

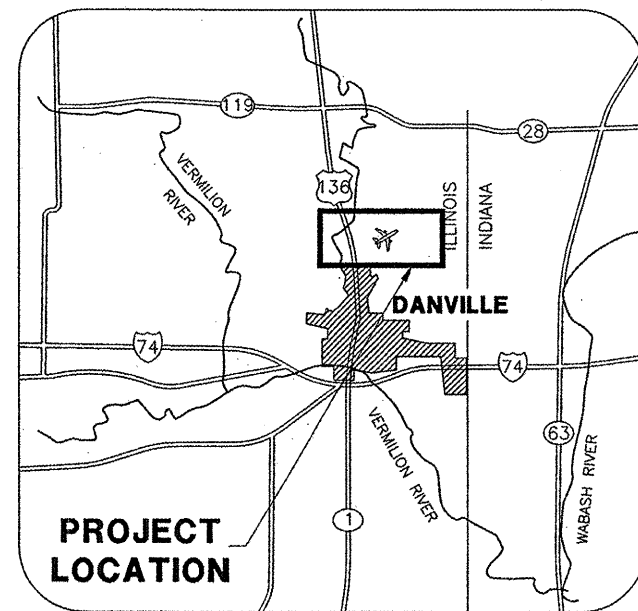
CONSTRUCTION PLANS FOR VERMILLION COUNTY AIRPORT

VERMILLION COUNTY AIRPORT AUTHORITY
DANVILLE, ILLINOIS

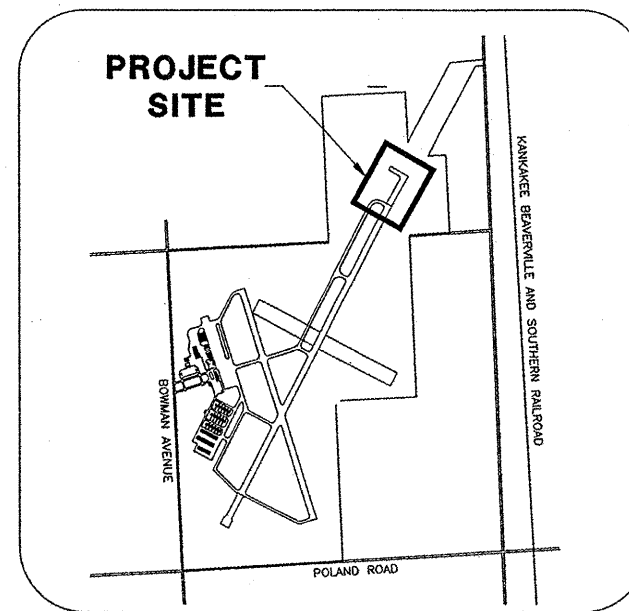
ILLINOIS PROJECT DNV-3537
AIP PROJECT 3-17-0032-B10

EXTEND PARALLEL TAXIWAY 600 FEET

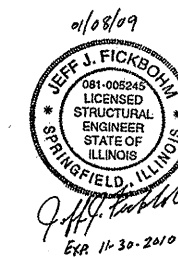
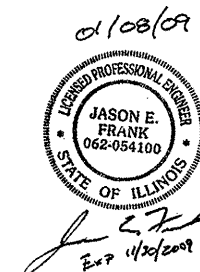
JANUARY 9, 2009



LOCATION MAP



SITE PLAN



DESIGN INFORMATION
GEOMETRIC CRITERIA AIRPLANE DESIGN GROUP III AIRCRAFT APPROACH CATEGORY C WINGSPAN UP TO BUT NOT INCLUDING 118 FT.
PAVEMENT DESIGN CRITERIA DEPARTURE WEIGHT = 100,000 LBS. DUAL GEAR
CALL J.U.L.I.E. BEFORE EXCAVATING 1-800-892-0123
TOWNSHIP: 20 NORTH RANGE: 11 WEST SECTION: 15 COUNTY: VERMILLION CIVIL TOWNSHIP:

VERMILLION COUNTY AIRPORT AUTHORITY
 VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS

APPROVED EXECUTIVE DIRECTOR OF AVIATION

DATE 1-7-09

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS

■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO

SUBMITTED BY

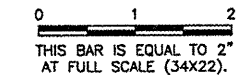
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CMT JOB NUMBER 05042-03-00-02

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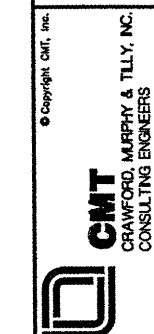
NUMBER	BY	DATE



INDEX TO SHEETS	
SHT NO.	TITLE
01	COVER SHEET
02	INDEX TO SHEETS & SUMMARY OF QUANTITIES
03	AIRPORT SITE PLAN
04	CONSTRUCTION ACTMITY PLAN
05	EXISTING CONDITIONS & REMOVALS
06	PROPOSED IMPROVEMENTS
07	TYPICAL SECTION
08	TAXIWAY A PLAN & PROFILE STA. 279+00 to STA. 287+00
09	DRAINAGE PLAN
10	DRAINAGE DETAILS 1
11	UNDERDRAIN DETAILS
12	MANHOLE & INLET DETAILS
13	ELECTRICAL & LIGHTING PLAN
14	SIGNAGE LAYOUT
15	ELECTRICAL DETAILS SHEET 1
16	ELECTRICAL DETAILS SHEET 2
17	ELECTRICAL DETAILS SHEET 3
18	ELECTRICAL DETAILS SHEET 4
19	MARKING PLAN
20	TURFING PLAN
21	EROSION CONTROL DETAILS
22	TAXIWAY A CROSS SECTIONS STA. 279+50 to STA. 281+00
23	TAXIWAY A CROSS SECTIONS STA. 281+50 to STA. 282+00
24	TAXIWAY A CROSS SECTIONS STA. 282+30 to STA. 283+00
25	TAXIWAY A CROSS SECTIONS STA. 283+50 to STA. 285+00
26	TAXIWAY A CROSS SECTIONS STA. 285+50 to STA. 287+00

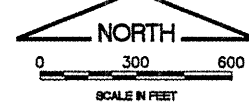
SUMMARY OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUAN.
AR108158	1/C #8 5 KV UG CABLE IN UD	LF	3,500
AR110504	4-WAY CONCRETE ENCASED DUCT	LF	135
AR110900	REMOVE DUCT	LF	60
AR125410	MITL-STAKE MOUNTED	EA	30
AR125415	MITL-BASE MOUNTED	EA	10
AR125901	REMOVE STAKE MOUNTED LIGHT	EA	22
AR125902	REMOVE BASE MOUNTED LIGHT	EA	1
AR125904	REMOVE TAXIWAY GUIDANCE SIGN	EA	1
AR125906	REMOVE SPLICE CAN	EA	1
AR125964	RELOCATE TAXI GUIDANCE SIGN	EA	1
AR150510	ENGINEER'S FIELD OFFICE	LS	1
AR152455	EMBANKMENT IN PLACE	CY	22,800
AR155540	BY-PRODUCT LIME	TON	155
AR155612	SOIL PROCESSING - 12"	SY	6,360
AR156510	SILT FENCE	LF	1,500
AR156520	INLET PROTECTION	EA	4
AR156544	RIPRAP-GRADATION NO 4	SY	70
AR201506	BITUMINOUS BASE COURSE - 6"	SY	5,890
AR209611	CRUSHED AGG. BASE COURSE - 11"	SY	6,360
AR401504	BITUMINOUS SURFACE COURSE - 4"	SY	5,890
AR401900	REMOVE BITUMINOUS PAVEMENT	SY	1,792
AR602510	BITUMINOUS PRIME COAT	GAL	3,180
AR603510	BITUMINOUS TACK COAT	GAL	2,400
AR620520	PAVEMENT MARKING-WATERBORNE	SF	850
AR701560	60" RCP, CLASS IV	LF	100
AR701572	72" RCP, CLASS IV	LF	230
AR705524	4" PERFORATED UNDERDRAIN W/SOCK	LF	1,900
AR705635	UNDERDRAIN COLLECTION STRUCTURE	EA	4
AR705640	UNDERDRAIN CLEANOUT	EA	6
AR751410	INLET	EA	1
AR751530	MANHOLE	EA	1
AR752960	RELOCATE END SECTION	EA	1
AR800217	UNDERCUT BEDDING	CY	85
AR901510	SEEDING	AC	4
AR904510	SODDING	SY	875
AR908510	MULCHING	AC	4
AR908520	EXCELSIOR BLANKET	SY	5,000

VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 INDEX TO SHEETS &
 SUMMARY OF QUANTITIES



DESIGN BY: SMS
 DRAWN BY: DPA
 CHECKED BY: JEF
 APPROVED BY: JEF
 DATE: 01/09/2009
 JOB No: 05042-0300
 ILLINOIS PROJECT DNV-3537
 A.I.P. PROJECT 3-17-0032-B10
 SHEET 02 OF 26 SHEETS

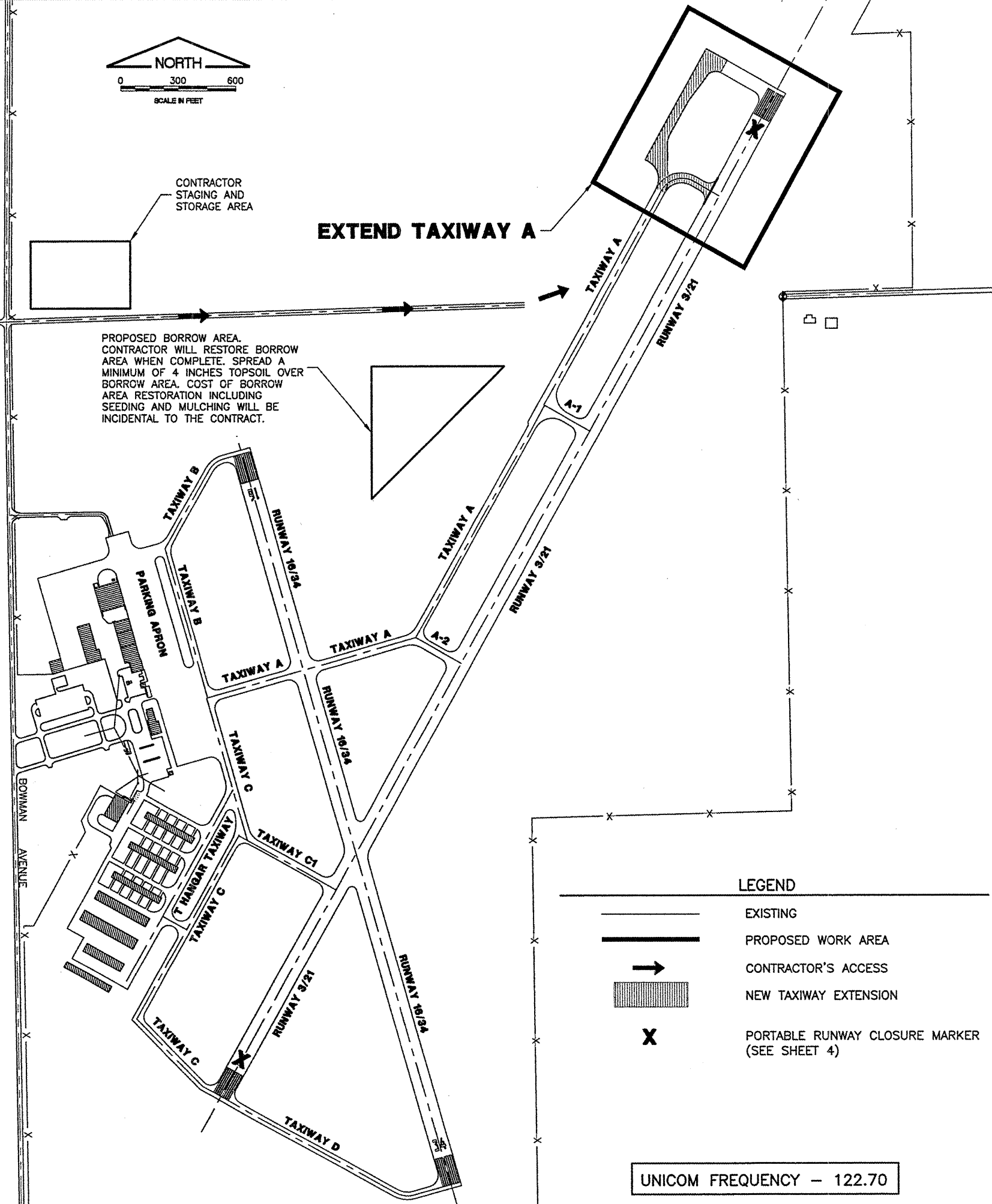
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 SURVEY BOOK #
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CONTRACTOR STAGING AND STORAGE AREA

EXTEND TAXIWAY A

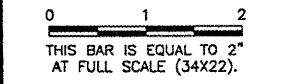
PROPOSED BORROW AREA. CONTRACTOR WILL RESTORE BORROW AREA WHEN COMPLETE. SPREAD A MINIMUM OF 4 INCHES TOPSOIL OVER BORROW AREA. COST OF BORROW AREA RESTORATION INCLUDING SEEDING AND MULCHING WILL BE INCIDENTAL TO THE CONTRACT.



GENERAL NOTES

1. ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION ACTIVITY PLAN.
2. ALL CONSTRUCTION TRAFFIC OPERATING ON OR CROSSING RUNWAYS, TAXIWAYS, AND APRONS OPEN TO AIRCRAFT SHALL BE UNDER CONTROL OF A FLAGMAN MONITORING THE UNICOM FREQUENCY 122.70 AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE HIS OWN RADIOS.
3. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT DIRECTOR.
4. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS AT THE LOCATIONS SHOWN.
5. BROKEN CONCRETE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF AIRPORT PROPERTY.
6. VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN AREAS 59' FROM THE CENTERLINE OF ACTIVE TAXIWAYS OR 200' FROM THE CENTERLINE OF ACTIVE RUNWAYS.
7. ALL PAVEMENTS, DRIVES, OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
8. EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE AIRPORT.
9. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN ALL CONSTRUCTION AREAS WHICH WILL BE OPENED TO AIR TRAFFIC.
10. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS SO AS TO AVOID ANY DAMAGE. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER WHICH IS SATISFACTORY TO THE ENGINEER, THE AIRPORT AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
11. THE CONTRACTOR SHALL MAINTAIN A SECURE AIRFIELD PERIMETER WITH EXISTING, TEMPORARY, RELOCATED OR PERMANENT 6' TALL FENCE THROUGHOUT THE DURATION OF THE PROJECT. COST OF ERECTION AND REMOVAL OF TEMPORARY FENCE WILL BE INCIDENTAL TO CONTRACT.
12. CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
 - A. THE CONTRACTOR'S ACCESS TO THE WORK SHALL BE AS SHOWN IN THE PLANS.
 - B. THE CONTRACTOR SHALL COMPLETE A TEN YEAR CRIMINAL AND EMPLOYMENT BACKGROUND CHECK AND A SECURITY FORM FOR THE SUPERINTENDENTS AND SUPERVISING FOREMEN HE PROPOSES TO USE ON THE AIRPORT. THESE FORMS SHALL BE COMPLETED PRIOR TO THAT PERSON BEING ALLOWED ON THE AIRFIELD. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR.
 - C. THE CONTRACTOR SHALL USE AN EXISTING GATE(S) FOR ACCESS TO THE AIRFIELD. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR THIS PADLOCK TO THE RESIDENT ENGINEER AND THE MAINTENANCE SUPERVISOR. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER.
 - D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE(S) CLOSED DURING WORK HOURS. IF THE CONTRACTOR CHOOSES TO LEAVE THE GATE(S) OPEN, THEN HE SHALL POST A COMPETENT SECURITY GUARD TO PREVENT UNAUTHORIZED ENTRIES. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS IF SO DIRECTED.
 - E. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP, OR I.D.O.T..
 - F. DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE.
 - G. THE CONTRACTOR WILL CLOSE AND LOCK THE ACCESS GATE(S) UPON LEAVING THE SITE.
 - H. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - I. THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS TO NOT VIOLATE AIRSPACE SURFACES, OR RUNWAY AND TAXIWAY OBJECT FREE OR SAFETY AREAS.
 - J. 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.
13. COST OF TEMPORARY EDGE LIGHTING AND CABLING IN ORDER TO MAINTAIN AIRFIELD CIRCUITS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
14. CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE MARKED AND FLAGGED PER SECTION 50-10 OF THE SUPPLEMENTAL SPECIFICATIONS. MAXIMUM HEIGHT OF CONTRACTOR'S EQUIPMENT WILL BE 25'.

