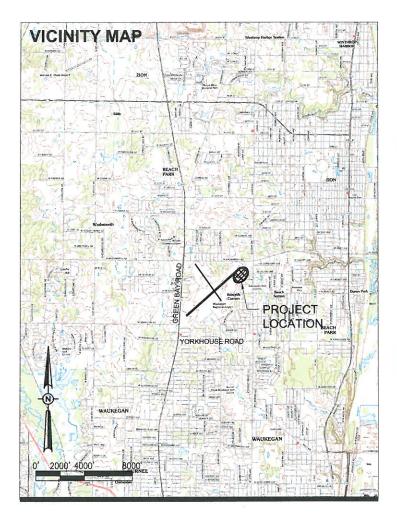
WA070 TOTAL SHEETS = 21

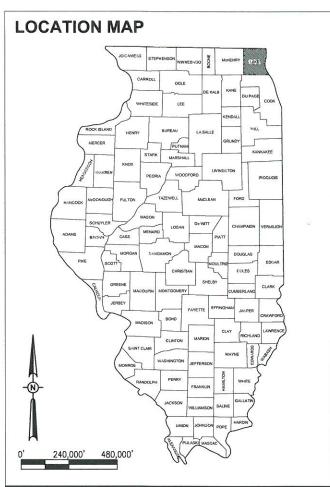
CONSTRUCTION PLANS

REPAIR OF 300' AT NE END OF TAXIWAY A - CONTRACT 2

WAUKEGAN PORT DISTRICT
WAUKEGAN NATIONAL AIRPORT (UGN)
WAUKEGAN, LAKE COUNTY, ILLINOIS

SBG PROJECT NO. 3-17-SBGP-TBD IDA PROJECT NO. UGN-4225





NOTICE TO CONTRACTORS AND BIDDERS

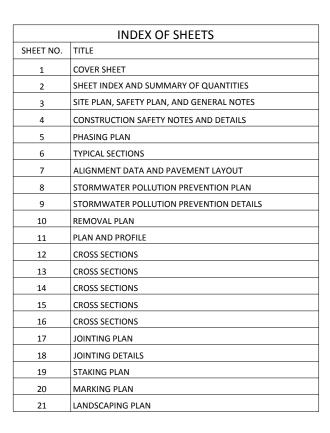
THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

No.	Issue/Description	Sheets Changed	
			_
			+









	SUMMARY OF QU	ANTITIES		
ITEM NO.	DESCRIPTION	UNIT	AS BID	RECORD PAID
AR150510	ENGINEER'S FIELD OFFICE	LUMP SUM	1.0	
AR150530	TRAFFIC MAINTENANCE	LUMP SUM	1.0	
AR150540	HAUL ROUTE	LUMP SUM	1.0	
AR152410	UNCLASSIFIED EXCAVATION	CUBIC YARD	673.0	
AR156510	SILT FENCE	LINEAR FOOT	1,148.0	
AR156520	INLET PROTECTION	EACH	4.0	
AR156531	EROSION CONTROL BLANKET	SQAURE YARD	623.0	
AR209605	CRUSHED AGG. BASE COURSE - 5"	SQUARE YARD	2,129.0	
AR302611	ASPHALT TREATED PERMEABLE SUBBASE	SQUARE YARD	2,129.0	
AR302630	ATPS TEST SECTION	EACH	1.0	
AR501508	8" PCC PAVEMENT	SQUARE YARD	2,068.0	
AR501530	PCC TEST BATCH	EACH	1.0	
AR501665	PCC PAVEMENT SAWING	LINEAR FOOT	278.0	
AR501900	REMOVE PCC PAVEMENT	SQUARE YARD	2,045.0	
AR602510	BITUMINOUS PRIME COAT	GALLONS	639.0	
AR620520	PAVEMENT MARKING - WATERBORNE	SQUARE FOOT	382.0	
AR620525	PAVEMENT MARKING - BLACK BORDER	SQUARE FOOT	1,186.0	
AR620530	PAVEMENT MARKING - EPOXY	SQUARE FOOT	695.0	
AR620590	TEMPORARY MARKING	SQUARE FOOT	550.0	
AR620900	PAVEMENT MARKING REMOVAL	SQUARE FOOT	550.0	
AR901510	SEEDING	ACRE	0.2	
AR905520	TOPSOILING (FROM OFF SITE)	CUBIC YARD	69.0	

PAYMENT WILL BE MADE UNDER THE ITEM NUMBERS, DESCRIPTIONS AND UNITS NOTED IN THE ABOVE TABLE IN ACCORDANCE WITH THE BASIS OF PAYMENT FOR EACH RESPECTIVE WORK ITEM NOTED IN THE SPECIAL PROVISIONS, COMPLETED AND ACCEPTED BY THE ENGINEER.



Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

NO.	DATE	DES	CRIPT	ION
NO.	אלו	DES	DWN	REV
ISSUE:	June 4,	2015		
	T 110		_	

PROJECT NO: 14A0153

CAD FILE: 02-SOQ.DWG

DESIGN BY: KMS 04/13/2015

DRAWN BY: KMS 04/20/2015

REVIEWED BY: RMH 06/04/2015

SHEET TITLE

SHEET INDEX AND SUMMARY OF QUANTITIES

SCALE IN FEET

DESCRIPTION

CONSTRUCTION EQUIPMENT

CONSTRUCTION EQUIPMENT

HAUL ROUTE

CONTRACTOR STAGING AREA

ENGINEER'S FIELD OFFICE

ITEM NO.

CONTROL TOWER

OBJECT INFORMATION

LATITUDE

42° 25' 34.1254" N

42° 25' 31.7653" N

42° 25' 27.8935" N

42° 25' 25.9647" N

42° 25' 01.0673" N

OBJECT

ELEVATION

738.7

735.5

726.3

732.0

721.1

GROUND

ELEVATION

718.7

715.5

706.3

712.0

706.1

MOBILITY

STATIONARY

MOVING

MOVING

STATIONARY

STATIONARY

NOTES:

ON THE LANDSCAPING AND SWPP PLAN.

RUNWAY 5-23

OFFSET

250.2

300.6

419.5

547.4

928.8

RUNWAY 5-23

STATION

159+38.15

156+34.72

151+77.99

150+27.81

116+69.17

LONGITUDE

87° 51' 30.7223" N

87° 51' 33.3051" N

87° 51' 36.8110" N

87° 51' 37.1795" N

87° 52' 07.4312" N

RUNWAY 5-23

EXIST EL.

723.1

721.0

717.9

716.8

710.5

- COORDINATES ARE IN NAD 83 FOR HORIZONTAL EXISTING CONTROL POINTS AND NAVD 88 FOR VERTICAL.
- 2. STATIONS, OFFSETS AND ELEVATIONS SHOWN ARE IN FEET.
- 3. THE APPROACH END OF RUNWAY 5 IS STATION 100+00. THE APPROACH END OF RUNWAY 32 IS STATION 200+00.
- 4. THE AIRPORT REFERENCE CODE FOR RUNWAY 14-32 IS B-II WITH VISUAL APPROACHES ON BOTH RUNWAY 14 AND RUNWAY 32.
- 5. THE AIRPORT REFERENCE CODE FOR RUNWAY 5-23 IS D-III WITH NONPRECISION APPROACH GREATER THAN 3/4 MILE FOR RUNWAY 5 AND PRECISION APPROACH TO RUNWAY 23.

GENERAL NOTES

THIS PROJECT IS TO REPAIR A 300' LENGTH OF THE NORTHEAST END OF TAXIWAY A AT WAUKEGAN NATIONAL AIRPORT INCLUDING. AMONG OTHER INCIDENTAL WORK, THE FOLLOWING ITEMS

- PLACEMENT OF TEMPORARY EROSION CONTROL MEASURES
- PROVISION OF TRAFFIC MAINTENANCE AND HAUL ROUTE.
- FULL DEPTH REMOVAL & PROVISION OF REQUIRED UNCLASSIFIED EXCAVATION
- RECONSTRUCTION OF PCC PAVEMENTS AND STABILIZED SUBBASE.
- PLACEMENT OF PAVEMENT MARKINGS
- GRADE, TOPSOIL, AND SEED AND COVER WITH EROSION CONTROL BLANKET OUTSIDE OF PAVED AREAS.

PROTECTION OF EXISTING AIRPORT FACILITIES

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

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

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE FAA (SMO) THROUGH THE RESIDENT ENGINEER TO LOCATE ALL FAA CABLES ON THE PROJECT SITE. ALL FAA CABLES SHALL BE PROTECTED

CONTRACTOR'S ACCESS AND TEMPORARY FACILITIES

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

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

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

RESPONSIBILITY FOR EXISTING UTILITIES

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

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND AGENCIES OF HIS CONSTRUCTION PLANS AND SHALL OBTAIN FROM EACH PARTY DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF ALL UTILITIES AND THE WORKING SCHEDULE OF ANY REMOVALS OR ADJUSTMENTS REQUIRED OF THE UTILITY. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (PHONE 800-892-0123) TO ASSIST IN THE ABOVE.

CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA.

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

THE CONTRACTOR IS TO COORDINATE GATE SECURITY, THROUGH THE RESIDENT ENGINEER, WITH THE AIRPORT MANAGEMENT. AIRPORT SECURITY SHALL BE MAINTAINED AT ALL TIMES.

N 2095587.482 E 1109729.492 ELEV. 705.1

SACS 1 N 2098251.587 1112341,241 ELEV. 717.6

SACS 2 N 2096854.703 E 1110827.340 ELEV. 709.1

RUNWAY END COORDINATES						
DESCRIPTION	LATITUDE	LONGITUDE	STATION	ELEVATION		
RUNWAY 5 END	42° 24' 57.0507" N	87° 52' 32.2310" W	100+00.00	725.75		
RUNWAY 23 END	42° 25' 36.3758" N	87° 51' 32.3244" W	159+98.70	723.50		
RUNWAY 14 END	42° 25' 39.5792" N	87° 52' 22.7232" W	237+49.37	727.97		
RUNWAY 14 END	42° 25' 35.5735" N	87° 52' 18.8240" W	232+49.41	728.14		

Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



WALKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT 2601 Plane Rest Drive Waukegan, Illinois 60087 Telephone: 847,244,0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -**CONTRACT 2**

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

	NO.	DATE	DES	CRIPT	ION
	NO.	אלוב	DES	DWN	RE\
į	SSUE:	June 4,	2015		

PROJECT NO: 14A0153

CAD FILE: 03-SITE PLAN.DWG DESIGN BY: KMS 04/06/2015 DRAWN BY: KMS 04/06/2015

REVIEWED BY: RMH 06/04/2015

SHEET TITLE

SITE PLAN, SAFETY PLAN, & **GENERAL NOTES** CONSTRUCTION OF THE PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE GUIDELINES SPECIFIED IN FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT ISSUE) AND THE AIRPORT VEHICLE OPERATIONS REGULATIONS (AS PUBLISHED ON THE AIRPORT'S WEBSITE AT http://waukeganport.com/wkgn_airport/). ANY ACTIVITIES REQUIRED FOR PROJECT

SEQUENCE OF CONSTRUCTION

TO MINIMIZE DISRUPTIONS TO AIRPORT OPERATIONS, CONSTRUCTION OPERATIONS MUST BE CONTROLLED THROUGHOUT THE PROJECT'S DURATION AND WORK MUST BE COMPLETED EXPEDITIOUSLY. A CONSTRUCTION PHASING PLAN DETAILING THE SEQUENCING OF THE CONTRACTOR'S WORK THROUGHOUT THE PROJECT SHALL BE FURNISHED TO THE RESIDENT ENGINEER BY THE CONTRACTOR AT THE PRE-CONSTRUCTION CONFERENCE FOR THE REVIEW AND APPROVAL OF THE OWNER AND PROJECT ENGINEER. ANY AND ALL CHANGES TO THE CONSTRUCTION PHASING PLAN THAT IS SUBSEQUENTLY APPROVED THAT MAY BE REQUESTED BY THE CONTRACTOR AFTER PROJECT START MUST BE APPROVED BY THE PROJECT ENGINEER AND THE AIRPORT OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT ADVANCE NOTICE OF ANY PROPOSED PHASING CHANGE TO PERMIT CONSIDERATION AND APPROVAL BY THE PROJECT ENGINEER AND THE AIRPORT OWNER. THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY EXTRA COMPENSATION NOR EXTENSION TO THE CONTRACT TIME BECAUSE OF A PHASING CHANGE REQUEST NOR FOR ANY TIME NECESSARY IN RECEIVING THE REQUIRED APPROVALS. THE CONTRACTOR SHALL EXPEDITE WORK AT THOSE PHASES WHEN ACTIVE TAXIWAYS, APRONS, ROADWAYS OR PARKING LOTS MUST BE CLOSED TO MINIMIZE THE LENGTH OF TIME THAT AIRPORT

AT THE PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL PROVIDE A CONTRACTOR COORDINATION PLAN THAT COORDINATES HIS WORK WITH THE WORK OF HIS SUBCONTRACTORS AND THE WORK OF OTHER CONTRACTORS OF OTHER AIRPORT PROJECTS.

