620)

PAVEMENT MARKING NOTES

1. WHERE EXISTING MARKINGS ARE TO BE REPAINTED OVER, THE CONTRACTOR SHALL SCRAPE THE EXISTING MARKINGS TO REMOVE LOOSE PAINT PRIOR TO MARKING APPLICATION.
2. THE PAVEMENT SURFACE SHALL BE CLEAN AND DRY PRIOR TO MARKING.
3. WHEN YELLOW TAXIWAY STRIPING CROSSES ANY WHITE RUNWAY STRIPING THE TAXIWAY STRIPE SHALL BE GAPPED 6" ON EACH SIDE OF RUNWAY STRIPE.
4. ALL RUNWAY MARKINGS ARE WHITE WITH A 6" BLACK BORDER.
5. ALL TAXIWAY MARKINGS ARE YELLOW WITH A 6" BLACK BORDER.
6. ALL LETTERS, NUMBERS AND SYMBOLS SHALL CONFORM TO FAA ADVISORY CIRCULAR 150/5340-1L (LATEST EDITION).
7. ALL SURFACE PAINTED HOLDING POSITION SIGNS AND RUNWAY HOLDING POSITION MARKINGS SHALL BE OUTLINED WITH A 6" BLACK BORDER.



IL CONTRACT: **AU069**
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0 1 2
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34x22).

AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING
GENERAL AVIATION APRON AND TAXIWAY P
UNDERDRAIN AND MARKING PLAN
TAXIWAY P

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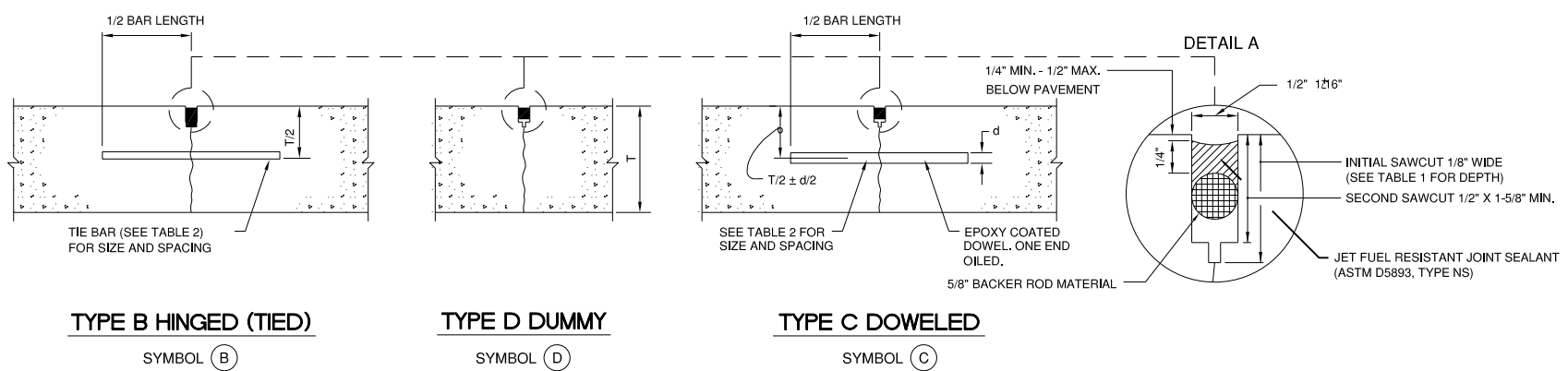
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SHEET 11 OF 17 SHEETS

