

ITEM 01A
APRIL 28, 2017 LETTING

TOTAL SHEETS: 41
PO019

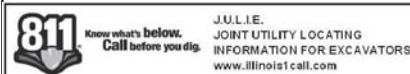
CONSTRUCTION PLANS FOR PONTIAC MUNICIPAL AIRPORT CITY OF PONTIAC PONTIAC, ILLINOIS

IL. PROJ. NO. PNT-4384
A.I.P. PROJECT NO. 3-17-SBGP-105

CONSTRUCT WESTERN PARTIAL PARALLEL TAXIWAY TO RUNWAY 6

MARCH 14, 2017

UNICOM FREQUENCY 122.8



THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ACTUAL LOCATIONS OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF HIS OPERATIONAL PLANS, OBTAIN FROM 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 AND THE ONE-CALL NOTICE SYSTEM. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH UTILITY OR SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 811.

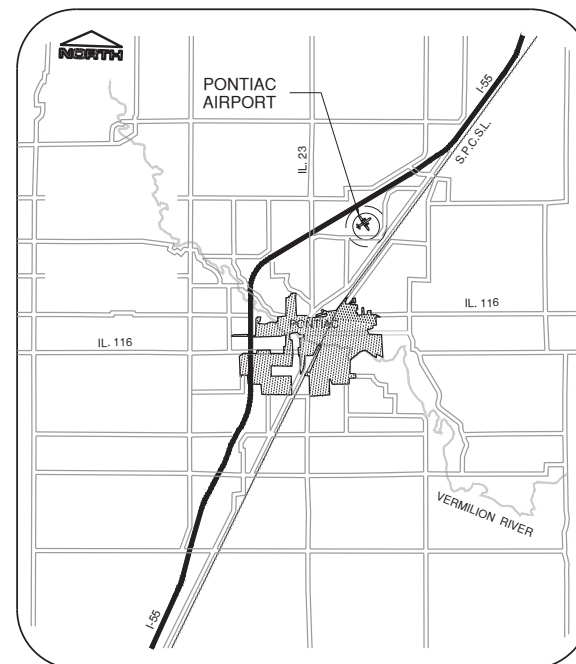
GEOMETRIC DESIGN DATA

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

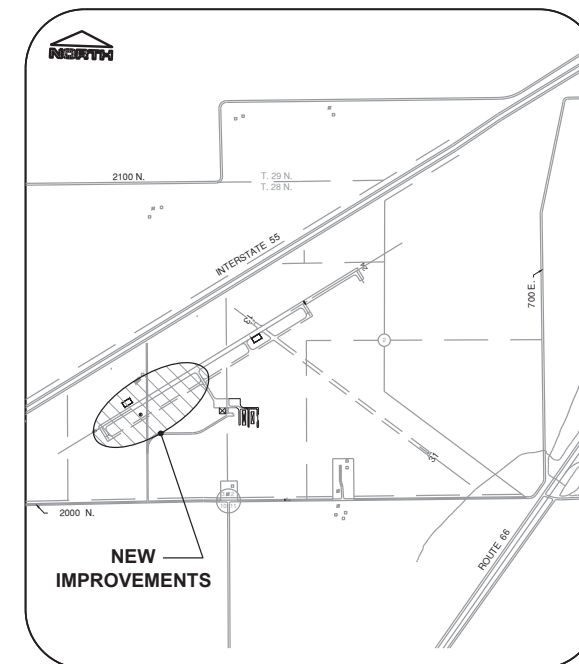
CALL J.U.L.I.E.
BEFORE EXCAVATING
1-800-892-0123

PONTIAC MUNICIPAL AIRPORT

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



LOCATION MAP



SITE PLAN

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS
APPROVED *[Signature]*
DATE 3-1-17



D. Kyle Peabody
3-10-17
EXPIRES 11-30-17



Engineers and Consultants
■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO

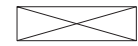





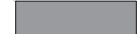


SUBMITTED BY *D. Kyle Peabody, P.E.*
DATE 3-10-17

CMT JOB NUMBER: JOB_NO

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

-  AIRPORT BUILDINGS/HANGARS
-  HOUSES AND OUTBUILDINGS
-  OVERHEAD POWER LINE
-  FENCE/PROPERTY LINE
-  CONTRACTOR'S ACCESS ROUTE TO SITE
-  CONTRACTOR'S STAGING, STORAGE AND PERSONNEL VEHICLE PARKING SITE
-  NEW PAVEMENT
-  CONTROL POINT
-  BENCHMARK

CONTRACTOR'S CONTROL POINTS

POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
3	IRON PIN	1550043.567	903977.459	-
404	MONUMENT LAUREL AZ	1549490.311	901935.203	646.01
472	IRON PIPE	1549382.348	901864.659	-
1-16	BENCHMARK - SEE NOTE 1	-	-	646.92
13-2	BENCHMARK - SEE NOTE 2	-	-	655.09

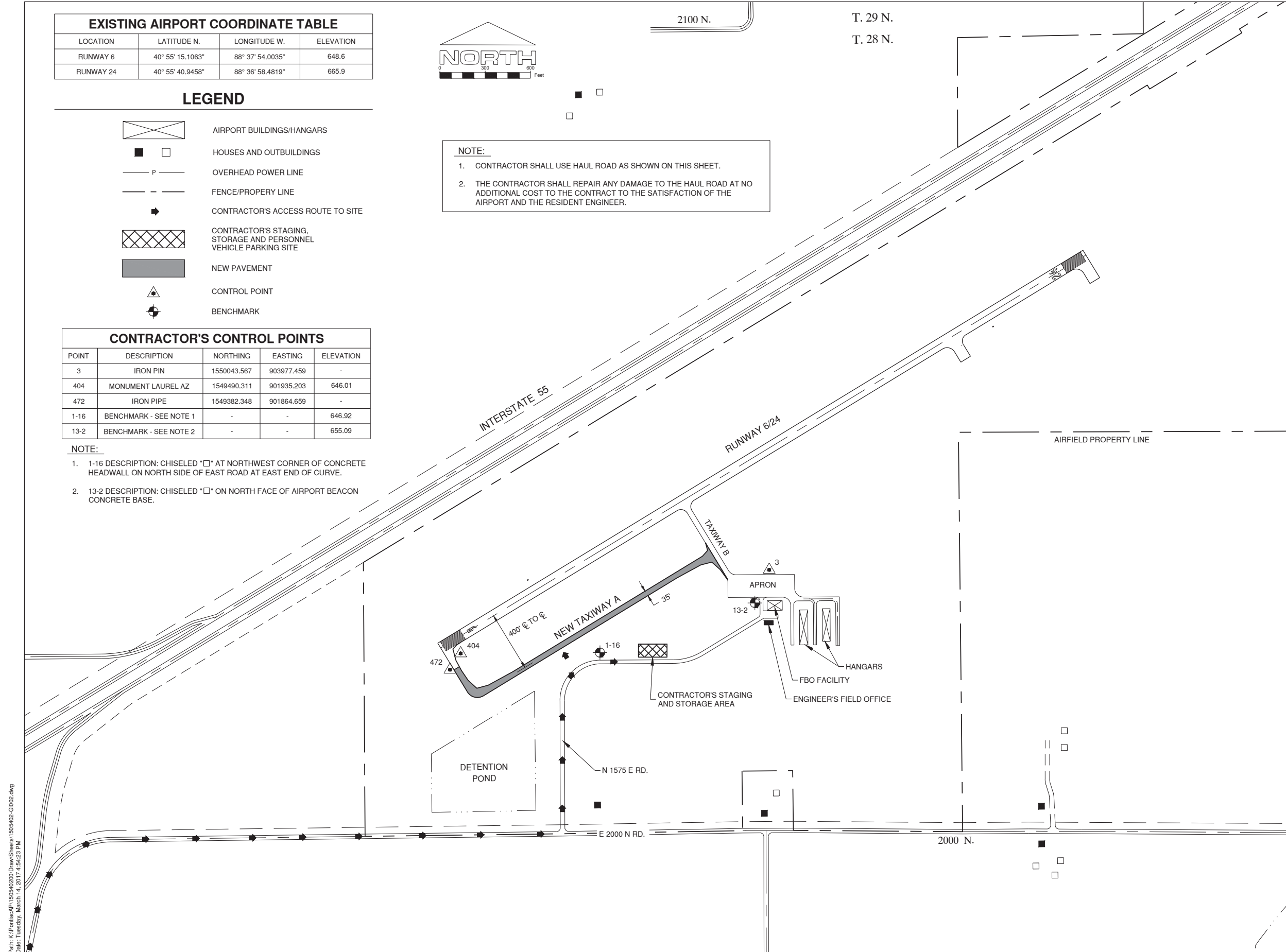
NOTE:

1. 1-16 DESCRIPTION: CHISELED "□" AT NORTHWEST CORNER OF CONCRETE HEADWALL ON NORTH SIDE OF EAST ROAD AT EAST END OF CURVE.
2. 13-2 DESCRIPTION: CHISELED "□" ON NORTH FACE OF AIRPORT BEACON CONCRETE BASE.



NOTE:

1. CONTRACTOR SHALL USE HAUL ROAD AS SHOWN ON THIS SHEET.
2. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE HAUL ROAD AT NO ADDITIONAL COST TO THE CONTRACT TO THE SATISFACTION OF THE AIRPORT AND THE RESIDENT ENGINEER.



License No. 184-000613
CONSULTANTS

**CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6**

OWNER

**CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS**

MARK	DATE	DESCRIPTION
AIP PROJ. NO.	3-17-SBGP-105	
IL PROJ. NO.	PNT-4384	
CMT PROJECT NO.	1505402	
CAD DWG FILE:	1505402-G1002.DWG	
DESIGNED BY:	NRF/CDU	
DRAWN BY:	CMT	
CHECKED BY:	AJB	
APPROVED BY:	CBG	

**SHEET TITLE
AIRPORT SITE PLAN**

**G1101
SHEET 3 OF 41**

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 Date: Tuesday, March 14, 2017 4:54:23 PM



License No. 184-000613
CONSULTANTS

**CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6**

OWNER

**CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS**

MARK	DATE	DESCRIPTION
		AIP PROJ. NO. 3-17-SBGP-105
		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: GC102 CONSTRUCTION ACTIVITY PLAN NOTES AND DETAILS.dwg
		DESIGNED BY: NRF/CDU
		DRAWN BY: CMT
		CHECKED BY: AIB
		APPROVED BY: CBG

SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN -
NOTES AND DETAILS 1**
GC101
SHEET **4** OF **41**

GENERAL

1. 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.
2. 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.
3. THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL AND MEETING OSHA REQUIREMENTS.
4. A MINIMUM OF 10 DAYS PRIOR TO THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS.
5. 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

1. 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.
2. 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.
3. 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

1. TOTAL CONTRACT TIME SHALL BE 70 CALENDAR DAYS.
2. THE PROJECT HAS 2 PHASES.

3. CONSTRUCTION ACTIVITY

1. ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN CONSTRUCTION ACTIVITY PLAN - PHASING.
2. 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.
3. ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

4. NAVIGATION AID (NAVAID) PROTECTION

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

5. CONTRACTOR ACCESS

1. CONTRACTOR ACCESS SHALL BE AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS.
2. THE CONTRACTOR IS TO ACCESS THE SITE USING THE LOCATIONS SHOWN.
3. THE TRUCK DRIVERS SHALL BE ESCORTED BY THE CONTRACTOR AT ALL TIMES.
4. CONTRACTOR WORK CREWS MUST MONITOR AIRFIELD RADIO FREQUENCY (122.80) AT ALL TIMES WHEN INSIDE THE AIRPORT OPERATIONS AREA (AOA).
5. THE CONTRACTORS STORAGE AND STAGING AREA WILL BE AS SHOWN IN THE SITE PLAN
6. 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.
7. WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREA.
8. 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.
9. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES, INCLUDING 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.
10. 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.
11. ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL NOTIFY THE AIRPORT IF CONSTRUCTION ACTIVITY WILL REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT.

6. WILDLIFE MANAGEMENT

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

7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

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

8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

1. 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

1. THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
2. THE CONTRACTOR SHALL GIVE A MINIMUM OF 10 DAYS NOTICE TO AIRPORT OPERATIONS PRIOR TO CLOSING ANY PAVEMENTS SO THAT PROPER NOTAMS MAY BE ISSUED BY THE AIRPORT.
3. 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.
4. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.
5. CONTACTS FOR THIS PROJECT ARE AS LISTED BELOW.

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

10. INSPECTION REQUIREMENTS

1. 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.
2. THE CONTRACTOR SHALL ATTEND A FINAL INSPECTION OF EACH PHASE WORK AREA PRIOR TO OPENING THE AREA TO AIRPORT OPERATIONS.

11. UNDERGROUND UTILITIES

1. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. 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 IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION.
2. 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

1. 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

1. 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

1. RUNWAY AND/OR TAXIWAY CLOSURES ARE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL COORDINATE DE-ENERGIZING AIRFIELD LIGHTING WITH THE RESIDENT ENGINEER AND 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

1. CONTRACTOR SHALL CLEARLY MARK ALL ACCESS AND HAUL ROUTES.

16. HAZARD MARKING AND LIGHTING

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

17. PROTECTION

1. RUNWAYS: 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 OR AS REQUIRED ON THE CONSTRUCTION ACTIVITY PLAN 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.

TAXIWAYS: ANY WORK WITHIN TAXIWAY OBJECT FREE AREA (TOFA) WILL REQUIRE A TAXIWAY CLOSURE. WORK WITHIN THE TOFA SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE TOFA. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR FIVE (5) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS. REFERENCE TABLE ON PREVIOUS SHEET FOR OBJECT FREE AREA WIDTHS. NO DROP-OFFS OR OPEN EXCAVATIONS WILL BE ALLOWED WITHIN THE TAXIWAY SAFETY AREAS OF OPEN TAXIWAYS.

2. NO OPEN TRENCHES WILL BE ALLOWED WITHIN THE SAFETY AREA OF THE RUNWAY WHILE THE RUNWAY IS OPEN.

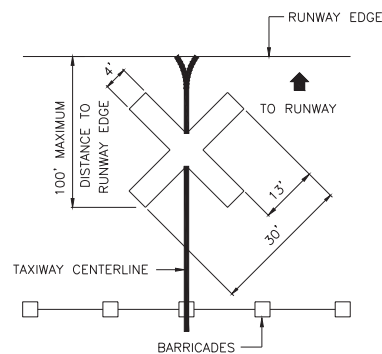
18. OTHER LIMITATIONS ON CONSTRUCTION

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

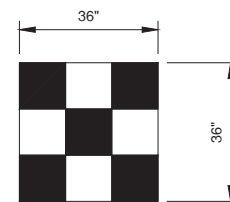
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Date: Tuesday, March 14, 2017 4:54:27 PM



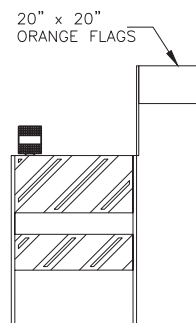
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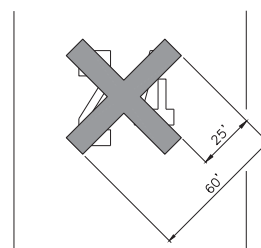
CLOSED TAXIWAY MARKER DETAIL
NOT TO SCALE



CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG
NOT TO SCALE



FLASHER BARRICADE DETAIL
NOT TO SCALE



ON PAVEMENT CLOSED RUNWAY MARKER DETAIL
NOT TO SCALE

CLOSED TAXIWAY MARKER DETAIL NOTES

1. CLOSED TAXIWAY MARKERS SHALL BE PAINTED WITH TEMPORARY MARKING CAPABLE OF BEING REMOVED WITH LOW PRESSURE WATER BLASTING OR OTHER MATERIAL THAT DOES NOT VIOLATE THE OBJECT FREE AREA CRITERIA AND RUNWAY SAFETY AREA CRITERIA PER ADVISORY CIRCULAR 150/5300-13A (LATEST EDITION) AND ARE APPROVED BY THE AIRPORT.
2. CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION
3. COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
4. PLACE MARKERS OVER TAXIWAY CENTERLINE.
5. MARKERS SHALL BE ADEQUATELY SECURED TO PREVENT MOVEMENT BY PROPELLER WASH, JET BLAST OR OTHER WIND CURRENTS.
6. MARKERS ARE ONLY REQUIRED FOR TAXIWAYS CLOSED THREE (3) CONSECUTIVE DAYS OR MORE.

NOTES

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

BARRICADE NOTES

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

EXISTING CRITICAL AIRCRAFT AND REQUIRED SAFETY AREAS

RUNWAY	6/24
APPROACH CATEGORY	B
DESIGN GROUP	II (SMALL)
AOA @ RUNWAY OBSTACLE FREE ZONE	250'
RUNWAY SAFETY AREA WIDTH (RSA)	150'
RUNWAY OBJECT FREE AREA WIDTH (ROFA)	500'
TAXIWAY SAFETY AREA WIDTH (TSA)	79'
AOA @ TAXIWAY OBJECT FREE AREA WIDTH (TOFA)	131'
AOA @ TAXILANE OBJECT FREE AREA WIDTH (TOFA)	115'

NOTE: AOA - AIR OPERATIONS AREA

GENERAL PHASING NOTES

1. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER WHO SHALL CONTACT THE AIRPORT MANAGER AT LEAST 10 DAYS 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 CONSECUTIVE DAYS FOR PHASE 2.
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 125' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 65.5 FEET OF ANY ACTIVE TAXIWAY CENTERLINE OR AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN 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, CLOSED RUNWAY MARKERS, CLOSED TAXIWAY MARKERS, 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.

ALL PHASES:

ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER AIRPORT ELECTRICAL CABLES SHALL REMAIN IN SERVICE UNTIL REPLACED AS ACCEPTABLE TO THE RESIDENT ENGINEER AND AIRPORT MANAGER. ALL TEMPORARY CABLING AND SPLICING NECESSARY TO KEEP THE CIRCUITS IN OPERATION SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.

RUNWAY OPENING:

PRIOR TO REOPENING A CLOSED RUNWAY, THE ENTIRE (RSA) RUNWAY SAFETY AREA (75 FEET FROM CENTERLINE AND INCLUDING BEYOND THE END OF THE RUNWAY WITHIN AIRPORT PROPERTY) AND (TOFA) TAXIWAY OBJECT FREE AREA MUST MEET FAA CRITERIA. FAA CRITERIA REQUIRES THAT THERE BE NO OPEN EXCAVATIONS OR TRENCHES IN THE SAFETY AREA(S), THE MAXIMUM PAVEMENT DROP OFF BE 3 INCHES, AND ALL GRADES IN ANY DIRECTION BE LESS THAN 5 PERCENT. ALL NECESSARY TEMPORARY MEASURES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CONSTRUCT WESTERN PARTIAL PARALLEL TAXIWAY TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK DATE DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-105

IL PROJ. NO. PNT-4384

CMT PROJECT NO: 1505402

CAD DWG FILE: CONSTRUCTION ACTIVITY PLAN - NOTES AND

DETAILS 2-DWG

DESIGNED BY: NRP/CDU

DRAWN BY: CMT

CHECKED BY: AJB

APPROVED BY: CBG

SHEET TITLE

CONSTRUCTION ACTIVITY PLAN - NOTES AND DETAILS 2

GC102

SHEET 5 OF 41

PHASE 1 CONSTRUCTION NOTES:

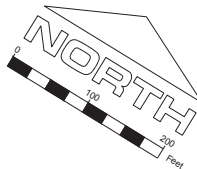
1. RUNWAY 6/24 SHALL REMAIN OPEN AT ALL TIMES DURING PHASE I
2. THE EXISTING TAXIWAY, CONNECTING APRON TO RUNWAY 6/24, SHALL REMAIN OPEN AT ALL TIMES DURING PHASE I
3. THE CONTRACTOR SHALL PLACE BARRICADES AS SHOWN PRIOR TO STARTING WORK ON THIS PHASE.
4. CONSTRUCTION OPERATIONS ARE PROHIBITED FROM ENCROACHING INTO RUNWAY OBSTACLE FREE ZONE (ROFZ) AND TAXIWAY OBJECT FREE AREA (TOFA) DURING PHASE I
5. THE PHASE I CONSTRUCTION AREA IS ESTIMATED AND WORK OUTSIDE THE PROPOSED AREA MAY BE ALLOWED AS LONG AS NO OPERATIONS OCCUR INSIDE THE THE ROFZ OR TOFA
6. CONSTRUCTION, INCLUDING EXCAVATIONS ARE PERMITTED IN THE RUNWAY OBJECT FREE AREA (ROFA), HOWEVER EQUIPMENT MUST BE REMOVED FROM THE ROFA WHEN NOT IN USE, AND MATERIAL SHOULD NOT BE STOCKPILED IN THE ROFA IF NOT NECESSARY
7. THE CONTRACTOR SHALL SWEEP AND CLEAN ANY PAVEMENT PRIOR TO OPENING; COST SHALL BE INCIDENTAL TO THE PROJECT

CONSTRUCTION WORK IN PHASE I SHALL INCLUDE THE FOLLOWING:

- GRADING AND COMPACTING OF SUBGRADE FOR NEW PARALLEL TAXIWAY
- PLACING, GRADING, AND COMPACTING CRUSHED AGGREGATE BASE COURSE FOR NEW PARALLEL TAXIWAY
- PLACING AND COMPACTING BITUMINOUS BASE AND SURFACE COURSE FOR NEW PARALLEL TAXIWAY
- INSTALLATION OF UNDERDRAIN ALONG NEW PARALLEL TAXIWAY
- GRADING AND EARTHWORK FOR THE CONSTRUCTION OF DITCHES ALONG NEW PARALLEL TAXIWAY
- INSTALLATION OF DRAINAGE FEATURES (REINFORCED CONCRETE PIPE AND FLARED END SECTIONS)
- CONSTRUCT ELECTRICAL VAULT IMPROVEMENTS
- INSTALLATION OF EDGE LIGHTS AND CABLE ALONG NEW PARALLEL TAXIWAY
- SEEDING AND MULCHING OF DISTURBED AREAS

LEGEND

	PHASE 1 CONSTRUCTION AREA		ROFA	RUNWAY OBJECT FREE AREA
	PAVING AREA - NEW TAXIWAY		ROFZ	RUNWAY OBSTACLE FREE ZONE
	CONTRACTOR STAGING AND STORAGE AREA		TOFA	TAXIWAY OBJECT FREE AREA
	BARRICADE LINE		RSA	RUNWAY SAFETY AREA
	TEMPORARY TAXIWAY CLOSED MARKER			HAUL ROUTE
				CRITICAL POINT



