

ITEM NO. 11A

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NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

6-17-05 LETTING, ITEM 11A

WA055
TOTAL SHEETS = 78

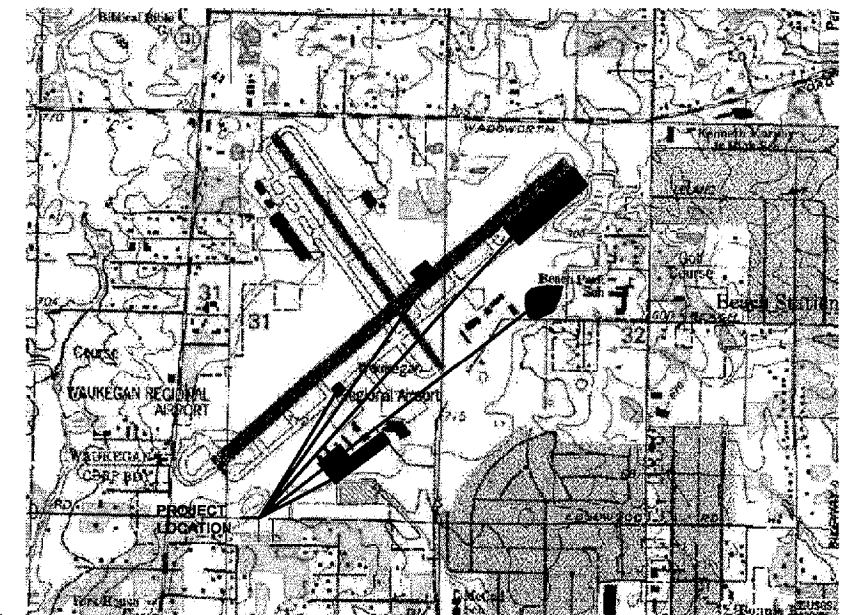
CONSTRUCTION PLANS

REPAIR SELECTED PAVEMENT AREAS,
REHABILITATE HANGAR TAXILANES AND
SERVICE ROAD, AND CONSTRUCT NEW
HANGAR PAVEMENTS

WAUKEGAN REGIONAL AIRPORT
WAUKEGAN PORT DISTRICT
WAUKEGAN, LAKE COUNTY, ILLINOIS

AIP PROJECT NO. 3-17-0105-B30
IDA PROJECT NO. UGN-3499

VICINITY MAP



SHEET NO. 1 OF 78



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Date of Plans

MAY 06, 2005

No.	Drawing Issue Description	Sheets Changed	Date	By

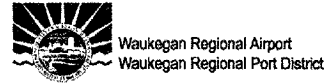
SUMMARY OF QUANTITIES

Item No.	Description	Unit	As Bid				Adjusted Quantity			
			F/S/L	State/Local	Local Only	Total	F/S/L	State/Local	Local Only	Total
AR110504	4-Way Concrete Encased Duct	Linear Foot	0.00	124.00	0.00	124.00				
AR125941	Adjust Stake Mounted Light	Each	0.00	4.00	0.00	4.00				
AR125961	Relocate Stake Mounted Light	Each	0.00	1.00	0.00	1.00				
AR150510	Engineer's Field Office	Lump Sum	1.00	0.00	0.00	1.00				
AR151450	Clearing and Grubbing	Acre	0.00	0.12	0.00	0.12				
AR152410	Unclassified Excavation	Cubic Yard	0.00	5,315.00	0.00	5,315.00				
AR156510	Silt Fence	Linear Foot	0.00	2,511.00	0.00	2,511.00				
AR156513	Separation Fabric	Square Yard	0.00	6,480.00	568.00	7,048.00				
AR162506	Class E Fence 6'	Linear Foot	0.00	358.00	0.00	358.00				
AR162605	Class E Gate-5'	Each	0.00	1.00	0.00	1.00				
AR162728	Electric Gate-28'	Each	0.00	1.00	0.00	1.00				
AR201610	Bituminous Base Course	Ton	38.00	1,715.00	265.00	2,018.00				
AR201620	Bituminous Base Course, Leveling	Ton	0.00	140.00	0.00	140.00				
AR201630	Bituminous Base Test Section	Each	0.00	1.00	0.00	1.00				
AR209610	Crushed Agg. Base Course - 10"	Square Yard	0.00	8,095.00	568.00	8,663.00				
AR401610	Bituminous Surface Course	Ton	38.00	1,725.00	265.00	2,028.00				
AR401630	Bituminous Surface Test Section	Each	0.00	1.00	0.00	1.00				
AR401650	Bituminous Pavement Milling	Square Yard	410.00	1,639.00	516.00	2,565.00				
AR401660	Saw & Seal Bit. Joints	Linear Foot	100.00	1,178.00	327.00	1,605.00				
AR401665	Bituminous Pavement Sawing	Linear Foot	162.00	1,272.00	327.00	1,761.00				
AR401900	Remove Bituminous Pavement	Square Yard	0.00	5,900.00	1,335.00	7,235.00				
AR401910	Remove & Replace Bit. Pavement	Square Yard	1,984.00	0.00	67.00	2,051.00				
AR401916	Rem & Rep Bit Pavement - Type B	Square Yard	0.00	346.00	0.00	346.00				
AR501665	PCC Pavement Sawing	Linear Foot	69.00	79.00	0.00	148.00				
AR501910	Remove & Replace PCC Pavement	Square Yard	10.00	65.00	0.00	75.00				
AR602510	Bituminous Prime Coat	Gallon	0.00	4,535.00	706.00	5,241.00				
AR603510	Bituminous Tack Coat	Gallon	123.00	2,508.00	494.00	3,125.00				
AR605540	Clean & Seal Joints	Linear Foot	13,725.00	0.00	0.00	13,725.00				
AR605541	Clean & Seal Cracks	Linear Foot	600.00	0.00	0.00	600.00				
AR620530	Pavement Marking-Epoxy	Square Foot	3,134.00	2,780.00	243.00	6,157.00				
AR701008	8" PVC Storm Sewer	Linear Foot	0.00	139.00	0.00	139.00				
AR701512	12" RCP, Class IV	Linear Foot	0.00	463.00	0.00	463.00				
AR701515	15" RCP, Class IV	Linear Foot	0.00	237.00	0.00	237.00				
AR701518	18" RCP, Class IV	Linear Foot	0.00	145.00	0.00	145.00				
AR701524	24" RCP, Class IV	Linear Foot	0.00	950.00	0.00	950.00				
AR701900	Remove Pipe	Linear Foot	0.00	41.00	0.00	41.00				
AR705412	Porous Backfill No. 2	Cubic Yard	0.00	226.00	0.00	226.00				
AR705504	4" Perforated Underdrain	Linear Foot	0.00	2,387.00	0.00	2,387.00				
AR705544	4" Non Perforated Underdrain	Linear Foot	0.00	933.00	0.00	933.00				
AR705630	Underdrain Inspection Hole	Each	0.00	4.00	0.00	4.00				
AR705640	Underdrain Cleanout	Each	0.00	8.00	0.00	8.00				
AR751410	Inlet	Each	0.00	3.00	0.00	3.00				
AR751540	Manhole 4'	Each	0.00	7.00	0.00	7.00				
AR751550	Manhole 5'	Each	0.00	6.00	0.00	6.00				
AR751943	Adjust Manhole	Each	0.00	2.00	0.00	2.00				
AR751946	Adjust Catch Basin	Each	0.00	2.00	0.00	2.00				
AR752412	Precast Reinforced Conc. FES 12"	Each	0.00	1.00	0.00	1.00				
AR752512	Grating for Conc. FES 12"	Each	0.00	1.00	0.00	1.00				
AR800203	Traffic Barrier Terminal	Each	0.00	1.00	0.00	1.00				
AR800330	Traffic Control	Lump Sum	0.00	1.00	0.00	1.00				
AR800901	Bituminous Pressure Relief Joint	Each	1.00	0.00	0.00	1.00				
AR800915	Airfield Cable in Unit Duct	Linear Foot	0.00	324.00	0.00	324.00				
AR800927	Granular Drainage Subbase - 4"	Square Yard	0.00	6,480.00	568.00	7,048.00				
AR800932	Runway Closure Marker-Set	Each	1.00	0.00	0.00	1.00				
AR800937	Conservation Cover	Acre	0.00	1.60	0.00	1.60				
AR800972	Bituminous Sand Mix - 2"	Square Yard	0.00	0.00	55.00	55.00				
AR800973	Crack Control Material	Linear Foot	0.00	0.00	122.00	122.00				
AR800996	Crack Control Material - Type 2	Square Yard	0.00	2,540.00	0.00	2,540.00				
AR901510	Seeding	Acre	0.00	2.05	0.00	2.05				
AR904510	Sodding	Square Yard	0.00	0.00	11.00	11.00				
AR905510	Topsoiling (From On Site)	Cubic Yard	0.00	430.00	0.00	430.00				
AR905520	Topsoiling (From Off Site)	Cubic Yard	0.00	512.00	2.00	514.00				
AR908510	Mulching	Acre	0.00	2.05	0.00	2.05				
AR910230	Handicapped Sign	Each	0.00	1.00	0.00	1.00				
AR910400	Guard Rail	Linear Foot	0.00	177.00	0.00	177.00				
AR910975	Relocate Roadway Sign	Each	0.00	3.00	0.00	3.00				



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DESIGN-BUILD CONSTRUCTION OF 8-UNIT T-HANGAR BUILDING

No.	Drawing Issue Description	Date	By

Date: MONTH 00, 2005
Sheet Title:

SUMMARY OF QUANTITIES

B31-04TXVD
Project Number
JLM 05/06/05
Layout By Date
JLM 05/10/05
Designed By Date
PMM/TMM 00/00/05
Reviewed By Date
SMK DSY --
Drawn By Sheet No.

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NOTES

1. WORK MUST BE CONTROLLED AND STAGED. SEE CONSTRUCTION STAGING PLANS FOR EACH SECTION.
2. MAXIMUM HEIGHT OF CONTRACTOR'S EQUIPMENT IS 25 FEET EXCEPT BY PRIOR APPROVAL OF THE ENGINEER (SEE SPECIAL PROVISIONS).
3. FOR BARRICADE AND LATHING AND WARNING TAPE LOCATIONS, SEE CONSTRUCTION STAGING PLANS.
4. FOR ALLOWABLE CONSTRUCTION LIMITS DURING INDIVIDUAL STAGES, SEE CONSTRUCTION STAGING PLANS.
5. TRAFFIC TO BE MAINTAINED ON ALL AIRPORT ROADWAYS AT ALL TIMES EXCEPT FOR PORTIONS OF ROADWAY WITHIN THE CONTRACTOR'S LIMIT LINE.
6. RUNWAY, TAXIWAY, APRON AND ROAD CLOSURES ARE TO BE COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION STAGING PLANS.



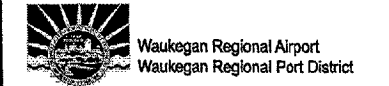
PROJECT IS LOCATED IN
E 1/2 OF SECTION 31
W 1/2 OF SECTION 32
BENTON TOWNSHIP, LAKE COUNTY

WA055



HANSON PROFESSIONAL SERVICES INC.

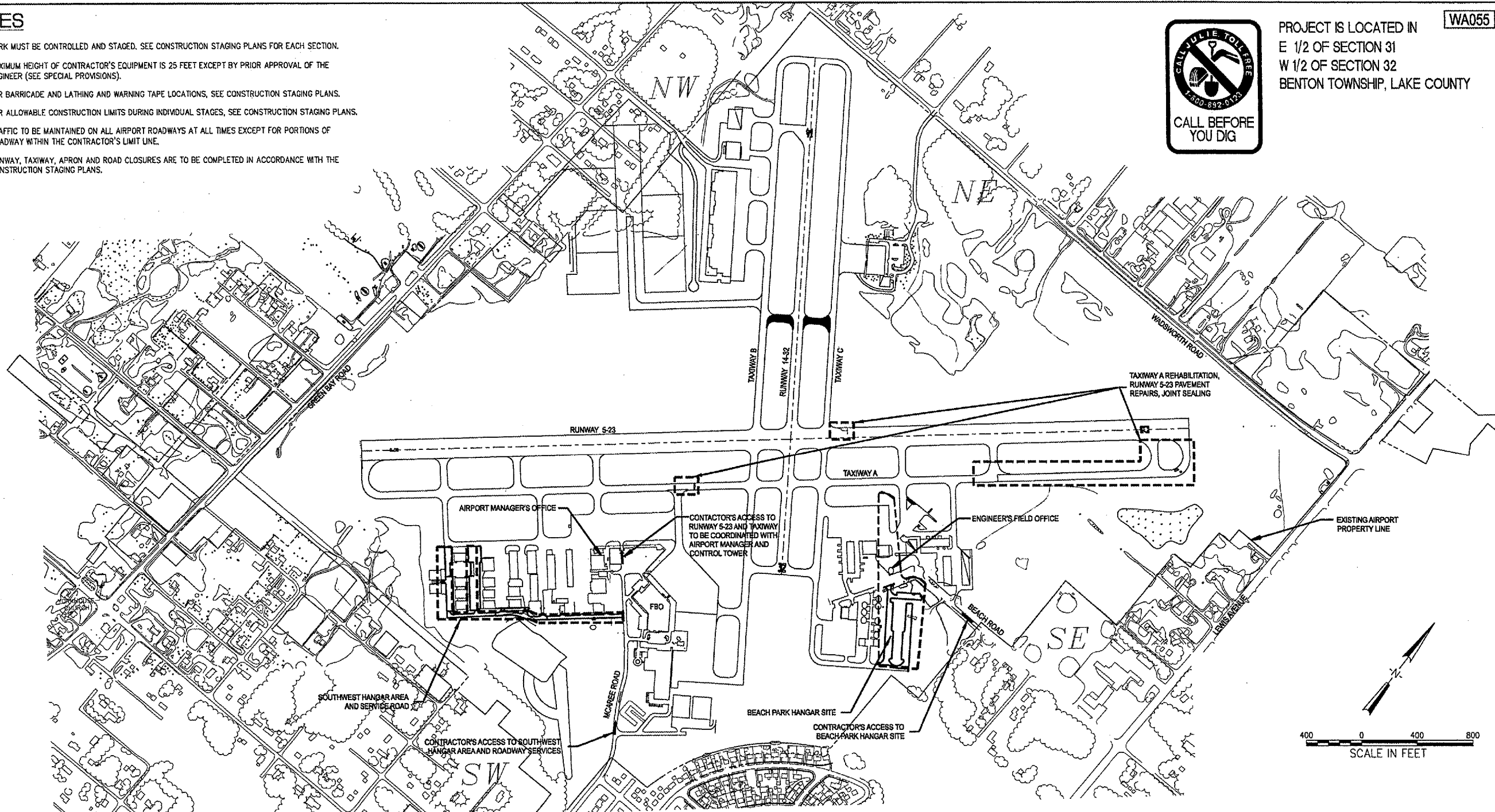
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449



GENERAL NOTES

PROJECT DESCRIPTION

THIS PROJECT IS TO REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD AND CONSTRUCT NEW HANGAR PAVEMENTS AT WAUKEGAN REGIONAL AIRPORT, INCLUDING, AMONG OTHER INCIDENTAL WORK, THE FOLLOWING ITEMS:

1. PAVEMENT REMOVAL AND REPLACEMENT OF SELECTED AREAS OF TAXIWAY A AND RUNWAY 5-23.
2. CRACK SEALING ON A 1,600 LINEAR FOOT SEGMENT OF TAXIWAY A.
3. CONSTRUCTION OF PAVEMENTS SERVING A NEW EIGHT-UNIT "T" HANGAR BUILDING, INCLUDING GRADING, DRAINAGE IMPROVEMENTS, PAVEMENT CONSTRUCTION, FENCING, AND PAVEMENT MARKINGS. CONSTRUCTION OF A PARKING AREA OUTSIDE THE AIRPORT OPERATIONS AREA FOR HANGAR AREA USERS IS ALSO INCLUDED.
4. BITUMINOUS REHABILITATION AND REPAIR OF THE SOUTHWEST SERVICE DRIVE.
5. BITUMINOUS OVERLAY, DRAINAGE IMPROVEMENTS, AND CONSTRUCTION ON TWO TAXILANES IN THE SOUTHWEST HANGAR AREA.

PROTECTION OF EXISTING AIRPORT FACILITIES

THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND LIGHTING EQUIPMENT; DRIVEWAY AND ROAD PAVEMENT AND SHOULDERS; RUNWAY, TAXIWAY AND APRON PAVEMENTS AND SHOULDERS; RUNWAY, TAXIWAY AND AIRPORT LIGHTING EQUIPMENT; AND SEEDED AND TURFED AREAS THAT ARE UTILIZED IN OR AFFECTED BY THE CONTRACTOR'S ACTIVITIES. ITEMS DAMAGED BY THE CONTRACTOR ARE TO BE REPAIRED AT CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE AIRPORT OWNER AND THE RESIDENT ENGINEER.

IN ADDITION WHEN CONDITIONS DICTATE OR AS DETERMINED BY THE AIRPORT OWNER OR THE RESIDENT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO USE A PICK-UP TYPE SWEEPER IN ALL ACTIVE CONSTRUCTION AIRFIELD PAVEMENT AREAS AND ROADS USED AS HAUL ROUTES. THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. THE COST OF SWEEPING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CONTRACTOR'S ACCESS AND TEMPORARY FACILITIES

CONTRACTOR'S ACCESS TO THE PROJECT WHEN ON AIRPORT PROPERTY IS SHOWN ON THE STAGING PLANS. CONTRACTOR'S ACCESS TO THE AIRPORT ITSELF IS TO BE PROVIDED BY PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR IS TO SECURE ALL NECESSARY PERMITS FOR THE USE OF ANY PUBLIC RIGHTS-OF-WAY AND IS TO MAINTAIN TRAFFIC ON THESE PUBLIC ROADS AT ALL TIMES, WITH THE COSTS OF PERMITTING, CLEANING AND REPAIRING OF PAVEMENT DAMAGED BY CONTRACTOR'S ACTIVITIES INCIDENTAL TO THE CONTRACT. USE OF AND REPAIRS TO ANY PUBLIC FACILITIES ARE TO BE COMPLETED TO THE SATISFACTION OF THE FACILITY'S OWNER.

THE CONTRACTOR IS TO PROVIDE TEMPORARY CONSTRUCTION ROADS WITHIN THE CONSTRUCTION LIMIT LINES AS MAY BE REQUIRED BY HIS ACTIVITIES AT HIS OWN EXPENSE AND DISCRETION, SUBJECT TO THE APPROVAL OF THE RESIDENT ENGINEER. HEAVY VEHICLES SHALL NOT CROSS EXISTING OR NEW PAVEMENT SURFACES EXCEPT AS APPROVED BY THE AIRPORT OWNER AND THE RESIDENT ENGINEER. ANY DAMAGE TO PAVEMENTS THAT MAY OCCUR BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE AIRPORT OWNER AND THE RESIDENT ENGINEER.

THE CONTRACTOR IS TO PROVIDE CONTRACTOR'S EQUIPMENT STORAGE AND PARKING AREAS AT THE LOCATIONS SHOWN ON THE STAGING PLANS. THE CONTRACTOR WILL BE UTILIZING AN EXISTING GATED ENTRANCE ON THE AIRPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE CONSTRUCTION ENTRANCE AND ACCESS, ROADS AND THE STORAGE AREA DURING CONSTRUCTION AND TO RESTORE THE AREAS AT PROJECT COMPLETION TO CONDITIONS SUITABLE TO THE AIRPORT OWNER AND THE RESIDENT ENGINEER. AT THE AIRPORT OWNER'S DISCRETION, THE TEMPORARY FACILITIES MAY REMAIN, BUT THEY MUST BE LEFT IN CONDITIONS SUITABLE TO THE AIRPORT OWNER. THE COST OF PROVIDING, MAINTAINING AND RESTORING THE TEMPORARY FACILITIES IS INCIDENTAL TO THE CONTRACT.

RESPONSIBILITY FOR EXISTING UTILITIES

THE LOCATION, SIZE AND/OR TYPE OF MATERIAL OF EXISTING UNDERGROUND OR OVERHEAD UTILITIES AS MAY BE INDICATED ON THESE CONSTRUCTION PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE PROJECT ENGINEER HAVE INDEPENDENTLY VERIFIED THIS INFORMATION AND NEITHER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE INFORMATION AND GIVE NO EXPRESSED OR IMPLIED GUARANTEE THAT ANY CONDITIONS INDICATED ARE REPRESENTATIVE OF ACTUAL CONDITIONS TO BE ENCOUNTERED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND AGENCIES OF HIS CONSTRUCTION PLANS AND SHALL OBTAIN FROM EACH PARTY DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF ALL UTILITIES AND THE WORKING SCHEDULE OF ANY REMOVALS OR ADJUSTMENTS REQUIRED OF THE UTILITY. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (PHONE 800-892-0123) TO ASSIST IN THE ABOVE.

THE CONTRACTOR SHALL PROTECT ANY FACILITIES TO THE SATISFACTION OF THE UTILITY OR OWNING-AGENCY WITH THE COST OF ANY REQUIRED PROTECTION TO BE INCIDENTAL TO THE CONTRACT. IN THE EVENT A UTILITY LINE OR SERVICE IS UNEXPECTEDLY ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESIDENT ENGINEER AND THE UTILITY COMPANY OR AGENCY OF JURISDICTION. ANY SUCH UTILITIES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO SERVICE AT ONCE.

EXISTING BENCHMARK

BENCHMARK IS AS FOLLOWS:

ELEVATION 721.34
STEEL ROD SET IN 6" LOGO CAP
LOCATION: 36.5' EAST OF RT. 131 (GREEN BAY RD.), 230' SOUTH OF SADDARD ST., 101' NORTH OF CENTER ST.
COORDINATES: N 1101107324.042 E 202094502.438

No.	Drawing Issue Description	Date	By

Date: **MAY 06, 2005**

SITE PLAN AND GENERAL NOTES

631-04TXD	Project Number
DSY	03/11/05
Layout By	Date
RPH	03/11/05
Designed By	Date
RMH/VTMM	04/07/05
Reviewed By	Date
DSY	
Drawn By	Sheet No.

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CONSTRUCTION AND SAFETY NOTES

SEQUENCE OF CONSTRUCTION

TO MINIMIZE DISRUPTIONS TO AIRPORT OPERATIONS, CONSTRUCTION OPERATIONS MUST BE CONTROLLED THROUGHOUT THE PROJECT'S DURATION AND WORK MUST BE COMPLETED EXPEDITIOUSLY. THE CONTRACTOR IS TO EITHER FOLLOW THE CONSTRUCTION STAGING PLANS PROVIDED OR PREPARE AND FOLLOW AN ALTERNATIVE STAGING PLAN THAT MEETS PLAN REQUIREMENTS. THE ALTERNATE STAGING PLAN MUST BE SATISFACTORY TO THE PROJECT ENGINEER AND THE AIRPORT OWNER. THE CONTRACTOR SHALL EXPEDITE WORK AT THOSE STAGES OR PORTIONS OF STAGES WHEN ACTIVE RUNWAYS, TAXIWAYS, APRONS, ROADWAYS OR PARKING LOTS MUST BE CLOSED OR REDUCED IN SIZE TO MINIMIZE THE LENGTH OF TIME THAT AIRPORT OPERATIONS ARE RESTRICTED.

LATHING AND WARNING TAPE

THE PROJECT WILL REQUIRE THE PLACEMENT OF LATHING AND WARNING TAPE TO DELINEATE THE CONSTRUCTION AREA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE, PLACE AND MAINTAIN LATHING AND WARNING TAPE AS SHOWN ON THE CONSTRUCTION STAGING PLANS, AND DETAIL A, THIS SHEET, AND AS DIRECTED BY THE RESIDENT ENGINEER AND THE AIRPORT OWNER. THE CONTRACTOR WILL FURNISH, PLACE, MAINTAIN AND RELOCATE THE LATHING AND WARNING TAPE AS REQUIRED. THE COST OF THESE ITEMS, AND THEIR MAINTENANCE, IS TO BE INCIDENTAL TO THE CONTRACT.

RUNWAY CLOSURE

THE PROJECT WILL REQUIRE THE PLACEMENT OF RUNWAY CLOSURE MARKINGS, SEE STAGING PLANS. TO MINIMIZE DISRUPTION TO AIRCRAFT OPERATIONS ASSOCIATED WITH THE RUNWAY CLOSURE, CONSTRUCTION WORK MUST BE COMPLETED EXPEDITIOUSLY. RUNWAY CLOSINGS SHALL ONLY BE PERMITTED BY PRIOR AUTHORIZATION OF THE RESIDENT ENGINEER AND THE AIRPORT OWNER.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE, INSTALL AND MAINTAIN RUNWAY CLOSURE MARKERS AT THE LOCATIONS SHOWN IN THE STAGING PLAN, SEE DETAIL C, THIS SHEET, AND AS DIRECTED BY THE RESIDENT ENGINEER AND AIRPORT OWNER. THE COST OF FURNISHING, PLACING AND RELOCATING THESE ITEMS, AND THEIR MAINTENANCE, IS TO BE INCLUDED IN ITEM AR800932.

THE AIRPORT OWNER WILL DE-ENERGIZE ASSOCIATED AIRFIELD LIGHTING, NAVAID AND CONTROL CIRCUITS WHEN THE RUNWAY IS CLOSED.

TEMPORARY BARRICADES ON AIRFIELD

THE PROJECT WILL ALSO REQUIRE THE OCCASIONAL, TEMPORARY CLOSING OF SEGMENTS OF ACTIVE TAXIWAYS AND APRONS. AIRFIELD BARRICADES WILL BE REQUIRED FOR ALL TAXIWAY AND APRON CLOSURES. TO MINIMIZE DISRUPTION TO AIRCRAFT OPERATIONS ASSOCIATED WITH THESE REQUIREMENTS, CONSTRUCTION WORK MUST BE COMPLETED EXPEDITIOUSLY.

OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIAL AT THE CONSTRUCTION SITE SHALL ALSO BE DELINEATED WITH THE USE OF BARRICADES DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, PLACE AND MAINTAIN BARRICADES AS SHOWN IN THE STAGING PLAN, AND DETAIL B, THIS SHEET, AND AS DIRECTED BY THE RESIDENT ENGINEER AND AIRPORT OWNER. THE COST OF THESE ITEMS, AND THEIR MAINTENANCE, IS TO BE INCIDENTAL TO THE CONTRACT.

AIRFIELD OPERATIONAL SAFETY DURING CONSTRUCTION

ALL CONSTRUCTION TRAFFIC AND PERSONNEL SHALL REMAIN WITHIN THE CONSTRUCTION LIMIT LINE SHOWN ON THE STAGING PLAN FOR THE STAGE CURRENTLY UNDER CONSTRUCTION. CONTRACTOR'S PERSONNEL AND EQUIPMENT MUST REMAIN AT LEAST 200 FEET FROM THE CENTERLINE OF ACTIVE RUNWAYS, 57.5 FEET FROM THE CENTERLINE OF ACTIVE TAXILANES, 65.5 FEET FROM THE CENTERLINE OF ACTIVE TAXIWAYS, AND 10 FEET FROM THE EDGE OF ACTIVE APRONS. CONTRACTOR'S ACTIVITIES IF REQUIRED AT RUNWAY ENDS MAY NOT PENETRATE THE RUNWAY OBJECT FREE AREA OR THE PART 77 SURFACES.

WHEN IT IS NECESSARY FOR CONSTRUCTION VEHICLES TO OPERATE ON OR WITHIN THESE LIMITS, THE RUNWAY, TAXIWAYS, TAXILANE OR APRON MUST BE CLOSED. THE CONTRACTOR WILL PROVIDE POSITIVE CONTROL OF CONSTRUCTION VEHICLES USING RADIO-EQUIPPED FLAGGERS. ALL CONTRACTOR'S EQUIPMENT USED IN ACTIVE AIRPORT OPERATIONS AREAS (AOA) SHALL BE EQUIPPED WITH A FAA-STANDARD FLAG, AS REFERENCED IN FAA AC 150/5370-2, CURRENT ISSUE. ALL WORK WITHIN THE AOA SHALL BE COORDINATED WITH THE AIRPORT MANAGER AND CONTROL TOWER. AIRCRAFT SHALL HAVE THE RIGHT-OF-WAY. CONSTRUCTION VEHICLES SHALL NOT CROSS AN ACTIVE RUNWAY. THE COST OF ALL TRAFFIC CONTROL, BOTH WITHIN AND OUTSIDE OF AIRPORT OPERATIONS AREAS, IS TO BE INCIDENTAL TO THE CONTRACT.

WHEN NOT IN USE AND DURING NONWORKING HOURS, CONTRACTOR'S EQUIPMENT SHALL BE PARKED WITHIN THE CONTRACTOR'S EQUIPMENT STORAGE AND PARKING AREAS. THE EQUIPMENT STORAGE AND PARKING AREAS ARE TO BE LOCATED AS SHOWN ON THE STAGING PLAN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION ENTRANCE IN GOOD CONDITION. THE COST OF MAINTAINING THE CONSTRUCTION ENTRANCE IS TO BE INCIDENTAL TO THE CONTRACT.

AT NO TIME SHALL THE CONTRACTOR OPERATE OR PARK EQUIPMENT SO AS TO OBSTRUCT AN ACTIVE RUNWAY APPROACH SURFACE.

BEFORE REOPENING TEMPORARILY CLOSED RUNWAYS, TAXIWAYS OR ROADWAYS, THE CONTRACTOR SHALL INSPECT AND CLEAN, AS NECESSARY, THE PAVEMENT TO ASSURE THAT NO MATERIALS OR OBJECTS THAT MAY DAMAGE AIRCRAFT OR VEHICLES REMAIN. ANY REQUIRED CLEANING SHALL BE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT OWNER AND IS INCIDENTAL TO THE CONTRACT.

VEHICLE SAFETY

TRAFFIC CONTROL WILL BE REQUIRED WHEN CONTRACTOR ACTIVITIES ARE WITHIN 15 FEET OF AN ACTIVE AIRPORT ROADWAY OR AUTO PARKING AREA. THE TRAFFIC CONTROL SHALL BE AS SHOWN ON THE PLANS AND SPECIFIED IN THE SPECIAL PROVISIONS. COST OF ALL VEHICLE TRAFFIC CONTROL SHALL BE INCIDENTAL TO AR800330.

NOTIFICATIONS BY CONTRACTOR

THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT OWNER 7 DAYS IN ADVANCE OF THE CONTRACTOR'S CLOSING OF ACTIVE RUNWAYS, TAXIWAYS AND APRONS. THE DATE, TIME AND SCHEDULED DURATION OF THE CLOSING MUST BE APPROVED BY THE RESIDENT ENGINEER, THE AIRPORT OWNER AND THE CONTROL TOWER. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT OWNER 72 HOURS IN ADVANCE OF THE CONTRACTOR'S CLOSING OF OTHER ACTIVE ROADWAYS, AIRFIELD OR ROADWAY LIGHTING CIRCUITS, OR OTHER AIRPORT FACILITIES. THE CONTROL TOWER MUST BE NOTIFIED AS WELL FOR ANY CLOSINGS THAT AFFECT THE CONTROLLED PORTIONS OF THE AIRFIELD.

CONTRACTOR'S USE OF SITE

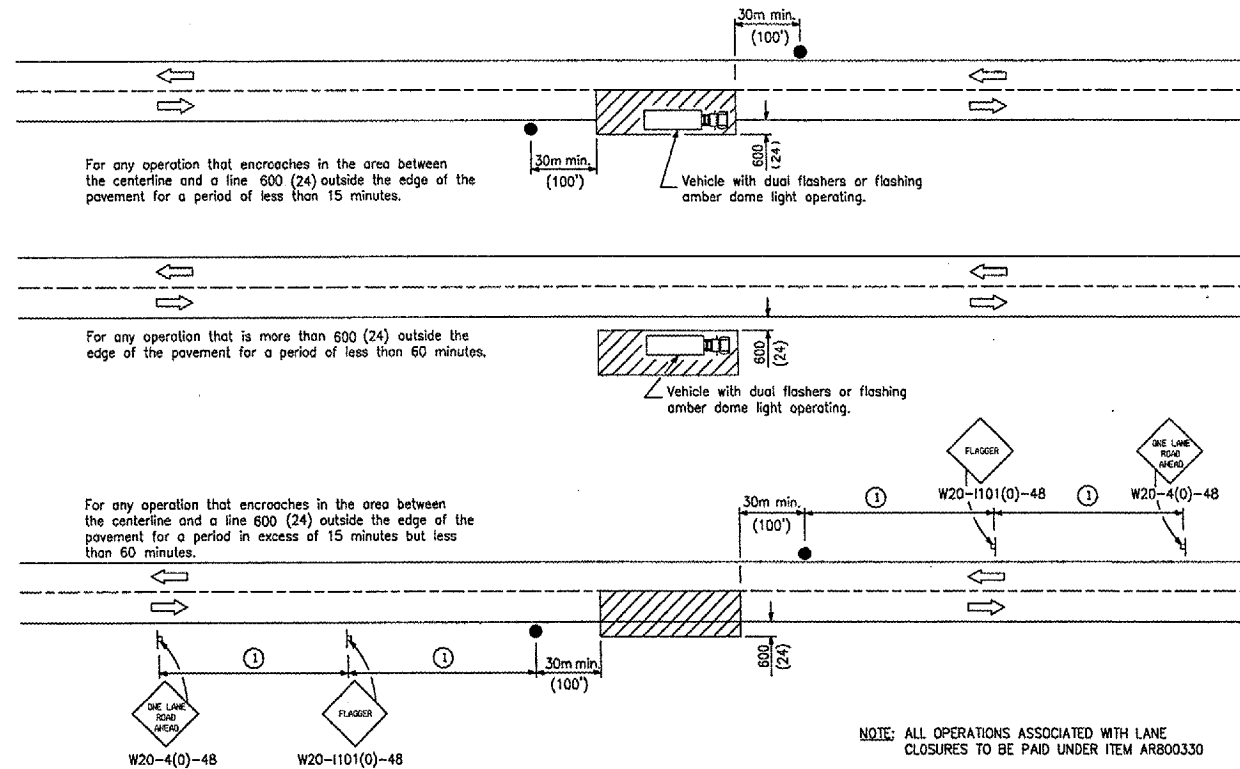
THE CONTRACTOR SHALL NOT OPERATE WITHIN, ENCRDACH UPON OR OBSTRUCT AIRPORT OPERATIONAL AREAS, INCLUDING ACTIVE RUNWAY, TAXIWAYS AND APRON SAFETY AREAS, OBJECT AND OBSTACLE FREE ZONES, RUNWAY PROTECTION ZONES AND AIRPORT IMAGINARY SURFACES AS DEFINED IN FEDERAL AVIATION REGULATIONS (FAR) PART 77, "OBJECTS AFFECTING NAVIGABLE AIRSPACE".

UTILITY OUTAGES AND SHUTDOWNS

THE CONTRACTOR SHALL PROVIDE 72 HOURS PRIOR NOTICE OF ANY OUTAGES OR SHUTDOWNS TO THE OWNER AND THE AGENCY OWNING THE AFFECTED UTILITY. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY CONNECTIONS OR OTHER MEASURES AS MAY BE REQUIRED TO MAINTAIN SERVICE AS MAY BE REQUIRED BY THE OWNING AGENCY AT NO COST TO THE OWNER.

AVAILABLE SOIL DATA

DETAILED SOIL TEST MATERIAL FOR THE BEACH PARK HANGAR SITE IS AVAILABLE UPON REQUEST. PAVEMENT CORE INFORMATION IS AVAILABLE FOR THE RUNWAY PAVEMENTS AND RESURFACING AREAS UPON REQUEST. BORING AND CORING INFORMATION AND INFORMATION ON SOIL TESTS IS MADE AVAILABLE SOLELY FOR THE CONVENIENCE OF THE BIDDER AND/OR CONTRACTOR. NEITHER THE OWNER NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE AVAILABLE INFORMATION AND THERE IS NO EXPRESSED OR IMPLIED GUARANTEE THAT THE CONDITIONS DESCRIBED IN THE SOIL TEST DATA ARE REPRESENTATIVE OF ALL CONDITIONS THAT MAY BE ENCOUNTERED.



Posted Speed	Sign Spacing
55	164 m (500')
50-45	115 m (350')
<45	60 m (200')

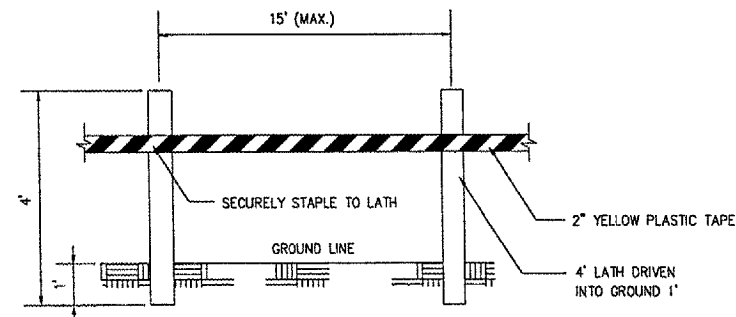
① = Refer to SIGN SPACING table for distances.

All dimensions are in millimeters (inches) unless otherwise shown.

- SYMBOLS**
- WORK AREA
 - SIGN ON PORTABLE OR PERMANENT SUPPORT
 - FLAGGER WITH TRAFFIC CONTROL SIGN

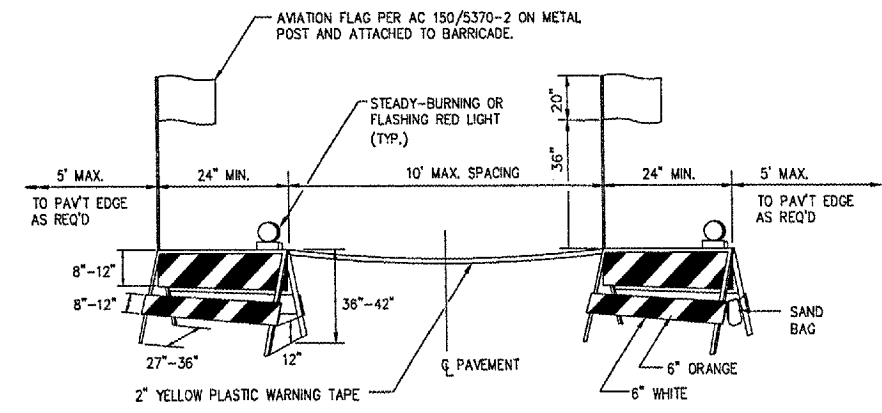
NOTE: ALL OPERATIONS ASSOCIATED WITH LANE CLOSURES TO BE PAID UNDER ITEM AR800330

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS (IDOT STANDARD 701301-02)



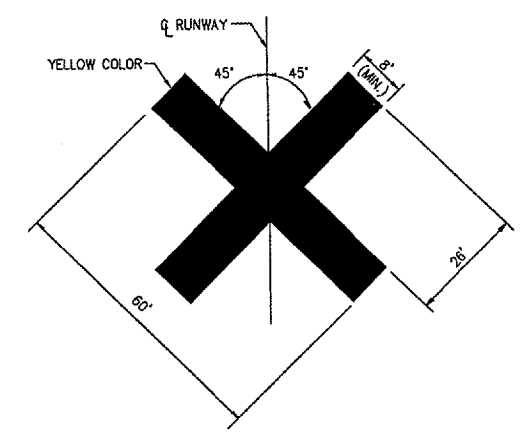
MATERIALS ARE TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION. COST OF MATERIALS, INSTALLATION, RELOCATION AND MAINTENANCE OF LATHING AND WARNING TAPE IS TO BE INCIDENTAL TO THE CONTRACT.

DETAIL A LATHING AND WARNING TAPE



BARRICADES ARE TO BE OF IDOT TYPE I, A STEADY-BURNING OR FLASHING RED LIGHT FACING PASSING TRAFFIC IS TO BE MOUNTED ABOVE THE TOP OF EACH BARRICADE FRAME. THE BARRICADE IS TO BE STABILIZED FROM WIND BY SANDBAGS PLACED ON THE FRAME OR OTHER METHODS APPROVED BY THE RESIDENT ENGINEER. NO PART OF THE REFLECTORIZED PORTION OF THE BARRICADE IS TO BE OBSTRUCTED IN ANY MANNER. COST OF FURNISHING, INSTALLING, RELOCATING AND MAINTAINING BARRICADES IS TO BE INCIDENTAL TO THE CONTRACT.

DETAIL B PAVEMENT BARRICADES



NOTES:

1. THE MARKERS ARE TO BE OF A PERMANENT TYPE, CONSTRUCTED OF VINYL OR OTHER LIGHTWEIGHT DURABLE MATERIAL AS MANUFACTURED BY NEUBERT AERO CORP ITEM TS-100 OR EQUAL. ONE SET OF TWO MARKERS WITH MATCHING STORAGE BAG SHALL BE FURNISHED.
2. THE MARKERS ARE TO BECOME THE PROPERTY OF THE AIRPORT UPON COMPLETION OF THE PROJECT.
3. CONTRACTOR SHALL LOCATE THE MARKERS ON TOP OF THE RUNWAY NUMERALS DURING CLOSURE OF THE RUNWAY.
4. MARKERS TO BE SECURED BY CONTRACTOR AS RECOMMENDED BY MANUFACTURER.
5. COST OF FURNISHING, INSTALLING, RELOCATING AND MAINTAINING MARKERS SHALL BE PAID UNDER ITEM AR800932 (SEE SPECIAL PROVISIONS).

NEUBERT AERO CORP
4105 W. DELEON ST.
TAMPA, FL 33609-3851
PHONE: 727-789-8922
FAX: 727-789-2015

SERROT PAVING PRODUCTS
4439 TOWN CENTER PLACE
KINGWOOD, TX 77339
PHONE: 281-360-8281
FAX: 281-360-9180

DETAIL C TEMPORARILY CLOSED RUNWAY MARKER

DETAILS SHOWN ARE NOT TO SCALE

WA055



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Waukegan Regional Airport
Waukegan Regional Port District

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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title: CONSTRUCTION AND SAFETY NOTES AND DETAILS

CONSTRUCTION AND SAFETY NOTES AND DETAILS

831-04TXVD
Project Number

DSY	03/11/05
Layout By	Date
REP	03/11/05
Designed By	Date
RMH/VTM	04/11/05
Reviewed By	Date
DSY	-
Drawn By	-

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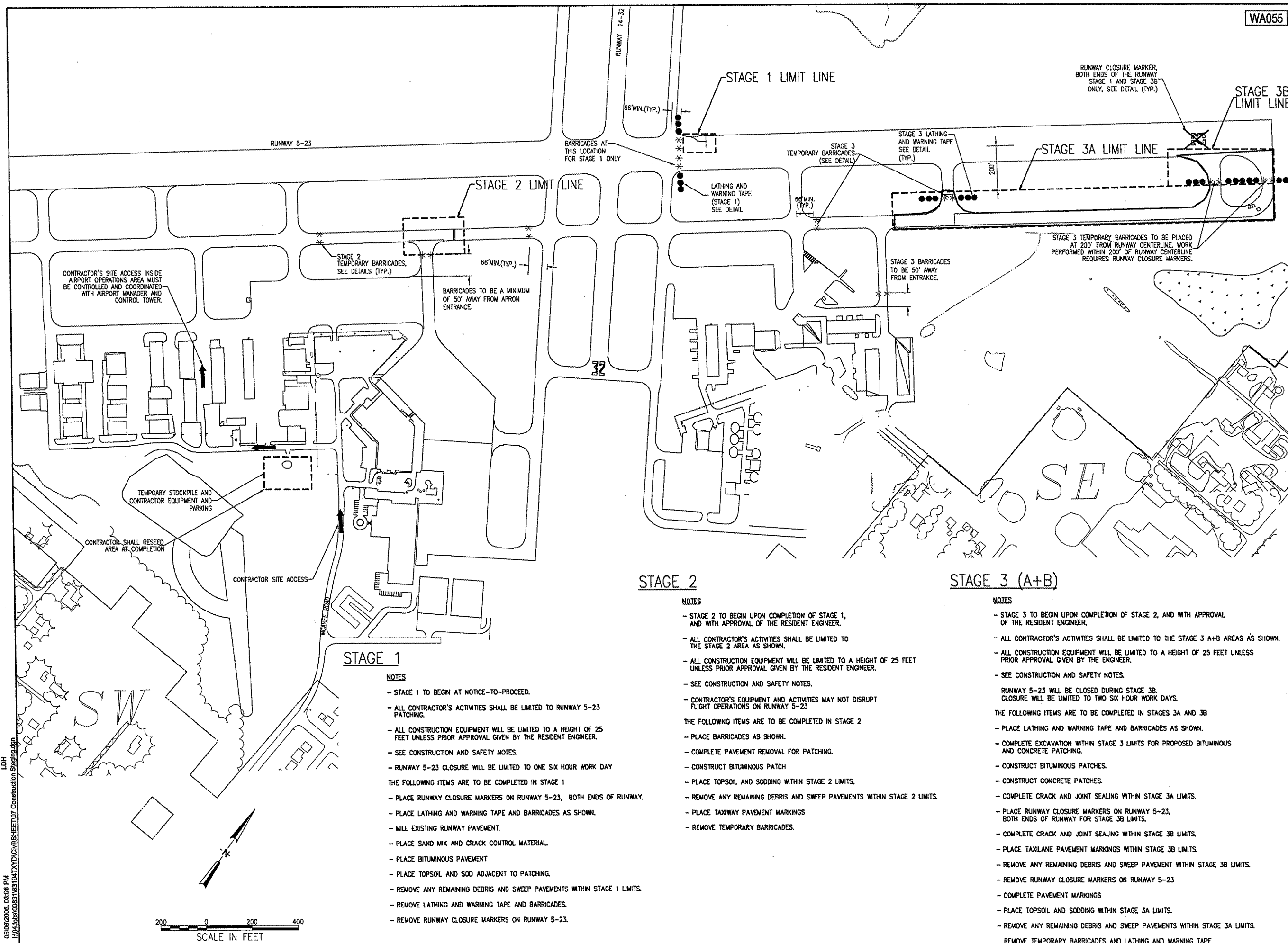
815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
Telephone: 630.990.3800
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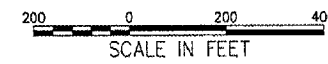
3580 North McArae Road
Waukegan, Illinois 60087
Phone: 847.244.0055
Fax: 847.244.3813

REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449



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STAGE 2

NOTES

- STAGE 2 TO BEGIN UPON COMPLETION OF STAGE 1, AND WITH APPROVAL OF THE RESIDENT ENGINEER.
- ALL CONTRACTOR'S ACTIVITIES SHALL BE LIMITED TO THE STAGE 2 AREA AS SHOWN.
- ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 25 FEET UNLESS PRIOR APPROVAL GIVEN BY THE RESIDENT ENGINEER.
- SEE CONSTRUCTION AND SAFETY NOTES.
- CONTRACTOR'S EQUIPMENT AND ACTIVITIES MAY NOT DISRUPT FLIGHT OPERATIONS ON RUNWAY 5-23
- THE FOLLOWING ITEMS ARE TO BE COMPLETED IN STAGE 2
- PLACE BARRICADES AS SHOWN.
- COMPLETE PAVEMENT REMOVAL FOR PATCHING.
- CONSTRUCT BITUMINOUS PATCH
- PLACE TOPSOIL AND SODDING WITHIN STAGE 2 LIMITS.
- REMOVE ANY REMAINING DEBRIS AND SWEEP PAVEMENTS WITHIN STAGE 2 LIMITS.
- PLACE TAXIWAY PAVEMENT MARKINGS
- REMOVE TEMPORARY BARRICADES.

STAGE 3 (A+B)

NOTES

- STAGE 3 TO BEGIN UPON COMPLETION OF STAGE 2, AND WITH APPROVAL OF THE RESIDENT ENGINEER.
- ALL CONTRACTOR'S ACTIVITIES SHALL BE LIMITED TO THE STAGE 3 A+B AREAS AS SHOWN.
- ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 25 FEET UNLESS PRIOR APPROVAL GIVEN BY THE ENGINEER.
- SEE CONSTRUCTION AND SAFETY NOTES.
- RUNWAY 5-23 WILL BE CLOSED DURING STAGE 3B. CLOSURE WILL BE LIMITED TO TWO SIX HOUR WORK DAYS.
- THE FOLLOWING ITEMS ARE TO BE COMPLETED IN STAGES 3A AND 3B
- PLACE LATHING AND WARNING TAPE AND BARRICADES AS SHOWN.
- COMPLETE EXCAVATION WITHIN STAGE 3 LIMITS FOR PROPOSED BITUMINOUS AND CONCRETE PATCHING.
- CONSTRUCT BITUMINOUS PATCHES.
- CONSTRUCT CONCRETE PATCHES.
- COMPLETE CRACK AND JOINT SEALING WITHIN STAGE 3A LIMITS.
- PLACE RUNWAY CLOSURE MARKERS ON RUNWAY 5-23, BOTH ENDS OF RUNWAY FOR STAGE 3B LIMITS.
- COMPLETE CRACK AND JOINT SEALING WITHIN STAGE 3B LIMITS.
- PLACE TAXILANE PAVEMENT MARKINGS WITHIN STAGE 3B LIMITS.
- REMOVE ANY REMAINING DEBRIS AND SWEEP PAVEMENT WITHIN STAGE 3B LIMITS.
- REMOVE RUNWAY CLOSURE MARKERS ON RUNWAY 5-23
- COMPLETE PAVEMENT MARKINGS
- PLACE TOPSOIL AND SODDING WITHIN STAGE 3A LIMITS.
- REMOVE ANY REMAINING DEBRIS AND SWEEP PAVEMENTS WITHIN STAGE 3A LIMITS.
- REMOVE TEMPORARY BARRICADES AND LATHING AND WARNING TAPE.

STAGE 1

NOTES

- STAGE 1 TO BEGIN AT NOTICE-TO-PROCEED.
- ALL CONTRACTOR'S ACTIVITIES SHALL BE LIMITED TO RUNWAY 5-23 PATCHING.
- ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 25 FEET UNLESS PRIOR APPROVAL GIVEN BY THE RESIDENT ENGINEER.
- SEE CONSTRUCTION AND SAFETY NOTES.
- RUNWAY 5-23 CLOSURE WILL BE LIMITED TO ONE SIX HOUR WORK DAY
- THE FOLLOWING ITEMS ARE TO BE COMPLETED IN STAGE 1
- PLACE RUNWAY CLOSURE MARKERS ON RUNWAY 5-23, BOTH ENDS OF RUNWAY.
- PLACE LATHING AND WARNING TAPE AND BARRICADES AS SHOWN.
- MILL EXISTING RUNWAY PAVEMENT.
- PLACE SAND MIX AND CRACK CONTROL MATERIAL.
- PLACE BITUMINOUS PAVEMENT
- PLACE TOPSOIL AND SOD ADJACENT TO PATCHING.
- REMOVE ANY REMAINING DEBRIS AND SWEEP PAVEMENTS WITHIN STAGE 1 LIMITS.
- REMOVE LATHING AND WARNING TAPE AND BARRICADES.
- REMOVE RUNWAY CLOSURE MARKERS ON RUNWAY 5-23.

No.	Drawing Issue Description	Date	By

Date
MAY 08, 2005
Sheet Title

CONSTRUCTION STAGING RUNWAY 5-23 AND TAXIWAY A

831-04TXD	
Project Number	
DSY	03/11/05
Layout By	Date
RPH	03/11/05
Designed By	Date
TMM/PMH	04/07/05
Reviewed By	Date
AAP	
Drawn By	
	Sheet No.



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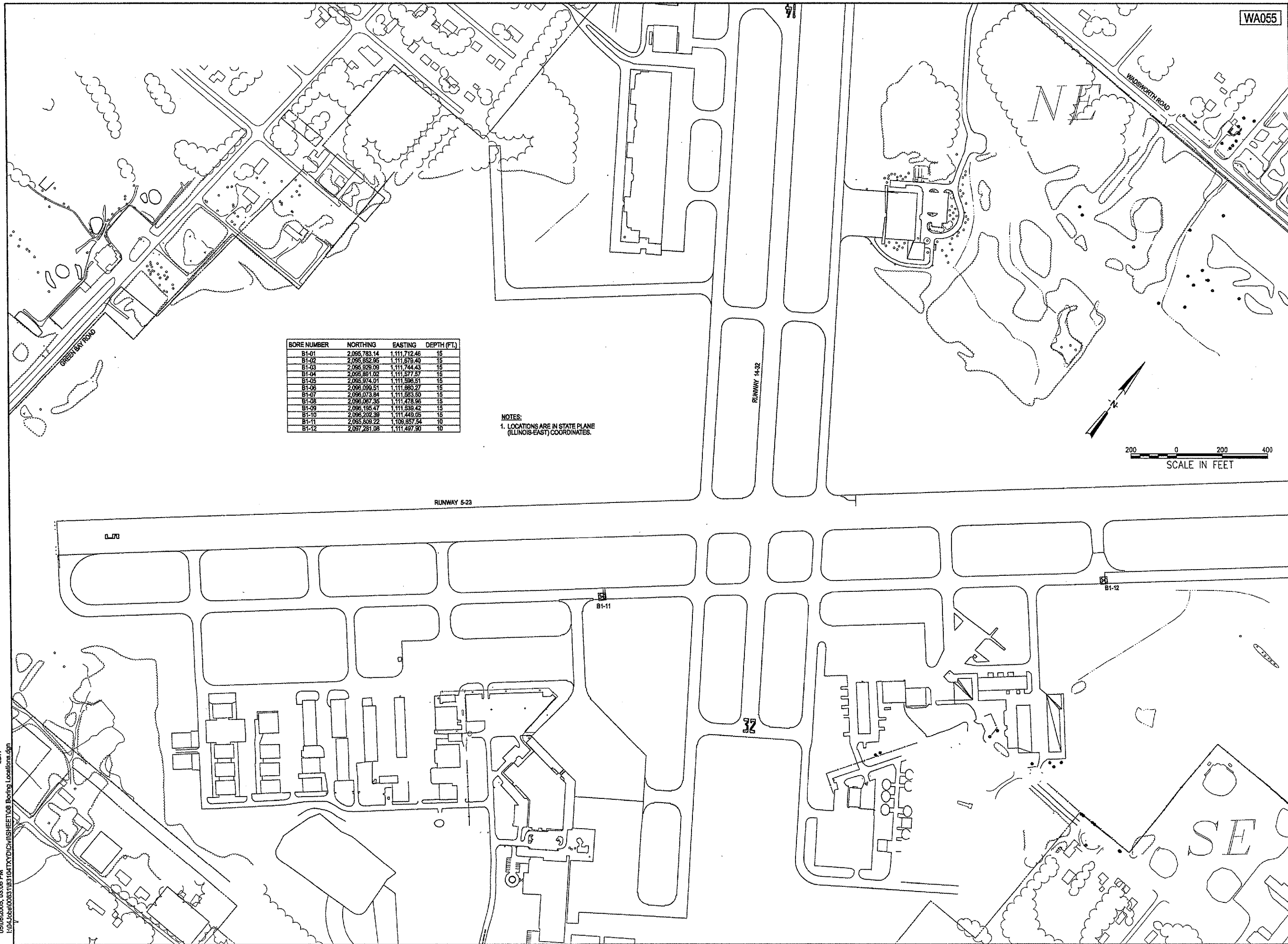


Waukegan Regional Airport
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Fax: 847.244.3813

**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449



BORE NUMBER	NORTHING	EASTING	DEPTH (FT.)
B1-01	2,095,783.14	1,111,712.46	15
B1-02	2,095,852.85	1,111,879.40	15
B1-03	2,095,929.09	1,111,744.43	15
B1-04	2,095,891.02	1,111,577.57	15
B1-05	2,095,974.01	1,111,596.51	15
B1-06	2,095,939.51	1,111,690.27	15
B1-07	2,095,073.94	1,111,693.90	15
B1-08	2,095,087.35	1,111,478.96	15
B1-09	2,095,195.47	1,111,839.42	15
B1-10	2,095,292.39	1,111,449.05	15
B1-11	2,095,809.22	1,109,857.84	10
B1-12	2,097,281.08	1,111,497.90	10

NOTES:
1. LOCATIONS ARE IN STATE PLANE
(ILLINOIS-EAST) COORDINATES.



No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

**BORE LOCATION MAP
RUNWAY 5-23 AND
TAXIWAY A**

831-04TXD	Project Number
DSY	02/28/05
RPH	02/28/05
RMH/TMM	05/05/05
DSY	

Drawn By _____



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SOILS INVESTIGATION PERFORMED BY:
GROUND ENGINEERING CONSULTANTS, INC.
350 PFINGSTON ROAD, SUITE 106
NORTHBROOK, ILLINOIS 60062

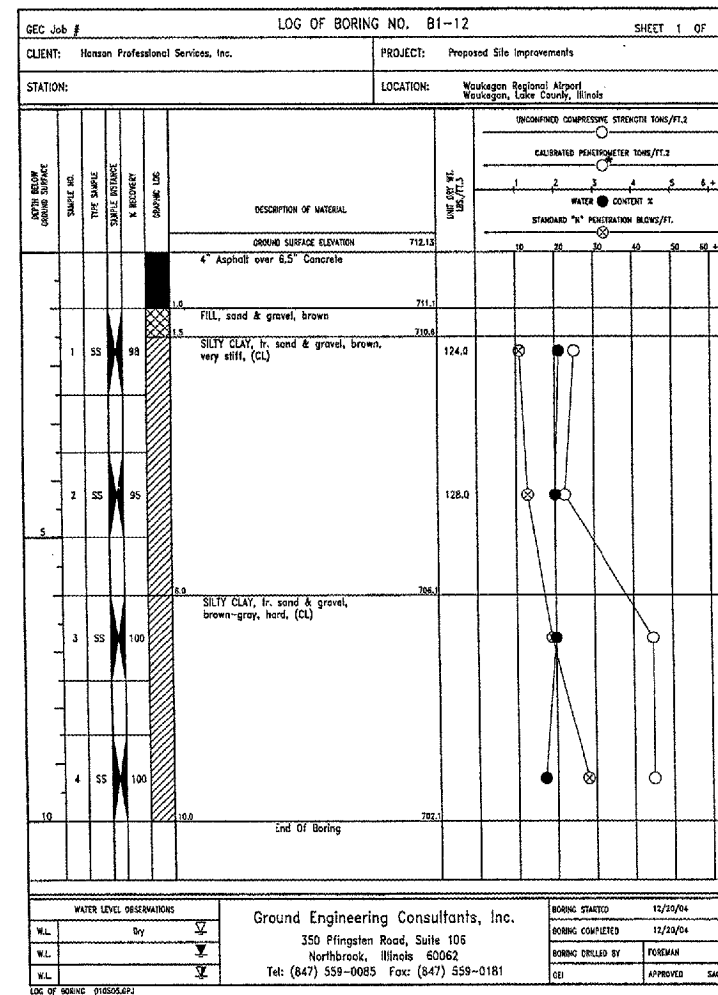
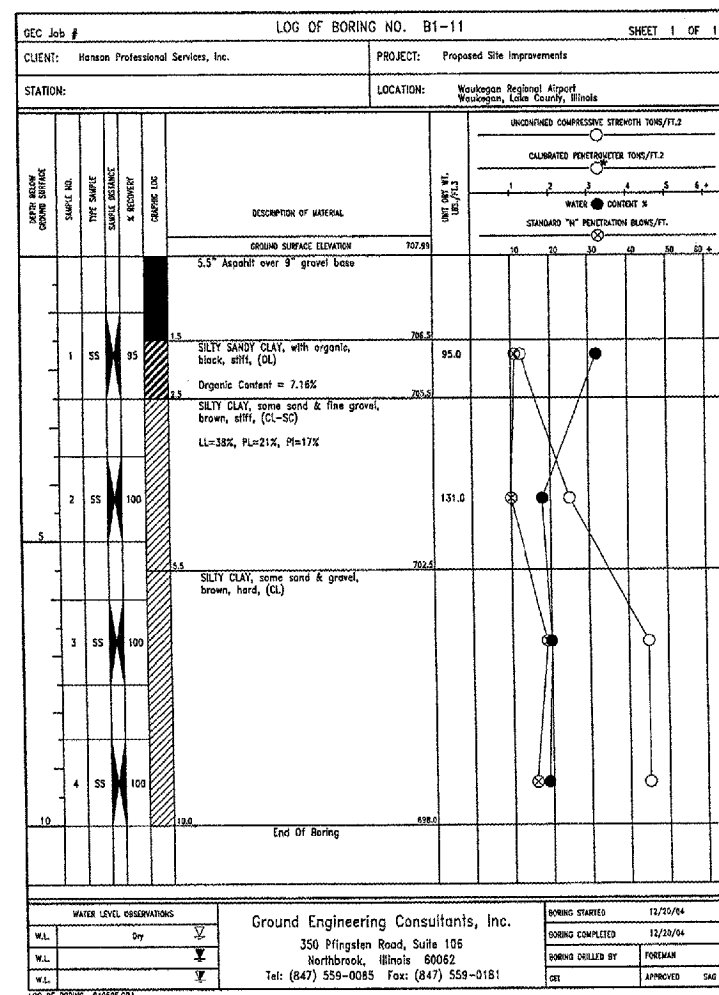


Waukegan Regional Airport
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Fax: 847.244.3813

REPAIR SELECTED PAVEMENT
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TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

SOIL BORING LOG
B1-11 THRU B1-12

831-04TXD
Project Number
DSY 02/28/05
Layout By Date
DSY 02/28/05
Designed By Date
TMMRMH 05/05/05
Reviewed By Date
DSY
Drawn By Sheet No.