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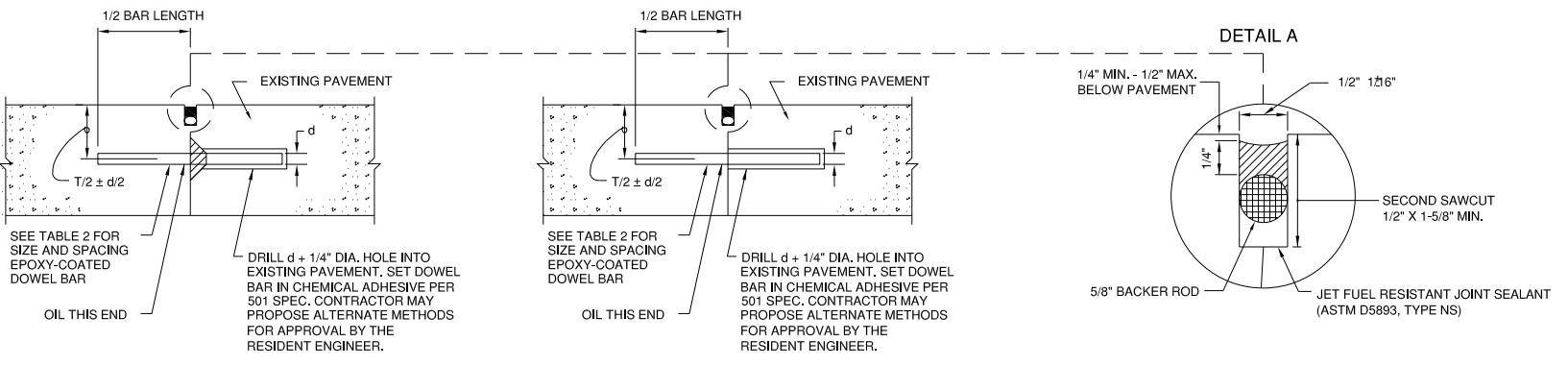
TYPE B HINGED (TIED)
SYMBOL (B)

TYPE D DUMMY
SYMBOL (D)

TYPE C DOWELED
SYMBOL (C)

CONTRACTION JOINTS

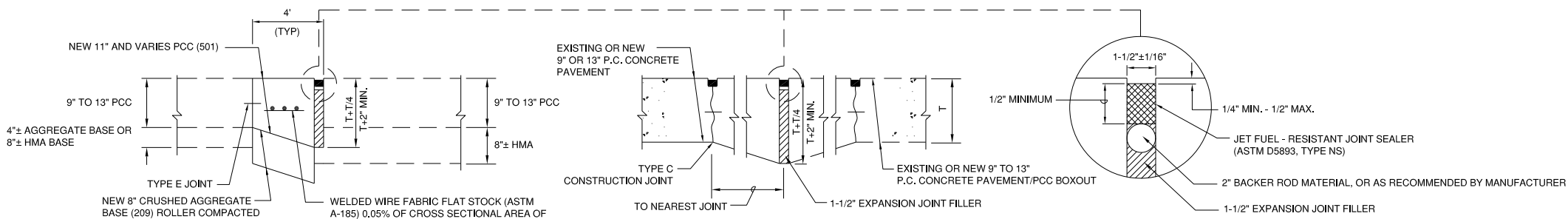
- NOTES:**
- EXISTING KEYWAY LINER TO BE REMOVED AND KEYWAY CLEANED TO THE SATISFACTION OF THE RESIDENT ENGINEER.
 - INSTALL NEW DOWEL BAR PER TABLE 2.
 - FILL EXISTING KEYWAY WITH AN IDOT APPROVED NON-SHRINK GROUT, MORTAR OR CONCRETE REPAIR MIXTURE.



TYPE E DOWELED AT EXISTING KEYED INTERFACE
SYMBOL (E)

TYPE E DOWELED
SYMBOL (E)

CONSTRUCTION JOINTS



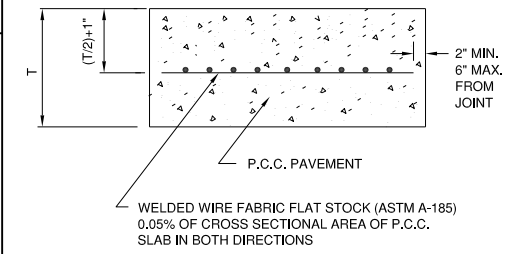
NEW 4' WIDE PCC PAVEMENT

NEW THICKENED EDGE

NEW TYPE A ISOLATION JOINT
SYMBOL (A)

