

CONSTRUCTION PLANS FOR MT. VERNON AIRPORT MT. VERNON, JEFFERSON COUNTY, ILLINOIS CONSTRUCT COMMUNITY HANGAR SITE

SCOPE OF WORK

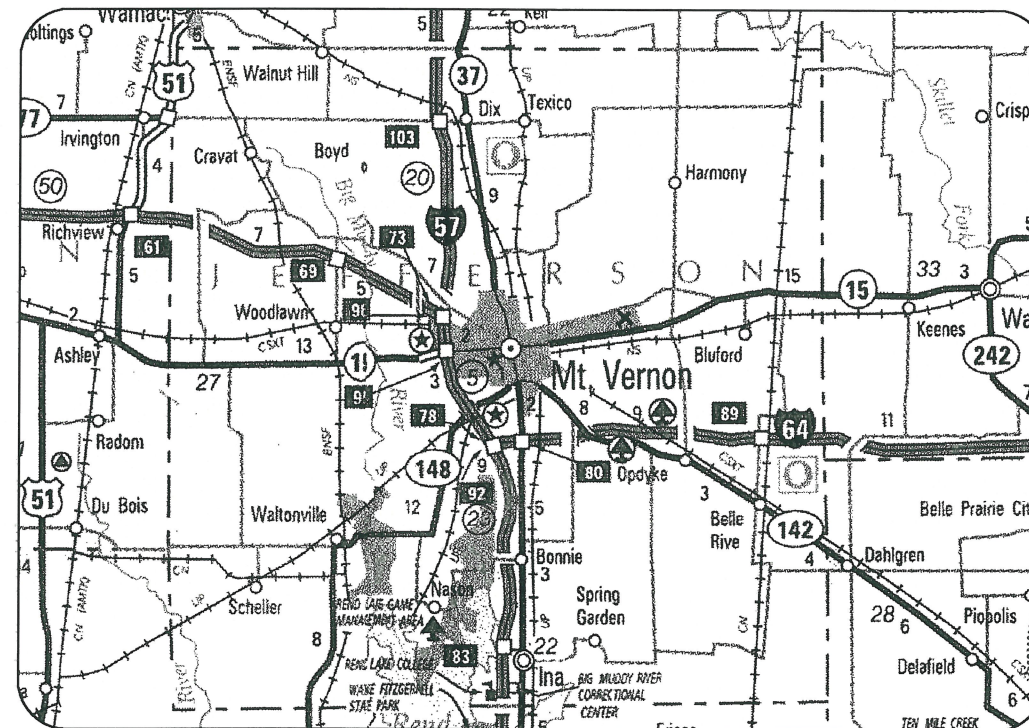
BASE BID: INCLUDES CONSTRUCTION OF 9" P.C.C. RAMP & 4" BITUMINOUS PARKING LOT. ASSOCIATED WORK INCLUDES MARKING, DRAINAGE AND GRADING.

ILL. PROJ.: MVN-4006
A.I.P. PROJ.: 3-17-0074-B21

LATITUDE: 38° 19' 24"
LONGITUDE: 88° 51' 30"
ELEVATION: 480.0' M.S.L.
DATE: APRIL 30, 2010



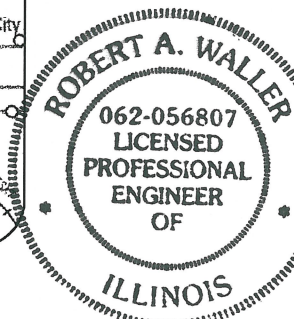
LOCATION OF COUNTY



LOCATION

MT. VERNON AIRPORT AUTHORITY
Approved: *[Signature]*
Date: 04/19/2010
Approved: *[Signature]*
Date: 04/19/2010

HANSON
Hanson Professional Services Inc.
AIRPORT ENGINEER
Submitted by: *[Signature]* ENG'R
Date Submitted: APRIL 30, 2010
Lic. Exp. Date: NOVEMBER 30, 2011



DATE	REVISION	BY

MT. VERNON AIRPORT
HANSON
MT. VERNON, ILLINOIS
A.I.P. PROJ.: 3-17-0074-B21
ILL. PROJ.: MVN-4006

FILENAME	SCALE	DATE	LAYOUT	DRAWN	REVIEWED
R-001CVR.DWG	N/A	04/19/2010	JSL	CWS	RAW

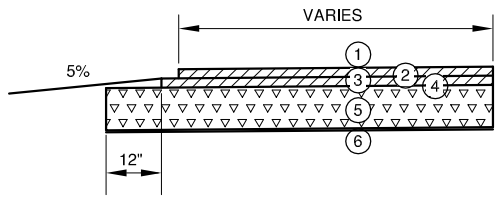
HANSON
Hanson Professional Services Inc.
3125 New Era Road
Murphysboro, Illinois 62966
Offices Nationwide

CONSTRUCT COMMUNITY
HANGAR SITE

COVER SHEET

APR 30, 2010 3:58 PM SCHUBO1446
C:\AIRPORTS\MTVERNON\09A0008\AIRPORT SHEETS\R-001CVR.DWG - COVER

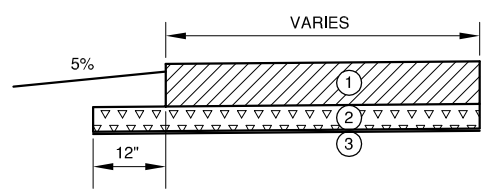
DATE	REVISION	BY



ENTRANCE DRIVE AND PARKING

1. PROPOSED 1 1/2" BITUMINOUS SURFACE COURSE
2. BITUMINOUS TACK COAT
3. PROPOSED 2 1/2" BITUMINOUS BASE COURSE
4. BITUMINOUS PRIME COAT
5. PROPOSED 6" CRUSHED AGGREGATE BASE COURSE
6. PROPOSED SEPARATION FABRIC

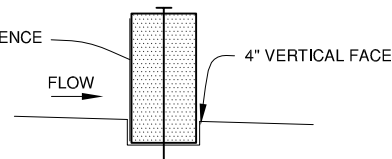
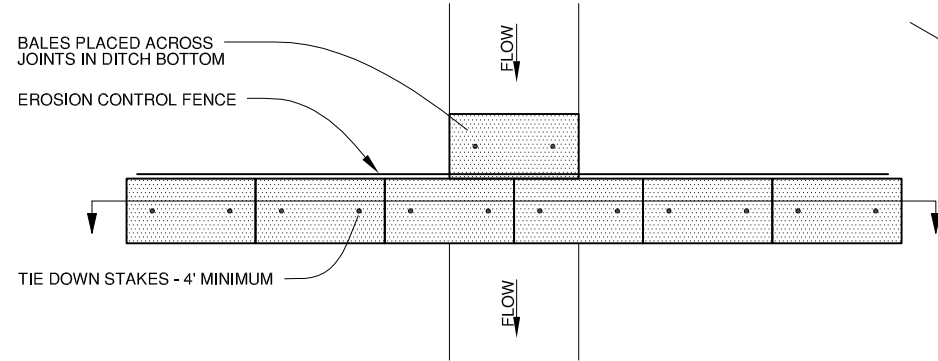
1 TYPICAL SECTION
2 N.T.S.



PCC APRON

1. PROPOSED 9" PCC
2. PROPOSED 5" CRUSHED AGGREGATE BASE COURSE
3. PROPOSED SEPARATION FABRIC

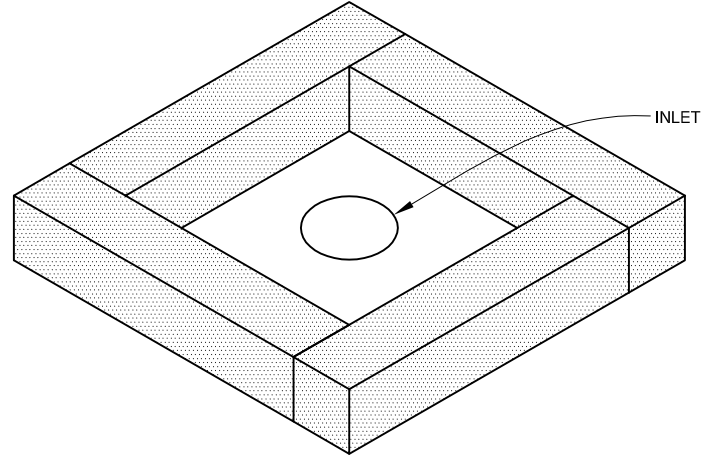
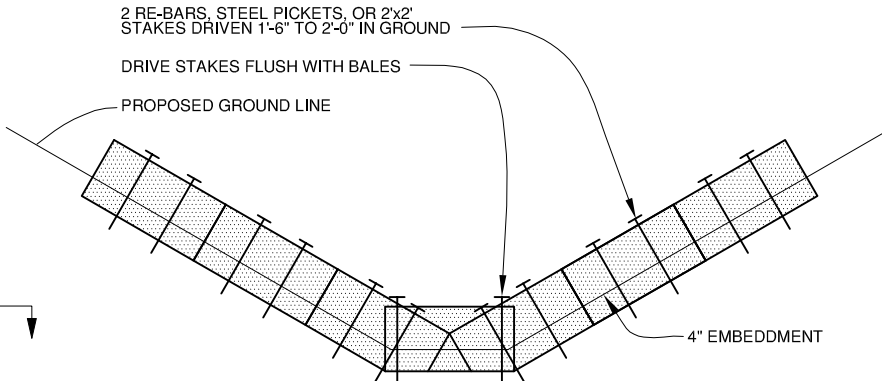
2 TYPICAL SECTION
2 N.T.S.



NOTES:

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR AS DIRECTED BY THE ENGINEER, AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS AND TURFING IS ESTABLISHED
6. DITCH CHECK AND INLET PROTECTION SHALL BE INCIDENTAL TO THE CONTRACT. THIS IS TO INCLUDE THE COST OF INSTALLATION, MAINTENANCE AND REMOVAL.

3 HAY BALE DETAILS
2 N.T.S.



SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150450	HAUL ROUTE	L.S.	1	
AR152411	UNCLASSIFIED EXCAVATION	L.S.	1	
AR152442	OFFSITE BORROW EXCAVATION	C.Y.	3,500	
AR156510	SILT FENCE	L.F.	740	
AR156513	SEPARATION FABRIC	S.Y.	3,540	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	1,040	
AR401613	BIT. SURF. CSE. - METHOD I, SUPERPAVE	TON	75	
AR403613	BIT. BASE. CSE. - METHOD I, SUPERPAVE	TON	130	
AR510510	TIE DOWN	EA.	6	
AR501509	9" PCC PAVEMENT	S.Y.	2,590	
AR501530	PCC TEST BATCH	EA.	1	
AR602510	BITUMINOUS PRIME COAT	GAL.	265	
AR603510	BITUMINOUS TACK COAT	GAL.	90	
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	309	
AR701512	12" RCP, CLASS IV	L.F.	240	
AR751411	INLET - TYPE A	EA.	1	
AR752412	PRECAST REINFORCED CONC. FES 12"	EA.	1	
AR901510	SEEDING	ACRE	0.9	
AR908510	MULCHING	ACRE	0.9	

MT. VERNON AIRPORT

 MT. VERNON, ILLINOIS
 A.I.P. PROJ.: 3-17-0074-IB21
 IL PROJ.: MWV-4006

Hanson Project No.	09A0008D
Filename	R-002TYP.DWG
Scale	N/A
Date	04/19/2010
LAYOUT	JSL 04/19/10
DRAWN	CWS 04/19/10
REVIEWED	RAW 04/19/10

HANSON
 Hanson Professional Services Inc.
 3125 New Era Road
 Murphysboro, Illinois 62966
 Offices Nationwide

INDEX TO SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES, INDEX TO SHEETS AND PROPOSED TYPICAL SECTIONS
3	PROPOSED SAFETY PLAN
4	EXISTING CONDITIONS PLAN
5	PROPOSED GRADING PLAN
6	PROPOSED DRAINAGE PLAN
7	PROPOSED JOINTING PLAN
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10	PROPOSED CROSS SECTIONS
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13	PROPOSED CROSS SECTIONS
14	PROPOSED CROSS SECTIONS

CONSTRUCT COMMUNITY HANGAR SITE
 SUMMARY OF QUANTITIES, INDEX TO SHEETS AND PROPOSED TYPICAL SECTIONS

SCOPE OF WORK

BASE BID: INCLUDES CONSTRUCTION OF 9" P.C.C. RAMP & 4" BITUMINOUS PARKING LOT. ASSOCIATED WORK INCLUDES MARKING, DRAINAGE AND GRADING.

ADDITIVE ALTERNATE NO. 1: INCLUDES THE INSTALLATION OF 5" P.C.C. PARKING LOT IN LIEU OF BITUMINOUS.