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WA055



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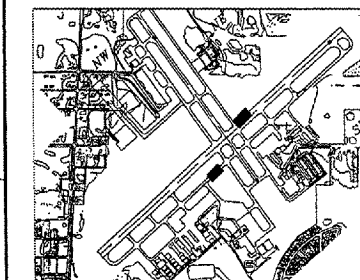


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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
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A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449



KEY MAP

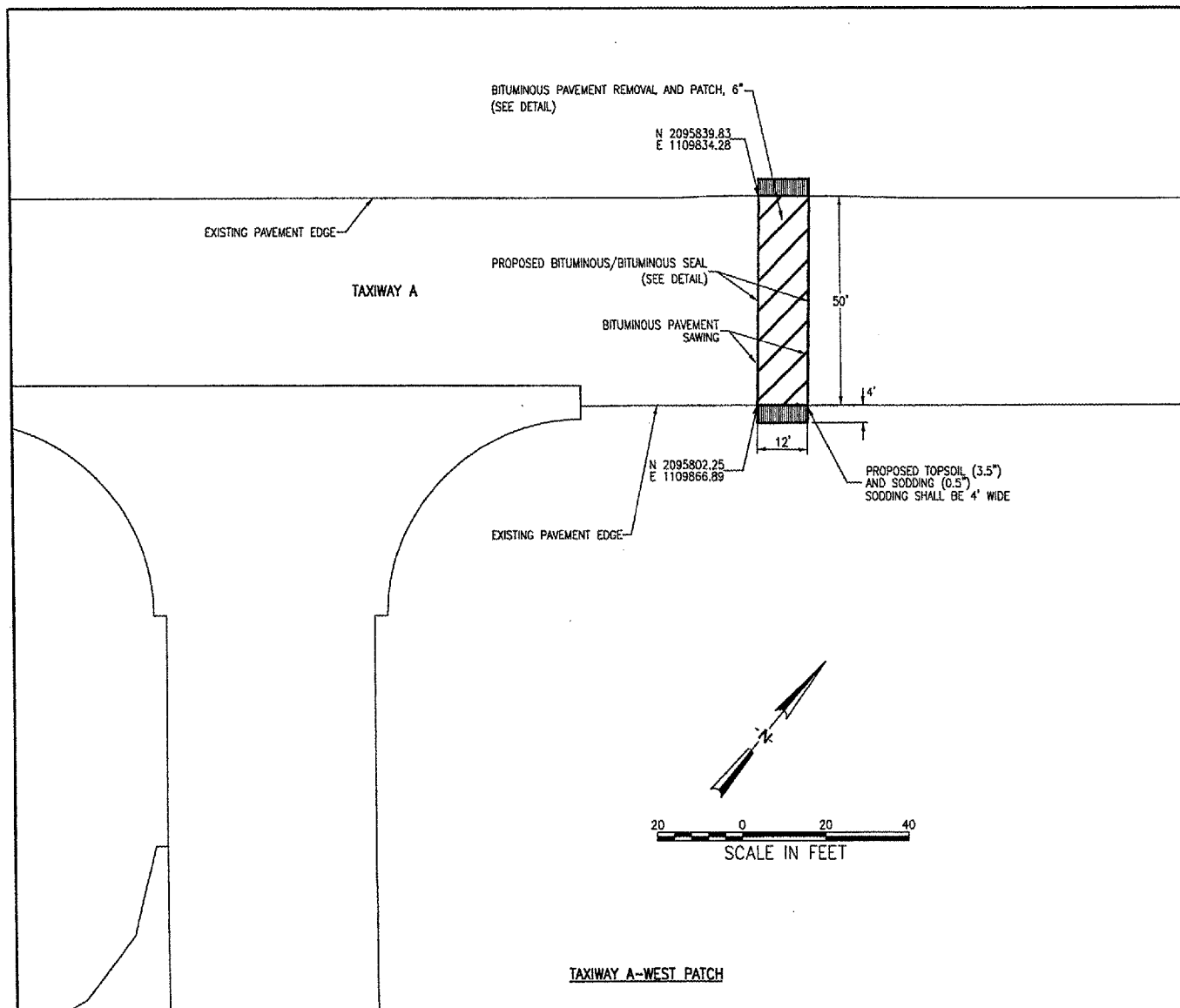
No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

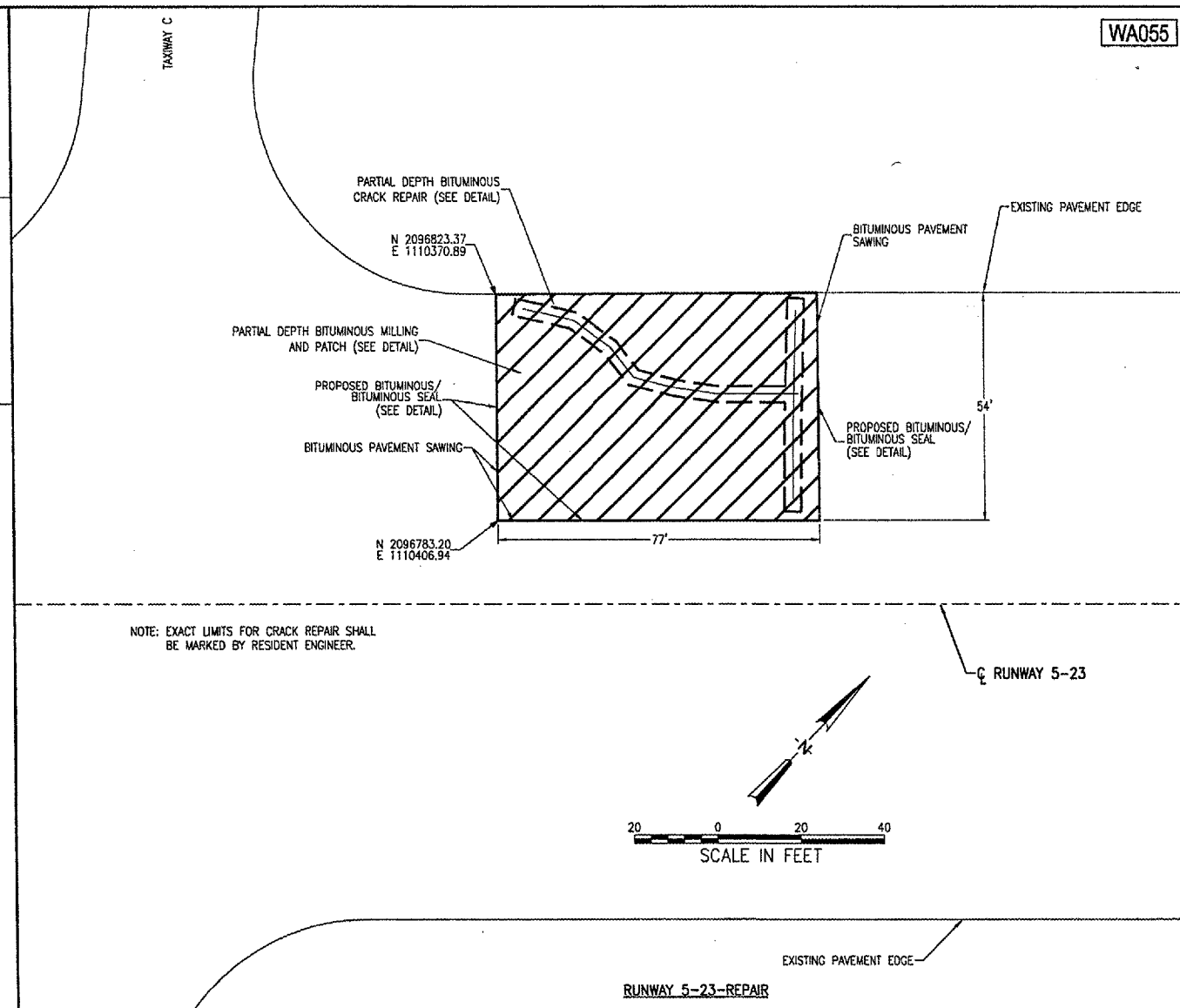
**RUNWAY 5-23 AND
TAXIWAY A PATCHING
PLAN**

831-04TXVD
Project Number
AAP 02/26/05
Layout By Date
RPH 02/26/05
Designed By Date
TMM/RMH 04/07/05
Reviewed By Date
AAP DSY RPH
Drawn By Sheet No.

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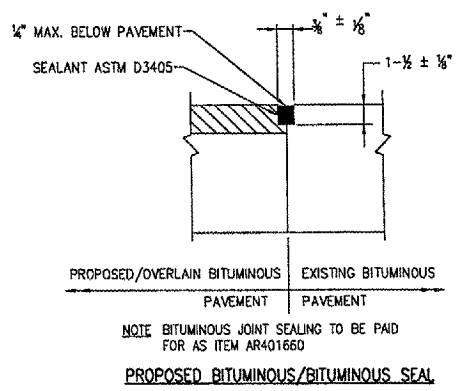


TAXIWAY A-WEST PATCH



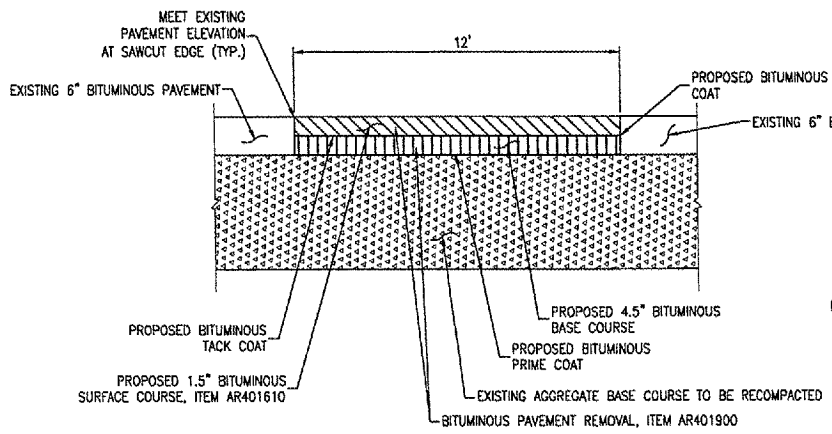
RUNWAY 5-23-REPAIR

NOTE: EXACT LIMITS FOR CRACK REPAIR SHALL BE MARKED BY RESIDENT ENGINEER.



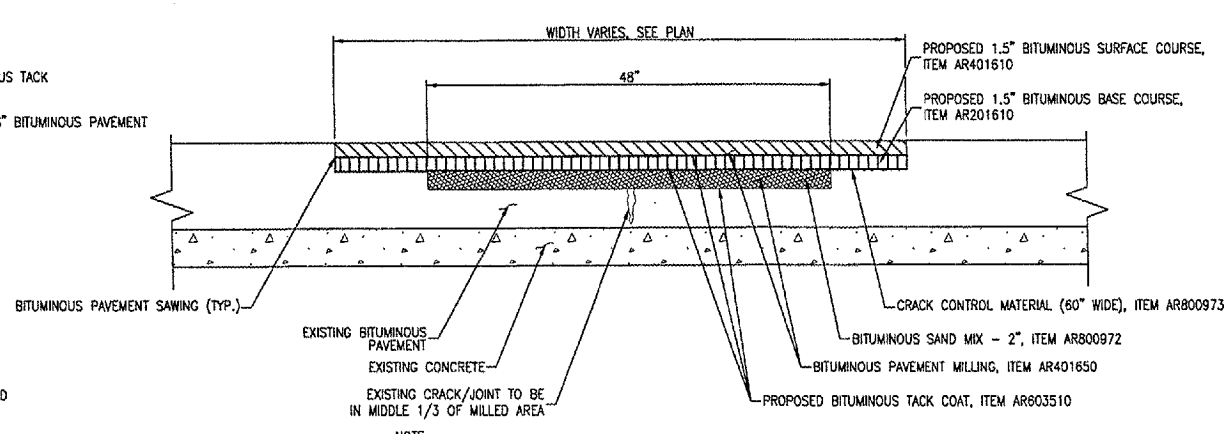
NOTE BITUMINOUS JOINT SEALING TO BE PAID FOR AS ITEM AR401660

PROPOSED BITUMINOUS/BITUMINOUS SEAL



- NOTE
1. BITUMINOUS TO BE DISPOSED OF AT AN OFFSITE LOCATION, COST INCIDENTAL TO ITEM AR401910.
 2. ALL ITEMS ASSOCIATED WITH THE BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT TO BE INCLUDED IN ITEM AR401910 EXCEPT FOR BITUMINOUS PAVEMENT SAWING, PAID AS ITEM AR401665 AND PAVEMENT MARKING, PAID AS ITEM AR620530.
 3. TACK COAT SHALL BE APPLIED BETWEEN EACH BITUMINOUS LIFT INCLUDING VERTICAL FACES.
 4. EXISTING MARKING WITHIN THE PATCH AREA SHALL BE REPLACED AND PAID UNDER ITEM AR620530. DESTROYED MARKING OUTSIDE THE PATCH SHALL BE REPLACED BUT THE COST IS INCIDENTAL. SEE PAVEMENT MARKING PLAN FOR DETAILS.

BITUMINOUS PAVEMENT REMOVAL AND PATCH
TAXIWAY A



- NOTE
1. TACK COAT SHALL BE APPLIED TO MILLED SURFACE OUTSIDE OF CRACK CONTROL MATERIAL AND BETWEEN EACH ASPHALT LIFT INCLUDING VERTICAL FACES.
 2. MILLING AND BITUMINOUS SAND MIX QUANTITIES BASED ON 48 INCH WIDTH.
 3. CRACK CONTROL MATERIAL SHALL OVERLAP BITUMINOUS SAND MIX 6 INCH EACH SIDE.
 4. BITUMINOUS PAVEMENT SAWING TO BE PAID AS ITEM AR401665.
 5. BITUMINOUS JOINT SEALING TO BE PAID FOR AS ITEM AR401660.
 6. EXISTING EDGE MARKING WITHIN THE PATCH AREA SHALL BE REPLACED AND PAID UNDER ITEM AR620530. DESTROYED MARKING OUTSIDE THE PATCH SHALL BE REPLACED BUT THE COST IS INCIDENTAL. SEE PAVEMENT MARKING PLAN FOR DETAILS.

TYPICAL SECTION-PARTIAL DEPTH BITUMINOUS CRACK
REPAIR AND PATCH
RUNWAY 5-23

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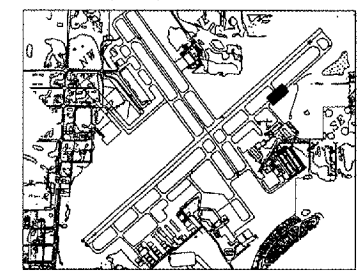
HANSON PROFESSIONAL SERVICES INC.
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
 IL. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
 Sheet Title:

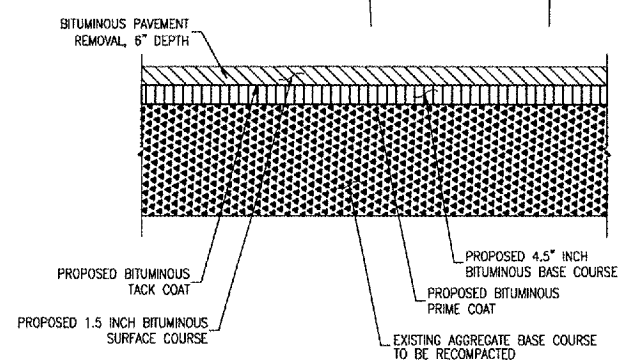
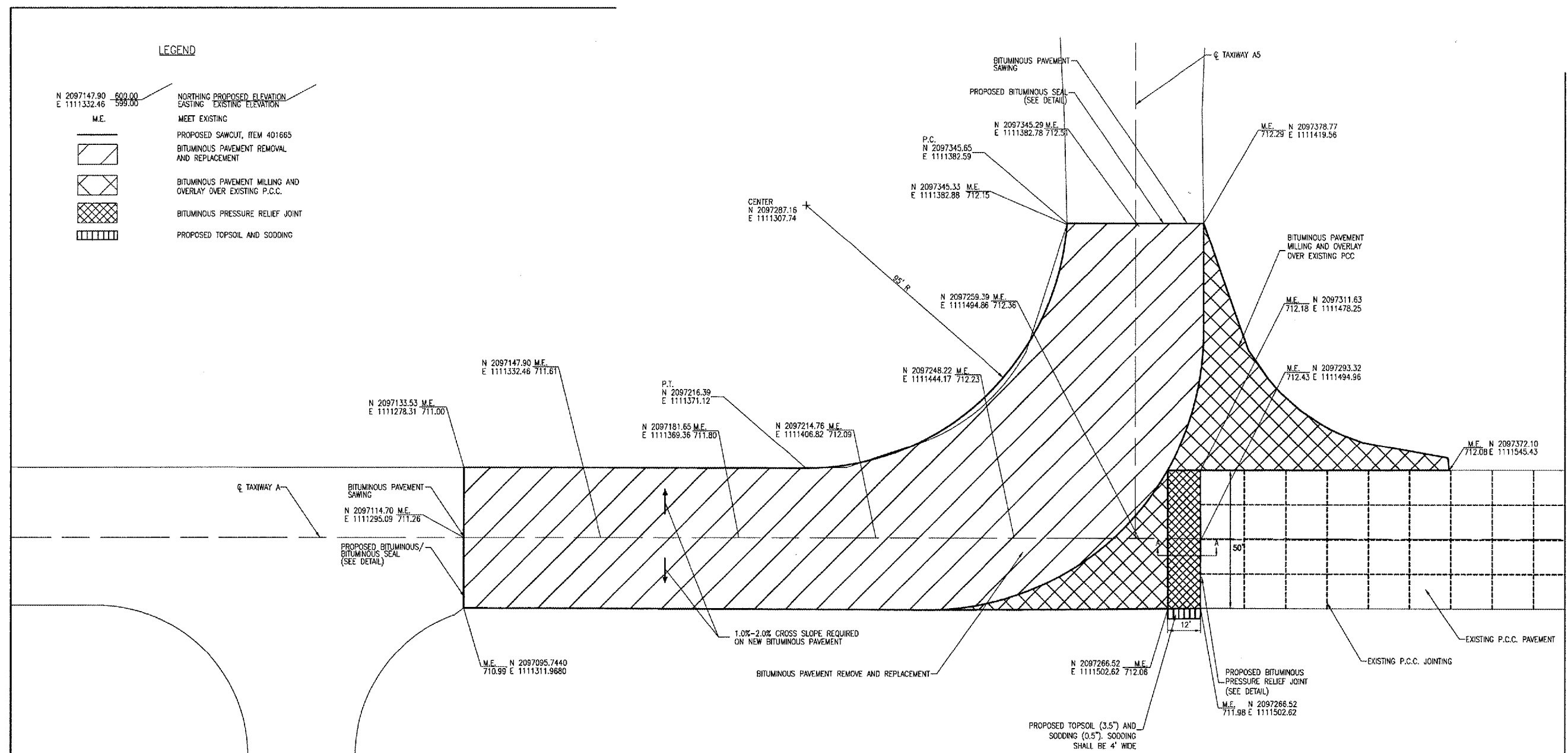
RUNWAY 5-23 AND TAXIWAY A PAVEMENT REHABILITATION PLAN

831-04TXD
 Project Number

DSY	03/11/05	
Layout By	Date	
RPH	03/11/05	
Designed By	Date	
TMM/RMH	04/07/05	
Reviewed By	Date	
AAP	DSY	RMH
Drawn By	Date	Sheet No.

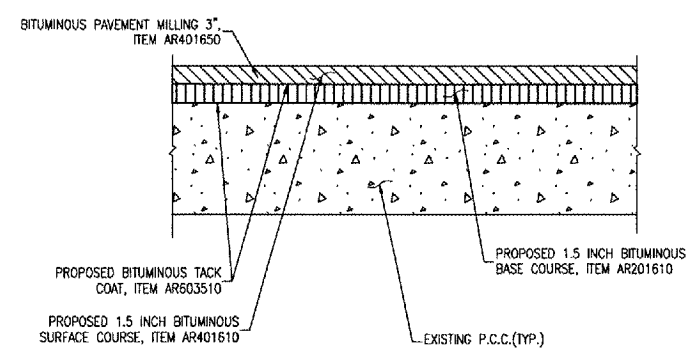
LEGEND

- N 2097147.90 600.00
E 1111332.46 599.00
M.E. NORTHING PROPOSED ELEVATION
EASTING EXISTING ELEVATION
- MEET EXISTING
- PROPOSED SAWCUT, ITEM 401665
- BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT
- BITUMINOUS PAVEMENT MILLING AND OVERLAY OVER EXISTING P.C.C.
- BITUMINOUS PRESSURE RELIEF JOINT
- PROPOSED TOPSOIL AND SODDING



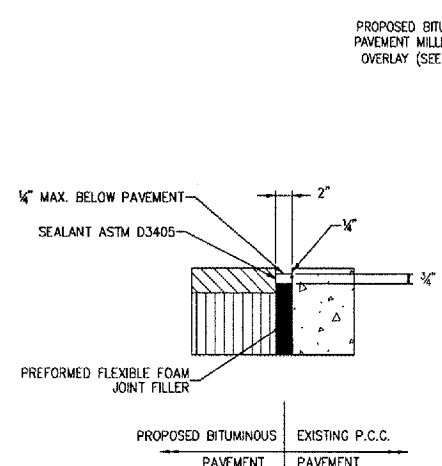
- NOTES**
- REMOVED BITUMINOUS PAVEMENT AND AGGREGATE BASE TO BE DISPOSED OF AT AN OFFSITE LOCATION, COST INCIDENTAL TO REMOVE AND REPLACE BITUMINOUS PAVEMENT.
 - ALL ITEMS ASSOCIATED WITH THE BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT TO BE INCLUDED IN ITEM AR401910 EXCEPT FOR BITUMINOUS PAVEMENT SAWING WHICH IS TO BE PAID AS ITEM AR401665.

BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT
 TAXIWAY A/A/S

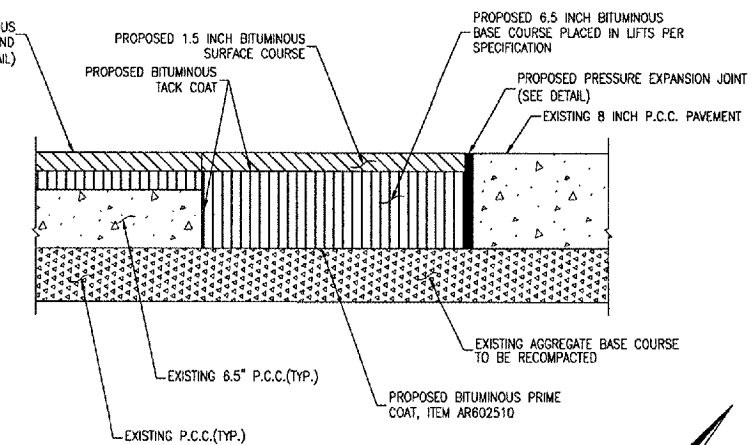


- NOTES**
- BITUMINOUS PAVEMENT MILLINGS TO BE DISPOSED OF AT AN OFFSITE LOCATION, COST INCIDENTAL TO BITUMINOUS PAVEMENT MILLING.
 - BITUMINOUS PAVEMENT SAWING TO BE PAID AS ITEM AR401665.

BITUMINOUS PAVEMENT MILLING AND OVERLAY OVER EXISTING P.C.C.



PRESSURE EXPANSION JOINT



- NOTES**
- PAVEMENT REMOVAL FOR PRESSURE RELIEF JOINT INCLUDED IN ITEM AR800901.
 - ALL ITEMS ASSOCIATED WITH PRESSURE RELIEF JOINT AND REPLACEMENT TO BE INCLUDED IN ITEM AR800901 EXCEPT FOR BITUMINOUS PAVEMENT SAWING WHICH IS TO BE PAID AS ITEM AR401665.

PROPOSED BITUMINOUS PRESSURE RELIEF JOINT
 SECTION A-A



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815 Commerce Drive, Suite 200
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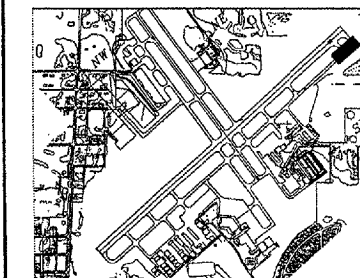


Waukegan Regional Airport
Waukegan Regional Port District

3580 North McAree Road
Waukegan, Illinois 60087
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



KEY MAP

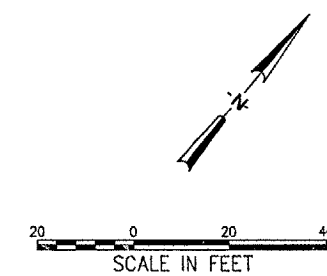
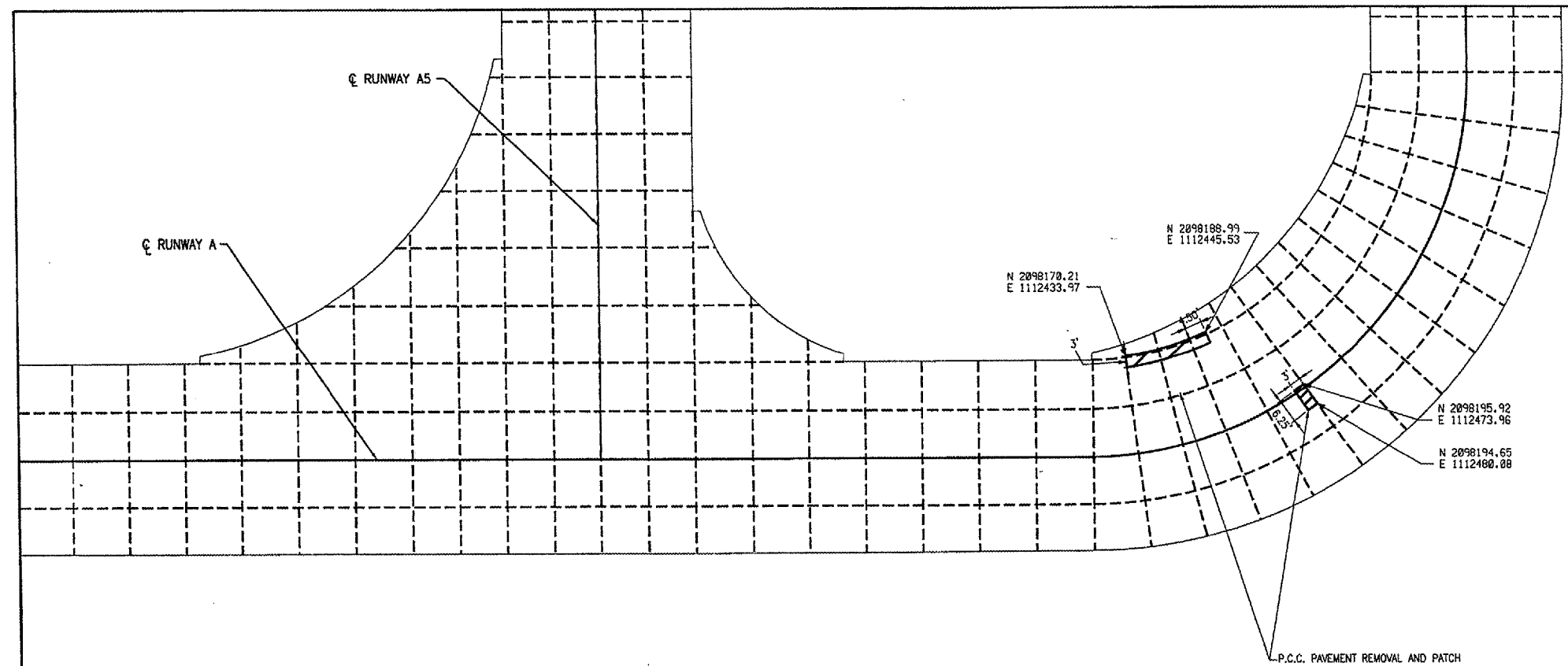
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Date

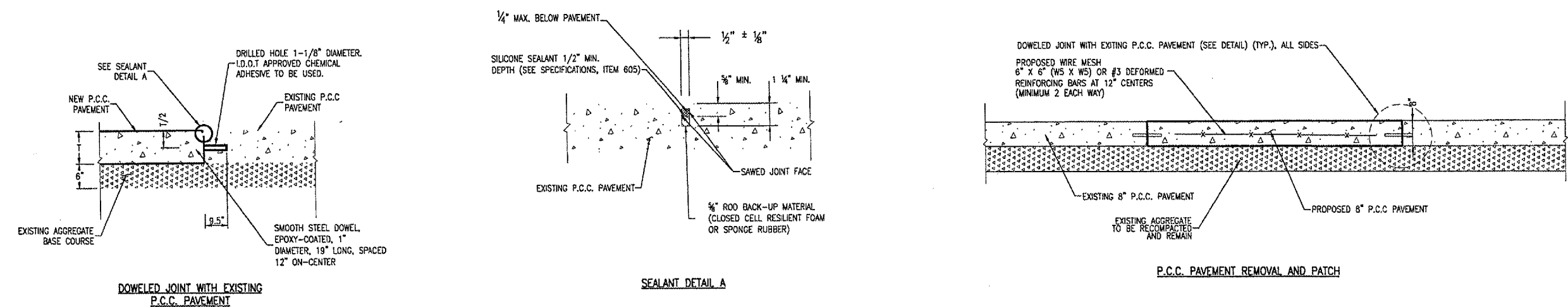
MAY 06, 2005
Sheet Title
TAXIWAY A PATCHING PLAN

RUNWAY 5-23 AND TAXIWAY A PAVEMENT REHABILITATION

831-04TXYD
Project Number
AAP 03/11/05
Layout By Date
RPH 03/11/05
Designed By Date
RMH/TMM 04/07/05
Reviewed By Date
AAP DSB RPH
Drawn By
Sheet No.



- GENERAL NOTES**
1. FIELD VERIFY PATCH LOCATIONS WITH RESIDENT ENGINEER PRIOR TO PAVEMENT REMOVAL.
 2. REINFORCEMENT, EXPANSION MATERIAL, SAW CUTTING AND SEALING OF JOINTS IS INCIDENTAL TO P.C.C. PAVEMENT.
 3. PAVEMENT THICKNESS "T" TO BE 8 INCHES, EXCEPT WHERE NOTED OTHERWISE.
 4. CURING AND FINAL FINISH SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS.
 5. ALL DOWEL BARS TO HAVE ONE END OILED PRIOR TO CONCRETE PLACEMENT.

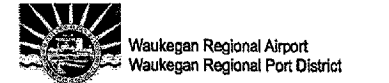


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HANSON PROFESSIONAL SERVICES INC.

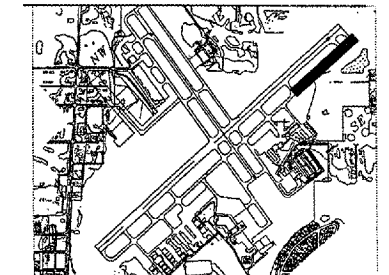
815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
Telephone: 630.990.3800
Fax: 630.990.3801



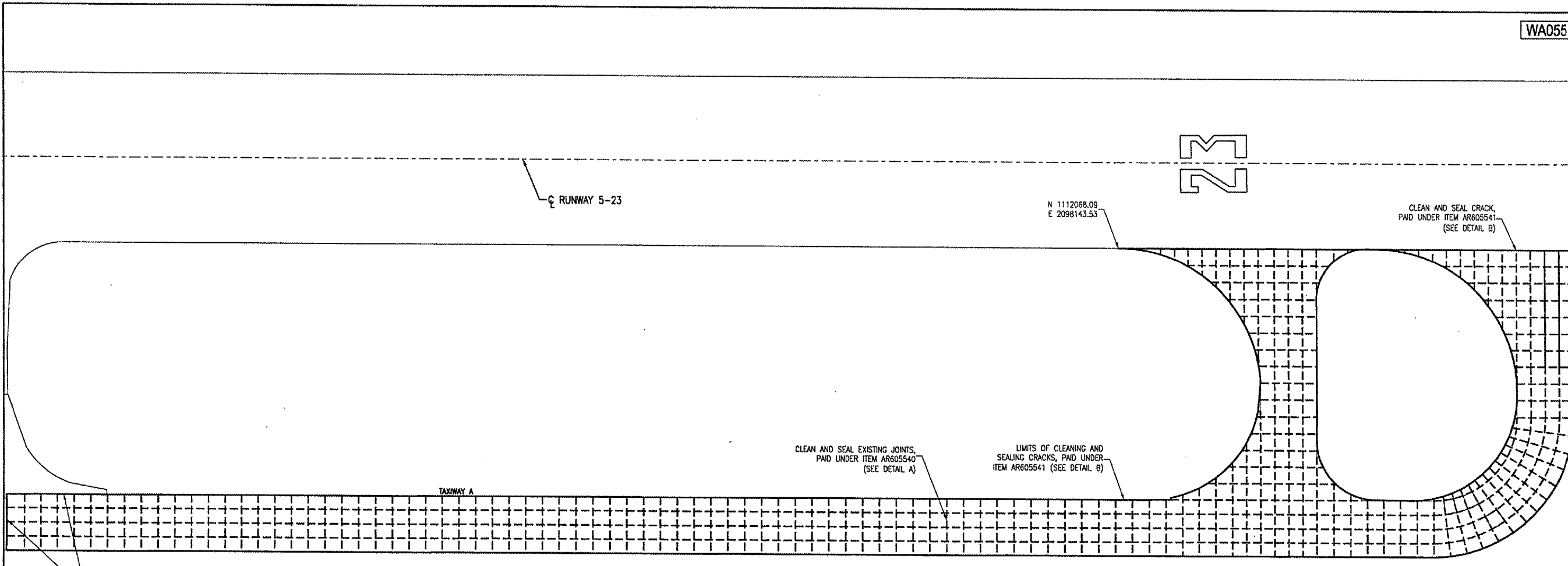
3580 North McAree Road
Waukegan, Illinois 60087
Phone: 847.244.0055
Fax: 847.244.3813

REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



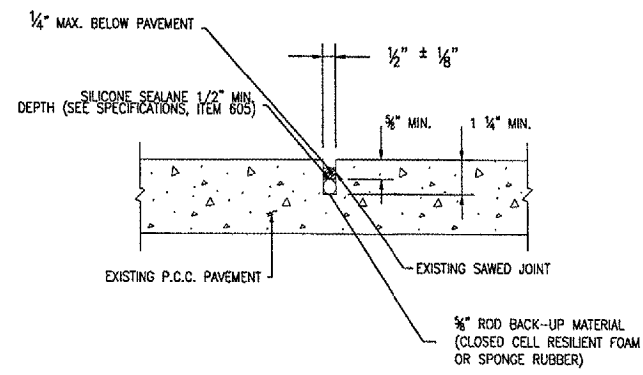
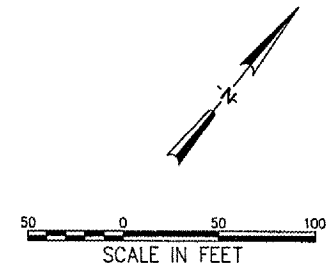
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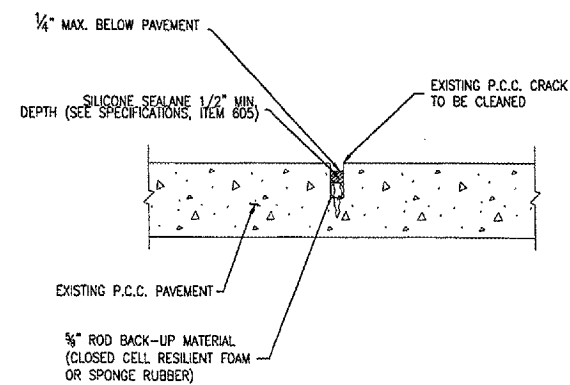
QUANTITIES			
NUMBER	DESCRIPTION	UNIT	QUANTITY
AR605540	CLEAN & SEAL JOINTS	LF	13,725
AR605541	CLEAN & SEAL CRACKS	LF	600

NOTES:

- SEE SPECIAL PROVISIONS FOR JOINT SEALANT INFORMATION.
- EXISTING CRACKS TO BE CLEANED AND SEALED (ITEM AR605541) ARE TO BE FIELD LOCATED BY THE CONTRACTOR AND VERIFIED BY THE RESIDENT ENGINEER.



CLEAN AND SEAL JOINTS
DETAIL A



CLEAN AND SEAL CRACKS
DETAIL B

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005

JOINT SEALING PLAN RUNWAY 5-23 AND TAXIWAY A PAVEMENT REHABILITATION

831-04TXVD			
Project Number			
AAP	03/02/05	Layout By Date	
RPH	03/02/05	Designed By Date	
TMM/RMH	04/07/05	Reviewed By Date	
AAP	RPH	DSY	Drawn By
Sheet No.			13

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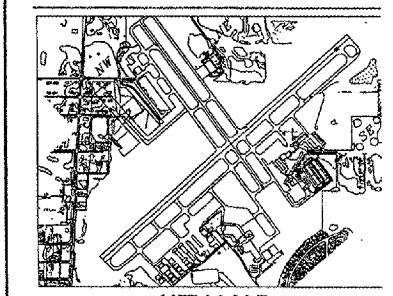
HANSON PROFESSIONAL SERVICES INC.
 815 Commerce Drive, Suite 200
 Oak Brook, Illinois 60523
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 Fax: 630.990.3801



3580 North McAree Road
 Waukegan, Illinois 60087
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
 IL. PROJ.: UGN-3449



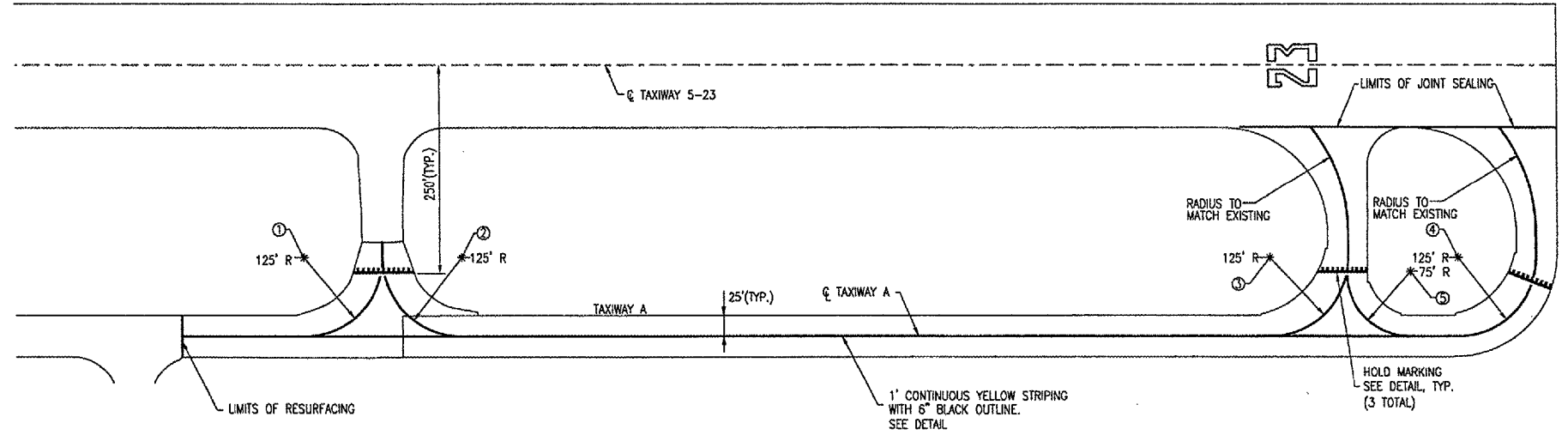
KEY MAP

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005

**PAVEMENT MARKING PLAN
 RUNWAY 5-23 AND
 TAXIWAY A PAVEMENT
 REHABILITATION**

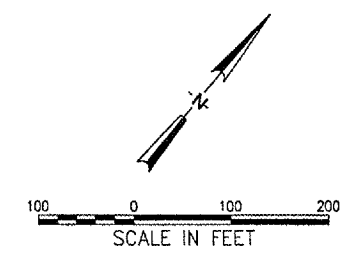
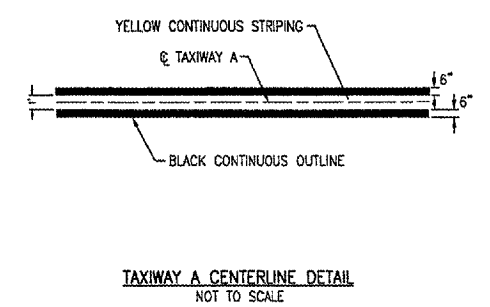
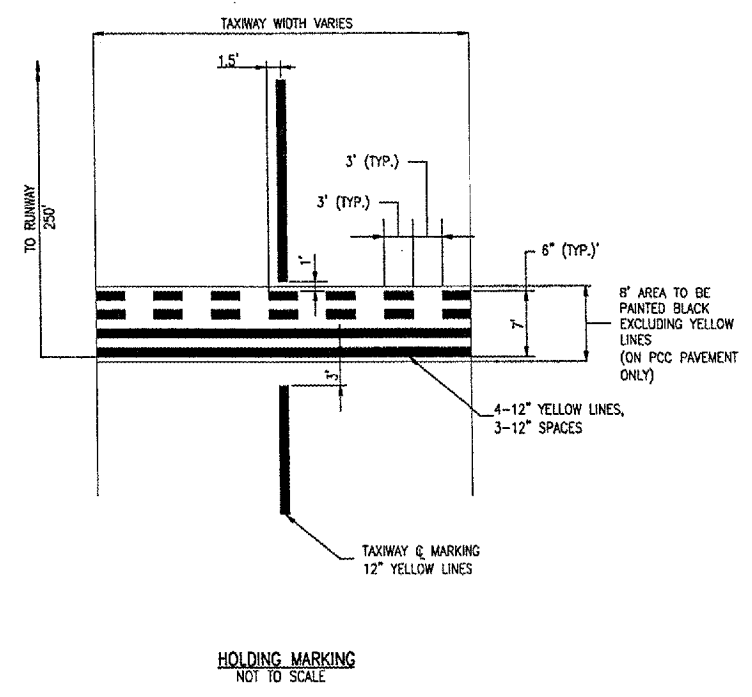
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DSY	Date
DSY	03/11/05
RPH	Date
RPH	03/11/05
TMM/RMH	Date
TMM/RMH	04/07/05
DSY	Date
DSY	03/11/05
RPH	Date
RPH	03/11/05
	Date



RADIUS CENTER COORDINATES

NO.	NORTHING	EASTING
1	2097429.34	1111504.37
2	2097556.10	1111645.90
3	2098209.84	1112375.85
4	2098362.22	1112545.99
5	2098311.57	1112514.92

- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT MARKING. DISCREPANCIES BETWEEN PROPOSED AND EXISTING PAVEMENT MARKING SHALL BE BROUGHT TO THE RESIDENT ENGINEER'S ATTENTION BEFORE PAVEMENT MARKING BEGINS.
 - PAVEMENT MARKINGS SHALL BE PAID FOR UNDER ITEM AR620530.
 - 12' OF 12" TAXIWAY CENTERLINE MARKING TO BE PLACED AT TAXIWAY A PATCH LOCATED AT WEST END. MARKING TO BE YELLOW, EPOXY PAINT.
 - 77' OF 3" RUNWAY EDGE MARKING TO BE PLACED AT RUNWAY 5-23 PATCH. MARKING TO BE WHITE, EPOXY PAINT.

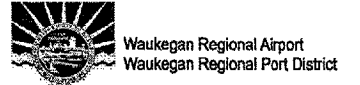


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WA055



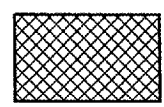
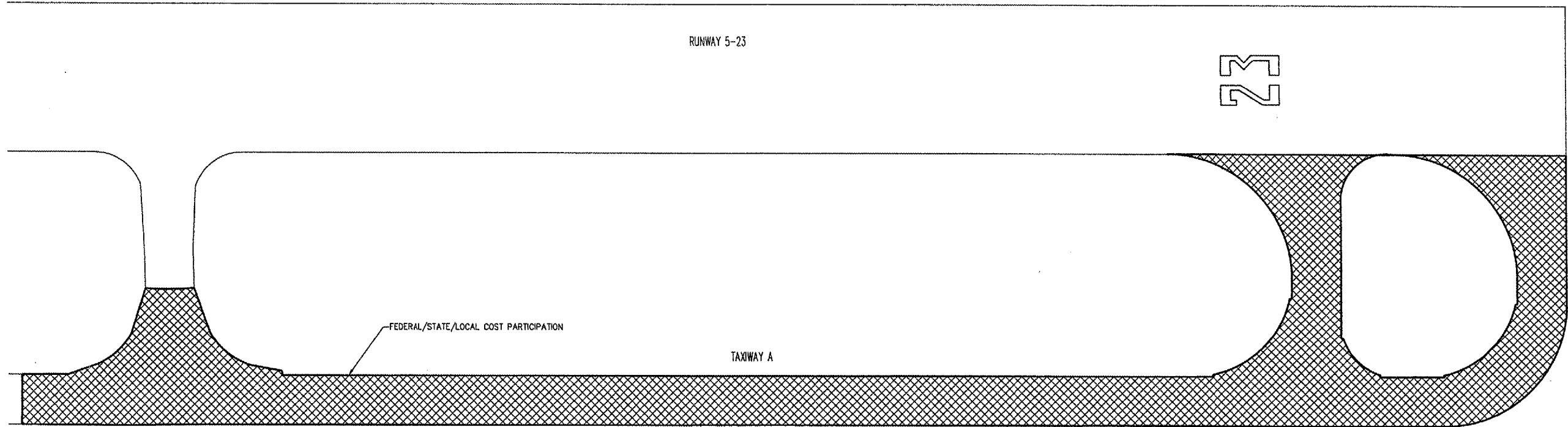
HANSON PROFESSIONAL SERVICES INC.
815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
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Fax: 630.990.3801



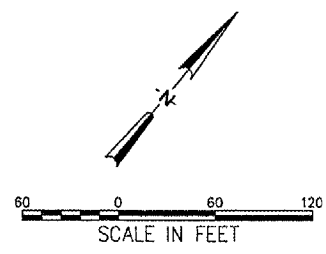
Waukegan Regional Airport
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3580 North McAree Road
Waukegan, Illinois 60087
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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449



FEDERAL/STATE/LOCAL COST PARTICIPATION



No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005

Sheet Title
**COST PARTICIPATION
EXHIBIT**

831-04TXD
Project Number
AAP 2/19/05
Layout By Date
RPH 2/19/05
Designed By Date
RMH 4/07/05
Reviewed By Date
AAP
Drawn By

Sheet No. **15**

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WA055



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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

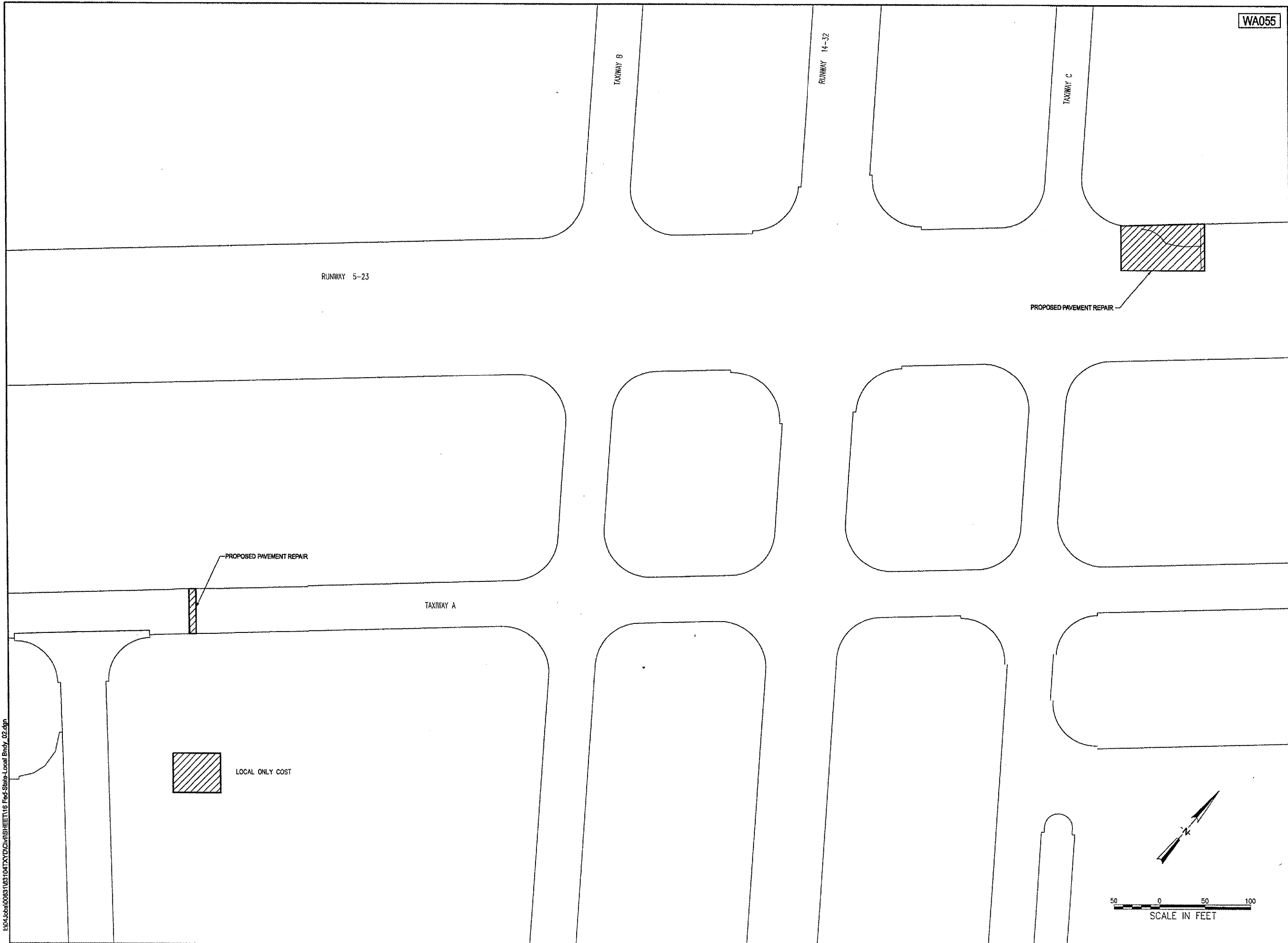
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IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

COST PARTICIPATION EXHIBIT

831-04TXVD
Project Number
AAP 02/15/06
Layout By Date
RPH 02/15/06
Designed By Date
RMH 04/07/05
Reviewed By Date
AAP RPH --
Drawn By Sheet No.



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Waukegan Regional Port District

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REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

SECTION 2 CONSTRUCT NEW HANGAR PAVEMENTS

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

SECTION 2 COVER

831-04TXD
Project Number
DWP 03/07/05
Layout By Date
RPH 03/07/05
Designed By Date
TMMRPH 04/07/05
Reviewed By Date
DWP
Drawn By

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SUMMARY OF QUANTITIES

Item No.	Description	Unit	As Bid		
			State/Local	Local Only	Total
AR110504	4-Way Concrete Encased Duct	Linear Foot	124.00	0.00	124.00
AR125941	Adjust Stake Mounted Light	Each	4.00	0.00	4.00
AR125961	Relocate Stake Mounted Light	Each	1.00	0.00	1.00
AR151450	Clearing and Grubbing	Acre	0.12	0.00	0.12
AR152410	Unclassified Excavation	Cubic Yard	4,465.00	0.00	4,465.00
AR156510	Silt Fence	Linear Foot	800.00	0.00	800.00
AR156513	Separation Fabric	Square Yard	6,480.00	568.00	7,048.00
AR162506	Class E Fence 6'	Linear Foot	358.00	0.00	358.00
AR162605	Class E Gate-5'	Each	1.00	0.00	1.00
AR162728	Electric Gate-28'	Each	1.00	0.00	1.00
AR201610	Bituminous Base Course	Ton	793.00	70.00	863.00
AR201630	Bituminous Base Test Section	Each	1.00	0.00	1.00
AR209610	Crushed Agg. Base Course - 10"	Square Yard	6,480.00	568.00	7,048.00
AR401610	Bituminous Surface Course	Ton	803.00	70.00	873.00
AR401630	Bituminous Surface Test Section	Each	1.00	0.00	1.00
AR401650	Bituminous Pavement Milling	Square Yard	169.00	0.00	169.00
AR401660	Saw & Seal Bit. Joints	Linear Foot	754.00	0.00	754.00
AR401665	Bituminous Pavement Sawing	Linear Foot	754.00	0.00	754.00
AR401916	Rem & Rep Bit Pavement - Type B	Square Yard	346.00	0.00	346.00
AR501665	PCC Pavement Sawing	Linear Foot	79.00	0.00	79.00
AR501910	Remove & Replace PCC Pavement	Square Yard	65.00	0.00	65.00
AR602510	Bituminous Prime Coat	Gallon	1,970.00	171.00	2,141.00
AR603510	Bituminous Tack Coat	Gallon	998.00	86.00	1,084.00
AR620530	Pavement Marking-Epoxy	Square Foot	1,465.00	0.00	1,465.00
AR701008	8" PVC Storm Sewer	Linear Foot	139.00	0.00	139.00
AR701512	12" RCP, Class IV	Linear Foot	237.00	0.00	237.00
AR701515	15" RCP, Class IV	Linear Foot	237.00	0.00	237.00
AR701518	18" RCP, Class IV	Linear Foot	145.00	0.00	145.00
AR701524	24" RCP, Class IV	Linear Foot	950.00	0.00	950.00
AR701900	Remove Pipe	Linear Foot	41.00	0.00	41.00
AR705412	Porous Backfill No. 2	Cubic Yard	157.00	0.00	157.00
AR705504	4" Perforated Underdrain	Linear Foot	1,514.00	0.00	1,514.00
AR705544	4" Non Perforated Underdrain	Linear Foot	60.00	0.00	60.00
AR705630	Underdrain Inspection Hole	Each	4.00	0.00	4.00
AR705640	Underdrain Cleanout	Each	8.00	0.00	8.00
AR751410	Inlet	Each	1.00	0.00	1.00
AR751540	Manhole 4'	Each	6.00	0.00	6.00
AR751550	Manhole 5'	Each	6.00	0.00	6.00
AR751943	Adjust Manhole	Each	1.00	0.00	1.00
AR800330	Traffic Control	Lump Sum	1.00	0.00	1.00
AR800915	Airfield Cable in Unit Duct	Linear Foot	324.00	0.00	324.00
AR800927	Granular Drainage Subbase - 4"	Square Yard	6,480.00	568.00	7,048.00
AR800937	Conservation Cover	Acre	1.60	0.00	1.60
AR901510	Seeding	Acre	1.10	0.00	1.10
AR905510	Topsoiling (From On Site)	Cubic Yard	365.00	0.00	365.00
AR905520	Topsoiling (From Off Site)	Cubic Yard	227.00	0.00	227.00
AR908510	Mulching	Acre	1.10	0.00	1.10
AR910230	Handicapped Sign	Each	1.00	0.00	1.00



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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

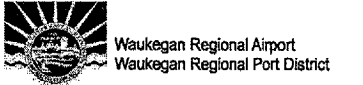
Date: MAY 06, 2005
Sheet Title

SUMMARY OF QUANTITIES

831-04TKYD
Project Number
SJM 02/28/05
Layout By Date
AAP 02/28/05
Designed By Date
RMH/TMM 05/05/05
Reviewed By Date
SJM -
Drawn By Sheet No.



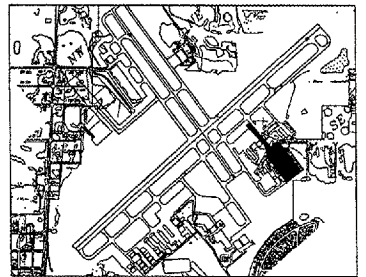
HANSON PROFESSIONAL SERVICES INC.
 815 Comarca Drive, Suite 200
 Oak Brook, Illinois 60023
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 Fax: 630.990.3801



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**REPAIR SELECTED PAVEMENT
 AREAS, REHABILITATE HANGAR
 TAXILANES AND SERVICE ROAD,
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 PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
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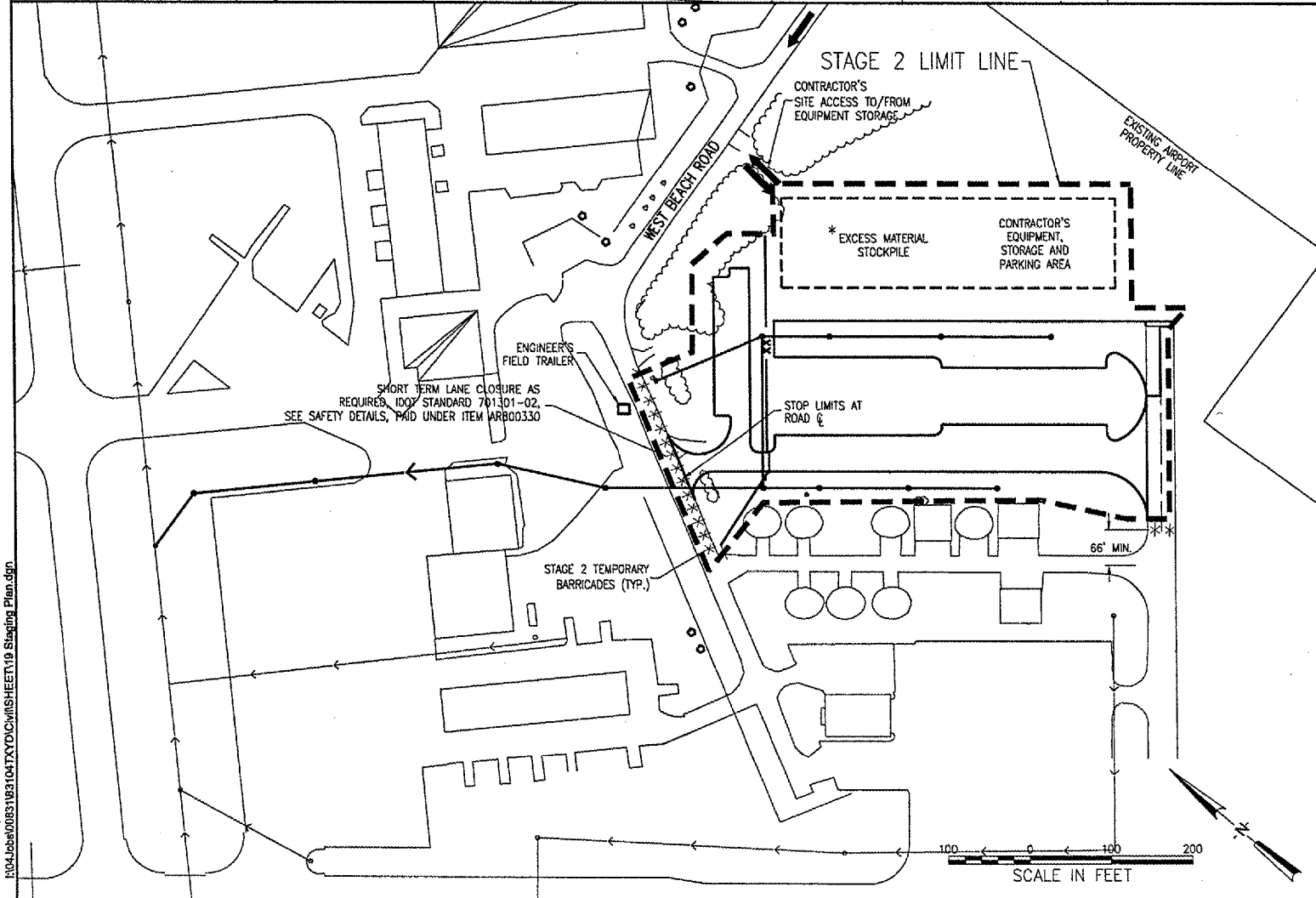
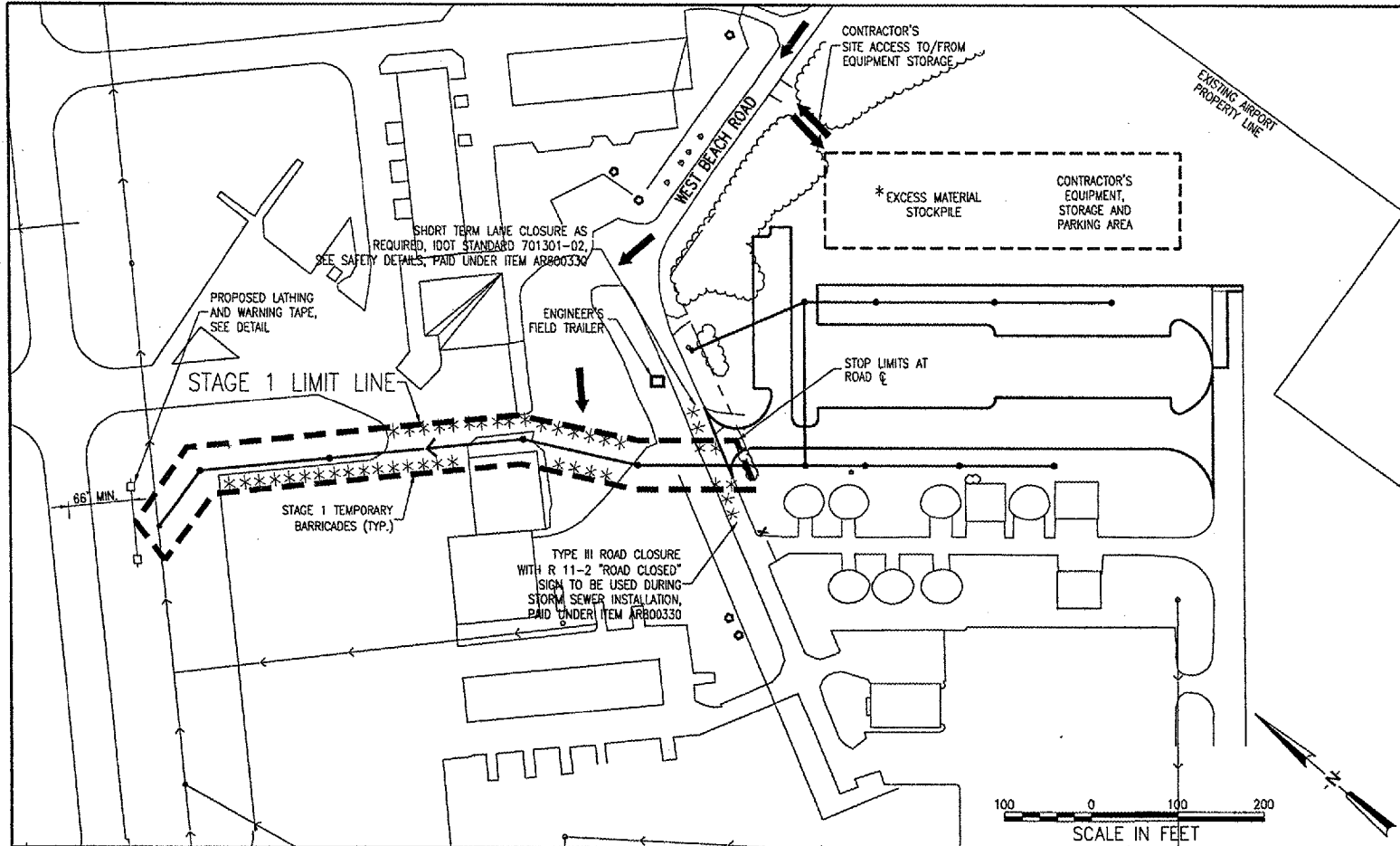
KEY MAP

No.	Drawing Issue Description	Date	By

Date
 MAY 06, 2005
 Sheet Title

**CONSTRUCTION
 STAGING PLAN
 STAGES 1 AND 2**

831-04TXVD
 Project Number
 AAP 02/03/05
 Layout By Date
 AAP 02/03/05
 Designed By Date
 TMM 04/07/05
 Reviewed By Date
 AAP
 Drawn By Sheet No.



