

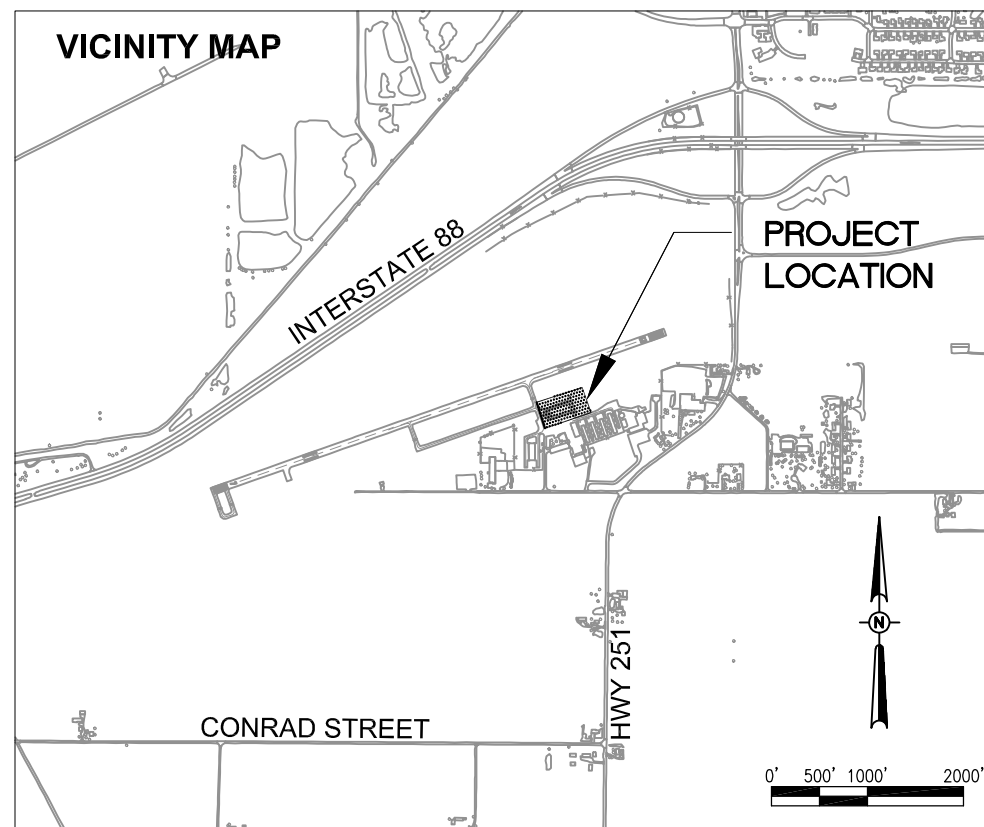
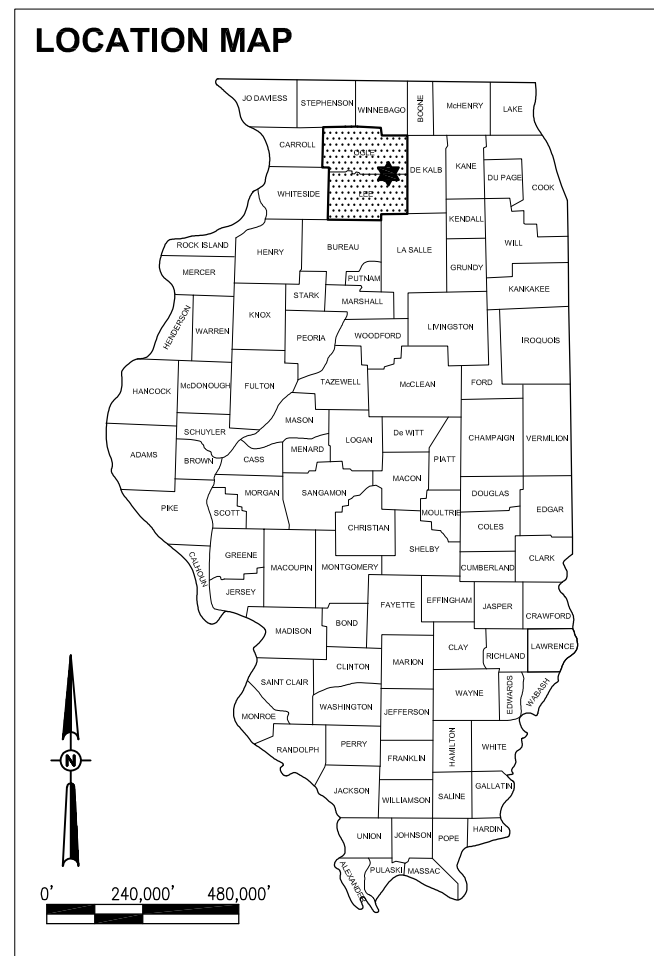
CONSTRUCTION PLANS

**RECONSTRUCT THE EXISTING RAMP
AREA DESIGNATED R/2**

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

**IDA PROJECT NO. RPJ-4515
SBGP PROJECT NO. 3-17-SBGP-111,120,133**

ISSUED APRIL 20, 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, P.E.,
Project Engineer

Date of Plans

APRIL 20, 2018

Date

HANSON PROFESSIONAL SERVICES INC.
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Ronald M. Hudson, AICP
Project Manager

APRIL 20, 2018

Date

1201 W Gurler Road
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Telephone: 815.562.8619

Michael Hudetz
Airport Manager

APRIL 20, 2018

Date



ROCHELLE MUNICIPAL AIRPORT
MAJOR THOMAS F. KORITZ FIELD
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Rochelle, Illinois 61068
Telephone: 815.562.8619

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SUMMARY OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	LUMP SUM	1.00
AR150520	MOBILIZATION	LUMP SUM	1.00
AR150530	TRAFFIC MAINTENANCE	LUMP SUM	1.00
AR152410	UNCLASSIFIED EXCAVATION	CUBIC YARD	1,504.00
AR152540	SOIL STABILIZATION FABRIC	SQUARE YARD	2,971.00
AR154606	GRANULAR DRAINAGE SUBBASE - 6"	SQUARE YARD	4,122.00
AR156510	SILT FENCE	LINEAR FOOT	595.00
AR156513	SEPARATION FABRIC	SQUARE YARD	1,229.00
AR156531	EROSION CONTROL BLANKET	SQUARE YARD	1,551.00
AR156533	TEMPORARY SEED AND MULCH	ACRE	0.21
AR208515	POROUS GRANULAR EMBANKMENT	CUBIC YARD	417.00
AR209608	CRUSHED AGG. BASE COURSE - 8"	SQUARE YARD	112.00
AR401613	BIT. SURF. CSE. - METHOD I, SUPERPAVE	TON	25.00
AR401650	BITUMINOUS PAVEMENT MILLING	SQUARE YARD	161.00
AR401660	SAW & SEAL BIT. JOINTS	LINEAR FOOT	595.00
AR401665	BITUMINOUS PAVEMENT SAWING	LINEAR FOOT	1,189.00
AR401900	REMOVE BITUMINOUS PAVEMENT	SQUARE YARD	4,284.00
AR401910	REMOVE & REPLACE BIT. PAVEMENT	SQUARE YARD	19.00
AR403613	BIT. BASE CSE. -METHOD I, SUPERPAVE	TON	11.00
AR501506	6" PCC PAVEMENT	SQUARE YARD	4,011.00
AR501530	PCC TEST BATCH	EACH	1.00
AR510510	TIE DOWN	EACH	24.00
AR510515	GROUND ROD	EACH	4.00
AR510900	REMOVE TIE DOWN	EACH	24.00
AR510905	REMOVE GROUND ROD	EACH	4.00
AR602510	BITUMINOUS PRIME COAT	GALLON	34.00
AR603510	BITUMINOUS TACK COAT	GALLON	41.00
AR620525	PAVEMENT MARKING-BLACK BORDER	SQUARE FOOT	348.00
AR620530	PAVEMENT MARKING-EPOXY	SQUARE FOOT	332.00
AR705506	6" PERFORATED UNDERDRAIN	LINEAR FOOT	626.00
AR705630	UNDERDRAIN INSPECTION HOLE	EACH	1.00
AR705640	UNDERDRAIN CLEANOUT	EACH	2.00
AR901510	SEEDING	ACRE	0.32
AR905520	TOPSOILING (FROM OFF SITE)	CUBIC YARD	173.00

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

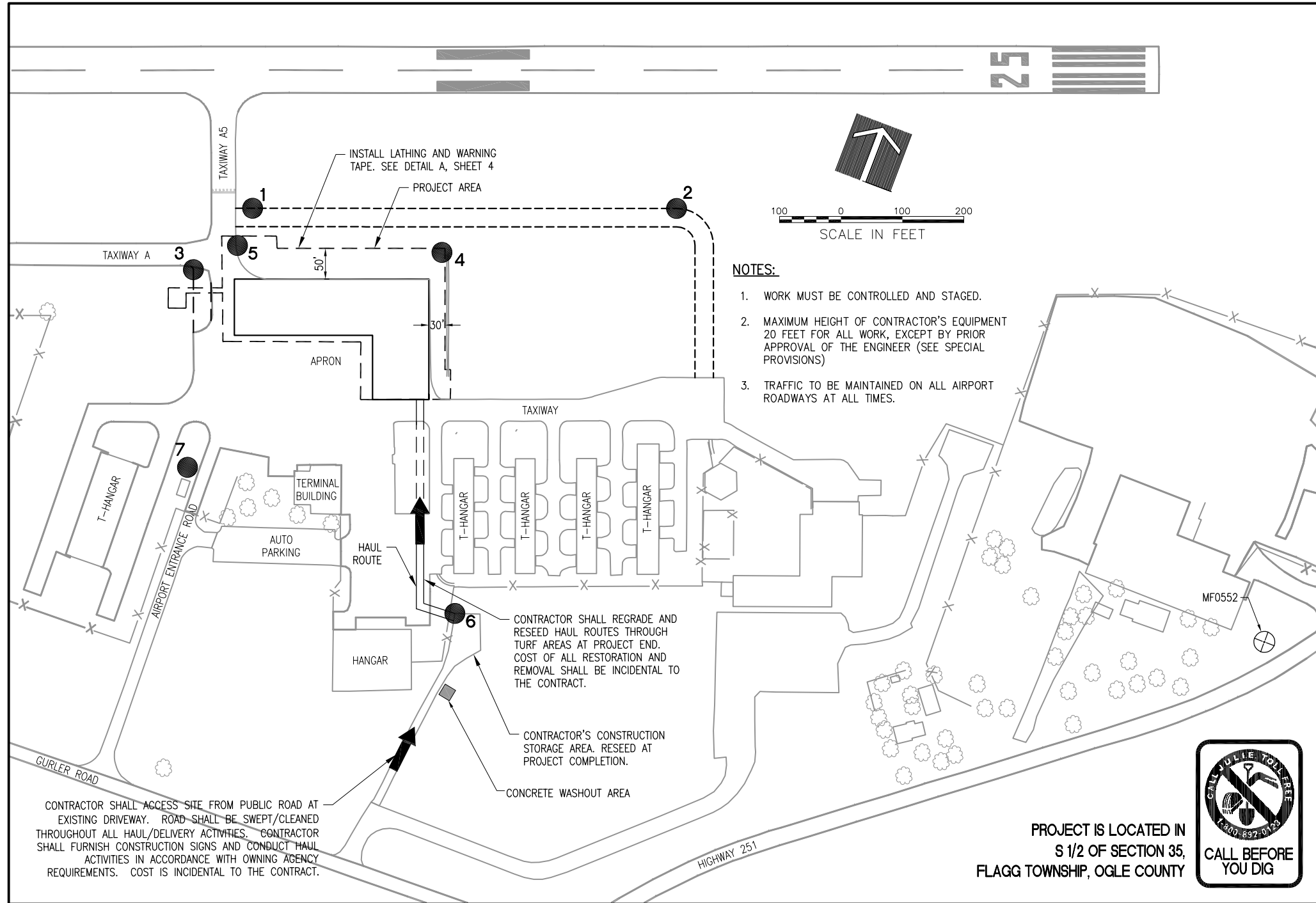
SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
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CAD FILE: 02-SQ.DWG
DESIGN BY: KMS 3/22/2018
DRAWN BY: KMS 3/22/2018
REVIEWED BY: RMH 4/20/2018

SHEET TITLE

SHEET INDEX AND SUMMARY OF QUANTITIES



NOTES:

1. WORK MUST BE CONTROLLED AND STAGED.
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.

CONTRACTOR SHALL REGRADE AND RESEED HAUL ROUTES THROUGH TURF AREAS AT PROJECT END. COST OF ALL RESTORATION AND REMOVAL SHALL BE INCIDENTAL TO THE CONTRACT.

CONTRACTOR'S CONSTRUCTION STORAGE AREA. RESEED AT PROJECT COMPLETION.

CONCRETE WASHOUT AREA

CONTRACTOR SHALL ACCESS SITE FROM PUBLIC ROAD AT EXISTING DRIVEWAY. ROAD SHALL BE SWEEP/CLEANED THROUGHOUT ALL HAUL/DELIVERY ACTIVITIES. CONTRACTOR SHALL FURNISH CONSTRUCTION SIGNS AND CONDUCT HAUL ACTIVITIES IN ACCORDANCE WITH OWNING AGENCY REQUIREMENTS. COST IS INCIDENTAL TO THE CONTRACT.

PROJECT IS LOCATED IN
S 1/2 OF SECTION 35,
FLAGG TOWNSHIP, OGLE COUNTY



PROJECT DESCRIPTION

THIS PROJECT IS TO RECONSTRUCT A PORTION OF THE MAIN APRON AT ROCHELLE MUNICIPAL AIRPORT INCLUDING, AMONG OTHER INCIDENTAL WORK, THE FOLLOWING ITEMS:

- PLACEMENT OF TEMPORARY SOIL EROSION CONTROL MEASURES.
- REMOVAL OF EXISTING PAVEMENTS.
- PROVISION OF REQUIRED UNCLASSIFIED EXCAVATION, INCLUDING UNDERCUT WHERE REQUIRED. DISPOSAL OF EXCESS CUT MATERIAL AT AN OFF-SITE LOCATION.
- INSTALLATION OF POROUS GRANULAR EMBANKMENT, AGGREGATE BASE COURSE AND DRAINAGE LAYER.
- INSTALLATION OF PCC PAVEMENT.
- INSTALLATION OF AGGREGATE BASE COURSE AND BITUMINOUS BASE AND SURFACE COURSE WHERE MEETING EXISTING PAVEMENTS.
- INSTALLATION OF UNDERDRAINS AND ASSOCIATED STRUCTURES.
- PLACEMENT OF PAVEMENT MARKINGS.
- TOPSOILING, SEEDING AND MULCHING IN ALL DISTURBED AREAS, INCLUDING ALONG NEW PAVEMENT EDGES.

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 THE 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 CONTRACT.

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 AT ALL TIMES.