REVISIONS		
NUMBER	BY	DATE



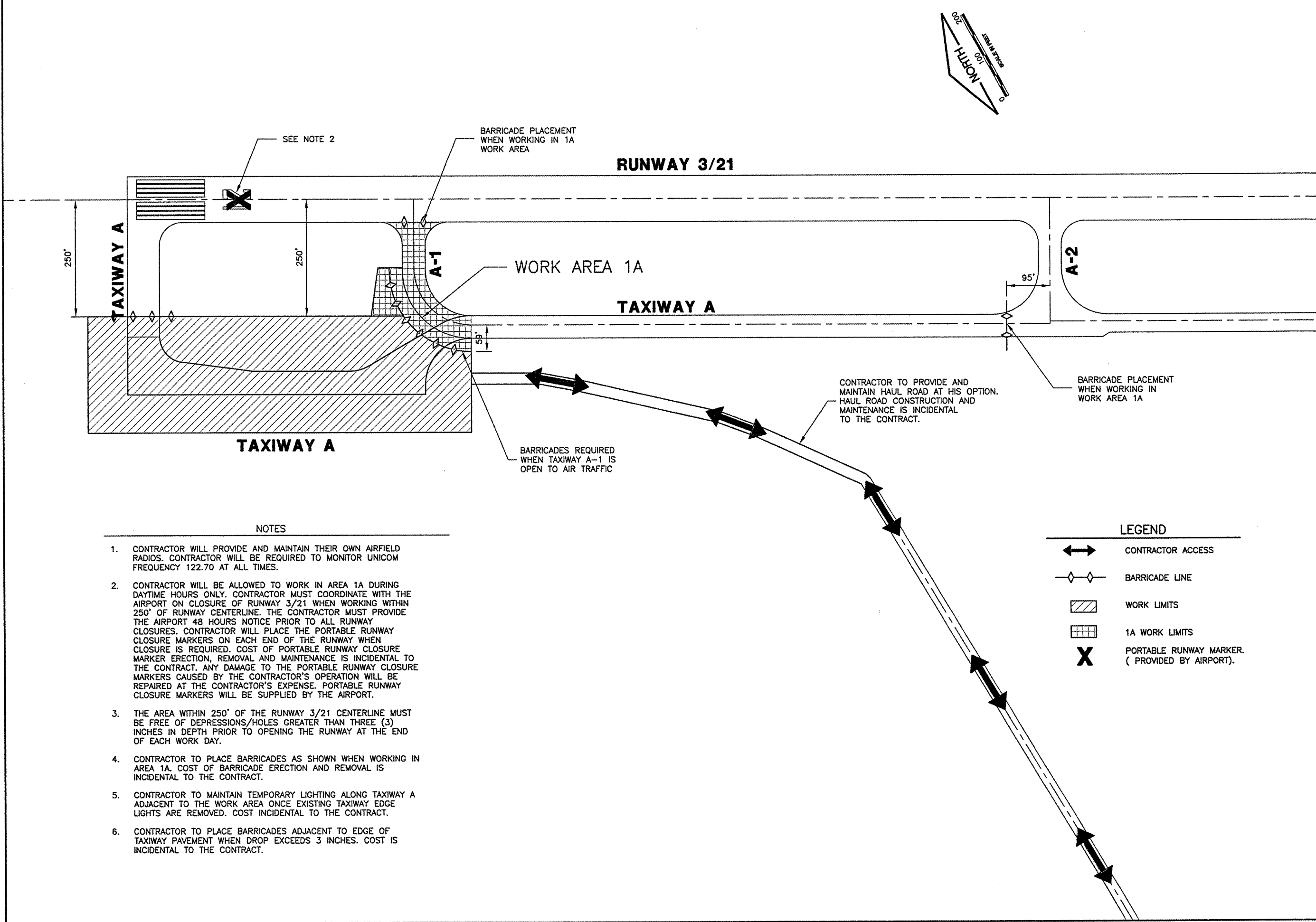
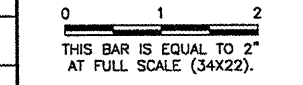
VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 AIRPORT SITE PLAN

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DRAWN BY:	DPA
CHECKED BY:	JEF
APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 03 OF 26 SHEETS	

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NOTES

- CONTRACTOR WILL PROVIDE AND MAINTAIN THEIR OWN AIRFIELD RADIOS. CONTRACTOR WILL BE REQUIRED TO MONITOR UNICOM FREQUENCY 122.70 AT ALL TIMES.
- CONTRACTOR WILL BE ALLOWED TO WORK IN AREA 1A DURING DAYTIME HOURS ONLY. CONTRACTOR MUST COORDINATE WITH THE AIRPORT ON CLOSURE OF RUNWAY 3/21 WHEN WORKING WITHIN 250' OF RUNWAY CENTERLINE. THE CONTRACTOR MUST PROVIDE THE AIRPORT 48 HOURS NOTICE PRIOR TO ALL RUNWAY CLOSURES. CONTRACTOR WILL PLACE THE PORTABLE RUNWAY CLOSURE MARKERS ON EACH END OF THE RUNWAY WHEN CLOSURE IS REQUIRED. COST OF PORTABLE RUNWAY CLOSURE MARKER ERECTION, REMOVAL AND MAINTENANCE IS INCIDENTAL TO THE CONTRACT. ANY DAMAGE TO THE PORTABLE RUNWAY CLOSURE MARKERS CAUSED BY THE CONTRACTOR'S OPERATION WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. PORTABLE RUNWAY CLOSURE MARKERS WILL BE SUPPLIED BY THE AIRPORT.
- THE AREA WITHIN 250' OF THE RUNWAY 3/21 CENTERLINE MUST BE FREE OF DEPRESSIONS/HOLES GREATER THAN THREE (3) INCHES IN DEPTH PRIOR TO OPENING THE RUNWAY AT THE END OF EACH WORK DAY.
- CONTRACTOR TO PLACE BARRICADES AS SHOWN WHEN WORKING IN AREA 1A. COST OF BARRICADE ERECTION AND REMOVAL IS INCIDENTAL TO THE CONTRACT.
- CONTRACTOR TO MAINTAIN TEMPORARY LIGHTING ALONG TAXIWAY A ADJACENT TO THE WORK AREA ONCE EXISTING TAXIWAY EDGE LIGHTS ARE REMOVED. COST INCIDENTAL TO THE CONTRACT.
- CONTRACTOR TO PLACE BARRICADES ADJACENT TO EDGE OF TAXIWAY PAVEMENT WHEN DROP EXCEEDS 3 INCHES. COST IS INCIDENTAL TO THE CONTRACT.

LEGEND

- CONTRACTOR ACCESS
- BARRICADE LINE
- WORK LIMITS
- 1A WORK LIMITS
- PORTABLE RUNWAY MARKER. (PROVIDED BY AIRPORT).

**VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 CONSTRUCTION ACTIVITY PLAN**

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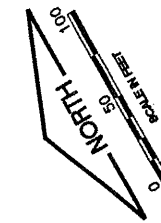


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A.I.P. PROJECT 3-17-0032-810	
SHEET	04 OF 26 SHEETS

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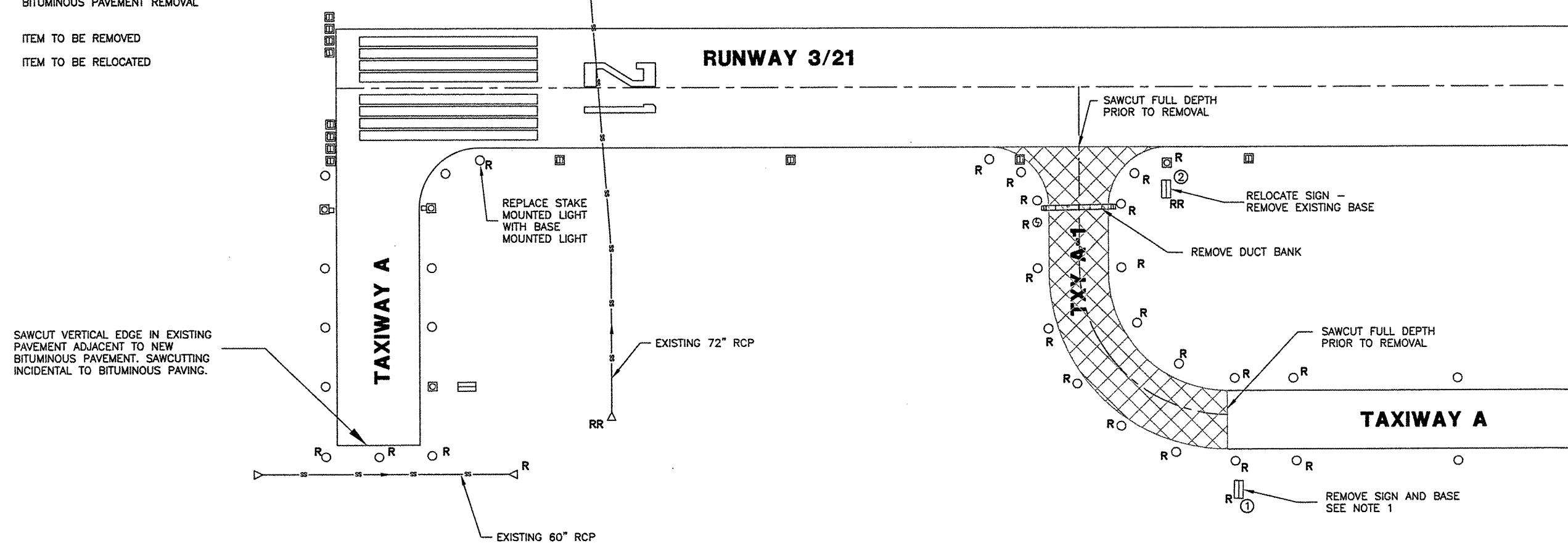
- ⊙ EXIST. SPLICE CAN
- EXIST. STAKE MOUNTED RWY LIGHT
- EXIST. STAKE MOUNTED TXY LIGHT
- ▣ EXIST. BASE MOUNTED RWY LIGHT
- ⊠ EXIST. BASE MOUNTED TXY LIGHT
- ① EXIST. AIRFIELD SIGNAGE AND PLAN IDENTIFIER
- ▷ EXIST. FLARED END SECTION
- S— EXIST. STORM SEWER
- D— EXIST. DUCT BANK
- ▨ BITUMINOUS PAVEMENT REMOVAL
- R ITEM TO BE REMOVED
- RR ITEM TO BE RELOCATED



REVISIONS

NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).



**VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS**
EXTEND PARALLEL TAXIWAY 600 FEET
EXISTING CONDITIONS & REMOVALS

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE 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 COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER AND THE ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE.

- NOTES:**
- REMOVED SIGN AND TRANSFORMER WILL BE TURNED OVER TO THE AIRPORT. SIGN BASE SHALL BE DISPOSED OF OFF AIRPORT PROPERTY. CONTRACTOR SHALL RESTORE AREA AS PART OF THEIR GRADING OPERATIONS.

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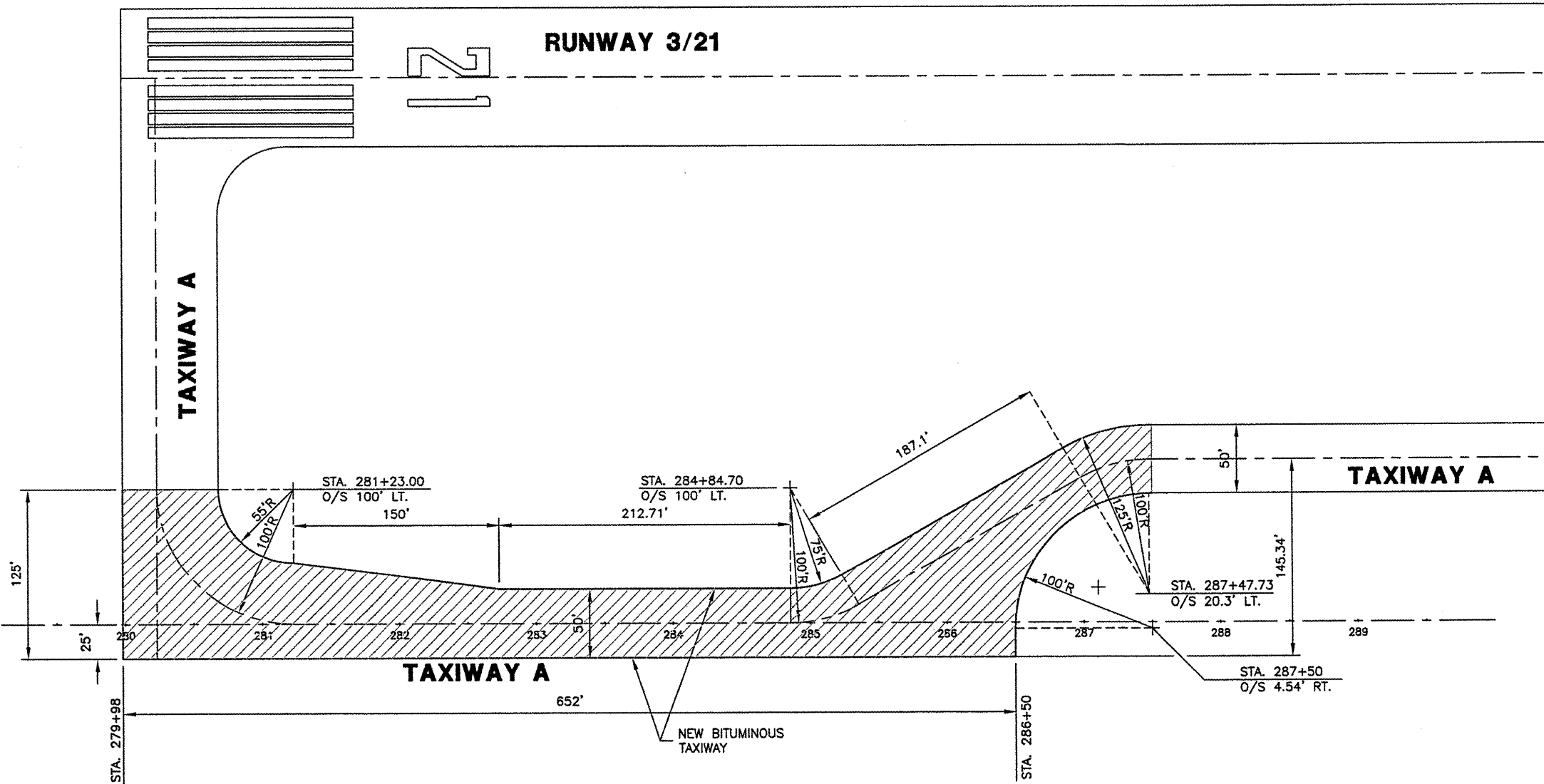
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A.I.P. PROJECT 3-17-0032-B10	
SHEET	05 OF 26 SHEETS

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REVISIONS		
NUMBER	BY	DATE

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



VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET
 PROPOSED IMPROVEMENTS

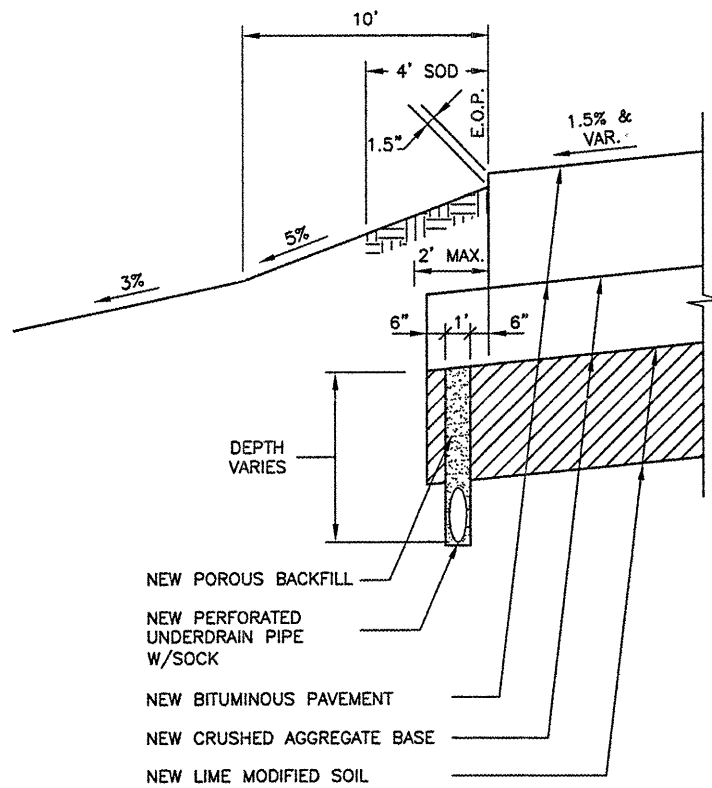
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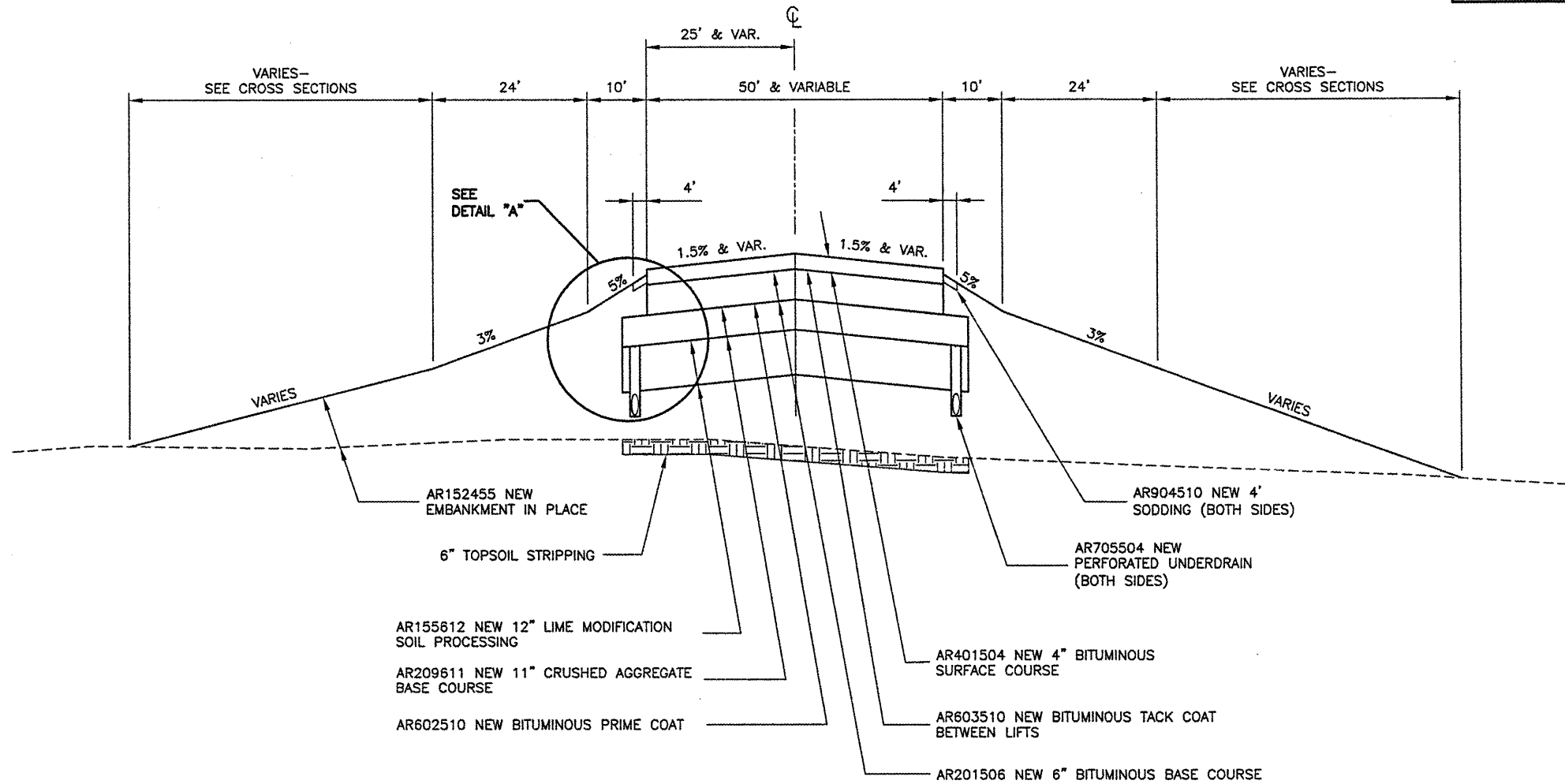


