

# CONSTRUCTION PLANS FOR PONTIAC MUNICIPAL AIRPORT PONTIAC, ILLINOIS

ILLINOIS PROJECT NO. PNT-4142  
AIP PROJECT NO. 3-17-SBGP-XX

## REHABILITATE APRON AND CONNECTING TAXIWAY

SUMMARY OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	LS	1
AR150520	MOBILIZATION	LS	1
AR152480	SHOULDER ADJUSTMENT	SY	3,500
AR156510	SILT FENCE	LF	1,950
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	LF	1,000
AR201663	SAND MIX CRACK REPAIR	LF	500
AR401613	BITUMINOUS SURFACE COURSE - METHOD I, SUPERPAVE	TON	2,300
AR401650	BITUMINOUS PAVEMENT MILLING	SY	9,600
AR510510	TIE DOWN	EA	69
AR510515	GROUND ROD	EA	24
AR510900	REMOVE TIE DOWN	EA	45
AR510905	REMOVE GROUND ROD	EA	14
AR603510	BITUMINOUS TACK COAT	GAL	1,500
AR620520	PAVEMENT MARKING-WATERBORNE	SF	1,400
AR620525	PAVEMENT MARKING-BLACK BORDER	SF	2,350
AR751949	ADJUST INLETS	EA	3
AR751952	ADJUST UNDERDRAIN STRUCTURE	EA	2
AR901510	SEEDING	AC	1
AR908510	MULCHING	AC	1
ADD. ALTERNATE #1			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANT
AR501911	REMOVE AND REPLACE PCC PAVEMENT	SF	1,300

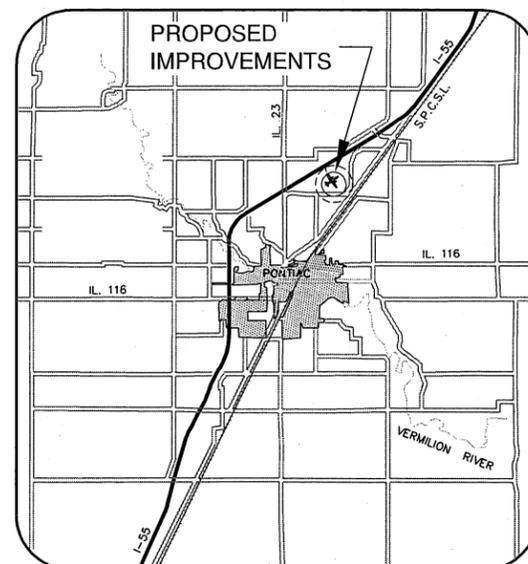
Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	SITE PLAN
3	CONSTRUCTION ACTIVITY PLAN NOTES AND DETAILS
4	CONSTRUCTION ACTIVITY PLAN
5	CONSTRUCTION PHASING PLAN
6	EXISTING CONDITIONS & REMOVALS
7	PROPOSED IMPROVEMENTS
8	TYPICAL SECTIONS
9	PLAN AND PROFILE
10	APRON STAKING PLAN 1
11	APRON STAKING PLAN 2
12	MARKING PLAN
13	APRON MARKING AND MOORING PLAN
14	MOORING DETAIL
15	DRAINAGE DETAILS
16	REMOVAL DETAILS
17	PCC PAVEMENT DETAILS

APRIL, 18 2014

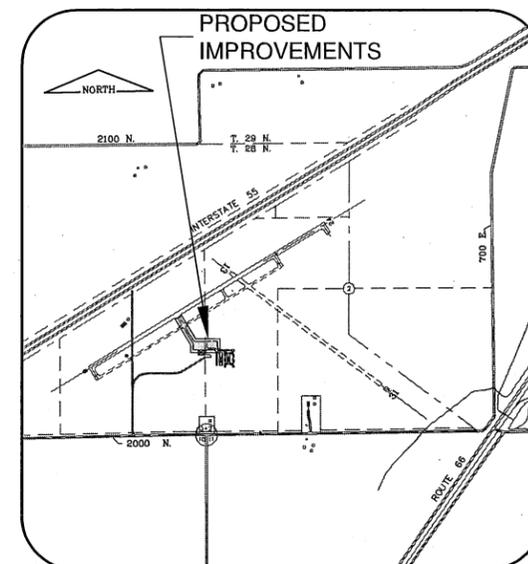
UNICOM FREQUENCY 122.8

**DESIGN DATA**

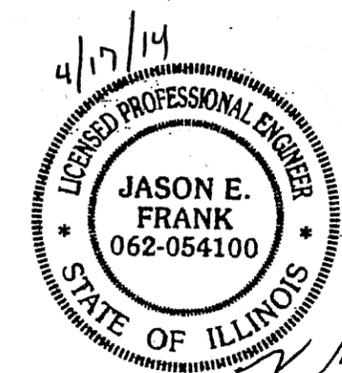
<p><b>GEOMETRIC DESIGN DATA</b></p> <p>DESIGN GROUP - II</p> <p>WING SPAN - 49 FEET UP TO BUT NOT INCLUDING 79 FEET.</p> <p>DESIGN APPROACH CATEGORY - B</p>
<p><b>STRUCTURAL DESIGN DATA</b></p> <p>AIRCRAFT GROSS WEIGHT - 30,000 LBS.</p> <p>SINGLE WHEEL AIRCRAFT</p>
<p>CALL J.U.L.I.E. BEFORE EXCAVATING 1-800-892-0123 PONTIAC MUNICIPAL AIRPORT</p>
<p>TOWNSHIP: T28N RANGE: R5E COUNTY: LIVINGSTON TOWNSHIP: PONTIAC LOCATION: 1 MILE EAST OF RTE. 23 OVERPASS ON INTERSTATE 55 SECTION 3</p>



LOCATION MAP



SITE PLAN



*J. E. Frank*  
EPP 11-30-15

MAXIMUM EQUIPMENT HEIGHT  
25 FEET

CITY OF PONTIAC  
PONTIAC MUNICIPAL AIRPORT  
PONTIAC, ILLINOIS  
APPROVED: *[Signature]*  
DATE: APRIL 16, 2014

**CMT**  
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CONSULTING ENGINEERS  
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SUBMITTED BY: *[Signature]*  
DATE: APRIL 17, 2014  
CM&T JOB NUMBER 13054-02

FILE: K:\Pontiac\Aip\030502\Draw\shans01\_Cover.DWG  
 MODIFIED: Mon 2/20/14 11:28am  
 LAST UPDATE: mshans

EXISTING AIRPORT COORDINATE TABLE			
LOCATION	LATITUDE N.	LONGITUDE W.	ELEVATION
RUNWAY 6	40° 55' 15.1063"	88° 37' 54.0035"	648.6
RUNWAY 24	40° 55' 40.9458"	88° 36' 58.4819"	665.9



**LEGEND**

EXISTING	PROPOSED	DESCRIPTION
		AIRPORT BUILDINGS
		HOUSES AND OUTBUILDINGS
		GROUND CONTOURS
		OVERHEAD POWER LINE
		CONTRACTOR'S ACCESS ROUTE TO SITE
		CONTRACTOR'S STAGING, STORAGE AND PERSONNEL VEHICLE PARKING SITE

**NOTE:**  
 1.) CONTRACTOR SHALL USE HAUL ROAD AT THE ALIGNMENT AS SHOWN.

BASELINE PointBASE

**P0018**

REVISIONS		
NUMBER	BY	DATE

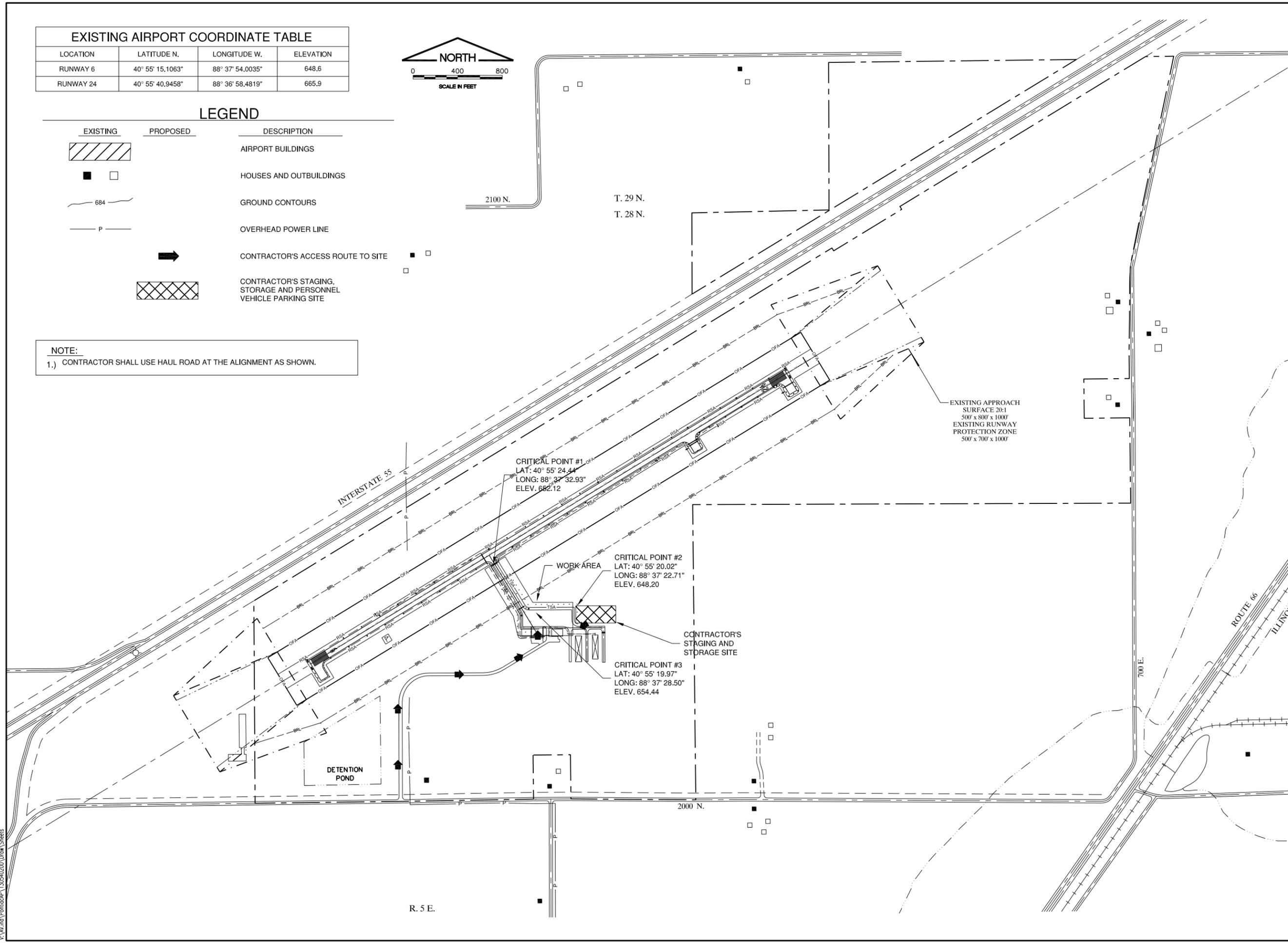
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

**PONTIAC MUNICIPAL AIRPORT**  
**PONTIAC, ILLINOIS**  
**REHABILITATE APRON AND CONNECTING TAXIWAY**  
**SITE PLAN**

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DESIGN BY:	JEF
DRAWN BY:	JEF, ADD
CHECKED BY:	RJH
APPROVED BY:	JEF
DATE:	APRIL 18, 2014
JOB No:	1305402
IL. PROJ. NO. PNT-4142 AIP PROJ. NO. 3-17-SBGP-XX	
SHEET	2 OF 17 SHEETS



W:\AV\and\PontiacPA\130540200\Drawn Sheets

**GENERAL**

- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE AIRPORT'S APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), FAA AC 150/5370-2F (LATEST EDITION), AND ALL AIRPORT SAFETY AND SECURITY REQUIREMENTS.
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE AIRPORT FOR APPROVAL A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA AC 150/5370-2F. NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL THE AIRPORT HAS APPROVED THE SPCD.
- THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL AND MEETING OSHA REQUIREMENTS.
- A MINIMUM OF 10 DAYS PRIOR TO THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS.
- ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A SPECIFIC PAY ITEM IS PROVIDED.