HAUL ROUTE AND VEHICLE PARKING

THE CONTRACTOR WILL USE THE EXISTING DESIGNATED PAVED/TURF HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 150' 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 ALL TURF AREAS DISTURBED OUTSIDE OF THE CONSTRUCTION LIMITS, INCLUDING AREAS WITHIN THE HAUL ROUTE OR EQUIPMENT PARKING AREA, TO RESTORE THEM TO THEIR ORIGINAL STATE IN ACCORDANCE TO ITEMS 901 AND 908, RESPECTIVELY. EXISTING PAVEMENTS WITHIN THE LIMITS OF THE HAUL ROUTE AND EQUIPMENT PARKING AREA SHALL ALSO BE REPAIRED TO THEIR ORIGINAL STATE. THE COST OF ALL REPAIRS, MAINTENANCE, AND RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE ITEM AR150540 - HAUL ROUTE IN THE SPECIAL PROVISIONS FOR ADDITIONAL CLARIFICATION.

CONTRACTOR RESPONSIBILITIES

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THIS AREA. 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 WILL BE REQUIRED TO LIMIT THE USE OF CONSTRUCTION EQUIPMENT ON ANY EXISTING PAVEMENTS. ONLY THAT EQUIPMENT NEEDED TO COMPLETE THE SPECIFIC WORK ON EXISTING PAVEMENTS WILL BE ALLOWED. NO EXCESSIVE TRAFFIC ACROSS THESE PAVEMENTS WILL BE PERMITTED. ANY DAMAGE TO THE EXISTING PAVEMENTS WILL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.

THE CONTRACTOR SHALL KEEP BOTH RUNWAYS OPEN AT ALL TIMES.

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

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.

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"

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 THIS 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.

CRITICAL POINT DATA			
NO.	LATITUDE	LONGITUDE	ELEVATION
CP 1	38° 19' 13.94"	88° 51' 17.70"	±451'
CP 2	38° 19' 12.48"	88° 51' 16.57"	±450'

AIRPORT SECURITY NOTE

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE AND LOCK THE EXISTING GATE IN THE HAUL ROUTE AT THE END OF EACH WORKING DAY.

HEIGHT OF CONSTRUCTION EQUIPMENT

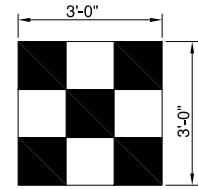
THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A SEMI-TRAILER TRUCK.

MATERIAL CERTIFICATION

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

EROSION CONTROL

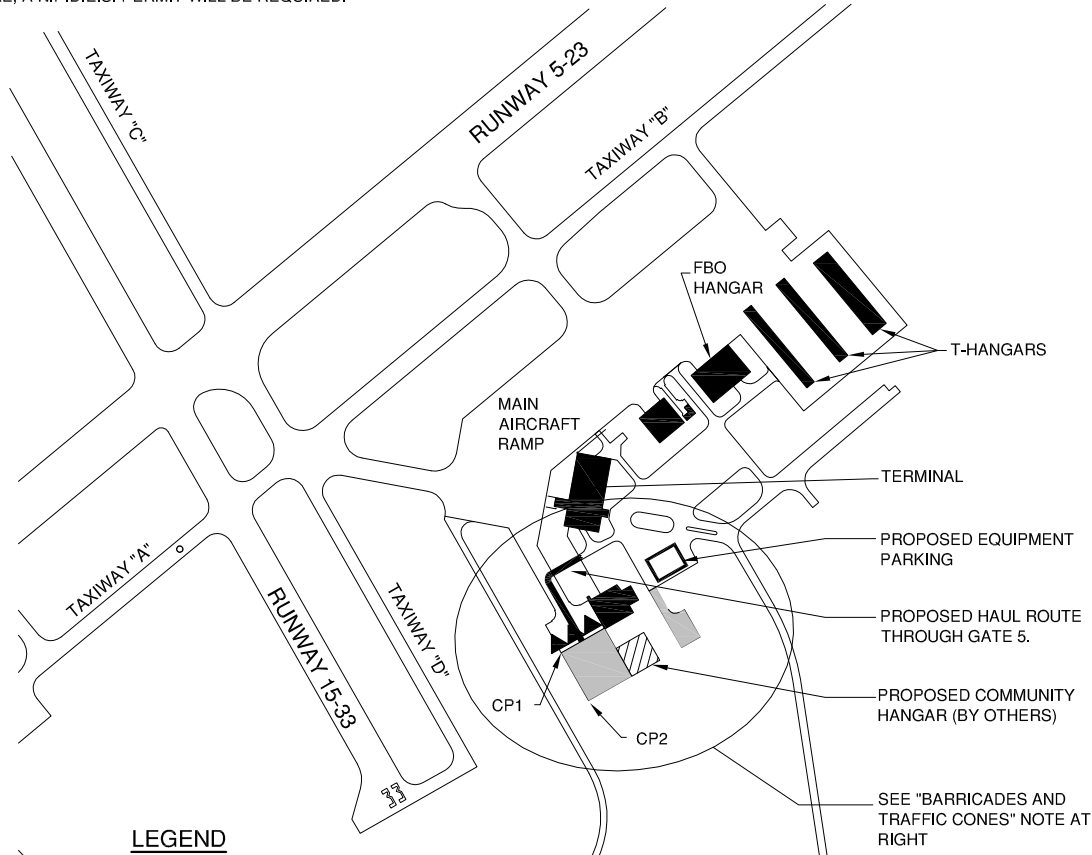
THIS PROJECT WILL DISTURB APPROXIMATELY 2 ACRES OF LAND, THEREFORE, A N.P.D.E.S. PERMIT WILL BE REQUIRED.



ORANGE AND WHITE

CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG

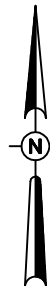
1
3
N.T.S.



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- PROPOSED BARRICADES OR TRAFFIC CONES

0' 150' 300' 600'
FULL SIZE SCALE: 1"= 300'
HALF SIZE SCALE: 1"= 600'



ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

J.U.L.I.E. INFORMATION

COUNTY: JEFFERSON
CITY: MT. VERNON
TOWNSHIP: MT. VERNON
SECTION NO.: 22, 23, 26 & 27
ADDRESS: MT. VERNON AIRPORT AUTHORITY
R.R. #4
MT. VERNON, ILLINOIS 62864

PROPOSED SAFETY PLAN

GENERAL - THERE WILL BE NO CLOSURES OF RUNWAYS OR TAXIWAYS FOR THIS PROJECT.

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 (123.00 MHZ.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE MT. VERNON 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.

BARRICADES AND TRAFFIC CONES

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT DIRECTOR. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR STEADY BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE PAID FOR UNDER ITEM AR150540 - HAUL ROUT, PER L.S., AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. BARRICADES ARE DEPICTED FOR EACH POINT OF ANTICIPATED CLOSURE DUE TO THE ANTICIPATED CONSTRUCTION STAGING. THE NUMBER OF BARRICADES REQUIRED WILL VARY BY THE LOCATION OF THE WORK AND THE DEPICTION IS NOT INTENDED TO SUGGEST BARRICADES WILL BE LOCATED AT THE POINTS SHOWN THROUGHOUT THE PROJECT.

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 SHALL 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.

CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:

- A. THE CONTRACTOR'S ACCESS TO THE WORK SHALL BE THROUGH GATE 5 LOCATED AT THE SOUTH WEST END OF THE TERMINAL BUILDING.
- B. THE CONTRACTOR SHALL ENSURE THAT HIS PERSONNEL OBEY ALL AIRPORT AND FAA VEHICULAR SAFETY REQUIREMENTS WHILE ON THE PREMISES OF THE AIRPORT. THE CONTRACTOR SHALL BE REQUIRED TO RECEIVE FAR PART 139 TRAINING FROM THE AIRPORT FOR ALL PERSONNEL WHO DRIVE ON THE FIELD. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
- C. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- D. THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN DESIGNATED AREAS AND IN SUCH A WAY AS NOT TO VIOLATE AIRPORT PART 77 SURFACES, OR RUNWAY AND TAXIWAY SAFETY.
- E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ACTIVE AIRFIELD PAVEMENTS WHICH ARE CROSSED BY HIS VEHICLES ACCESSING THE WORK OR DEPARTING THE WORK IMMEDIATELY FOLLOWING SAID VEHICLE, TO THE SATISFACTION OF THE AIRPORT MANAGER.

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE 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 OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

MV057

DATE	REVISION	BY

MT. VERNON AIRPORT

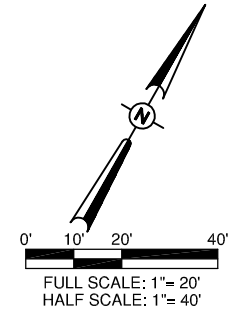
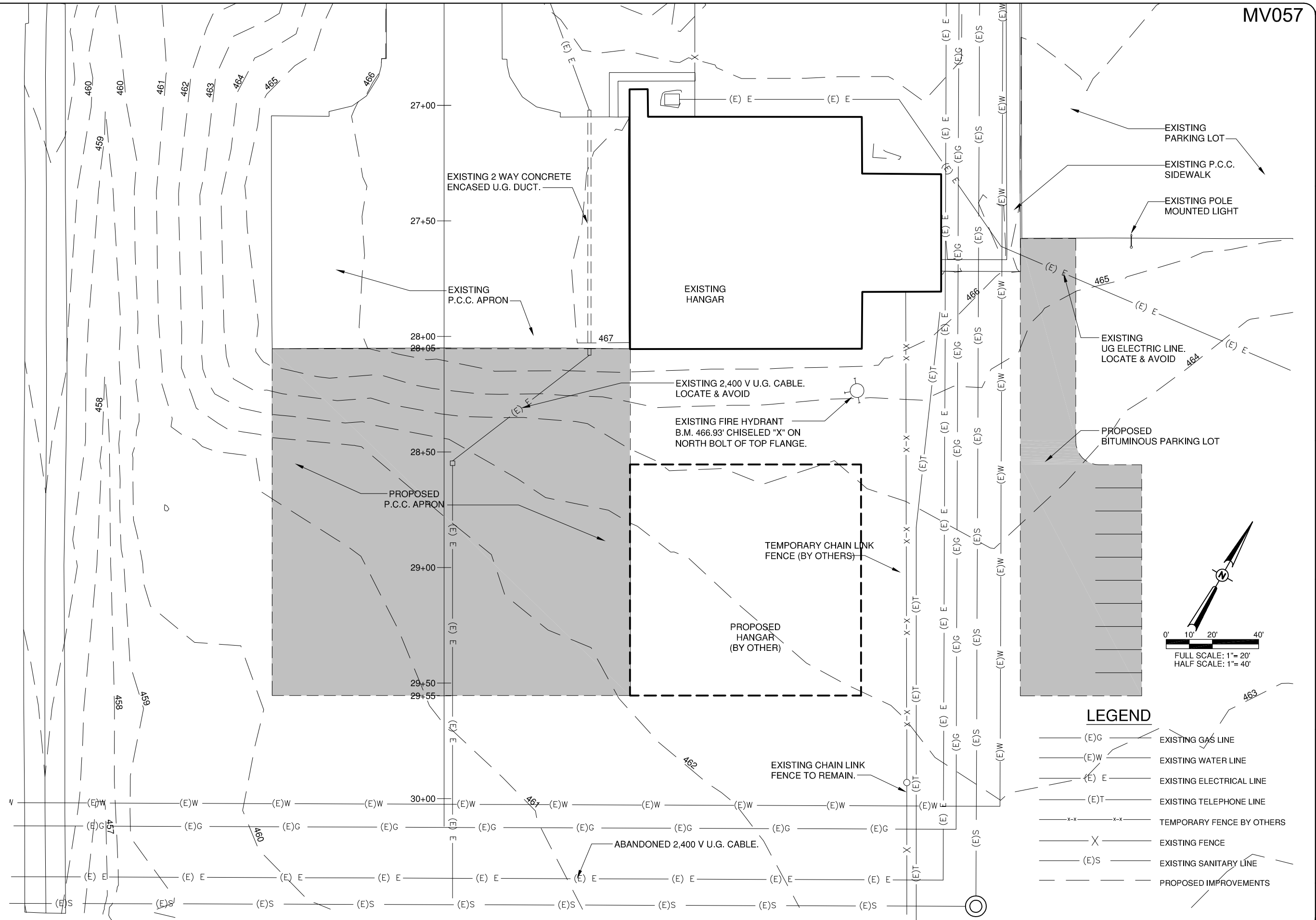
 A.I.P. PROJ.: 3-17-0074-B21
 ILL. PROJ.: MVN-4006

Hanson Project No. 09A0008D	04/19/10
Filename R-0035FY.DWG	JSL
Scale 1" = 300'	CWS
Date 04/19/2010	RAW
LAYOUT	04/19/10
DRAWN	04/19/10
REVIEWED	04/19/10

HANSON
 Hanson Professional Services Inc.
 3123 New River Rd.
 Murfreesboro, TN 37132
 Offices Nationwide

CONSTRUCT COMMUNITY HANGAR SITE
 PROPOSED SAFETY PLAN

MAY 04, 2010 1:11 PM SCHUB01.446 C:\AIRPORTS\MTVERNON\09A0008\AIRPORT\0035FY\DRG - SAFETY PLAN



REVISION	DATE	BY

MT. VERNON AIRPORT

MT. VERNON, ILLINOIS

IL PROJ.: MWV-4006 A.I.P. PROJ.: 3-17-0074-B21

Hanson Project No.	RAW	04/19/2010
09A0008D	RAW	04/19/2010
Filename	CWS	04/19/2010
R-004EXST.DWG	CWS	04/19/2010
Scale	RAW	04/19/2010
NOT TO SCALE	RAW	04/19/2010
Date	REVIEWED	RAW
04/19/2010	REVIEWED	RAW

