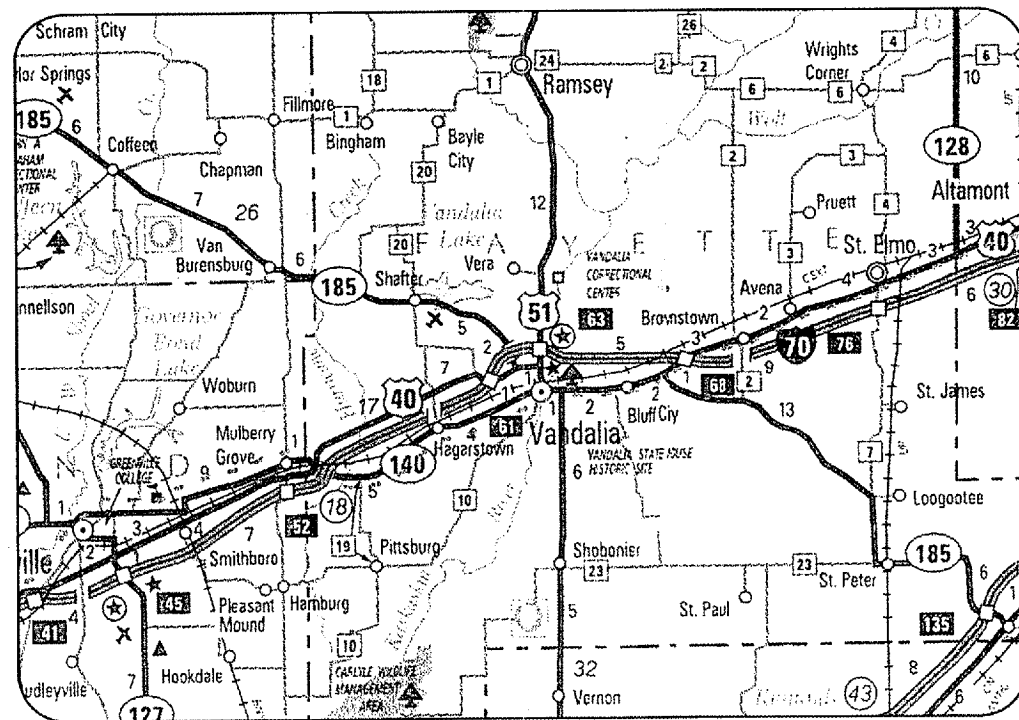


# CONSTRUCTION PLANS FOR VANDALIA MUNICIPAL AIRPORT VANDALIA, FAYETTE COUNTY, ILLINOIS CONSTRUCT HANGAR ACCESS TAXIWAY

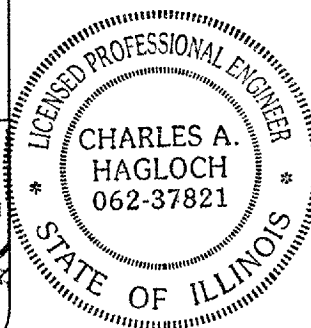
### SCOPE OF WORK

THIS PROJECT CONSISTS OF CONSTRUCTING A HANGAR ACCESS TAXIWAY. ASSOCIATED WORK ITEMS SHALL CONSISTS OF UNCLASSIFIED EXCAVATION, INSTALLATION OF DRAINAGE, CRUSHED AGGREGATE BASE COURSE, BITUMINOUS PAVEMENT, SEEDING AND MULCHING.



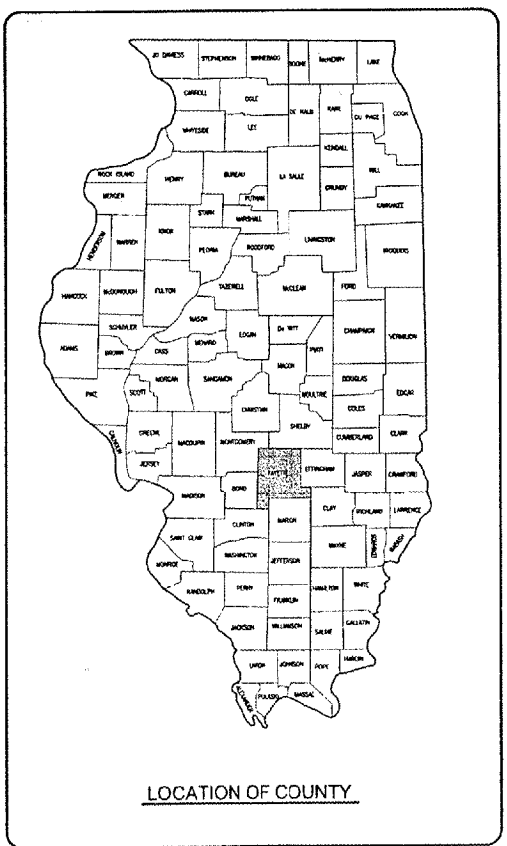
### LOCATION

ILL. PROJ.: VLA-3724  
A.I.P. PROJ.: 3-17-0102-B10  
LATITUDE: 38° 59' 32"  
LONGITUDE: 89° 09' 54"  
ELEVATION: 538' M.S.L.  
DATE: FEB. 1, 2008




**HANSON**  
Hanson Professional Services Inc.  
Submitted by: *Charles A. Hagloch* ENG'R  
Date Submitted: APRIL 3, 2008  
Lic. Exp. Date: Nov. 30, 2009

VANDALIA PARK DISTRICT  
Approved: *MARIE A. Miller* CHAIRMAN  
Date: \_\_\_\_\_  
Approved: *Margaret Blythe* SECRETARY  
Date: \_\_\_\_\_



LOCATION OF COUNTY

MAR 12, 2008 9:03 AM HAGLOO03B2  
I:\AIRPORTS\VANDALIA\07A008B\CAD\SHEETS\R-001CVR.DWG - COVER

DATE	REVISION	BY	NO.	DESCRIPTION
VANDALIA MUNICIPAL AIRPORT VANDALIA, ILLINOIS				
ILL. PROJ.: VLA-3724 A.I.P. PROJ.: 3-17-0102-B10				
FILE PROJECT NO.	07A008B.DWG			
FILE NAME	R-001CVR.DWG			
SCALE	NOT TO SCALE			
DATE	12/3/07			
LAYOUT	BAK	12/3/07		
DRAWN	BAK	12/3/07		
REVIEWED	CAH	01/11/08		
 Hanson Professional Services Inc. 1526 South Sixth Street Springfield, Illinois 62703-2886 Chicago Nationwide				
CONSTRUCT HANGAR ACCESS TAXIWAY				
COVER SHEET				
1				
1 of 13 sheets				

