

PRELIMINARY CONSTRUCTION PLANS
FOR
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

ILLINOIS PROJECT NO. PNT-4107
AIP PROJECT NO. 3-17-0148-B8

CONSTRUCT T-HANGAR APPROACH PAVEMENTS

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
BASE BID			
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	500
AR156410	SILT FENCE	L.F.	500
AR209608	CRUSHED AGG. BASE COURSE-8"	S.Y.	1850
AR401611	BIT. SURFACE COURSE-METHOD 1	TON	465
AR602510	BITUMINOUS PRIME COAT	GAL	463
AR603510	BITUMINOUS TACK COAT	GAL	183
AR620510	PAVEMENT MARKING	SF	225
AR901510	SEEDING	ACRE	0.5
AR908510	MULCHING	ACRE	0.5

INDEX TO SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	SITE PLAN
3	EXISTING CONDITIONS
4	PROPOSED IMPROVEMENTS
5	PAVING DETAILS

MARCH 4, 2011

UNICOM FREQUENCY 122.8

DESIGN DATA

GEOMETRIC DESIGN DATA

DESIGN GROUP - II
WING SPAN - 49 FEET UP TO BUT NOT INCLUDING 79 FEET.

DESIGN APPROACH CATEGORY - B

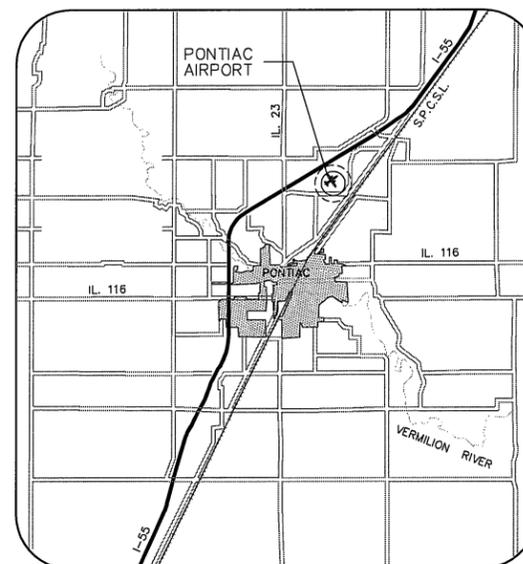
STRUCTURAL DESIGN DATA

AIRCRAFT GROSS WEIGHT - 30,000 LBS.
SINGLE WHEEL AIRCRAFT

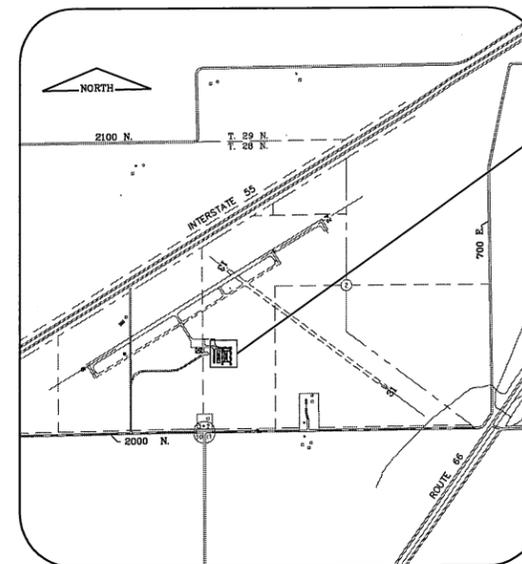
CALL J.U.L.I.E.
BEFORE EXCAVATING
1-800-892-0123

PONTIAC MUNICIPAL AIRPORT

TOWNSHIP: T28N
RANGE: R5E
COUNTY: LIVINGSTON
TOWNSHIP: PONTIAC
LOCATION: 1 MILE EAST OF RTE. 23
OVERPASS ON INTERSTATE 55
SECTION 3



