

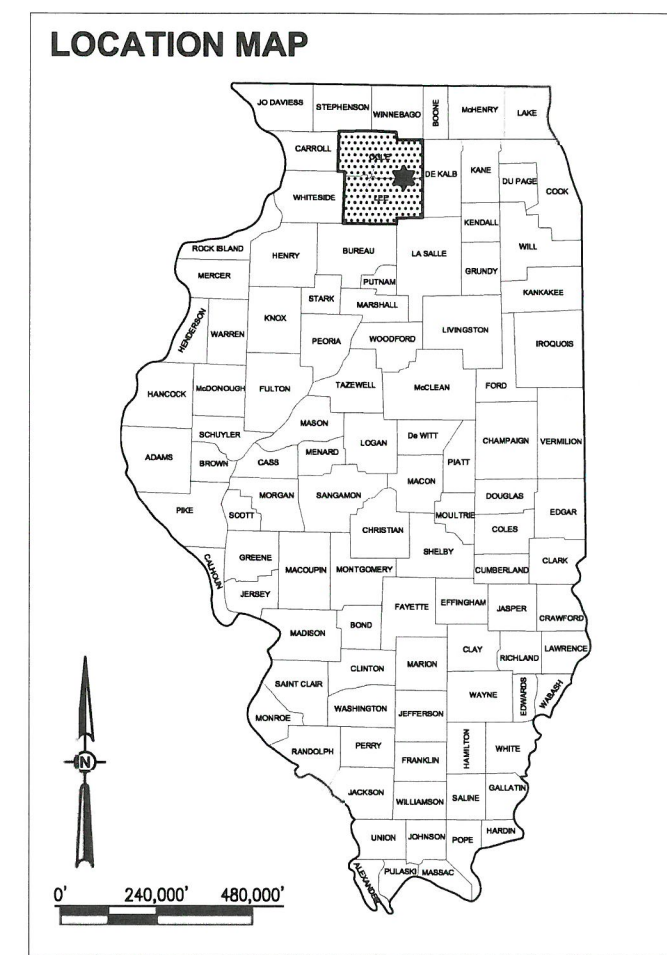
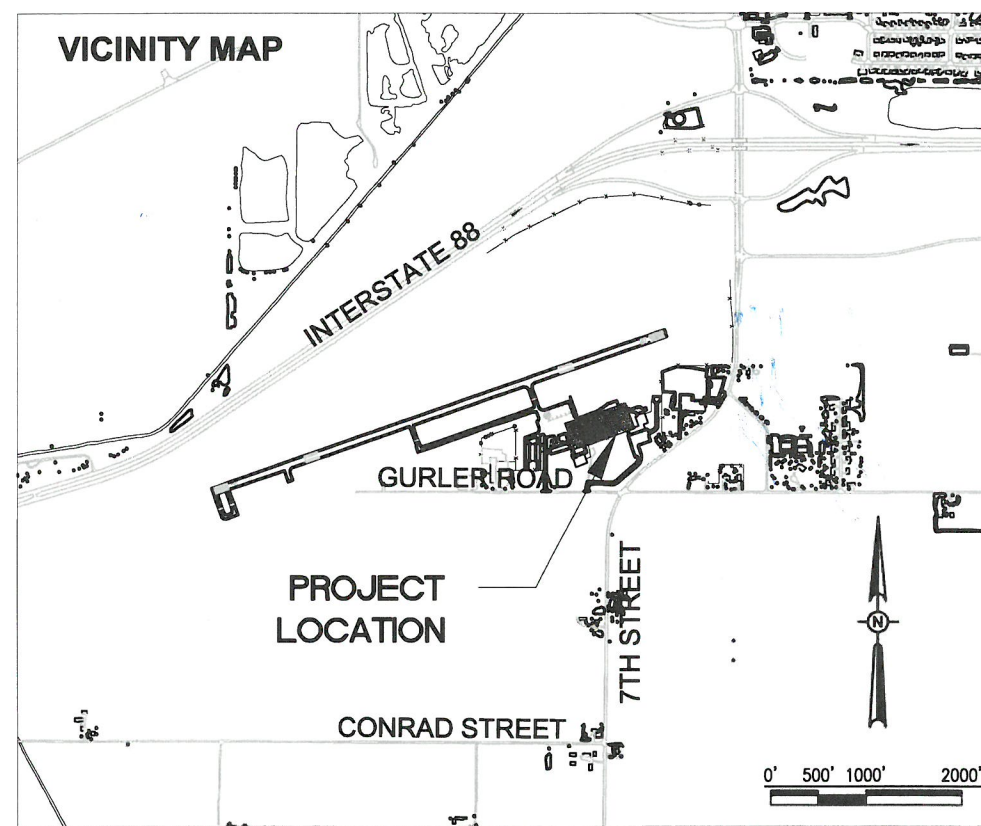
CONSTRUCTION PLANS

REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

**CITY OF ROCHELLE
ROCHELLE MUNICIPAL AIRPORT (RPJ)
MAJOR THOMAS F. KORITZ FIELD
ROCHELLE, OGLE COUNTY, ILLINOIS**

**IDA PROJECT NO. RPJ-4617
SBGP PROJECT NO. 3-17-SBGP-133/139**

ISSUED: NOVEMBER 16, 2018



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	Date	By

Seal

Kevin M. Spitz

Kevin M. Spitz, P.E.,
Project Engineer

Date of Plans

NOVEMBER 16, 2018
Date

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Ronald M. Hudson, AICP
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NOVEMBER 16, 2018
Date

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Michael Hudetz

Michael Hudetz
Director of Aviation

NOVEMBER 16, 2018
Date

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SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	AS-BID QUANTITY	RECORD PAID
AR150510	ENGINEER'S FIELD OFFICE	LUMP SUM	1.0	
AR150520	MOBILIZATION	LUMP SUM	1.0	
AR150530	TRAFFIC MAINTENANCE	LUMP SUM	1.0	
AR152410	UNCLASSIFIED EXCAVATION	CUBIC YARD	129.0	
AR156510	SILT FENCE	LINEAR FOOT	608.0	
AR156531	EROSION CONTROL BLANKET	SQUARE YARD	910.0	
AR156533	TEMPORARY SEED AND MULCH	ACRE	0.2	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	LINEAR FOOT	794.0 *	
AR201662	BITUMINOUS SAND MIX	SQUARE YARD	200.0	
AR201663	SAND MIX CRACK REPAIR	LINEAR FOOT	687.0 *	
AR201670	CRACK CONTROL FABRIC	SQUARE YARD	249.0	
AR401613	BIT. SURF CSE. - METHOD I, SUPERPAVE	TON	235.0	
AR401650	BITUMINOUS PAVEMENT MILLING	SQUARE YARD	2,099.0	
AR401660	SAW & SEAL BIT. JOINTS	LINEAR FOOT	825.0	
AR401665	BITUMINOUS PAVEMENT SAWING	LINEAR FOOT	2,132.0	
AR603510	BITUMINOUS TACK COAT	GALLON	317.0	
AR620520	PAVEMENT MARKING-WATERBORNE	SQUARE FOOT	1,175.0	
AR620525	PAVEMENT MARKING-BLACK BORDER	SQUARE FOOT	1,175.0	
AR800905	EDGE REPAIR	SQUARE YARD	12.0	
AR901510	SEEDING	ACRE	0.2	
AR905520	TOPSOILING (FROM OFF SITE)	CUBIC YARD	107.0	

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, COMPLETE AND ACCEPTED BY THE ENGINEER.

* THE WORK QUANTITIES FOR AR201661 CLEAN AND SEAL BITUMINOUS CRACKS AND AR201663 SAND MIX CRACK REPAIR ASSUME THAT 90 PERCENT OF THE TYPE A CRACKS ARE ELIMINATED AND 50 PERCENT OF THE TYPE B CRACKS BECOME TYPE A CRACKS DURING THE 2 INCH SURFACE REMOVAL UNDER ITEM AR401650. THE ACTUAL LOCATION AND QUANTITY OF CRACKS TO BE REPAIRED SHALL BE DETERMINED BY THE RESIDENT ENGINEER AFTER MILLING OPERATIONS. CONTRACTOR SHALL PERFORM THE WORK AS DIRECTED BY THE RESIDENT ENGINEER AND SHALL NOT BE ENTITLED TO OR MAKE ANY CLAIM FOR ADDITIONAL COMPENSATION IF THE ACTUAL QUANTITY PERFORMED IS MORE OR LESS THAN THE BID QUANTITY ESTIMATED FOR EACH REPAIR ITEM.

REHABILITATE ACCESS
TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 02-SQ,DWG
DESIGN BY: KMS 10/18/2018
DRAWN BY: KMS 10/18/2018
REVIEWED BY: LDH 10/16/18

SHEET TITLE

INDEX OF SHEETS
AND SUMMARY OF
QUANTITIES

GENERAL NOTES

PROJECT DESCRIPTION

THIS PROJECT IS TO REHABILITATE ACCESS TAXIWAYS AT ROCHELLE MUNICIPAL AIRPORT INCLUDING, AMONG OTHER INCIDENTAL WORK, THE FOLLOWING ITEMS:

- PLACEMENT OF TEMPORARY SOIL EROSION CONTROL MEASURES.
- MILLING OF BITUMINOUS (HMA) PAVEMENT.
- PAVEMENT REPLACEMENT AND CRACK AND EDGE REPAIR.
- INSTALLATION OF BITUMINOUS (HMA) OVERLAY.
- PLACEMENT OF PAVEMENT MARKINGS.
- TOPSOILING, SEEDING AND EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.

PROTECTION OF EXISTING AIRPORT FACILITIES

THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UNDERGROUND 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 AIRFIELD 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 CONTRACT.

EXISTING CONTROL POINTS

MF1811	N 1904607.07 E 2591059.08 ELEV. 769 (APPROX.) (NOT SHOWN)	MF1810	N 1905524.80 E 2593430.00 ELEV. 774 (APPROX.)	MF0552	N 1905355.36 E 2595375.73 ELEV. 782.95
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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 SHALL GRADE, LEVEL, TOPSOIL, SEED 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 LOCATIONS 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.

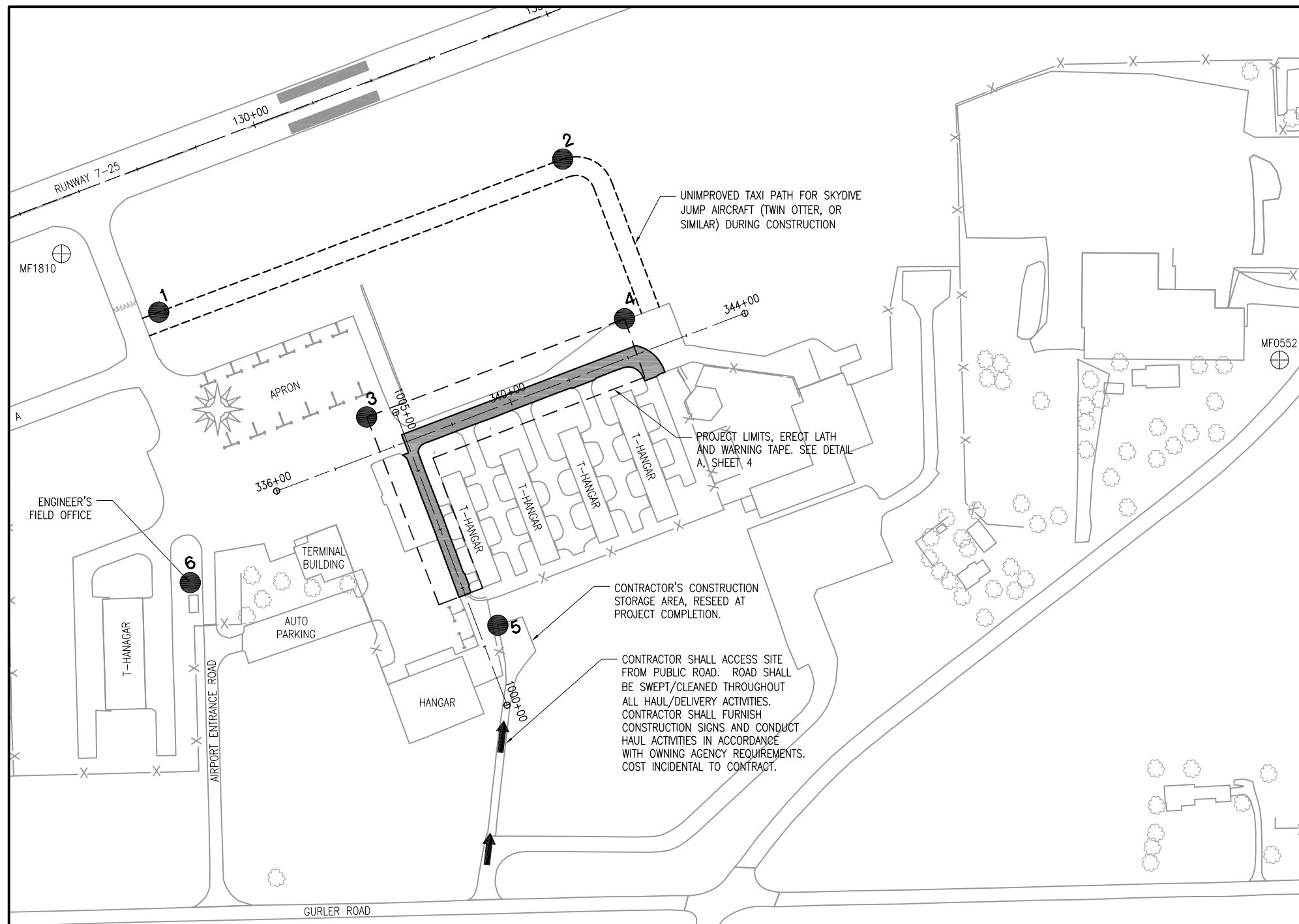
RESPONSIBILITY FOR EXISTING UTILITIES

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 ENCOUNTERED.

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.

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 AT ONCE.

RUNWAY END COORDINATES				
DESCRIPTION	LATITUDE	LONGITUDE	STATION	ELEVATION
RUNWAY 7 END	41° 53' 25.04" N	89° 05' 17.65" W	100+00.00	772.2
RUNWAY 25 END	41° 53' 41.97" N	89° 04' 15.54" W	150+00.00	780.9



POINT INFORMATION									
POINT NO.	DESCRIPTION	MOBILITY	GROUND ELEVATION	OBJECT ELEVATION	LATITUDE	LONGITUDE	RUNWAY 7-25 STATION	RUNWAY 7-25 OFFSET	RUNWAY 7-25 EXIST EL.
1	TAXIING AIRCRAFT	MOVING	774.0	793.5	41° 53' 34.8874" N	89° 04' 32.8489" W	127+51.19	225.5	776.0
2	TAXIING AIRCRAFT	MOVING	774.5	794.0	41° 53' 37.2215" N	89° 04' 24.2762" W	134+41.29	225.5	778.0
3	CONSTRUCTION EQUIPMENT	MOVING	775.1	795.1	41° 53' 33.1903" N	89° 04' 28.4863" W	130+02.32	500.0	777.0
4	CONSTRUCTION EQUIPMENT	MOVING	777.1	797.1	41° 53' 34.6912" N	89° 04' 23.0155" W	134+43.11	499.0	778.0
5	CONSTRUCTION EQUIPMENT	MOVING	776.0	796.0	41° 53' 29.8796" N	89° 04' 25.7711" W	130+80.42	885.2	777.0
6	ENGINEER'S FIELD OFFICE	STATIONARY	774.0	794.0	41° 53' 30.6137" N	89° 04' 32.2558" W	126+45.09	647.3	777.0

NOTES:

1. COORDINATES ARE IN NAD 83 FOR HORIZONTAL AND NAVD 88 FOR VERTICAL.
2. STATIONS, OFFSETS AND ELEVATIONS SHOWN ARE IN FEET.
3. THE APPROACH END OF RUNWAY 7 IS STATION 100+00.
4. THE AIRPORT REFERENCE CODE FOR RUNWAY 7-25 IS B-II NON-PRECISION WITH 1 MILE MINIMUM VISUAL APPROACHES ON BOTH RUNWAY 7 AND RUNWAY 25.

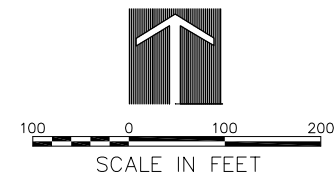


PROJECT IS LOCATED IN
SOUTHEAST 1/4 OF SECTION
31, BENTON TOWNSHIP, LAKE
COUNTY

800.892.0123

NOTES:

1. WORK MUST BE CONTROLLED.
2. MAXIMUM HEIGHT OF CONTRACTOR'S EQUIPMENT 20 FEET FOR ALL WORK, EXCEPT BY PRIOR APPROVAL OF THE ENGINEER (SEE SPECIAL PROVISIONS).
3. TRAFFIC TO BE MAINTAINED ON ALL AIRPORT ROADWAYS AT ALL TIMES.
4. FOR PHASING INFORMATION, SEE PHASING PLAN.



REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 03-SITEPLAN.DWG
DESIGN BY: LDH 12/28/17
DRAWN BY: LDH 12/28/17
REVIEWED BY: LDH 10/16/18

SHEET TITLE

SITE AND SAFETY PLAN

CONSTRUCTION SAFETY AND PHASING PLAN NOTES

SAFETY IS REQUIRED

CONSTRUCTION OF THE PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE GUIDELINES SPECIFIED IN FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT ISSUE). ANY CONTRACTOR ACTIVITIES REQUIRED FOR PROJECT SAFETY SHALL BE PROVIDED BY THE CONTRACTOR AND INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL MAINTAIN A COPY OF FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT ISSUE), AT THE PROJECT SITE AT ALL TIMES.

PRIOR TO THE ISSUANCE OF A CONSTRUCTION NOTICE-TO-PROCEED (NTP) BY THE ILLINOIS DIVISION OF AERONAUTICS, THE CONTRACTOR SHALL PREPARE AND SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G, PARAGRAPH 2.4.2, OR EQUIVALENT SECTION IN SUBSEQUENT/CURRENT ISSUES. THE SPCD SHALL BE REVIEWED AND APPROVED BY THE AIRPORT MANAGER, WHO WILL THEN SUBMIT THE DOCUMENT TO THE ILLINOIS DIVISION OF AERONAUTICS FOR THEIR APPROVAL PRIOR TO NOTICE TO PROCEED.

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 IS INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PROVIDE HIS WRITTEN ACCEPTANCE OF THE PROJECT CONSTRUCTION SAFETY AND PHASING PLAN AT THE PRE-CONSTRUCTION CONFERENCE. ANY AND ALL CHANGES TO THE CONSTRUCTION SAFETY AND PHASING PLAN THAT MAY BE REQUESTED BY THE CONTRACTOR 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 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 RUNWAYS, TAXIWAYS, HANGAR ACCESS, APRONS, ROADWAYS OR PARKING LOTS MUST BE CLOSED, TO MINIMIZE THE LENGTH OF TIME THAT AIRPORT OPERATIONS ARE RESTRICTED.

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 ON-GOING AIRPORT PROJECTS.

CONSTRUCTION LIMITS

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.

VEHICULAR TRAFFIC CONTROL

CONTRACTOR ACCESS TO THE PROJECT WHEN ON AIRPORT PROPERTY IS SHOWN IN THE PLANS. CONTRACTOR'S ACCESS TO THE AIRPORT ITSELF IS TO BE PROVIDED BY 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 THE 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. THE CONTRACTOR MAY MAKE USE OF ANY EXISTING HAUL ROUTES WITHIN THE PROJECT LIMITS, BUT SHALL REPAIR/MAINTAIN SAME DURING CONSTRUCTION, AND SHALL REMOVE THE EXISTING HAUL ROUTES AT PROJECT END, IF DIRECTED BY THE RESIDENT ENGINEER. HEAVY VEHICLES SHALL NOT CROSS EXISTING PAVEMENT SURFACES EXCEPT AS APPROVED BY THE AIRPORT OWNER AND THE RESIDENT ENGINEER. 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 OWNER AND THE RESIDENT ENGINEER. FOR HAUL ROUTES MADE BY THE CONTRACTOR THROUGH GRASSED AREAS OR EXISTING HAULS USED BY THE CONTRACTOR, CONTRACTOR SHALL REMOVE, GRADE LEVEL TOPSOIL SEED AND MULCH AT THE END OF THE PROJECT; COST INCIDENTAL TO THE CONTRACT.

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

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 ENTRANCES AND FOR THE CONTRACTOR'S ROUTE WITHIN THE AIRPORT OPERATIONS AREA, AS NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. WHERE CONTRACTOR EQUIPMENT IS OPERATING WITHIN ACTIVE AIRCRAFT OPERATIONS AREAS, RADIO-EQUIPPED FLAGGERS SHALL BE FURNISHED BY THE CONTRACTOR. CONTINUOUS PAVEMENT SWEEPING SHALL BE FURNISHED TO REMOVE DEBRIS FROM ACTIVE AIRCRAFT MOVEMENT PATHS. THE COST OF TRAFFIC CONTROL/FLAGGERS AND PAVEMENT SWEEPING SHALL BE INCLUDED IN AR150530 TRAFFIC MAINTENANCE.

RUNWAY SAFETY PARAMETERS

WORK WITHIN AREAS USED IN THE RUNWAY OPERATIONS AREA IS NOT ANTICIPATED IN THIS PROJECT. RUNWAY 7-25 MUST BE CLOSED IF UNEXPECTED WORK OCCURS WITHIN THE FOLLOWING AREAS CENTERED ABOUT THE RUNWAY (CATEGORY B-II (LARGE)):

- RUNWAY SAFETY AREA - 150' WIDE AND EXTENDING 300' BEYOND EACH RUNWAY END.
- RUNWAY OBSTACLE FREE ZONE - 400' WIDE AND EXTENDING 200' BEYOND EACH RUNWAY END.
- RUNWAY PROTECTION ZONE - TRAPEZOIDAL AREA BEGINNING 200' BEYOND EACH RUNWAY END, AND WITH AN INNER WIDTH OF 500', OUTER WIDTH OF 700' AND A LENGTH OF 1000'.

NO RUNWAY CLOSURE SHALL BE PERMITTED WITHOUT PRIOR WRITTEN AIRPORT MANAGER APPROVAL.

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, AND ONLY IN THE MANNER SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN. 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 AREAS.
- SHOULD ANY CONTRACTOR PERSONNEL BE IDENTIFIED AS NONCOMPLIANT WITH ANY VEHICLE DRIVING SAFETY REQUIREMENTS IN THIS PROJECT SAFETY PLAN OR IN THE AIRPORT VEHICLE OPERATIONS REGULATIONS, SUCH DRIVERS SHALL BE PENALIZED BY REVOICATION 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 MANAGEMENT, THROUGH THE RESIDENT ENGINEER, PRIOR TO AND DURING WORK OUTSIDE THE CONSTRUCTION LIMIT AREA AND INSIDE THE AIRPORT OPERATIONS AREA. 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 COORDINATE GATE SECURITY, THROUGH THE RESIDENT ENGINEER, WITH THE AIRPORT OWNER. AIRPORT SECURITY SHALL BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL REMAIN WITHIN THE CONSTRUCTION LIMITS LINE SHOWN IN THE PLANS. WHEN OUTSIDE THE CONSTRUCTION LIMITS LINE, ALL CONTRACTOR ACTIVITIES SHALL REMAIN OUTSIDE OF THE RUNWAY OBSTACLE FREE ZONE AND THE RUNWAY PROTECTION ZONES UNLESS THE RUNWAY IS CLOSED. FOR WORK NEAR TAXIWAYS AND APRONS, THE CONTRACTOR'S PERSONNEL AND EQUIPMENT MUST REMAIN AT LEAST 44.5 FEET FROM ACTIVE CATEGORY I TAXIWAYS, 65.5 FEET FROM ACTIVE CATEGORY II TAXIWAY CENTERLINES, AND 93 FEET FROM ACTIVE CATEGORY III TAXIWAY CENTERLINES, 39.5 FEET FROM ACTIVE T-HANGAR TAXILANE CENTERLINES, AND TEN (10) FEET FROM ACTIVE APRON EDGES. (ALL TAXIWAYS IN THE PROJECT WORK AREA ARE CATEGORY I (44.5 FEET) OR CATEGORY II (65.5 FEET), AS IS SHOWN IN THE PHASING PLAN). 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, AND IN THE CASE OF RUNWAY PAVEMENTS, CLOSED RUNWAY MARKERS. NO CLOSURE OF ANY RUNWAY WILL BE PERMITTED FOR THIS PROJECT, EXCEPT AS NOTED ELSEWHERE IN THIS PARAGRAPH.

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 (HIGHWAY STANDARDS). SEE ITEM 150530, TRAFFIC MAINTENANCE, IN THE SPECIAL PROVISIONS.

THIS PROJECT INCLUDES THE CLOSING OF TAXIWAY AND APRON PAVEMENTS (NO RUNWAY CLOSURES WILL BE ALLOWED AS PART OF THIS PROJECT). FOR ALL PAVEMENT CLOSURES, THE CONTRACTOR SHALL FURNISH, PLACE, MAINTAIN, RELOCATE, AND REMOVE TEMPORARY BARRICADES ON AIRFIELD RUNWAYS, TAXIWAYS, AND OTHER PAVEMENTS SURFACES AS SHOWN AND DETAILED IN THE CONSTRUCTION PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER. THE COST OF PLACING, MAINTAINING AND REMOVING BARRICADES SHALL BE INCIDENTAL TO AR150530 TRAFFIC MAINTENANCE.

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 7-25. THE TSA IS MEASURED AT 24.5 FEET FROM THE CATEGORY I TAXIWAY CENTERLINE, 39.5 FEET FROM THE CATEGORY II TAXIWAY CENTERLINE, AND 59 FEET FROM THE CATEGORY III TAXIWAY CENTERLINE, AND 24.5 FEET FROM THE T-HANGAR TAXILANE CENTERLINE. NO VERTICAL DROP OF GREATER THAN 3-INCHES IN HEIGHT FROM PAVEMENT EDGE TO EARTH GRADE OR EARTH GRADE TO EARTH GRADE WITHIN THE RSA OR TSA WILL BE PERMITTED WHEN THE RUNWAY OR TAXIWAY IS OPEN TO AIR TRAFFIC. THE CONTRACTOR WILL HAVE STEEL PLATES ON-SITE TO ALLOW FOR THE RAPID COVERING OF TRENCHES 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 EQUIPMENT SHALL BE PARKED WITHIN THE CONTRACTOR'S EQUIPMENT STORAGE AND PARKING AREAS. THE EQUIPMENT STORAGE AND PARKING AREAS ARE TO BE LOCATED AS SHOWN ON THE CONSTRUCTION SAFETY AND PHASING 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. THE CONTRACTOR SHALL PROTECT ALL EXISTING PAVEMENT EDGES FROM DAMAGE FROM CONSTRUCTION EQUIPMENT AND HAUL VEHICLES.

BEFORE REOPENING TEMPORARILY CLOSED TAXIWAYS, 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. CRANES SHALL NOT BE USED DURING INSTRUMENT WEATHER CONDITIONS OR AT NIGHT. CRANES SHALL BE LOWERED WHEN NOT IN USE.

NOTIFICATIONS BY CONTRACTOR

THE CONTRACTOR MUST NOTIFY THE RESIDENT ENGINEER AND THE AIRPORT OWNER THREE (3) DAYS 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 THREE (3) DAYS IN ADVANCE OF THE CONTRACTOR'S CLOSING OF OTHER ACTIVE ROADWAYS, AIRFIELD OR ROADWAY LIGHTING CIRCUITS, OR OTHER AIRPORT FACILITIES.

CONTRACTOR'S USE OF SITE

AT NO TIME SHALL THE CONTRACTOR CONDUCT ANY ACTIVITIES OR OPERATE OR PARK EQUIPMENT SO AS TO OBSTRUCT ACTIVE PART 77 AIRPORT IMAGINARY SURFACES.

- ALL WORK SHALL BE LIMITED TO THOSE AREAS WITHIN THE CONSTRUCTION LIMIT LINE SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN, INCLUDING ALL MEN, EQUIPMENT, AND MATERIALS/HAUL VEHICLES.
- START OF ANY WORK SHALL BE PREVIOUSLY NOTIFIED AND PRIOR APPROVED BY THE RESIDENT ENGINEER AND THE AIRPORT OWNER.

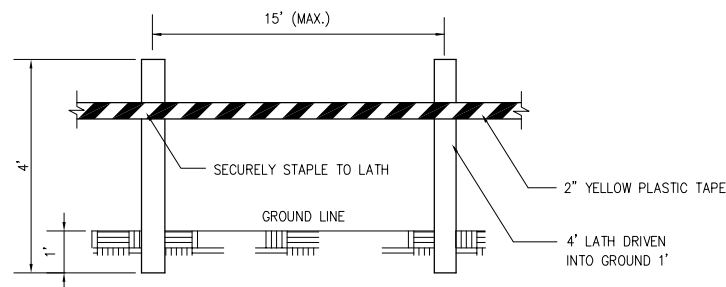
THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF THE WORK AREA PRIOR TO BEGINNING WORK AT A NEW LOCATION.

UTILITY 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.

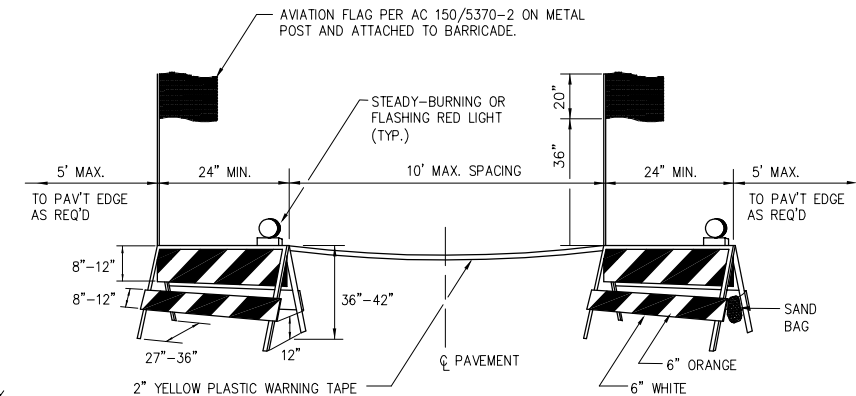
ALL NOTES AND DETAILS SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN ARE APPLICABLE TO THIS PROJECT.

ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPROVED PROJECT CONSTRUCTION AND PHASING 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.



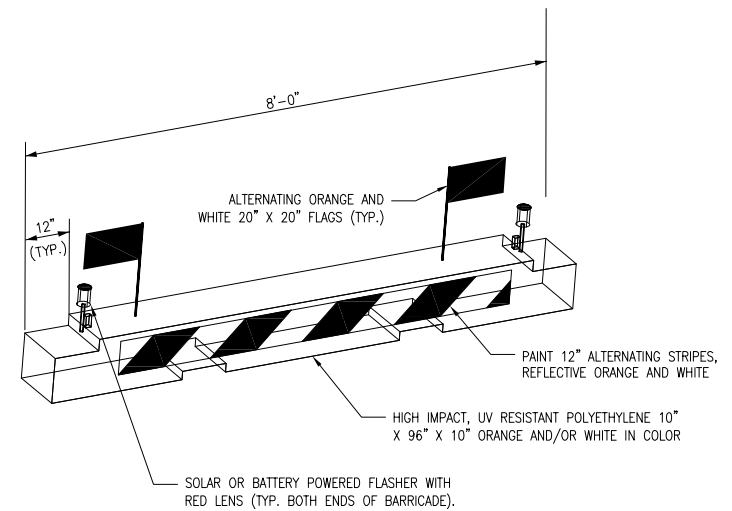
MATERIALS ARE TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION. COST OF MATERIALS, INSTALLATION, RELOCATION AND MAINTENANCE OF LATHING AND WARNING TAPE IS TO BE INCIDENTAL TO ITEM AR150530 TRAFFIC MAINTENANCE.

**DETAIL C
LATHING AND WARNING TAPE**



BARRICADES ARE TO BE OF IDOT TYPE II. A STEADY-BURNING OR FLASHING RED LIGHT FACING PASSING TRAFFIC IS TO BE MOUNTED ABOVE THE TOP OF EACH BARRICADE FRAME. THE BARRICADE IS TO BE STABILIZED FROM WIND BY SANDBAGS PLACED ON THE FRAME OR OTHER METHODS APPROVED BY THE RESIDENT ENGINEER. NO PART OF THE REFLECTORIZED PORTION OF THE BARRICADE IS TO BE OBSTRUCTED IN ANY MANNER. COST OF FURNISHING, INSTALLING, RELOCATING, MAINTAINING AND REMOVING BARRICADES IS TO BE INCIDENTAL TO ITEM AR150530 TRAFFIC MAINTENANCE.