DATE	REVISION	BY

**SUMMARY OF QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	151	
AR152440	BORROW EXCAVATION	C.Y.	863	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	345	
AR401610	BITUMINOUS SURFACE COURSE	TON	227	
AR401665	BITUMINOUS PAVEMENT SAWING	L.F.	285	
AR602510	BITUMINOUS PRIME COAT	GAL.	337	
AR603510	BITUMINOUS TACK COAT	GAL.	142	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	356	
AR701008	8" PVC STORM SEWER	L.F.	217	
AR751411	INLET-TYPE A	EACH	2	
AR752850	SPECIAL STRUCTURE	EACH	1	
AR901510	SEEDING	ACRE	0.3	
AR908510	MULCHING	ACRE	0.3	

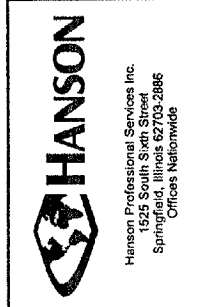
**INDEX TO SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED CONSTRUCTION PLAN
5	PROPOSED DRAINAGE PLAN
6	PROPOSED STAKING PLAN
7	PROPOSED MARKING PLAN
8	PROPOSED NOTES AND DETAILS
9	PROPOSED CROSS-SECTIONS FOR HANGAR ACCESS TAXIWAY STA. 4+66.50 TO STA. 5+00
10	PROPOSED CROSS-SECTIONS FOR HANGAR ACCESS TAXIWAY STA. 5+25 TO STA. 6+00
11	PROPOSED CROSS-SECTIONS FOR HANGAR ACCESS TAXIWAY STA. 6+25 TO STA. 7+00
12	PROPOSED CROSS-SECTIONS FOR HANGAR ACCESS TAXIWAY STA. 7+25 TO STA. 7+75
13	PROPOSED CROSS-SECTIONS FOR HANGAR ACCESS TAXIWAY STA. 8+00 TO STA. 8+25

VANDALIA MUNICIPAL AIRPORT  
VANDALIA, ILLINOIS

IL PROJ.: VLA-3724 A.I.P. PROJ.: 3-17-0102-B10

HD Project No. 07A0088D_0800 Filename R-002FLP.DWG Scale NOT TO SCALE Date 12/3/07	LAYOUT BAK 12/3/07 DRAWN BAK 12/3/07 REVIEWED CAH 01/11/08
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CONSTRUCT HANGAR ACCESS TAXIWAY  
SUMMARY OF QUANTITIES AND INDEX TO SHEETS

**SCOPE OF WORK**

THIS PROJECT CONSISTS OF CONSTRUCTING A HANGAR ACCESS TAXIWAY, ASSOCIATED WORK ITEMS SHALL CONSISTS OF UNCLASSIFIED EXCAVATION, INSTALLATION OF DRAINAGE, CRUSHED AGGREGATE BASE COURSE, BITUMINOUS PAVEMENT, SEEDING AND MULCHING.

**UTILITY NOTE**

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES WHICH HAVE LINES OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO ACCOMPLISH THE ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL UNDERGROUND NON-JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UNDERGROUND IMPROVEMENTS WILL BE LOCATED AT THE CONTRACTOR'S OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

**HEIGHT OF CONSTRUCTION EQUIPMENT**

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 15 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A CONCRETE TRUCK.

**HAUL ROUTE AND VEHICLE PARKING**

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 200' X 200'. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL GRADE, FERTILIZE, SEED AND MULCH THE HAUL ROUTE AND PARKING AREA AS NEEDED TO RESTORE IT TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**CONTRACTOR RESPONSIBILITIES**

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE THIS AREA.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.

THE CONTRACTOR SHALL KEEP ONE RUNWAY OPEN AT ALL TIMES AND MAINTAIN CONTINUOUS TAXIWAY ACCESS TO ALL HANGARS AND ADMINISTRATIVE AREAS.

ALL WORK PERFORMED SHALL BE DONE IN A ORDERLY AND EFFECTIVE MANNER TO MINIMIZE RUNWAY CLOSURE.

NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT.

NO RUNWAY SHALL BE CLOSED.

**BARRICADES AND TRAFFIC CONES**

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY-BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123.

BENCHMARK DATA		
NO.	DESCRIPTION	ELEV.
1	CHISELED SQUARE ON TOP OF 18" CONCRETE CULVERT FLARED END SECTION	530.89
2	CHISELED SQUARE ON TOP OF 18" CONCRETE CULVERT BELL HOUSING	532.01
3	CHISELED SQUARE ON TOP OF 24" CONCRETE CULVERT FLARED END SECTION	530.77
4	NGS MONUMENT "VANPORT" - NGS STEEL ROD IN SLEEVE 49' EAST OF EAST EDGE OF TAXIWAY "A", 102' SOUTH OF CENTERLINE OF RUNWAY 9-27	532.18

**CERTIFIED PAYROLLS**

THE RESIDENT ENGINEER CANNOT FORWARD CONSTRUCTION REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

**MATERIAL CERTIFICATION**

COMPLETED WORK CANNOT BE PLACED ON A CONSTRUCTION REPORT UNTIL ALL MATERIAL CERTIFICATIONS FOR THAT PAY ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER.

**J.U.L.I.E. INFORMATION**

COUNTY: FAYETTE  
 CITY: VANDALIA  
 TOWNSHIP: BEAR GROVE  
 SECTION NO.: 2  
 ADDRESS: VANDALIA MUNICIPAL AIRPORT  
 R.R. #3  
 VANDALIA, ILLINOIS 62471

**CRITICAL POINT DATA**

LATITUDE: 38° 59' 14.28673"  
 LONGITUDE: 89° 09' 53.73149"  
 ELEVATION: 531.20 M.S.L.

**PROPOSED SAFETY PLAN**

GENERAL - THE VANDALIA MUNICIPAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING EITHER RUNWAY.

IDENTIFICATION - WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.80 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE VANDALIA MUNICIPAL AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

**EROSION CONTROL**

THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND, THEREFORE NO N.P.D.E.S. PERMIT WILL BE REQUIRED.