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CONSTRUCT WESTERN PARTIAL PARALLEL TAXIWAY TO RUNWAY 6

OWNER

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PONTIAC, ILLINOIS

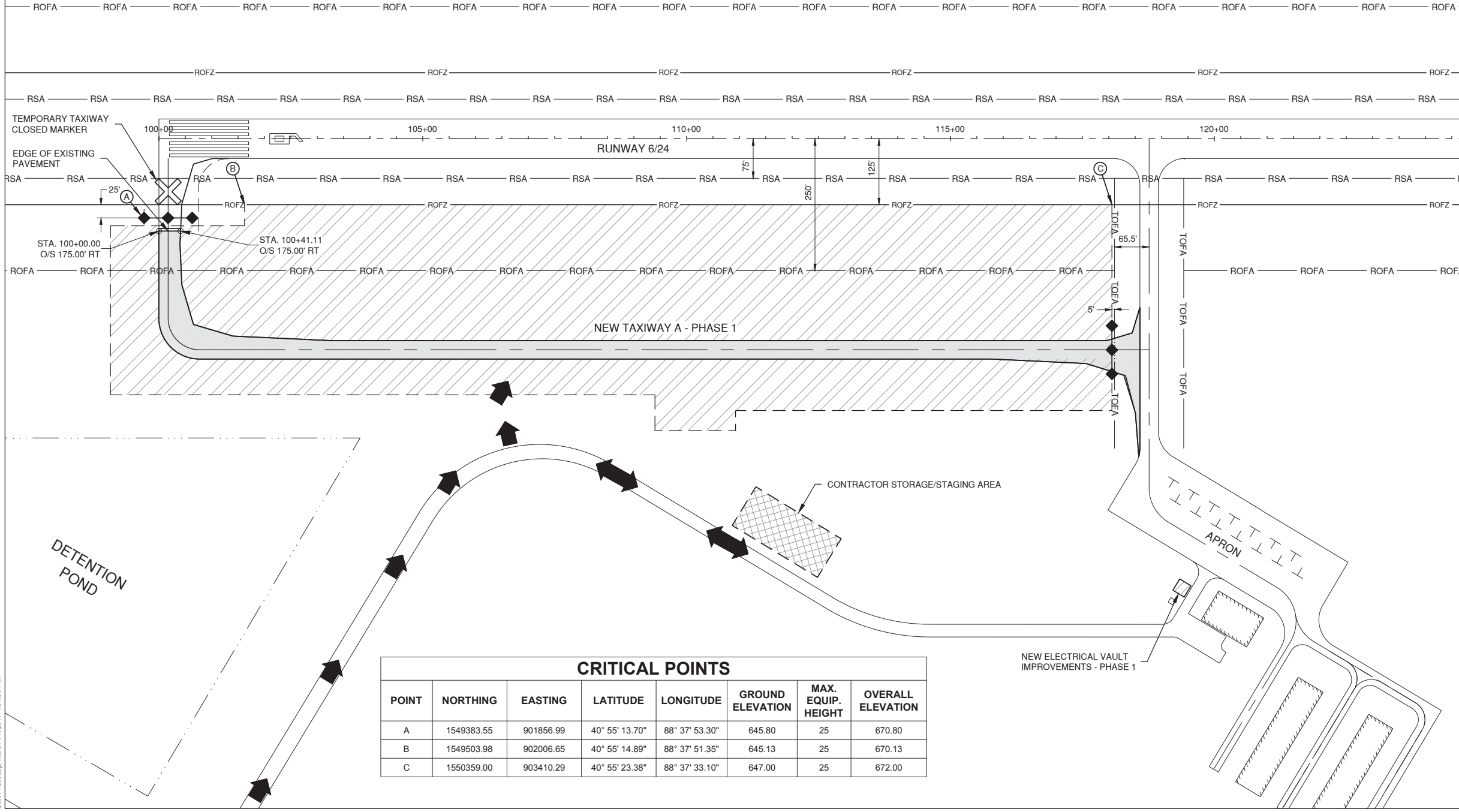
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		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: CONSTRUCTION ACTIVITY PLAN - PHASING.DWG
		DESIGNED BY: NRF/CDU
		DRAWN BY: CMT
		CHECKED BY: AJB
		APPROVED BY: CBG

CONSTRUCTION ACTIVITY PLAN - PHASE 1

GC103

SHEET 6 OF 41

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Date: Tuesday, March 14, 2017 4:54:38 PM



CRITICAL POINTS

POINT	NORTHING	EASTING	LATITUDE	LONGITUDE	GROUND ELEVATION	MAX. EQUIP. HEIGHT	OVERALL ELEVATION
A	1549383.55	901856.99	40° 55' 13.70"	88° 37' 53.30"	645.80	25	670.80
B	1549503.98	902006.65	40° 55' 14.89"	88° 37' 51.35"	645.13	25	670.13
C	1550359.00	903410.29	40° 55' 23.38"	88° 37' 33.10"	647.00	25	672.00

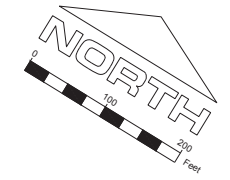
LEGEND

- UD — — UD — EXISTING UNDERDRAIN
- ST — — ST — EXISTING STORM SEWER
- ⊙ △ EXISTING INLET, MANHOLE OR FLARED END SECTION
- — — EXISTING CIRCUITRY
- [Pattern] EXISTING PAVEMENT TO BE REMOVED
- — — PROPOSED NEW TAXIWAY PAVEMENT
- — — EXISTING STORMWATER FLOW
- FT — — FT — EXISTING FIELD TILE
- R ITEM TO BE REMOVED

- ### NOTES
- STATION AND OFFSET LABELS ARE THE LIMITS OF THE EXISTING PAVEMENT REMOVAL
 - SEE ELECTRICAL DEMOLITION PLAN SHEETS FOR ELECTRICAL REMOVALS.
 - EXISTING TAXIWAY BITUMINOUS PAVEMENT TO BE REMOVED IS APPROXIMATELY 6" AND 7" THICK AS SHOWN ON THE PLANS.
 - FIELD TILE SHOWN IS APPROXIMATE AND EXACT ORIENTATION AND LOCATION IS NOT KNOWN.

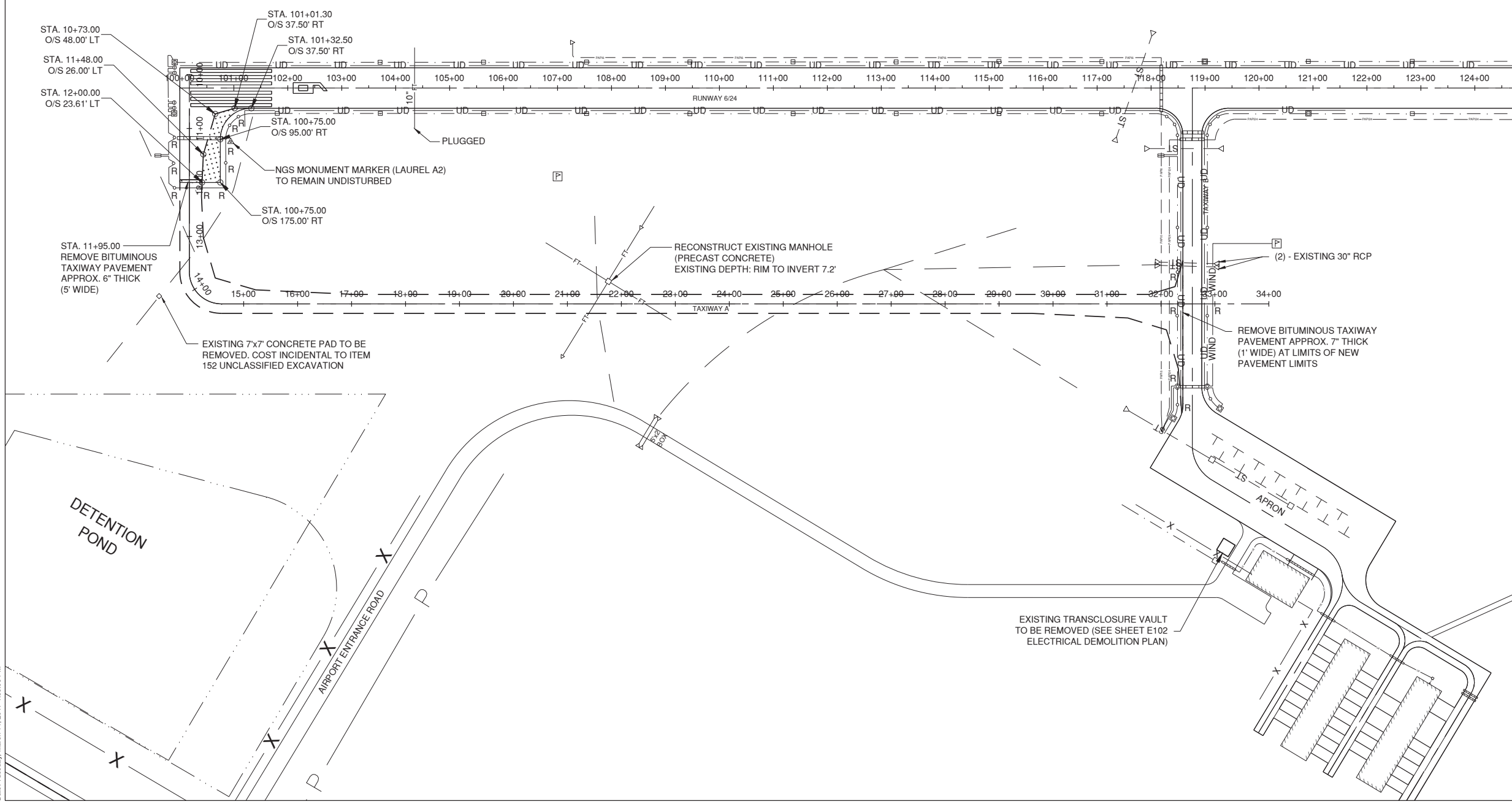
THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, THE DIVISION, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, 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 CONTRACTORS 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 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 RESIDENT 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.



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NOTE: SEE SHEET E101 ELECTRICAL LAYOUT FOR ELECTRICAL LEGEND



CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

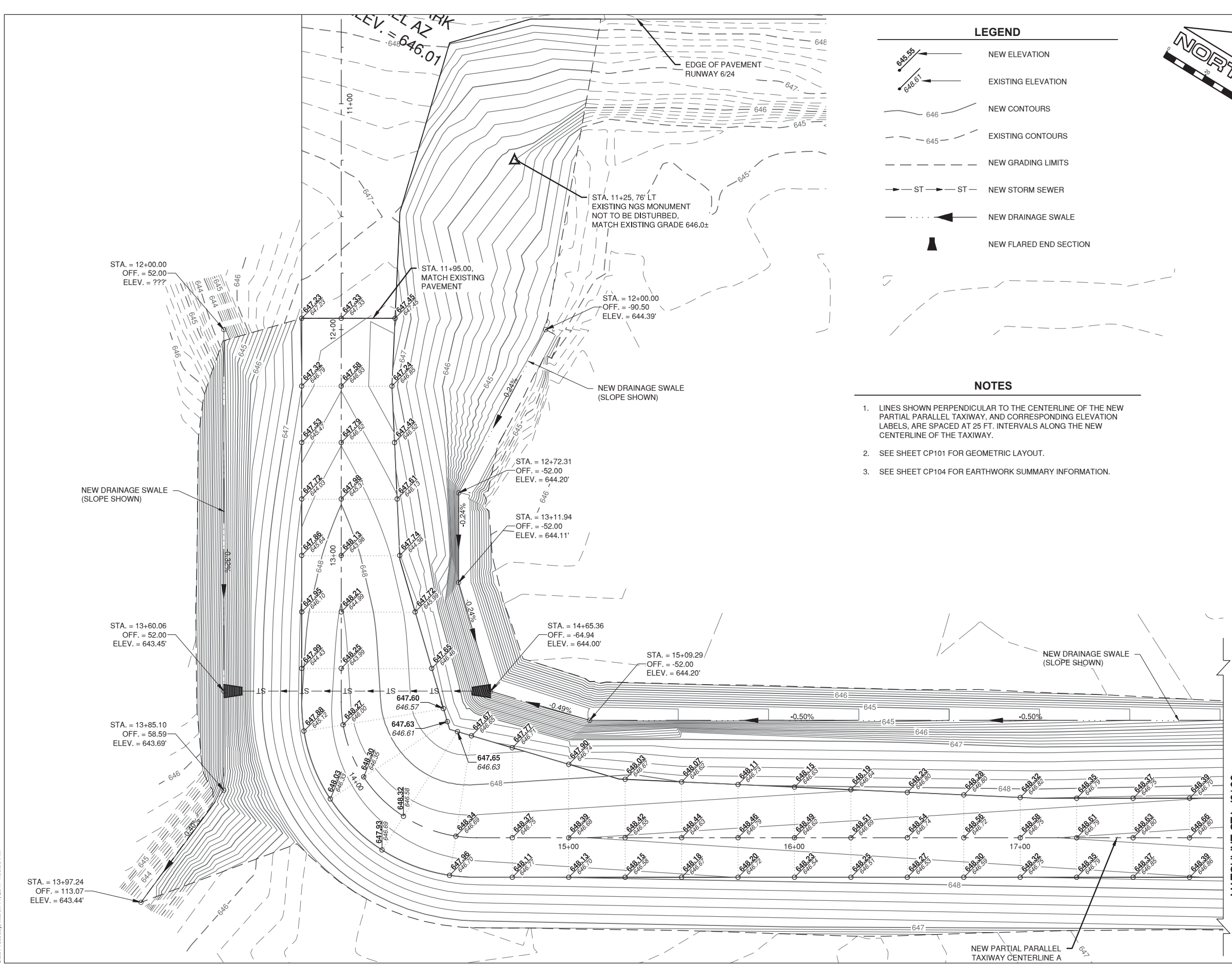
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		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: EXISTING CONDITIONS & REMOVALS.DWG
		DESIGNED BY: NRF/CDU
		DRAWN BY: CMT
		CHECKED BY: AJB
		APPROVED BY: CBG

SHEET TITLE
**EXISTING
CONDITIONS &
REMOVALS**

CD101
SHEET 8 OF 41

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 Date: Tuesday, March 14, 2017 4:55:09 PM

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 Date: Tuesday, March 14, 2017 4:55:35 PM



LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOURS
- EXISTING CONTOURS
- NEW GRADING LIMITS
- NEW STORM SEWER
- NEW DRAINAGE SWALE
- NEW FLARED END SECTION

NOTES

1. LINES SHOWN PERPENDICULAR TO THE CENTERLINE OF THE NEW PARTIAL PARALLEL TAXIWAY, AND CORRESPONDING ELEVATION LABELS, ARE SPACED AT 25 FT. INTERVALS ALONG THE NEW CENTERLINE OF THE TAXIWAY.
2. SEE SHEET CP101 FOR GEOMETRIC LAYOUT.
3. SEE SHEET CP104 FOR EARTHWORK SUMMARY INFORMATION.



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**CONSTRUCT WESTERN
 PARTIAL PARALLEL TAXIWAY
 TO RUNWAY 6**

OWNER

**CITY OF PONTIAC
 PONTIAC MUNICIPAL AIRPORT
 PONTIAC, ILLINOIS**

MARK	DATE	DESCRIPTION
		AIP PROJ. NO. 3-17-SBGP-105
		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: STAKING PLAN.DWG
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SHEET TITLE
STAKING PLAN 1

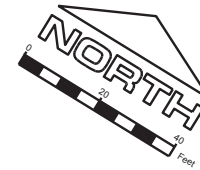
MATCHLINE STA. 18+00

NOTES

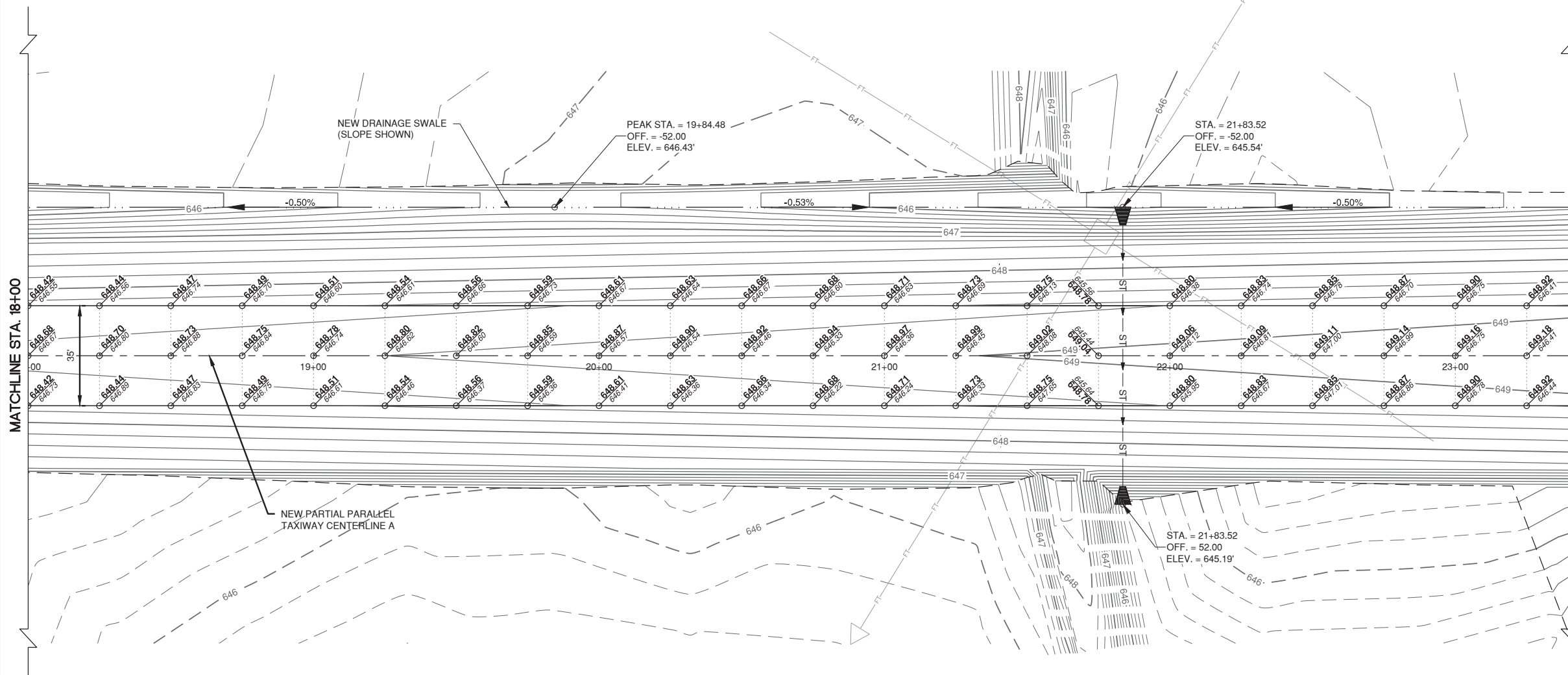
1. LINES SHOWN PERPENDICULAR TO THE CENTERLINE OF THE NEW PARTIAL PARALLEL TAXIWAY, AND CORRESPONDING ELEVATION LABELS, ARE SPACED AT 25 FT. INTERVALS ALONG THE NEW CENTERLINE OF THE TAXIWAY.
2. SEE SHEET CP101 FOR GEOMETRIC LAYOUT.
3. SEE SHEET CP104 FOR EARTHWORK SUMMARY INFORMATION.

LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOURS
- EXISTING CONTOURS
- NEW GRADING LIMITS
- NEW STORM SEWER
- NEW DRAINAGE SWALE
- NEW FLARED END SECTION



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MATCHLINE STA. 18+00

MATCHLINE STA. 23+40

CONSTRUCT WESTERN PARTIAL PARALLEL TAXIWAY TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION
		AIP PROJ. NO. 3-17-SBGP-105
		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: STAKING PLAN.DWG
		DESIGNED BY: NRF/CDU
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SHEET TITLE
STAKING PLAN 2

CP103
SHEET 11 OF 41

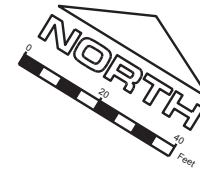
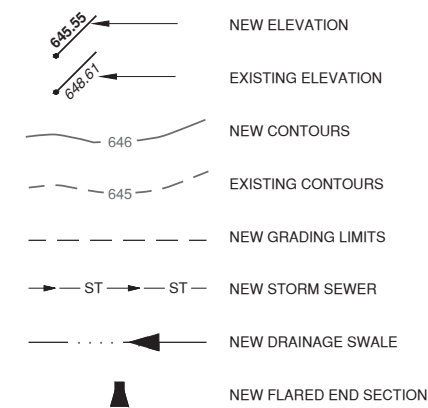
EARTHWORK SUMMARY TABLE (SEE NOTES)	TOTAL QUANTITY	UNIT
TOPSOIL EXCAVATION (OUTSIDE PAVEMENT LIMITS) (INITIAL POSITION)	1,388	CY
TOPSOIL STRIPPING - 12" (INITIAL POSITION)	3,408	CY
STRUCTURAL CUT (BELOW TOPSOIL) (INITIAL POSITION)	849	CY
TOTAL CUT (UNCLASSIFIED EXCAVATION AR152410)	5,645	CY
EMBANKMENT FILL (STRUCTURAL) (FINAL POSITION)	6,323	CY
SHOULDER FILL (TOPSOIL) (FINAL POSITION)	5,702	CY
AVAILABLE EMBANKMENT FILL (INITIAL POSITION)	849	CY
AVAILABLE TOPSOIL FILL (INITIAL POSITION)	4,796	CY
TOTAL OFFSITE BORROW (TOTAL FILL LESS AVAILABLE FILL) (AR152442)	7,510	CY

- TOPSOIL STRIPPING, UNCLASSIFIED EXCAVATION AND STRUCTURAL CUT SHALL BE MEASURED IN THE INITIAL POSITION.
- OFFSITE BORROW SHALL BE MEASURED IN THE FINAL POSITION AFTER PLACEMENT WITHIN THE EMBANKMENT LIMITS.
- A SHRINKAGE FACTOR OF 20% WAS USED TO DETERMINE REQUIRED BORROW. NO ADJUSTMENTS IN EARTHWORK QUANTITIES WILL BE ALLOWED FOR VARIATIONS IN ACTUAL SHRINKAGE AND/OR EXPANSION FACTORS ENCOUNTERED DURING CONSTRUCTION.
- ALL CCDD AND ENVIRONMENTAL TESTING AND ANY TESTING AND HANDLING REQUIREMENTS BY THE CONTRACTOR AND/OR CONTRACTOR'S DISPOSAL FACILITY(S) FOR ALL HAUL OFF MATERIALS SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL CERTIFY THE SUITABILITY OF BORROW MATERIALS TO BE USED FOR EITHER EMBANKMENT FILL OR TOPSOIL FILL. ALL BORROW MATERIALS SHALL BE APPROVED BY THE ENGINEER PRIOR TO DELIVERY TO THE WORK SITE. CERTIFICATION SHALL INCLUDE AT A MINIMUM, ENGINEERING PROPERTIES OF THE SOILS (PH, PLASTICITY INDEX, PERCENT ORGANIC CONTENT, PROCTOR, ETC.) AND SUITABLE LAB TESTING REPORTS DECLARING THE MATERIALS TO BE FREE OF HARMFUL ENVIRONMENTAL TOXINS (CCDD TESTING).

NOTES

- LINES SHOWN PERPENDICULAR TO THE CENTERLINE OF THE NEW PARTIAL PARALLEL TAXIWAY, AND CORRESPONDING ELEVATION LABELS, ARE SPACED AT 25 FT. INTERVALS ALONG THE NEW CENTERLINE OF THE TAXIWAY.
- SEE SHEET CP101 FOR GEOMETRIC LAYOUT.