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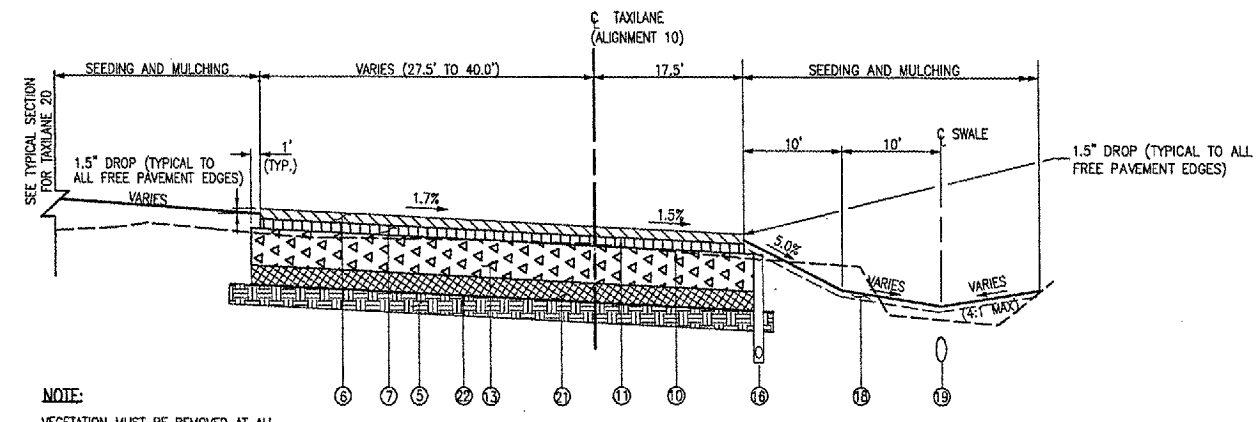
3580 North McAree Road
Waukegan, Illinois 60087
Phone: 847.244.0055
Fax: 847.244.3813

REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
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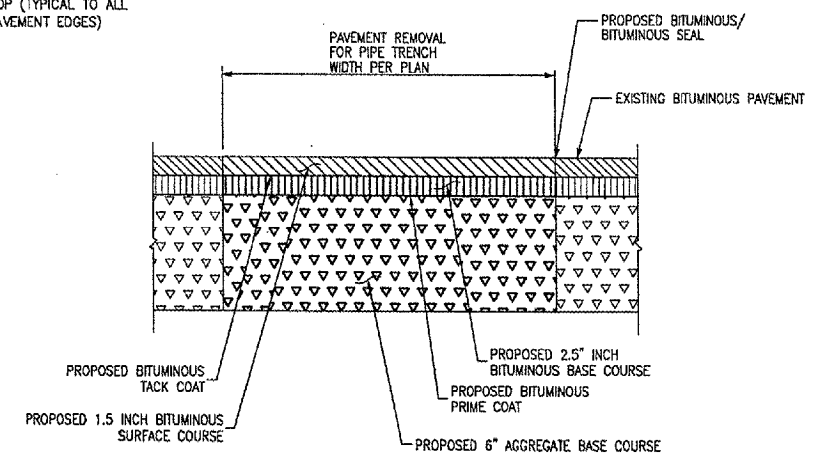
LEGEND

- ① EXISTING BITUMINOUS PAVEMENT
- ② EXISTING BITUMINOUS AGGREGATE BASE COURSE
- ③ BITUMINOUS PAVEMENT REMOVAL - 4" (NOMINAL), ITEM AR401900
- ④ BITUMINOUS PAVEMENT MILLING, ITEM AR401650
- ⑤ PROPOSED SUBGRADE PREPARATION:
CUT AREAS - REMOVE TOPSOIL, ADDITIONAL CUT AS NECESSARY TO FINISHED SUBGRADE ELEVATION. ADDITIONAL UNDERCUT IN AREAS AS DETERMINED BY ROLL TEST.
FILL AREAS - REMOVE TOPSOIL, ADDITIONAL UNDERCUT IN AREAS AS DETERMINED BY ROLL TEST.
- ⑥ PROPOSED BITUMINOUS SURFACE - 2", ITEM AR401610
- ⑦ PROPOSED BITUMINOUS BASE COURSE - 2", ITEM AR201610
- ⑧ PROPOSED BITUMINOUS BASE COURSE - 1.5", ITEM AR201620
- ⑨ PROPOSED BITUMINOUS BASE COURSE, LEVELING, 2" (NOMINAL), ITEM AR201620
- ⑩ PROPOSED BITUMINOUS PRIME COAT, ITEM AR602510
- ⑪ PROPOSED BITUMINOUS TACK COAT, ITEM AR603510
- ⑫ PROPOSED CRACK CONTROL MATERIAL (ROADWAY), ITEM ARB00996
- ⑬ PROPOSED CRUSHED AGGREGATE BASE COURSE - 10", ITEM AR209610
- ⑭ PROPOSED CRUSHED AGGREGATE BASE COURSE, THICKNESS VARIES, ITEM AR209510
- ⑮ POROUS BACKFILL NO. 2, ITEM AR705412
- ⑯ PROPOSED 4" PERFORATED UNDERDRAIN, ITEM AR705504
- ⑰ PROPOSED SODDING, ITEM AR904510
- ⑱ PROPOSED 4" TOPSOIL, ITEMS AR905510 AND AR905520
- ⑲ PROPOSED STORM SEWER, SEE PLAN AND SCHEDULE
- ⑳ EXISTING AGGREGATE BASE COURSE TO BE REMOVED, PAID UNDER ITEM AR152410
- ㉑ PROPOSED CRUSHED AGGREGATE DRAINAGE LAYER-4", ITEM ARB00961
- ㉒ PROPOSED SEPARATION FABRIC, ITEM AR156513



NOTE:
VEGETATION MUST BE REMOVED AT ALL PROPOSED PAVEMENT AREAS, COST INCIDENTAL TO ITEM AR152410.

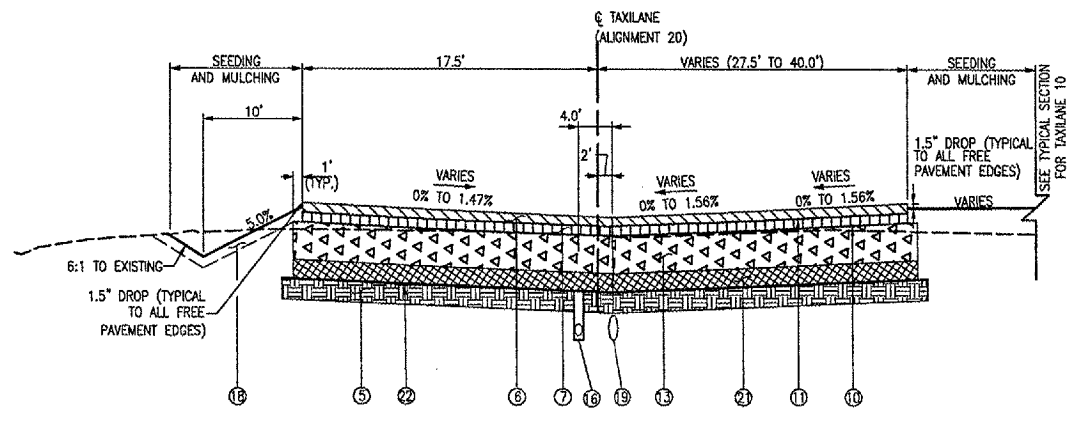
TYPICAL SECTION - TAXILANE 10
(SECTION SHOWN LOOKING SOUTHEAST)



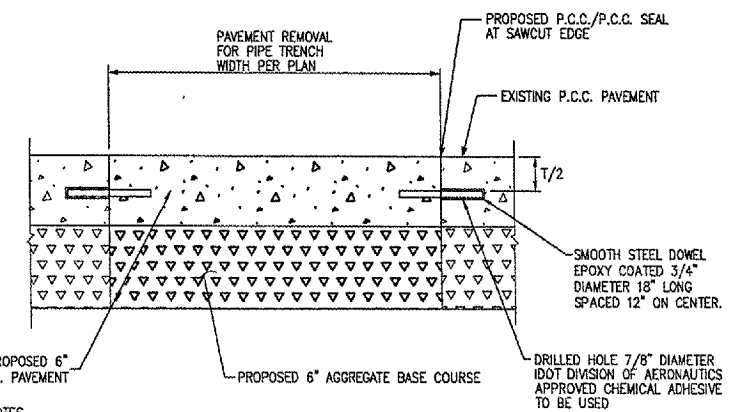
NOTES

- 1. REMOVED BITUMINOUS PAVEMENT AND AGGREGATE BASE TO BE DISPOSED OF AT AN OFFSITE LOCATION, COST INCIDENTAL TO REMOVE AND REPLACE BITUMINOUS PAVEMENT.
- 2. ALL ITEMS ASSOCIATED WITH THE BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT TO BE INCLUDED IN ITEM AR401916 EXCEPT FOR BITUMINOUS PAVEMENT SAWING WHICH IS TO BE PAID AS ITEM AR401665 AND BITUMINOUS/BITUMINOUS SEAL PAID AS ITEM AR401660.

BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT - TYPE B



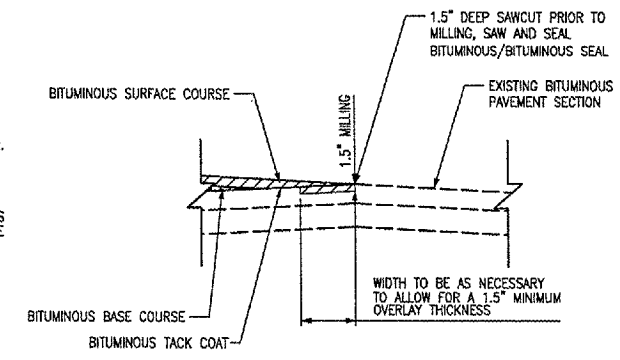
TYPICAL SECTION - TAXILANE 20
(SECTION SHOWN LOOKING SOUTHEAST)



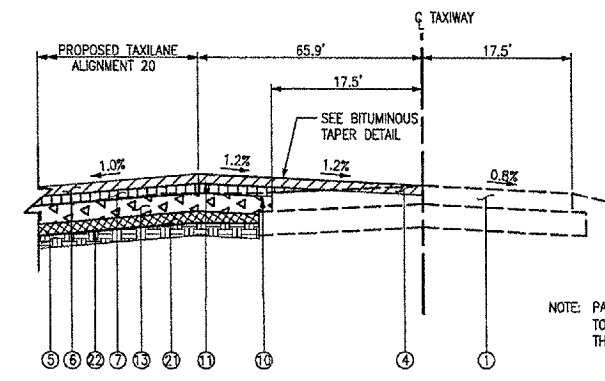
NOTES

- 1. REMOVED P.C.C. PAVEMENT AND AGGREGATE BASE TO BE DISPOSED OF AT AN OFFSITE LOCATION, COST INCIDENTAL TO REMOVE AND REPLACE BITUMINOUS PAVEMENT.
- 2. ALL ITEMS ASSOCIATED WITH THE P.C.C. PAVEMENT REMOVAL AND REPLACEMENT TO BE INCLUDED IN ITEM AR501910 EXCEPT FOR P.C.C. PAVEMENT SAWING WHICH IS TO BE PAID AS ITEM AR501665.
- 3. P.C.C. PAVEMENT JOINTS TO MATCH EXISTING.

P.C.C. PAVEMENT PATCH DETAIL

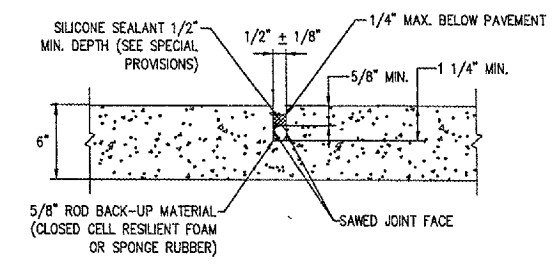


BITUMINOUS TAPER DETAIL



SECTION - SOUTHEAST ACCESS TAXIWAY AT TAXILANE 20 @
(SECTION SHOWN LOOKING EAST)

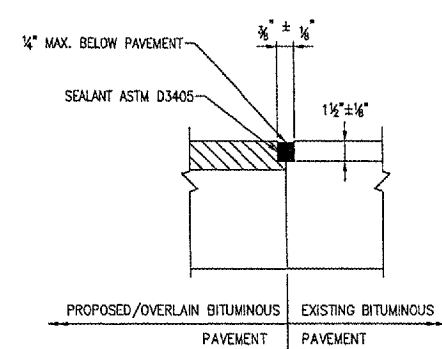
NOTE: PAVEMENT MILLING TO BE AS NECESSARY TO PROVIDE A MINIMUM 1.5" PAVEMENT THICKNESS.



NOTE:

P.C.C. JOINT SEALING FOR PAVEMENT PATCH IS INCIDENTAL TO ITEM AR501910.

P.C.C./P.C.C. SEAL



PROPOSED BITUMINOUS/BITUMINOUS SEAL

No.	Drawing Issue Description	Date	By

Date: _____
Sheet Title: MAY 06, 2005

TYPICAL SECTIONS NEW HANGAR PAVEMENTS

831-04TXD	Project Number
AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	04/07/05
Reviewed By	Date
AAP	
Drawn By	

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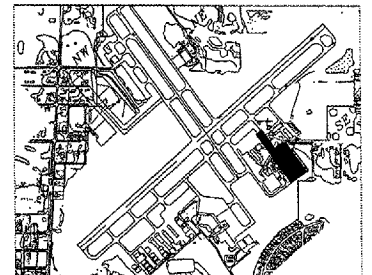


Waukegan Regional Airport
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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
I.L. PROJ.: UGN-3449



KEY MAP

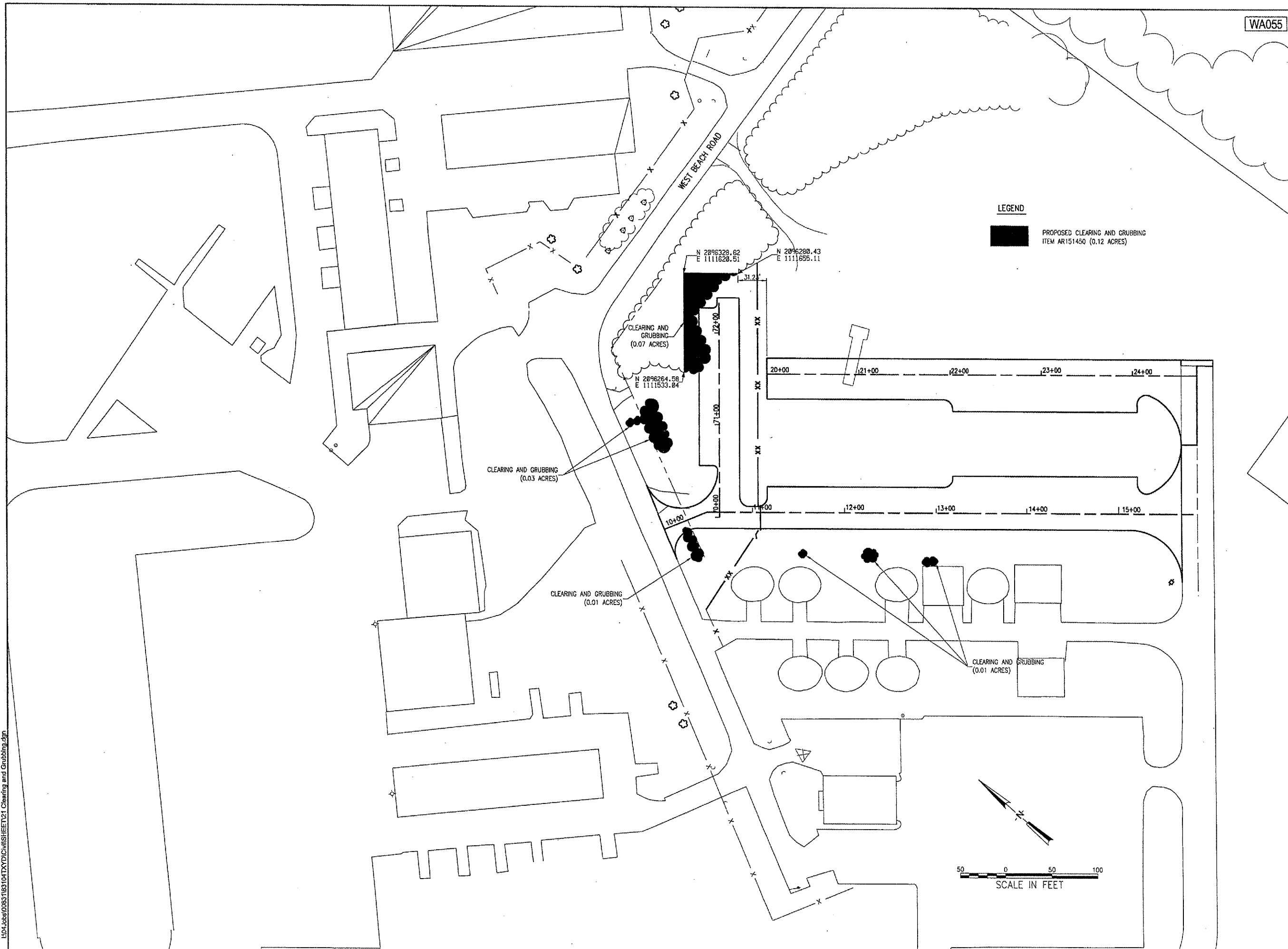
No.	Drawing Issue Description	Date	By

Date

Sheet Title
MAY 06, 2005

**CLEARING AND
GRUBBING PLAN**

831-04TXD	
Project Number	
AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
AAP	
Drawn By	
	Sheet No.



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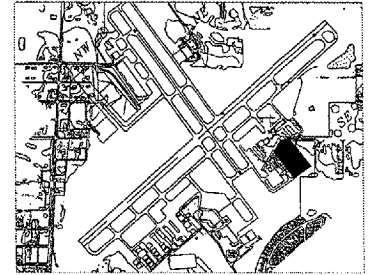
HANSON PROFESSIONAL SERVICES INC.
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Waukegan, Illinois 60087
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
REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



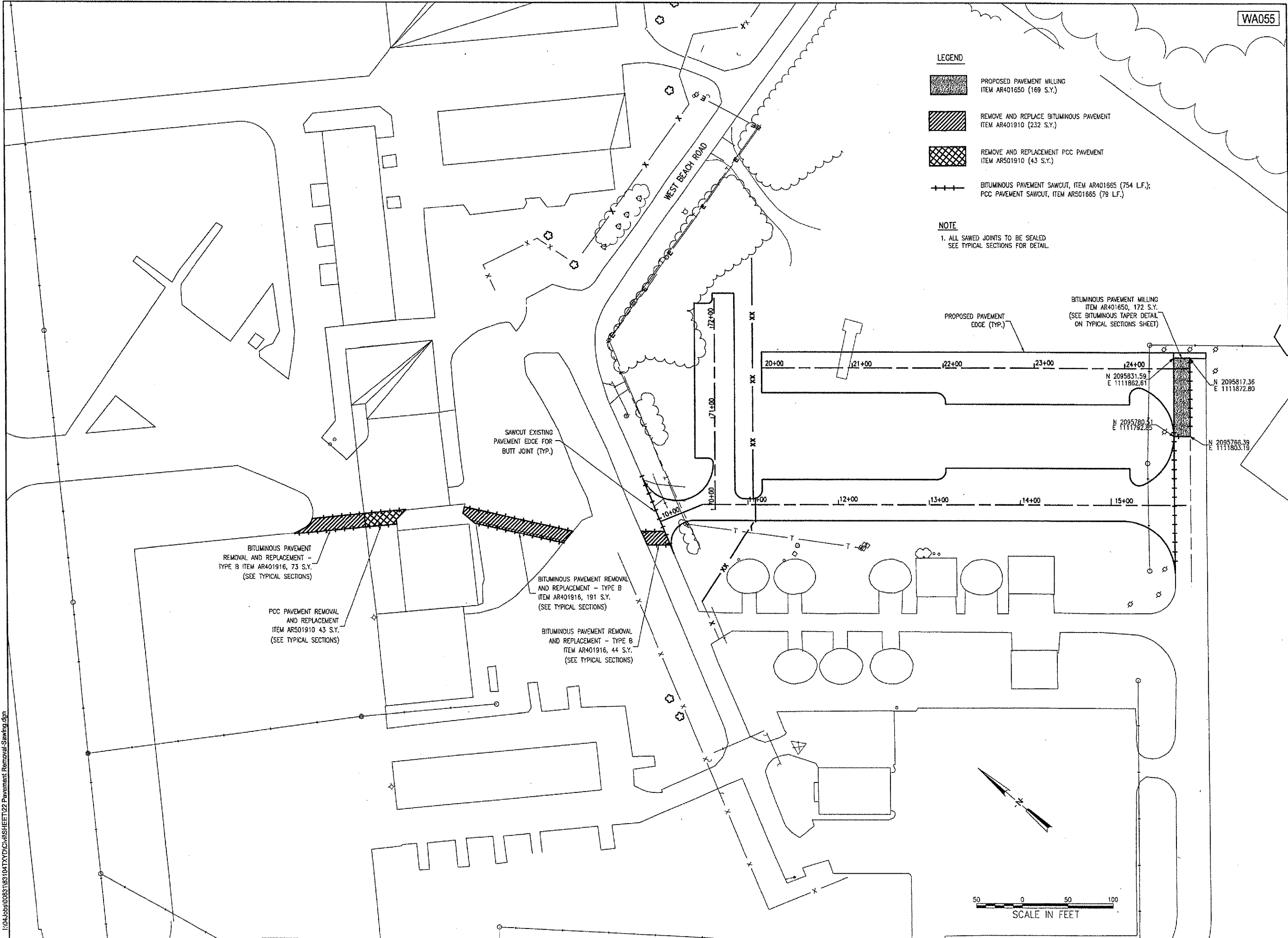
KEY MAP

LEGEND

-  PROPOSED PAVEMENT MILLING
ITEM AR401650 (169 S.Y.)
-  REMOVE AND REPLACE BITUMINOUS PAVEMENT
ITEM AR401910 (232 S.Y.)
-  REMOVE AND REPLACEMENT PCC PAVEMENT
ITEM AR501910 (43 S.Y.)
-  BITUMINOUS PAVEMENT SAWCUT, ITEM AR401865 (754 LF.);
PCC PAVEMENT SAWCUT, ITEM AR501865 (79 LF.)

NOTE

1. ALL SAWED JOINTS TO BE SEALED
SEE TYPICAL SECTIONS FOR DETAIL.



No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

PAVEMENT REMOVAL AND SAWCUTTING PLAN

831-04TXD
Project Number
AAP 02/28/05
Layout By Date
AAP 02/28/05
Designed By Date
TMM 04/07/05
Reviewed By Date
AAP
Drawn By
Sheet No.

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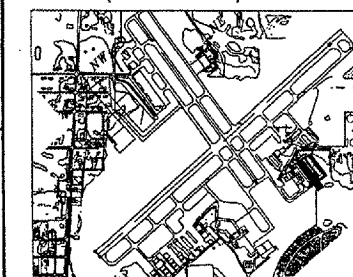
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HANGAR AND TAXIWAY PAVEMENT REHABILITATION, HANGAR SITE PREPARATION, AND SERVICE ROAD OVERLAY

A.I.P. PROJ.: (TO BE ASSIGNED)
I.L. PROJ.: (TO BE ASSIGNED)



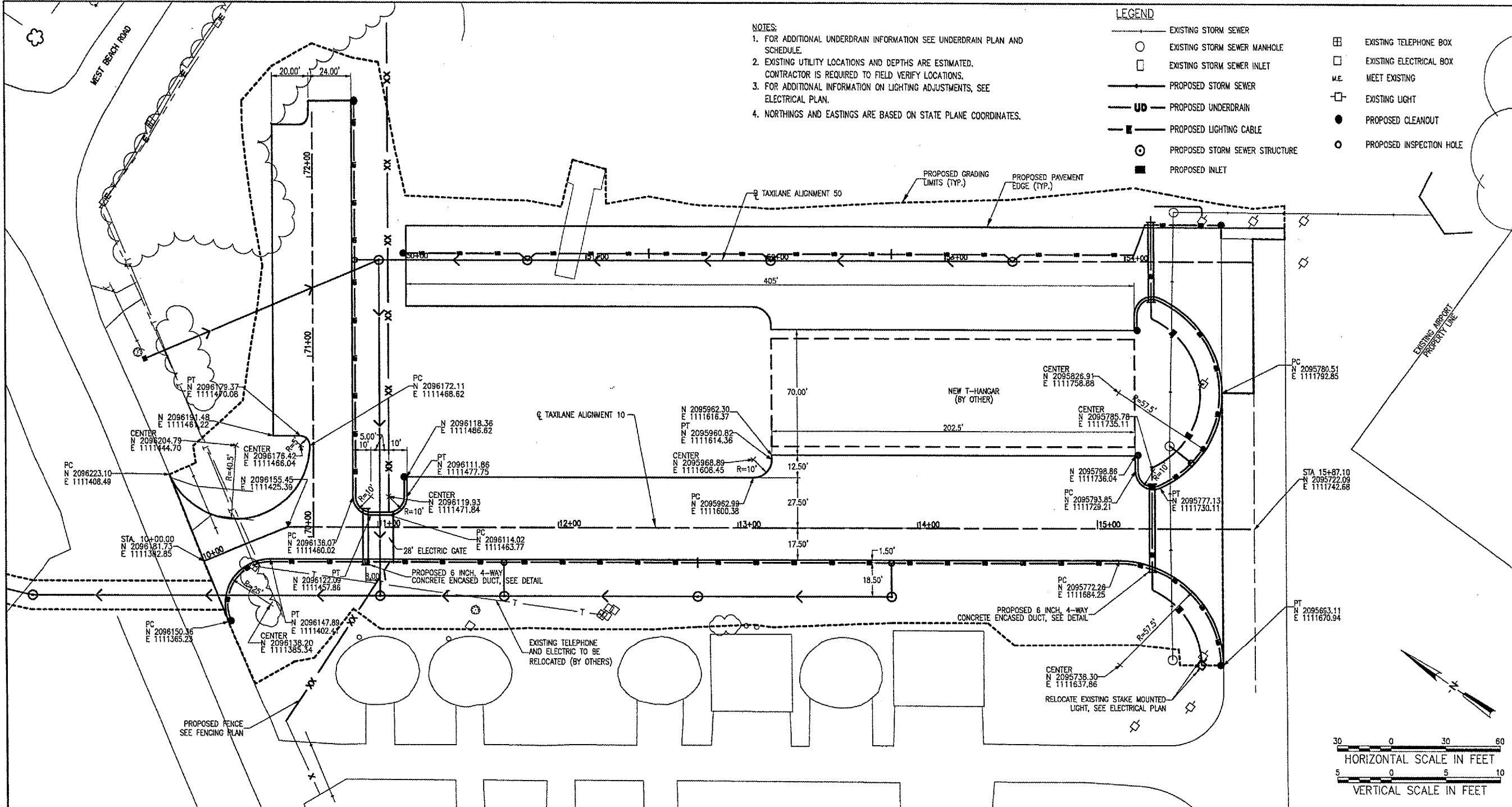
KEY MAP

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title:

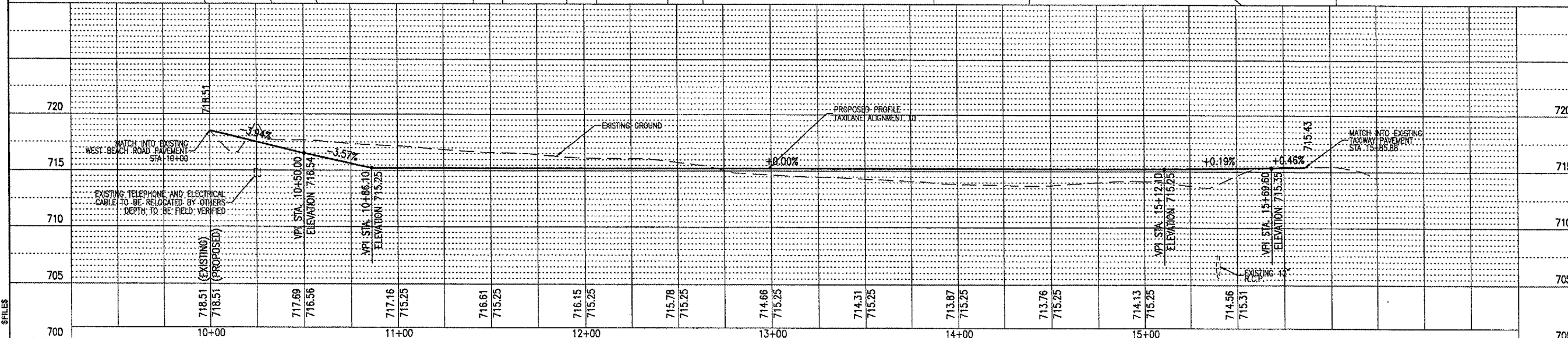
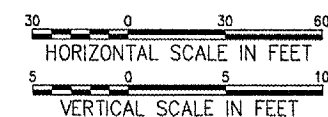
PLAN & PROFILE SHEET TAXILANE ALIGNMENT 10

83104TXVD	
Project Number	
AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	04/07/05
Reviewed By	Date
AAP	
Drawn By	
	Sheet No.

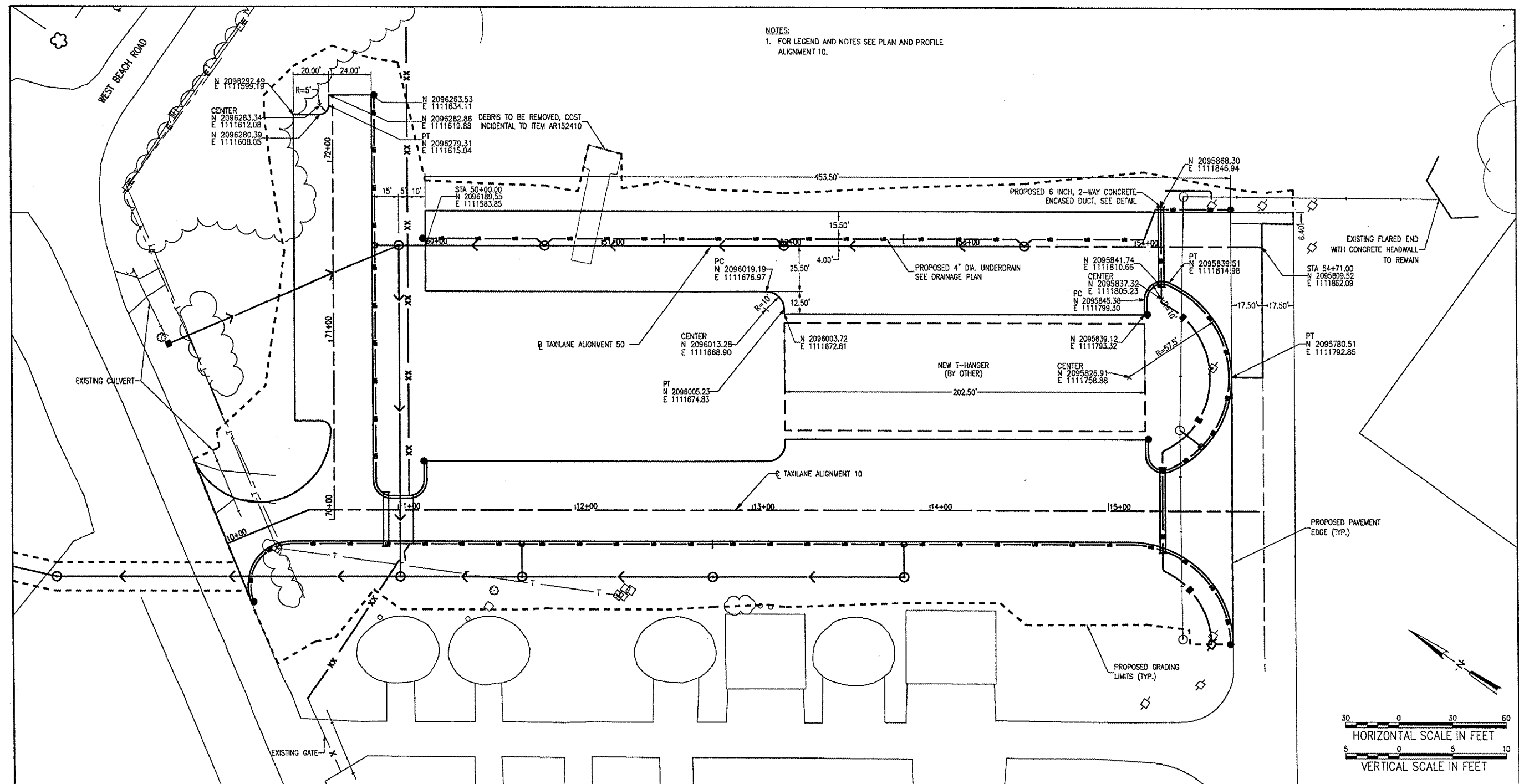


- NOTES:
1. FOR ADDITIONAL UNDERDRAIN INFORMATION SEE UNDERDRAIN PLAN AND SCHEDULE.
 2. EXISTING UTILITY LOCATIONS AND DEPTHS ARE ESTIMATED. CONTRACTOR IS REQUIRED TO FIELD VERIFY LOCATIONS.
 3. FOR ADDITIONAL INFORMATION ON LIGHTING ADJUSTMENTS, SEE ELECTRICAL PLAN.
 4. NORTHINGS AND EASTINGS ARE BASED ON STATE PLANE COORDINATES.

- LEGEND
- EXISTING STORM SEWER
 - EXISTING STORM SEWER MANHOLE
 - EXISTING STORM SEWER INLET
 - PROPOSED STORM SEWER
 - PROPOSED UNDERDRAIN
 - PROPOSED LIGHTING CABLE
 - PROPOSED STORM SEWER STRUCTURE
 - PROPOSED INLET
 - EXISTING TELEPHONE BOX
 - EXISTING ELECTRICAL BOX
 - MEET EXISTING
 - EXISTING LIGHT
 - PROPOSED CLEANOUT
 - PROPOSED INSPECTION HOLE



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NOTES:
1. FOR LEGEND AND NOTES SEE PLAN AND PROFILE ALIGNMENT 10.



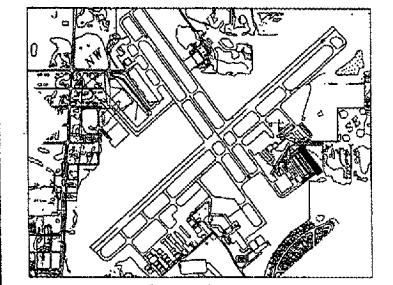
HANSON PROFESSIONAL SERVICES INC.
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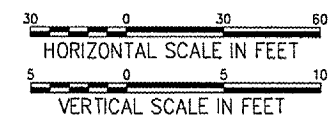
Waukegan Regional Airport
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**HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3448



KEY MAP



Station	Proposed Profile Elevation	Existing Ground Elevation	Grade (%)
50+00	716.32	715.61	+0.70%
50+50	715.59	715.26	+0.70%
51+00	715.13	715.37	+0.70%
51+50	714.95	715.51	-0.70%
52+00	714.95	715.16	-0.70%
52+50	714.67	715.47	-0.70%
53+00	714.16	715.40	-0.70%
53+50	713.84	715.23	-0.70%
54+00	713.40	715.58	-0.59%

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title: PLAN & PROFILE SHEET TAXI LANE ALIGNMENT 50

83104TXD
Project Number
AAP: 02/28/05
Layout By: Dats
AAP: 02/28/05
Designed By: Dats
TMM: 05/05/05
Reviewed By: Date
AAP:
Drawn By: Sheet No. 24

WA055



HANSON PROFESSIONAL SERVICES INC.

815 Commerce Drive, Suite 200
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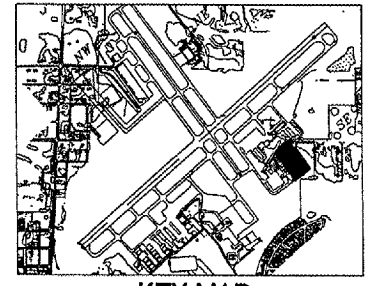


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Waukegan Regional Port District

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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



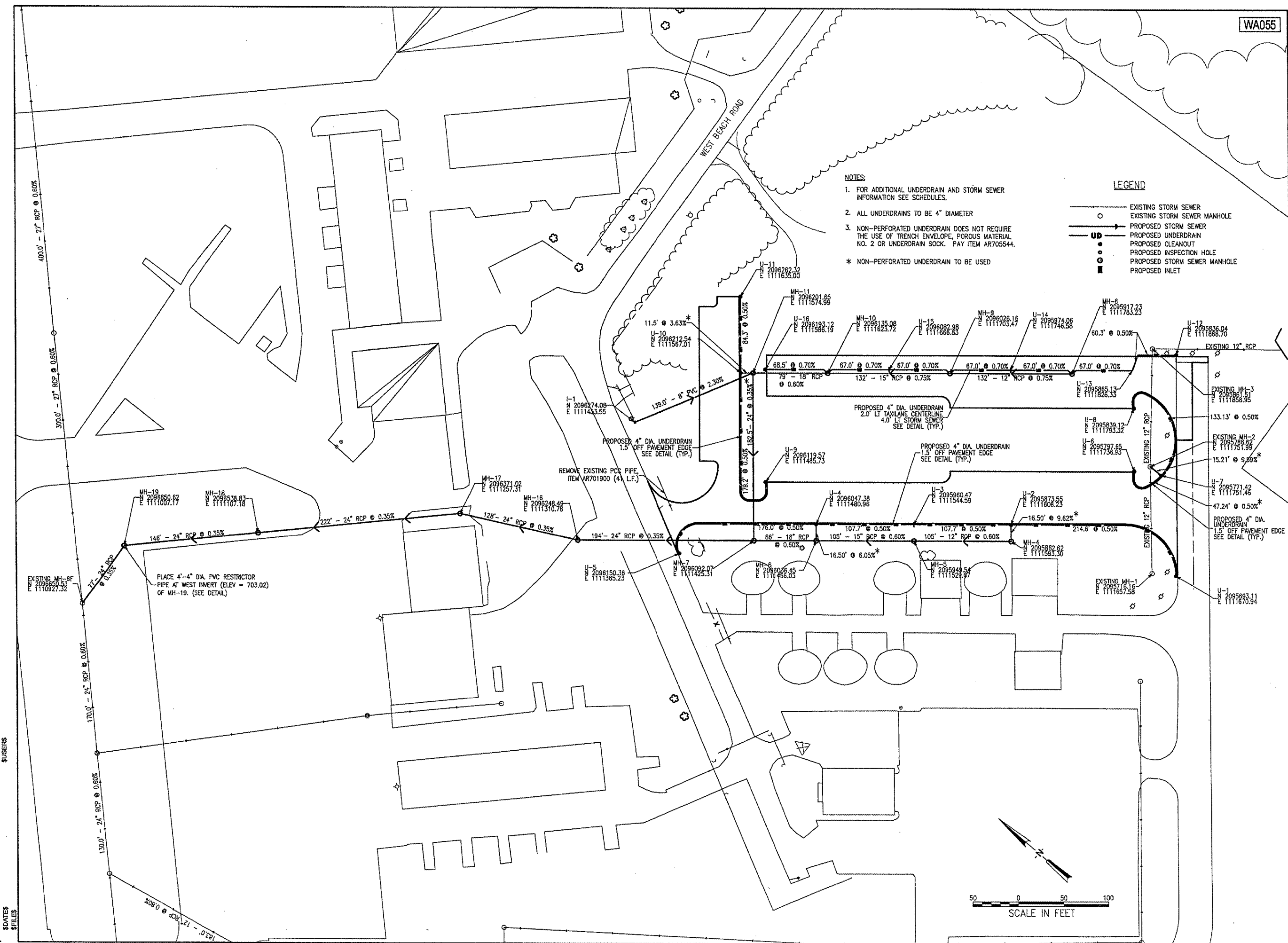
KEY MAP

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

**STORM SEWER AND
UNDERDRAIN PLAN**

831-04TXVD
Project Number
AAP 02/28/05
Layout By Date
AAP 02/28/05
Designed By Date
TMM 05/05/05
Reviewed By Date
AAP
Drawn By Sheet No.



STORM SEWER SCHEDULE

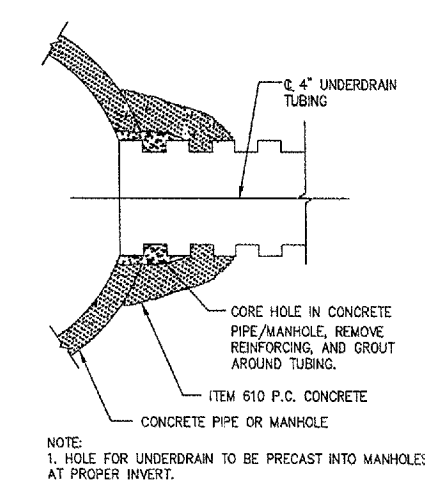
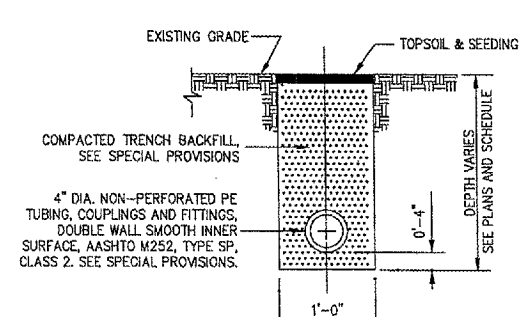
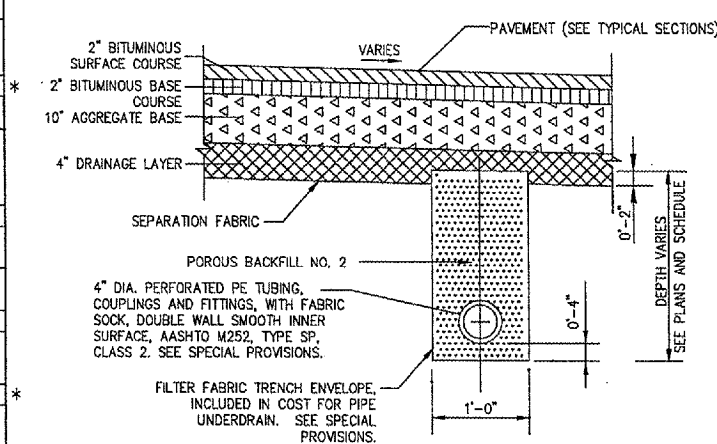
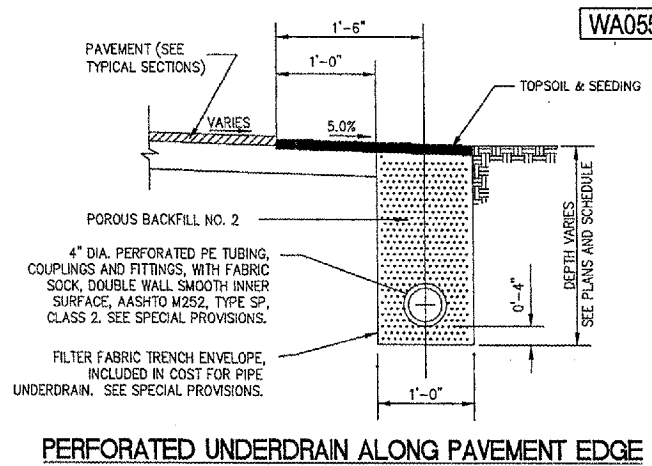
STRUCTURE DATA									SEWER DATA		
STRUCTURE NUMBER	NORTHING	EASTING	STRUCTURE TYPE	FRAME TYPE (EAST JORDAN)	COVER/DATE (EAST JORDAN)	DIAMETER (IN.)	RIM ELEVATION	INVERT ELEVATION	PAY LENGTH (FT.)	SIZE (IN.)	SLOPE %
MH-8	2095917.23	1111783.23	MANHOLE	1585	TYPE 1	48	715.14	NW 711.00	132	12	0.75
MH-9	2096026.16	1111703.47	MANHOLE	1585	TYPE 1	48	715.14	SE 710.01 NW 709.66	132	15	0.75
MH-10	2096135.08	1111623.72	MANHOLE	1585	TYPE 1	48	715.14	SE 708.67 NW 708.32	79	18	0.50
MH-11	2096201.65	1111574.99	MANHOLE	1585	TYPE 1	60	714.13	SE 707.85 SW 707.15	187	24	0.35
MH-7	2096088.82	1111420.88	MANHOLE	1585	TYPE 1	60	713.69	-	139	8" PVC	2.30
I-1	2096274.08	1111453.55	INLET	1020	TYPE M1	24	716.14	SE 714.14			
MH-11	2096201.65	1111574.99	MANHOLE	1585	TYPE 1	60	714.13	SE 707.85 SW 707.15			
MH-4	2095859.38	1111588.86	MANHOLE	1585	TYPE 1	48	712.70	NW 708.90	105	12	0.60
MH-5	2095946.29	1111525.23	MANHOLE	1585	TYPE 1	48	713.11	SE 708.27 NW 707.92	105	15	0.50
MH-6	2096033.20	1111461.59	MANHOLE	1585	TYPE 1	48	713.36	SE 707.29 NW 706.94	66	18	0.60
MH-7	2096088.82	1111420.88	MANHOLE	1585	TYPE 1	60	713.69	SE 706.54 NE 706.50 NW 705.94	194	24	0.35
MH-16	2096247.87	1111304.43	MANHOLE	1585	TYPE 1	60	714.85	SE 705.26 NW 705.11	128	24	0.35
MH-17	2096371.02	1111257.31	MANHOLE	1585	TYPE 1	60	713.89	SE 704.66 NW 703.56	222	24	0.35
MH-18	2096538.83	1111107.18	MANHOLE	1585	TYPE 1	60	711.87	SE 703.78 NW 703.68	146	24	0.35
MH-19	2096650.62	1111007.17	MANHOLE	1585	TYPE 1	60	710.58	SE 703.17 W 703.02	77	24	0.35
EXISTING 6F	2096650.53	1110927.32	EXISTING MANHOLE				708.16	E 702.75 NE 698.50			

** PLACE 4" DIA. PVC RESTRICTOR PIPE AT WEST INVERT (ELEV=703.02) OF MANHOLE MH-19 (SEE DETAIL)

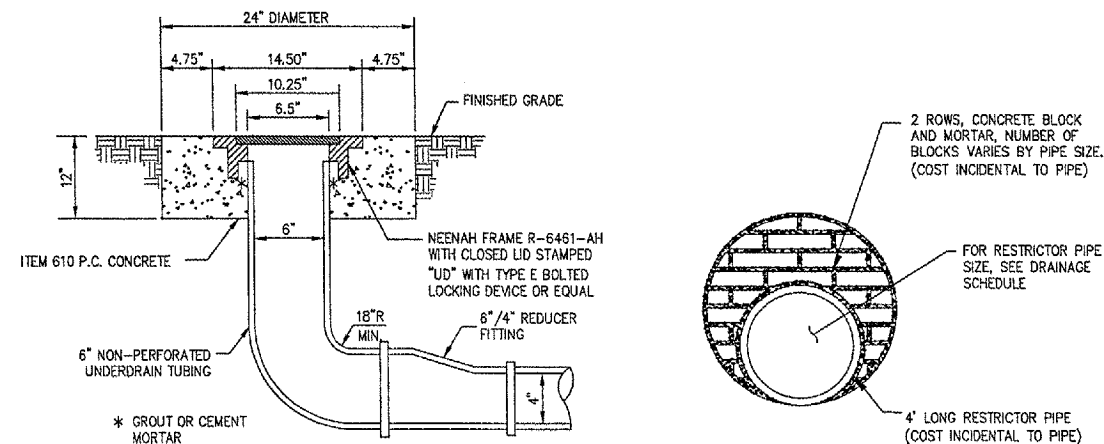
UNDERDRAIN SCHEDULE

STRUCTURE DATA						SEWER DATA	
STRUCTURE NUMBER	NORTHING	EASTING	STRUCTURE TYPE	RIM ELEVATION	INVERT ELEVATION	PAY LENGTH (FT.)	SLOPE %
U-1	2095889.66	1111666.50	CLEANOUT	715.31	NE 713.38	214.5	0.50%
U-2	2095870.31	1111603.79	INSPECTION HOLE	714.79	SW 712.31 SE 712.31 NW 712.31	16.5	9.82% *
MH-4	2095859.38	1111588.86	MANHOLE	712.70	NE 710.53		
U-2	2095870.31	1111603.79	INSPECTION HOLE	714.79	SW 712.31 SE 712.31 NW 712.31	107.7	0.50%
U-3	2095957.22	1111540.16	SLOPE BREAK	714.79	NW 712.85 SE 712.85	107.7	0.50%
U-4	2096044.13	1111476.52	INSPECTION HOLE	714.79	NW 712.31 SW 712.31 SE 712.31	16.5	6.05% *
MH-6	2096033.20	1111461.59	MANHOLE	713.36	NE 711.19		
U-4	2096044.13	1111476.52	INSPECTION HOLE	714.79	NW 712.31 SW 712.31 SE 712.31	176.0	0.50%
U-5	2096145.21	1111362.09	CLEANOUT	717.93	NE 713.18		
U-6	2095789.39	1111725.65	CLEANOUT	715.54	SW 712.82	47.2	0.50%
U-7	2095767.77	1111750.97	INSPECTION HOLE	714.91	N 712.41 E 712.41 W 712.41	16.9	9.59% *
EXISTING 6F	2095786.62	1111751.99	MANHOLE	712.77	S 710.60		
U-7	2095767.77	1111750.97	INSPECTION HOLE	714.91	N 712.41 E 712.41 W 712.41	133.1	0.50%
U-8	2095844.17	1111800.19	CLEANOUT	715.64	NE 713.04	167.0	0.50%
U-9	2096108.28	1111468.10	CLEANOUT	715.41	W 713.29	11.0	3.63% *
U-10	2096212.54	1111567.01	INSPECTION HOLE	715.81	SW 712.45 NE 712.45 SE 712.45	84.3	0.50%
MH-11	2096201.65	1111574.99	MANHOLE	714.13	SW 711.96 NE 711.96		
U-10	2096212.54	1111567.01	INSPECTION HOLE	715.80	SW 712.45 NE 712.45 SE 712.45	60.3	0.50%
U-11	2096262.32	1111635.00	CLEANOUT	715.80	SW 712.87	67.0	0.70%
U-12	2095836.04	1111868.70	CLEANOUT	714.80	NW 713.15	67.0	0.70%
U-13	2095885.13	1111826.33	SLOPE BREAK	-	E 713.45 NW 713.45	67.0	0.70%
MH-8	2095917.23	1111783.23	MANHOLE	715.14	SE 712.97 NW 712.97	67.0	0.70%
U-14	2095974.06	1111746.58	SLOPE BREAK	-	SE 713.45 NW 713.45	67.0	0.70%
MH-9	2096026.16	1111703.47	MANHOLE	715.14	SE 712.97 NW 712.97	67.0	0.70%
U-15	2096082.98	1111666.83	SLOPE BREAK	-	SE 713.45 NW 713.45	67.0	0.70%
MH-10	2096135.08	1111623.72	MANHOLE	715.14	SE 712.97 NW 712.97	68.5	0.70%
U-16	2096193.12	1111586.19	CLEANOUT	715.50	SE 713.48		

* NONPERFORATED TUBING TO BE USED AT MANHOLE CONNECTIONS



NOTE:
1. HOLE FOR UNDERDRAIN TO BE PRECAST INTO MANHOLES AT PROPER INVERT.



NOTE
FRAME AND LID, CONCRETE, 6" NON-PERFORATED TUBING, REDUCER FITTINGS AND ELBOW FITTINGS ARE INCIDENTAL TO CLEANOUT.



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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title:

STORM SEWER, UNDERDRAIN SCHEDULES AND DRAINAGE DETAILS

Project Number	831-04TXD
AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
AAP	
Drawn By	Sheet No.

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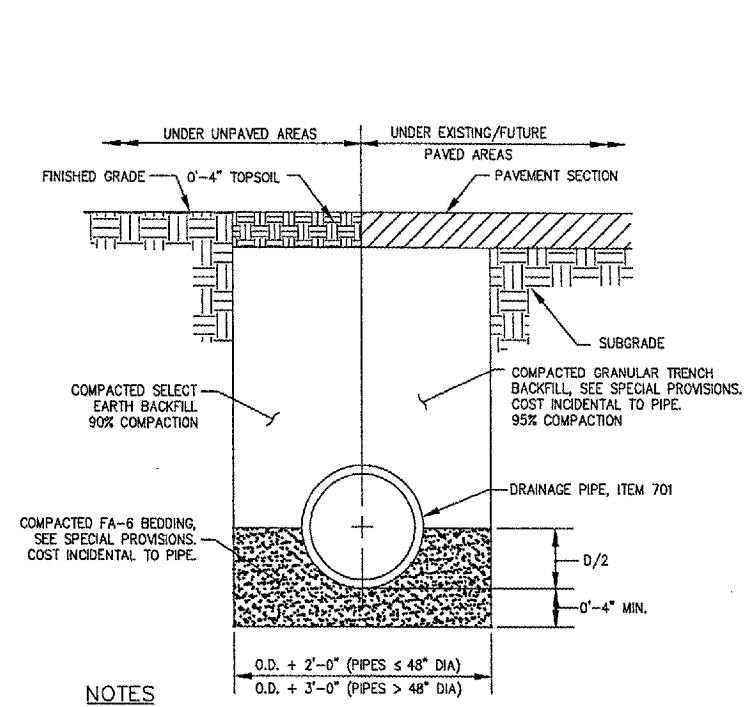
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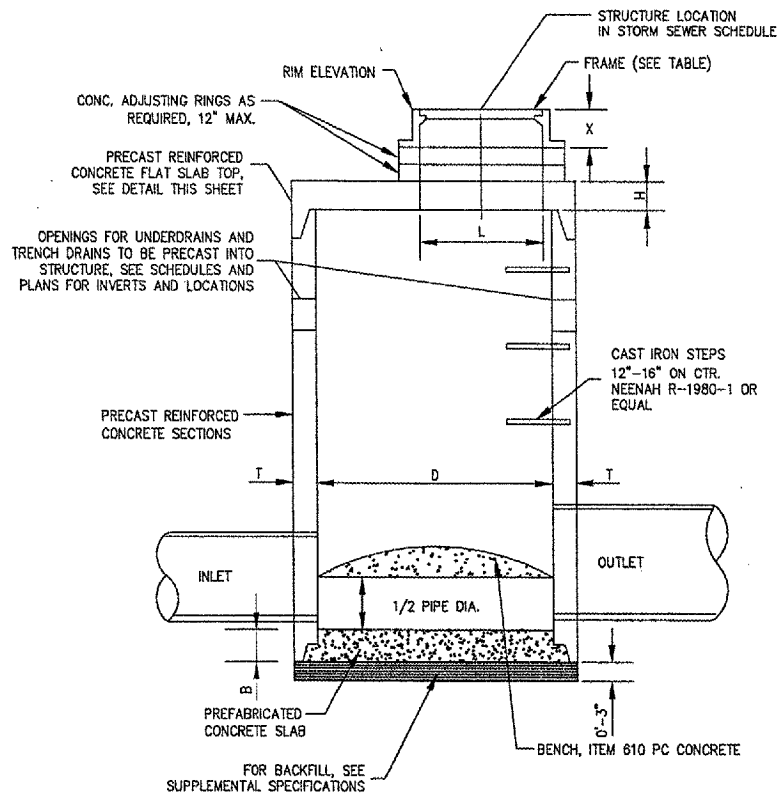
REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
 I.L. PROJ.: UGN-3449

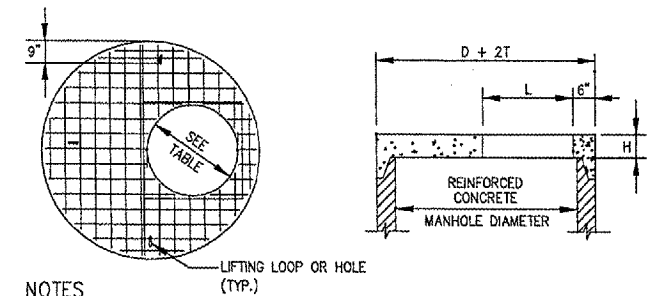


- NOTES**
- UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.
 - WITHIN 3 FEET OF EXISTING AND FUTURE PAVED AREA, GRANULAR BACKFILL IS TO BE USED INSTEAD OF EARTH BACKFILL.

PIPE TRENCH



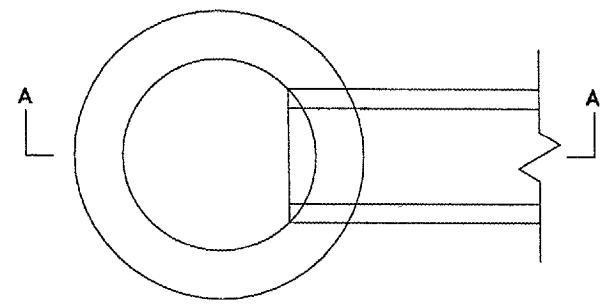
MANHOLE WITH FLAT SLAB TOP
 (IDOT STANDARDS 602406-MODIFIED)



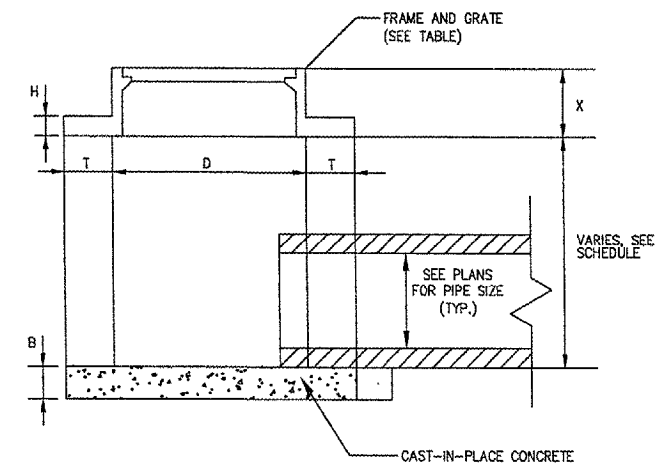
- NOTES**
- ADDITIONAL TOP AND BOTTOM BARS PLACED ADJACENT TO ACCESS HOLE.
 - MINIMUM 1" COVER ON STEEL BARS.
 - THREE LIFTING LOOPS OR HOLES.
 - MINIMUM STEEL REINFORCEMENT IN EACH DIRECTION TO BE WWF 1.06 SQ. IN./FT OR EQUIVALENT, IN ACCORDANCE WITH AASHTO M 199 AND IDOT STANDARDS.
- PRECAST REINFORCED CONCRETE FLAT SLAB TOP**
 (DOT STANDARD 602601)

- NOTES**
- FOR STRUCTURE LOCATIONS SEE STORM SEWER SCHEDULE.
 - FRAME AND GRATE, ADJUSTING RINGS OR RISER SHALL BE MORTARED.
 - IDOT STANDARD 602406-01 MAY BE USED INSTEAD OF THE MANHOLE WITH FLAT SLAB TOP WHERE STRUCTURE HEIGHT IS SUFFICIENT TO MEET THE MINIMUMS FOR THE STANDARD.
 - ALL MANHOLE AND INLET STRUCTURES TO BE PRECAST.
 - CONNECTIONS INCIDENTAL TO UNDERDRAIN.

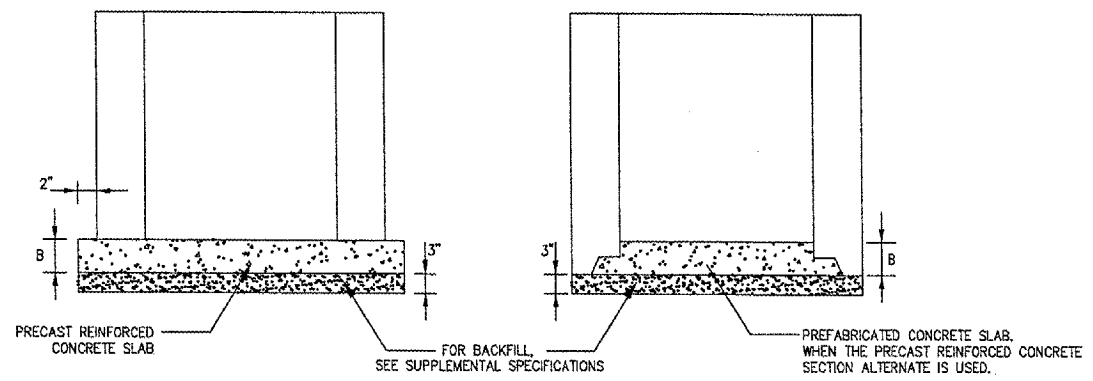
STRUCTURE NUMBER	STRUCTURE TYPE	INSIDE DIA. "D" (IN.)	WALL THICKNESS "T" (IN.)	TOP THICKNESS "H" (IN.)	BOTTOM THICKNESS "B" (IN.)	FRAME HEIGHT "X" (IN.)	HOLE OPENING "L" (IN.)	FRAME TYPE (EAST JORDAN)	COVER/GRATE (EAST JORDAN)
I-1	INLET	24	3	---	4	6	24	1020	TYPE M1
MH-4	MANHOLE	48	5	6	6	8.5	36	1585	TYPE M
MH-5	MANHOLE	48	5	6	6	8.5	36	1585	TYPE M
MH-6	MANHOLE	48	5	8	6	8.5	36	1585	TYPE M
MH-7	MANHOLE	60	5	8	8	8.5	36	1585	TYPE M
MH-8	MANHOLE	48	5	6	6	8.5	36	1585	TYPE M
MH-9	MANHOLE	48	5	6	6	8.5	36	1585	TYPE M
MH-10	MANHOLE	48	5	6	6	8.5	36	1585	TYPE M
MH-11	MANHOLE	60	5	8	8	8.5	36	1585	TYPE M
MH-16	MANHOLE	60	5	8	8	8.5	36	1585	TYPE M
MH-17	MANHOLE	60	5	8	8	8.5	36	1585	TYPE M
MH-18	MANHOLE	60	5	8	8	8.5	36	1585	TYPE M
MH-19	MANHOLE	60	5	8	8	8.5	36	1585	TYPE M



PLAN



SECTION A-A



- NOTES**
- SEE DRAINAGE AND UNDERDRAIN SCHEDULE FOR LOCATION, SIZE AND NUMBER OF PIPE CONNECTIONS.
 - INLETS TO BE PRECAST REINFORCED CONCRETE SECTIONS (T = 3").