**150-ENGINEER'S FIELD OFFICE NOTES**

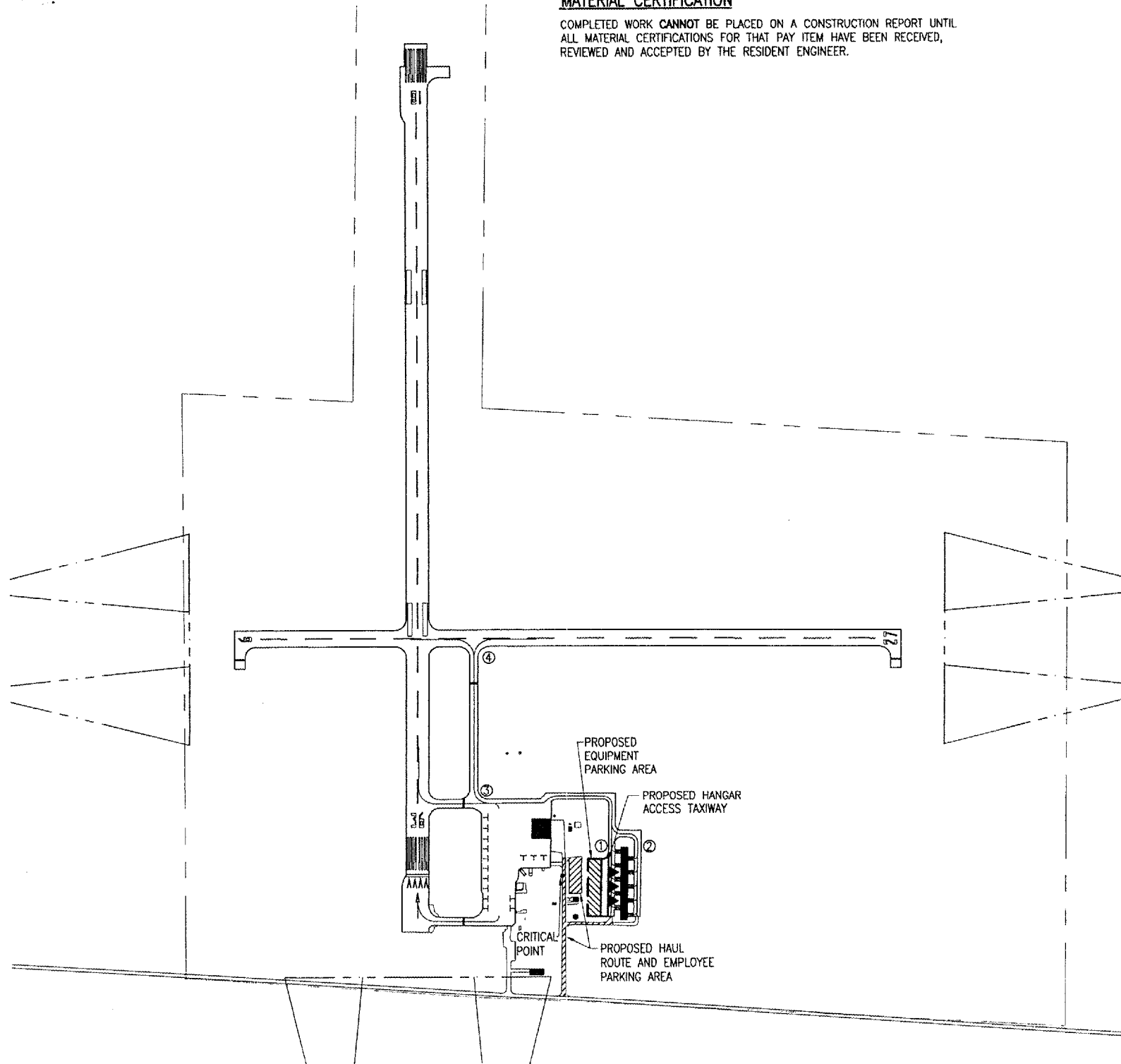
THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE FURNISHED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH ITEM AR150510 "ENGINEER'S FIELD OFFICE" AS STATED ON PAGE 168 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE LOCATION OF THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.

THE ENGINEERING FIRM WILL MAKE PAYMENT FOR ALL LONG DISTANCE TELEPHONE CALLS IN EXCESS OF ONE HUNDRED DOLLARS (\$100.00) PER MONTH.

THE CONTRACTOR WILL FURNISH A CELL PHONE TO THE RESIDENT ENGINEER FOR HIS EXCLUSIVE USE FOR THE DURATION OF THE PROJECT. THE RESIDENT ENGINEER WILL USE THIS PHONE FOR PROJECT BUSINESS ONLY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CHARGES ASSOCIATED WITH THIS CELL PHONE.

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS: AR150510 ENGINEER'S FIELD OFFICE \_\_\_\_ 1 L.S.



DATE	REVISION

VANDALIA MUNICIPAL AIRPORT  
 VANDALIA, ILLINOIS  
 I.L. PROJ.: VA-3724 A.I.P. PROJ.: J-17-0102-810

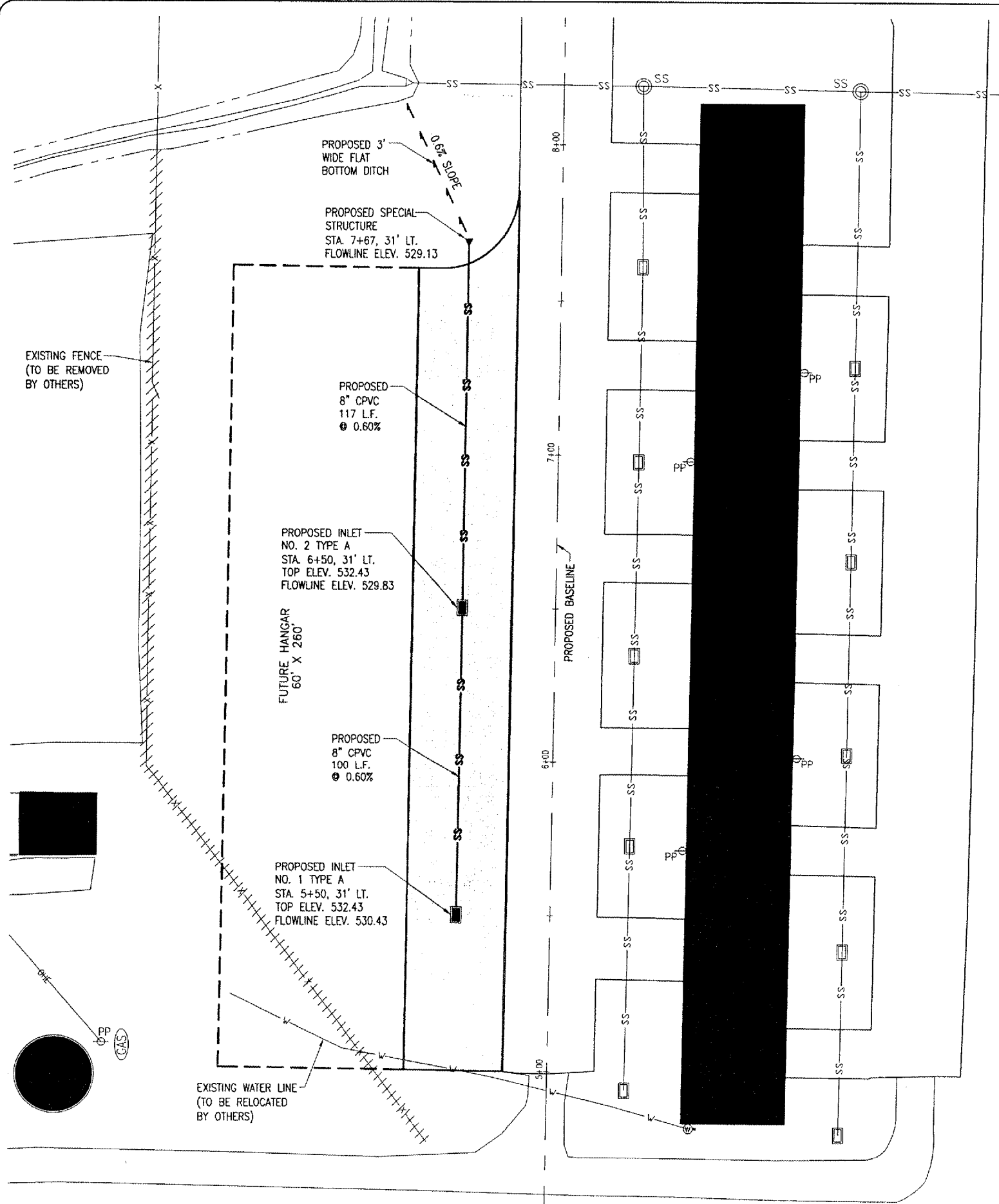
REVISED	CAH	01/11/08
DRAWN	BAK	12/14/07
LAYOUT	BAK	12/14/07