LEGEND



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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

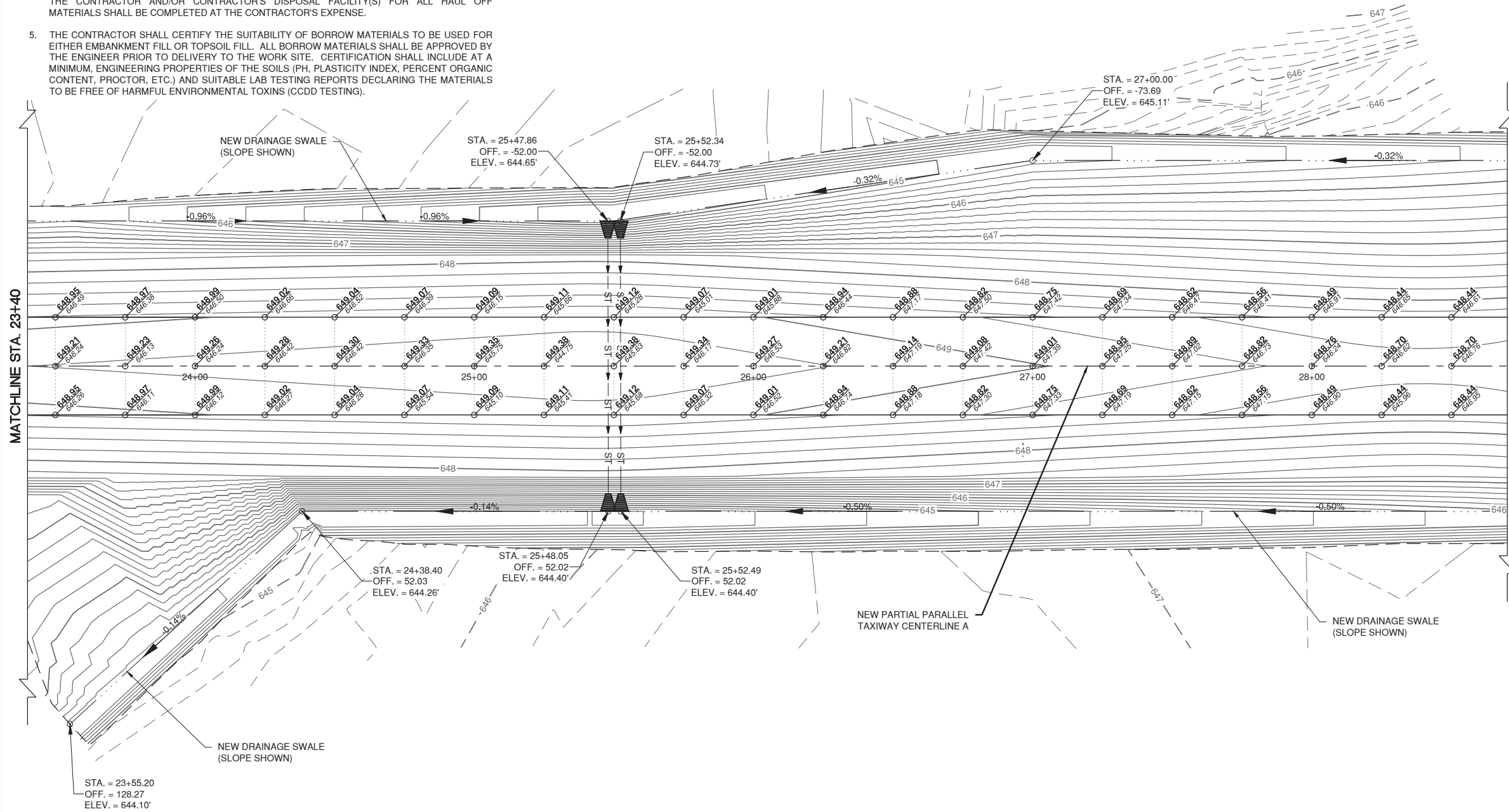
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CMT PROJECT NO.	1505402
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DESIGNED BY:	NRF/CDU
DRAWN BY:	CMT
CHECKED BY:	AJB
APPROVED BY:	CBG

SHEET TITLE

STAKING PLAN 3

CP104
SHEET 12 OF 41



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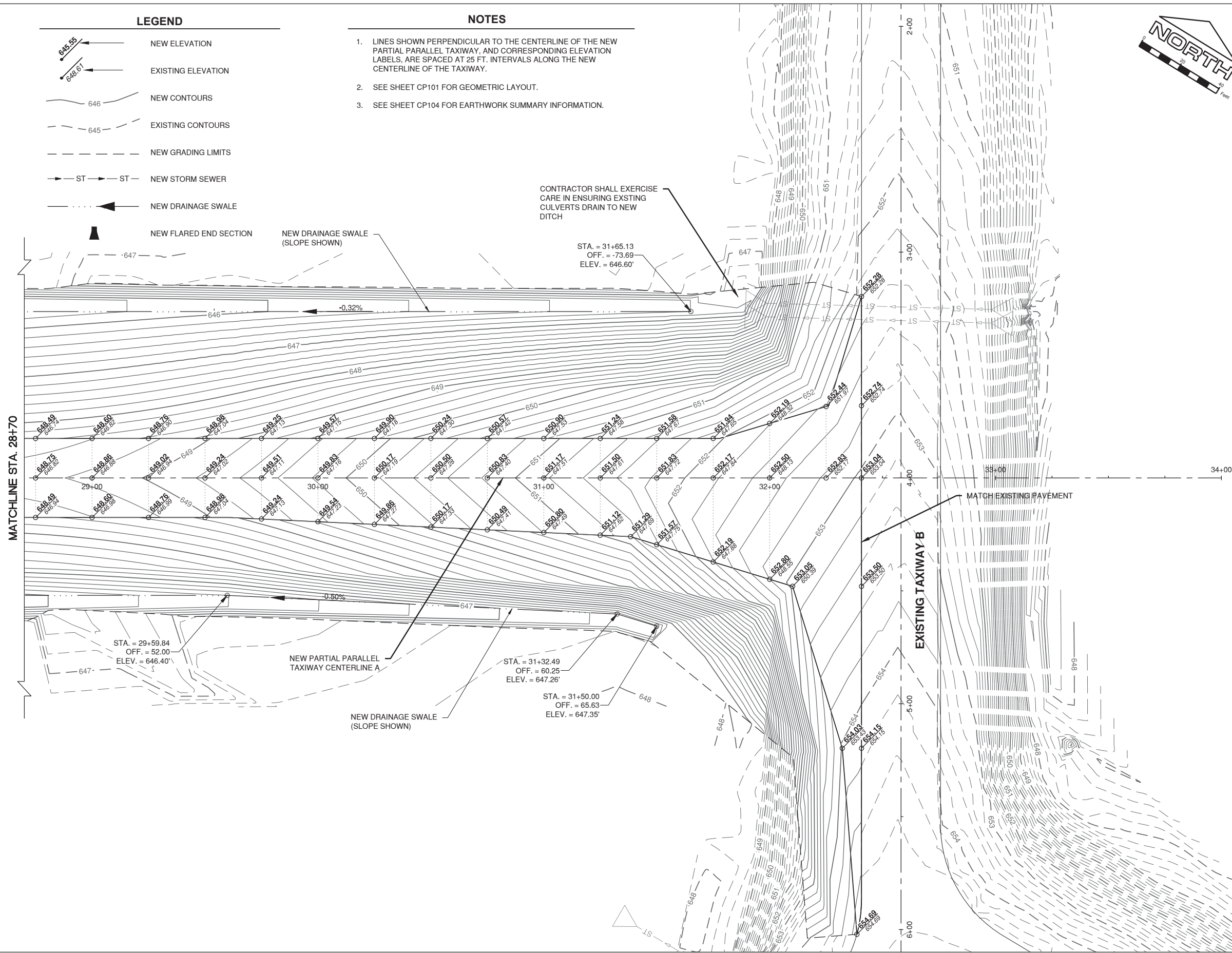
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- EXISTING ELEVATION
- NEW CONTOURS
- EXISTING CONTOURS
- NEW GRADING LIMITS
- NEW STORM SEWER
- NEW DRAINAGE SWALE
- NEW FLARED END SECTION
- NEW DRAINAGE SWALE (SLOPE SHOWN)

NOTES

1. LINES SHOWN PERPENDICULAR TO THE CENTERLINE OF THE NEW PARTIAL PARALLEL TAXIWAY, AND CORRESPONDING ELEVATION LABELS, ARE SPACED AT 25 FT. INTERVALS ALONG THE NEW CENTERLINE OF THE TAXIWAY.
2. SEE SHEET CP101 FOR GEOMETRIC LAYOUT.
3. SEE SHEET CP104 FOR EARTHWORK SUMMARY INFORMATION.



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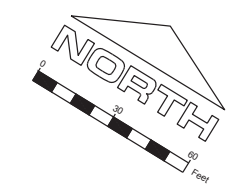
CONSTRUCT WESTERN PARTIAL PARALLEL TAXIWAY TO RUNWAY 6

OWNER

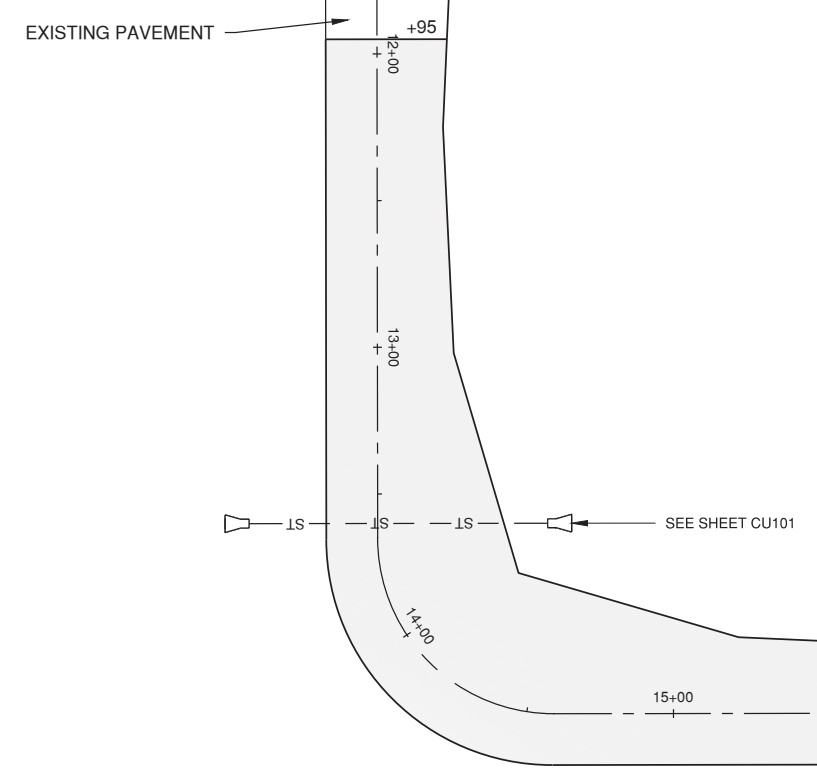
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PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION
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		CMT PROJECT NO: 1505402
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		DESIGNED BY: NRF/CDU
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		CHECKED BY: AJB
		APPROVED BY: CBG

SHEET TITLE
STAKING PLAN 4



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- LEGEND**
- EXISTING PAVEMENT
 - NEW PAVEMENT
 - ST NEW STORM SEWER
 - NEW FLARED END SECTION

CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

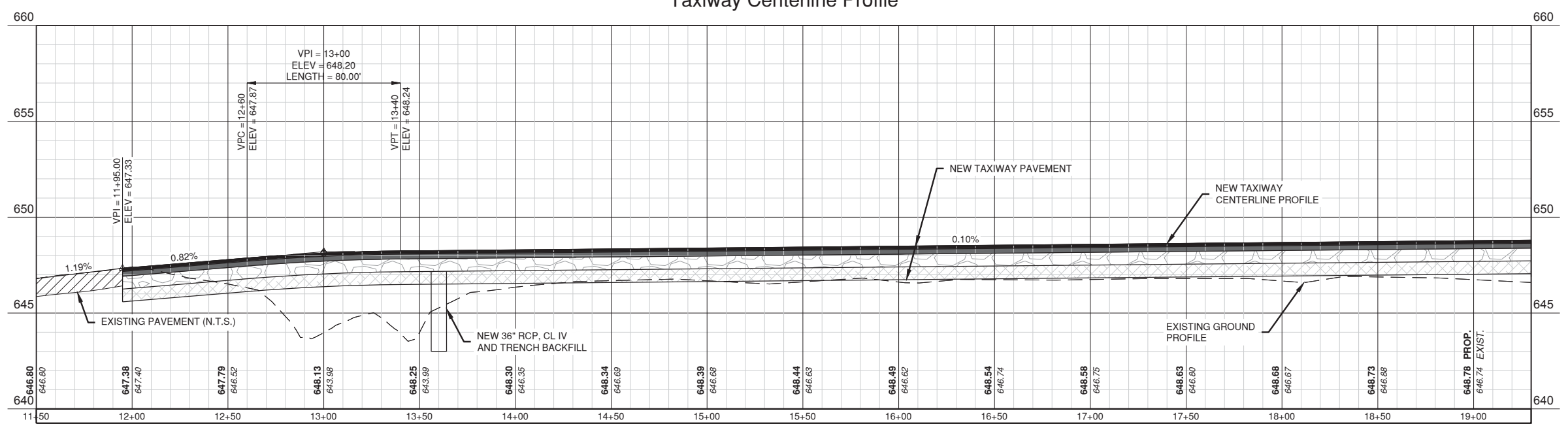
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PONTIAC, ILLINOIS

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SHEET TITLE
PLAN & PROFILE 1


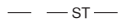
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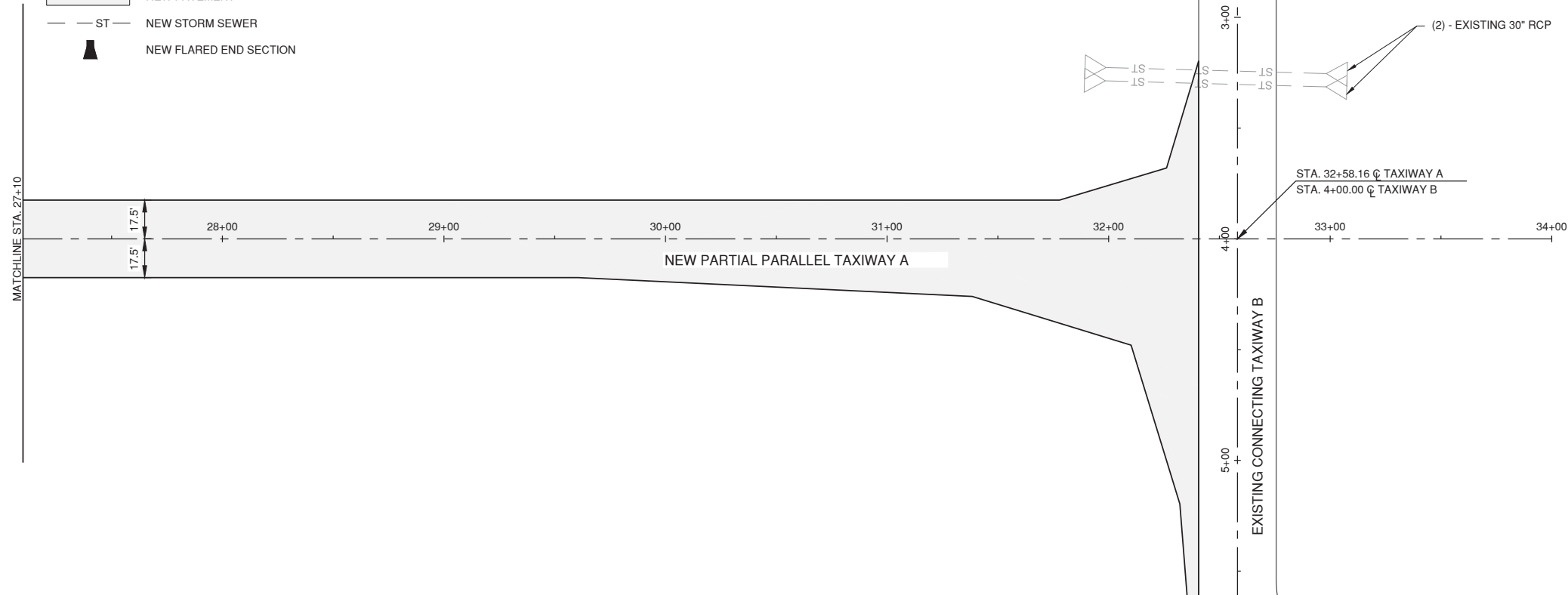
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LEGEND

-  EXISTING PAVEMENT
-  NEW PAVEMENT
-  NEW STORM SEWER
-  NEW FLARED END SECTION



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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

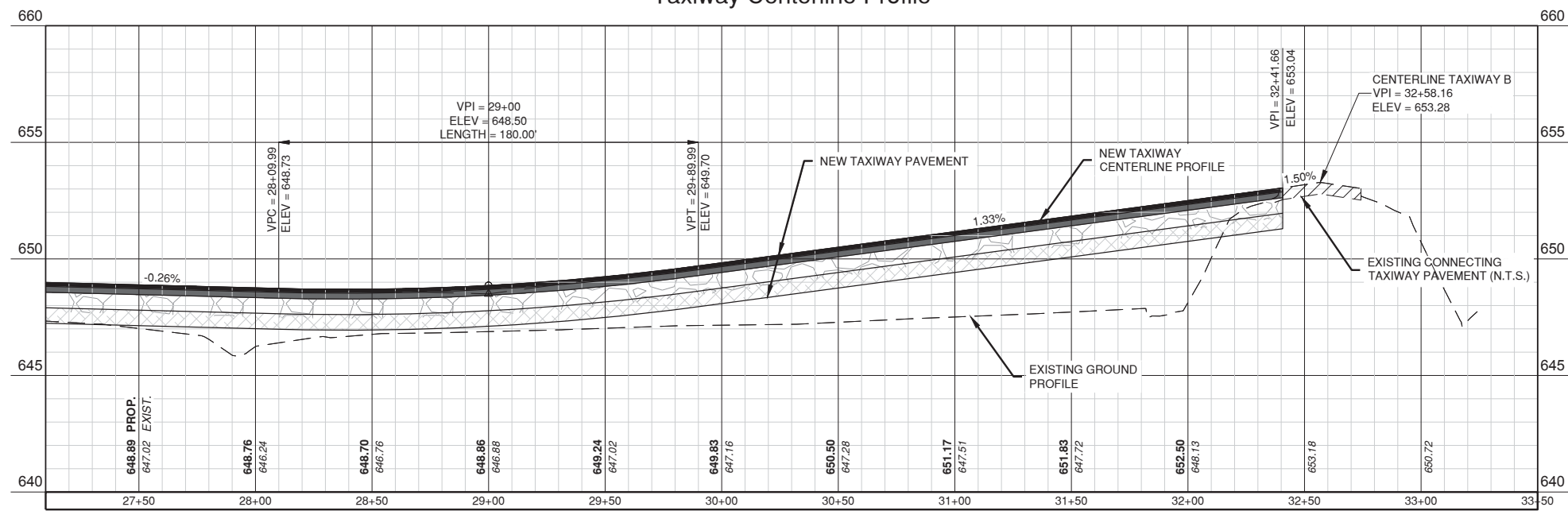
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SHEET TITLE
PLAN & PROFILE 3

SHEET **20** OF **41**
CP203

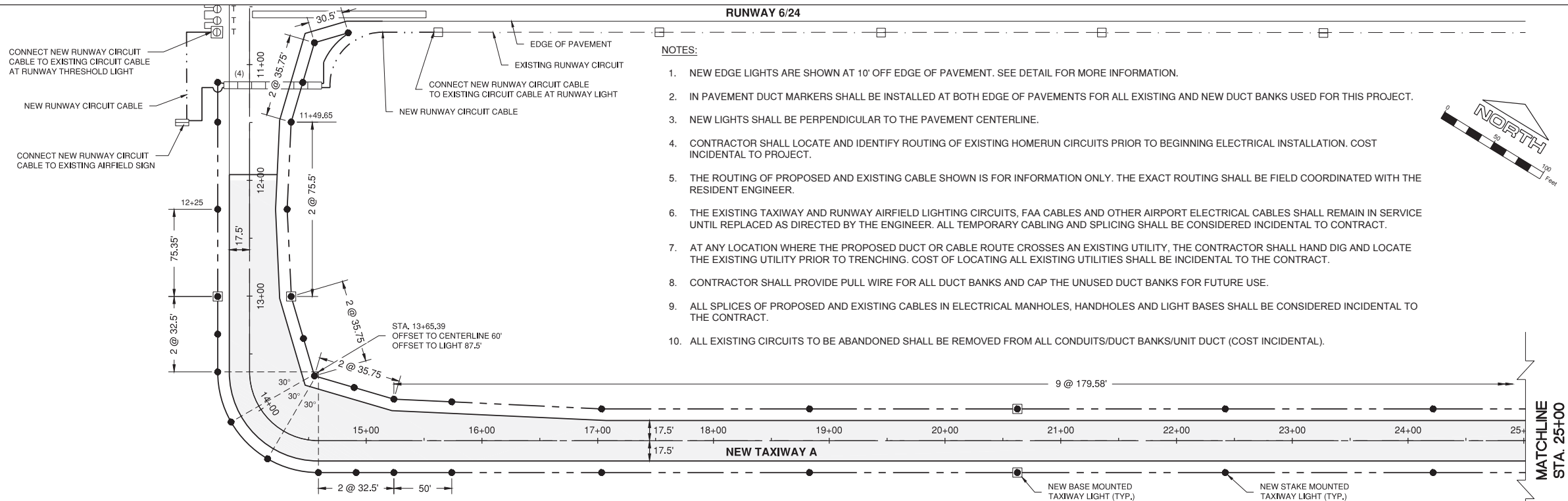
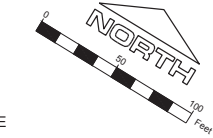
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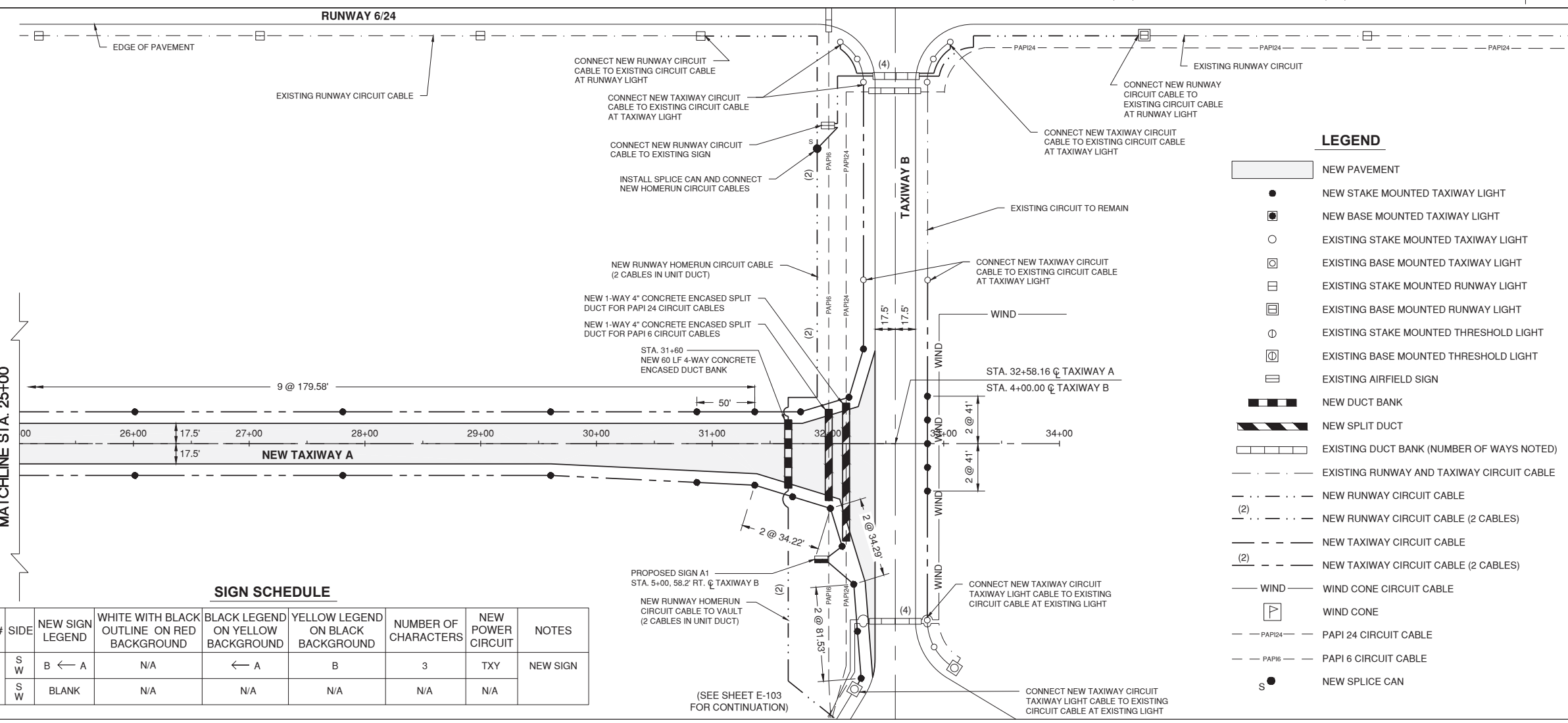
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- NOTES:**
1. NEW EDGE LIGHTS ARE SHOWN AT 10' OFF EDGE OF PAVEMENT. SEE DETAIL FOR MORE INFORMATION.
 2. IN PAVEMENT DUCT MARKERS SHALL BE INSTALLED AT BOTH EDGE OF PAVEMENTS FOR ALL EXISTING AND NEW DUCT BANKS USED FOR THIS PROJECT.
 3. NEW LIGHTS SHALL BE PERPENDICULAR TO THE PAVEMENT CENTERLINE.
 4. CONTRACTOR SHALL LOCATE AND IDENTIFY ROUTING OF EXISTING HOMERUN CIRCUITS PRIOR TO BEGINNING ELECTRICAL INSTALLATION. COST INCIDENTAL TO PROJECT.
 5. THE ROUTING OF PROPOSED AND EXISTING CABLE SHOWN IS FOR INFORMATION ONLY. THE EXACT ROUTING SHALL BE FIELD COORDINATED WITH THE RESIDENT ENGINEER.
 6. THE EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER AIRPORT ELECTRICAL CABLES SHALL REMAIN IN SERVICE UNTIL REPLACED AS DIRECTED BY THE ENGINEER. ALL TEMPORARY CABLING AND SPLICING SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
 7. AT ANY LOCATION WHERE THE PROPOSED DUCT OR CABLE ROUTE CROSSES AN EXISTING UTILITY, THE CONTRACTOR SHALL HAND DIG AND LOCATE THE EXISTING UTILITY PRIOR TO TRENCHING. COST OF LOCATING ALL EXISTING UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT.
 8. CONTRACTOR SHALL PROVIDE PULL WIRE FOR ALL DUCT BANKS AND CAP THE UNUSED DUCT BANKS FOR FUTURE USE.
 9. ALL SPLICES OF PROPOSED AND EXISTING CABLES IN ELECTRICAL MANHOLES, HANDHOLES AND LIGHT BASES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 10. ALL EXISTING CIRCUITS TO BE ABANDONED SHALL BE REMOVED FROM ALL CONDUITS/DUCT BANKS/UNIT DUCT (COST INCIDENTAL).