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.

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.

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 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.

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.

AIRPORT SECURITY

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

EXISTING CONTROL POINT:

MF0552: N 1905355.36
E 2595375.73
ELEV. 782.94

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' 37.2215" N	89° 04' 24.2762" 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	777.0
3	TAXIING AIRCRAFT	MOVING	774.4	788.4	41° 53' 33.6332" N	89° 04' 33.5961" W	126+54.59	325.4	776.0
4	CONSTRUCTION EQUIPMENT	MOVING	773.1	793.1	41° 53' 35.2652" N	89° 04' 28.6955" W	138+33.44	296.9	776.5
5	CONSTRUCTION EQUIPMENT	MOVING	775.3	795.3	41° 53' 34.2427" N	89° 04' 32.8812" W	135+00.55	285.6	776.0
6	CONSTRUCTION EQUIPMENT	MOVING	776.0	796.0	41° 53' 29.8796" N	89° 04' 25.7711" W	138+54.39	884.9	776.5
7	ENGINEER'S FIELD OFFICE	STATIONARY	774.0	789.0	41° 53' 30.6137" N	89° 04' 32.2558" W	134+19.08	647.0	776.0

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

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.

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

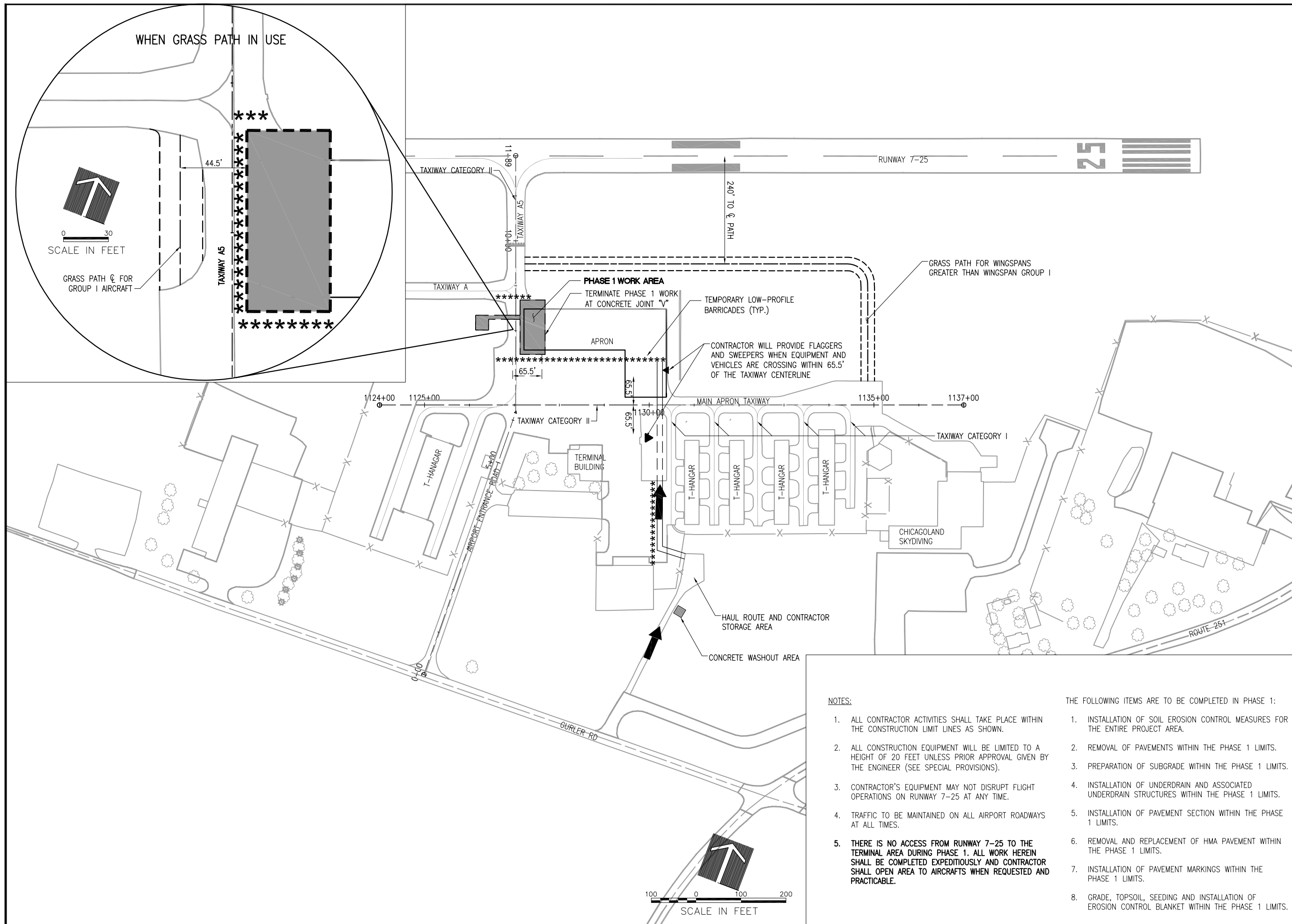
SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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CAD FILE: 03-SITEPLAN.DWG
DESIGN BY: KMS 3/9/2018
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REVIEWED BY: RMH 4/20/2018

SHEET TITLE

SITE AND SAFETY PLAN



RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

SBG No's: 3-17-SBGP-111
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3-17-SBGP-133

NO.	DATE	DESCRIPTION		
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SHEET TITLE

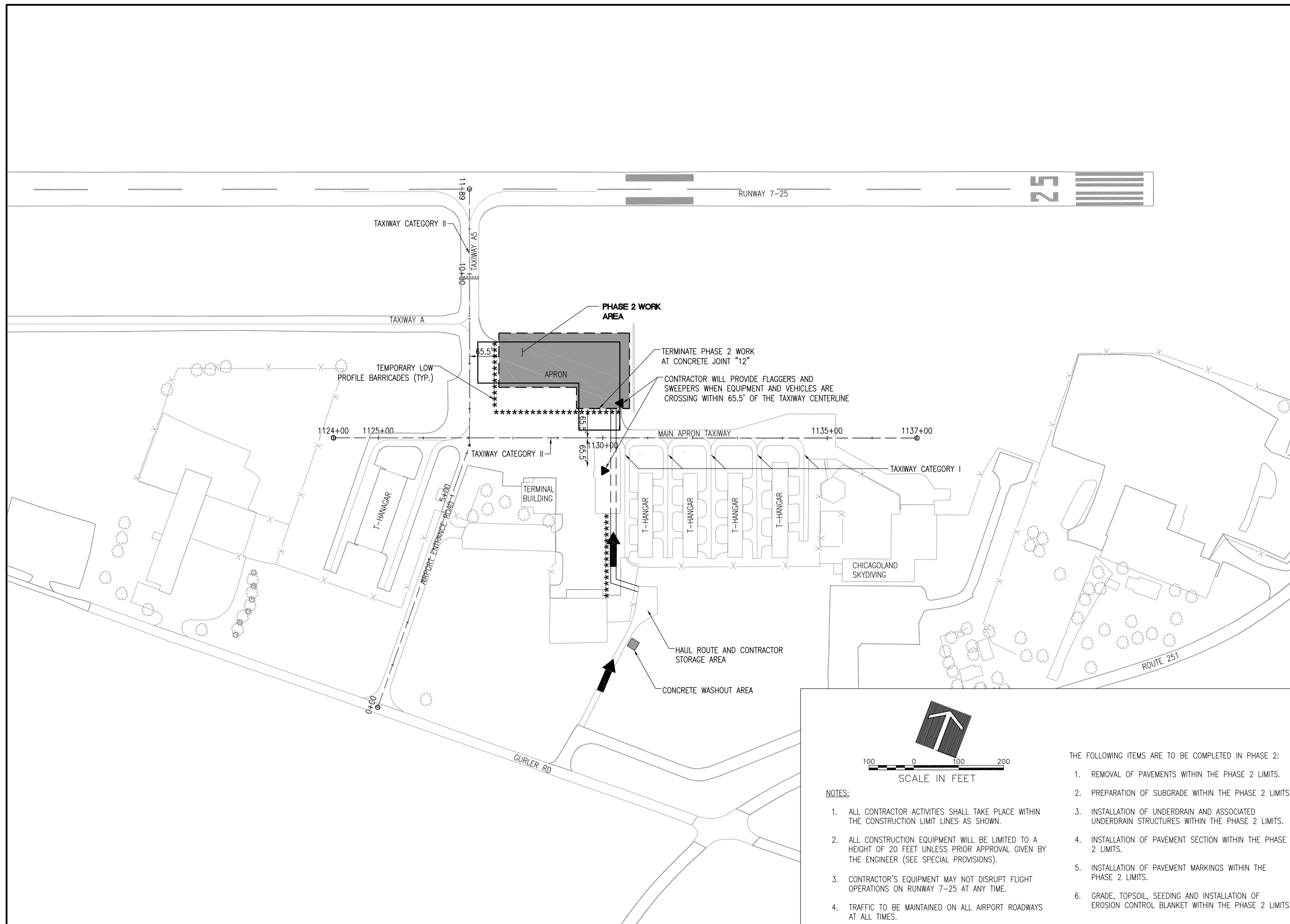
**PHASING PLAN
PHASE 1**

NOTES:

1. ALL CONTRACTOR ACTIVITIES SHALL TAKE PLACE WITHIN THE CONSTRUCTION LIMIT LINES AS SHOWN.
2. ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 20 FEET UNLESS PRIOR APPROVAL GIVEN BY THE ENGINEER (SEE SPECIAL PROVISIONS).
3. CONTRACTOR'S EQUIPMENT MAY NOT DISRUPT FLIGHT OPERATIONS ON RUNWAY 7-25 AT ANY TIME.
4. TRAFFIC TO BE MAINTAINED ON ALL AIRPORT ROADWAYS AT ALL TIMES.
5. THERE IS NO ACCESS FROM RUNWAY 7-25 TO THE TERMINAL AREA DURING PHASE 1. ALL WORK HEREIN SHALL BE COMPLETED EXPEDITIOUSLY AND CONTRACTOR SHALL OPEN AREA TO AIRCRAFTS WHEN REQUESTED AND PRACTICABLE.

THE FOLLOWING ITEMS ARE TO BE COMPLETED IN PHASE 1:

1. INSTALLATION OF SOIL EROSION CONTROL MEASURES FOR THE ENTIRE PROJECT AREA.
2. REMOVAL OF PAVEMENTS WITHIN THE PHASE 1 LIMITS.
3. PREPARATION OF SUBGRADE WITHIN THE PHASE 1 LIMITS.
4. INSTALLATION OF UNDERDRAIN AND ASSOCIATED UNDERDRAIN STRUCTURES WITHIN THE PHASE 1 LIMITS.
5. INSTALLATION OF PAVEMENT SECTION WITHIN THE PHASE 1 LIMITS.
6. REMOVAL AND REPLACEMENT OF HMA PAVEMENT WITHIN THE PHASE 1 LIMITS.
7. INSTALLATION OF PAVEMENT MARKINGS WITHIN THE PHASE 1 LIMITS.
8. GRADE, TOPSOIL, SEEDING AND INSTALLATION OF EROSION CONTROL BLANKET WITHIN THE PHASE 1 LIMITS.



RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515
SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
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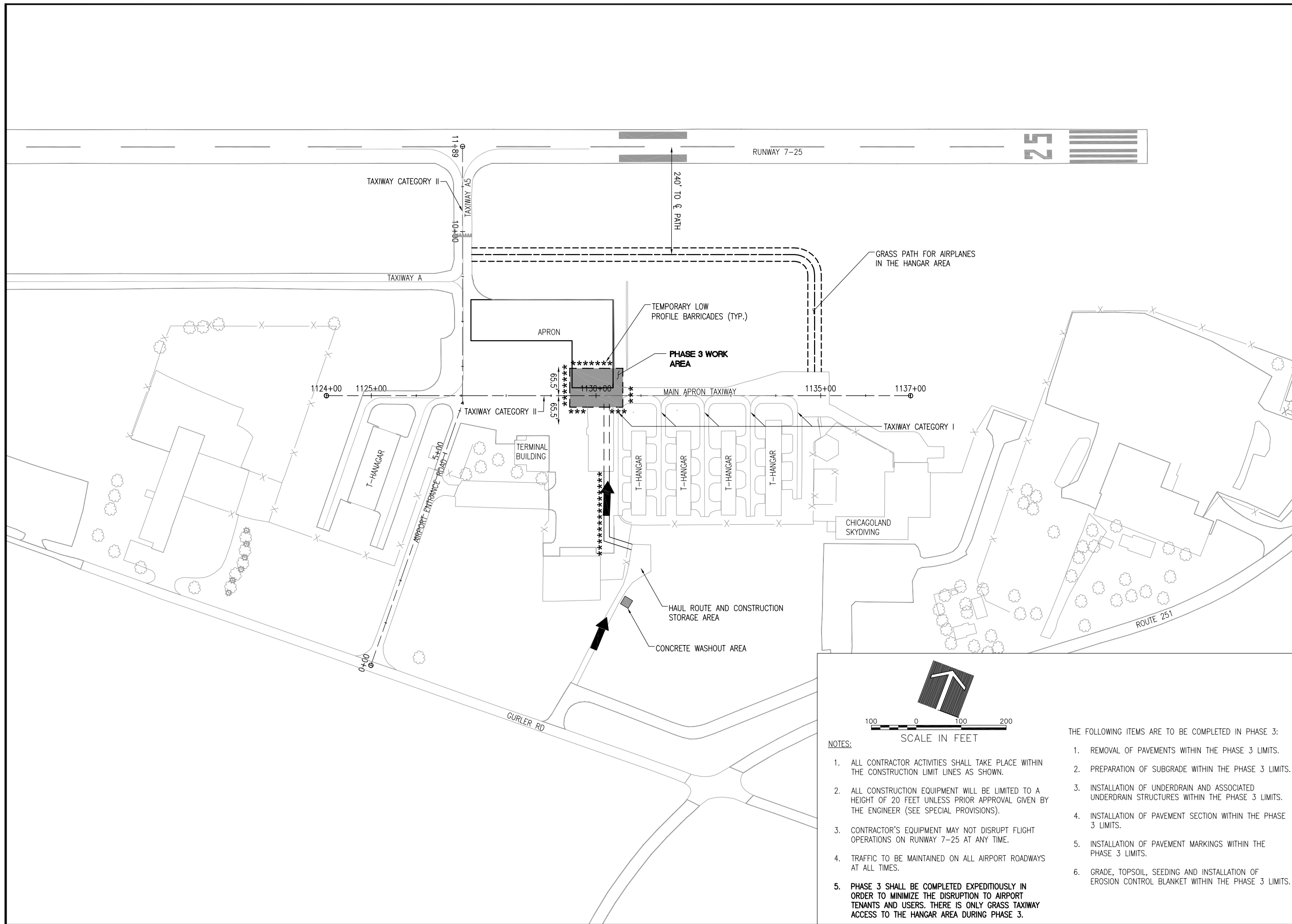
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REVIEWED BY: RMH 4/20/2018

SHEET TITLE

**PHASING PLAN
PHASE 2**

- NOTES:**
1. ALL CONTRACTOR ACTIVITIES SHALL TAKE PLACE WITHIN THE CONSTRUCTION LIMIT LINES AS SHOWN.
 2. ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 20 FEET UNLESS PRIOR APPROVAL GIVEN BY THE ENGINEER (SEE SPECIAL PROVISIONS).
 3. CONTRACTOR'S EQUIPMENT MAY NOT DISRUPT FLIGHT OPERATIONS ON RUNWAY 7-25 AT ANY TIME.
 4. TRAFFIC TO BE MAINTAINED ON ALL AIRPORT ROADWAYS AT ALL TIMES.