LOCATION MAP



SITE PLAN

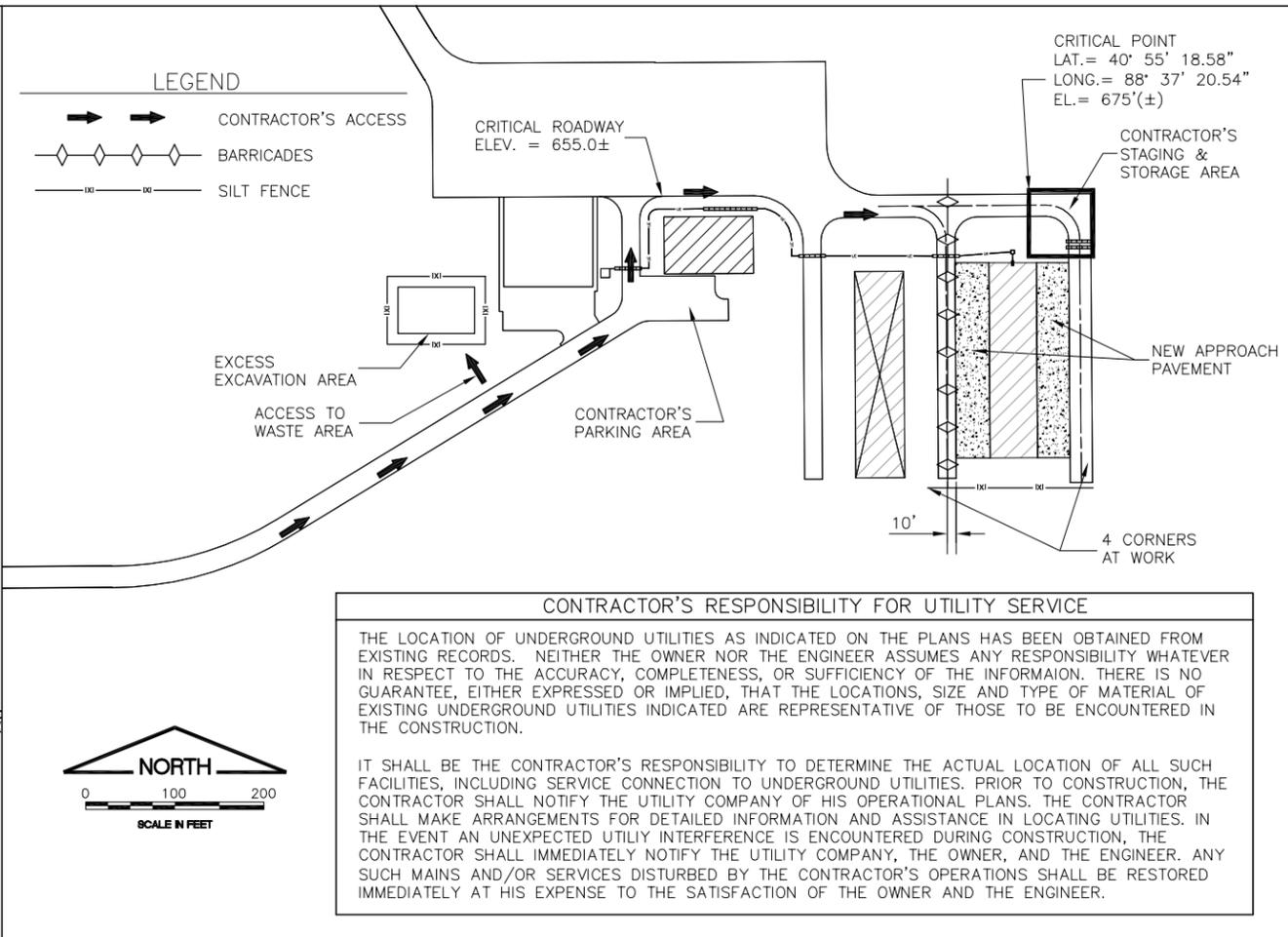