**1. COORDINATION**

- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE AIRPORT, AND ENGINEER. THE COST OF PREPARING FOR AND ATTENDING THE PRECONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT.
- ON OR BEFORE THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE FOR THE PROJECT. THE SCHEDULE SHALL INCLUDE A START AND COMPLETION DATE FOR EACH ITEM OF WORK. THE SCHEDULE SHALL BE UPDATED ON A WEEKLY BASIS. ALL COSTS ASSOCIATED WITH THE SCHEDULE SHALL BE INCIDENTAL TO THE CONTRACT.
- DURING CONSTRUCTION THE CONTRACTOR SHALL ATTEND A WEEKLY COORDINATION MEETING WITH THE AIRPORT AND RESIDENT ENGINEER. ALL COSTS ASSOCIATED WITH ATTENDING THE WEEKLY MEETING SHALL BE INCIDENTAL TO THE CONTRACT.

**2. PHASING**

- TOTAL CONTRACT TIME SHALL BE 72 CALENDAR DAYS.
- THE PROJECT HAS TWO PHASES. PHASE 1 WORK CONSISTS OF REMOVAL OF THE EXISTING TIE DOWNS AND GROUND RODS, MILLING AND BITUMINOUS PAVING, AND INSTALLATION OF NEW TIE DOWNS, GROUND RODS, MARKING AND SHOULDER ADJUSTMENT. PHASE 2 WORK CONSISTS OF MILLING AND BITUMINOUS PAVING, REMOVAL AND REPLACEMENT OF PCC PAVEMENT IF ADD ALT #1 IS AWARDED, INSTALLATION OF NEW PAVEMENT MARKINGS AND SHOULDER ADJUSTMENT.

**3. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY**

- ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED.
- WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT.
- ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

**4. PROTECTION OF NAVIGATION AIDS (NAVAIDS)**

- CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 10 DAYS PRIOR TO THE SHUT DOWN OF ANY NAVIGATIONAL AIDS..

**5. CONTRACTOR ACCESS**

- CONTRACTOR ACCESS SHALL BE AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS.
- THE CONTRACTOR IS TO ACCESS THE SITE USING THE GATES SHOWN.
- THE TRUCK DRIVERS SHALL BE ESCORTED BY THE CONTRACTOR AT ALL TIMES.
- CONTRACTOR WORK CREWS MUST MONITOR AIRFIELD RADIO FREQUENCY (122.80) AT ALL TIMES WHEN INSIDE THE AIRPORT OPERATIONS AREA (AOA).
- THE CONTRACTORS STORAGE AND STAGING AREA WILL BE AS SHOWN IN THE SITE PLAN
- THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR.
- WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREA.
- THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE.
- THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL COUNTY ROADS WHICH WILL BE OPEN TO TRAFFIC TO THE SATISFACTION OF AIRPORT OPERATIONS AND THE COUNTY ENGINEER. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC.
- ALL PAVEMENTS, DRIVES, TURF AREAS, OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE AIRPORT IF CONSTRUCTION ACTIVITY WILL REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT.

**6. WILDLIFE MANAGEMENT**

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

**7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT**

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

**8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT**

- THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS HANDLED ON THE JOBSITE.

**9. NOTIFICATION OF CONSTRUCTION ACTIVITIES**

- THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
- THE CONTRACTOR SHALL GIVE A MINIMUM OF 72 HOURS NOTICE TO AIRPORT OPERATIONS PRIOR TO CLOSING ANY PAVEMENTS SO THAT PROPER NOTAMS MAY BE ISSUED BY THE AIRPORT.
- FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT GREATER THAN 25', THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT THE TYPE OF EQUIPMENT, TOTAL HEIGHT, AND LOCATION WHERE THE EQUIPMENT WILL BE USED. THE AIRPORT WILL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
- IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.
- CONTACTS FOR THIS PROJECT ARE AS LISTED BELOW.

<b>PUBLIC SAFETY</b>	
FIRE AND PUBLIC SAFETY	911
<b>PONTIAC AIRPORT</b>	(815) 844-2707
<b>RESIDENT ENGINEER</b>	TBD

**10. INSPECTION REQUIREMENTS**

- THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2F MAY BE USED TO AID IN THE INSPECTIONS.
- THE CONTRACTOR SHALL ATTEND A FINAL INSPECTION OF EACH PHASE WORK AREA PRIOR TO OPENING THE AREA TO AIRPORT OPERATIONS.

**11. UNDERGROUND UTILITIES**

- IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION.
- BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. AND CONTACT THE LOCAL FAA OFFICE TO ARRANGE FOR UTILITY LOCATES.

**12. PENALTIES**

- NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP AND THE CONTRACTOR'S APPROVED SPCD MAY RESULT IN FINES AS ALLOWED BY LAW.

**13. SPECIAL CONDITIONS**

- CONTRACTOR SHALL COORDINATE WITH COUNTY ENGINEER FOR ACCESS AND EGRESS ON ALL COUNTY ROADS. ANY DAMAGE TO COUNTY ROADS FROM THE CONTRACTORS OPERATIONS SHALL BE REPAIRED IN KIND AT THE CONTRACTOR'S EXPENSE.

**14. RUNWAY AND TAXIWAY VISUAL AIDS**

- RUNWAY AND/OR TAXIWAY CLOSURES ARE REQUIRED FOR THIS PROJECT. ALL RUNWAY OR TAXIWAY CLOSURES REQUESTED BY THE CONTRACTOR AND APPROVED BY THE AIRPORT, THE CONTRACTOR SHALL USE MARKING, LIGHTING AND SIGNS THAT FOLLOWING THE REQUIREMENTS OF FAA AC 150/5370-2F.

**15. MARKING AND SIGNS FOR ACCESS ROUTES**

- CONTRACTOR SHALL CLEARLY MARK ALL ACCESS AND HAUL ROUTES.

**16. HAZARD MARKING AND LIGHTING**

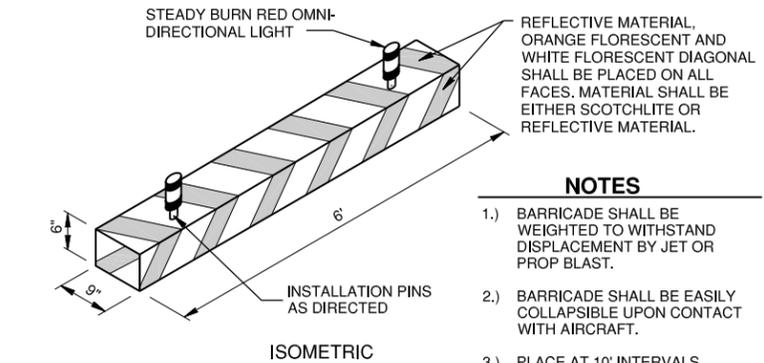
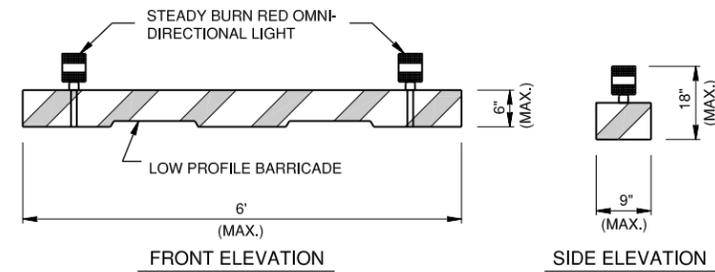
- THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCKPILES, AND HIS/HER CONSTRUCTION EQUIPMENT.
- ALL CONSTRUCTION EQUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2F AND 150/5210-5C AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM EQUIPMENT HEIGHT IS 25' UNLESS OTHERWISE COORDINATED WITH THE AIRPORT.
- BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED LIGHTS.

**17. PROTECTION**

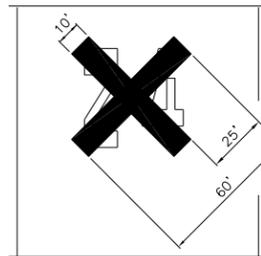
- ALL WORK WITHIN THE SAFETY AREA AND RUNWAY OBJECT FREE ZONE (ROFZ) OF THE RUNWAY WILL REQUIRE THE RUNWAY TO BE CLOSED. THE CONTRACTOR MAY CLOSE THE RUNWAY ON A DAILY BASIS WITH COORDINATION AND APPROVAL OF THE AIRPORT. THE CONTRACTOR SHALL PLACE RUNWAY CLOSURE MARKERS OVER THE NUMERALS AT EACH END OF THE RUNWAY. THE CONTRACTOR WILL ALSO BE REQUIRED TO PLACE BARRICADES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO TAKE CONTROL AND LOCKOUT ALL AIRFIELD LIGHTING PRIOR TO CLOSURE OF THE RUNWAY. AT THE END OF EACH WORKDAY THE THESE MARKERS AND BARRICADES SHALL BE REMOVED AND THE RUNWAY REOPENED. THE CONTRACTOR SHALL ALSO RETURN CONTROL OF THE AIRFIELD LIGHTING TO THE AIRPORT. COST OF RUNWAY CLOSURE MARKERS, BARRICADES, LOCKOUT OF ELECTRICAL SYSTEM, SET UP/TAKE DOWN OF RUNWAY CLOSURE MARKER, BARRICADES AND LOCKOUT OF ELECTRICAL SYSTEM SHALL BE INCIDENTAL TO THE PROJECT.
- NO OPEN TRENCHES WILL BE ALLOWED WITHIN THE SAFETY AREA OF THE RUNWAY WHILE THE RUNWAY IS OPEN.

**18. OTHER LIMITATIONS ON CONSTRUCTION**

- IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
- BROKEN CONCRETE, BROKEN ASPHALT, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.



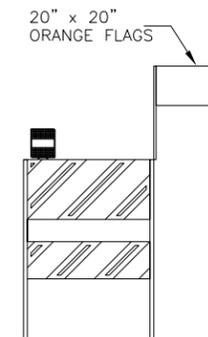
**BEAM BARRICADE DETAILS**  
N.T.S.



**ON PAVEMENT CLOSED RUNWAY MARKER DETAIL**  
N.T.S.

**NOTES**

- MARKERS SHALL BE SOLID YELLOW.
- MARKERS SHALL BE PAINTED PLYWOOD OR OTHER APPROVED SOLID MATERIALS, WEIGHTED DOWN TO PREVENT MOVEMENT.
- CONTRACTOR SHALL MAINTAIN MARKERS.
- COST OF FURNISHING, INSTALLING, MAINTAINING, RELOCATING AND REMOVING MARKERS SHALL BE INCIDENTAL TO THE CONTRACT.
- MARKERS SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS.