HANSON

Hanson Professional Services Inc.
 323 New River Rd.
 Murfreesboro, TN 37132
 Offices Nationwide

CONSTRUCT COMMUNITY HANGAR SITE

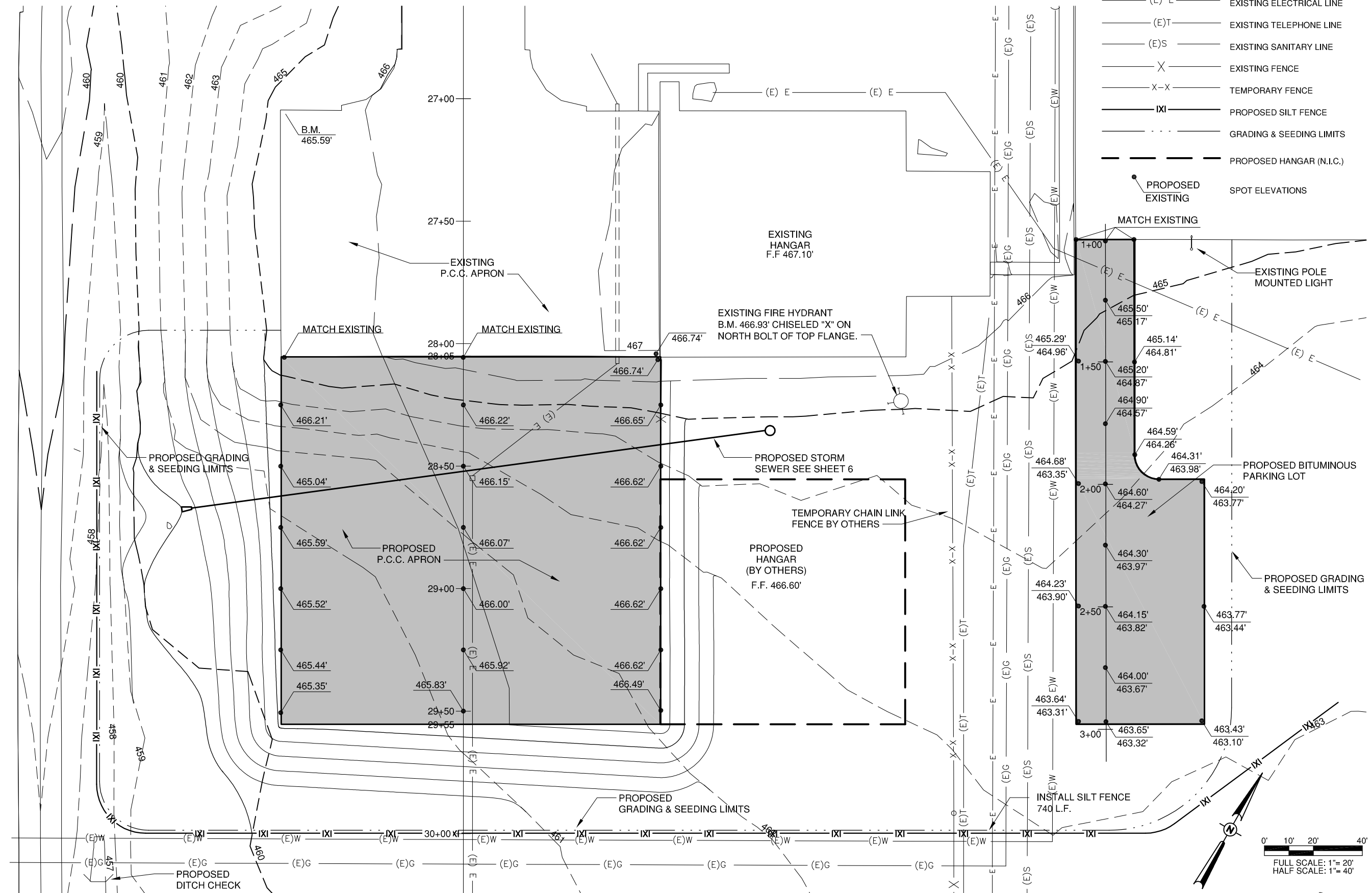
EXISTING CONDITIONS PLAN

MAY 04, 2010 1:22 PM SCHUB01446
C:\AIRPORTS\MTVERNON\09A0008\AIRPORT\SHEETS\R-005GRD.DWG - 05

LEGEND

MV057

- (E)G ——— EXISTING GAS LINE
- (E)W ——— EXISTING WATER LINE
- (E)E ——— EXISTING ELECTRICAL LINE
- (E)T ——— EXISTING TELEPHONE LINE
- (E)S ——— EXISTING SANITARY LINE
- X ——— EXISTING FENCE
- X-X ——— TEMPORARY FENCE
- IXI— PROPOSED SILT FENCE
- GRADING & SEEDING LIMITS
- PROPOSED HANGAR (N.I.C.)
- PROPOSED EXISTING SPOT ELEVATIONS



DATE	REVISION	BY

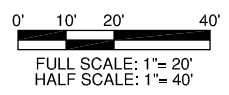
MT. VERNON AIRPORT

 MT. VERNON, ILLINOIS
 I.L. PROJ.: MWN-4006 A.I.P. PROJ.: 3-17-0074-B21

Hanson Project No.	09A0008D
Filename	R-005GRD.DWG
Scale	1" = 20'
Date	04/19/2010
LAYOUT	JSL 04/19/2010
DRAWN	CWS 04/19/2010
REVIEWED	RAW 04/19/2010

HANSON
 Hanson Professional Services Inc.
 3125 New North
 Normal, IL 62266
 Offices Nationwide

CONSTRUCT COMMUNITY HANGAR SITE
 PROPOSED GRADING PLAN



REVISION	DATE	BY

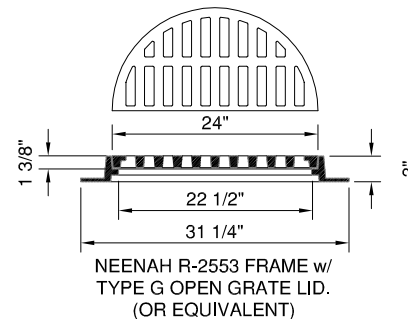
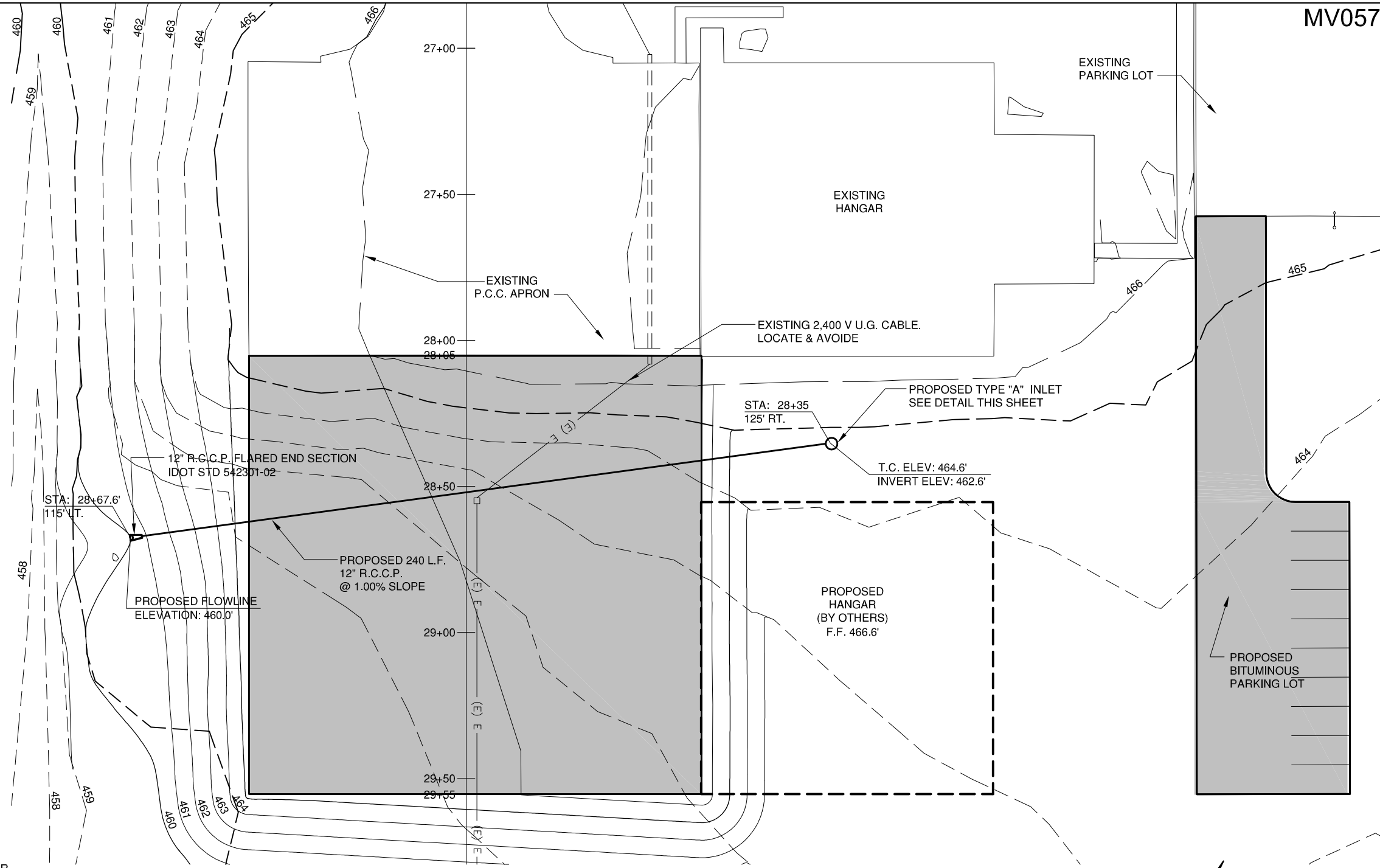
MT. VERNON AIRPORT

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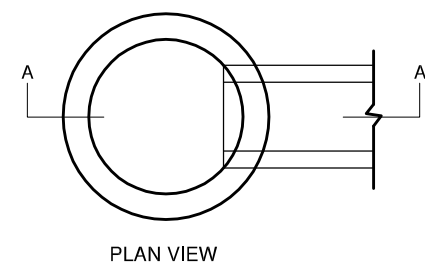
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Scale	1" = 20'
Date	04/19/2010
LAYOUT	JSL 04/19/2010
DRAWN	CWS 04/19/2010
REVIEWED	RAW 04/19/2010


 Hanson Professional Services Inc.
 1000 North Main Street
 Mount Vernon, Illinois 62450
 Offices Nationwide

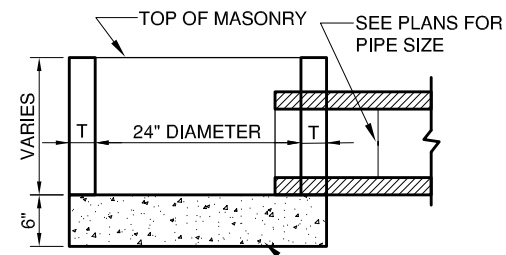
CONSTRUCT COMMUNITY HANGAR SITE
 PROPOSED DRAINAGE PLAN



1
 6
FRAME AND GRATE
 NOT TO SCALE

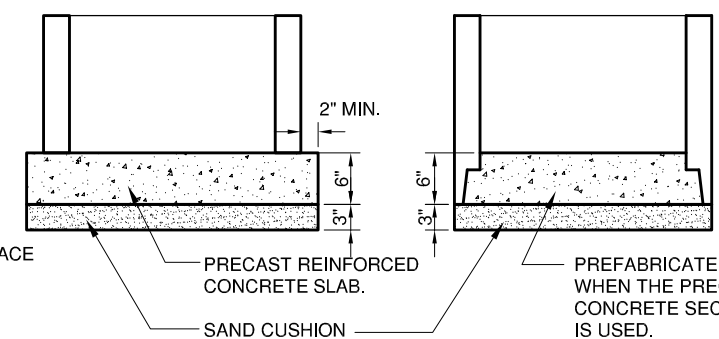


PLAN VIEW



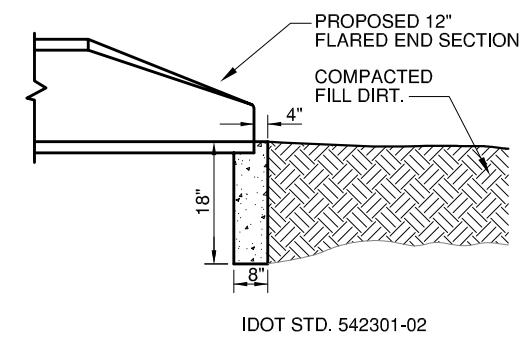
SECTION A-A
 PRECAST OR CAST-IN-PLACE CONCRETE

IDOT STD. 6002301-02



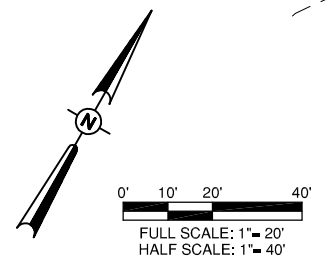
ALTERNATE MATERIALS FOR WALLS	T
CAST-IN-PLACE CONCRETE	6"
PRECAST REINFORCED CONCRETE SECTION	3"