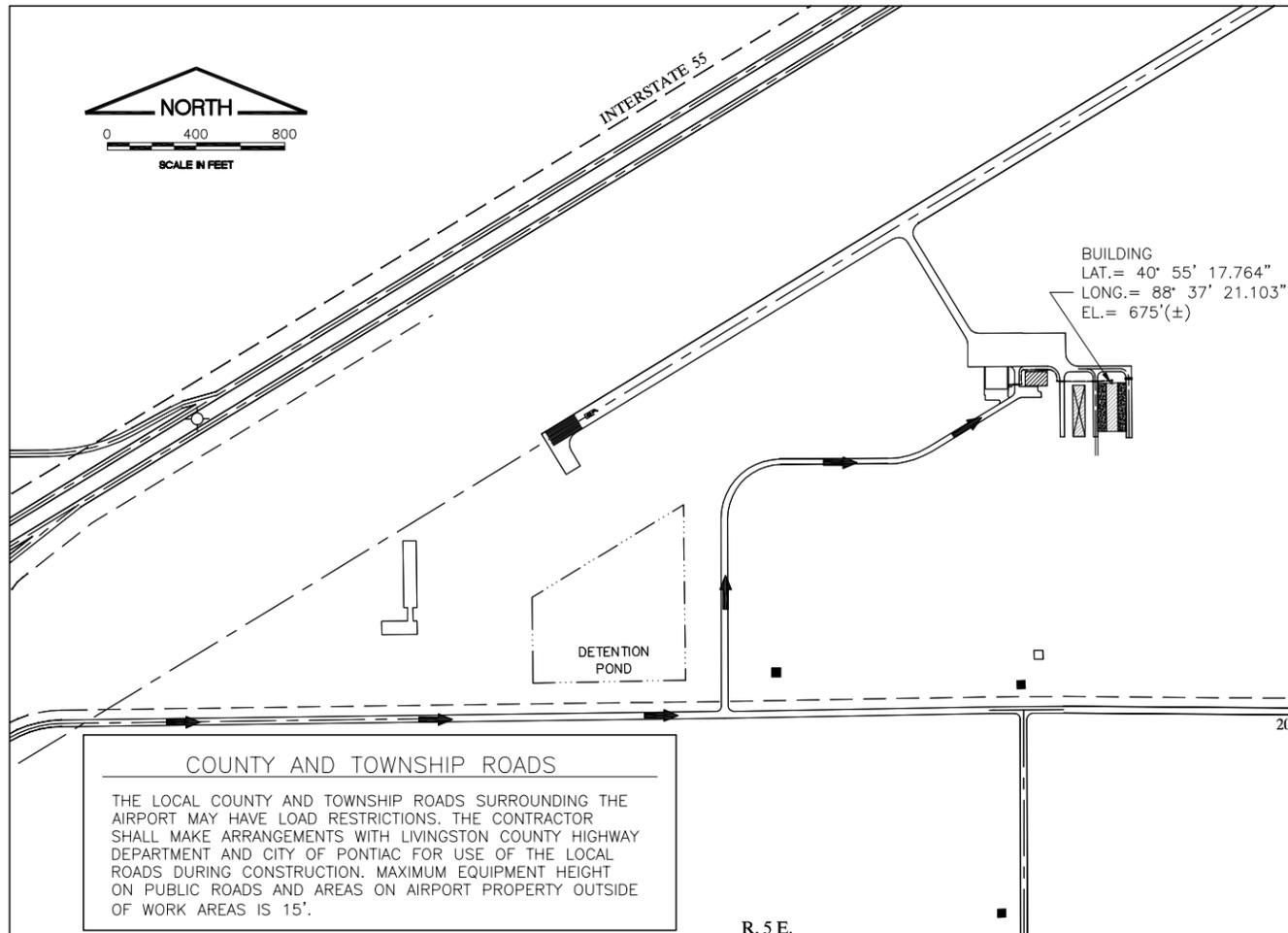
T-HANGAR APPROACH
PAVEMENT SITE