**HANSON**  
 Hanson Professional Services Inc.  
 1525 South Sixth Street  
 Springfield, Illinois 62703-2886  
 Offices Nationwide

CONSTRUCT HANGAR ACCESS TAXIWAY  
 PROPOSED SAFETY PLAN



MAR 12 2008 9:08 AM HAGL000382  
 \\AIRPORTS\VA018\VA018\0740088\CAD\SSHEETS\R-131DRN.DWG - DRAINAGE



THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123.

**FENCE REMOVAL**

THE EXISTING FENCE WILL BE REMOVED BY THE PARK DISTRICT PERSONNEL PRIOR TO THE START OF THE PROJECT.

**WATER LINE RELOCATION**

THE EXISTING WATER LINE WILL BE RELOCATED BY THE PARK DISTRICT PERSONNEL PRIOR TO THE START OF THE PROJECT.

**DRAINAGE NOTES**

PROPOSED INLETS 1 AND 2 WILL BE CONSTRUCTED IN ACCORDANCE TO THE DETAIL SHOWN ON SHEET NO. 8. THEY WILL BE CONSTRUCTED USING A NEENAH R-3475-A, DEETER 2425-E OR EQUAL GRATE AT THE LOCATIONS SHOWN ON THIS SHEET.

THE PROPOSED PIPE WILL BE 8" CORRUGATED POLY VINYL CHLORIDE WITH A SMOOTH INTERIOR. THE PROPOSED PIPE WILL BE CONNECTED WITH FITTINGS AS RECOMMENDED BY THE PIPE MANUFACTURER.

THE PART OF THE PIPE THAT IS UNDER PAVEMENT WILL BE BACKFILLED WITH IDOT CA-14 OR IDOT CA-16 UP TO THE PROPOSED SUBGRADE. THE PART OF THE PIPE THAT IS NOT UNDER THE PAVEMENT WILL BE BACKFILLED HALF WAY UP THE PIPE WITH IDOT CA-14 OR IDOT CA-16 AND UNCLASSIFIED EXCAVATION THE REST OF THE WAY.

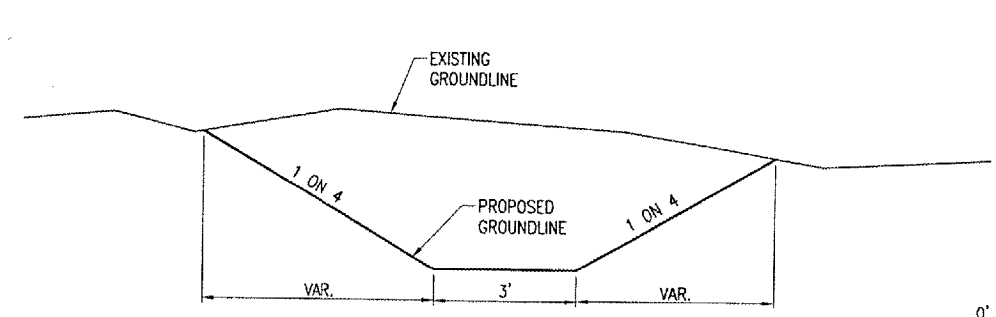
THE PROPOSED PIPE WILL BE PAID FOR UNDER:  
 AR701008 8" PVC STORM SEWER \_\_\_\_\_ PER L.F.

THE PROPOSED INLETS WILL BE PAID FOR UNDER:  
 AR751411 INLET-TYPE A \_\_\_\_\_ PER EACH

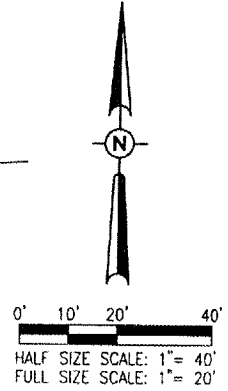
THE PROPOSED SPECIAL STRUCTURE WILL BE PAID FOR UNDER:  
 AR752850 SPECIAL STRUCTURE \_\_\_\_\_ PER EACH

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING BUILDING
- FUTURE BUILDING
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING FENCE
- EXISTING FENCE (TO BE REMOVED)
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WATER LINE (TO BE RELOCATED)
- EXISTING DRAINAGE DITCH
- PROPOSED DRAINAGE DITCH
- EXISTING WATER SPIGOT
- EXISTING INLET
- PROPOSED INLET
- EXISTING DROP INLET
- EXISTING FLARED END SECTION
- PROPOSED SPECIAL STRUCTURE
- EXISTING POWER POLE
- EXISTING PROPANE TANK



