# PALWAUKEE MUNICIPAL AIRPORT COMMISSION WHEELING/PROSPECT HEIGHTS, ILLINOIS

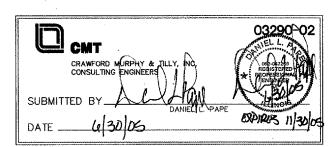


FINAL CONSTRUCTION PLANS PALWAUKEE MUNICIPAL AIRPORT

CONSTRUCT AND MARK NORTHEAST QUADRANT T-HANGAR ACCESS TAXIWAY; CONSTRUCT T-HANGAR SITEWORK - PHASE 1; CONSTRUCT SITEWORK FOR EAST QUADRANT APRON

### PALWAUKEE MUNICIPAL AIRPORT

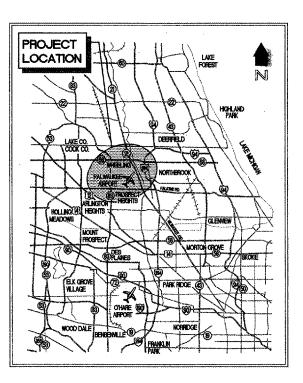
CALL J.U.L.I.E BEFORE EXCAVATING 1-800-892-0123



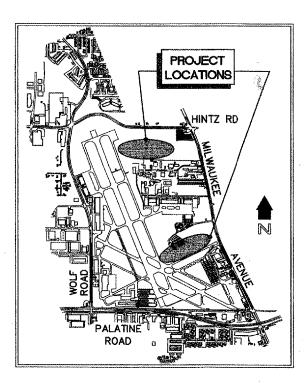
P	LWAUKEE MUNICIPAL AIRPORT	
APPROVED	DENNIS G. ROULEAU AIRPORT MANAGER	?
DATE	4/30/05	

ILLINOIS PROJECT: PWK-3471 A.I.P. PROJECT: N/A

**DATE: JUNE 24, 2005** 



LOCATION MAP



SITE PLAN

### INDEX TO SHEETS

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# SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	STATE/LOCAL QUANTITY	LOCAL ONLY QUANTITY	RECORD QUANTITY
AR108108	1/C #8 5KV UG CABLE	TF TF	600	QOARTIT	QUANTITI
AR110202	2" PVC DUCT, DIRECT BURY	LF	500		
AR110504	4-WAY CONCRETE ENCASED DUCT	LF LF	45		
AR110714	ELECTRICAL MANHOLE 4'	EACH	1 2		
AR125100	ELEVATED RETROREFLECTIVE MARKER				
AR125100	TAXI GUIDANCE SIGN, 3 CHARACTER	EACH	28	5	·····
AR125444	TAXI GUIDANCE SIGN, 3 CHARACTER TAXI GUIDANCE SIGN, 4 CHARACTER	EACH	2		
AR150510	ENGINEER'S FIELD OFFICE	EACH	11		
AR152540	SOIL STABILIZATION FABRIC	LS SY	7.925	0.400	
AR156510	SILT FENCE		3,000	2,400	
AR156520	INLET PROTECTION	EACH	3,000		
AR162506	CLASS E FENCE 6'	LF	650	-	
AR162900	REMOVE CLASS E FENCE	LF LF	420		
AR162964	RELOCATE GATE	EACH	1 420		
AR163000	TEMPORARY CONSTRUCTION FENCE				······
AR201610	BITUMINOUS BASE COURSE	LF	750		***************************************
		TON	905	265	
AR208515 AR209607	POROUS GRANULAR EMBANKMENT	CY	800		
	CRUSHED AGG. BASE COURSE - 7"	SY	7,925	2,400	
AR401610	BITUMINOUS SURFACE COURSE	TON	905	265	
AR501900	REMOVE PCC PAVEMENT	SY	290		
AR602510	BITUMINOUS PRIME COAT	GAL	3,160	950	
AR603510	BITUMINOUS TACK COAT	GAL	1,200	400	
AR620520	PAVEMENT MARKING - WATERBORNE	SF	3,950	280	******************************
AR620525	PAVEMENT MARKING — BLACK BORDER	SF	5,130	400	
AR620900	PAVEMENT MARKING REMOVAL	SF	350		
AR701512	12" RCP, CLASS IV	LF	210		
AR701515	15" RCP, CLASS IV	LF	575		
AR701518	18" RCP, CLASS IV	LF	86		
AR701536	36" RCP, CLASS IV	LF	475		
AR701900	REMOVE PIPE	LF	10		
AR705526	6" PERFORATED UNDERDRAIN W/ SOCK	LF	2,050		
AR705640	UNDERDRAIN CLEANOUT	EACH	3		
AR705900	REMOVE UNDERDRAIN	LF LF	140		
AR751411	INLET - TYPE A	EACH	4		
AR751560	MANHOLE 6'	EACH	3		
AR751567	MANHOLE 7'	EACH	3		
AR751570	MANHOLE SPECIAL	EACH	1		
AR751943	ADJUST MANHOLE	EACH	1		
AR751983	RECONSTRUCT MANHOLE	EACH	3		
AR800001	TYPE 1 INLET	EACH	6		
AR800028	SLOPE BOX INLET 18"	EACH	2		
AR800053	SOIL GUARD	SY	3,250		
AR800103	EMBANKMENT FILL	CY	24,497		
AR800104	SHOULDER FILL	CY	2,459		
AR901510	SEEDING	ACRE	10.0		**************************************
AR905510	TOPSOILING (FROM ON SITE)	CY	4,313		
AR908510	MULCHING	ACRE	9.0		The second secon
AR910915	REMOVE ROADWAY SIGN	EACH	2		

FILE: OTY.dwg
LAYOUT: Layout1
UPDATE BY: mkatz
SURVEY BOOK #
DATE: Wed 6/29/05 3:05pm
XREF DWG: tbcInt.dwg

	REVISIONS	)
NUMBER	BY	DATE
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THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

NORTHEAST QUADRANT SITEWORK OF QUANTITIES SUMMARY

PALWAUKEE MUNICIPAL AIRPORT WHEELING / PROSPECT HEIGHTS ILLINOIS

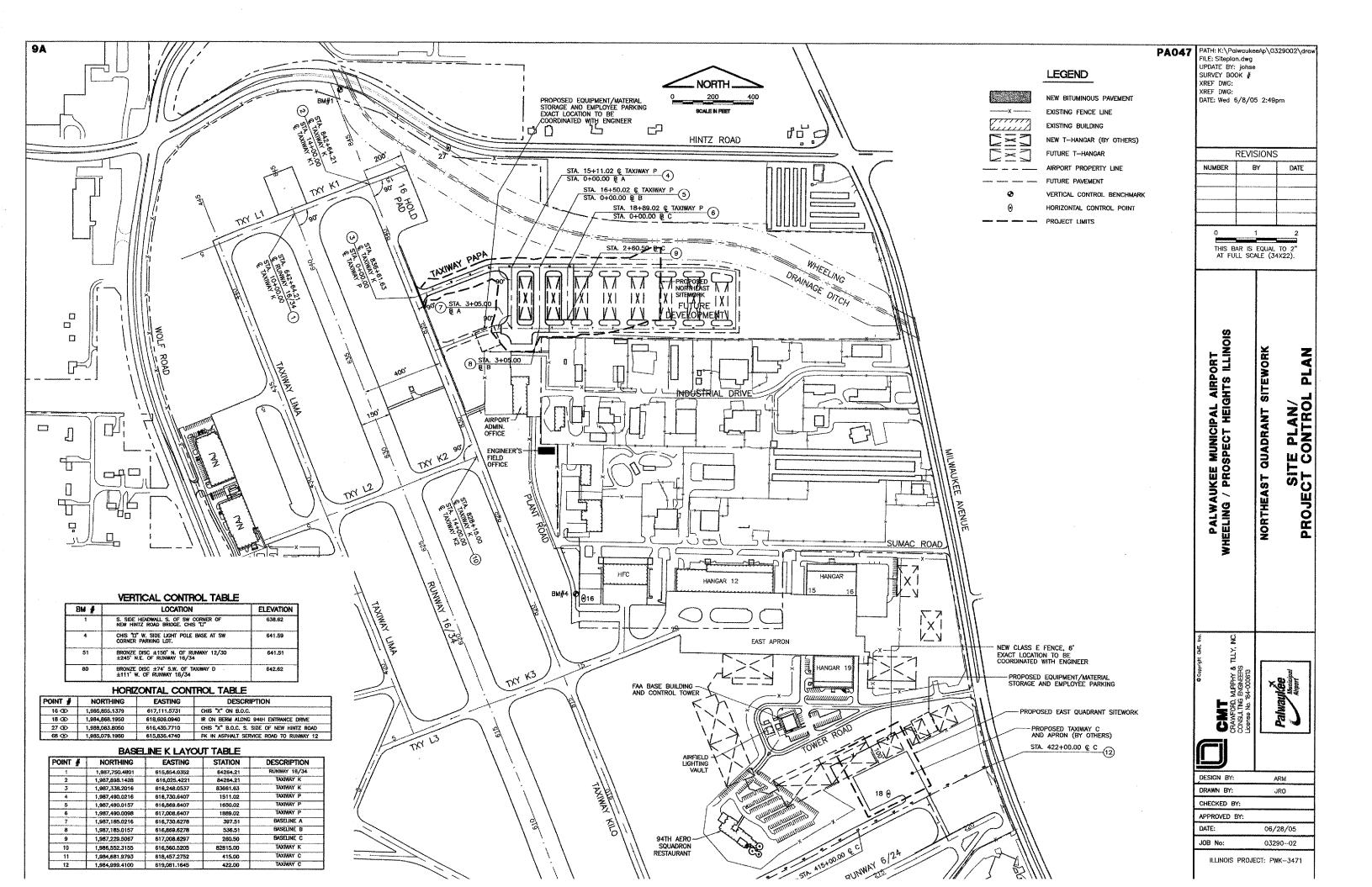


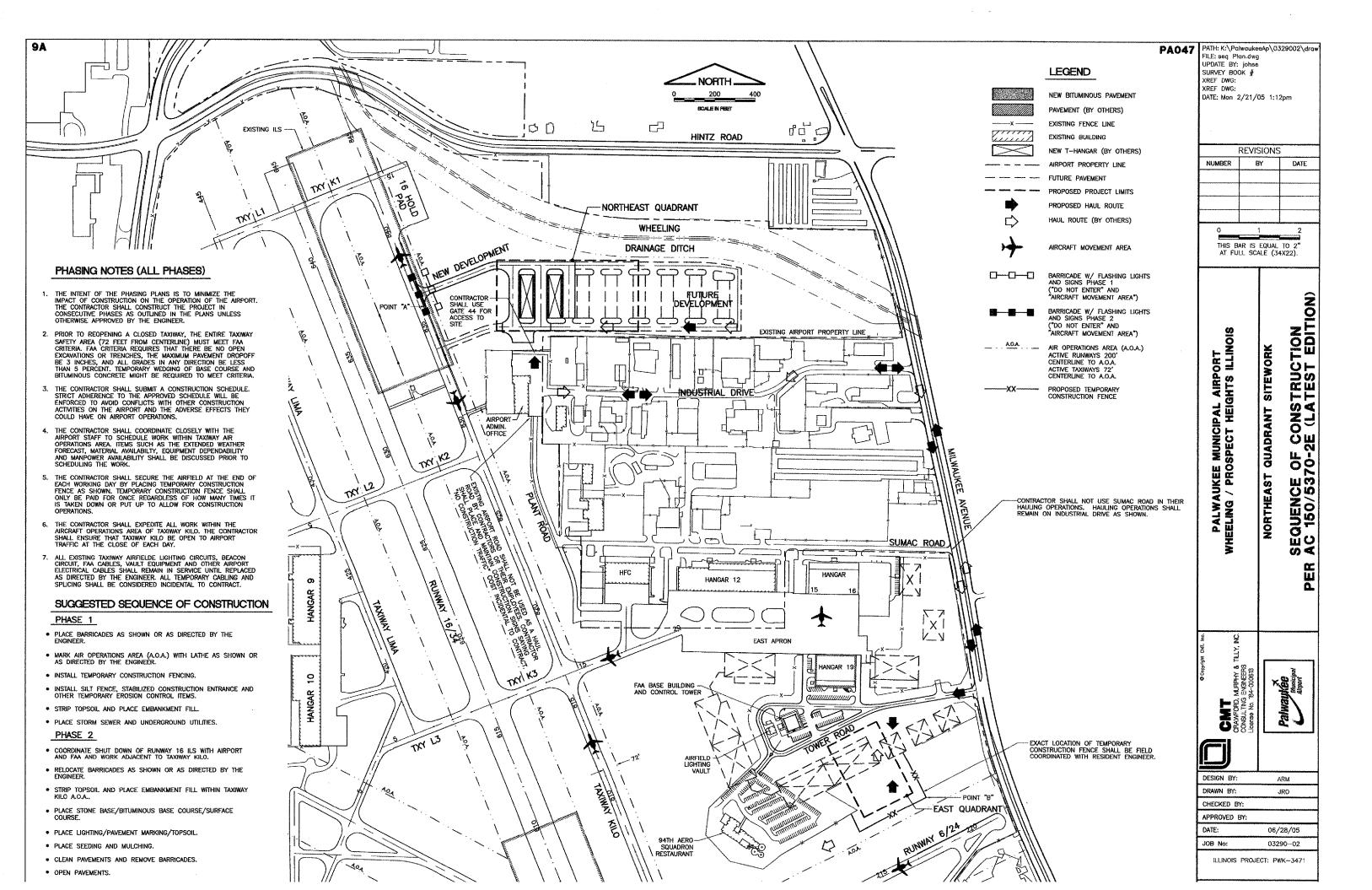
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DRAWN BY:	JRL	
CHECKED BY:		

APPROVED BY:

DATE: 06/28/05 JOB No: 03290-02

ILLINOIS PROJECT: PWK-3471





- 1. THE SUGGESTED SEQUENCE OF CONSTRUCTION SHOWN IS INTENDED TO ALLOW FOR THE ORDERLY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS WHILE MAINTAINING AIRCRAFT ACCESS AT ALL TIMES. THE PHASING SHOWN IS A SUGGESTED SEQUENCE OF CONSTRUCTION ONLY. THIS SEQUENCE MAY BE MODIFIED HOWEVER, ALTERNATE STAGING PLANS MUST MAINTAIN AIRPORT OPERATIONS TO THE SATISFACTION OF THE ACTING AIRPORT MANAGER AND RESIDENT ENGINEER AND BE APPROVED BY THE DIVISION OF AERONAUTICS AND FEDERAL AVIATION ADMINISTRATION.
- 2. ALL OPERATIONS SHALL BE IN CONFORMANCE WITH AC 150/5370-2E (LATEST EDITION) SAFETY DURING
- 3. CONTRACTOR'S EQUIPMENT SHALL BE STORED IN THE EQUIPMENT AND MATERIAL STORAGE/STAGING AREA WHEN CONSTRUCTION IS NOT IN PROGRESS.
- THE AIRPORT MANAGER IN CONSULTATION WITH THE RESIDENT ENGINEER SHALL HAVE FINAL SAY IN THE APPROVAL OF THE CONSTRUCTION OPERATING SEQUENCE AS IT RELATES TO PEDESTRIAN, VEHICULAR AND
- 5. ALL EXISTING PAVEMENTS, DRIVES OR ANY OTHER AREAS USED AS A HAUL ROAD OR STORAGE AREA BY THE CONTRACTOR SHALL BE RESTORED IN KIND TO THEIR PRE--CONSTRUCTION CONDITION OR TO THE SATISFACTION OF THE RESIDENT ENGINEER AND ACTING AIRPORT MANAGER. THE COST OF MAINTAINING, REPAIRING OR CONSTRUCTING THESE PAVEMENTS AND AREAS SHALL BE INCIDENTAL TO THE CONTRACT. EXISTING AREAS OUTSIDE THE PROJECT LIMITS WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND
- THE CONTRACTOR SHALL KEEP ALL TRUCKS, EQUIPMENT AND MATERIALS OFF OF THE EXISTING TAXIWAYS, APRONS AND RUNWAYS OUTSIDE OF THE PROJECT LIMITS EXCEPT AS SHOWN OR WITH THE PRIOR PERMISSION OF THE ENGINEER.
- WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL LIGHTING TO ALLOW FOR PROPER CONSTRUCTION METHODS AND INSPECTIONS. LIGHT SHALL CONSIST OF MOVABLE POLE MOUNTED FLOODLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL BE ALLOWED ONLY IN ADDITION TO OTHER LIGHTS MENTIONED ABOVE. LIGHTING SHALL BE AS APPROVED BY THE ENGINEER AND SHALL NOT BE USED IF THEY AFFECT FLIGHT SAFETY, CONTRACTOR'S WORK HOURS SHALL BE IN ACCORDANCE WITH LOCAL
- 8. THE CONTRACTOR SHALL PROVIDE PORTABLE FLOOD LIGHTING FOR NIGHTTIME CONSTRUCTION. SUFFICIENT UNITS SHALL BE PROVIDED SO THAT WORK AREAS ARE ILLUMINATED TO A LEVEL OF FIVE HORIZONTAL. FOOT CANDLES, THE LIGHTING LEVELS SHALL BE CALCULATED AND MEASURED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE ILLUMINATION ENGINEERING SOCIETY. LIGHTS SHALL BE POSITIONED SO AS NOT TO INTERFERE WITH AIRPORT OPERATIONS.
- 9. THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. WHEN ACTIVE AIRFIELD PAVEMENTS ARE UTILIZED AS HAUL ROADS BY THE CONTRACTOR, MATERIAL TRACKED ON TO THE PAVEMENT SHALL BE CONTINUALLY REMOVED WITH SAID SWEEPER. THIS SWEEPING SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 10. MATERIALS REMOVED FROM THE PROJECT WILL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS NOTED
- 11. PAYMENT FOR TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO BARRICADES, SIGNING, RUNWAY CLOSED MARKERS, AIR OPERATIONS AREA (A.O.A.) LATHE AND RIBBON, ETC. SHALL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, BARRICADES AT 10—FOOT CENTERS WITH ONE ORANGE FLAG (24" x 24") BETWEEN EACH SET OF BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS OF AS DIRECTED BY THE ENGINEER BARRICADES SHALL BE WEIGHTED TO PREVENT BLOWING OVER, BARRICADES SHALL HAVE A FLASHING RED LIGHT AND CONFORM TO IDOT STANDARD 702001, TYPE II. BARRICADE INSTALLATION WILL BE REQUIRED PRIOR TO ACCESS TO THE A.O.A. BY CONTRACTOR'S WORKERS, EQUIPMENT OR MATERIAL. SIGNS SHALL BE PLACED AT EACH TAXIWAY/RUNWAY CLOSURE LOCATION AND SHALL BE ATTACHED TO THE BARRICADES. EACH BARRICADE LOCATION SHALL CONSIST OF ONE "DO NOT ENTER" SIGN AND ONE "AIRCRAFT MOVEMENT AREA" SIGN, SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, IN CONJUNCTION WITH IDOT TYPE II BARRICADES, THE CONTRACTOR SHALL SUPPLY AND USE AS DIRECTED BY THE AIRPORT, REFLECTIVE LOW PROFILE BARREL
- 12. THE CONTRACTOR SHALL CONTACT THE ACTING AIRPORT MANAGER TEN (10) WORKING DAYS IN ADVANCE OF THE START OF CONSTRUCTION SO THAT THE APPROPRIATE NOTAMS MAY BE ISSUED
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED DURING NON WORKING HOURS. THE CONTRACTOR SHALL PROVIDE A SIGN AT THE ACCESS GATE SAYING "AUTHORIZED PERSONNEL ONLY". THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE UPON LEAVING THE SITE. THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGES TO THE ACCESS ROAD ACCESS GATE OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE RESIDENT ENGINEER. ALL COST RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 14. CONTRACTOR WILL BE REQUIRED TO PUT AIRPORT FLAGS AND HAVE BEACON LIGHTS ON ALL EQUIPMENT AT ALL TIMES DURING CONSTRUCTION. SEE FLAG DETAIL, THIS SHEET.
- 15. IN THE CASE OF AN EMERGENCY, CONTRACTOR SHALL NOTIFY AIRPORT MANAGER AND THE ENGINEER
- 16. DURING ADVERSE WEATHER, THE CONTRACTOR SHALL MAKE PROVISIONS FOR ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT, NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK.
- 17. THE TALLEST PIECE OF CONSTRUCTION EQUIPMENT IS ANTICIPATED TO BE AN ASPHALT/STONE TRUCK WHICH HAS A MAXIMUM HEIGHT OF 25 FEET IN A DUMP POSITION.
- 18. IF RUNWAY NUMERALS ARE PRESENT DURING CONSTRUCTION THEN CONTRACTOR SHALL PLACE CLOSED RUNWAY MARKER OVER NUMERALS AS DETAILED, OTHERWISE PLACE RUNWAY CLOSED MARKER IN TURF AT ENDS OF RUNWAY AS DETAILED.
- 19. PALWAUKEE MUNICIPAL AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF WORK WITH THE AIRPORT IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT
- 20. APPROXIMATE LOCATION OF HAUL ROUTES ON THE AIRPORT SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT AND THE PHASING PLANS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE ROADS USED AS HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON—SITE HAUL ROUTES SHALL BE JOINTLY INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE ENGINEER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE WORK, ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND

- 21. MOBILIZATION/EQUIPMENT STORAGE AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON THE PLANS, THIS AREA SHALL BE RESTORED TO THE ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT AT THE CONTRACTOR'S EXPENSE.
- 22. LOCATION OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND MUST BE VERIFIED BY THE CONTRACTOR. REPAIR OF DAMAGED CABLE MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OR AS DIRECTED BY THE OWNER OF THE CABLE, AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE FROM POINT TO POINT IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF A FAA REPRESENTATIVE. THE OWNER MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING
- 23. COORDINATION MEETINGS THE CONTRACTOR SHALL CONDUCT WEEKLY COORDINATION MEETINGS TO DISCUSS WORK AREAS AND SCHEDULING, ETC. WITH THE ENGINEER, AIRPORT OPERATIONS, FAA, AND OTHER APPROPRIATE OFFICIALS. MINUTES FROM THE WEEKLY MEETINGS SHALL BE PREPARED BY THE CONTRACTOR, FURNISHED TO ALL, AITENDEES PRIOR TO THE SUBSEQUENT MEETING, AND KEPT ON FILE AT THE FIELD OFFICE. THE COORDINATION MEETING COSTS SHALL BE CONSIDERED INCIDENTAL TO THE
- 24. THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES.
- 25. DRAINAGE MODIFICATIONS SHALL BE SEQUENCED TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES AT NO ADDITIONAL COST TO THE CONTRACT.
- 26. VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN 72' FROM ACTIVE TAXIWAYS AND 200' FROM ACTIVE RUNWAYS UNLESS OTHERWISE APPROVED BY THE ACTING AIRPORT MANAGER.
- 27. CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A MANNER AS NOT TO VIOLATE FEDERAL AVIATION ADMINISTRATION PART 77 IMAGINARY SURFACES OR RUNWAY AND TAXIWAY SAFETY AREAS.
- 28. ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER ELECTRICAL CABLES SHALL REMAIN IN SERVICE AT ALL TIMES. ALL EXISTING LIGHTING AND VALUE EQUIPMENT SHALL REMAIN IN SERVICE UNTIL PROPOSED IMPROVEMENTS ARE INSTALLED AND OPERATIONAL, UNLESS OTHERWISE APPROVED BY THE ENGINEER. ANY CABLES DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED AT HIS EXPENSE.
- 29. COORDINATION BY THE CONTRACTOR WITH THE EXISTING UTILITIES SHALL BE COMPLETED BEFORE CONSTRUCTION IS STARTED. CONTRACTOR IS REFERRED TO SECTION 50-17 OF THE SPECIAL PROVISIONS CONTRUCTION IS STARTED. CONTRACTOR IS REFERRED TO SECTION 50-17 OF THE SPECIAL PROVISIONS FOR SPECIFIC REQUIREMENTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER OR THE DESIGN ENGINEER ASSUME 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 MATERIAL OF EXISTING UNDERGROUND UTILITIES AS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY 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 RESIDENT ENGINEER AND THE AIRPORT MANAGER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER.
- 30, ALL AIRFIELD LIGHTING AND LIGHTING GUIDANCE SYSTEMS (NAVAIDS) LOCATED WITHIN AND IMMEDIATELY ADJACENT TO THE CONTRACTORS WORK ZONE SHALL BE CHECKED FOR OPERATIONAL CONDITION PRIOR TO THE DEPARTURE FROM THE AIRPORT WITH THE ACTING AIRPORT MANAGER. ANY DEFECIENCIES IN THESE SYSTEMS DUE TO THE ACTS OF CONTRACTOR OR HIS SUBCONTRACTORS, SUPPLIERS OR CONSULTANTS SHALL BE REPAIRED IMMEDIATELY.
- 31. ORANGE CONES SHALL BE PLACED AT 25' CENTERS ALONG THE PAVEMENT EDGE DURING CONCRETE POURING OPERATIONS OF THE CLOSURE LANES TO PREVENT VEHICLES FROM ENTERING PLASTIC CONCRETE. IN THE EVENT A VEHICLE ENTERS THE CONCRETE BEFORE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI HAS BEEN OBTAINED, SAID PAVEMENT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

### CONTRACTOR CROSSING RUNWAY AND TAXIWAY AIR OPERATIONS AREA (A.O.A.)

- 32. ANYTIME THE CONTRACTOR IS REQUIRED TO UTILIZE OR CROSS ACTIVE AIRFIELD PAVEMENTS FOR ACCESS TO AND FROM THE WORK ZONE, A FULL TIME CROSSING GUARD IN RADIO CONTACT WITH THE CONTROL TOWER SHALL BE FURNISHED BY THE CONTRACTOR FOR MOVEMENTS OF VEHICLES OR EQUIPMENT TO AND FROM THE WORK ZONE. THE RADIO OPERATOR SHALL BE FAMILIAR WITH AIRPORT GROUND CONTROL PROCEDURES AND DEMONSTRATE KNOWLEDGE OF SAME TO THE AIRPORT. THE AIRPORT RESERVES THE RIGHT TO APPROVE THE CROSSING GUARDS. THE CONTRACTOR SHALL PROVIDE THEIR OWN RADIOS. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF MUNICIPAL FINES (\$500 PER OCCURENCE) DUE TO AIRFIELD INCURSIONS BY HIS EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, CONSULTANTS AND/OR AGENTS CONSULTANTS AND/OR AGENTS.
- 33. ANY PAVEMENT DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER AT NO ADDITIONAL COST TO THE OWNER. PAVEMENT SHALL BE CONTINUALLY SWEPT TO PROVIDE DEBRIS FREE SURFACE DURING ALL HAUL ROAD OPERATIONS. THIS COST SHALL NOT BE PAID SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE
- 34. WORK WITHIN THE A.O.A. SHALL BE EXPEDITED, ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED, NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARLY 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 MANAGER TEN (10) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.

NOTE - ALL PHASES

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

### DESIGN AIRCRAFT APPROACH CATEGORY: D DESIGN AIRPORT GROUP: III

GROUND CONTROL FREQUENCY: 121.7 AIR CONTROL FREQUENCY: 119.9 MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT: 25'

### CLOSEST CONSTRUCTION POINT TO RUNWAY CENTERLINE

POINT "A"

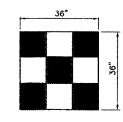
424.6' OFFSET CENTERLINE RUNWAY 16/34 LATITUDE: 42°07'19.13" (NAD83) LONGITUDE: 87'54'17.07" (NAD83) ELEVATION: 640.5

POINT "B"

250' OFFSET CENTERLINE RUNWAY 6/24 LATITUDE: 42'06'55.01" (NAD 83) LONGITUDE: 87'53'44.26" (NAD83)

CONTRACTOR SHALL PLAN AND PERFORM HIS WORK SO AS NOT TO INTERFERE OR HINDER THE PROGRESS, WORK OR HAUL ROAD ACCESS OF OTHER CONTRACTORS (SEE SPECIAL PROVISIONS SECTION 30-05). THE PRIME CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE CONSTRUCTION ACTIVITIES AND ACCESS BETWEEN ALL ON-SITE CONTRACTORS SUBCONTRACTORS IT IS ANTICIPATED THE FOLLOWING PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS

- RECONSTRUCT RUNWAY 12/30.
- · CONSTRUCT S.W. QUADRANT FIRE PROTECTION SYSTEM.
- . CONSTRUCT TAXIWAY C AND EAST QUADRANT APRON.
- · 2005 PAVEMENT REPAIRS.



CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG NOT TO SCALE

### LIMITATIONS ON CONSTRUCTION WITHIN AIRPORT OPERATIONS AREA (A.O.A.)

THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT MANAGER TEN (10) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS. WORK SHALL BE EXPEDITED IN THESE AREAS AND AT THE END OF EACH WORKING DAY THESE AREAS SHALL BE SMOOTHLY GRADED TO ALLOW THE RUNWAY TO BE REOPENED. AT LEAST ONE OF THE RUNWAYS SHALL REMAIN IN OPERATION AT ALL TIMES. IF NECCESSARY STEEL PLATES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR TO COVER ANY OPEN TRENCHES OR EXCAVATION WITHIN THE A.O.A. IF DURING RUNWAY CLOSURE AN EMERGENCY IS DECLARED, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE RUNWAY OF ALL VEHICLES,

### TAXIWAYS:

ANY WORK WITHIN 72' OF THE TAXIWAY CENTERLINE WILL REQUIRE A TAXIWAY CLOSURE, CONSTRUCTION WILL BE ALLOWED UP TO THE EDGE OF THE TAXIWAY PAVEMENTS WITHOUT CLOSURE ON A LIMITED BASIS AS DETERMINED BY THE AIRPORT MANAGER, WORK WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. 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 MANAGER FIVE (5) WORKING DAYS LAYOUT: Layout1 UPDATE BY: mkatz SURVEY BOOK # DATE: Tue 6/28/05 2:10pm XREF DWG: tbclnt.dwg

FILE: segnotes.dwg

REVISIONS NUMBER BY DATE

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PALWAUKEE MUNICIPAL AIRPORT WHEELING / PROSPECT HEIGHTS ILLINOIS SITEWORK  $\circ =$ FA REG ONSTI QUADRANT ÜØ 00 NORTHEAST шZ C RAI EOU

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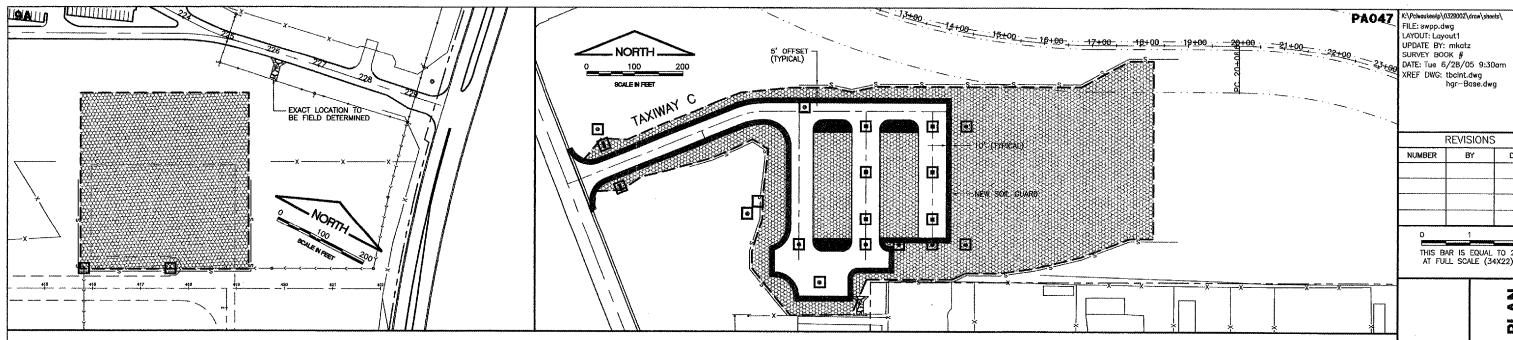


JOB No:

DESIGN BY: ARM DRAWN BY JRL CHECKED BY: APPROVED BY DATE: 06/28/05

ILLINOIS PROJECT: PWK-3471

03290-02



THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE WITH NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIMEFRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING, WHICH WILL BE THE CONTRACTOR'S COST. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE PLANS.

### SITE DESCRIPTION

THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THIS PROJECT CONSISTS OF CONSTRUCTION OF NEW SITEWORK FOR NEW T-HANGARS AND FUTURE HANGARS AND APRON AT THE PALWAUKEE MUNICIPAL AIRPORT. THE PROJECT INCLUDES EARTH EXCAVATION, EMBANKMENT, STORM SEWERS, MANHOLES, INLETS VARIOUS PAVEMENT ITEMS, ELECTRICAL WORK AND OTHER MISCELLANEOUS

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

1.EXCAVATION AND EMBANKMENT WILL BE COMPLETED WITHIN THE PROJECT LIMITS TO GRADE OUT FOR THE PROPOSED AND FUTURE DRAINAGE AND PAVEMENT IMPROVEMENTS.

2.STORM SEWERS, MANHOLES, INLETS AND CULVERT INSTALLATION.

3.PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL. SUCH AS PERIMETER SILT FENCE, TEMPORARY DITCH CHECKS AND INLET PROTECTION.

5.FINAL GRADING, ELECTRICAL INSTALLATION AND OTHER MISCELLANEOUS ITEMS.

6.PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING, MULCHING AND EROSION CONTROL BLANKET.

### AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 11.5 ACRES OF WHICH 11.3 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1.INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION

2.PROJECT PLAN DOCUMENTS, SPECIFICATION AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

THE CONSTRUCTION SITE DRAINS INTO THE DES PLAINES RIVER THROUGH A STORM SEWER SYSTEM.

### CONTROLS-EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION

1.THE DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS T. THE DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE SEEDING AND MULCHING AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITES HAVE. TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET PROTECTION AND PERIMETER SILT FENCE SHALL BE INSTALLED AS CALLED OUT IN THE PLAN AND DIRECTED BY THE ENGINEER.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

### DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS,

1.WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

2.EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTORS EXPENSE, IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS,

3.AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE

A.PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS. B.CONSTRUCT DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS

C.BUILD NECESSARY EMBANKMENT AT CULVERT/STORM SEWER LOCATIONS AND THEN EXCAVATE AND PLACE PIPE

D.EXCAVATED AREAS AND EMBANKMENT AREAS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTOR'S COST, IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN DAYS.

4.CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM

5.THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 OR GREATER OR EQUIVALENT SNOWFALL AND

6.SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR UNCLASSIFIED EXCAVATION AND EROSION CONTROL

7.THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

### DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1.TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS ARE SEEDED AND ESTABLISHED.

2,0NCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

### MAINTENANCE AFTER CONSTRUCTION

CONSTRUCTION IS COMPLETE AFTER FINAL ACCEPTANCE BY THE ILLINOIS DIVISION OF AERONAUTICS. MAINTENANCE UP TO THIS DATE WILL BE REQUIRED BY THE CONTRACTOR.