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SHEET	06 OF 26 SHEETS

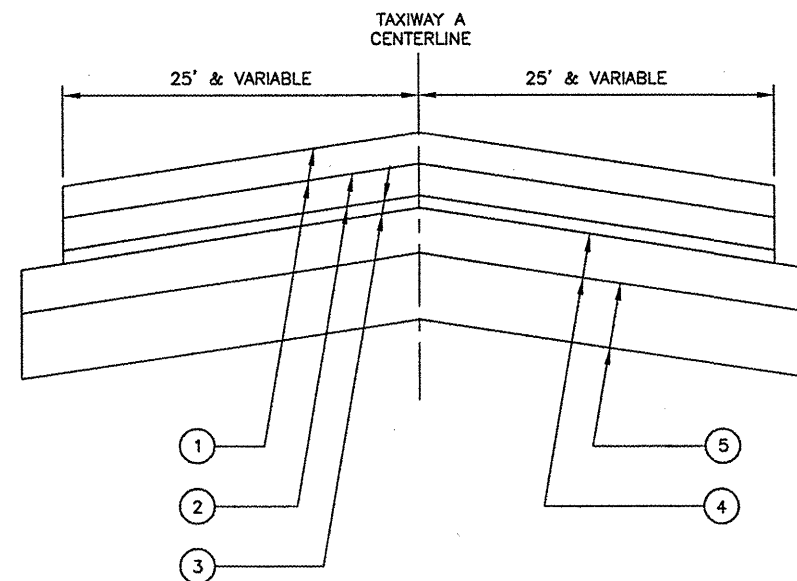
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NEW SHOULDER DETAIL "A"
N.T.S.



NEW TAXIWAY A TYPICAL SECTION
N.T.S.



EXISTING TAXIWAY A TYPICAL SECTION
N.T.S.

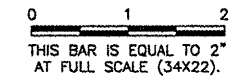
KEY NOTES:

- ① 4" AND VARIABLE BITUMINOUS SURFACE TRANSITION—CONSTRUCTED 2005.
- ② 4" AND VARIABLE BITUMINOUS SURFACE OVERLAY—CONSTRUCTED 1984.
- ③ 2" BITUMINOUS SURFACE COURSE—ORIGINAL CONSTRUCTION.
- ④ 7" AGGREGATE BASE COURSE—ORIGINAL CONSTRUCTION.
- ⑤ 7" AGGREGATE SUBBASE COURSE—ORIGINAL CONSTRUCTION.

NOTES:

- 1. EXISTING CONSTRUCTION RECORDS DO NOT INDICATE UNDERDRAIN WAS INSTALLED DURING THE ORIGINAL CONSTRUCTION OF TAXIWAY A WITHIN THE REMOVAL LIMITS. SHOULD UNDERDRAIN BE ENCOUNTERED WITHIN THE REMOVAL AREA, THE EXISTING UNDERDRAIN MUST BE REMOVED AND THE REMAINING SYSTEM TIED INTO THE NEW SYSTEM OR AN ADJACENT EXISTING SYSTEM. THE RESIDENT ENGINEER WILL ASSIST THE CONTRACTOR IN DEVELOPING A SYSTEM THAT WILL BE FREE DRAINING.
- 2. AT A MINIMUM, THE EXISTING 7" AGGREGATE BASE COURSE WILL BE REMOVED. THE EXISTING SUBBASE COURSE MAY BE LEFT IN PLACE, PROVIDED SUFFICIENT TOPSOIL CAN BE SPREAD OVER THE SUBBASE AT THE GRADES AND SLOPES SHOWN IN THE CROSS SECTIONS AND GRADING PLANS.

REVISIONS		
NUMBER	BY	DATE



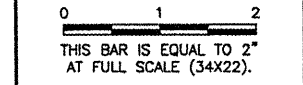
VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 TYPICAL SECTION

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DESIGN BY:	SMS
DRAWN BY:	DPA
CHECKED BY:	JEF
APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV--3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 07 OF 26 SHEETS	

K:\Danville\0504203 Taxiway Extension\Draw\Sheets
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 LAYOUT: PLANPRO
 UPDATE BY: dallan
 SURVEY BOOK #
 DATE: Mon 1/5/09 4:27pm
 XREF DWG: rcrp001.dwg
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 DNV-EXISTBASE-1.dwg
 Clintinfo.dwg
 BASE_PROPGE0.dwg

REVISIONS		
NUMBER	BY	DATE

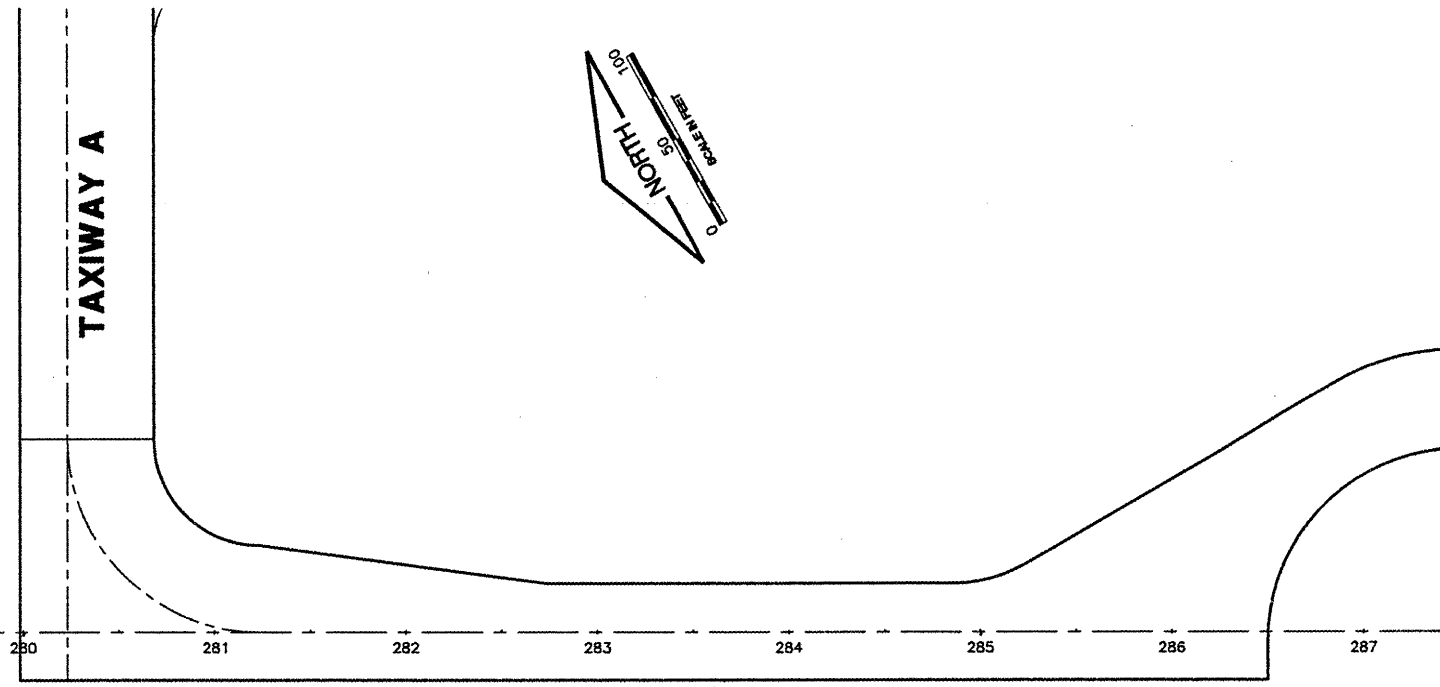


**VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS**

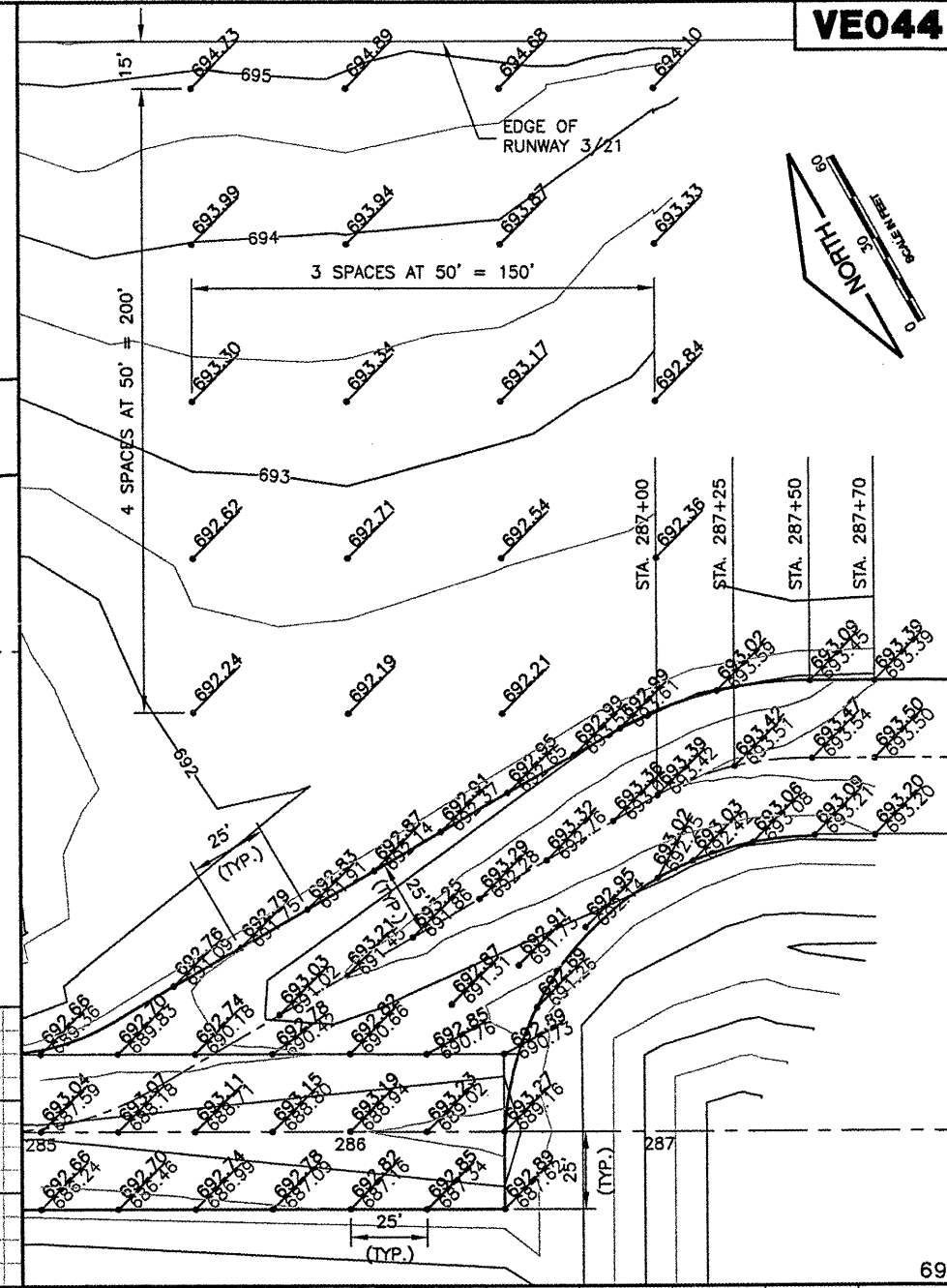
**EXTEND PARALLEL TAXIWAY 600 FEET
 TAXIWAY A PLAN & PROFILE
 STA. 279+00 TO STA. 287+00**

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APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	08 OF 26 SHEETS