**FLAT BOTTOM DITCH DETAIL**  
 "NOT TO SCALE"

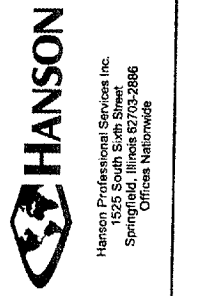


VA018

DATE	REVISION	BY

VANDALIA MUNICIPAL AIRPORT  
 VANDALIA, ILLINOIS  
 A.I.P. PROJ.: 3-17-0102-B10  
 I.L. PROJ.: VLA-3724

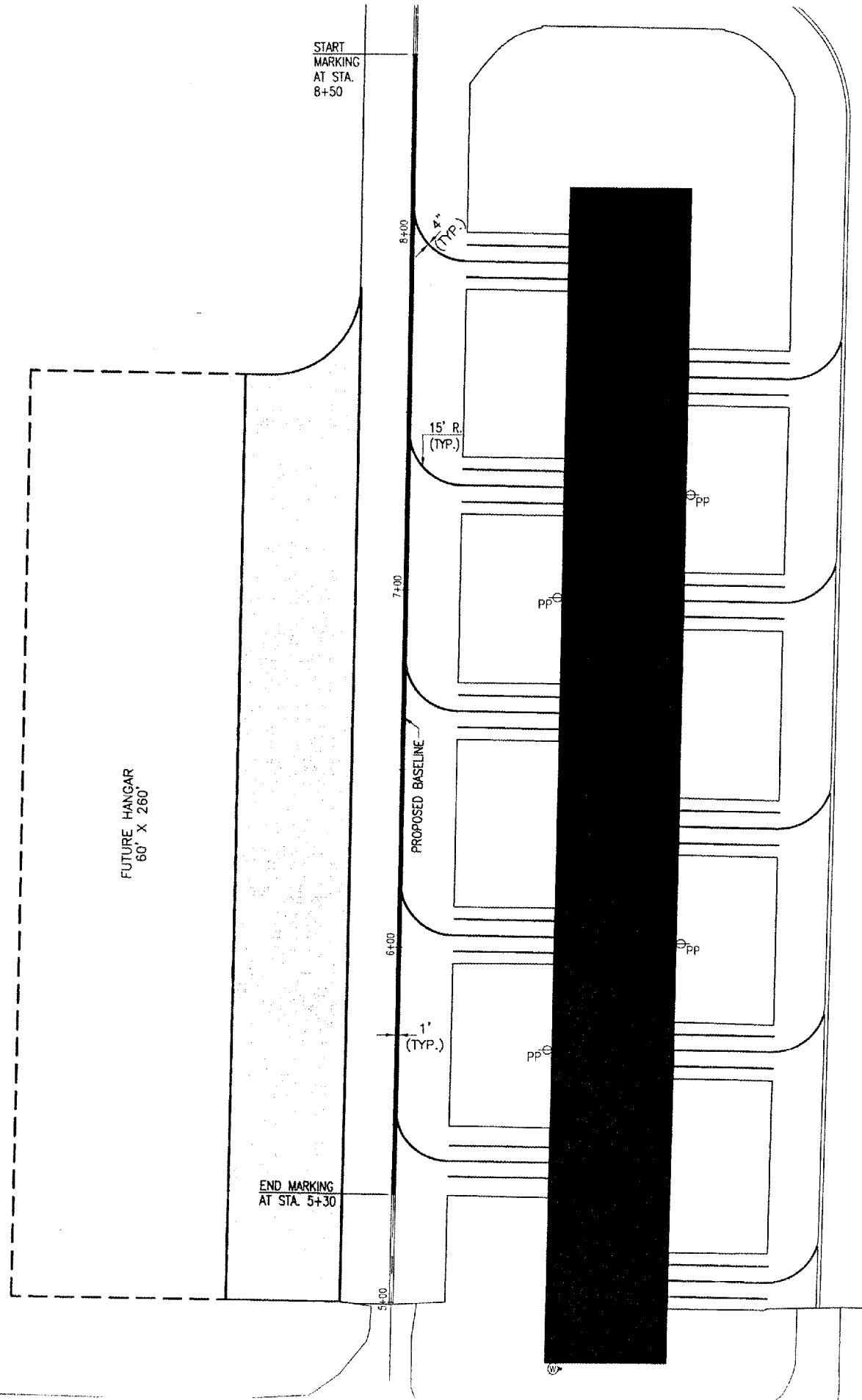
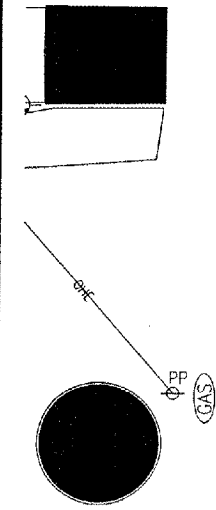
HD Project No. 0740088D_0800 Filename R-131DRN.DWG Scale 1" = 20' Date 12/18/07	LAYOUT DRAWN BAK REVIEWED CAH	12/18/07 12/18/07 01/11/08
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CONSTRUCT HANGAR  
 ACCESS TAXIWAY  
 PROPOSED  
 DRAINAGE  
 PLAN



MAR 12, 2008 9:09 AM HAGL000382  
 I:\AIRPORTS\VANDALIA\07A0088\CAD\SHEETS\R-151MRK.DWG - MARKING



**620-PAVEMENT MARKING-WATERBORNE NOTES**

THE PAVEMENT MARKING-WATERBORNE (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 77 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM SHALL CONSIST OF TAXIWAY CENTERLINE MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL TAXIWAY CENTERLINE MARKING WILL BE YELLOW IN COLOR. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.

ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

ALL CURING COMPOUND WILL BE CLEANED FROM CONCRETE PAVEMENT PRIOR TO APPLYING PAINT. NO EXCEPTIONS.

ALL PROPOSED MARKING WILL BE COMPLETED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION PLANS.

GLASS BEADS SHALL BE REQUIRED ONLY ON THE SECOND APPLICATION.

CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:  
 AR620520 PAVEMENT MARKING-WATERBORNE \_\_\_ PER S.F.

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING BUILDING
- FUTURE BUILDING
- EXISTING FENCE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WATER SPIGOT
- EXISTING POWER POLE
- EXISTING PROPANE TANK
- EXISTING MARKING
- PROPOSED MARKING

VA018

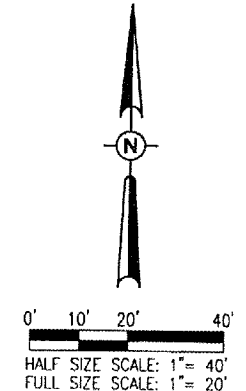
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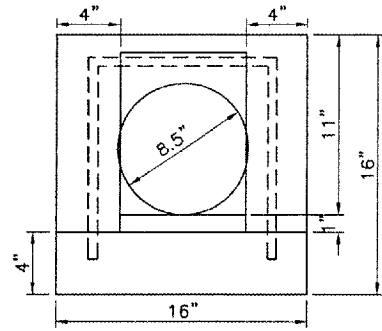
VANDALIA MUNICIPAL AIRPORT  
 VANDALIA, ILLINOIS

I.D. Project No. 07A0088D_0800 Filename R-151MRK.DWG Scale 1" = 20' Date 12/18/07	LAYOUT DRAWN BAK REVIEWED CAH	12/18/07 12/18/07 01/11/08
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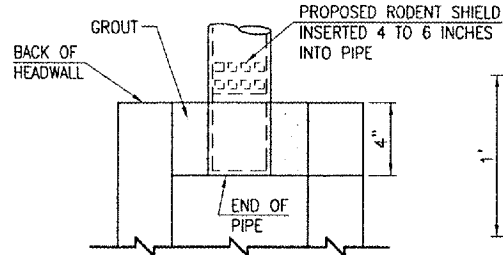
**HANSON**  
 Hanson Professional Services Inc.  
 1025 South Start Street  
 Springfield, IL 62703-2888  
 Offices Nationwide