- LEGEND**
- NEW PAVEMENT
 - NEW STAKE MOUNTED TAXIWAY LIGHT
 - NEW BASE MOUNTED TAXIWAY LIGHT
 - EXISTING STAKE MOUNTED TAXIWAY LIGHT
 - EXISTING BASE MOUNTED TAXIWAY LIGHT
 - EXISTING STAKE MOUNTED RUNWAY LIGHT
 - EXISTING BASE MOUNTED RUNWAY LIGHT
 - ⊙ EXISTING STAKE MOUNTED THRESHOLD LIGHT
 - ⊙ EXISTING BASE MOUNTED THRESHOLD LIGHT
 - EXISTING AIRFIELD SIGN
 - ▨ NEW DUCT BANK
 - ▨ NEW SPLIT DUCT
 - ▨ EXISTING DUCT BANK (NUMBER OF WAYS NOTED)
 - EXISTING RUNWAY AND TAXIWAY CIRCUIT CABLE
 - - - NEW RUNWAY CIRCUIT CABLE
 - (2) - - - NEW RUNWAY CIRCUIT CABLE (2 CABLES)
 - - - NEW TAXIWAY CIRCUIT CABLE
 - (2) - - - NEW TAXIWAY CIRCUIT CABLE (2 CABLES)
 - WIND --- WIND CONE CIRCUIT CABLE
 - WIND CONE
 - PAPI24 --- PAPI 24 CIRCUIT CABLE
 - PAPI6 --- PAPI 6 CIRCUIT CABLE
 - S ● NEW SPLICE CAN

SIGN SCHEDULE

SIGN #	SIDE	NEW SIGN LEGEND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	NUMBER OF CHARACTERS	NEW POWER CIRCUIT	NOTES
A-1	S	B ← A	N/A	← A	B	3	TXY	NEW SIGN
	W	BLANK	N/A	N/A	N/A	N/A	N/A	

CONSTRUCT WESTERN PARTIAL PARALLEL TAXIWAY TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION
		AIP PROJ. NO. 3-17-SBGP-105
		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: PROPOSED ELECTRICAL LAYOUT.DWG
		DESIGNED BY: NRF/CDU
		DRAWN BY: CMT
		CHECKED BY: AJB
		APPROVED BY: CBG

PROPOSED ELECTRICAL LAYOUT

Path: K:\Pontiac\AP\150540200\DrawSheets\PROPOSED ELECTRICAL LAYOUT.DWG
 Date: Tuesday, March 14, 2017 4:56:44 PM



License No. 184-000613
CONSULTANTS



EQUIPMENT NOMENCLATURE

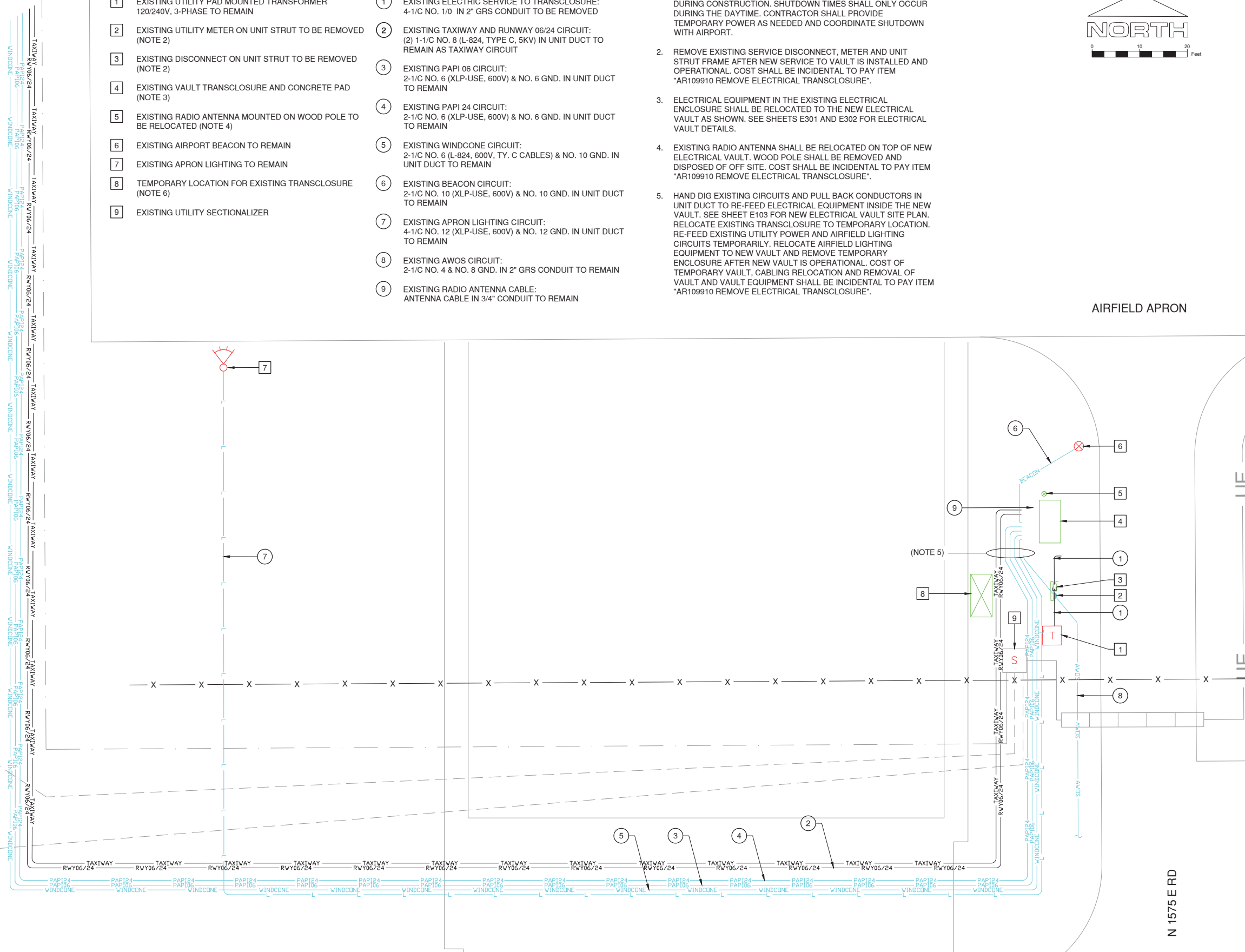
- 1 EXISTING UTILITY PAD MOUNTED TRANSFORMER 120/240V, 3-PHASE TO REMAIN
- 2 EXISTING UTILITY METER ON UNIT STRUT TO BE REMOVED (NOTE 2)
- 3 EXISTING DISCONNECT ON UNIT STRUT TO BE REMOVED (NOTE 2)
- 4 EXISTING VAULT TRANSCLOSURE AND CONCRETE PAD (NOTE 3)
- 5 EXISTING RADIO ANTENNA MOUNTED ON WOOD POLE TO BE RELOCATED (NOTE 4)
- 6 EXISTING AIRPORT BEACON TO REMAIN
- 7 EXISTING APRON LIGHTING TO REMAIN
- 8 TEMPORARY LOCATION FOR EXISTING TRANSCLOSURE (NOTE 6)
- 9 EXISTING UTILITY SECTIONALIZER

CABLE/CONDUIT NOMENCLATURE

- 1 EXISTING ELECTRIC SERVICE TO TRANSCLOSURE: 4-1/C NO. 1/0 IN 2" GRS CONDUIT TO BE REMOVED
- 2 EXISTING TAXIWAY AND RUNWAY 06/24 CIRCUIT: (2) 1-1/C NO. 8 (L-824, TYPE C, 5KV) IN UNIT DUCT TO REMAIN AS TAXIWAY CIRCUIT
- 3 EXISTING PAPI 06 CIRCUIT: 2-1/C NO. 6 (XLP-USE, 600V) & NO. 6 GND. IN UNIT DUCT TO REMAIN
- 4 EXISTING PAPI 24 CIRCUIT: 2-1/C NO. 6 (XLP-USE, 600V) & NO. 6 GND. IN UNIT DUCT TO REMAIN
- 5 EXISTING WINDCONE CIRCUIT: 2-1/C NO. 6 (L-824, 600V, TY. C CABLES) & NO. 10 GND. IN UNIT DUCT TO REMAIN
- 6 EXISTING BEACON CIRCUIT: 2-1/C NO. 10 (XLP-USE, 600V) & NO. 10 GND. IN UNIT DUCT TO REMAIN
- 7 EXISTING APRON LIGHTING CIRCUIT: 4-1/C NO. 12 (XLP-USE, 600V) & NO. 12 GND. IN UNIT DUCT TO REMAIN
- 8 EXISTING AWOS CIRCUIT: 2-1/C NO. 4 & NO. 8 GND. IN 2" GRS CONDUIT TO REMAIN
- 9 EXISTING RADIO ANTENNA CABLE: ANTENNA CABLE IN 3/4" CONDUIT TO REMAIN

NOTES

1. EXISTING AIRFIELD LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. SHUTDOWN TIMES SHALL ONLY OCCUR DURING THE DAYTIME. CONTRACTOR SHALL PROVIDE TEMPORARY POWER AS NEEDED AND COORDINATE SHUTDOWN WITH AIRPORT.
2. REMOVE EXISTING SERVICE DISCONNECT, METER AND UNIT STRUT FRAME AFTER NEW SERVICE TO VAULT IS INSTALLED AND OPERATIONAL. COST SHALL BE INCIDENTAL TO PAY ITEM "AR109910 REMOVE ELECTRICAL TRANSCLOSURE".
3. ELECTRICAL EQUIPMENT IN THE EXISTING ELECTRICAL ENCLOSURE SHALL BE RELOCATED TO THE NEW ELECTRICAL VAULT AS SHOWN. SEE SHEETS E301 AND E302 FOR ELECTRICAL VAULT DETAILS.
4. EXISTING RADIO ANTENNA SHALL BE RELOCATED ON TOP OF NEW ELECTRICAL VAULT. WOOD POLE SHALL BE REMOVED AND DISPOSED OF OFF SITE. COST SHALL BE INCIDENTAL TO PAY ITEM "AR109910 REMOVE ELECTRICAL TRANSCLOSURE".
5. HAND DIG EXISTING CIRCUITS AND PULL BACK CONDUCTORS IN UNIT DUCT TO RE-FEED ELECTRICAL EQUIPMENT INSIDE THE NEW VAULT. SEE SHEET E103 FOR NEW ELECTRICAL VAULT SITE PLAN. RELOCATE EXISTING TRANSCLOSURE TO TEMPORARY LOCATION. RE-FEED EXISTING UTILITY POWER AND AIRFIELD LIGHTING CIRCUITS TEMPORARILY. RELOCATE AIRFIELD LIGHTING EQUIPMENT TO NEW VAULT AND REMOVE TEMPORARY ENCLOSURE AFTER NEW VAULT IS OPERATIONAL. COST OF TEMPORARY VAULT, CABLING RELOCATION AND REMOVAL OF VAULT AND VAULT EQUIPMENT SHALL BE INCIDENTAL TO PAY ITEM "AR109910 REMOVE ELECTRICAL TRANSCLOSURE".



CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION
		AIP PROJ. NO. 3-17-SBGP-105
		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: ELECTRICAL DEMOLITION PLAN.DWG
		DESIGNED BY: AB
		DRAWN BY: CPT
		CHECKED BY: AJB
		APPROVED BY: CBG

SHEET TITLE
**ELECTRICAL
DEMOLITION PLAN**

SHEET **22** OF **41**
E102

(SEE SHEET E-101 FOR CONTINUATION)

NOTES

1. EXISTING AIRFIELD LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. SHUTDOWN TIMES SHALL ONLY OCCUR DURING THE DAYTIME. CONTRACTOR SHALL PROVIDE TEMPORARY POWER AS NEEDED AND COORDINATE SHUTDOWN WITH AIRPORT.
2. CONTRACTOR SHALL INSTALL METER BASE AND C.T. CABINET PER UTILITY COMPANY REQUIREMENTS.
3. HAND DIG EXISTING CIRCUITS AND PULL BACK CONDUCTORS IN UNIT DUCT TO RE-FEED ELECTRICAL EQUIPMENT INSIDE THE NEW VAULT. SEE SHEETS E301 AND E302 FOR LOCATION OF ELECTRICAL EQUIPMENT.
4. INSTALL NEW 200A, 120/240, 3-PHASE ELECTRIC SERVICE. COORDINATE ALL WORK WITH UTILITY COMPANY. COST OF NEW ELECTRICAL SERVICE, REROUTING OF EXISTING CABLES AND COMPLETE NEW VAULT POWER DISTRIBUTION SHALL BE INCLUDED IN PAY ITEM "AR109200 INSTALL ELECTRICAL EQUIPMENT".
5. EXISTING TAXIWAY AND RUNWAY CIRCUIT SHALL BE CONVERTED TO SOLE USE AS THE HOMERUN FOR TAXIWAY CIRCUIT.

EQUIPMENT NOMENCLATURE

1. EXISTING UTILITY PAD MOUNTED TRANSFORMER 120/240V, 3-PHASE
2. "NEW" UTILITY METER AND C.T. CABINET. (NOTE 2)
3. "NEW" PRE-FABRICATED STEEL FRAME EQUIPMENT SHELTER, 14'Wx12'Dx9'H. SEE SPECIFICATIONS (NOTE 3)
4. EXISTING AIRPORT BEACON
5. EXISTING APRON LIGHTING

CABLE/CONDUIT NOMENCLATURE

1. "NEW" ELECTRIC SERVICE TO ELECTRICAL VAULT: 4-1/C NO. 4/0 (TYPE-USE) & NO. 2 GND. IN 3" GRS CONDUIT (NOTE 4)
2. EXISTING TAXIWAY AND RUNWAY CIRCUIT: SEE NOTE 5 1-1/C NO. 8 (L-824, TYPE C, 5 KV) IN UNIT DUCT 1-1/C NO. 8 (L-824, TYPE C, 5 KV) IN UNIT DUCT
3. "NEW" RUNWAY 06/24 CIRCUIT: (2) 1-1/C NO. 8 (L-824, TYPE C, 5 KV) IN 1" UNIT DUCT
4. EXISTING PAPI 24 CIRCUIT: 2-1/C NO. 6 (XLP-USE, 600V) & NO. 6 GND. IN UNIT DUCT
5. EXISTING PAPI 06 CIRCUIT: 2-1/C NO. 6 (XLP-USE, 600V) & NO. 6 GND. IN UNIT DUCT
6. EXISTING WINDCONE CIRCUIT: 2-1/C NO. 6 (L-824, 600V, TY. C CABLES) & NO. 10 GND. IN UNIT DUCT
7. EXISTING APRON LIGHTING CIRCUIT: 4-1/C NO. 12 (XLP-USE, 600V) & NO. 12 GND. IN UNIT DUCT
8. EXISTING BEACON CIRCUIT: 2-1/C NO. 10 (XLP-USE, 600V) & NO. 10 GND. IN UNIT DUCT
9. EXISTING AWOS CIRCUIT: 2-1/C NO. 4 & NO. 8 GND. IN 2" GRS CONDUIT



AIRFIELD APRON

FUTURE HANGAR

FUTURE HANGAR



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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

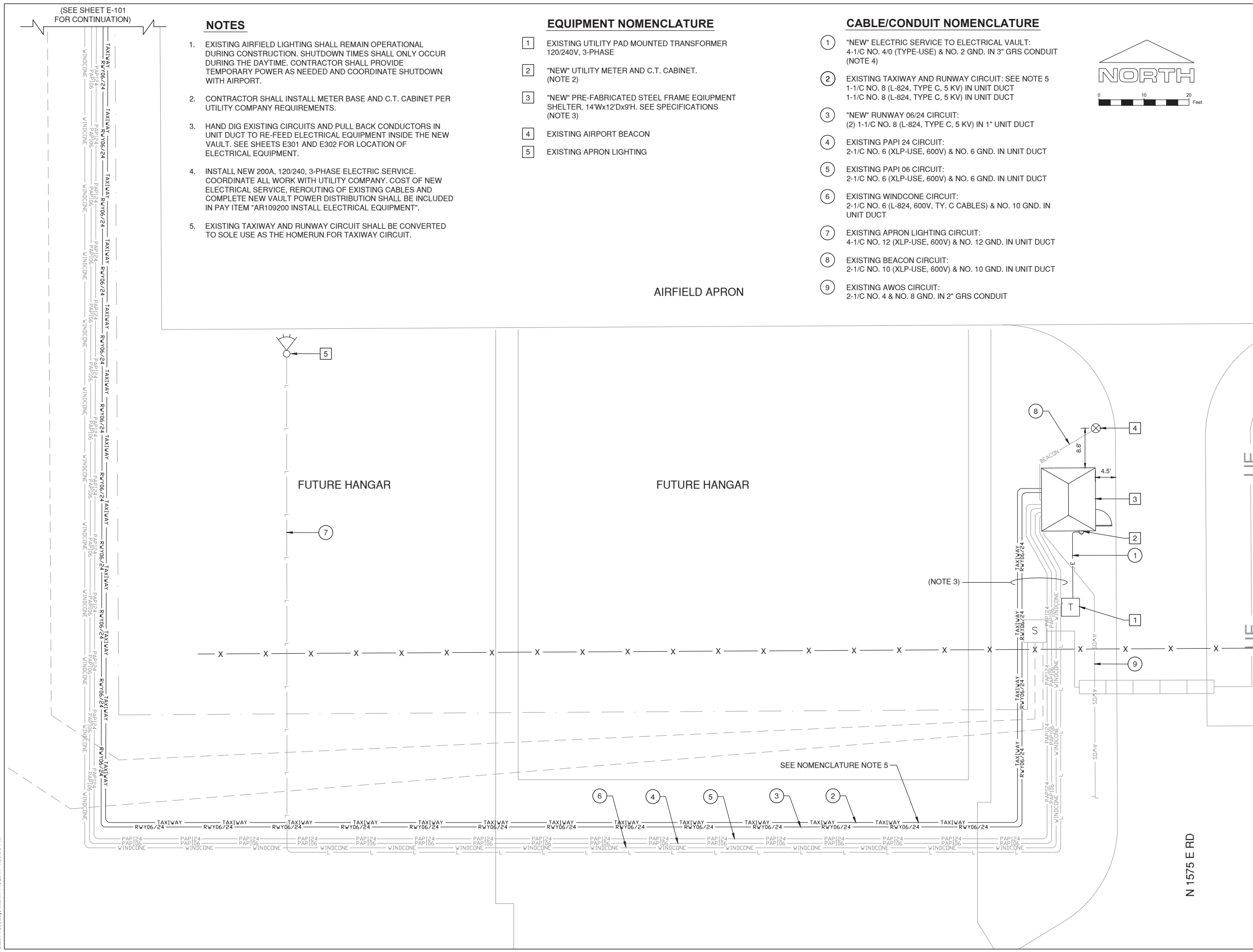
CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION
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		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: ELECTRICAL SITE PLAN.DWG
		DESIGNED BY: AB
		DRAWN BY: CPT
		CHECKED BY: AUB
		APPROVED BY: CBG

SHEET TITLE
**ELECTRICAL SITE
PLAN**

E103
SHEET 23 OF 41

Path: K:\Pontiac\AP\150540200\Draw\Sheets\ELECTRICAL SITE PLAN.dwg
Date: Tuesday, March 14, 2017 4:56:58 PM





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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

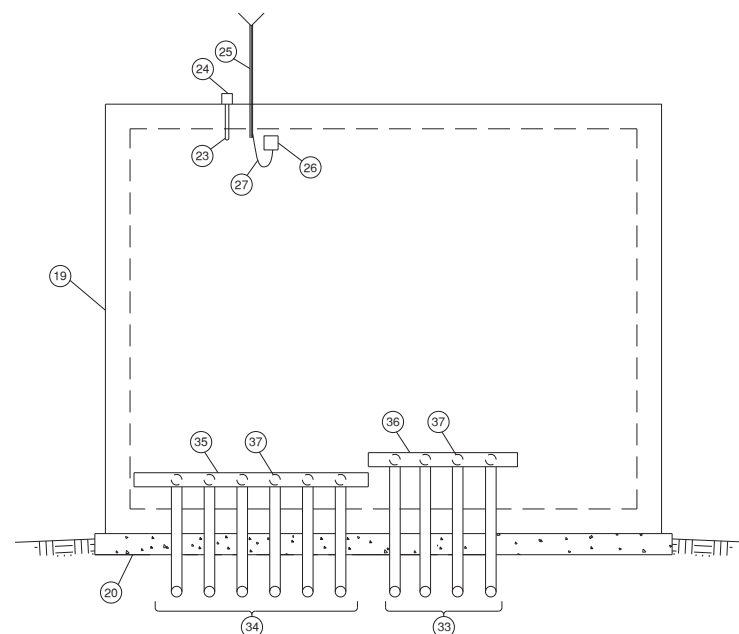
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		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: ELECTRICAL VAULT DETAILS.DWG
		DESIGNED BY: AB
		DRAWN BY: CPT
		CHECKED BY: AJB
		APPROVED BY: CBG