THE CONTRACTOR SHALL REMAIN WITHIN THE CONSTRUCTION LIMITS SHOWN ON THE PLANS. THE CONTRACTOR SHALL FURNISH MEASURES TO PREVENT EQUIPMENT AND PERSONNEL FROM OPERATING OUTSIDE THESE LIMITS.

THE CONTRACTOR SHALL FURNISH BARRICADES FOR ANY AIRFIELD OR ROADWAY PAVEMENT TO BE CLOSED BY HIS WORK. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, PLACE AND MAINTAIN BARRICADES AS SHOWN IN DETAIL B, THIS SHEET, AND AS DIRECTED BY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR. THE COST OF THESE ICOMPLETED EXPEDITIONS OF AN ACTIVE TAXIWAY OR APRON TO BE CLOSED MUST BE COMPLETED EXPEDITIONSLY TO MINIMIZE DISRUPTION TO AIRCRAFT OPERATIONS.

THE CONTRACTOR SHALL ERECT AND MAINTAIN, AT NO COST TO THE CONTRACT, DIRECTIONAL AND INFORMATIONAL SIGNS FOR THE CONTRACTOR'S ACCESS ROUTES AT THE EXISTING CONSTRUCTION ENTRANCE AND FOR THE CONTRACTOR'S ROUTE WITHIN THE AIRPORT OPERATIONS AREA, AS NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT

AIRFIELD OPERATIONAL SAFETY DURING CONSTRUCTION

THE CONTRACTOR SHALL NOT HAVE ACCESS TO ANY PART OF THE ACTIVE AIRFIELD (RUNWAYS, TAXIWAYS OR APRONS) FOR ANY EQUIPMENT OR PERSONNEL WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER AND THE AIRPORT OWNER. ACTIVITIES WITHIN THE AIRPORT OPERATIONS AREA (AOA) ARE SUBJECT TO FEDERAL ACCESS CONTROL. BECAUSE OF THE HIGH REQUIREMENTS FOR AIRPORT SECURITY AND SAFETY, THE FOLLOWING REQUIREMENTS MUST BE ADHERED TO:

- ALL EMPLOYEES OF THE CONTRACTOR SHALL PARK THEIR PERSONAL VEHICLES IN THE DESIGNATED EQUIPMENT PARKING AND STORAGE AREA. EACH PERSON OR VEHICLE ENTERING THE CONTRACTOR AREA SHALL DO SO IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE AIRPORT OWNER. THE CONTRACTOR WILL TRANSPORT THE WORKERS FROM THE PARKING AREAS TO THE WORK AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE OF THE PROPOSED EQUIPMENT STORAGE AND PARKING
- SHOULD ANY CONTRACTOR PERSONNEL BE IDENTIFIED AS NONCOMPLIANT WITH ANY VEHICLE DRIVING SAFETY REQUIREMENTS IN THIS SAFETY PLAN OR IN THE AIRPORT VEHICLE OPERATIONS REGULATIONS, SUCH DRIVERS SHALL BE PENALIZED BY RESCISSION OF THEIR ON-AIRPORT DRIVING PRIVILEGES, AND THEIR ACCESS TO THE CONSTRUCTION LIMIT AREA WHEN OPERATING VEHICLES SHALL BE REVOKED.
- THE CONTRACTOR WILL BE REQUIRED TO BE IN CONTACT WITH AIRPORT OPERATIONS. THIS WILL KEEP THE CONTRACTOR IN CONTACT WITH AIRPORT PERSONNEL AND ENABLE THE AIRPORT PERSONNEL TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

THE CONTRACTOR SHALL REMAIN WITHIN THE CONSTRUCTION LIMITS LINE SHOWN IN THE PLANS. WHEN OUTSIDE THESE LIMITS, ALL CONTRACTOR ACTIVITIES SHALL REMAIN MORE THAN 200 FEET FROM THE CENTERLINE AND 300 FEET FROM THE CENTERLINE AND 1.000 FEET FROM THE END OF ACTIVE RUNWAY 5-23. FOR WORK NEAR TAXIWAYS AND APRONS, THE CONTRACTOR'S PERSONNEL AND EQUIPMENT MUST REMAIN AT LEAST 93 FEET FROM ACTIVE CATEGORY III TAXIWAYS, AND TEN (10) FEET FROM ACTIVE APRONS. WHEN CONSTRUCTION OPERATIONS MUST BE CONDUCTED WITHIN THESE SEPARATIONS, THE PAVEMENT MUST BE CLOSED TO AIRCRAFT ACTIVITY BY THE CONTRACTOR BY PROVIDING TEMPORARY BARRICADES AS SHOWN IN THE PLANS.

CLOSING OF ANY RUNWAY BY CONTRACTOR ACTIVITIES SHALL NOT BE PERMITTED IN THIS PROJECT.

THE CONTRACTOR SHALL KEEP ALL OF HIS EQUIPMENT AND PERSONNEL AT LEAST 15 FEET FROM THE EDGE OF ANY ACTIVE ROADWAY OR AUTO PARKING PAVEMENT. WHEN HIS ACTIVITIES REQUIRE WORKING WITHIN 15 FEET OF THE ROAD/PAVEMENT EDGE, THE CONTRACTOR SHALL PROVIDE FOR TRAFFIC CONTROL IN ACCORDANCE WITH IDOT SPECIFICATIONS

OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIAL AT THE CONSTRUCTION SITE SHALL BE DELINEATED WITH THE USE OF BARRICADES DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS. NO OPEN TRENCHES SHALL BE ALLOWED WITHIN THE RUNWAY SAFETY AREA (RSA) OR THE TAXIWAY SAFETY AREA (TSA) WHEN THE RUNWAY OR TAXIWAY IS OPEN TO AIR TRAFFIC (INCLUDING OVERNIGHT). THE RSA IS DEFINED AS 75 FEET FROM THE CENTERLINE AND 300 FEET FROM THE END OF RUNWAY 14-32, AND 250 FEET FROM THE CENTERLINE AND 1,000 FEET FROM THE END OF RUNWAY 5-23. THE TSA IS MEASURED AT 59 FEET FROM THE CATEGORY III TAXIWAY CENTERLINE. NO VERTICAL DROP OF GREATER THAN 3-INCHES IN HEIGHT FROM PAVEMENT EDGE TO EARTH GRADE TO EARTH GRAD OR EARTH DROPS IN THE EVENT OF UNEXPECTED WORK STOPPAGES FOR WEATHER OR AIRPORT EMERGENCIES.

WHEN NOT IN USE AND DURING NONWORKING HOURS. CONTRACTOR'S FOULPMENT SHALL BE PARKED WITHIN THE CONTRACTOR'S FOULPMENT STORAGE AND PARKING AREAS. THE EQUIPMENT STORAGE AND PARKING AREAS ARE TO BE LOCATED AS SHOWN ON THE STAGING PLAN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION ENTRANCE IN GOOD CONDITION. THE COST OF MAINTAINING THE CONSTRUCTION ENTRANCE IS TO BE INCIDENTAL TO THE CONTRACT.

AT NO TIME SHALL THE CONTRACTOR OPERATE OR PARK EQUIPMENT SO AS TO OBSTRUCT AN ACTIVE RUNWAY APPROACH SURFACE

BEFORE REOPENING TEMPORARILY CLOSED APRONS OR ROADWAYS, THE CONTRACTOR SHALL INSPECT AND CLEAN, AS NECESSARY, THE PAVEMENT TO ASSURE THAT NO MATERIALS OR OBJECTS THAT MAY DAMAGE AIRCRAFT OR VEHICLES REMAIN. ANY REQUIRED CLEANING SHALL BE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT OWNER AND IS INCIDENTAL TO THE CONTRACT.

CONTRACTOR'S EQUIPMENT SHALL EXTEND NO HIGHER THAN 20 FEET.

ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPROVED PROJECT SAFETY PLAN, ISSUED BY THE ILLINOIS DIVISION OF AERONAUTICS.

FAILURE TO USE THESE PRESCRIBED PROCEDURES OR ADHERE TO THE SAFETY REQUIREMENTS WILL RESULT IN THE SUSPENSION OF WORK

THE CONTRACTOR MUST NOTIFY THE RESIDENT ENGINEER AND THE AIRPORT OWNER 72 HOURS IN ADVANCE OF ANY REQUIRED PARTIAL OR COMPLETE CLOSING OF ANY TAXIWAY OR APRON. THE DATE, TIME AND SCHEDULED DURATION OF THE CLOSING MUST BE APPROVED BY THE RESIDENT ENGINEER AND THE AIRPORT OWNER. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT OWNER 72 HOURS IN ADVANCE OF THE CONTRACTOR'S CLOSING OF OTHER ACTIVE ROADWAYS, AIRFIELD OR ROADWAY LIGHTING

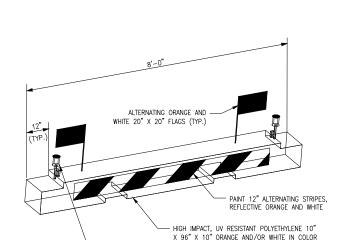
CONTRACTOR'S USE OF SITE

THE CONTRACTOR SHALL NOT OPERATE WITHIN ENCROACH LIPON OR ORSTRUCT AIRPORT OPERATIONAL AREAS INCLUDING ACTIVE RUNWAY TAXIWAYS AND APRON SAFETY AREAS OBJECT AND OBSTACLE FREE ZONES, RUNWAY PROTECTION ZONES AND AIRPORT IMAGINARY SURFACES AS DEFINED IN FEDERAL AVIATION REGULATIONS (FAR) PART 77, "OBJECTS AFFECTING NAVIGABLE AIRSPACE".

THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF THE WORK AREA PRIOR TO BEGINNING WORK AT A NEW LOCATION.

LITHLITY OUTAGES AND SHUTDOWNS

THE CONTRACTOR SHALL PROVIDE 72 HOURS PRIOR NOTICE OF ANY OUTAGES OR SHUTDOWNS TO THE OWNER AND THE AGENCY OWNING THE AFFECTED UTILITY. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY CONNECTIONS OR OTHER MEASURES AS MAY BE REQUIRED TO MAINTAIN SERVICE AS MAY BE REQUIRED BY THE OWNING AGENCY AT NO COST TO THE OWNER.



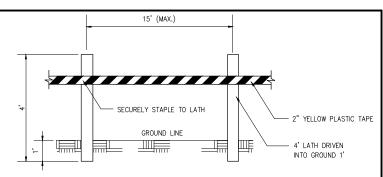
SOLAR OR BATTERY POWERED FLASHER WITH

RED LENS (TYP. BOTH ENDS OF BARRICADE).