INLET TYPE A
 (IDOT STANDARD 602301)

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
 Sheet Title: DRAINAGE DETAILS

DRAINAGE DETAILS

831-04TXD
 Project Number

AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
AAP	
Drawn By	



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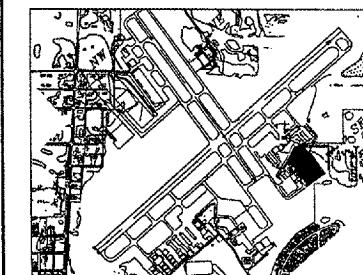
815 Commerce Drive, Suite 200
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Fax: 630.990.3801



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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



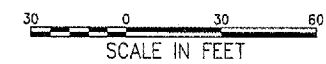
KEY MAP

LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER STRUCTURE
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- NORTHING
- EASTING
- 600.00 PROPOSED ELEVATION
- 599.00 EXISTING ELEVATION
- M.E. MEET EXISTING

NOTES

1. FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.
2. CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
3. ALIGNMENT AND COORDINATES ARE BASED ON STATE PLANE COORDINATES. ENGINEER WILL PROVIDE CONTROL POINTS FOR PROJECT, SEE SPECIAL PROVISIONS



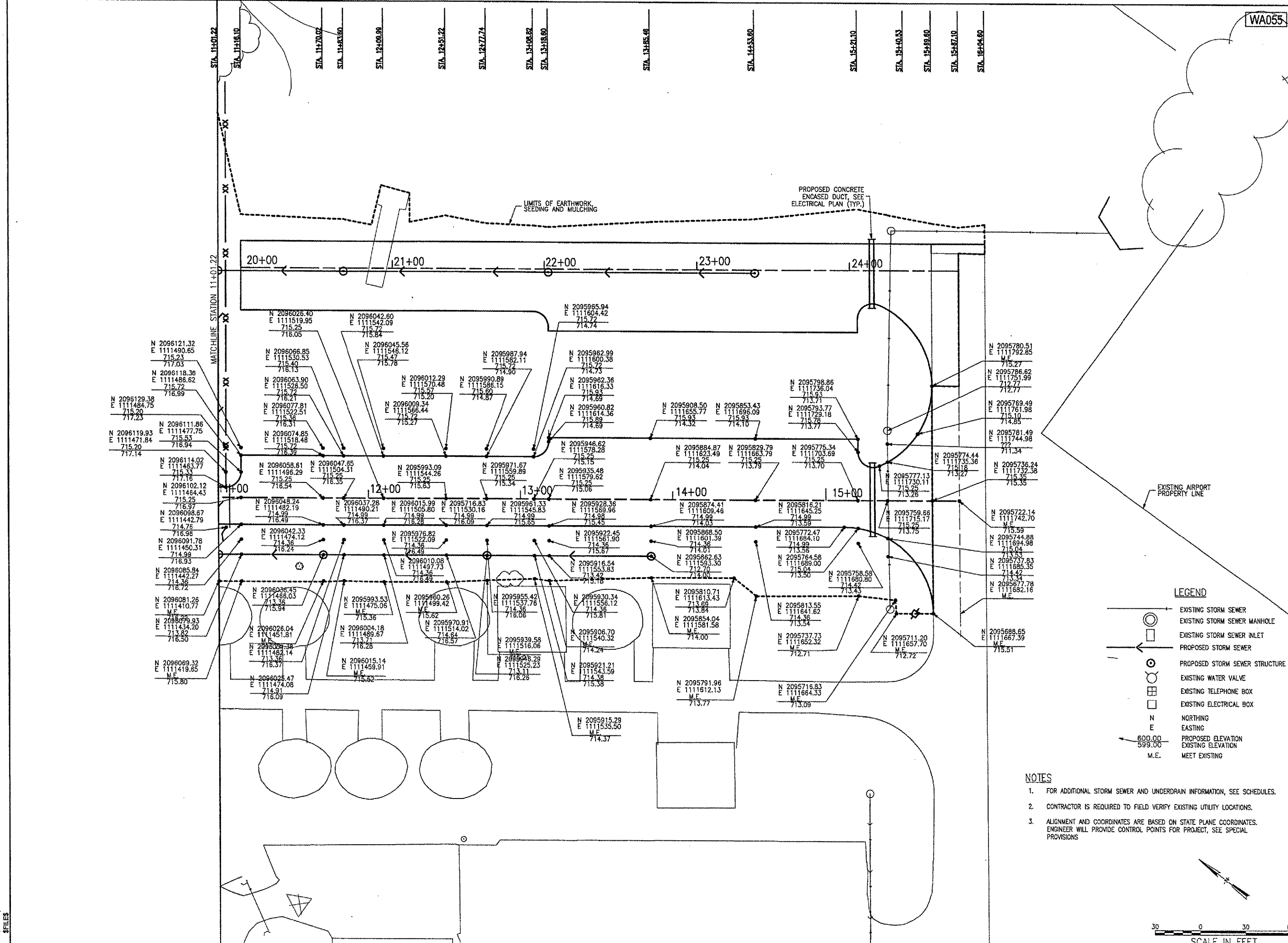
No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title:

**STAKING PLAN
TAXILANE ALIGNMENT 10**

831-04TXD	
Project Number	AAP 02/28/05
Layout By	Data
Designed By	AAP 02/28/05
Reviewed By	Data
Drawn By	TMM 05/05/05
Sheet No.	AAP

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WA055



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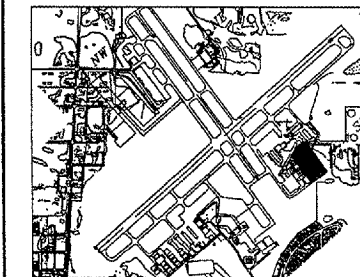


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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
I.L. PROJ.: UGN-3449



KEY MAP

LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER STRUCTURE
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- N
- E
- 600.00 PROPOSED ELEVATION
- 599.00 EXISTING ELEVATION
- M.E. MEET EXISTING

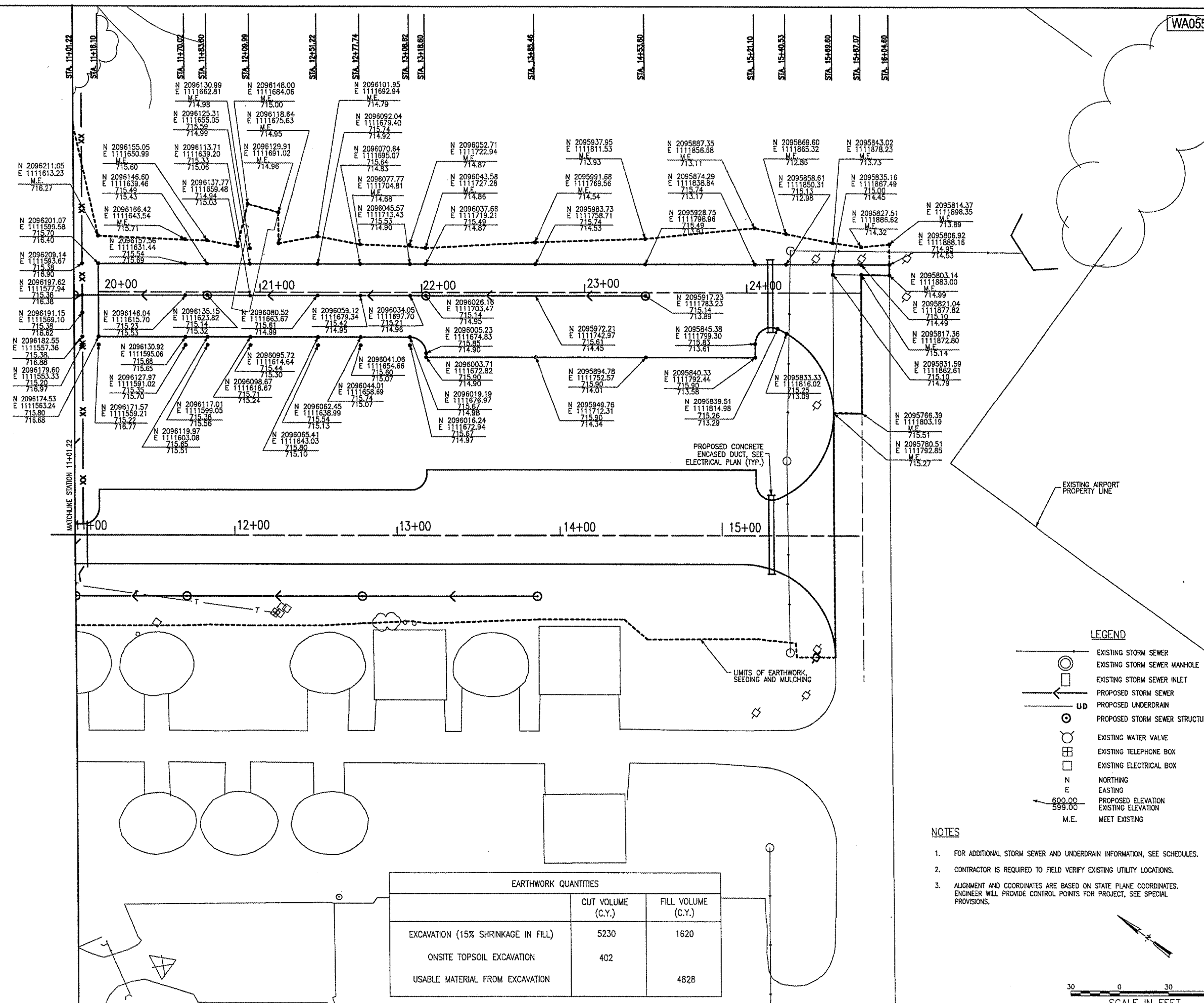
NOTES

1. FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.
2. CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
3. ALIGNMENT AND COORDINATES ARE BASED ON STATE PLANE COORDINATES. ENGINEER WILL PROVIDE CONTROL POINTS FOR PROJECT, SEE SPECIAL PROVISIONS.

EARTHWORK QUANTITIES		
	CUT VOLUME (C.Y.)	FILL VOLUME (C.Y.)
EXCAVATION (15% SHRINKAGE IN FILL)	5230	1620
ONSITE TOPSOIL EXCAVATION	402	
USABLE MATERIAL FROM EXCAVATION		4828



SCALE IN FEET



\$USERS
SFILES

No.	Drawing Issue Description	Date	By

Date
Sheet Title
MAY 06, 2005

STAKING PLAN TAXILANE ALIGNMENT 50

831-04TXD	
Project Number	
AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
AAP	
Drawn By	Sheet No.



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**HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY**

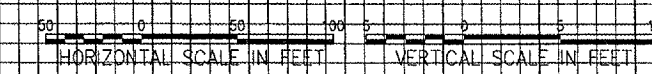
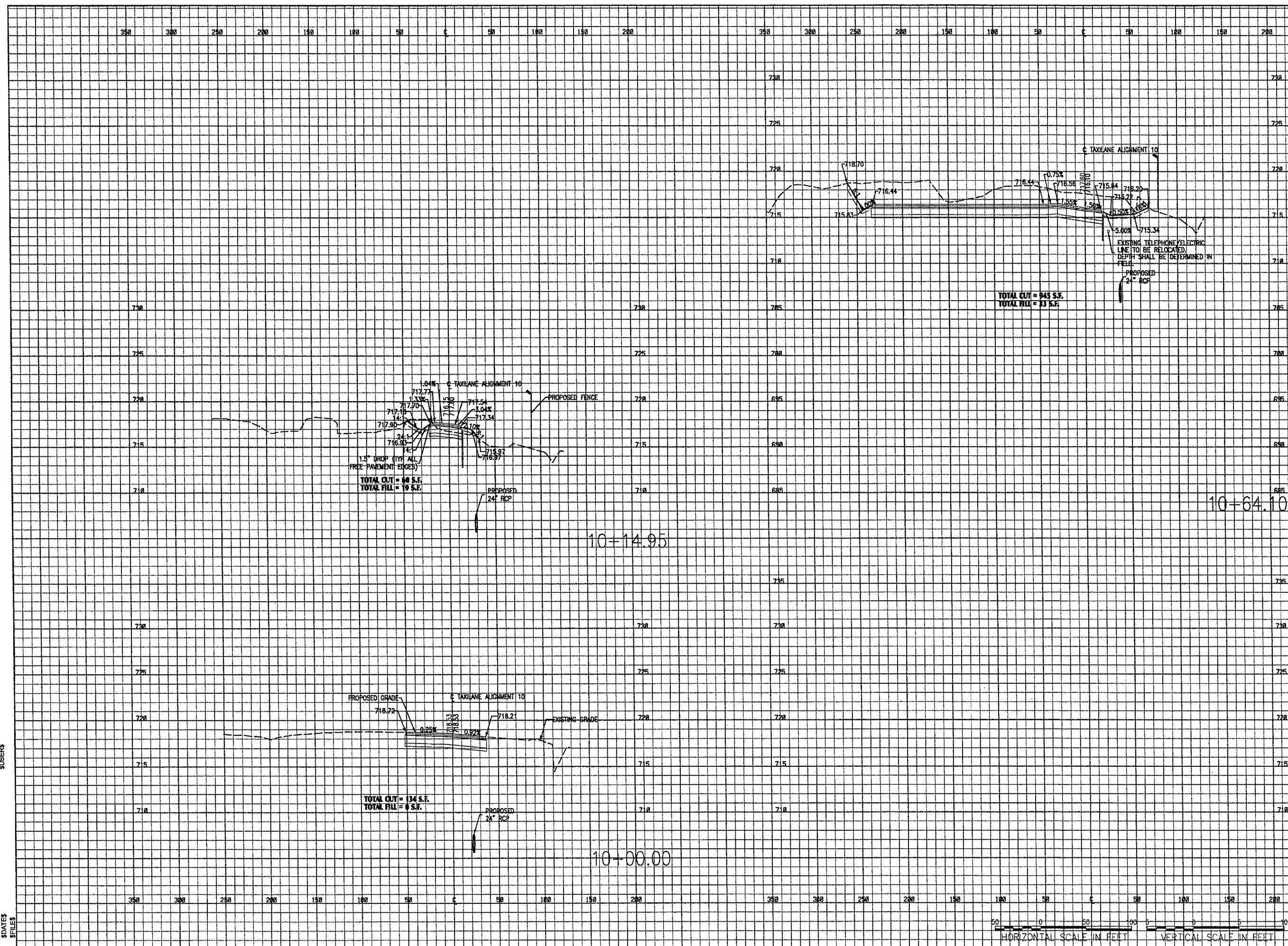
A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

**HANGAR PAVEMENT
CROSS SECTIONS
STA. 10+00 TO 10+64.10**

04WAUKEGAN
Project Number
AAP 02/28/05
Layout By Date
AAP 02/28/05
Designed By Date
TMM 05/05/05
Reviewed By Date
AAP | KLK | -
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**HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date

Sheet Title

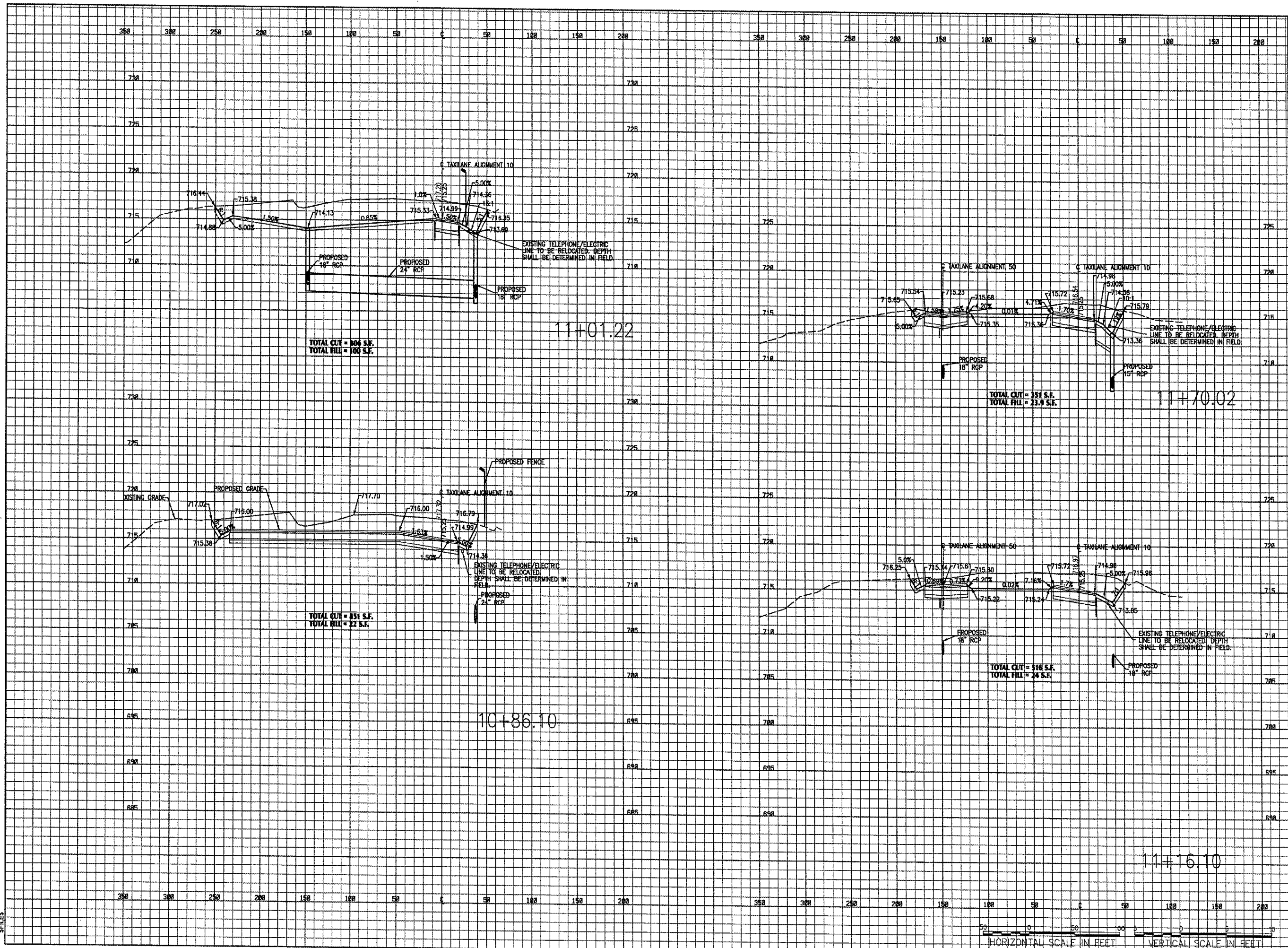
MAY 06, 2005

**HANGAR PAVEMENT
CROSS SECTIONS
STA. 10+86.10 TO 11+70.02**

D4WAWKEGAN

Project Number	
AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
AAP	KLK
Drawn By	

Sheet No.



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HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET



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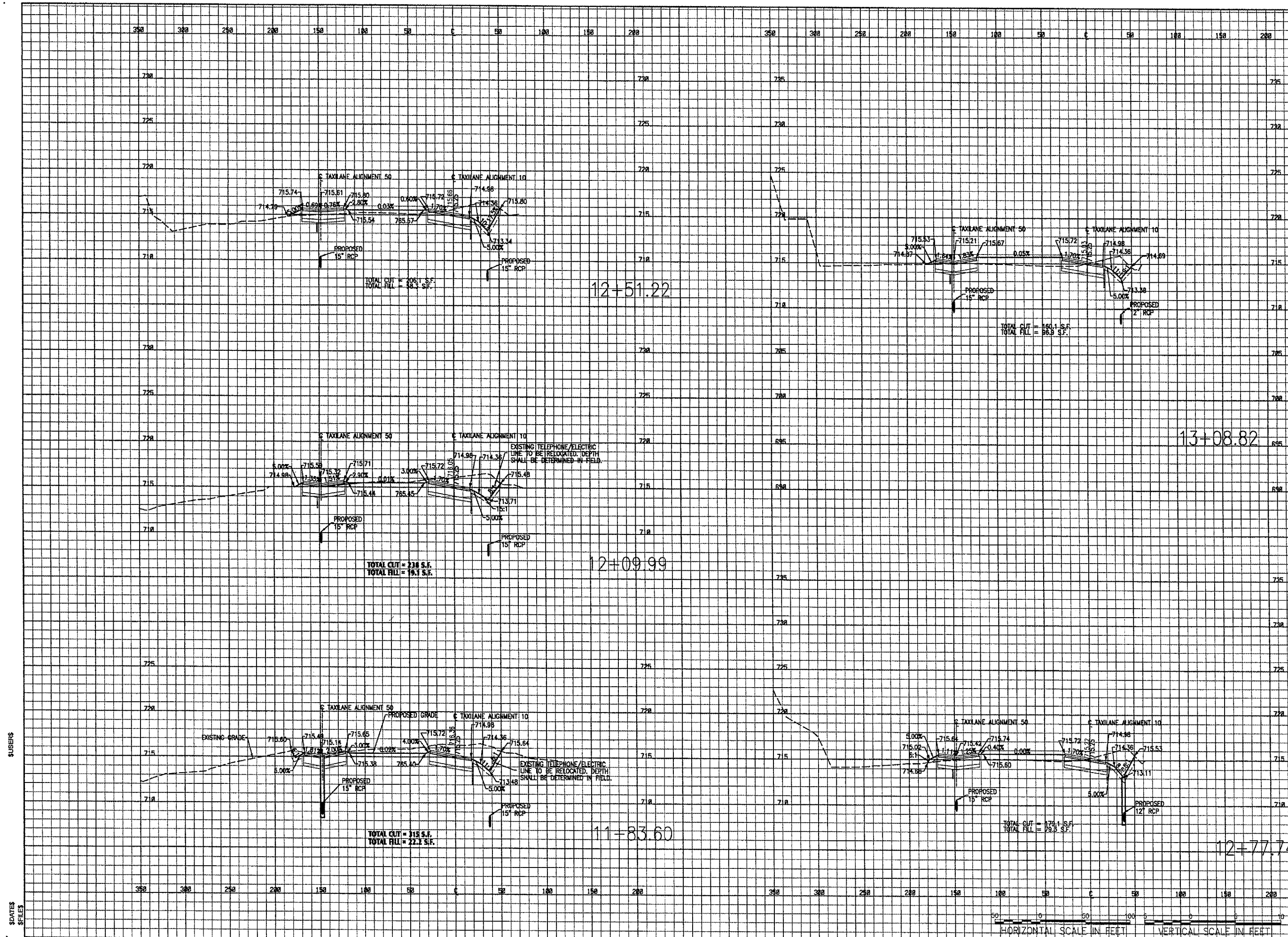


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HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



No.	Drawing Issue Description	Date	By

Date MAY 06, 2005
Sheet Title

HANGAR PAVEMENT
CROSS SECTIONS
STA. 11+83.60 TO 13+08.82

04WAUKEGAN	
Project Number	
MAP	02/28/05
Layout By	Date
MAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
MAP	KLK
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HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET

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**HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date

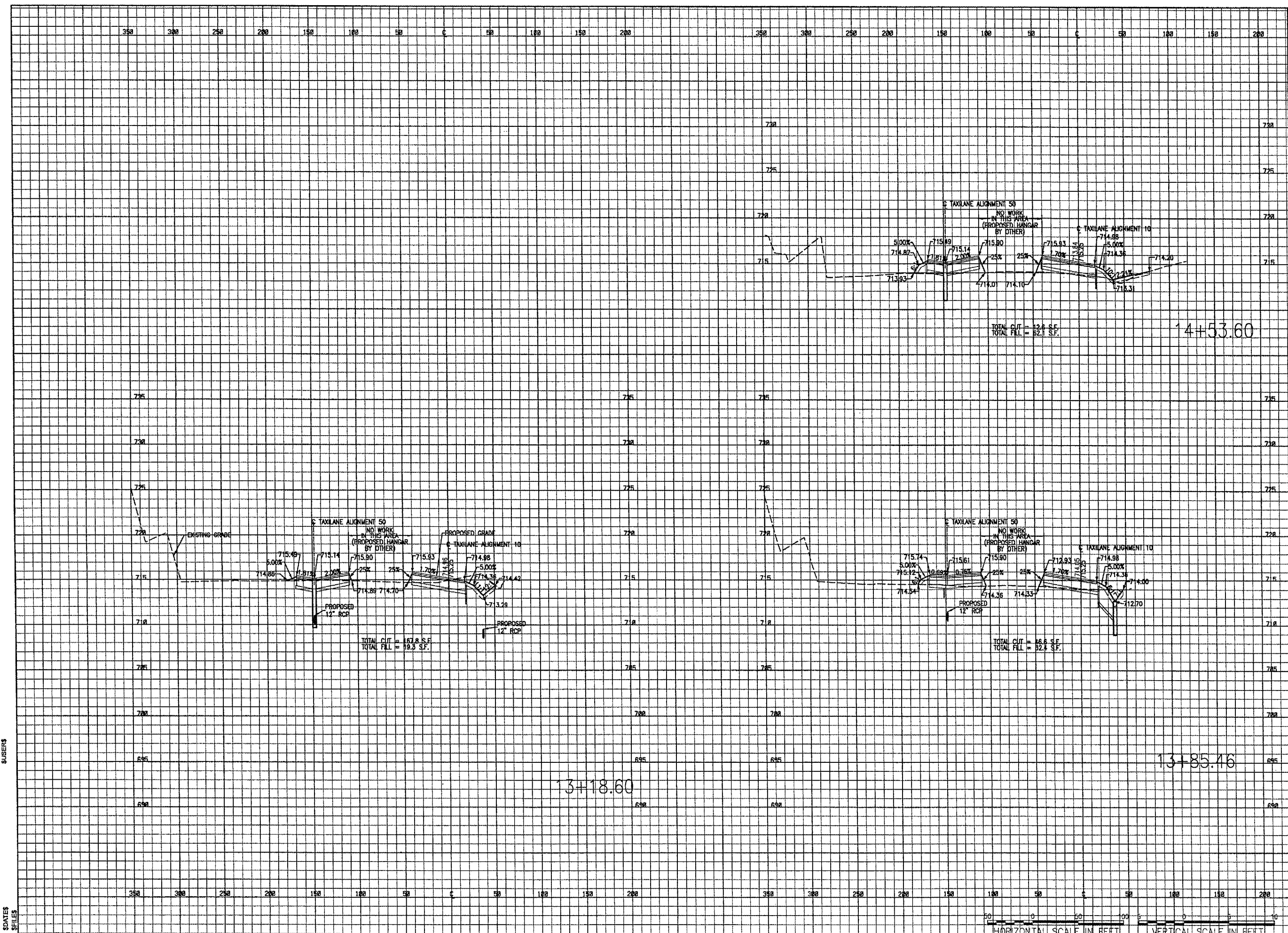
Sheet Title

MAY 06, 2005

Sheet Title

**HANGAR PAVEMENT
CROSS SECTIONS
STA. 13+18.60 TO 14+53.60**

04WAUKEGAN	
Project Number	
AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
AAP	KLK
Drawn By	
	Sheet No.



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**HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY**

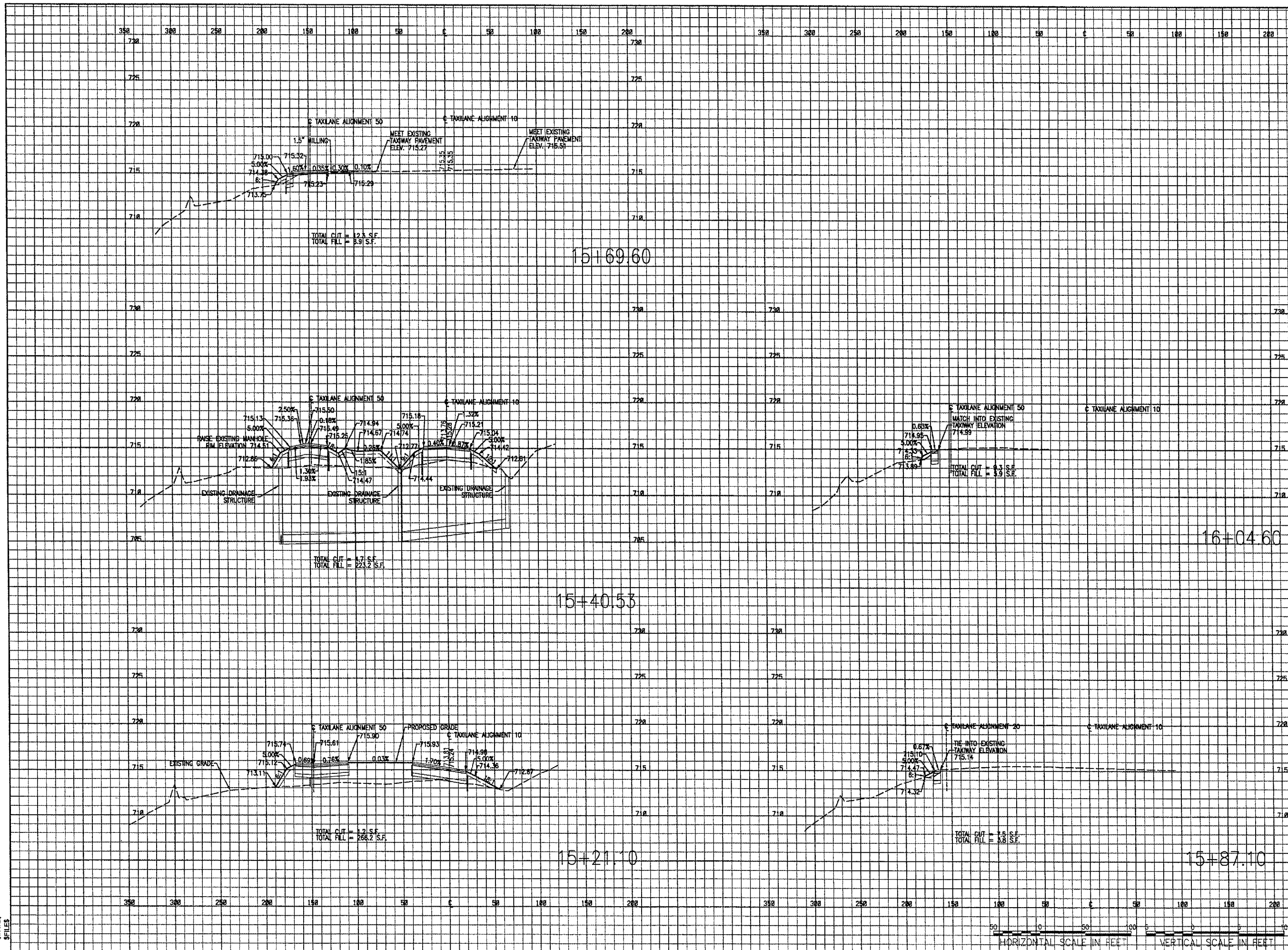
A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title:

**HANGAR PAVEMENT
CROSS SECTIONS
STA. 15+21.10 TO 16+04.60**

04WAUKEGAN
Project Number
AAP 02/28/05
Layout By Date
AAP 02/28/05
Designed By Date
TJM 05/05/05
Reviewed By Date
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HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

05/06/2005, 04:10 PM
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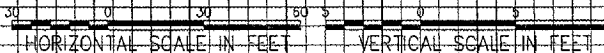
No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005

Sheet Title

PARKING LOT
CROSS SECTIONS
STA. 70+05.50 TO 71+25.00

04WAUKEGAN	
Project Number	
AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
AAP	KLK
Drawn By	---
Sheet No.	





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HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

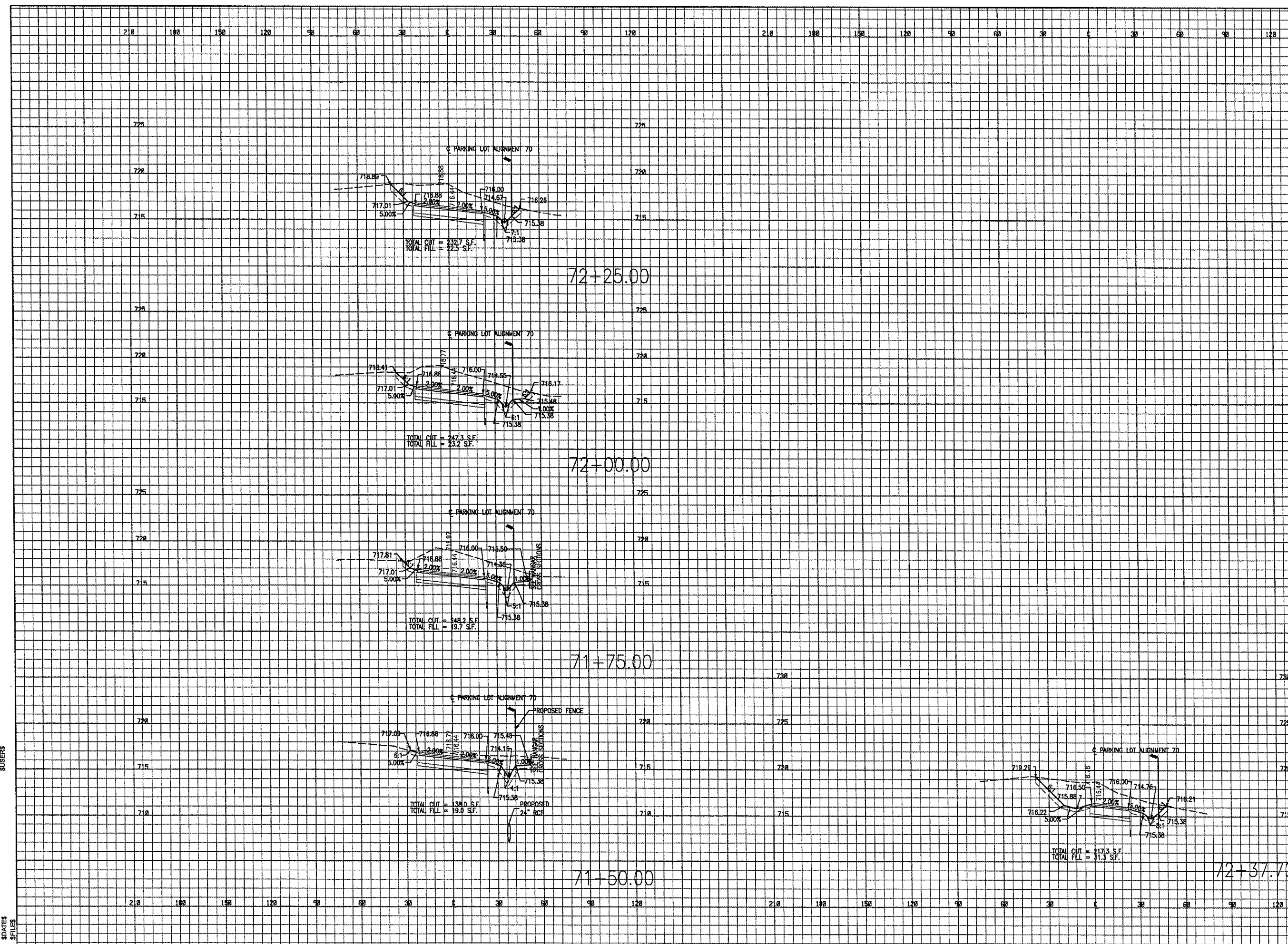
Date
MAY 06, 2005
Sheet Title

PARKING LOT
CROSS SECTIONS
STA. 71+50.00 TO 72+37.70

04WAUKEGAN
Project Number

AAP	02/28/05
Layout By	Date
AAP	02/28/05
Designed By	Date
TMM	05/05/05
Reviewed By	Date
AAP	KLK
Drawn By	

Sheet No.



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LEGEND

PROPOSED 12" YELLOW MARKINGS (EPOXY)



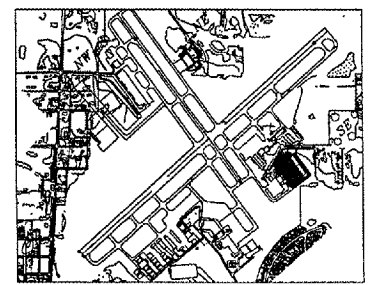
HANSON PROFESSIONAL SERVICES INC.
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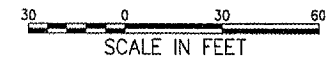
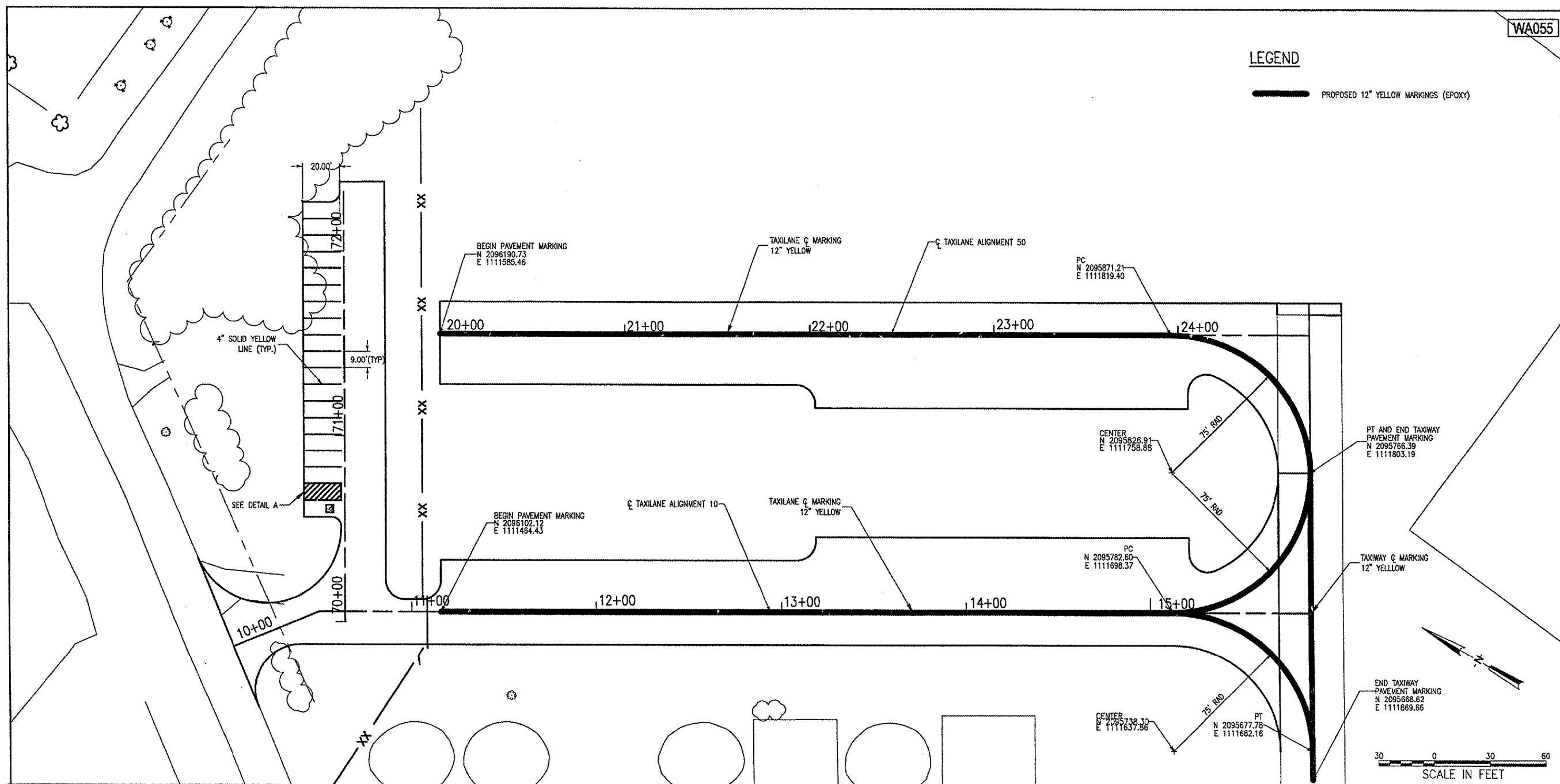
Waukegan Regional Airport
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
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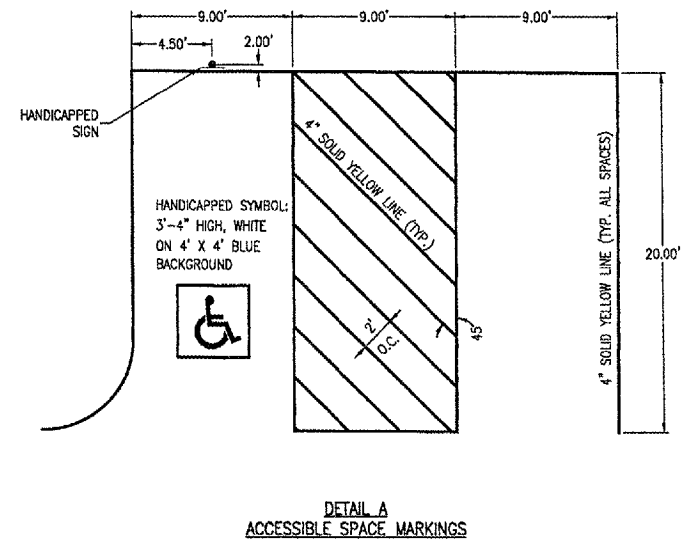
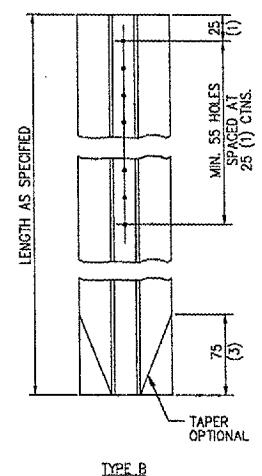
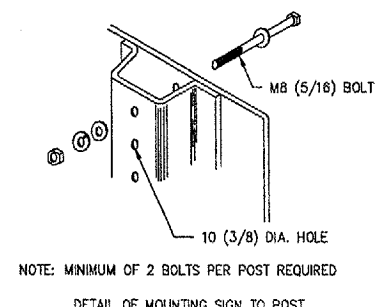
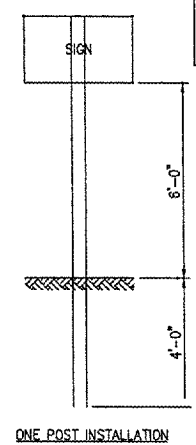
KEY MAP



NOTES:

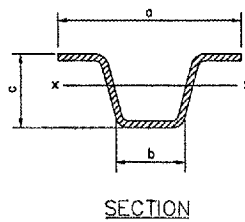
- DIMENSIONS FOR CROSS SECTIONS ARE MINIMUM.
- Sx-x IS THE MINIMUM SECTION MODULUS ABOUT THE X-X AXIS OF THE POST AS SHOWN. FOR POST IN WHICH HOLES ARE PUNCHED OR DRILLED FOR MORE THAN HALF THEIR LENGTH, Sx-x SHALL BE COMPUTED FOR THE NEXT SECTION.
- SOIL PRESSURE: MINIMUM ALLOWABLE SOIL PRESSURE = 1.25 TSF (120 KLA).
- ALL HOLES ARE 3/8" (10mm) IN DIAMETER.
- LOADING FOR 60 MPH (95 km/h) WIND VELOCITY WITH 30% GUST FACTOR, NORMAL TO SIGN.
- MATERIALS: POST SHALL BE STRUCTURAL STEEL-BREAKAWAY CONFORMING WITH THE REQUIREMENTS OF SECTION 1093.01 OF THE IDOT SPECIFICATIONS. BOLTS, NUTS AND WASHERS SHALL BE HIGH-STRENGTH STEEL, GALVANIZED AND SHALL CONFORM TO SECTION 1006.08 OF THE IDOT SPECIFICATIONS.
- IN AREAS WHERE POSTS PENETRATE PAVEMENT, THE PAVEMENT SHALL BE CORED. AFTER THE POST IS SET, THE HOLE SHALL BE GROUTED WITH AN IDOT APPROVED NON-SHRINK GROUT. COST INCIDENTAL TO SIGN.

	a	b	c	Sx-x mm ³ (in. ³)	kg/m (lbs./ft.)
TYPE B STEEL	81 (3 3/16)	32 (1 1/4)	38 (1 1/2)	5,598 (0.341)	4.46 (3.00)
ALUMINUM	118 (4 5/8)	57 (2 1/4)	60 (2 3/8)	14,552 (0.888)	1.93 (1.30)



NOTES

- ALL WHITE AND YELLOW PAVEMENT MARKINGS TO INCLUDE REFLECTIVE GLASS SPHERES.
- ALL MARKINGS ARE TO BE EPOXY PAINT.



SECTION

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
 Sheet Title

PAVEMENT MARKING PLAN AND SIGNING DETAILS

831-04TXD
 Project Number
 AAP 02/28/05
 Layout By Date
 AAP 02/28/05
 Designed By Date
 TMM 05/05/05
 Reviewed By Date
 AAP
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STATES FILES



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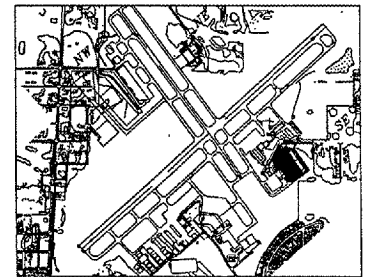
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Telephone: 630.990.3800
Fax: 630.990.3801



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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
I.L. PROJ.: UGN-3449



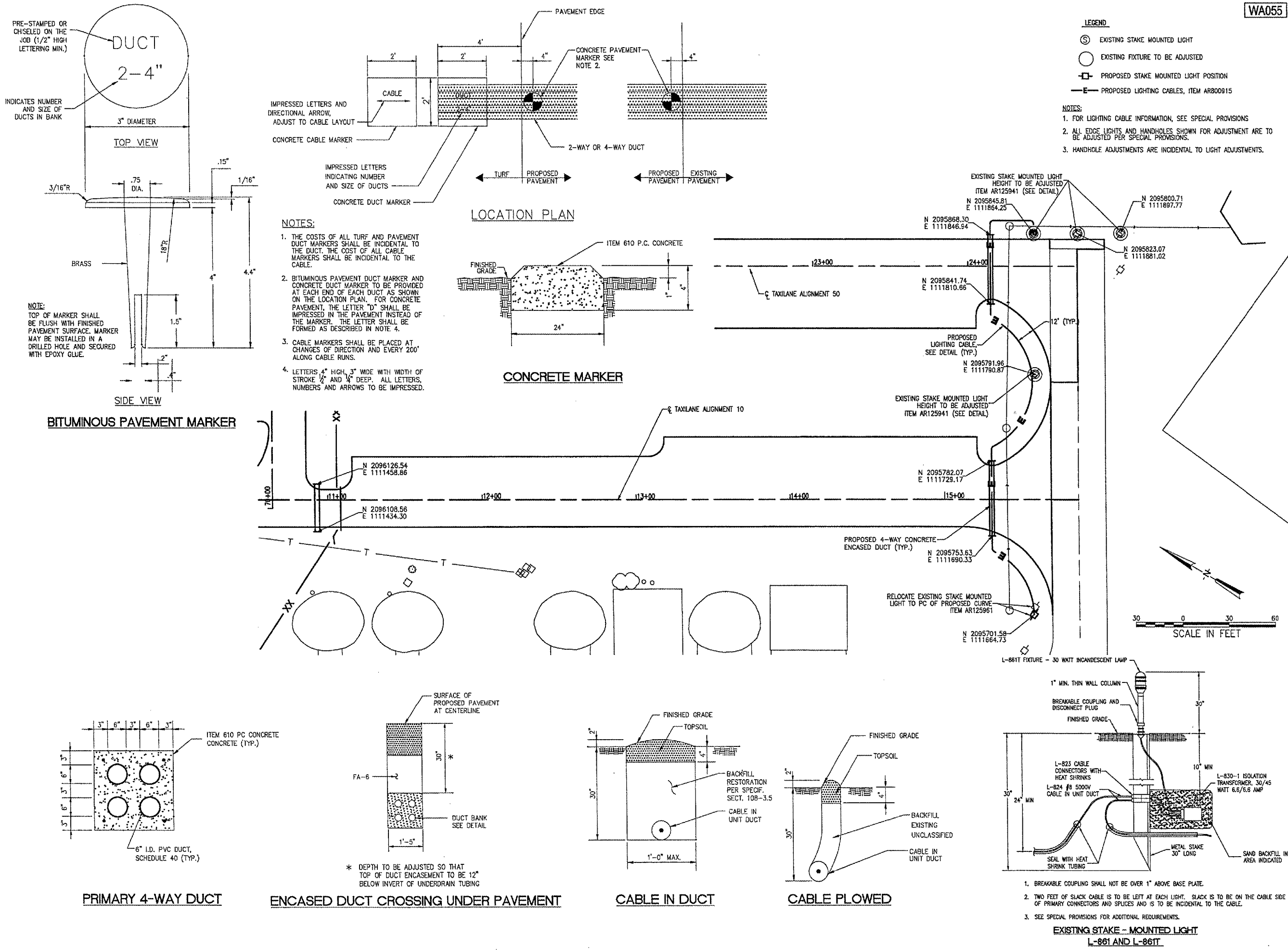
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No.	Drawing Issue Description	Date	By

Date: **MAY 06, 2005**
Sheet Title

ELECTRICAL PLAN AND DETAIL

831-04TXD
Project Number
AAP 02/28/05
Layout By Date
AAP 02/28/05
Designed By Date
TMM 05/05/05
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AAP
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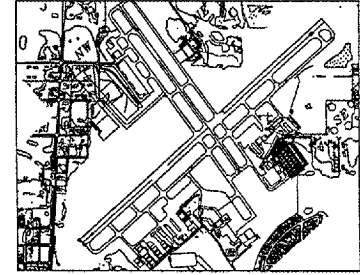
HANSON PROFESSIONAL SERVICES INC.
815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
Telephone: 630.990.3800
Fax: 630.990.3801



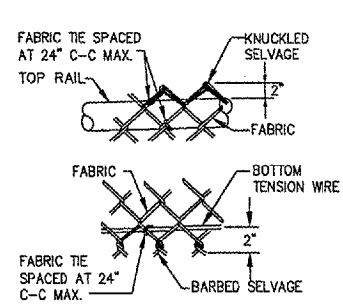
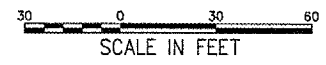
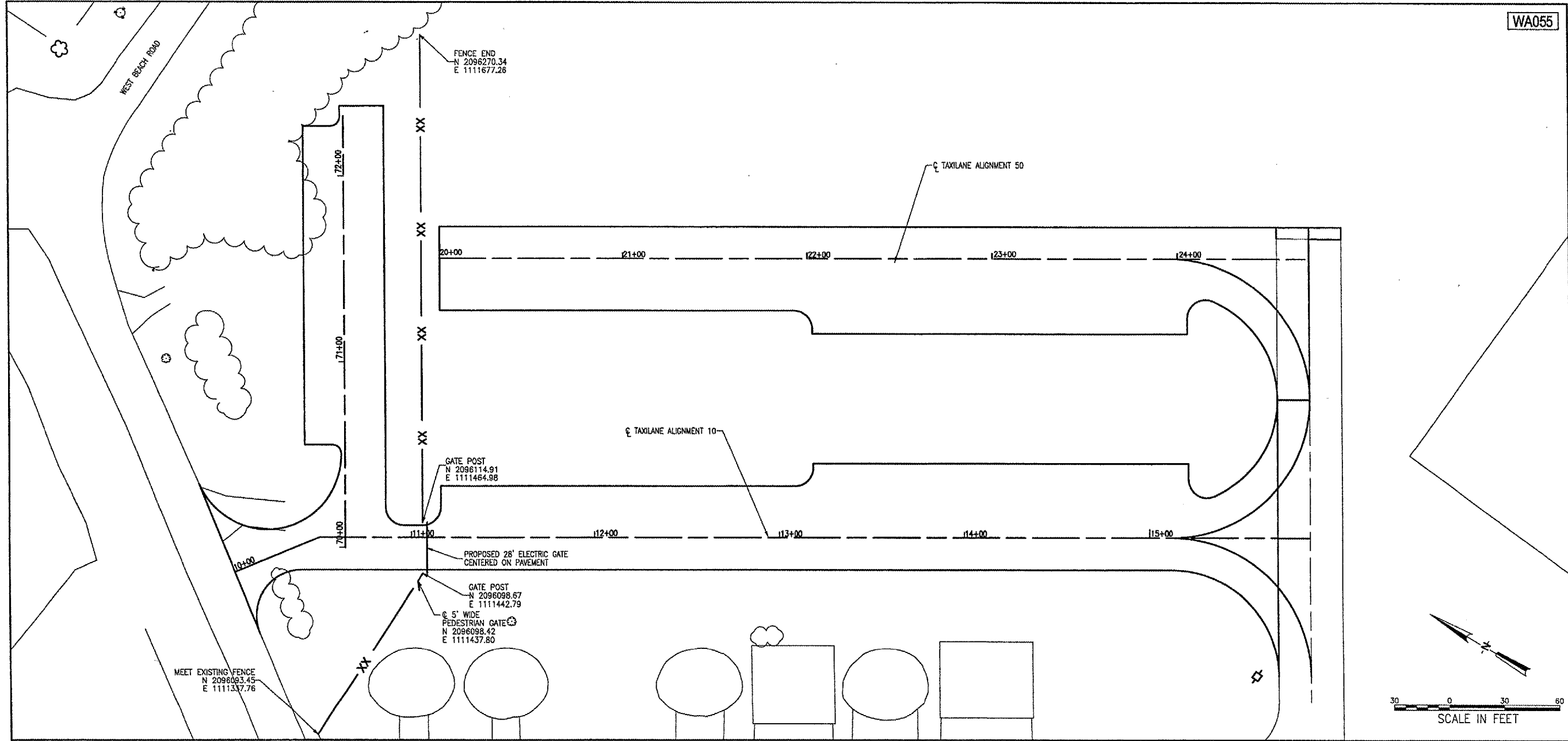
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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

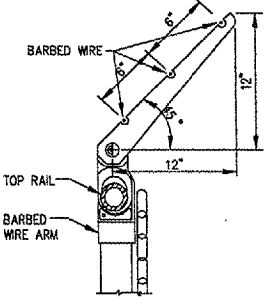
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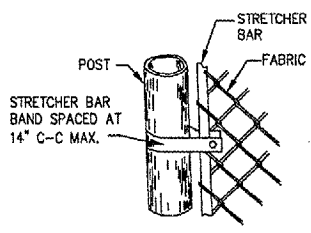
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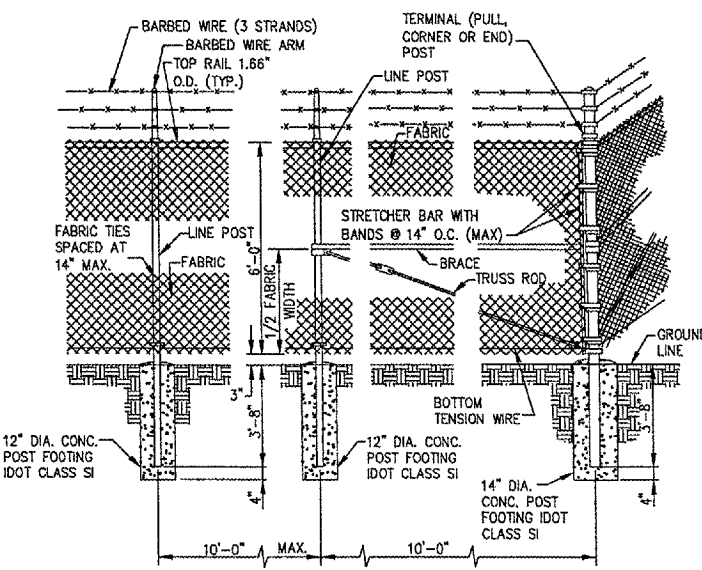
FABRIC TIES



BARBED WIRE ARM



STRETCHER BAR BAND

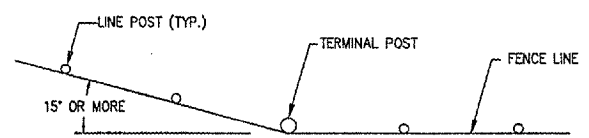


TERMINAL (PULL, CORNER OR END) POST

FENCING NOTES

- ALL FENCE, FABRIC, POSTS, GATES, TENSION WIRE, RODS, BRACES, ARMS AND MISCELLANEOUS FITTINGS SHALL BE GALVANIZED.
- BARBED WIRE FOR FENCE AND GATES SHALL BE GALVANIZED STEEL.
- FENCE AND GATE HEIGHT SHALL BE 6'-0" AS SHOWN.
- PULL POSTS SHALL BE PLACED AT LOCATIONS DETERMINED BY THE RESIDENT ENGINEER. THEY SHALL BE PLACED AT 660 FOOT INTERVALS BETWEEN POSTS TO WHICH THE ENDS OF THE FABRIC ARE CLAMPED OR MIDWAY BETWEEN SUCH POSTS WHEN THE DISTANCE IS LESS THAN 1,320 FEET AND GREATER THAN 660 FEET.
- GATE KEEPERS SHALL BE PROVIDED TO HOLD GATES IN THE OPEN POSITION. THEY SHALL BE LOCATED AND INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER.
- IN LOCATIONS WHERE THE FENCE IS ALONG THE BITUMINOUS PAVEMENT EDGE THE PAVEMENT IS TO BE SAWCUT SQUARE TO ALLOW FOR PROPER INSTALLATION AND PLACEMENT OF THE FENCE POSTS AND FOUNDATION. SAWCUT COST INCIDENTAL TO FENCE.
- SEE FENCE DETAIL SHEET FOR ADDITIONAL INFORMATION.
- SEE SPECIAL PROVISIONS.

DETAILS SHOWN ARE NOT TO SCALE



WHEN FENCE LINE HAS A CHANGE IN DIRECTION OF 15° OR MORE, A TERMINAL POST SHALL BE PLACED AS SHOWN ABOVE. WHERE ANGLE IS LESS THAN 15° AND EXISTING CONDITIONS REQUIRE A TERMINAL POST, THEY SHALL BE PLACED AS DIRECTED BY THE RESIDENT ENGINEER.

INSTALLATION AT CORNERS

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
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FENCE PLAN AND DETAILS

831-04TXD
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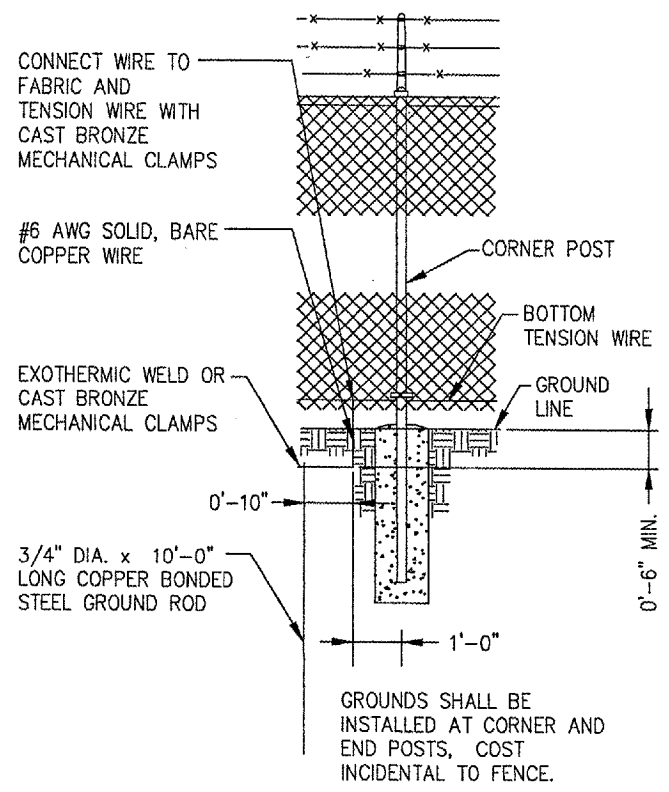


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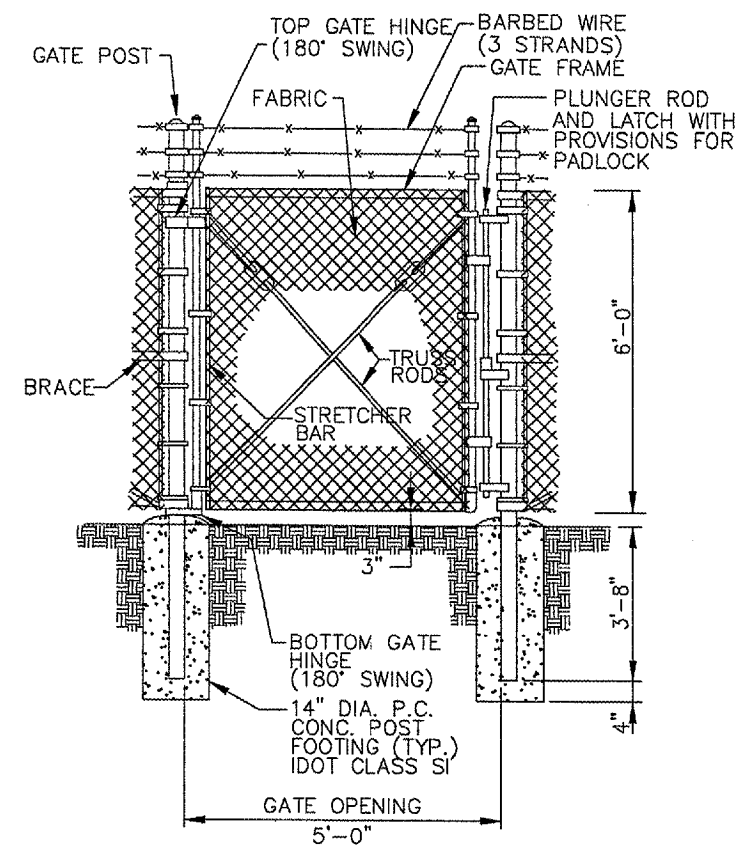
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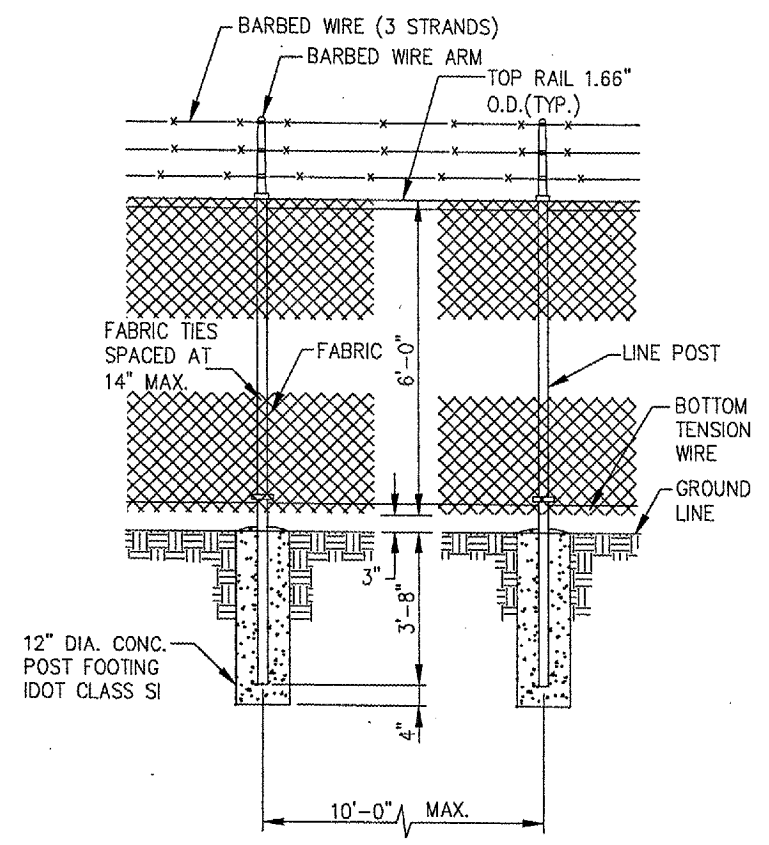
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PROTECTIVE ELECTRICAL GROUND



PEDESTRIAN GATE, 5 FOOT WIDE



LINE POST

LINE POST	
SECTION (O.D.)	LBS./FT.
PIPE TYPE A 1.90"	2.72
PIPE TYPE B 1.90"	2.28
PIPE TYPE C 1.90"	2.26

TERMINAL POST	
SECTION (O.D.)	LBS./FT.
PIPE TYPE A 2.375"	3.65
PIPE TYPE B 2.375"	3.11
PIPE TYPE C 2.375"	3.09

HORIZONTAL BRACES	
SECTION (O.D.)	LBS./FT.
PIPE TYPE A 1.66"	2.27
PIPE TYPE B 1.66"	1.83
PIPE TYPE C 1.66"	1.82

GATE FRAMES	
SECTION (O.D.)	LBS./FT.
PIPE TYPE A 1.66"	2.27
PIPE TYPE B 1.66"	1.83
PIPE TYPE C 1.66"	1.82

GATE POSTS					
GATE OPENING (FT.)		PIPE TYPE A		PIPE TYPE B	
SINGLE	DOUBLE	SIZE (O.D.)	(LBS./FT.)	SIZE (O.D.)	(LBS./FT.)
UP TO 4	UP TO 8	2.375"	3.65	2.375"	3.11
OVER 4 TO 8	OVER 8 TO 16	2.875"	5.79	2.875"	4.64
OVER 8 TO 14	OVER 16 TO 28	3.5"	7.58	3.5"	5.707

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FENCE DETAILS

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Drawn By	

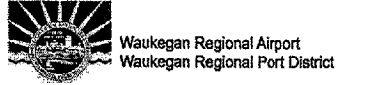
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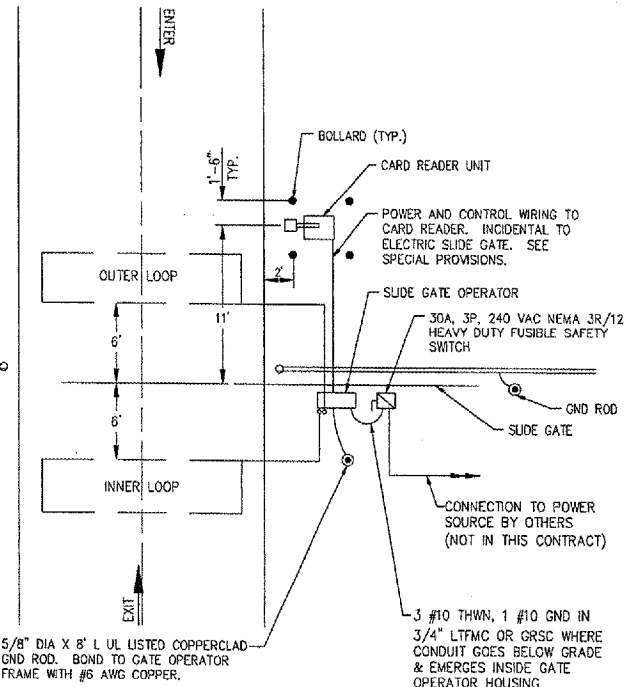


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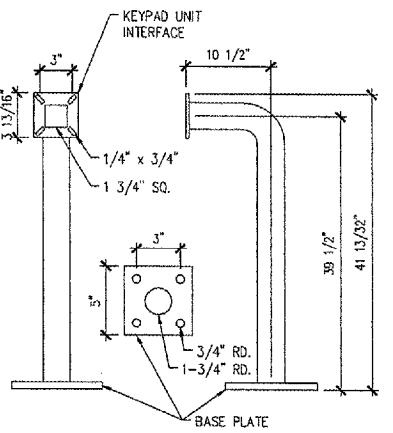
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VEHICLE DETECTOR LOOPS		
GATE SIZE	LOOP SIZE	NO. OF TURNS
8' TO 12'	4' X 6'	3 TURNS
12' TO 16'	4' X 10'	2 TURNS
16' TO 20'	4' X 14'	2 TURNS
20' TO 24'	4' X 18'	2 TURNS
24' TO 30'	6' X 22'	2 TURNS
30' TO 34'	6' X 26'	2 TURNS

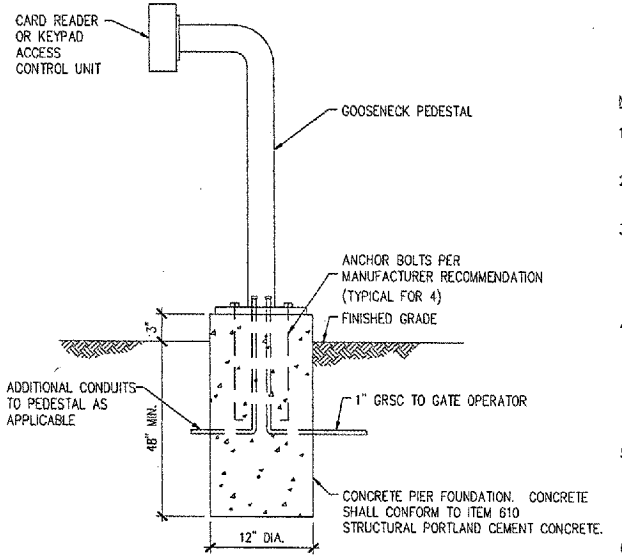


PLAN VIEW



GOOSENECK PEDESTAL DETAIL

NOTE:
GOOSENECK PEDESTAL SHALL BE AMERICAN ACCESS SYSTEMS,
INC. (7079 SOUTH JORDAN RD., UNIT 6, ENGLEWOOD, CO
80112. PHONE: 800-541-5677, FAX 303-799-9756) MODEL
18-001 OR APPROVED EQUAL.