SHEET TITLE
**ELECTRICAL VAULT
DETAILS 1**

E301
SHEET 24 OF 41

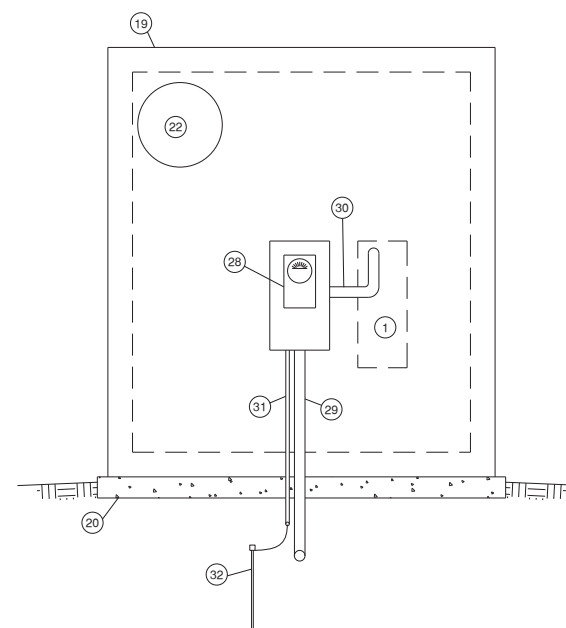
SECTION AND PLAN NOTES

- ① MAIN POWER PANEL, "PP-1", 42 POLE, 200A 120/240V, 3-PHASE, 4-WIRE WITH 200A, 3-POLE MAIN CIRCUIT BREAKER, SERVICE ENTRANCE RATED. SQUARE D OR EQUIVALENT. PROVIDE ENGRAVED NAMEPLATE READING "120/240V MAIN POWER PANEL".
- ② RELOCATED AWOS FEEDER CIRCUIT BREAKER, STEP-UP TRANSFORMER AND DISCONNECT.
- ③ RELOCATED REGULATOR, 7.5KW, 240V INPUT, 6.6A OUTPUT FOR RUNWAY 06/24. PROVIDE ENGRAVED NAMEPLATE READING "RUNWAY 06/24".
- ④ "NEW" HINGED NEMA 1 ENCLOSURE SIZED AS REQUIRED TO HOUSE RUNWAY 06/24 LIGHT, TRANSFORMER AND L-823 CONNECTORS. PROVIDE ENGRAVED NAMEPLATE READING: "RUNWAY 06/24 TRANSFORMER".
- ⑤ "NEW" ADB SCO SERIES CUTOFF, CAT #14T5.92.030 OR CROUSE-HINDS, FOR RUNWAY 06/24.
- ⑥ "NEW" REGULATOR, 10 KW, 240V INPUT, 6.6A OUTPUT PROVIDE ENGRAVED NAMEPLATE READING "TAXIWAY A".
- ⑦ "NEW" HINGED NEMA 1 ENCLOSURE SIZED AS REQUIRED TO HOUSE TAXIWAY LIGHT, TRANSFORMER AND L-823 CONNECTORS. PROVIDE ENGRAVED NAMEPLATE READING: "TAXIWAY TRANSFORMER".
- ⑧ "NEW" ADB SCO SERIES CUTOFF, CAT #14T5.92.030 OR CROUSE-HINDS, FOR TAXIWAY.
- ⑨ RELOCATED PAPI 06 STEP-UP TRANSFORMER (TOP) AND JUNCTION BOX (BOTTOM).
- ⑩ RELOCATED PAPI 24 STEP-UP TRANSFORMER (TOP) AND JUNCTION BOX (BOTTOM).
- ⑪ RELOCATED TIME CLOCK (TOP) AND APRON LIGHTS LIGHTING CONTACTOR (BOTTOM).
- ⑫ RELOCATED L-854 RADIO CONTROLLER (PCAL) (TOP) AND RELOCATED RADIO INTERFACE UNIT (RIU) (BOTTOM).
- ⑬ RELOCATED CONTROL RELAYS AND CONTACTOR (TOP) AND RELOCATED BEACON LIGHTING CONTROLS (BOTTOM).
- ⑭ "NEW" WALL HEATER, 3KW, 240V, SINGLE-PHASE WITH SURFACE MOUNT FRAME.
- ⑮ "NEW" SURFACE MOUNT LED LIGHT FIXTURE, LITHONIA FEM4LED-3L-35-IMAFL-120, HUBBEL OR EATON.
- ⑯ "NEW" EXTERIOR LED LIGHT FIXTURE, LITHONIA TWHLED-10C-1000-40K-T3M-120, HUBBEL OR EATON.
- ⑰ "NEW" 4"x4" NEMA 1 LOW VOLTAGE WIREWAY.
- ⑱ "NEW" 4"x4" NEMA 3R HIGH VOLTAGE WIREWAY. INSTALL AN ADHESIVE WARNING LABEL ON HINGED DOOR READING: "CAUTION: HIGH VOLTAGE".
- ⑲ "NEW" PRE-FABRICATED STEEL FRAME EQUIPMENT SHELTER, 14'Wx12'Dx9'H. SEE SPECIFICATIONS.
- ⑳ "NEW" 6" REINFORCED CONCRETE PAD ON A 6" CRUSHED AGG. BASE PAD COMPACTED TO 95% STD PROCTOR.
- ㉑ "NEW" INTAKE LOUVER, 24"Wx18"H, MIN. FREE AREA: 1.16 SQ. FT., WITH CD35 MOTORIZED DAMPER (POWER-OPEN/SPRING-CLOSE).
- ㉒ "NEW" EXHAUST FAN, 120V, 1/4HP, 1,017CFM.
- ㉓ "NEW" TWO #12 THWN (PHOTOCELL CONTROL), ONE #12 GROUND IN 3/4" GRS CONDUIT.
- ㉔ "NEW" PHOTOCELL.
- ㉕ RELOCATED RADIO CONTROLLER ANTENNA.
- ㉖ "NEW" 4"x4"x4" NEMA 4 JUNCTION BOX.
- ㉗ "NEW" RADIO CONTROLLER COAXIAL CABLE. EXIT BOTTOM OF JUNCTION BOX THROUGH WATERPROOF GROMMET.
- ㉘ "NEW" UTILITY METER AND C.T. CABINET. CONTRACTOR SHALL INSTALL METER BASE AND C.T. CABINET PER UTILITY COMPANY REQUIREMENTS.
- ㉙ 4-1/C NO. 4/0 TYPE USE CABLES (120/240V SERVICE) & NO. 2 GND. IN 3" GRS CONDUIT TO UTILITY TRANSFORMER SECONDARY.
- ㉚ 4-1/C NO. 4/0 TYPE USE CABLES (120/240V SERVICE), ONE #2 GROUND IN 3" GRS CONDUIT TO POWER PANEL "PP-1".
- ㉛ "NEW" 1-1/C NO. 2 BARE COPPER GROUND IN 1/2" PVC CONDUIT TO GROUND ROD.
- ㉜ "NEW" 3/4" DIAMETER x 10' LONG COPPERCLAD GROUND ROD. MIN. BURIAL: 1'-0". BOND GROUND WIRES TO GROUND ROD USING EXOTHERMIC WELD, CADWELD, OR EQUIVALENT. CLAMPED CONNECTIONS SHALL NOT BE ACCEPTABLE.
- ㉝ "NEW" 4-3" GRS CONDUITS MIN. 5'-0" FROM EDGE OF CONCRETE PAD (MIN. 1'-6" BELOW GRADE) INSTALL THE FOLLOWING NEW CIRCUITS:
 - 2-1/C #8, L-824, TY. C, 5KV CABLES IN 1" UNIT DUCT (RUNWAY 6/24 EDGE CIRCUITS) IN 1-3" GRS CONDUIT.
 - 2-1/C #8, L-824, TY. C, 5KV CABLES IN 1" UNIT DUCT (TAXIWAY EDGE CIRCUITS) IN 1-3" GRS CONDUIT.
 - UNUSED 3" GRS CONDUITS SHALL BE INSTALLED AND CAPPED FOR FUTURE USE.
- ㉞ "NEW" 6-3" GRS CONDUITS MIN. 5'-0" FROM EDGE OF CONCRETE PAD (MIN. 1'-6" BELOW GRADE) INSTALL AND REROUTE THE FOLLOWING EXISTING CIRCUITS:
 - TWO #6 USE (480V), ONE #8 GROUND IN 1-1/4" UNIT DUCT TO PAPI 06.
 - TWO #6 USE (480V), ONE #8 GROUND IN 1-1/4" UNIT DUCT TO PAPI 24.
 - TWO #6 USE (120V), ONE #8 GROUND IN 1-1/4" UNIT DUCT TO WINDCONE.
 - TWO #6 USE (480V), ONE #8 GROUND IN 1-1/4" UNIT DUCT TO AWOS.
 - TWO #10 USE (120V), ONE #10 GROUND IN 1" UNIT DUCT TO BEACON.
 - TWO #4 USE (240V), ONE #8 GROUND IN 2" UNIT DUCT TO APRON LIGHTING.
 - UNUSED 3" GRS CONDUITS SHALL BE INSTALLED AND CAPPED FOR FUTURE USE.
- ㉟ 4"x4" NEMA 3R LOW VOLTAGE WIREWAY. MOUNT AT SAME HEIGHT AS INTERIOR LOW VOLTAGE WIREWAY.
- ㊱ 4"x4" NEMA 3R HIGH VOLTAGE WIREWAY. MOUNT AT SAME HEIGHT AS INTERIOR HIGH VOLTAGE WIREWAY. INSTALL AN ADHESIVE WARNING LABEL ON HINGED DOOR READING: "CAUTION: HIGH VOLTAGE".
- ㊲ 3" GRS CONDUIT NIPPLES AS NEEDED BETWEEN INTERIOR AND EXTERIOR WIREWAYS.



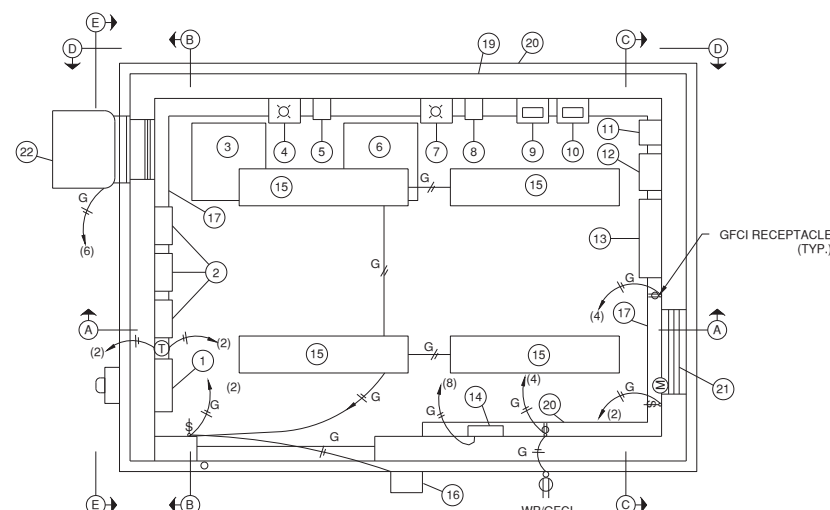
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N.T.S.



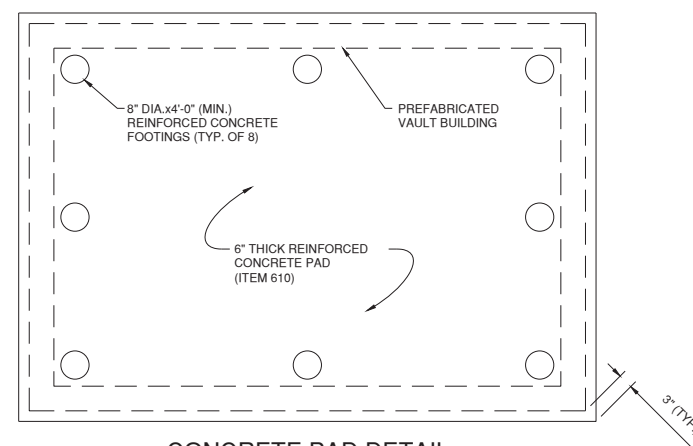
SECTION E

N.T.S.



VAULT PLAN

N.T.S.



CONCRETE PAD DETAIL

N.T.S.

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Date: Tuesday, March 14, 2017 4:57:03 PM



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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION
		AIP PROJ. NO. 3-17-SBGP-105
		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: 1505402-E302.DWG
		DESIGNED BY: AB
		DRAWN BY: CPT
		CHECKED BY: AJB
		APPROVED BY: CBG

SHEET TITLE
**ELECTRICAL VAULT
DETAILS 2**

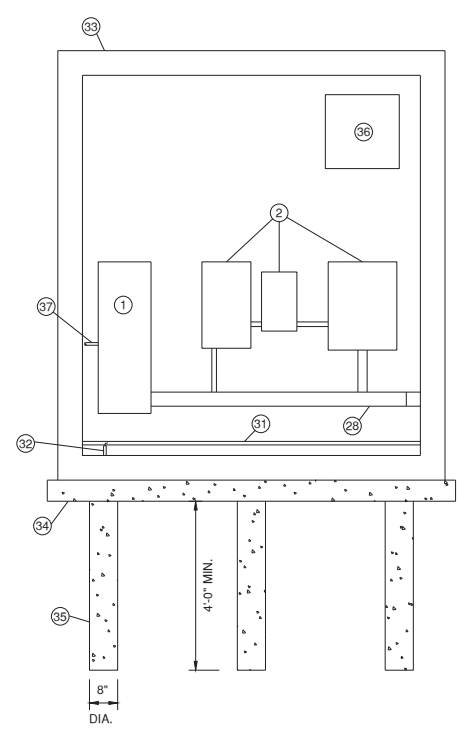
E302
SHEET 25 OF 41

VAULT ELEVATION LEGEND

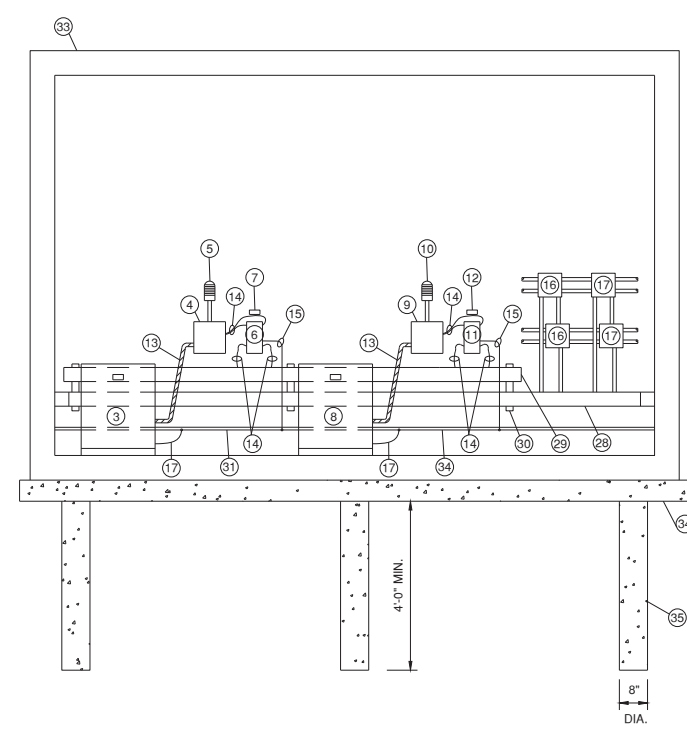
- ① MAIN POWER PANEL, "PP-1", 42 POLE, 200A 120/240V, 3-PHASE, 4-WIRE WITH 200A, 3-POLE MAIN CIRCUIT BREAKER, SERVICE ENTRANCE RATED. SQUARE D OR EQUIVALENT. PROVIDE ENGRAVED NAMEPLATE READING "120/240V MAIN POWER PANEL".
- ② RELOCATED AWOS FEEDER CIRCUIT BREAKER, STEP-UP TRANSFORMER AND DISCONNECT.
- ③ RELOCATED REGULATOR, 7.5KW, 240V INPUT, 6.6A OUTPUT FOR RUNWAY 06/24.
- ④ "NEW" HINGED NEMA 1 ENCLOSURE SIZED AS REQUIRED TO HOUSE RUNWAY 06/24 LIGHT, TRANSFORMER AND L-823 CONNECTORS. PROVIDE ENGRAVED NAMEPLATE READING: "RUNWAY 06/24 TRANSFORMER".
- ⑤ RUNWAY EDGE LIGHT, MOUNTED TO TOP OF NEMA 1 ENCLOSURE.
- ⑥ "NEW" ADB SCO SERIES CUTOUT, CAT #14T5.92.030 OR CROUSE-HINDS, FOR RUNWAY 06/24.
- ⑦ ENGRAVED NAME PLATE READING: "RUNWAY 06/24 PLUG CUTOUT"
- ⑧ "NEW" REGULATOR, 10 KW, 240V INPUT, 6.6A OUTPUT PROVIDE ENGRAVED NAMEPLATE READING "TAXIWAY A".
- ⑨ "NEW" HINGED NEMA 1 ENCLOSURE SIZED AS REQUIRED TO HOUSE TAXIWAY LIGHT, TRANSFORMER AND L-823 CONNECTORS. PROVIDE ENGRAVED NAMEPLATE READING: "TAXIWAY TRANSFORMER".
- ⑩ TAXIWAY LIGHT, MOUNTED TO TOP OF NEMA 1 ENCLOSURE.
- ⑪ "NEW" ADB SCO SERIES CUTOUT, CAT #14T5.92.030 OR CROUSE-HINDS, FOR TAXIWAY.
- ⑫ ENGRAVED NAME PLATE READING: "TAXIWAY A PLUG CUTOUT"
- ⑬ 2-1/C, #8, L-824, TYPE C, 5 KV IN 1-1/2" LIQUIDTIGHT FLEXIBLE CONDUIT.
- ⑭ 2-1/C, #8, L-824, TYPE C, 5 KV CABLES. WHERE CABLES ENTER TOP OF HIGH VOLTAGE WIREWAY, CONTRACTOR SHALL INSTALL GROMMETS TO SEAL AROUND CABLES.
- ⑮ 1-1/C, #8, L-824, TYPE C, 5 KV CABLE. ROUTE BEHIND BOTH WIREWAYS AND CLAMP TO VAULT GROUND BUS.
- ⑯ RELOCATED PAPI 06 STEP-UP TRANSFORMER (TOP) AND JUNCTION BOX (BOTTOM).
- ⑰ RELOCATED PAPI 24 STEP-UP TRANSFORMER (TOP) AND JUNCTION BOX (BOTTOM).
- ⑱ RELOCATED TIME CLOCK.
- ⑲ RELOCATED APRON LIGHTS LIGHTING CONTACTOR.
- ⑳ RELOCATED L-854 RADIO CONTROLLER (PCAL).
- ㉑ RELOCATED RADIO INTERFACE UNIT (RIU).
- ㉒ RELOCATED CONTROL RELAYS AND CONTACTOR.
- ㉓ RELOCATED BEACON LIGHTING CONTROLS.
- ㉔ "NEW" PHOTOCELL.
- ㉕ "NEW" TWO #12 THWN (PHOTOCELL CONTROL), ONE #12 GROUND IN 3/4" GRS CONDUIT.
- ㉖ RELOCATED RADIO CONTROLLER ANTENNA.
- ㉗ ANTENNA CABLE IN 3/4" GRS CONDUIT.
- ㉘ "NEW" 4"x4" NEMA 1 LOW VOLTAGE WIREWAY.
- ㉙ "NEW" 4"x4" NEMA 3R HIGH VOLTAGE WIREWAY. INSTALL AN ADHESIVE WARNING LABEL ON HINGED DOOR READING: "CAUTION: HIGH VOLTAGE".
- ㉚ STAND-OFF MOUNT BOTH HIGH VOLTAGE WIREWAY AND LOW VOLTAGE WIREWAY ON THIS WALL ONLY USING STRUT-TYPE SUPPORTS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL BE 5'-0".
- ㉛ "NEW" 1/8"x3/4" COPPER GROUND BUS, ALL AROUND INSIDE OF VAULT. STAND-OFF MOUNT, 1/4" FROM WALL.
- ㉜ "NEW" #2 INSULATED COPPER GROUND WIRE IN 1/2" PVC CONDUIT TO EXTERIOR VAULT GROUND RING. CLAMP GROUND WIRE TO INTERIOR VAULT GROUND BUS.
- ㉝ "NEW" PRE-FABRICATED STEEL FRAME EQUIPMENT SHELTER, 14'Wx12'Dx9'H. SEE SPECIFICATIONS.
- ㉞ "NEW" 6" REINFORCED WITH #4 REBARS 12" CENTER EACH WAY CONCRETE PAD ON A 6" CRUSHED AGG. BASE PAD COMPACTED TO 95% STD PROCTOR.
- ㉟ "NEW" REINFORCED WITH #4 REBAR CAGE CONCRETE PAD FOOTINGS, TYPICAL OF 8.
- ㊱ "NEW" EXHAUST FAN, 120V, 1/4HP, 1,017CFM.
- ㊲ "NEW" TWO #12 THWN, ONE #12 GROUND IN 3/4" GRS CONDUIT FOR LIGHTING AND RECEPTACLE CIRCUITS.

VAULT GROUNDING & BONDING NOTES

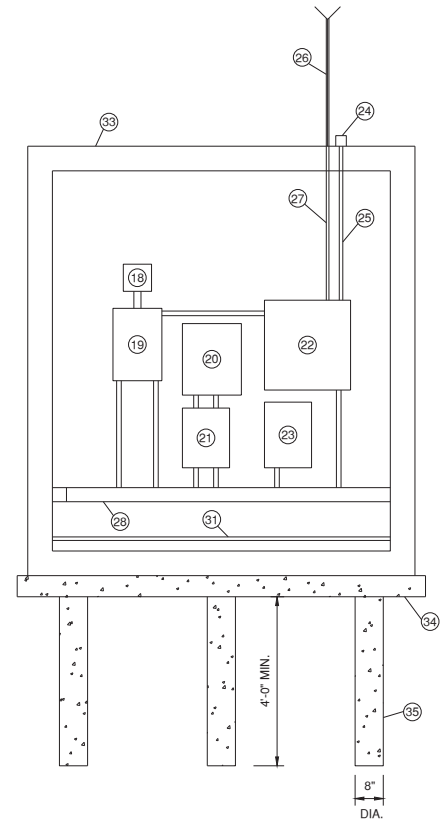
- ① 3/4" DIAMETER x 10' LONG COPPERCLAD GROUND ROD. BOND GROUND WIRES TO GROUND ROD USING EXOTHERMIC WELD. CLAMPED CONNECTIONS SHALL NOT BE ACCEPTABLE.
- ② #2/0 BARE COPPER GROUND WIRE.
- ③ #2 INSULATED GROUND WIRE. INSTALL IN 1/2" PVC CONDUIT TO 1'-0" BELOW GRADE.
- ④ CLAMP #2 INSULATED GROUND WIRE TO VAULT GROUND BUS.
- ⑤ VAULT GROUND BUS, 1/8"x3/4" COPPER BUS BAR. STAND-OFF MOUNT, 6" MINIMUM ABOVE VAULT FLOOR ON ALL SIDES.
- ⑥ PRE-FABRICATED EQUIPMENT SHELTER, 14'Wx12'Dx9'H. SEE SPECIFICATIONS.
- ⑦ 6" THICK REINFORCED CONCRETE VAULT PAD. REINFORCEMENT SHALL BE #4 @12" CENTER EACH WAY.



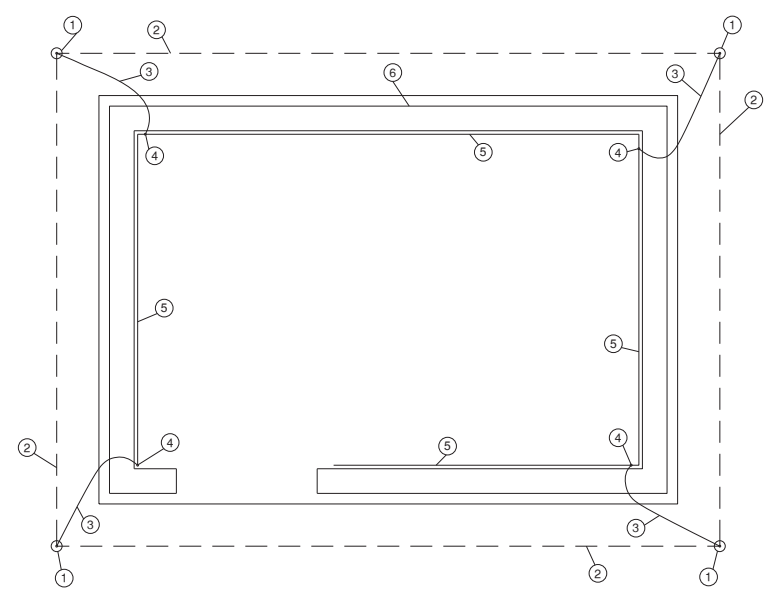
SECTION B
N.T.S.



SECTION A
N.T.S.

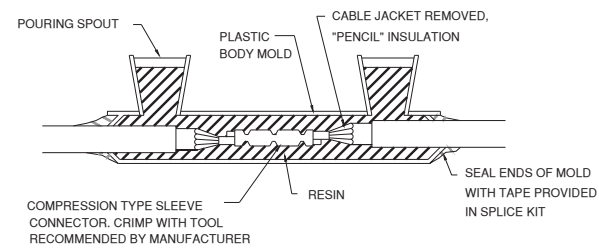


SECTION C
N.T.S.



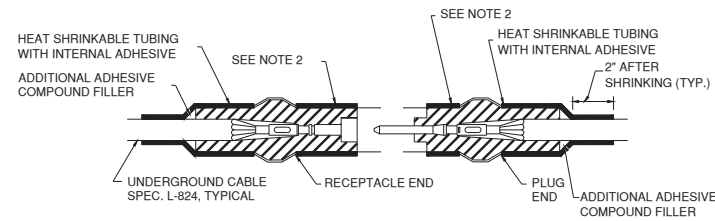
VAULT GROUNDING & BONDING PLAN
N.T.S.

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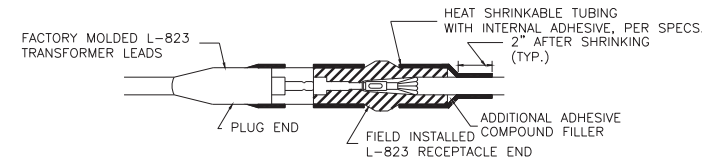
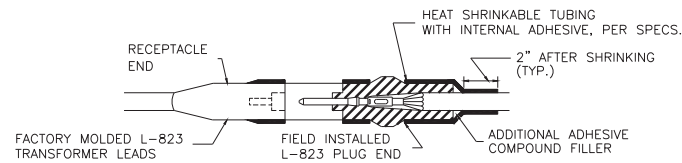
TYPE A - CABLE SPLICE

FOR SPLICES IN HOMERUNS AND FOR EXTENSIONS TO EXISTING CABLES ONLY
N.T.S.