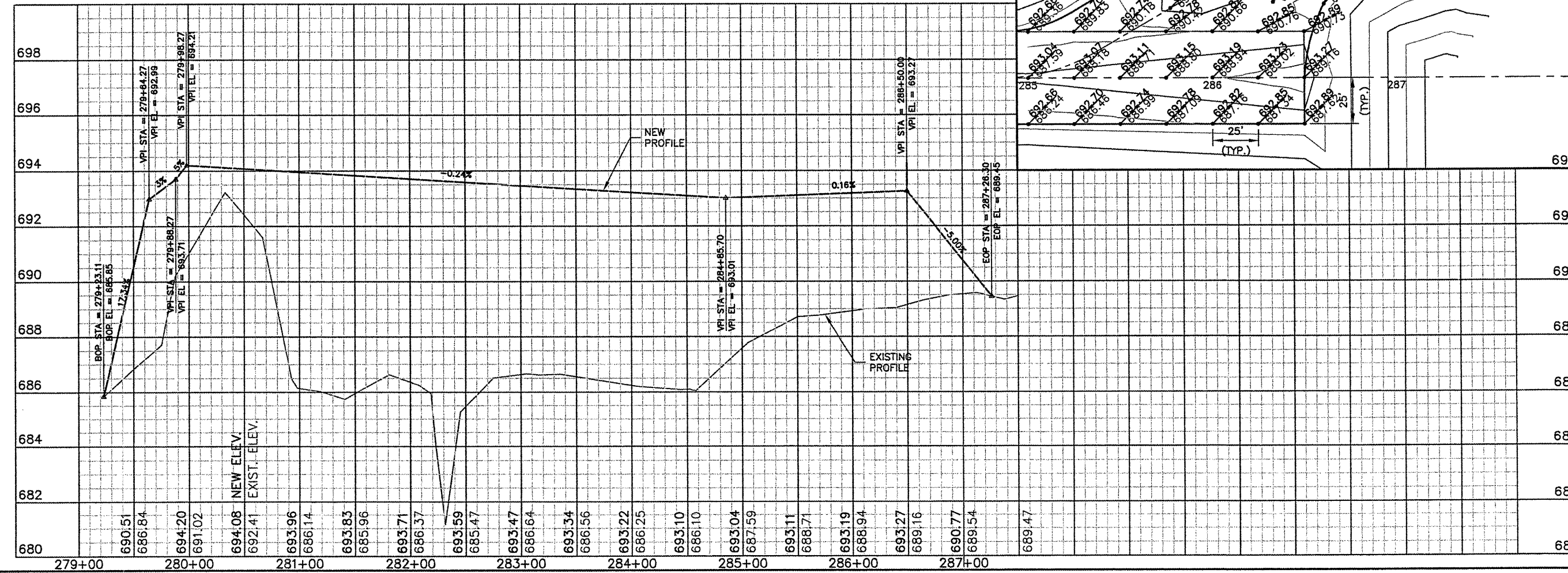
TAXIWAY A



LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOURS

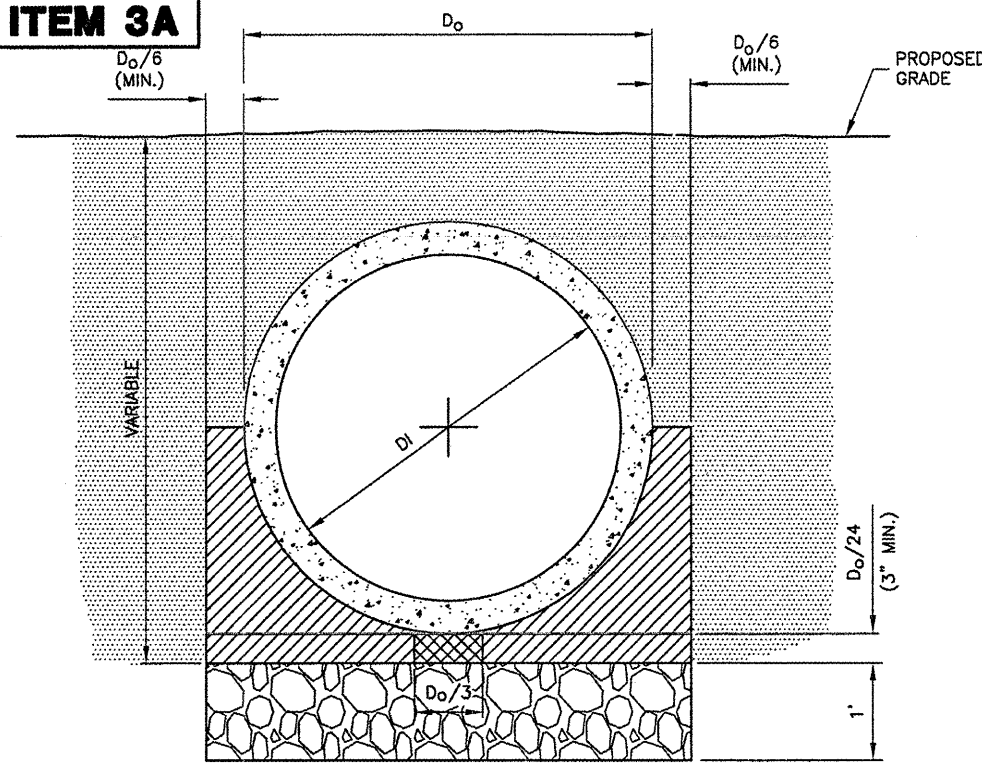
SCALES:
 1" = 50' HOR
 1" = 2' VER



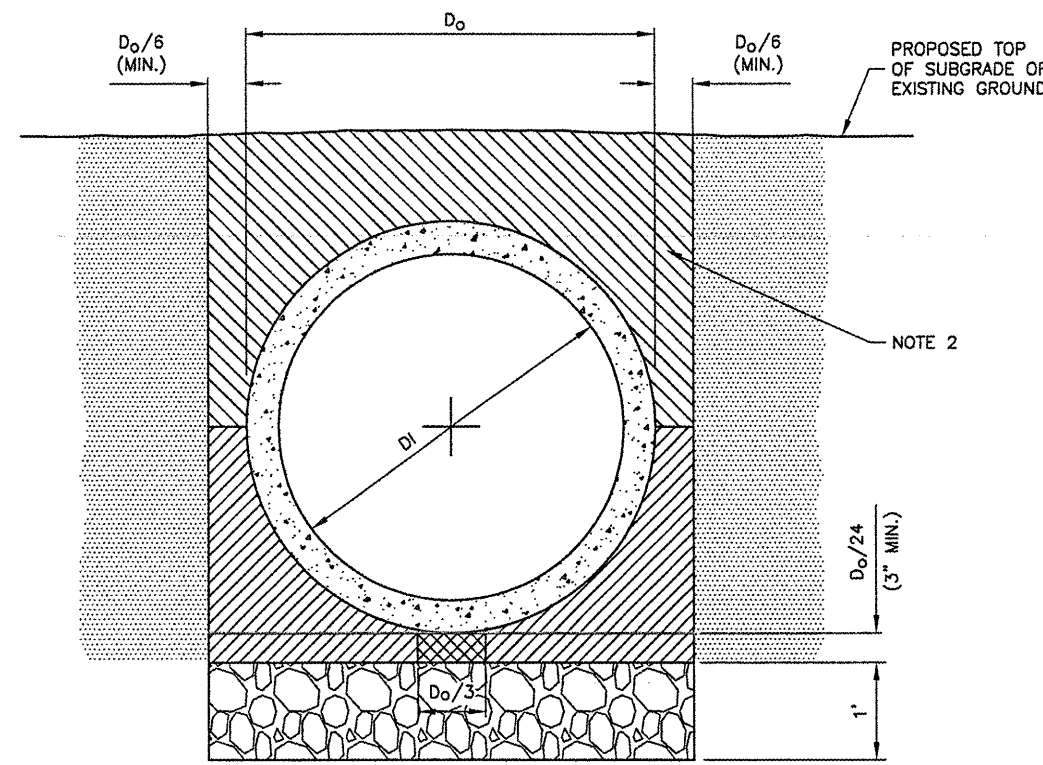
ITEM 3A

VE044

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 UPDATE BY: dallen
 SURVEY BOOK #
 DATE: Mon 1/5/09 4:37pm
 XREF DWG: CIntinfo.dwg



**STANDARD TRENCH INSTALLATION
 NON-PAVED AREA**
 N.T.S.



**STANDARD TRENCH INSTALLATION
 PROPOSED PAVED AREAS**
 N.T.S.

LEGEND

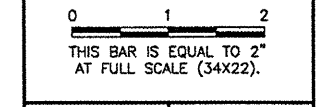
- DRAINAGE CONDUIT MATERIAL-CONCRETE
- MIDDLE BEDDING LOOSELY PLACED UNCOMPACTED BEDDING
- HAUNCH AND OUTER BEDDING COMPACTION- TO THE SATISFACTION OF THE ENGINEER
- BACKFILL ABOVE HAUNCH COMPACTION 95% OF STANDARD PROCTOR
- 1' UNDERCUT BEDDING
- LOWER SIDE AND OVERFILL COMPACTION- SAME AS EMBANKMENT REQUIREMENTS

D_0 PIPE OUTSIDE DIAMETER
 D_1 PIPE INSIDE DIAMETER

- NOTES**
- BEDDING SHOWN IS IN ACCORDANCE WITH "STANDARD EMBANKMENT INSTALLATIONS", STANDARD INSTALLATION & BEDDING FACTORS FOR THE INDIRECT DESIGN METHOD (DESIGN DATA 40), AMERICAN CONCRETE PIPE ASSOCIATION.
 - BACKFILL TO EXTEND 3' BEYOND EDGES OF PROPOSED PAVEMENT.

REVISIONS

NUMBER	BY	DATE
1	SMH	11-8-2006



**VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS**
EXTEND PARALLEL TAXIWAY 600 FEET
DRAINAGE DETAILS

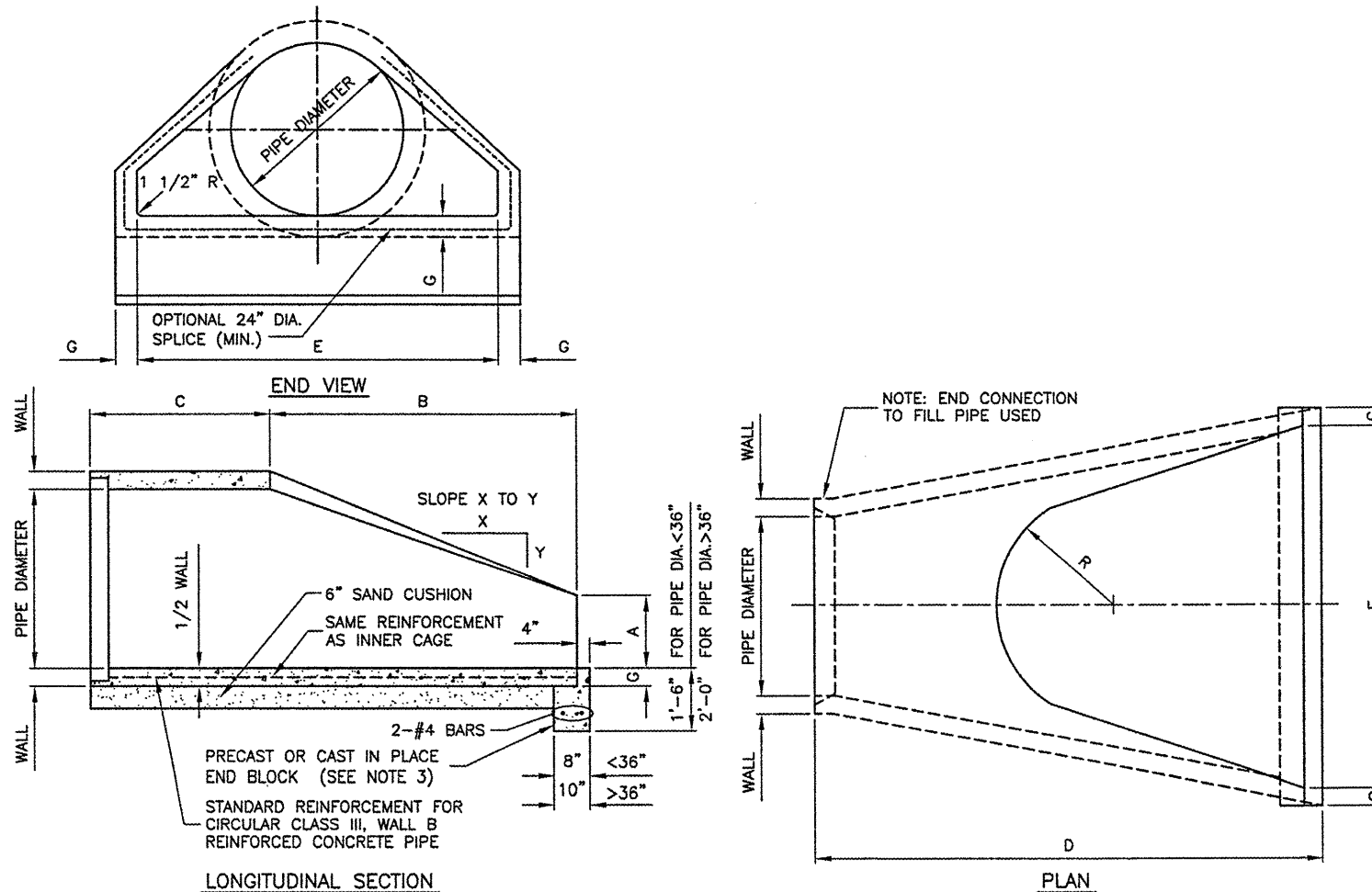
DIMENSIONS - TABLE 1

PIPE DIA.	APPROX WT. (lbs.)	WALL	A	B	C	D	E	G	R	SLOPE
12"	530	2"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	2"	9"	3:1
15"	740	2 1/4"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2 1/4"	11"	3:1
18"	990	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2 1/2"	12"	3:1
21"	1280	2 3/4"	9"	2'-11"	3'-2"	6'-1"	3'-6"	2 3/4"	13"	3:1
24"	1520	3"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	3"	14"	3:1
27"	1930	3 1/4"	10 1/2"	4'-0"	2'-1 1/2"	6'-1 1/2"	4'-6"	3 1/4"	14 1/2"	3:1
30"	2190	3 1/2"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3 1/2"	15"	3:1
33"	3200	3 3/4"	1-1 1/2"	4'-10 1/2"	3'-3 1/4"	8'-1 3/4"	5'-6"	3 3/4"	17 1/2"	3:1
36"	4100	4"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	4"	20"	3:1
42"	5380	4 1/2"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4 1/2"	22"	3:1
48"	6550	5"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	5"	22"	3:1
54"	8240	5 1/2"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"	5 1/2"	24"	2.4:1
60"	8730	6"	2'-11"	5'-0"	3'-3"	8'-3"	8'-0"	5"	*	2:1
66"	10710	6 1/2"	2'-6"	6'-0"	2'-3"	8'-3"	8'-6"	5 1/2"	*	2:1
72"	12520	7"	3'-0"	6'-6"	1'-9"	8'-3"	9'-0"	6"	*	1.86:1
78"	14770	7 1/2"	3'-0"	7'-6"	1'-9"	9'-3"	9'-6"	6 1/2"	*	1.82:1
84"	18160	8"	3'-0"	7'-6 1/2"	1'-9"	9'-3 1/2"	10'-0"	6 1/2"	*	1.5:1

* RADIUS AS FURNISHED BY MANUFACTURER.

NOTES

- PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.
- PRECAST CONCRETE FLARED END SECTION FOR PIPE DIAMETER REQUIRED SHALL BE AS INDICATED ON DETAIL PLAN FOR EACH INDIVIDUAL INSTALLATION.
- THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ITEM 701.