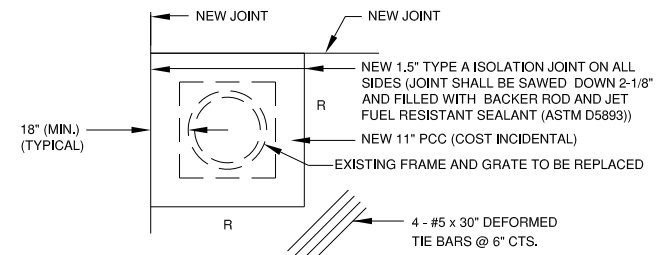
JOINT NOTES

- ALL EDGES OF NEW SLABS, FREE STANDING OR CLOSURE, SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/8" TO 1/4" TO FACILITATE SAWING OF THE SEALANT RESERVOIR. A RADIUS > 1/4" WILL NOT BE ACCEPTABLE.
- THE INITIAL SAWCUT FOR ALL LONGITUDINAL AND TRANSVERSE CONTRACTION JOINTS SHALL BE SAWS AS SOON AS POSSIBLE AFTER PLACEMENT OF THE PAVEMENT. SAWING OF LONGITUDINAL CONTRACTION JOINTS ADJACENT TO THE THICKENED EDGES SHALL BE GIVEN PRIORITY OVER OTHER LONGITUDINAL JOINT SAWING.
- ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY, WHICH WILL INSURE THAT THEY WILL REMAIN PARALLEL TO THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- ALL TIE BARS AND MESH SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR PLACED BY OTHER APPROVED METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT.
- TIE BARS SHALL BE DEFORMED BARS IN CONFORMANCE WITH ASTM A615 OR ASTM A616, EXCEPT THAT RAIL STEEL BARS, GRADE 50 OR 60 SHALL NOT BE USED FOR THE BARS THAT ARE TO BE BENT OR RESTRAIGHTENED DURING CONSTRUCTION. TIE BARS DESIGNATED AS GRADE 40 IN ASTM A615 CAN BE USED FOR CONSTRUCTION REGARDING BENT BARS.
- THE INITIAL SAWCUT SHALL BE MADE TO THE 1/8" WIDTH INDICATED. INITIAL SAWING TO THE DIMENSION OF THE SECOND SAWCUT WILL NOT BE ALLOWED.
- JOINTS SHALL BE DRY AND CLEAN BEFORE SEALING OPERATIONS BEGIN.
- COST OF ALL JOINT SAWING, CLEANING AND SEALING OF NEW CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED PAY ITEM AND NO SEPARATE PAYMENT SHALL BE MADE.
- SHOULD THE POURING OPERATIONS REQUIRE THE INSERTION OF AN INTERMEDIATE HEADER, A DOWEL BASKET ASSEMBLY OR OTHER APPROVED METHOD OF DOWEL BAR PLACEMENT SHALL BE REQUIRED.
- DOWEL BASKET ASSEMBLIES MEETING IDOT APPROVAL MAY BE PROPOSED BY THE CONTRACTOR TO BE APPROVED BY THE ENGINEER. DOWELS IN THE APPROVED BASKET ASSEMBLIES SHALL CONFORM TO TABLE 2.



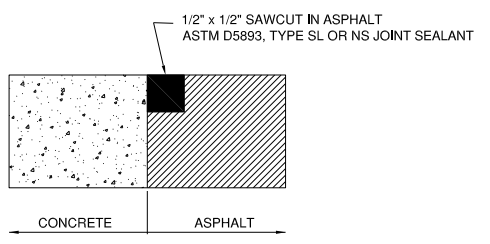
ODD SHAPED PANEL REINFORCEMENT
SYMBOL R

NOTE: REINFORCEMENT SHALL NOT CROSS ANY JOINT



PAVEMENT BLOCKOUT DETAIL FOR EXISTING MANHOLES/INLETS/UTILITIES
NOT TO SCALE

- ABOVE BLOCKOUT SHALL BE CONSTRUCTED FOR EXISTING MANHOLE/INLET/UTILITIES CONSTRUCTION. DIMENSION OF BOXOUT MAY VARY TO FIT FIELD CONDITIONS.
- R - DENOTES ODD SHAPED REINFORCED PANELS TO BE REINFORCED WITH WIRE FABRIC AS SHOWN ON THIS SHEET. ALL NON RECTANGULAR SHAPED PANELS SHALL BE REINFORCED. (REINFORCEMENT NOT SHOWN).
- ALL CONCRETE AND OTHER MATERIALS SHALL BE IN CONFORMANCE WITH THE SPECIFICATION FOR ITEMS 501 AND 605.



JOINT SEALING AT CONCRETE ASPHALT INTERFACE
N.T.S.