NOTES:

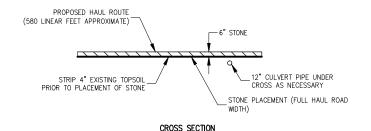
- 1. INTENDED USE FOR THE FOLLOWING: MARKING/LIGHTING OF TEMPORARY HAZARDS WITHIN
- LONGTERM CLOSURE OF AIRCRAFT ROUTES.
- INSTALL AT 12' CENTER TO CENTER SPACING ALONG FULL WIDTH OF PAVEMENT.
- USE TYPE 2 AIRCRAFT BARRICADES IN AREAS SUBJECT TO JET BLAST.
- 4. BARRICADE SHALL BE EQUIPPED WITH ALTERNATING ORANGE AND WHITE 20" X 20" FLAGS.
- 5. BARRICADES SHALL BE WATER-FILLED AND MODULAR TO ASSEMBLE/DISASSEMBLE AND NEST FOR COMPACT
- CONTRACTOR MAY SUBMIT ALTERNATIVE BARRICADE FOR APPROVAL BY ENGINEER. ALTERNATIVE MUST MEET MINIMUM REQUIREMENTS OF FAA AC 150/5370-2F (LATEST EDITION).
- 7. FURNISHING, INSTALLING, MAINTAINING AND REMOVING BARRICADES SHALL BE PAID UNDER ITEM AR150530. SEE SPECIAL PROVISIONS.
- 8. CONTRACTOR SHALL MAINTAIN THE BARRICADES. ANY DAMAGED BARRICADES SHALL BE REPLACED AND NEW BARRICADES PROVIDED

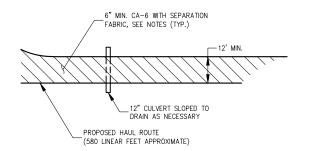
DETAIL B TYPE 2 - LOW PROFILE AIRCRAFT BARRICADE DETAIL



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

DETAIL A LATHING AND WARNING TAPE





PLAN

- 1. STRIP 4" OF EXISTING TOPSOIL PRIOR TO PLACEMENT OF STONE
- 2. STONE SHALL BE 2-INCH SIZE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT, OR RECYCLED ASPHALT.
- 3. HAUL ROUTE THICKNESS SHALL NOT BE LESS THAN SIX INCHES.
- 4. HAUL ROUTE WIDTH SHALL BE 12 FEFT MINIMUM.
- 5. SURFACE WATER FLOWING OR DIVERTED SHALL BE CARRIED IN CULVERT (CMP, STEEL OR HDPE).
- 6. PLACE SEPARATION FABRIC PRIOR TO STONE PLACEMENT FOR FULL WIDTH OF HAUL ROUTE. FABRIC TO BE MIRAFI 160N OR APPROVED EQUAL, COST INCIDENTAL TO ITEM AR150540.
- A CONCRETE WASHOUT PIT TO PROHIBIT STORM WATER DISCHARGE SHALL ALSO BE FURNISHED, AND SHALL BE BUILT MEETING THE REQUIREMENTS OF THE ILLINOIS URBAN MANUAL AND AS SEEN IN THE DETAILS.
- THE HAUL ROUTE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO AIRPORT PAVEMENTS OR PUBLIC RIGHT—OF—WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING. OR PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL AGGREGATE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO AIRPORT PAVEMENTS OR PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- 9. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT
- 10. HAUL ROUTE AND WASHOUT PIT TO BE REMOVED AT PROJECT END. AREA TO BE RESTORED AND RESEEDED AND LEFT IN A CONDITION SATISFACTORY TO THE RESIDENT ENGINEER.
- 11. COST OF INSTALLING, MAINTAINING, REMOVING AND RESTORING HAUL ROUTE SHALL BE PAID UNDER ITEM AR150540.

DETAIL C HAUL ROUTE



www.hanson-inc.com

Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -**CONTRACT 2**

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

DESCRIPTION NO. DATE DES DWN REV ISSUE: June 4, 2015

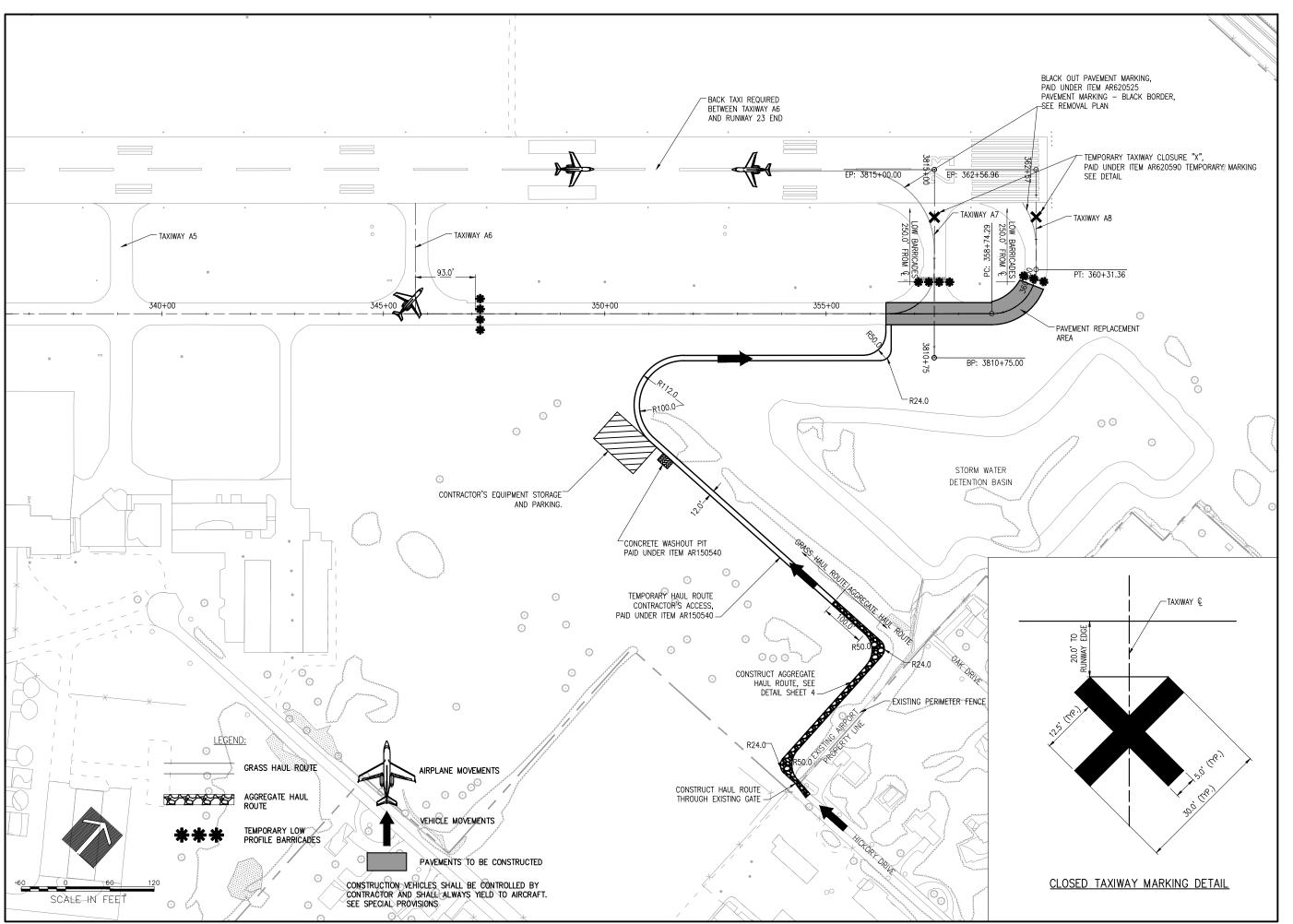
PROJECT NO: 14A0153

CAD FILE: 04-SAFETY NOTES.DWG DESIGN BY: KMS 04/06/2015

DRAWN BY: KMS 04/06/2015 REVIEWED BY: RMH 06/04/2015

SHEET TITLE

CONSTRUCTION SAFETY NOTES AND DETAILS





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

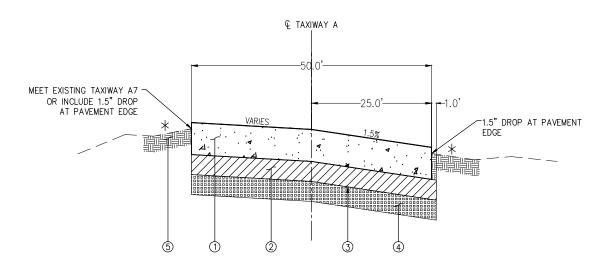
Contract No. WA070

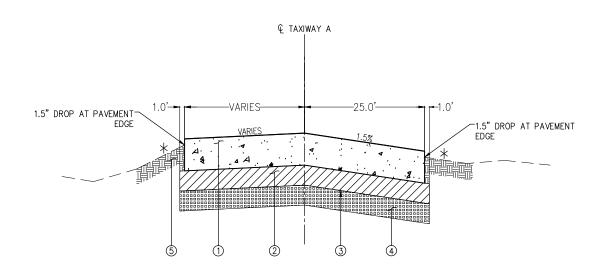


SHEET TITLE

PHASING PLAN

DRAWN BY: KMS 03/30/2015 REVIEWED BY: RMH 06/04/2015





TYPICAL SECTION - TAXIWAY A

STA. 358+74.29 THRU STA. 359+94.55

(SECTION SHOWN LOOKING NORTH)

TYPICAL SECTION - TAXIWAY A STA. 356+34.75 THRU STA. 358+74.29

(SECTION SHOWN LOOKING NORTHEAST)

* SLOPE AT 3.0% TO MEET EXISTING. IF MEET EXISTING IS GREATER THAN 10 FEET FROM PAVEMENT EDGE, ADJUST SLOPE TO MEET EXISTING AT 10 FEET FROM PAVEMENT EDGE. SEE CROSS SECTIONS.

LEGEND

- 1 PROPOSED 8" PCC PAVEMENT, ITEM AR501508
- ② PROPOSED 5" ASPHALT TREATED PERMEABLE SUBBASE, ITEM AR302611
- 3 PROPOSED BITUMINOUS PRIME COAT, ITEM AR602510 (0.30 GALLONS PER SQUARE YARD)
- PROPOSED 5" CRUSHED AGGREGATE BASE COURSE, ITEM AR209605
- 4" TOPSOIL WITH SEEDING AND EROSION CONTROL BLANKET, ITEMS AR905520, AR901510, AR156531

HANSON Engineering I Planting I Alled Services

Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

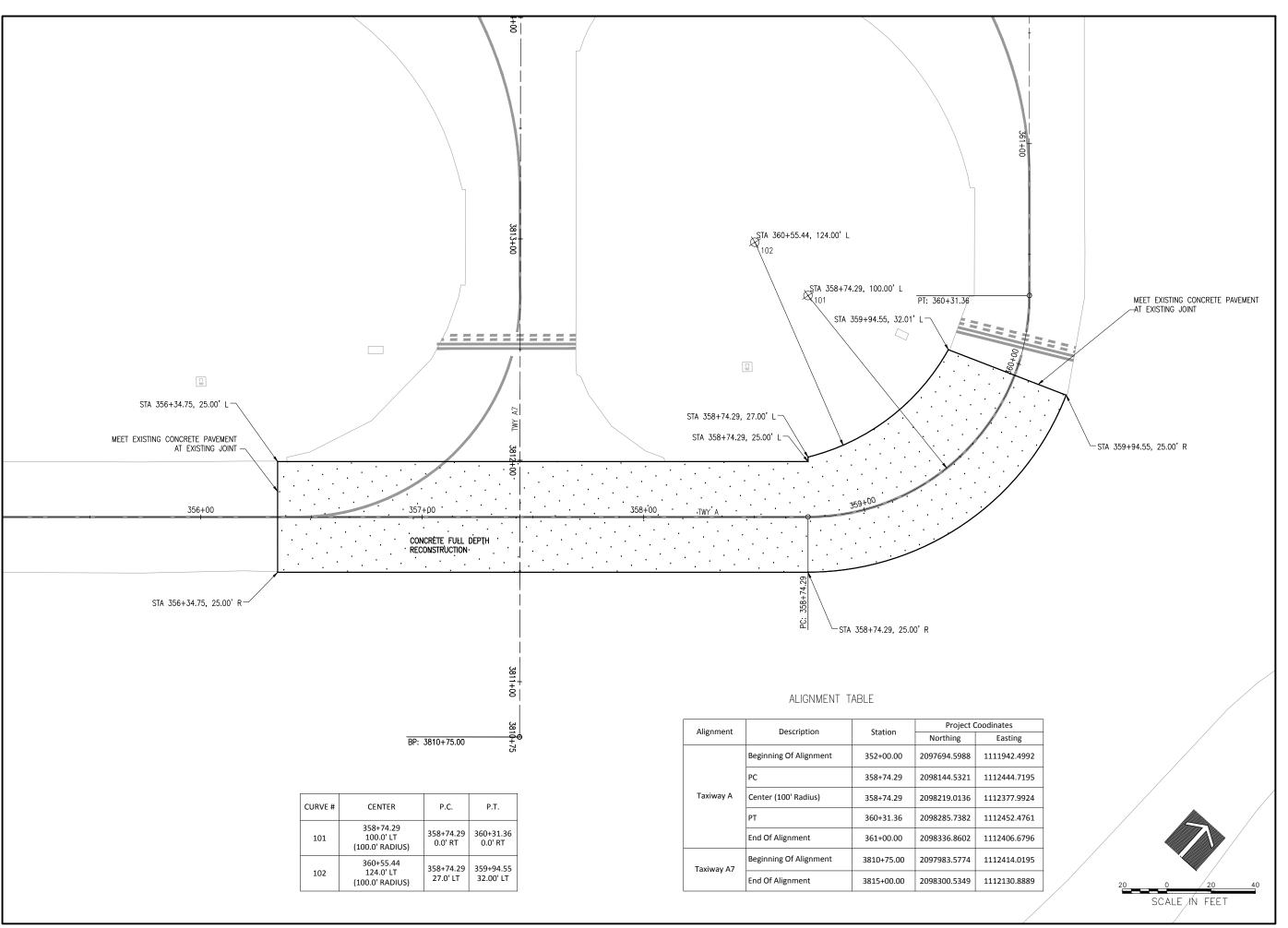
NO.	DATE		CRIPT	
110.	D/ (IL	DES	DWN	REV
ISSUE: June 4, 2015				