CARD READER/KEYPAD ACCESS CONTROL
UNIT PEDESTAL ELEVATION DETAIL

NOTE:
SEE SPECIAL PROVISION SPECS FOR REQUIREMENTS ON
CARD READER OR KEYPAD ACCESS CONTROL UNIT.

NOTES

1. SEE SPECIAL PROVISION SPECIFICATIONS FOR REQUIREMENTS ON GATE & GATE OPERATOR SYSTEM.
2. ALL DIMENSIONS AND LAYOUT INFORMATION SHOWN SHOULD BE ADJUSTED AS RECOMMENDED BY THE MANUFACTURER.
3. CONCRETE FOUNDATIONS SHALL BE PROVIDED FOR THE SLIDE GATE OPERATOR AND THE CARD READER ACCESS CONTROL UNIT. FOUNDATION FOR THE GATE OPERATOR SHALL BE 48" (MIN.) IN DEPTH AND OF THE SIZE RECOMMENDED BY THE MANUFACTURER. FOUNDATION FOR THE CARD READER ACCESS CONTROL UNIT SHALL BE 48" (MIN.) IN DEPTH, AS DETAILED HEREIN.
4. 1" GRCS CONDUIT WILL BE REQUIRED BETWEEN THE SLIDE GATE OPERATOR AND THE CARD READER ACCESS CONTROL UNIT AND BETWEEN THE SLIDE GATE OPERATOR AND THE DETECTOR LOOPS. THE MINIMUM BURYING DEPTH IS 24". ALL METAL CONDUITS ENTERING THE GATE OPERATOR SHALL BE BONDED TO THE GATE OPERATOR FRAME WITH A #8 AWG (MIN.) COPPER BONDING JUMPER. CONFIRM CONTROL WIRING REQUIREMENTS WITH THE RESPECTIVE GATE OPERATOR SALES AND SERVICE REPRESENTATIVE.
5. THE GUARD/BOLLARD POSTS SHALL BE 6" DIA. STEEL (HEAVY WALL) PIPE, CONCRETE FILLED, AND SHALL EXTEND FROM THE TOP OF THE CARD CONTROL UNIT TO A DEPTH OF 48" BELOW THE GROUND LINE. THE CONCRETE FOOTER DIMENSION SHALL BE AS DETAILED HEREIN. GUARD/BOLLARD POSTS SHALL BE PAINTED WITH YELLOW COLORED ENAMEL FINISH.
6. THE SLIDING GATE SHALL BE CANTILEVER TYPE OF THE SIZE CALLED FOR ON THE PLANS WITH AN ENCLOSED ROLLER ASSEMBLY WHICH IS PROTECTED FROM FREEZING RAIN AND SNOW, AND SHALL BE AS MANUFACTURED BY TYMETAL CORPORATION, OR APPROVED EQUAL.
7. THE SLIDE GATE OPERATOR IS TO BE MOUNTED ON A STEEL PLATFORM LOCATED APPROXIMATELY 1'-6" ABOVE THE GROUND. WHERE STEEL PLATFORM IS NOT A STANDARD OPTION EXTEND THE FOOTING/FOUNDATION PAD APPROXIMATELY 8" ABOVE GRADE. SHOP DRAWINGS APPROVAL IS REQUIRED.
8. CONTRACTOR SHALL PROVIDE VERIFICATION THAT THE PROPOSED GATE OPERATOR IS SUITABLE FOR USE WITH & PROPERLY SIZED FOR THE RESPECTIVE SLIDE GATE.
9. INCLUDE LOW VOLTAGE LINE PROTECTOR FOR THE CARD READER ACCESS CONTROL UNIT SUITABLE FOR USE ON THE RESPECTIVE CONTROL VOLTAGE SYSTEM, WITH SURGE CURRENT MAXIMUM RATING OF 3000 AMPS, LIFETIME PRODUCT REPLACEMENT WARRANTY AND AS RECOMMENDED BY THE KEYPAD ACCESS CONTROL UNIT MANUFACTURER'S REPRESENTATIVE.
10. INCLUDE UL LISTED SECONDARY SURGE ARRESTER FOR THE GATE OPERATOR SUITABLE FOR USE ON 120/240 VAC, 1 PHASE, 3 WIRE PLUS GROUND SYSTEM, WITH SURGE CURRENT RATING OF 75 KA PER MODE, LIFETIME PRODUCT REPLACEMENT WARRANTY, AND AS RECOMMENDED BY THE GATE OPERATOR MANUFACTURER'S REPRESENTATIVE.
11. INCLUDE LIGHTNING PROTECTION/SURGE ARRESTERS FOR THE DETECTOR AMPLIFIERS, AS RECOMMENDED BY THE MANUFACTURER.
12. CONCRETE USED FOR INSTALLING THE GATE OPERATOR, CARD READER, & FENCE SHALL MEET THE REQUIREMENTS OF STRUCTURAL PORTLAND CEMENT CONCRETE ITEM AR610.
13. AS PART OF THIS ITEM 125 CARDS AND 5 REMOTE TRANSMITTER FOR EACH GATE SHALL BE PROVIDED BY THE CONTRACTOR. COORDINATE PROGRAMMING OF CARDS & TRANSMITTER FREQUENCIES WITH THE AIRPORT MANAGER.
14. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE ELECTRIC GATE OPERATOR, SLIDE GATE, & ALL ASSOCIATED POWER & CONTROL DEVICES ARE COMPATIBLE WITH EACH OTHER & SUITABLE FOR THE RESPECTIVE APPLICATION TO PROVIDE A COMPLETE AND PROPERLY OPERATIONAL ELECTRIC SLIDE GATE INSTALLATION.
15. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE UL LISTING, ETL LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
16. PROVIDE A WEATHERPROOF ENGRAVED PHENOLIC OR PLASTIC LEGEND PLATE FOR THE SAFETY SWITCH AT THE RESPECTIVE GATE OPERATOR NOTING THE GATE SERVED, VOLTAGE, AND RESPECTIVE POWER SOURCE CIRCUIT AND LOCATION.
17. CARD GATE TO MEET THE SAME SPECIFICATION AS THE FENCING FOR SIZE, COATINGS, BARBED WIRE, ETC., SEE FENCING DETAILS.

5/8" DIA X 8' L UL LISTED COPPERCLAD GND ROD. BOND TO FENCE FABRIC WITH #8 BARE SOLID COPPER CONDUCTOR. (TYPICAL EACH SIDE OF GATE WITHIN 100' OF GATE)

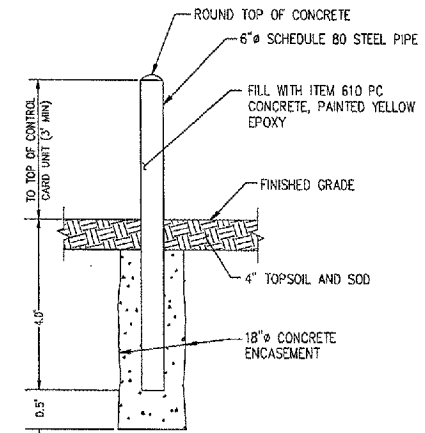
5/8" DIA X 8' L UL LISTED COPPERCLAD GND ROD. BOND TO GATE OPERATOR FRAME WITH #6 AWG COPPER.

3 #10 THWN, 1 #10 GND IN 3/4" LTFMC OR GRCS WHERE CONDUIT GOES BELOW GRADE & EMERGES INSIDE GATE OPERATOR HOUSING

30A, 1P, 240 VAC NEMA 3R/12 HEAVY DUTY FUSIBLE SAFETY SWITCH. PROVIDE STRUT SUPPORT AS NECESSARY. NOTE CONTROL CKT WIRING SHALL NOT BE ROUTED THROUGH THE DISCONNECT.

5/8" DIA X 8' L UL LISTED COPPERCLAD GND ROD WITH #6 AWG BARE STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR BONDED TO THE GATE OPERATOR FRAME & EXOTHERMIC WELDED TO THE GND ROD. PROVIDE 1" SCHED 40 PVC CONDUIT ELBOW INTO GATE OPERATOR FOUNDATION.

5/8" DIA X 8' L UL LISTED COPPERCLAD GND ROD WITH #8 AWG BARE SOLID CU FROM FENCE FABRIC TO GND ROD. CONNECTION TO GND ROD SHALL BE EXOTHERMIC WELD. CONNECTION TO FENCE FABRIC SHALL BE WITH UL LISTED BRONZE GROUND CONNECTORS WITH BRONZE OR STAINLESS STEEL BOLTS & WASHERS. LOCATE GND RODS WITHIN 100 FT. OF EACH SIDE OF THE GATE.



- NOTES
1. THE EXPOSED PORTION OF THE BOLLARD SHALL BE PAINTED YELLOW EPOXY.
 2. BOLLARD PAID AS ITEM AR800993 OR ITEM AS800993.

BOLLARD DETAIL

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28' ELECTRIC GATE DETAIL

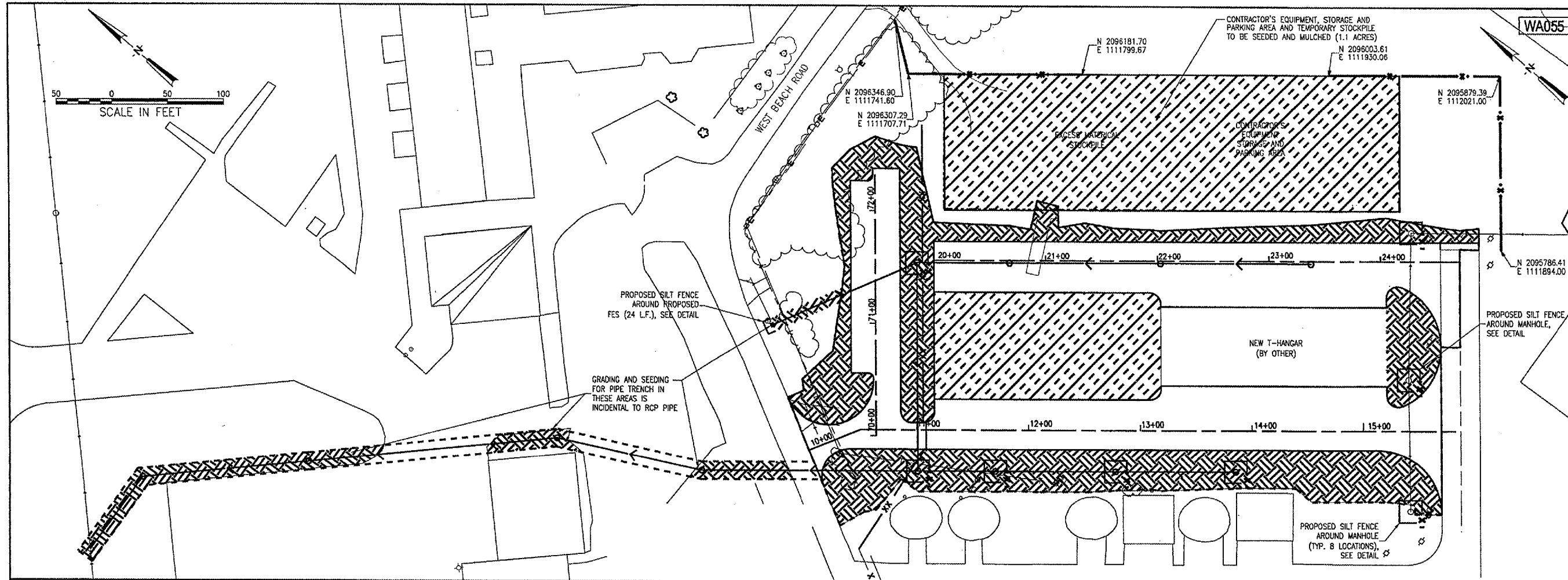
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ELECTRIC GATE PLAN AND DETAILS

831-04TX/D
Project Number
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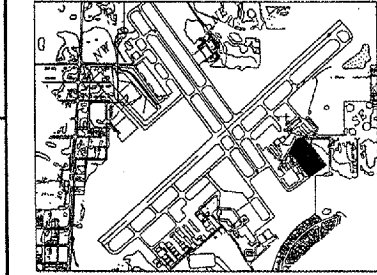
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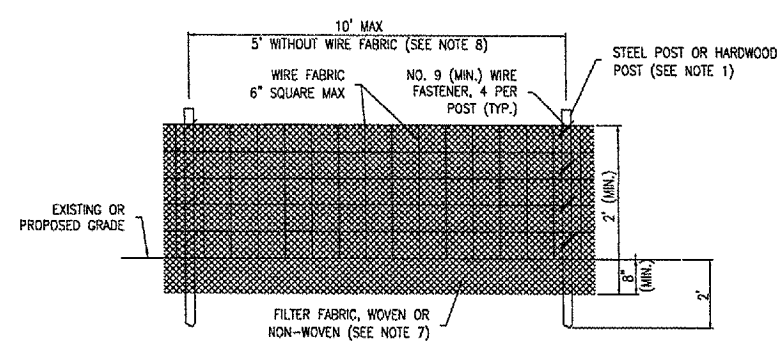
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

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 IL. PROJ.: UGN-3449



KEY MAP

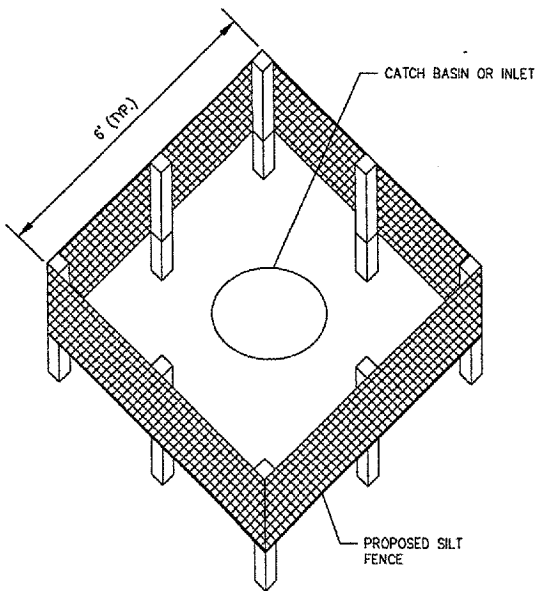


ELEVATION

NOTES:

1. FENCE POST SHALL BE EITHER STEEL "T" LINE POST OR HARDWOOD POST WITH A MINIMUM SECTIONAL AREA OF 3.0 SQUARE INCHES.
2. TOP AND BOTTOM WIRE OF WIRE FABRIC SHALL BE MINIMUM GAGE NO. 9. INTERMEDIATE WIRES OF THE WIRE FABRIC SHALL BE MINIMUM GAGE NO. 11.
3. WIRE FABRIC SHALL BE SECURELY FASTENED TO FENCE POSTS WITH NO. 9 GAGE WIRE MINIMUM. FOUR (4) FASTENERS PER POST REQUIRED.
4. FILTER FABRIC SHALL BE SECURELY FASTENED TO WIRE FABRIC AND POSTS WITH TIES OR STAPLES SPACED AT 12" APART AT THE TOP, MIDDLE AND BOTTOM.
5. WHEN TWO SECTIONS OF FILTER FABRIC OR ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED AND ATTACHED TO THE WIRE FABRIC AT A POST.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED AND REPLACED WHEN BULGES DEVELOP IN THE SILT FENCE.
7. FILTER FABRIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
8. WIRE FABRIC MAY BE OMITTED IF A MAXIMUM OF 5 FEET IS USED FOR POST-TO-POST SPACING.
9. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
10. FENCE POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END.

SILT FENCE

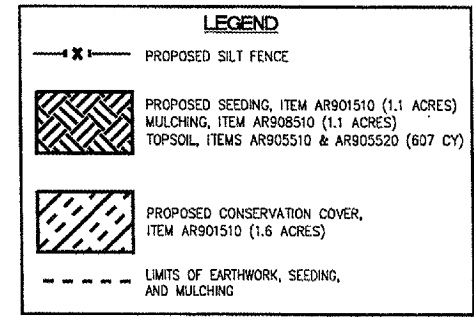


SILT FENCE PLACEMENT AT MANHOLES

NOTES:

1. SILT FENCE SHALL BE EMBEDDED 8" INTO THE SOIL.
2. INSPECTION SHALL BE FREQUENT AND REPAIR / REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
3. TEMPORARY SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. CONTRACTOR SHALL PLACE SEED AND MULCH AROUND STRUCTURES PER LANDSCAPING PLAN.
4. AREAS DISTURBED OUTSIDE OF CONSTRUCTION LIMITS DURING PLACEMENT OF INLET PROTECTION TO BE REGRADED, SEEDED AND MULCHED, COST INCIDENTAL TO SILT FENCE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL SILT FENCE INFORMATION.

INLET PROTECTION DETAIL



STORM WATER POLLUTION PREVENTION NOTES

GENERAL

THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE CONTRACT DOCUMENTS TO ASSURE THAT STORM WATER POLLUTION PREVENTION ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. SEDIMENTATION MUST NOT BE TRANSPORTED OFF THE CONSTRUCTION SITE. PERMANENT DRAINAGE FEATURES AND VEGETATIVE MEASURES SHALL BE PROVIDED AS SOON AS POSSIBLE.

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

POLLUTION PREVENTION MEASURES

THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHERE EVER POSSIBLE AND AS SOON AS CONSTRUCTION PERMITS IN OTHER AREAS. POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THESE CONSTRUCTION PLANS, AND WITH STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, CURRENT ISSUE. THE CONTRACTOR SHALL ADJUST HIS OPERATIONS AND IMPLEMENT POLLUTION CONTROL MEASURES SO THAT NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE CONSTRUCTION SITE OTHER THAN THROUGH SEDIMENT TRAPS OR OTHER SUITABLE CONTROL MEASURES.

POLLUTION CONTROL ITEMS SHALL BE PROVIDED AS NOTED ON THE STORM WATER POLLUTION PREVENTION PLAN AND IN THE STORM WATER POLLUTION PREVENTION DETAILS AND AS DIRECTED BY THE ENGINEER. THE LIMITS OF SUCH MEASURES SHALL BE STAKED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH LIMITS MAY BE ADJUSTED BY THE ENGINEER TO ACCOUNT FOR ACTUAL SITE CONDITIONS EXPERIENCED DURING CONSTRUCTION. ADDITIONAL COMPENSATION FOR MEASURES EXCEEDING THE PLAN QUANTITIES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH ITEM.

THE CONTRACTOR IS TO MAINTAIN AND ADJUST, REPAIR OR REPLACE ALL POLLUTION PREVENTION MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. MAINTENANCE OF POLLUTION CONTROL MEASURES IS TO BE PROVIDED AT NO ADDITIONAL COST TO THE CONTRACT.

LANDSCAPING NOTES

1. OUTER LIMITS OF SEEDED AND MULCHING TO FOLLOW THE LIMITS SHOWN ON THIS SHEET.
2. ALL UTILITY TRENCHES TO BE SEEDED AND MULCHED, COST INCIDENTAL TO ASSOCIATED UTILITY ITEM.

No.	Drawing Issue Description	Date	By

Date
 Sheet Title
 MAY 06, 2005

LANDSCAPING AND STORMWATER POLLUTION PREVENTION PLAN AND DETAIL

831-04TXD Project Number	
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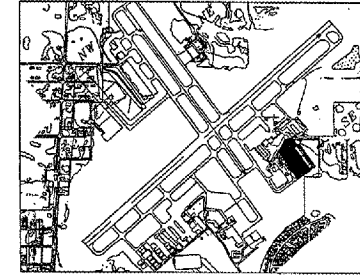


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IL. PROJ.: UGN-3449



KEY MAP

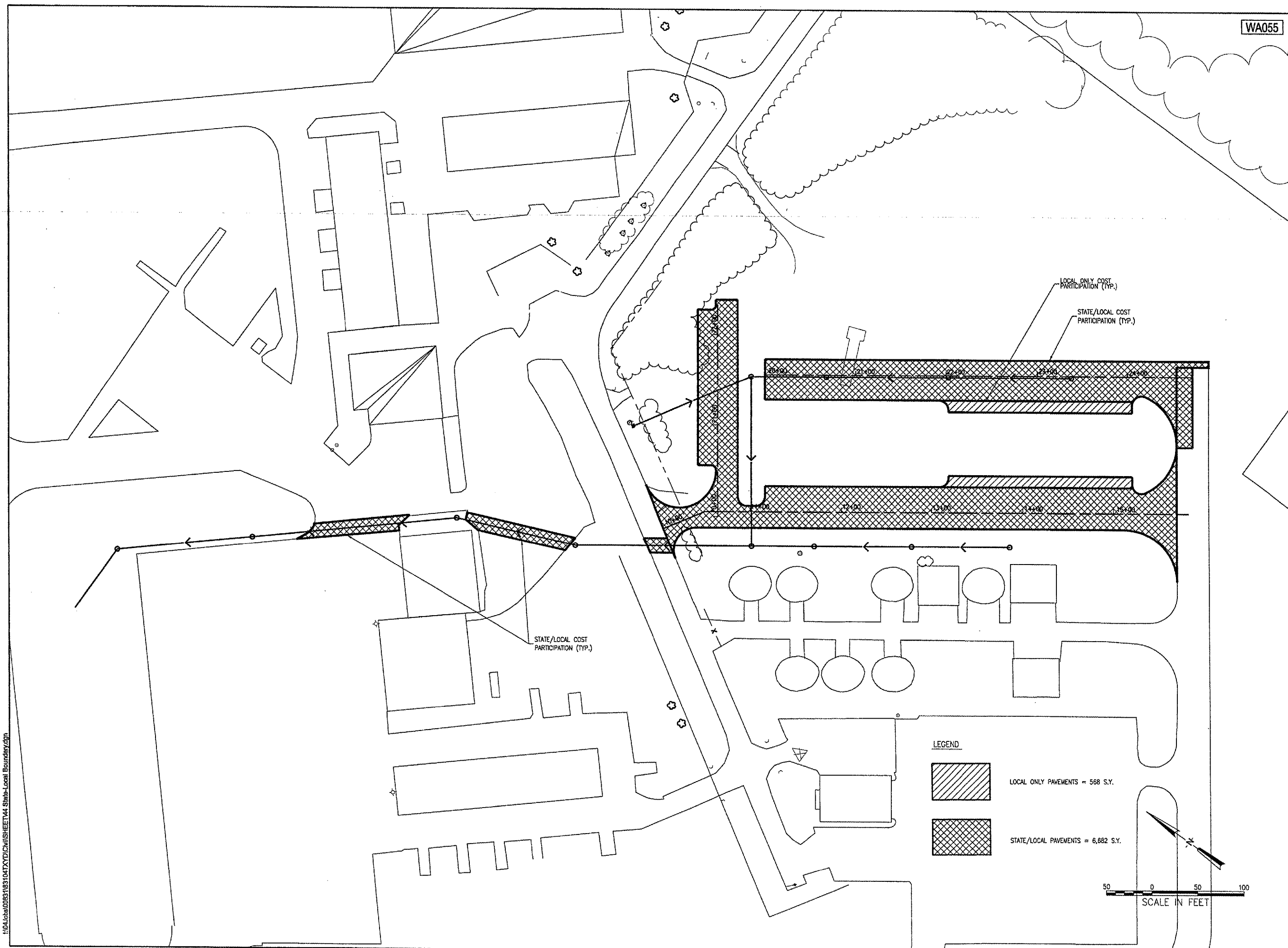
No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

**PAVEMENT ELIGIBILITY
LIMITS**

831-04TXD
Project Number
AAP 02/28/05
Layout By Date
AAP 02/28/05
Designed By Date
RMH 05/05/05
Reviewed By Date
AAP
Drawn By

Sheet No.



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WA055



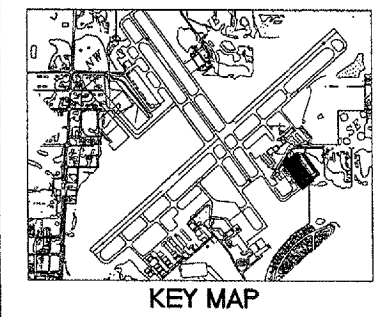
HANSON PROFESSIONAL SERVICES INC.
815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
Telephone: 630.990.3800
Fax: 630.990.3801



3580 North McAre Road
Waukegan, Illinois 60087
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Fax: 847.244.3813

**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

BORING LOCATION PLAN

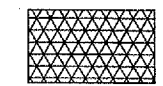
831-04TXD
Project Number
AAP 02/28/05
Layout By Date
AAP 02/28/05
Designed By Date
TMM 05/05/05
Reviewed By Date
AAP
Drawn By

Sheet No.

BORING TABLE

BORE NUMBER	NORTHING	EASTING	DEPTH (FT.)
B1-01	2,065,783.14	1,111,712.46	10
B1-02	2,095,852.95	1,111,679.40	10
B1-03	2,095,929.09	1,111,744.43	10
B1-04	2,095,891.02	1,111,577.57	10
B1-05	2,095,974.01	1,111,566.51	10
B1-06	2,096,098.51	1,111,660.27	10
B1-07	2,096,073.84	1,111,563.50	10
B1-08	2,096,067.35	1,111,478.96	10
B1-09	2,096,186.47	1,111,538.42	10
B1-10	2,096,202.39	1,111,449.05	10
B1-11	2,095,809.22	1,109,857.54	10
B1-12	2,097,281.08	1,111,497.90	10
TOTAL =			120 FT.

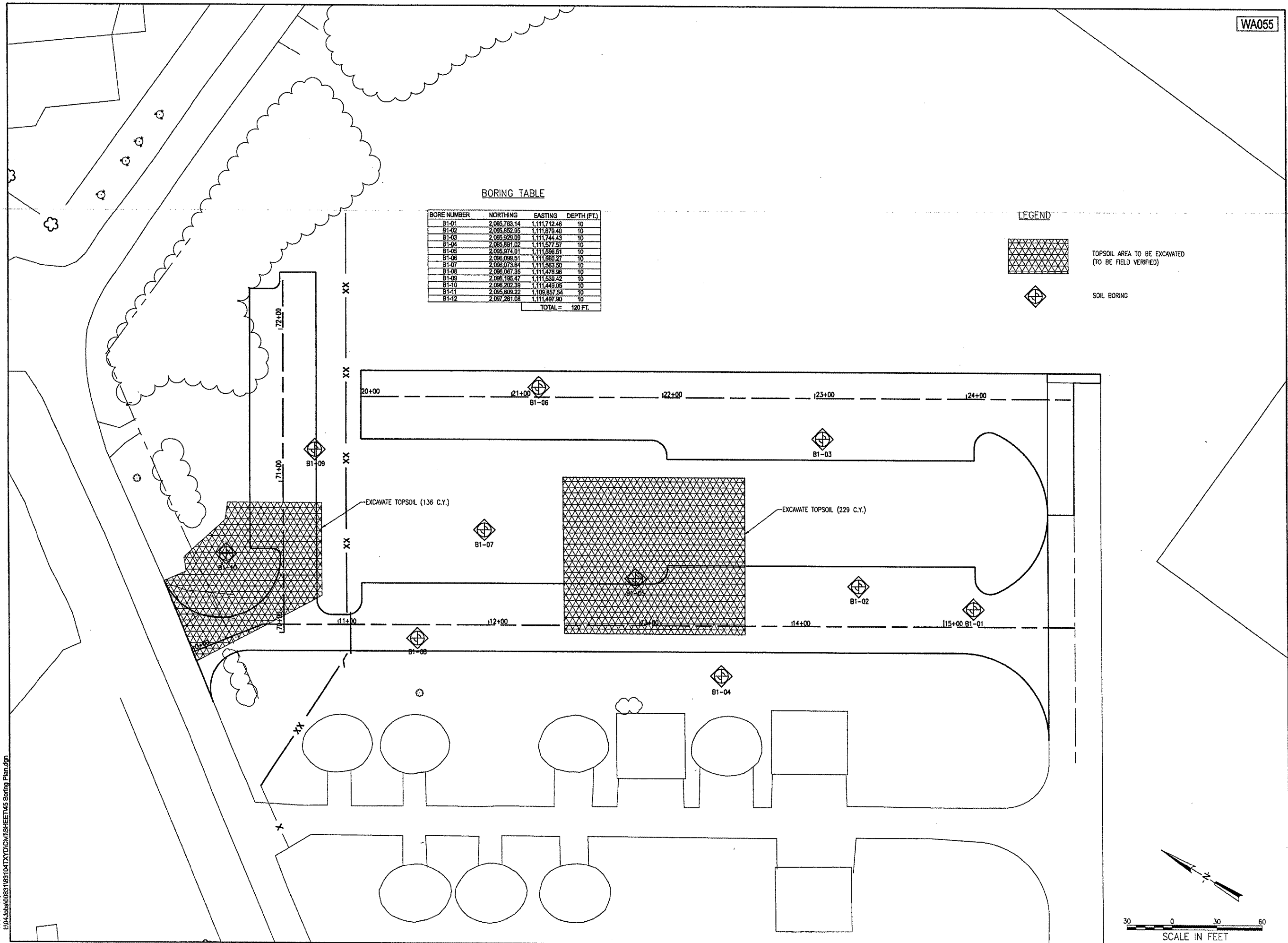
LEGEND



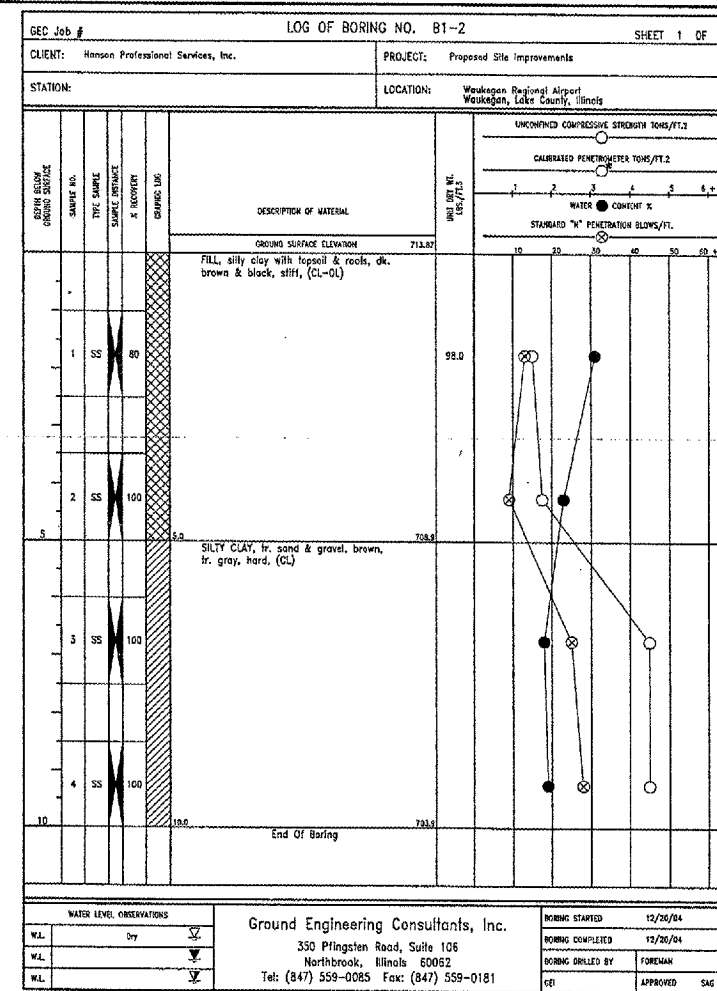
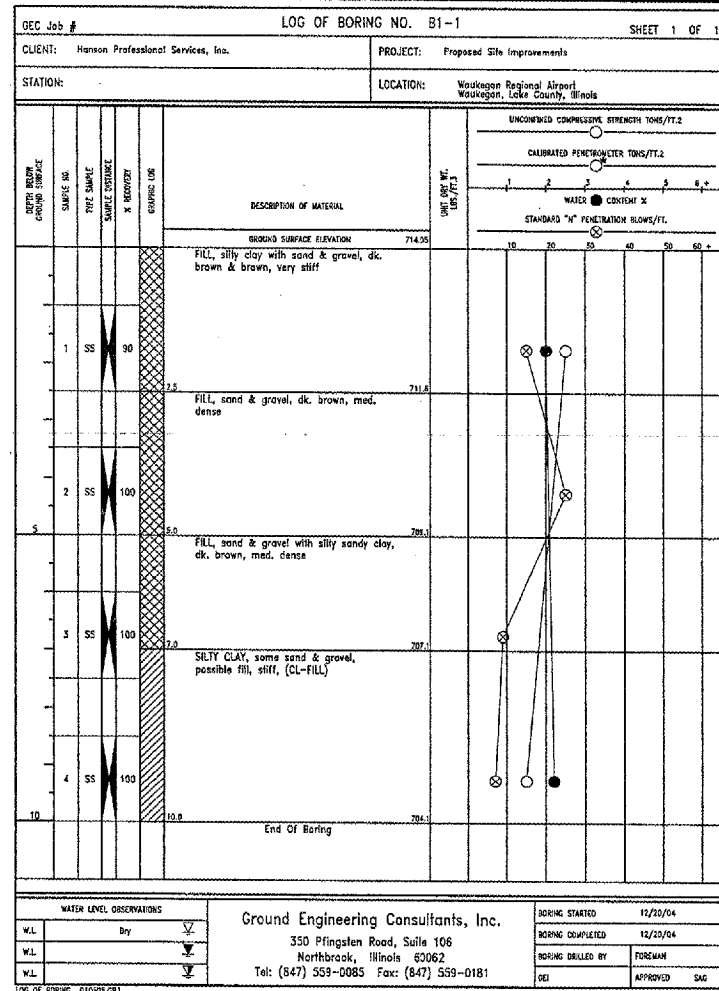
TOPSOIL AREA TO BE EXCAVATED
(TO BE FIELD VERIFIED)



SOIL BORING



05/06/2005, 04:05 PM
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SOILS INVESTIGATION PERFORMED BY:
GROUND ENGINEERING CONSULTANTS, INC.
350 PFINGSTON ROAD, SUITE 106
NORTHBROOK, ILLINOIS 60062

WA055



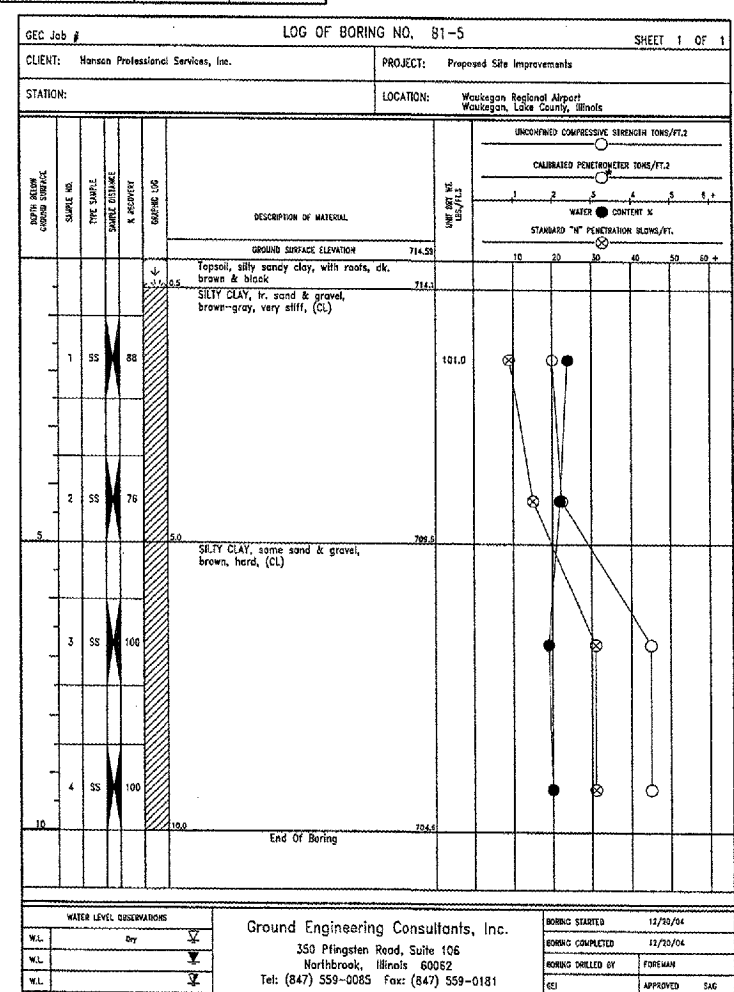
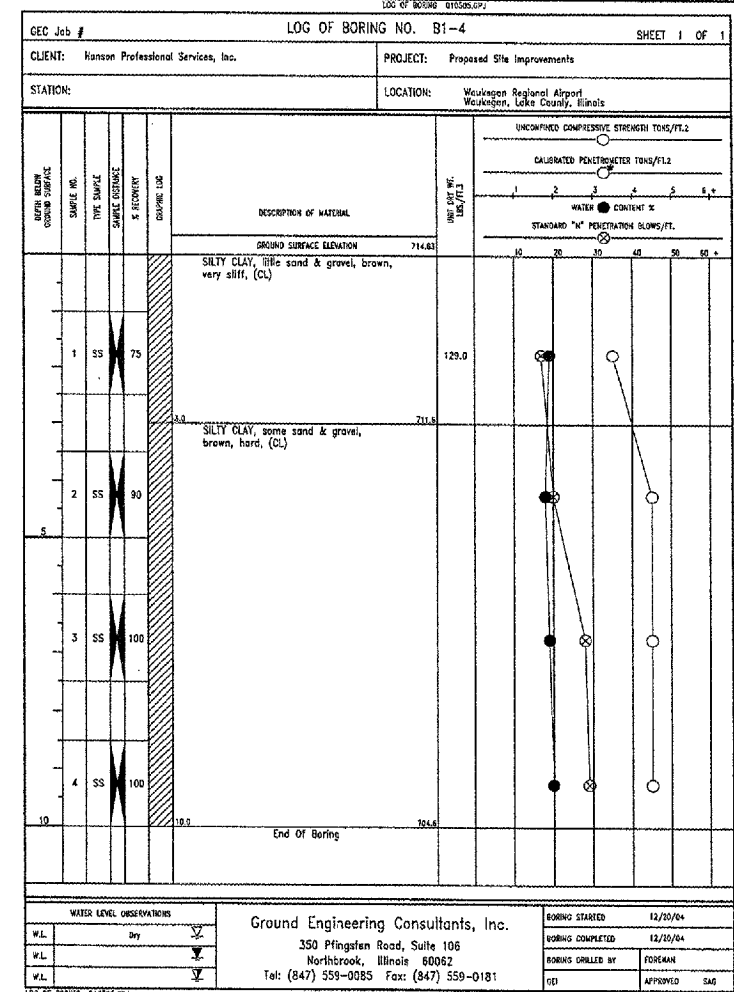
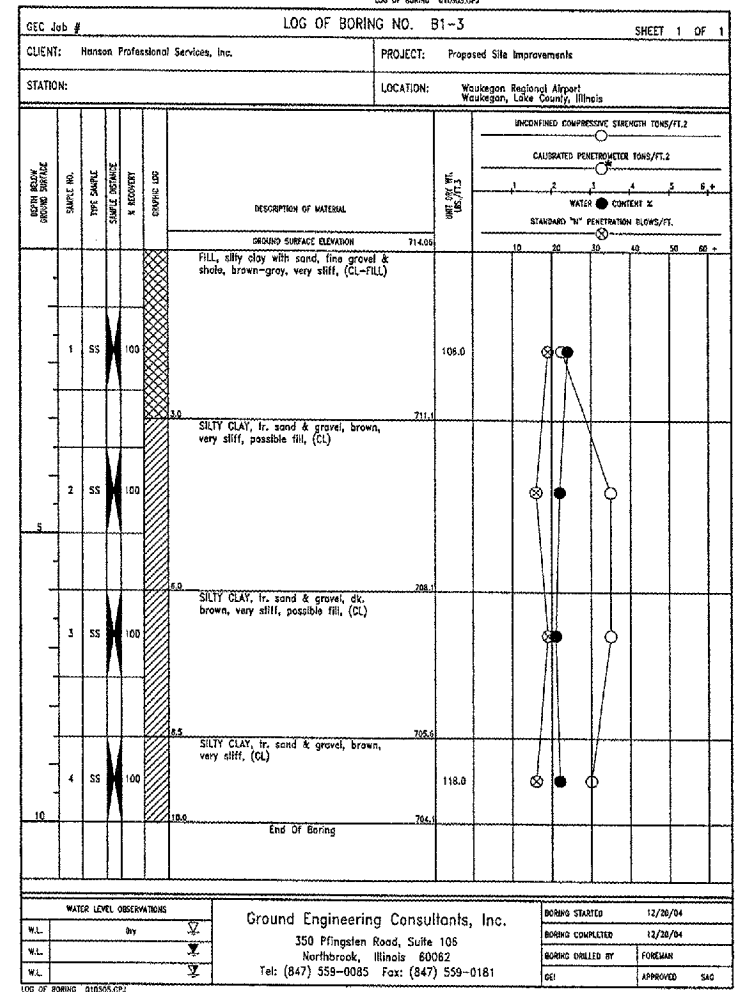
HANSON PROFESSIONAL SERVICES INC.
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Oak Brook, Illinois 60523
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Fax: 630.990.3801



3680 North McAre Road
Waukegan, Illinois 60087
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REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



No.	Drawing Issue Description	Date	By

Date MAY 06, 2005
Sheet Title

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B1-1 THRU B1-5

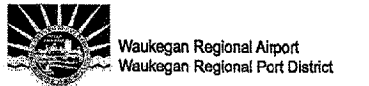
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Project Number
DSY 02/28/05
Layout By Date
DSY 02/28/05
Designed By Date
TMM/RMH 05/05/05
Reviewed By Date
DSY
Drawn By Sheet No.

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WA055



HANSON PROFESSIONAL SERVICES INC.
 815 Commerce Drive, Suite 200
 Oak Brook, Illinois 60523
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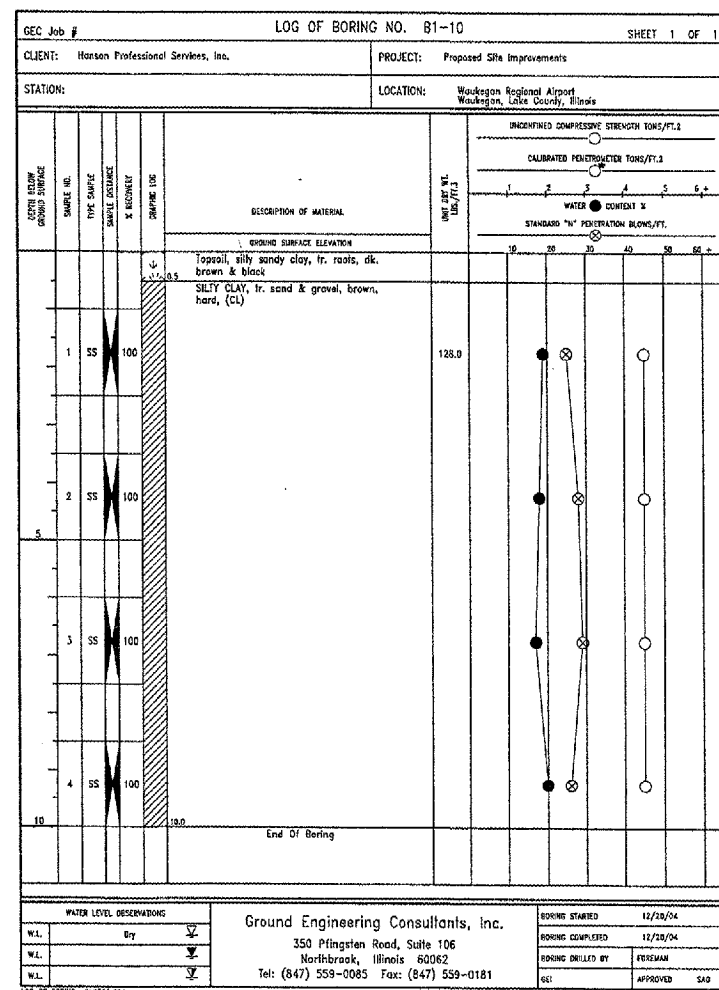
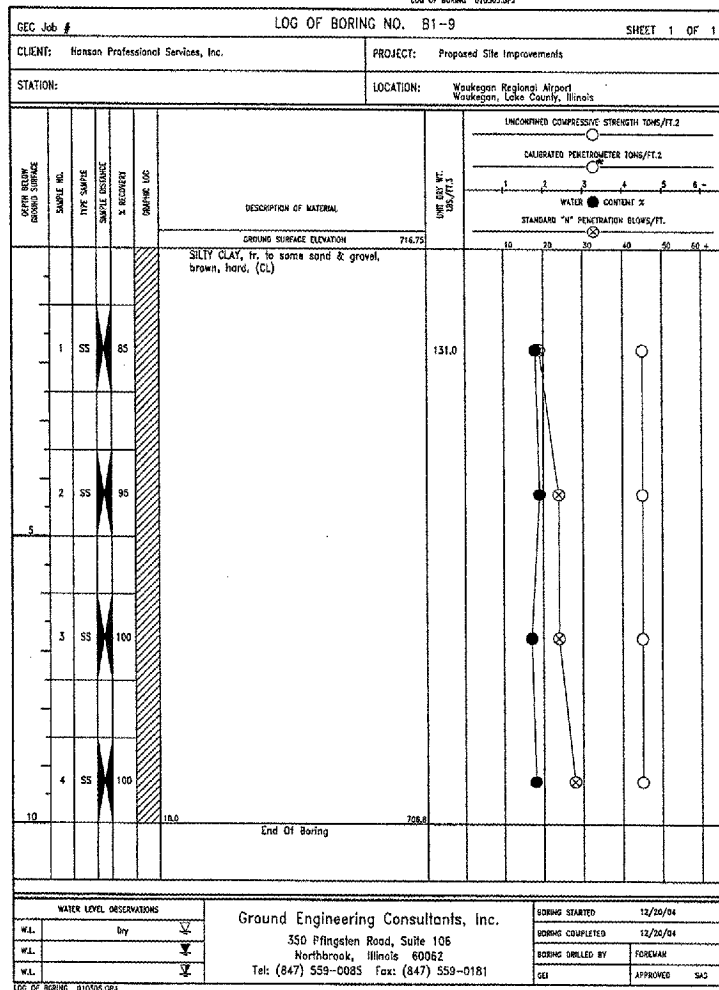
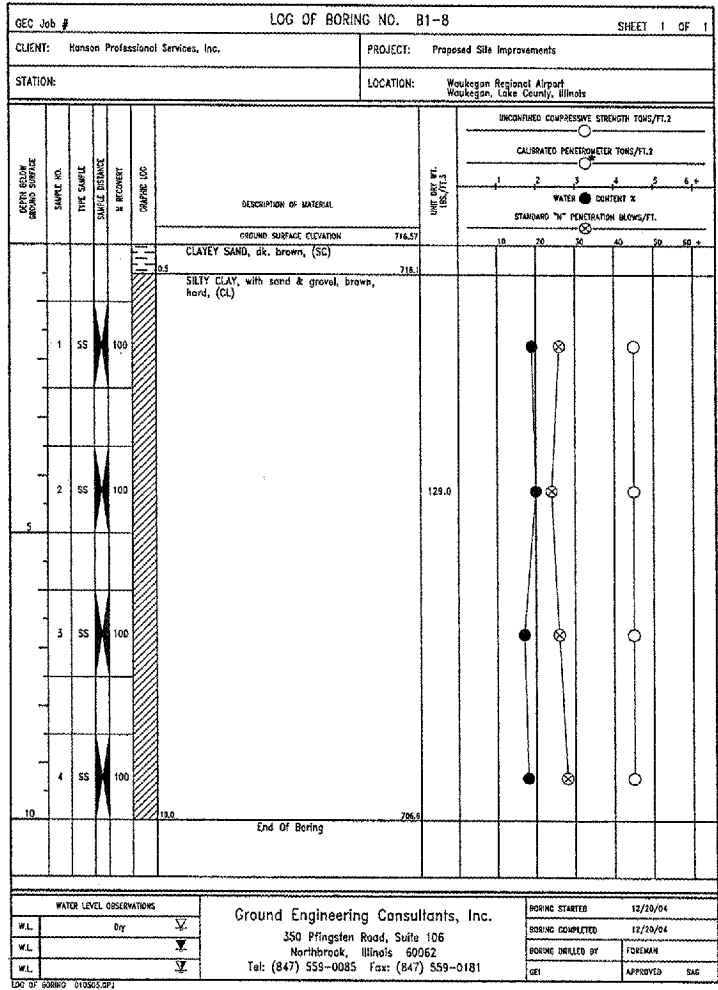
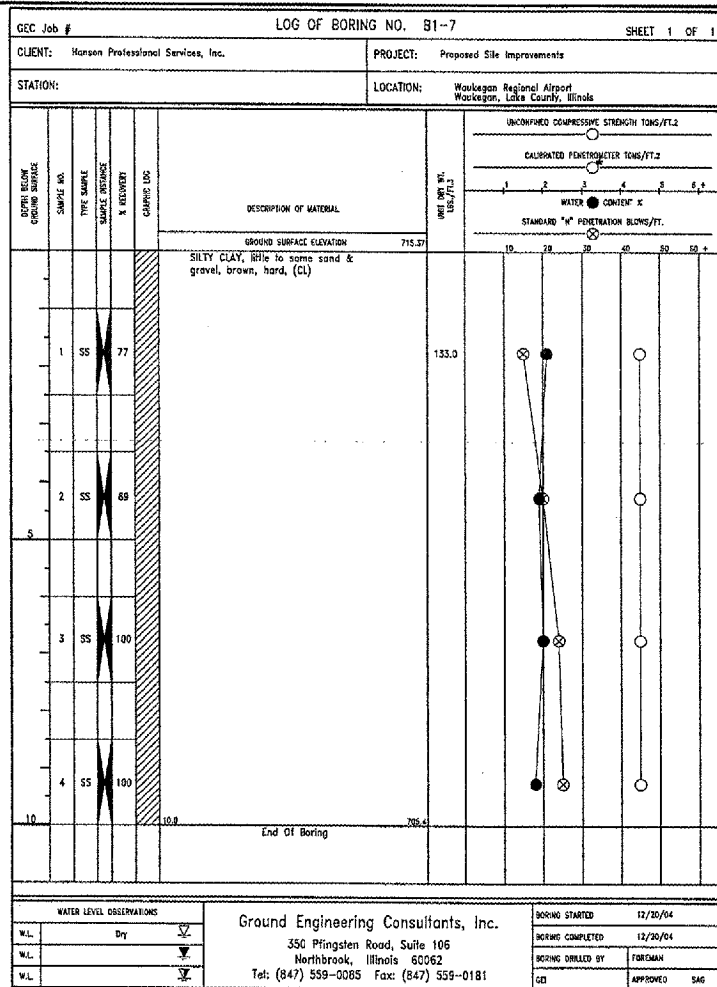
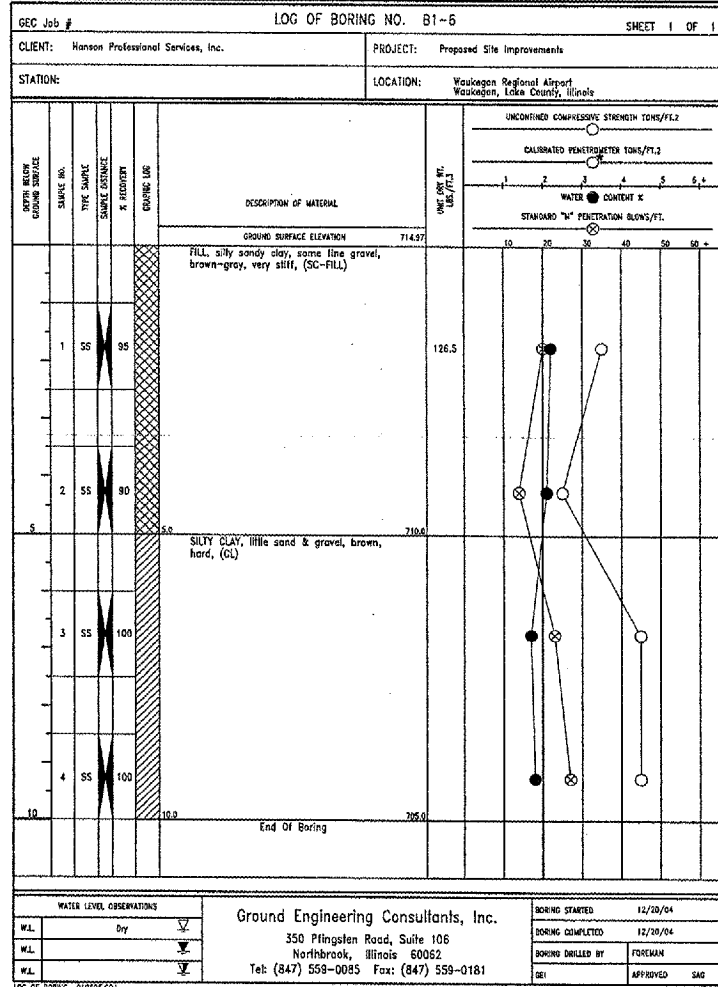


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REPAIR SELECTED PAVEMENT
 AREAS, REHABILITATE HANGAR
 TAXILANES AND SERVICE ROAD,
 AND CONSTRUCT NEW HANGAR
 PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
 IL. PROJ.: UGN-3449

SOILS INVESTIGATION PERFORMED BY:
 GROUND ENGINEERING CONSULTANTS, INC.
 350 PFINGSTON ROAD, SUITE 106
 NORTHBROOK, ILLINOIS 60062



No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
 Sheet Title

SOIL BORING LOG
 B1-6 THRU B1-10

831-04TXD
 Project Number
 DSY 02/28/05
 Layout By Date
 DSY 02/28/05
 Designed By Date
 TMM/RMH 05/05/05
 Reviewed By Date
 DSY
 Drawn By Sheet No.

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Waukegan Regional Port District

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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449

**SECTION 3
REHABILITATE HANGAR TAXILANES
AND SERVICE ROAD**

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005

Sheet Title

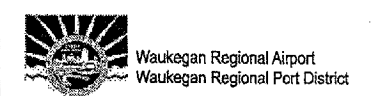
**SECTION 3
COVER**

831-04TXVD
Project Number
DWP 03/07/05
Layout By Date
RPH 03/07/05
Designed By Date
TMM/RPH 04/08/05
Reviewed By Date
DWP
Drawn By

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SUM



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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
 IL. PROJ.: UGN-3449

SUMMARY OF QUANTITIES

Item No.	Description	Unit	As Bid		
			State/Local	Local Only	Total
AR152410	Unclassified Excavation	Cubic Yard	850.00	0.00	850.00
AR156510	Silt Fence	Linear Foot	1,711.00	0.00	1,711.00
AR201610	Bituminous Base Course	Ton	922.00	153.00	1,075.00
AR201620	Bituminous Base Course, Leveling	Ton	140.00	0.00	140.00
AR209610	Crushed Agg. Base Course - 10"	Square Yard	1,615.00	0.00	1,615.00
AR401610	Bituminous Surface Course	Ton	922.00	153.00	1,075.00
AR401650	Bituminous Pavement Milling	Square Yard	1,470.00	0.00	1,470.00
AR401660	Saw & Seal Bit. Joints	Linear Foot	424.00	42.00	466.00
AR401665	Bituminous Pavement Sawing	Linear Foot	518.00	42.00	560.00
AR401900	Remove Bituminous Pavement	Square Yard	5,900.00	1,335.00	7,235.00
AR602510	Bituminous Prime Coat	Gallon	2,565.00	535.00	3,100.00
AR603510	Bituminous Tack Coat	Gallon	1,510.00	200.00	1,710.00
AR620530	Pavement Marking-Epoxy	Square Foot	1,315.00	0.00	1,315.00
AR701512	12" RCP, Class IV	Linear Foot	226.00	0.00	226.00
AR705412	Porous Backfill No. 2	Cubic Yard	69.00	0.00	69.00
AR705504	4" Perforated Underdrain	Linear Foot	873.00	0.00	873.00
AR751410	Inlet	Each	2.00	0.00	2.00
AR751540	Manhole 4'	Each	1.00	0.00	1.00
AR751943	Adjust Manhole	Each	1.00	0.00	1.00
AR751946	Adjust Catch Basin	Each	2.00	0.00	2.00
AR752412	Precast Reinforced Conc. FES 12"	Each	1.00	0.00	1.00
AR752512	Grating for Conc. FES 12"	Each	1.00	0.00	1.00
AR800203	Traffic Barrier Terminal	Each	1.00	0.00	1.00
AR800996	Crack Control Material - Type 2	Square Yard	2,540.00	0.00	2,540.00
AR901510	Seeding	Acre	0.95	0.00	0.95
AR905510	Topsoiling (From On Site)	Cubic Yard	65.00	0.00	65.00
AR905520	Topsoiling (From Off Site)	Cubic Yard	285.00	0.00	285.00
AR908510	Mulching	Acre	0.95	0.00	0.95
AR910400	Guard Rail	Linear Foot	177.00	0.00	177.00
AR910975	Relocate Roadway Sign	Each	3.00	0.00	3.00

No.	Drawing Issue Description	Date	By

Date
 Sheet Title
 MAY 06, 2005

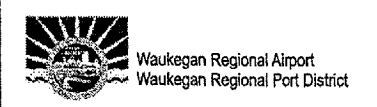
SUMMARY OF QUANTITIES SECTION 3

831-04TXVD
 Project Number
 SJM 03/03/06
 Layout By Date
 AAP 03/03/06
 Designed By Date
 RMH/TMM 04/11/06
 Reviewed By Date
 SJM
 Drawn By Sheet No.