NOTE: JOINT DIMENSIONS SHALL MEET MANUFACTURER'S RECOMMENDATION

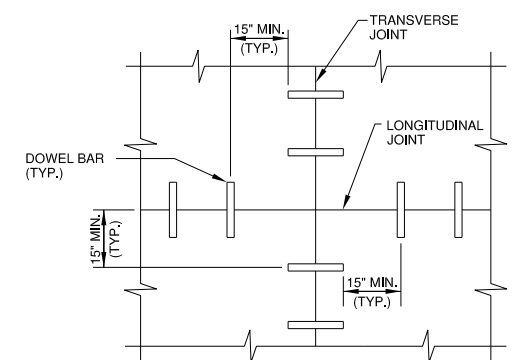
TABLE 1

PAVEMENT THICKNESS T - INCHES	DEPTH OF CONTRACTION JOINT INITIAL SAW CUT T, INCHES T=(T/4) ±1/4"
9	2.25"
10	2.50"
11	2.75"
12	3"
13	3.25"

TABLE 2

PAVEMENT THICKNESS T - INCHES	DOWEL BAR DETAILS			TIE BAR DETAILS		
	DIA. (d)	LENGTH	SPACING	BAR SIZE	LENGTH	SPACING
8" - 12"	1"	19"	12"	#5	30"	30"

DIMENSION TABLES

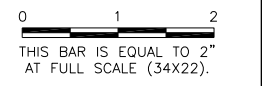


DOWEL PLACEMENT DETAIL
NOT TO SCALE

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AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING GENERAL AVIATION APRON AND TAXWAY P
PAVEMENT JOINTING DETAILS

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STORM WATER POLLUTION PREVENTION NOTES

THE FOLLOWING IS TO ESTABLISHED BEST MANAGEMENT PRACTICES TO BE 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 RECONSTRUCTING EXISTING HMA PAVEMENTS, PCC PAVEMENT REPLACEMENT, TOPSOIL PLACEMENT, SEEDING AND MULCHING AT AURORA MUNICIPAL 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 CONCRETE WASHOUT AT CONTRACTOR STAGING AREA.
2. INSTALL TEMPORARY EROSION CONTROL MEASURES.
3. EXCAVATE FOR NEW PAVEMENTS.
4. CONSTRUCT NEW PAVEMENTS.
5. FINAL GRADING AND OTHER MISCELLANEOUS ITEMS.
6. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING AND MULCH.

AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE THAT WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES IS LESS THAN ONE (1) ACRE.

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

THE CONSTRUCTION SITE DRAINS INTO STORM SEWERS THAT OUTLET INTO THE WELCH CREEK.

SEDIMENTATION AND EROSION CONTROL NOTES

THE RESIDENT ENGINEER WILL PERFORM PERIODIC INSPECTION OF THE SITE TO IDENTIFY POTENTIAL SEDIMENT AND EROSION ISSUES.

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 WITHIN SEVEN (7) DAYS OF DISTURBANCE.

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 CONTRACTOR'S 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 OFF SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.
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 INCIDENTAL TO THE CONTRACT.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