### LEGEND

NEW SOIL GUARD NEW SEED AND MULCHING NEW SILT FENCE NEW GRADING LIMITS NEW INLET PROTECTION/ SEDIMENT TRAF EXISTING FENCE LINE

**NEW STABILIZED CONSTRUCTION** 

AIRPORT PROPERTY LINE

### CONTRACTORS

- 1. THE STORM WATER POLLUTION PREVENTION PLAN MUST CLEARLY IDENTIFY FOR EACH MEASURE IDENTIFIED IN THE PLAN, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT THE MEASURE ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN THE PLAN MUST SIGN A COPY OF THE CERTIFICATION STATEMENT IN PARAGRAPH 2 BELOW IN ACCORDANCE WITH PART VI.G (SIGNATORY REQUIREMENTS) OF THIS PERMIT. ALL CERTIFICATIONS MUST BE INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN EXCEPT FOR OWNERS THAT ARE ACTING AS CONTRACTOR.
- 2. CERTIFICATION STATEMENT. ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN A STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH PARAGRAPH 1 ABOVE SHALL SIGN A COPY OF THE FOLLOWING CERTIFICATION STATEMENT BEFORE CONDUCTING ANY PROFESSIONAL SERVICE AT THE SITE IDENTIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN:

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (11.110) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

THE CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE IN ACCORDANCE WITH PART VI.G OF THIS PERMIT: THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTING FIRM; THE ADDRESS (OR OTHER IDENTIFYING DESCRIPTION) OF THE SITE: AND THE DATE THE CERTIFICATION IS ADDRESS.

### CONTRACTOR CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (1LR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

GENERAL CONTRACTOR

SIGNATURE TITLE DATE

COMPANY

S 3

REVISIONS

BY

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

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DATE

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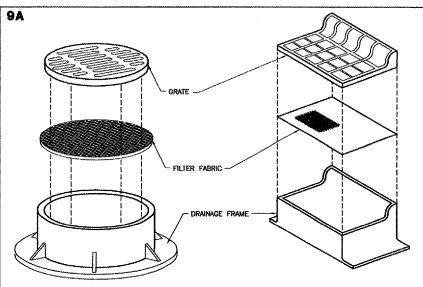
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SITE

3

DESIGN BY ARM DRAWN BY JRO CHECKED BY APPROVED BY: 06/28/05 JOB No: 03290-02

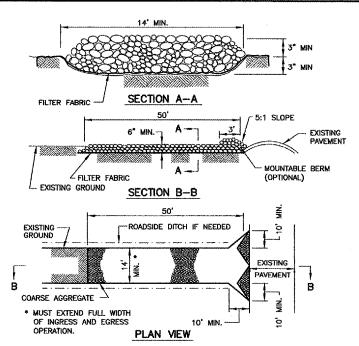
ILLINOIS PROJECT: PWK-3471



### NOTES:

- FILTER WRAP TO BE PLACED IN ALL INLETS, MANHOLES, TRENCH DRAINS AND CATCH BASINS LOCATED IN PAVED AREAS AND NONPAVED AREAS.
- FABRIC SHALL BE IN CONFORMANCE WITH MATERIALS SPECIFIED FOR FABRIC FENCE.
- FABRIC SHALL OVERLAY FRAME BY 2" (MIN.).
- CONTRACTOR SHALL CLEAR DEBRIS AND SILT AS REQUIRED FROM FABRIC TO MAINTAIN DRAINAGE THROUGH THE STRUCTURE.
- FABRIC SHALL REMAIN IN PLACE UNTIL TURFED AREAS HAVE DEVELOPED A MIN. OF 80% OF COVERAGE.
- COST OF FILTER WRAP SHALL BE CONSIDERED INCIDENTAL TO INLET PROTECTION.

# DRAINAGE STRUCTURE FILTER WRAP

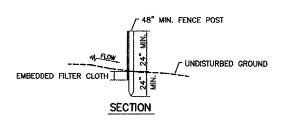


- FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFIED FOR AR152540 IN THE ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF AERONAUTICS SUPPLEMENTAL SPECIFICATIONS AND RECURING SPECIAL PROVISIONS.
- 2. ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4.
- 3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS AND SHALL BE INCIDENTAL TO THE CONTRACT.
- 4. MINIMUM WIDTH IS 14' FOR ONE-WAY TRAFFIC AND 20' FOR TWO WAY TRAFFIC. TWO-WAY TRAFFIC WIDTHS SHALL BE INCREASED A MINIMUM OF 4' FOR TRAILER TRAFFIC. DEPENDING ON THE TYPE OF VEHICLE OR EQUIPMENT, SPEED, LOADS, CLIMATIC AND OTHER CONDITIONS UNDER WHICH VEHICLES AND EQUIPMENT OPERATE AN INCREASE IN THE MINIMUM WIDTHS MAY BE
- 5. ROADWAY SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE.
- 6, STABILIZED CONSTRUCTION ENTRANCE SHALL BE INCIDENTAL TO THE CONTRACT.

### STABILIZED CONSTRUCTION ENTRANCE FROM NRCS STANDARD DRAWING NO. IL-630

SILT FENCE MAX C. TO C. 48" MIN. FENCE POSTS, DRIVEN





### CONSTRUCTION NOTES FOR SILT FENCE

- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" MIN. AND FOLDED.
- 2. 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.
- 3. SILT FENCE SHALL BE INSTALLED PER LANDSCAPING/EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

CONTRACTOR INFORMATION

NOTICE OF INTENT (NOI)
GENERAL PERMIT TO DISCHARGE STORM SEWER
CONSTRUCTION SITE ACTIVITIES FORM MUST BE TYPED TO ENABLE AUTOMATED OPTICAL PROCESSING.
SUBJET OFFICIAL - DO NOT SUBJET PHOTOCOPY

OWN	ER INFORMATION							
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arr:	WHEELING	5	τ. IL	ZIP:	60090	FEDER.	AL.	
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HAME: LAST	FIE	RST M	. (SEE INSTRUCT	ONS) TELEPHON MUMBERS:	AREA CODE		NUMBER	
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CONSTRUCTION	SITE INFOR	MATION						
SELECT ONE AND TYPE "X"	EXISTING	X NEW	CHANGI INFORM					
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SE ANS	LECT ON	EXISTING SITE	X NEW	CHANGE OF INFORMATION	***************************************						
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crry:	WHEE	LING	st. JL	zs»: 60090	LATITUDE: 0 ORANEST 15 STORES	EG.	MIN. SEC.	LATITUDE (MOUNTS) 15 MIXMOSS	DEG	MIN.	SEC.
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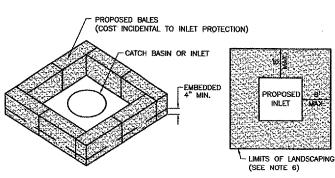
RESIDENTIAL	COMMERCIAL	INDUSTRIAL	RECONSTRUCTION	TRANSPORTATION	Х отна
ECEVING WAT	TER INFORMAT	ION			
		RECTLY TO: (SELECT ONE AN	TYPE "X")	***************************************	
	STATE OR	X STORM SEWER	OWNER OF STORM SEWER SYSTEM	WHEELING/PROSPI	ECT HTS.
NAME OF CLOSEST RECEIVING WATER (IF KNOWN)	DES PLA	INES RIVER		- Marie de Marie de La Companya de L	•
DOES THE QUANTITATHE STORM WATER O		Y EXIST WHICH DESCRIBES T	HE CONCENTRATION	OF POLLUTANTS IN	
with a system designed contify under pend	to comme that qualified ty of law that this door	personnel properly gother and ever	sure the information a	Ubmitted. Based on my inquiry for and supervision in accordance	
of the person or per submitted is, to the submitting foliae infor	one who manage the a bret of my knowledge a motion, including the po	otem, or those persons directly n	exponsible for gethering splets. Fam sweet the in excition, i certify	the information , the information t there are significent panelties for that the provisions of the parent.	
WHER SIGNATURE:				DATE:	

### EROSION CONTROL FABRIC FENCE DETAIL

### **NOTES**

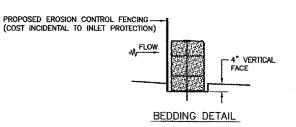
- 1. BALES SHALL BE PLACED AT THE TOE OF SLOPE OR ON A CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING ADJACENT BALES.
- 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES, AND PLACED SO THE
- 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER, STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECTION SHALL BE FREQUENT AND REPAIR / REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- 5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. COST OF REMOVAL / REPLACEMENT TO BE INCLUDED IN UNIT PRICE FOR INLET PROTECTION/DITCH CHECK.
- 6. AFTER FINAL APPROVAL BALES MAY BE REMOVED. CONTRACTOR SHALL BLANKET WITH SEED OR KNITTED STRAW MAT WITH SEED OVER THE DISTURBED AREAS. COST INCIDENTAL TO INLET PROTECTION.

RIP RAP SHALL BE IDOT RR3 AND 12" THICK. FILTER FABRIC SHALL BE INCIDENTAL TO THE COST OF THE RIP RAP.



INLET PLACEMENT

INLET PLACEMENT



STORM INLET SEDIMENT TRAP DETAIL - TURF AREAS

N.T.S.

UPDATE BY: johse SURVEY BOOK # XREF DWG: XREF DWG: DATE: Wed 6/8/05 9:39am REVISIONS NUMBER BY DATE THIS BAR IS EQUAL TO 2' AT FULL SCALE (34X22). PREVENTION ETAILS MUNICIPAL AIRPORT SPECT HEIGHTS ILLINOIS SITEWORK SO SOLLUTION ES AND QUADRANT PALWAUKEE MUNIC WHEELING / PROSPECT ÀF. SE N NORTHEAS WAT 0 S 3 DESIGN BY: ARM DRAWN BY JRO CHECKED BY: APPROVED BY DATE: 06/28/05 03290~02 JOB No: ILLINOIS PROJECT: PWK-3471

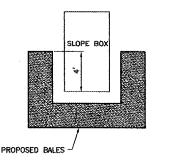
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LIMITS OF LANDSCAPING (SEE NOTE 6)

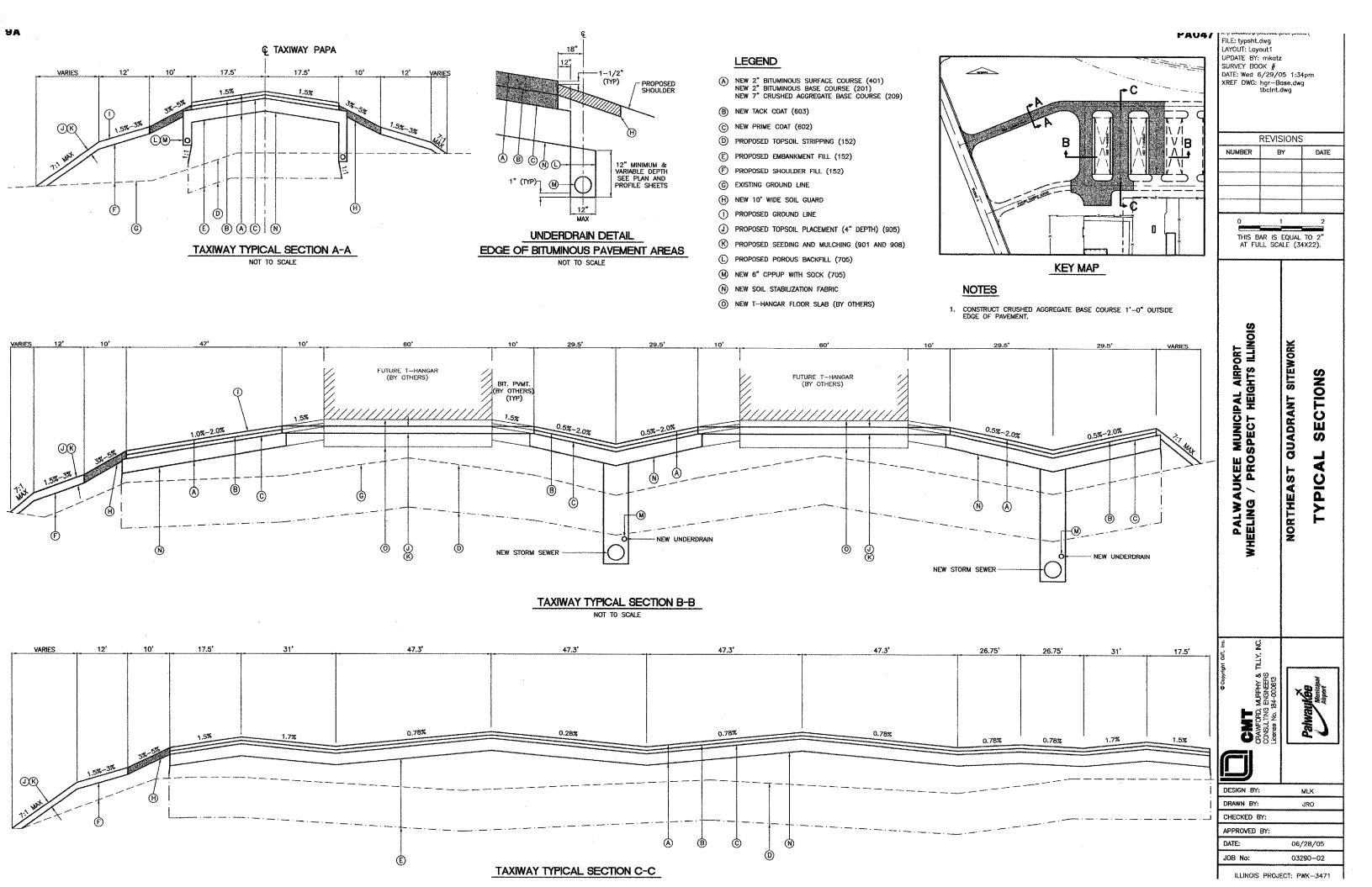
SLOPE BOX

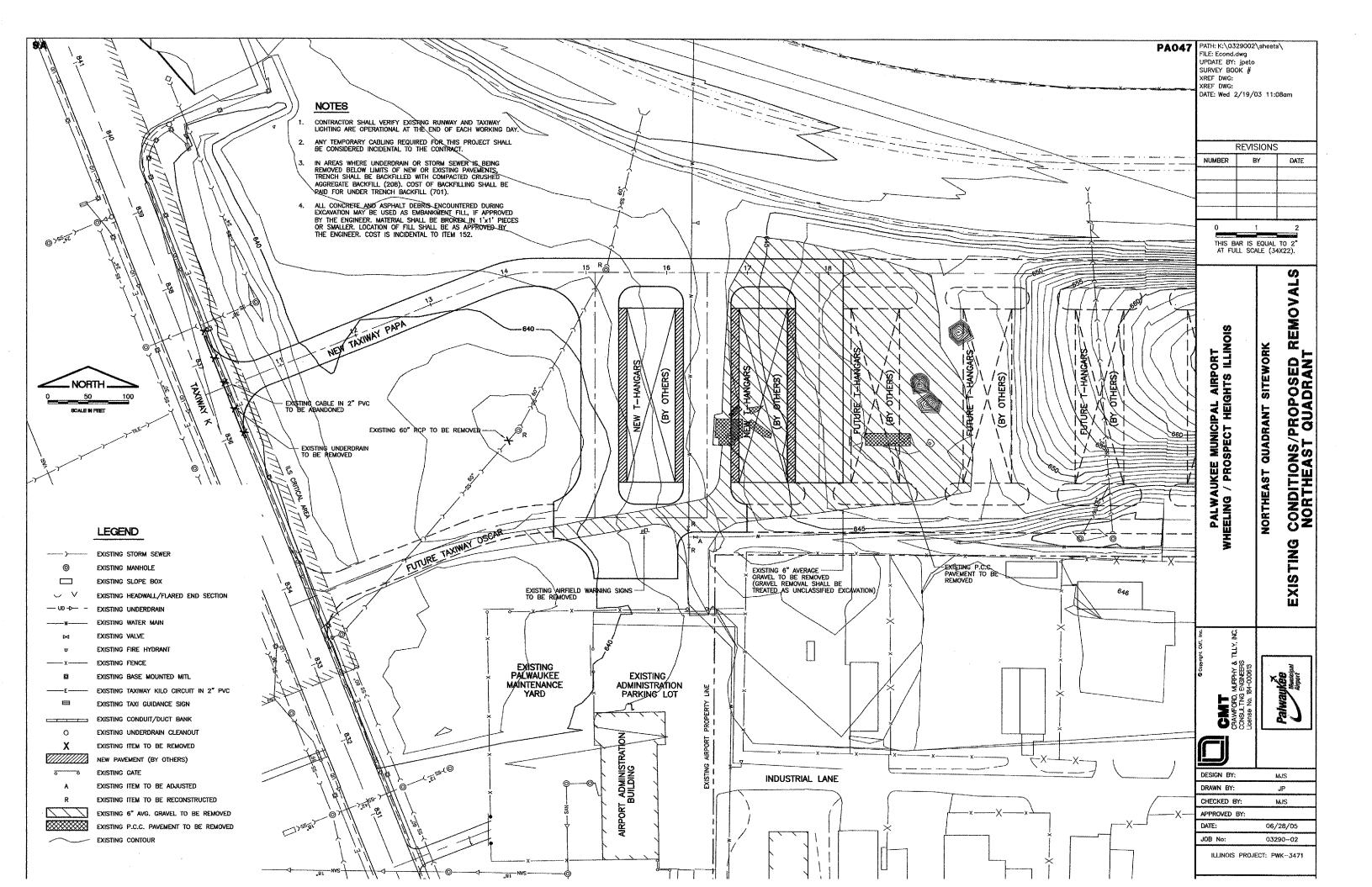
8' MAX.