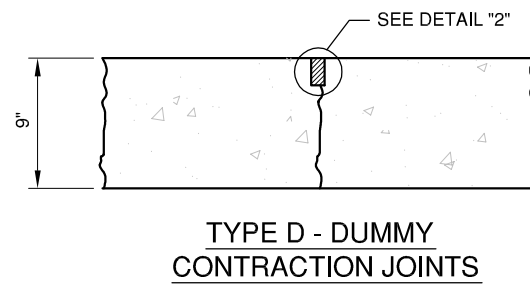
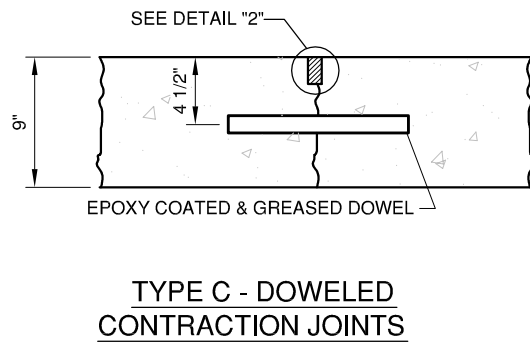
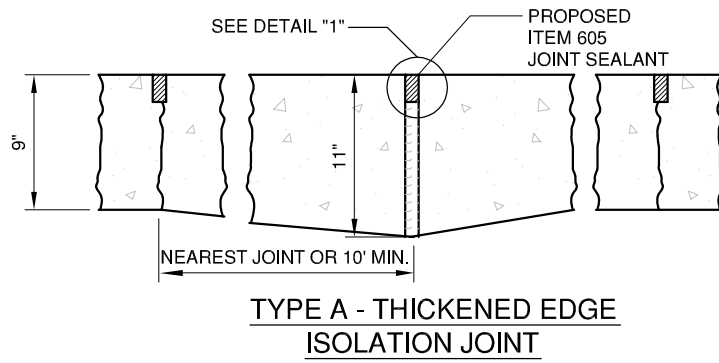
2
 6
TYPE "A" INLET
 NOT TO SCALE



IDOT STD. 542301-02

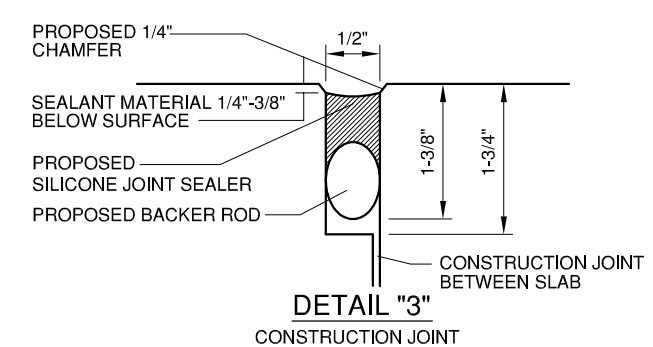
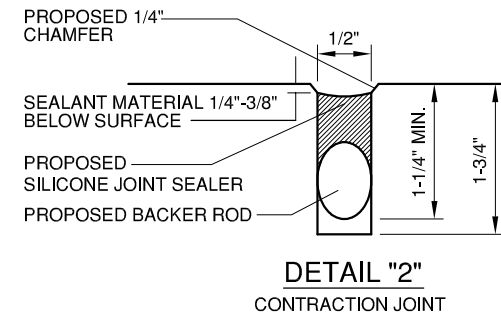
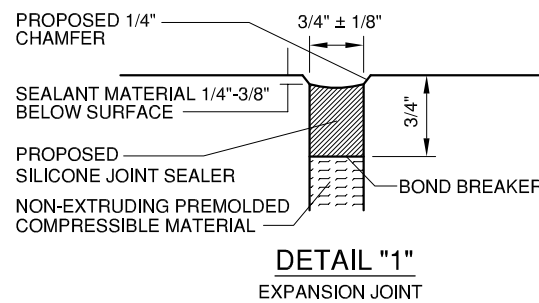
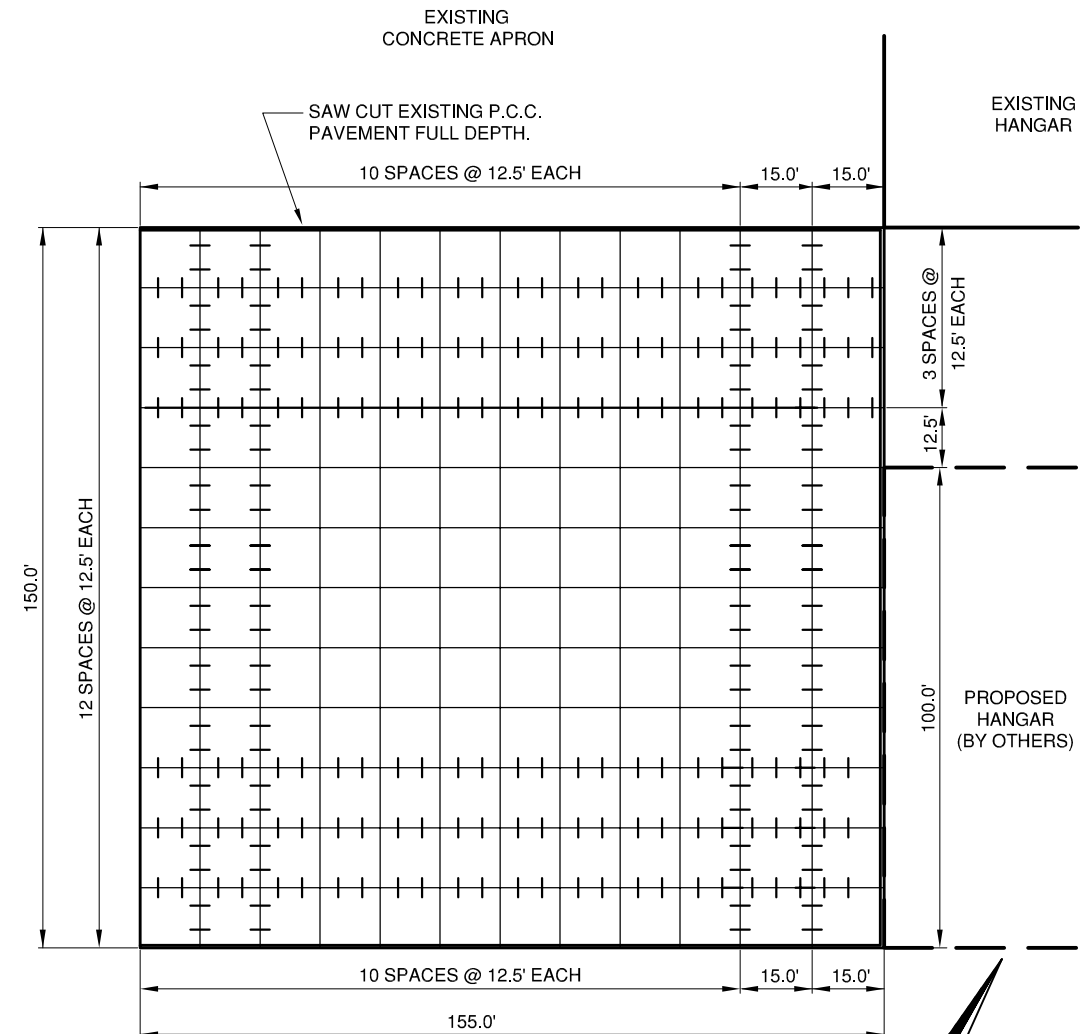
3
 6
FLARED END SECTION
 NOT TO SCALE





PCC JOINTING NOTES:

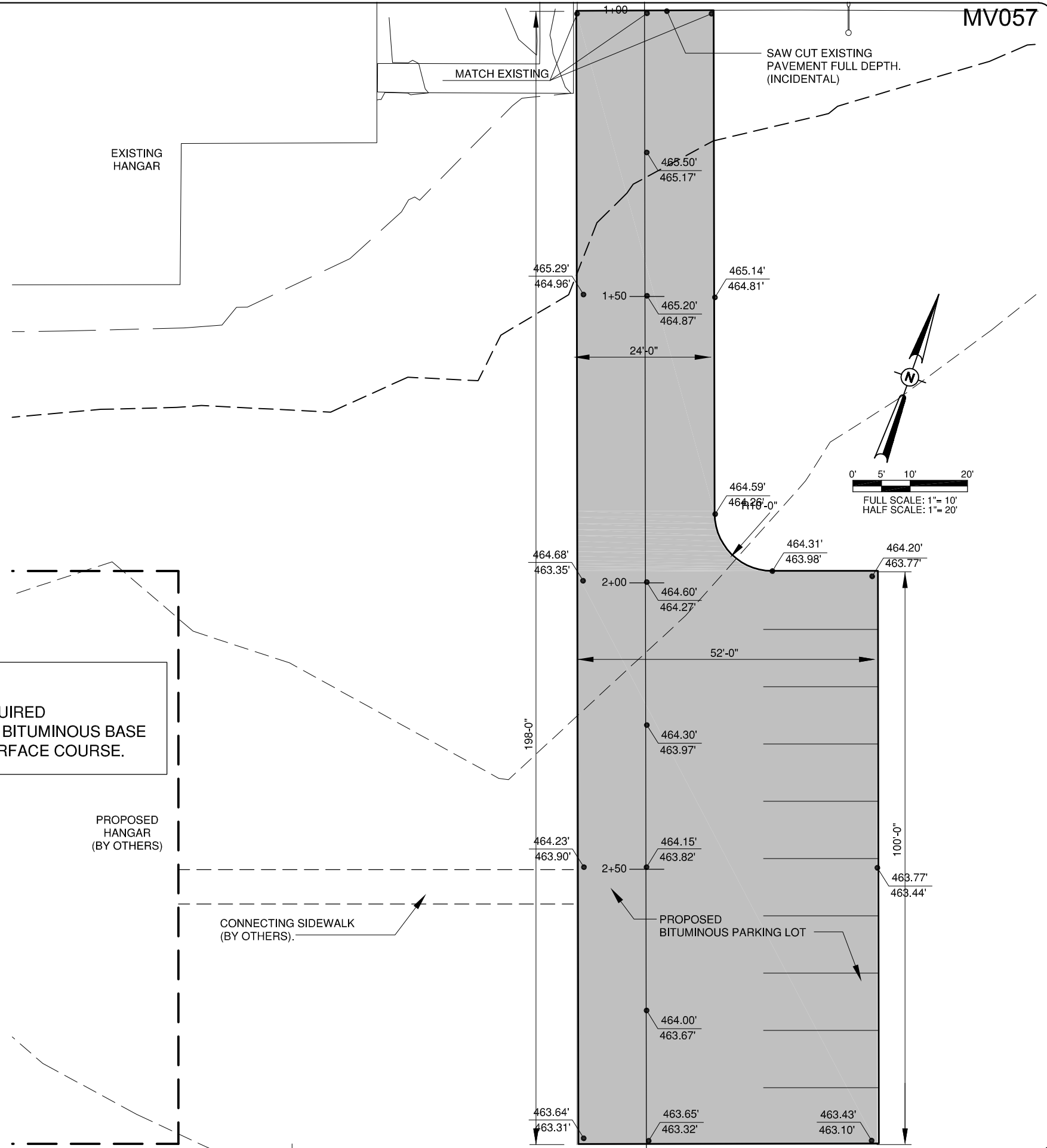
1. ALL EXPOSED JOINT EDGES SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/4" OR STONED TO PRODUCE THE 1/8" CHAMFER.
2. ALL LONGITUDINAL AND TRANSVERSE CONTRACTION JOINTS SHALL BE SAWED.
3. ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL INSURE THAT THEY WILL REMAIN PARALLEL TO THE SURFACE OF THE PAVEMENT AND TO THE CENTERLINES OF THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. DOWELS SHALL BE 1" DIA, 19" IN LENGTH AND 12" SPACING.
4. DOWELS SHALL BE EPOXY COATED AND HALF THE LENGTH GREASED WITH A HEAVY GREASE.
5. ALLOWABLE TOLERANCES FOR GROOVE DEPTH WILL BE ±1/8" FOR CONSTRUCTION JOINTS AND ±1/4" FOR CONTRACTION JOINTS.
6. THE COST OF ALL DOWEL BARS, TIE-BARS, WW FABRIC, SAWING AND SEALING SHALL BE INCLUDED IN THE COST OF THE P.C.C. PAVEMENT.
7. PRIOR TO PLACING ADJACENT PAVEMENT SECTIONS, THE VERTICAL EDGE SHALL BE SAWED TO PRODUCE A SMOOTH AND STRAIGHT EDGE.
8. WHEN CONSTRUCTING "FILL-IN" PAVEMENT LANES USING A SELF PROPELLED PAVER, THE CONTRACTOR SHALL USE BELTING OR OTHER PROTECTIVE MATERIAL FOR THE PAVING MACHINE TO TRAVEL ON AND SHALL ROPE THE ADJACENT TRANSVERSE JOINTS TO PREVENT DEBRIS INTRUSION IN THE JOINTS.
9. JOINT SEALANT SHALL BE SILICONE JOINT SEALER AS SPECIFIED IN THE STANDARD SPECIFICATIONS ITEM 605.
10. CURING COMPOUND WILL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS, ITEM 501-2.9 AND SHALL BE APPROVED PRIOR TO THE PAVING OPERATION BY THE ENGINEER.
11. ALL NON-ALIGNED EDGES WILL BE SAWED FULL DEPTH.