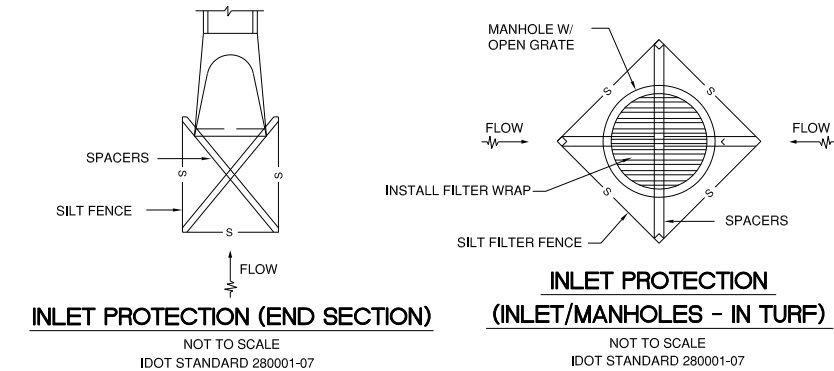
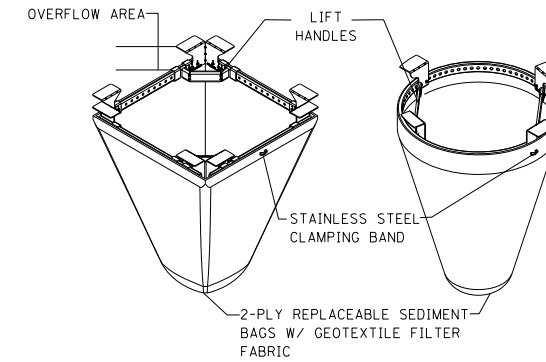
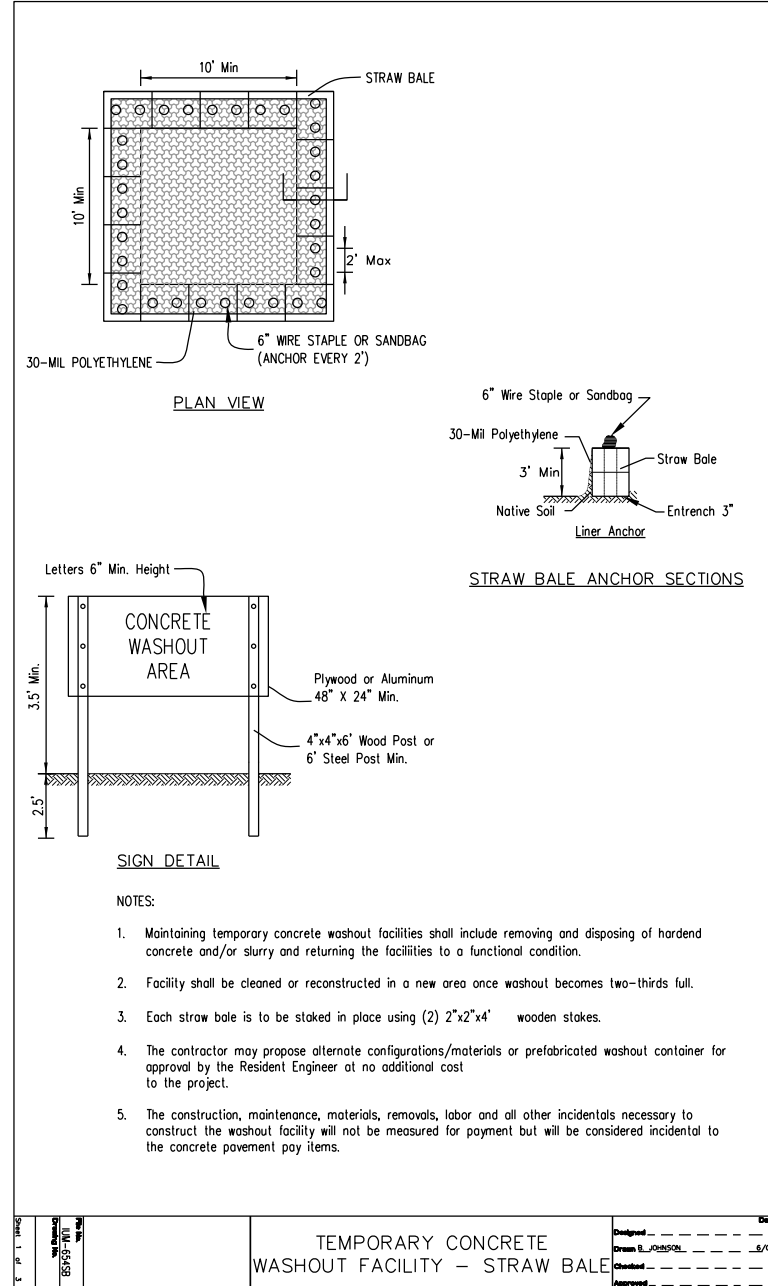
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS ARE SEEDED AND ESTABLISHED.

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.

AUTOCAD2006



NOTES FOR INLET PROTECTION DETAILS

1. FILTER WRAP TO BE PLACED IN ALL SLOPE BOX INLETS, INLETS, MANHOLES, TRENCH DRAINS AND CATCH BASINS LOCATED IN PAVED AREAS AND NONPAVED AREAS.
2. FABRIC SHALL BE IN CONFORMANCE WITH ARTICLE 1080.03 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2016.
3. FABRIC SHALL OVERLAY FRAME BY 2" (MIN.).
4. CONTRACTOR SHALL CLEAR DEBRIS AND SILT AS REQUIRED FROM FABRIC TO MAINTAIN DRAINAGE THROUGH THE STRUCTURE.
5. FABRIC SHALL REMAIN IN PLACE UNTIL COMPLETION OF PAVEMENT REHABILITATION.
6. COST OF FILTER WRAP AND MAINTENANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

IL CONTRACT: **AU069**
 IL LETTING ITEM: **03A**
 IL PROJECT: **ARR-4648**
 S.B.G. PROJECT: **3-17-SBGP-144**

SURVEY BOOK # BOOK #

REVISIONS

NUMBER	BY	DATE

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

AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING
GENERAL AVIATION APRON AND TAXIWAY P