**DETAIL B
STANDARD PAVEMENT BARRICADES**



NOTES:

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

**DETAIL A
LOW PROFILE AIRCRAFT BARRICADE DETAIL**

REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

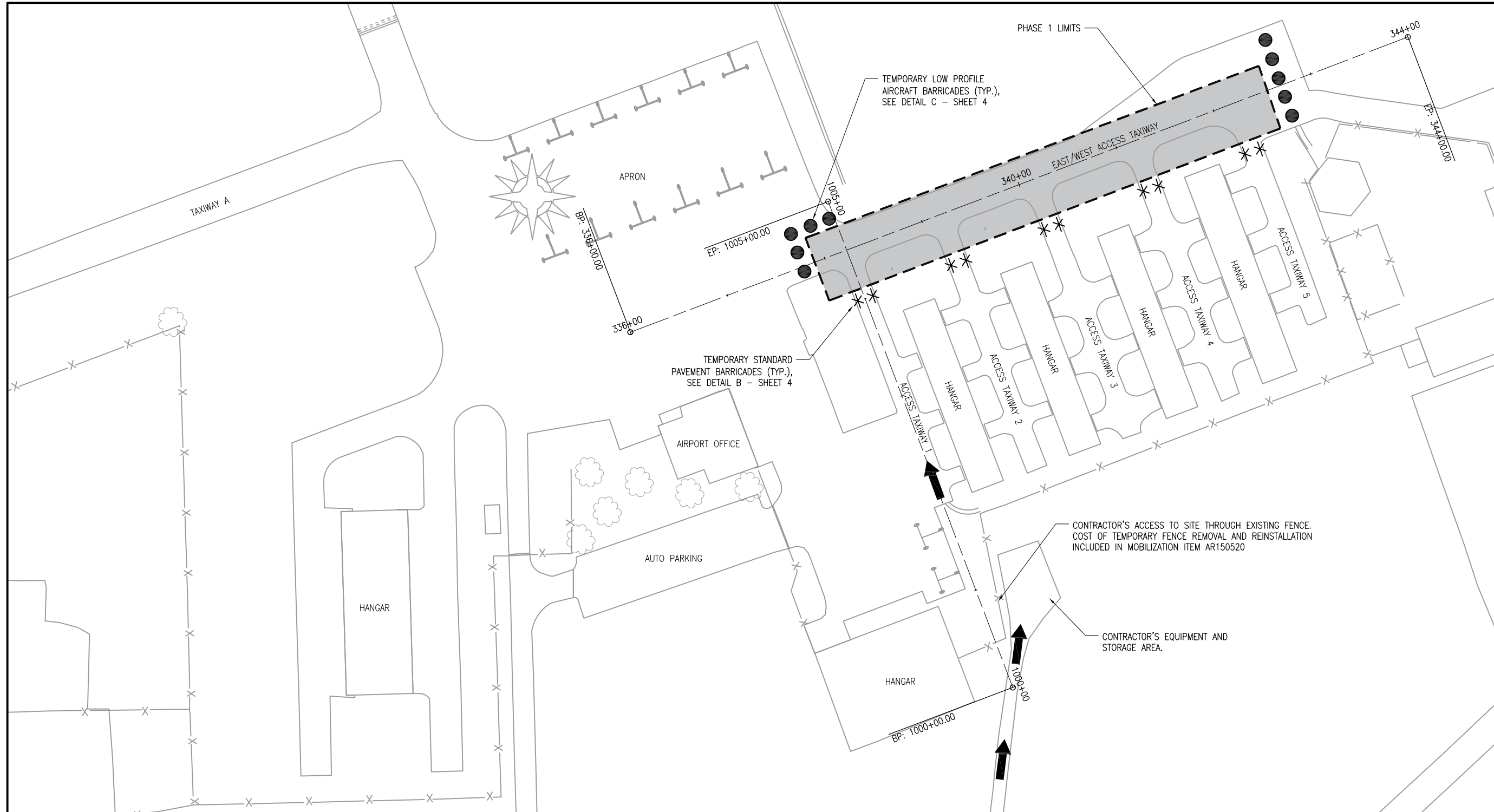
IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 04-SAFETYNOTES.DWG
DESIGN BY: XXX XX/XX/XXXX
DRAWN BY: XXX XX/XX/XXXX
REVIEWED BY: LDH 10/16/18

SHEET TITLE

CONSTRUCTION SAFETY AND PHASING PLAN NOTES



REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBG-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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CAD FILE: 05-PHASING.DWG
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DRAWN BY: LDH 12/20/17
REVIEWED BY: LDH 10/16/18

SHEET TITLE

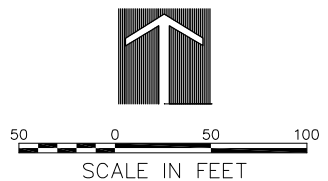
CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1

NOTES

1. ALL CONTRACTOR ACTIVITIES SHALL TAKE PLACE WITHIN CONSTRUCTION LIMIT LINES AS SHOWN.
2. CONTRACTOR SHALL FURNISH 3 BUSINESS DAYS ADVANCED NOTICE PRIOR TO ANY WORK THAT PREVENTS AIRCRAFT INGRESS/EGRESS TO ANY HANGAR UNIT WITHIN THE CONSTRUCTION LIMIT.
3. ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 20 FEET UNLESS PRIOR APPROVAL IS GIVEN BY THE ENGINEER (SEE SPECIAL PROVISIONS).
4. CONTRACTOR'S EQUIPMENT MAY NOT DISRUPT FLIGHT OPERATIONS ON RUNWAY 7-25 AT ANY TIME.
5. TRAFFIC TO BE MAINTAINED ON ALL AIRPORT ROADWAYS AT ALL TIMES.
6. LIMITED ACCESS TO HANGAR AREAS WILL BE COORDINATED WITH THE TENANTS BY THE AIRPORT.
7. SEE CONSTRUCTION SITE PLAN ON SHEET 3 AND SAFETY NOTES ON SHEET 4.

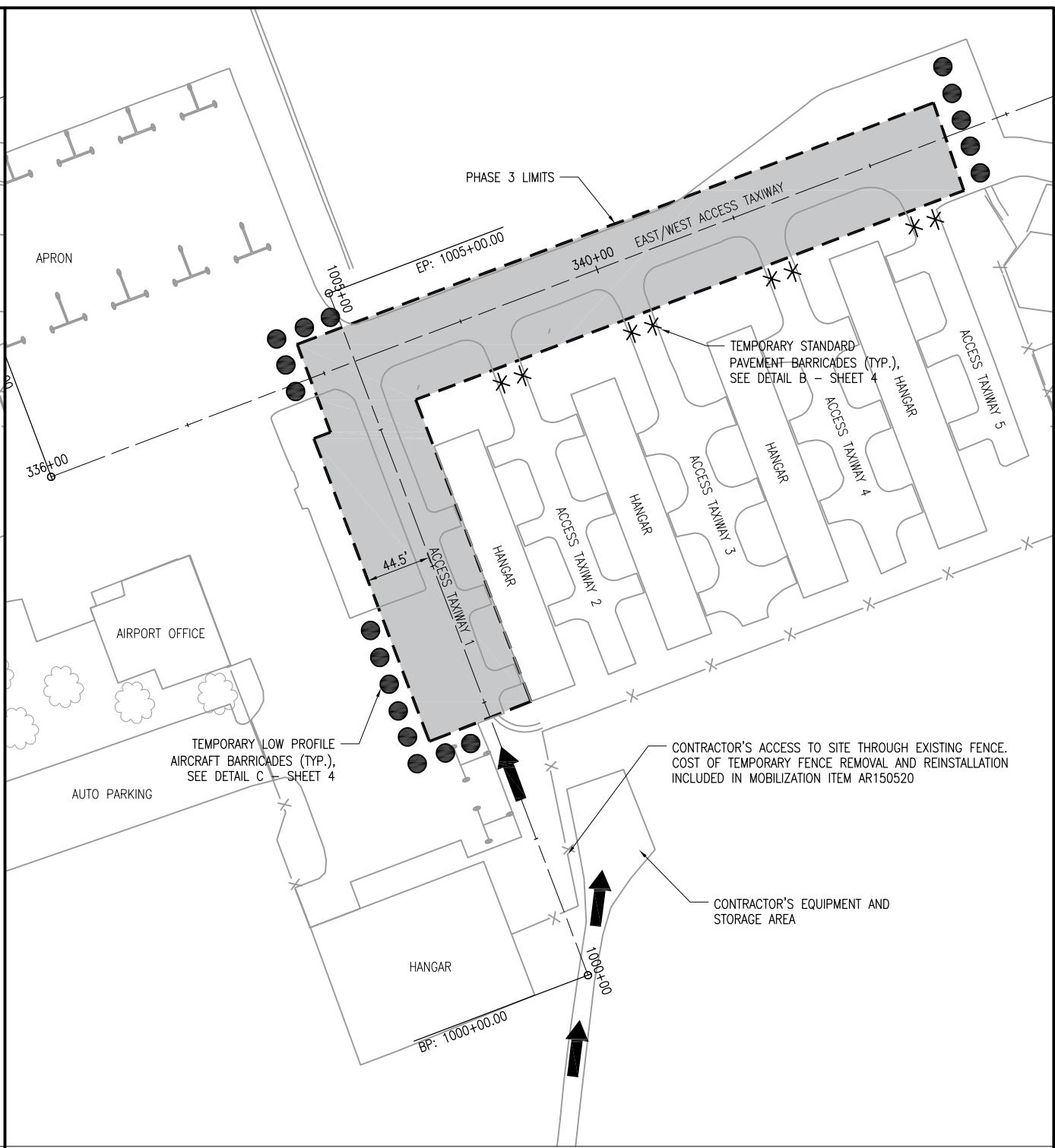
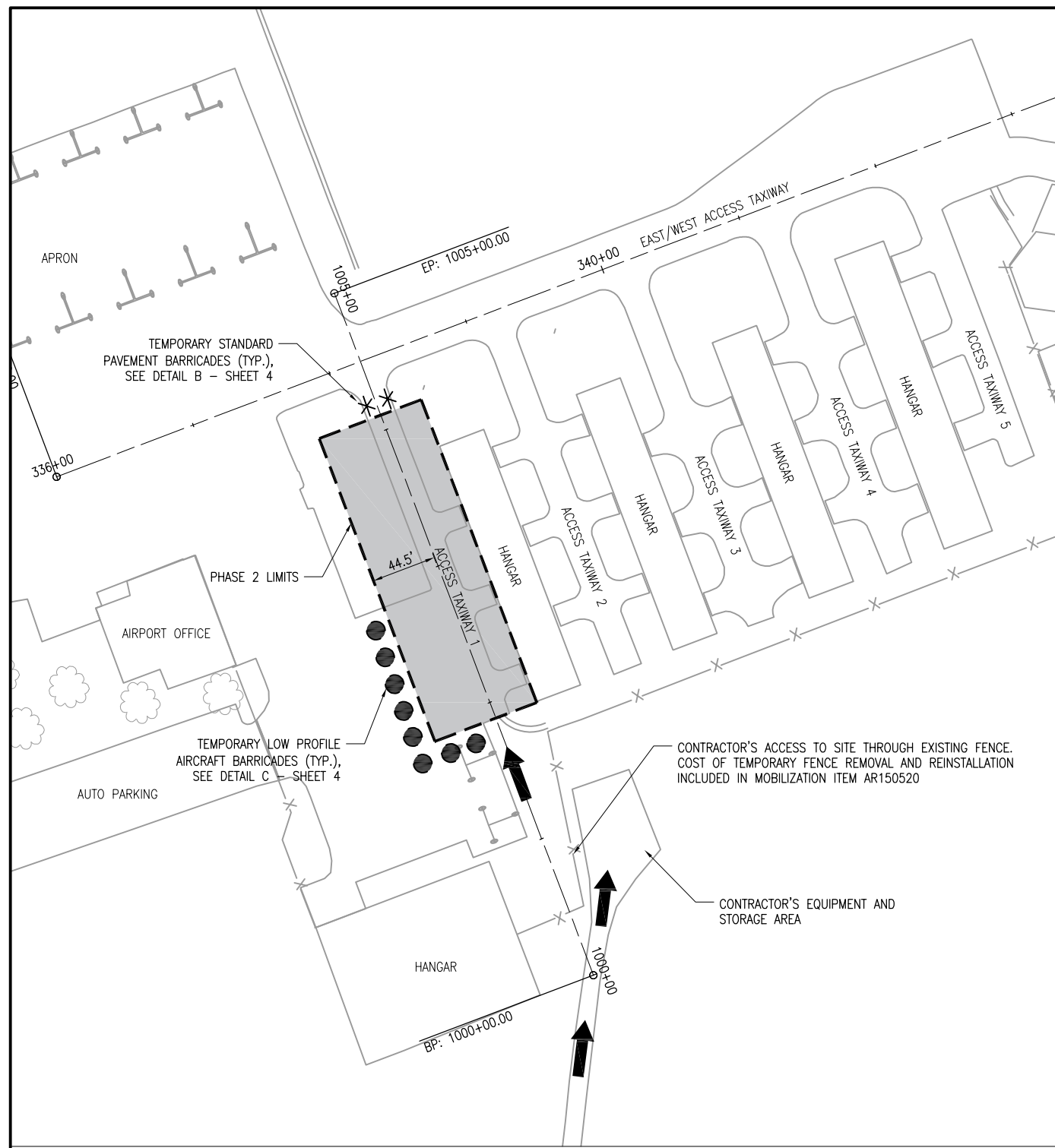
THE FOLLOWING ITEMS ARE TO BE COMPLETED IN PHASE 1:

1. INSTALLATION OF SOIL EROSION CONTROL MEASURES FOR ENTIRE PROJECT AREA.
2. MILLING OF PAVEMENTS WITHIN THE PHASE 1 LIMITS.
3. PARTIAL DEPTH REPLACEMENT, CRACK REPAIR AND EDGE REPAIR WITHIN PHASE 1 LIMITS.



CONSTRUCTION VEHICLES SHALL BE CONTROLLED BY CONTRACTOR AND SHALL ALWAYS YIELD TO AIRCRAFT. SEE SPECIAL PROVISIONS.

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NOTES

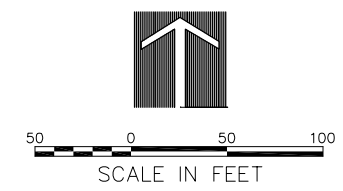
1. ALL CONTRACTOR ACTIVITIES SHALL TAKE PLACE WITHIN CONSTRUCTION LIMIT LINES AS SHOWN.
2. CONTRACTOR SHALL FURNISH 3 BUSINESS DAYS ADVANCED NOTICE PRIOR TO ANY WORK THAT PREVENTS AIRCRAFT INGRESS/EGRESS TO ANY HANGAR UNIT WITHIN THE CONSTRUCTION LIMIT.
3. ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 20 FEET UNLESS PRIOR APPROVAL IS GIVEN BY THE ENGINEER (SEE SPECIAL PROVISIONS).
4. CONTRACTOR'S EQUIPMENT MAY NOT DISRUPT FLIGHT OPERATIONS ON RUNWAY 7-25 AT ANY TIME.
5. TRAFFIC TO BE MAINTAINED ON ALL AIRPORT ROADWAYS AT ALL TIMES.
6. LIMITED ACCESS TO HANGAR AREAS WILL BE COORDINATED WITH THE TENANTS BY THE AIRPORT.
7. SEE CONSTRUCTION SITE PLAN ON SHEET 3 AND SAFETY NOTES ON SHEET 4.

THE FOLLOWING ITEMS ARE TO BE COMPLETED IN PHASE 2:

1. MILLING OF PAVEMENTS WITHIN THE PHASE 2 LIMITS.
2. CRACK REPAIR EDGE REPAIR WITHIN PHASE 2 LIMITS.

THE FOLLOWING ITEMS ARE TO BE COMPLETED IN PHASE 3:

1. PLACEMENT OF SURFACE COURSE WITHIN PHASE 3 LIMITS.
2. INSTALLATION OF PAVEMENT MARKINGS WITHIN PHASE 3 LIMITS.
3. GRADING, TOPSOILING, SEEDING AND INSTALLATION OF EROSION CONTROL BLANKET WITHIN PHASE 3 LIMITS.



CONSTRUCTION VEHICLES SHALL BE CONTROLLED BY CONTRACTOR AND SHALL ALWAYS YIELD TO AIRCRAFT. SEE SPECIAL PROVISIONS.

REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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SHEET TITLE

CONSTRUCTION SAFETY & PHASING PLAN - PHASE 2

REHABILITATE ACCESS
TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

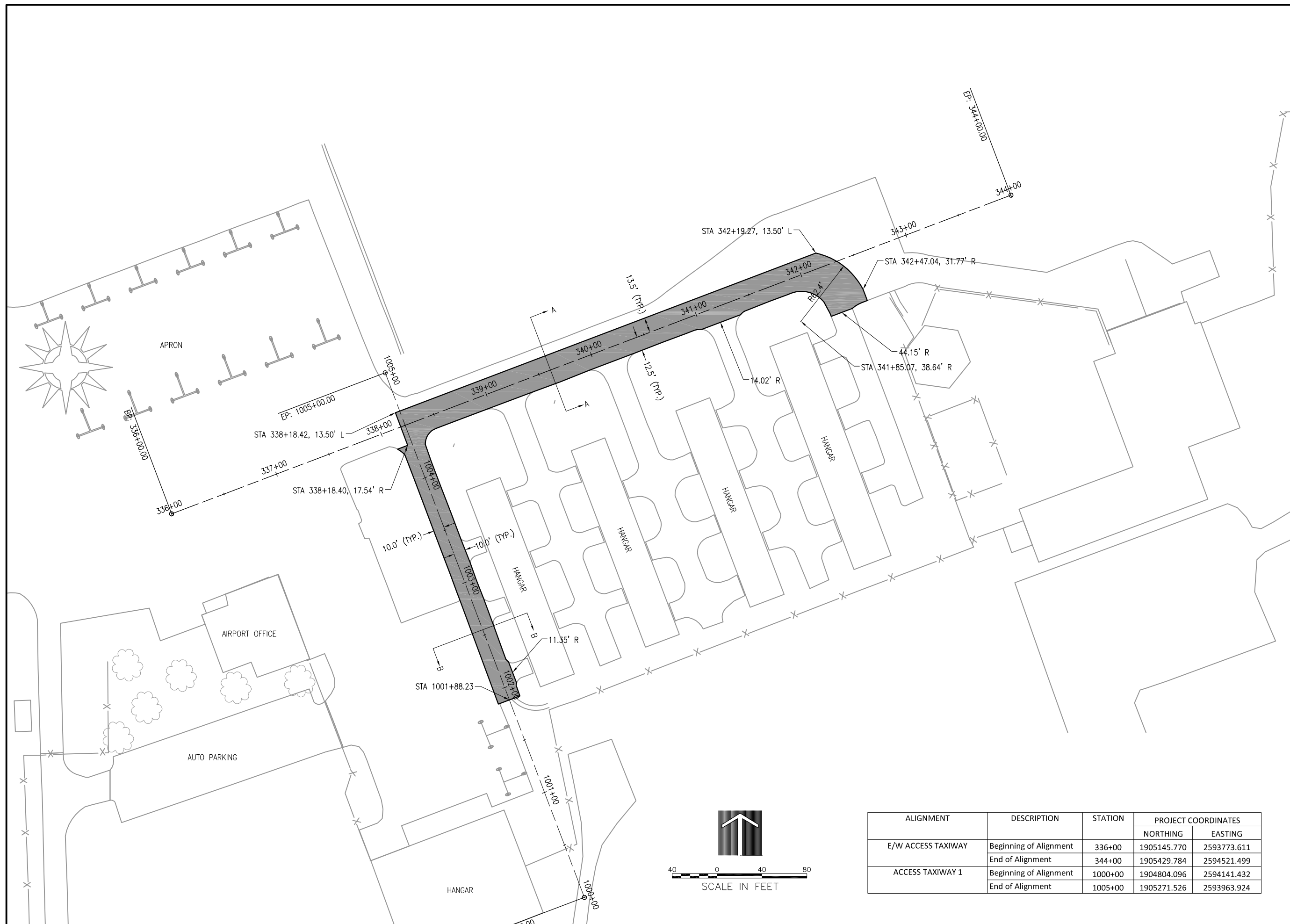
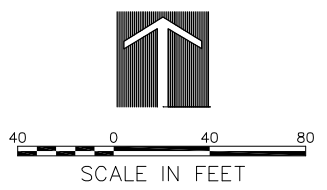
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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PROJECT NO: 17A0056
CAD FILE: 07-ALIGN.DWG
DESIGN BY: LDH 1/3/18
DRAWN BY: LDH 1/3/18
REVIEWED BY: LDH 10/16/18

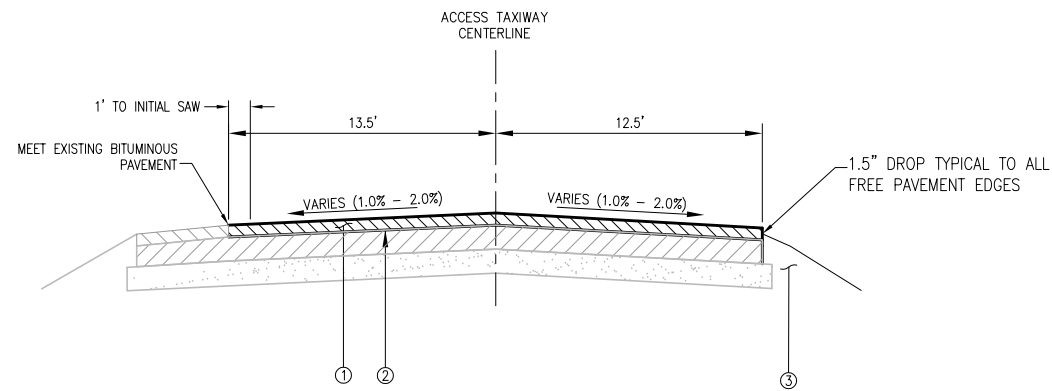
SHEET TITLE

ALIGNMENT DATA
TABLE AND
PAVEMENT LAYOUT

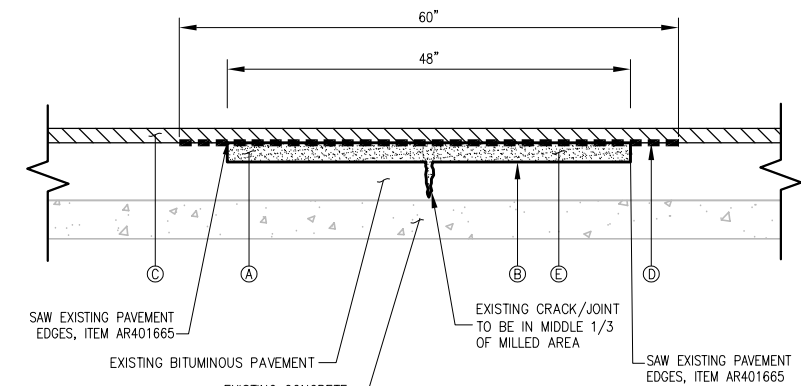
ALIGNMENT	DESCRIPTION	STATION	PROJECT COORDINATES	
			NORTHING	EASTING
E/W ACCESS TAXIWAY	Beginning of Alignment	336+00	1905145.770	2593773.611
	End of Alignment	344+00	1905429.784	2594521.499
ACCESS TAXIWAY 1	Beginning of Alignment	1000+00	1904804.096	2594141.432
	End of Alignment	1005+00	1905271.526	2593963.924



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**TYPICAL SECTION - EAST/WEST ACCESS TAXIWAY
SECTION A-A**

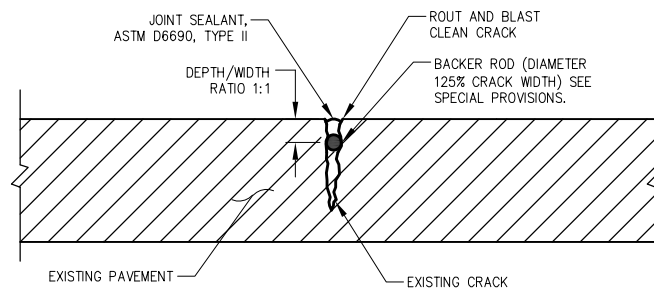


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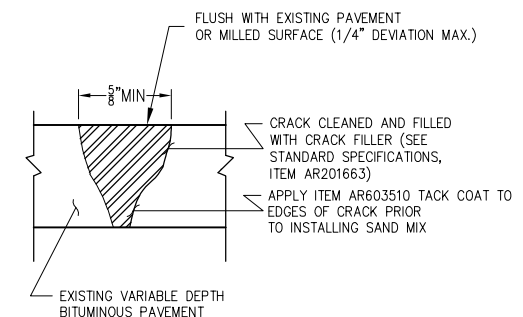
- TACK COAT SHALL BE APPLIED TO MILLED SURFACE OUTSIDE OF CRACK CONTROL MATERIAL.
- CRACK CONTROL MATERIAL SHALL OVERLAP BITUMINOUS SAND MIX 6" EACH SIDE.
- BITUMINOUS PAVEMENT SAWING TO BE PAID FOR AS ITEM AR401665.

- (A) PAVEMENT MILLING, ITEM AR401650.
- (B) PROPOSED BITUMINOUS TACK COAT, ITEM AR603510.
- (C) PROPOSED OVERLAY
- (D) CRACK CONTROL MATERIAL (60" WIDE), ITEM AR201670.
- (E) BITUMINOUS SAND MIX - 2 INCH, ITEM AR201662.

**TYPICAL SECTION - PARTIAL DEPTH
BITUMINOUS REPAIR
TYPE C**



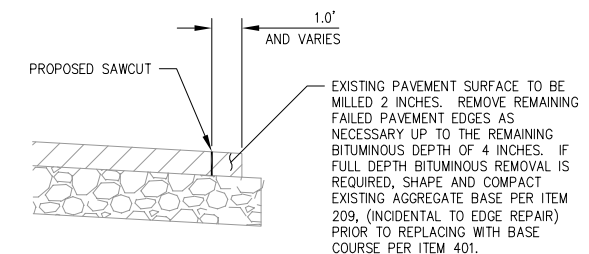
**CLEAN AND SEAL CRACKS
TYPE A**



NOTES:

- CRACKS TO BE FILLED WITH SAND MIX SHALL BE AS SHOWN IN PLANS OR AS DESIGNATED BY THE RESIDENT ENGINEER.
- SAND MIX CRACK REPAIR SHALL BE USED ON ALL TYPE B CRACKS, OR AS DESIGNATED BY THE RESIDENT ENGINEER.
- CONTRACTOR SHALL ROUT CRACK, PLOW, AND REMOVE LOOSE FILLER LOOSE AGGREGATE AND LAITANCE WITH COMPRESSED AIR AS SPECIFIED PRIOR TO TACK COAT AND SEALING.

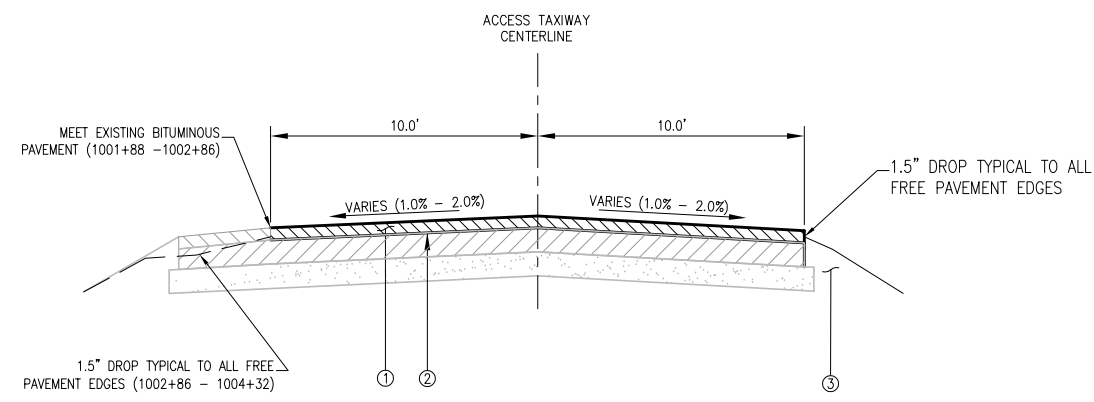
**SAND MIX CRACK REPAIR DETAIL
TYPE B**



NOTES:

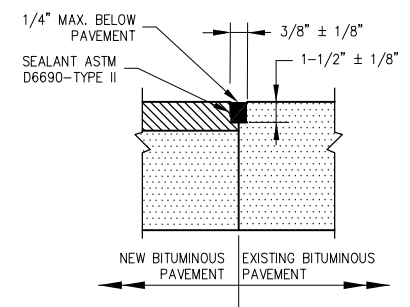
- TACK COAT SHALL BE APPLIED IF ONLY PARTIAL BITUMINOUS DEPTH IS REMOVED.
- PRIME COAT SHALL BE APPLIED IF FULL BITUMINOUS DEPTH REMOVED. TACK COAT SHALL BE PLACED BETWEEN LIFTS.
- BITUMINOUS PAVEMENT SAWING TO BE PAID FOR AS ITEM AR401665.
- SHAPING/COMPACTING EXISTING AGGREGATE, TACK/PRIME COAT AND BITUMINOUS MATERIAL ARE INCIDENTAL TO EDGE REPAIR.

TYPICAL SECTION - EGDE REPAIR



**TYPICAL SECTION - ACCESS TAXIWAY 1
SECTION B-B**

- ① PROPOSED 2.0 INCH BITUMINOUS SURFACE COURSE, ITEM AR401613
- ② PROPOSED BITUMINOUS TACK COAT, ITEM AR603510
- ③ PROPOSED TOPSOILING (FROM OFF-SITE), ITEM AR905520



NOTE:

ALL BITUMINOUS/BITUMINOUS JOINT SEALING TO BE PAID UNDER SAW AND SEAL BITUMINOUS JOINTS, ITEM AR401660.

BITUMINOUS/BITUMINOUS SEAL

REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBG-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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REVIEWED BY: LDH 10/16/18

SHEET TITLE

TYPICAL SECTIONS AND PAVEMENT DETAILS

REHABILITATE ACCESS
TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

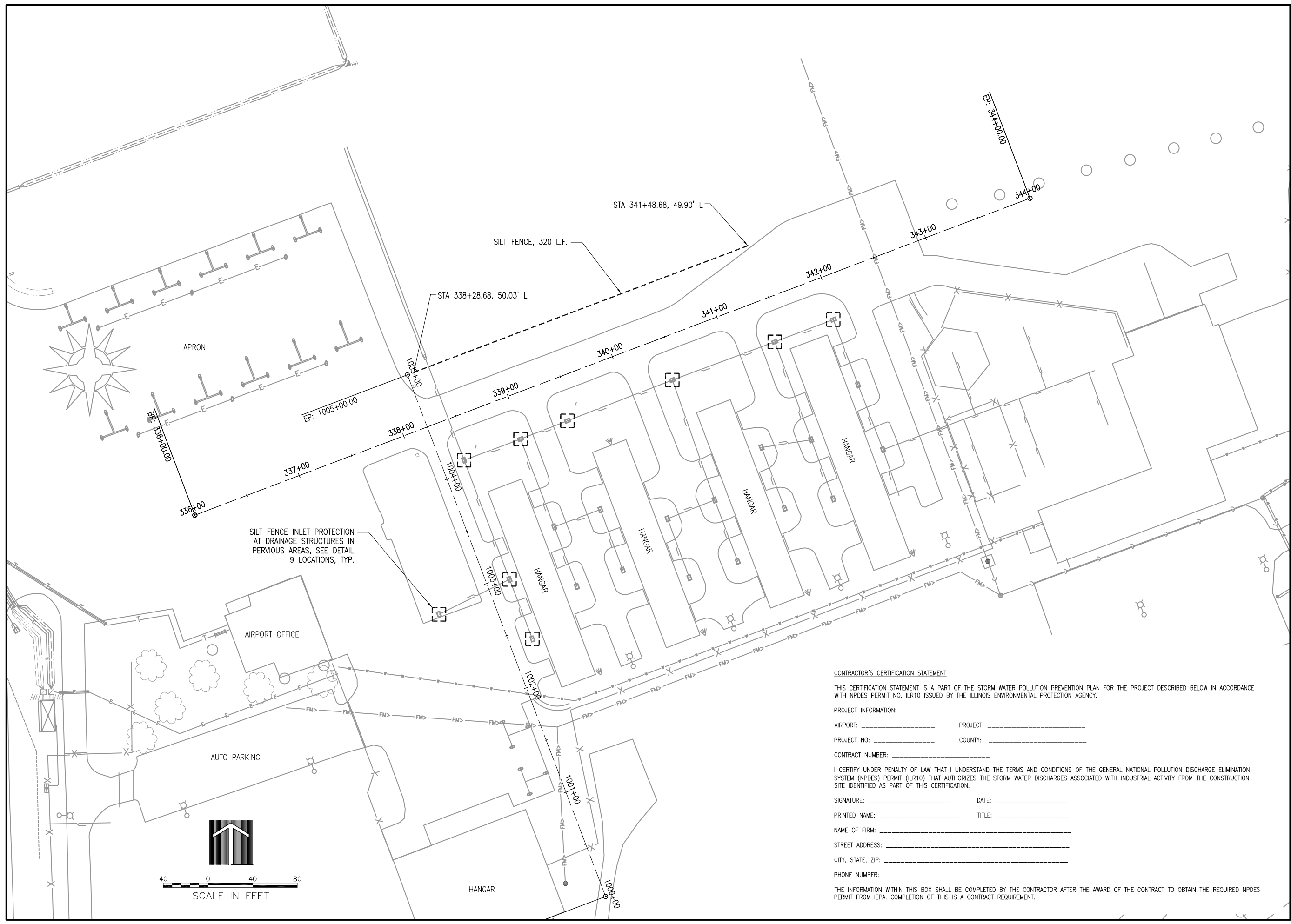
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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PROJECT NO: 17A0056
CAD FILE: 09-SWPP.DWG
DESIGN BY: LDH 1/3/18
DRAWN BY: LDH 1/3/18
REVIEWED BY: LDH 10/16/18

SHEET TITLE

STORM WATER
POLLUTION
PREVENTION PLAN



CONTRACTOR'S CERTIFICATION STATEMENT

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

PROJECT INFORMATION:

AIRPORT: _____ PROJECT: _____

PROJECT NO: _____ COUNTY: _____

CONTRACT NUMBER: _____

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

SIGNATURE: _____ DATE: _____

PRINTED NAME: _____ TITLE: _____

NAME OF FIRM: _____

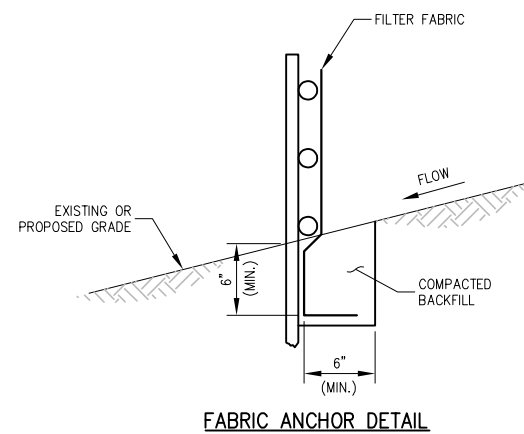
STREET ADDRESS: _____

CITY, STATE, ZIP: _____

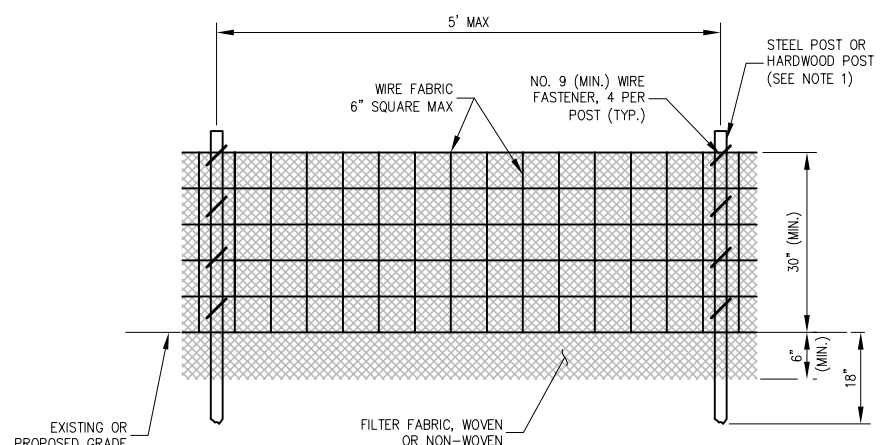
PHONE NUMBER: _____

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

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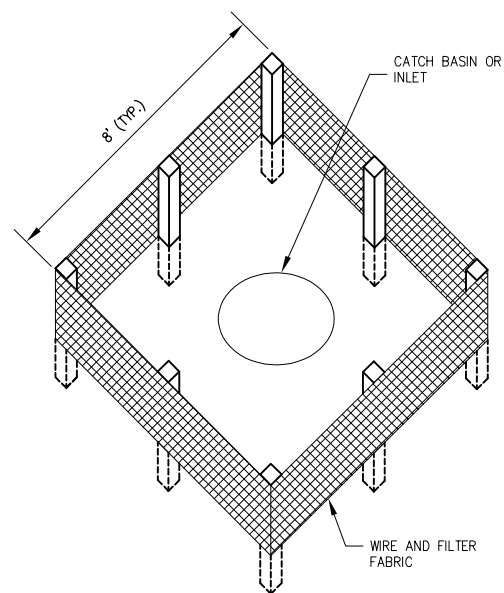
FABRIC ANCHOR DETAIL



ELEVATION

NOTES:

- FENCE POST SHALL BE EITHER STEEL "1" LINE POST OR HARDWOOD POST WITH A MINIMUM SECTIONAL AREA OF 2.0 SQUARE INCHES. A CARPENTER'S (NOMINAL) 2"x2" POST WILL MEET SPECIFICATIONS.
- 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.
- WHEN TWO SECTIONS OF FILTER FABRIC MEET, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED AND ATTACHED TO THE WIRE FABRIC AT A POST.
- FILTER FABRIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS WITH APPARENT OPENING SIZE (AOS) OF AT LEAST 40 FOR NONWOVEN AND WOVEN (OR MAXIMUM OF 0.60mm). **THE FABRIC MUST MEET THE APPLICABLE STANDARDS OF AASHTO 288-00 (Article IV, Section B.1.1.f.i, AS AMENDED), OR EQUIVALENT.**
- A MAXIMUM OF 5 FEET IS USED FOR POST-TO-POST SPACING.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- 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.
- 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).
- FENCE POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END.
- 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.



SILT FENCE AT MANHOLES IN PERVIOUS AREAS

NOTES:

- FILTER FABRIC SHALL BE EMBEDDED 8" INTO THE SOIL.
- INSPECTION SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS AT THE DIRECTION OF THE AIRPORT REPRESENTATIVE OR OWNER SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. CONTRACTOR SHALL PLACE SEED AND MULCH AROUND STRUCTURES PER LANDSCAPING PLAN. COST OF REMOVAL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR SILT FENCE.
- AREAS DISTURBED OUTSIDE OF CONSTRUCTION LIMITS DURING PLACEMENT OF INLET PROTECTION TO BE RE-GRADED, SEEDED AND MULCHED, COST INCIDENTAL TO SILT FENCE.
- FENCE AND POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END.
- PAID UNDER AR156510 SILT FENCE

SEDIMENTATION AND EROSION CONTROL NOTES:

- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-01 (RR-01) UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

STORM WATER POLLUTION PREVENTION NOTES

GENERAL

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

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

POLLUTION PREVENTION MEASURES

THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHEREVER POSSIBLE AND AS SOON AS CONSTRUCTION PERMITS IN OTHER AREAS. POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THESE CONSTRUCTION PLANS, AND WITH STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, 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 MEASURES.

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

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

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

REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

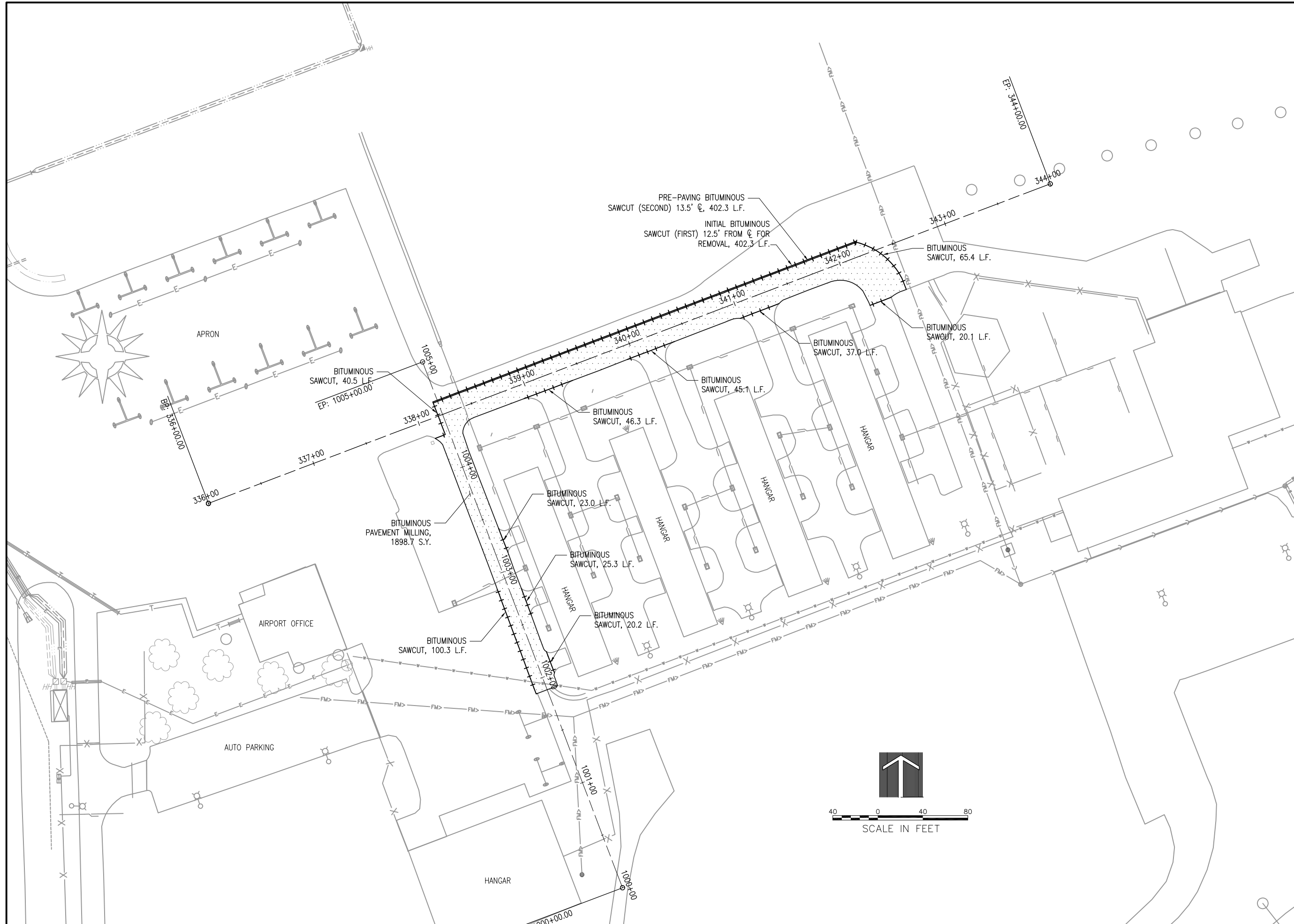
IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 10-SWPP DET.DWG
DESIGN BY: LDH 1/3/18
DRAWN BY: LDH 1/3/18
REVIEWED BY: LDH 10/16/18

SHEET TITLE

SWPP DETAILS



REHABILITATE ACCESS
TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

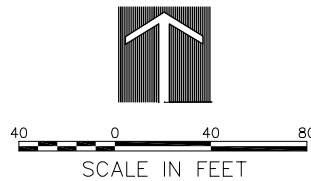
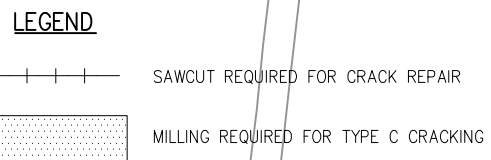
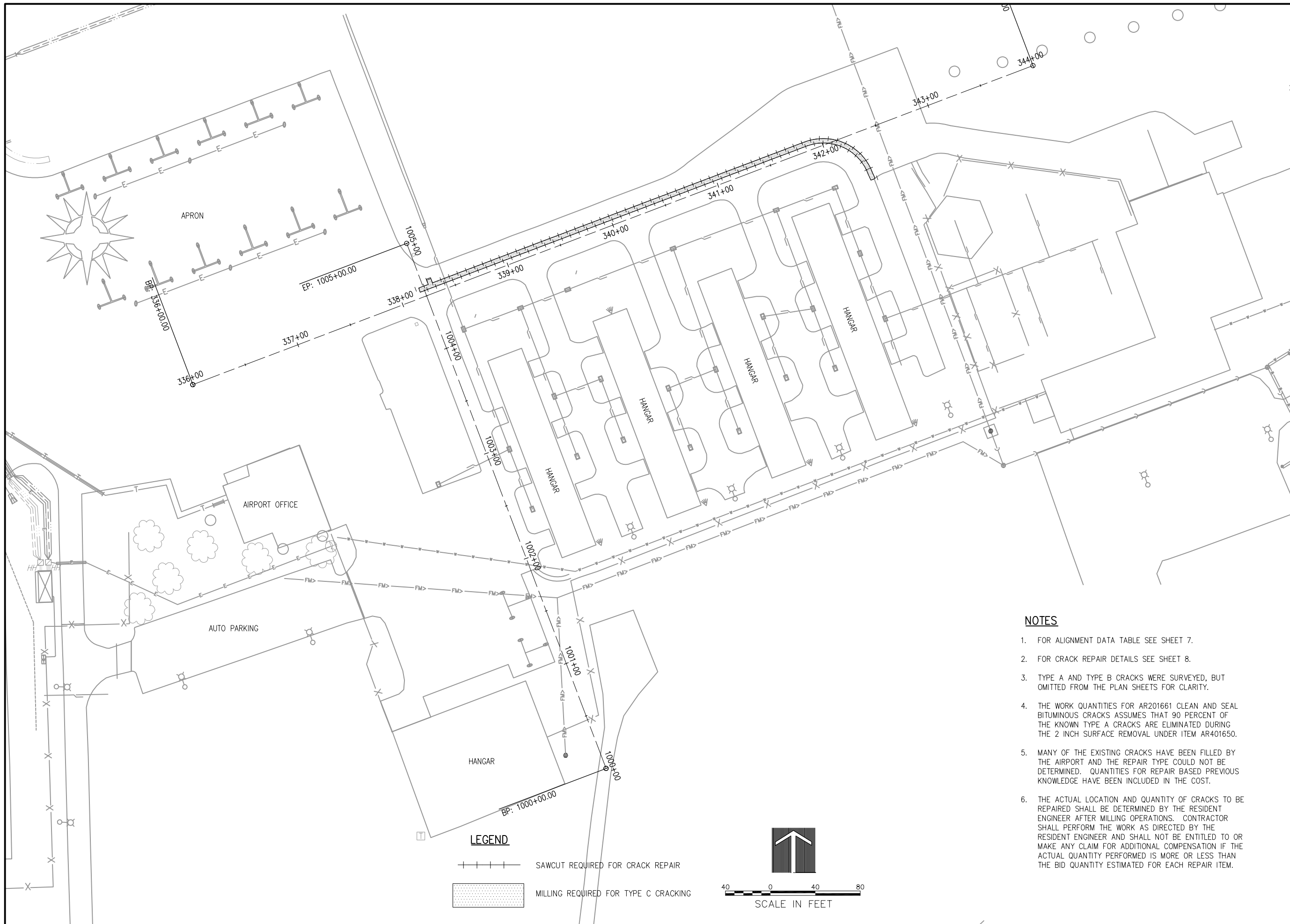
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		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 11-REMOVAL.DWG
DESIGN BY: LDH 1/3/18
DRAWN BY: LDH 1/3/18
REVIEWED BY: LDH 10/16/18

SHEET TITLE

REMOVAL PLAN

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NOTES

- FOR ALIGNMENT DATA TABLE SEE SHEET 7.
- FOR CRACK REPAIR DETAILS SEE SHEET 8.
- TYPE A AND TYPE B CRACKS WERE SURVEYED, BUT OMITTED FROM THE PLAN SHEETS FOR CLARITY.
- THE WORK QUANTITIES FOR AR201661 CLEAN AND SEAL BITUMINOUS CRACKS ASSUMES THAT 90 PERCENT OF THE KNOWN TYPE A CRACKS ARE ELIMINATED DURING THE 2 INCH SURFACE REMOVAL UNDER ITEM AR401650.
- MANY OF THE EXISTING CRACKS HAVE BEEN FILLED BY THE AIRPORT AND THE REPAIR TYPE COULD NOT BE DETERMINED. QUANTITIES FOR REPAIR BASED PREVIOUS KNOWLEDGE HAVE BEEN INCLUDED IN THE COST.
- THE ACTUAL LOCATION AND QUANTITY OF CRACKS TO BE REPAIRED SHALL BE DETERMINED BY THE RESIDENT ENGINEER AFTER MILLING OPERATIONS. CONTRACTOR SHALL PERFORM THE WORK AS DIRECTED BY THE RESIDENT ENGINEER AND SHALL NOT BE ENTITLED TO OR MAKE ANY CLAIM FOR ADDITIONAL COMPENSATION IF THE ACTUAL QUANTITY PERFORMED IS MORE OR LESS THAN THE BID QUANTITY ESTIMATED FOR EACH REPAIR ITEM.

REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 12-CRACKS.DWG
DESIGN BY: LDH 06/18/2018
DRAWN BY: LDH 06/18/2018
REVIEWED BY: LDH 10/16/18

SHEET TITLE

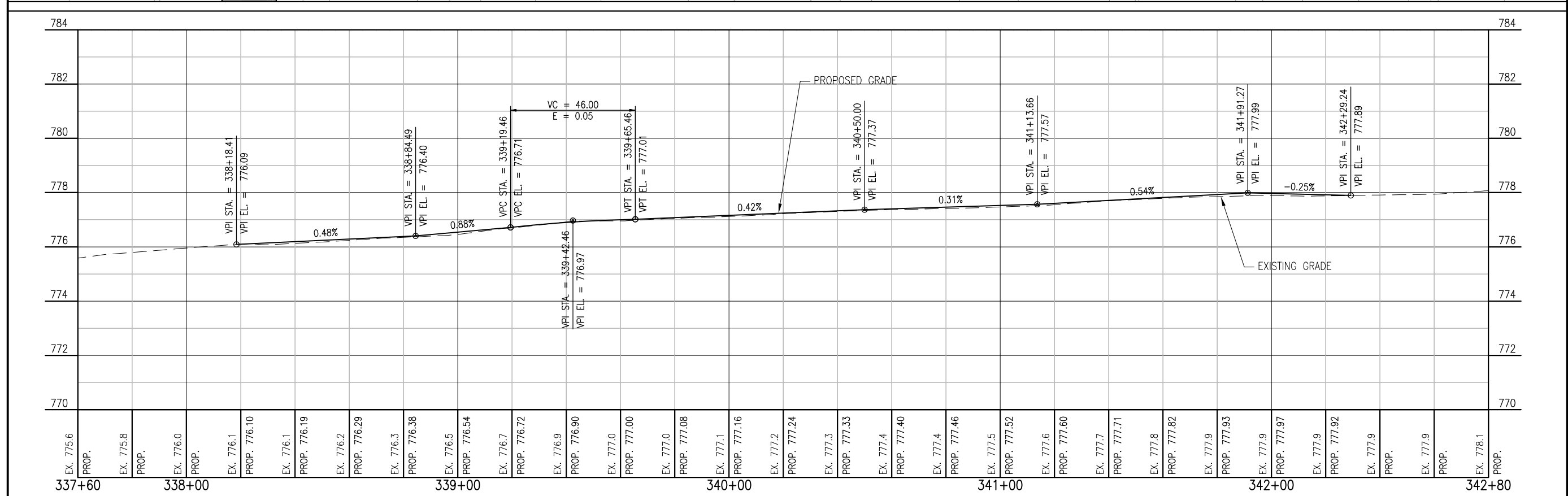
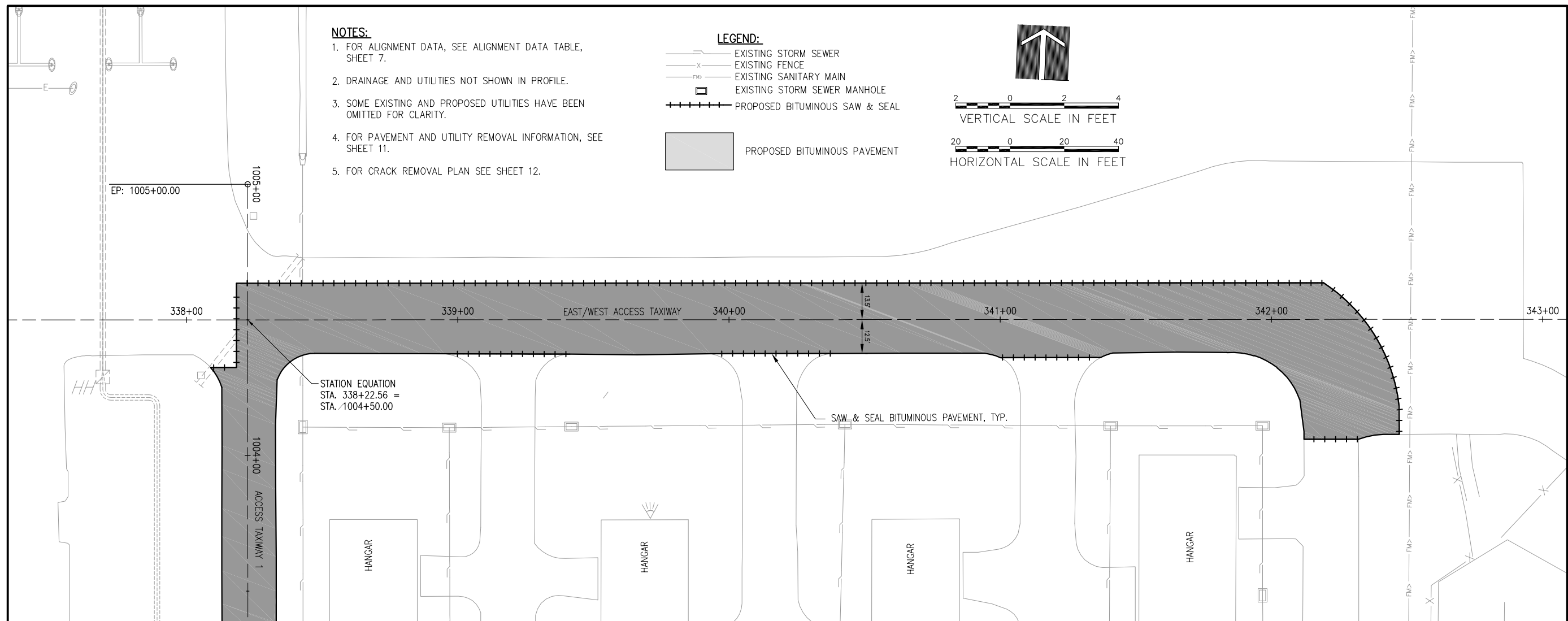
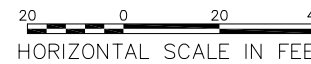
CRACK REPAIR PLAN

NOTES:

1. FOR ALIGNMENT DATA, SEE ALIGNMENT DATA TABLE, SHEET 7.
2. DRAINAGE AND UTILITIES NOT SHOWN IN PROFILE.
3. SOME EXISTING AND PROPOSED UTILITIES HAVE BEEN OMITTED FOR CLARITY.
4. FOR PAVEMENT AND UTILITY REMOVAL INFORMATION, SEE SHEET 11.
5. FOR CRACK REMOVAL PLAN SEE SHEET 12.

LEGEND:

- - - - - EXISTING STORM SEWER
- x - - - EXISTING FENCE
- - - - - EXISTING SANITARY MAIN
- EXISTING STORM SEWER MANHOLE
- + - + - + - PROPOSED BITUMINOUS SAW & SEAL
- PROPOSED BITUMINOUS PAVEMENT



REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

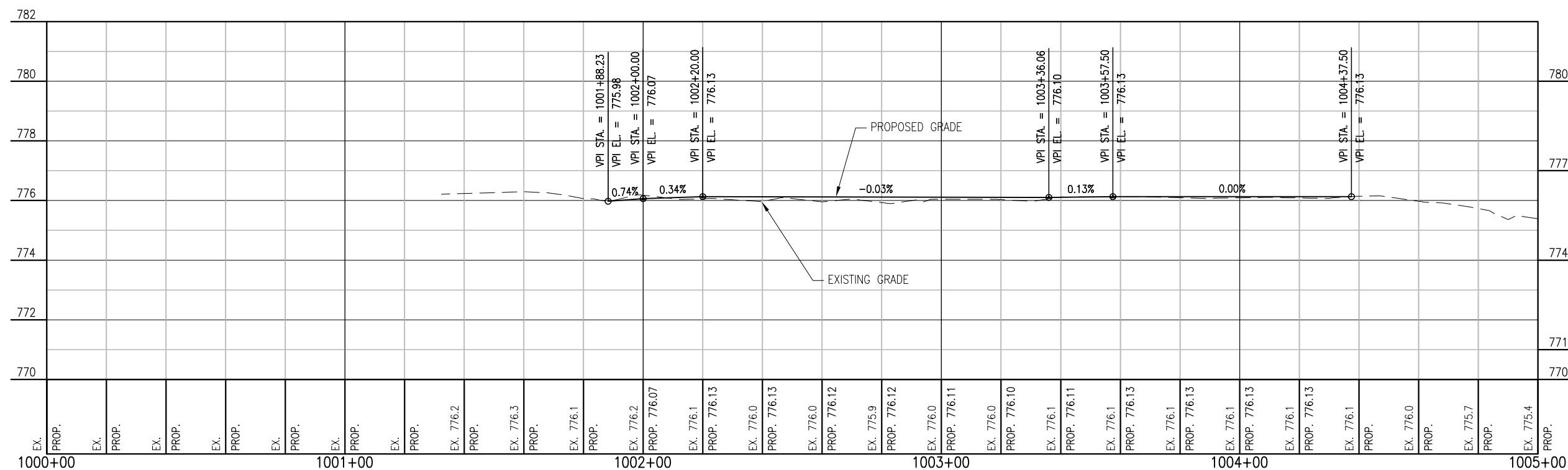
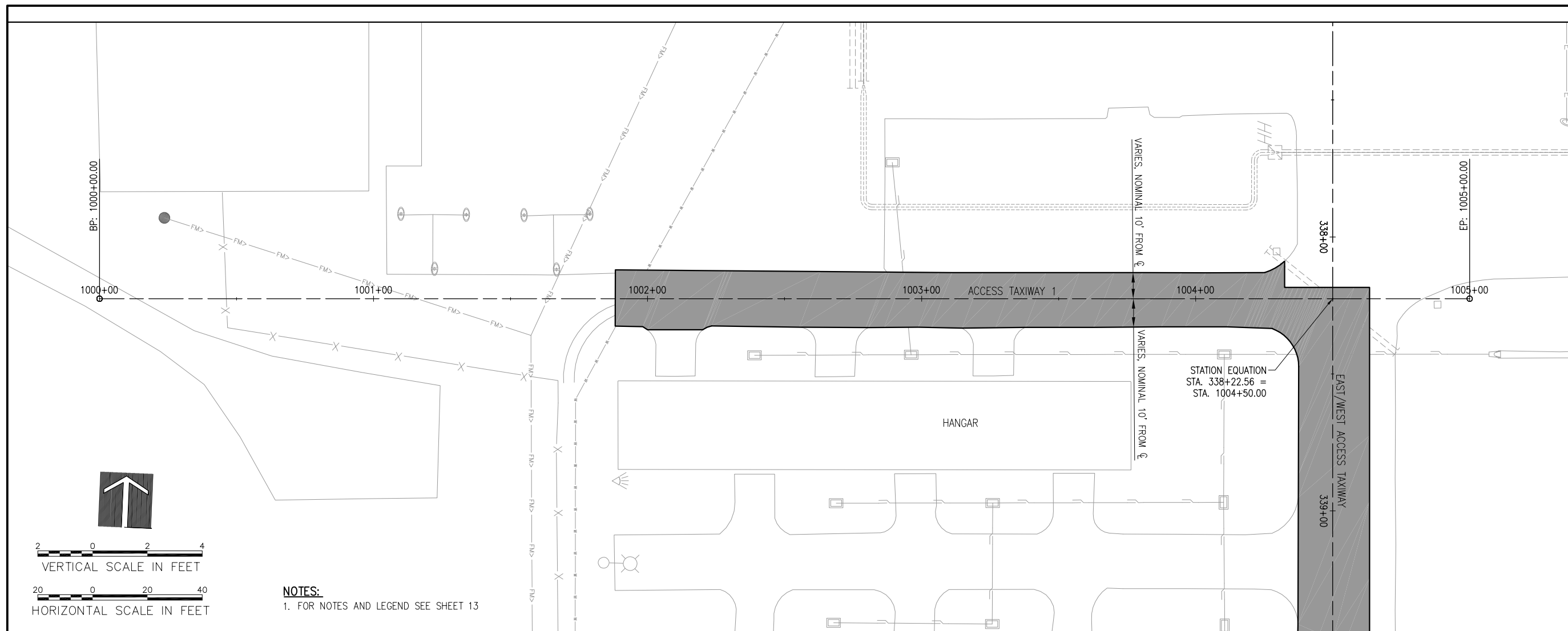
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SBG No: 3-17-SBG-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
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REVIEWED BY: LDH 10/16/18

SHEET TITLE

PLAN AND PROFILE - EW ACCESS TAXIWAY



REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: VFG - ACCESS TAXIWAY 1 - (2)
DESIGN BY: KMS 10/16/2018
DRAWN BY: KMS 10/16/2018
REVIEWED BY: LDH 10/16/18

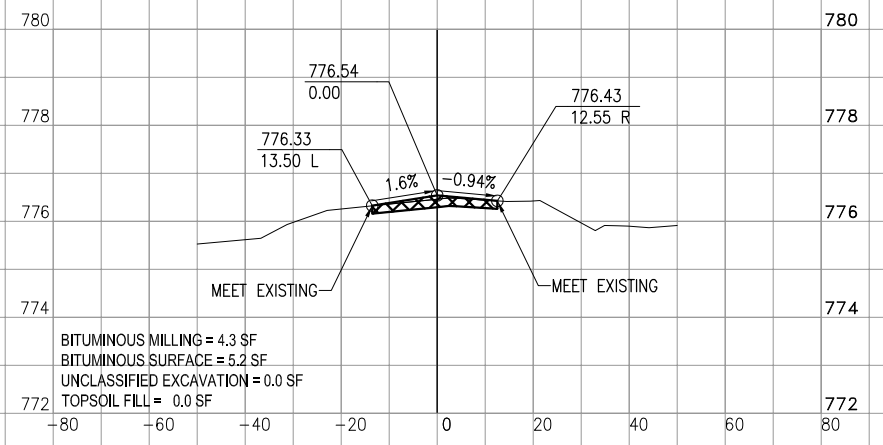
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PLAN AND PROFILE - ACCESS TAXIWAY 1

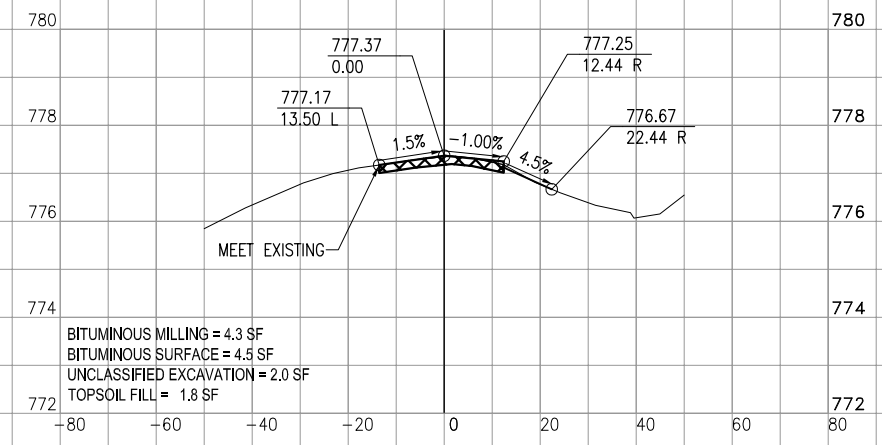
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BITUMINOUS MILLING	105
CUT	123
TOPSOIL FILL	23

* Haul and disposal costs are incidental to Unclassified Excavation.

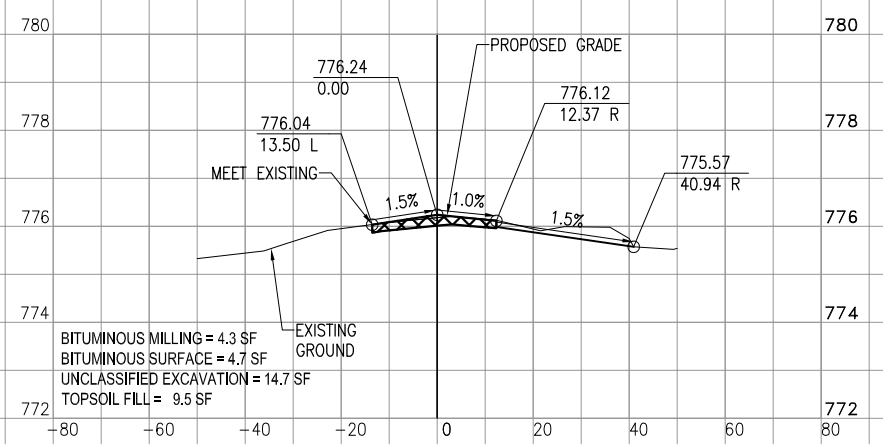
STA. 339+00



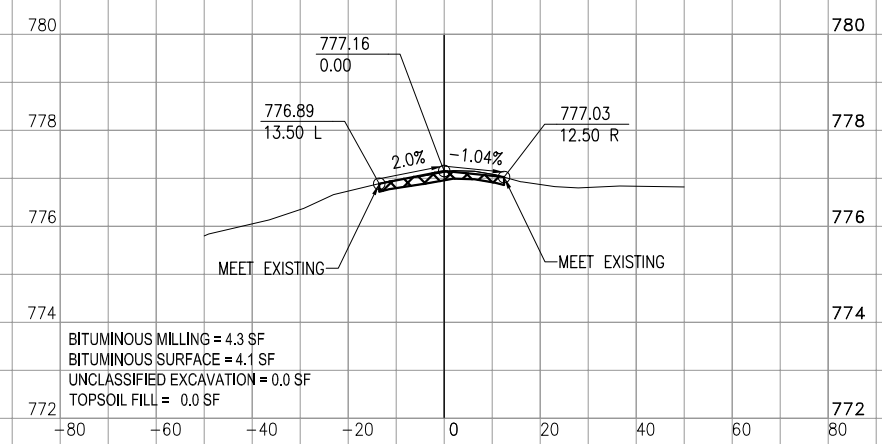
STA. 340+50



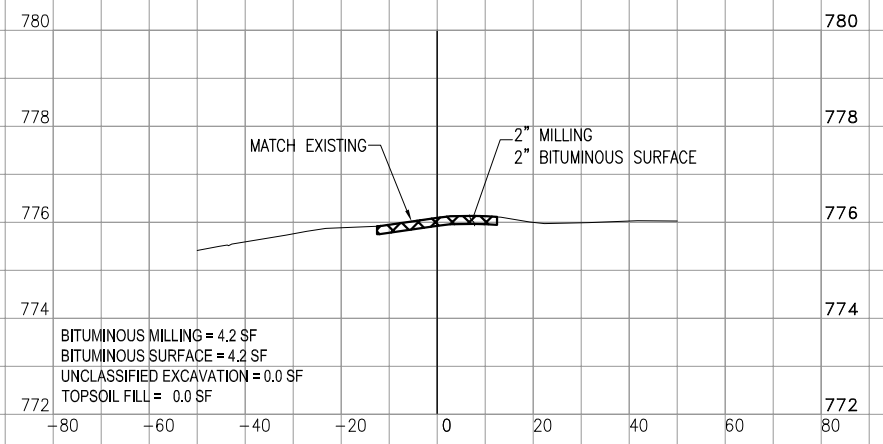
STA. 338+50



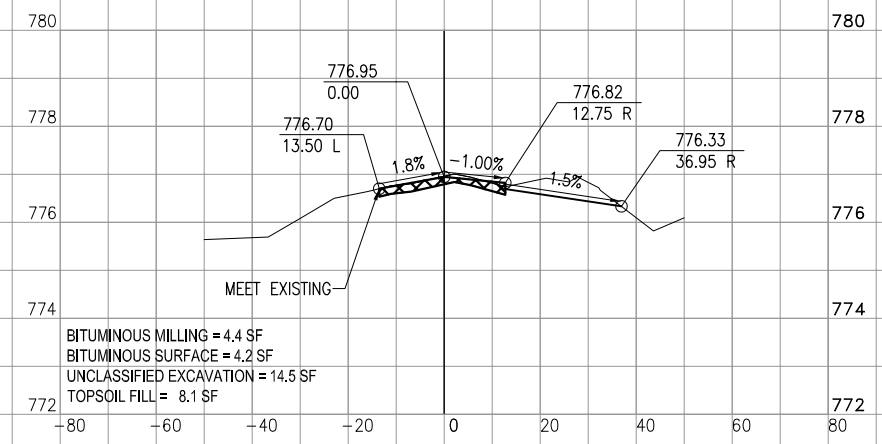
STA. 340+00



STA. 338+18



STA. 339+50



REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: CROSS SECTIONS.DWG
DESIGN BY: LDH 1/3/18
DRAWN BY: LDH 1/3/18
REVIEWED BY: LDH 10/16/18