CONSTRUCT HANGAR  
 ACCESS TAXIWAY  
 PROPOSED  
 MARKING  
 PLAN

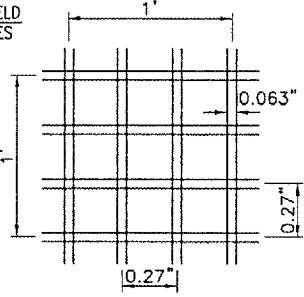




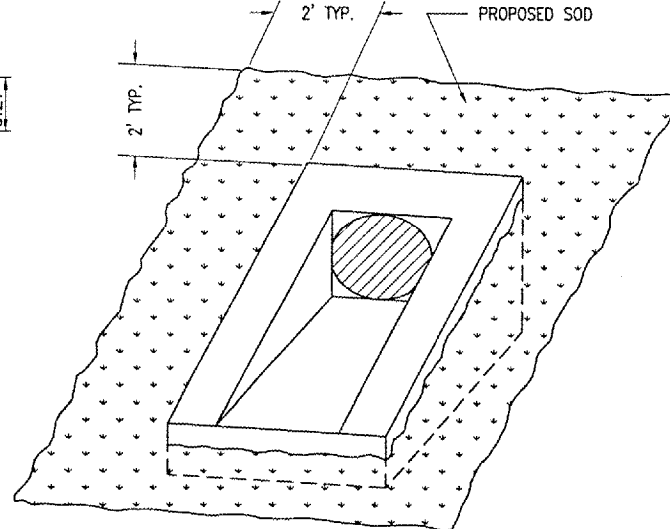
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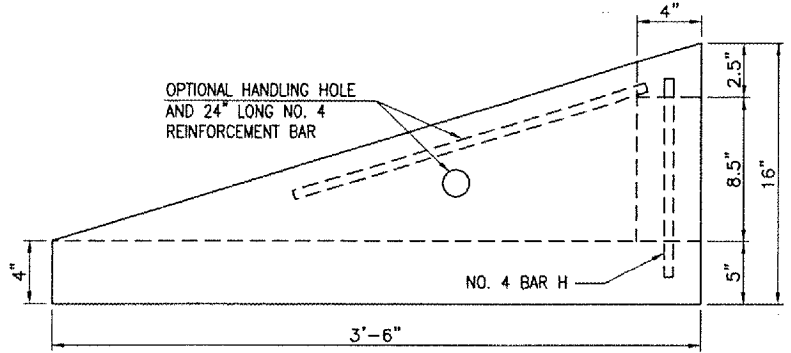
**RODENT SHIELD PLACEMENT**  
"NOT TO SCALE"



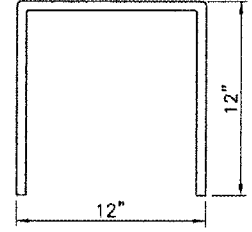
**SECTION A-A**  
"NOT TO SCALE"



**PROPOSED SOD LOCATION**  
"NOT TO SCALE"

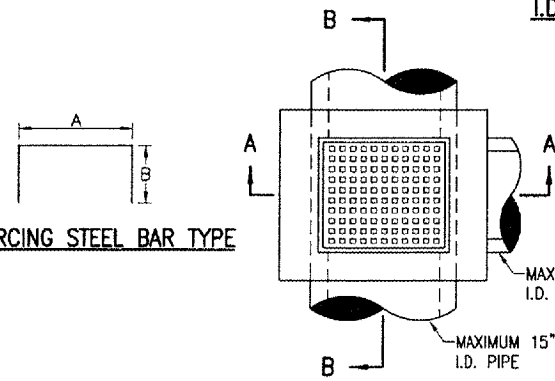


**SIDE VIEW**  
"NOT TO SCALE"



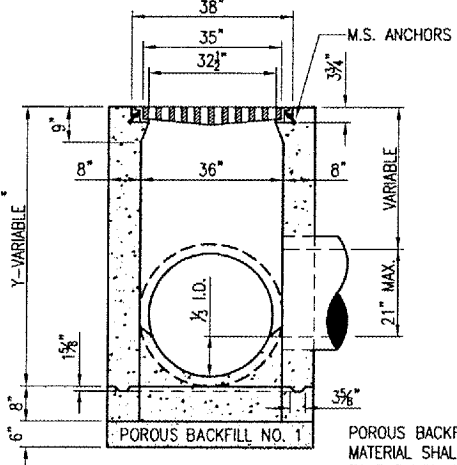
**BAR H**  
"NOT TO SCALE"

**SPECIAL STRUCTURE FOR UNDERDRAIN DETAIL**  
I.D.O.T. STANDARD 2362-4  
"NOT TO SCALE"

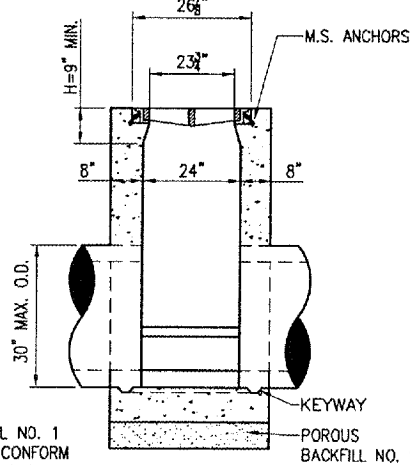


**REINFORCING STEEL BAR TYPE**

REINFORCING BARS SCHEDULE					
TYPE	QUANTITY PER INLET	DIMENSIONS		SIZE	APPROX. WT. OF BARS IN INLET
A		A	B		
A	2	3'-4"	2'-4"	#5	16.7



**SECTION A-A**



**SECTION B-B**

**INLET NOTES**

INLET TO BE CONSTRUCTED OF STRUCTURAL P.C. CONCRETE. THE CONTRACT UNIT PRICE PER INLET SHALL INCLUDE THE FRAME, GRATE AND STEPS IN PLACE AND COMPLETE PER UNIT.

1/2" CHAMFER TO BE USED ON ALL EXPOSED CORNERS OF INLETS. BARS TO BE INSTALLED 2" FROM FACE OF WALLS.

THE FRAME AND GRATE SHALL BE NEENAH R-3475-A, DEETER 2425-E.

"H" SHALL BE EQUAL TO THE PROPOSED PAVEMENT THICKNESS AND NOT LESS THAN THE ATTACHED MINIMUMS. TYPE A \_\_\_\_\_ 9" MINIMUM.

INLET STEPS SHALL BE NEENAH R-1980-1. 12" TO 15" C.C. STEPS TO BE INSTALLED WHEN Y IS GREATER THAN 5' COST. THE COST OF THE STEPS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EACH INLET.

**602-BITUMINOUS PRIME COAT NOTES:**

THE BITUMINOUS PRIME COAT (602) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR602 "BITUMINOUS PRIME COAT" AS STATED ON PAGE 58 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED BITUMINOUS PRIME COAT SHALL BE PLACED ON THE PROPOSED AGGREGATE BASE COURSE PRIOR TO THE PLACEMENT OF THE FIRST LIFT OF PROPOSED BITUMINOUS SURFACE COURSE. THE PROPOSED AGGREGATE BASE COURSE SHALL HAVE A PRIME COAT OF BITUMINOUS MATERIAL APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

THE PROPOSED BITUMINOUS PRIME COAT WILL BE PAID FOR UNDER ITEM: AR602510 BITUMINOUS PRIME COAT \_\_\_\_\_ PER GAL.