PROJECT NO: 14A0153
CAD FILE: 06-TYPICAL SECTION.DWG
DESIGN BY: KMS 04/14/2015

DRAWN BY: KMS 04/14/2015 REVIEWED BY: RMH 06/04/2015

SHEET TITLE

TYPICAL SECTIONS





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

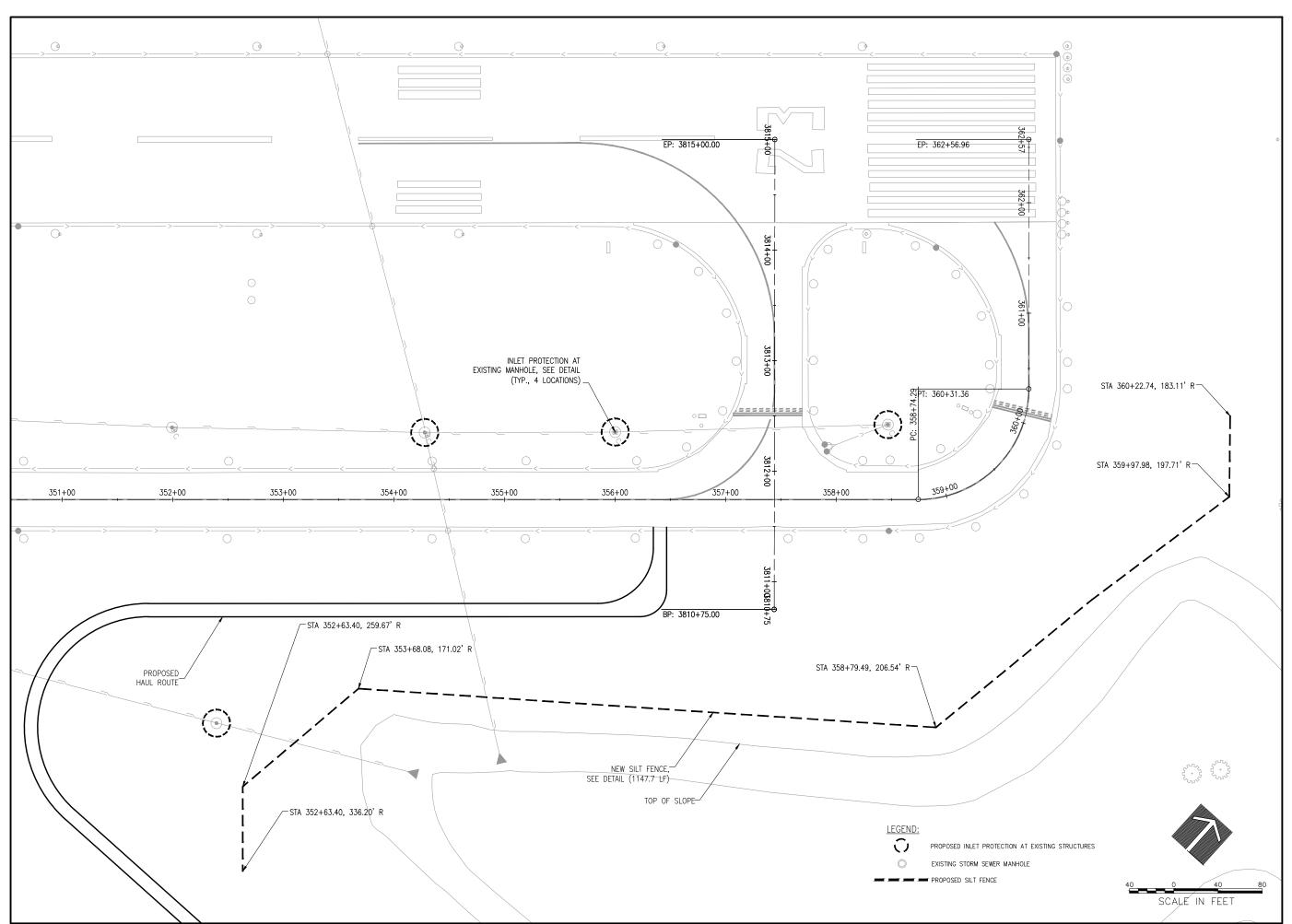
NO.	DATE	DES	CRIPT	ION	
INO.	DATE	DES	DWN	REV	
ISSUE: June 4, 2015					
PROJECT NO: 14A0153					
OAD EU E. OZ ALIONIMENT DATA D					

CAD FILE: 07-ALIGNMENT DATA.DWG

DESIGN BY: SJM 02/25/2015 DRAWN BY: KMS 04/07/2015 REVIEWED BY: RMH 06/04/2015

SHEET TITLE

ALIGNMENT DATA & PAVEMENT LAYOUT





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084

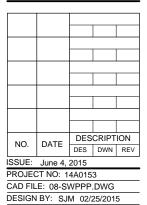


WAUKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT 2601 Plane Rest Drive Waukegan, Illinois 60087 Telephone: 847.244.0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

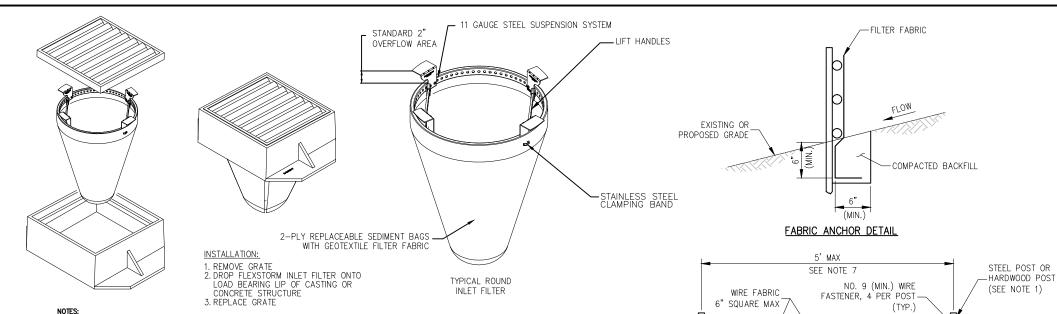
Contract No. WA070



SHEET TITLE

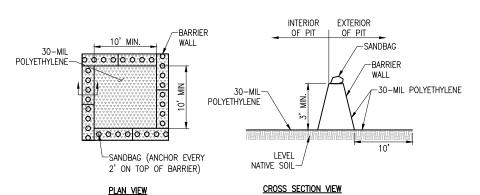
STORMWATER POLLUTION PREVENTION PLAN

DRAWN BY: KMS 03/30/2015 REVIEWED BY: RMH 06/04/2015



- 1. FILTER FABRIC INLET PROTECETION SHALL CONSIST OF INLET BASKET AND FABRIC INSERT, IPP FLEXSTORM BY EROTEX OR EQUAL.
- 2. DEVICE SHALL BE EQUIPPED WITH AN OVERFLOW FEATURE SO DRAINAGE TO INLET IS NOT COMPLETELY BLOCKED IF DEVICE IS FULL
- 3. INLET BASKET IS AVAILABLE TO FIT ROUND, RECTANGULAR, BEEHIVE OR CURB INLET CASTINGS
- 4. FILTER FABRIC SHALL HAVE AN APPARENT OPENING SIVZE (AOS) OF AT LEAST 70 SIEVE FOR NONWOVEN
- 5. FILTER FABRIC SHALL HAVE A GRAB TENSILE STRENGTH OF A LEAST 100 LBS FOR NON WOVEN
- 6. POLYESTER OUTER REINFORCEMENT BAG SHALL HAVE FABRIC WITH A WEIGHT OF 4.55 OZ/SQYD +/- 15 PERCENT.
- 7. FRAME CONSTRUCTION SHALL HAVE A TENSILE STRENGTH OF AT LEAST 58,000 PSI AND A YIELD STRENGTH OF AT LEAST 36,000
- 8. MAINTENANCE SHALL BE PERFORMED AS NEEDED. REMOVE SILT FROM FABRIC INSERT WHEN 50% OF CAPACITY IS REACHED. REMOVE SILT FROM INTERIOR AND EXTERIOR OF INLET DAM WHEN 50% OF DAM HEIGHT IS REACHED.
- 9. PAYMENT FOR INLET PROTECTION MAINTENANCE SHALL BE INCIDENTAL TO INLET PROTECTION.

INLET PROTECTION



- IMPERMEABLE SHEETING MUST EXTEND OVER ENTIRE BASIN AND BERM TO PREVENT
- 2. PROTECT AREA AROUND UNIT FOR 10 FEET WITH PLASTIC UNDER AND AROUND UNIT TO CONTAIN SPILLS OR OVERFLOW.
- 3. FACILITY LINED WITH 30-MIL POLYETHYLENE LINER AND SECURED USING SAND BAGS, OR OTHER ANCHORS, AND SHALL BE FREE OF HOLES OR TEARS.
- 4. FACILITY IS TO BE LOCATED ON LEVEL GROUND
- 5. WASHOUT NEEDS TO BE COVERED OR LIQUIDS TO BE REMOVED PRIOR TO
- IF EFFLUENT CANNOT BE REMOVED PRIOR TO ANTICIPATED RAINFALL EVENT, PLACE AND SECURE A NON-COLLAPSING, NON WATER COLLECTING COVER OVER THE WASHOUT FACILITY TO PREVENT ACCUMULATION AND PRECIPITATION OVERFLOW.
- 7. REMOVE WASHOUT WATER FROM HIGH VOLUME FACILITIES WITH A VACUUM TRUCK AND DISPOSE OF PROPERLY. DO NOT DISCHARGE WASTEWATER INTO THE ENVIRONMENT. (NOTE: ACIDITY, NOT PARTICULATES, IS ENVIRONMENTALLY
- 8. DO NOT DISCHARGE WASHOUT WATER INTO THE ENVIRONMENT; FACILITATE EVAPORATION OF LOW VOLUME WASHOUT WATER.