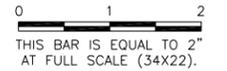
**FLASHER BARRICADE DETAIL**  
N.T.S.

**BARRICADE NOTES**

- RED LIGHTS TO BE BATTERY OPERATED. LIGHTS TO BE STEADY BURN RED OMNI-DIRECTIONAL.
- SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
- NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- PLACE AT 10' INTERVALS.

**P0018**

REVISIONS		
NUMBER	BY	DATE



**NOTES**

- BARRICADE SHALL BE WEIGHTED TO WITHSTAND DISPLACEMENT BY JET OR PROP BLAST.
- BARRICADE SHALL BE EASILY COLLAPSIBLE UPON CONTACT WITH AIRCRAFT.
- PLACE AT 10' INTERVALS.
- NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

PONTIAC MUNICIPAL AIRPORT  
PONTIAC, ILLINOIS

REHABILITATE APRON AND CONNECTING TAXIWAY

CONSTRUCTION ACTIVITY PLAN NOTES AND DETAILS

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DESIGN BY:	JEF
DRAWN BY:	JEF, ADD
CHECKED BY:	RJH
APPROVED BY:	JEF
DATE:	APRIL 18, 2014
JOB No:	1305402

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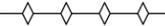
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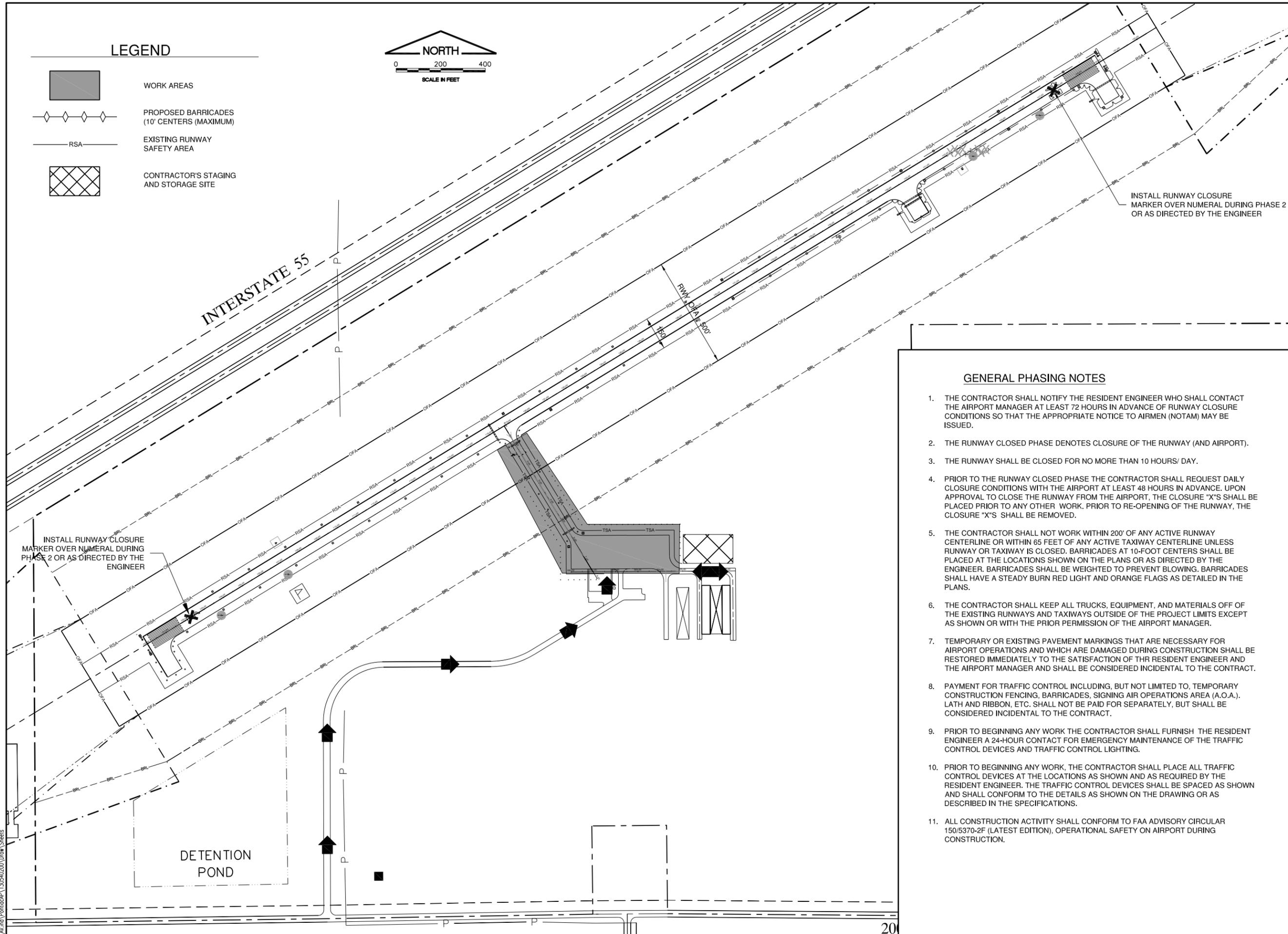
REVISIONS

NUMBER	BY	DATE

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 AT FULL SCALE (34X22).

**LEGEND**

-  WORK AREAS
-  PROPOSED BARRICADES (10' CENTERS (MAXIMUM))
-  EXISTING RUNWAY SAFETY AREA (RSA)
-  CONTRACTOR'S STAGING AND STORAGE SITE



**GENERAL PHASING NOTES**

1. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER WHO SHALL CONTACT THE AIRPORT MANAGER AT LEAST 72 HOURS IN ADVANCE OF RUNWAY CLOSURE CONDITIONS SO THAT THE APPROPRIATE NOTICE TO AIRMEN (NOTAM) MAY BE ISSUED.
2. THE RUNWAY CLOSED PHASE DENOTES CLOSURE OF THE RUNWAY (AND AIRPORT).
3. THE RUNWAY SHALL BE CLOSED FOR NO MORE THAN 10 HOURS/ DAY.
4. PRIOR TO THE RUNWAY CLOSED PHASE THE CONTRACTOR SHALL REQUEST DAILY CLOSURE CONDITIONS WITH THE AIRPORT AT LEAST 48 HOURS IN ADVANCE. UPON APPROVAL TO CLOSE THE RUNWAY FROM THE AIRPORT, THE CLOSURE "X"'S SHALL BE PLACED PRIOR TO ANY OTHER WORK. PRIOR TO RE-OPENING OF THE RUNWAY, THE CLOSURE "X"'S SHALL BE REMOVED.
5. THE CONTRACTOR SHALL NOT WORK WITHIN 200' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 65 FEET OF ANY ACTIVE TAXIWAY CENTERLINE UNLESS RUNWAY OR TAXIWAY IS CLOSED. BARRICADES AT 10-FOOT CENTERS SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. BARRICADES SHALL BE WEIGHTED TO PREVENT BLOWING. BARRICADES SHALL HAVE A STEADY BURN RED LIGHT AND ORANGE FLAGS AS DETAILED IN THE PLANS.
6. THE CONTRACTOR SHALL KEEP ALL TRUCKS, EQUIPMENT, AND MATERIALS OFF OF THE EXISTING RUNWAYS AND TAXIWAYS OUTSIDE OF THE PROJECT LIMITS EXCEPT AS SHOWN OR WITH THE PRIOR PERMISSION OF THE AIRPORT MANAGER.
7. TEMPORARY OR EXISTING PAVEMENT MARKINGS THAT ARE NECESSARY FOR AIRPORT OPERATIONS AND WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED IMMEDIATELY TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE AIRPORT MANAGER AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
8. PAYMENT FOR TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO, TEMPORARY CONSTRUCTION FENCING, BARRICADES, SIGNING AIR OPERATIONS AREA (A.O.A.), LATH AND RIBBON, ETC. SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
9. PRIOR TO BEGINNING ANY WORK THE CONTRACTOR SHALL FURNISH THE RESIDENT ENGINEER A 24-HOUR CONTACT FOR EMERGENCY MAINTENANCE OF THE TRAFFIC CONTROL DEVICES AND TRAFFIC CONTROL LIGHTING.
10. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL PLACE ALL TRAFFIC CONTROL DEVICES AT THE LOCATIONS AS SHOWN AND AS REQUIRED BY THE RESIDENT ENGINEER. THE TRAFFIC CONTROL DEVICES SHALL BE SPACED AS SHOWN AND SHALL CONFORM TO THE DETAILS AS SHOWN ON THE DRAWING OR AS DESCRIBED IN THE SPECIFICATIONS.
11. ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO FAA ADVISORY CIRCULAR 150/5370-2F (LATEST EDITION), OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION.

PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS

REHABILITATE APRON AND CONNECTING TAXIWAY  
 CONSTRUCTION ACTIVITY PLAN



DESIGN BY:	JEF
DRAWN BY:	JEF, ADD
CHECKED BY:	RJH
APPROVED BY:	JEF
DATE:	APRIL 18, 2014
JOB No:	1305402
IL PROJ. NO.	PNT-4142
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SHEET	4 OF 17 SHEETS

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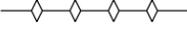
0 1 2  
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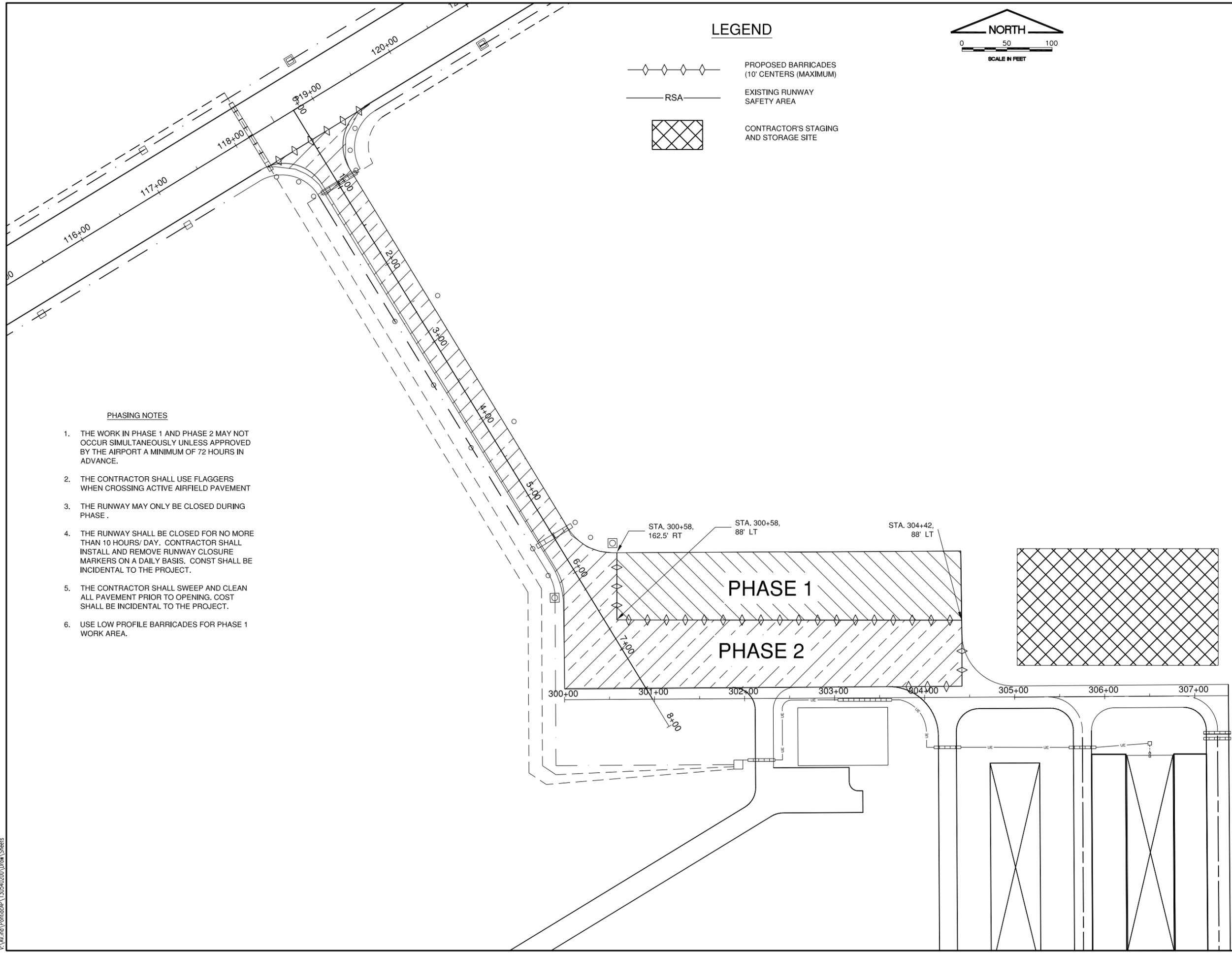
**PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS  
 REHABILITATE APRON AND CONNECTING TAXIWAY  
 CONSTRUCTION PHASING PLAN**