**603-BITUMINOUS TACK COAT NOTES:**

THE BITUMINOUS TACK COAT (603) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR603 "BITUMINOUS TACK COAT" AS STATED ON PAGE 62 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED ON THE PROPOSED BITUMINOUS PAVEMENT PRIOR TO THE PLACEMENT OF THE NEXT LIFT OF PROPOSED BITUMINOUS SURFACE COURSE. THE PROPOSED BITUMINOUS PAVEMENT SHALL HAVE A TACK COAT OF BITUMINOUS MATERIAL APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM: AR603510 BITUMINOUS TACK COAT \_\_\_\_\_ PER GAL.

**AR401611 BITUMINOUS SURFACE COURSE - METHOD 1**

THE BITUMINOUS SURFACE COURSE (401) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR401001 "BITUMINOUS SURFACE COURSE-METHOD 1" AS STATED ON PAGE 245 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING 2 LIFTS OF BITUMINOUS SURFACE COURSE (FIRST LIFT WILL BE 2-1/2" AND SECOND LIFT WILL BE 1-1/2") ON THE EXISTING BITUMINOUS PAVEMENT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY CONTROL IN THE PRODUCTION AND CONSTRUCTION OF THE BITUMINOUS SURFACE COURSE.

PRIOR TO STARTING THE AGGREGATE BITUMINOUS SURFACE COURSE OPERATION, THE CONTRACTOR SHALL SUBMIT TO THE RESIDENT ENGINEER A DETAILED OUTLINE SHOWING AREAS AND ORDER OF PAVING WIDTHS OF PAVING LANES, AND REQUIRED OFFSETS FOR ELECTRONIC GRADE.

THE PROPOSED BITUMINOUS SURFACE COURSE WILL BE DESIGNED TO A MARSHALL DESIGN OF (LESS) THAN 60,000 POUNDS.

401-4.9 ADD THE FOLLOWING TO THIS SECTION:

WHEN HAND SPREADING IS PERMITTED, THE MIXTURE WILL BE DISTRIBUTED AND SPREAD USING HAND TOOLS. WHEN THE WORK IS COMPLETED, THE LAYER WILL HAVE THE REQUIRED THICKNESS AND CONFORM TO THE GRADE AND SURFACE CONTOUR SHOWN ON THE PLANS.

401-4.12 ADD THE FOLLOWING TO THIS PARAGRAPH:

ALL PAVEMENT EDGES (LONGITUDINAL, RADIUS, AND PAVEMENT ENDS) MUST BE LEFT IN PROPER ALIGNMENT AS SHOWN ON THE PLANS. THIS MAY BE ACCOMPLISHED BY THE TRIMMING METHOD OUTLINED ABOVE OR AT THE CONTRACTOR'S OPTION BY SAWING AFTER THE PAVING HAS BEEN COMPLETED. NO ADDITIONAL COMPENSATION WILL BE MADE IF THE SAWING METHOD IS USED.

**AR209-CRUSHED AGGREGATE BASE COURSE NOTES**

THE CRUSHED AGGREGATE BASE COURSE (209) SHALL BE PLACED IN ACCORDANCE WITH ITEM 209 "CRUSHED AGGREGATE BASE COURSE" AS STATED ON PAGE 45 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE CRUSHED AGGREGATE BASE COURSE MATERIAL (CA-6) WILL BE USED TO CONSTRUCT A BASE COURSE FOR THE PROPOSED BITUMINOUS SURFACE COURSE (401). THE CRUSHED AGGREGATE BASE COURSE MATERIAL WILL BE 6" IN DEPTH AND COMPACTED TO NOT LESS THAN 95 PERCENT DENSITY.

THE PROPOSED AGGREGATE FOR THE BASE COURSE MATERIAL SHALL MEET THE REQUIREMENTS OF GRADATION "B" IN TABLE 1 OF THE SUPPLEMENTAL SPECIFICATIONS.

209-3.2 EQUIPMENT. ADD THE FOLLOWING PARAGRAPHS TO THIS SECTION:

"PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR FURNISHING WATER AT THE PLANT AND AT THE SITE OF THE WORK BY EQUIPMENT OF AMPLE CAPACITY AND OF SUCH DESIGN AS TO ASSURE UNIFORM MIXING AND APPLICATION."

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER A PROCTOR CURVE SHOWING OPTIMUM DENSITY AND MOISTURE FOR THE SUPPLIED BASE COURSE MATERIAL.

THE COMPACTION CONTROL TEST TO BE USED SHALL BE FAA COMPACTION CONTROL TEST T-611 FOR AIRCRAFT WEIGHING LESS THAN 60,000 LBS.

209-4.1. DELETE THE FIFTH SENTENCE AND REPLACE IT WITH THE FOLLOWING:

"IF AT THE TIME THE AGGREGATES ARE WEIGHED THEY CONTAIN MORE THAN SIX (6) PERCENT OF ABSORBED AND FREE MOISTURE BY WEIGHT, A DEDUCTION FOR THE MOISTURE IN EXCESS OF THIS AMOUNT SHALL BE MADE IN DETERMINING THE PAY QUANTITY."

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DATE	REVISION	BY

VANDALIA MUNICIPAL AIRPORT  
VANDALIA, ILLINOIS

IL PROJ.: VA-3724 A.I.P. PROJ.: 3-17-0102-B10

FILE NAME	R-122CON.DWG
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DATE	12/17/07
LAYOUT	BAK
DRAWN	BAK
REVIEWED	CAH
DATE	01/11/08