- INSPECT LINE FOR TEARS. AN INTACT LINER WILL ENSURE THAT CONCRETE WASTEWATER WILL NOT ESCAPE THE WASHOUT FACILITY.
- 10. REPLACE DAMAGED LINER IMMEDIATELY.
- 11. CHECK AREA SURROUNDING FACILITY FOR SIGNS OF EFFLUENT ESCAPING
- 12. INSPECT WASHOUT AREA FOLLOWING POUR TO EVALUATE EFFECTIVENESS
- 13. CHECK DEPTH OF SOLIDS TO ENSURE VOLUME IS SUFFICIENT FOR NEXT
- 14. INSPECT WASHOUTS PRIOR TO POUR TO ENSURE SUFFICIENT VOLUME IS
- 15. REMOVE TEMPORARY CONCRETE WASHOUT FACILITIES WHEN NO LONGER NEEDED AND RESTORE DISTURBED AREAS TO ORIGINAL CONDITION
- 16. DISPOSE OF SOLIDIFIED CONCRETE WASTE, CONSIDERED CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) AS PER THE IEPA ACT

EXISTING OR

PROPOSED GRADE

- FENCE POST SHALL BE EITHER STEEL "T" LINE POST OR HARDWOOD POST WITH A MINIMUM SECTIONAL AREA OF 2.0 SQUARE INCHES. A CARPENTER'S (NOMINAL) 2"x2" POST WILL MEET
- TOP AND BOTTOM WIRE OF WIRE FABRIC SHALL BE MINIMUM GAGE NO. 9. INTERMEDIATE WIRES OF THE WIRE FABRIC SHALL BE MINIMUM GAGE NO. 11.
- WIRE FABRIC SHALL BE SECURELY FASTENED TO FENCE POSTS WITH NO. 9 GAGE WIRE MINIMUM. FOUR (4) FASTENERS PER POST REQUIRED.
- FILTER FABRIC SHALL BE SECURELY FASTENED TO WIRE FABRIC AND POSTS WITH TIES OR STAPLES SPACED AT 12" APART AT THE TOP, MIDDLE AND BOTTOM.
- 5. WHEN TWO SECTIONS OF FILTER FABRIC MEET, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED AND ATTACHED TO THE WIRE FABRIC AT A POST.
- 6. FILTER FABRIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS WITH APPARENT OPENING SIZE (AOS) OF AT LEAST 40 FOR NONWOVEN AND WOVEN (OR MAXIMUM OF 0.60mm).
- 7. A MAXIMUM OF 5 FEET IS USED FOR POST-TO-POST SPACING

FILTER FABRIC, WOVEN

OR NON-WOVEN

ELEVATION

- 8. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- 10. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED AND REPLACED WHEN BULGES DEVELOP IN THE SILT FENCE.
- 12. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE
- 13. FENCE POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END.
- 14. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING

SEDIMENTATION AND EROSION CONTROL NOTES:

- A. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF
- B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- C. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
- AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 8H:1V SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.
- E. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE. F. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE
- STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES
- G. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND
- H. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY CONSTRUCTION SITE TO OR FROM A POBLIC RIGHT-OF-WAT,
 STREET, ALLEY OR PARKING AREA. ANY 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.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER. NO STOCKPILES SHALL BE LOCATED WITHIN AN ACTIVE RUNWAY SAFETY AREA, RUNWAY OBJECT FREE AREA, RUNWAY OBSTACLE FREE ZONE, OR ACTIVE TAXIWAY OBJECT
- J. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE.
- K. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

STORM WATER POLLUTION PREVENTION NOTES

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

POLLUTION PREVENTION MEASURES

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

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

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

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

www.hanson-inc.com

Hanson Professional Services Inc 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Professional Service Corporation #184-001084



WALIKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT 2601 Plane Rest Drive Waukegan, Illinois 60087 Telephone: 847,244,0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

	NO.	DATE	DES	CRIPT	ION
	NO.	אלוב	DES	DWN	REV
İ	SSUE:	June 4,	2015		

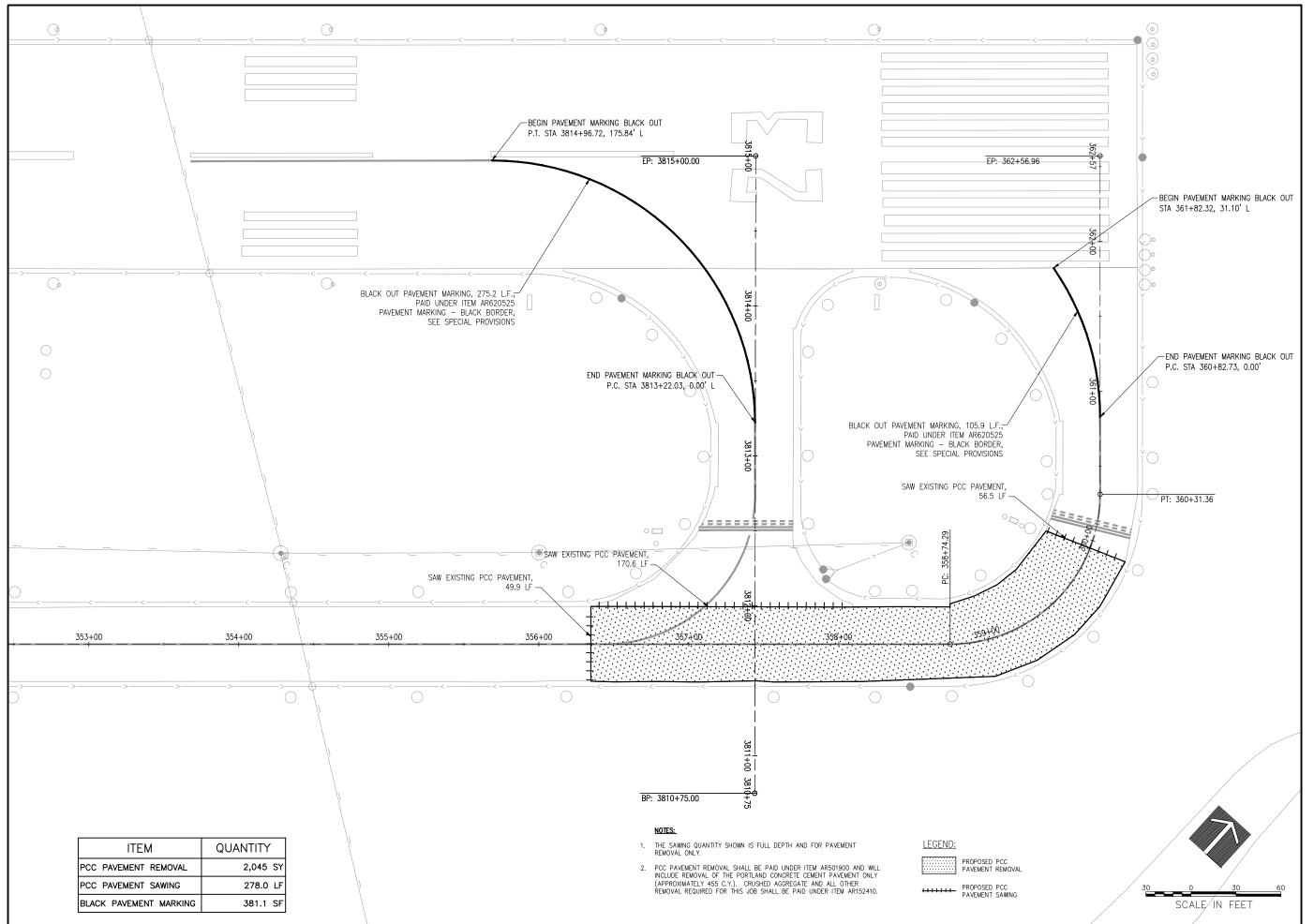
PROJECT NO: 14A0153

CAD FILE: 09-SWPP DETAILS.DWG DESIGN BY: SJM 02/25/2015 DRAWN BY: KMS 03/30/2015 REVIEWED BY: RMH 06/04/2015

SHEET TITLE

STORMWATER **POLLUTION** PREVENTION DETAILS

SILT FENCE





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

NO.	DATE	DESCRIPTION			
INO.	DATE	DES	DWN	REV	
ISSUE:	June 4,	2015			
PROJEC	CT NO: 1	4A015	3		
CAD FIL	E: 10-RE	EMOV.	AL PL	AN.DW	

DESIGN BY: SJM 02/25/2015 DRAWN BY: KMS 03/30/2015

REVIEWED BY: RMH 06/04/2015

SHEET TITLE

REMOVAL PLAN



Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Professional Service Corporation #184-001084

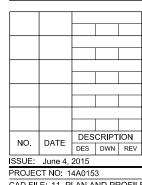


WAUKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT 2601 Plane Rest Drive Waukegan, Illinois 60087 Telephone: 847.244.0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