STORM WATER POLLUTION PREVENTION
NOTES AND DETAILS

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DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	ARM
APPROVED BY:	DKP
DATE:	9/11/2020
JOB No:	160285-02-00

FINAL

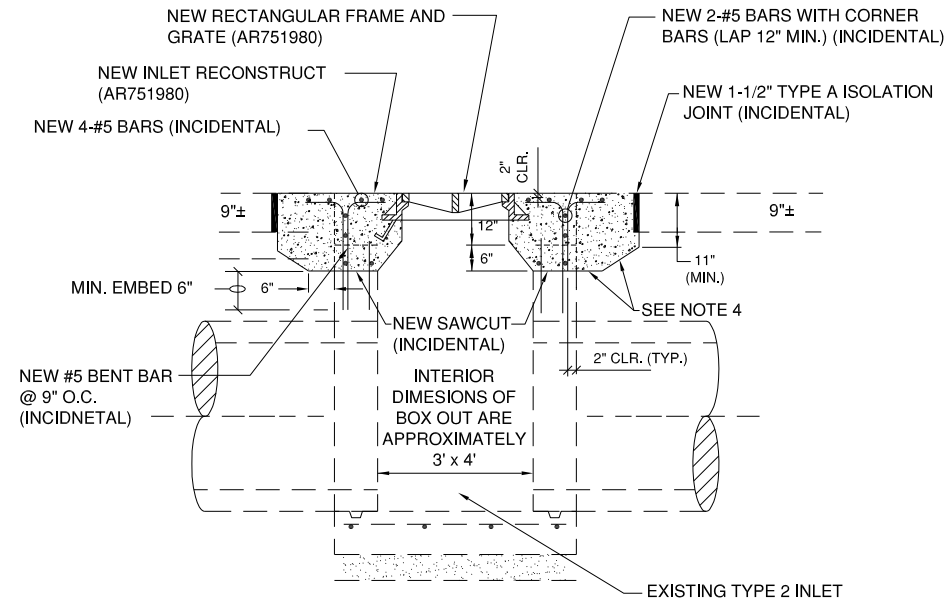
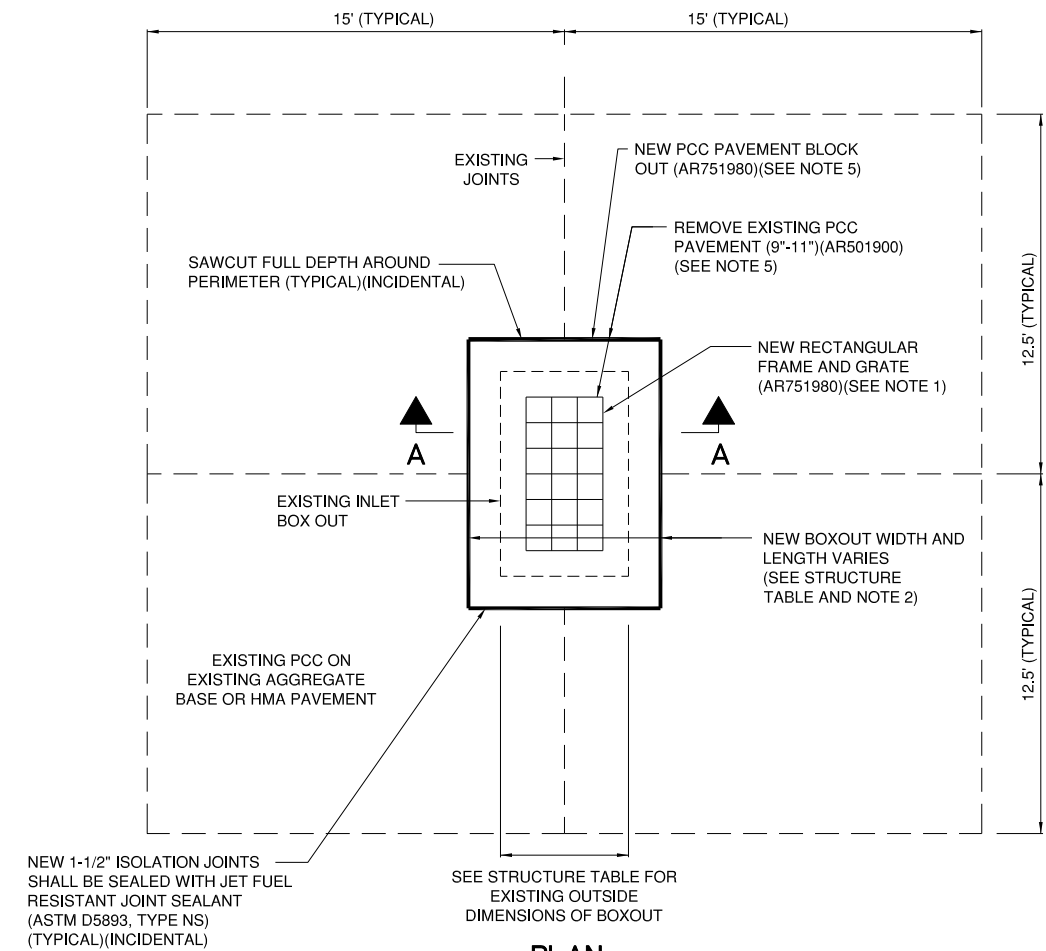
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 UPDATE BY: Jim Ohee
 LAYOUT: Layout1
 IMAGE FILES: Aurora Municipal Airport Logo FINAL PMS.png
 XREF DWG: 16285-02.dwg