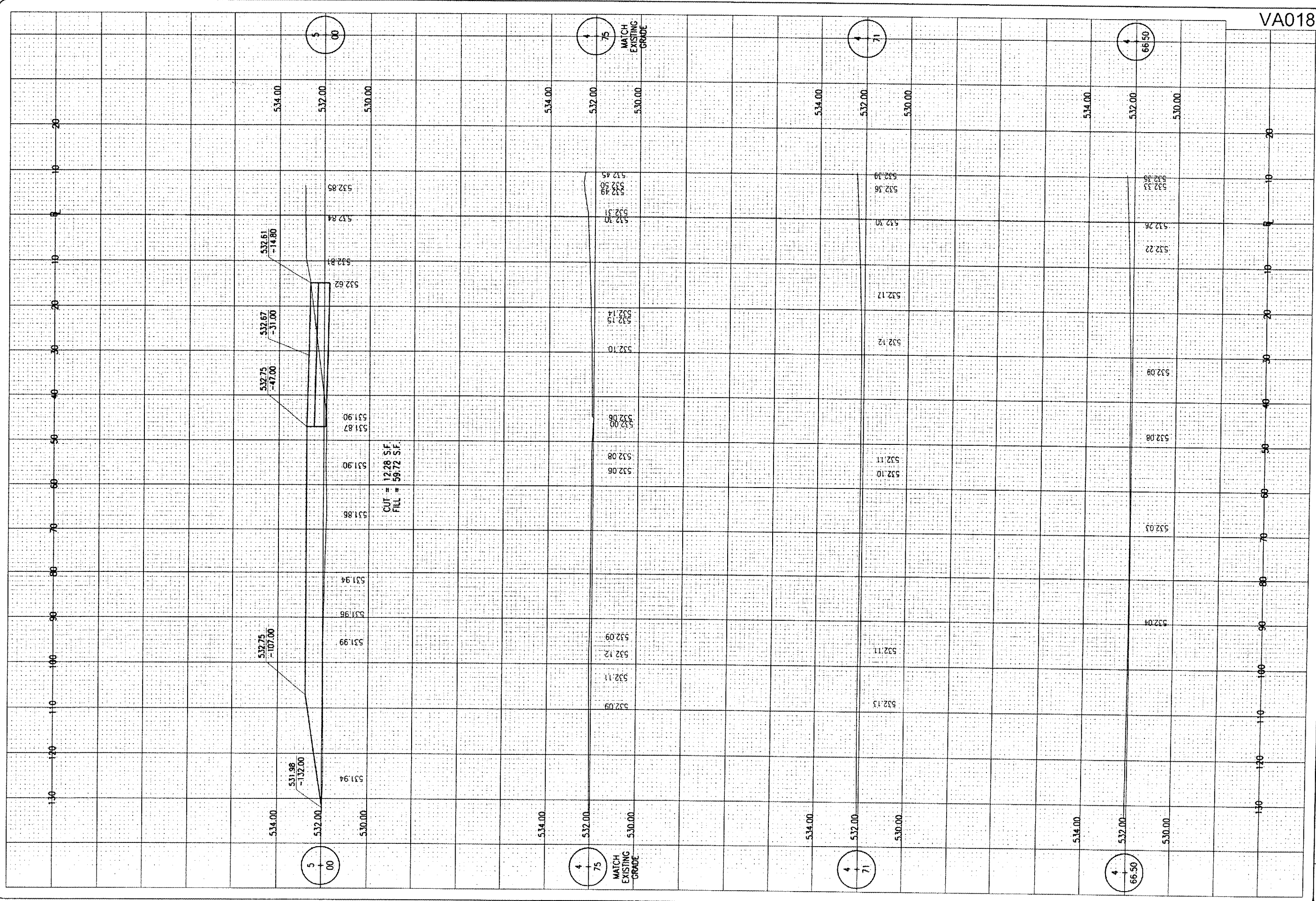
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CONSTRUCT HANGAR  
ACCESS TAXIWAY

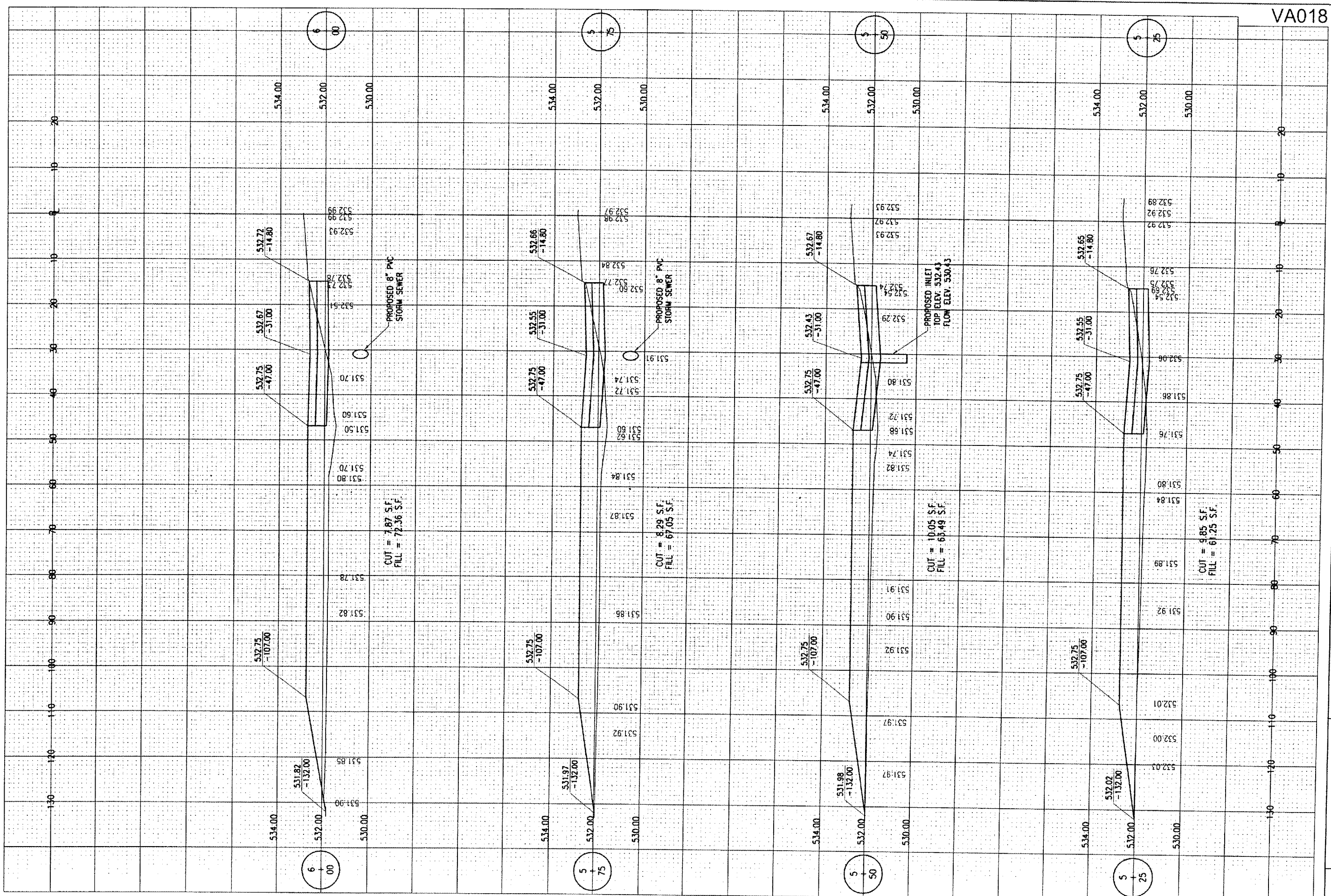
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<p><b>HANSON</b>                  Hanson Professional Services Inc.                  1525 South Sixth Street                  Springfield, Illinois 62703-2886                  Offices Nationwide</p>	<b>CONSTRUCT HANGAR                  ACCESS TAXIWAY</b> PROPOSED CROSS-SECTIONS FOR HANGAR ACCESS TAXIWAY STA. 4+66.50 TO STA. 5+00	
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