MAXIMUM EQUIPMENT HEIGHT
25 FEET



SUBMITTED BY: *Jason E. Frank*
DATE: MARCH 2, 2011
CM&T JOB NUMBER 10054-02



V:\AW.sp\Pontiac\100540200\Draw\Sheets
 FILE: SITE PLAN.dwg
 UPDATE BY: Dale Draughan
 PLOT DATE: 2/28/2011 1:33 PM
 PontBASE

P0016

REVISIONS		
NUMBER	BY	DATE

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

COUNTY AND TOWNSHIP ROADS

THE LOCAL COUNTY AND TOWNSHIP ROADS SURROUNDING THE AIRPORT MAY HAVE LOAD RESTRICTIONS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH LIVINGSTON COUNTY HIGHWAY DEPARTMENT AND CITY OF PONTIAC FOR USE OF THE LOCAL ROADS DURING CONSTRUCTION. MAXIMUM EQUIPMENT HEIGHT ON PUBLIC ROADS AND AREAS ON AIRPORT PROPERTY OUTSIDE OF WORK AREAS IS 15'.

CONTRACTOR'S RESPONSIBILITY FOR UTILITY SERVICE

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE 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 CONNECTION TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

R. 5 E.

GENERAL NOTES

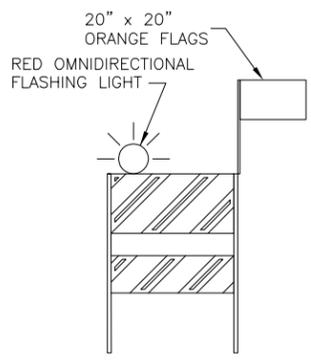
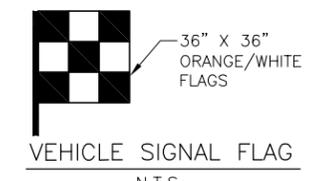
- ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THIS SITE PLAN OR AS DIRECTED BY THE AIRPORT MANAGER. THE UNICOM FREQUENCY IS 122.8 MEGAHERTZ.
- THE CONTRACTOR ACTIVITY ON THE AIRFIELD SHALL BE LIMITED TO THE LIMITS OF CONSTRUCTION AS SHOWN ON THIS SITE PLAN. BEYOND THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL NOT HAVE ACCESS TO ANY OF THE ACTIVE AIRFIELD PAVEMENT.
- WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL APPROVAL OF CONSTRUCTION SEQUENCING LIE WITH THE FAA. MODIFICATIONS TO THE APPROVED CONSTRUCTION ACTIVITY PLAN MUST BE APPROVED BY THE FAA, AND TYPICAL REQUIRES A MINIMUM 60 DAY APPROVAL PROCESS.
- THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS OUTSIDE THE RUNWAY SAFETY AREA (RSAs) AND OBSTACLE FREE ZONES (OFAs). EQUIPMENT AND MATERIALS SHALL NOT BE STORED ON CLOSED RUNWAY AND TAXIWAYS. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT, AND MATERIALS AT THE LOCATION SHOWN ON THIS SITE PLAN. THE MAXIMUM HEIGHT OF EQUIPMENT, MATERIALS AND STOCKPILES SHALL NOT BE MORE THAN 25' ABOVE EXISTING GROUND LEVEL. THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A MANNER AS NOT TO VIOLATE AIRPORT PART 77 SURFACES.
- BROKEN OR WASTE CONCRETE (BITUMINOUS OR PCC) SHALL BE DISPOSED OF BY THE CONTRACTOR OFF AIRPORT PROPERTY, ONLY EARTH AND VEGATIVE MATERIALS MAY BE STORED AT THE EXCESS EARTH SITE SHOWN.
- VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED BEYOND THE CONSTRUCTION LIMITS AS IDENTIFIED ON THE SITE PLAN.
- ALL PAVEMENTS, DRIVES AND OTHER AREAS USED BY THE CONTRACTOR FOR HAUL ROADS AND STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF AIRPORT MANAGER. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE COMPLETELY RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE AIRPORT MANAGER.
- REFER TO THIS SHEET AND THE SPECIFICATIONS FOR REQUIREMENTS CONCERNING COORDINATION OF CONSTRUCTION ACTIVITIES.
- EMERGENCY VEHICLES SHALL HAVE COMPLETE ACCESS TO THE ENTIRE AIRFIELD AT ALL TIMES INCLUDING THE CLOSURE AREAS.
- THE CONTRACTOR IS REQUIRED TO GIVE 72 HOURS NOTICE TO THE AIRPORT MANAGER PRIOR TO CLOSING ANY PAVEMENTS.
- AT THE PRECONSTRUCTION MEETING, CONTRACTOR SHALL SUPPLY THE AIRPORT MANAGER WITH PROPOSED CLOSURE AND PHASING DATES FOR HIS REVIEW AND APPROVAL. THE RESIDENT ENGINEER SHALL KEEP THE AIRPORT MANAGER ADVISED OF ANY PROPOSED CHANGES IN CLOSURE AND PHASING DATES.
- WHEN ANY VEHICLE IS REQUIRED TO TRAVEL OVER ANY PORTION OF THE AIRCRAFT MOVEMENT AREA AND RUNWAY APPROACH AREA, THE VEHICLE SHALL BE PROPERLY IDENTIFIED TO OPERATE IN THE AREA. ALL VEHICLES SHALL BE IDENTIFIED AS FOLLOWS:
 - DURING DAYLIGHT HOURS, MARK VEHICLES AND EQUIPMENT WITH A FLAG ON A STAFF SO ATTACHED TO THE VEHICLE SO THAT THE FLAG WILL BE READILY VISIBLE. THE FLAG SHOULD BE NOT LESS THAN 3- FEET SQUARE CONSISTING OF A CHECKERED PATTERN OR INTERNATIONAL ORANGE AND WHITE SQUARES OF NOT LESS THAN ONE FOOT ON EACH SIDE AND DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.
 - DURING NIGHTTIME OR LOW-VISIBILITY OPERATIONS, MARK VEHICLES WITH FLASHING YELLOW BEACONS.
 - MARK CONSTRUCTION VEHICLES REQUIRING AN ESCORT WITH A FLAG ON A STAFF. THE FLAG SHALL BE AS DESCRIBED ABOVE.
 - MARK AND IDENTIFY VEHICLES IN ACCORDANCE WITH AC 150/5210-5, PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AN AIRPORT.
- IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT; THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, MEN AND EQUIPMENT.
- CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE GUIDELINES PRESENTED IN FAA ADVISORY CIRCULAR AC 150/5370-2E.

CONTRACTOR'S ACCESS

- CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
 - THE CONTRACTORS ACCESS TO THE WORK SHALL BE AS SHOWN ON THIS SHEET.
 - THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGE TO AIRPORT PROPERTY CAUSED BY THE CONTRACTOR'S VEHICLES SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT MANAGER.
 - ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS TO NOT DISTURB AGRICULTURAL AREAS OR VIOLATE THE PART 77 APPROACH AND PRIMARY SURFACES.
 - NO PERSONAL VEHICLES SHALL BE ALLOWED BEYOND THE CONTRACTOR'S PARKING AREA.
 - THE CONTRACTOR SHALL PROVIDE CONSTRUCTION ENTRANCE SIGNAGE AS REQUIRED BY LIVINGSTON COUNTY HIGHWAY DEPARTMENT.