- THE FOLLOWING ITEMS ARE TO BE COMPLETED IN PHASE 2:
1. REMOVAL OF PAVEMENTS WITHIN THE PHASE 2 LIMITS.
 2. PREPARATION OF SUBGRADE WITHIN THE PHASE 2 LIMITS.
 3. INSTALLATION OF UNDERDRAIN AND ASSOCIATED UNDERDRAIN STRUCTURES WITHIN THE PHASE 2 LIMITS.
 4. INSTALLATION OF PAVEMENT SECTION WITHIN THE PHASE 2 LIMITS.
 5. INSTALLATION OF PAVEMENT MARKINGS WITHIN THE PHASE 2 LIMITS.
 6. GRADE, TOPSOIL, SEEDING AND INSTALLATION OF EROSION CONTROL BLANKET WITHIN THE PHASE 2 LIMITS.



RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

SBG No's: 3-17-SBGP-111
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SHEET TITLE

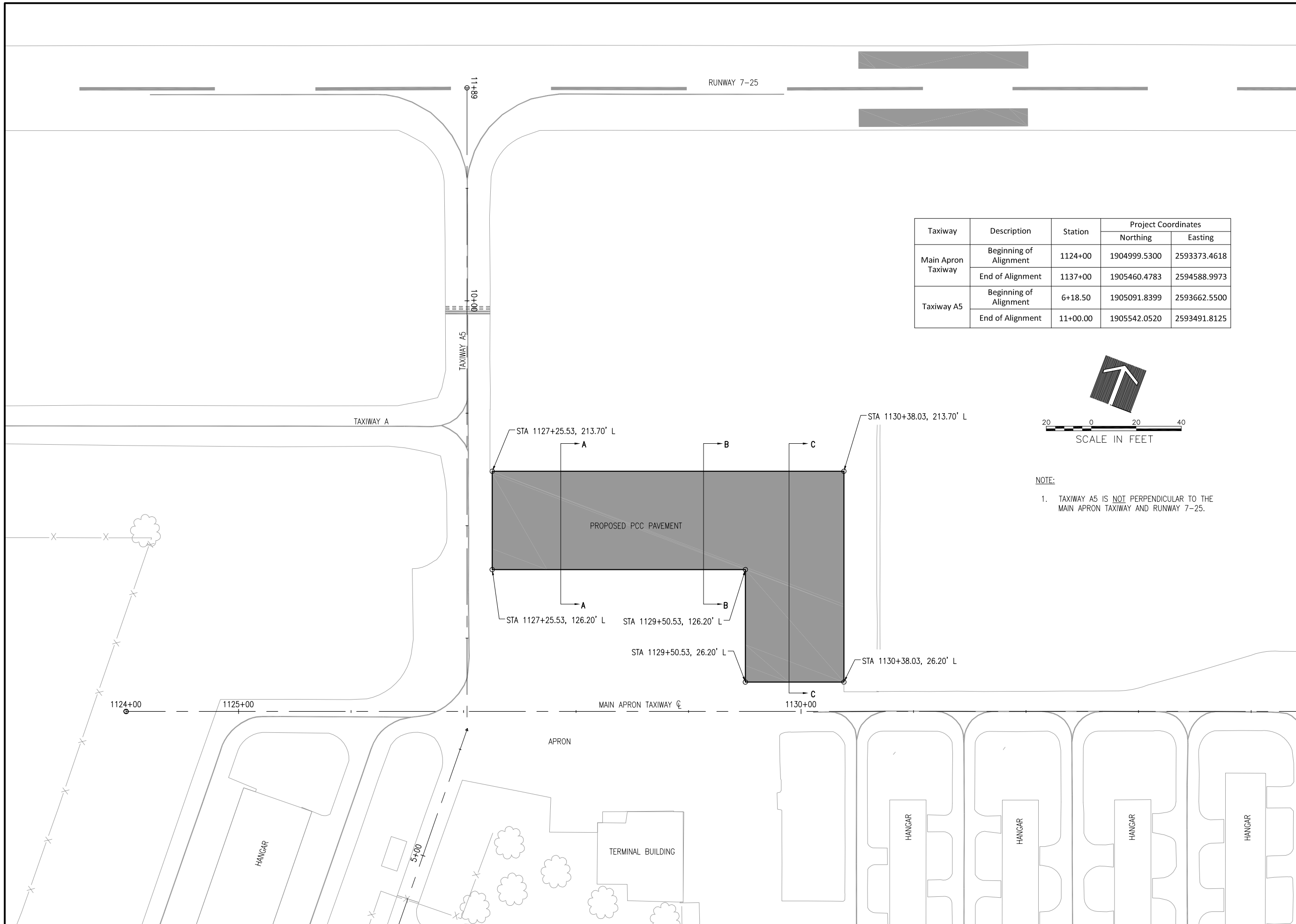
**PHASING PLAN
PHASE 3**

NOTES:

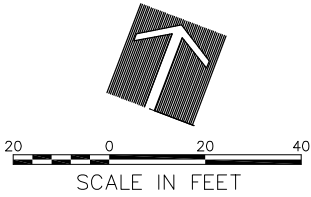
1. ALL CONTRACTOR ACTIVITIES SHALL TAKE PLACE WITHIN THE CONSTRUCTION LIMIT LINES AS SHOWN.
2. ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 20 FEET UNLESS PRIOR APPROVAL GIVEN BY THE ENGINEER (SEE SPECIAL PROVISIONS).
3. CONTRACTOR'S EQUIPMENT MAY NOT DISRUPT FLIGHT OPERATIONS ON RUNWAY 7-25 AT ANY TIME.
4. TRAFFIC TO BE MAINTAINED ON ALL AIRPORT ROADWAYS AT ALL TIMES.
5. PHASE 3 SHALL BE COMPLETED EXPEDITIOUSLY IN ORDER TO MINIMIZE THE DISRUPTION TO AIRPORT TENANTS AND USERS. THERE IS ONLY GRASS TAXIWAY ACCESS TO THE HANGAR AREA DURING PHASE 3.

THE FOLLOWING ITEMS ARE TO BE COMPLETED IN PHASE 3:

1. REMOVAL OF PAVEMENTS WITHIN THE PHASE 3 LIMITS.
2. PREPARATION OF SUBGRADE WITHIN THE PHASE 3 LIMITS.
3. INSTALLATION OF UNDERDRAIN AND ASSOCIATED UNDERDRAIN STRUCTURES WITHIN THE PHASE 3 LIMITS.
4. INSTALLATION OF PAVEMENT SECTION WITHIN THE PHASE 3 LIMITS.
5. INSTALLATION OF PAVEMENT MARKINGS WITHIN THE PHASE 3 LIMITS.
6. GRADE, TOPSOIL, SEEDING AND INSTALLATION OF EROSION CONTROL BLANKET WITHIN THE PHASE 3 LIMITS.



Taxiway	Description	Station	Project Coordinates	
			Northing	Easting
Main Apron Taxiway	Beginning of Alignment	1124+00	1904999.5300	2593373.4618
	End of Alignment	1137+00	1905460.4783	2594588.9973
Taxiway A5	Beginning of Alignment	6+18.50	1905091.8399	2593662.5500
	End of Alignment	11+00.00	1905542.0520	2593491.8125



NOTE:
1. TAXIWAY A5 IS NOT PERPENDICULAR TO THE MAIN APRON TAXIWAY AND RUNWAY 7-25.

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

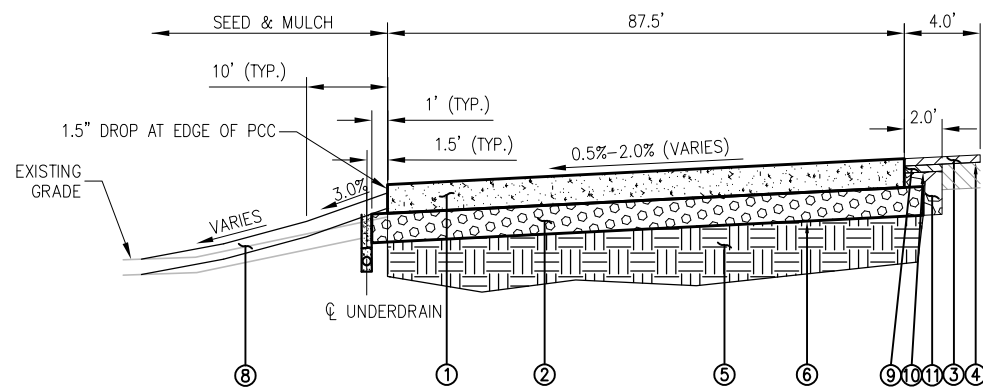
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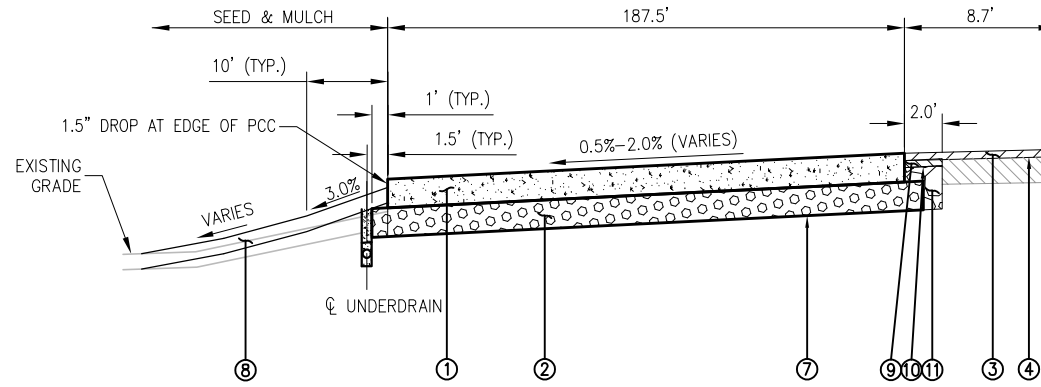
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CAD FILE: 08 ALIGNMENT LAYOUT.DWG
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ALIGNMENT DATA TABLE AND PAVEMENT LAYOUT

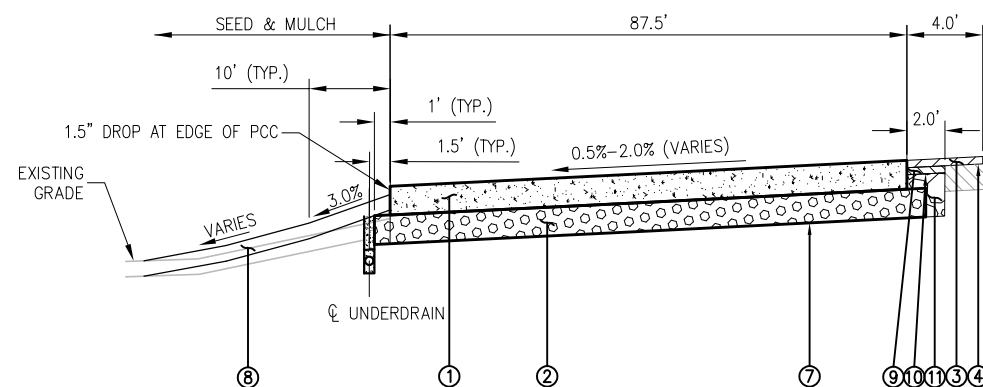


MAIN APRON A-A
MAIN APRON TAXIWAY STA 1127+26 - STA 1128+46
TYPICAL SECTION LOOKING EAST

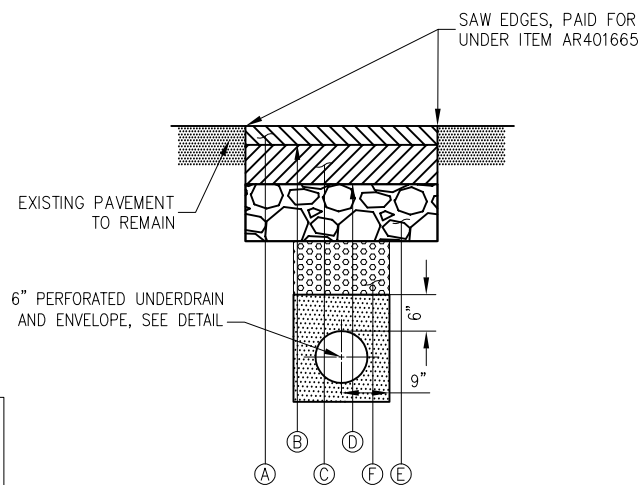


MAIN APRON C-C
MAIN APRON TAXIWAY STA 1129+51 - STA 1130+38
TYPICAL SECTION LOOKING EAST

* * BITUMINOUS TACK COAT SHALL BE APPLIED BETWEEN THE BITUMINOUS BASE COURSE AND THE BITUMINOUS SURFACE COURSE. BITUMINOUS PRIME COAT SHALL BE APPLIED BETWEEN THE AGGREGATE BASE COURSE AND THE BITUMINOUS BASE COURSE. NO EXCEPTIONS



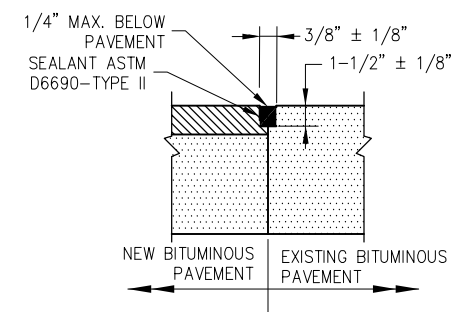
MAIN APRON B-B
MAIN APRON TAXIWAY STA 1128+46 - STA 1129+51
TYPICAL SECTION LOOKING EAST



NOTE:
ALL WORK TO BE PAID UNDER AR401910, EXCEPT SAWING PAID UNDER AR401665.