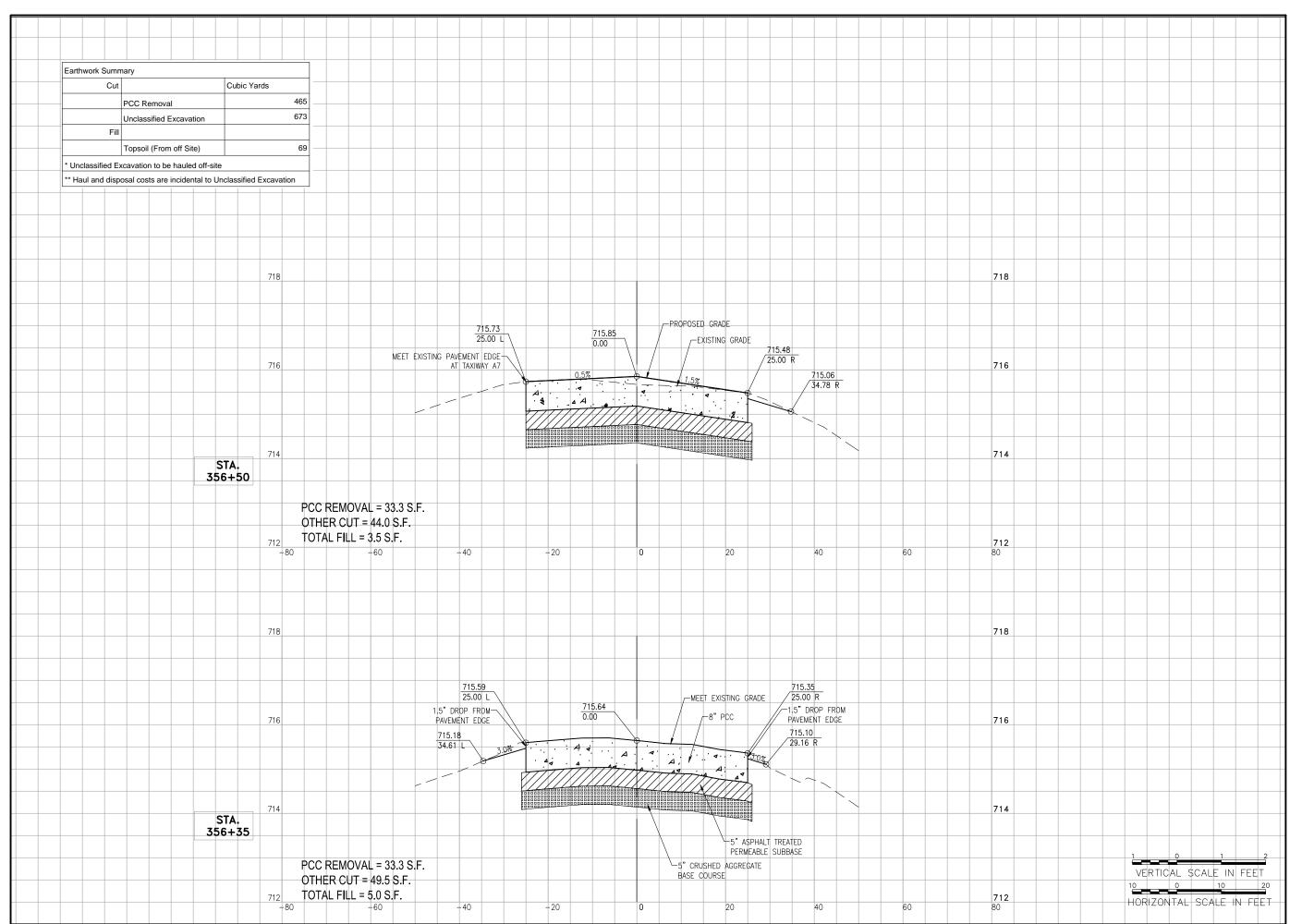


CAD FILE: 11 PLAN AND PROFILE.D' DESIGN BY: KMS 04/07/2015

DRAWN BY: KMS 04/07/2015 REVIEWED BY: RMH 06/04/2015

SHEET TITLE

PLAN AND PROFILE





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

NO.	DATE	DESCRIPTION		
INO.	DATE	DES	DWN	REV
SSUE: June 4, 2015				
PROJECT NO: 14A0153				

PROJECT NO: 14A0153

CAD FILE: 12-CROSS SECTIONS.DWG

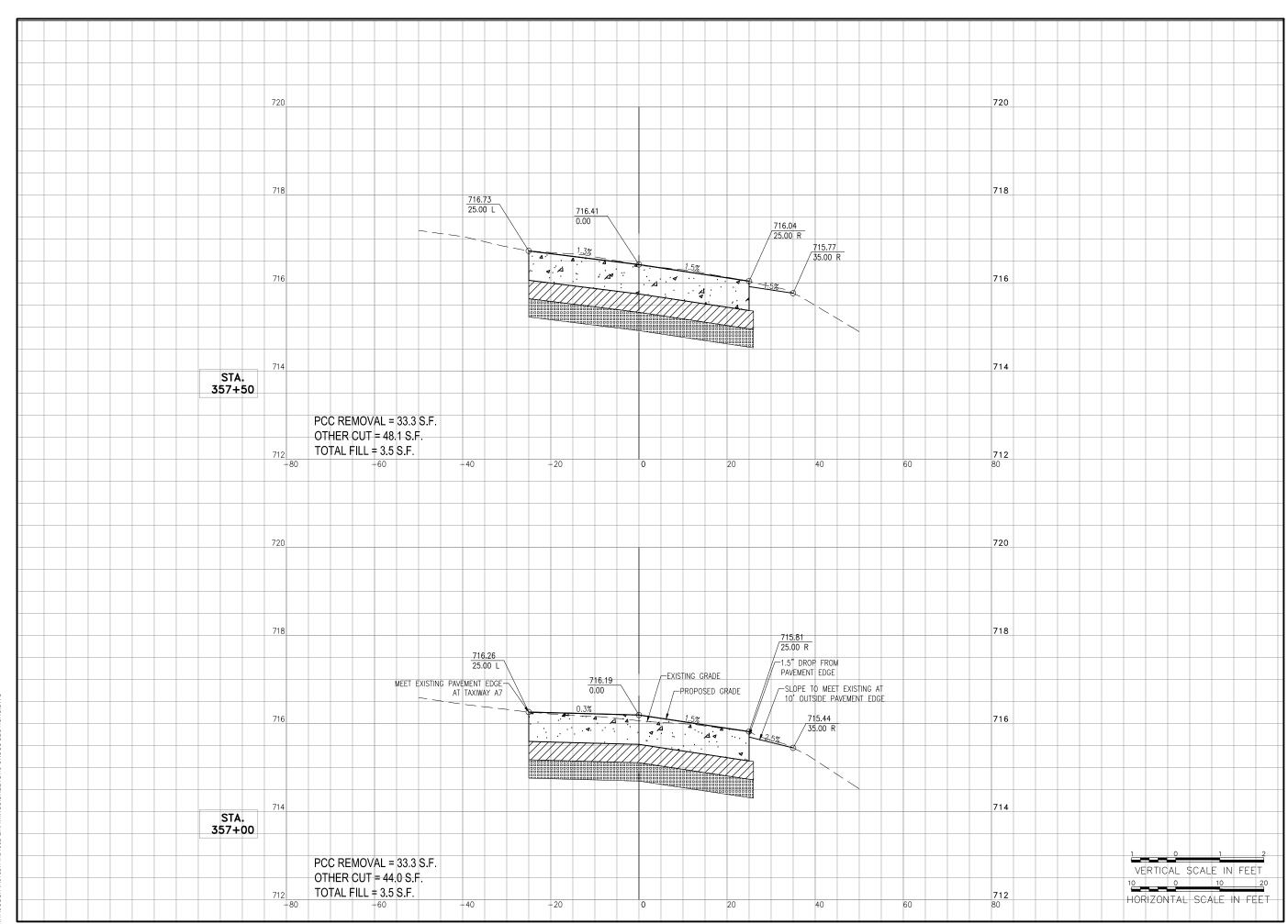
DESIGN BY: SJM 02/25/2015

DRAWN BY: KMS 03/31/2015

REVIEWED BY: RMH 06/04/2015

SHEET TITLE

CROSS SECTIONS





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

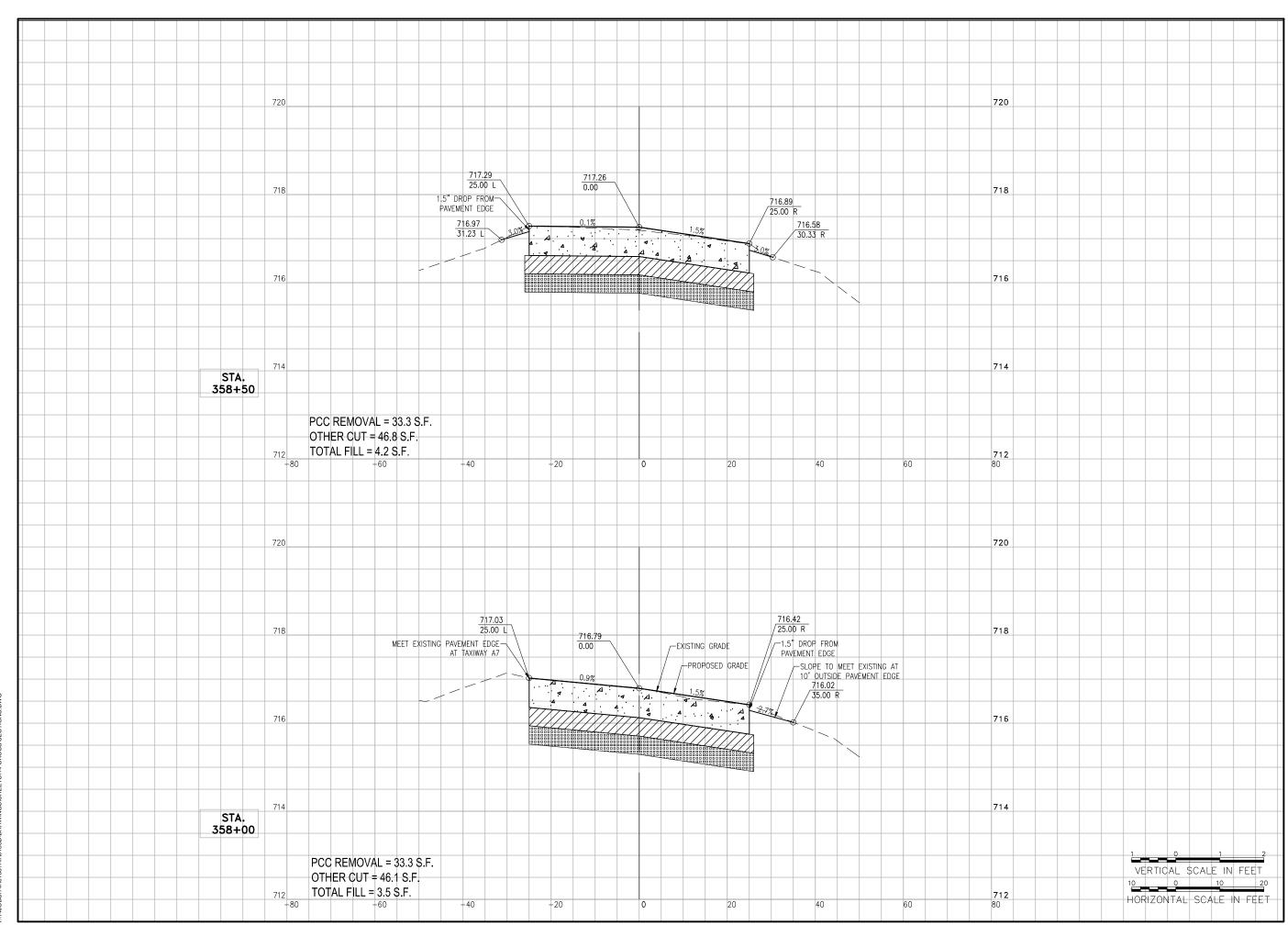
NO.	DATE	DES	CRIPT	ION
INO.	DATE	DES	DWN	REV
SSUE:	June 4,	2015		
PROJEC	CT NO: 1	4A015	3	

ISSUE: June 4, 2015
PROJECT NO: 14A0153
CAD FILE: 13-CROSS SECTIONS.DWG
DESIGN BY: SJM 02/25/2015
DRAWN BY: KMS 03/31/2015

SHEET TITLE

CROSS SECTIONS

REVIEWED BY: RMH 06/04/2015





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084

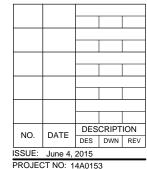


WAUKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT 2601 Plane Rest Drive Waukegan, Illinois 60087 Telephone: 847.244.0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070



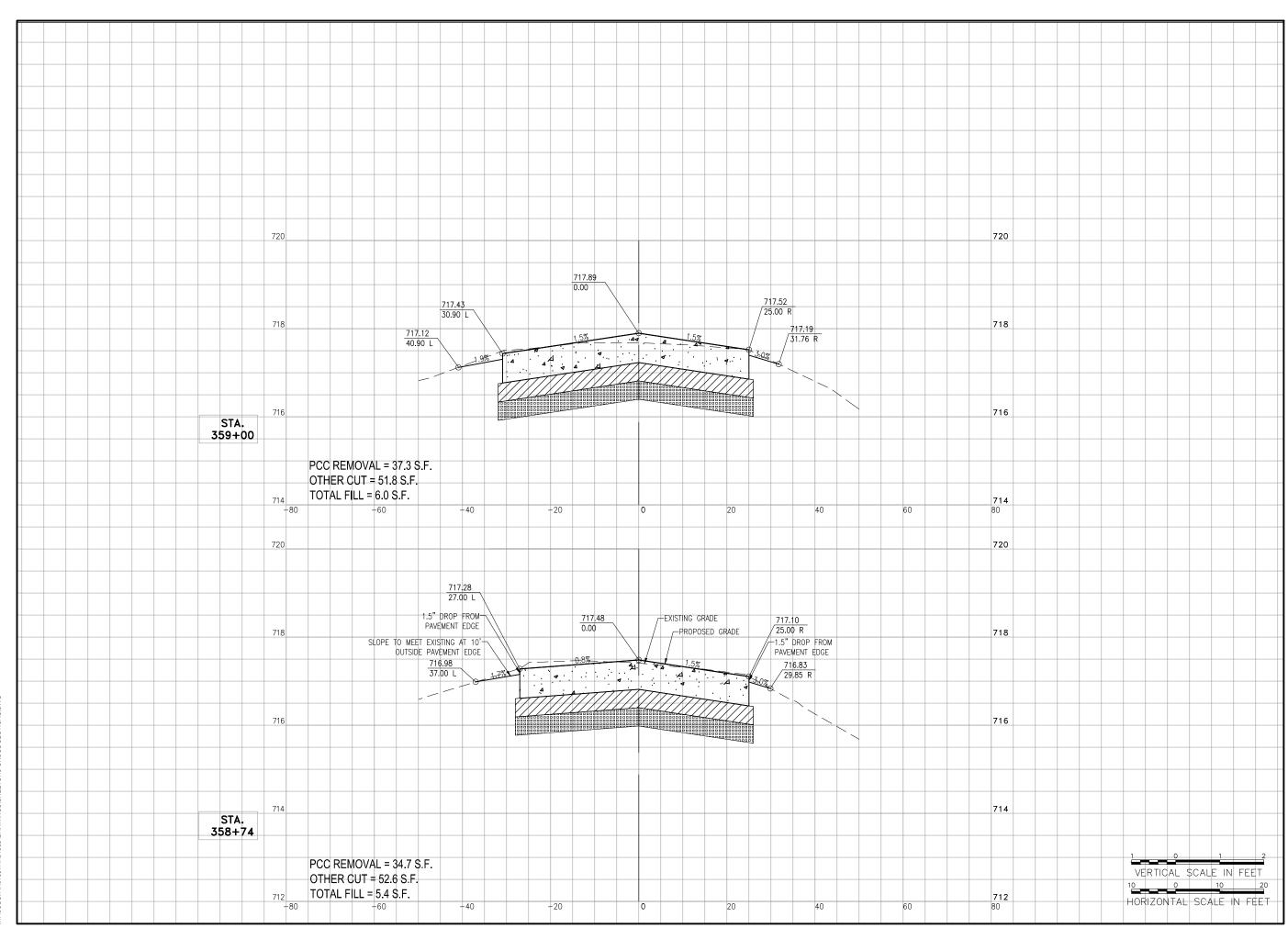
PROJECT NO: 14A0153

CAD FILE: 14-CROSS SECTIONS.DWG
DESIGN BY: SJM 02/25/2015

DRAWN BY: KMS 03/31/2015 REVIEWED BY: RMH 06/04/2015

SHEET TITLE

CROSS SECTIONS





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084

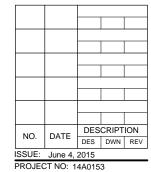


WAUKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT 2601 Plane Rest Drive Waukegan, Illinois 60087 Telephone: 847.244.0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