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 XREF DWG: Detail.dwg
 IMAGE FILES: Aurora Municipal Airport Logo FINAL.PNS.png
 UPDATE BY: Jim Ohee
 LAYOUT: Layout1

STRUCTURE TABLE		
STRUCTURE NUMBER	DESCRIPTION OF WORK	APPLICABLE PAY ITEMS
D1	EXISTING TYPE 2 DRAINAGE INLET TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 8' X 7' NEW CONCRETE BOX OUT 10'X9' W/ NEW FRAME AND GRATE	AR751980 RECONSTRUCT INLET AR501900 REMOVE PCC PAVEMENT
D2	EXISTING TYPE 2 DRAINAGE INLET TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 6'X5' NEW CONCRETE BOX OUT 10'X9' W/ NEW FRAME AND GRATE	AR751980 RECONSTRUCT INLET AR501900 REMOVE PCC PAVEMENT
D3	EXISTING TYPE 2 DRAINAGE INLET TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 6'X5' NEW CONCRETE BOX OUT 10'X9' W/ NEW FRAME AND GRATE	AR751980 RECONSTRUCT INLET AR501900 REMOVE PCC PAVEMENT
D4	EXISTING TYPE 2 DRAINAGE INLET TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 6'X5' NEW CONCRETE BOX OUT 10'X9' W/ NEW FRAME AND GRATE	AR751980 RECONSTRUCT INLET AR501900 REMOVE PCC PAVEMENT
D5	EXISTING TYPE 2 DRAINAGE INLET TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 9.5'X8' NEW CONCRETE BOX OUT 10.5'X9' W/ NEW FRAME AND GRATE	AR751980 RECONSTRUCT INLET AR501900 REMOVE PCC PAVEMENT
D6	EXISTING TYPE 2 DRAINAGE INLET TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 8' X 8' NEW CONCRETE BOX OUT 10.5'X9.5' W/ NEW FRAME AND GRATE	AR751980 RECONSTRUCT INLET AR501900 REMOVE PCC PAVEMENT
D7	EXISTING TYPE 2 DRAINAGE INLET TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 10'X8' NEW CONCRETE BOX OUT 11'X9' W/ NEW FRAME AND GRATE	AR751980 RECONSTRUCT INLET AR501900 REMOVE PCC PAVEMENT
D8	EXISTING TYPE 2 DRAINAGE INLET TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 6'X5' NEW CONCRETE BOX OUT 6'X5' W/ NEW FRAME AND GRATE	AR751980 RECONSTRUCT INLET AR501900 REMOVE PCC PAVEMENT
U1	EXISTING ELECTRICAL HANDHOLE TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 6'X5.5' W/ 32" DIA. CLOSED LID AND FRAME. NEW CONCRETE BOX OUT 7'X6.5' W/ NEW 32" DIA. CLOSED LID AND FRAME (AIRPORT RATED), STAMPED ELECTRIC.	AR800109 RECONSTRUCT UTILITY STRUCTURE AR501900 REMOVE PCC PAVEMENT (NEW LID/FRAME ARE INCIDENTAL TO UTILITY RECONSTRUCT PAY ITEM)
U2	EXISTING MONITORING WELL TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 2.1'X2.1' W/ 8" DIA. BOLTED LID AND FRAME. NEW CONCRETE BOX OUT 2.5'X2.5' W/ NEW 8" DIA. BOLTED AND CLOSED LID AND FRAME (AIRPORT RATED), STAMPED MONITORING WELL.	AR800109 RECONSTRUCT UTILITY STRUCTURE AR501900 REMOVE PCC PAVEMENT (NEW LID/FRAME ARE INCIDENTAL TO UTILITY RECONSTRUCT PAY ITEM)
U3	EXISTING SANITARY MANHOLE TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 5'X5' W/ 24" DIA. BOLTED LID AND FRAME. NEW CONCRETE BOX OUT 5'X5' W/ NEW 24" DIA. BOLTED AND SEALED LID AND FRAME (HEAVY DUTY RATED), STAMPED SANITARY.	AR800109 RECONSTRUCT UTILITY STRUCTURE AR501900 REMOVE PCC PAVEMENT (NEW LID/FRAME ARE INCIDENTAL TO UTILITY RECONSTRUCT PAY ITEM)
U4	EXISTING UNDER DRAIN CLEANOUT TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 6'X4' NEW CONCRETE BOX 6' x 5' W/ NEW 24" DIA CLOSED LID AND FRAME (AIRPORT RATED)	AR 800109 RECONSTRUCT UTILITY STRUCTURE AR501900 REMOVE PCC PAVEMENT (NEW LID/FRAME ARE INCIDENTAL TO UTILITY RECONSTRUCT PAY ITEM)
U5	EXISTING UNDER DRAIN CLEANOUT TO BE RECONSTRUCTED EXISTING CONCRETE BOX OUT 5'X4' NEW CONCRETE BOX OUT 5' x 5' W/ NEW 24" DIA CLOSED LID AND FRAME (AIRPORT RATED)	AR 800109 RECONSTRUCT UTILITY STRUCTURE AR501900 REMOVE PCC PAVEMENT (NEW LID/FRAME ARE INCIDENTAL TO UTILITY RECONSTRUCT PAY ITEM)