- (A) PROPOSED BITUMINOUS SURFACE COURSE ITEM AR401613, 1.5" MIN, MATCH EXISTING
- (B) PROPOSED BITUMINOUS TACK COAT, ITEM AR603510 (.15 GALLONS/SQUARE YARD)
- (C) PROPOSED BITUMINOUS BASE COURSE ITEM AR403613, 1.5" MIN, MATCH EXISTING
- (D) PROPOSED BITUMINOUS PRIME COAT, ITEM AR602510 (.30 GALLONS/SQUARE YARD)
- (E) PROPOSED CRUSHED AGGREGATE BASE COURSE ITEM AR209608, 8" MIN, MATCH EXISTING
- (F) PROPOSED GRANULAR DRAINAGE SUBBASE ITEM AR154606, DEPTH VARIES

REMOVE AND REPLACE BITUMINOUS PAVEMENT



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

BITUMINOUS/BITUMINOUS SEAL

PAVEMENT LEGEND

- (1) PROPOSED 6 INCH PCC CONCRETE, ITEM AR501506.
- (2) PROPOSED 6 INCH GRANULAR DRAINAGE SUBBASE, ITEM AR154606.
- (3) PROPOSED 1.5 INCH BITUMINOUS SURFACE COURSE, ITEM AR401613.
- (4) PROPOSED BITUMINOUS TACK COAT, ITEM AR603510.
- (5) PROPOSED UNDERCUT AR152410 AND REPLACEMENT WITH POROUS GRANULAR EMBANKMENT, AR208515
- (6) PROPOSED SEPARATION FABRIC, ITEM AR156513.
- (7) PROPOSED SOIL STABILIZATION FABRIC, ITEM AR152540.
- (8) PROPOSED SEEDING, ITEM AR901510 AND EROSION CONTROL BLANKET, ITEM AR156531.
- (9) PROPOSED 1.5 INCH BITUMINOUS BASE COURSE, ITEM AR403613.
- (10) PROPOSED BITUMINOUS PRIME COAT, ITEM AR602510.
- (11) PROPOSED CRUSHED AGG, BASE COURSE - 8", ITEM AR209608.

NOTES:

1. FOR ADDITIONAL LANDSCAPING INFORMATION, SEE LANDSCAPING PLAN.
2. ITEMS AR152540 SOIL STABILIZATION FABRIC, AR154606 GRANULAR DRAINAGE SUBBASE - 6", AR156513 SEPARATION FABRIC, AND AR209608 CRUSHED AGGREGATE BASE COURSE EXTEND 1' OUTSIDE ALL UNCONSTRAINED PAVEMENT EDGES.
3. ALL HMA MIXES FOR THIS PROJECT ARE SUPERPAVE.

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

SBG No's: 3-17-SBGP-111
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3-17-SBGP-133

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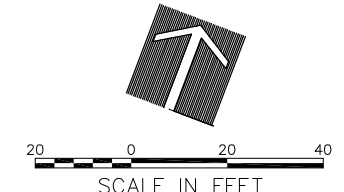
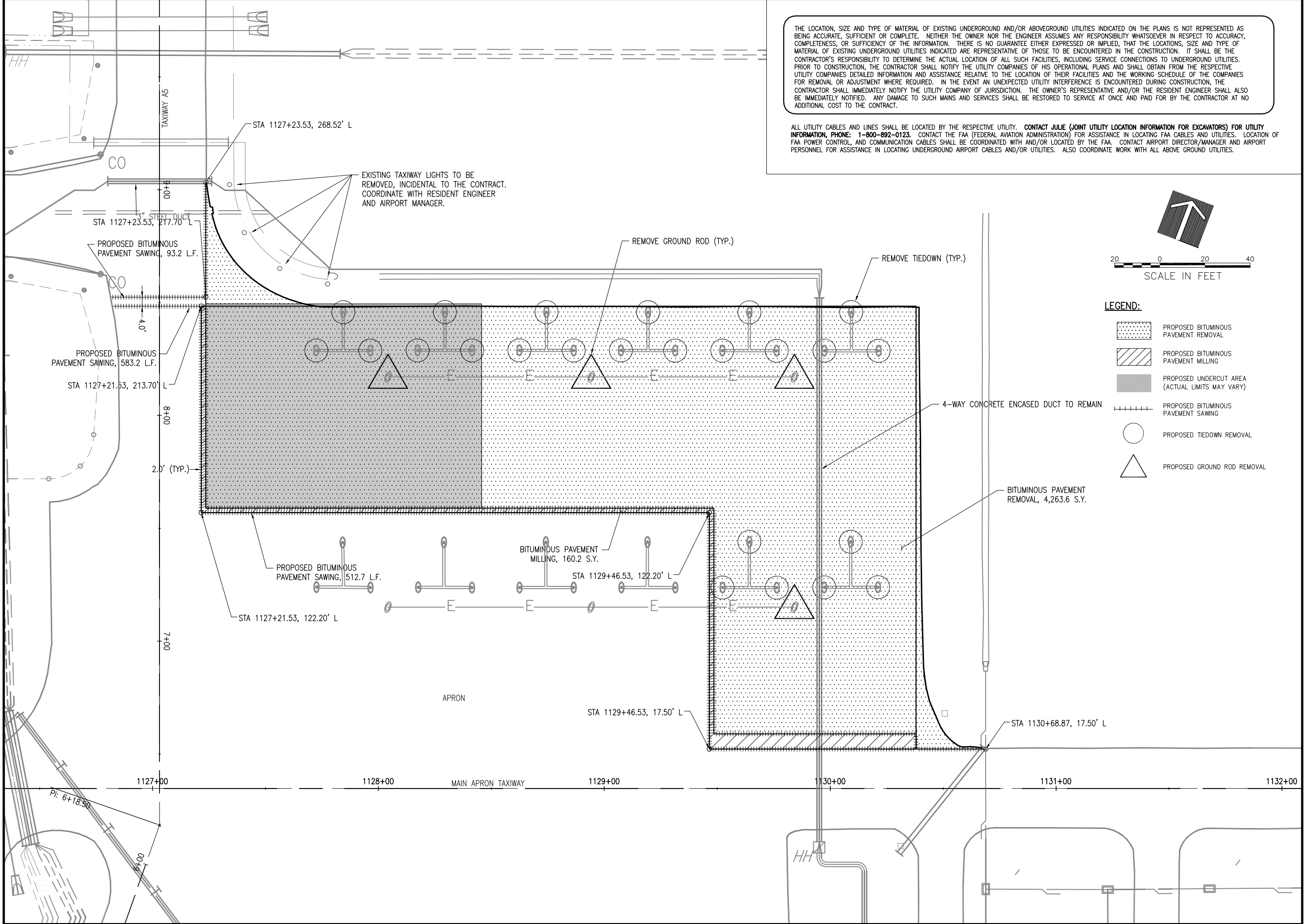
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PROJECT NO: 17A0055
CAD FILE: 09 TYPICAL SECTION.DWG
DESIGN BY: KMS 3/19/2018
DRAWN BY: KMS 3/19/2018
REVIEWED BY: RMH 4/20/2018

SHEET TITLE

TYPICAL SECTIONS

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. 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. CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVE GROUND UTILITIES.



- LEGEND:**
- PROPOSED BITUMINOUS PAVEMENT REMOVAL
 - PROPOSED BITUMINOUS PAVEMENT MILLING
 - PROPOSED UNDERCUT AREA (ACTUAL LIMITS MAY VARY)
 - PROPOSED BITUMINOUS PAVEMENT SAWING
 - PROPOSED TIEDOWN REMOVAL
 - PROPOSED GROUND ROD REMOVAL

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

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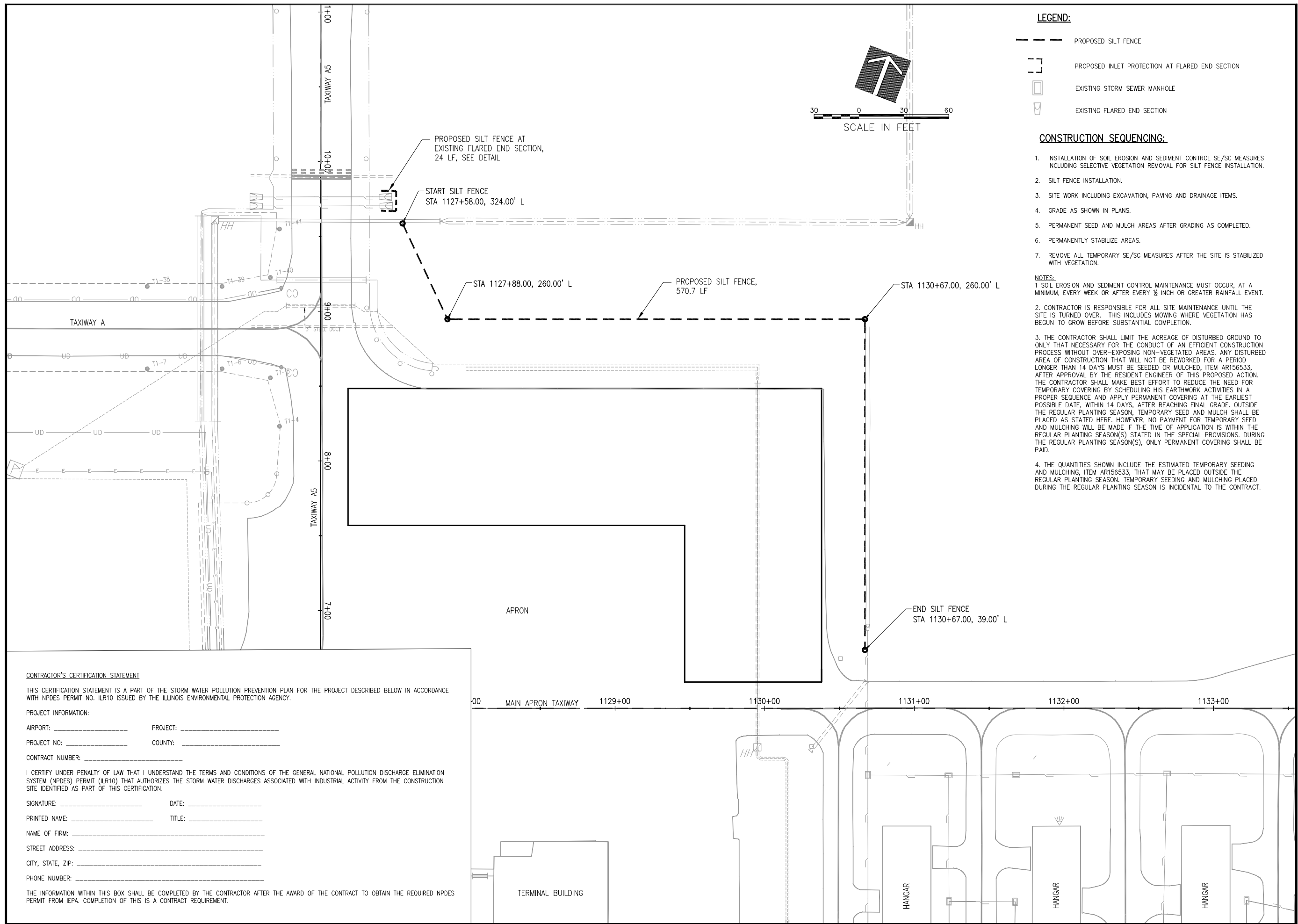
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PROJECT NO: 17A0055
CAD FILE: 10 REMOVAL PLAN.DWG
DESIGN BY: KMS 3/19/18
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REVIEWED BY: RMH 4/20/2018

SHEET TITLE

REMOVAL PLAN

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LEGEND:

- PROPOSED SILT FENCE
- - - PROPOSED INLET PROTECTION AT FLARED END SECTION
- EXISTING STORM SEWER MANHOLE
- ▽ EXISTING FLARED END SECTION

CONSTRUCTION SEQUENCING:

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES INCLUDING SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION.
2. SILT FENCE INSTALLATION.
3. SITE WORK INCLUDING EXCAVATION, PAVING AND DRAINAGE ITEMS.
4. GRADE AS SHOWN IN PLANS.
5. PERMANENT SEED AND MULCH AREAS AFTER GRADING AS COMPLETED.
6. PERMANENTLY STABILIZE AREAS.
7. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION.

NOTES:

1. SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR, AT A MINIMUM, EVERY WEEK OR AFTER EVERY 1/2 INCH OR GREATER RAINFALL EVENT.
2. CONTRACTOR IS RESPONSIBLE FOR ALL SITE MAINTENANCE UNTIL THE SITE IS TURNED OVER. THIS INCLUDES MOWING WHERE VEGETATION HAS BEGUN TO GROW BEFORE SUBSTANTIAL COMPLETION.
3. 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, 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 SEED 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.
4. 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.

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

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SHEET TITLE

SWPPP

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.

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 (DEC), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- 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 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.

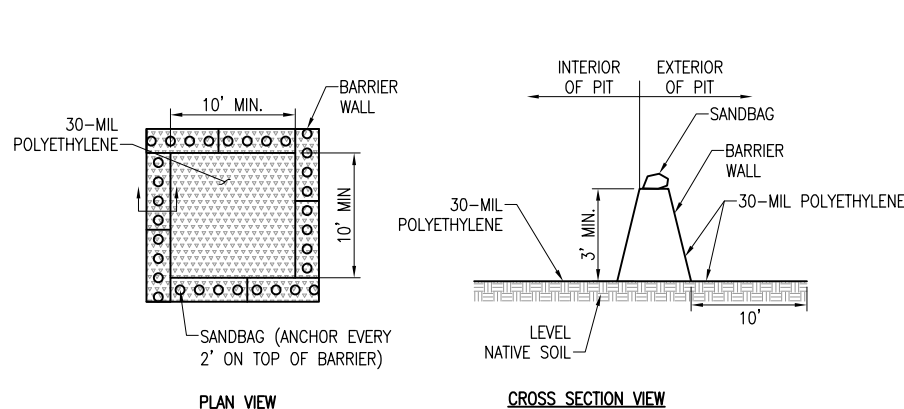
THE MAINTENANCE OF ALL STORM WATER POLLUTION PREVENTION MEASURES IS INCIDENTAL TO THE ASSOCIATED ITEM.

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.

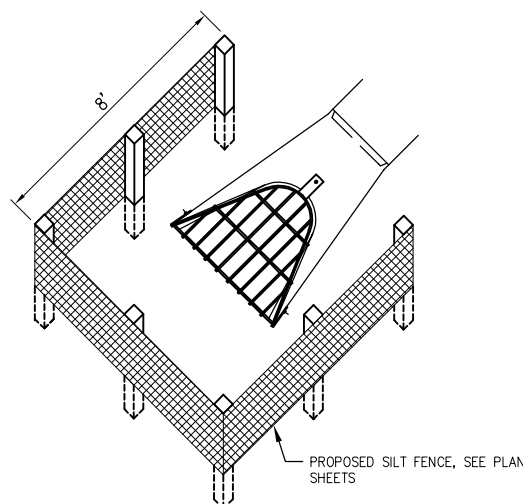
ADDITIONAL STORMWATER POLLUTION PREVENTION MEASURES ARE EXISTING ON SITE LOCATED AT DRAINAGE FACILITIES AND ALONG THE PROPERTY LINE.