ENTRANCE ROAD NOTES

- THE CONTRACTOR AND ENGINEER SHALL DOCUMENT THE CONDITION OF THE AIRPORT ENTRANCE ROAD PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL ACCESS THE T-HANGAR BUILDING SITE VIA THE AIRPORT ENTRANCE ROAD AS SHOWN ON THE SITE PLAN DRAWING.
- THE CONTRACTOR'S USE OF THE AIRPORT ENTRANCE ROAD SHALL BE LIMITED TO RUBBER TIERED EQUIPMENT AND VEHICLES.
- THE CONTRACTOR MAY HAUL EARTH MATERIALS ON THE AIRPORT ENTRANCE ROAD WITH TANDEM AND TRACTOR-SEMI TRAILER HAUL TRUCKS.
- HAULING ON THE AIRPORT ENTRANCE ROAD WITH LOADED HAUL TRUCKS SHALL BE LIMITED TO DRY WEATHER CONDITIONS. THE INTENT OF IMPOSING HAULING RESTRICTIONS ON THE CONTRACTOR UNDER THE AUTHORITY OF THE CONTRACT IS TO MINIMIZE THE DAMAGE TO THE EXISTING AIRPORT ENTRANCE ROAD BY LOADED HAULING VEHICLES. IF WET CONDITIONS OCCUR AND THE AIRPORT ENTRANCE ROAD BEGINS TO SHOW SIGNS OF DAMAGE UNDER HAULING TRAFFIC, THE CONTRACTOR SHALL SUSPEND HAULING OPERATIONS BY FULLY LOADED VEHICLES UNTIL DRY CONDITIONS PREVAIL. THE ENGINEER IN CONJUNCTION WITH THE OWNER SHALL HAVE FINAL AUTHORITY OVER APPROVAL TO HAUL.
- NO ADDITIONAL COMPENSATION SHALL BE PERMITTED FOR LIMITING HAULING TO DRY WEATHER CONDITIONS.



FLASHER BARRICADE NOTES

- FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
- 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.

**PONTIAC MUNICIPAL AIRPORT
 PONTIAC, ILLINOIS**

CONSTRUCT T-HANGAR APPROACH PAVEMENTS

SITE PLAN

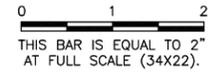
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DATE:	MARCH 4, 2011
JOB No:	1005402
IL PROJECT NO. 3-17-0148-BB A.I.P. PROJECT NO. PNT-4107	
SHEET 02 OF 05 SHEETS	