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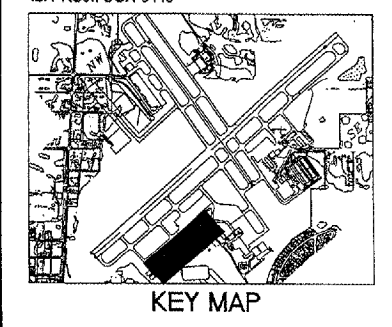
HANSON PROFESSIONAL SERVICES INC.
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Oak Brook, Illinois 60523
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Fax: 630.990.3801



3580 North McAree Road
Waukegan, Illinois 60087
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



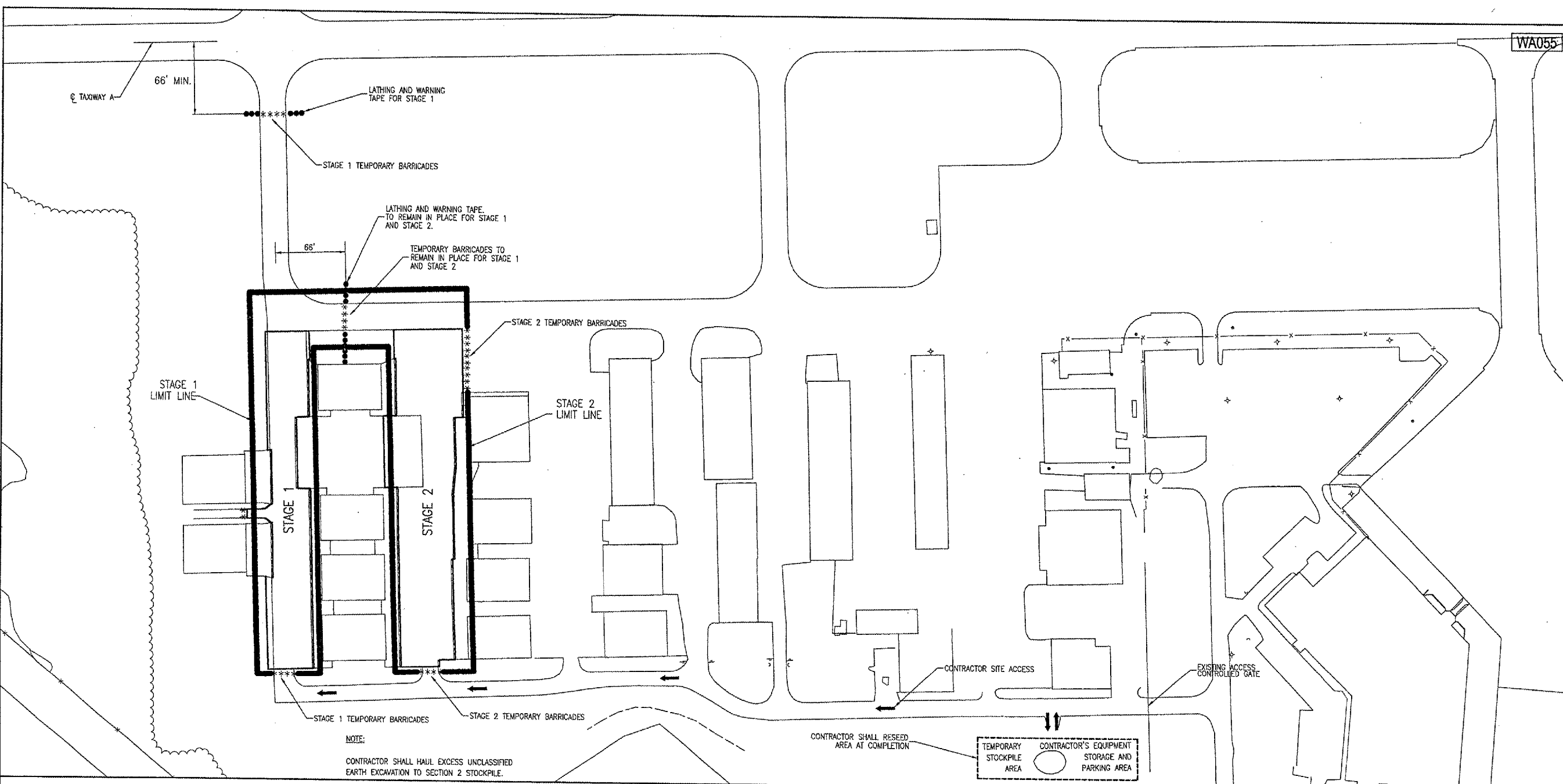
No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title

CONSTRUCTION STAGING PLAN - TAXILANES STAGES 1 AND 2

Project Number	831-04TXD
RPH	02/28/05
Layout By	Date
RPH	02/28/05
Designed By	Date
RMH/TMM	05/05/05
Reviewed By	Date
RPH	
Drawn By	Sheet No.

50



STAGE 1

NOTES

- STAGE 1 TO BEGIN AT NOTICE-TO-PROCEED.
- ALL CONTRACTOR'S ACTIVITIES SHALL BE LIMITED TO THE STAGE 1 AREA AS SHOWN.
- ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 25 FEET UNLESS PRIOR APPROVAL GIVEN BY THE RESIDENT ENGINEER.
- CONTRACTORS EQUIPMENT MAY NOT DISRUPT FLIGHT OPERATIONS ON TAXIWAY A.
- SEE CONSTRUCTION AND SAFETY NOTES.
- THE FOLLOWING ITEMS ARE TO BE COMPLETED IN STAGE 1
- PLACE LATHING AND WARNING TAPE AND BARRICADES AS SHOWN.
- INSTALL TEMPORARY SOIL EROSION CONTROL MEASURES AS REQUIRED.
- MILL EXISTING WEST TAXILANE PAVEMENT.
- INSTALL DRAINAGE STRUCTURES AND STORM SEWER PIPES WITHIN STAGE 1 LIMITS.
- REGRADE AND PLACE AGGREGATE IN WEST TAXILANE AREA.
- INSTALL UNDERDRAINS
- CONSTRUCT BITUMINOUS PAVEMENT
- PLACE TOPSOIL, SEEDING, AND MULCHING WITHIN STAGE 1 LIMITS.
- REMOVE ANY REMAINING DEBRIS AND SWEEP PAVEMENTS WITHIN STAGE 1 LIMITS.
- PLACE TAXILANE PAVEMENT MARKINGS
- REMOVE LATHING AND WARNING TAPE AND TEMPORARY BARRICADES ASSOCIATED WITH STAGE ONE ONLY.

STAGE 2

NOTES

- STAGE 2 TO BEGIN UPON COMPLETION OF STAGE 1, AND WITH APPROVAL OF THE RESIDENT ENGINEER.
- ALL CONTRACTOR'S ACTIVITIES SHALL BE LIMITED TO THE STAGE 2 AREA AS SHOWN.
- ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 25 FEET UNLESS PRIOR APPROVAL GIVEN BY THE ENGINEER.
- SEE CONSTRUCTION AND SAFETY NOTES.
- THE FOLLOWING ITEMS ARE TO BE COMPLETED IN STAGE 2
- PLACE BARRICADES AS SHOWN.
- INSTALL TEMPORARY SOIL EROSION CONTROL MEASURES AS REQUIRED.
- MILL EXISTING EAST TAXILANE PAVEMENT.
- COMPLETE EXCAVATION WITHIN STAGE 2 LIMITS FOR PROPOSED TAXILANE SECTION.
- CONSTRUCT PROPOSED AGGREGATE BASE OF PROPOSED TAXILANE SECTION.
- INSTALL UNDERDRAINS.
- CONSTRUCT BITUMINOUS PAVEMENT.
- PLACE TOPSOIL, SEEDING, AND MULCHING WITHIN STAGE 2 LIMITS.
- REMOVE ANY REMAINING DEBRIS AND SWEEP PAVEMENTS WITHIN STAGE 2 LIMITS.
- PLACE TAXILANE PAVEMENT MARKINGS.
- REMOVE LATHING AND WARNING TAPE AND TEMPORARY BARRICADES.
- REMOVE ANY SOIL EROSION CONTROL MEASURES ONCE A STAND OF GRASS HAS DEVELOPED.

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SUM

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HANSON PROFESSIONAL SERVICES INC.

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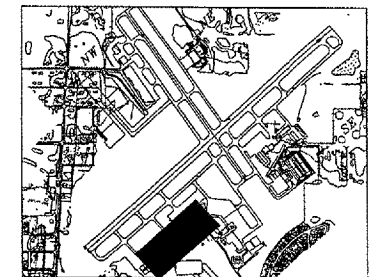


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Waukegan Regional Port District

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REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

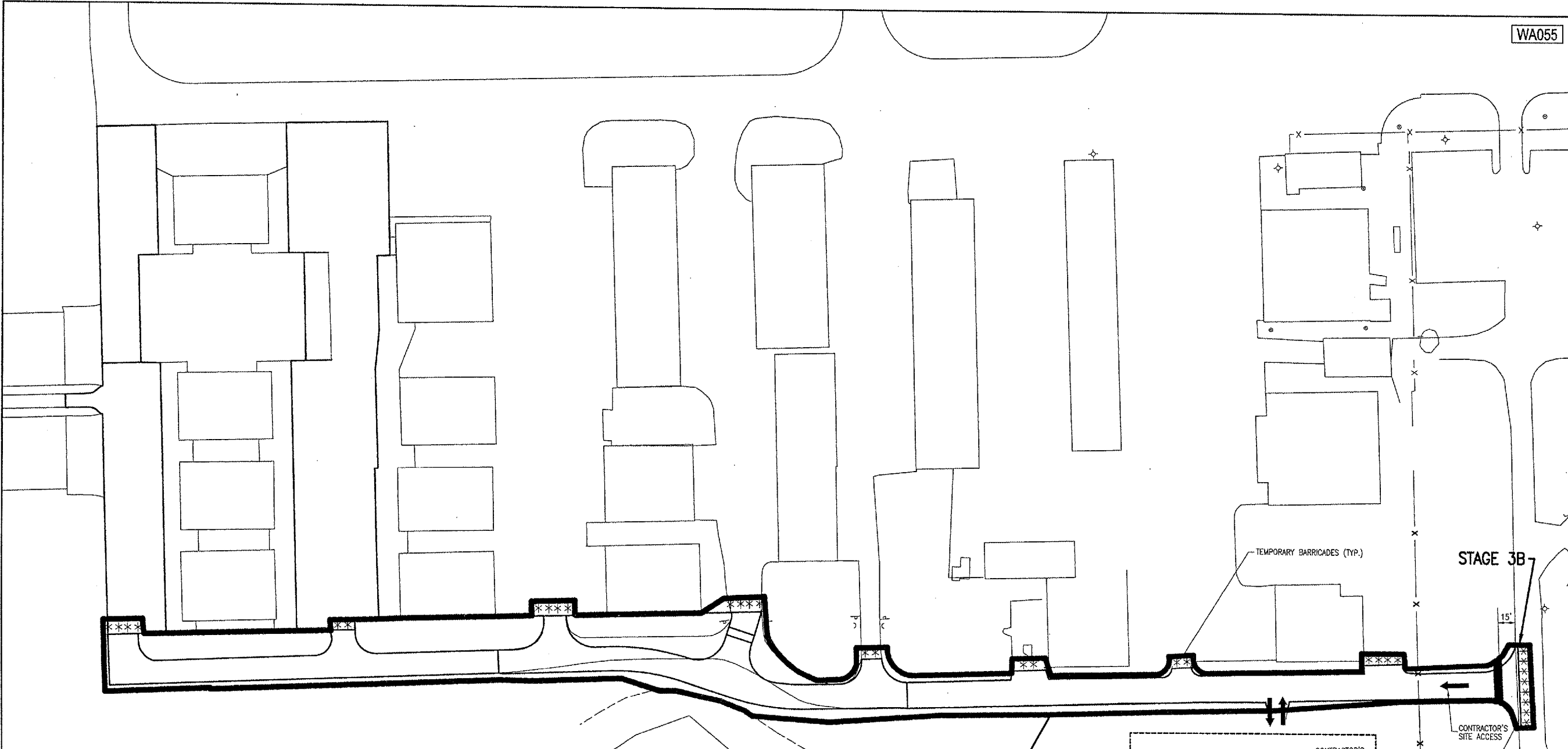
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Sheet Title

CONSTRUCTION STAGING
PLAN - SERVICE ROAD
STAGE 3

831-04TXD
Project Number
RPH 03/07/05
Layout By Date
RPH 03/07/05
Designed By Date
RMHTMM 04/08/05
Reviewed By Date
RPH
Drawn By

Sheet No. 51



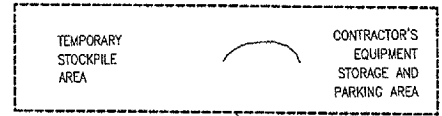
STAGE 3A, 3B AND 3C

- NOTES:
- STAGE 3 TO BEGIN UPON COMPLETION OF STAGE 2, AND WITH APPROVAL OF THE RESIDENT ENGINEER.
 - ALL CONTRACTOR'S ACTIVITIES SHALL BE LIMITED TO THE STAGE 3 AREA AS SHOWN.
 - ALL CONSTRUCTION EQUIPMENT WILL BE LIMITED TO A HEIGHT OF 25 FEET UNLESS PRIOR APPROVAL GIVEN BY THE ENGINEER.
 - SEE CONSTRUCTION AND SAFETY NOTES.
 - STAGE 3A MUST BE COMPLETE PRIOR TO STAGE 3B START. STAGE 3B MUST BE COMPLETE PRIOR TO STAGE 3C START.
 - THE FOLLOWING ITEMS ARE TO BE COMPLETED IN STAGE 3A:
 - PLACE BARRICADES AS SHOWN WITHIN STAGE 3A LIMITS.
 - INSTALL TEMPORARY SOIL EROSION CONTROL MEASURES AS REQUIRED.
 - COMPLETE MILLING OF EXISTING PAVEMENT WITHIN STAGE 3A LIMITS.
 - COMPLETE PAVEMENT REMOVAL AND EARTH REMOVAL WITHIN STAGE 3A LIMITS.
 - PLACE STORM SEWER AND STRUCTURES WITHIN STAGE 3A LIMITS.
 - ADJUST HEIGHT OF EXISTING STORM SEWER STRUCTURES WITHIN STAGE 3A LIMITS.
 - PLACE AGGREGATE BASE FOR ROAD RELOCATION WITHIN STAGE 3A LIMITS.
 - CONSTRUCT BITUMINOUS BINDER AND LEVELING COURSE WITHIN STAGE 3A LIMITS.
 - REGRADE SHOULDERS AND SWALES WITHIN STAGE 3A LIMITS.

STAGE 3A, 3B AND 3C (CONT.)

- NOTES (CONT.):
- THE FOLLOWING ITEMS ARE TO BE COMPLETED IN STAGE 3B (STAGE 3B WORK MUST BE COMPLETED WITHIN 2 WORKING DAYS)
- PLACE BARRICADES AS SHOWN WITHIN STAGE 3B LIMITS.
 - COMPLETE MILLING OF EXISTING PAVEMENT WITHIN STAGE 3B LIMITS.
 - CONSTRUCT BITUMINOUS BINDER AND LEVELING COURSE WITHIN STAGE 3B LIMITS.
 - REGRADE SHOULDERS WITHIN STAGE 3B LIMITS.
 - CONSTRUCT BITUMINOUS SURFACE COURSE FOR STAGES 3A AND 3B.
 - PLACE TOPSOIL, SEEDING AND MULCHING WITHIN STAGE 3B LIMITS.
 - PLACE ROADWAY SIGNING AND PAVEMENT MARKINGS WITHIN STAGE 3B LIMITS.
 - REMOVE TEMPORARY BARRICADES WITHIN STAGE 3B LIMITS.
 - REMOVE ANY REMAINING DEBRIS AND SWEEP PAVEMENTS WITHIN STAGE 3B LIMITS.
 - THE FOLLOWING ITEMS ARE TO BE COMPLETED IN STAGE 3C:
 - PLACE BARRICADES AS SHOWN WITHIN STAGE 3C LIMITS.
 - PLACE TOPSOIL, SEEDING AND MULCHING WITHIN STAGE 3C LIMITS.
 - PLACE ROADWAY SIGNING AND PAVEMENT MARKINGS WITHIN STAGE 3C LIMITS.
 - REMOVE TEMPORARY BARRICADES WITHIN STAGE 3C LIMITS.
 - REMOVE ALL REMAINING SOIL EROSION CONTROL MEASURES ONCE A STAND OF GRASS HAS BEEN ESTABLISHED.
 - REMOVE ANY REMAINING DEBRIS AND SWEEP PAVEMENTS WITHIN STAGE 3 LIMITS.

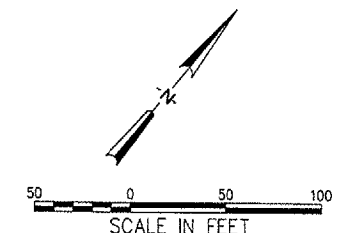
STAGES 3A AND 3C



CONTRACTOR SHALL RESEED AREA AT COMPLETION

IDOT STANDARD 701.301-02 TO BE USED FOR TRAFFIC CONTROL DURING STAGE 3B, SEE DETAIL, PAID UNDER ITEM AR800330.

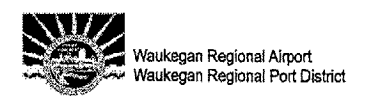
NOTE:
CONTRACTOR SHALL HAUL EXCESS UNCLASSIFIED EARTH EXCAVATION TO SECTION 2 STOCKPILE.



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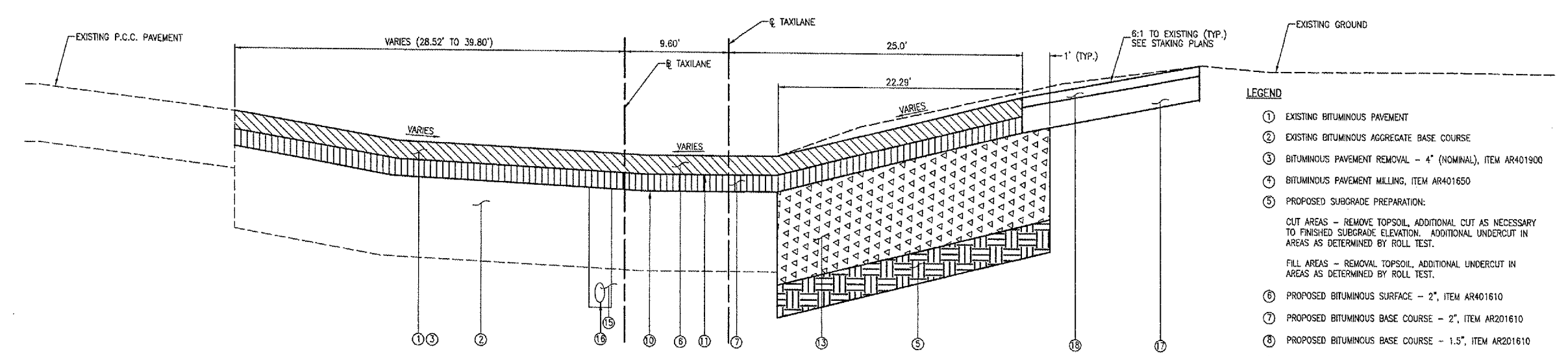
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

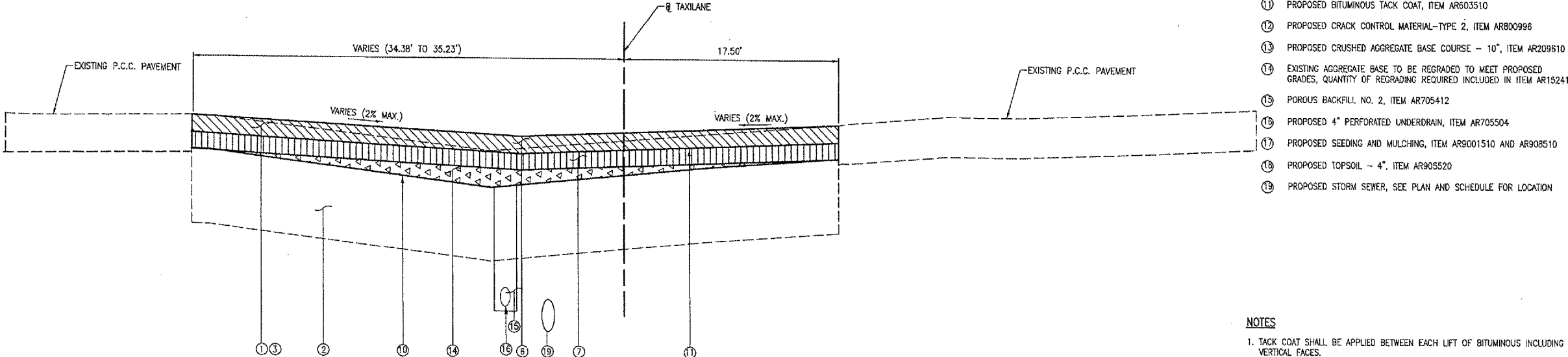


PROPOSED FAST TAXILANE NEW PAVEMENT CONSTRUCTION
(SECTION SHOWN LOOKING SOUTH)
STA 9+43.80 TO STA 10+40.77

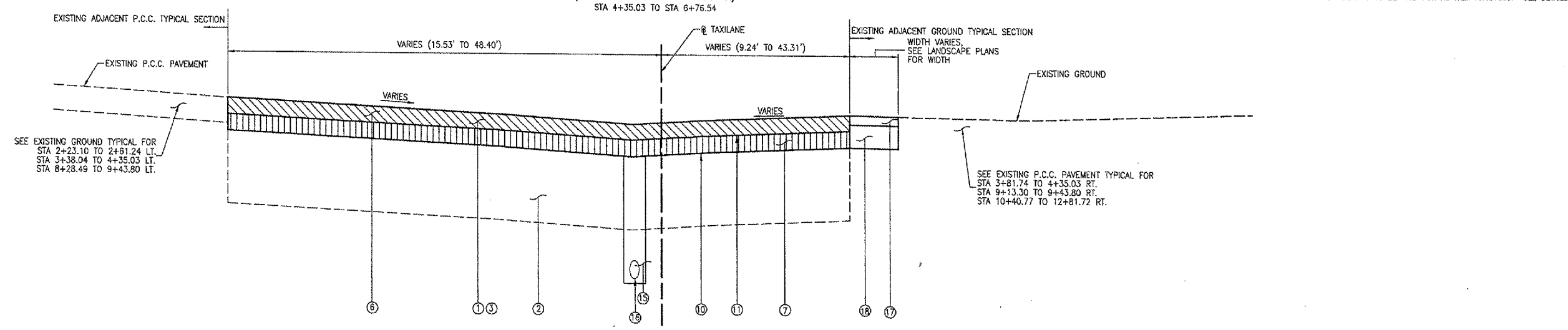
- LEGEND
1 EXISTING BITUMINOUS PAVEMENT
2 EXISTING BITUMINOUS AGGREGATE BASE COURSE
3 BITUMINOUS PAVEMENT REMOVAL - 4" (NOMINAL), ITEM AR401900
4 BITUMINOUS PAVEMENT MILLING, ITEM AR401650
5 PROPOSED SUBGRADE PREPARATION:
CUT AREAS - REMOVE TOPSOIL, ADDITIONAL CUT AS NECESSARY TO FINISHED SUBGRADE ELEVATION, ADDITIONAL UNDERCUT IN AREAS AS DETERMINED BY ROLL TEST.
FILL AREAS - REMOVAL TOPSOIL, ADDITIONAL UNDERCUT IN AREAS AS DETERMINED BY ROLL TEST.
6 PROPOSED BITUMINOUS SURFACE - 2", ITEM AR401610
7 PROPOSED BITUMINOUS BASE COURSE - 2", ITEM AR201610
8 PROPOSED BITUMINOUS BASE COURSE - 1.5", ITEM AR201610
9 PROPOSED BITUMINOUS BASE COURSE, LEVELING (DEPTH RANGE OF 1.9" TO 8.5"), ITEM AR201620
10 PROPOSED BITUMINOUS PRIME COAT, ITEM AR602510
11 PROPOSED BITUMINOUS TACK COAT, ITEM AR603510
12 PROPOSED CRACK CONTROL MATERIAL-TYPE 2, ITEM AR800996
13 PROPOSED CRUSHED AGGREGATE BASE COURSE - 10", ITEM AR209510
14 EXISTING AGGREGATE BASE TO BE REGRADED TO MEET PROPOSED GRADES, QUANTITY OF REGRADED INCLUDED IN ITEM AR152410.
15 POROUS BACKFILL NO. 2, ITEM AR705412
16 PROPOSED 4" PERFORATED UNDERDRAIN, ITEM AR705504
17 PROPOSED SEEDING AND MULCHING, ITEM AR9001510 AND AR908510
18 PROPOSED TOPSOIL - 4", ITEM AR905520
19 PROPOSED STORM SEWER, SEE PLAN AND SCHEDULE FOR LOCATION

- NOTES
1. TACK COAT SHALL BE APPLIED BETWEEN EACH LIFT OF BITUMINOUS INCLUDING VERTICAL FACES.
2. BITUMINOUS PAVEMENT SAWING TO BE PAID AS ITEM AR401665. SEE DETAILS.
3. BITUMINOUS JOINT SEALING TO BE PAID FOR AS ITEM AR401660. SEE DETAILS.

Table with 4 columns: No., Drawing Issue Description, Date, By. The table is currently empty.



PROPOSED WEST TAXILANE GRADE ADJUSTMENT AND OVERLAY
(SECTION SHOWN LOOKING SOUTH)
STA 4+35.03 TO STA 6+76.54



PROPOSED WEST AND EAST TAXILANE OVERLAY
(SECTION SHOWN LOOKING SOUTH)
STA 2+23.10 TO STA 4+35.03
STA 8+28.49 TO STA 9+43.80
STA 10+40.77 TO STA 12+81.72

Date MAY 06, 2005
Sheet Title

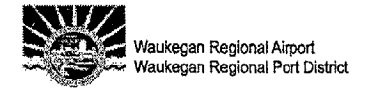
TAXILANES TYPICAL SECTIONS

Table with project details: 831-04TXD, Project Number, RPH, 02-13-05, Layout By, Date, RPH, 02-14-05, Designed By, Date, RM-HTMM, 04-11-05, Reviewed By, Date, RPH, Drawn By, Sheet No.



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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

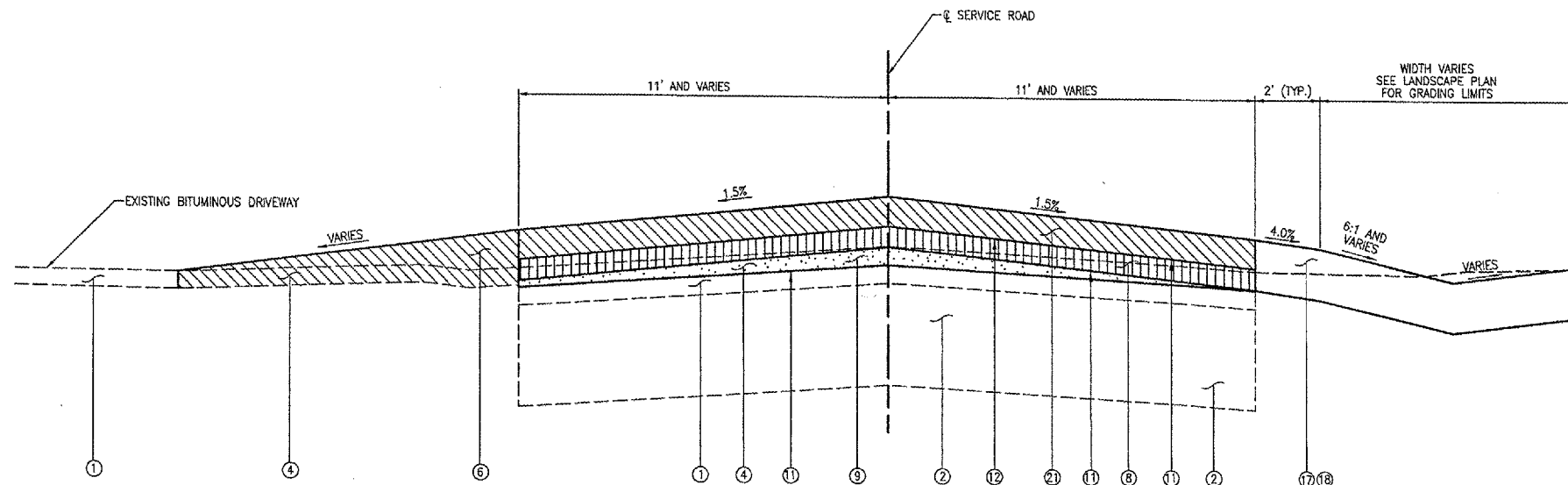
A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

LEGEND

- ① EXISTING BITUMINOUS PAVEMENT
- ② EXISTING BITUMINOUS AGGREGATE BASE COURSE
- ③ BITUMINOUS PAVEMENT REMOVAL - 4" (NOMINAL), ITEM AR401900
- ④ BITUMINOUS PAVEMENT MILLING, ITEM AR401650
- ⑤ PROPOSED SUBGRADE PREPARATION:
CUT AREAS - REMOVE TOPSOIL, ADDITIONAL CUT AS NECESSARY TO FINISHED SUBGRADE ELEVATION. ADDITIONAL UNDERCUT IN AREAS AS DETERMINED BY ROLL TEST.
FILL AREAS - REMOVAL TOPSOIL, ADDITIONAL UNDERCUT IN AREAS AS DETERMINED BY ROLL TEST.
- ⑥ PROPOSED BITUMINOUS SURFACE - 2", ITEM AR401610
- ⑦ PROPOSED BITUMINOUS BASE COURSE - 2", ITEM AR201610
- ⑧ PROPOSED BITUMINOUS BASE COURSE - 1.5", ITEM AR201610
- ⑨ PROPOSED BITUMINOUS BASE COURSE, LEVELING, (DEPTH RANGE OF 0.0" TO 8.5"), ITEM AR201620
- ⑩ PROPOSED BITUMINOUS PRIME COAT, ITEM AR602510
- ⑪ PROPOSED BITUMINOUS TACK COAT, ITEM AR603510
- ⑫ PROPOSED CRACK CONTROL MATERIAL-TYPE 2, ITEM AR800996
- ⑬ PROPOSED CRUSHED AGGREGATE BASE COURSE - 10", ITEM AR209610
- ⑭ EXISTING AGGREGATE BASE COURSE TO BE REGRADED TO MEET PROPOSED GRADES, QUANTITY OF REGRADED REQUIRED INCLUDED IN ITEM AR152410
- ⑮ POROUS BACKFILL NO. 2, ITEM AR705412
- ⑯ PROPOSED 4" PERFORATED UNDERDRAIN, ITEM AR705504
- ⑰ PROPOSED SEEDING AND MULCHING, ITEM AR901510 AND AR908510
- ⑱ PROPOSED TOPSOIL - 4", ITEM AR905520
- ⑲ PROPOSED STORM SEWER, SEE PLAN AND SCHEDULE FOR LOCATION
- ⑳ EXISTING AGGREGATE BASE COURSE TO BE REMOVED, PAID UNDER ITEM AR152410
- ㉑ PROPOSED BITUMINOUS SURFACE - 1.5", ITEM AR401610

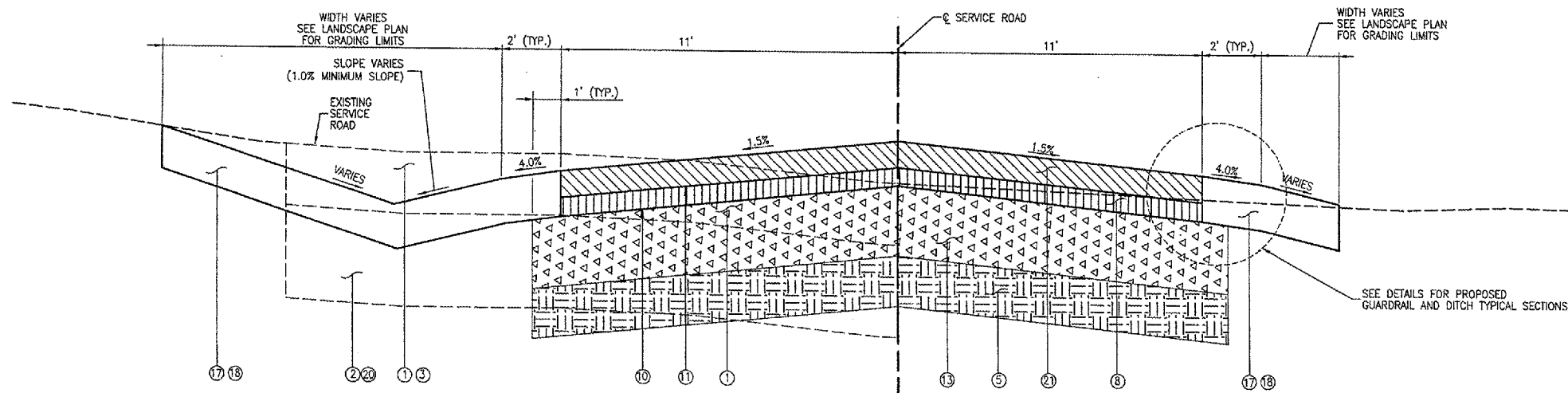
NOTES

1. TACK COAT SHALL BE APPLIED BETWEEN EACH LIFT OF BITUMINOUS INCLUDING VERTICAL FACES.
2. BITUMINOUS PAVEMENT SAWING TO BE PAID AS ITEM AR401665. SEE DETAILS.
3. BITUMINOUS JOINT SEALING TO BE PAID FOR AS ITEM AR401660. SEE DETAILS.



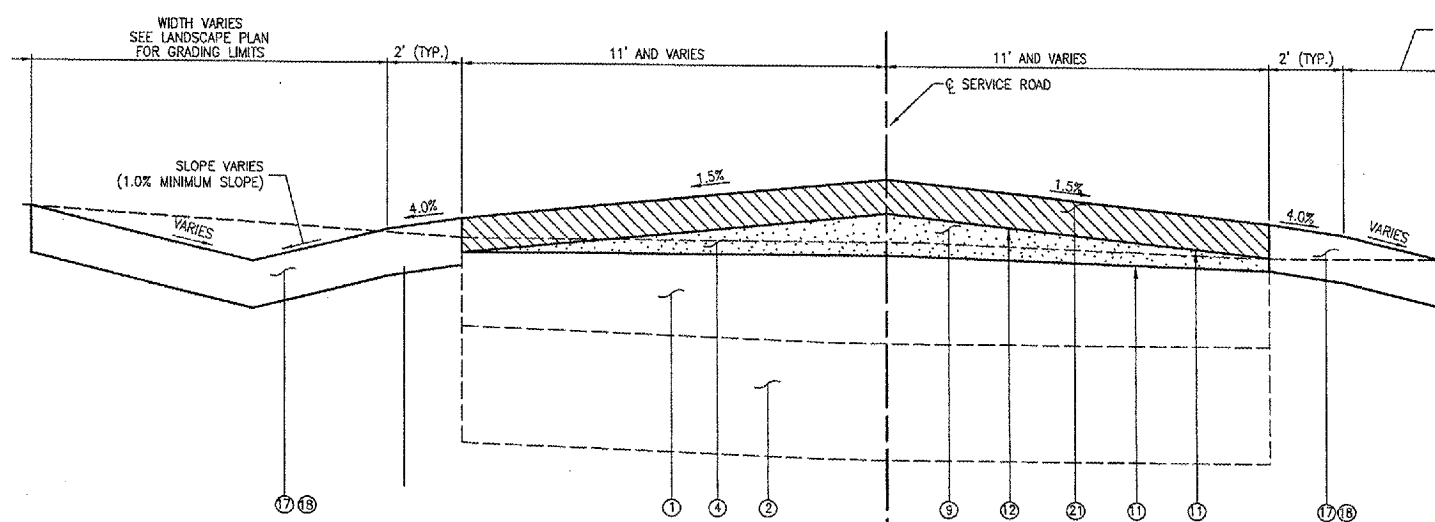
PROPOSED SERVICE ROAD - EAST END
(SECTION LOOKING EAST)
STA 27+71.18 TO STA 33+22.17

NOTE: PAVEMENT MILLING TO BE 1" THICK FOR THIS AREA.



PROPOSED SERVICE ROAD - PROPOSED PAVEMENT SECTION
(SECTION LOOKING EAST)
STA 24+00 TO STA 27+71.28

SEE DETAILS FOR PROPOSED GUARDRAIL AND DITCH TYPICAL SECTIONS.



PROPOSED SERVICE ROAD - WEST END
(SECTION LOOKING EAST)
STA 20+50.88 TO STA 24+00

NOTE: PAVEMENT MILLING TO BE 1" THICK FOR THIS AREA.

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005

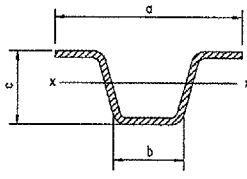
SERVICE ROAD TYPICAL SECTIONS

831-04TXD
Project Number
RPH 02-13-05
Layout By Date
RPH 02-14-05
Designed By Date
RM/HTMM 02-15-05
Reviewed By Date
RPH
Drawn By

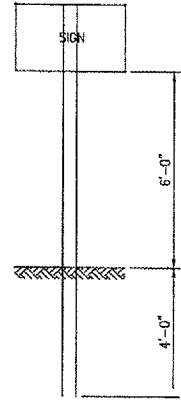
06/08/2005, 09:42 PM
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NOTES:

- DIMENSIONS FOR CROSS SECTIONS ARE MINIMUM.
- Sx-x IS THE MINIMUM SECTION MODULUS ABOUT THE X-X AXIS OF THE POST AS SHOWN. FOR POST IN WHICH HOLES ARE PUNCHED OR DRILLED FOR MORE THAN HALF THEIR LENGTH, Sx-x SHALL BE COMPUTED FOR THE NEXT SECTION.
- SOIL PRESSURE: MINIMUM ALLOWABLE SOIL PRESSURE = 1.25 TSF (120 KLA).
- ALL HOLES ARE 3/8" (10mm) IN DIAMETER.
- LOADING FOR 60 MPH (95 km/h) WIND VELOCITY WITH 30% GUST FACTOR, NORMAL TO SIGN.
- MATERIALS: POST SHALL BE STRUCTURAL STEEL-BREAKAWAY CONFORMING WITH THE REQUIREMENTS OF SECTION 1093.01 OF THE IDOT SPECIFICATIONS. BOLTS, NUTS AND WASHERS SHALL BE HIGH-STRENGTH STEEL, GALVANIZED AND SHALL CONFORM TO SECTION 1006.08 OF THE IDOT SPECIFICATIONS.
- IN AREAS WHERE POSTS PENETRATE PAVEMENT, THE PAVEMENT SHALL BE CORED. AFTER THE POST IS SET, THE HOLE SHALL BE GROUTED WITH AN IDOT APPROVED NON-SHRINK GROUT. COST INCIDENTAL TO SIGN.

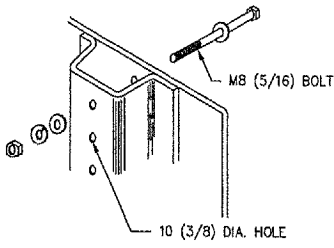


SECTION



ONE POST INSTALLATION

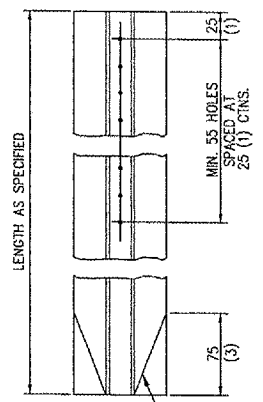
TYPE B		a	b	c	Sx-x mm ³ (in. ³)	kg/m (lb./ft.)
		STEEL	81 (3 3/16)	32 (1 1/4)	38 (1 1/2)	5.588 (0.341)
ALUMINUM		118 (4 5/8)	57 (2 1/4)	60 (2 3/8)	14.552 (0.888)	1.93 (1.30)



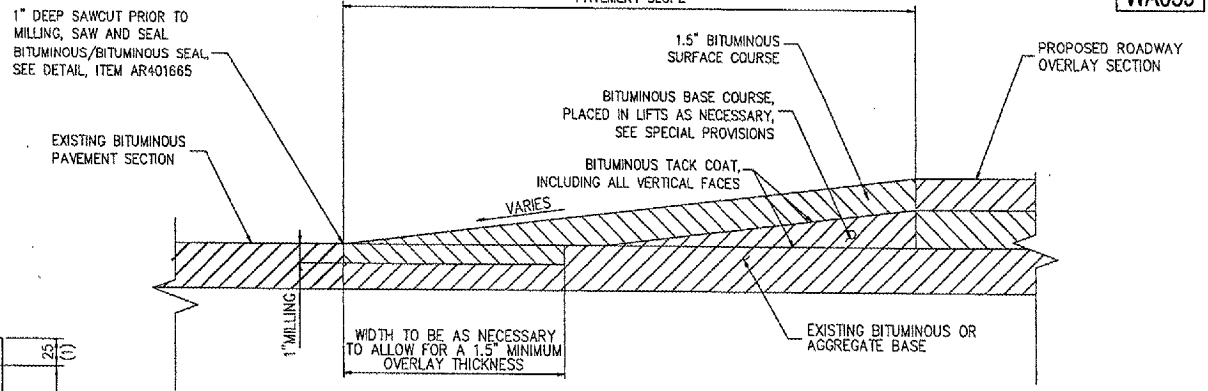
NOTE: MINIMUM OF 2 BOLTS PER POST REQUIRED

DETAIL OF MOUNTING SIGN TO POST

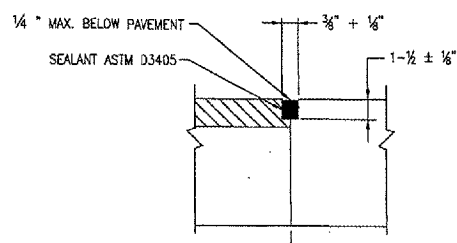
ROADWAY SIGN POST
(IDOT STANDARD 72001)



TYPE B



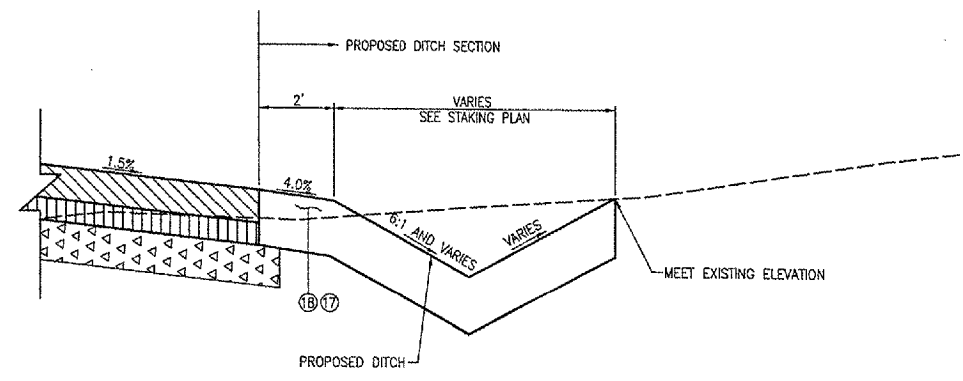
BITUMINOUS TAPER DETAIL



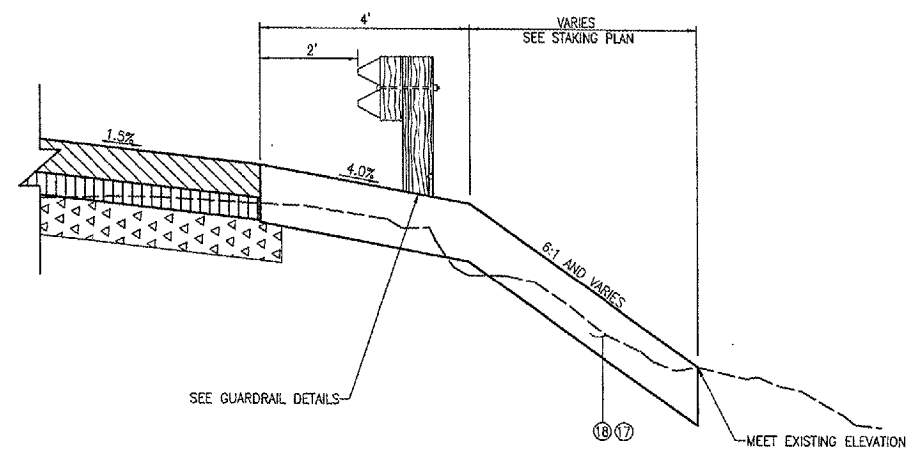
PROPOSED/OVERLAIN BITUMINOUS PAVEMENT EXISTING BITUMINOUS PAVEMENT

NOTE: BITUMINOUS JOINT SEALING TO BE PAID FOR AS ITEM AR401660

PROPOSED BITUMINOUS/BITUMINOUS SEAL



PROPOSED ROADSIDE DITCH
(SECTION LOOKING EAST)
STA. 26+47.95 TO STA. 27+71.28



PROPOSED GUARDRAIL DETAIL
(SECTION LOOKING EAST)
STA. 24+43.28 TO STA. 26+47.95

DETAILS SHOWN ARE NOT TO SCALE

WA055



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REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date
Sheet Title
MAY 06, 2005

TYPICAL SECTION DETAILS

831-04TXD
Project Number
DSY 3/3/05
Layout By Date
RPH 3/3/05
Designed By Date
RM/HTM 4/11/05
Reviewed By Date
RPH DSY
Drawn By

05/06/2005, 09:13 PM
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HANSON PROFESSIONAL SERVICES INC.

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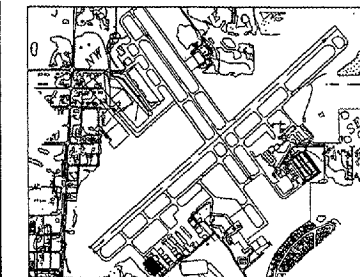


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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



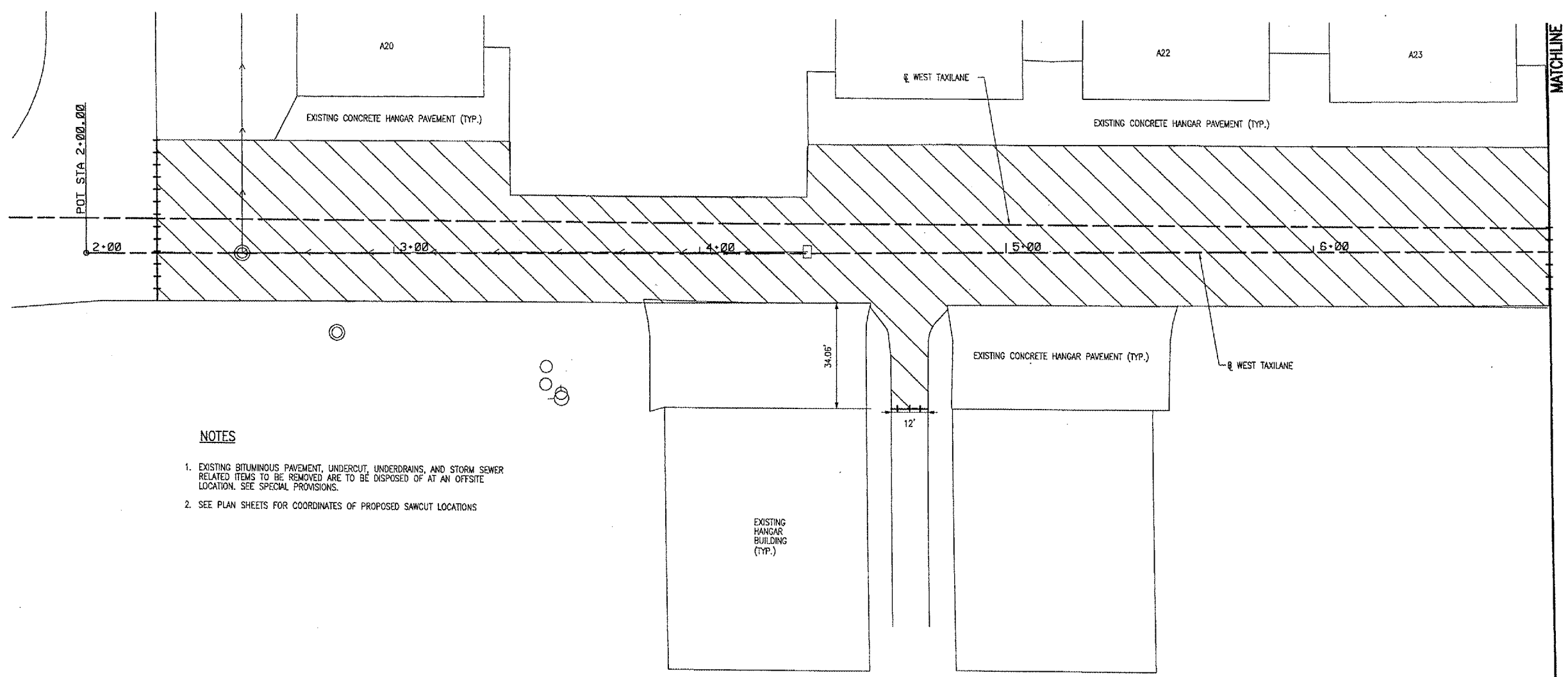
KEY MAP

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005

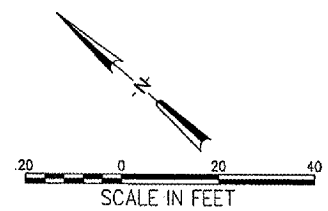
SAWCUTTING AND PAVEMENT REMOVAL WEST TAXILANE

831-04TXD	
Project Number	
RPH	02/22/05
Layout By	Date
RPH	03/02/05
Designed By	Date
RMH/TMM	04/11/06
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.



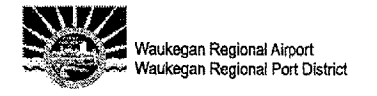
- NOTES**
- EXISTING BITUMINOUS PAVEMENT, UNDERCUT, UNDERDRAINS, AND STORM SEWER RELATED ITEMS TO BE REMOVED ARE TO BE DISPOSED OF AT AN OFFSITE LOCATION. SEE SPECIAL PROVISIONS.
 - SEE PLAN SHEETS FOR COORDINATES OF PROPOSED SAWCUT LOCATIONS

- LEGEND**
- EXISTING STORM SEWER
 - EXISTING STORM SEWER MANHOLE
 - EXISTING STORM SEWER INLET
 - EXISTING WATER VALVE
 - EXISTING TELEPHONE BOX
 - EXISTING ELECTRICAL BOX
 - PROPOSED SAWCUT, ITEM 401665
 - BITUMINOUS PAVEMENT REMOVAL, 4" (NOMINAL) ITEM AR401900
 - BITUMINOUS PAVEMENT MILLING, 1" ITEM AR401650
 - BITUMINOUS PAVEMENT REMOVAL, ITEM 401900 AGGREGATE BASE COURSE REMOVAL QUANTITY INCLUDED IN ITEM AR152410





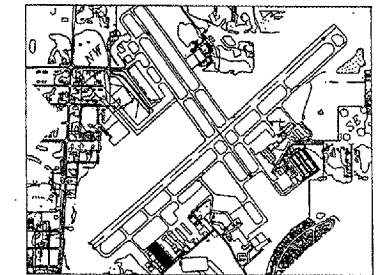
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Waukegan Regional Airport
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
 IL. PROJ.: UGN-3449

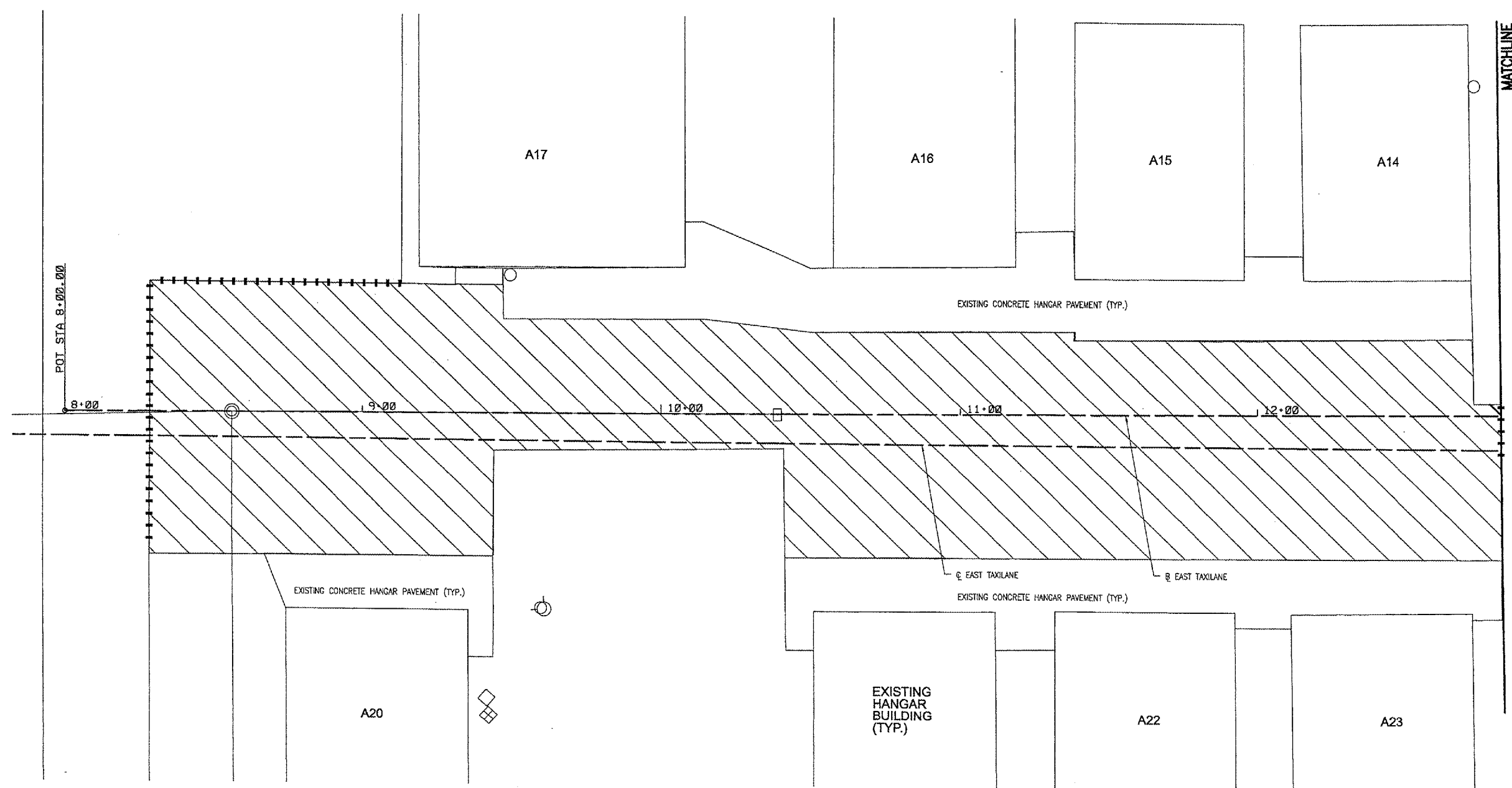


No.	Drawing Issue Description	Date	By

Date: MAY 05, 2005
 Sheet Title

SAWCUTTING AND PAVEMENT REMOVAL EAST TAXILANE

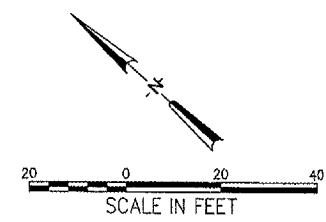
831-04TXVD
 Project Number
 RPH 02/22/05
 Layout By Date
 RPH 03/02/05
 Designed By Date
 TMM/RPH 04/11/05
 Reviewed By Date
 RPH DSY
 Drawn By Sheet No.



- LEGEND**
- EXISTING STORM SEWER
 - EXISTING STORM SEWER MANHOLE
 - EXISTING STORM SEWER INLET
 - EXISTING WATER VALVE
 - EXISTING TELEPHONE BOX
 - EXISTING ELECTRICAL BOX
 - PROPOSED SAWCUT, ITEM 401665
 - BITUMINOUS PAVEMENT REMOVAL, 4" (NOMINAL) ITEM AR401900
 - BITUMINOUS PAVEMENT MILLING, 1" ITEM AR401650
 - BITUMINOUS PAVEMENT REMOVAL, ITEM 401900 AGGREGATE BASE COURSE REMOVAL, QUANTITY INCLUDED IN ITEM AR152410

NOTES

1. EXISTING BITUMINOUS PAVEMENT, UNDERCUT, UNDERDRAINS, AND STORM SEWER RELATED ITEMS TO BE REMOVED ARE TO BE DISPOSED OF AT AN OFFSITE LOCATION. SEE SPECIAL PROVISIONS.
2. SEE PLAN SHEETS FOR COORDINATES OF PROPOSED SAWCUT LOCATIONS



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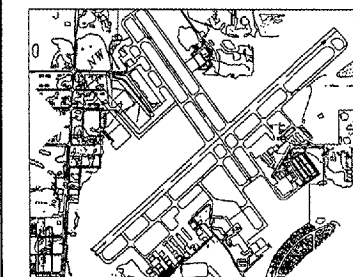


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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

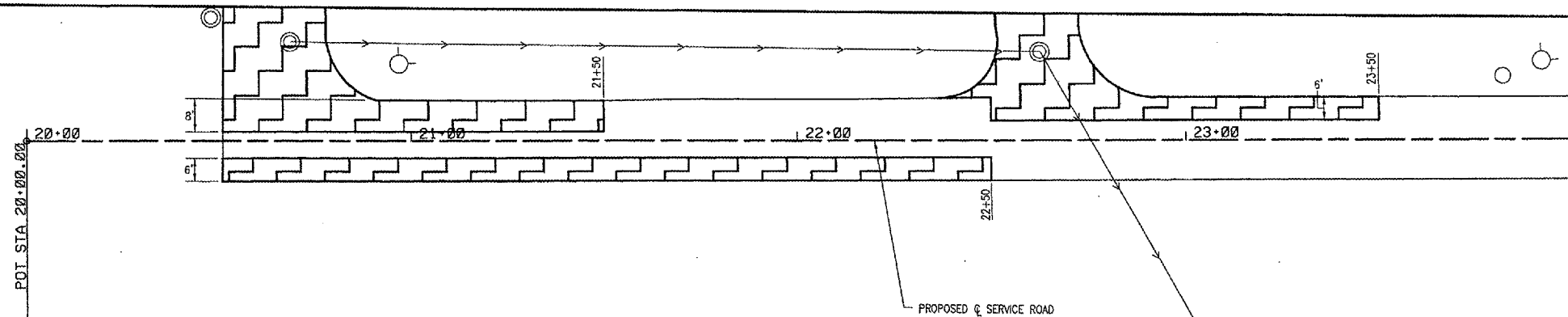
Date
Sheet Title
MAY 06, 2005

**SAWCUTTING AND
PAVEMENT REMOVAL
STA 20+00 TO STA 24+00**

831-04TXD
Project Number
RPH 1/22/05
Layout By Date
RPH 03/02/05
Designed By Date
TMMRMH 04/11/05
Reviewed By Date
RPH DSY
Drawn By Sheet No.

MATCHLINE

MATCHLINE

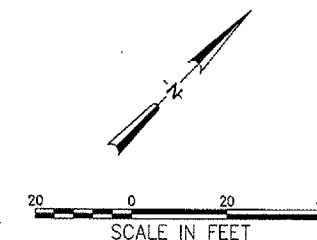


LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- PROPOSED SAWCUT, ITEM 401665
- BITUMINOUS PAVEMENT REMOVAL, ITEM AR401900
- BITUMINOUS PAVEMENT MILLING, ITEM AR401650
- BITUMINOUS PAVEMENT REMOVAL, ITEM 401900
AGGREGATE BASE COURSE REMOVAL, QUANTITY
INCLUDED IN ITEM AR182410

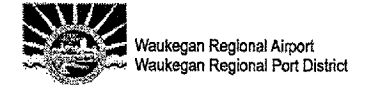
NOTES

- EXISTING BITUMINOUS PAVEMENT, UNDERCUT, UNDERDRAINS, AND STORM SEWER RELATED ITEMS TO BE REMOVED ARE TO BE DISPOSED OF AT AN OFFSITE LOCATION. SEE SPECIAL PROVISIONS.
- SEE PLAN SHEETS FOR COORDINATES OF PROPOSED SAWCUT LOCATIONS.
- BUTUMINOUS PAVEMENT MILLING TO BE COMPLETED AS NECESSARY ALONG SERVICE ROAD TO THE BOTTOM OF THE PROPOSED BASE COURSE ELEVATION. CONTRACTOR TO FIELD VERIFY REQUIRED MILLING AREAS.





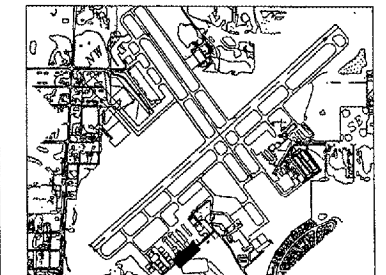
HANSON PROFESSIONAL SERVICES INC.
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
I.L. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

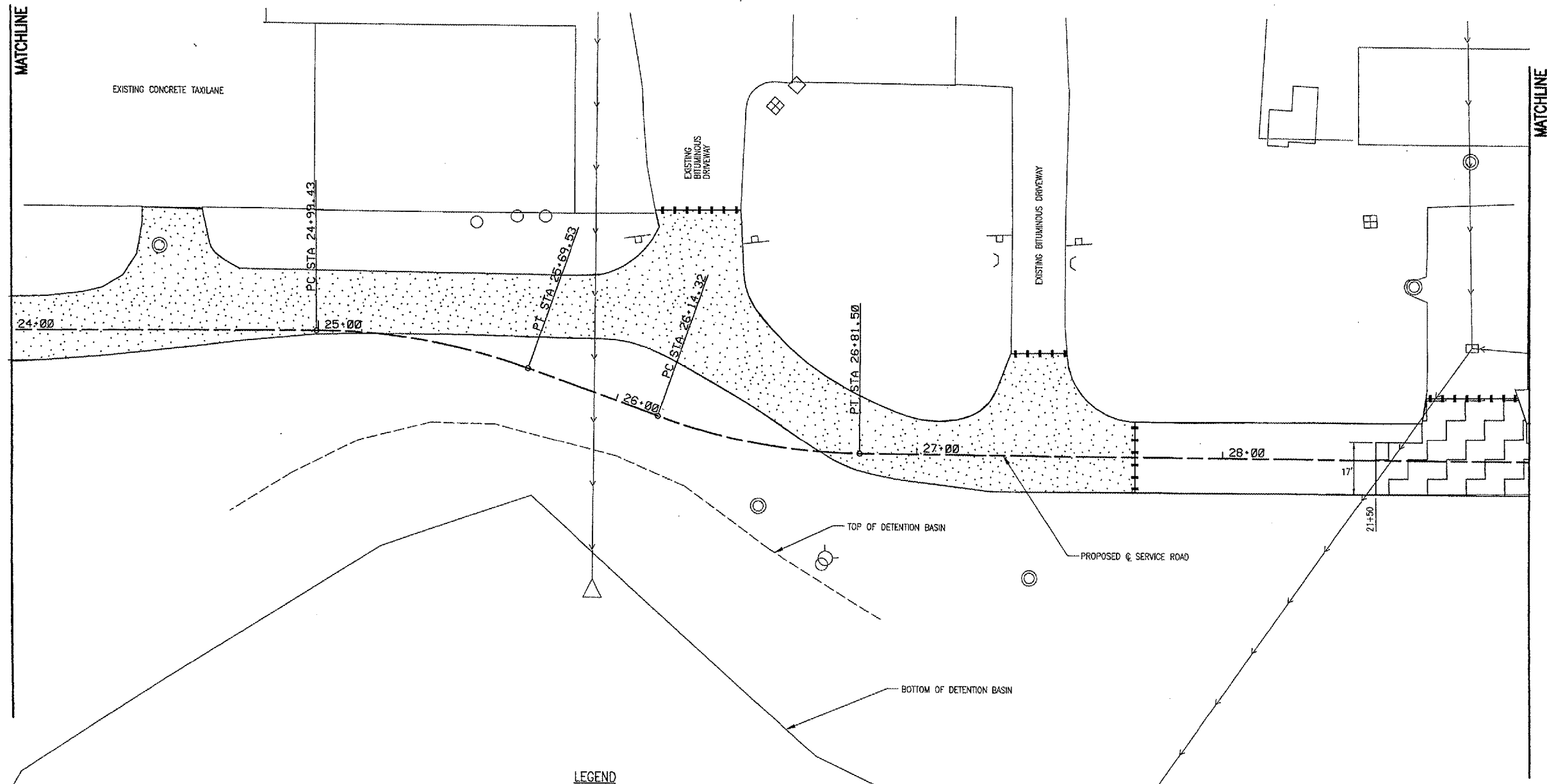
Date

Sheet Title
MAY 06, 2005

SAWCUTTING AND PAVEMENT REMOVAL STA 24+00 TO STA 29+00

831-04TXD
Project Number

RPH	02/25/05
Layout By	Date
RPH	03/02/05
Designed By	Date
RMH/TMM	04/11/05
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.