SHEET TITLE

CROSS SECTIONS -
EW ACCESS TAXIWAY

REHABILITATE ACCESS
TAXIWAYS: TH/1 & TH 1/1

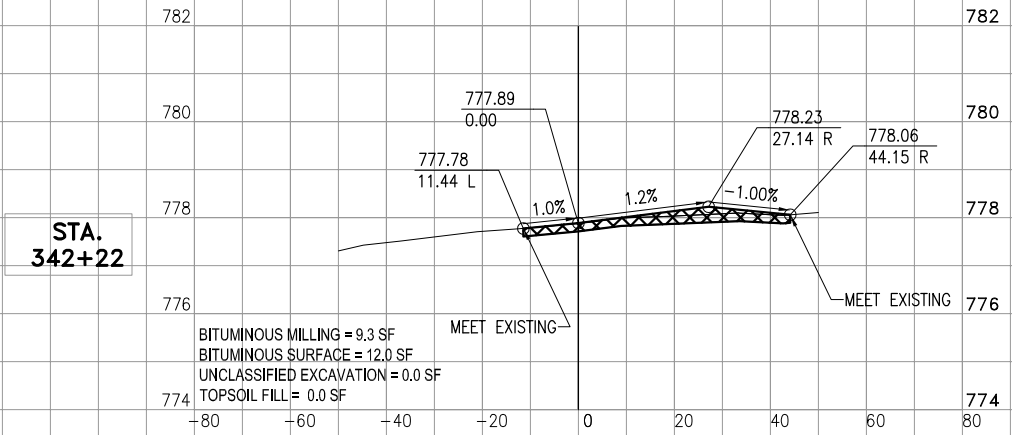
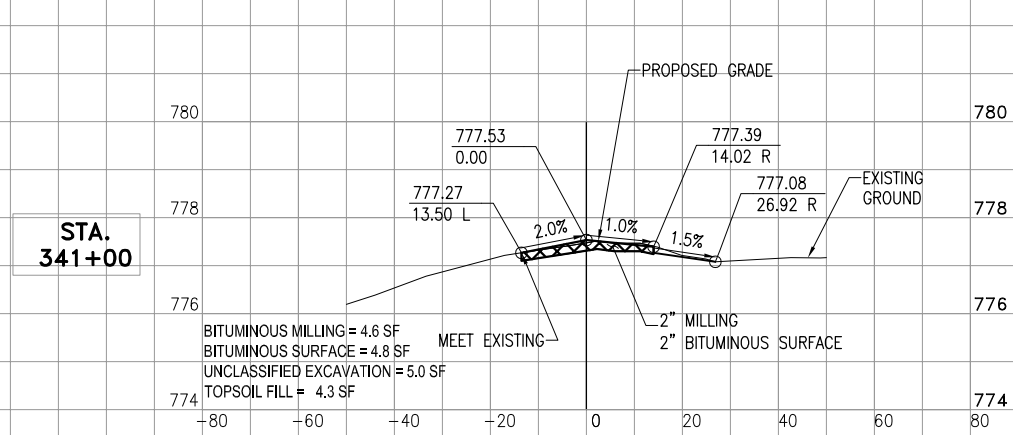
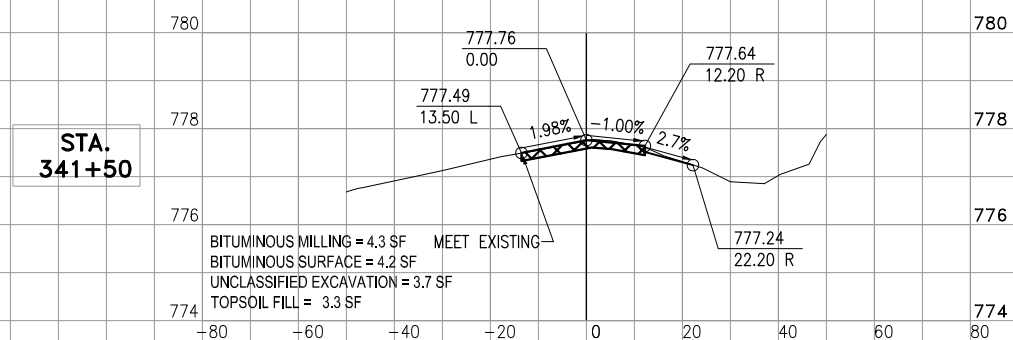
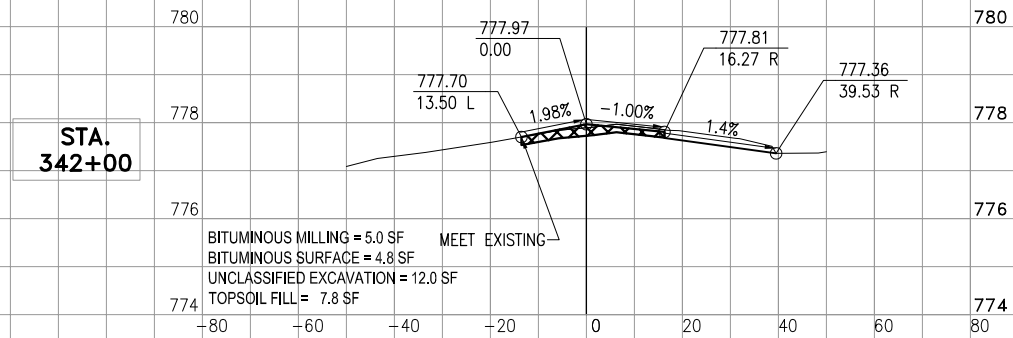
IDA No: RPJ-4617
SBG No: 3-17-SBG-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: CROSS SECTIONS 2.DWG
DESIGN BY: LDH 1/3/18
DRAWN BY: LDH 1/3/18
REVIEWED BY: LDH 10/16/18

SHEET TITLE

CROSS SECTIONS -
EW ACCESS
TAXIWAY



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REHABILITATE ACCESS
TAXIWAYS: TH/1 & TH 1/1

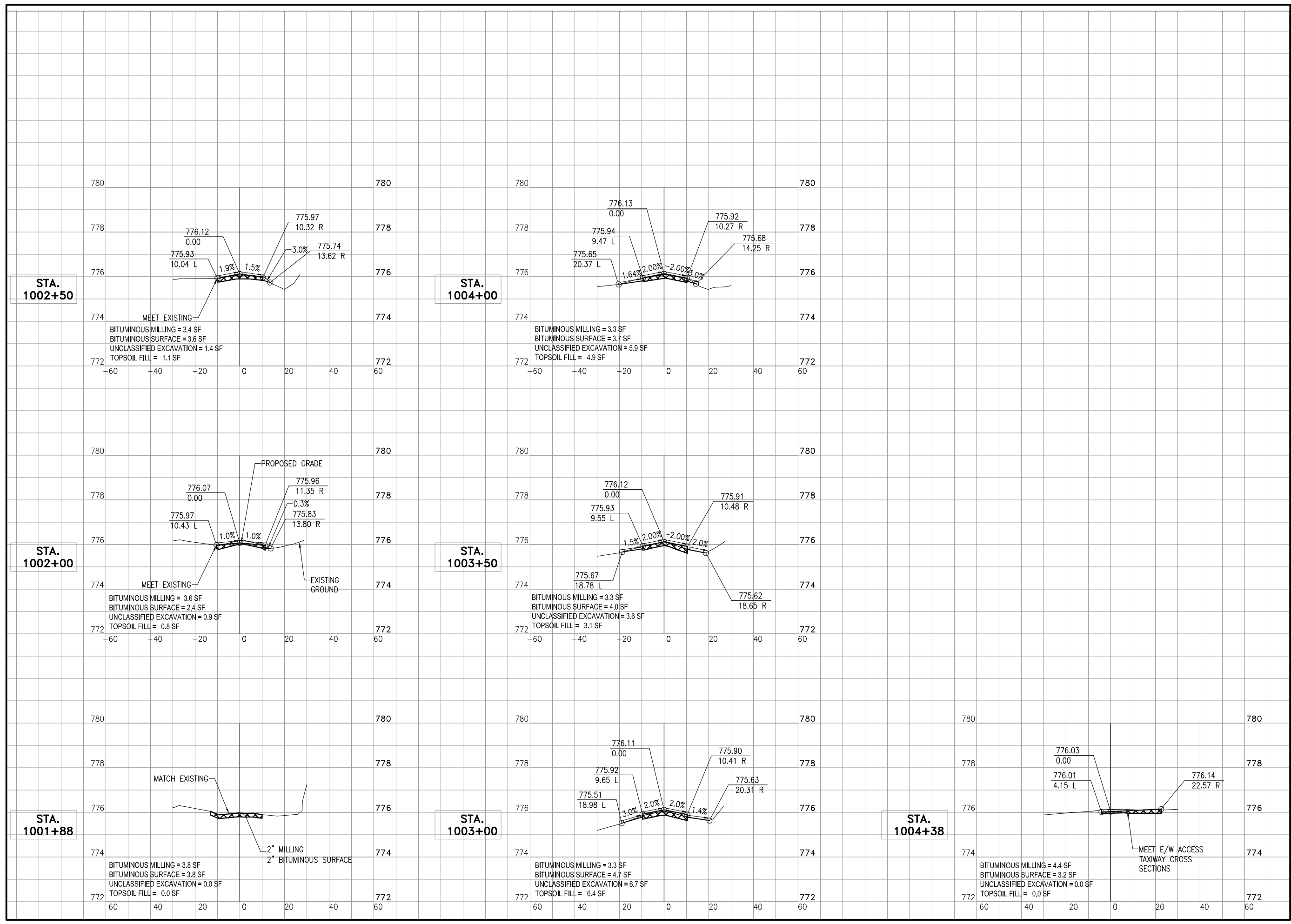
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SBG No: 3-17-SBG-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: CROSS SECTIONS 3.DWG
DESIGN BY: LDH 1/3/18
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SHEET TITLE

CROSS SECTIONS -
ACCESS TAXIWAY 1



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REHABILITATE ACCESS
TAXIWAYS: TH/1 & TH 1/1

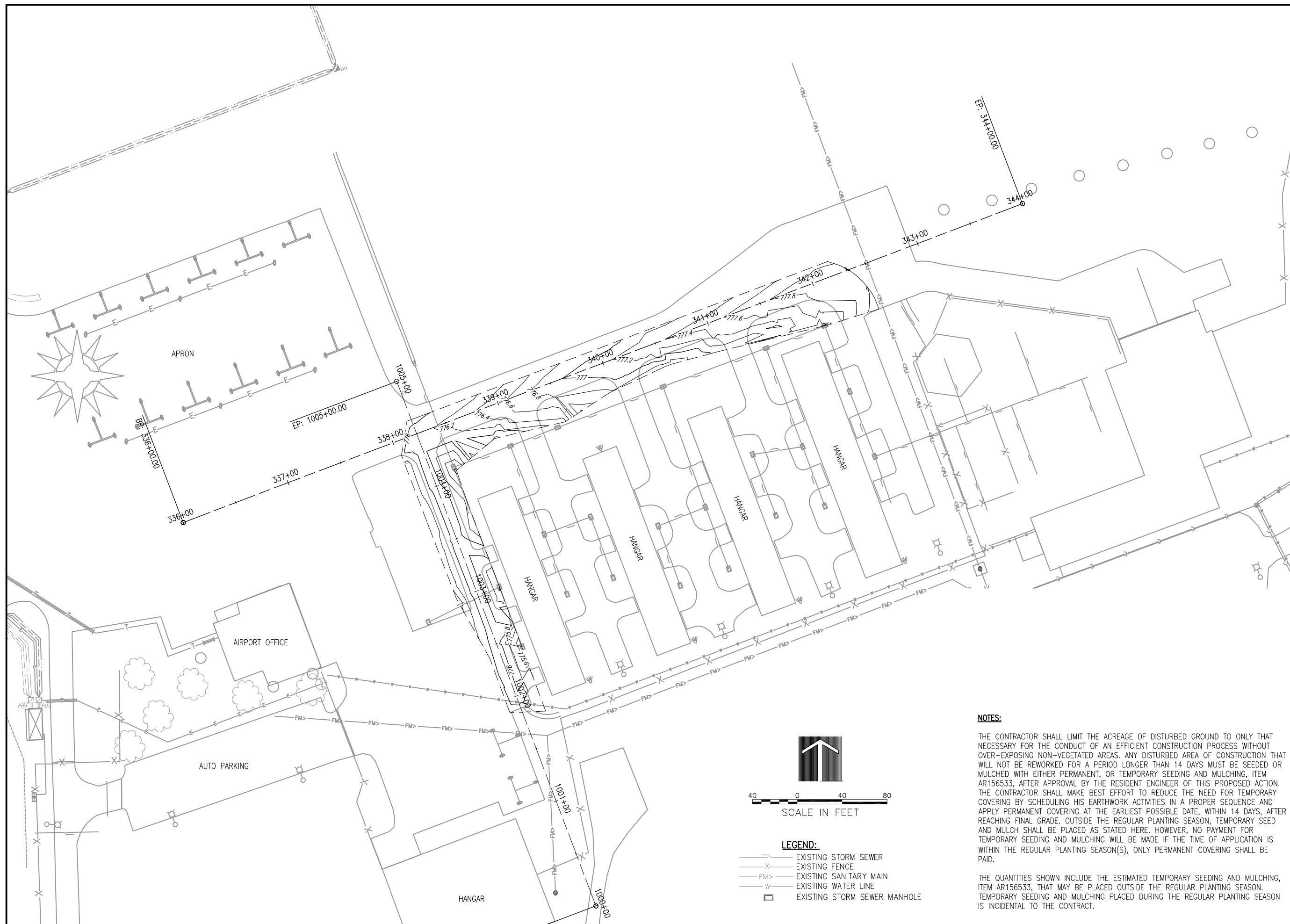
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SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 19-GRADING.DWG
DESIGN BY: KMS 10/16/2018
DRAWN BY: KMS 10/16/2018
REVIEWED BY: LDH 10/16/18