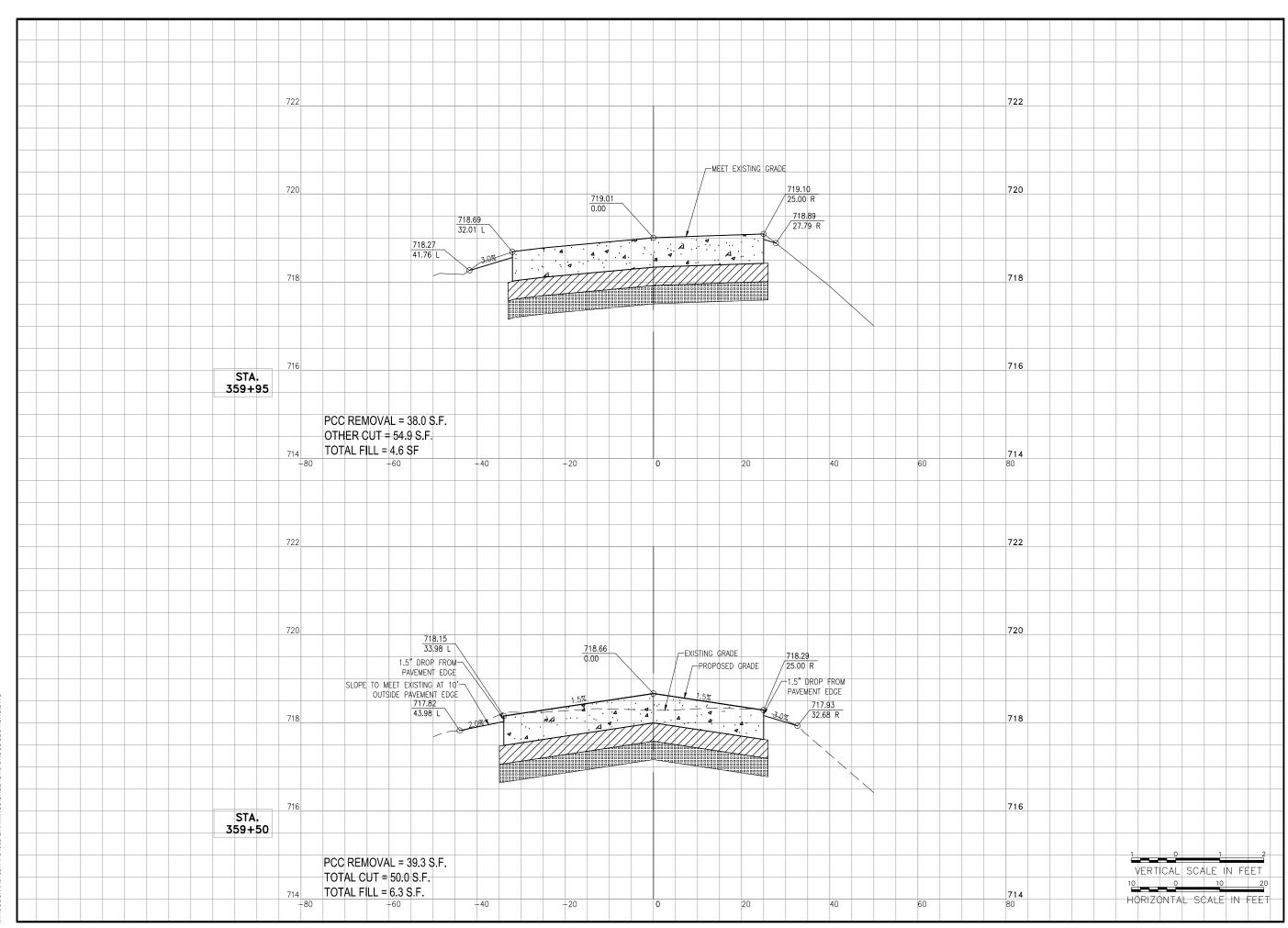


ISSUE: June 4, 2015
PROJECT NO: 14A0153
CAD FILE: 15-CROSS SECTIONS.DWG
DESIGN BY: SJM 02/25/2015
DRAWN BY: KMS 03/31/2015

SHEET TITLE

CROSS SECTIONS

REVIEWED BY: RMH 06/04/2015





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

	i			
NO.	DATE	DES	CRIPT	ION
NO.	DATE	DES	DWN	REV
ISSUE: June 4, 2015				
ROJEC	CT NO: 1	4A015	3	

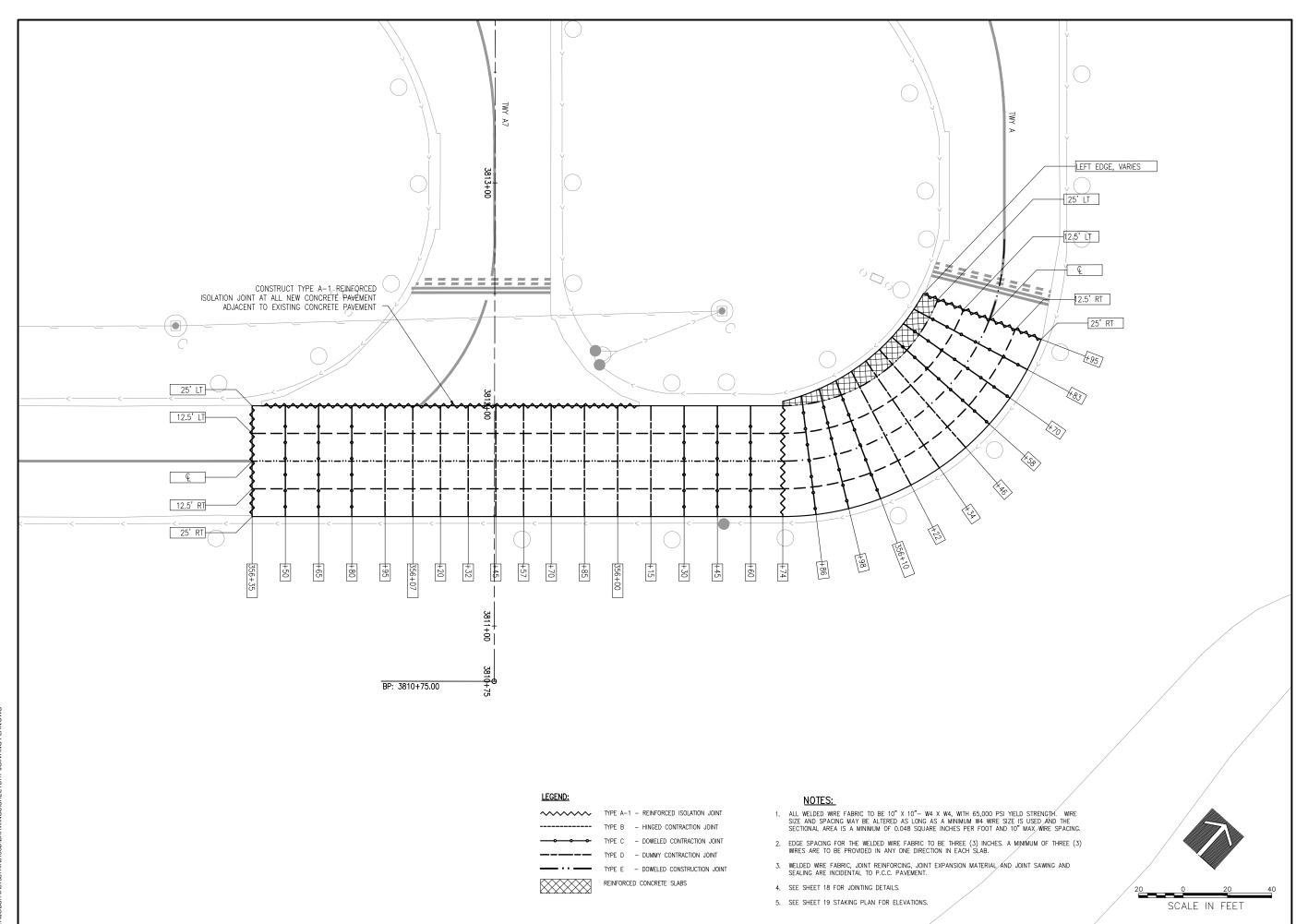
CAD FILE: 16-CROSS SECTIONS.DWG

DESIGN BY: SJM 02/25/2015 DRAWN BY: KMS 03/31/2015

REVIEWED BY: RMH 06/04/2015

SHEET TITLE

CROSS SECTIONS



Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

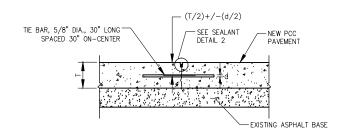
NO.	DATE	DESCRIPTION		
NO.	ואל	DES	DWN	REV
ISSUE:	June 4,	2015		
PROJEC	T NO: 1	1 Δ015	3	

CAD FILE: 17-JOINTING PLAN.DWG DESIGN BY: SJM 02/25/2015 DRAWN BY: KMS 03/31/2015

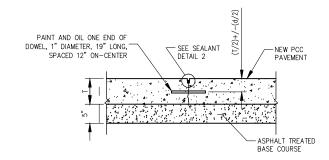
REVIEWED BY: RMH 06/04/2015

SHEET TITLE

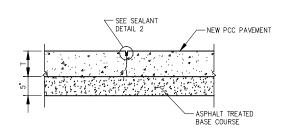
JOINTING PLAN



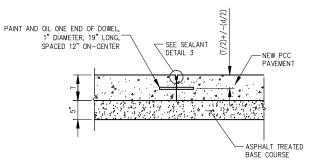
TYPE B - HINGED CONTRACTION JOINT



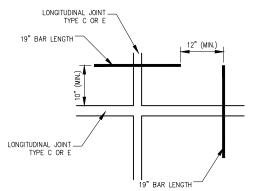
TYPE C - DOWELED CONTRACTION JOINT



TYPE D - DUMMY
CONTRACTION JOINT

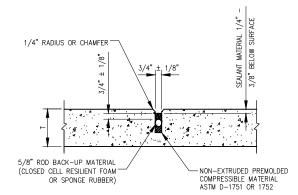


TYPE E - DOWELED CONSTRUCTION JOINT

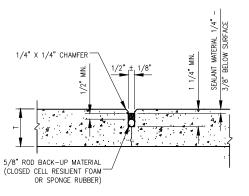


POSITION OF DOWELS AT EDGE OF JOINT TYPE C OR E

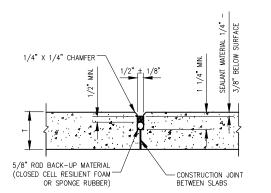
DOWEL PLAN VIEW



DETAIL 1 - SEALANT



DETAIL 2 - SEALANT



DETAIL 3 - SEALANT

NOTE: "T" = 8 INCHES

HANSON Engineering | Planning | Allied Service

www.hanson-inc.com

Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084

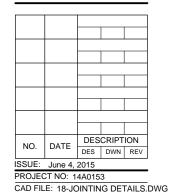


WAUKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT 2601 Plane Rest Drive Waukegan, Illinois 60087 Telephone: 847.244.0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070