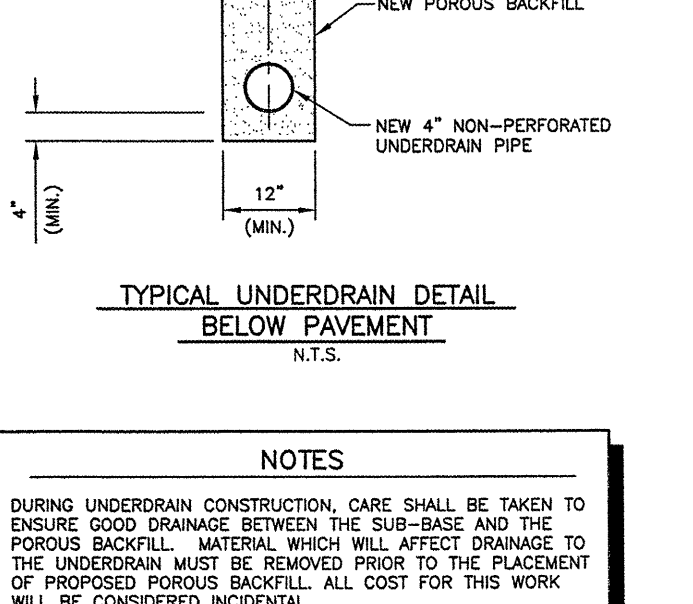
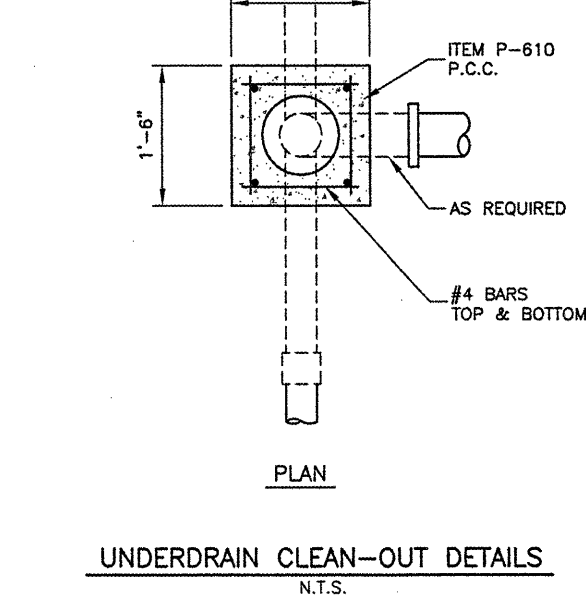
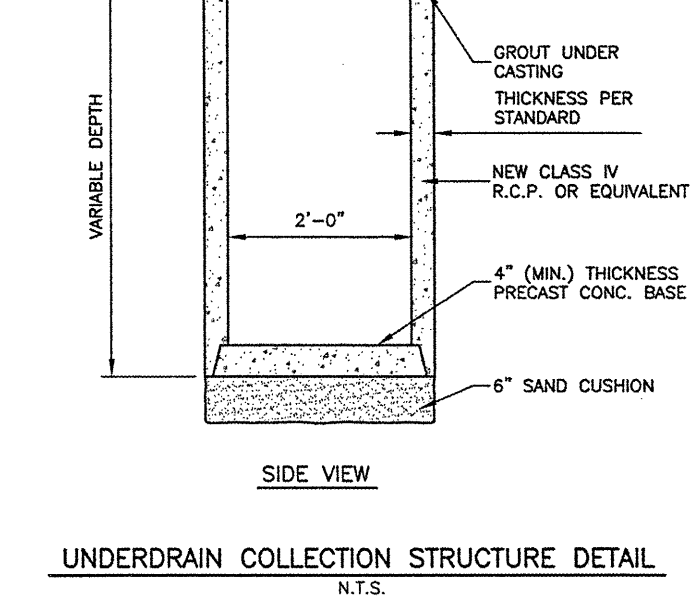
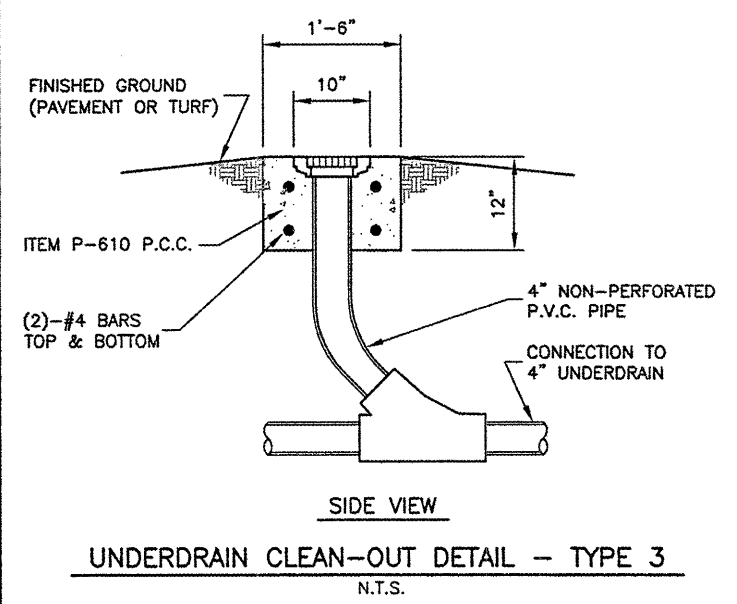
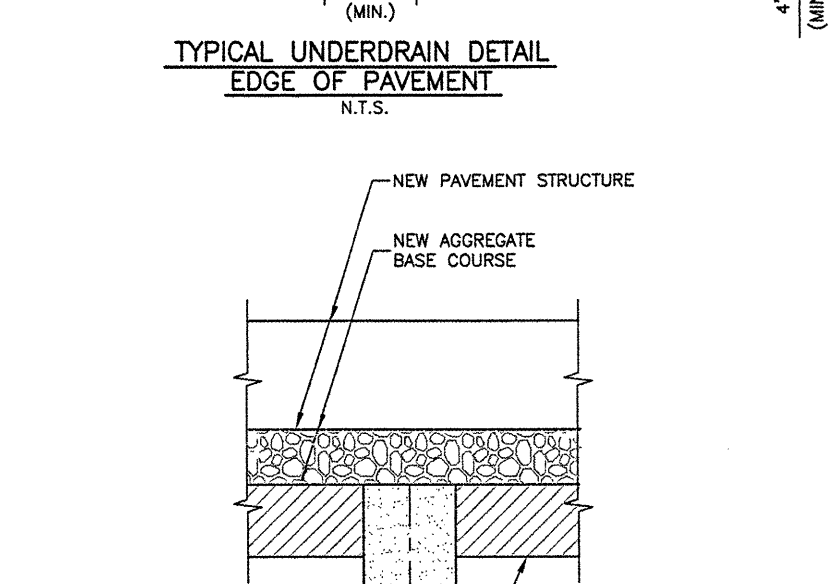
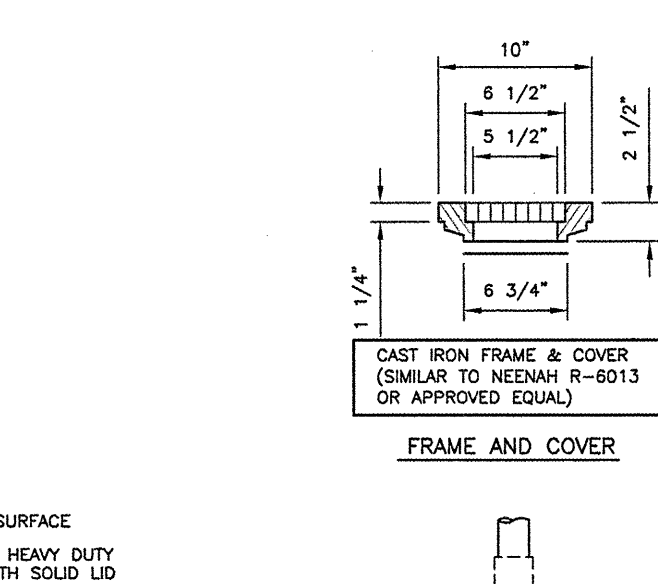
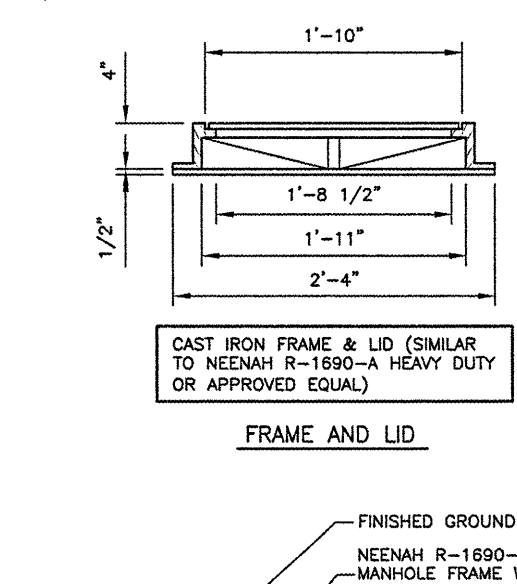
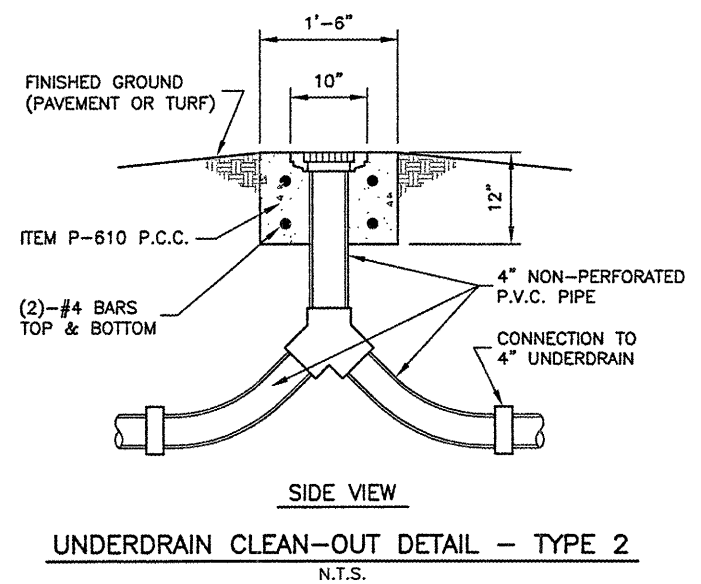
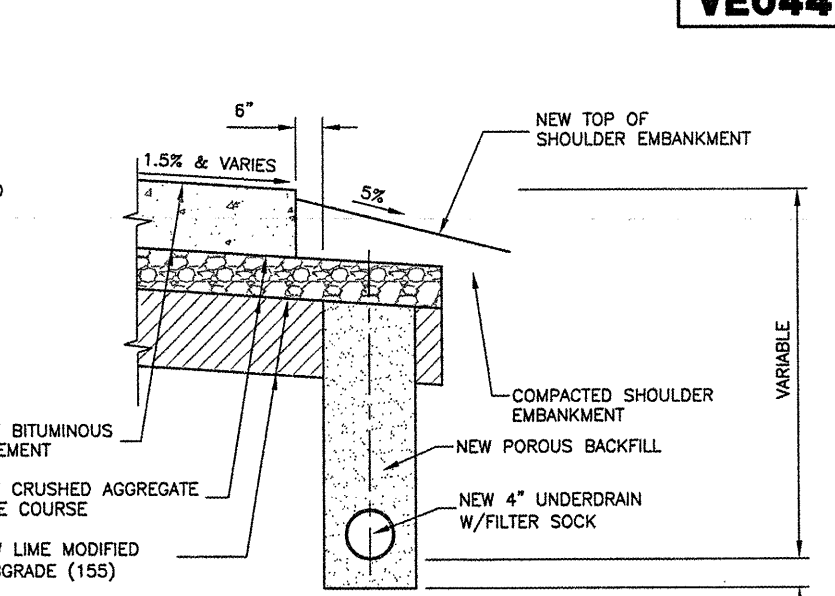
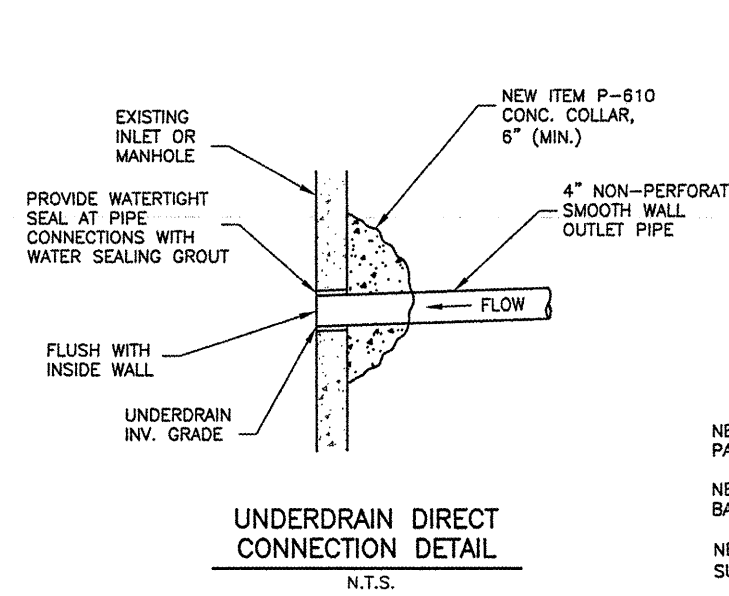
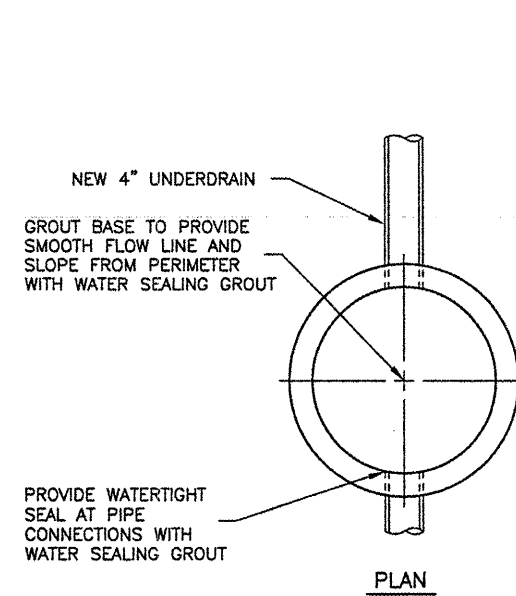
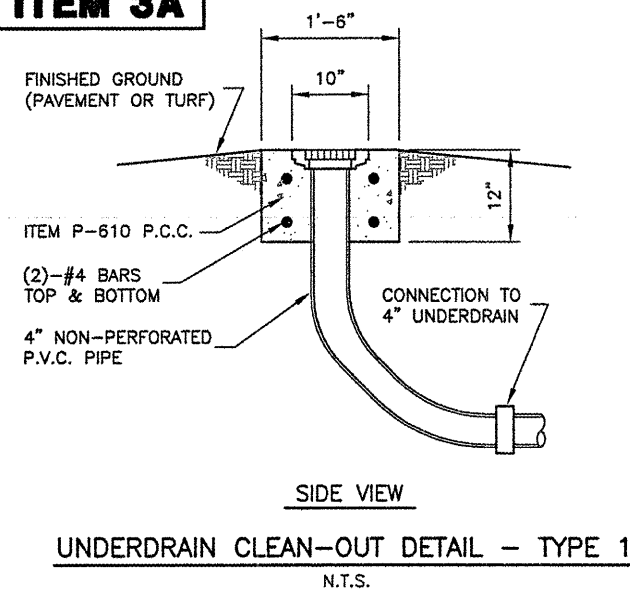


PRECAST REINFORCED CONCRETE FLARED END SECTION
 (I.D.O.T. STD. NO. 542301)

N.T.S.

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CHECKED BY:	JEF
APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 10 OF 26 SHEETS	

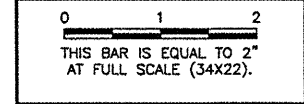


NOTES

DURING UNDERDRAIN CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE GOOD DRAINAGE BETWEEN THE SUB-BASE AND THE POROUS BACKFILL. MATERIAL WHICH WILL AFFECT DRAINAGE TO THE UNDERDRAIN MUST BE REMOVED PRIOR TO THE PLACEMENT OF PROPOSED POROUS BACKFILL. ALL COST FOR THIS WORK WILL BE CONSIDERED INCIDENTAL.

REVISIONS

NUMBER	BY	DATE



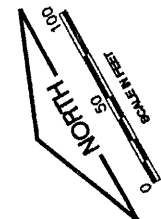
VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 UNDERDRAIN DETAILS

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DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-810	
SHEET	11 OF 26 SHEETS

K:\Danville\0504203 Taxiway Extension\Draw\Sheets
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 LAYOUT: ELECPLAN
 UPDATE BY: dallen
 SURVEY BOOK #
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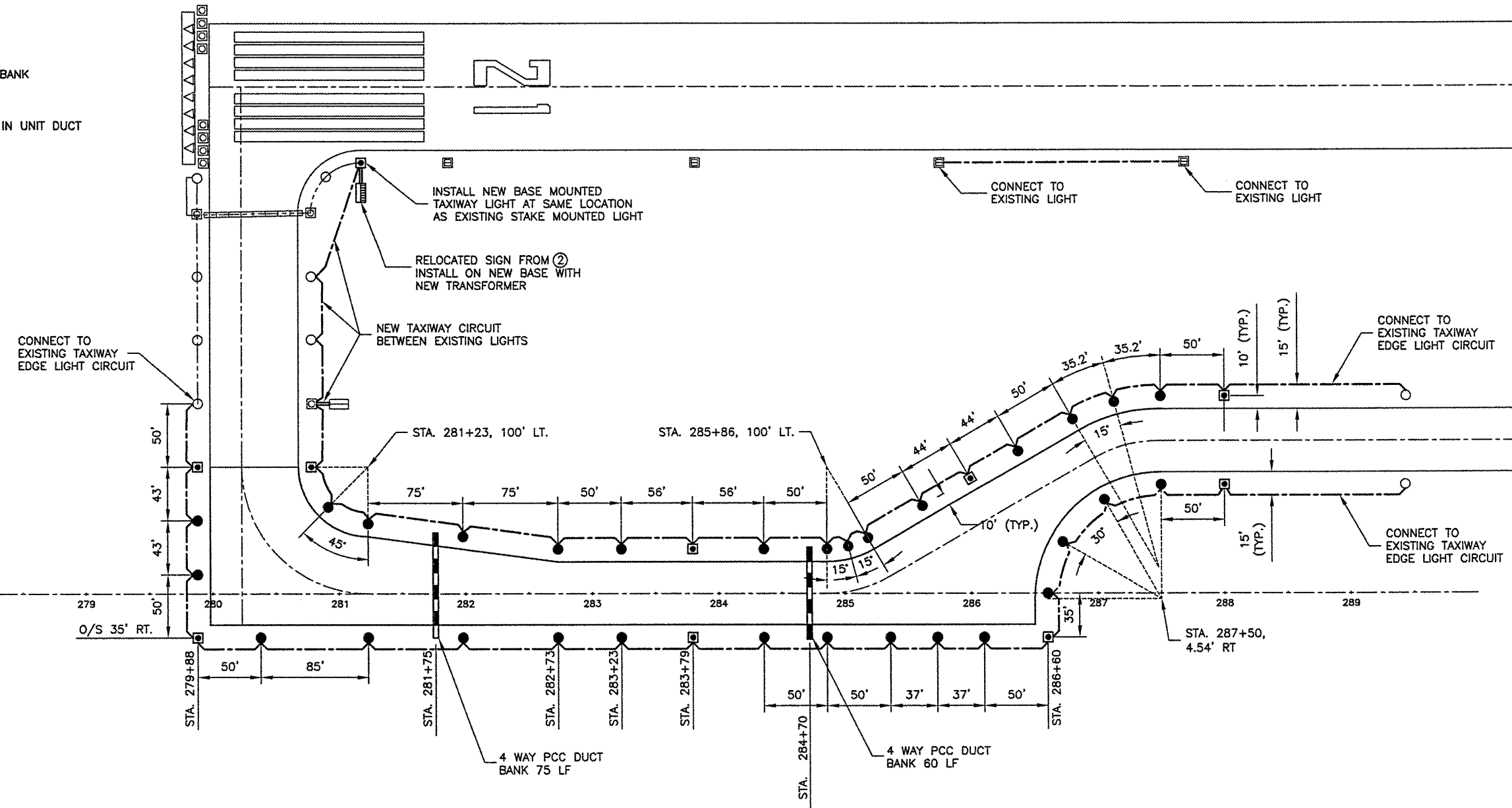
LEGEND

- EXISTING STAKE MOUNTED RUNWAY LIGHT
- EXISTING STAKE MOUNTED TAXIWAY LIGHT
- NEW STAKE MOUNTED TAXIWAY LIGHT
- EXISTING BASE MOUNTED RUNWAY LIGHT
- EXISTING BASE MOUNTED TAXIWAY LIGHT
- NEW BASE MOUNTED TAXIWAY LIGHT
- EXISTING AIRFIELD SIGNAGE
- NEW AIRFIELD SIGNAGE
- RELOCATED AIRFIELD SIGN
- EXISTING SPLICE CAN
- EXISTING DUCT BANK
- NEW 4 WAY P.C.C. DUCT BANK
- EXISTING CABLE
- NEW 1/C #8 5KV CABLE IN UNIT DUCT

REVISIONS

NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).



VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 ELECTRICAL & LIGHTING PLAN

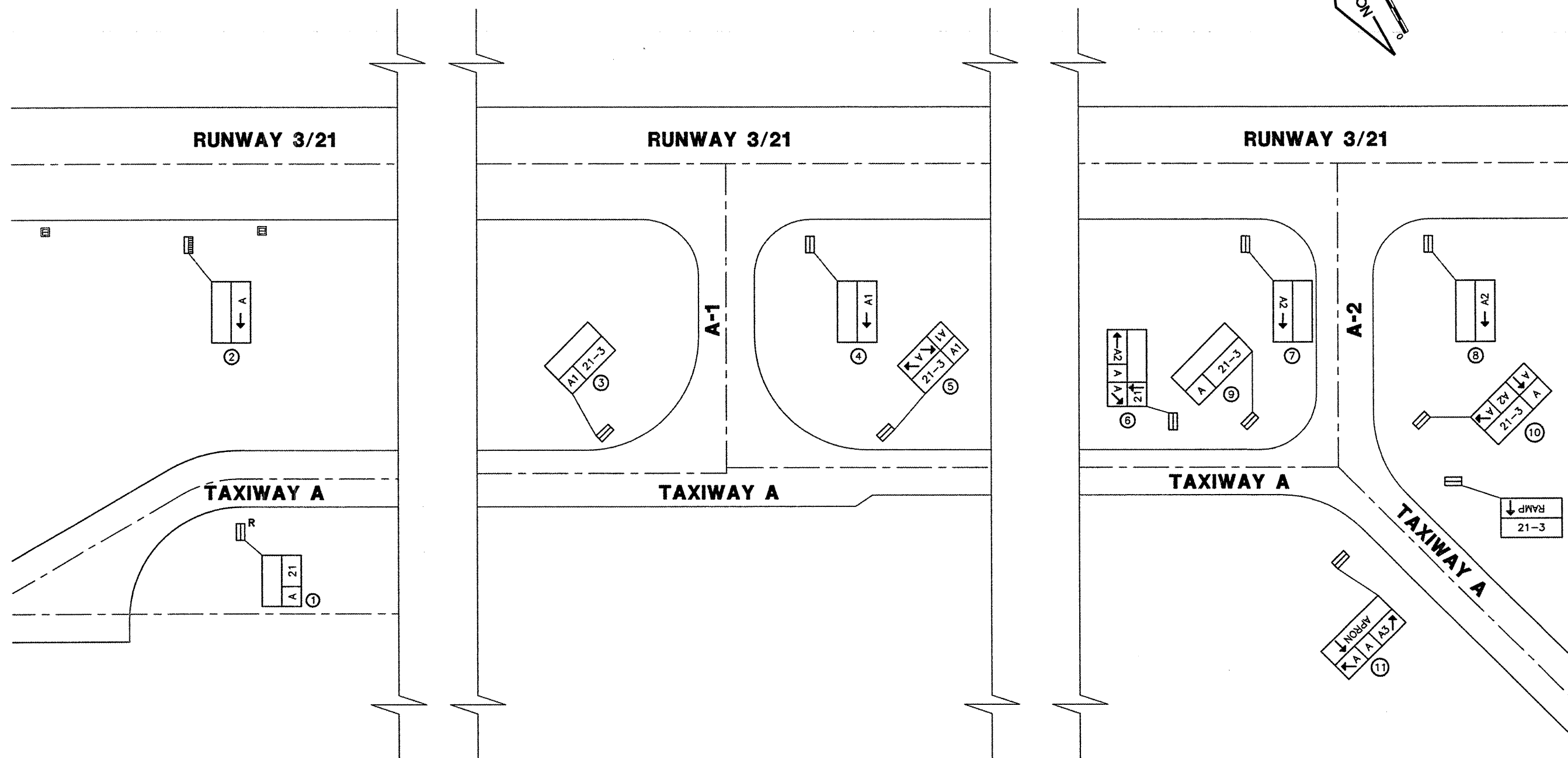
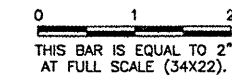
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APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 13 OF 28 SHEETS	