NOTES:

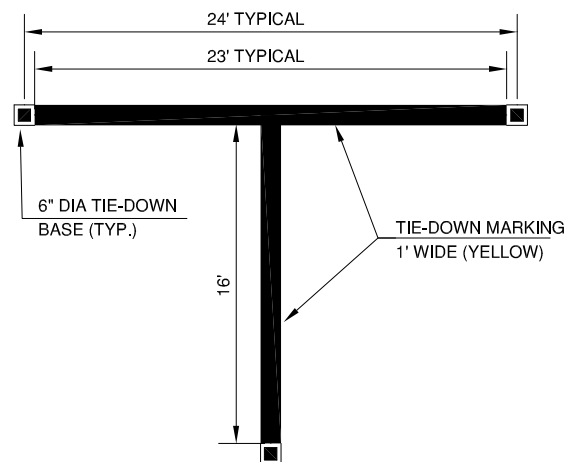
1. BACKER ROD MATERIAL MUST BE COMPATIBLE WITH THE TYPE OF LIQUID SEALANT USED AND SIZED TO PROVIDE THE DESIRED SHAPE FACTOR.

BY	
REVISION	
DATE	
<p>MT. VERNON AIRPORT A.I.P. PROJ.: 3-17-0074-B21 IL PROJ.: MW-4006</p>	
Hanson Project No.	09A0008D
Filename	R-007JNT.DWG
Scale	1" = 20'
Date	04/19/2010
LAYOUT	JSL 04/19/2010
DRAWN	CWS 04/19/2010
REVIEWED	RAW 04/19/2010
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CONSTRUCT COMMUNITY HANGAR SITE	PROPOSED JOINTING PLAN
7	
7 of 14 sheets	

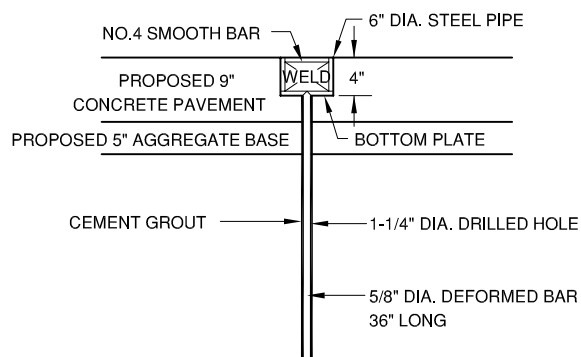


GENERAL NOTE:
 AL STRINGLINE WILL NOT BE REQUIRED FOR THE CONSTRUCTION OF THE BITUMINOUS BASE COURSE OR THE BITUMINOUS SURFACE COURSE.

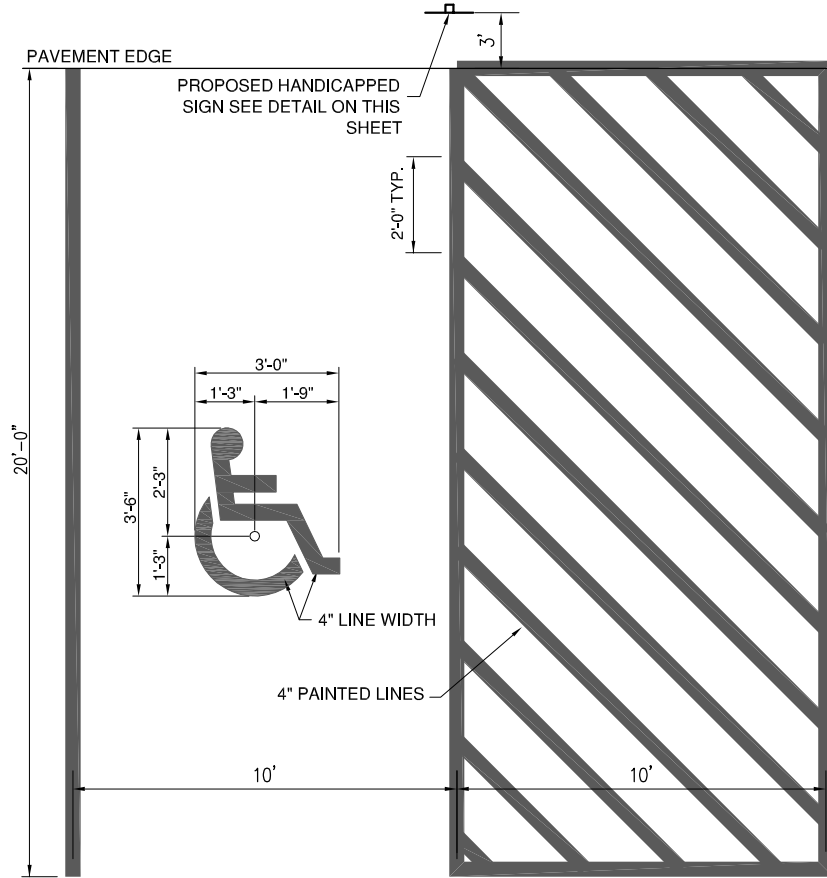
BY		
REVISION		
DATE		
 MT. VERNON, ILLINOIS		
IL. PROJ.: MWV-4006		A.I.P. PROJ.: 3-17-0074-B21
Hanson Project No.	09A0008D	
Filename	R-008PVA.DWG	
Scale	1" = 10'	
Date	04/19/2010	
LAYOUT	RAW	04/19/2010
DRAWN	CWS	04/19/2010
REVIEWED	RAW	04/19/2010
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CONSTRUCT COMMUNITY HANGAR SITE		PROPOSED PARKING LOT PLAN
8		8 of 14 sheets



DETAIL "A"
"NOT TO SCALE"

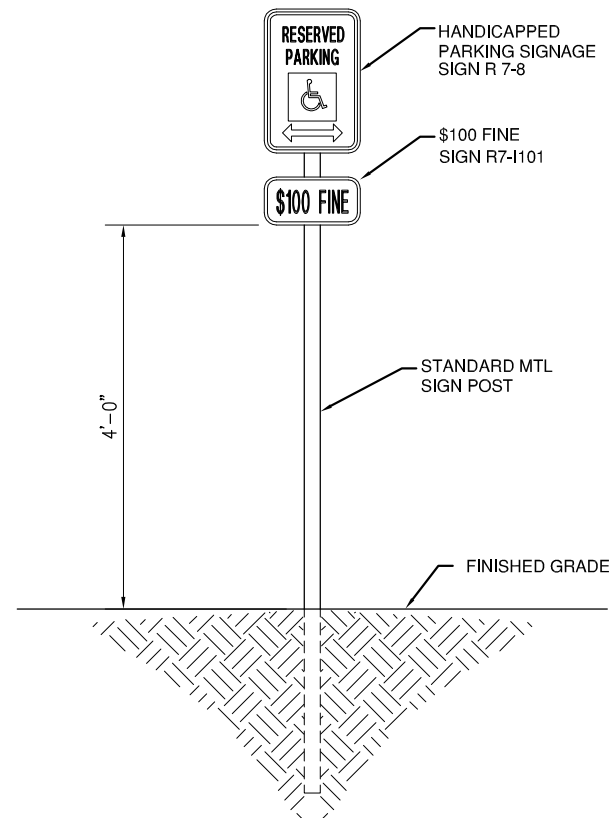


TIE-DOWN DETAIL "C"
"NOT TO SCALE"



TYPICAL HANDICAP PARKING SPACE PAINT STRIPING

"NOT TO SCALE"
NOTE: CENTER SYMBOL IN STALL.



HANDICAPPED SIGNAGE

"NOT TO SCALE"

NOTE:
PROPOSED HANDICAPPED PARKING SIGN SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE HANDICAPPED PARKING SIGNS SHALL CONFORM TO THE UPRIGHT R7-8 ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION. A "\$100 FINE" SIGN (ILLINOIS STANDARD R7-1101) SHALL BE MOUNTED DIRECTLY BELOW THE HANDICAPPED PARKING SIGN. THE SIGNS SHALL BE A DISTANCE OF 4' ABOVE THE FINISHED GRADE TO THE BOTTOM OF THE SIGN. THE SIGNS SHALL BE PLACES AS INDICATED ON THE DRAWINGS.

LEGEND

- PROPOSED TIE-DOWN
- EXISTING TIE-DOWN
- EXISTING GROUND ROD
- PROPOSED MARKING
- PROPOSED COMMUNITY HANGAR (BY OTHERS)
- EXISTING PAVEMENT
- PROPOSED PAVEMENT

TIE-DOWN NOTES

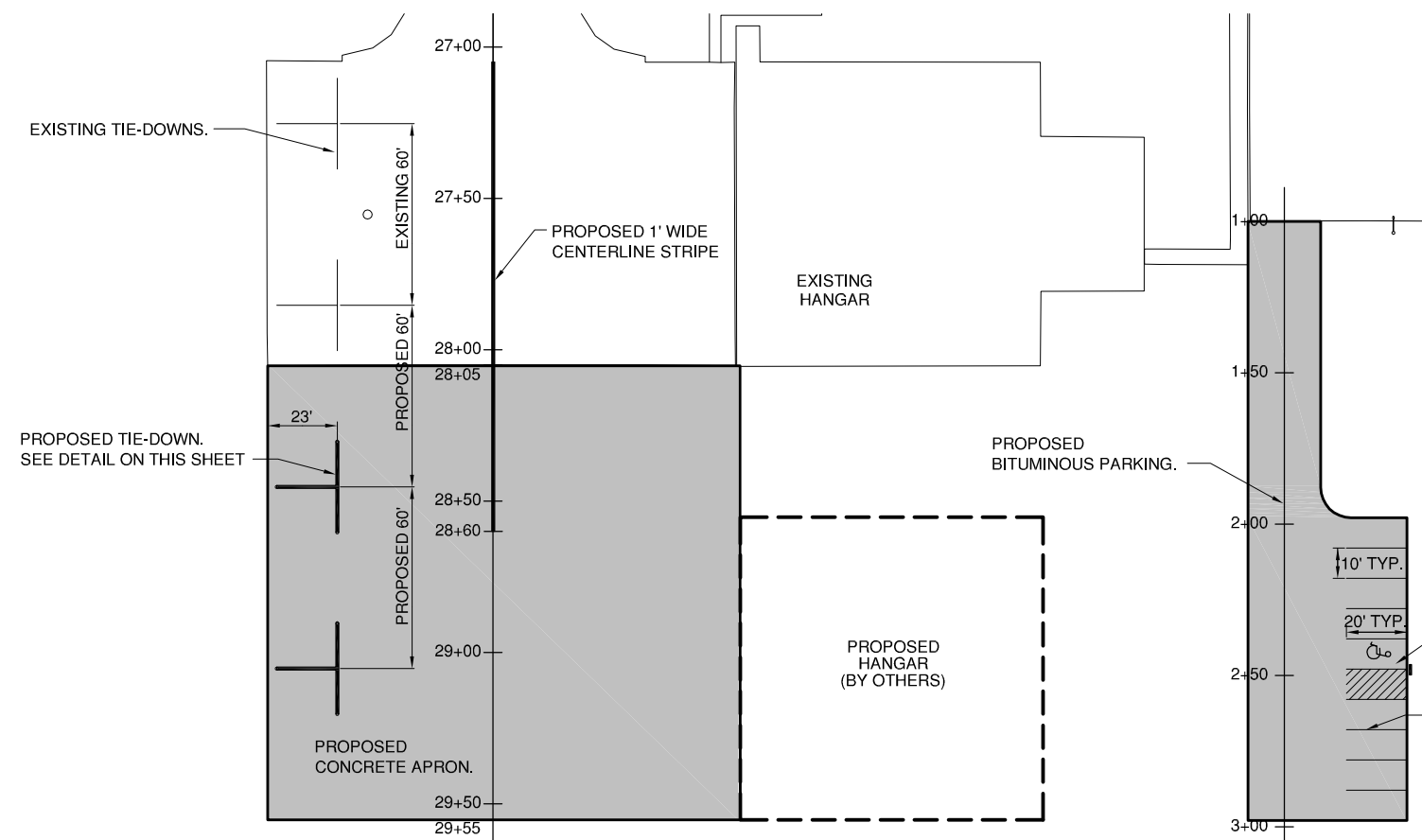
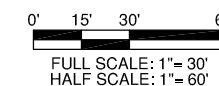
- NEW TIE-DOWNS WILL BE INSTALLED IN ACCORDANCE WITH DETAIL "A" AT THE LOCATIONS SHOWN ON THIS SHEET.
- THE PROPOSED TIE-DOWN LOCATION SHALL BE CORED TO ACCEPT THE PIPE SLEEVE.
- THE PROPOSED TIE-DOWN MARKING WILL BE IN ACCORDANCE WITH DETAIL "A" ON THIS SHEET AND THE STANDARD SPECIFICATIONS.
- THE TIE-DOWNS WILL BE PAID FOR UNDER ITEM: AR510510 "TIE-DOWN" PER EACH.
- QUANTITY OF TIE-DOWN _____ 6 EACH.