SHEET TITLE

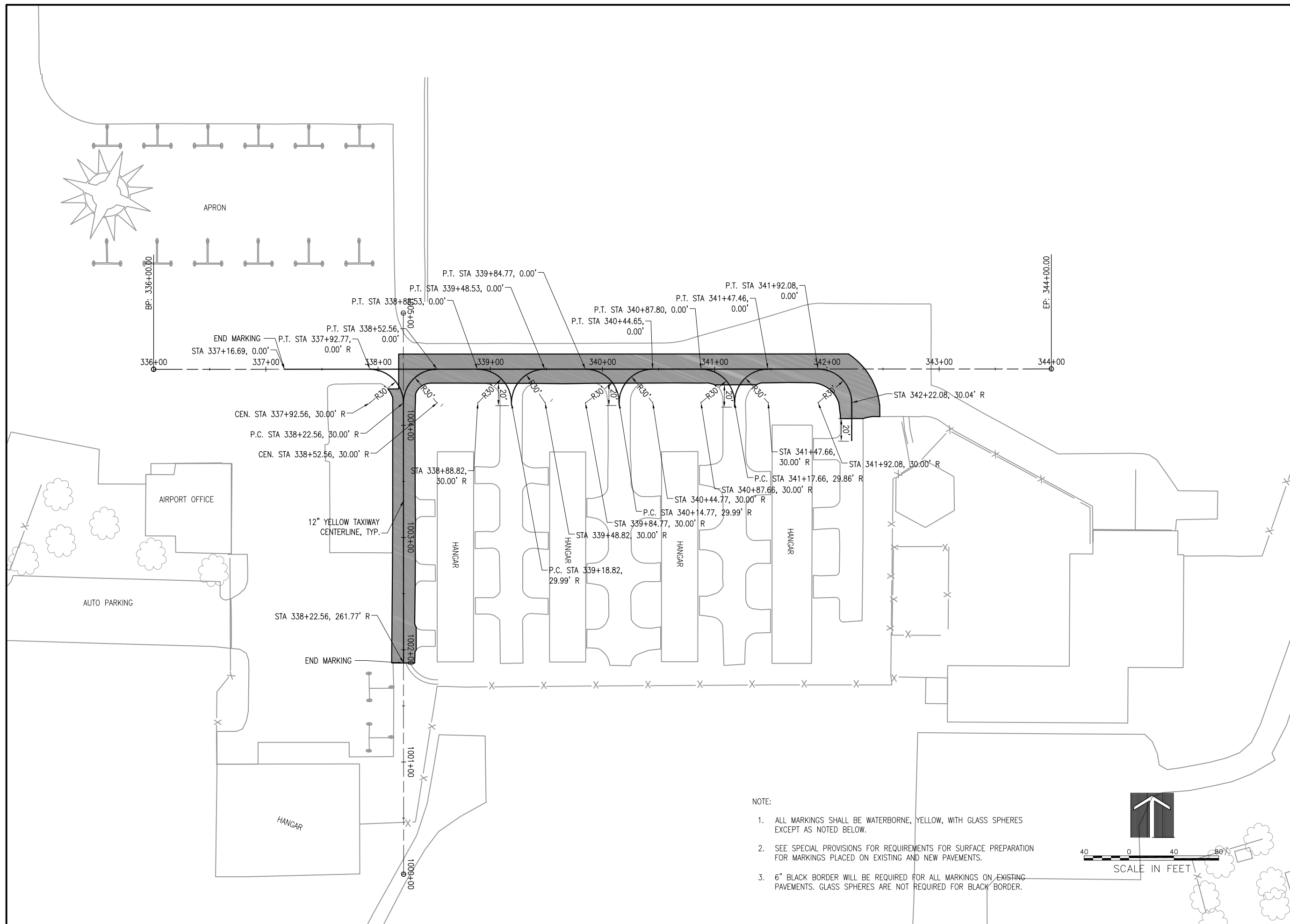
GRADING PLAN



NOTES:

THE CONTRACTOR SHALL LIMIT THE ACREAGE OF DISTURBED GROUND TO ONLY THAT NECESSARY FOR THE CONDUCT OF AN EFFICIENT CONSTRUCTION PROCESS WITHOUT OVER-EXPOSING NON-VEGETATED AREAS. ANY DISTURBED AREA OF CONSTRUCTION THAT WILL NOT BE REWORKED FOR A PERIOD LONGER THAN 14 DAYS MUST BE SEEDED OR MULCHED WITH EITHER PERMANENT, OR TEMPORARY SEEDING AND MULCHING, ITEM AR156533, AFTER APPROVAL BY THE RESIDENT ENGINEER OF THIS PROPOSED ACTION. THE CONTRACTOR SHALL MAKE BEST EFFORT TO REDUCE THE NEED FOR TEMPORARY COVERING BY SCHEDULING HIS EARTHWORK ACTIVITIES IN A PROPER SEQUENCE AND APPLY PERMANENT COVERING AT THE EARLIEST POSSIBLE DATE, WITHIN 14 DAYS, AFTER REACHING FINAL GRADE. OUTSIDE THE REGULAR PLANTING SEASON, TEMPORARY SEED AND MULCH SHALL BE PLACED AS STATED HERE. HOWEVER, NO PAYMENT FOR TEMPORARY SEEDING AND MULCHING WILL BE MADE IF THE TIME OF APPLICATION IS WITHIN THE REGULAR PLANTING SEASON(S), ONLY PERMANENT COVERING SHALL BE PAID.

THE QUANTITIES SHOWN INCLUDE THE ESTIMATED TEMPORARY SEEDING AND MULCHING, ITEM AR156533, THAT MAY BE PLACED OUTSIDE THE REGULAR PLANTING SEASON. TEMPORARY SEEDING AND MULCHING PLACED DURING THE REGULAR PLANTING SEASON IS INCIDENTAL TO THE CONTRACT.



- NOTE:
1. ALL MARKINGS SHALL BE WATERBORNE, YELLOW, WITH GLASS SPHERES EXCEPT AS NOTED BELOW.
 2. SEE SPECIAL PROVISIONS FOR REQUIREMENTS FOR SURFACE PREPARATION FOR MARKINGS PLACED ON EXISTING AND NEW PAVEMENTS.
 3. 6" BLACK BORDER WILL BE REQUIRED FOR ALL MARKINGS ON EXISTING PAVEMENTS. GLASS SPHERES ARE NOT REQUIRED FOR BLACK BORDER.

REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

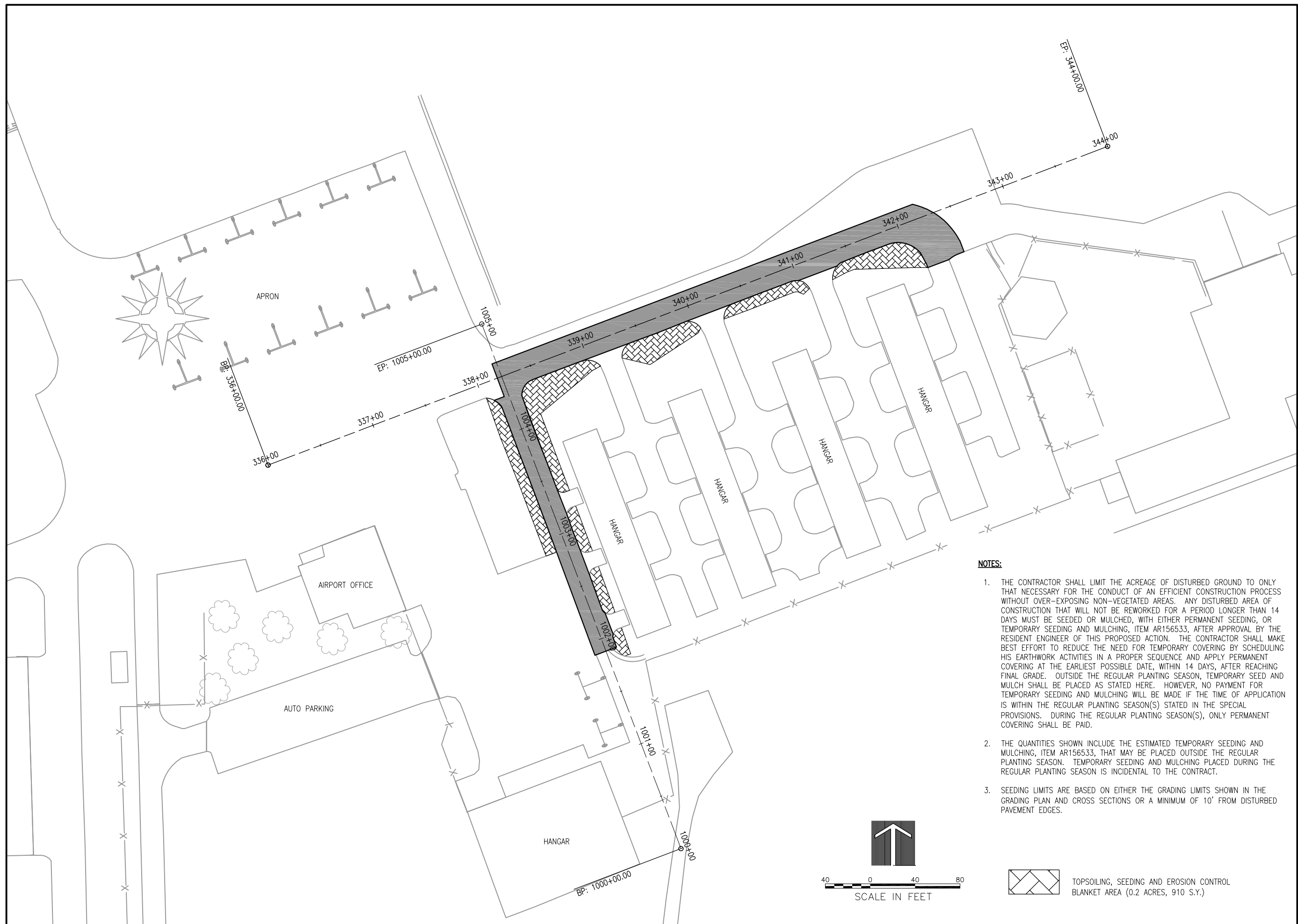
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ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 18-MARKING.DWG
DESIGN BY: LDH 6/8/2018
DRAWN BY: LDH 6/8/2018
REVIEWED BY: LDH 10/16/2018

SHEET TITLE

MARKING PLAN

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NOTES:

1. THE CONTRACTOR SHALL LIMIT THE ACREAGE OF DISTURBED GROUND TO ONLY THAT NECESSARY FOR THE CONDUCT OF AN EFFICIENT CONSTRUCTION PROCESS WITHOUT OVER-EXPOSING NON-VEGETATED AREAS. ANY DISTURBED AREA OF CONSTRUCTION THAT WILL NOT BE REWORKED FOR A PERIOD LONGER THAN 14 DAYS MUST BE SEEDED OR MULCHED, WITH EITHER PERMANENT SEEDING, OR TEMPORARY SEEDING AND MULCHING, ITEM AR156533, AFTER APPROVAL BY THE RESIDENT ENGINEER OF THIS PROPOSED ACTION. THE CONTRACTOR SHALL MAKE BEST EFFORT TO REDUCE THE NEED FOR TEMPORARY COVERING BY SCHEDULING HIS EARTHWORK ACTIVITIES IN A PROPER SEQUENCE AND APPLY PERMANENT COVERING AT THE EARLIEST POSSIBLE DATE, WITHIN 14 DAYS, AFTER REACHING FINAL GRADE. OUTSIDE THE REGULAR PLANTING SEASON, TEMPORARY SEED AND MULCH SHALL BE PLACED AS STATED HERE. HOWEVER, NO PAYMENT FOR TEMPORARY SEEDING AND MULCHING WILL BE MADE IF THE TIME OF APPLICATION IS WITHIN THE REGULAR PLANTING SEASON(S) STATED IN THE SPECIAL PROVISIONS. DURING THE REGULAR PLANTING SEASON(S), ONLY PERMANENT COVERING SHALL BE PAID.
2. THE QUANTITIES SHOWN INCLUDE THE ESTIMATED TEMPORARY SEEDING AND MULCHING, ITEM AR156533, THAT MAY BE PLACED OUTSIDE THE REGULAR PLANTING SEASON. TEMPORARY SEEDING AND MULCHING PLACED DURING THE REGULAR PLANTING SEASON IS INCIDENTAL TO THE CONTRACT.
3. SEEDING LIMITS ARE BASED ON EITHER THE GRADING LIMITS SHOWN IN THE GRADING PLAN AND CROSS SECTIONS OR A MINIMUM OF 10' FROM DISTURBED PAVEMENT EDGES.

REHABILITATE ACCESS TAXIWAYS: TH/1 & TH 1/1

IDA No: RPJ-4617
SBG No: 3-17-SBGP-133/139
Contract No: RC008

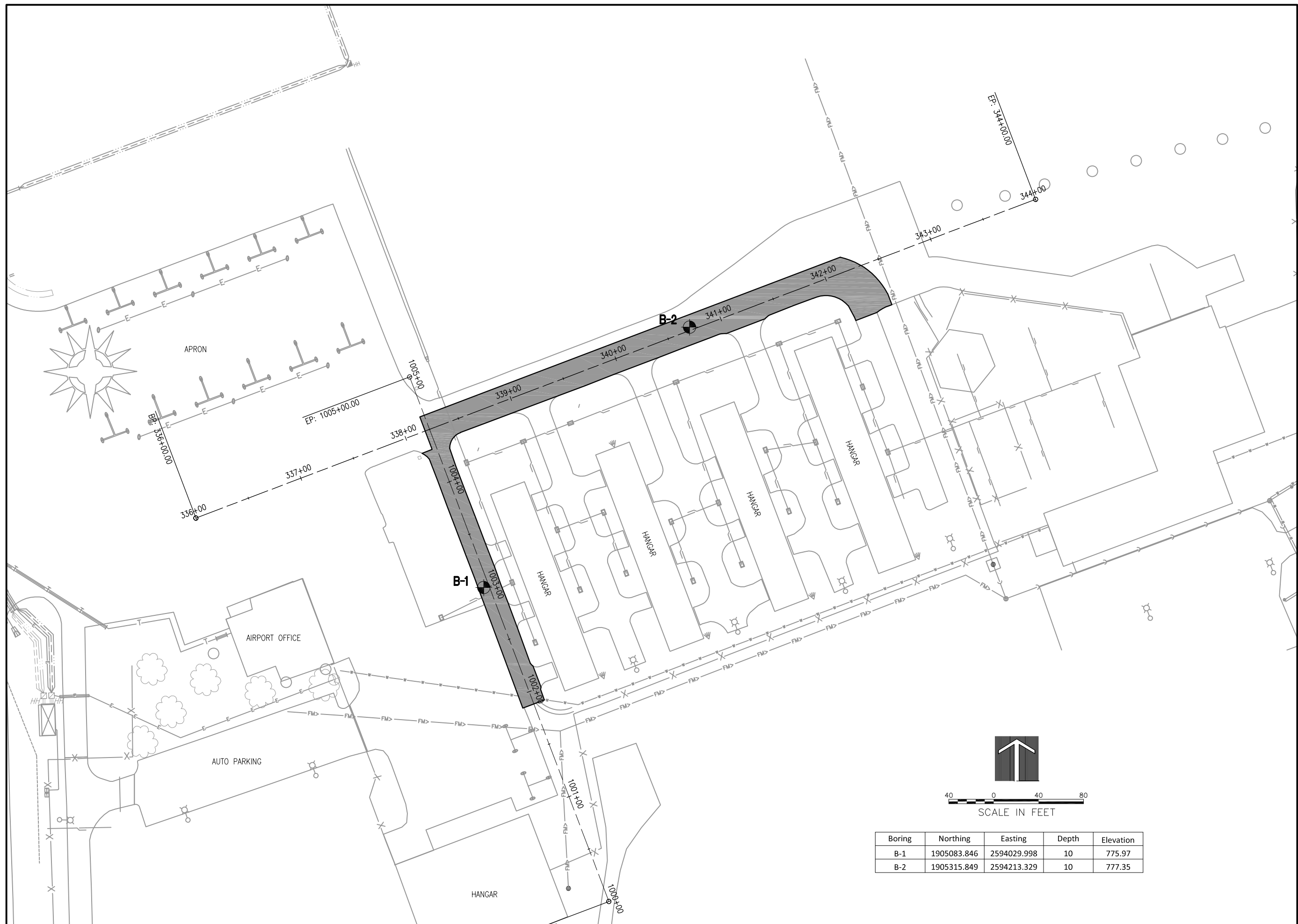
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ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 19-LANDSCAPING.DWG
DESIGN BY: KMS 10/16/2018
DRAWN BY: KMS 10/16/2018
REVIEWED BY: LDH 10/16/18

SHEET TITLE

LANDSCAPING PLAN

NOV 12, 2018 12:25 PM HAUSM00682
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REHABILITATE ACCESS
TAXIWAYS: TH/1 & TH 1/1

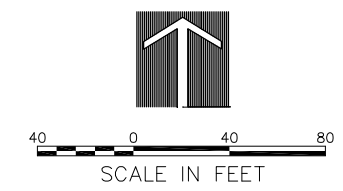
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SBG No: 3-17-SBGP-133/139
Contract No: RC008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: November 16, 2018
PROJECT NO: 17A0056
CAD FILE: 20-BORING MAP.DWG
DESIGN BY: LDH 1/3/18
DRAWN BY: LDH 1/3/18
REVIEWED BY: LDH 10/16/18

SHEET TITLE

BORING MAP



Boring	Northing	Easting	Depth	Elevation
B-1	1905083.846	2594029.998	10	775.97
B-2	1905315.849	2594213.329	10	777.35

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