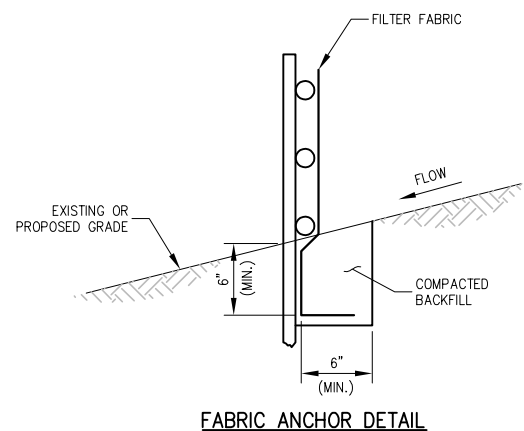
NOTES:

- IMPERMEABLE SHEETING MUST EXTEND OVER ENTIRE BASIN AND BERM TO PREVENT ESCAPE OF DISCHARGE.
- PROTECT AREA AROUND UNIT FOR 10 FEET WITH PLASTIC UNDER AND AROUND UNIT TO CONTAIN SPILLS OR OVERFLOW.
- FACILITY LINED WITH 30-MIL POLYETHYLENE LINER AND SECURED USING SAND BAGS, OR OTHER ANCHORS, AND SHALL BE FREE OF HOLES OR TEARS.
- FACILITY IS TO BE LOCATED ON LEVEL GROUND.
- WASHOUT NEEDS TO BE COVERED OR LIQUIDS TO BE REMOVED PRIOR TO IMPENDING STORMS TO PREVENT OVERFLOW.
- 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.
- 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 HAZARDOUS)
- 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.
- REPLACE DAMAGED LINER IMMEDIATELY.
- CHECK AREA SURROUNDING FACILITY FOR SIGNS OF EFFLUENT ESCAPING CONTAINMENT.
- INSPECT WASHOUT AREA FOLLOWING POUR TO EVALUATE EFFECTIVENESS.
- CHECK DEPTH OF SOLIDS TO ENSURE VOLUME IS SUFFICIENT FOR NEXT POUR.
- INSPECT WASHOUTS PRIOR TO POUR TO ENSURE SUFFICIENT VOLUME IS AVAILABLE TO CONTAIN WASHOUT.
- REMOVE TEMPORARY CONCRETE WASHOUT FACILITIES WHEN NO LONGER NEEDED AND RESTORE DISTURBED AREAS TO ORIGINAL CONDITION.
- DISPOSE OF SOLIDIFIED CONCRETE WASTE, CONSIDERED CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) AS PER THE IEPA ACT (415 ILC55).

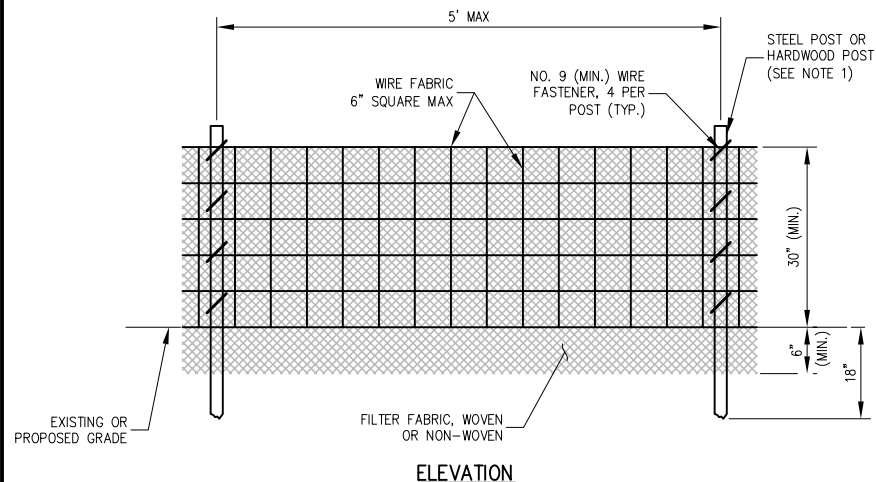
CONCRETE WASHOUT PIT



SILT FENCE PLACEMENT AT FLARED END SECTIONS (FES)



FABRIC ANCHOR DETAIL



ELEVATION

NOTES:

- 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 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.j.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.

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

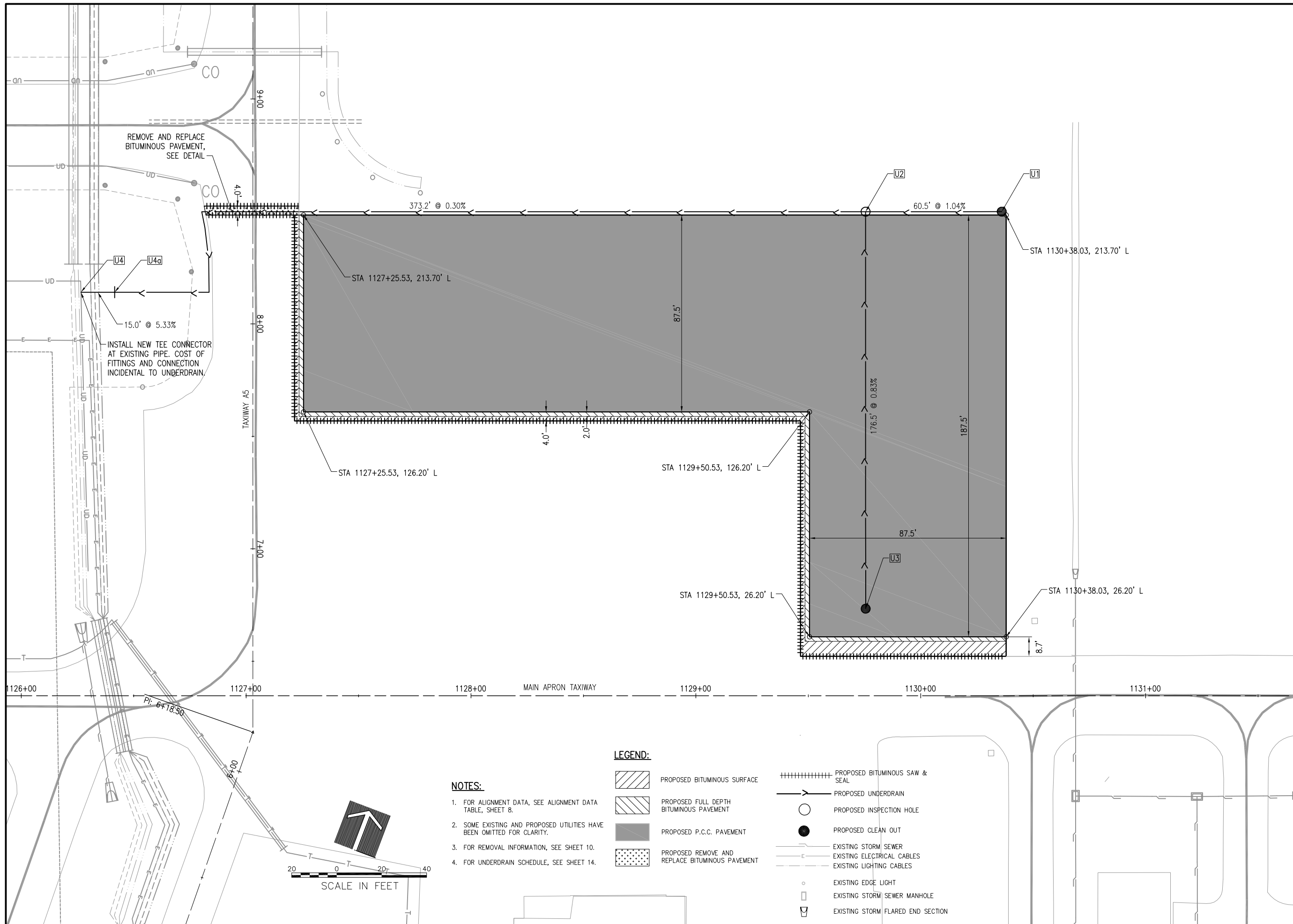
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3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
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REVIEWED BY: RMH 4/20/2018

SHEET TITLE

SWPPP
DETAILS



RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

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PROJECT NO: 17A0055
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REVIEWED BY: RMH 4/20/2018

SHEET TITLE

PROPOSED SITE PLAN

- NOTES:**
1. FOR ALIGNMENT DATA, SEE ALIGNMENT DATA TABLE, SHEET 8.
 2. SOME EXISTING AND PROPOSED UTILITIES HAVE BEEN OMITTED FOR CLARITY.
 3. FOR REMOVAL INFORMATION, SEE SHEET 10.
 4. FOR UNDERDRAIN SCHEDULE, SEE SHEET 14.

- LEGEND:**
- PROPOSED BITUMINOUS SURFACE
 - PROPOSED FULL DEPTH BITUMINOUS PAVEMENT
 - PROPOSED P.C.C. PAVEMENT
 - PROPOSED REMOVE AND REPLACE BITUMINOUS PAVEMENT
 - PROPOSED BITUMINOUS SAW & SEAL
 - PROPOSED UNDERDRAIN
 - PROPOSED INSPECTION HOLE
 - PROPOSED CLEAN OUT
 - EXISTING STORM SEWER
 - EXISTING ELECTRICAL CABLES
 - EXISTING LIGHTING CABLES
 - EXISTING EDGE LIGHT
 - EXISTING STORM SEWER MANHOLE
 - EXISTING STORM FLARED END SECTION

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RECONSTRUCT THE
EXISTING RAMP AREA
DESIGNATED R/2

IDA No: RPJ-4515

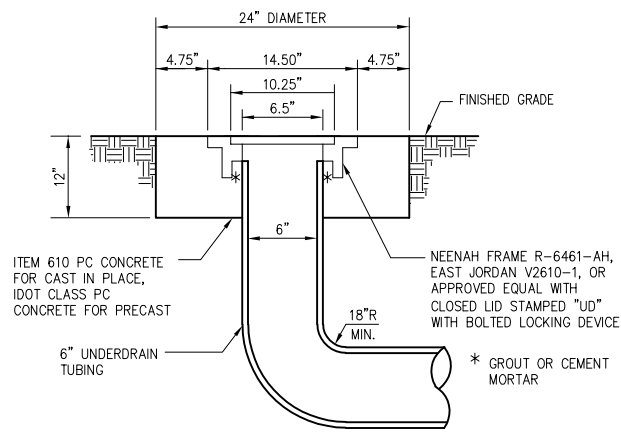
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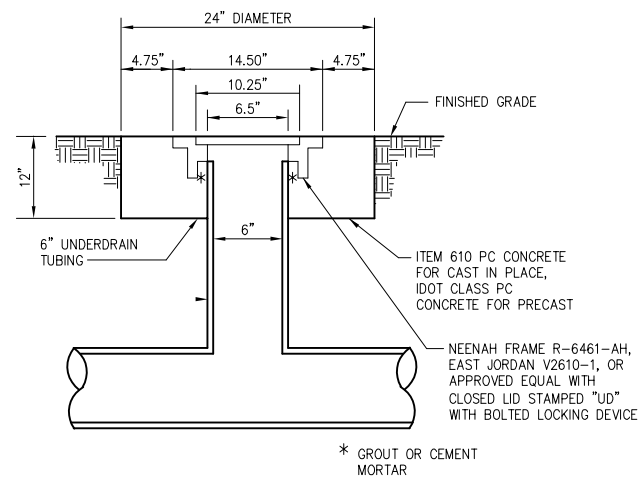
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PROJECT NO: 17A0055
CAD FILE: 15 DRN DET.DWG
DESIGN BY: KMS 3/20/2018
DRAWN BY: KMS 3/20/2018
REVIEWED BY: RMH 4/20/2018