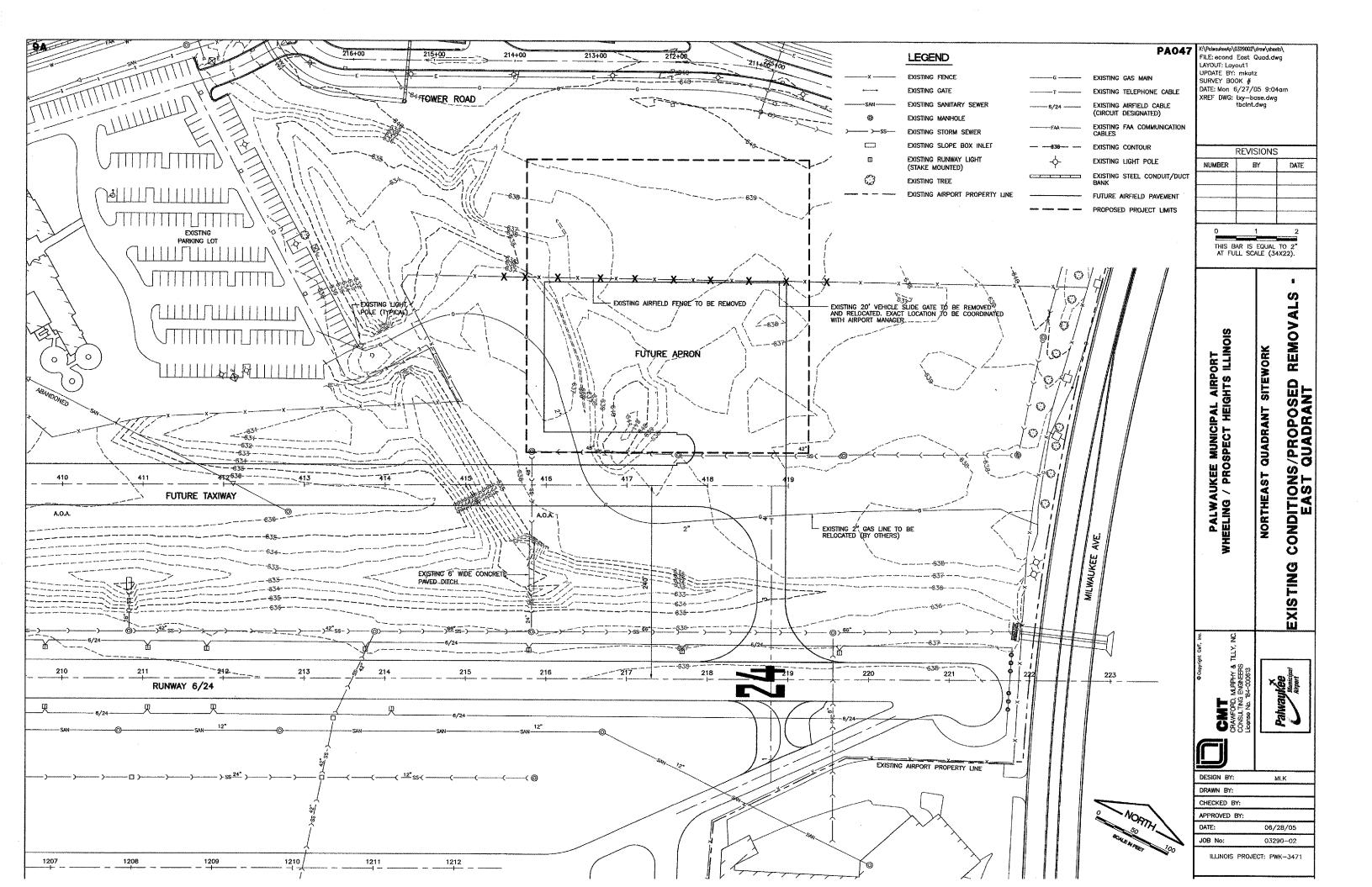


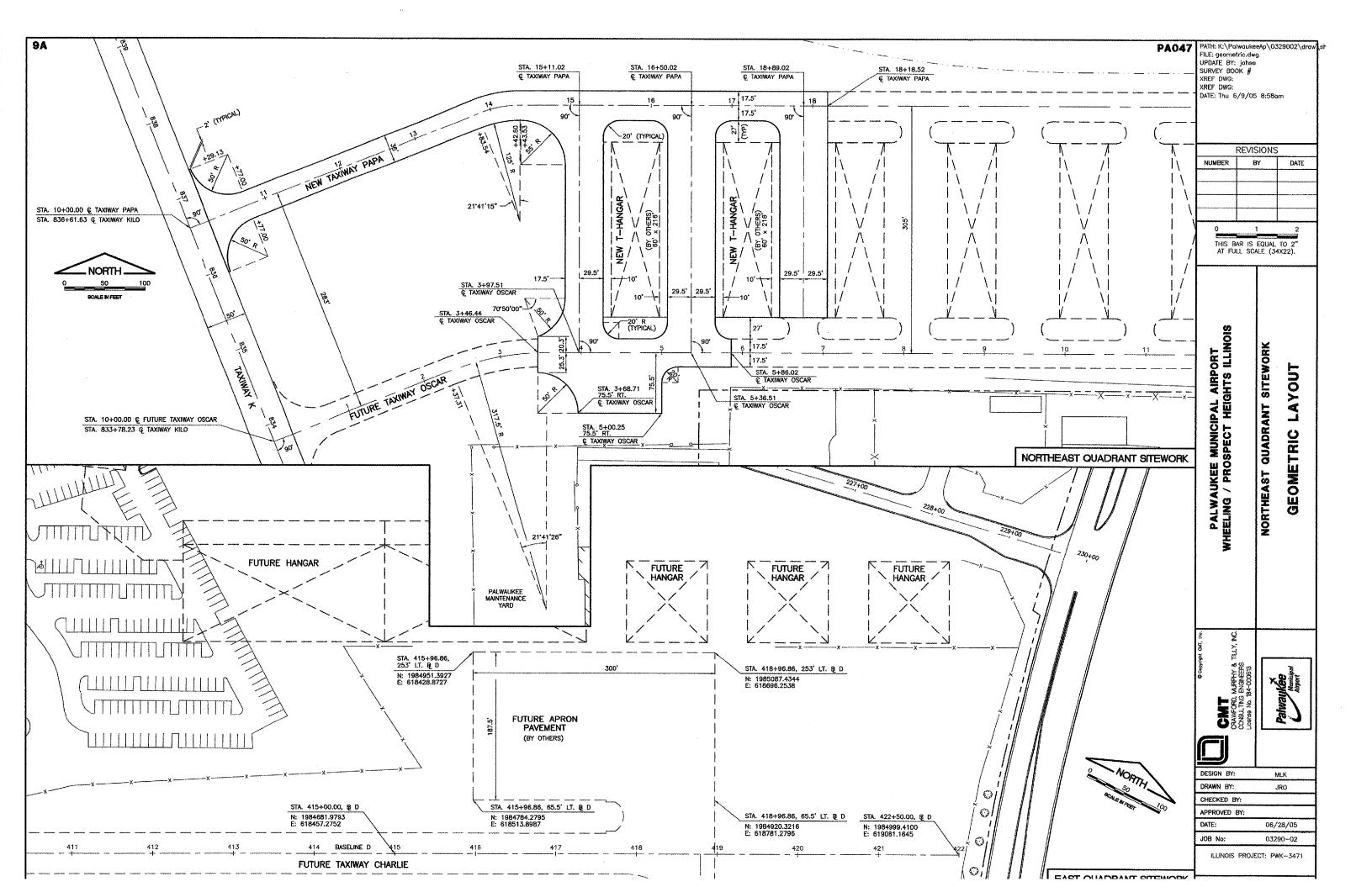
SLOPE BOX SEDIMENT TRAP DETAIL

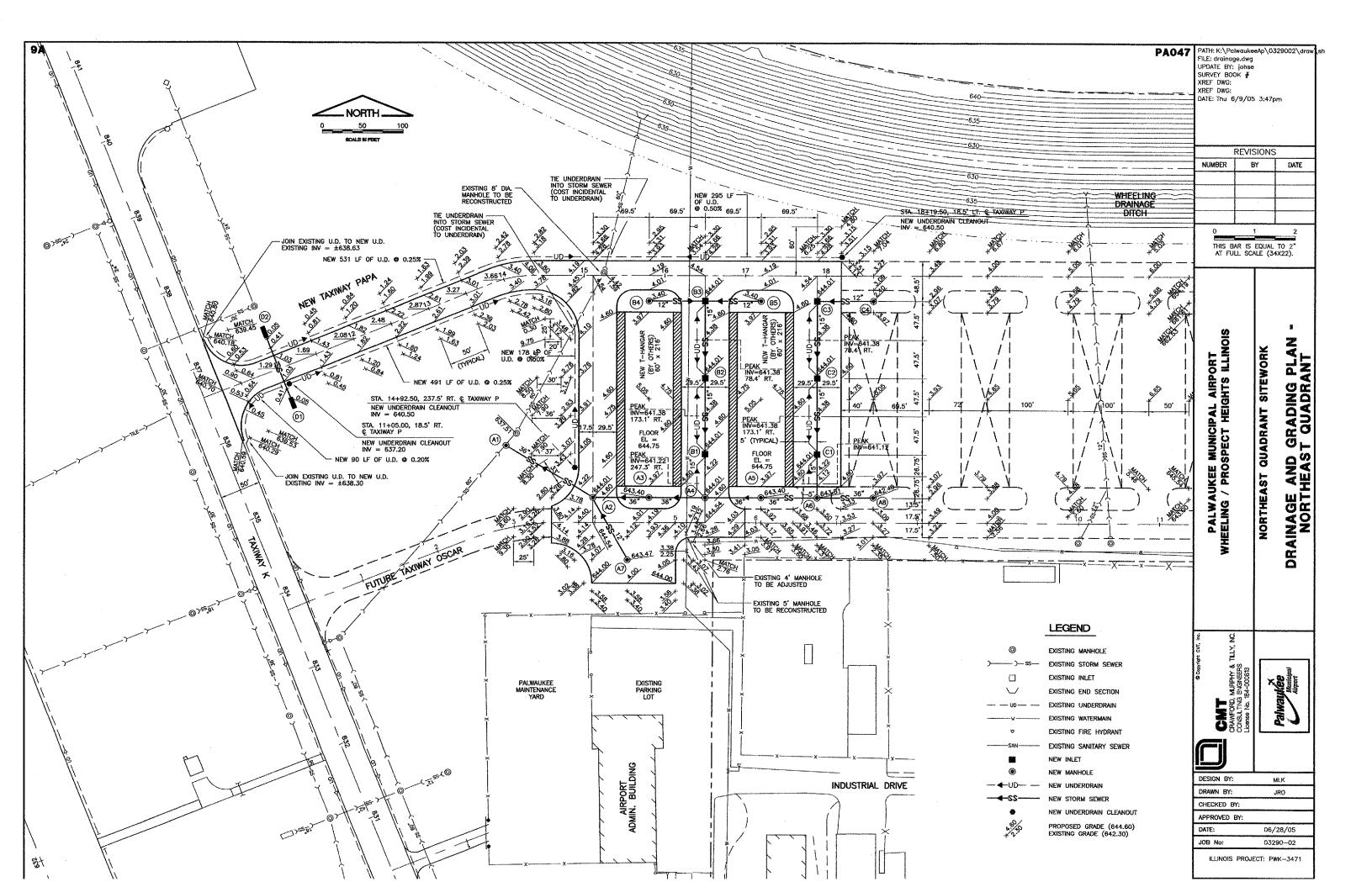
N.T.S.

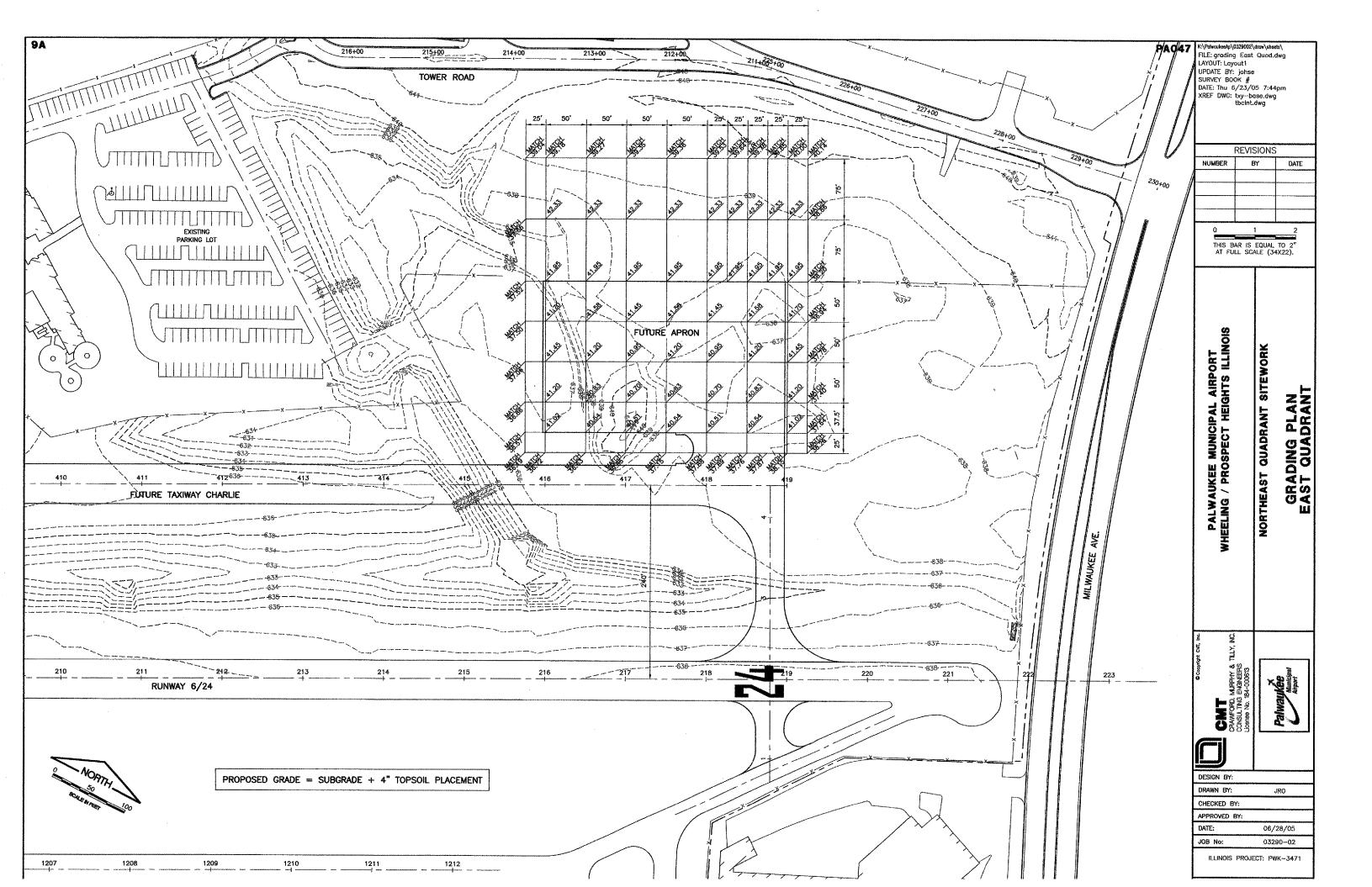


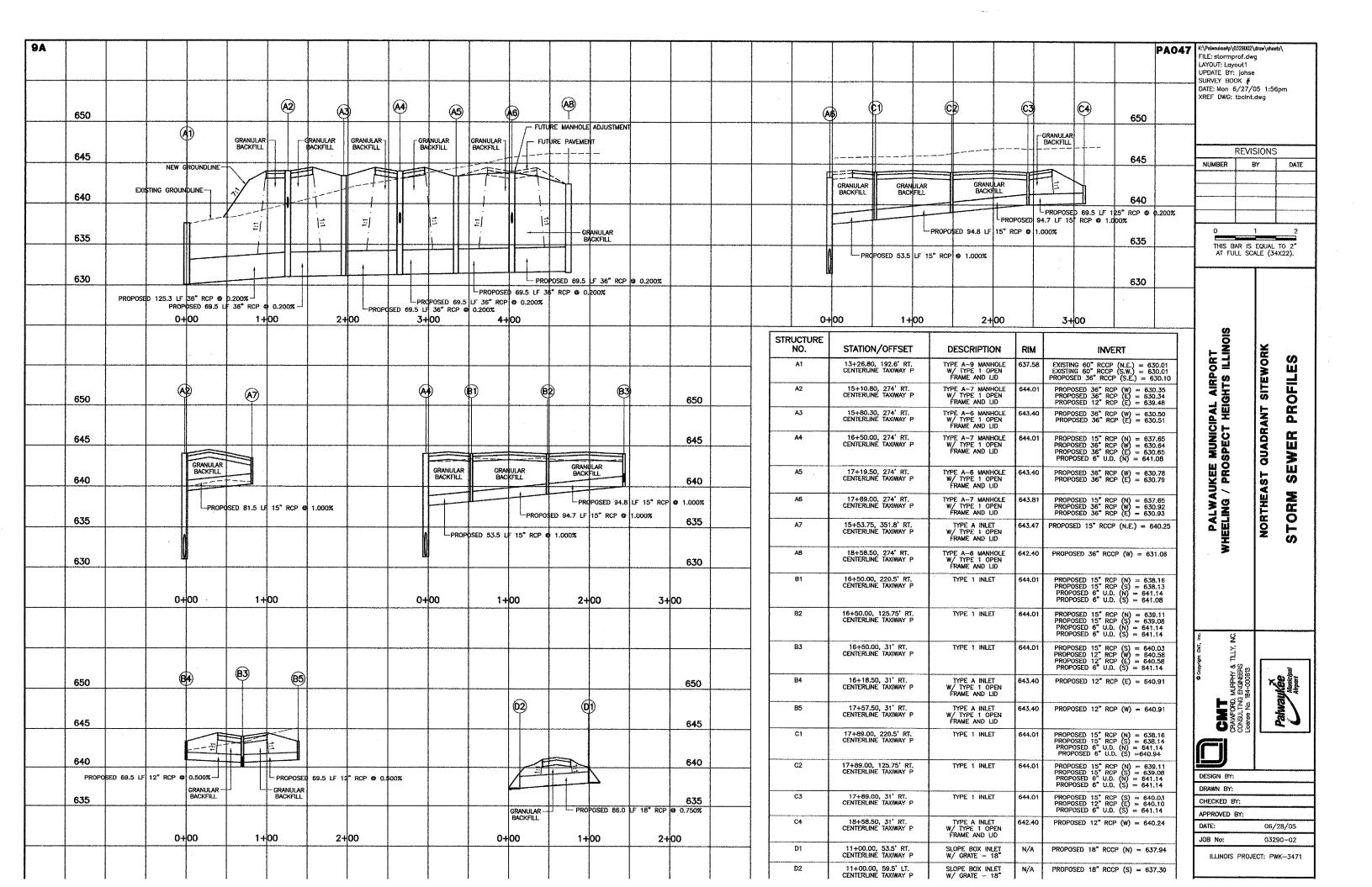






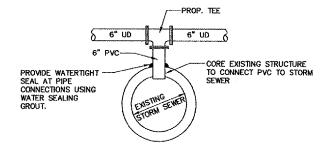


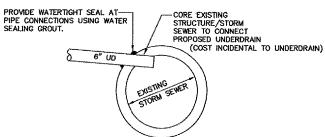




### CONCRETE COLLAR - STORM SEWER

NOT TO SCALE

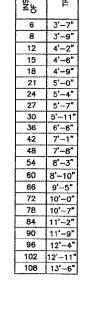




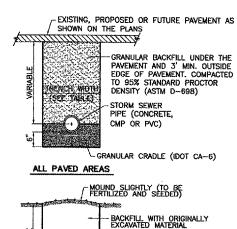
### UNDERDRAIN CONNECTION DETAILS

NOT TO SCALE

UNDERDRAIN CONNECTIONS AND FITTINGS, TEES AND ELBOWS USED FOR CONNECTIONS TO PROPOSED STRUCTURES AND STORM SEWERS / EXISTING STRUCTURES AND STORM SEWERS, SHALL BE CONSIDERED INCIDENTAL TO THE PROPOSED UNDERDRAIN.