P0016

REVISIONS		
NUMBER	BY	DATE



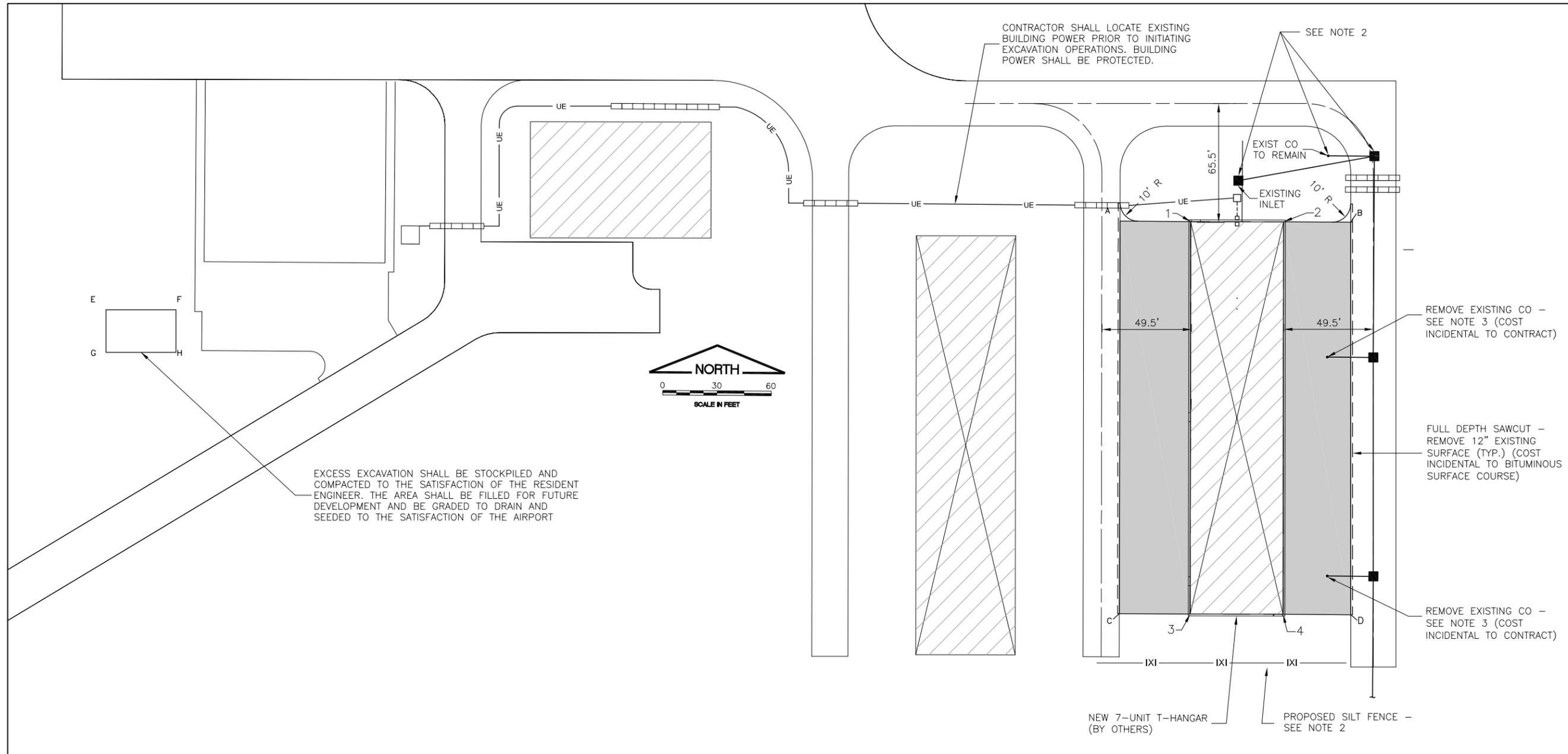
**PONTIAC MUNICIPAL AIRPORT
 PONTIAC, ILLINOIS**

**CONSTRUCT T-HANGAR APPROACH PAVEMENTS
 EXISTING CONDITIONS**

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SHEET	03 OF 05 SHEETS



SITE CONTROL POINTS		
POINT NO.	NORTHING	EASTING
A	1549786.83	904290.29
B	1549787.14	904417.81
C	1549570.44	904291.42
D	1549570.74	904419.39
E	1549734.01	903730.06
F	1549734.01	903768.73
G	1549710.52	903730.06
H	1549710.52	903768.73

LEGEND	
	EXISTING BUILDINGS
	NEW PAVEMENT APPROACH

EXISTING CONTROL POINTS AT BUILDING				
POINT NO.	DESCRIPTION	NORTHING	EASTING	FLOOR EL.
1	NORTHWEST CORNER	1549786.83	904329.32	655.30'
2	NORTHEAST CORNER	1549787.14	904380.72	655.30'
3	SOUTHWEST CORNER	1549570.44	904330.59	655.30'
4	SOUTHEAST CORNER	1549570.74	904381.99	655.30'

- NOTES**
- CONTROL POINTS AT BUILDING SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE RESIDENT ENGINEER AND AIRPORT MANAGER PRIOR TO ANY CONSTRUCTION.
 - DISTURBED AREA < 1 ACRE (APPROX. .45 ACRES). CONTRACTOR SHALL PROVIDE INLET PROTECTION AND EROSION CONTROL FOR THIS CONSTRUCTION SITE. COST SHALL BE INCIDENTAL TO THE CONTRACT.
 - CONTRACTOR SHALL REMOVE EXISTING CLEANOUTS (CO) AND CAP UNDERDRAIN.