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APPROVED BY:	JEF
DATE:	APRIL 18, 2014
JOB No:	1305402
IL PROJ. NO. PNT-4142 AIP PROJ. NO. 3-17-SBGP-XX	
SHEET	5 OF 17 SHEETS

**LEGEND**

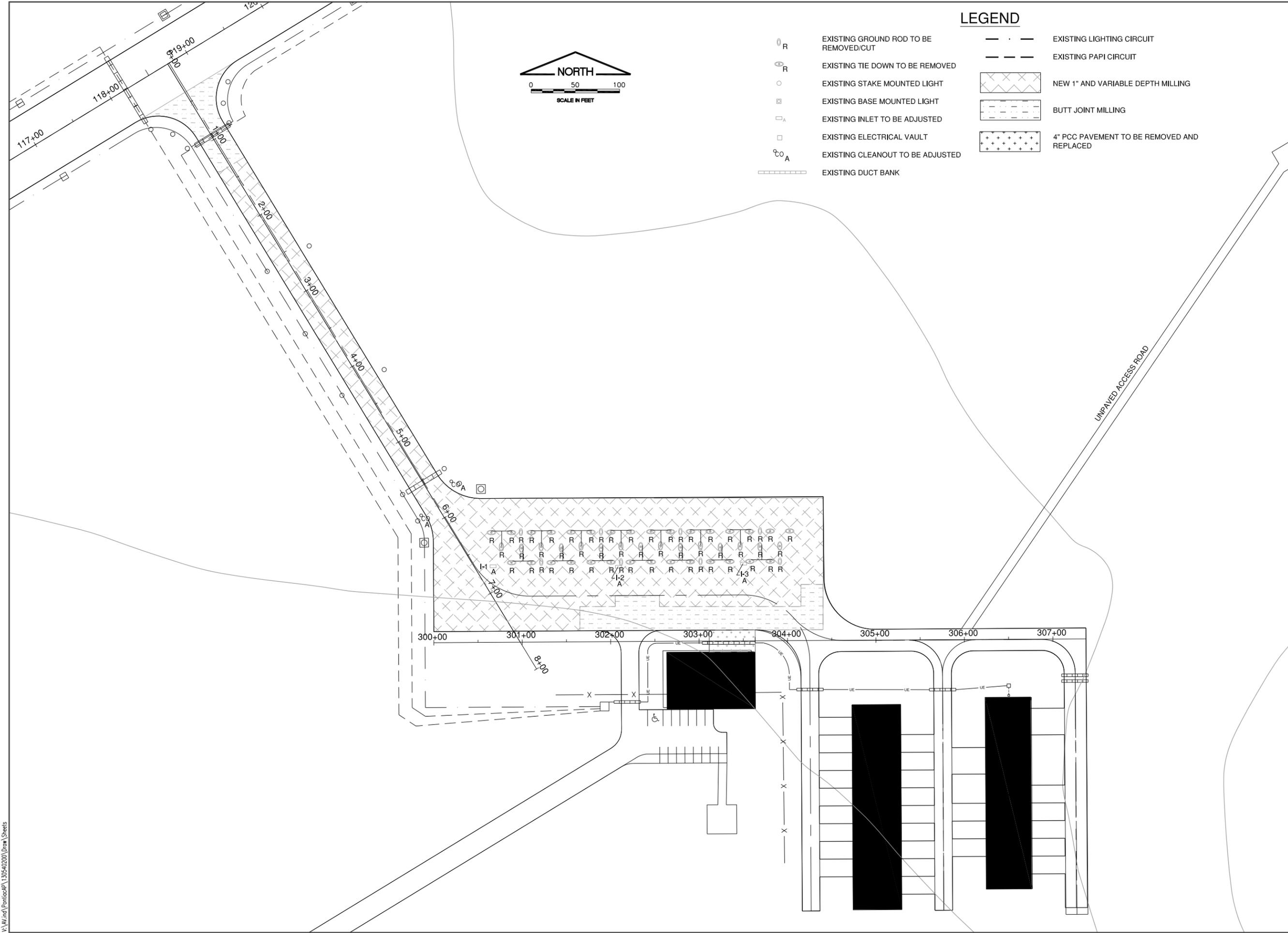
-  PROPOSED BARRICADES (10' CENTERS (MAXIMUM))
-  EXISTING RUNWAY SAFETY AREA
-  CONTRACTOR'S STAGING AND STORAGE SITE



**PHASING NOTES**

1. THE WORK IN PHASE 1 AND PHASE 2 MAY NOT OCCUR SIMULTANEOUSLY UNLESS APPROVED BY THE AIRPORT A MINIMUM OF 72 HOURS IN ADVANCE.
2. THE CONTRACTOR SHALL USE FLAGGERS WHEN CROSSING ACTIVE AIRFIELD PAVEMENT
3. THE RUNWAY MAY ONLY BE CLOSED DURING PHASE .
4. THE RUNWAY SHALL BE CLOSED FOR NO MORE THAN 10 HOURS/ DAY. CONTRACTOR SHALL INSTALL AND REMOVE RUNWAY CLOSURE MARKERS ON A DAILY BASIS. CONST SHALL BE INCIDENTAL TO THE PROJECT.
5. THE CONTRACTOR SHALL SWEEP AND CLEAN ALL PAVEMENT PRIOR TO OPENING. COST SHALL BE INCIDENTAL TO THE PROJECT.
6. USE LOW PROFILE BARRICADES FOR PHASE 1 WORK AREA.

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**LEGEND**

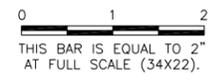
-  EXISTING GROUND ROD TO BE REMOVED/CUT
-  EXISTING TIE DOWN TO BE REMOVED
-  EXISTING STAKE MOUNTED LIGHT
-  EXISTING BASE MOUNTED LIGHT
-  EXISTING INLET TO BE ADJUSTED
-  EXISTING ELECTRICAL VAULT
-  EXISTING CLEANOUT TO BE ADJUSTED
-  EXISTING DUCT BANK
-  EXISTING LIGHTING CIRCUIT
-  EXISTING PAPI CIRCUIT
-  NEW 1" AND VARIABLE DEPTH MILLING
-  BUTT JOINT MILLING
-  4" PCC PAVEMENT TO BE REMOVED AND REPLACED

FILE: 6 EXISTING CONDITIONS.dwg  
 UPDATE BY: Jason Frank  
 PLOT DATE: 4/25/2014 2:18 PM

BASELINE  
 PontBASE  
 1305402-V-VF2D  
 PNT Topo Base

**P0018**

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**PONTIAC MUNICIPAL AIRPORT**  
**PONTIAC, ILLINOIS**

**REHABILITATE APRON AND CONNECTING TAXIWAY**  
**EXISTING CONDITIONS & REMOVALS**

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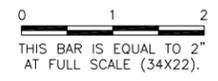
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SHEET	6 OF 17 SHEETS

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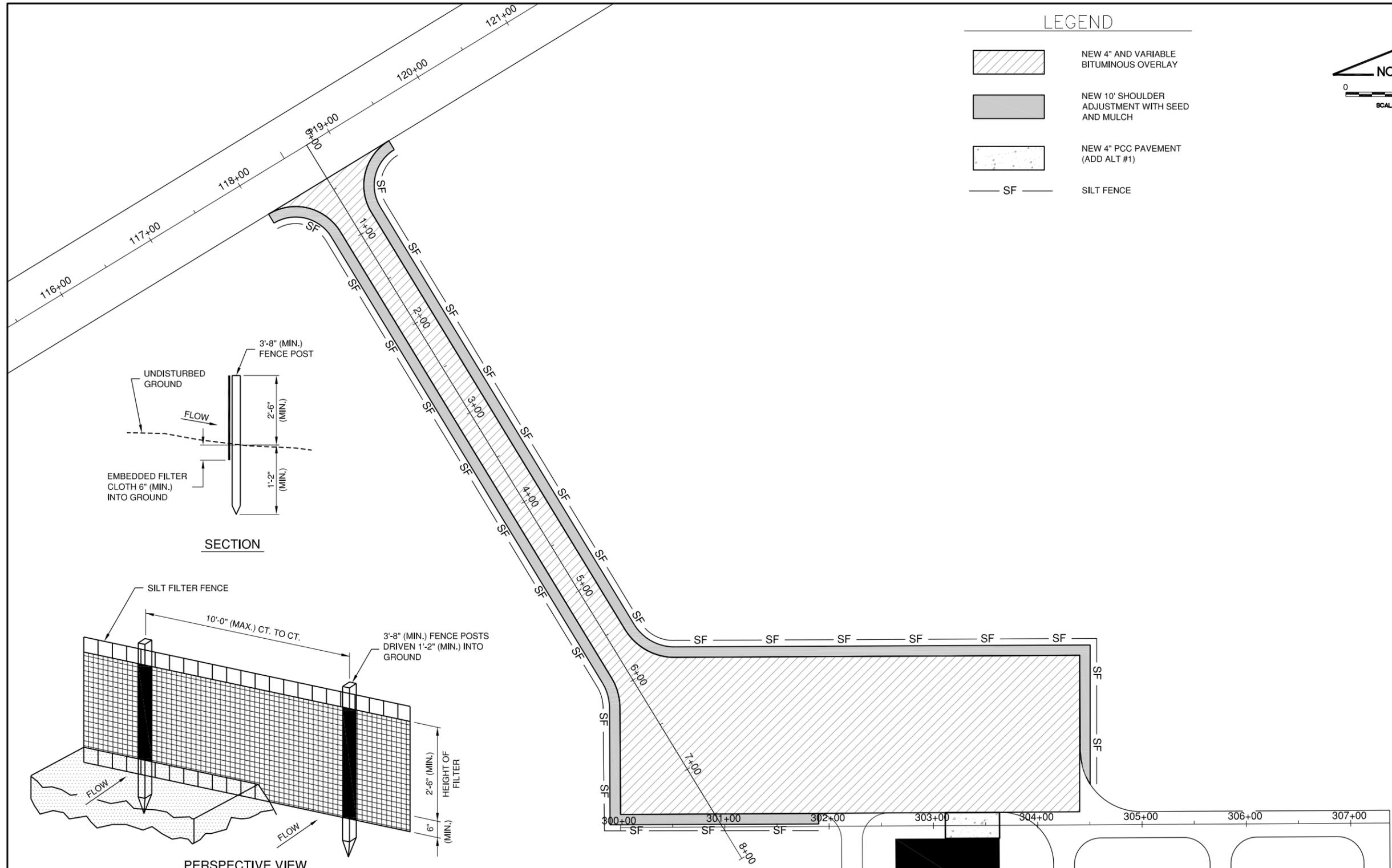
**P0018**

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**LEGEND**

-  NEW 4" AND VARIABLE BITUMINOUS OVERLAY
-  NEW 10' SHOULDER ADJUSTMENT WITH SEED AND MULCH
-  NEW 4" PCC PAVEMENT (ADD ALT #1)
-  SILT FENCE



**SECTION**

**PERSPECTIVE VIEW**

**EROSION CONTROL FABRIC FENCE DETAILS**  
N.T.S.

**EROSION CONTROL FABRIC FENCE NOTES**

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 2'-0" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" MINIMUM AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. MAINTENANCE, WHICH INCLUDES THE REPLACEMENT OF DAMAGED FENCE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE EROSION CONTROL FENCE.

**PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS  
 REHABILITATE APRON AND CONNECTING TAXIWAY  
 PROPOSED IMPROVEMENTS**

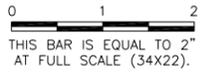
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SHEET	7 OF 17 SHEETS

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**PO018**

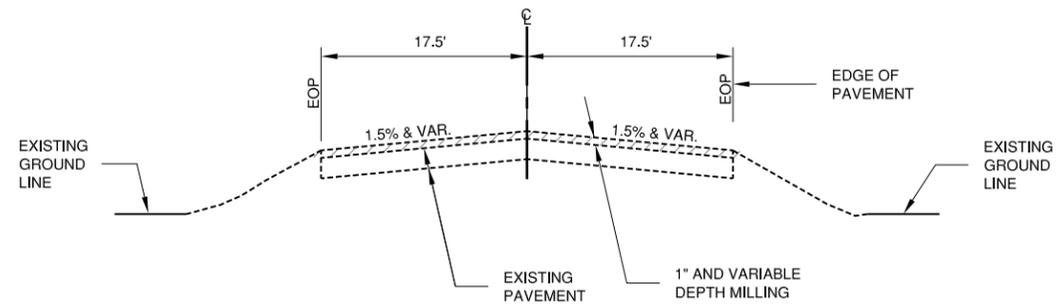
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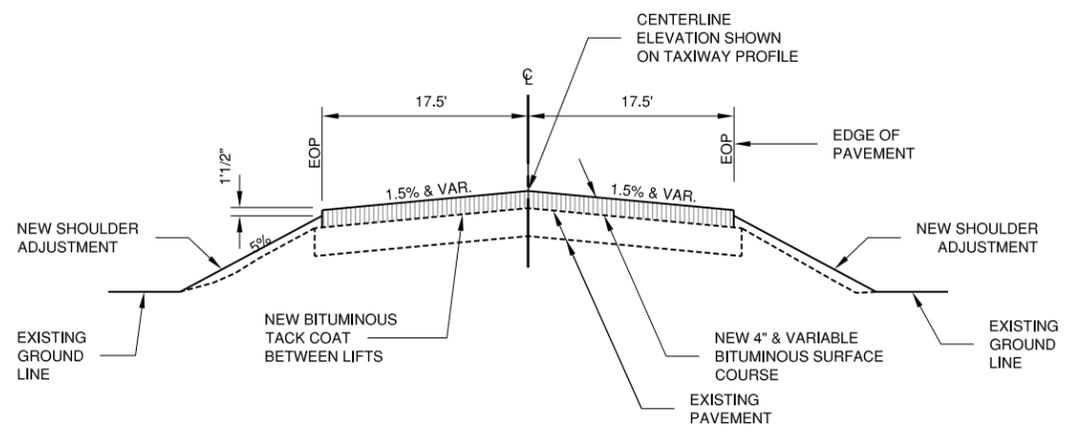
**PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS  
 REHABILITATE APRON AND CONNECTING TAXIWAY  
 TYPICAL SECTIONS**

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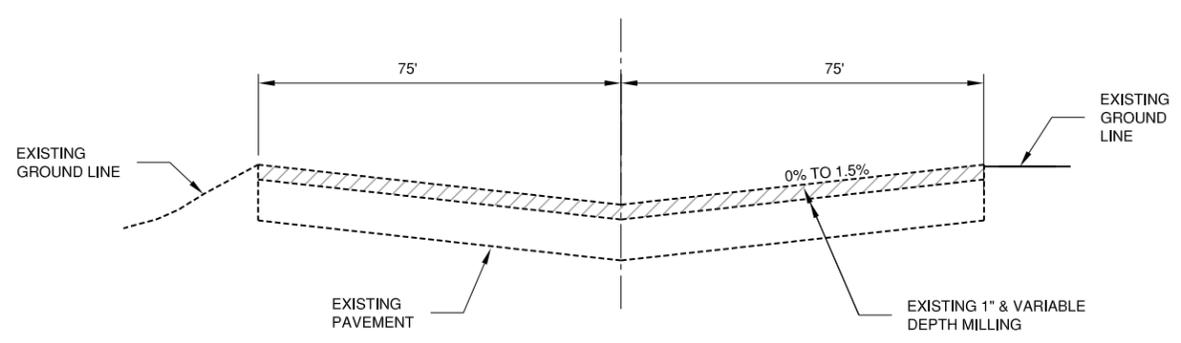
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SHEET	8 OF 17 SHEETS



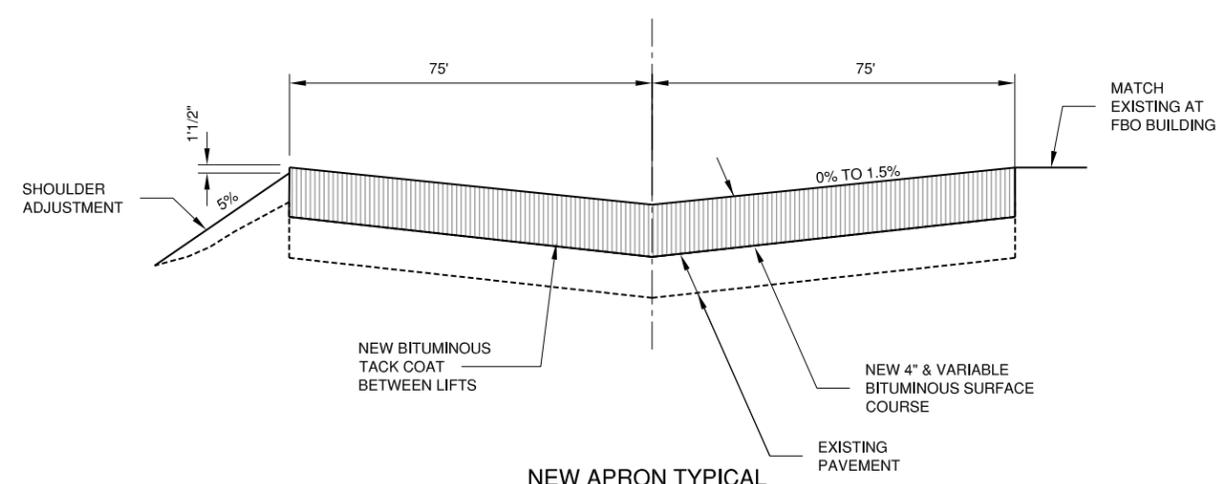
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N.T.S.



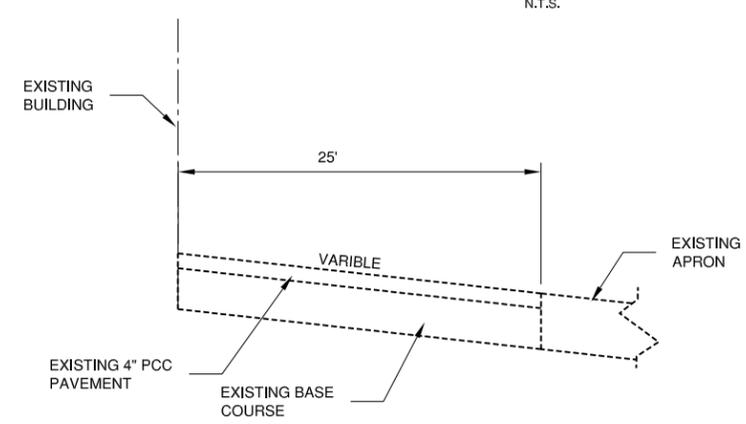
**NEW TAXIWAY TYPICAL SECTION**  
N.T.S.



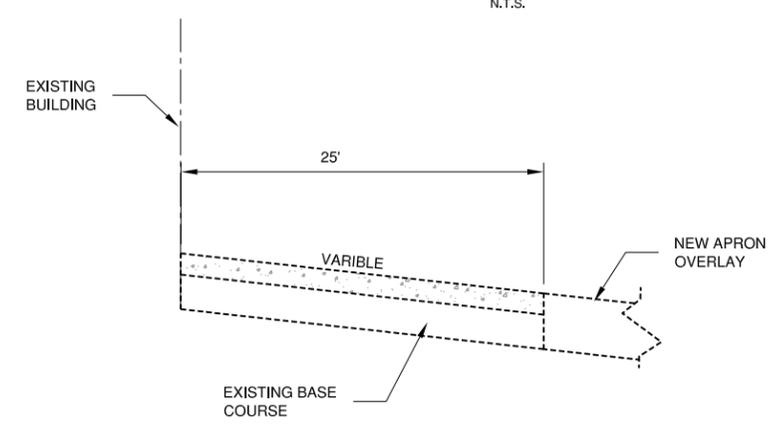
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N.T.S.