K:\Danville\0504203 Taxiway Extension\Draw\Sheets
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 UPDATE BY: dallen
 SURVEY BOOK #
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 BASE_EXISTTOPO-1.dwg
 BASE_PROPELEC-1.dwg

REVISIONS

NUMBER	BY	DATE
△	SMH	1/2/07



LEGEND

	EXISTING AIRFIELD SIGN
	REMOVE EXISTING AIRFIELD SIGN
	RELOCATED AIRFIELD SIGN
	SIGN NUMBER

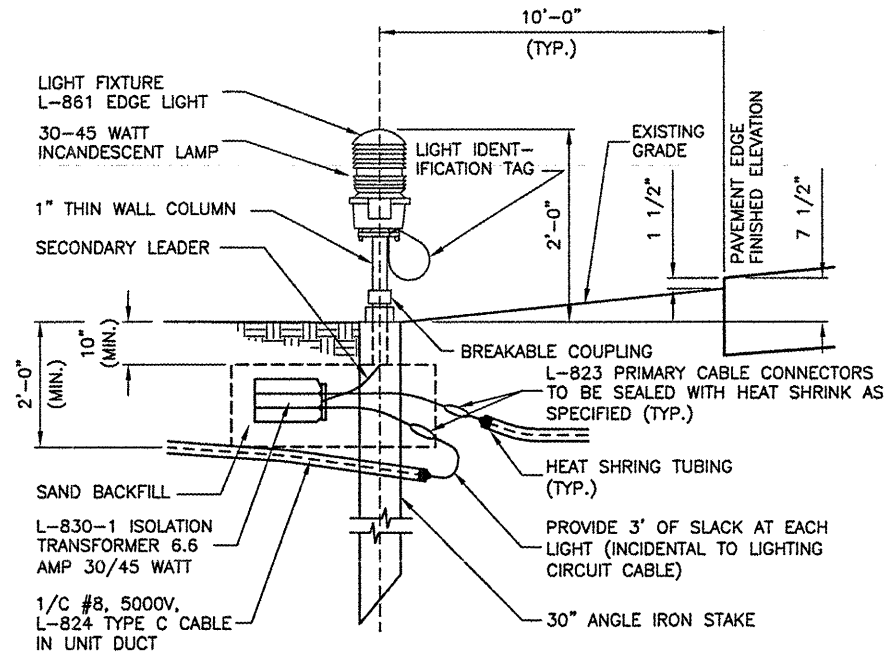
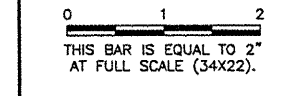
VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 SIGNAGE LAYOUT

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APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	14 OF 26 SHEETS

K:\Denville\0504203 Taxiway Extension\Draw\Sheets
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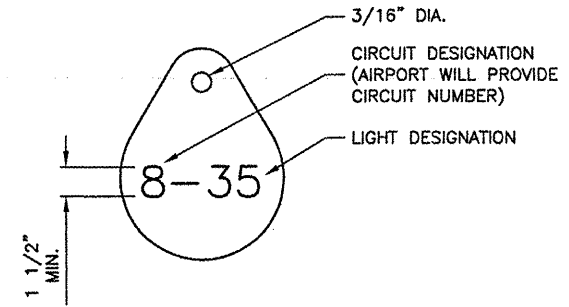
REVISIONS		
NUMBER	BY	DATE



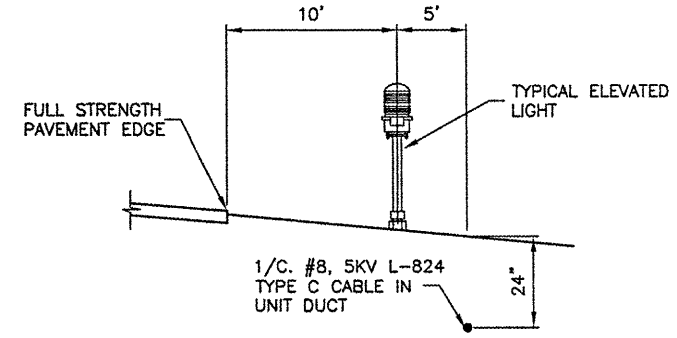
UNIT DUCT SHALL BE TERMINATED AT THE L-823 CONNECTORS AND SEALED WITH HEAT SHRINK AS SPECIFIED.

STAKE MOUNTED MEDIUM INTENSITY MARKER LIGHTS
 N.T.S.

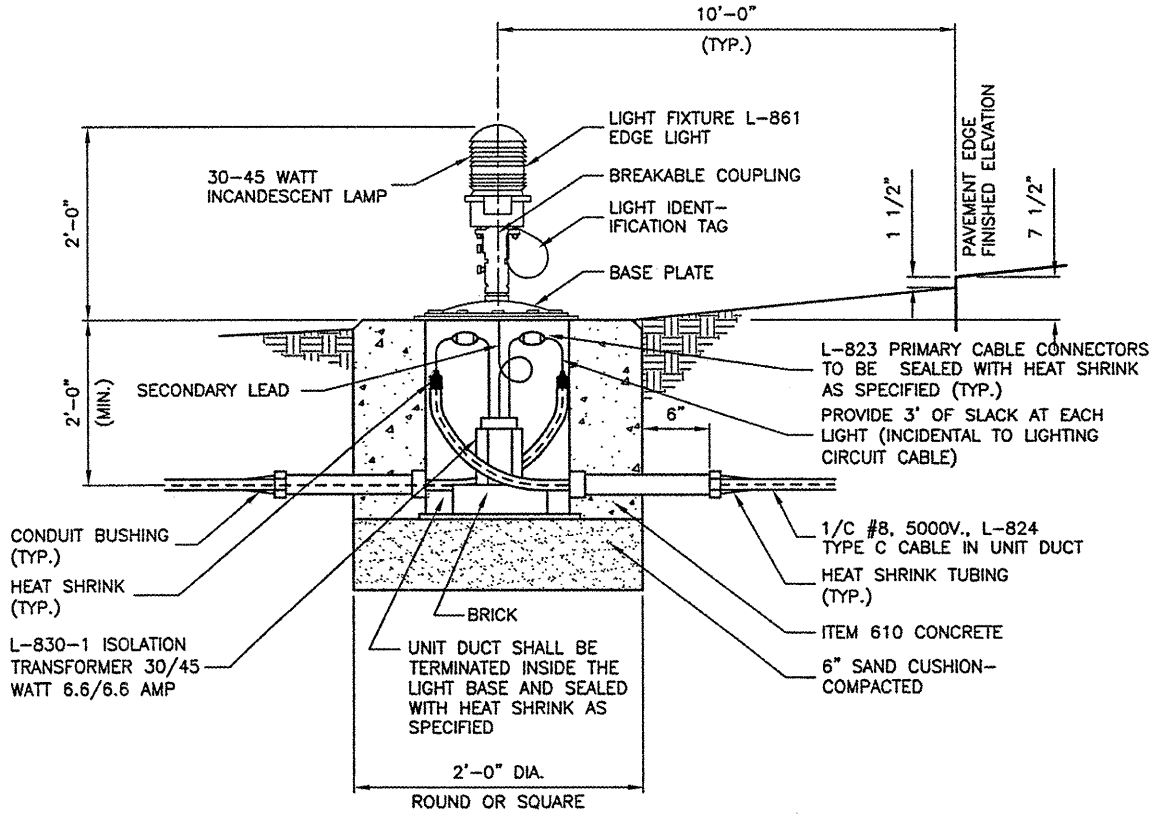
- NOTES**
1. INSTALL A NONCORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH SET SCREW.
 2. LEGENDS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO COORDINATE LEGEND WITH AIRPORT.
 3. THE CONTRACTOR SHALL NUMBER THE EXISTING/PROPOSED LIGHTS AND SIGNS IN EACH CIRCUIT STARTING AT THE HOMERUN CONTINUING AROUND THE ENTIRE CIRCUIT BACK TO THE HOMERUN.
 4. AIRFIELD SIGNS SHALL BE TAGGED & NUMBERED.



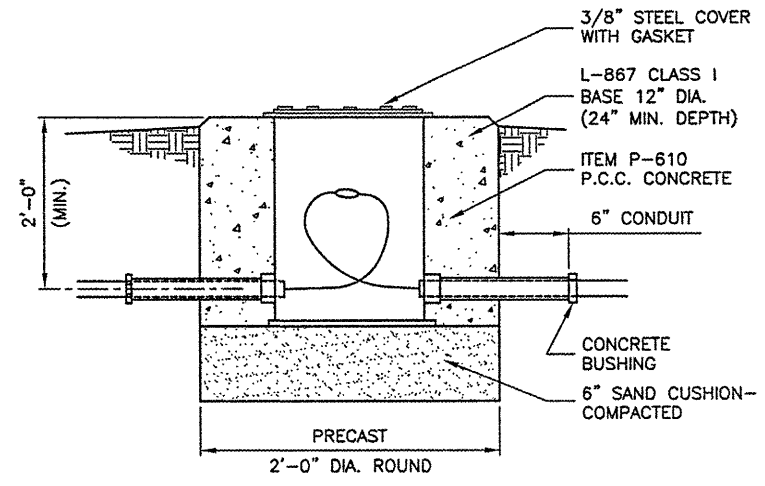
LIGHT IDENTIFICATION DETAIL
 N.T.S.



LIGHT AND CABLE INSTALLATION DETAIL
 N.T.S.



BASE MOUNTED MEDIUM INTENSITY MARKER LIGHTS
 N.T.S.



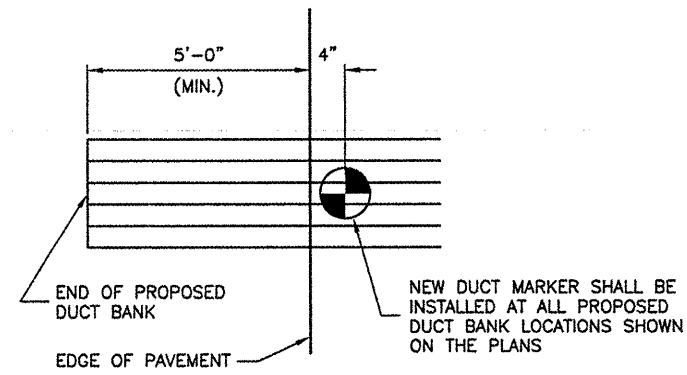
SPLICE CAN DETAIL
 N.T.S.

VERMILION COUNTY AIRPORT
DANVILLE, ILLINOIS
EXTEND PARALLEL TAXIWAY 600 FEET
ELECTRICAL DETAILS SHEET 1

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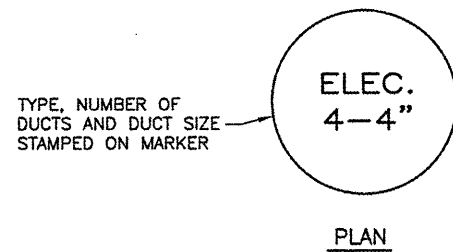
DESIGN BY:	JEF
DRAWN BY:	DPA
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APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-810	
SHEET	15 OF 26 SHEETS

K:\Denville\6504203 Towway Extension\Draw\Sheets
 FILE: 16_ELECDET2.dwg
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 UPDATE BY: dallen
 SURVEY BOOK #
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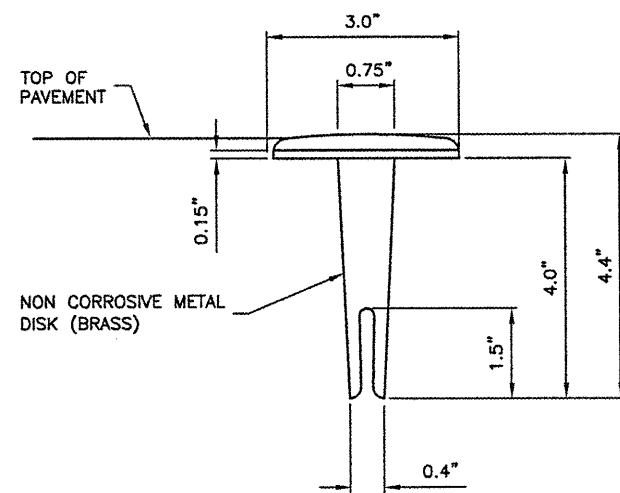
DUCT MARKERS SHALL BE RECESSED AND GROUTED INTO THE PAVEMENTS.

MARKER PLACEMENT



TYPE, NUMBER OF DUCTS AND DUCT SIZE STAMPED ON MARKER

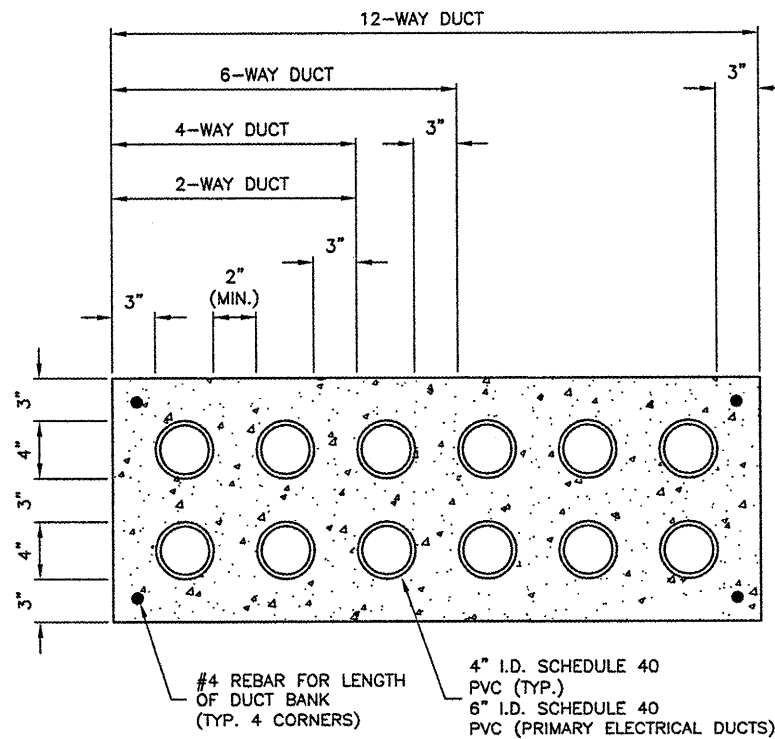
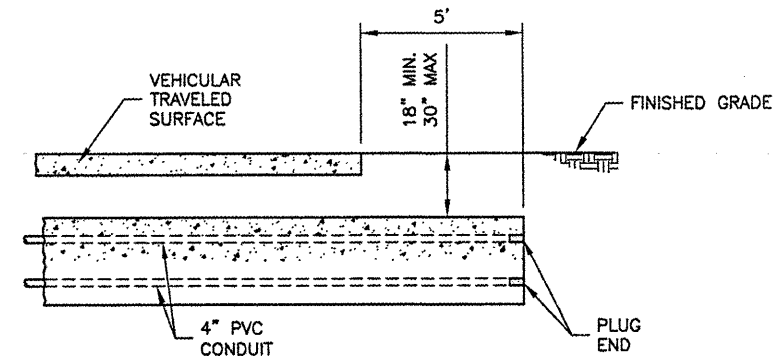
PLAN



SECTION

DUCT MARKER DETAILS

N.T.S.



DUCT BANK DETAILS

N.T.S.

DUCT BANK NOTES

1. DIMENSIONS SHOWN ARE MINIMUM.
2. TOP OF CONCRETE ENCASUREMENT TO BE NOT LESS THAN 18" BELOW FINISHED SUBGRADE.
3. DUCT CONCRETE TO BE ITEM 610 STRUCTURAL P.C.C. CONCRETE.
4. ALL DUCT WILL BE 4" INSIDE DIAMETER.
5. LOCATIONS SHOWN ARE APPROXIMATE. DUCT BANKS TO BE INSTALLED AT LOCATIONS DESIGNATED BY THE ENGINEER.
6. CONTRACTOR WILL INSTALL DUCT BANKS AT A DEPTH WHICH WILL NOT CONFLICT WITH ELEVATION SENSITIVE UTILITIES.
7. A PULL WIRE MUST BE PROVIDED IN EACH UNUSED CONDUIT. UNUSED DUCT MUST BE SEALED WITH PVC PLUGS/CAPS TO THE SATISFACTION OF THE ENGINEER.
8. DUCT BANKS MUST EXTEND A MINIMUM OF 5' BEYOND THE PROPOSED EDGE OF PAVEMENT.