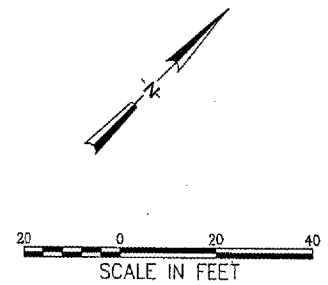


LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- PROPOSED SAWCUT, ITEM 401665
- BITUMINOUS PAVEMENT REMOVAL, ITEM AR401900
- BITUMINOUS PAVEMENT MILLING, ITEM AR401650
- BITUMINOUS PAVEMENT REMOVAL, ITEM 401900
AGGREGATE BASE COURSE REMOVAL, QUANTITY INCLUDED IN ITEM AR152410

NOTES

1. EXISTING BITUMINOUS PAVEMENT, UNDERCUT, UNDERDRAINS, AND STORM SEWER RELATED ITEMS TO BE REMOVED ARE TO BE DISPOSED OF AT AN OFFSITE LOCATION. SEE SPECIAL PROVISIONS.
2. SEE PLAN SHEETS FOR COORDINATES OF PROPOSED SAWCUT LOCATIONS.
3. BITUMINOUS PAVEMENT MILLING TO BE COMPLETED AS NECESSARY ALONG SERVICE ROAD TO THE BOTTOM OF THE PROPOSED BASE COURSE ELEVATION. CONTRACTOR TO FIELD VERIFY REQUIRED MILLING.

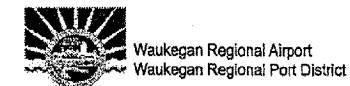


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HANSON PROFESSIONAL SERVICES INC.

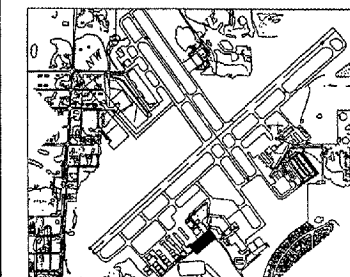
815 Commerce Drive, Suite 200
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Waukegan, Illinois 60087
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449

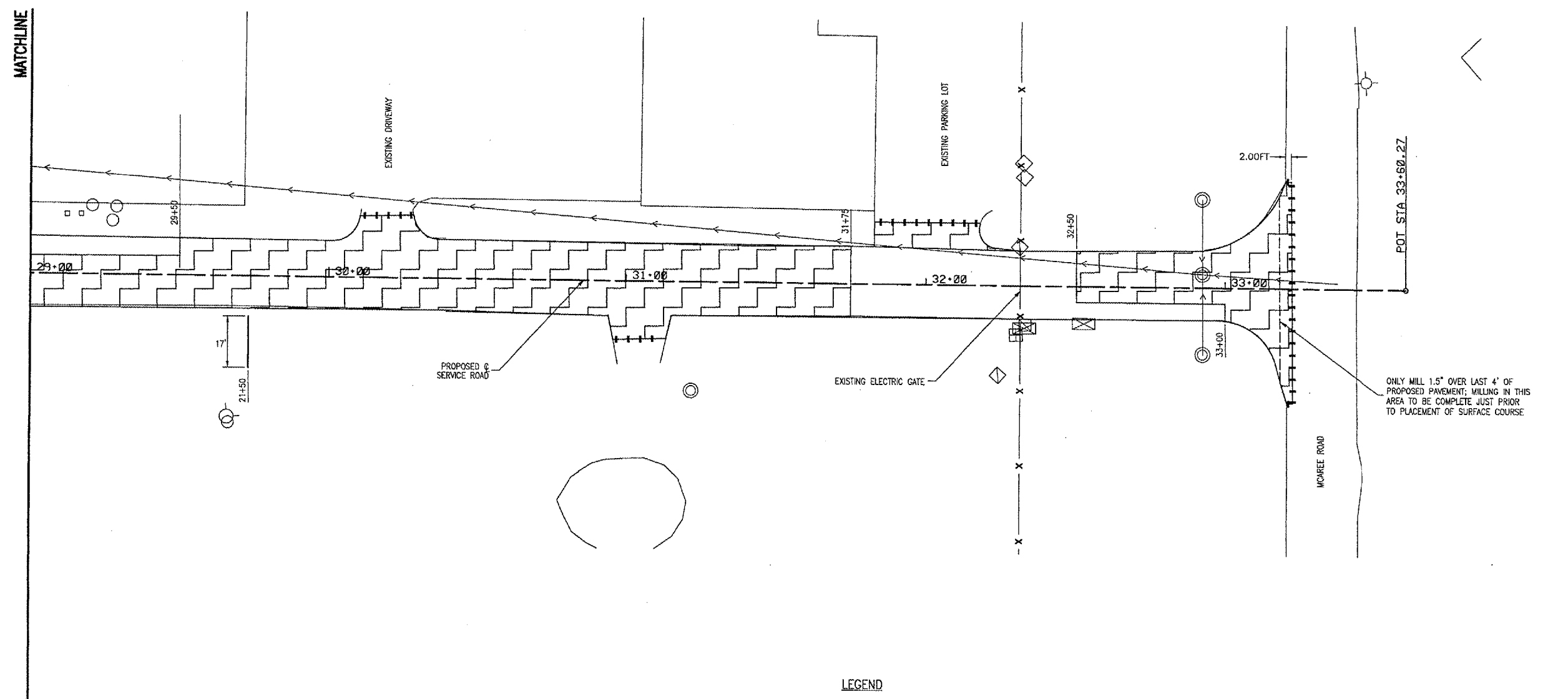


No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

SAWCUTTING AND PAVEMENT REMOVAL STA 29+00 TO STA 32+22.17

B31-04TXVD
Project Number
RPH 02/22/05
Layout By Date
RPH 03/02/05
Designed By Date
TMM/RMH 04/11/05
Reviewed By Date
RPH DSY
Drawn By

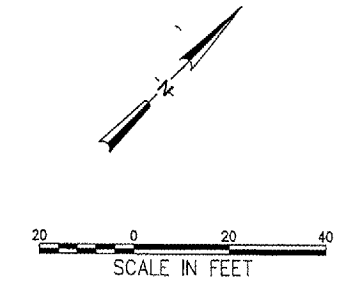


LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- PROPOSED SAWCUT, ITEM 401665
- BITUMINOUS PAVEMENT REMOVAL, ITEM AR401900
- BITUMINOUS PAVEMENT MILLING, ITEM AR401650
- BITUMINOUS PAVEMENT REMOVAL, ITEM 401900 AGGREGATE BASE COURSE REMOVAL, QUANTITY INCLUDED IN ITEM AR152410

NOTES

1. EXISTING BITUMINOUS PAVEMENT, UNDERCUT, UNDERDRAINS, AND STORM SEWER RELATED ITEMS TO BE REMOVED ARE TO BE DISPOSED OF AT AN OFFSITE LOCATION. SEE SPECIAL PROVISION.
2. SEE PLAN SHEETS FOR COORDINATES OF PROPOSED SAWCUT LOCATIONS.
3. BITUMINOUS PAVEMENT MILLING TO BE COMPLETED AS NECESSARY ALONG SERVICE ROAD TO THE BOTTOM OF THE PROPOSED BASE COURSE ELEVATION. CONTRACTOR TO FIELD VERIFY REQUIRED MILLING AREAS.

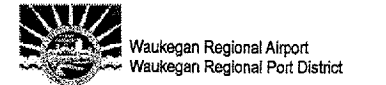


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HANSON PROFESSIONAL SERVICES INC.

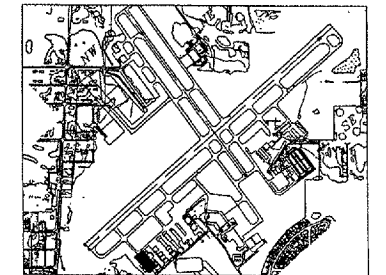
815 Commerce Drive, Suite 200
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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



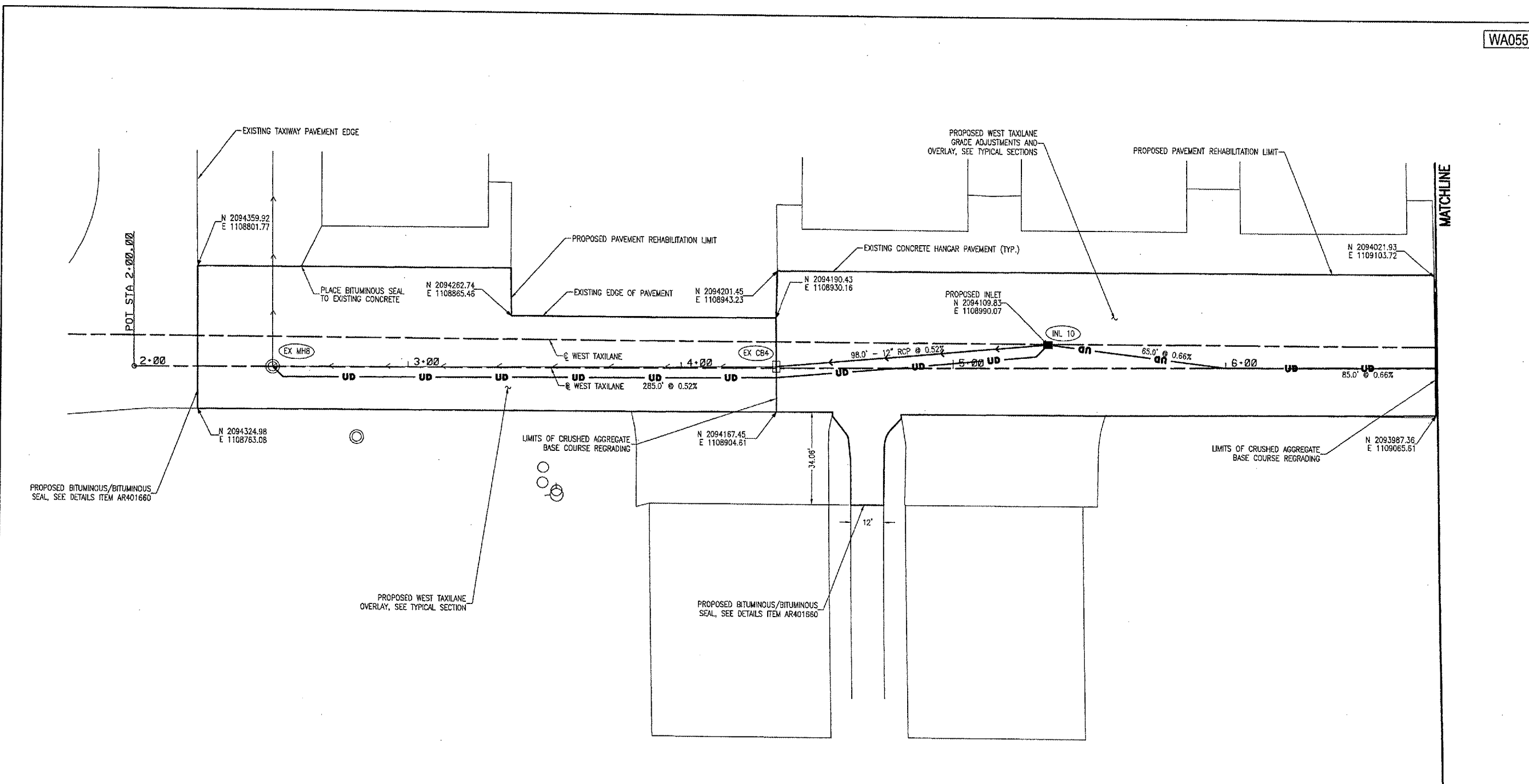
KEY MAP

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

PLAN - WEST TAXILANE

831-04TXVD
Project Number
RPH 2/25/05
Layout By Date
RPH 2/28/05
Designed By Date
RPH/TMM 04/11/05
Reviewed By Date
RPH SJM
Drawn By Sheet No.



ALIGNMENT DATA

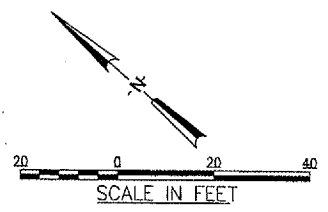
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POT ENDING OF WEST TAXIWAY	7+40.00	2093952.08	1109121.20
POT BEGINNING OF EAST TAXIWAY	8+00.00	2094491.58	1108905.99
POT ENDING OF EAST TAXIWAY	13+32.91	2094094.74	1109261.67

LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER INLET
- PROPOSED FLARED END SECTION
- NORTHING EASTING

NOTES

- FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.
- CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
- ALIGNMENT AND COORDINATES IS BASED ON STATE PLANE COORDINATES.
- THE CONTRACTOR SHALL PLACE PROPOSED TAXILANE PAVEMENT MARKINGS AFTER BITUMINOUS PAVEMENT SURFACING. THE PAVEMENT MARKING SHALL BE 1" CONTINUOUS YELLOW PLACED ALONG THE CENTERLINE OF THE TAXILANE BEGINNING AT THE NEW PAVED SURFACE TO END OF THE WEST EDGE OF THE TAXILANE. RESIDENT ENGINEER TO APPROVE MARKING LIMITS BEFORE CONTRACTOR PROCEEDS. PAVEMENT MARKINGS SHALL BE PAID FOR UNDER ITEM AR620530.

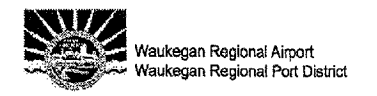


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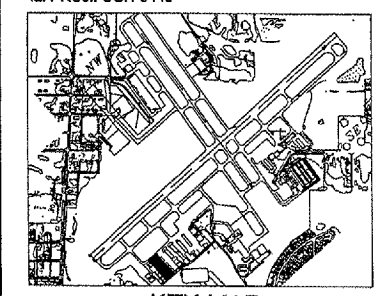
HANSON PROFESSIONAL SERVICES INC.
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Waukegan Regional Airport
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REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
I.L. PROJ.: UGN-3449



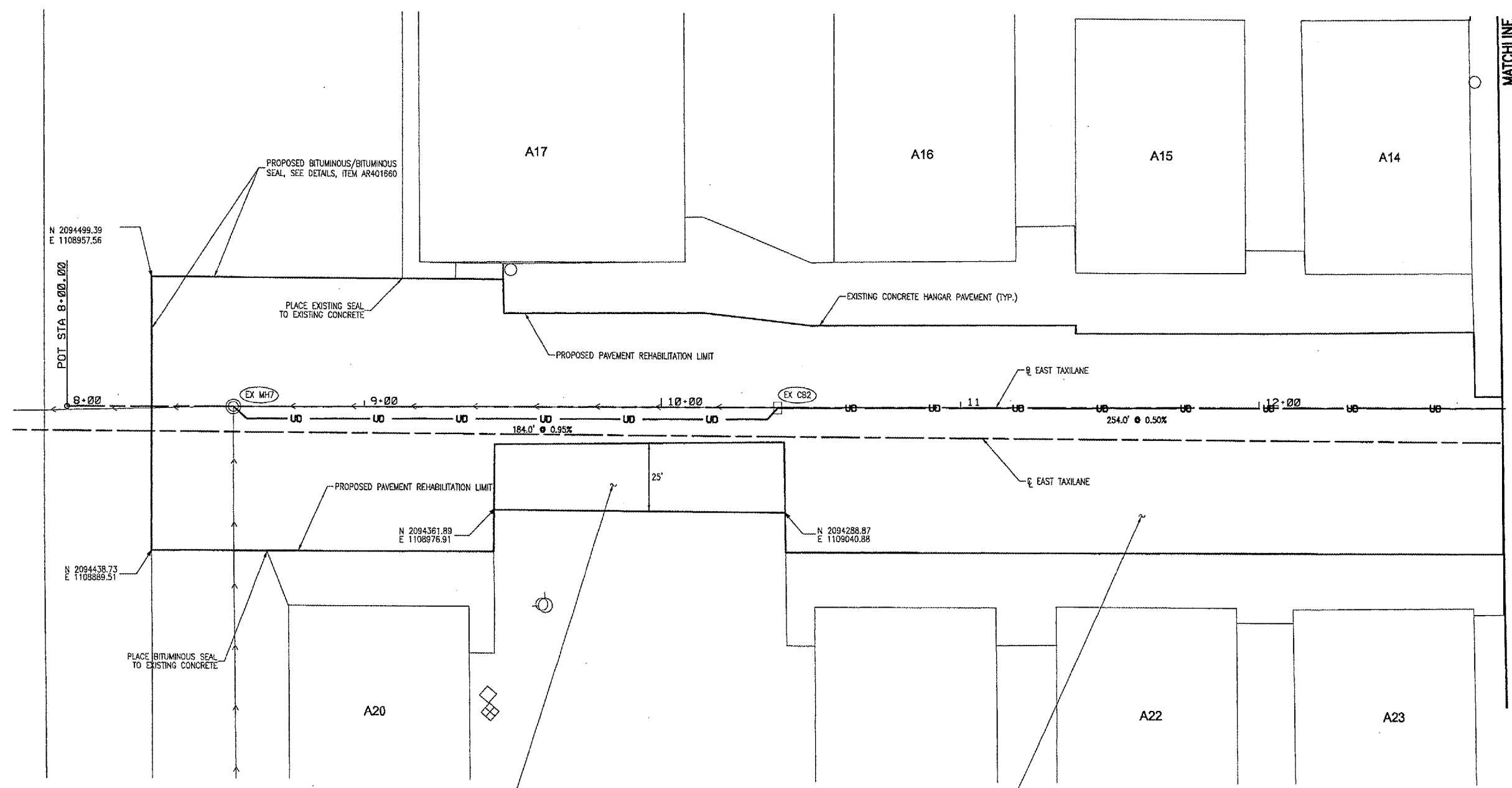
No.	Drawing Issue Description	Date	By

Date
Sheet Title
MAY 06, 2005

PLAN - EAST TAXILANE

831-04TXD	
Project Number	
RPH	02/25/05
Layout By	Date
RPH	02/28/05
Designed By	Date
TMM/RMH	04/11/05
Reviewed By	Date
RPH	SJM
Drawn By	

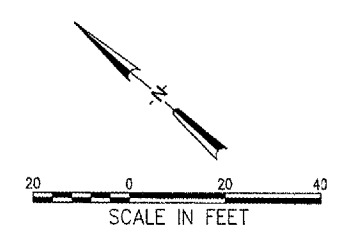
61



LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER INLET
- PROPOSED FLARED END SECTION
- NORTHING EASTING
N 2097147.90
E 1111332.46
M.E.
- MEET EXISTING
- PROPOSED BITUMINOUS TAPER

- NOTES**
- FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.
 - CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
 - ALIGNMENT AND COORDINATES IS BASED ON STATE PLANE COORDINATES.
 - THE CONTRACTOR SHALL PLACE PROPOSED TAXILANE PAVEMENT MARKINGS AFTER BITUMINOUS PAVEMENT SURFACING. THE PAVEMENT MARKING SHALL BE 1' CONTINUOUS YELLOW PLACED ALONG THE CENTERLINE OF THE TAXILANE BEGINNING AT THE NEW PAVED SURFACE TO THE END OF THE WEST EDGE OF THE TAXILANE. RESIDENT ENGINEER TO APPROVE MARKING LIMITS BEFORE CONTRACTOR PROCEEDS. PAVEMENT MARKINGS SHALL BE PAID FOR UNDER ITEM AR620530.
 - SEE PLAN - WEST TAXILANE FOR ALIGNMENT DATA.

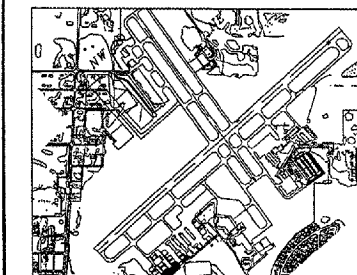


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**HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

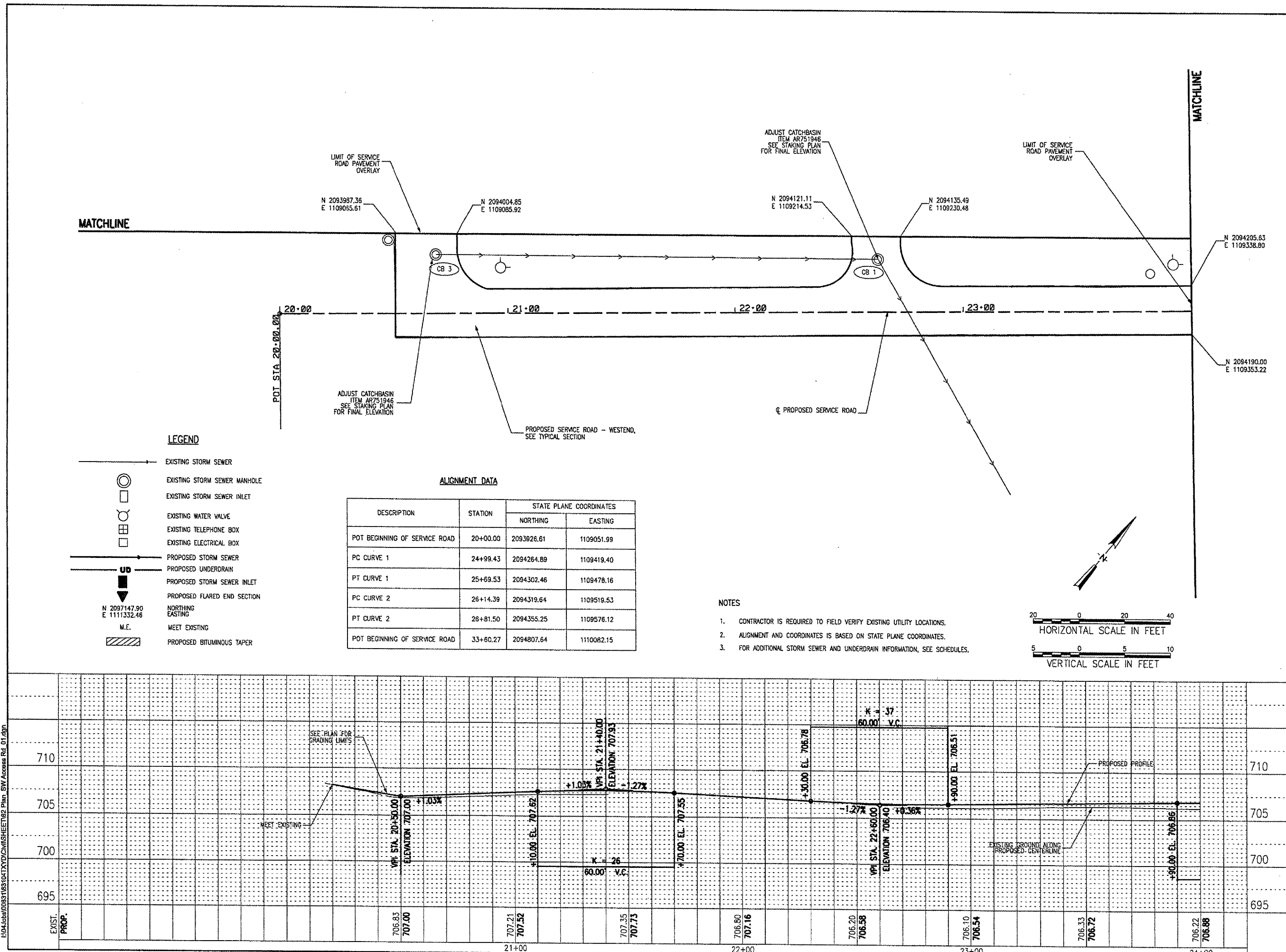
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MAY 06, 2005

Sheet Title

**SERVICE ROAD PLAN
STA 20+50 TO 24+00**

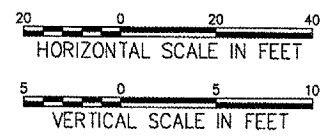
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Layout By	Date
RPH	02/22/05
Designed By	Date
RMH/TMM	04/11/05
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.



ALIGNMENT DATA

DESCRIPTION	STATION	STATE PLANE COORDINATES	
		NORTHING	EASTING
POT BEGINNING OF SERVICE ROAD	20+00.00	2093926.61	1109051.99
PC CURVE 1	24+99.43	2094264.89	1109419.40
PT CURVE 1	25+69.53	2094302.46	1109478.16
PC CURVE 2	26+14.39	2094319.64	1109519.53
PT CURVE 2	26+81.50	2094355.25	1109576.12
POT BEGINNING OF SERVICE ROAD	33+60.27	2094807.64	1110082.15

- NOTES
1. CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
 2. ALIGNMENT AND COORDINATES IS BASED ON STATE PLANE COORDINATES.
 3. FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.



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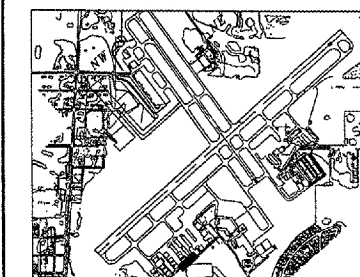


Waukegan Regional Airport
Waukegan Regional Port District

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Waukegan, Illinois 60087
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HANGAR AND TAXIWAY PAVEMENT REHABILITATION, HANGAR SITE PREPARATION, AND SERVICE ROAD OVERLAY

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

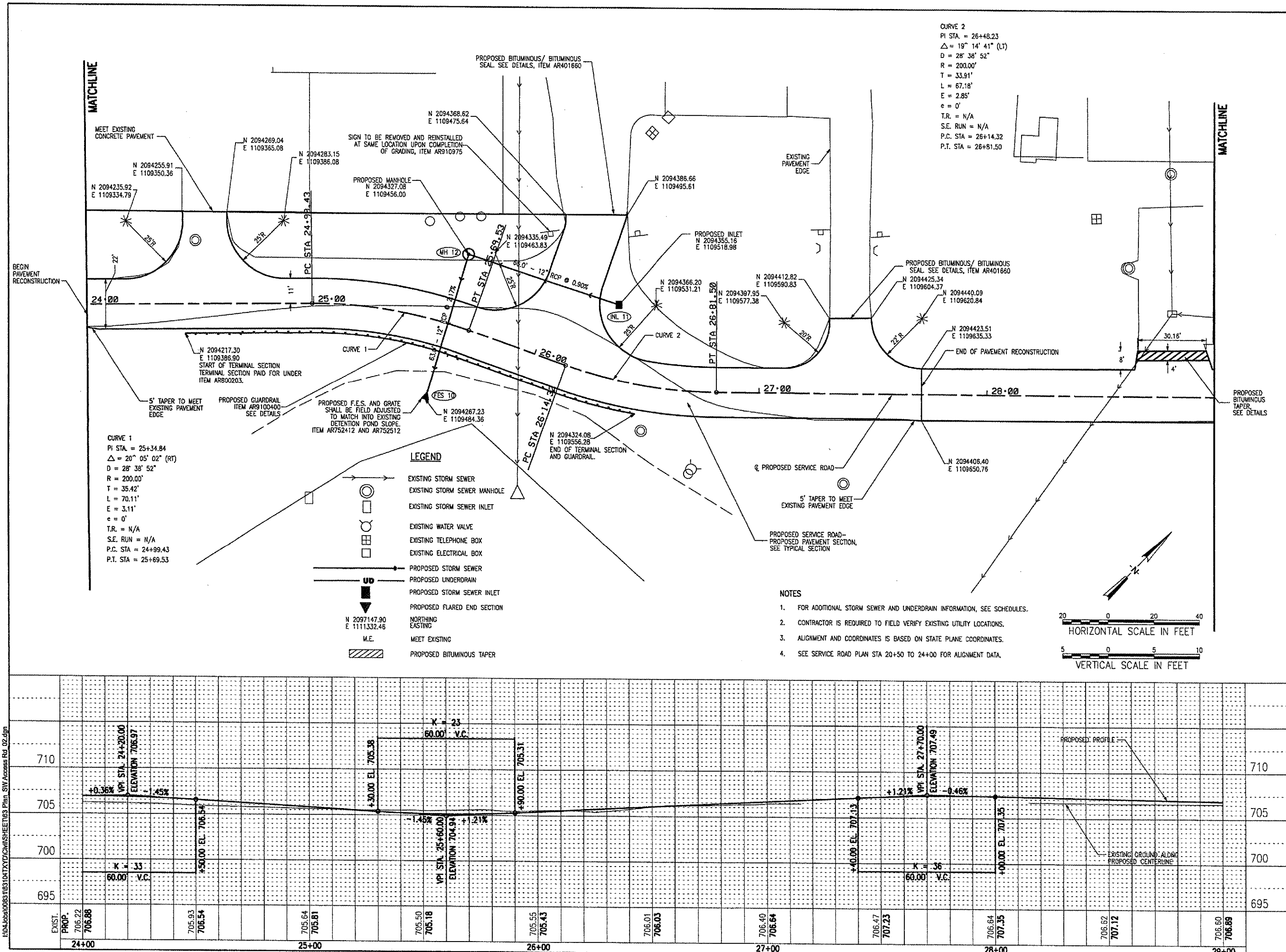
Date

MAY 06, 2005

Sheet Title

SERVICE ROAD PLAN STA 24+00 TO STA 29+00

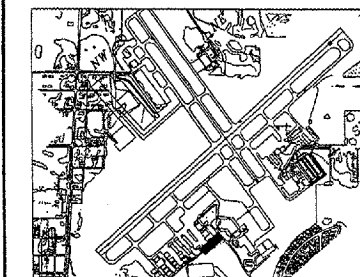
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	RPB
	2/22/05
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	Date
	RMH/TMM
	Reviewed By
	Date
	RPB
	DSY
	Drawn By
	Sheet No.



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**HANGAR AND TAXIWAY
PAVEMENT REHABILITATION,
HANGAR SITE PREPARATION,
AND SERVICE ROAD OVERLAY**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

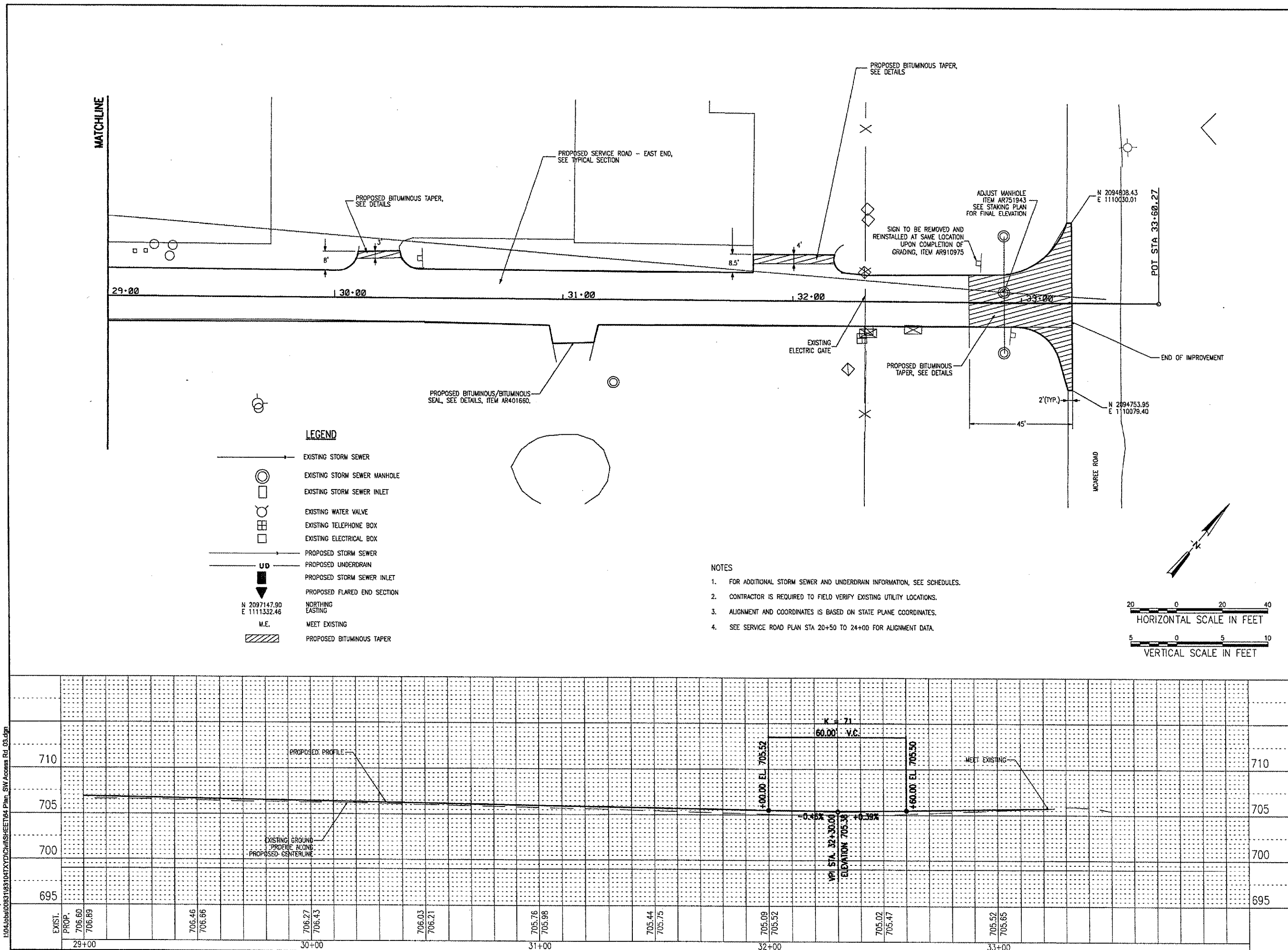
Date: MAY 06, 2005

Sheet Title: SERVICE ROAD PLAN

**SERVICE ROAD PLAN
STA 29+00 TO STA 33+22.17**

831-04TXYD
Project Number

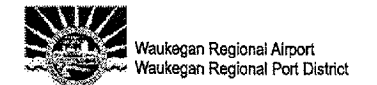
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Layout By	Date
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Designed By	Date
RMH/TMM	04/11/05
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.



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REPAIR SELECTED PAVEMENT
 AREAS, REHABILITATE HANGAR
 TAXILANES AND SERVICE ROAD,
 AND CONSTRUCT NEW HANGAR
 PAVEMENTS

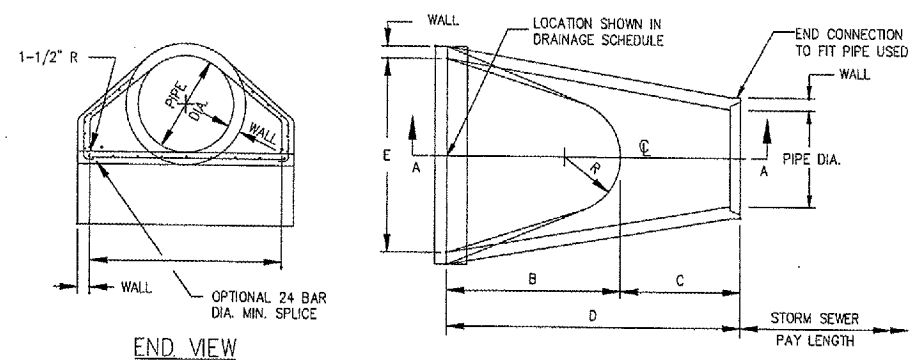
A.I.P. PROJ.: 3-17-0106-B30
 I.L. PROJ.: UGN-3449

PIPE DIA.	WALL	A	B	C	D	E	R	SLOPE
12"	2"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	9"	3:1

- NOTES**
- GRATING SHALL BE PAID FOR UNDER ITEM AR752512.
 - THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 502.10 OF IDOT SPECIFICATIONS, WITH COST INCIDENTAL TO FLARED END SECTION.
 - PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.

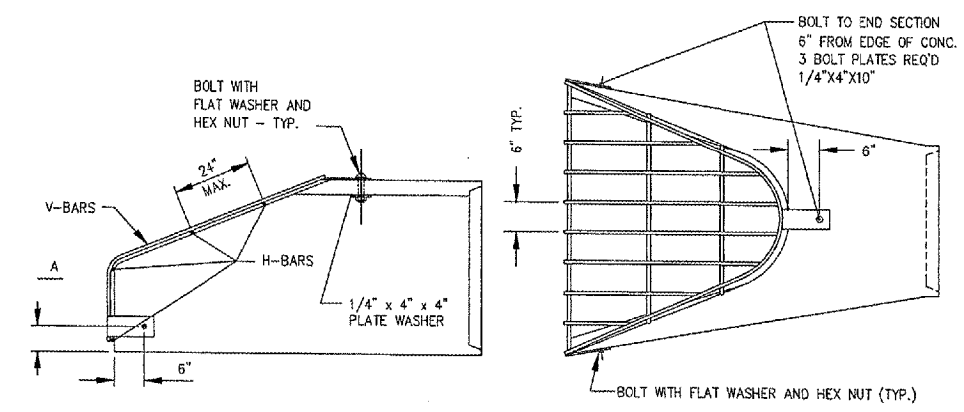
DIA. INCHES	V-BAR SIZE	H-BAR SIZE	No. OF H-BARS REQ'D.	BOLT DIA. INCHES	"A" DIM. INCHES
12	1/2"	5/8"	3	1/2	4

- NOTES**
- BARS AND PLATES ARE HOT ROLLED STEEL.
 - BARS, PLATES, PIPE AND BOLTS ARE GALVANIZED.



- * 8" - 36" DIA. PIPE OR LESS
- 10" - GREATER THAN 36" DIA. PIPE
- ** 18" - 36" DIA. PIPE OR LESS
- 24" - GREATER THAN 36" DIA. PIPE
- 2 - NO. 4 BARS

PRECAST CONCRETE FLARED END SECTION
 (IDOT STANDARD 542301)



GRATING FOR FLARED END SECTION

UNDERDRAIN SCHEDULE

STRUCTURE DATA							SEWER DATA		
STRUCTURE NUMBER	NORTHING	EASTING	STRUCTURE TYPE	RIM ELEVATION	INVERT ELEVATION	PAY LENGTH (FT.)		SLOPE %	
EX CB2	2094313.69	1109065.15	CB	706.11	704.22		254.00	0.50	
EX CB1	2094121.49	1109229.92	CB	705.64	702.93				
EX MH7	2094449.93	1108943.32	MH	708.46	706.06		184.00	0.95	
EX CB2	2094313.69	1109065.15	CB	706.11	704.28				
INL10	2094109.83	1108990.07	INL A	707.55	705.09		150.00	0.66	
EX CB3	2093992.04	1109085.33	CB	706.58	704.58				
EX MH8	2094314.98	1108793.09	MH	709.42	707.09		285.00	0.52	
INL10	2094110.18	1108983.87	INL A	707.59	705.59				

STORM SEWER SCHEDULE

STRUCTURE DATA							SEWER DATA		
STRUCTURE NUMBER	NORTHING	EASTING	STRUCTURE TYPE	DIAMETER (IN.)	RIM ELEVATION	INVERT ELEVATION	PAY LENGTH (FT.)	SIZE (IN.)	SLOPE %
INL 10	2094109.83	1108990.07	INL A	24	707.55	704.83			
EX CB4	2094178.63	1108917.03	CB	EX	707.37	704.47	98.0	12	0.37
INL 11	2094355.16	1109518.98	INL A	24	705.15	702.17			
MH 12	2094327.08	1109456.00	M.H.	48	704.59	701.37	66.0	12	0.90
FES 10	2094287.23	1109484.36	F.E.S.	12		700.00	62.0	12	2.17

No.	Drawing Issue Description	Date	By

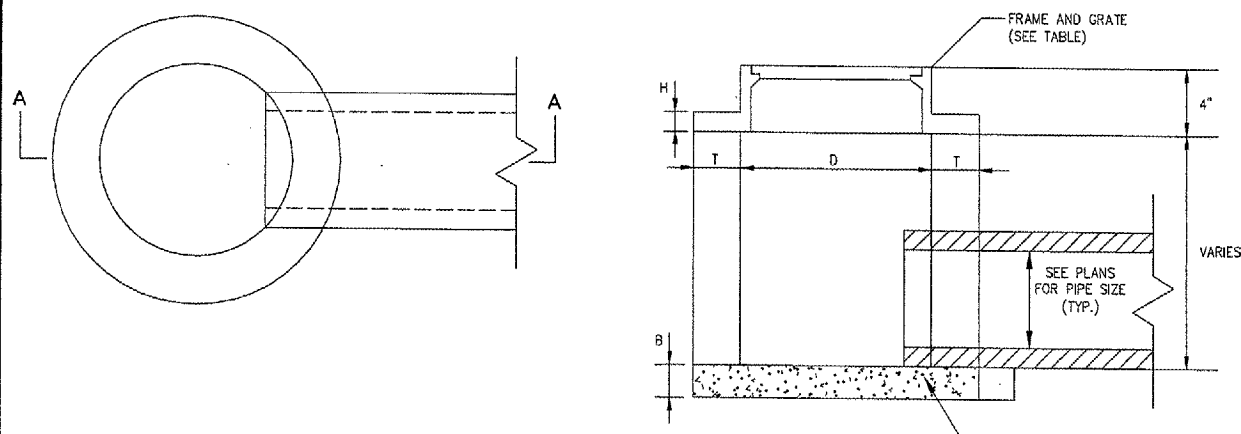
Date
 MAY 06, 2005
 Sheet Title

**DRAINAGE DETAILS AND
 DRAINAGE SCHEDULES**

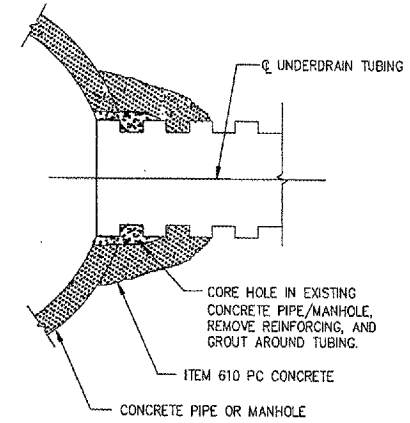
831-04TXVD
 Project Number
 SJM 3/1/05
 Layout By Date
 SJM 3/1/05
 Designed By Date
 TMM/RMH 04/11/05
 Reviewed By Date
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DETAILS SHOWN ARE NOT TO SCALE

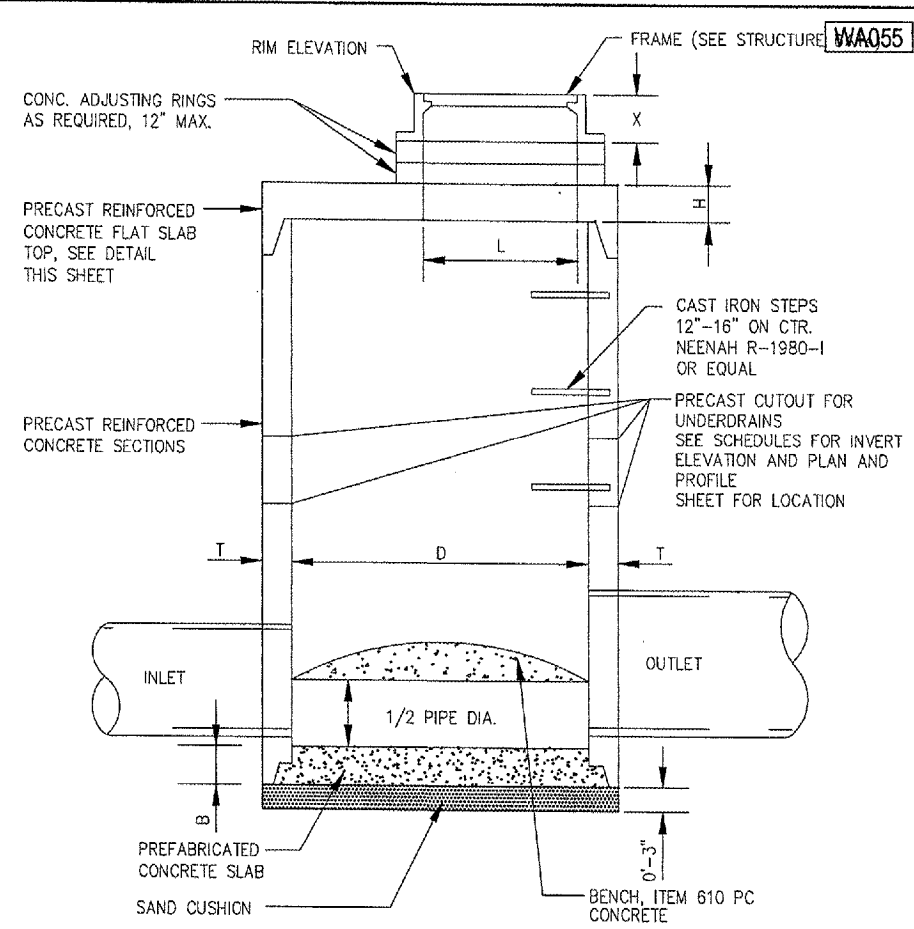
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- NOTES**
1. FOR STRUCTURE LOCATIONS SEE STORM SEWER SCHEDULE.
 2. FRAME AND GRATE, ADJUSTING RINGS OR RISER SHALL BE MORTARED.
 3. ALL MANHOLE AND INLET STRUCTURES TO BE PRECAST.

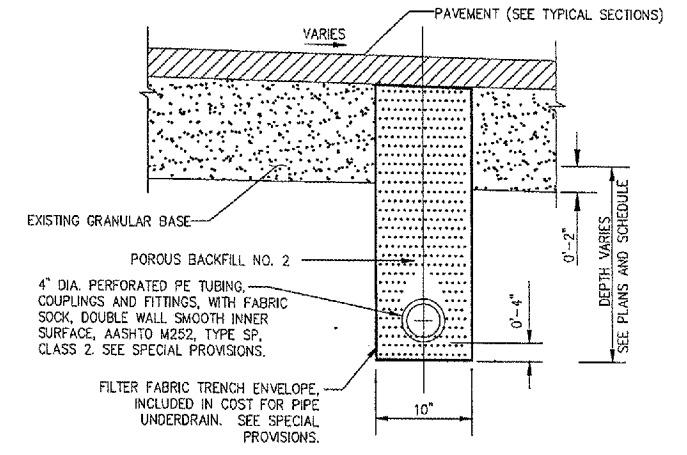


STORM SEWER CONCRETE COLLAR AND GROUT CONNECTION



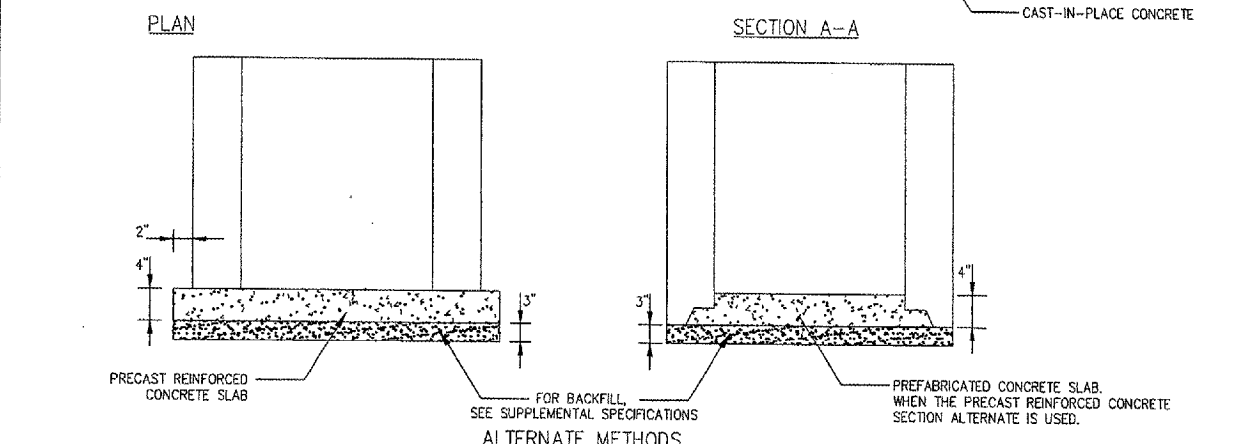
- NOTES**
1. FOR FRAME AND LID INFORMATION SEE STRUCTURE DATA.
 2. CENTER OF FRAME TO BE USED FOR LOCATING STRUCTURE. FOR STRUCTURE LOCATIONS AND ADDITIONAL INFORMATION SEE SCHEDULE.
 3. ALL STRUCTURES TO BE PRECAST REINFORCED CONCRETE SECTIONS; BENCHES MAY BE CAST IN PLACE.

MANHOLE WITH FLAT SLAB TOP (DOT STANDARD 602406-MODIFIED)



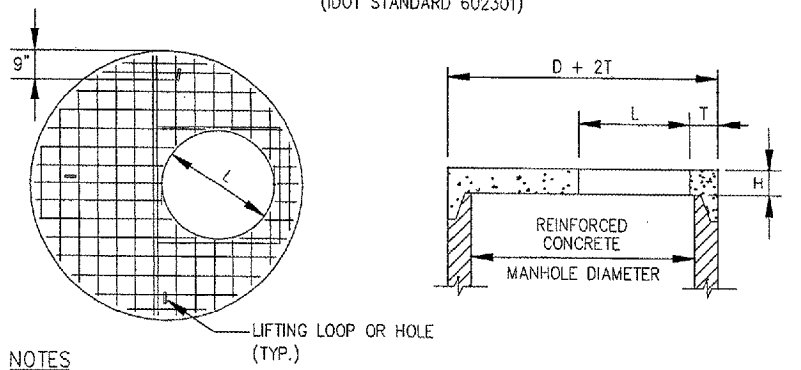
UNDERDRAIN UNDER PAVEMENT

DETAILS SHOWN ARE NOT TO SCALE



- NOTES**
1. SEE DRAINAGE AND UNDERDRAIN SCHEDULE FOR LOCATION, SIZE AND NUMBER OF PIPE CONNECTIONS.
 2. INLETS TO BE PRECAST REINFORCED CONCRETE SECTIONS (T = 3").

INLET TYPE A (DOT STANDARD 602301)

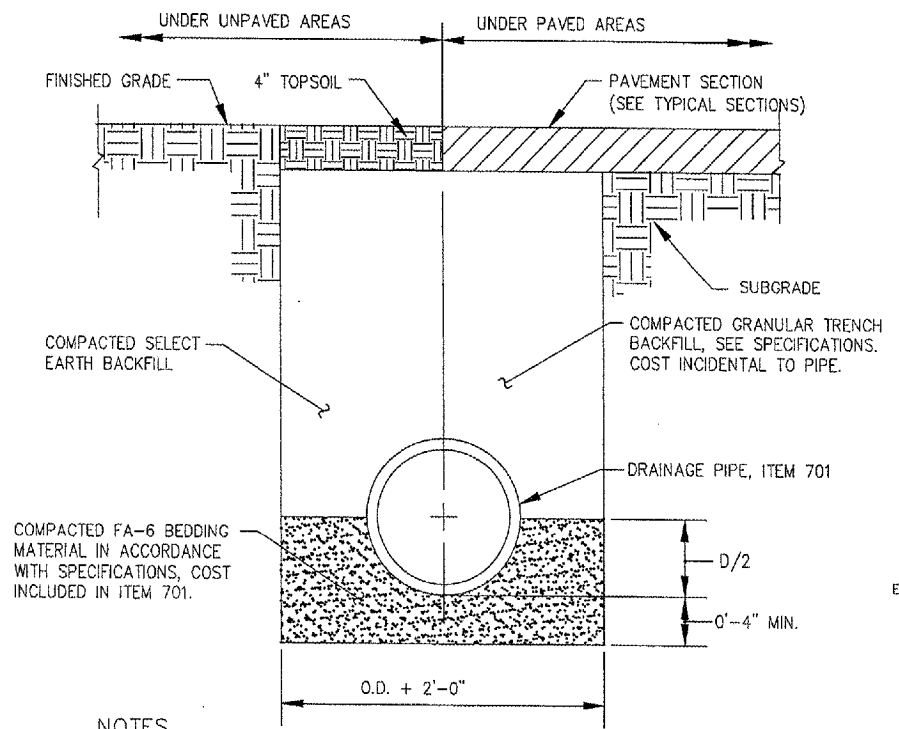


- NOTES**
1. ADDITIONAL TOP AND BOTTOM BARS PLACED ADJACENT TO ACCESS HOLE.
 2. MINIMUM 1" COVER ON STEEL BARS.
 3. THREE LIFTING LOOPS OR HOLES.
 4. MINIMUM STEEL REINFORCEMENT IN EACH DIRECTION TO BE WWF 1.06 SQ. IN./FT. IN ACCORDANCE WITH AASHTO M199 AND IDOT STANDARDS.
 5. FOR "L" DIMENSION SEE STORM SEWER SCHEDULES.

PRECAST REINFORCED CONCRETE FLAT SLAB TOP (DOT STANDARD 602601)

STRUCTURE DATA

STRUCTURE NUMBER	STRUCTURE TYPE	INSIDE DIA. "D" (IN.)	WALL THICKNESS "T" (IN.)	TOP THICKNESS "H" (IN.)	BOTTOM THICKNESS "B" (IN.)	FRAME HEIGHT "X" (IN.)	HOLE OPENING "L" (IN.)	FRAME TYPE (EAST JORDAN)	COVER/GRATE (EAST JORDAN)
INL 10	INLET	24	3	---	4	6	24	1020	TYPE M1
INL 11	INLET	24	3	---	4	6	24	1020	TYPE M1
MH 12	MANHOLE	48	5	6	6	6	24	1020	TYPE M1
FES 10	F.E.S.	12	---	---	---	---	---	---	SEE DETAIL

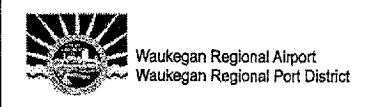


- NOTES**
1. UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.
 2. WITHIN 3 FEET OF PAVED AREA, GRANULAR BACKFILL IS TO BE USED INSTEAD OF EARTH BACKFILL.
 3. AT CONTRACTOR'S OPTION IDOT CONTROLLED LOW STRENGTH MATERIAL WITH A HIGH EARLY STRENGTH, "FLASH FILL", MAY BE USED INSTEAD OF GRANULAR TRENCH BACKFILL UNDER PAVEMENTS.

PIPE TRENCH



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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title: DRAINAGE DETAILS

831-04TXD
Project Number
SJM 8/01/06
Layout By Date
RPH 8/01/06
Designed By Date
RMH/TMM 04/11/05
Reviewed By Date
SJM
Drawn By Sheet No.

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WA055



HANSON PROFESSIONAL SERVICES INC.

815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
Telephone: 630.990.3800
Fax: 630.990.3801

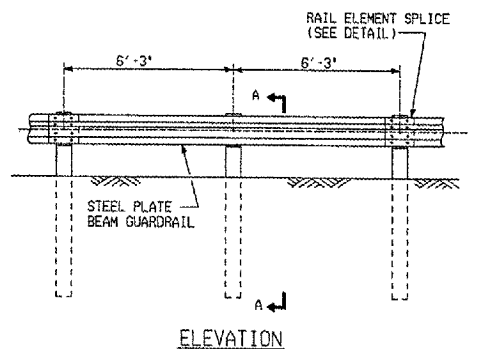


Waukegan Regional Airport
Waukegan Regional Port District

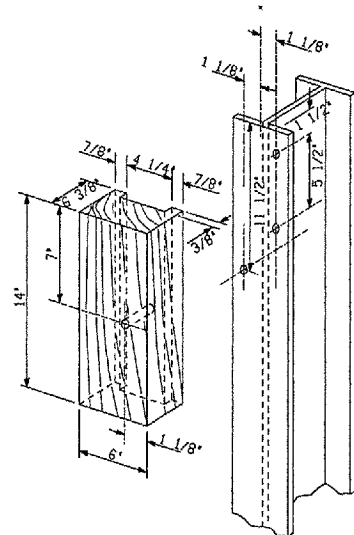
3580 North McAree Road
Waukegan, Illinois 60087
Phone: 847.244.0055
Fax: 847.244.3813

REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

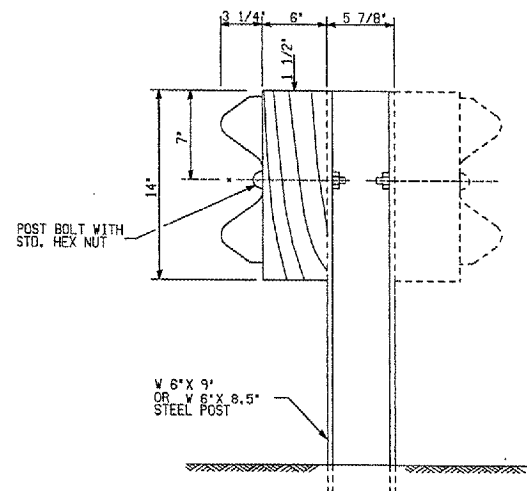
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IL PROJ.: UGN-3449



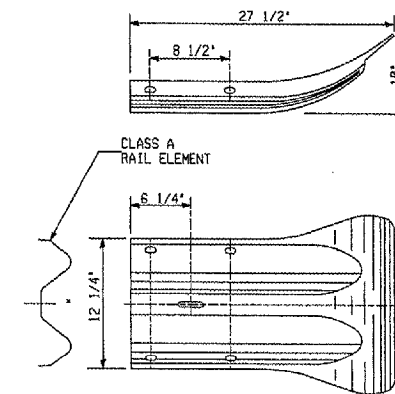
ELEVATION
TYPE A
6'-3" TYPICAL POST SPACING



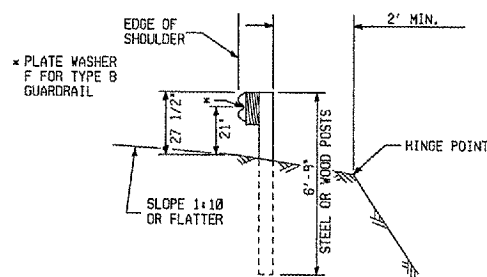
WOOD BLOCK-OUT AND
STEEL POST DETAILS



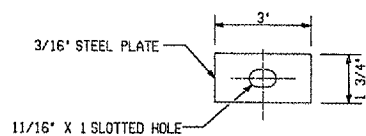
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END SECTION

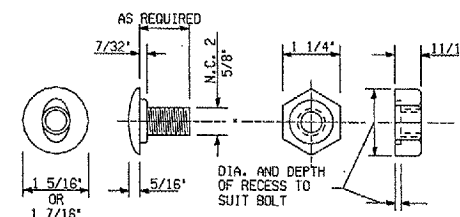


SECTION A-A



NOTE
PLATE WASHER F SHALL BE USED ON TYPE
A GUARDRAIL ONLY WHERE SPECIFIED. PLATE
WASHER F SHALL BE USED AT ALL OTHER
LOCATIONS WHERE RAIL ELEMENT IS BOLTED
TO A BLOCK-OUT UNLESS OTHERWISE NOTED.

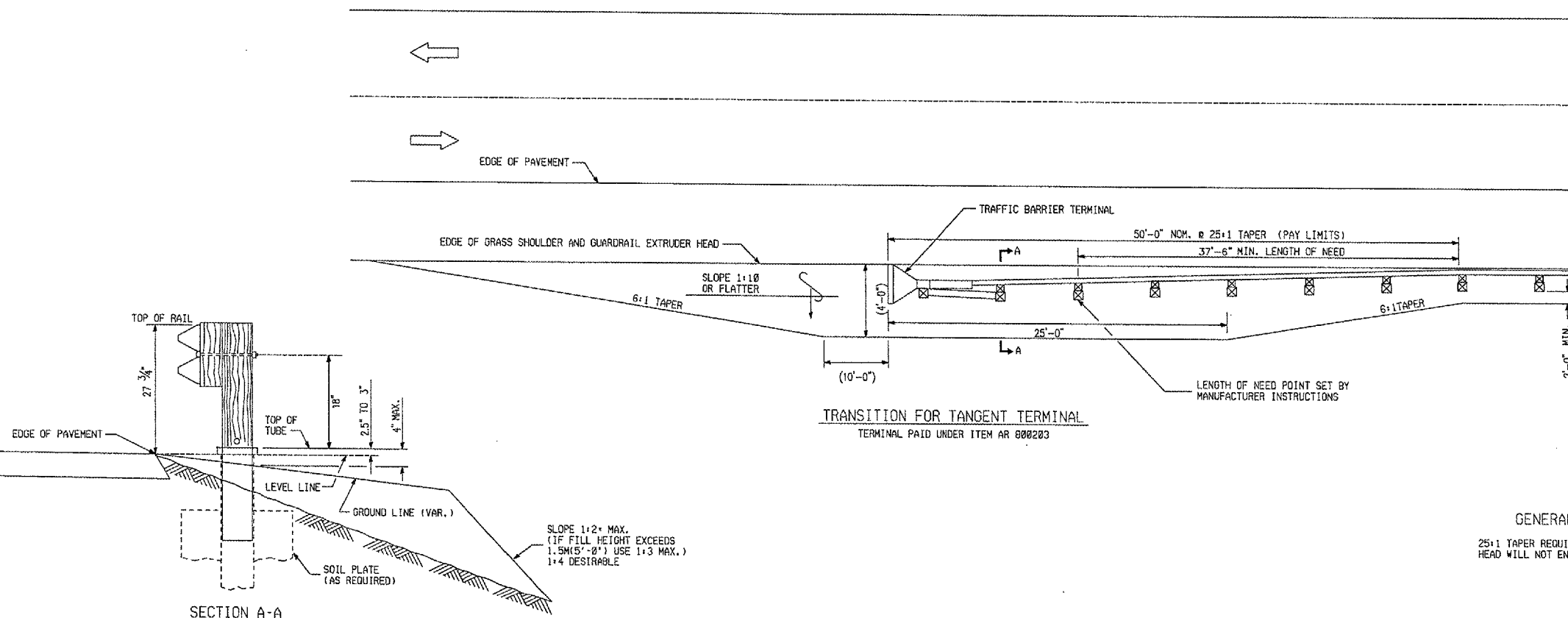
PLATE WASHER F



POST OR SPLICE BOLT & NUT

DETAILS SHOWN ARE NOT TO SCALE

DOT STANDARD 630001-05



TRANSITION FOR TANGENT TERMINAL
TERMINAL PAID UNDER ITEM AR 800203

SECTION A-A

DETAILS SHOWN ARE NOT TO SCALE

MODIFIED IDOT STANDARD 630301-03

GENERAL NOTES

25+1 TAPER REQUIRED SO THE GUARDRAIL
HEAD WILL NOT ENCRACH ON THE SHOULDER.