NOTES

- NEW RECTANGULAR FRAME AND GRATES SHALL BE AIRPORT RATED, MADE OF DUCTILE IRON OR GREY IRON. WITH A MINIMUM OPEN AREA OF 2.4 SF. COST OF FRAME AND GRATE IS INCIDENTAL TO ITEM AR751980
- THE APPROXIMATE NEW DIMENSION OF THE INLET BOX OUT IS PROVIDED IN THE STRUCTURE TABLE. THE FINAL DIMENSIONS SHALL BE COORDINATED WITH RESIDENT ENGINEER IN THE FIELD.
- ADDITIONAL PCC PAVEMENT REMOVED BEYOND THE CURRENT BOX OUT DIMENSIONS SHALL BE PAID FOR AS ITEM AR501900. ALL CONCRETE, STEEL REINFORCEMENT AND JOINTING NECESSARY TO RECONSTRUCT THE INLET/UTILITY STRUCTURE SHALL BE INCIDENTAL TO ITEM AR751980/AR751995.
- PRIOR TO CONCRETE PLACEMENT ALL DISTURBED SUBGRADES/SUBBASES SHALL BE BACKFILLED, SMOOTHLY GRADED AND COMPACTED TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- ORIENTATION OF BOXOUTS TO EXISTING PCC PAVEMENTS VARIES IN THE FIELD.
- ALL PCC MATERIALS, REINFORCEMENT AND JOINTING SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS FOR ITEMS 501 AND 605.



RECONSTRUCT INLET (ITEM AR751980)

SEE PLANS FOR LOCATIONS

IL CONTRACT: **AU069**
 IL LETTING ITEM: **03A**
 IL PROJECT: **ARR-4648**
 S.B.G. PROJECT: **3-17-SBGP-144**

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AURORA MUNICIPAL AIRPORT
AURORA, ILLINOIS
PHASE 2: AIRFIELD PAVEMENT REHABILITATION INCLUDING GENERAL AVIATION APRON AND TAXWAY P
RECONSTRUCT INLET DETAILS AND NOTES

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AURORA
 MUNICIPAL AIRPORT

DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	ARM
APPROVED BY:	DKP
DATE:	9/11/2020
JOB No:	160285-02-00

FINAL