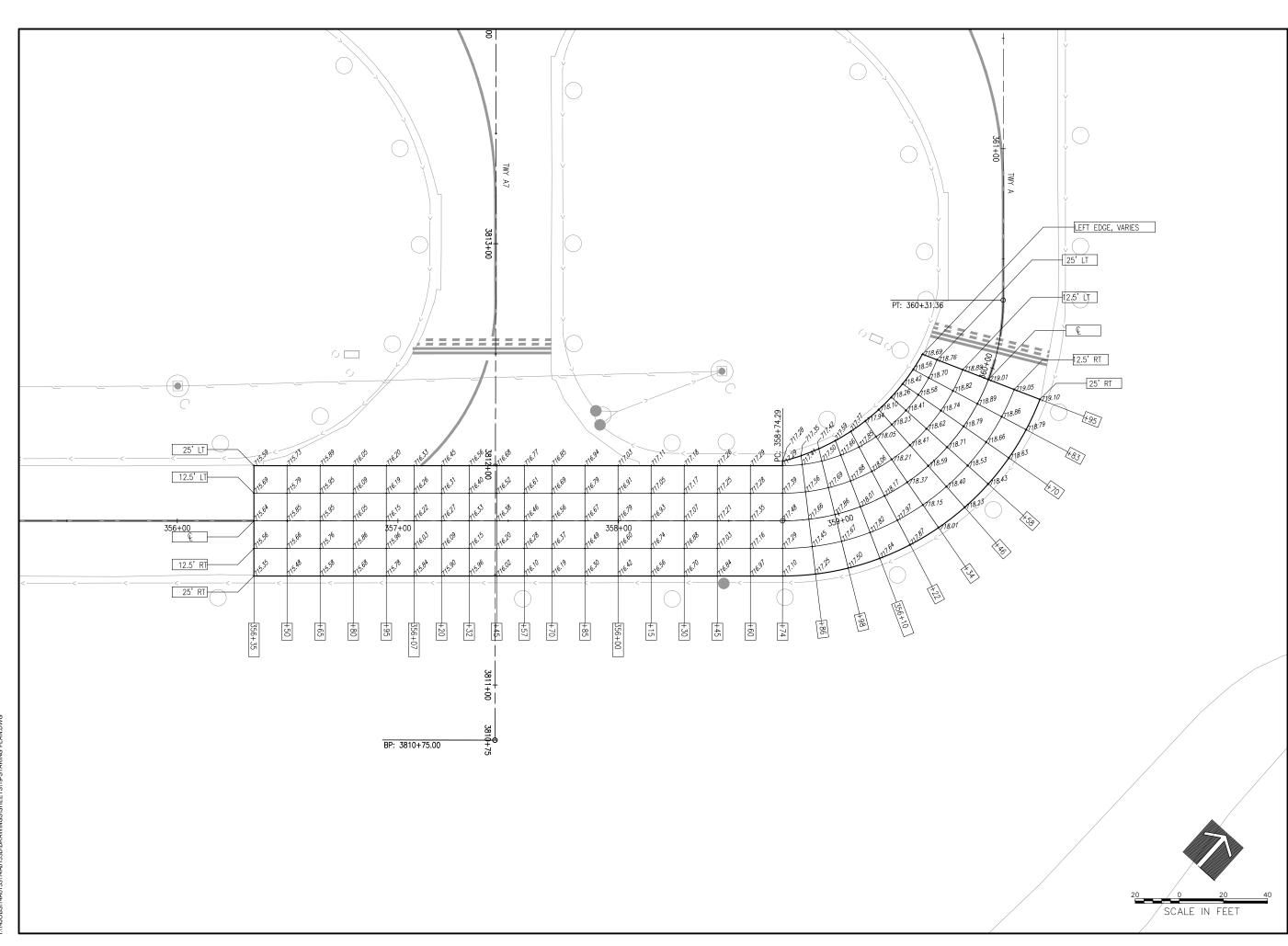
DESIGN BY: SJM 02/25/2015

DRAWN BY: KMS 04/01/2015

REVIEWED BY: RMH 06/04/2015

SHEET TITLE

JOINTING DETAILS





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



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

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

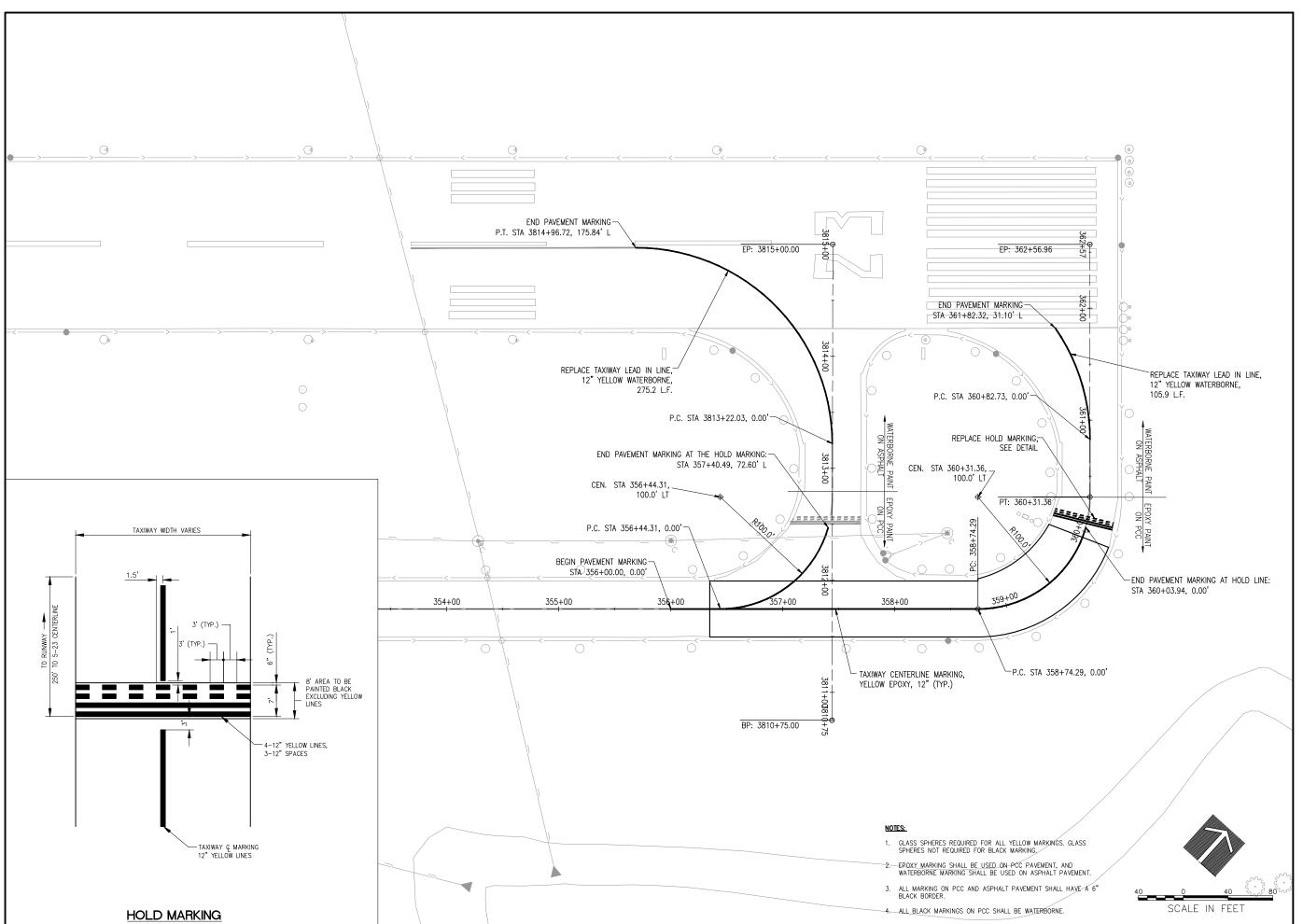
Contract No. WA070

NO.	DATE	DESCRIPTION			
		DES	DWN	REV	
ISSUE: June 4, 2015					
PROJECT NO: 14A0153					
CAD EILE: 40 CTAVING DI ANI DIA					

DESIGN BY: SJM 02/25/2015 DRAWN BY: KMS 03/31/2015 REVIEWED BY: RMH 06/04/2015

SHEET TITLE

STAKING PLAN





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084

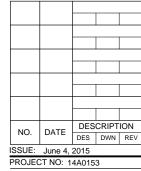


WAUKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT 2601 Plane Rest Drive Waukegan, Illinois 60087 Telephone: 847.244.0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

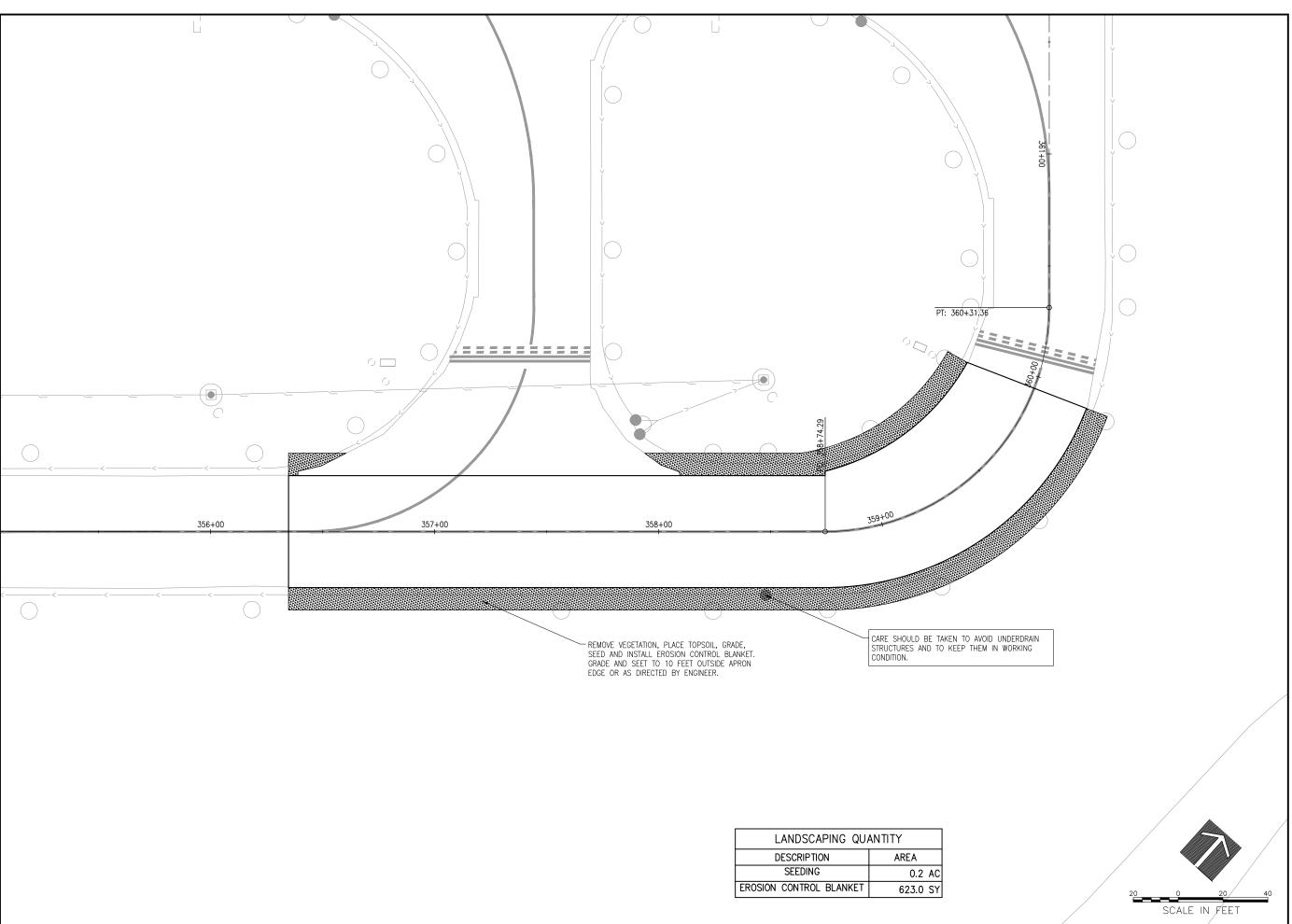


CAD FILE: 20-MARKING PLAN.DWG

DESIGN BY: KMS 03/30/2015 DRAWN BY: KMS 03/30/2015 REVIEWED BY: RMH 06/04/2015

SHEET TITLE

MARKING PLAN





Hanson Professional Services Inc. 815 Commerce Drive, Suite 200 Oak Brook, IL 60523 phone: 630.990.3800 fax: 630.990.3801

Illinois Licensed Professional Service Corporation #184-001084



WAUKEGAN NATIONAL AIRPORT WAUKEGAN PORT DISTRICT Waukegan, Illinois 60087 Telephone: 847.244.0055 Fax: 847.244.3813

REPAIR OF 300' AT NE END OF TAXIWAY A -CONTRACT 2

SBG No: 3-17-SBGP-XX IDA No: UGN-4225

Contract No. WA070

NO.	DATE	DESCRIPTION		
140.		DES	DWN	REV
ISSUE: June 4, 2015				

PROJECT NO: 14A0153

CAD FILE: 21-LANDSCAPING PLAN.DW DESIGN BY: KMS 02/25/2015 DRAWN BY: KMS 03/31/2015

REVIEWED BY: RMH 06/04/2015

SHEET TITLE

LANDSCAPING PLAN