TYPE B - CABLE SPLICE

FOR SPLICES FOR USE AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT
NOT TO SCALE

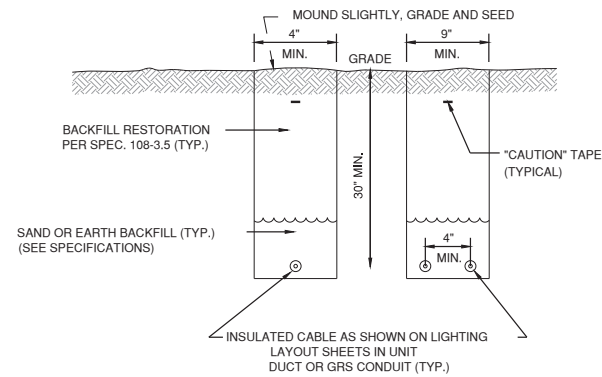


TYPE C AND D - CABLE SPLICE

FOR SPLICES AT RUNWAY/TAXIWAY LIGHTS AND SIGNS
NOT TO SCALE

CABLE SPLICE NOTES

- INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.
- WRAP WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.
- THE COST OF FURNISHING AND INSTALLING ALL SPLICE MATERIALS SHALL BE INCIDENTAL TO THE ASSOCIATED CABLE ITEMS.
- THE CONTRACTOR SHALL HAVE A MINIMUM OF TWO (2) TYPE A SPLICE KITS ON THE JOB SITE AT ALL TIMES FOR EMERGENCY REPAIRS.

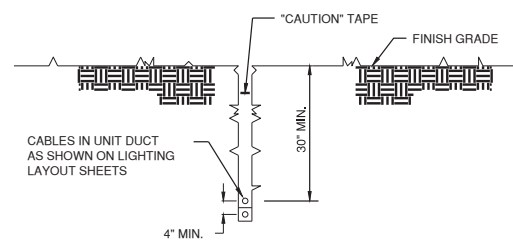


TURF AREA CABLE TRENCH DETAIL

NOT TO SCALE

NOTES

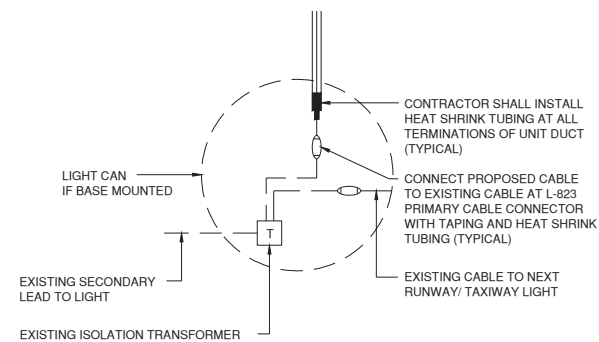
- TRENCHES WITH MORE THAN 2 CABLES SHALL BE INCREASED 4" IN WIDTH FOR EACH ADDITIONAL CABLE. IF SPECIFIED ON PLANS, TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
- DEPTH OF TRENCHES SHALL BE AS SHOWN UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- SAND BACKFILL SHALL BE USED IF THE EXISTING SOIL DOES NOT MEET THE BACKFILL REQUIREMENTS.
- ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL.



CABLE IN UNIT DUCT - PLOWED

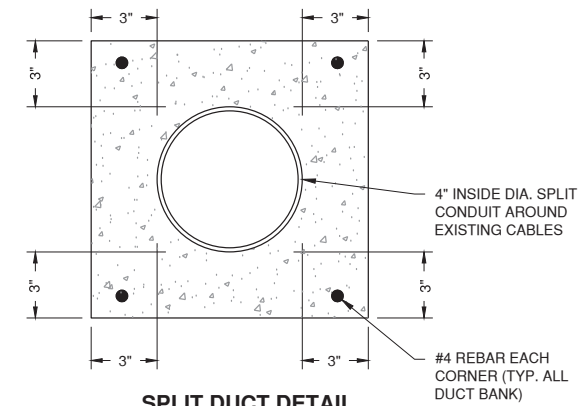
NOT TO SCALE

NOTE: CONTRACTOR SHALL HAVE THE OPTION TO TRENCH OR PLOW UNIT DUCT. NO ADDITIONAL PAYMENT SHALL BE MADE FOR TRENCHING.



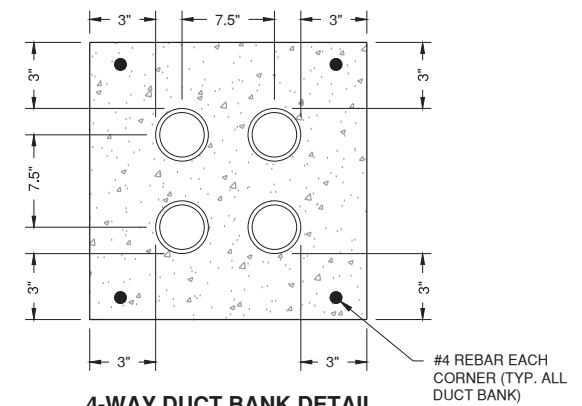
RUNWAY/TAXIWAY LIGHTING CIRCUIT CONNECTION DETAIL

NOT TO SCALE



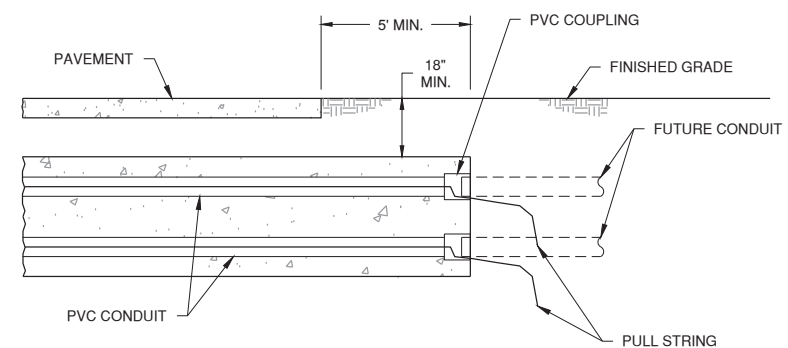
SPLIT DUCT DETAIL

N.T.S.



4-WAY DUCT BANK DETAIL

N.T.S.



TYPICAL SECTION

N.T.S.

NOTES

- DIMENSIONS SHOWN ARE MINIMUM.
- TOP OF CONCRETE ENCASEMENT SHALL BE NOT LESS THAN 24" BELOW FINISHED SUBGRADE BELOW PAVEMENTS AND NOT LESS THAN 24" BELOW FINISHED GRADE IN UNPAVED AREAS, EXCEPT WHERE DIRECTED OTHERWISE BY ENGINEER. AVOID ALL CONFLICTS WITH OTHER UTILITIES (UNDERDRAINS, WATER LINES, SEWER LINES, TELEPHONE, ELECTRICAL) OR OTHER OBSTACLES, ADJUSTING DEPTH AS NECESSARY.
- CONCRETE SHALL BE ITEM 610.
- CONDUIT FOR CONCRETE ENCASEMENT SHALL BE SCHEDULE 40 PVC, 4" NOMINAL DIAMETER, OR AS INDICATED ON THE PLANS.
- CONCRETE ENCASEMENT SHALL EXTEND A MINIMUM OF 5'-0" BEYOND EDGES OF PAVEMENT, OR AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
- #4 REBAR SHALL BE INSTALLED CONTINUOUS THE LENGTH OF THE CONCRETE ENCASEMENT.
- AT ENDS OF DUCT BANKS, INSTALL A PVC COUPLING FLUSH WITH END OF CONCRETE FOR CONNECTING FUTURE CONDUIT. INSTALL POLYETHYLENE PULL STRING. PLUG THE ENDS OF UNUSED SPARE CONDUITS WITH WOODEN PLUGS.
- HIGH VOLTAGE WIRING, RUNWAY & TAXIWAY SERIES CIRCUIT WIRING, ETC., AND POWER WIRING OVER 480V SHALL BE INSTALLED IN SEPARATE CONDUITS FROM LOW VOLTAGE WIRING, 480V OR LESS.

CONSTRUCT WESTERN PARTIAL PARALLEL TAXIWAY TO RUNWAY 6

OWNER

CITY OF PONTIAC PONTIAC MUNICIPAL AIRPORT PONTIAC, ILLINOIS

MARK DATE DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-105
IL PROJ. NO. PNT-4384
CMT PROJECT NO: 1505402
CAD DWG FILE: 1505402-E503.DWG
DESIGNED BY: NRF/CDU
DRAWN BY: CMT
CHECKED BY: AJB
APPROVED BY: CBG

SHEET TITLE

ELECTRICAL DETAILS

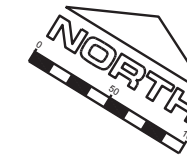
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E503

SHEET 28 OF 41



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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

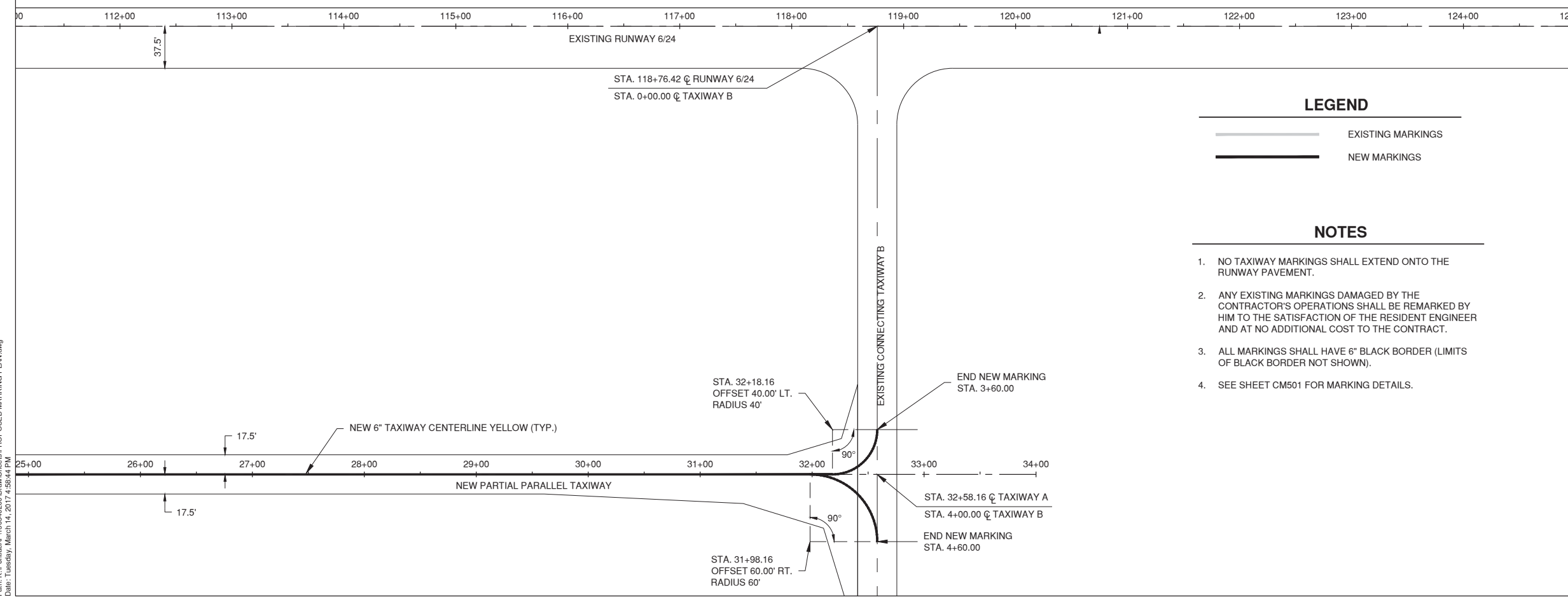
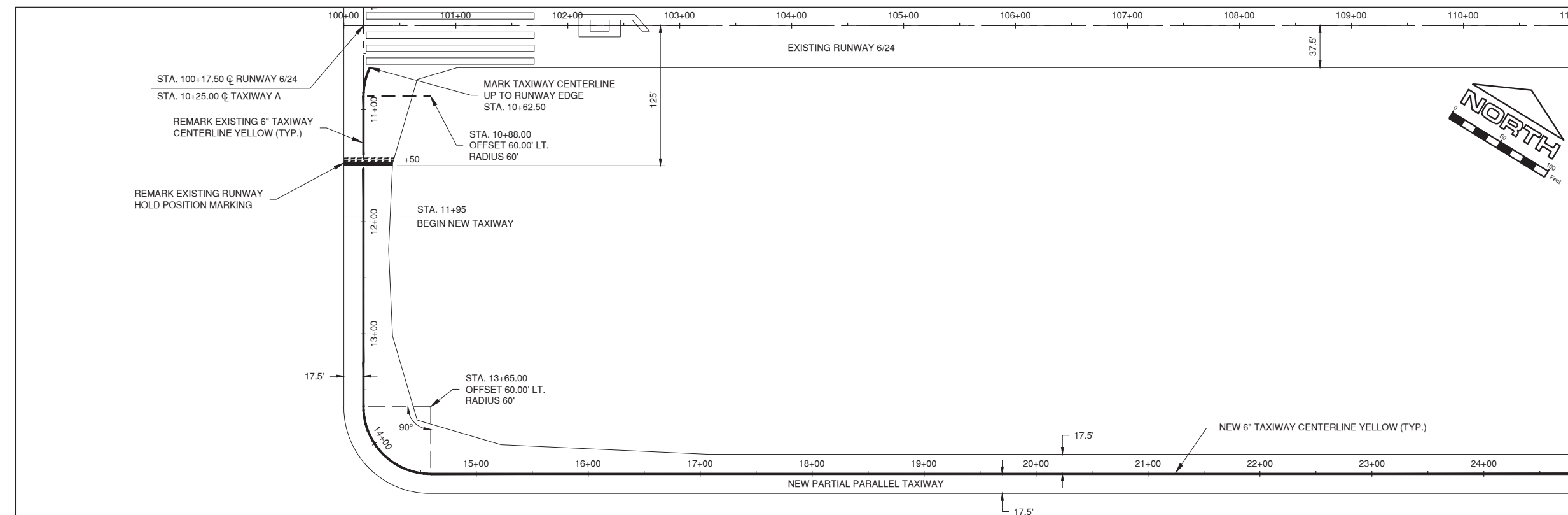
OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION
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		IL PROJ. NO. PNT-4384
		CMT PROJECT NO: 1505402
		CAD DWG FILE: PROPOSED MARKING PLAN.DWG
		DESIGNED BY: NRF/CDU
		DRAWN BY: CMT
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		APPROVED BY: CBG

SHEET TITLE
**PROPOSED MARKING
PLAN**

SHEET 31 OF 41
CM101



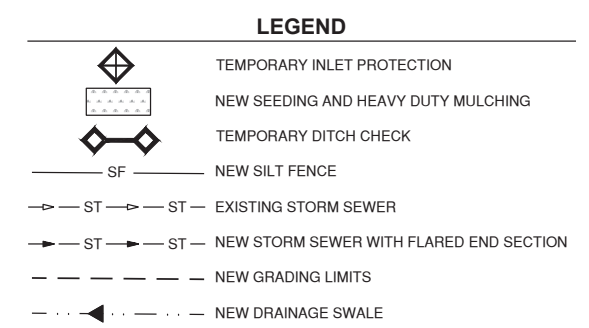
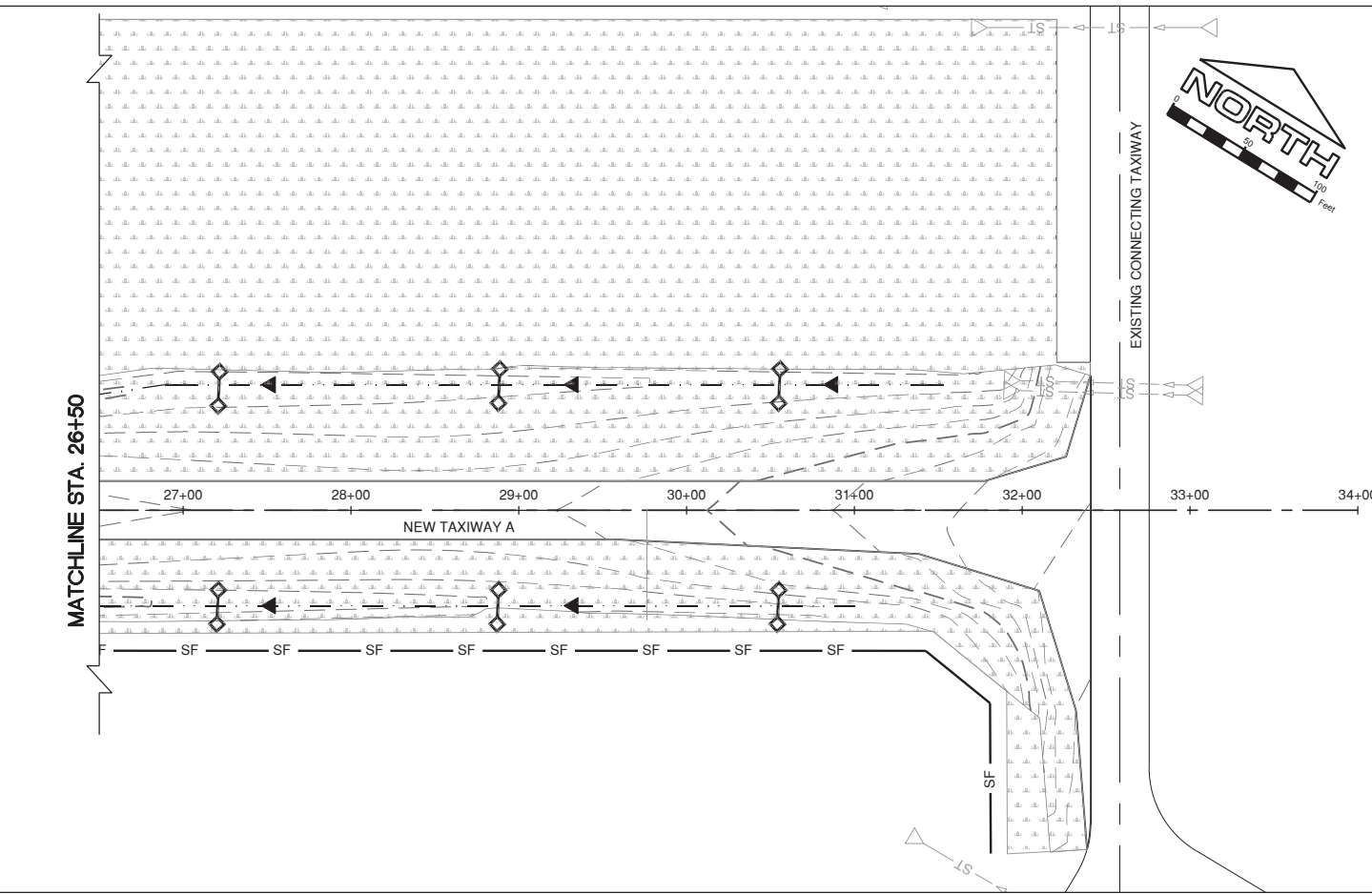
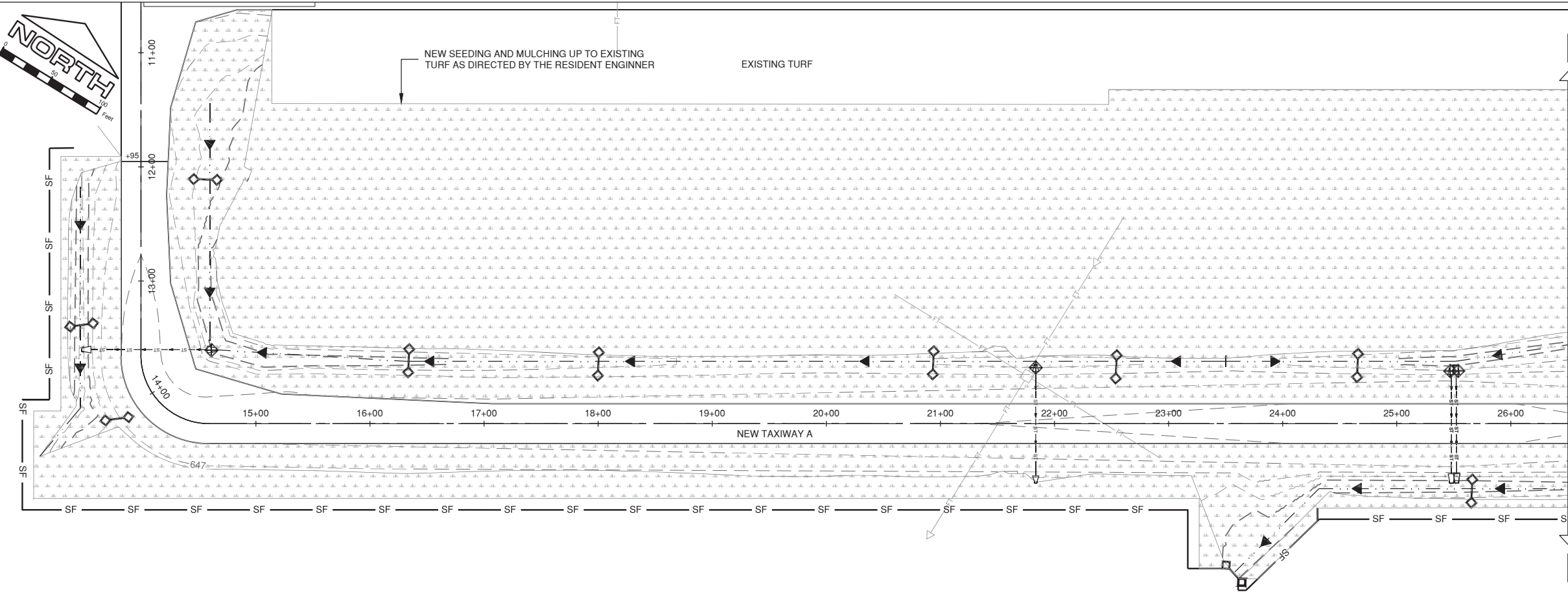
LEGEND

- EXISTING MARKINGS
- NEW MARKINGS

NOTES

1. NO TAXIWAY MARKINGS SHALL EXTEND ONTO THE RUNWAY PAVEMENT.
2. ANY EXISTING MARKINGS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REMARKED BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AT NO ADDITIONAL COST TO THE CONTRACT.
3. ALL MARKINGS SHALL HAVE 6" BLACK BORDER (LIMITS OF BLACK BORDER NOT SHOWN).
4. SEE SHEET CM501 FOR MARKING DETAILS.

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NOTES

- FLARED END SECTIONS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL HAVE RIP RAP INSTALLED AT THE END, COSTS INCLUDED WITH THE FLARED END SECTION. SEE EROSION CONTROL DETAIL SHEETS FOR RIPRAP INSTALLATION DETAILS.