SHEET TITLE

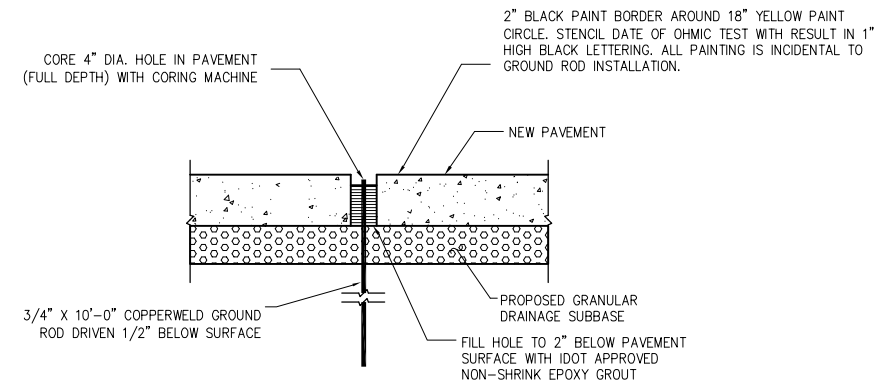
DRAINAGE AND
MISCELLANEOUS
DETAILS



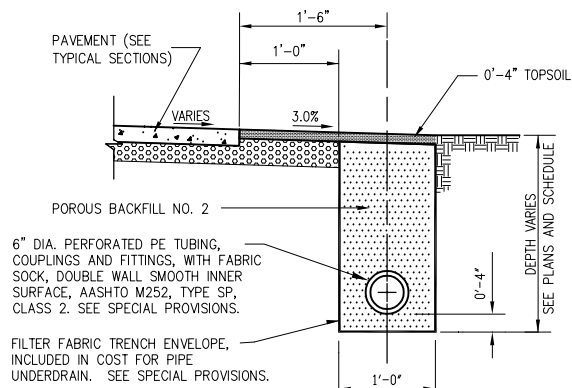
UNDERDRAIN CLEANOUT



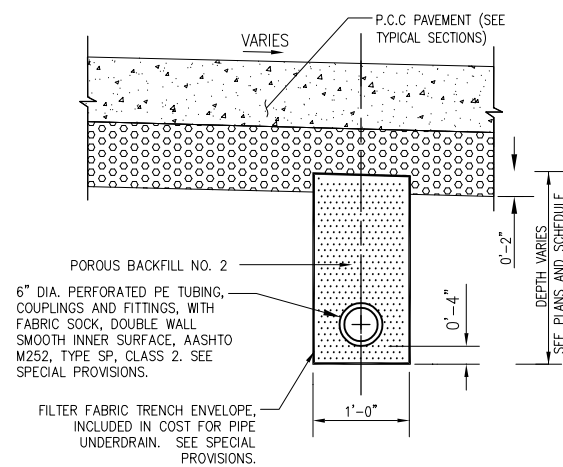
UNDERDRAIN INSPECTION HOLE



**IN PAVEMENT
GROUND ROD DETAIL**

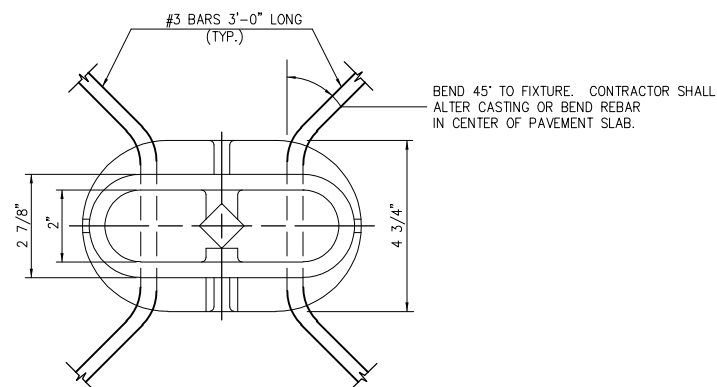


UNDERDRAIN ALONG PAVEMENT EDGE

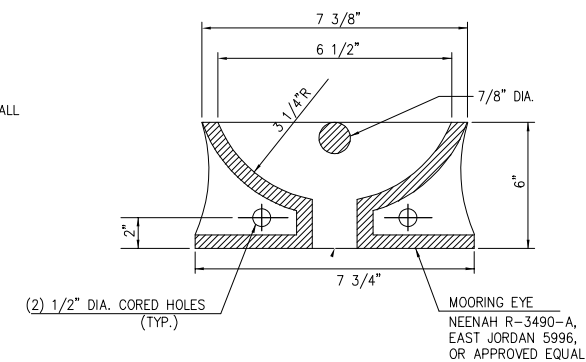


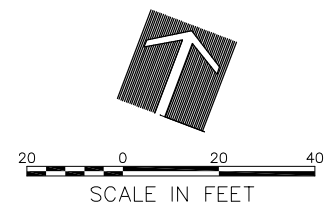
UNDERDRAIN UNDER PAVEMENT

UNDERDRAIN SCHEDULE							
STRUCTURE	STATION	OFFSET	TYPE	RIM EL.	INVERT EL.	PAY LENGTH	SLOPE %
U1	1130+36.04	215.20	LT	CLEANOUT	774.11	772.36	
U2	1129+75.52	215.20'	LT	INSPECTION HOLE	773.48	771.73	1.04%
U3	1129+75.52	38.70	LT	CLEANOUT	774.95	773.20	
U2	1129+75.52	215.20	LT	INSPECTION HOLE	773.48	771.73	0.83%
U2	1129+75.52	215.20	LT	INSPECTION HOLE	773.48	771.73	
U4a	1126+41.54	179.41	LT	SLOPE CHANGE	---	770.60	0.30%
U4	1126+26.54	179.41	LT	CONNECT TO EXISTING UD	---	769.80	5.33%



TIE DOWN (MOORING EYE)



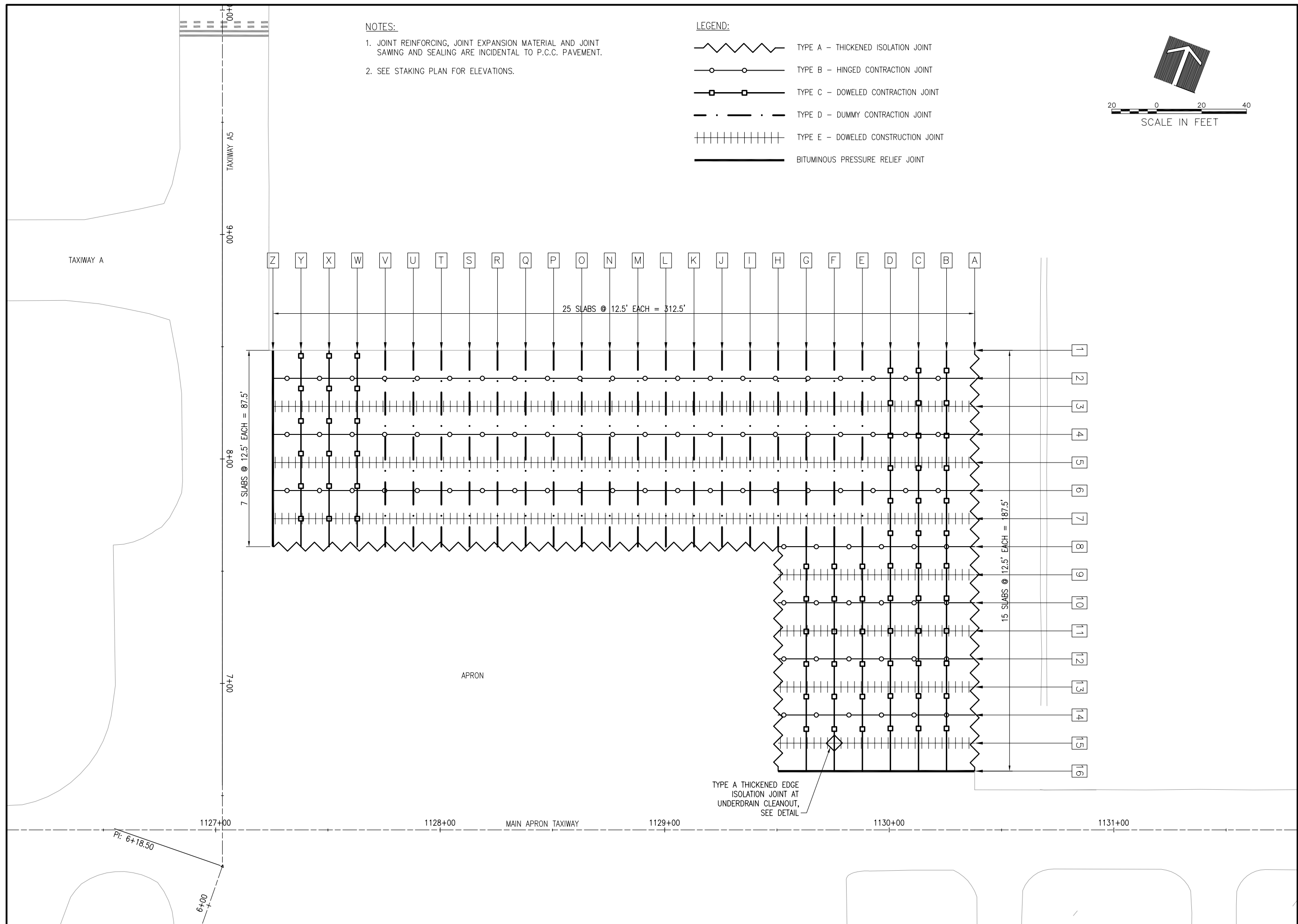


NOTES:

1. JOINT REINFORCING, JOINT EXPANSION MATERIAL AND JOINT SAWING AND SEALING ARE INCIDENTAL TO P.C.C. PAVEMENT.
2. SEE STAKING PLAN FOR ELEVATIONS.

LEGEND:

- TYPE A - THICKENED ISOLATION JOINT
- TYPE B - HINGED CONTRACTION JOINT
- TYPE C - DOWELED CONTRACTION JOINT
- TYPE D - DUMMY CONTRACTION JOINT
- TYPE E - DOWELED CONSTRUCTION JOINT
- BITUMINOUS PRESSURE RELIEF JOINT



RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

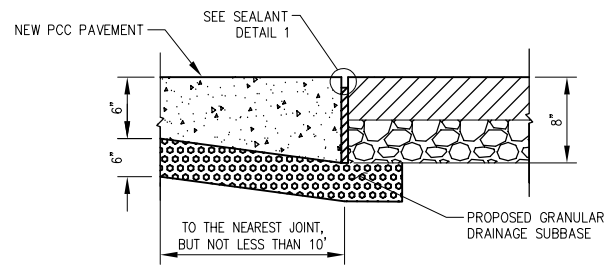
SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

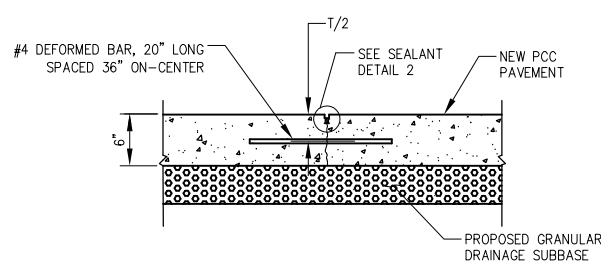
ISSUE: April 20, 2018
PROJECT NO: 17A0055
CAD FILE: 16 JOINTING PLAN.DWG
DESIGN BY: KMS 3/20/2018
DRAWN BY: KMS 3/20/2018
REVIEWED BY: RMH 4/20/2018

SHEET TITLE

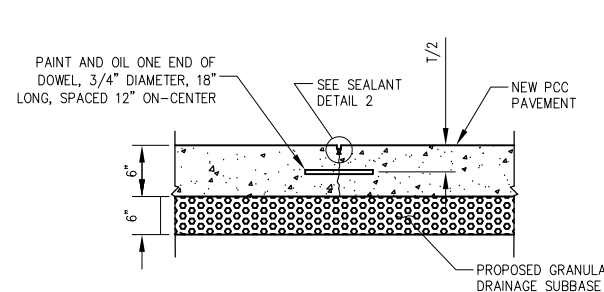
JOINTING PLAN



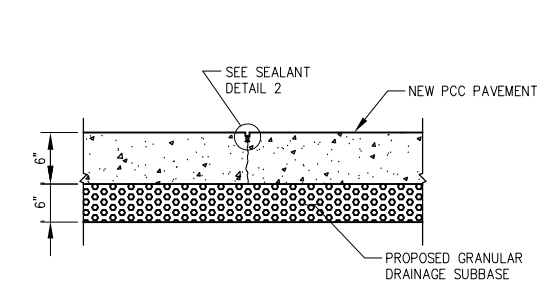
**TYPE A - THICKENED
ISOLATION JOINT**



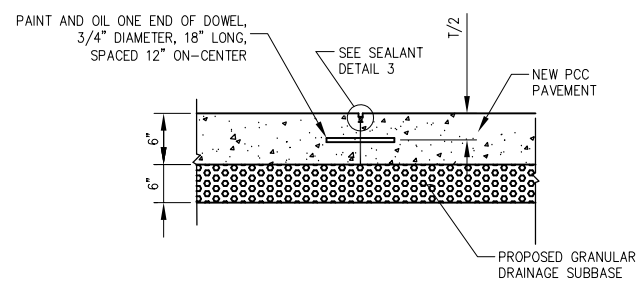
**TYPE B - HINGED
CONTRACTION JOINT**



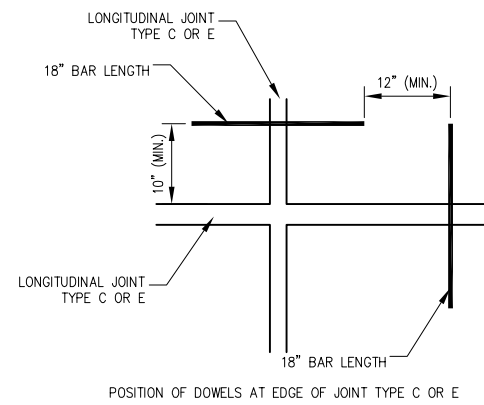
**TYPE C - DOWELED
CONTRACTION JOINT**



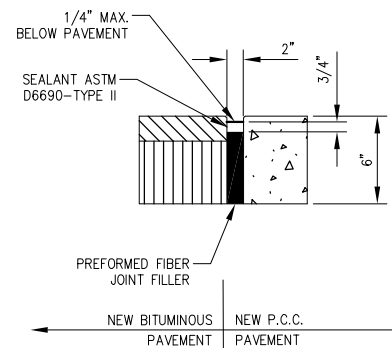
**TYPE D - DUMMY
CONTRACTION JOINT**



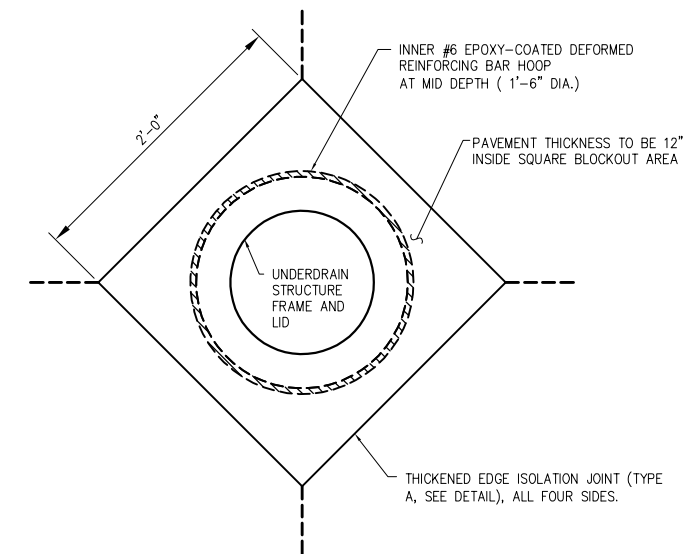
**TYPE E - DOWELED
CONSTRUCTION JOINT**



DOWEL PLAN VIEW



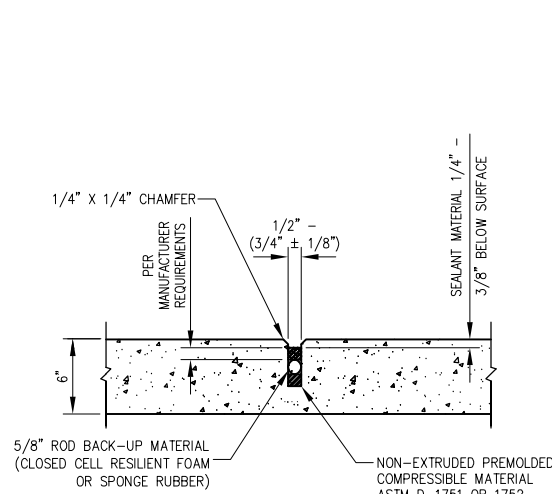
BITUMINOUS PRESSURE RELIEF JOINT



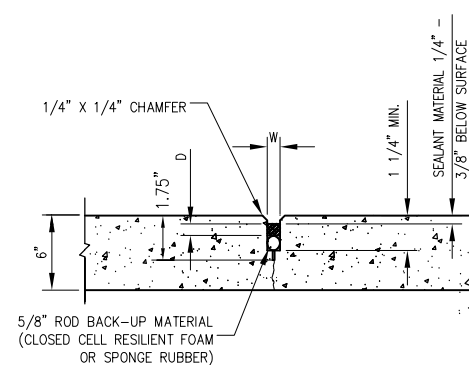
FRAMING NOTES

- HOOP REINFORCEMENT REQUIRED AND SHALL BE ONE PIECE CONSTRUCTION HAVING A MINIMUM LAP LENGTH OF 2'-0\"/>

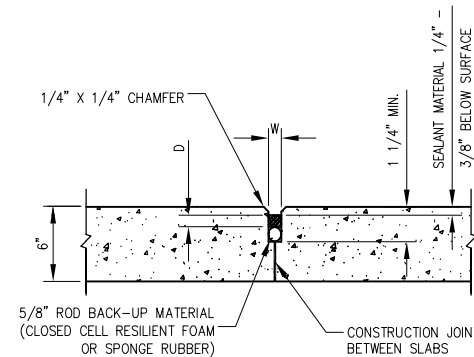
**JOINTING AND REINFORCING AT
IN PAVEMENT UNDERDRAIN CLEANOUTS**



DETAIL 1 - SEALANT



DETAIL 2 - SEALANT



DETAIL 3 - SEALANT

- NOTE:
- INITIAL SAWCUT 1.66" - 2" WHEN USING AN EARLY ENTRY SAW.
 - FIELD Poured SEALANT RESERVOIR SIZED TO PROVIDE PROPER SHAPE FACTOR BASED UPON MANUFACTURER REQUIREMENTS.
 - DIMENSIONS D AND W ARE PER MANUFACTURER REQUIREMENTS.