**NEW APRON TYPICAL SECTION**  
N.T.S.



**EXISTING 4\"/>**



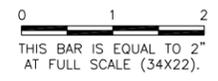
**NEW 4\"/>**

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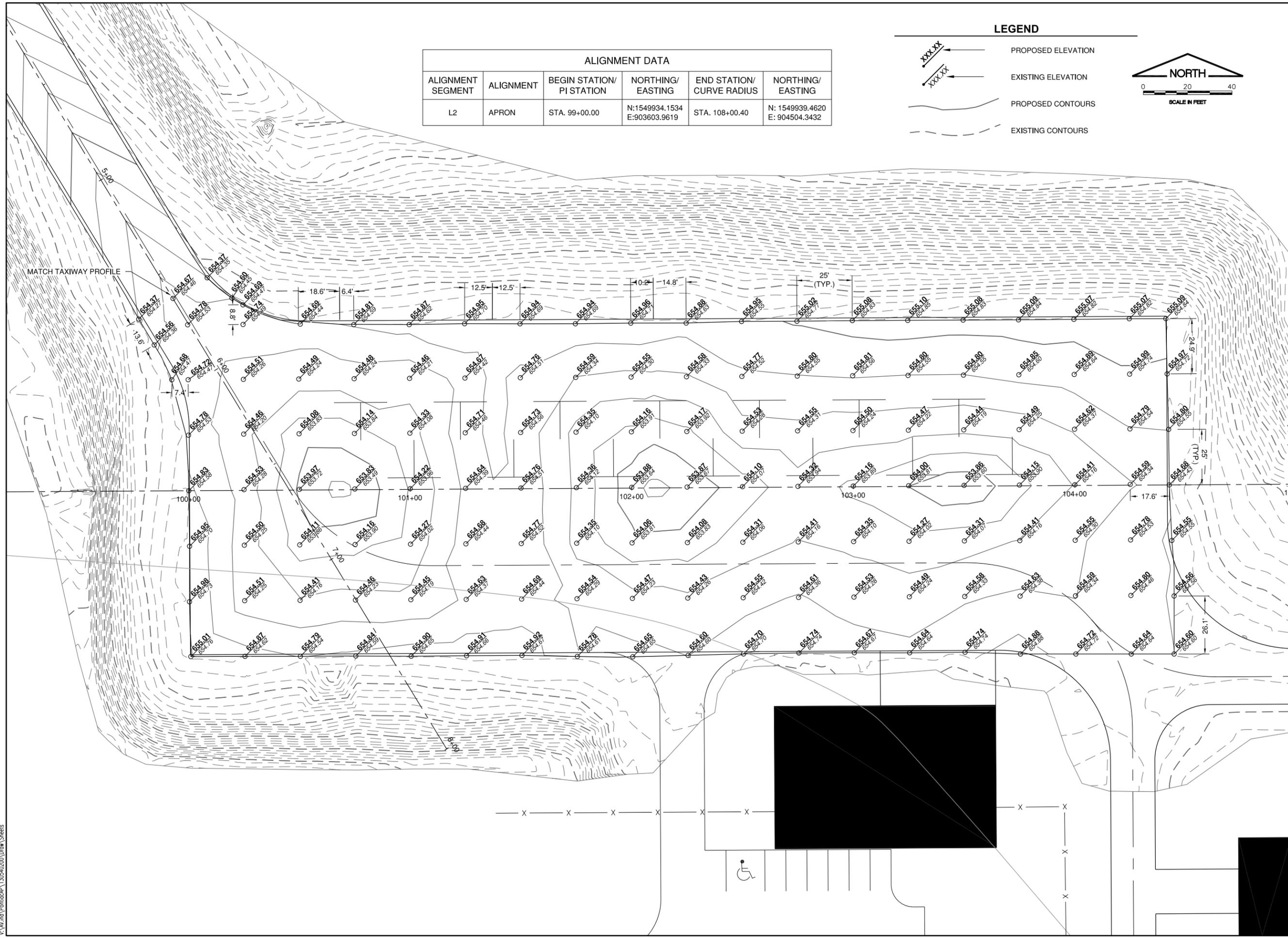
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ALIGNMENT DATA					
ALIGNMENT SEGMENT	ALIGNMENT	BEGIN STATION/ PI STATION	NORTHING/ EASTING	END STATION/ CURVE RADIUS	NORTHING/ EASTING
L2	APRON	STA. 99+00.00	N:1549934.1534 E:903603.9619	STA. 108+00.40	N: 1549939.4620 E: 904504.3432

**LEGEND**

- PROPOSED ELEVATION
- EXISTING ELEVATION
- PROPOSED CONTOURS
- EXISTING CONTOURS



**PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS**

**REHABILITATE APRON AND CONNECTING TAXIWAY  
 APRON STAKING PLAN 1**

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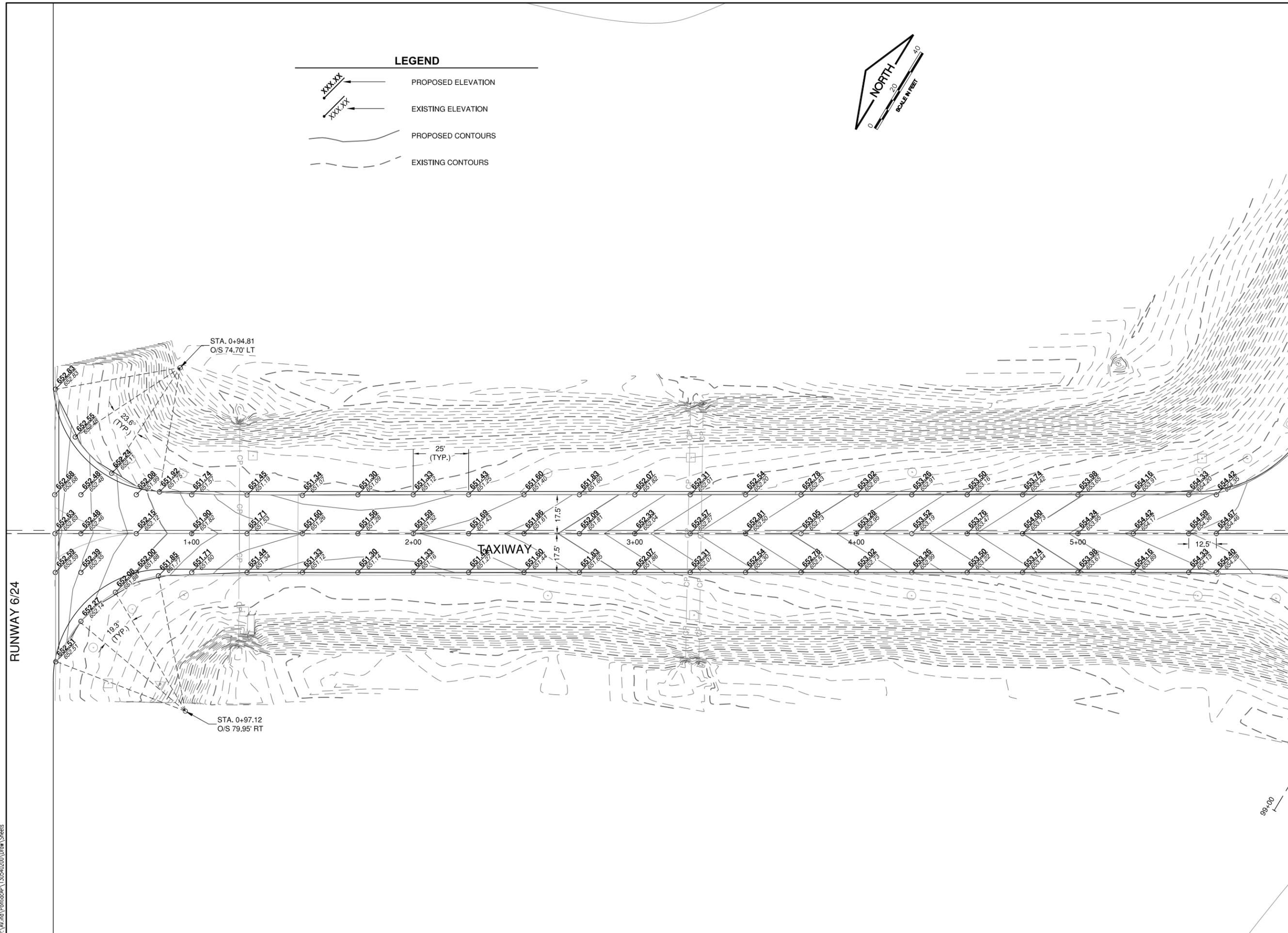
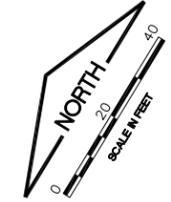
**P0018**

REVISIONS		
NUMBER	BY	DATE

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

**LEGEND**

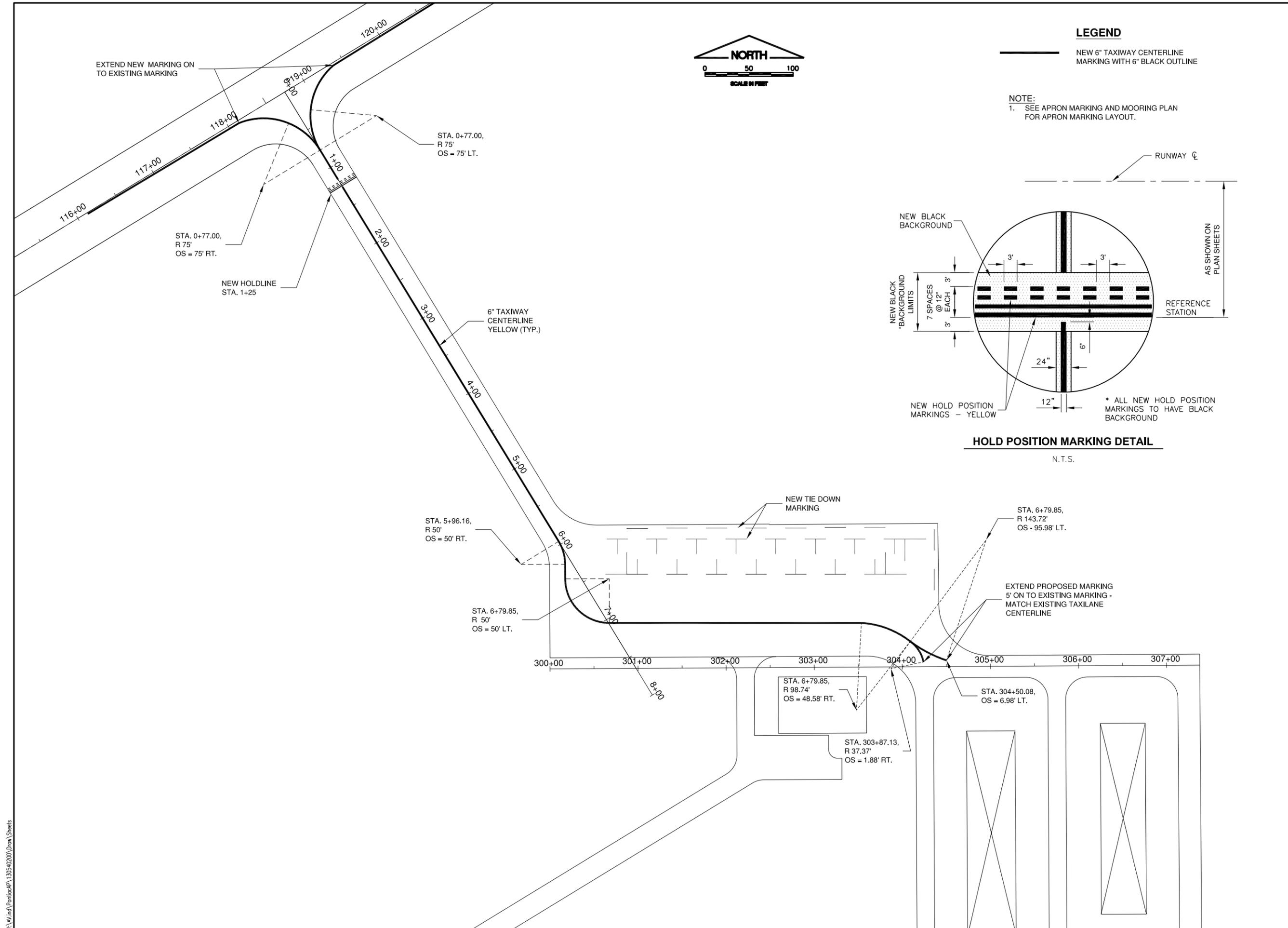
- PROPOSED ELEVATION
- EXISTING ELEVATION
- PROPOSED CONTOURS
- EXISTING CONTOURS



**PONTIAC MUNICIPAL AIRPORT**  
**PONTIAC, ILLINOIS**  
**REHABILITATE APRON AND CONNECTING TAXIWAY**  
**APRON STAKING PLAN 2**