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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

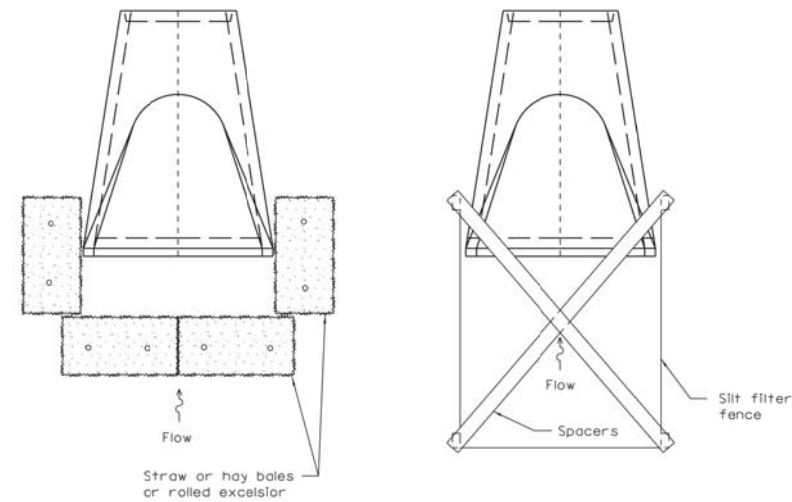
CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

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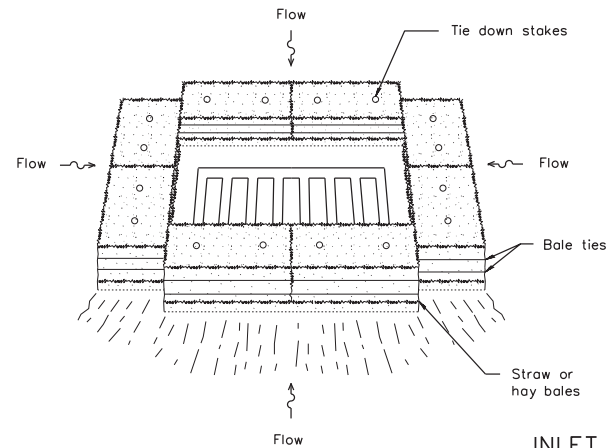
SHEET TITLE
**TURFING AND
EROSION CONTROL
PLAN**

33 OF 41
LG101

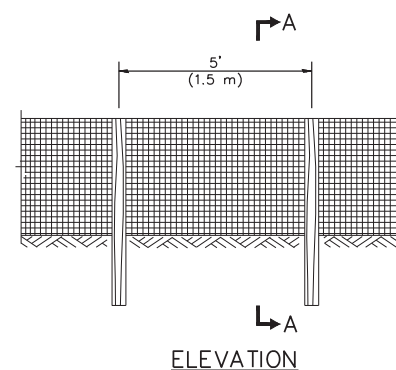
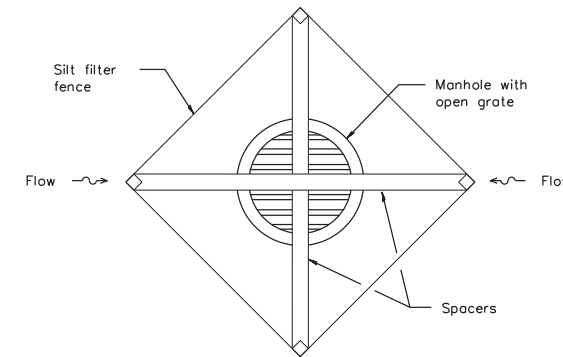
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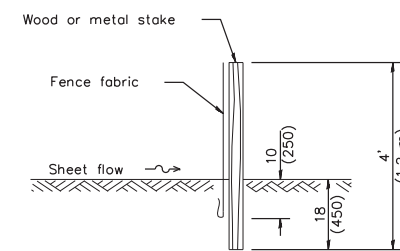
PIPE PROTECTION
N.T.S.



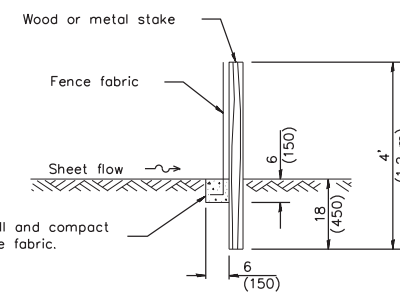
INLET PROTECTION



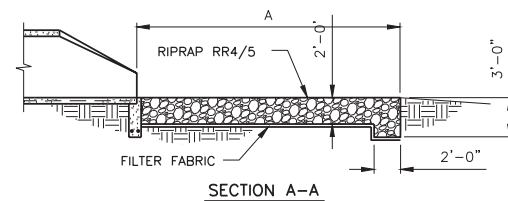
SILT FILTER FENCE AS A
PERIMETER EROSION BARRIER



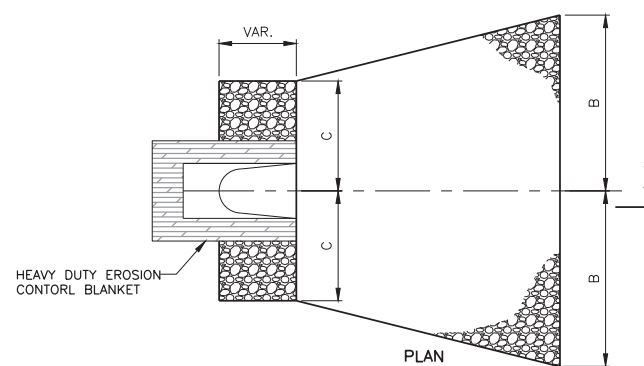
SLICE METHOD



TRENCH METHOD
SECTION A-A



SECTION A-A

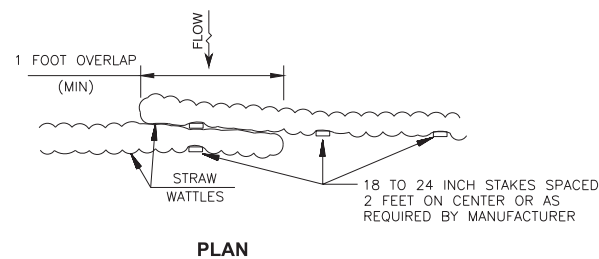


PLAN

MIN. DIMENSIONS (FT)			
INSIDE DIAMETER STORM SEWER (IN.)	A	B	C
24"	10'	6'	2.5'
36"	12'	6'	2.5'

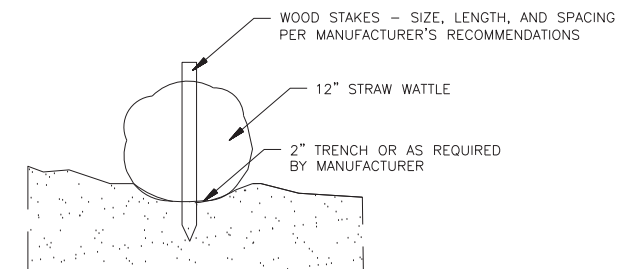
RIP-RAP DETAILS
N.T.S.

THE ENGINEER SHALL DETERMINE THE FINAL RIP-RAP CONFIGURATION IN THE FIELD. NO DIRECT PAYMENT WILL BE MADE FOR RIPRAP, FILTER FABRIC AND EROSION CONTROL BLANKET. ALL ITEMS DETAILED SHALL BE INCIDENTAL TO THE FES INSTALLATION.



PLAN

STRAW WATTLES
N.T.S.



SECTION



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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

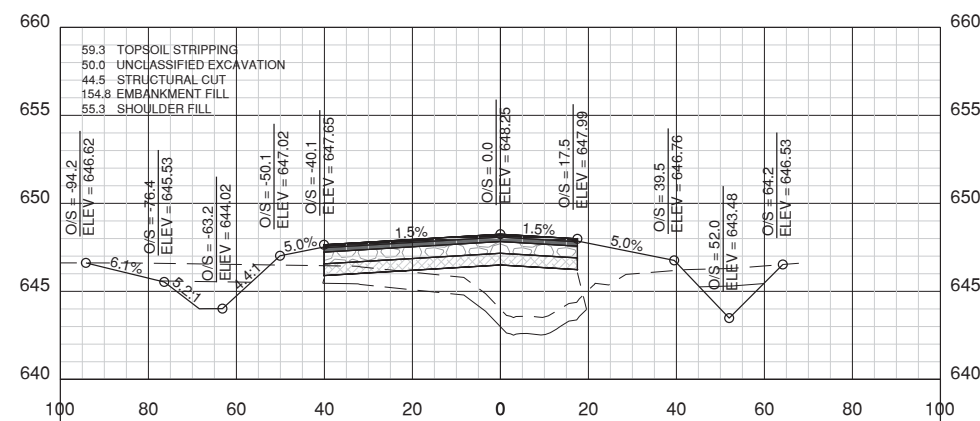
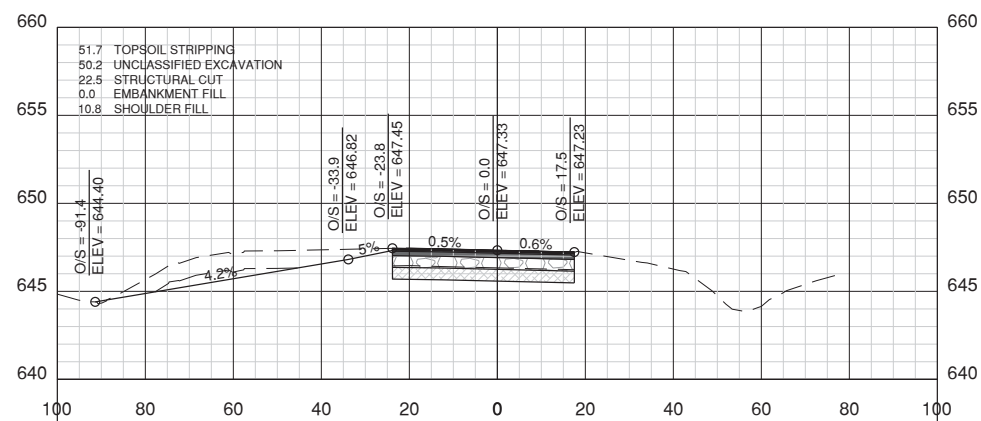
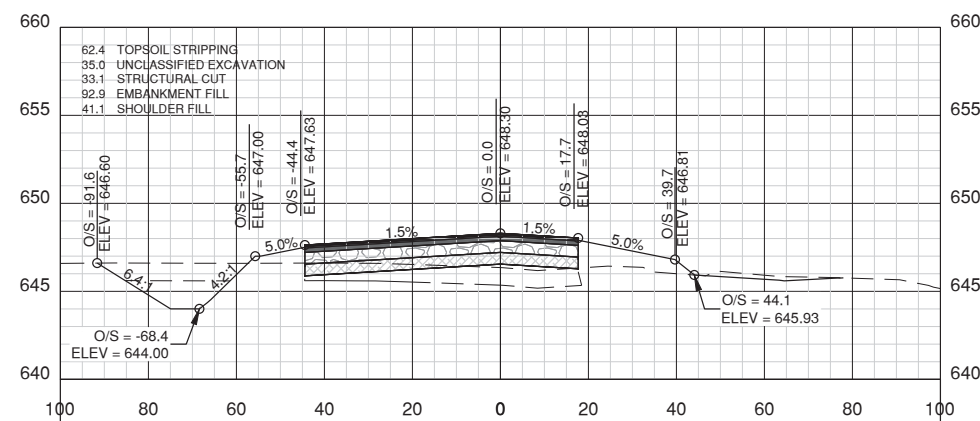
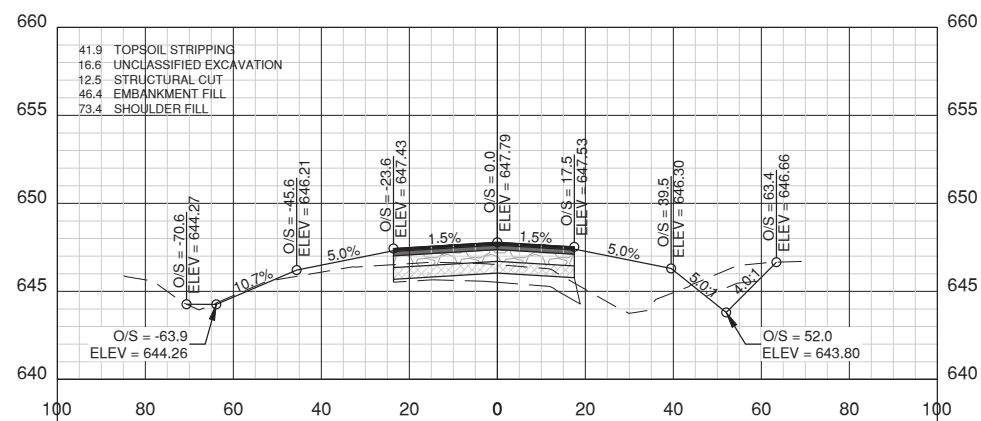
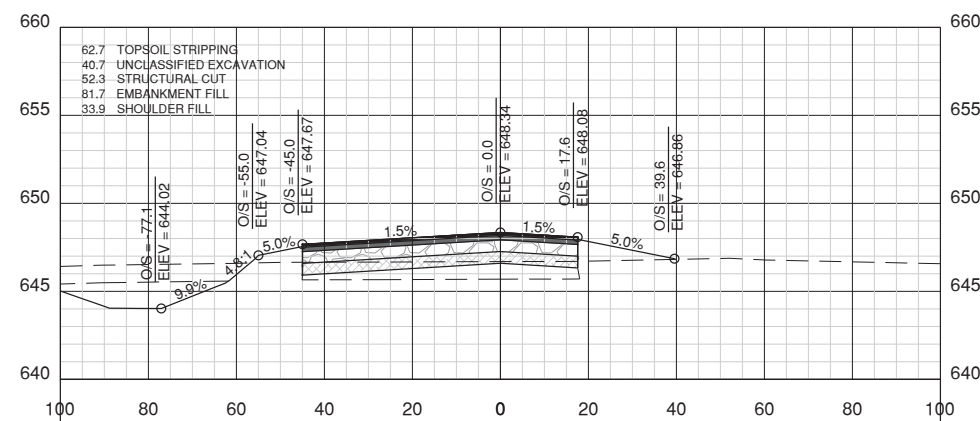
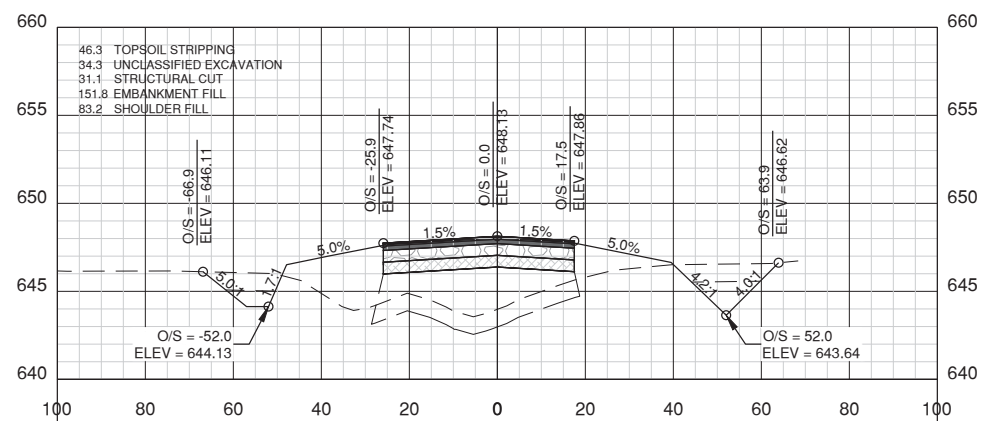
CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK DATE DESCRIPTION

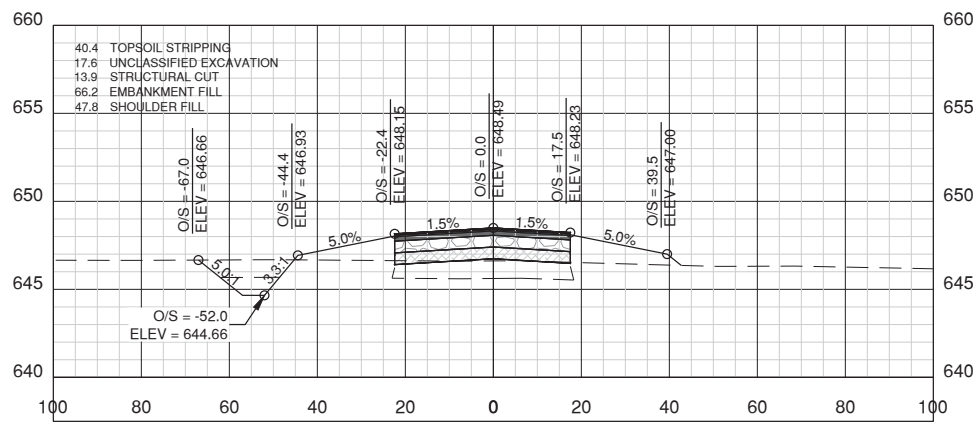
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CMT PROJECT NO: 1505402
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DRAWN BY: CDU
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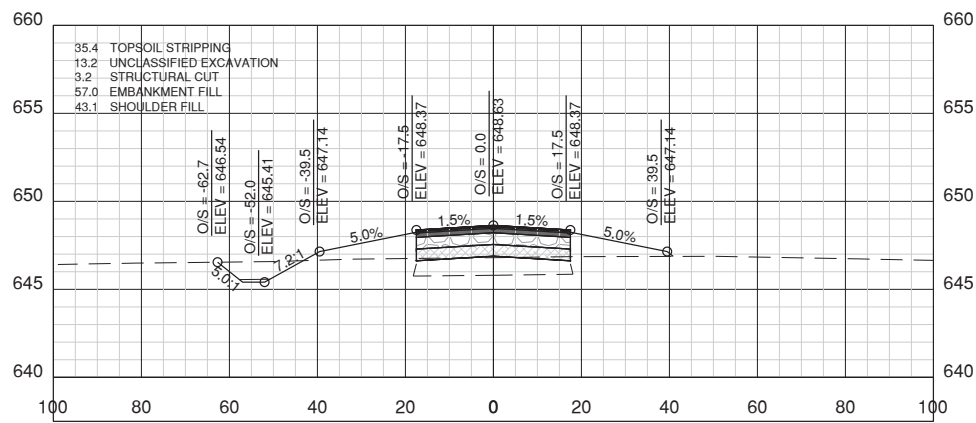
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SHEET 35 OF 41



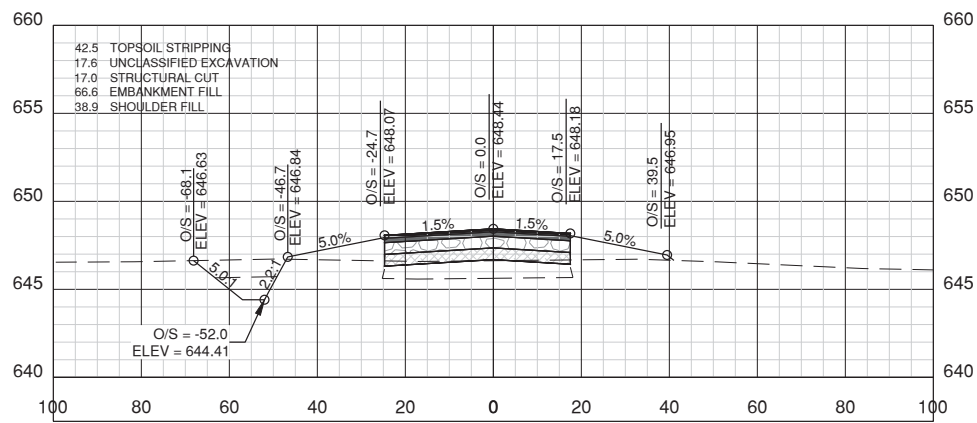
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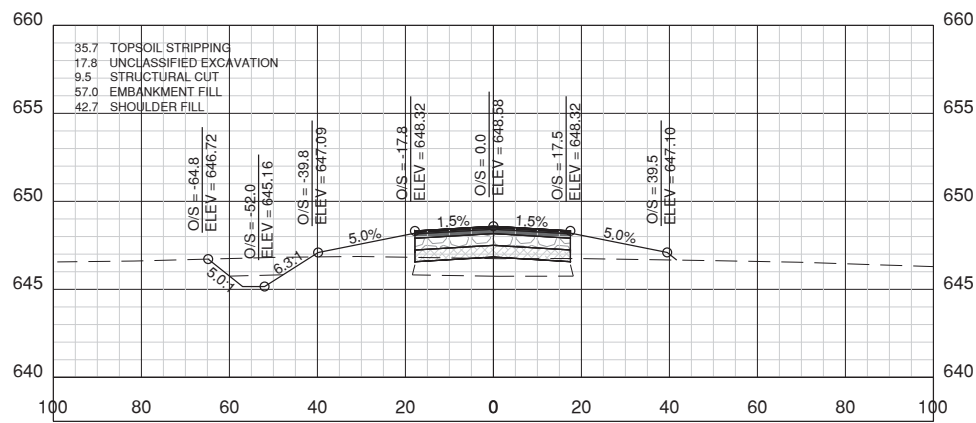
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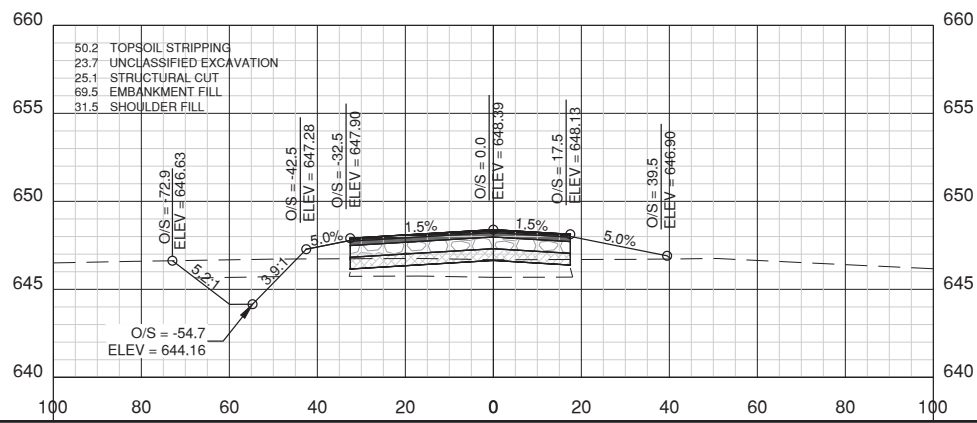
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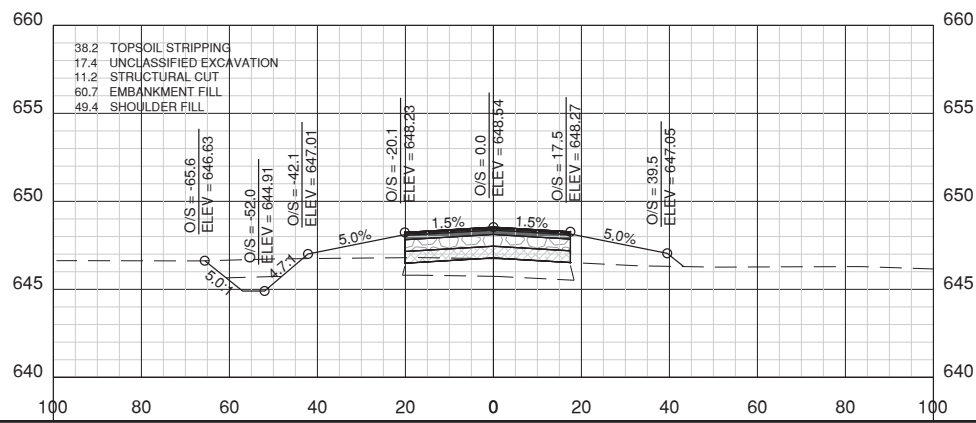
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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION

SHEET TITLE
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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

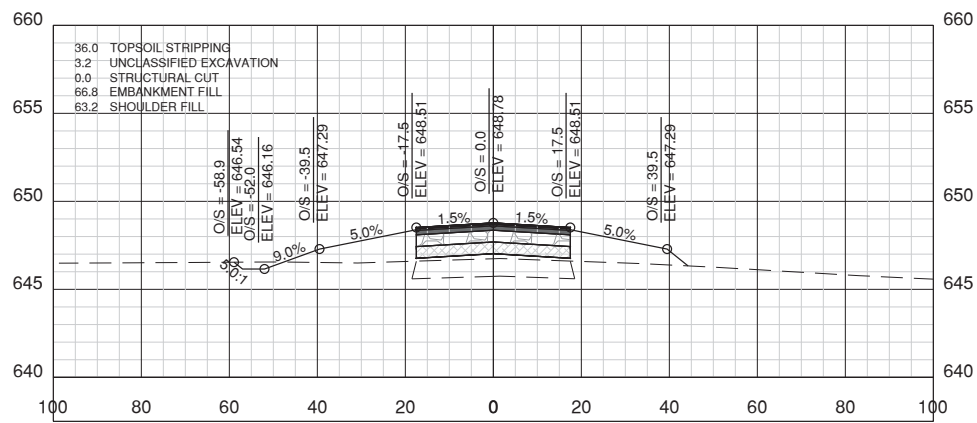
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PONTIAC, ILLINOIS