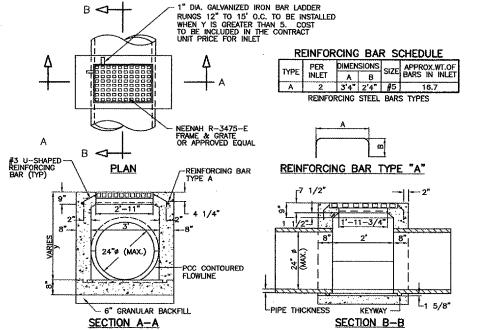


MAXIMUM ENCH WIDI



NON-PAVED AREAS

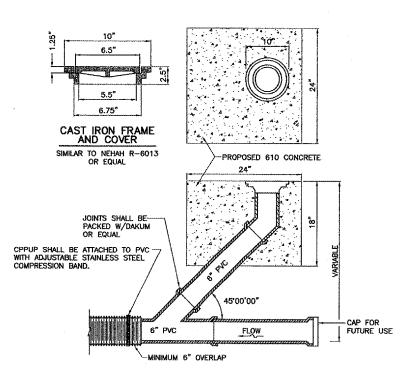
GRANULAR CRADLE (IDOT CA-6)



# TYPE 1 INLET

### NOTES

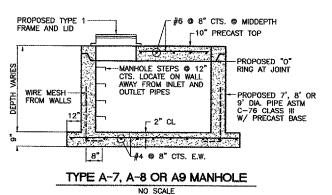
- 1/2" CHAMFER TO BE USED ON ALL EXPOSED CORNERS ON INLETS. BARS TO BE INSTALLED 2" FROM FACE OF WALL.
- 2. INLET TO BE CONSTRUCTED OF STRUCTURAL P.C. CONCRETE. THE CONTRACT UNIT PRICE FOR INLET SHALL INCLUDE THE GRATE AND FRAME AS SPECIFIED.



### UNDER DRAIN CLEANOUT N.T.S.

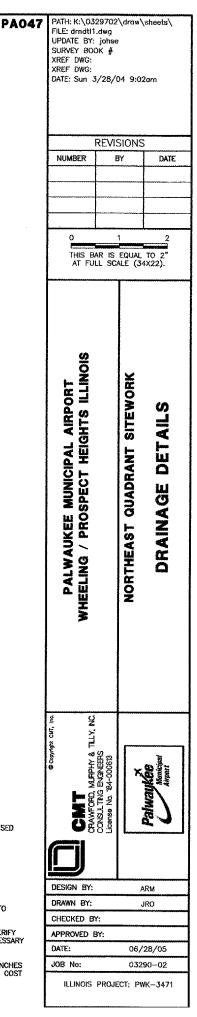
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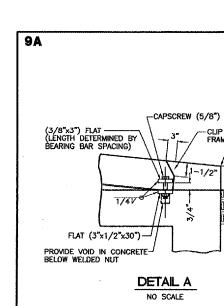
1. CONTRACTOR SHALL INSTALL UNDER DRAIN CLEANOUT STRUCTURES AT EDGE OF PAVEMENT AS SHOWN ON THE PLANS



### STORM SEWER/UNDERDRAIN NOTES

- CONTRACTOR SHALL FIELD VERIFY EXISTING STORM SEWER/UNDERDRAIN INVERTS BEFORE INSTALLING PROPOSED PIPE, CONNECTIONS AND ORDERING MATERIALS.
- ALL UNDERDRAIN CONNECTIONS, CORING INTO STRUCTURES, TEES, BENDS, STORM SEWER ETC. SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE UNDERDRAIN.
- 3. UNDERDRAIN SLOPES FOLLOW EDGE OF PAVEMENT SLOPE UNLESS OTHERWISE NOTED.
- 4. INSTALL PROPOSED ELECTRICAL DUCTS/CONDUITS TO BE CLEAR OF UNDERDRAIN, COST INCIDENTAL.
- UNDERDRAIN CONFLICTS WITH EXISTING CONDITIONS SHALL BE RESOLVED AND COST SHALL BE INCIDENTAL TO UNDERDRAIN.
- 6. PRIOR TO ORDERING AND INSTALLING ALL FIELD TILE REPLACEMENT PIPE, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND INVERTS OF EXISTING FIELD TILE CONNECTIONS. ADJUSTMENTS SHALL BE MADE AS NECESSARY AT NO ADDITIONAL COST TO THE CONTRACT.
- CORING OF DRAINAGE STRUCTURE AND REMOVAL OF EXISTING STORM SEWER MANHOLE/INLET CONCRETE BENCHES TO FACILITATE CONNECTIONS OF PROPOSED STORM SEWER PIPE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PIPE.

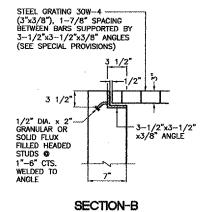




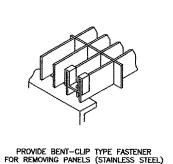
---CLIP CORNER OF FRAME AND GRATING

2-1/2"

FORM CONCRETE TO HERE

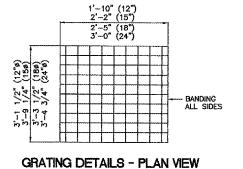


NO SCALE



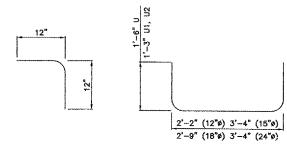
SADDLE CLIP

NO SCALE



NO SCALE

ONE SECTION OF GRATING DETAILED.
TOTAL OF 3 SECTIONS REQUIRED FOR 12" & 15".
TOTAL OF 4 SECTIONS REQUIRED FOR 18"
TOTAL OF 5 SECTIONS REQUIRED FOR 24".
SEE SPECIAL PROVISIONS FOR FURTHER DETAILS.



BAR L NO SCALE BAR U, UI AND U2

## BILL OF MATERIALS

INLET BOX

TYPE	BAR	QUANTITY	SIZE	LENGTH
12"	h	4	#4	9'-11"
15"	h	4	#4	11'-7°
18"	h	6	#4	13'B"
24"	<u>h</u>	6	#4	17'-6"
12"	h1	2	#4	8'-0"
15"	<u>h1</u>	2	#4	10'0"
18"	h1	2	#4	12'-0"
24"	h1	22	#4	15'-0"
12"	L	4	#4	2'-0"
15"	L	4	#4	2'-0"
18"	L.	4	#4	2'~0"
24"	L L	4	#4	2'~0"
12"	U	4	#4	5'~2"
15"	ŭ	6	#4	5'~6"
18"	ΰ	8	#4	5'-9"
24"	υ	12	#4	6'-4"
12"	U1	4	#4	4'8"
15"	UI	3	#4	5'-0"
18"	Ŭ1	4	#4	5'~3"
24"	U1	4	#4	5'-10"
12"	U2	2	#4	4'-8"
15"	U2	2	#4	5'-0"
18"	U2	2	#4	5'-3"
24"	U2	2	#4	5'-10"
12"	V	4		1'-4"
15"	v	4	#4 #4	
18"	v	6	#4	1'8" 1'10"
24"	v	6	#4	2'-5"
12"	V1		#4	
15"	V1	4	#4	1'-4"
18"	VI	6	#4	1'5"
24"	V1	6	#4	2'0"
12"	V2			
15"	V2 V2		#4	
18"	V2 V2		#4	
24"	V2 V2	8	#4 #4	1'-6"
			#7	1 -0
	RETE ST	RUCTURES		-
12"ø			CU.YD.	2
15"ø 18"ø			CU.YD.	2
24"ø		***************************************	CU.YD.	3
<u> </u>			CU.TU.	3
	DRCEMEN	NT BARS		
			POUND	85
12"ø				
12"ø 15"ø			POUND	100
12"ø 15"ø 18"ø			POUND	145
12"ø 15"ø			-	
12"Ø 15"Ø 18"Ø 24"Ø GRATIN	1G		POUND	145
12"ø 15"ø 18"ø 24"ø GRATII 12"ø	4G		POUND POUND SQ.FT.	145 200 18
12"ø 15"ø 18"ø 24"ø GRATII 12"ø 15"ø	₹G		POUND POUND SQ.FT. SQ.FT.	145 200 18 25
12"ø 15"ø 18"ø 24"ø GRATII 12"ø	4G		POUND POUND SQ.FT.	145 200 18

RCCP 12",15",18",24" VARIES 6"	9" 6" 2" CL #4h BARS © 8" CENTERS  U BARS © 12" CENTERS	C 7 1  -v2 -v2 -v2 -v2 -v2 -v2 -v2 -v2 -v2 -v	2-1/2"  SEE DETAIL "A"
	SEE BILL OF MATERIALS FOR NUMBER OF BARS.	SEE BILL OF MATERIALS FOR NUMBER OF BARS  7" 12" 6"	1.00

### SECTION A-A NO SCALE

# SLOPE TO DRAIN (MIN. 1.0%) #4 u BARS SEE CRATING DETAIL PLAN FOR GRATING DIMENSIONS AND REQUIRED SECTIONS. 4 A A #4 u1 BARS

PLAN NO SCALE

### TABLE OF DIMENSIONS

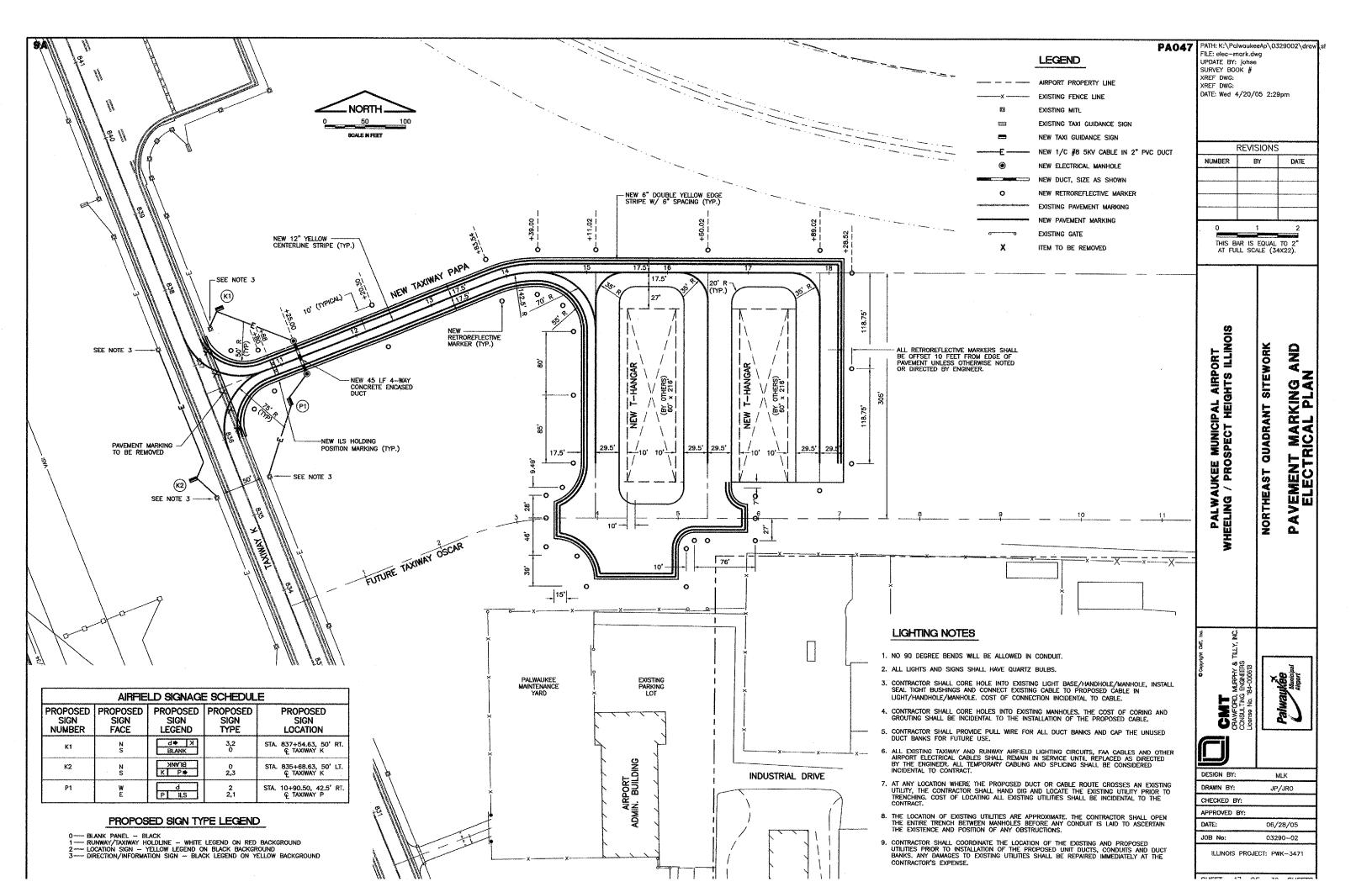
DIMENSION	12"ø	15"ø	18"ø	24°ø
A	10'3"	12'~1"	14'~0"	17'-10"
В	2'6"	2'-10"	3'~1"	3'-8"
С	9'-5"	11'-4"	13'~-3"	17'-1"

WHEELING / PROSPECT HEIGHTS ILLINOIS  WHEELING / PROSPECT HEIGHTS ILLINOIS  WHEELING / PROSPECT HEIGHTS ILLINOIS  NORTHEAST QUADRANT SITEWORK  SLOPE BOX INLET DETAILS	NUME		ISIONS BY	DATE
LWAUKEE MUNICIPAL AIRPORT ING / PROSPECT HEIGHTS ILLINOIS THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK				
LWAUKEE MUNICIPAL AIRPORT ING / PROSPECT HEIGHTS ILLINOIS THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK				
LWAUKEE MUNICIPAL AIRPORT ING / PROSPECT HEIGHTS ILLINOIS THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK THEAST QUADRANT SITEWORK	0		1	2
ING THE THE		HIS BAR IS AT FULL S	S EQUAL CALE (34	
I	PALWAUKEE MUNICIPAL AIRPORT	<u>5</u>	NORTHEAST QUADRANT SITEWORK	SLOPE BOX INLET DETAILS
	© Copyright CM7, Inc.	CHAWFORD, MARPHY & CONSULTING BYGINEERS LICENSE No. 184-000613	×	Fallwaykee Municipal Kirport
CHANTON MARPHY & CONSULTING ENGINEERS LICENSE NO. 184-000618		j		
CANT CRAWFORD, MAPPHY & TLLY, NC. CONSULTING BNGNEERS License No. 184-000613  Palwauke Municipal Kimport				
DESIGN BY: ATI			J	RO
DESIGN BY: ATI DRAWN BY: JRO		VED BY:		
DESIGN BY: ATI DRAWN BY: JRO CHECKED BY: APPROVED BY:	DATE:		06/:	28/05

PA047 PATH: K:\0329005\draw\sheets\
FILE: sbox.dwg
UPDATE BY: johse
SURVEY BOOK #

XREF DWG: DATE: Fri 5/21/04 1:57pm

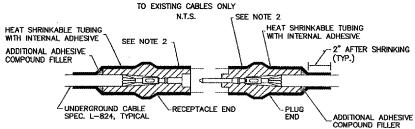
XREF DWG:



CONNECTOR, CRIMP WITH TOOL

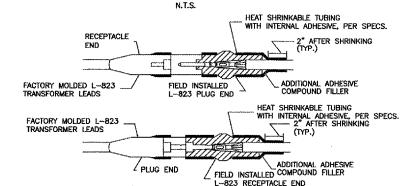
### RECOMMENDED BY MANUFACTURER TYPE A - CABLE SPLICE

FOR SPLICES IN HOMERUNS AND FOR EXTENSIONS



### TYPE B - CABLE SPLICE

FOR SPLICES FOR USE AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT

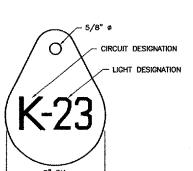


### TYPE C AND D - CABLE SPLICE

FOR SPLICES AT RUNWAY/TAXIWAY LIGHTS AND SIGNS N.T.S.