- NOTE:
- DIMENSIONS D AND W ARE PER MANUFACTURER REQUIREMENTS.

NOTE:
ALL JOINT SEALING TO BE INCIDENTAL TO ITEM
AR501506 6" PCC PAVEMENT

**RECONSTRUCT THE
EXISTING RAMP AREA
DESIGNATED R/2**

IDA No: RPJ-4515

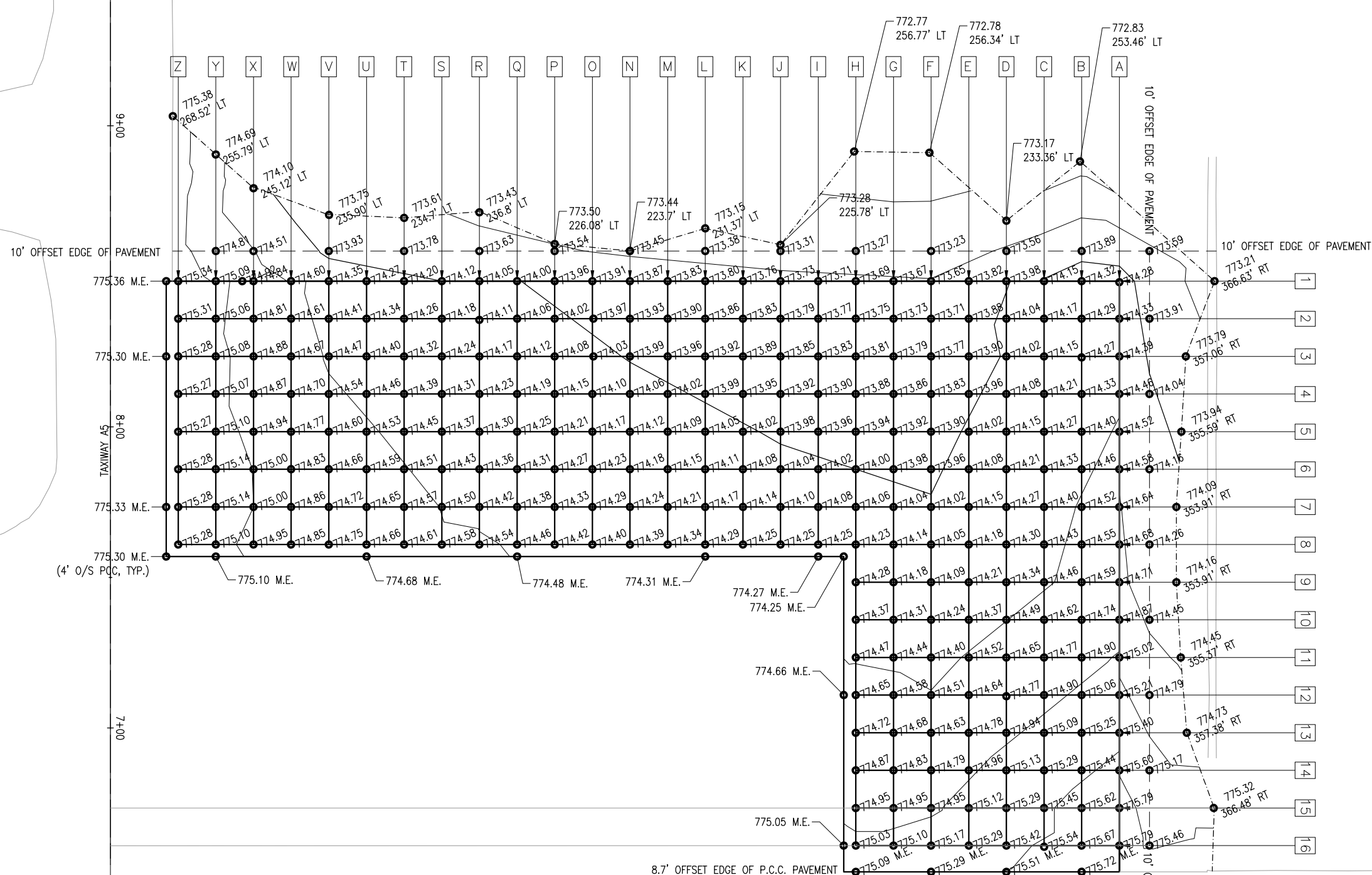
SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: April 20, 2018
PROJECT NO: 17A0055
CAD FILE: 17 JOINTING DETAILS.DWG
DESIGN BY: KMS 3/20/2018
DRAWN BY: KMS 3/20/2018
REVIEWED BY: RMH 4/20/2018

SHEET TITLE

JOINTING DETAILS



RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

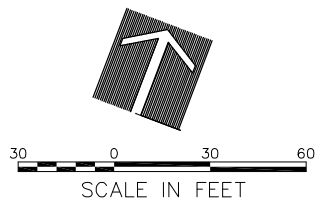
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: April 20, 2018
PROJECT NO: 17A0055
CAD FILE: 18 STAKING PLAN.DWG
DESIGN BY: KMS 3/20/18
DRAWN BY: KMS 3/20/18
REVIEWED BY: RMH 4/20/2018

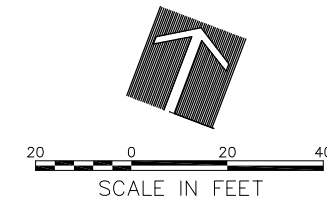
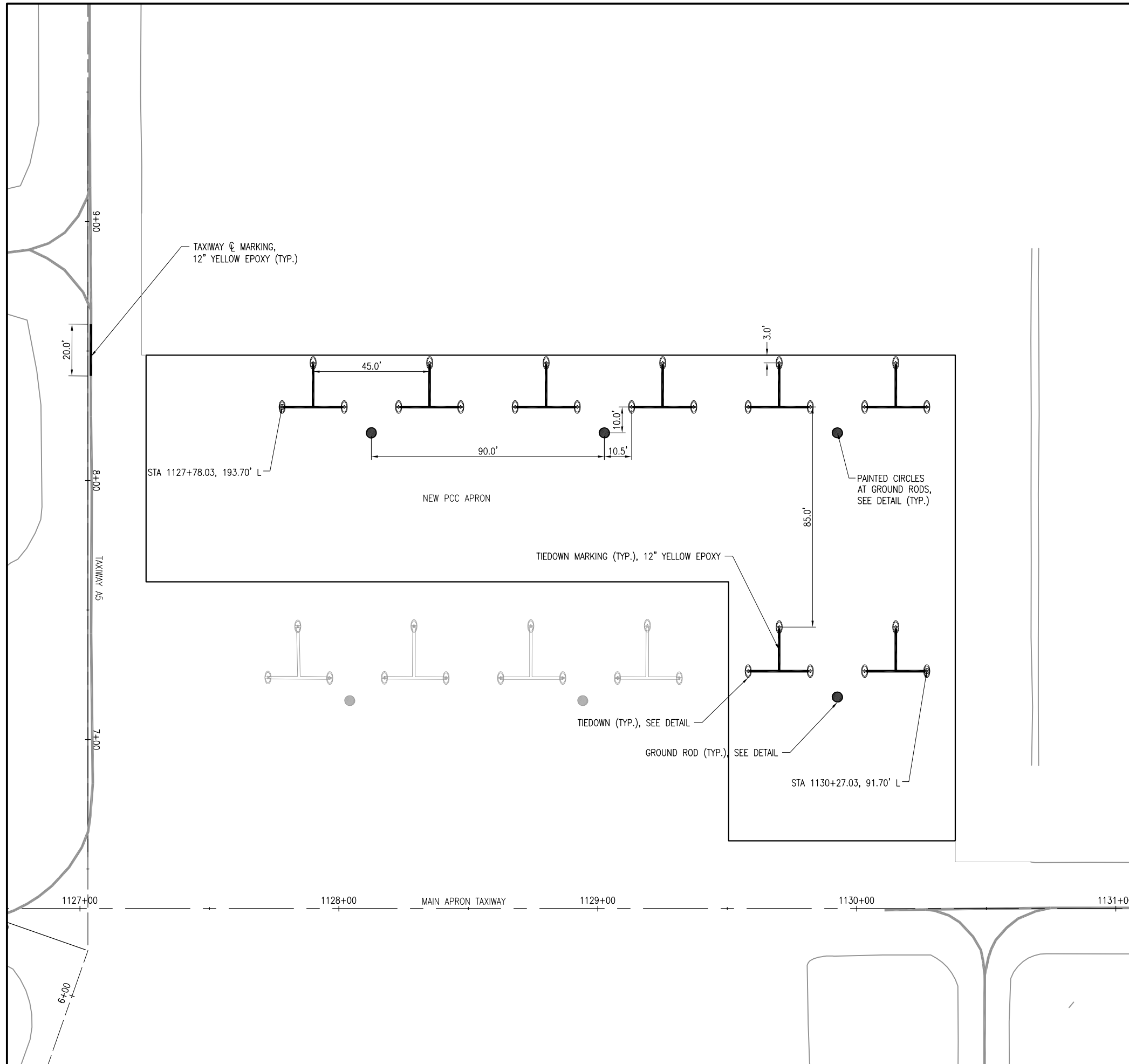
SHEET TITLE

STAKING PLAN

APR 20, 2018 6:55 AM SPRINTZ01394 I:\17\JOBS\17A0055\17A0055\CAD\AIRPORT\SHEET18 STAKING PLAN.DWG



LEGEND:
- - - - - GRADING LIMITS

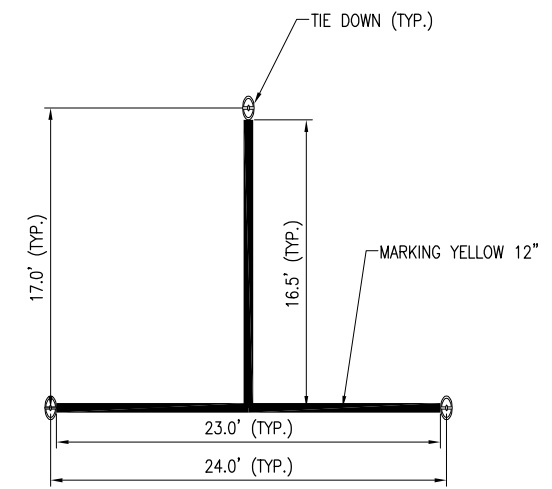


NOTES:

1. GLASS SPHERES ARE REQUIRED FOR ALL YELLOW MARKINGS. GLASS SPHERES ARE NOT REQUIRED FOR BLACK MARKINGS.
2. EPOXY MARKINGS SHALL BE USED ON ALL PAVEMENT.
3. ALL MARKING ON PCC PAVEMENT SHALL HAVE A 6" BLACK BORDER.
4. ALL BLACK MARKINGS SHALL BE WATERBORNE.
5. PAINTED CIRCLES SHALL BE PLACED AROUND EACH GROUND ROD, SEE DETAIL. THIS MARKING IS INCIDENTAL TO GROUND ROD.
6. WAITING TIME FOR APPLICATION OF MARKINGS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS INCLUDING ITEM 620.

LEGEND:

- PROPOSED GROUND ROD
- ⊕ PROPOSED TIE DOWN
- EXISTING GROUND ROD
- ⊕ EXISTING TIE DOWN



TIE DOWN MARKING DETAIL

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

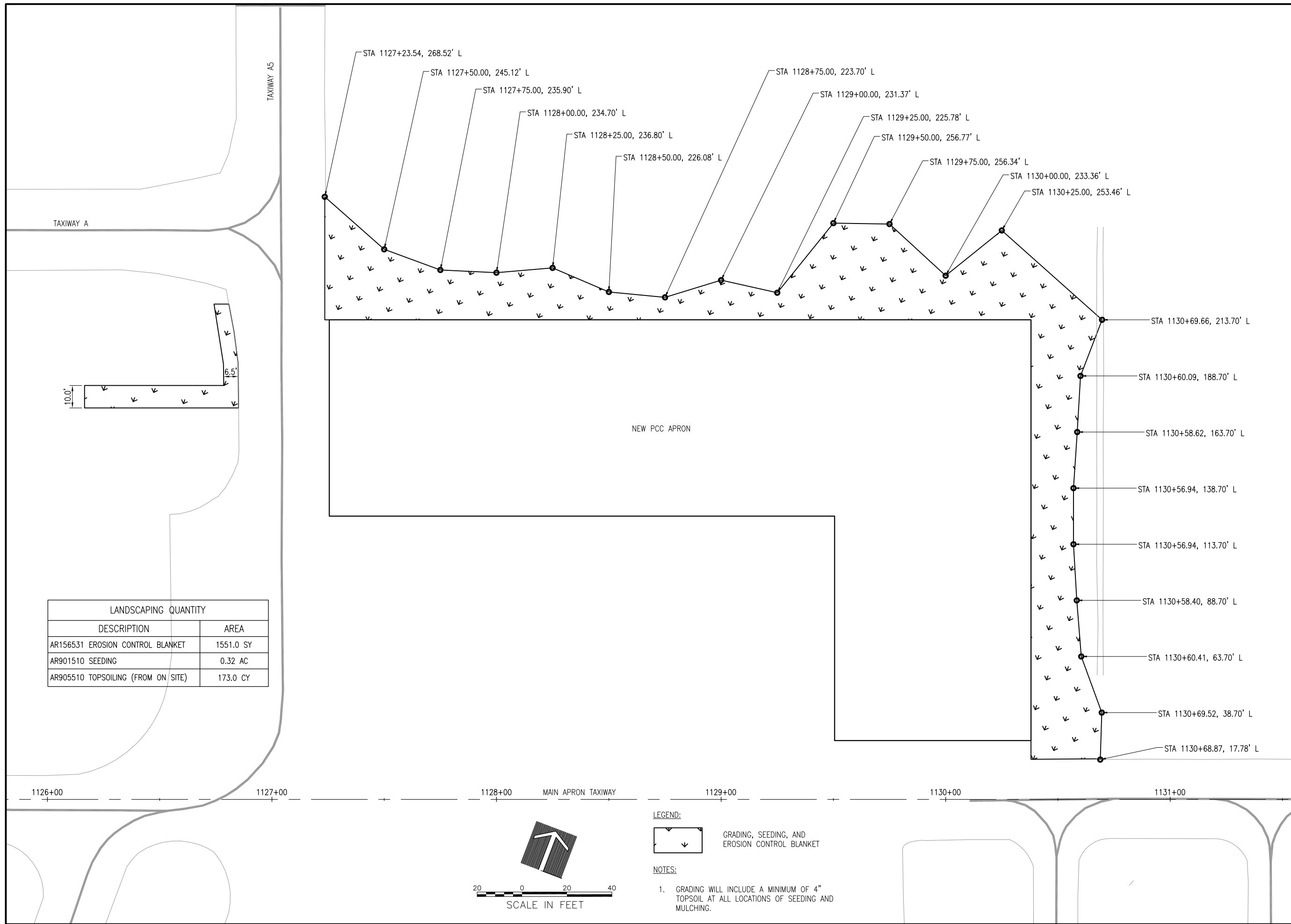
SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: April 20, 2018
PROJECT NO: 17A0055
CAD FILE: 19 MARKING PLAN.DWG
DESIGN BY: KMS 3/19/2018
DRAWN BY: KMS 3/19/2018
REVIEWED BY: RMH 4/20/2018