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

GUARDRAIL DETAILS

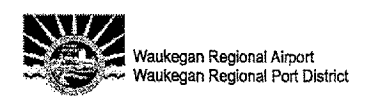
831-04TXVD	Project Number
RPH	1/22/05
Layout By	Date
RPH	03/02/05
Designed By	Date
TMM/RJH	04/11/05
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.

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WA055



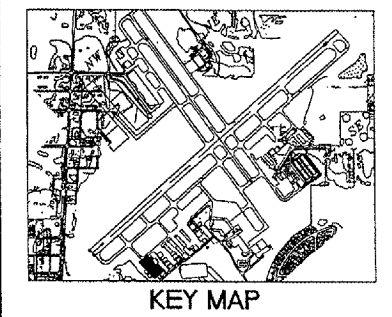
HANSON PROFESSIONAL SERVICES INC.
 815 Commerce Drive, Suite 200
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 Fax: 630.990.3801



Waukegan Regional Airport
 Waukegan Regional Port District
 3580 North McAre Road
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
 I.L. PROJ.: UGN-3449



No.	Drawing Issue Description	Date	By

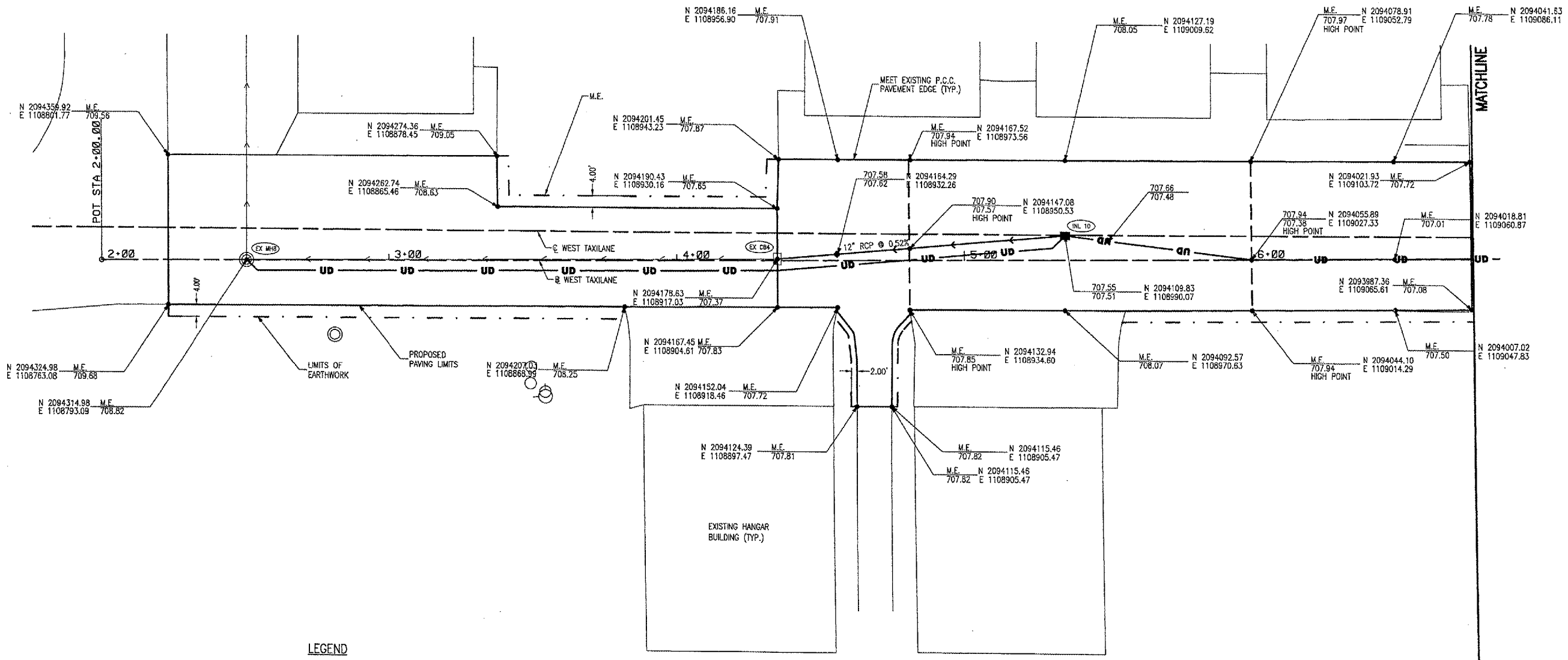
Date
 Sheet Title
 MAY 06, 2005

STAKING PLAN - WEST TAXILANE

831-04TXD
 Project Number

RPH	2/28/05
Layout By	Date
RPH	3/03/05
Designed By	Date
RMH/TJM	04/11/05
Reviewed By	Date
RPH	SJM
Drawn By	Sheet No.

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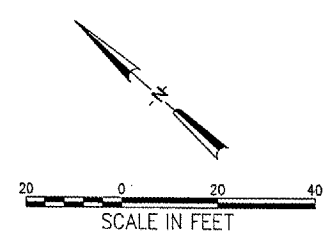


LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- PROPOSED STORM SEWER
- UD --- PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER INLET
- ▭ PROPOSED FLARED END SECTION
- N 2097147.90 500.00
E 1111332.46 599.00
M.E. MEET EXISTING
- NORTHING — PROPOSED ELEVATION
- EASTING — EXISTING ELEVATION

NOTES

- FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.
- CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
- ALIGNMENT AND COORDINATES ARE BASED ON STATE PLANE COORDINATES.



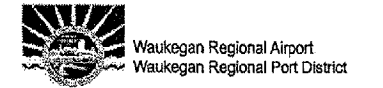
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WA055



HANSON PROFESSIONAL SERVICES INC.

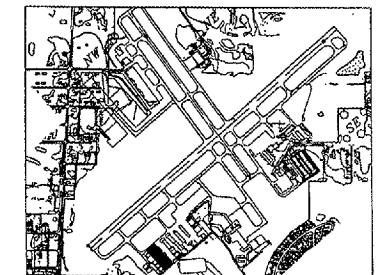
815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
Telephone: 630.990.3800
Fax: 630.990.3801



3580 North McAree Road
Waukegan, Illinois 60087
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

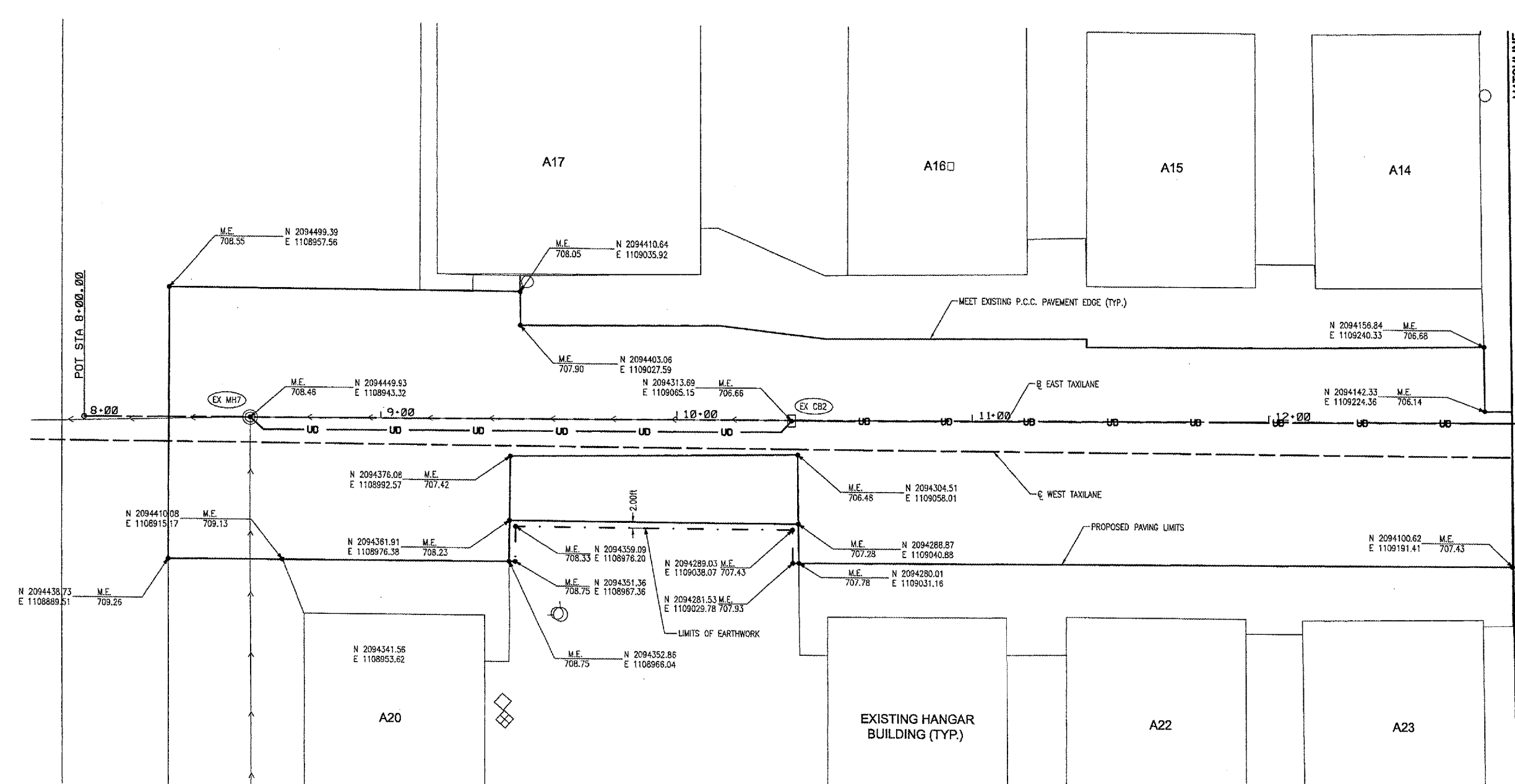


No.	Drawing Issue Description	Date	By

Date
Sheet Title
MAY 06, 2005

STAKING PLAN - EAST TAXILANE

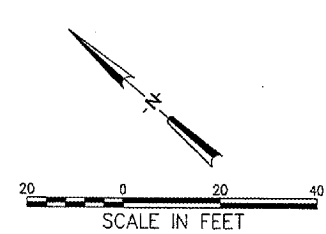
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Project Number
RPH 2/25/05
Layout By Date
RPH 2/25/05
Designed By Date
RPH/TMM 4/11/05
Reviewed By Date
RPH SJM
Drawn By Sheet No.



LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER INLET
- PROPOSED FLARED END SECTION
- ↑ NORTHING PROPOSED ELEVATION
- EASTING EXISTING ELEVATION
- M.E. MEET EXISTING

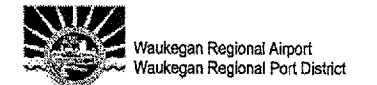
- NOTES**
- FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.
 - CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
 - ALIGNMENT AND COORDINATES ARE BASED ON STATE PLANE COORDINATES.



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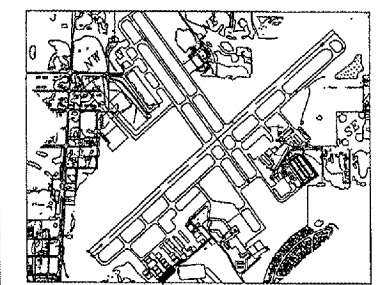
HANSON PROFESSIONAL SERVICES INC.
815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
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3580 North McAree Road
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REPAIR SELECTED PAVEMENT
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TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
I.L. PROJ.: UGN-3449

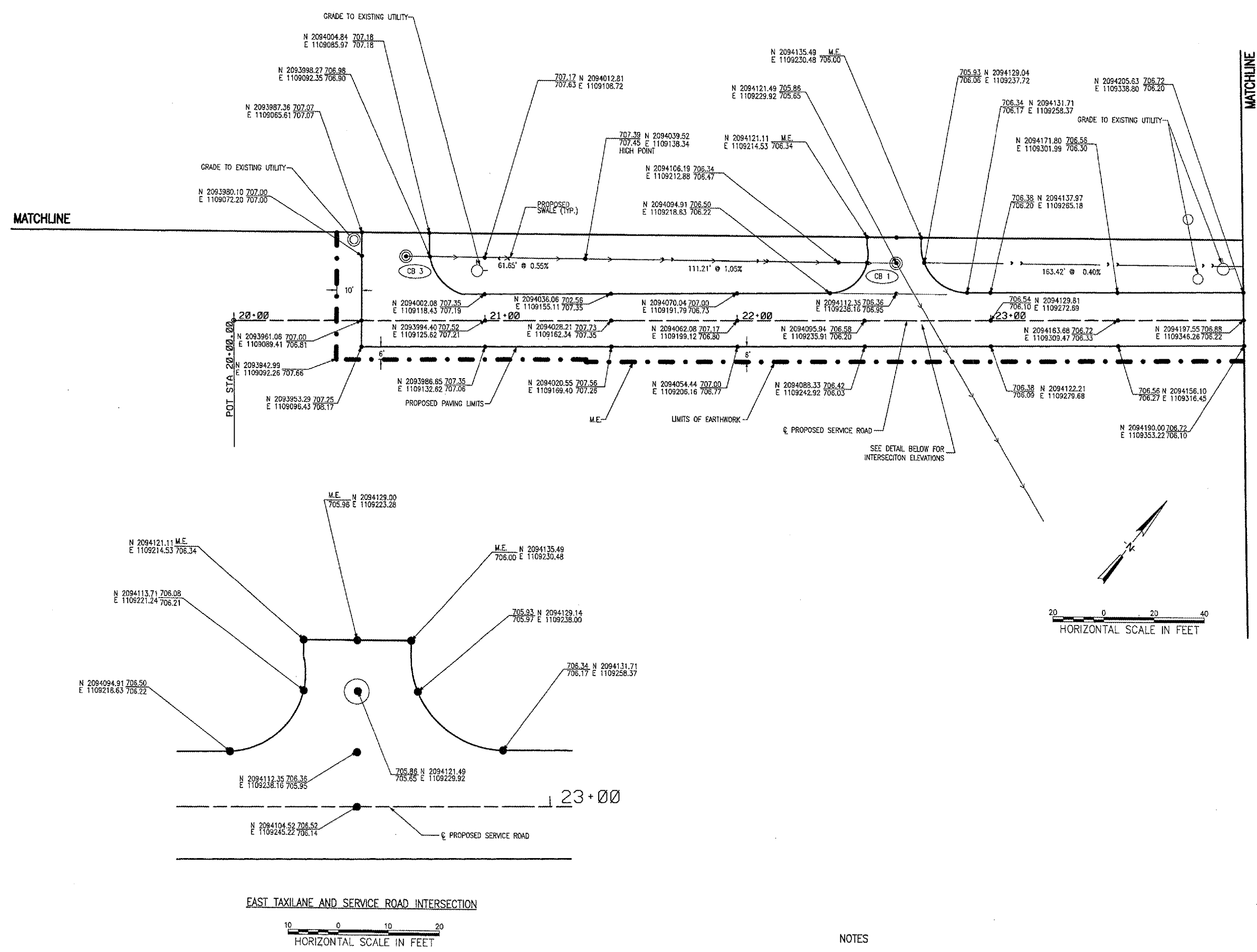


No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

STAKING PLAN -
SERVICE ROAD
STA 20+50 TO 24+00

831-04TXD
Project Number
RPH 2/22/05
Layout By Date
RPH 2/22/05
Designed By Date
RMH/TMM 4/11/05
Reviewed By Date
RPH
Drawn By Sheet No.



- NOTES
1. CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
 2. ALIGNMENT AND COORDINATES IS BASED ON STATE PLANE COORDINATES.
 3. FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.

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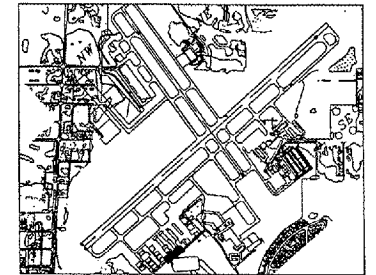
815 Commerce Drive, Suite 200
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Fax: 630.990.3801



3580 North McAree Road
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

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MAY 06, 2005

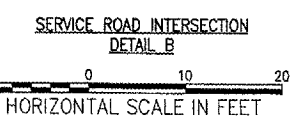
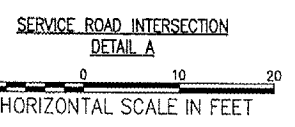
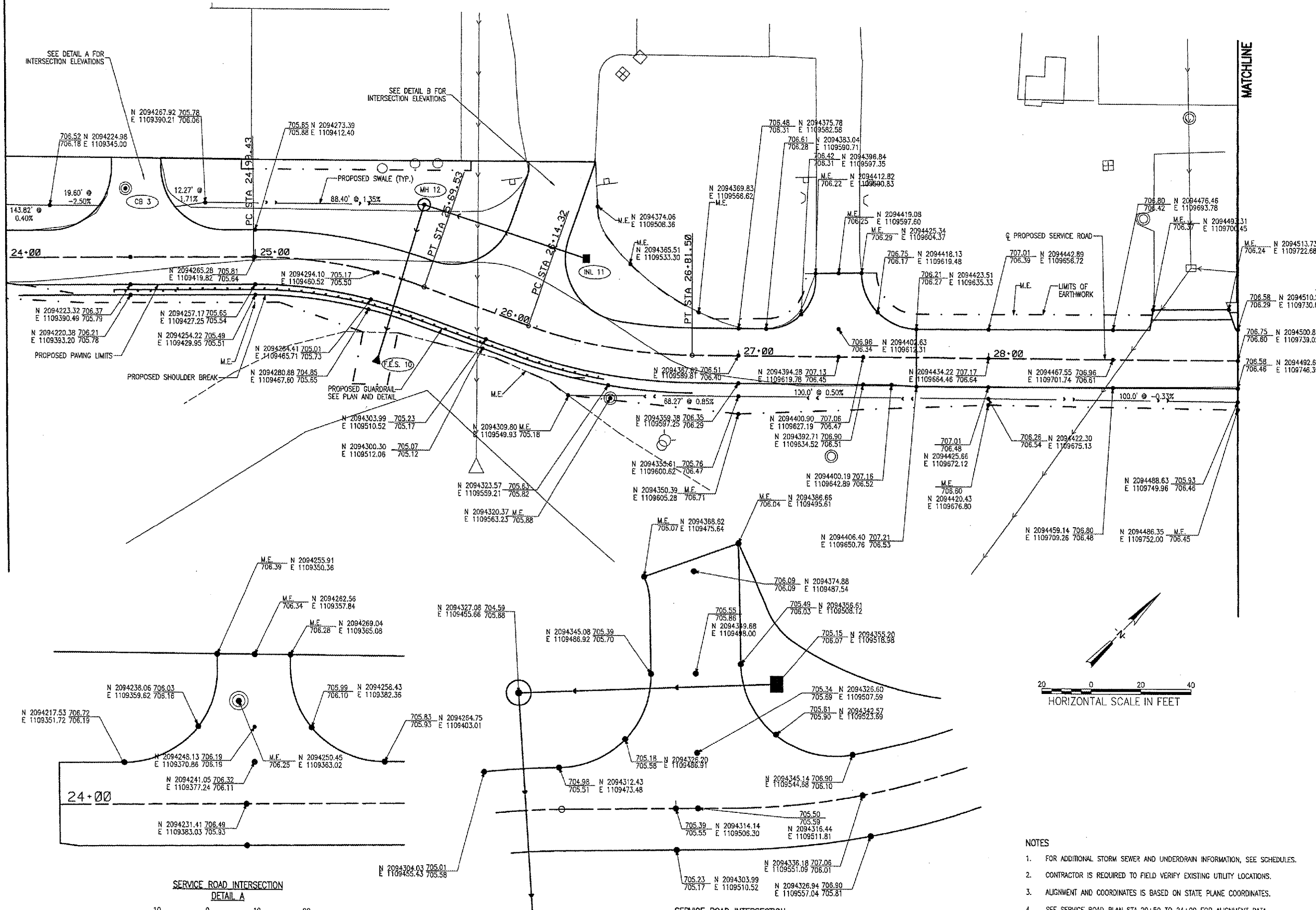
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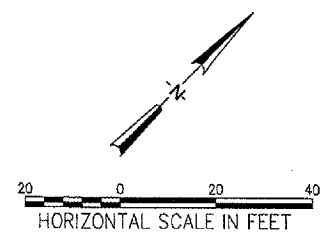
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Project Number	200505
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Layout By	Date
RPH	3/01/05
Designed By	Date
RPH/VTMM	04/11/05
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.

MATCHLINE

MATCHLINE



- NOTES**
- FOR ADDITIONAL STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.
 - CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
 - ALIGNMENT AND COORDINATES IS BASED ON STATE PLANE COORDINATES.
 - SEE SERVICE ROAD PLAN STA 20+50 TO 24+00 FOR ALIGNMENT DATA.

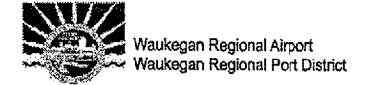


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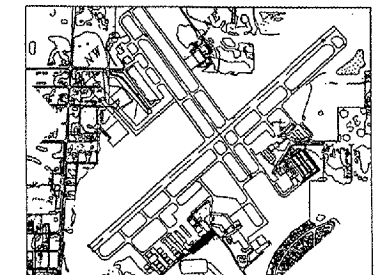
815 Commerce Drive, Suite 200
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3580 North McAree Road
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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL PROJ.: UGN-3449



KEY MAP

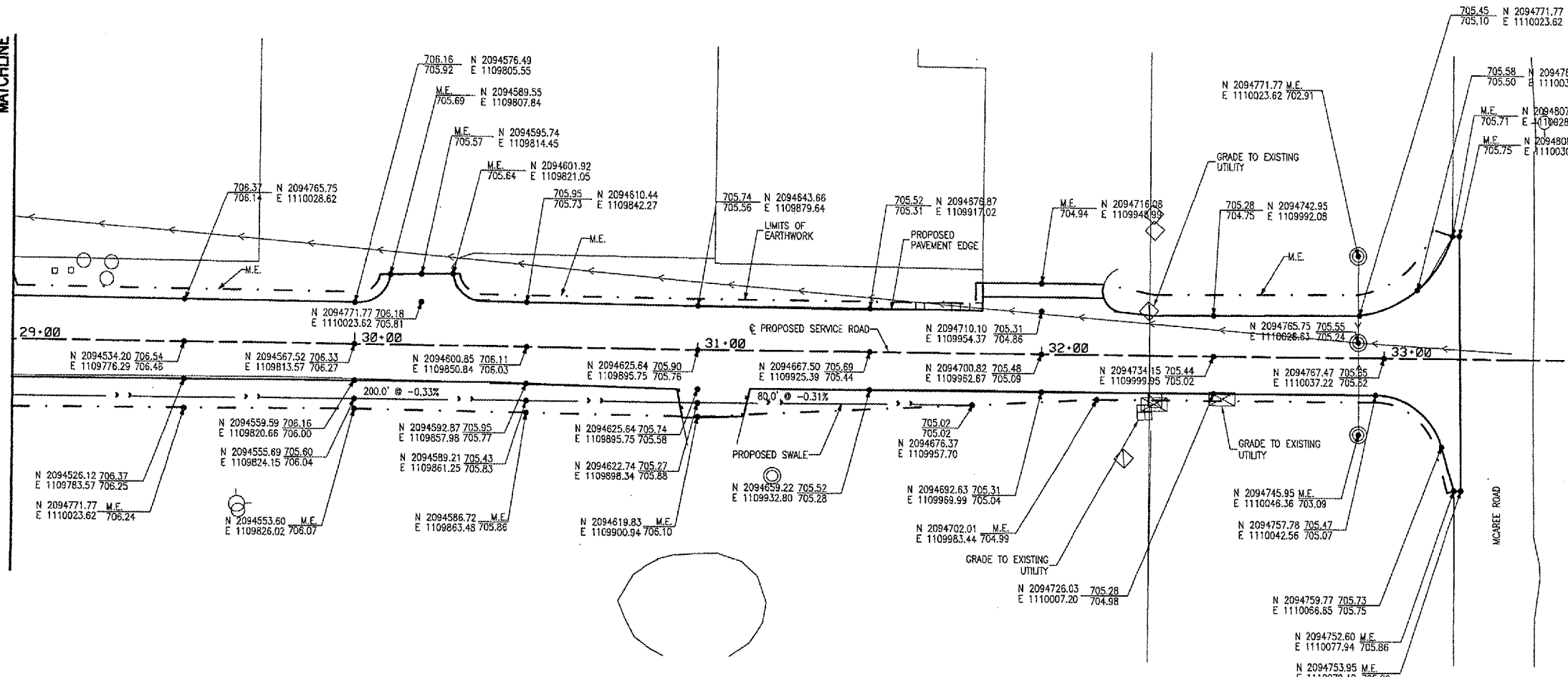
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MAY 06, 2005

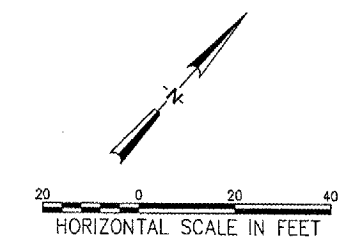
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ROAD PLAN
STA 29+00 TO STA 33+22.17**

831-04TXD
Project Number
RPH 02/22/05
Layout By Date
RPH 03/03/05
Designed By Date
RM/HTM 04/11/05
Reviewed By Date
RPH DSY --
Drawn By Sheet No.

MATCHLINE



- NOTES**
1. FOR ADDITIONAL, STORM SEWER AND UNDERDRAIN INFORMATION, SEE SCHEDULES.
 2. CONTRACTOR IS REQUIRED TO FIELD VERIFY EXISTING UTILITY LOCATIONS.
 3. ALIGNMENT AND COORDINATES IS BASED ON STATE PLANE COORDINATES.
 4. SEE SERVICE ROAD PLAN STA 20+50 TO 24+00 FOR ALIGNMENT DATA.





HANSON PROFESSIONAL SERVICES INC.

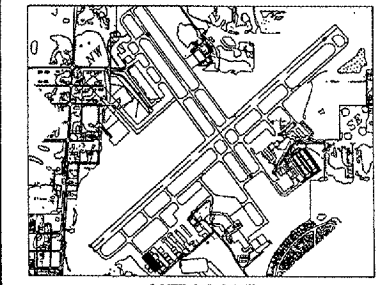
815 Commerce Drive, Suite 200
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Waukegan, Illinois 60087
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



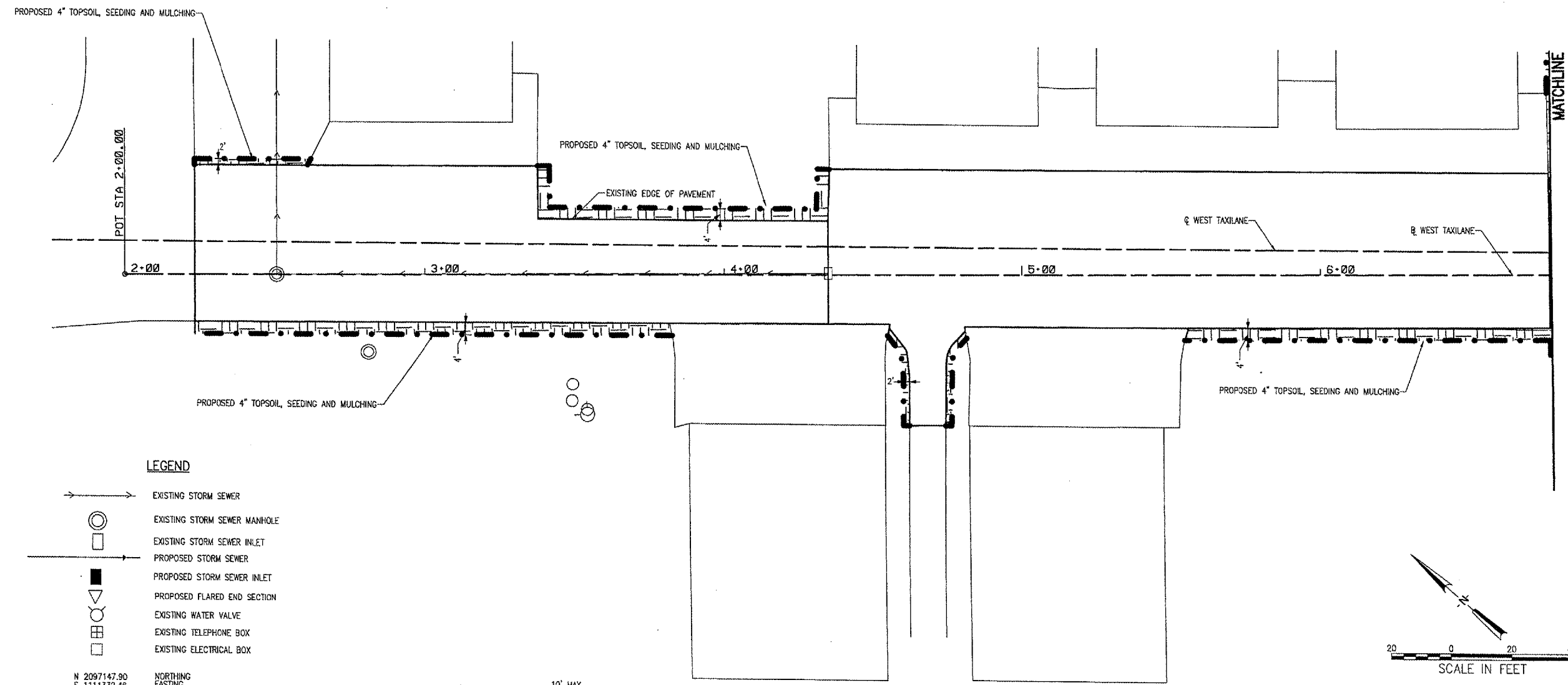
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Date: MAY 06, 2005
Sheet Title

STORMWATER POLLUTION PREVENTION AND LANDSCAPE PLAN WEST TAXILANE

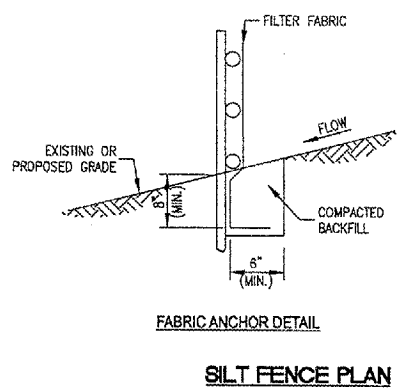
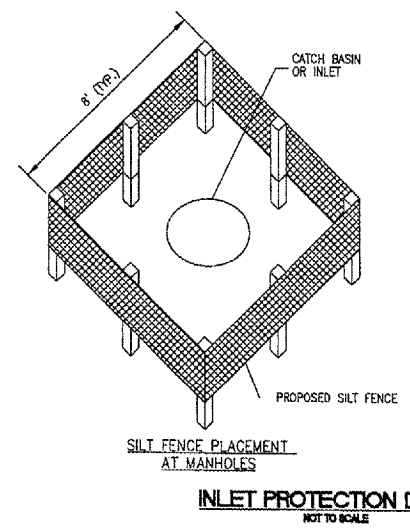
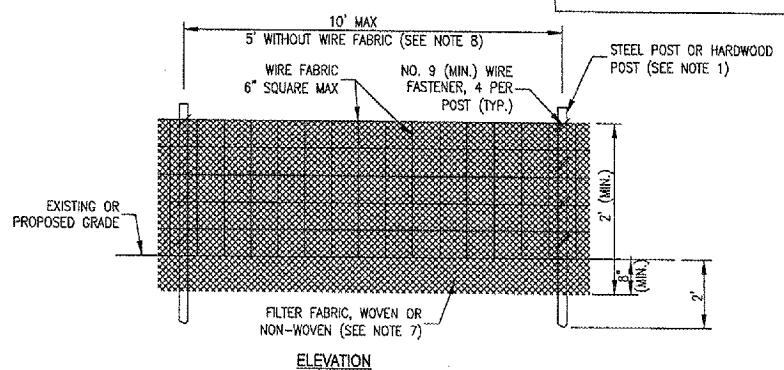
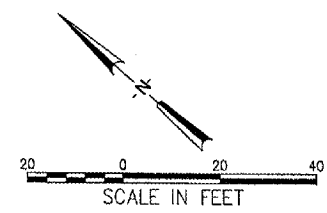
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Project Number

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Layout By	Date
RPH	03/08/05
Designed By	Date
RMH/TMM	04/11/05
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.



LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER INLET
- ▽ PROPOSED FLARED END SECTION
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- N 2097147.90
E 1111332.46
M.E. MEET EXISTING
- x → PROPOSED SILT FENCE
- ▨ PROPOSED SEEDING, ITEM AR901510, MULCHING, ITEM AR908510, AND TOPSOIL, ITEM AR905520
- LIMITS OF EARTHWORK, TOPSOIL, SEEDING, AND MULCHING



NOTES:

1. FENCE POST SHALL BE EITHER STEEL "T" LINE POST OR HARDWOOD POST WITH A MINIMUM SECTIONAL AREA OF 3.0 SQUARE INCHES.
2. TOP AND BOTTOM WIRE OF WIRE FABRIC SHALL BE MINIMUM GAGE NO. 9. INTERMEDIATE WIRES OF THE WIRE FABRIC SHALL BE MINIMUM GAGE NO. 11.
3. WIRE FABRIC SHALL BE SECURELY FASTENED TO FENCE POSTS WITH NO. 9 GAGE WIRE MINIMUM. FOUR (4) FASTENERS PER POST REQUIRED.
4. FILTER FABRIC SHALL BE SECURELY FASTENED TO WIRE FABRIC AND POSTS WITH TIES OR STAPLES SPACED AT 12" APART AT THE TOP, MIDDLE AND BOTTOM.
5. WHEN TWO SECTIONS OF FILTER FABRIC OR ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED AND ATTACHED TO THE WIRE FABRIC AT A POST.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED AND REPLACED WHEN BULGES DEVELOP IN THE SILT FENCE.
7. FILTER FABRIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
8. WIRE FABRIC MAY BE OMITTED IF A MAXIMUM OF 5 FEET IS USED FOR POST-TO-POST SPACING.
9. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
10. FENCE POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END.

NOTES:

1. SILT FENCE SHALL BE EMBEDDED 8" INTO THE SOIL.
2. INSPECTION SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
3. TEMPORARY SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. CONTRACTOR SHALL PLACE SEED AND MULCH AROUND STRUCTURES PER LANDSCAPING PLAN.
4. AREAS DISTURBED OUTSIDE OF CONSTRUCTION LIMITS DURING PLACEMENT OF INLET PROTECTION TO BE REGRADED, SEEDED AND MULCHED, COST INCIDENTAL TO SILT FENCE.
5. FOR FLARED END SECTIONS PLACE SILT FENCE ON 3 SIDES (24" TOTAL).

STORM WATER POLLUTION PREVENTION NOTES

GENERAL
THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE CONTRACT DOCUMENTS TO ASSURE THAT STORM WATER POLLUTION PREVENTION ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. SEDIMENTATION MUST NOT BE TRANSPORTED OFF THE CONSTRUCTION SITE. PERMANENT DRAINAGE FEATURES AND VEGETATIVE MEASURES SHALL BE PROVIDED AS SOON AS POSSIBLE.

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

POLLUTION PREVENTION MEASURES
THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHERE EVER POSSIBLE AND AS SOON AS CONSTRUCTION PERMITS IN OTHER AREAS. POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THESE CONSTRUCTION PLANS, AND WITH STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, CURRENT ISSUE. THE CONTRACTOR SHALL ADJUST HIS OPERATIONS AND IMPLEMENT POLLUTION CONTROL MEASURES SO THAT NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE CONSTRUCTION SITE OTHER THAN THROUGH SEDIMENT TRAPS OR OTHER SUITABLE CONTROL MEASURES.

POLLUTION CONTROL ITEMS SHALL BE PROVIDED AS NOTED ON THE STORM WATER POLLUTION PREVENTION PLAN AND IN THE STORM WATER POLLUTION PREVENTION DETAILS AND AS DIRECTED BY THE ENGINEER. THE LIMITS OF SUCH MEASURES SHALL BE STAKED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH LIMITS MAY BE ADJUSTED BY THE ENGINEER TO ACCOUNT FOR ACTUAL SITE CONDITIONS EXPERIENCED DURING CONSTRUCTION. ADDITIONAL COMPENSATION FOR MEASURES EXCEEDING THE PLAN QUANTITIES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH ITEM.

THE CONTRACTOR IS TO MAINTAIN AND ADJUST, REPAIR OR REPLACE ALL POLLUTION PREVENTION MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. MAINTENANCE OF POLLUTION CONTROL MEASURES IS TO BE PROVIDED AT NO ADDITIONAL COST TO THE CONTRACT.

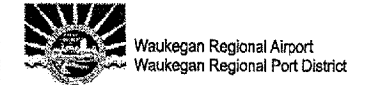
ADDITIONAL STORMWATER POLLUTION PREVENTION MEASURES ARE EXISTING ON SITE LOCATED AT DRAINAGE FACILITIES AND ALONG THE PROPERTY LINE.

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WA055



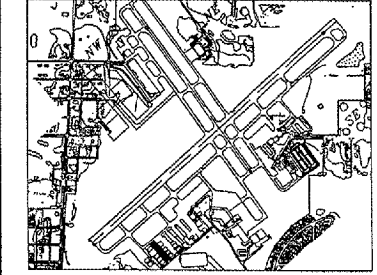
HANSON PROFESSIONAL SERVICES INC.
815 Commerce Drive, Suite 200
Oak Brook, Illinois 60523
Telephone: 630.990.3800
Fax: 630.990.3801



3580 North McAree Road
Waukegan, Illinois 60087
Phone: 847.244.0055
Fax: 847.244.3813

REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
I.L. PROJ.: UGN-3449



No.	Drawing Issue Description	Date	By

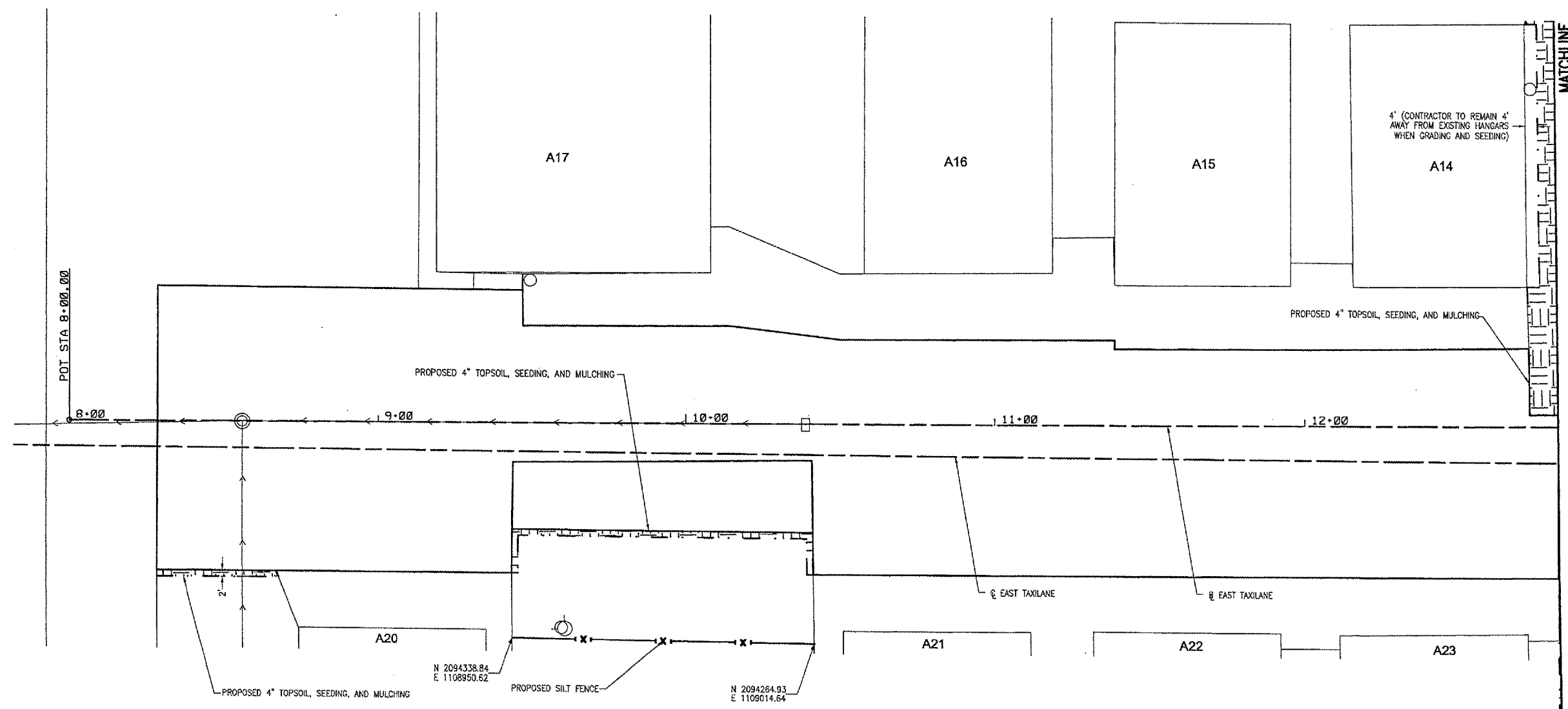
Date: MAY 06, 2005
Sheet Title:

**STORMWATER POLLUTION PREVENTION AND LANDSCAPE PLAN
EAST TAXILANE**

831-04TXD
Project Number

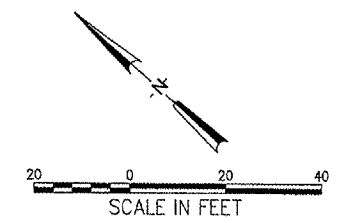
DSY	03/08/05
Layout By	Date
RPH	03/08/05
Designed By	Date
TMM/RPH	04/11/05
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.

74



LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER INLET
- ▽ PROPOSED FLARED END SECTION
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- N 2097147.90 E 1111332.46 M.E. MEET EXISTING
- x ← PROPOSED SILT FENCE
- ▭ PROPOSED SEEDING, ITEM AR901510, MULCHING, ITEM AR908510, AND TOPSOIL, ITEM AR905520
- LIMITS OF EARTHWORK, TOPSOIL, SEEDING, AND MULCHING



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WA055



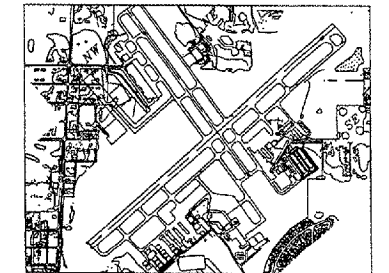
HANSON PROFESSIONAL SERVICES INC.
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Oak Brook, Illinois 60523
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Fax: 630.990.3801



Waukegan Regional Airport
Waukegan Regional Port District
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Waukegan, Illinois 60087
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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



KEY MAP

No.	Drawing Issue Description	Date	By

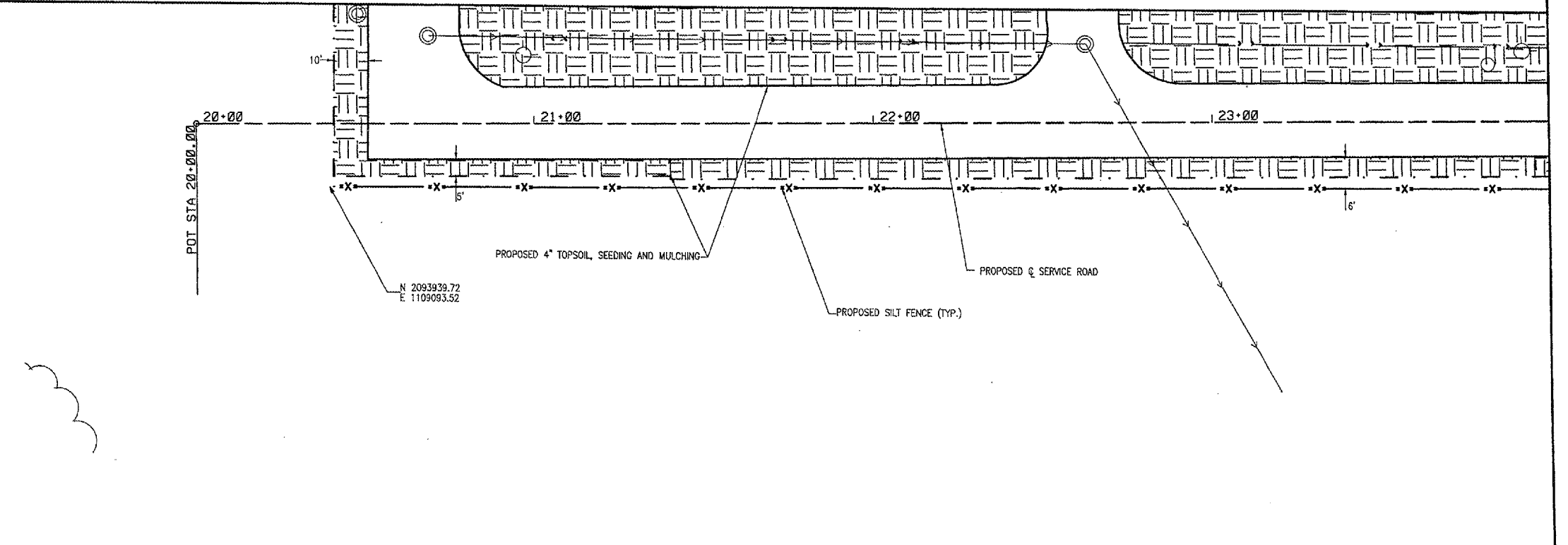
Date
MAY 06, 2005

Sheet Title
**STORMWATER POLLUTION PREVENTION AND LANDSCAPE PLAN
SERVICE ROAD
STA 20+00 TO STA 24+00**

Project Number	831-04TXD
RPH	03/08/05
Layout By	Date
RPH	03/08/05
Designed By	Date
TMM/RMH	04/11/05
Reviewed By	Date
RPH	DSY
Drawn By	Sheet No.

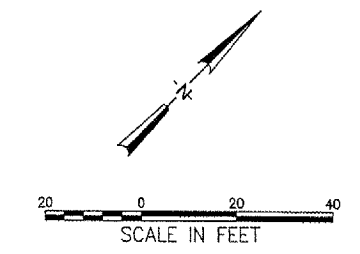
MATCHLINE

MATCHLINE



LEGEND

- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER INLET
- PROPOSED FLARED END SECTION
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- N 2097147.90
E 1111332.46
M.E. MEET EXISTING
- PROPOSED SILT FENCE
- PROPOSED SEEDING, ITEM AR901510,
MULCHING, ITEM AR908510, AND TOPSOIL,
ITEM AR905520
- LIMITS OF EARTHWORK, TOPSOIL, SEEDING,
AND MULCHING



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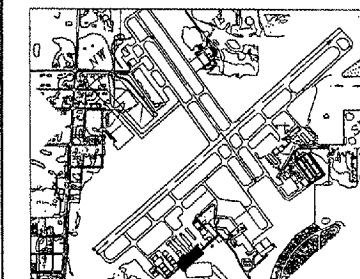


Waukegan Regional Airport
Waukegan Regional Port District

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Waukegan, Illinois 60087
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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449



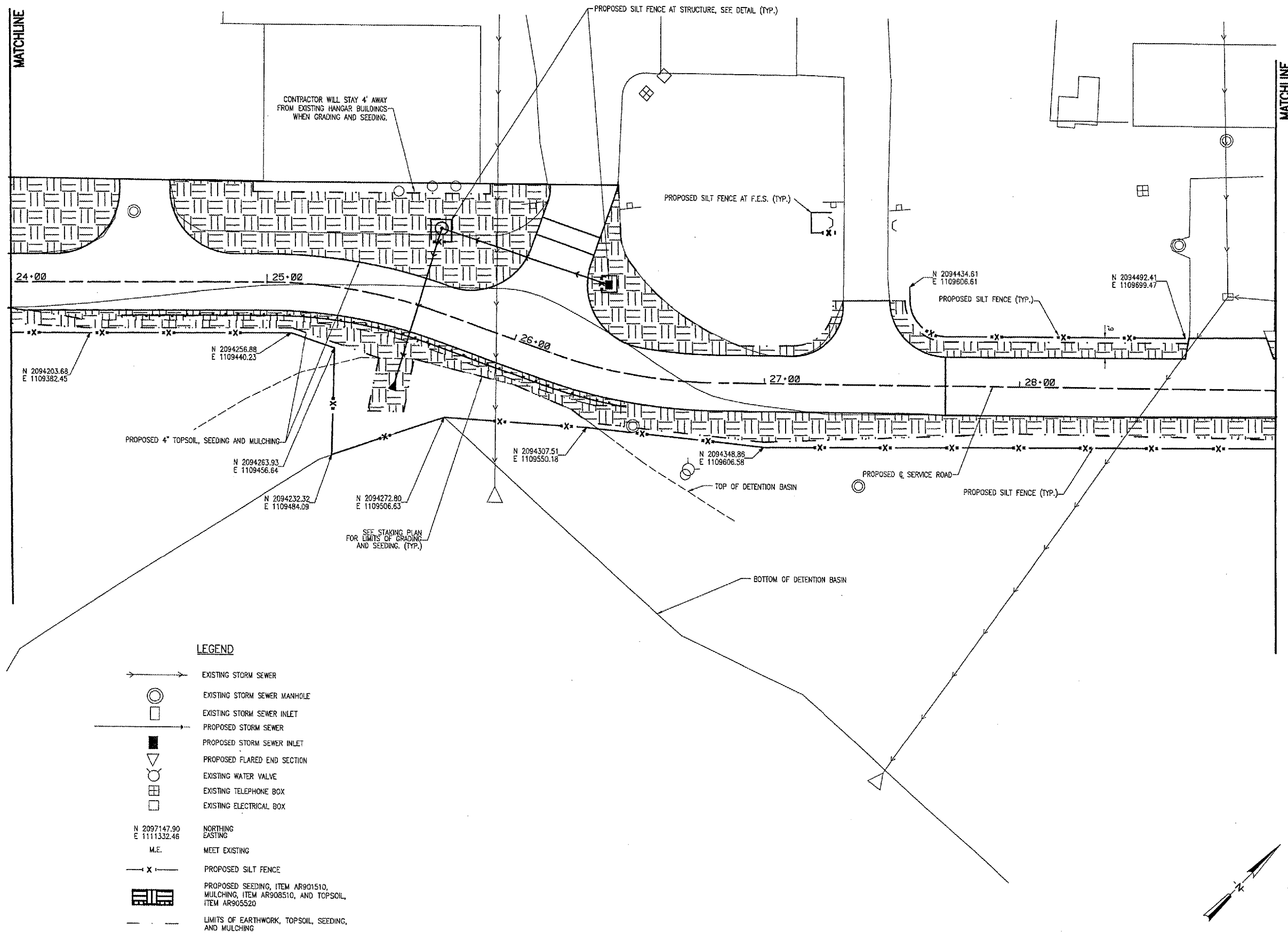
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No.	Drawing Issue Description	Date	By

Date: MAY 06, 2005
Sheet Title

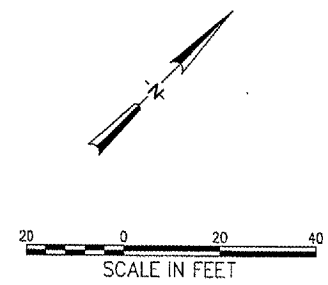
**STORMWATER POLLUTION
PREVENTION AND
LANDSCAPE PLAN
SERVICE ROAD
STA 24+00 TO STA 29+00**

Project Number	B31-04TXD
Layout By	RPH 03/08/05
Designed By	RPH 03/08/05
Reviewed By	RMH/TMM 04/11/05
Drawn By	RPH DSY -
Sheet No.	76



LEGEND

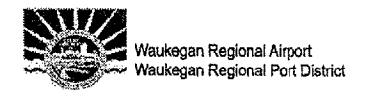
- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER INLET
- ▽ PROPOSED FLARED END SECTION
- EXISTING WATER VALVE
- ⊞ EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- N 2097147.90 E 11111332.46 M.E. MEET EXISTING
- x— PROPOSED SILT FENCE
- ▨ PROPOSED SEEDING, ITEM AR901510, MULCHING, ITEM AR908510, AND TOPSOIL, ITEM AR905520
- LIMITS OF EARTHWORK, TOPSOIL, SEEDING, AND MULCHING



WA055



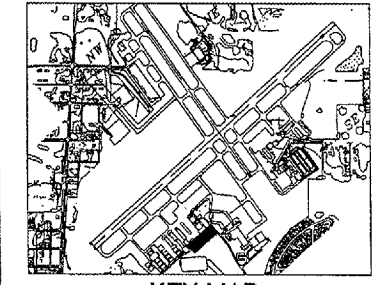
HANSON PROFESSIONAL SERVICES INC.
 815 Commerce Drive, Suite 200
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 Fax: 630.990.3801



Waukegan Regional Airport
 Waukegan Regional Port District
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REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR PAVEMENTS

A.I.P. PROJ.: 3-17-0105-B30
 IL. PROJ.: UGN-3449



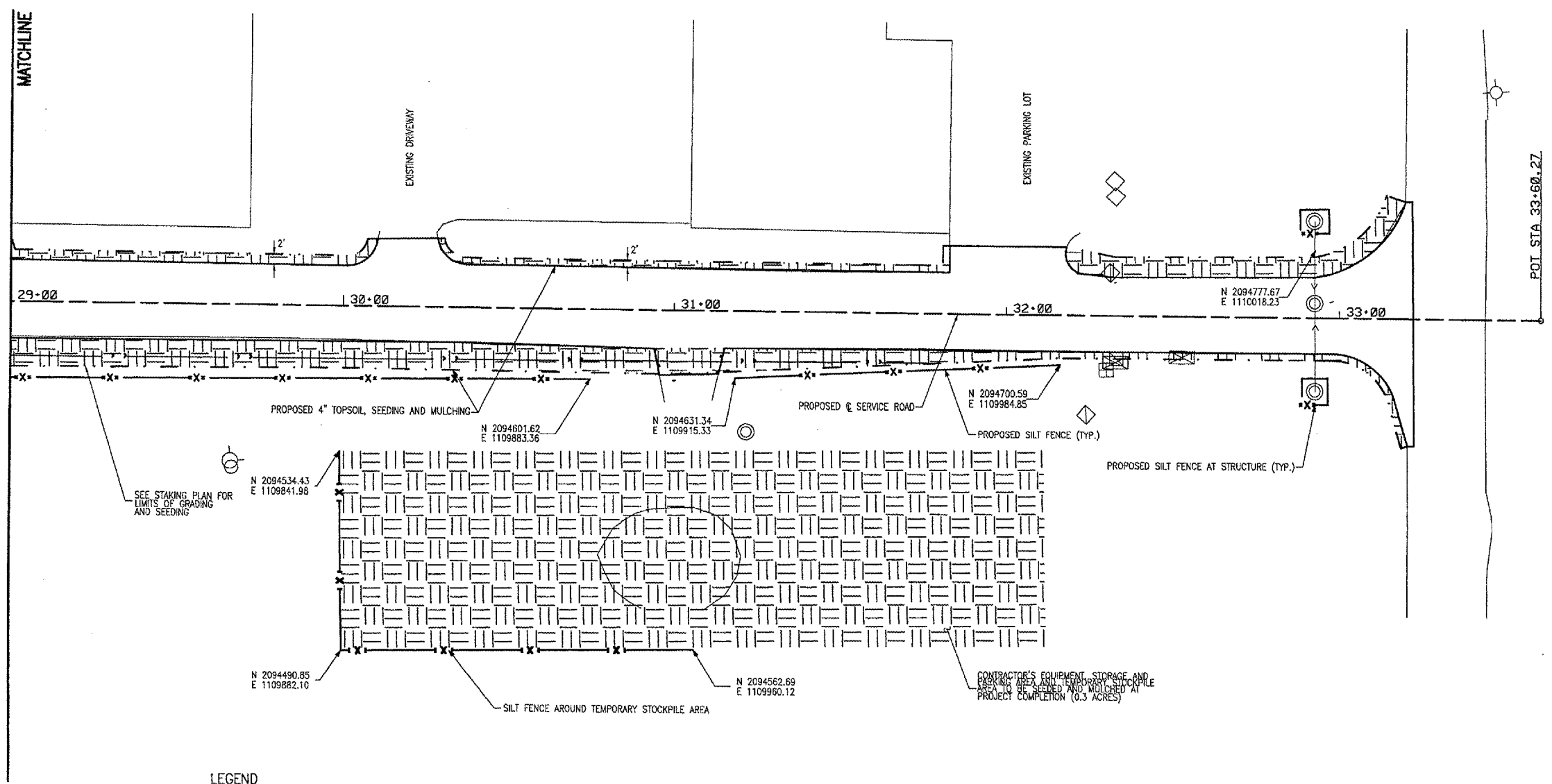
No.	Drawing Issue Description	Date	By

Date
 MAY 06, 2005
 Sheet Title

STORMWATER POLLUTION PREVENTION AND LANDSCAPE PLAN SERVICE ROAD STA 29+00 TO STA 33+60.27

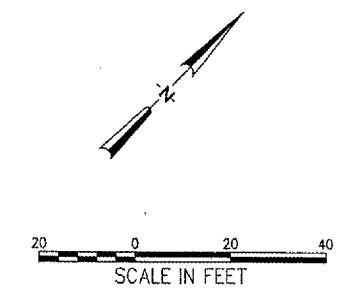
831-04TXD
 Project Number
 RPH 03/08/05
 Layout By Date
 RPH 03/08/05
 Designed By Date
 TMM/RMH 04/11/05
 Reviewed By Date
 RPH DSY
 Drawn By Sheet No.

77



LEGEND

- → → EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- → → PROPOSED STORM SEWER
- PROPOSED STORM SEWER INLET
- ▽ PROPOSED FLARED END SECTION
- EXISTING WATER VALVE
- EXISTING TELEPHONE BOX
- EXISTING ELECTRICAL BOX
- N 2097147.90 E 1111332.46 M.E. MEET EXISTING
- X - PROPOSED SILT FENCE
- ▨ PROPOSED SEEDING, ITEM AR901510, MULCHING, ITEM AR908510, AND TOPSOIL, ITEM AR905520
- - - LIMITS OF EARTHWORK, TOPSOIL, SEEDING, AND MULCHING



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**REPAIR SELECTED PAVEMENT
AREAS, REHABILITATE HANGAR
TAXILANES AND SERVICE ROAD,
AND CONSTRUCT NEW HANGAR
PAVEMENTS**

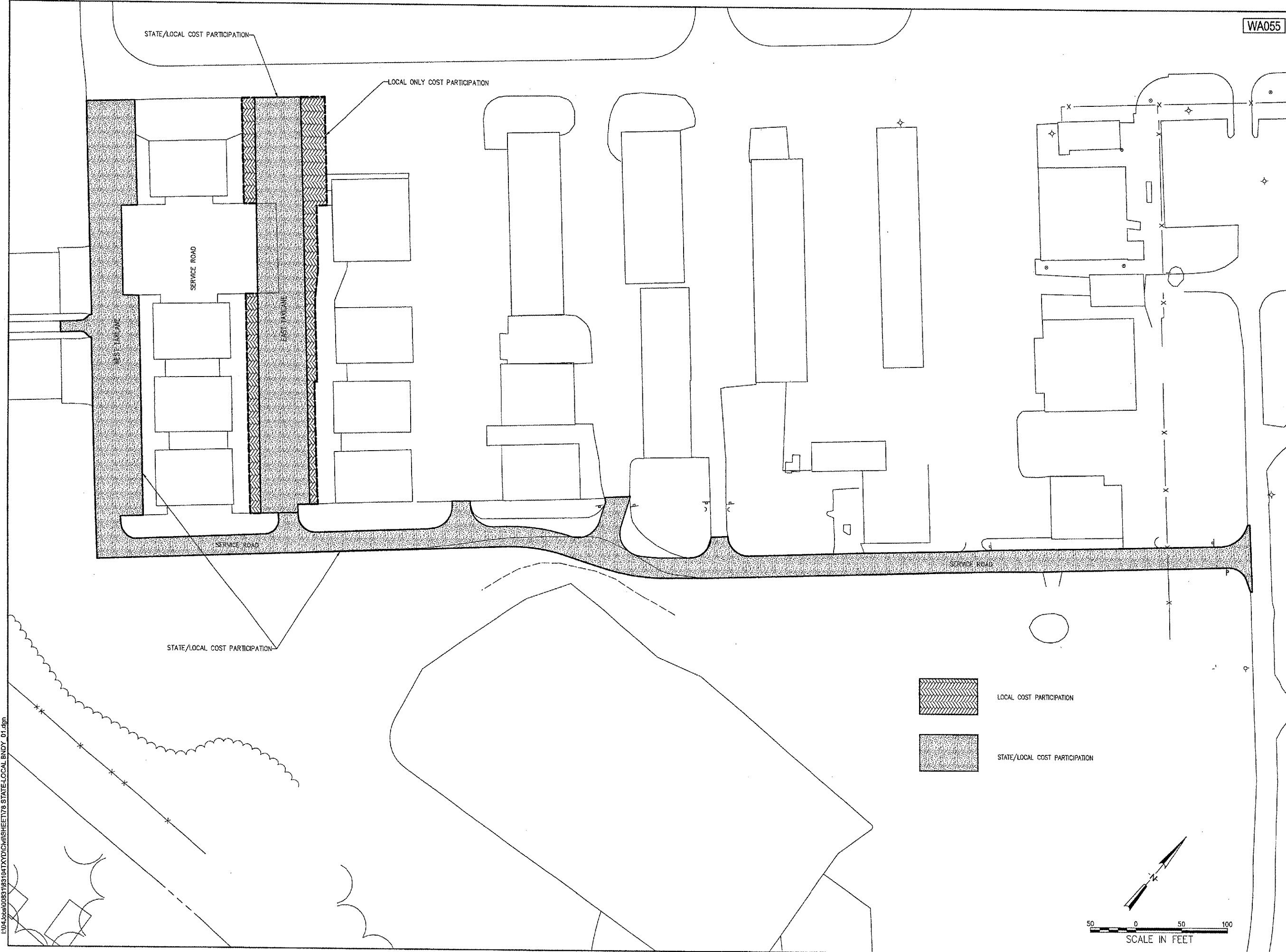
A.I.P. PROJ.: 3-17-0105-B30
IL. PROJ.: UGN-3449

No.	Drawing Issue Description	Date	By

Date
MAY 06, 2005
Sheet Title

**COST PARTICIPATION
EXHIBIT**

831-04TXVD
Project Number
AAP 02/28/05
Layout By Date
RPH 02/28/05
Designed By Date
RMH 05/05/05
Reviewed By Date
RPH
Drawn By



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