P0016

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

**PONTIAC MUNICIPAL AIRPORT
 PONTIAC, ILLINOIS**

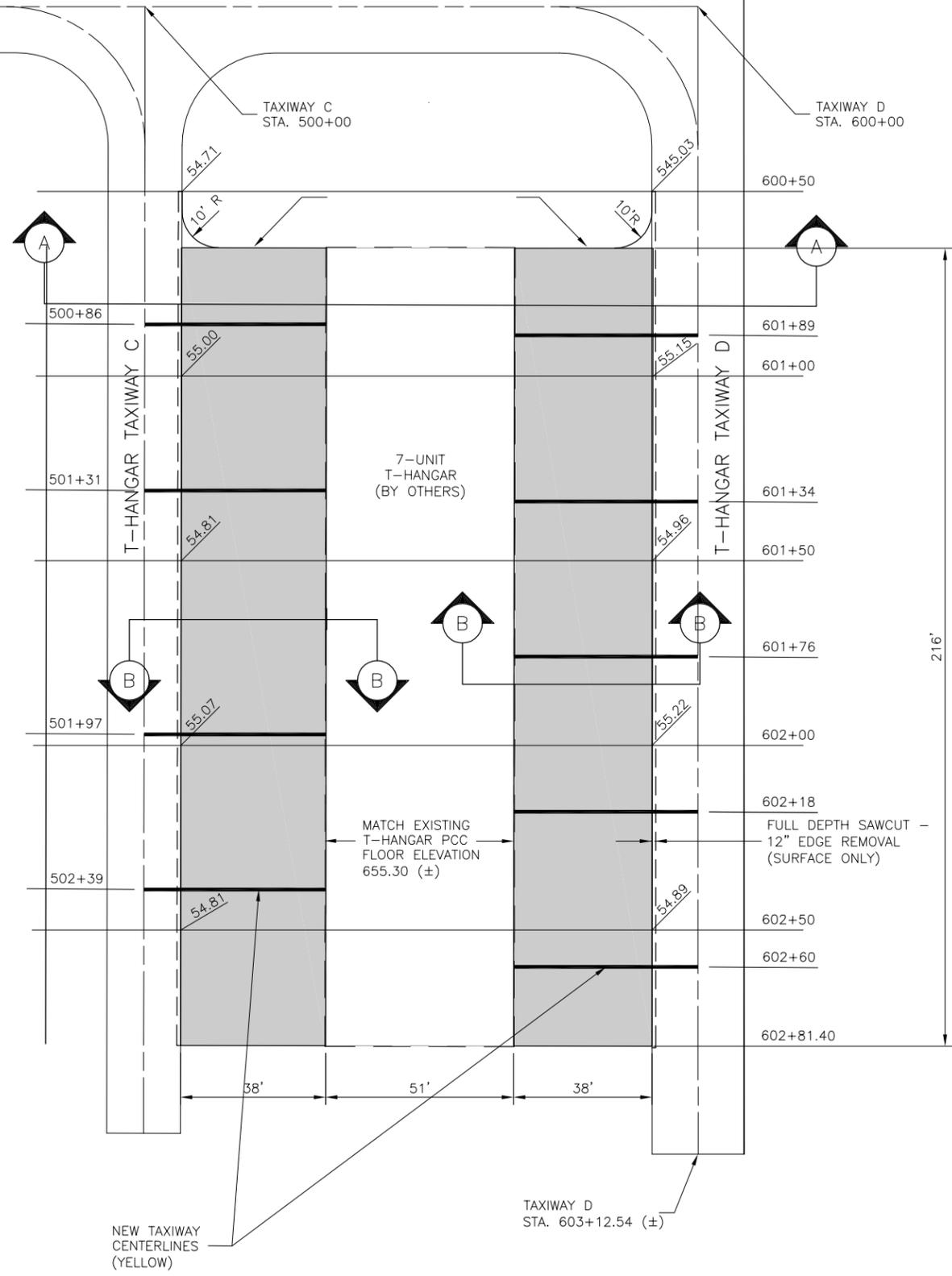
**CONSTRUCT T-HANGAR APPROACH PAVEMENTS
 PROPOSED IMPROVEMENTS**

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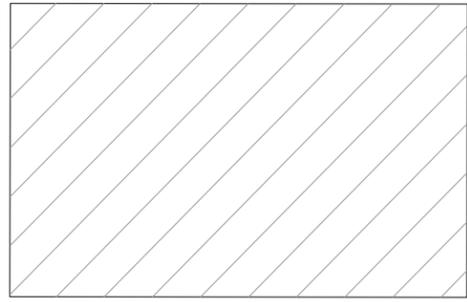
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SHEET	04 OF 05 SHEETS



T-HANGAR TAXIWAY B



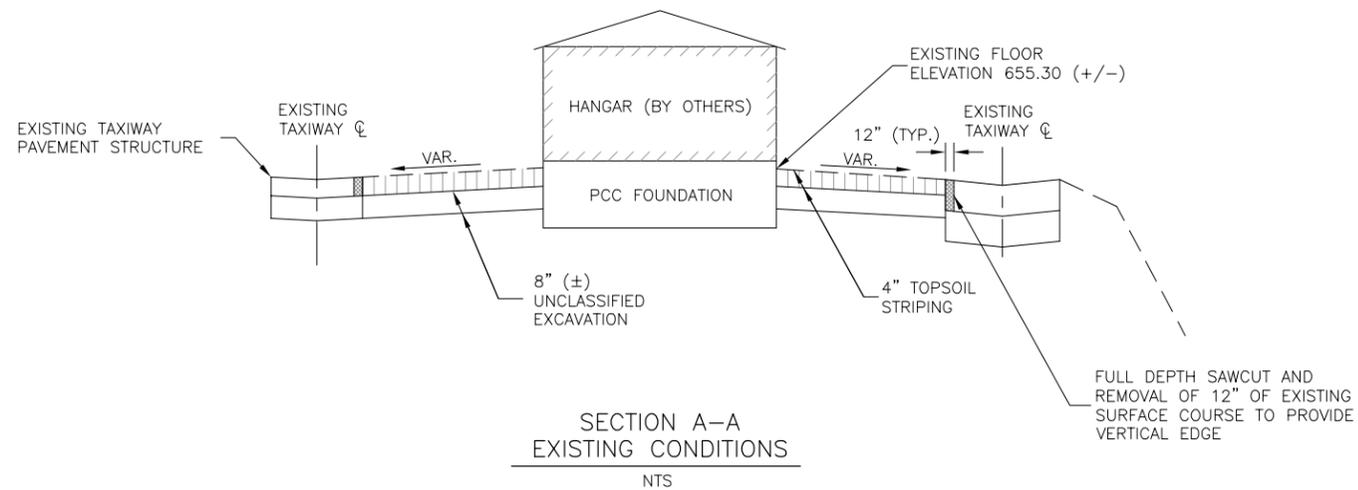
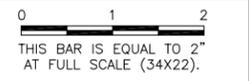
LEGEND

- EXISTING BUILDINGS
- NEW PAVEMENT APPROACH
- 6" TAXIWAY CENTERLINE (YELLOW)