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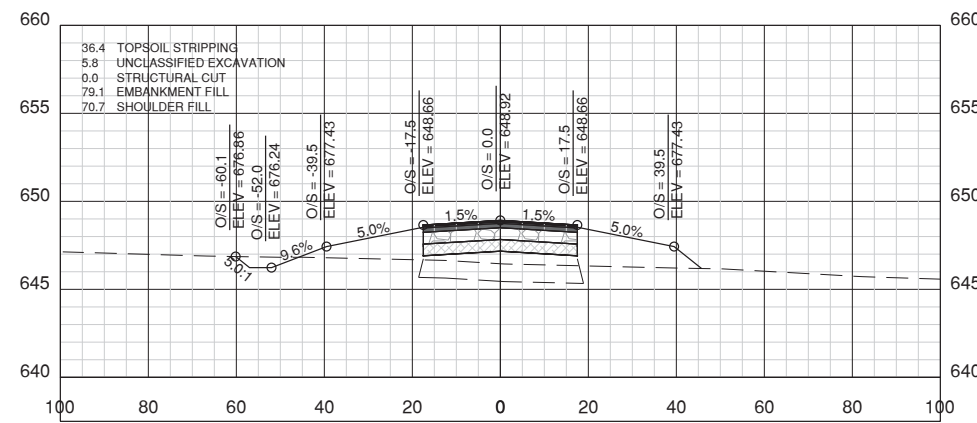
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SHEET 37 OF 41
P703

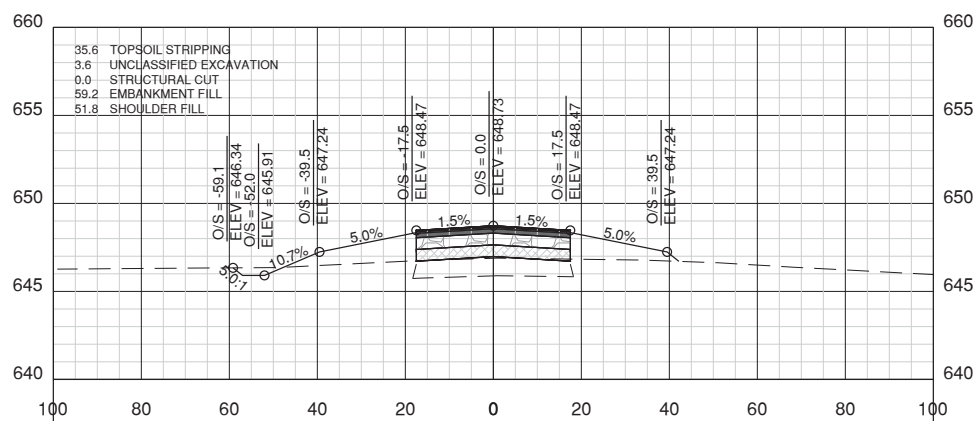
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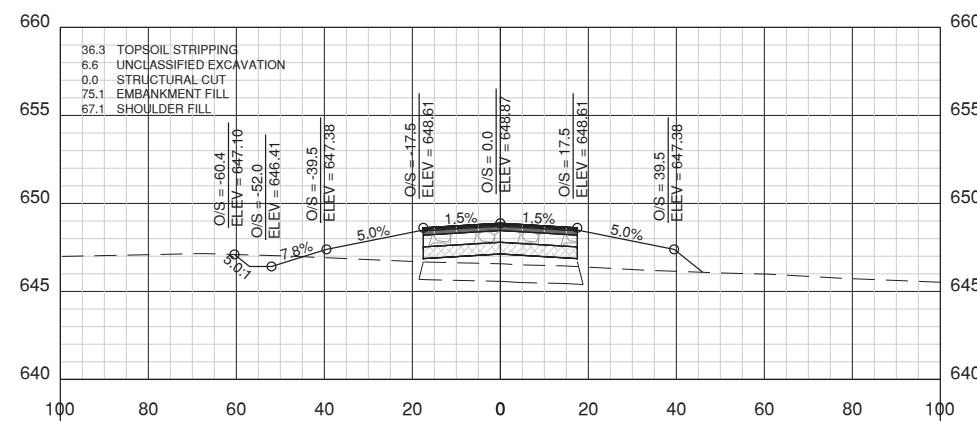
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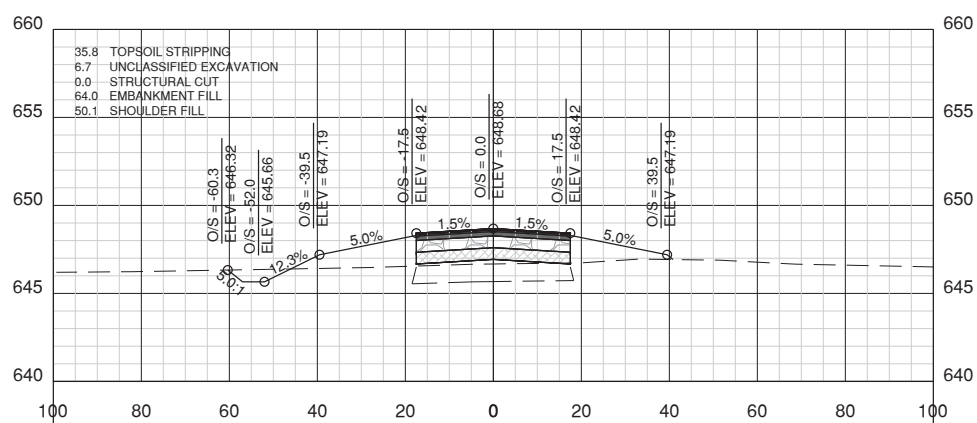
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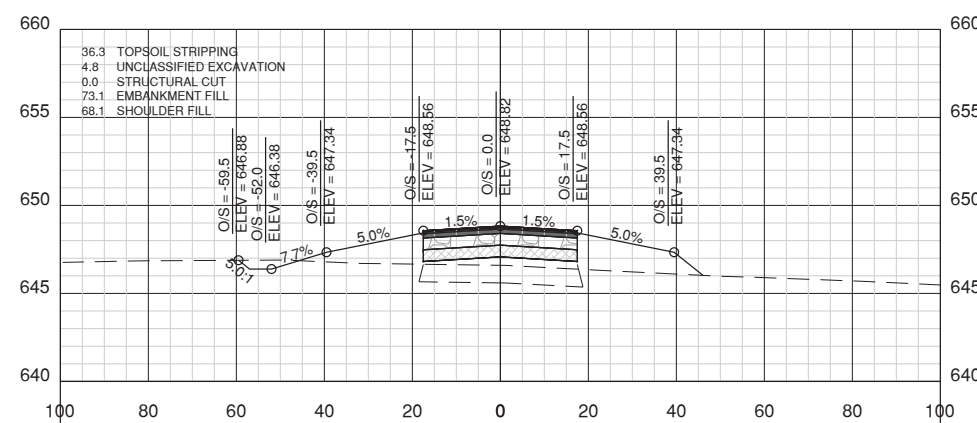
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CONSULTANTS

CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

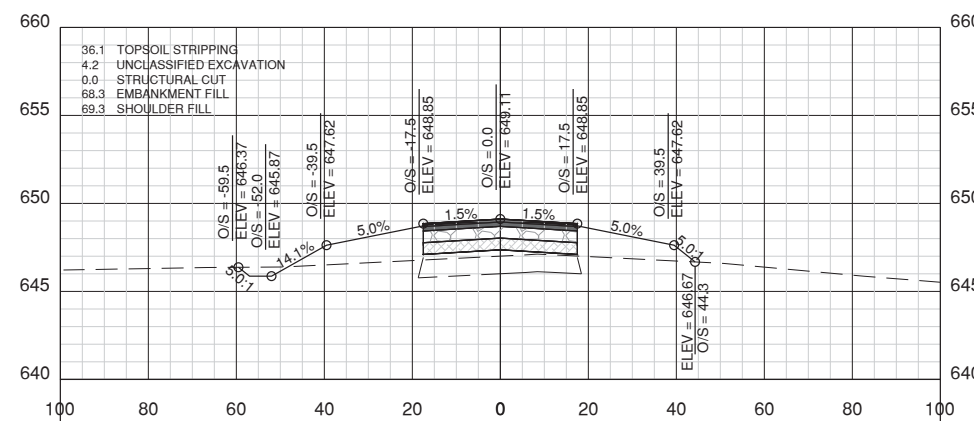
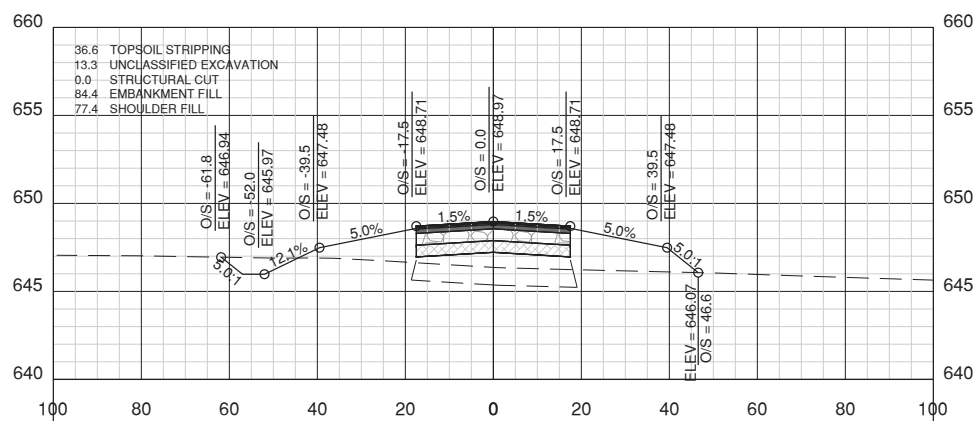
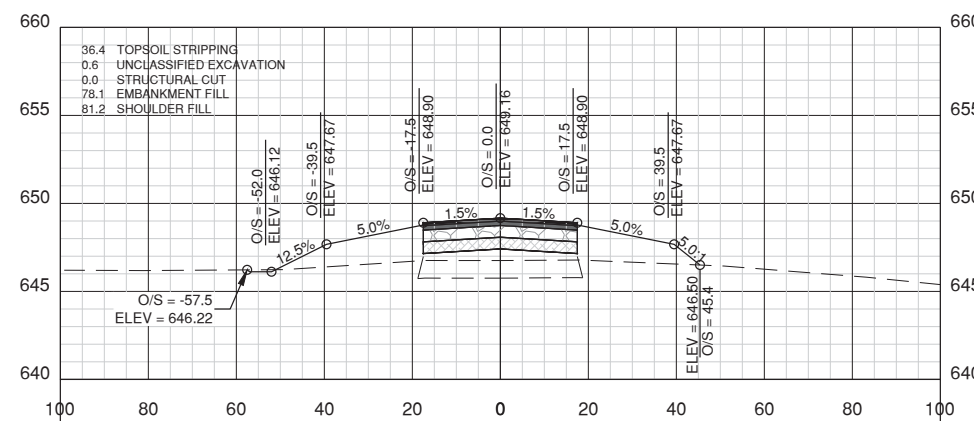
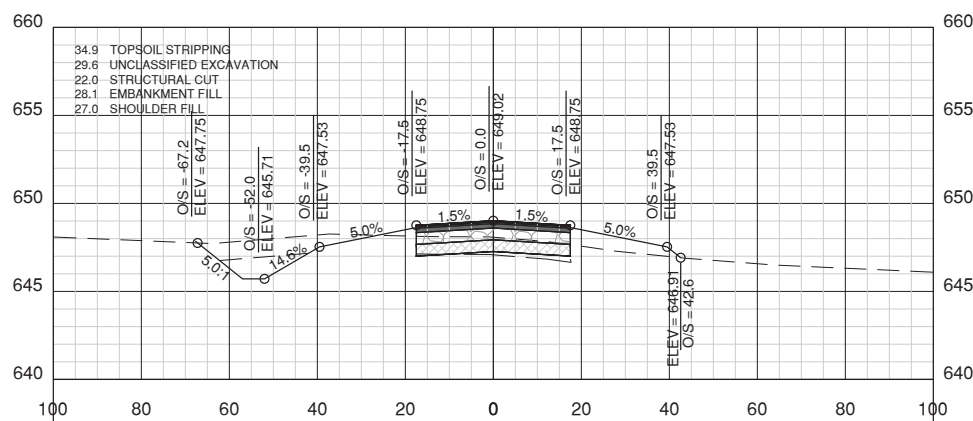
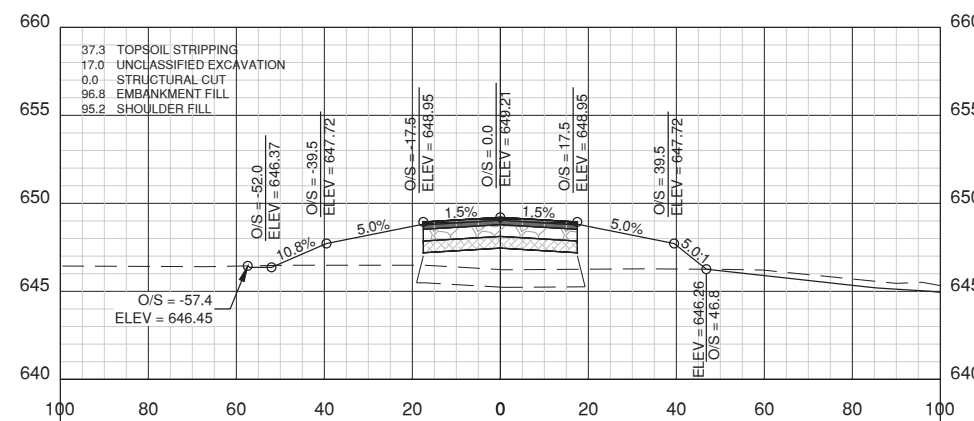
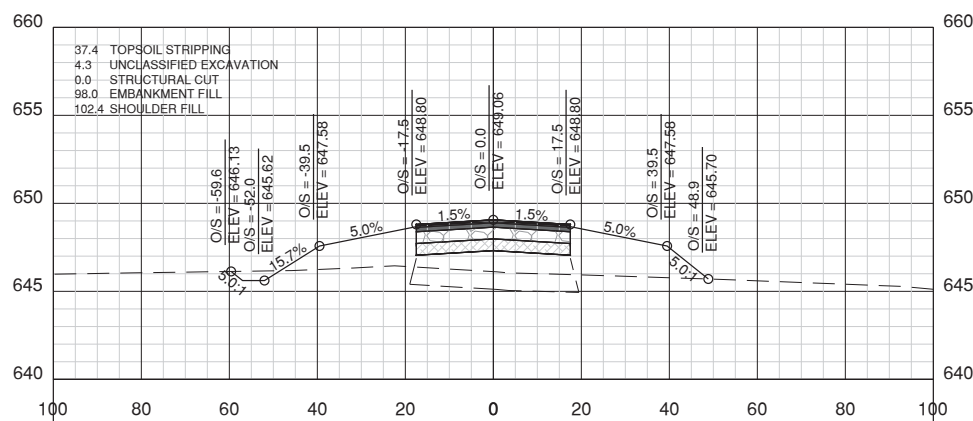
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PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK	DATE	DESCRIPTION

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IL PROJ. NO. PNT-4384
CMT PROJECT NO: 1505402
CAD DWG FILE: CROSS SECTIONS 2016 0201.DWG
DESIGNED BY: NRF/CDU
DRAWN BY: CDU
CHECKED BY: AJB
APPROVED BY: CBG

SHEET TITLE
CROSS SECTIONS 4

SHEET **38** **P704** OF **41**



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CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

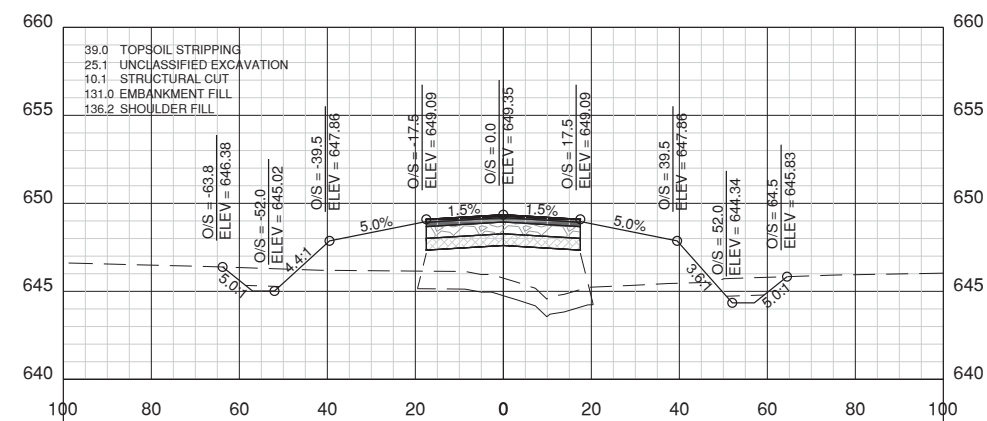
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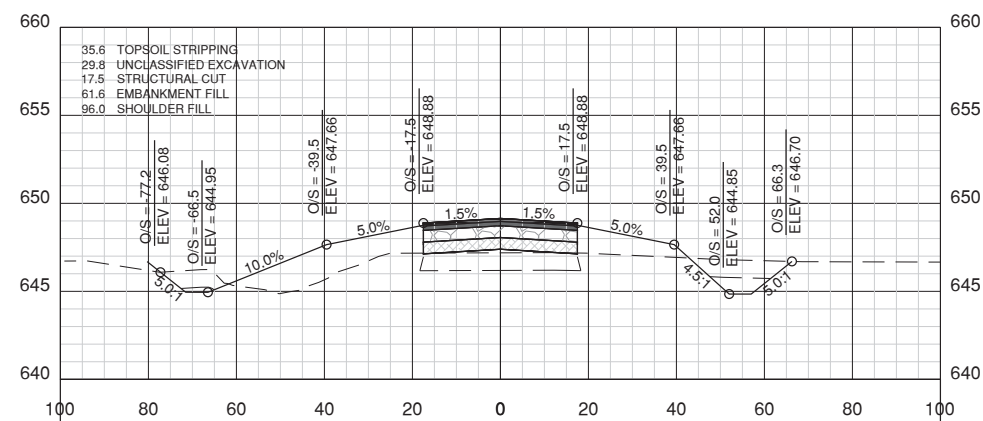
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P705
SHEET 39 OF 41

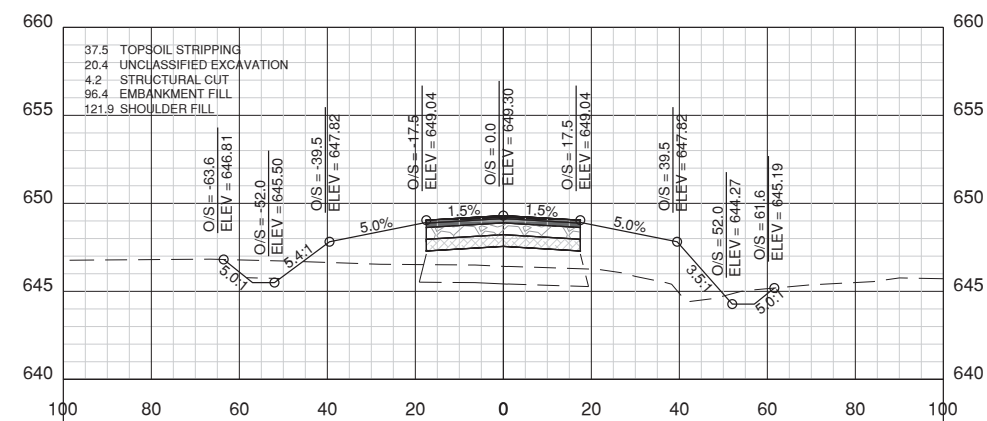
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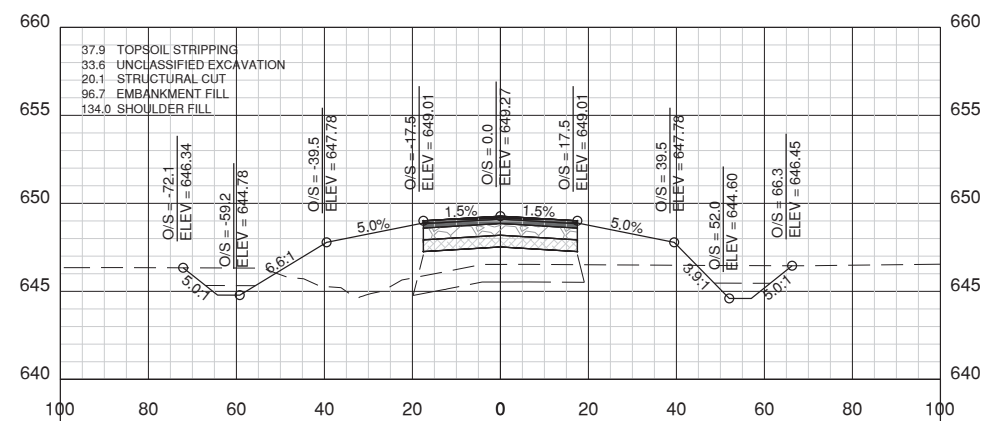
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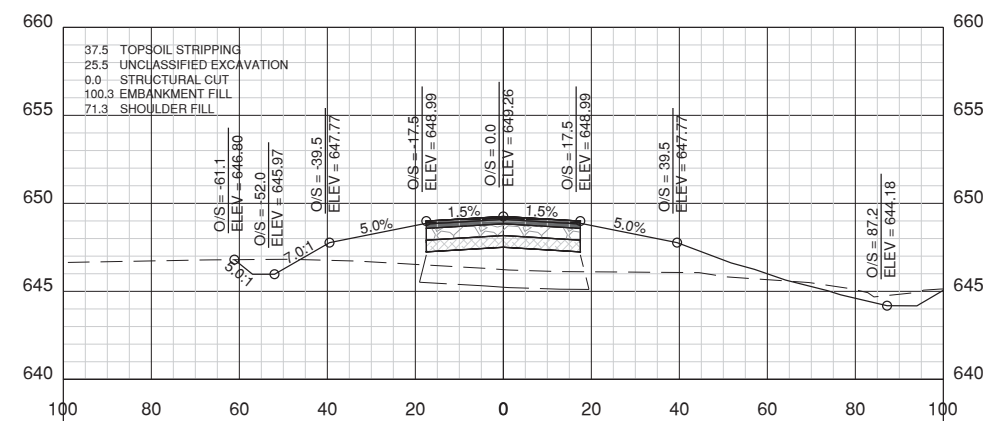
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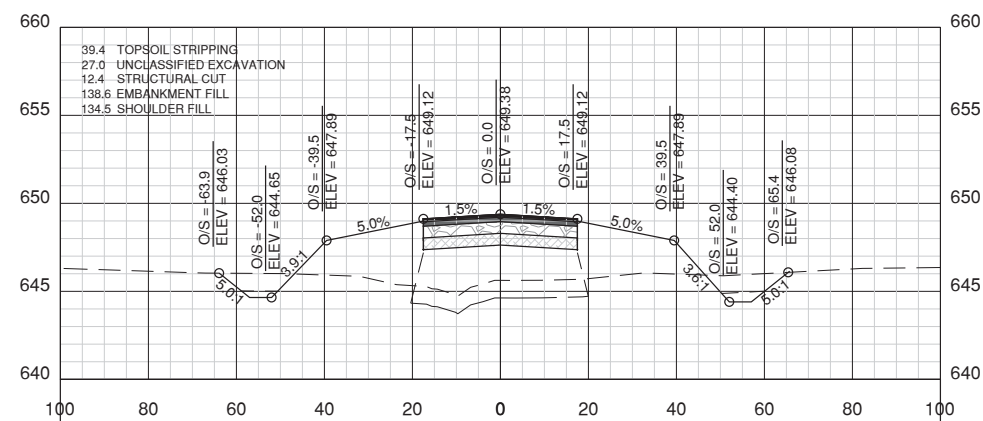
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License No. 184-000613
CONSULTANTS

CONSTRUCT WESTERN
PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6

OWNER

CITY OF PONTIAC
PONTIAC MUNICIPAL AIRPORT
PONTIAC, ILLINOIS

MARK DATE DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-105
IL PROJ. NO. PNT-4384
CMT PROJECT NO: 1505402
CAD DWG FILE: CROSS SECTIONS 2016 0201.DWG
DESIGNED BY: NRF/CDU
DRAWN BY: CDU
CHECKED BY: AJB
APPROVED BY: CBG

SHEET TITLE
CROSS SECTIONS 6

P706
SHEET 40 OF 41