MARKING NOTES

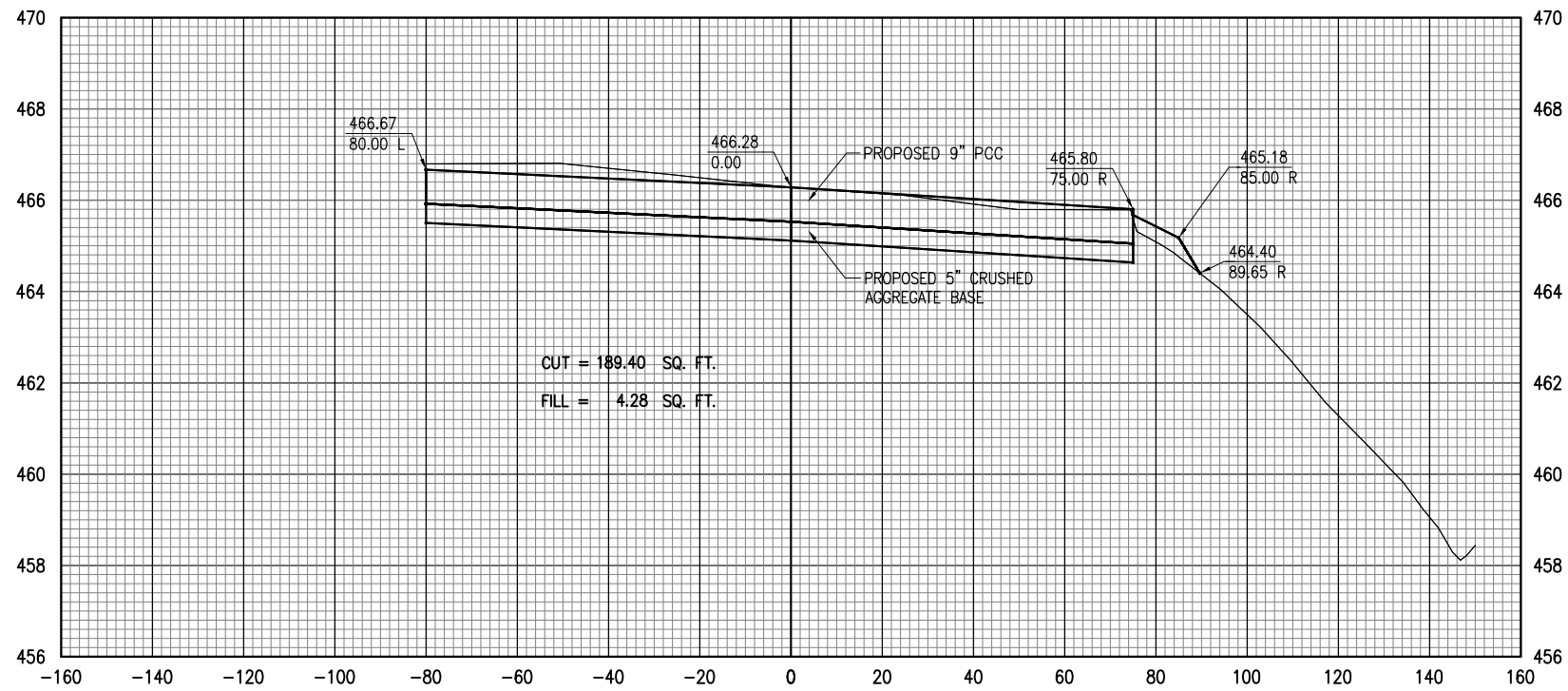
- ALL MARKING SHALL BE YELLOW IN COLOR.
- ALL MARKING WILL HAVE A REFLECTIVE MEDIA. APPLICATION RATES WILL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- "CUT-OFF" SHEETS SHALL BE USED TO INSURE STRAIGHT EDGES.
- BEFORE ANY MARKING IS APPLIED, ALL CURING COMPOUND WILL BE REMOVED BY SAND OR SHOT BLASTING
- THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM: AR620520 "PAVEMENT MARKING" WATERBORNE PER SQUARE FOOT.

QUANTITY OF MARKING ON THIS SHEET.
 TAXIWAY CENTER LINE _____ 155 SQ.FT.
 TIE-DOWNS _____ 78 SQ. FT.
 ACCESSIBLE PARKING _____ 16 SQ. FT.
 PARKING STRIPES _____ 60 SQ.FT.

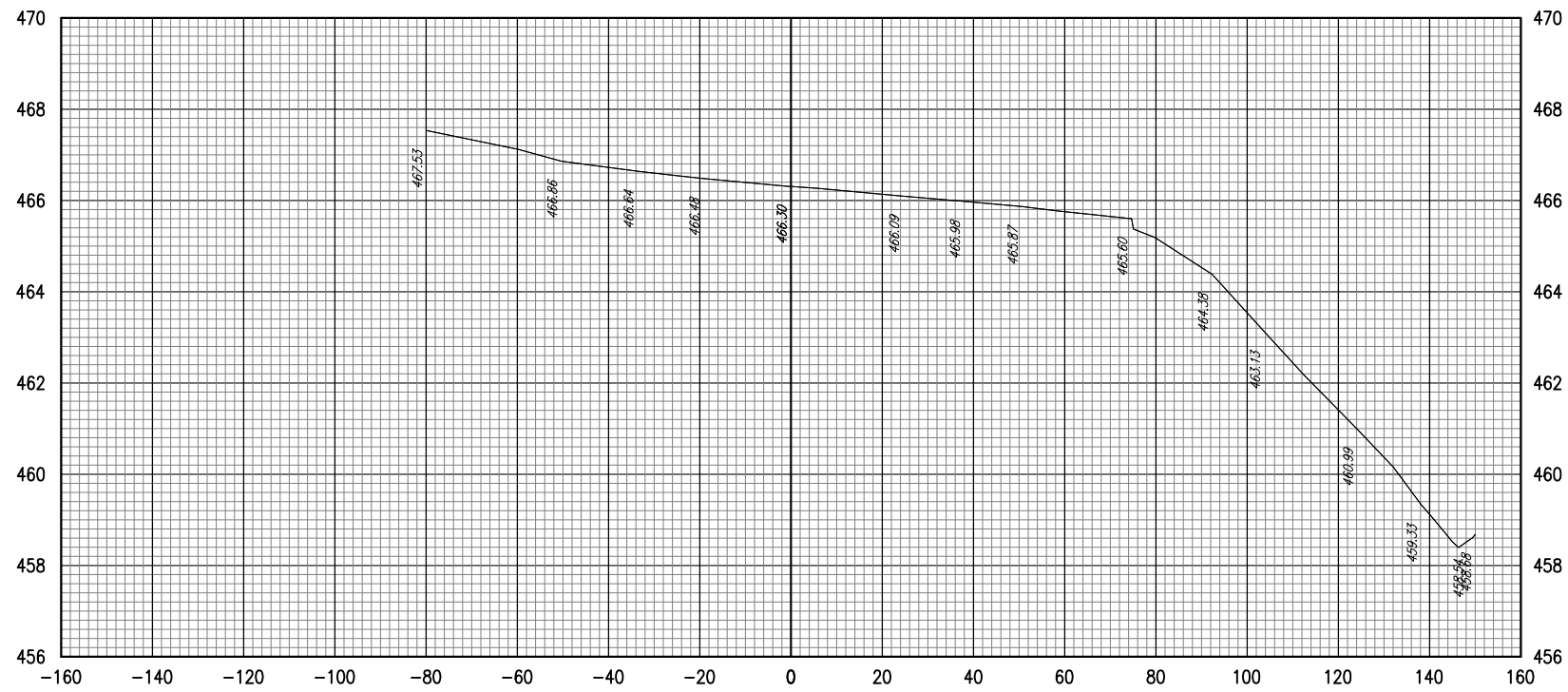
TOTAL 309 SQ. FT.



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A.I.P. PROJ.: 3-17-0074-B21 I.L. PROJ.: MWN-4006	
Hanson Project No.	09A0008D
Filename	R-009MRK.DWG
Scale	1"=30'
Date	04/19/2010
LAYOUT	JSL 04/19/2010
DRAWN	CWS 04/19/2010
REVIEWED	RAW 04/19/2010
Hanson Professional Services Inc. 3123 New River Road Murfreesboro, TN 37132-2866 Offices Nationwide	
CONSTRUCT COMMUNITY HANGAR SITE	PROPOSED MARKING & TIE-DOWN
<h1>9</h1>	
9 of 14 sheets	



28+05



27+75

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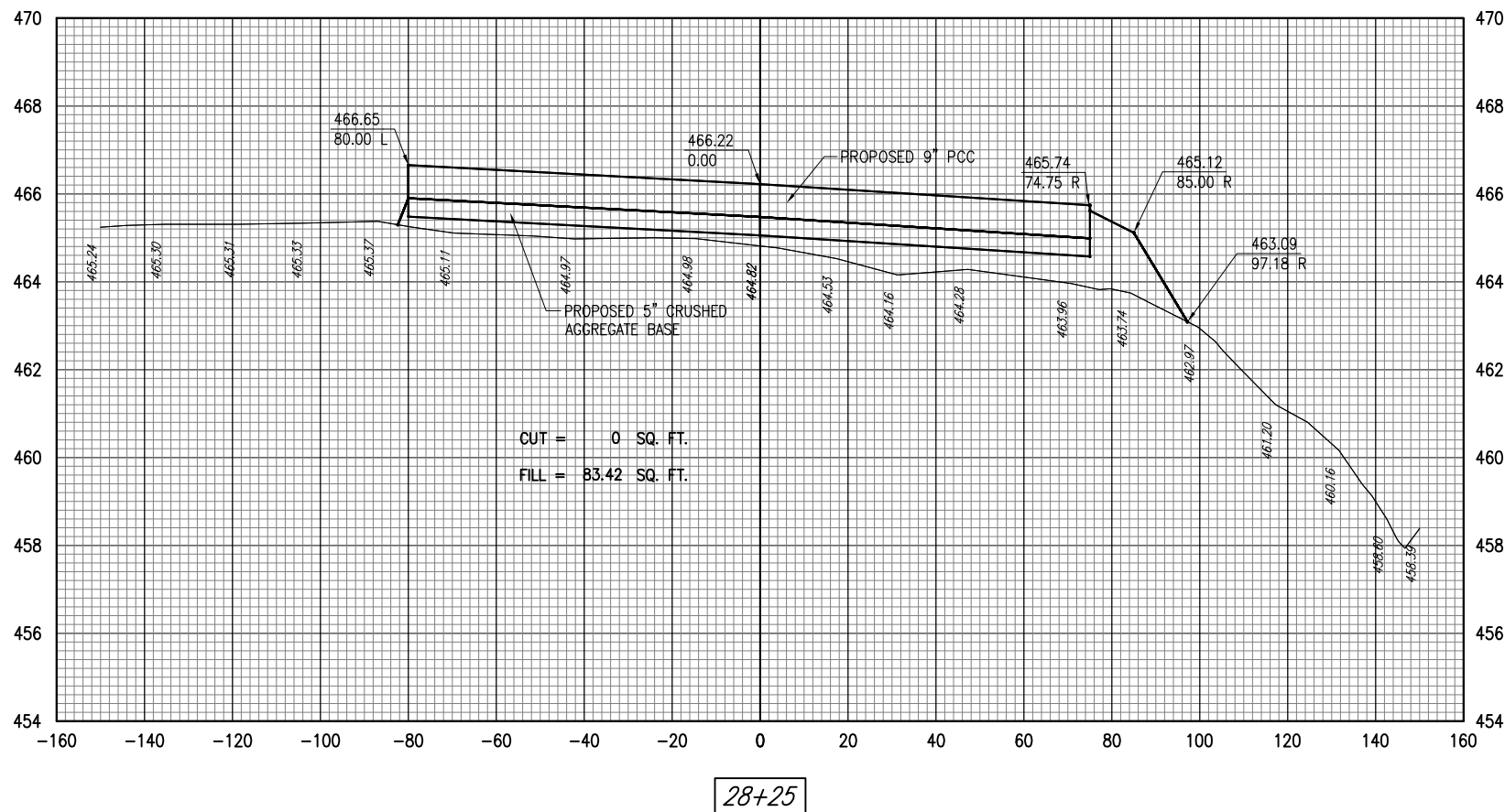
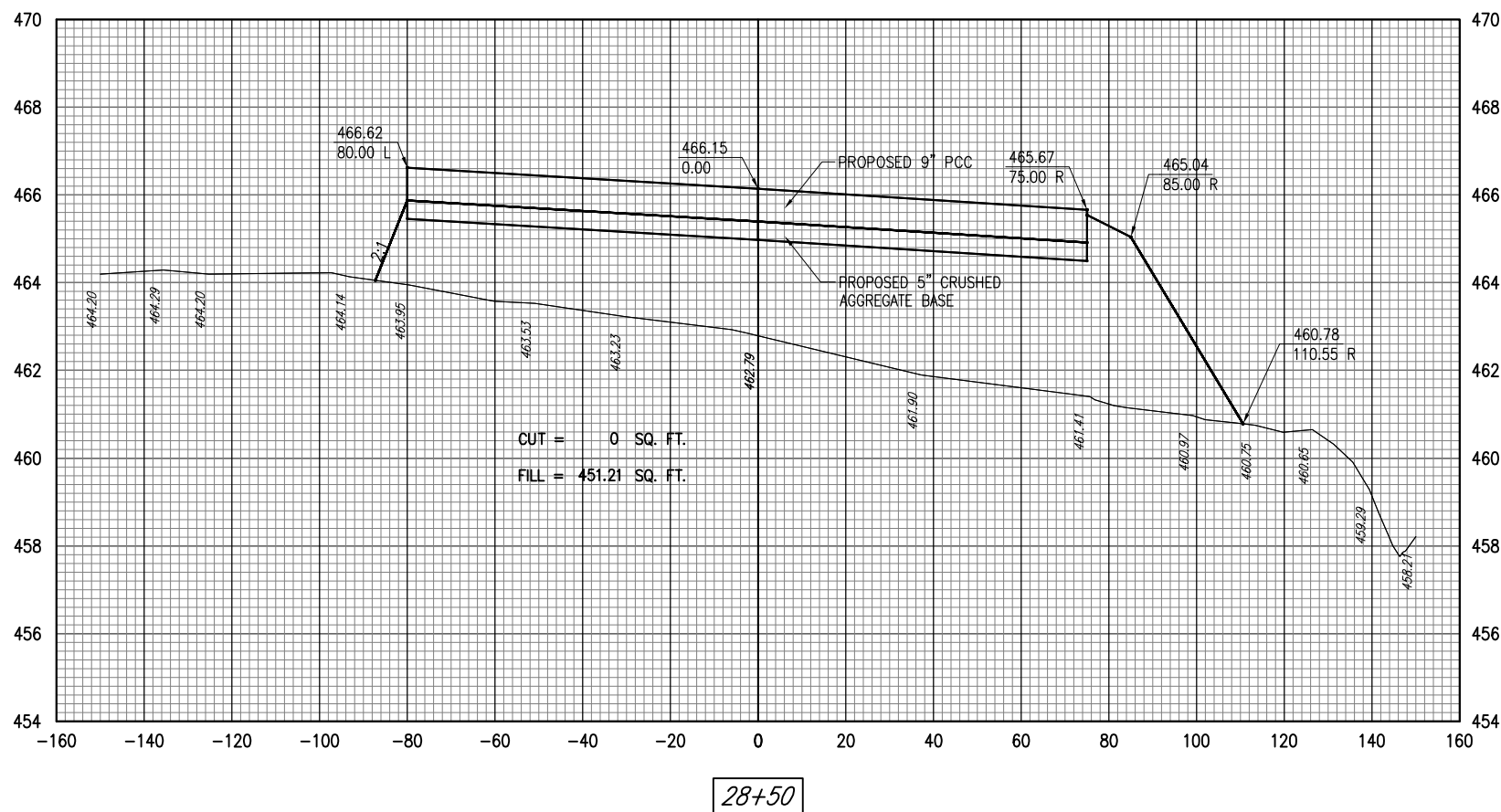
IL PROJ.: MWV-4006 A.I.P. PROJ.: 3-17-0074-B21