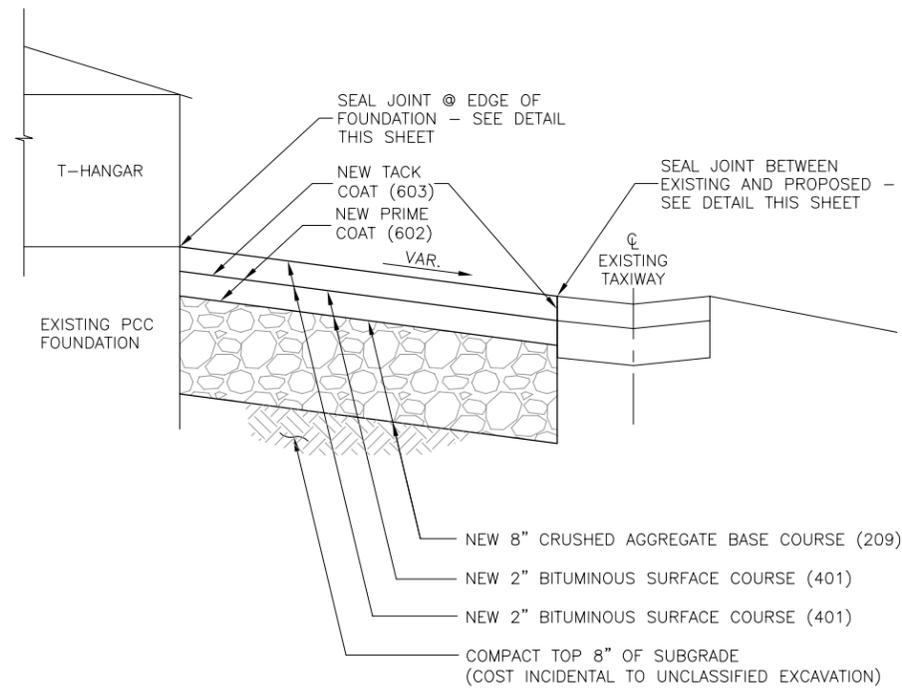
- NOTES:**
- 1.) SEE SHEET 5 FOR TYPICAL SECTIONS AND PAVING DETAILS.
 - 2.) CONTRACTOR SHALL VERIFY LOCATION OF TAXIWAY CENTERLINES IN THE FIELD WITH AIRPORT PRIOR TO MARKING.

PO016

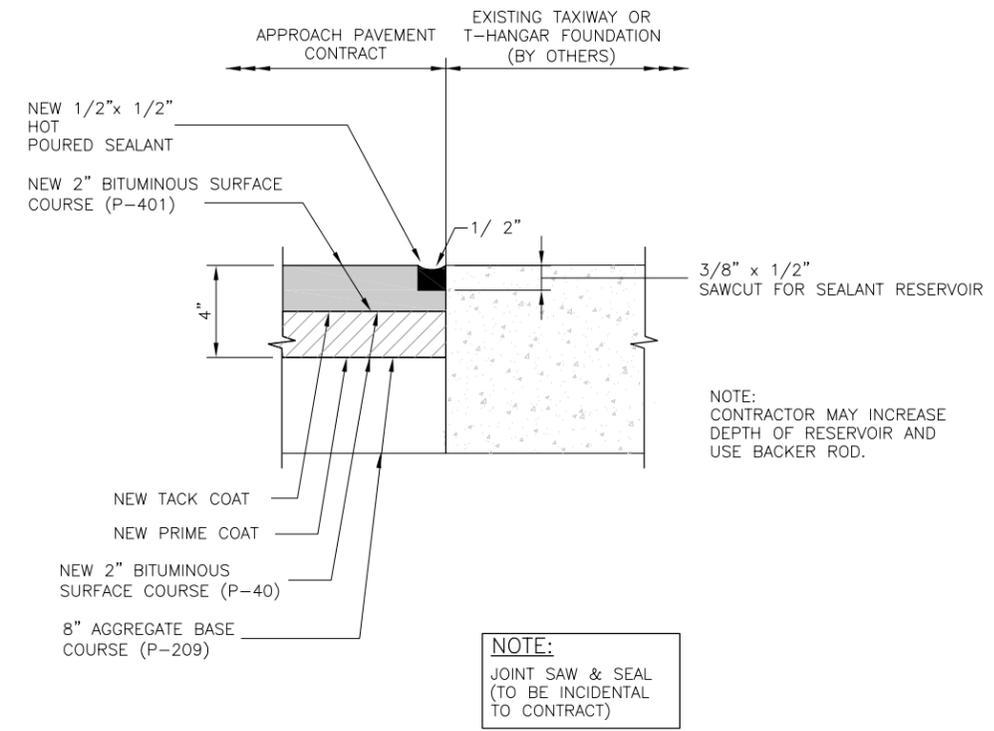
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NUMBER	BY	DATE



SECTION A-A
EXISTING CONDITIONS
 NTS



SECTION B-B
NEW PAVEMENT SECTION
 NTS



NOTE:
 JOINT SAW & SEAL
 (TO BE INCIDENTAL
 TO CONTRACT)

JOINT SEAL DETAIL
 N.T.S.

PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

CONSTRUCT T-HANGAR APPROACH PAVEMENTS
PAVING DETAILS

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SHEET 05 OF 05 SHEETS	