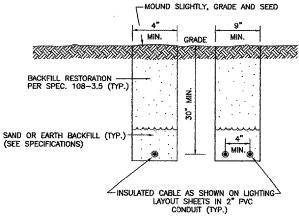
### NOTES

- 1, INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.
- 2. 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.
- 4. THE CONTRACTOR SHALL HAVE A MINIMUM OF TWO (2) TYPE A SPLICE KITS ON THE JOB SITE AT ALL TIMES FOR EMERGENCY REPAIRS.



### NOTES

- 1. INSTALL A NONCORROSIVE DISC OF 2"
  MINIMUM DIAMETER WITH THE NUMBER
  PERMANENTLY STAMPED, CUT OUT, OR
  ENGRAVED UNDER THE HEAD OF THE BASE
  PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH A SET SCREW.
- NUMERALS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, ALL EXISTING AND PROPOSED TAXIWAY AND RUNWAY LIGHTS AND SIGNS SHALL BE TAGGED AS DIRECTED BY THE RESIDENT ENGINEER, ALL LIGHTS ON EXISTING CIRCUITS THAT HAVE LIGHTING MPROVEMENTS (PROPOSED OR RELOCATED LIGHTS) SHALL BE RETAGGED.
- 3. Cost of tagging lights shall not be Paid for seperately but shall be considered incidental to the contract.

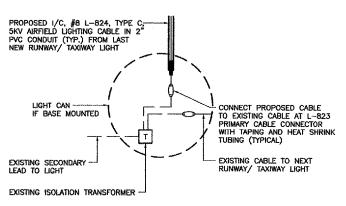


### TURF AREA CABLE TRENCH DETAIL

NOT TO SCALE

### **NOTES**

- TRENCHES WITH MORE THAN 2 CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE, IF SPECIFIED ON PLANS, TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
- 2. DEPTH OF TRENCHES SHALL BE AS SHOWN UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- 3. SAND BACKFILL SHALL BE USED IF THE EXISTING SOIL DOES NOT MEET THE BACKFILL REQUIREMENTS.
- 4. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL.



### RUNWAY/TAXIWAY LIGHTING CIRCUIT CONNECTION DETAIL

NOT TO SCALE

#4 CONTINUOUS REBARS IN EACH CORNER

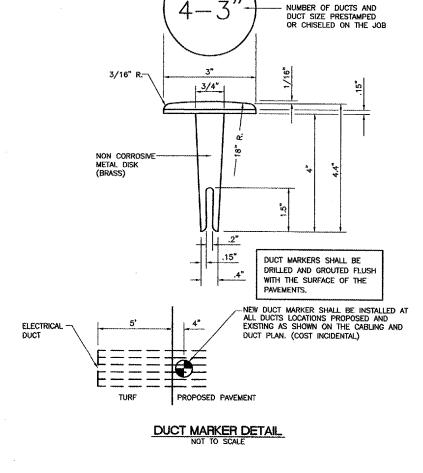
CONCRETE ENCASED DUCT

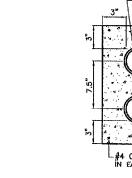
END DETAIL

NO SCALE

STANDARD

COUPLING

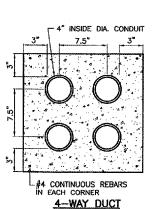




### NOTES:

- 1. DIMENSIONS ARE MINIMUM.
- 2. CONCRETE SHALL CONFORM TO
- 3. ALL CONDUIT SHALL BE SCHEDULE 40 PVC.
- 4. TOP OF CONCRETE ENCASEMENT IN TURF AREAS SHALL NOT BE LESS THAN 30" BELOW FINISHED GRADE.

CONCRETE ENCASED DUCT BANKS NOT TO SCALE



AUKEE MUNICIPAL AIRPORT 1 / PROSPECT HEIGHTS ILLINOI W SITEW 丁の Ø 뒽 QUADRA PALWA CTRIC. ũ 3 DESIGN BY: ARM DRAWN BY: JRO CHECKED BY APPROVED BY 06/28/05 JOB No: 03290--02 ILLINOIS PROJECT: PWK-3471

K:\PalwaukeeAp\0329002\draw\sheets\

**REVISIONS** 

BY

THIS BAR IS EQUAL TO 2'

AT FULL SCALE (34X22).

DATE

FILE: elec-dtl1.dwg

LAYOUT; Layout1 UPDATE BY: johse

SURVEY BOOK # DATE: Mon 6/27/05 4:47pm XREF DWG: tbclnt.dwg

NUMBER

**PA047** 

### LIGHT IDENTIFICATION DETAIL NOT TO SCALE

### **GENERAL NOTES**

- 1. TRANSFORMER HOLDER MAY BE ANY COMMERCIALLY AVAILABLE BRICK.
- BREAKING GROOVE COUPLINGS SHALL NOT BE OVER 1" ABOVE GROUND LINE.
- ISOLATION TRANSFORMERS COME WITH A FACTORY INSTALLED PLUG (TYPE 1, CLASS A, STYLE 2) AND RECEPTACLE (TYPE 1, CLASS A, STYLE 9). A TYPE 1, CLASS B, STYLE 3 PLUG AND TYPE 1, CLASS B, STYLE 10 RECEPTACLE SHALL BE INSTALLED ON THE 1/C, No. 8, 5000 V., L-824 TYPE C CABLES FOR CONNECTION TO EACH TRANSFORMER.
- 4. TO FURTHER REDUCE THE POSSIBILITY OF WATER/MOISTURE ENTRANCE INTO THE CONNECTOR BETWEEN THE CABLE AND THE FIELD ATTACHED CONNECTOR, IT IS REQUIRED THAT A HEAT SHRINKABLE TUBING WITH INTERNAL ADHESIVE BE APPLIED OVER THE ENTIRE CABLE CONNECTOR.
- ALL LIGHTS, CABLES AND TRANSFORMERS TO BE REMOVED SHALL REMAIN THE THE PROPERTY OF THE AIRPORT. AT THE DISCRETION OF THE AIRPORT MANAGER CONTRACTOR MAY BE REQUIRED TO DISPOSE OF THESE MATERIALS OFFSITE.
- DUCT MARKERS SHALL BE INSTALLED AT EVERY NEW DUCT AND AT EVERY EXISTING DUCT USED FOR THIS PROJECT.

# -FLAT SLAB TOP STEPS AT 12" TO 16" CENTERS SEE PLAN DUCT -4-2" OPENINGS (TYP. EACH SIDE) 4' CIRCULAR -- 6" FA-1, FA-2 OR CA-6 **ELEVATION**

### ELECTRICAL MANHOLE

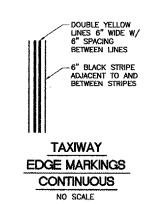
NOT TO SCALE

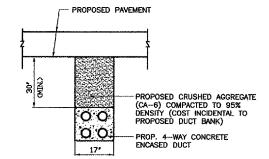
### **NOTES**

- ELECTRICAL MANHOLE (4° DIA.) SHALL BE PER IDOT STANDARD 602406 AS MODIFIED BY DETAIL ON THE PLANS.
- 2, ECCENTRIC AND CONCENTRIC CONE TOPS SHALL NOT BE USED, PRECAST REINFORCED CONCRETE FLAT SLAB TOP SHALL BE USED PER IDOT STANDARD 602601 AND 602406.
- 3. USE TYPE 1 FRAME AND LID MARKED "ELECTRIC" PER IDOT STANDARD
- PROPOSED ELECTRICAL MANHOLE SHALL ACCOMODATE 4-2" OPENINGS ON EACH SIDE OF THE MANHOLE.

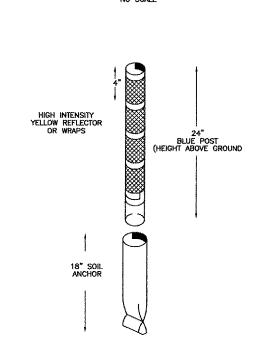
### **PAVEMENT MARKING NOTES**

- 1. ALL TAXIWAY MARKINGS ARE YELLOW WITH A 6" BLACK BORDER.
- 2. THE PAVEMENT SURFACE SHALL BE CLEAN AND DRY PRIOR TO MARKING



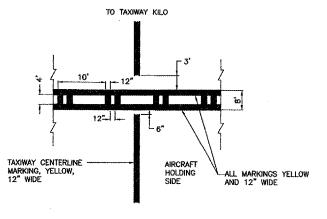


### CONC ENCASED (4-WAY) ELECTRICAL DUCT BACKFILL



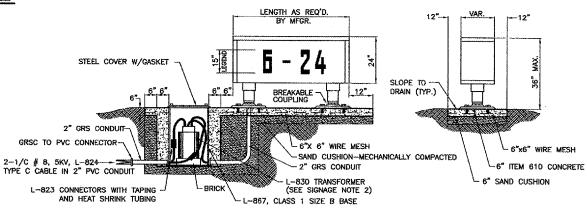
### TAXIWAY RETROFLECTIVE MARKER DETAIL NOT TO SCALE

NOTE: RETROFLECTIVE MARKER SHALL BE UNIPAR, INC. EVAFLEX OR APPROVED EQUAL.