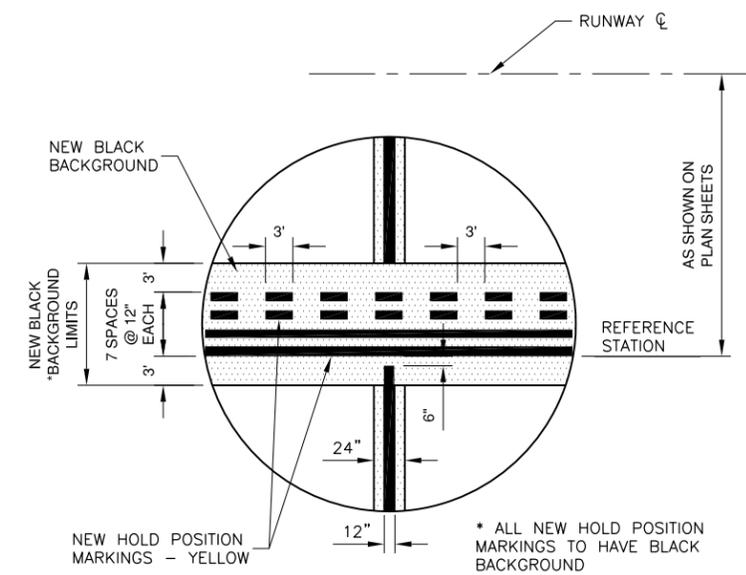
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SHEET	11 OF 17 SHEETS



**LEGEND**  
 ——— NEW 6" TAXIWAY CENTERLINE MARKING WITH 6" BLACK OUTLINE

**NOTE:**  
 1. SEE APRON MARKING AND MOORING PLAN FOR APRON MARKING LAYOUT.



**HOLD POSITION MARKING DETAIL**

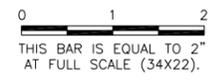
N.T.S.

FILE: MARKING PLAN.dwg  
 UPDATE BY: Jason Frank  
 PLOT DATE: 4/25/2014 2:21 PM

PontBASE  
 BASELINE  
 PROPMARK

**P0018**

REVISIONS		
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**PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS  
 REHABILITATE APRON AND CONNECTING TAXIWAY  
 MARKING PLAN**

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SHEET	12 OF 17 SHEETS

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PontBASE  
 BASELINE  
 PROPMARK

**PO018**

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

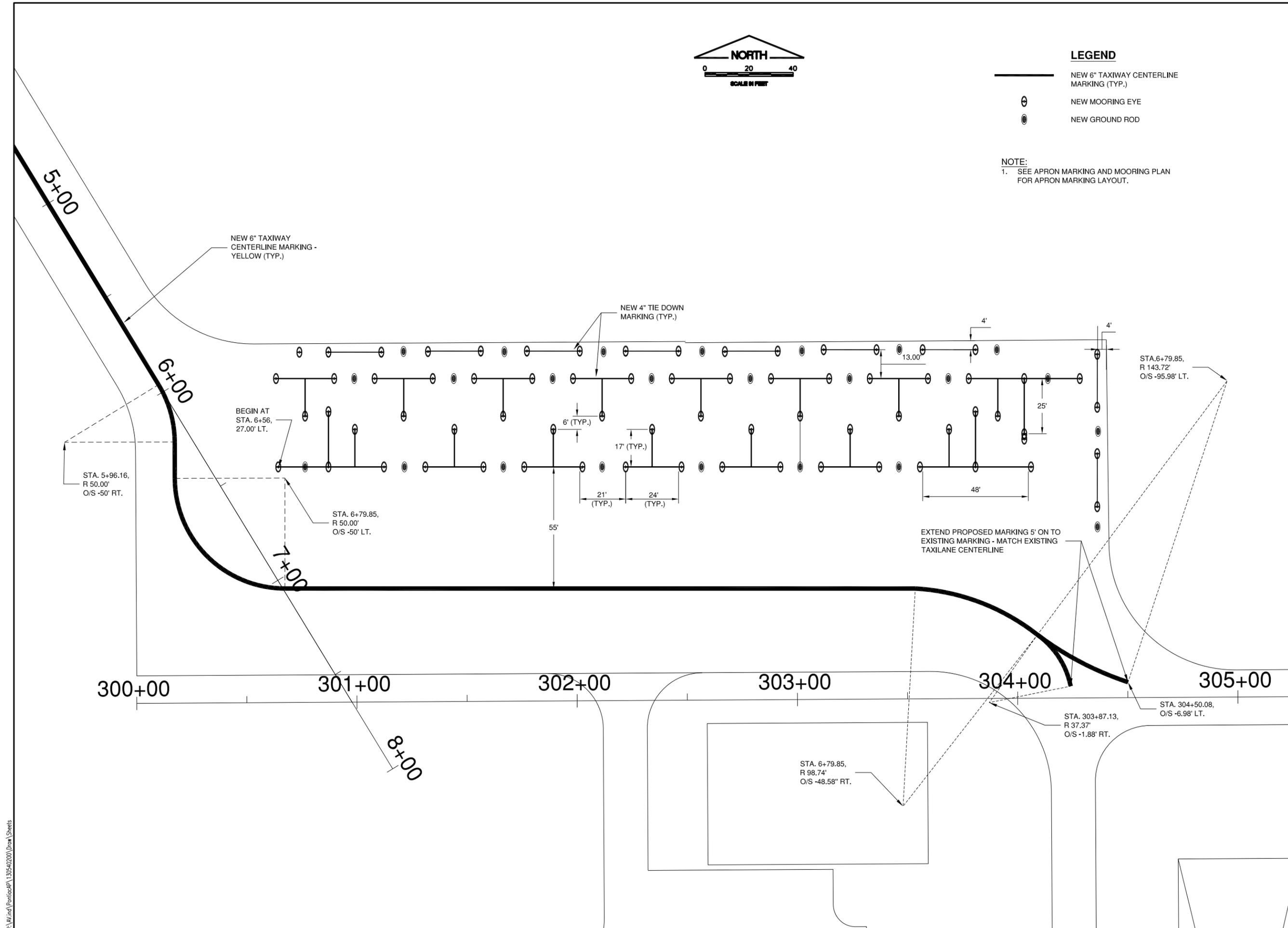


**LEGEND**

- NEW 6" TAXIWAY CENTERLINE MARKING (TYP.)
- NEW MOORING EYE
- NEW GROUND ROD

**NOTE:**

1. SEE APRON MARKING AND MOORING PLAN FOR APRON MARKING LAYOUT.



PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS

REHABILITATE APRON AND CONNECTING TAXIWAY  
 APRON MARKING AND MOORING PLAN

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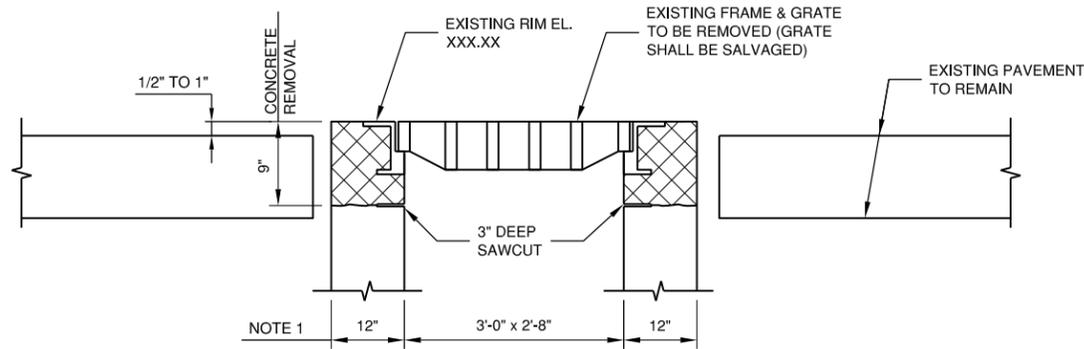
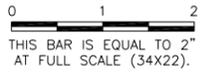
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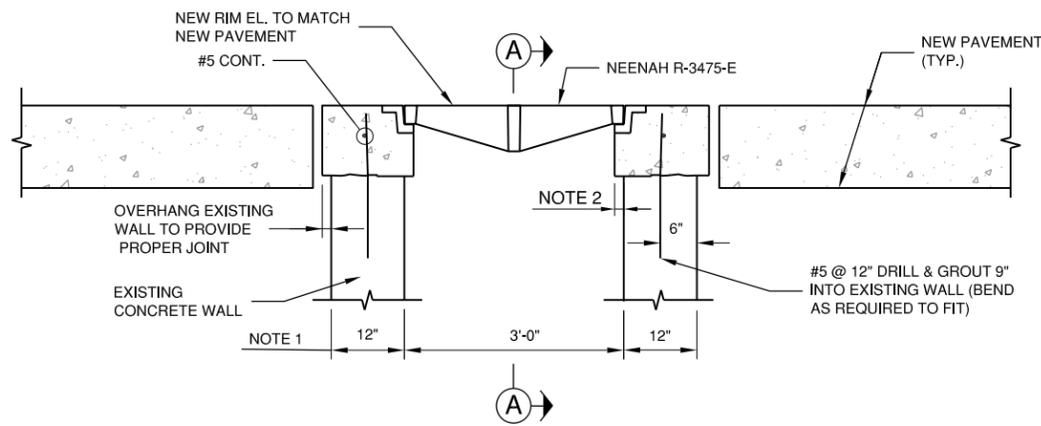


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**REMOVAL**

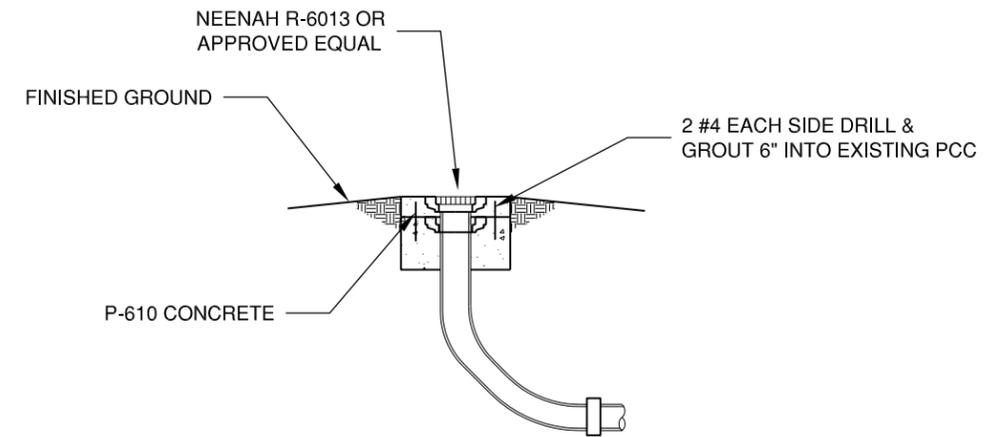


**REPLACEMENT**

**NOTES**

- EXISTING STRUCTURE DIMENSIONS ARE TAKEN FROM RECORD DRAWINGS. ALL DIMENSIONS SHALL BE MEASURED IN FIELD BY CONTRACTOR PRIOR TO SUBMITTING SHOP DRAWINGS.
- NEW CONCRETE WALL REPLACEMENT SHALL BE TAPERED OR OVERHANG EXISTING WALL TO ACCOMMODATE NEW GRATE FRAME.
- EXISTING CONCRETE SURFACES WHICH ARE TO RECEIVE NEW CONCRETE SHALL BE CLEANED PRIOR TO APPLYING BONDING AGENT.