Hanson Project No.	09A0008D
Filename	R-012XSEC.DWG
Scale	1" = 20'
Date	04/19/2010
LAYOUT	JSL 04/19/2010
DRAWN	CWS 04/19/2010
REVIEWED	RAW 04/19/2010

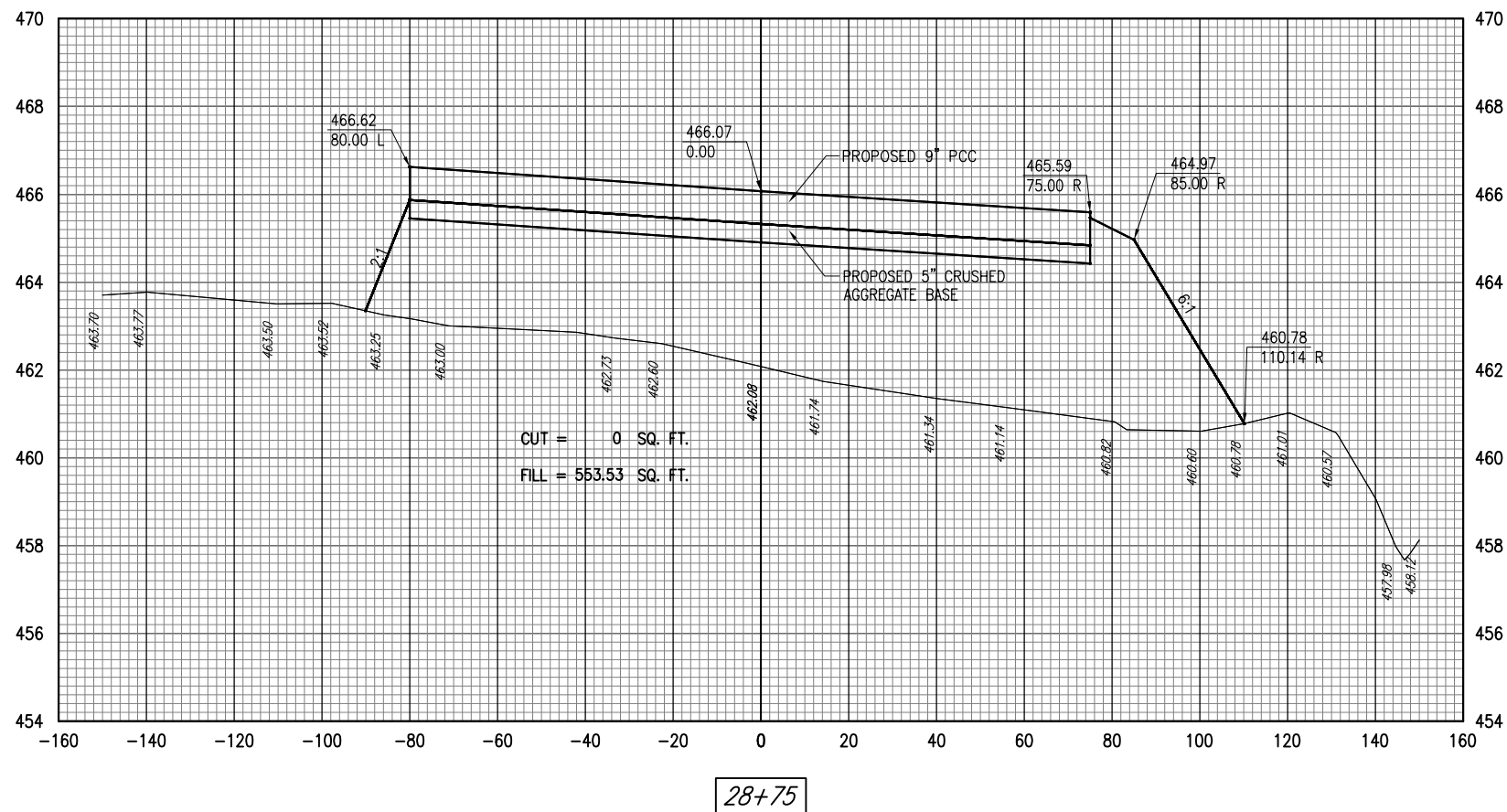
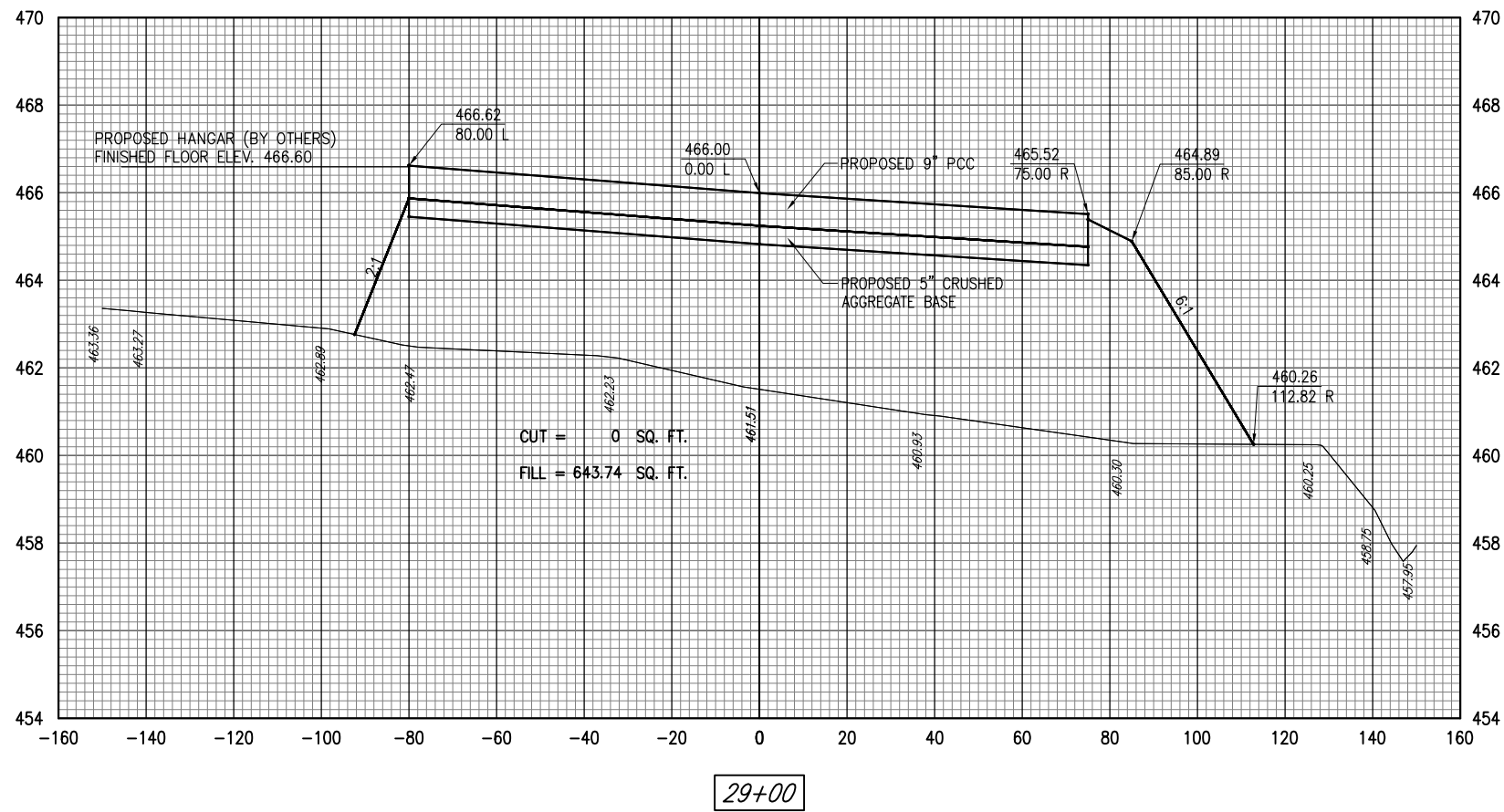
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CONSTRUCT COMMUNITY HANGAR SITE

PROPOSED CROSS SECTIONS



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IL PROJ.: MWV-4006		A.I.P. PROJ.: 3-17-0074-B21
Hanson Project No.	09A0008D	
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REVIEWED	RAW	04/19/2010
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CONSTRUCT COMMUNITY HANGAR SITE		PROPOSED CROSS SECTIONS
11		11 of 14 sheets