### ILS HOLDING POSITION MARKING

NO SCALE

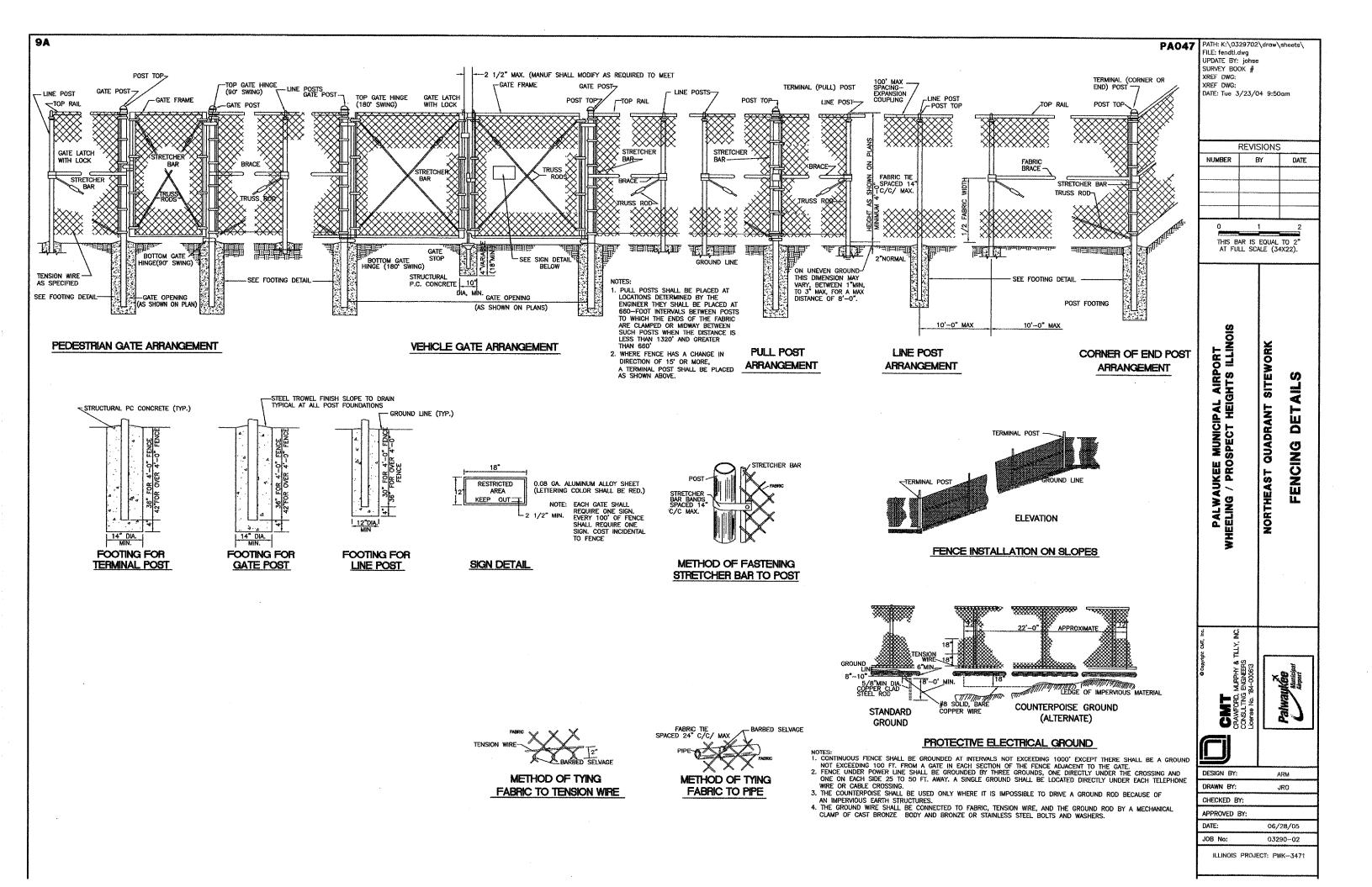


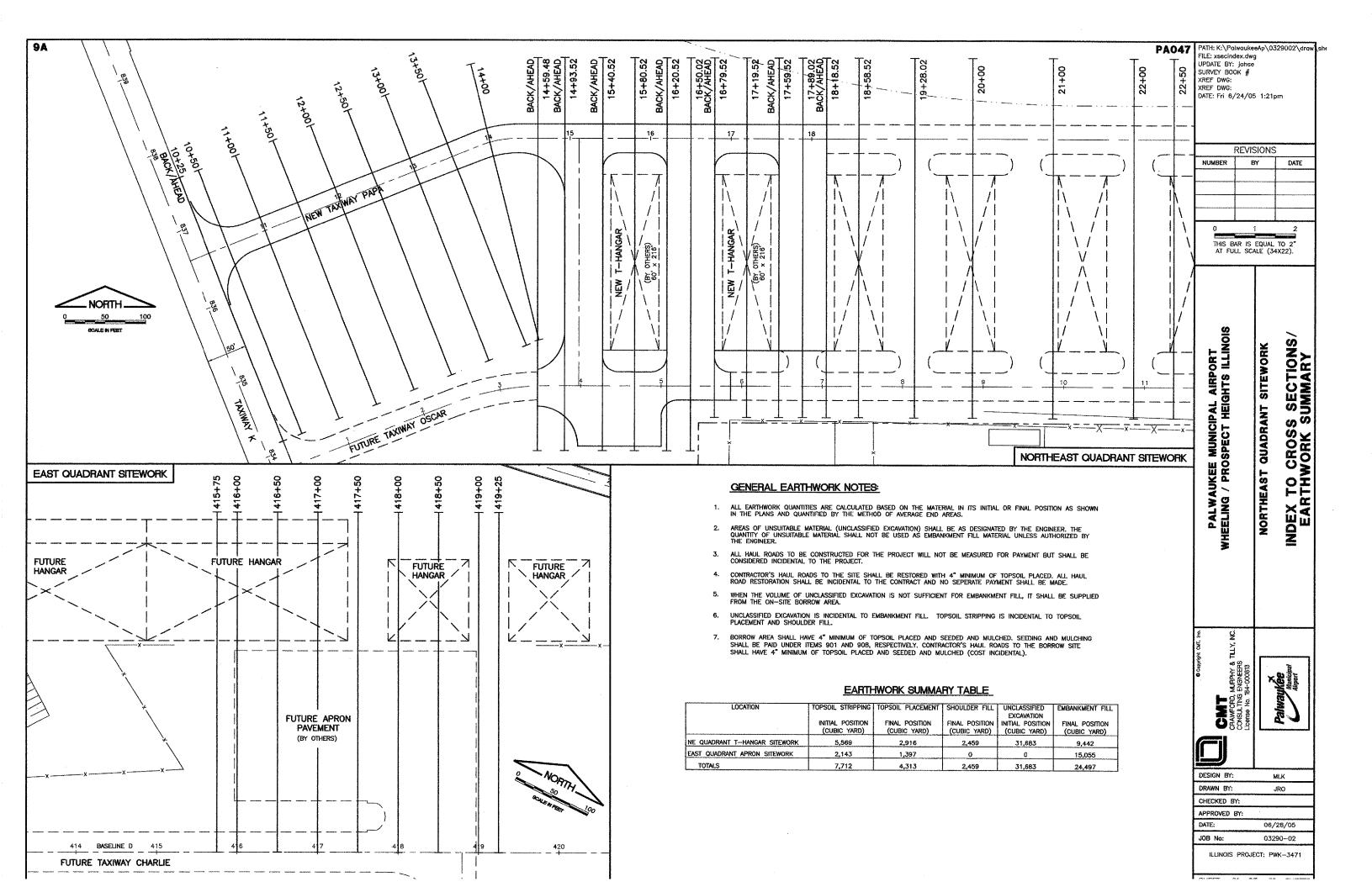
### PROPOSED AIRFIELD SIGN L-858

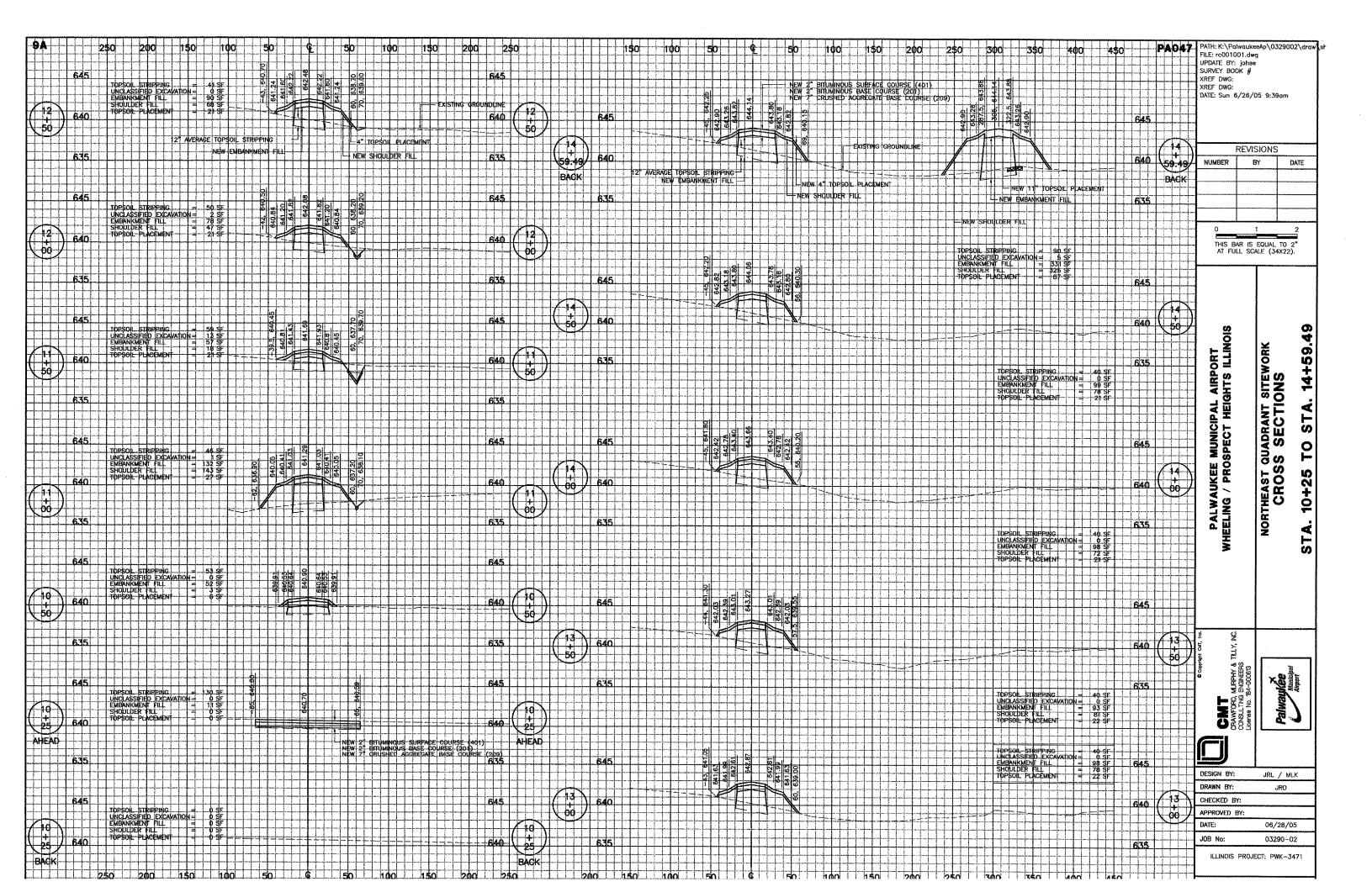
- 1. ALL SIGNS ARE 2-SIDED SIGNS. STYLE 2 AND CLASS 2 AS MANUFACTURED BY SIEMENS OR APPROVED EQUAL.
- 2. TRANSFORMER WATTAGE AS RECOMMENDED BY MANUFACTURER.
- 3. LIGHTED SIGNS SHALL BE BASE MOUNTED ONLY.
- 4. THE NUMBER OF MODULES PER SIGN SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
- CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWING INCLUDING SIGN, COLOR, SIZE AND PROPOSED LEGEND, IN ENOUGH DETAIL AND DETERMINE PROPOSED SPACING AND OTHER INFORMATION REQUIRED BY SPECIAL PROVISIONS. CONTRACTOR TO VERIFY PROPOSED SIGN LOCATIONS AND ORIENTATIONS WITH RESIDENT ENGINEER PRIOR TO INSTALLATION.

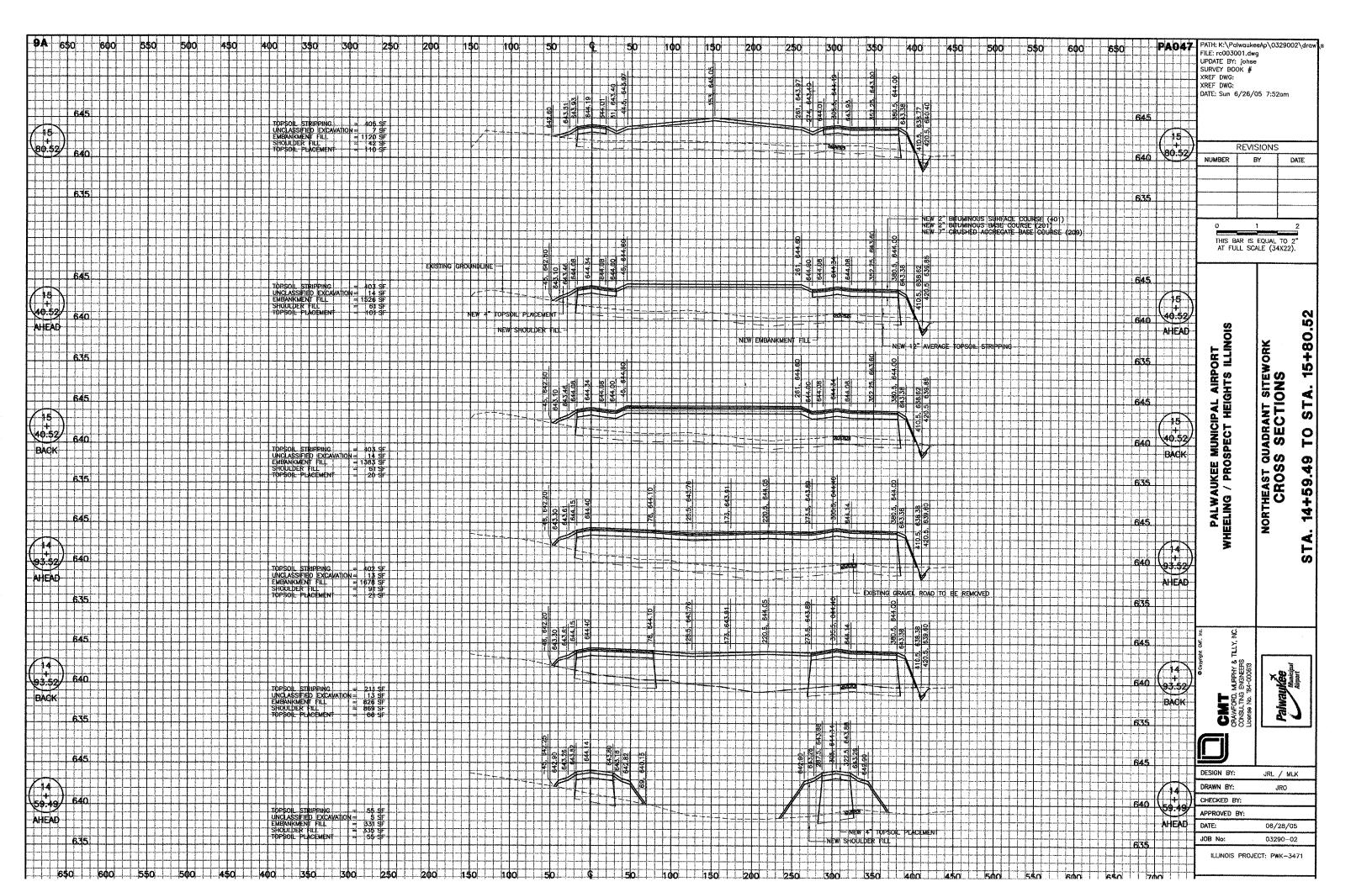
PAO47 K:\PalwoukecAp\0329002\draw\sheets\ LAYOUT: Layout1 UPDATE BY: johse SURVEY BOOK # DATE: Mon 6/27/05 4:47pm XREF DWG: tbcint.dwg REVISIONS NUMBER BY DATE THIS BAR IS EQUAL TO 2 AT FULL SCALE (34X22). Ñ SHEET DETAIL SIT Ü QUADRANT DETAILS LECTRICAL PAVEMENT 3 DESIGN BY: ARM DRAWN BY: JRO CHECKED BY: APPROVED BY: DATE 06/28/05 JOB No:

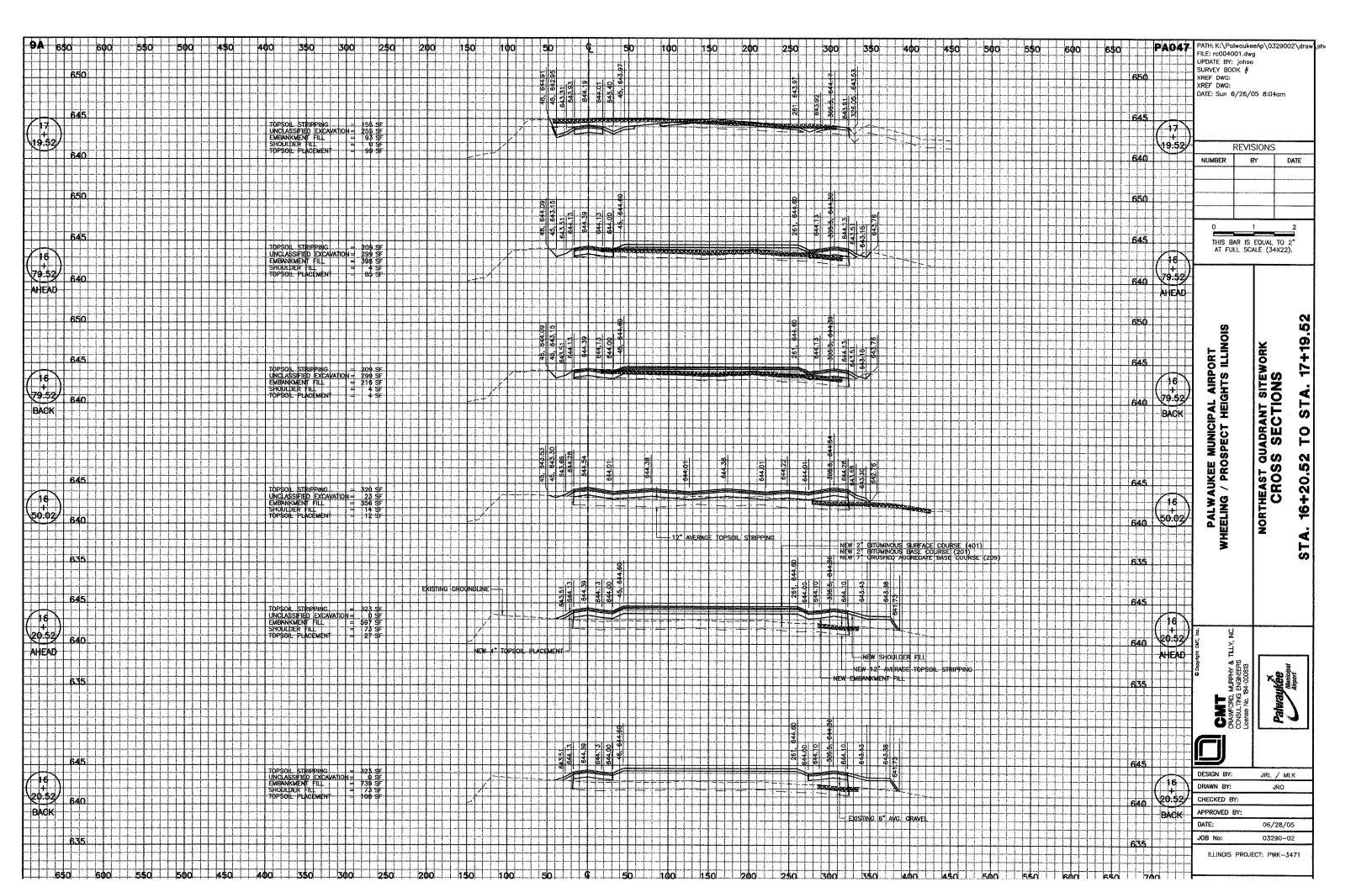
ILLINOIS PROJECT: PWK-3471

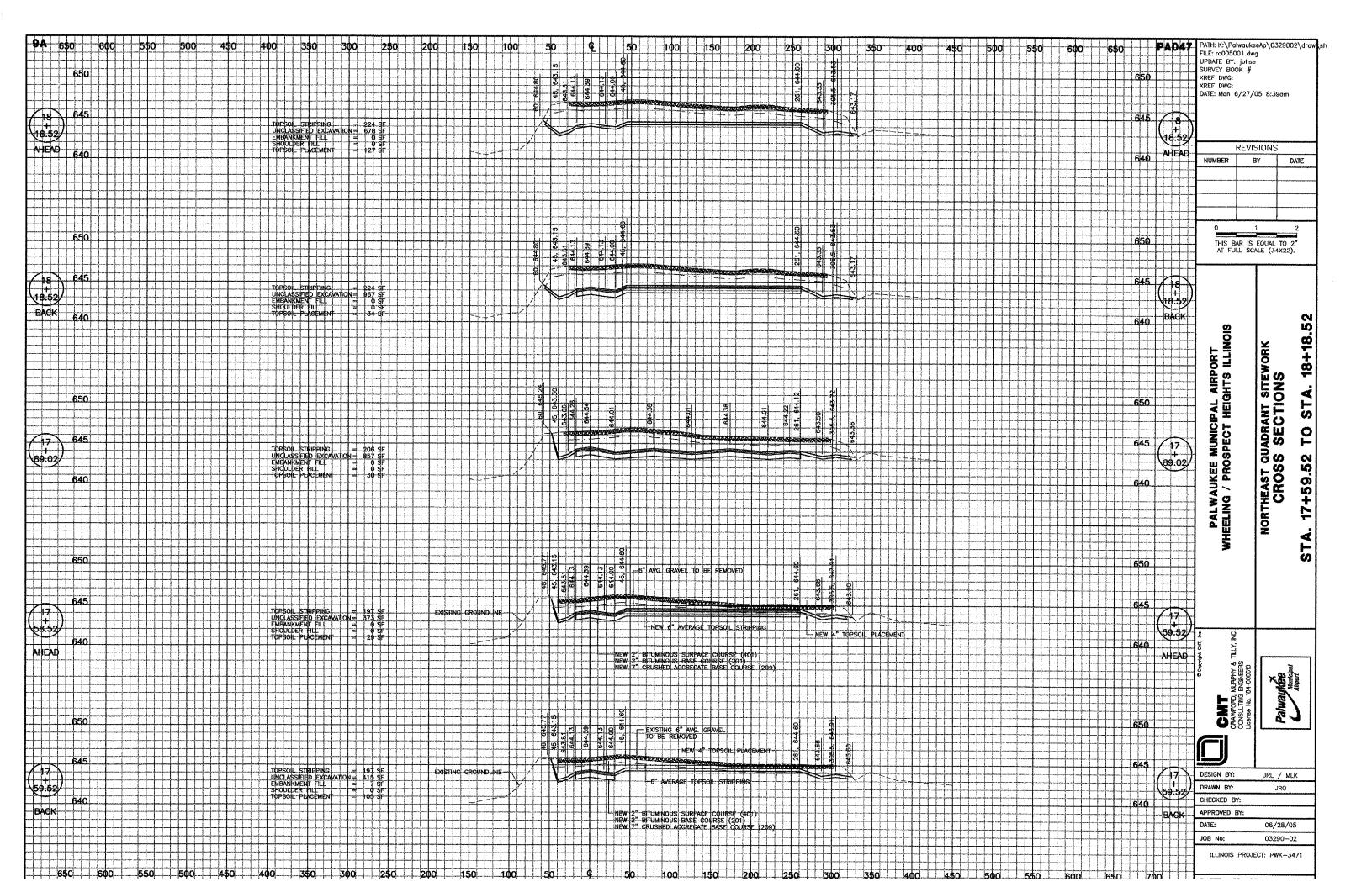


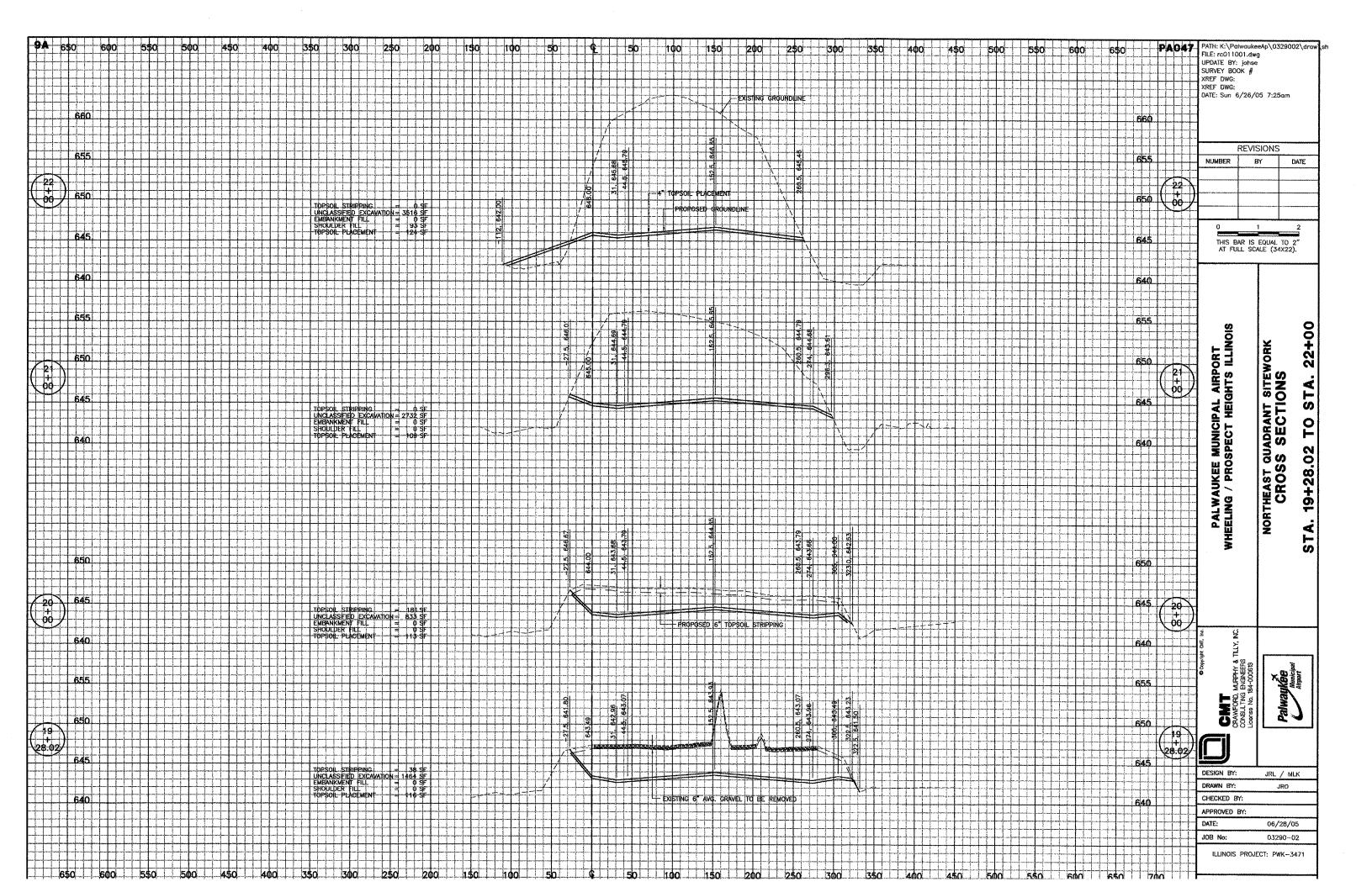


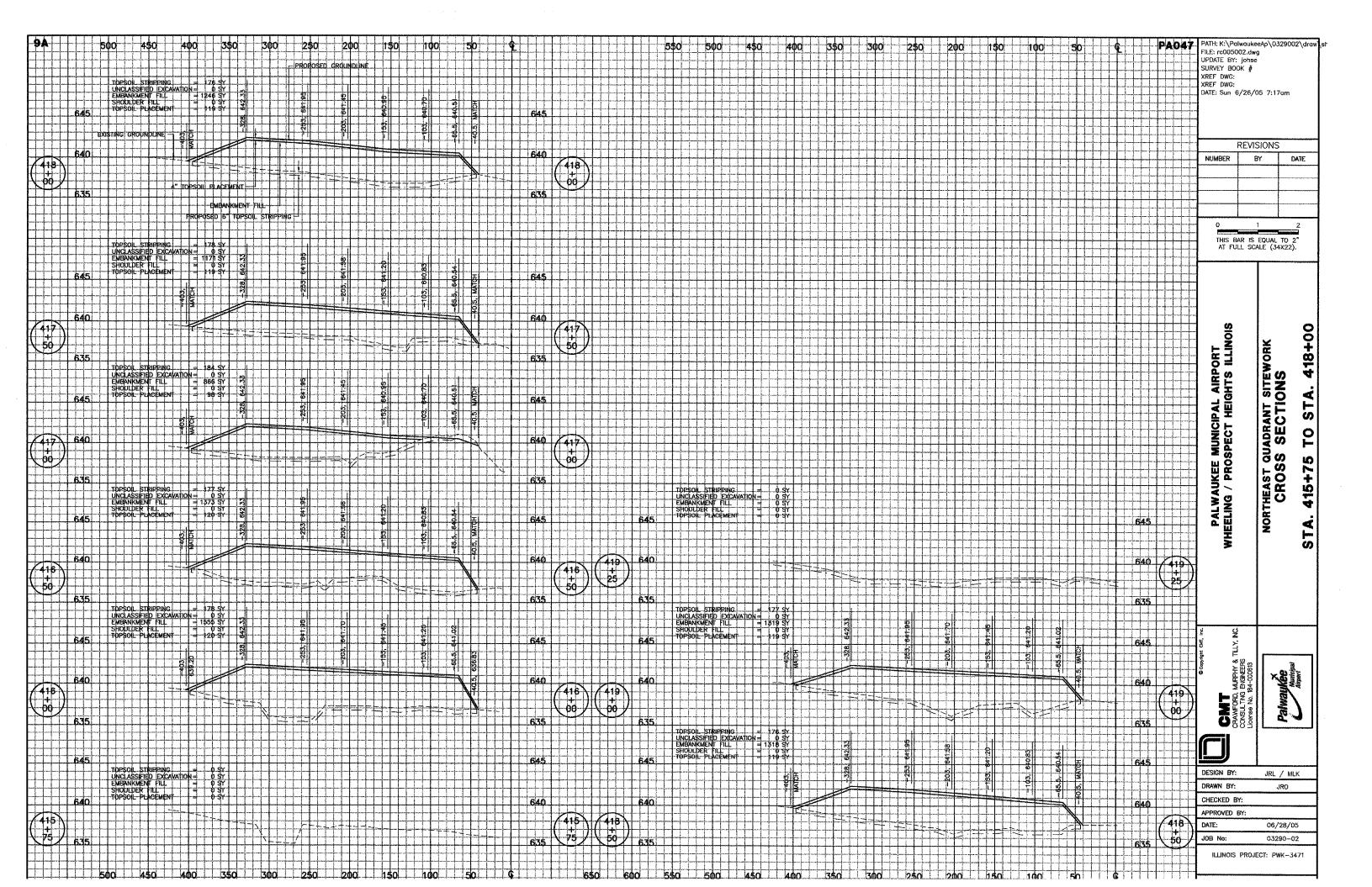


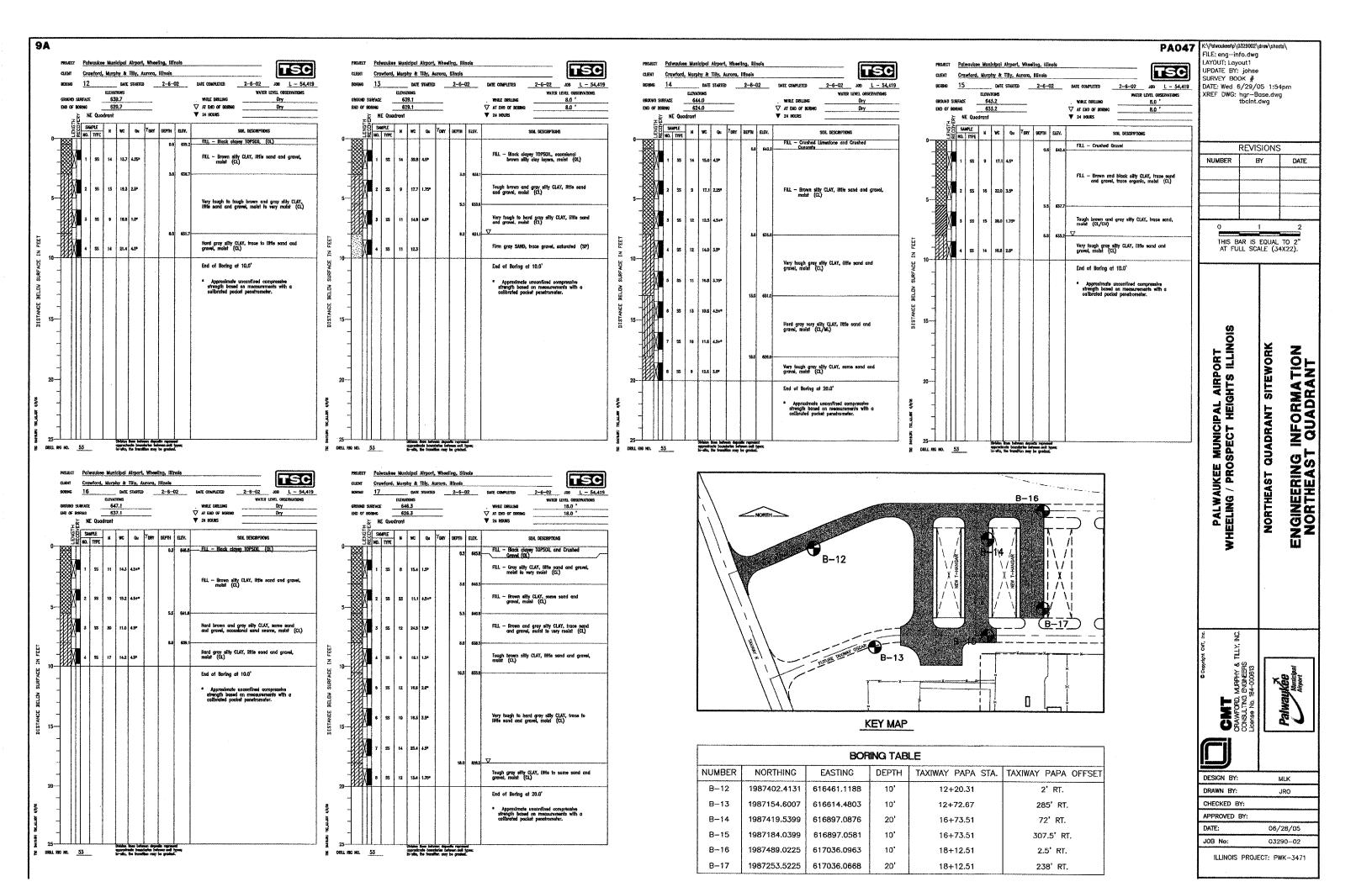


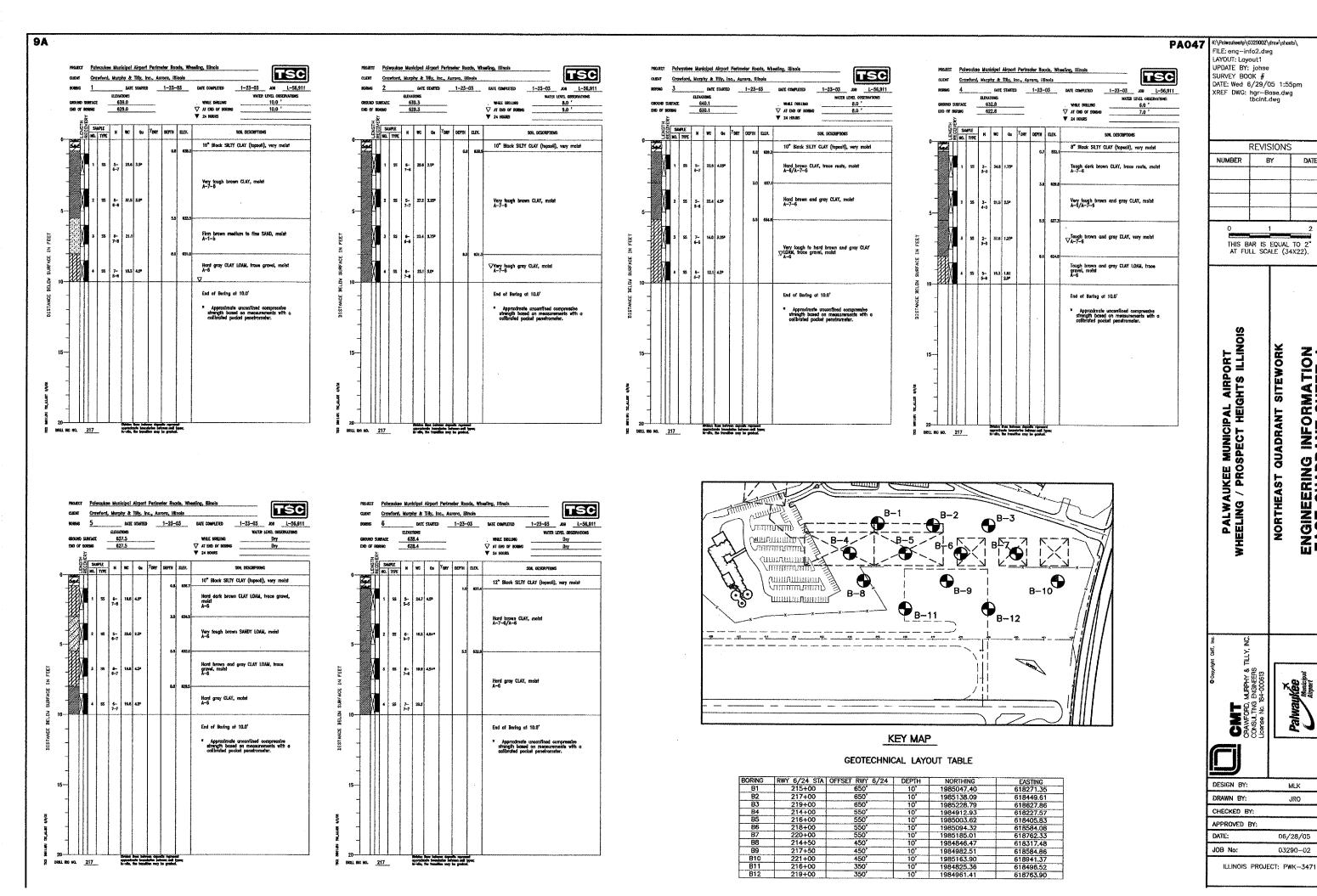












BY

SITEWORK

QUADRANT

NORTHEAST

Patwan

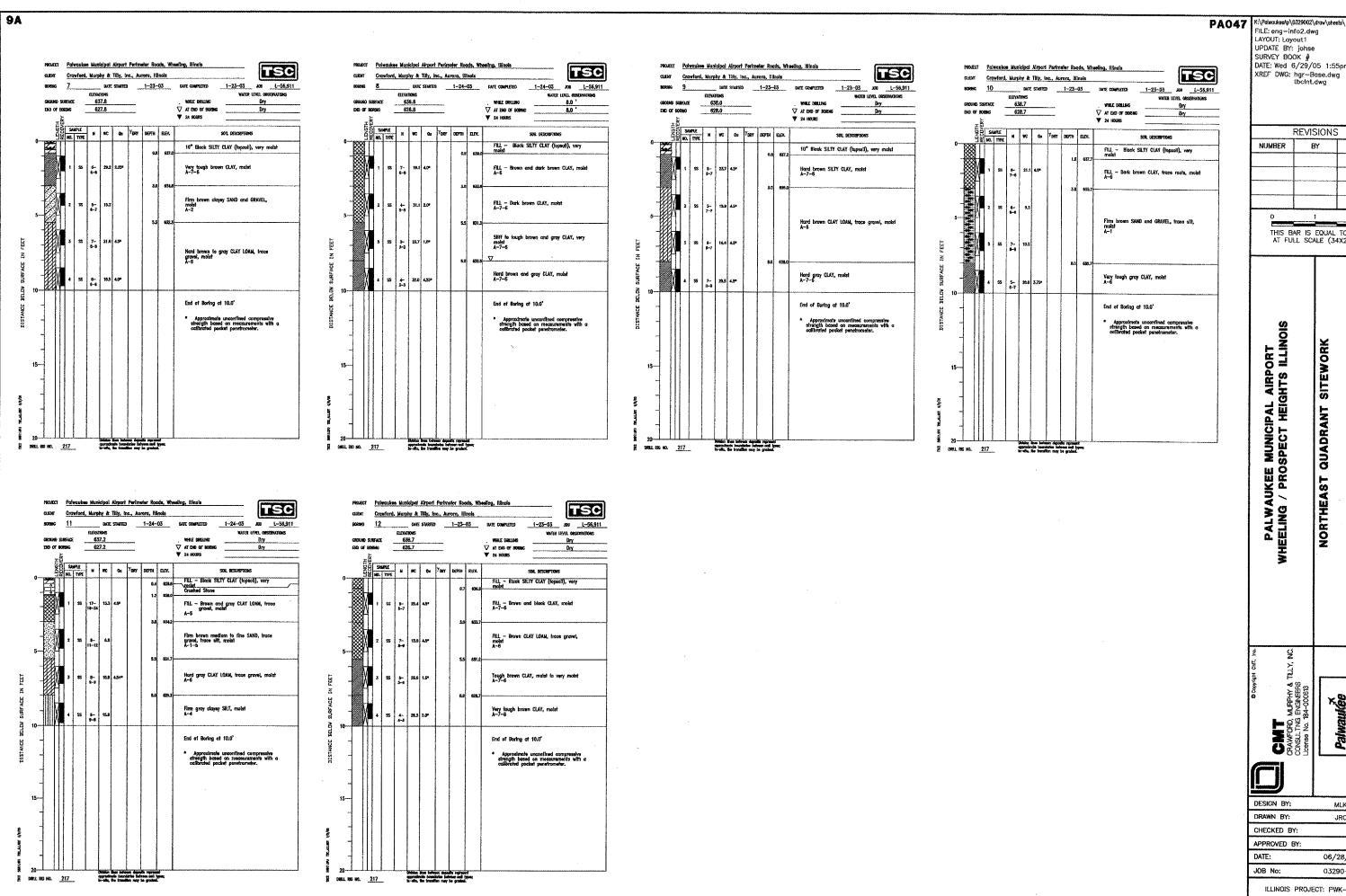
MLK

JRO

06/28/05

03290-02

EAST QUADRANT SHEET 1



FILE: eng-info2.dwg LAYOUT: Layout1 UPDATE BY: johse SURVEY BOOK # DATE: Wed 6/29/05 1:55pm XREF DWG: hgr-Base.dwg tbclnt.dwg REVISIONS NUMBER BY DATE THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22). PALWAUKEE MUNICIPAL AIRPORT WHEELING / PROSPECT HEIGHTS ILLINOIS SITEWORK ENGINEERING INFORMATION EAST QUADRANT SHEET 2 QUADRANT CRAWFORD, DESIGN BY: MLK DRAWN BY: JRO CHECKED BY: APPROVED BY: DATE: 06/28/05 JOB No: 03290-02 ILLINOIS PROJECT: PWK-3471