INLET ADJUSTMENT ELEVATION		
	EXISTING ELEVATION	PROPOSED ELEVATION
(I-1)	653.49	653.73
(I-2)	653.46	653.70
(I-3)	653.60	653.84



**UNDERDRAIN  
ADJUSTMENT  
DETAIL**

**PONTIAC MUNICIPAL AIRPORT  
PONTIAC, ILLINOIS  
REHABILITATE APRON AND CONNECTING TAXIWAY  
DRAINAGE DETAILS**

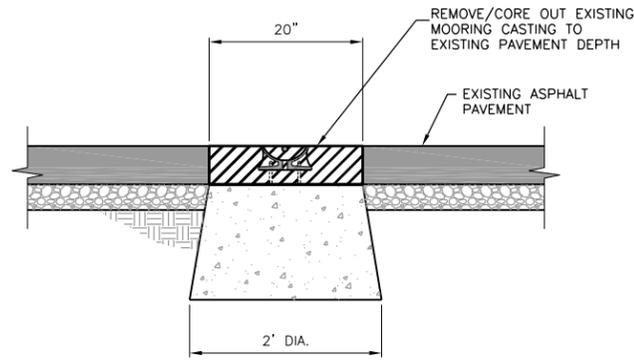
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SHEET	15 OF 17 SHEETS

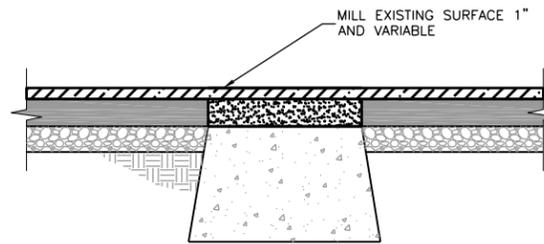
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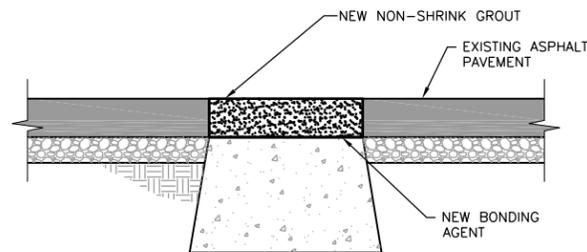
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 AT FULL SCALE (34X22).



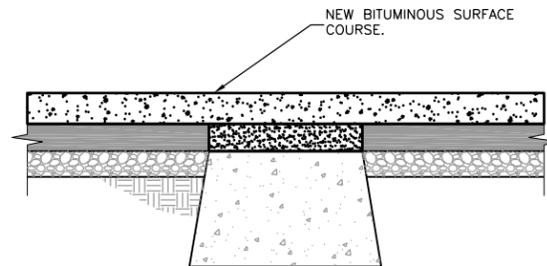
**REMOVAL DETAIL 1**



**REMOVAL DETAIL 3**



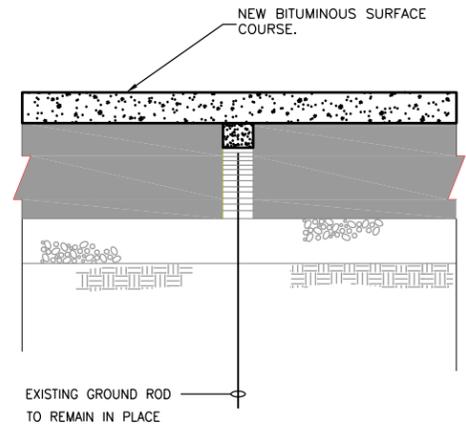
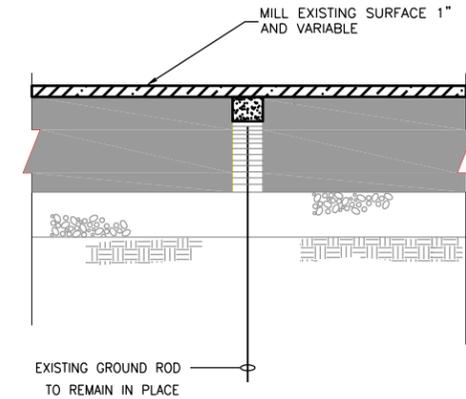
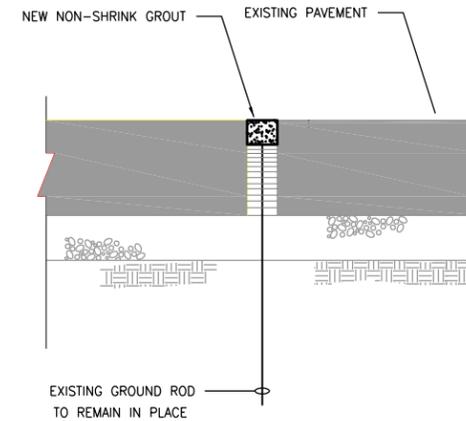
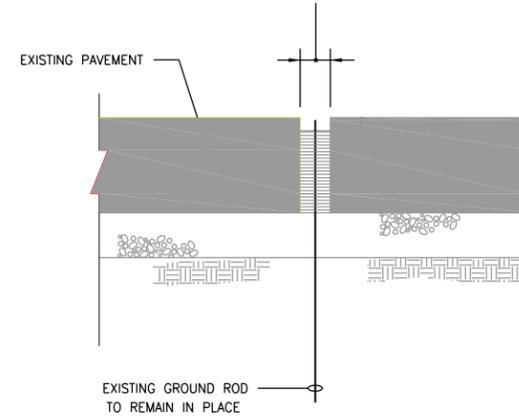
**REMOVAL DETAIL 2**



**REMOVAL DETAIL 4**

MOORING REMOVAL DETAIL

CORE OUT EXISTING GROUT AND DRIVE GROUND ROD MIN OF 4"  
 BELOW EXISTING SURFACE. FILL VOID WITH NONSHRINK GROUT



GROUND ROD DEMO DETAIL

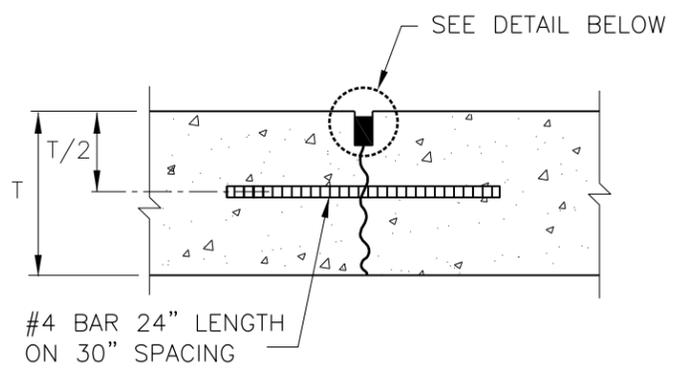
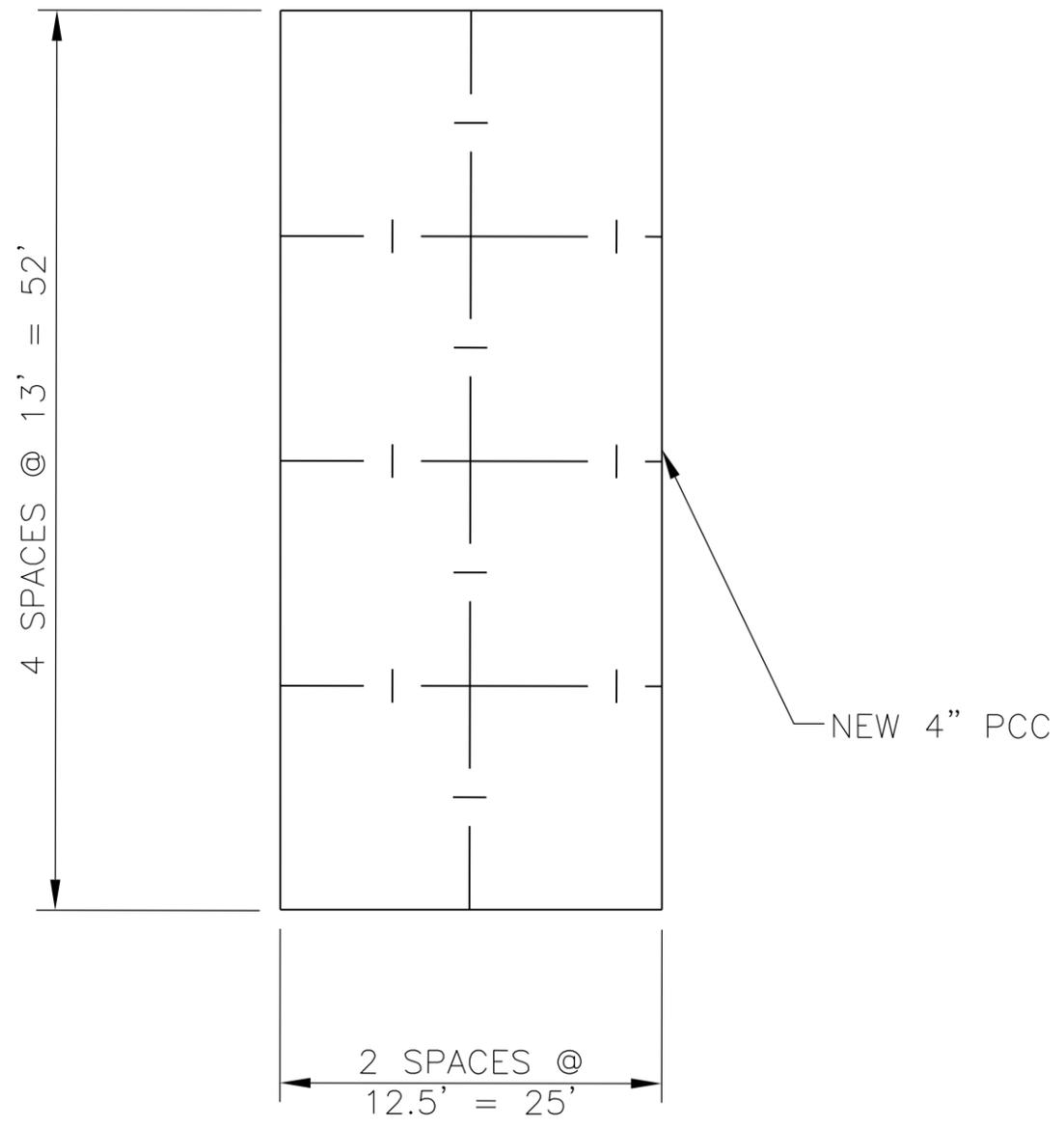
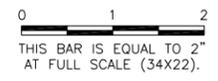
**PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS  
 REHABILITATE APRON AND CONNECTING TAXIWAY  
 REMOVAL DETAILS**

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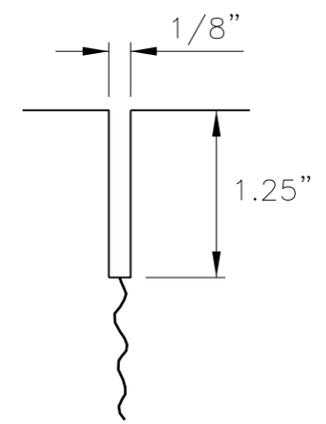
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**HINGED (TIED) JOINT**

SYMBOL —|—|—



**SAWCUT DETAIL**

PONTIAC MUNICIPAL AIRPORT  
 PONTIAC, ILLINOIS  
 REHABILITATE APRON AND CONNECTING TAXIWAY  
 PCC PAVEMENT DETAILS

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SHEET 17 OF 17 SHEETS	