SHEET TITLE

MARKING PLAN



LANDSCAPING QUANTITY	
DESCRIPTION	AREA
AR156531 EROSION CONTROL BLANKET	1551.0 SY
AR901510 SEEDING	0.32 AC
AR905510 TOPSOILING (FROM ON SITE)	173.0 CY

RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

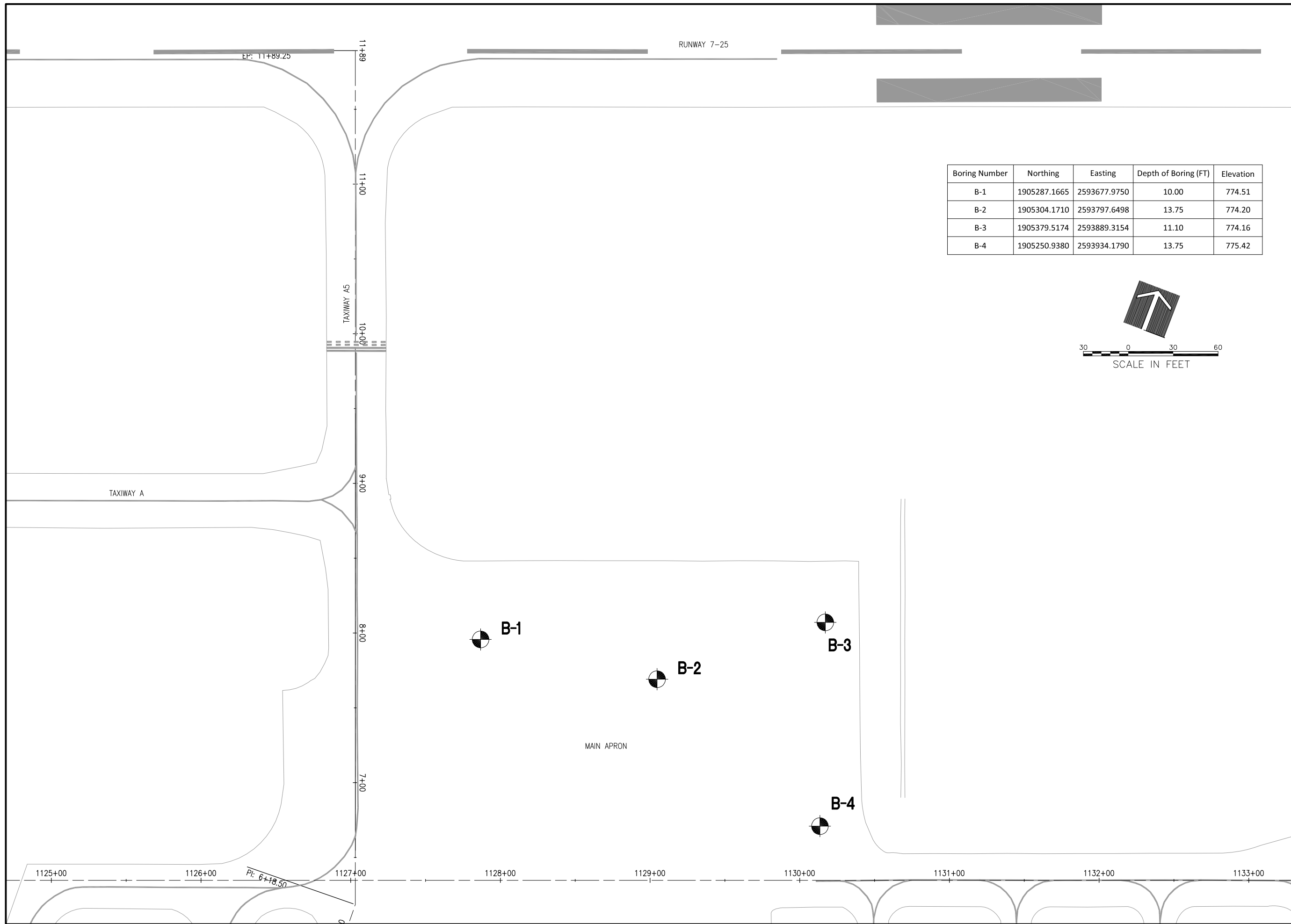
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: April 20, 2018
PROJECT NO: 17A0055
CAD FILE: 20 LSC PLAN.DWG
DESIGN BY: KMS 3/19/2018
DRAWN BY: KMS 3/19/2018
REVIEWED BY: RMH 4/20/2018

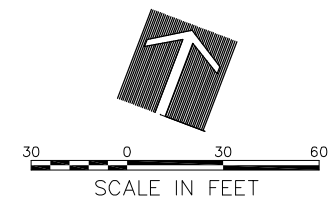
SHEET TITLE

LANDSCAPING PLAN

APR 20, 2018 12:09 PM SPITZ01384
E:\17\JOBS\17A0055\CAD\AIRPORT\SHET20 LSC PLAN.DWG



Boring Number	Northing	Easting	Depth of Boring (FT)	Elevation
B-1	1905287.1665	2593677.9750	10.00	774.51
B-2	1905304.1710	2593797.6498	13.75	774.20
B-3	1905379.5174	2593889.3154	11.10	774.16
B-4	1905250.9380	2593934.1790	13.75	775.42



RECONSTRUCT THE
EXISTING RAMP AREA
DESIGNATED R/2

IDA No: RPJ-4515

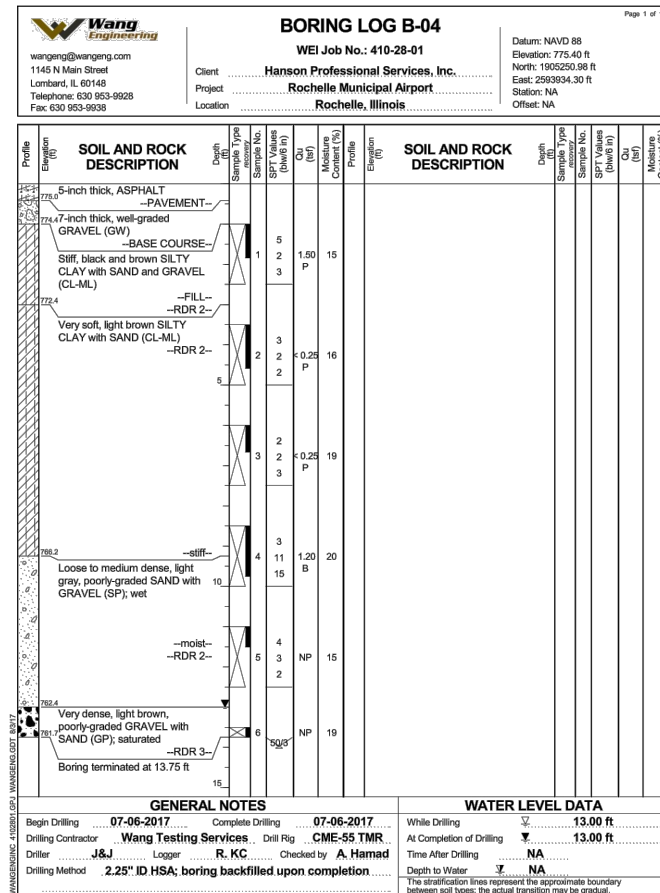
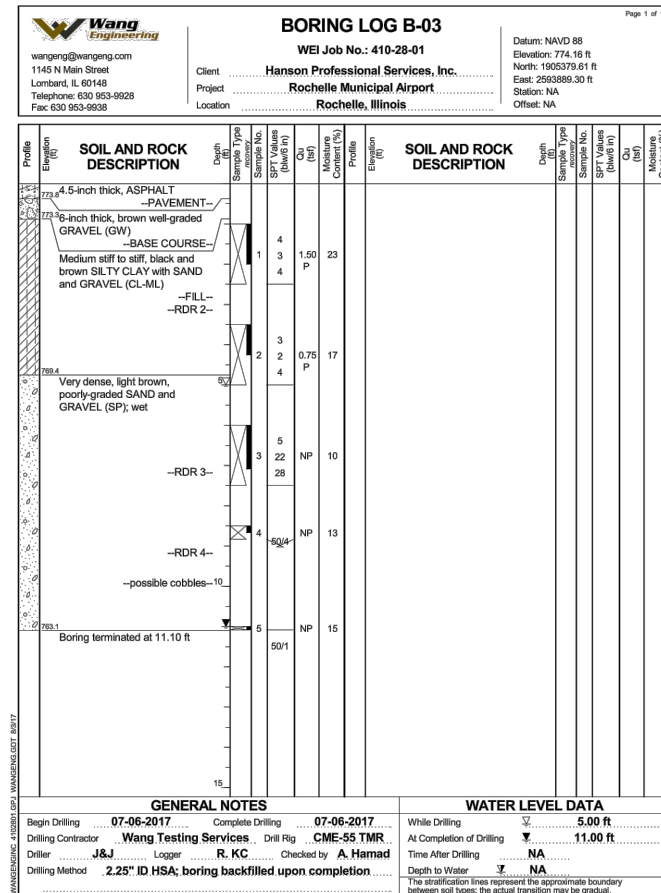
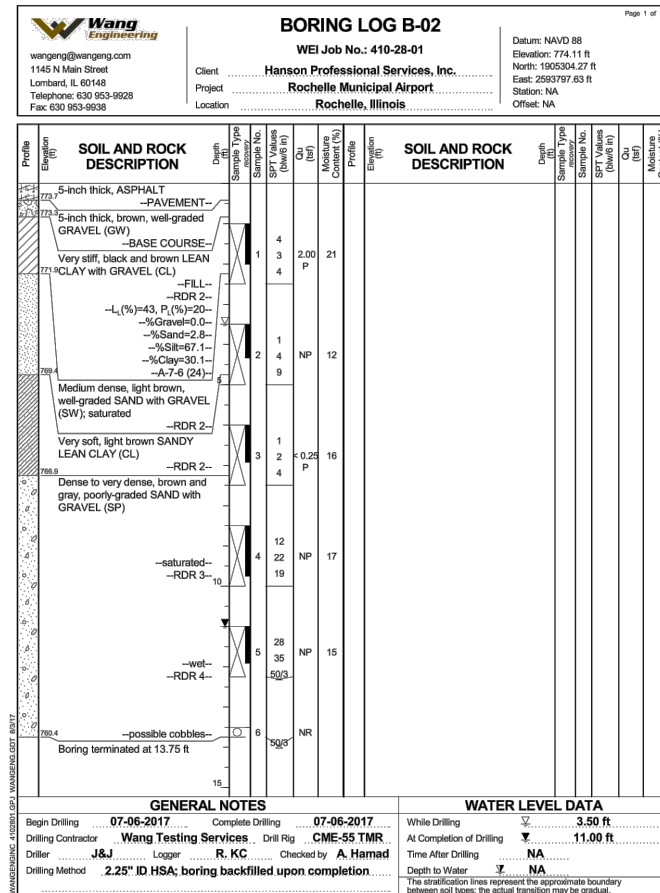
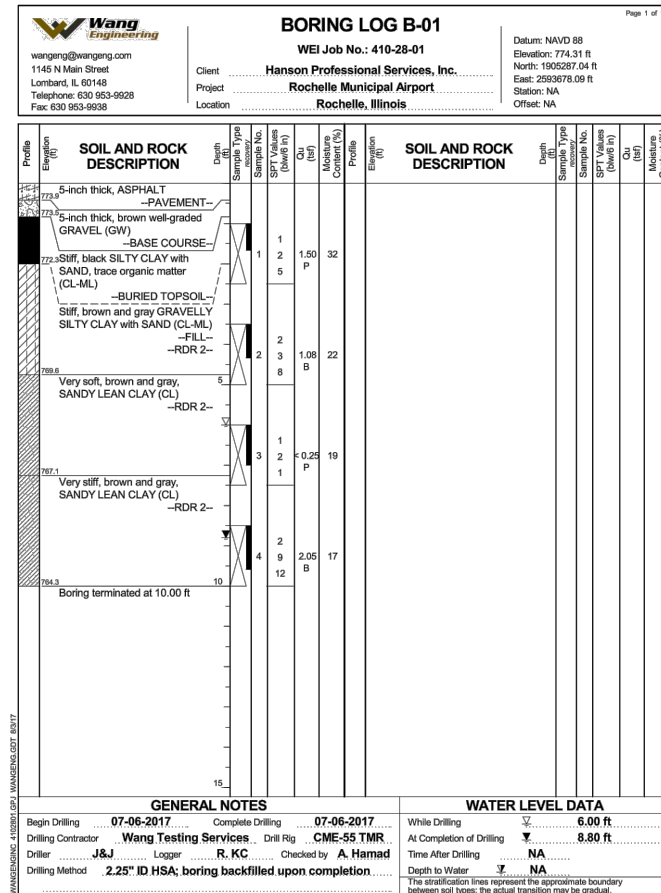
SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: April 20, 2018
PROJECT NO: 17A0055
CAD FILE: 21 BORING MAP.DWG
DESIGN BY: KMS 3/20/18
DRAWN BY: KMS 3/20/18
REVIEWED BY: RMH 4/20/2018

SHEET TITLE

BORING
LOCATION MAP



RECONSTRUCT THE EXISTING RAMP AREA DESIGNATED R/2

IDA No: RPJ-4515

SBG No's: 3-17-SBGP-111
3-17-SBGP-120
3-17-SBGP-133

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: April 20, 2018
PROJECT NO: 17A0055
CAD FILE: 22 BORING LOG.DWG
DESIGN BY: KMS 3/19/18
DRAWN BY: KMS 3/19/18
REVIEWED BY: RMH 4/20/2018

SHEET TITLE

BORING LOG B-01 THRU B-04