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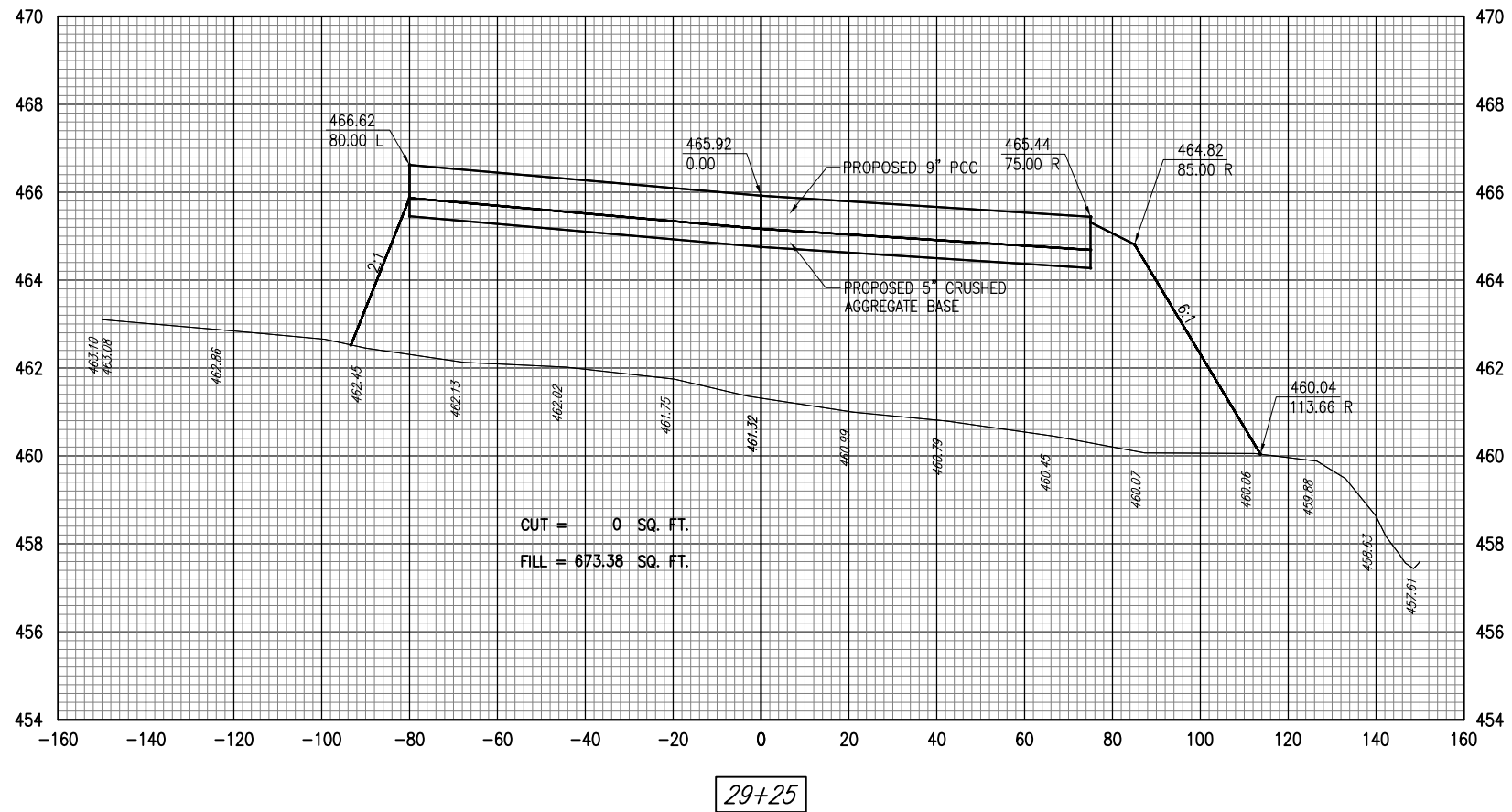
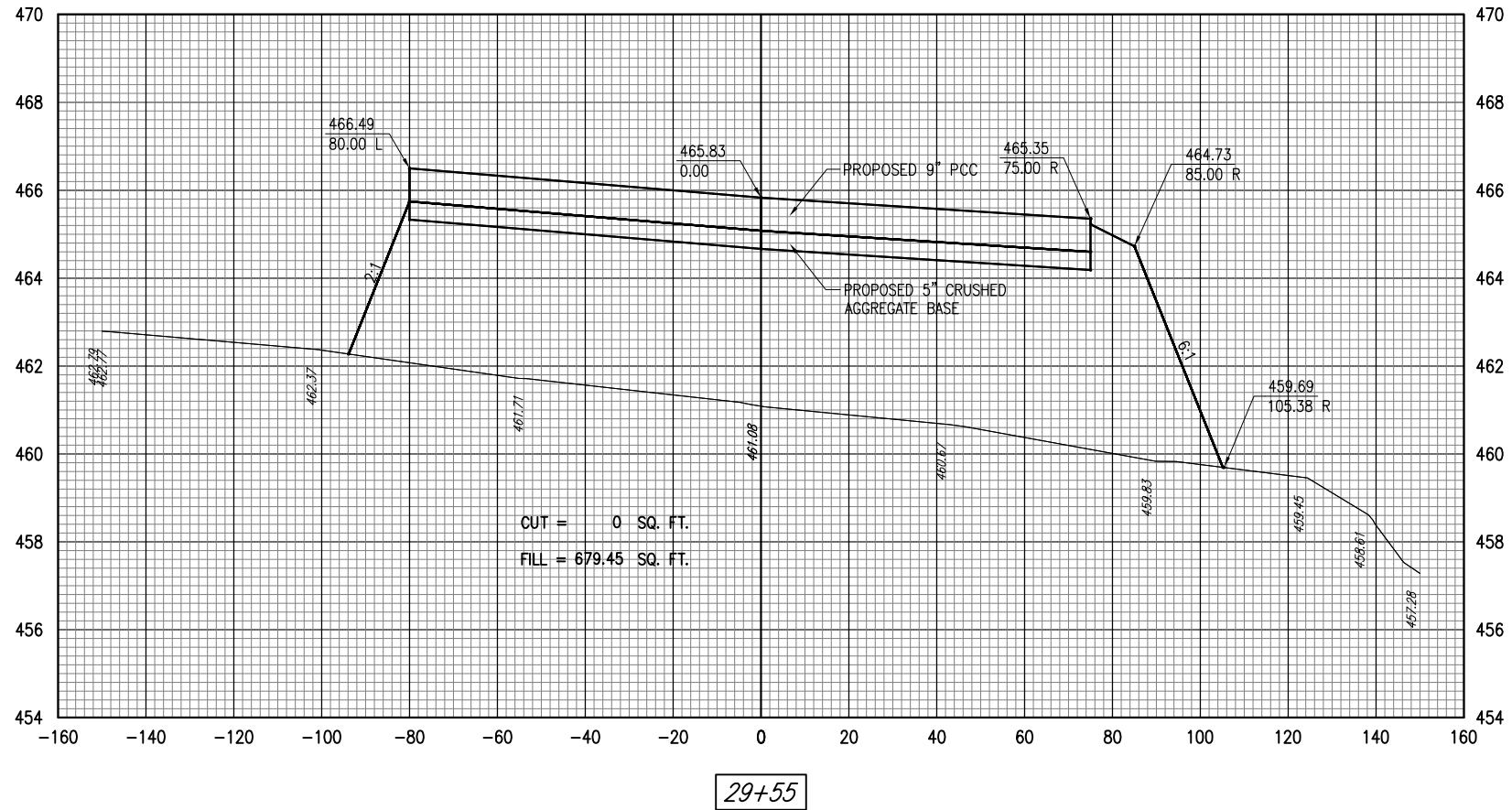
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Hanson Project No.	09A0008D
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CONSTRUCT COMMUNITY
 HANGAR SITE

PROPOSED
 CROSS SECTIONS



DATE	REVISION	BY

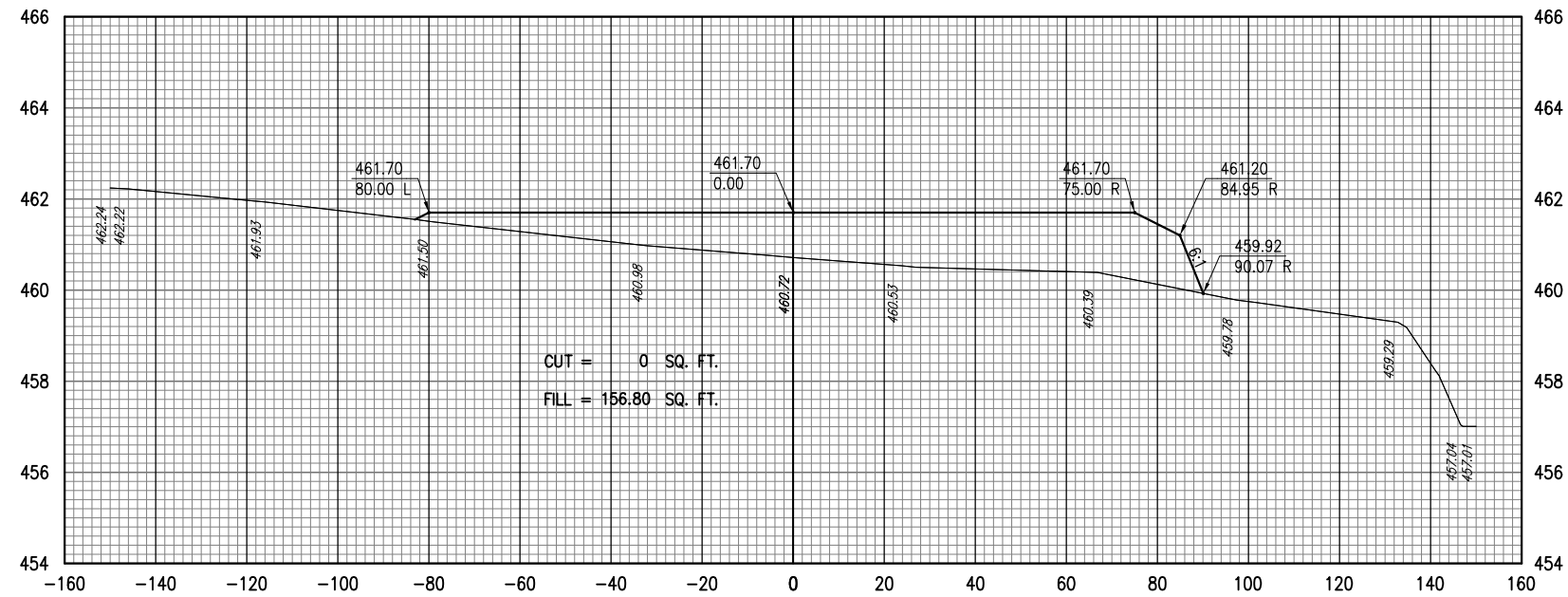
MT. VERNON AIRPORT

 A.I.P. PROJ.: 3-17-0074-B21
 IL PROJ.: MWV-4006

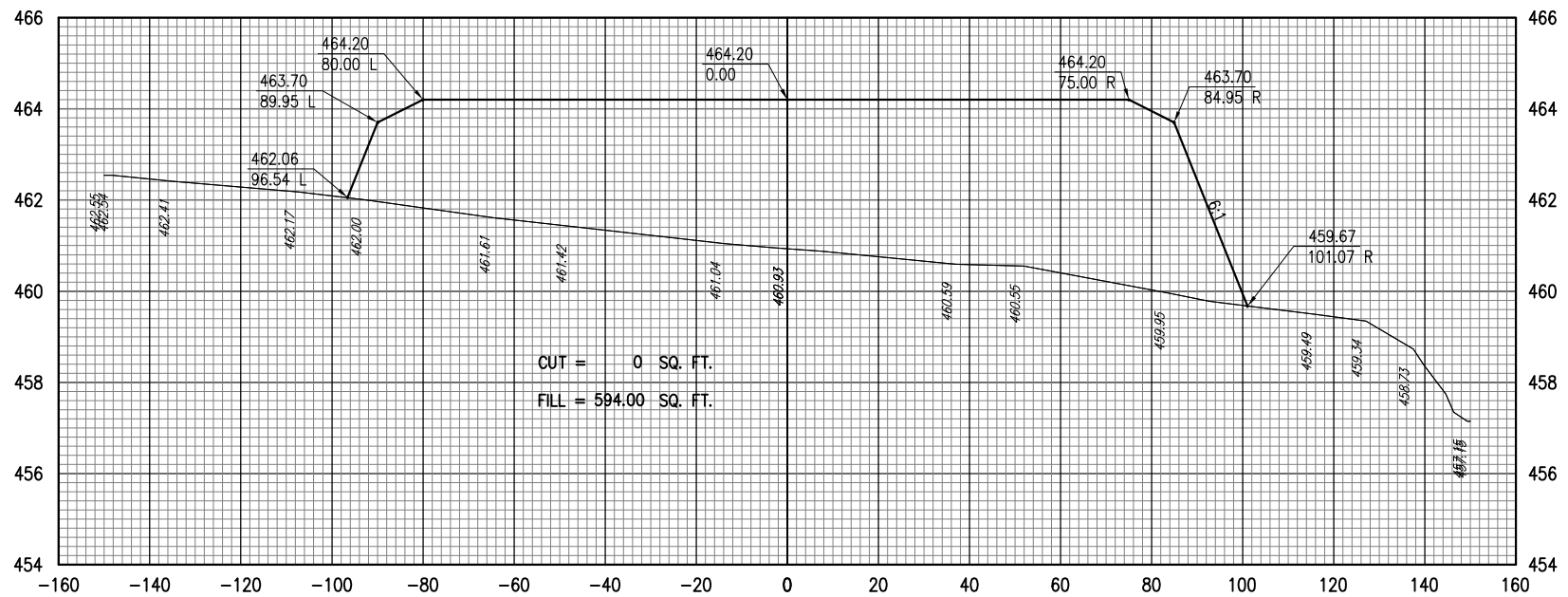
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Filename	R-012XSEC.DWG
Scale	1" = 20'
Date	04/19/2010
LAYOUT	JSL 04/19/2010
DRAWN	CWS 04/19/2010
REVIEWED	RAW 04/19/2010

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CONSTRUCT COMMUNITY HANGAR SITE
 PROPOSED CROSS SECTIONS



30+00



29+75

REVISION	DATE	BY

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 ILL. PROJ.: MVN-4006 A.I.P. PROJ.: 3-17-0074-B21

Hanson Project No.	09A0008D
Filename	R-012XSEC.DWG
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