REVISIONS

NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 ELECTRICAL DETAILS SHEET 2

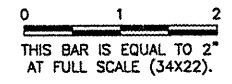
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DESIGN BY: SMS
 DRAWN BY: DPA
 CHECKED BY: JEF
 APPROVED BY: JEF
 DATE: 01/09/2009
 JOB No: 05042-0300
 ILLINOIS PROJECT DNV-3537
 A.I.P. PROJECT 3-17-0032-B10
 SHEET 16 OF 26 SHEETS

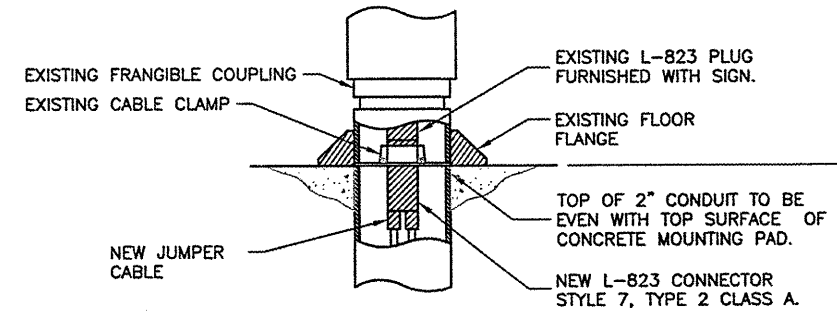
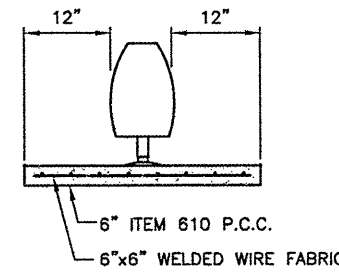
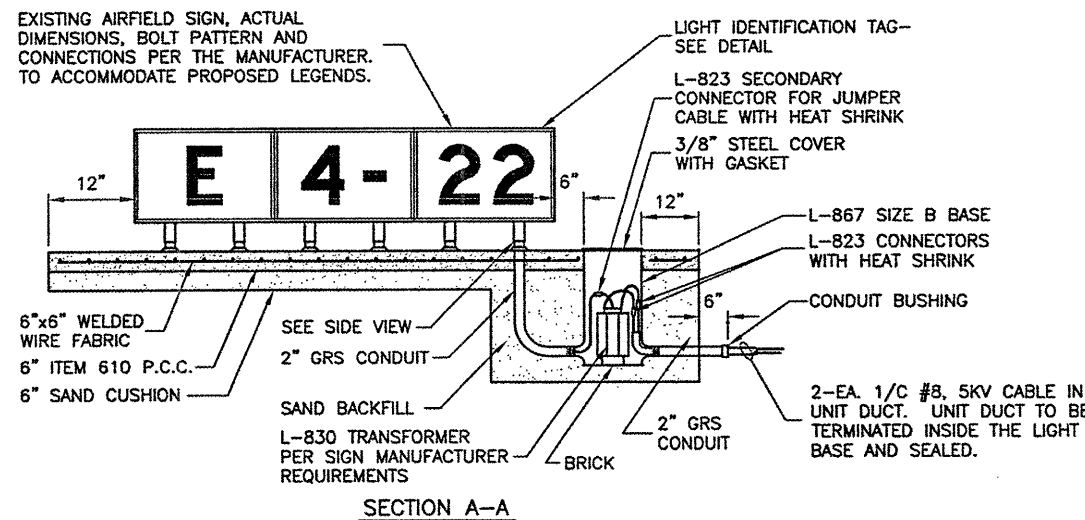
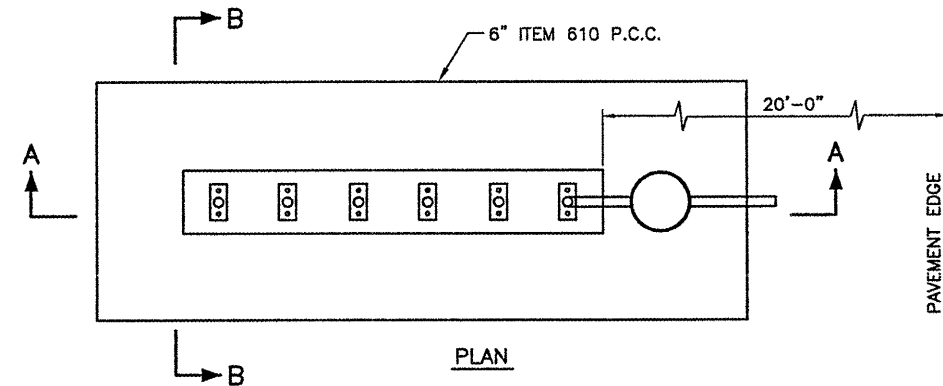
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 SURVEY BOOK #
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 XREF DWG: Clntinfo.dwg

REVISIONS

NUMBER	BY	DATE



SIGN SCHEDULE							
	SIGN NO.	SIDE	NEW SIGN LEGEND	WHITE LEGEND WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	PROPOSED NUMBER OF CHARACTERS
RELOCATED	2	N S	← A		← A		2



ALL MATERIAL TO BE NEW FOR RELOCATED SIGN INSTALLATION. REUSE EXISTING MATERIAL FOR RELOCATED SIGN INSTALLATION.

L-858 AIRFIELD SIGN DETAILS

N.T.S.

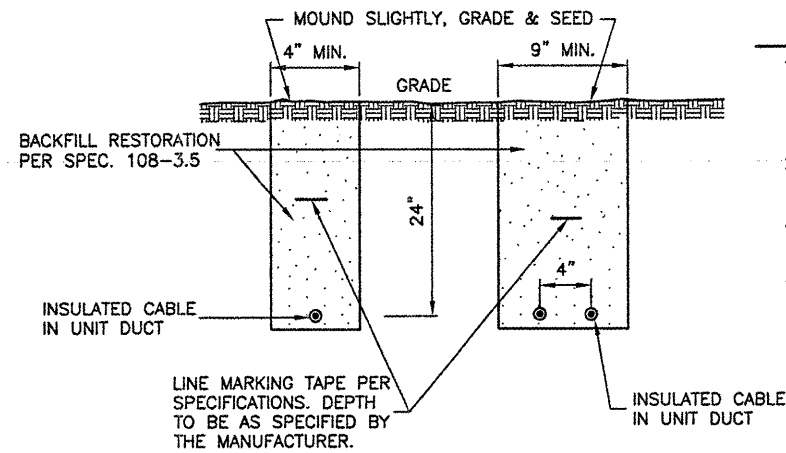
NOTES

1. TRANSFORMER WATTAGE TO BE AS REQUIRED BY SIGN MANUFACTURER.
2. SIGN LEGEND TO BE AS SHOWN IN THE PLANS.
3. SIGNS TO BE SIZE 2 STYLE 2, CLASS 2.
4. RELOCATED SIGN TO INCLUDE NEW PCC BASE, L-867 SIZE B BASE, L-830 TRANSFORMER AS REQUIRED BY EXISTING SIGN, 2" GRS CONDUIT AND ANY OTHER MATERIAL REQUIRED TO MOUNT THE EXISTING SIGN ON THE NEW BASE. THE COSTS FOR FURNISHING AND INSTALLING THESE MATERIALS WILL BE CONSIDERED INCIDENTAL TO THE RELOCATED SIGN.

VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 ELECTRICAL DETAILS SHEET 3

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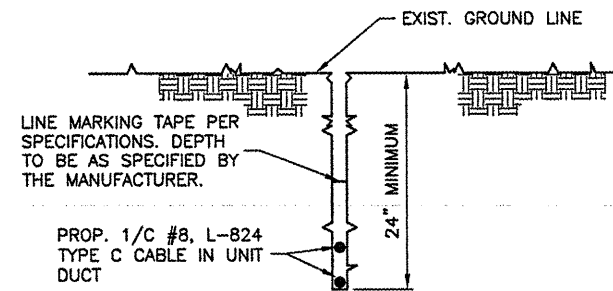
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APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-	3537
A.I.P. PROJECT 3-17-	0032-810
SHEET	17 OF 26 SHEETS



TRENCH DETAIL
N.T.S.

- NOTES**
1. TRENCHES WITH MORE THAN 2 CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE. IF SPECIFIED ON PLANS, TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
 2. DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
 3. SAND BACKFILL SHALL BE USED IF THE EXISTING SOIL DOES NOT MEET THE BACKFILL REQUIREMENTS.
 4. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL TO ITEM 108.

NOTE: AT CONTRACTOR'S OPTION, CABLE PLOWING MAY BE USED IN LIEU OF TRENCHING

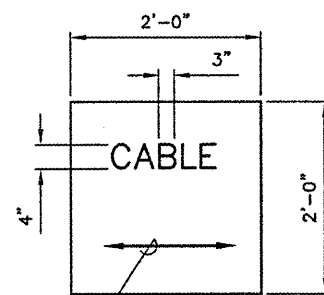
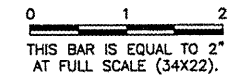


NOTE: WHERE TWO UNIT DUCTS ARE TO BE INSTALLED, CONTRACTOR MAY PLOW UNIT DUCTS SEPERATELY (SIDE BY SIDE)

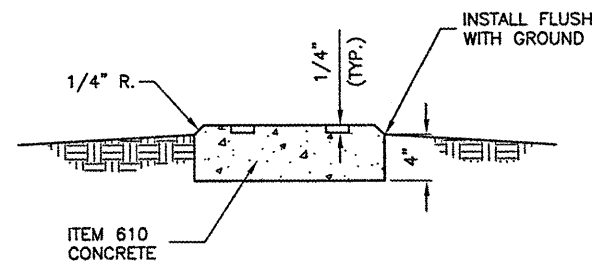
CABLE IN UNIT-DUCT - PLOWED
N.T.S.

REVISIONS

NUMBER	BY	DATE



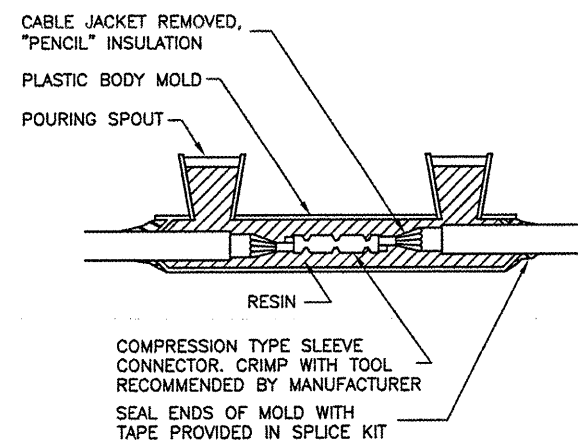
ARROW TO INDICATE THE DIRECTION OF THE CABLE RUN



TURF CABLE / SPLICE MARKER
N.T.S.

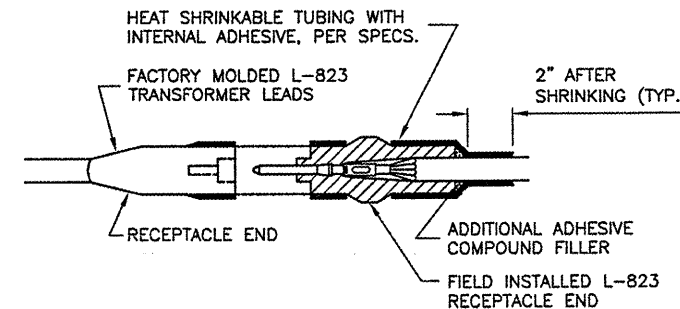
NOTES

1. CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE HOMERUN.
2. ITEM 610 CONCRETE SHALL BE USED.
3. ALL EXPOSED EDGES SHALL BE EDGED WITH A 1/4" RADIUS TOOL.
4. THE COST OF FURNISHING AND INSTALLING NEW MARKERS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS.
5. 0.049 CU. YD. CONCRETE PER MARKER.
6. A MARKER CONFORMING TO THIS DETAIL MARKED "SPLICE" SHALL BE INSTALLED AT ALL SPLICE LOCATIONS NOT IN LIGHT CANS OR MANHOLES.



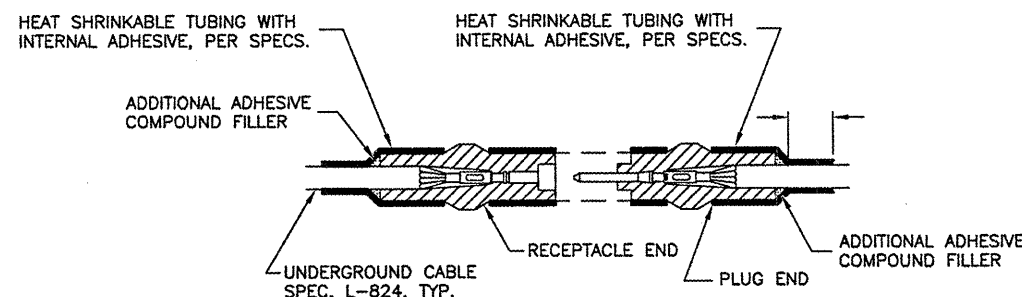
FOR IN-LINE CONNECTIONS OF EXISTING CABLES CUT DURING CONSTRUCTIONS.

TYPE A



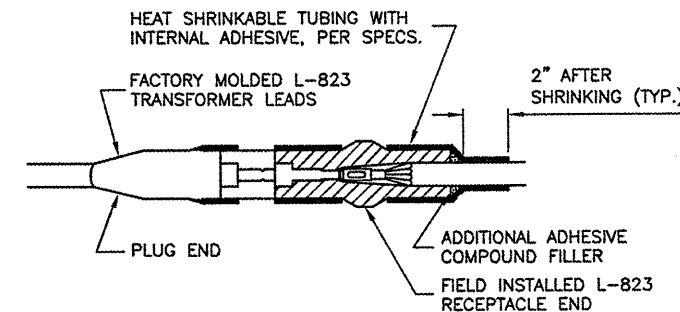
FOR SPLICES AT TAXIWAY LIGHTS AND SIGNS.

TYPE C



NOT TO BE USED IN THIS PROJECT UNLESS OTHERWISE DIRECTED BY ENGINEER

TYPE B



FOR SPLICES AT TAXIWAY LIGHTS AND SIGNS.

TYPE D

CABLE SPLICES
N.T.S.

NOTES

1. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.
2. THE COST OF FURNISHING AND INSTALLING ALL SPLICE MATERIALS SHALL BE INCIDENTAL TO THE ASSOCIATED CABLE ITEMS.
3. THE CONTRACTOR SHALL HAVE A MINIMUM OF TWO (2) TYPE A SPLICE KITS ON THE JOB SITE AT ALL TIMES FOR EMERGENCY REPAIRS.

VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 ELECTRICAL DETAILS SHEET 4

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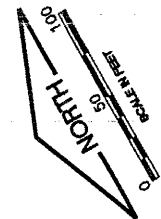
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 18 OF 26 SHEETS	

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REVISIONS

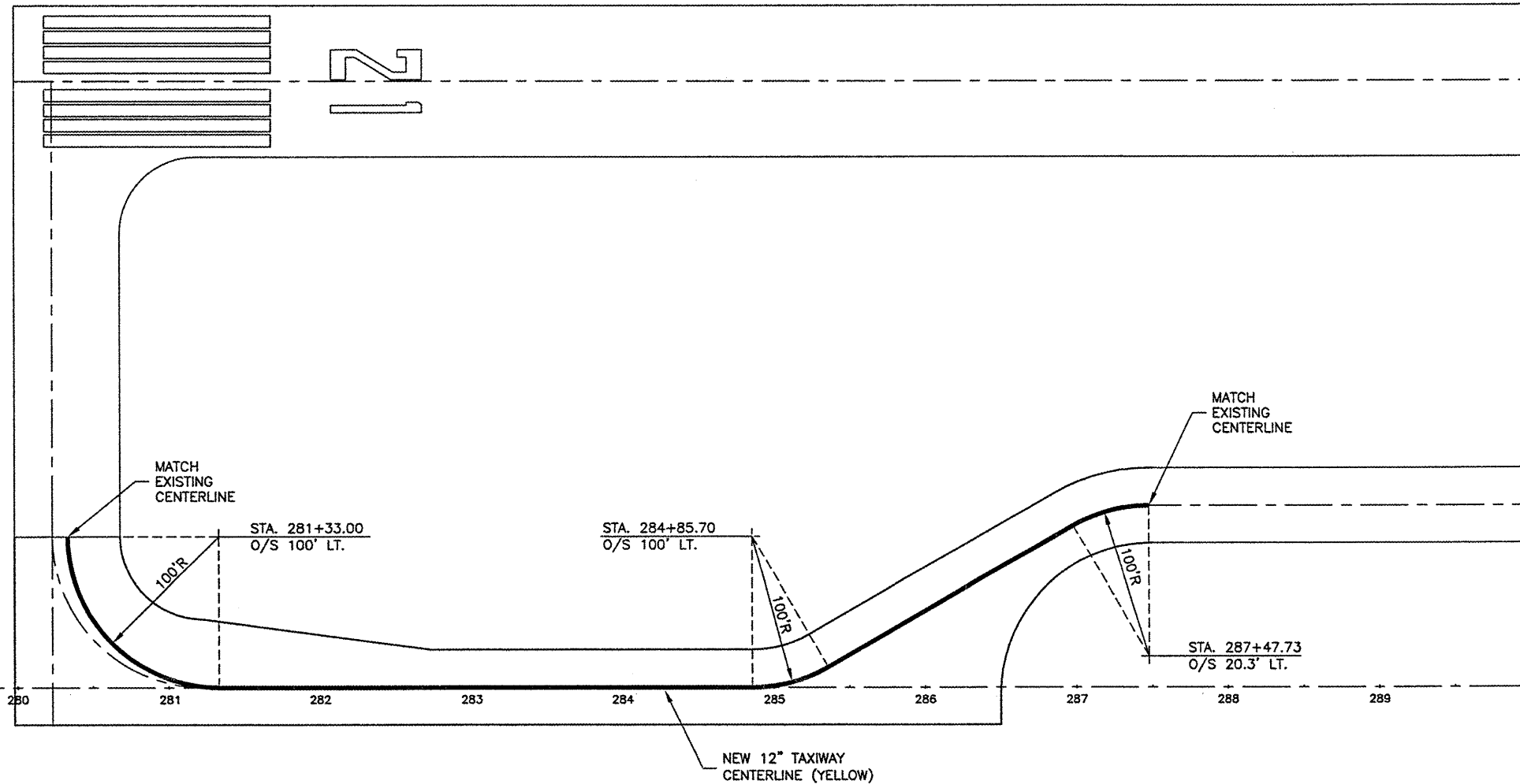
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).



SINGLE REFLECTIVE
 YELLOW LINE
 12" WIDE

TAXIWAY CENTERLINE MARKING
 (CONTINUOUS)
 N.T.S.



VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS

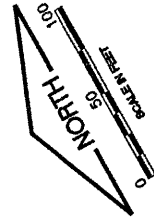
EXTEND PARALLEL TAXIWAY 600 FEET
 MARKING PLAN

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 CHECKED BY: JEF
 APPROVED BY: JEF
 DATE: 01/09/2009
 JOB No: 05042-0300
 ILLINOIS PROJECT DNV-3537
 A.I.P. PROJECT 3-17-0032-B10
 SHEET 19 OF 26 SHEETS

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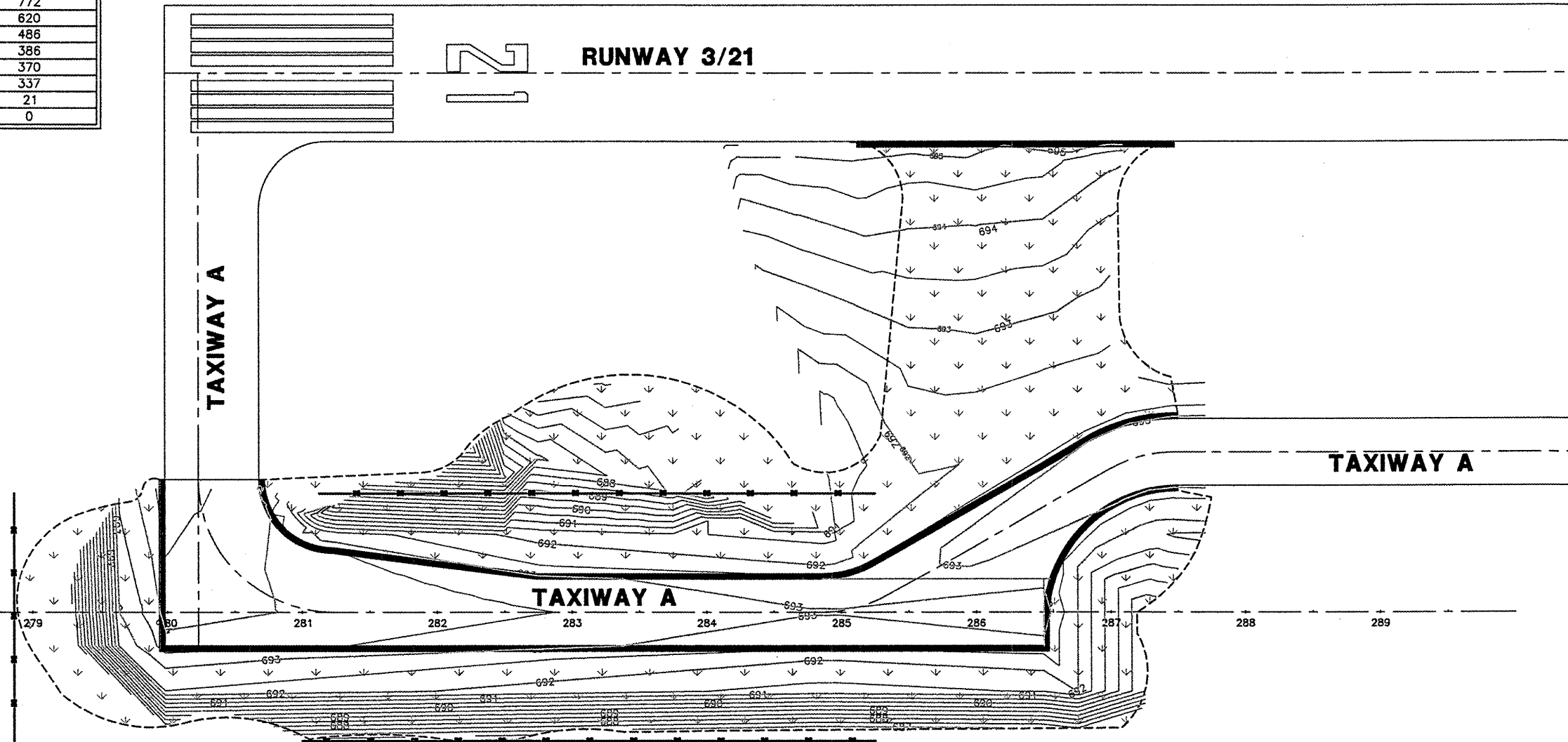
SUMMARY OF EARTHWORK		
STATION	CUT [SF]	FILL [SF]
279+00	0	0
279+50	0	434
280+00	65	267
280+50	92	79
281+00	0	718
281+50	0	1,262
282+00	0	1,249
282+50	0	2,066
283+00	0	1,260
283+30	0	963
283+50	0	889
284+00	0	772
284+50	0	620
285+00	0	486
285+50	18	386
286+00	126	370
286+50	250	337
287+00	173	21
287+50	0	0



- LEGEND**
- NEW SILT FENCE
 - NEW SEEDING & MULCHING
 - NEW SODDING 4'
 - NEW CONTOURS

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2'
 AT FULL SCALE (34X22).



VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 TURFING PLAN

NOTES:

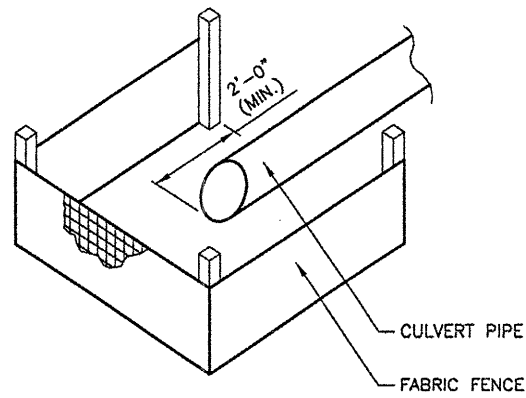
1. FINAL LOCATION OF SILT FENCE TO BE DETERMINED BY RESIDENT ENGINEER.
2. 5000 S.Y. OF EXCELSIOR BLANKET INCLUDED IN PROJECT FOR USE IN AREAS DETERMINED BY THE RESIDENT ENGINEER.
3. NEW MANHOLE, INLET AND EXISTING/RELOCATED FES TO BE PROTECTED FROM WATERBORNE SILTS UNTIL NEW TURF IS ESTABLISHED. SEE INLET PROTECTION DETAIL ON EROSION CONTROL DETAILS SHEET.
4. NEW SOD, 4' WIDE, WILL BE PLACED ALONG THE EDGE OF THE NEW PAVEMENT AND ALONG THE EDGE OF EXISTING PAVEMENTS WHERE THE EXISTING TURF HAS BEEN DISTURBED. SOD WIDER THAN 4' IN WIDTH WILL BE SUBJECT TO NON-PAYMENT UNLESS ORDERED BY THE RESIDENT ENGINEER.

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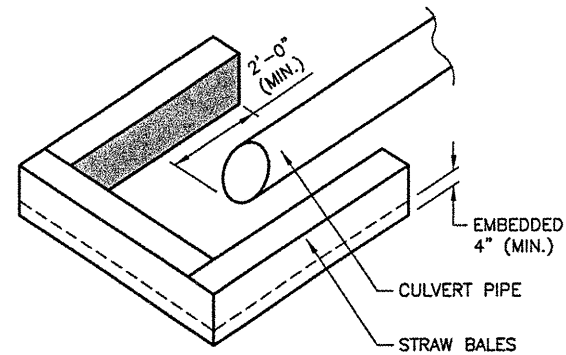


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APPROVED BY:	JEF
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JOB No:	05042-0300
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A.I.P. PROJECT 3-17-0032-810	
SHEET 20 OF 26 SHEETS	

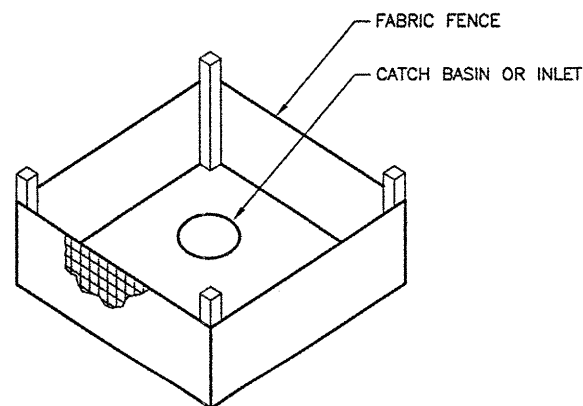
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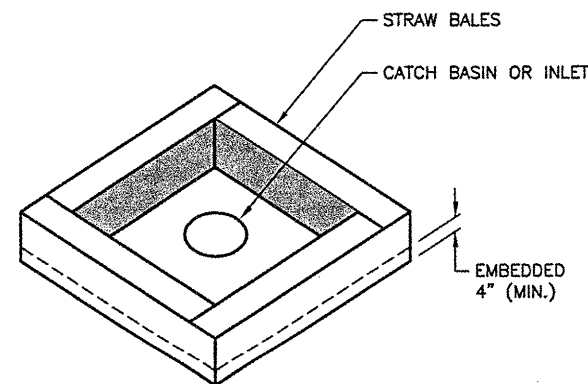
CULVERT PROTECTION WITH FABRIC
 N.T.S.



CULVERT PROTECTION WITH STRAW BALES
 N.T.S.



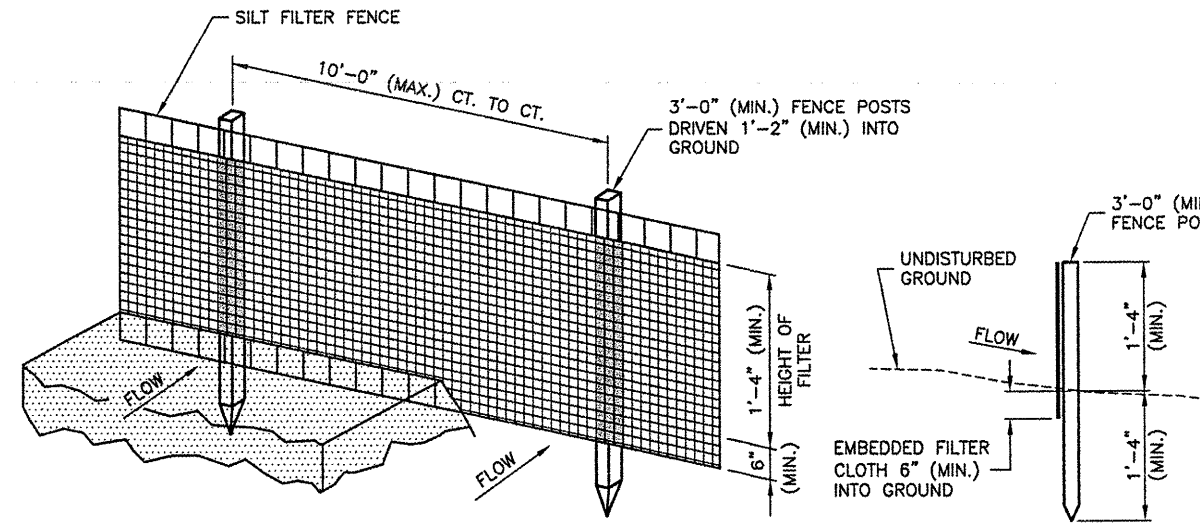
INLET PROTECTION WITH FABRIC
 N.T.S.



INLET PROTECTION WITH STRAW BALES
 N.T.S.

INLET PROTECTION NOTES

1. IF SILT FENCE IS USED FOR INLET PROTECTION, THE FENCE CONSTRUCTION MUST CONFORM TO THE EROSION CONTROL FABRIC FENCE DETAIL ON THIS SHEET.
2. INLET PROTECTION USED AROUND FLARED END SECTIONS OR CULVERTS WILL ONLY REQUIRE 3 SIDES AND WILL BE PAID FOR AS INLET PROTECTION.



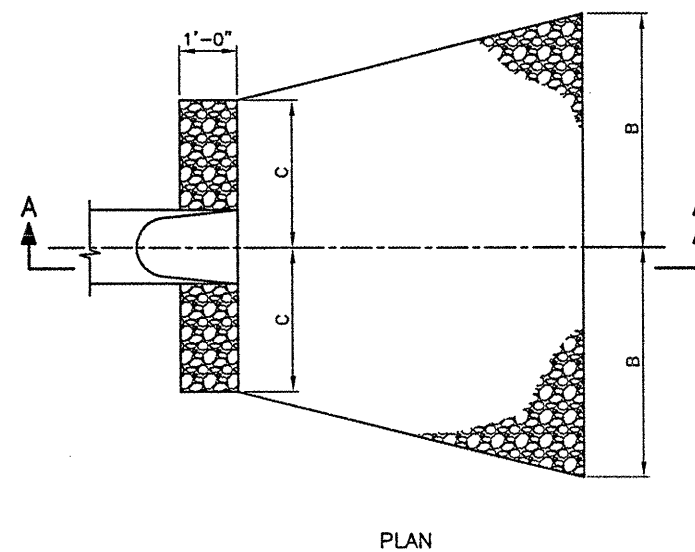
PERSPECTIVE VIEW

SECTION

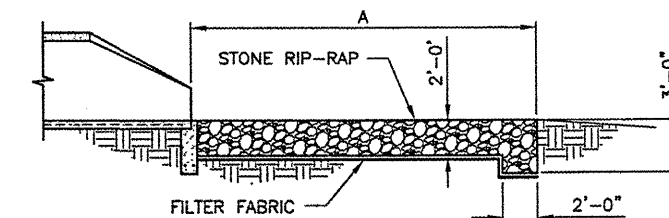
EROSION CONTROL FABRIC FENCE DETAIL
 N.T.S.

EROSION CONTROL FABRIC FENCE NOTES

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 2'-0" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY MUST BE OVERLAPPED BY 6" MINIMUM AND FOLDED.
4. MAINTENANCE MUST BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. MAINTENANCE, WHICH INCLUDES THE REPLACEMENT OF DAMAGED FENCE WILL BE CONSIDERED INCIDENTAL TO THE COST OF THE EROSION CONTROL FENCE.



PLAN



SECTION A-A

DIMENSIONS - TABLE 1

INSIDE DIAMETER STORM SEWER (IN.)	INLET DIMENSION (FT.)		
	A	B	C
72"	26	16	7

THE ENGINEER WILL DETERMINE THE FINAL RIP-RAP CONFIGURATION IN THE FIELD.

RIP-RAP DETAILS
 N.T.S.

REVISIONS

NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 EROSION CONTROL DETAILS

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 DRAWN BY: DPA
 CHECKED BY: JEF
 APPROVED BY: JEF
 DATE: 01/09/2009
 JOB No: 05042-0300
 ILLINOIS PROJECT DNV-3537
 A.I.P. PROJECT 3-17-0032-B10
 SHEET 21 OF 26 SHEETS

ITEM 3A

VE044

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REVISIONS

NUMBER	BY	DATE

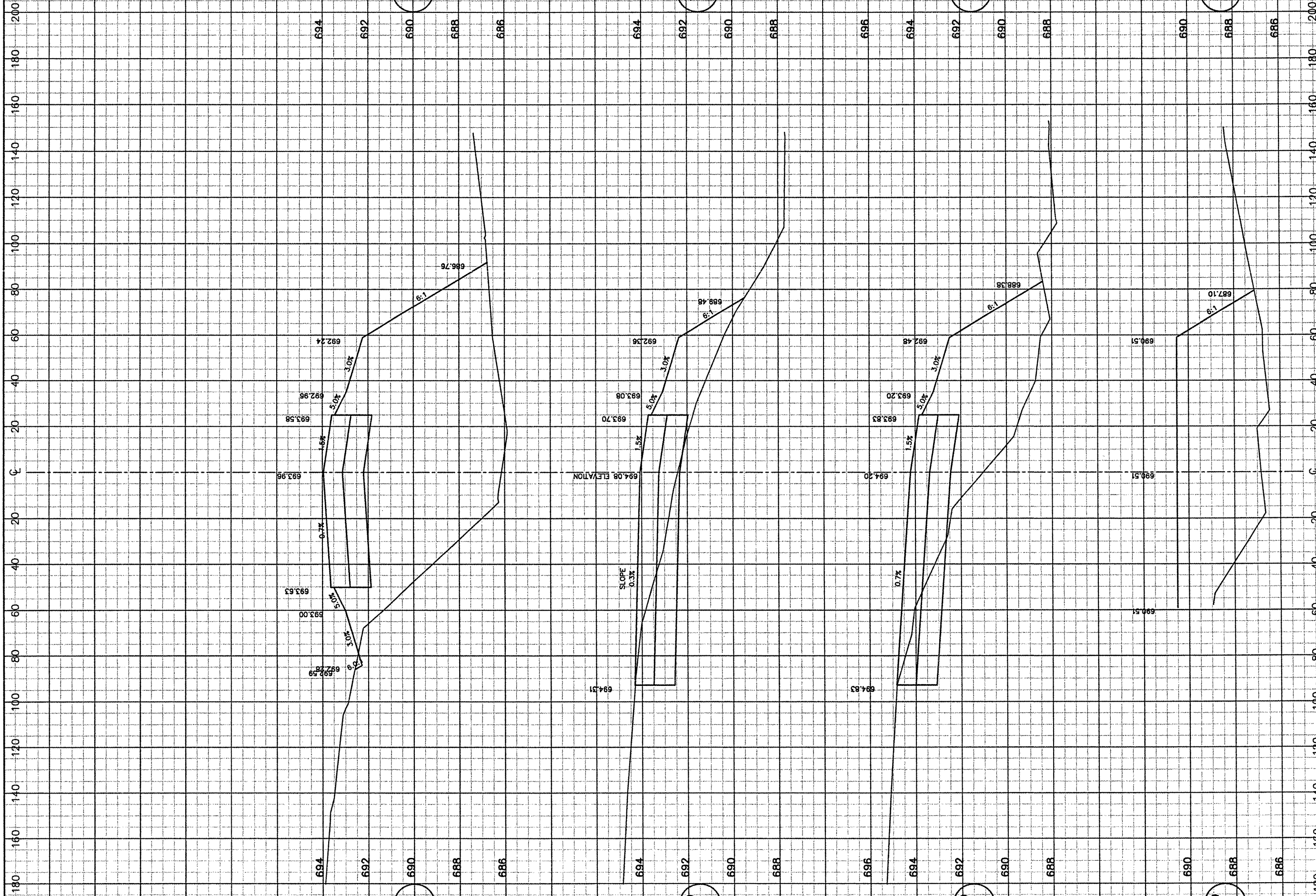
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 THIS BAR IS EQUAL TO 2'
 AT FULL SCALE (34X22).

VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET
 TAXIWAY CROSS SECTIONS
 STA. 279+50 TO STA. 281+00

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CHECKED BY:	JEF
APPROVED BY:	JEF
DATE:	01/09/2009
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	22 OF 26 SHEETS



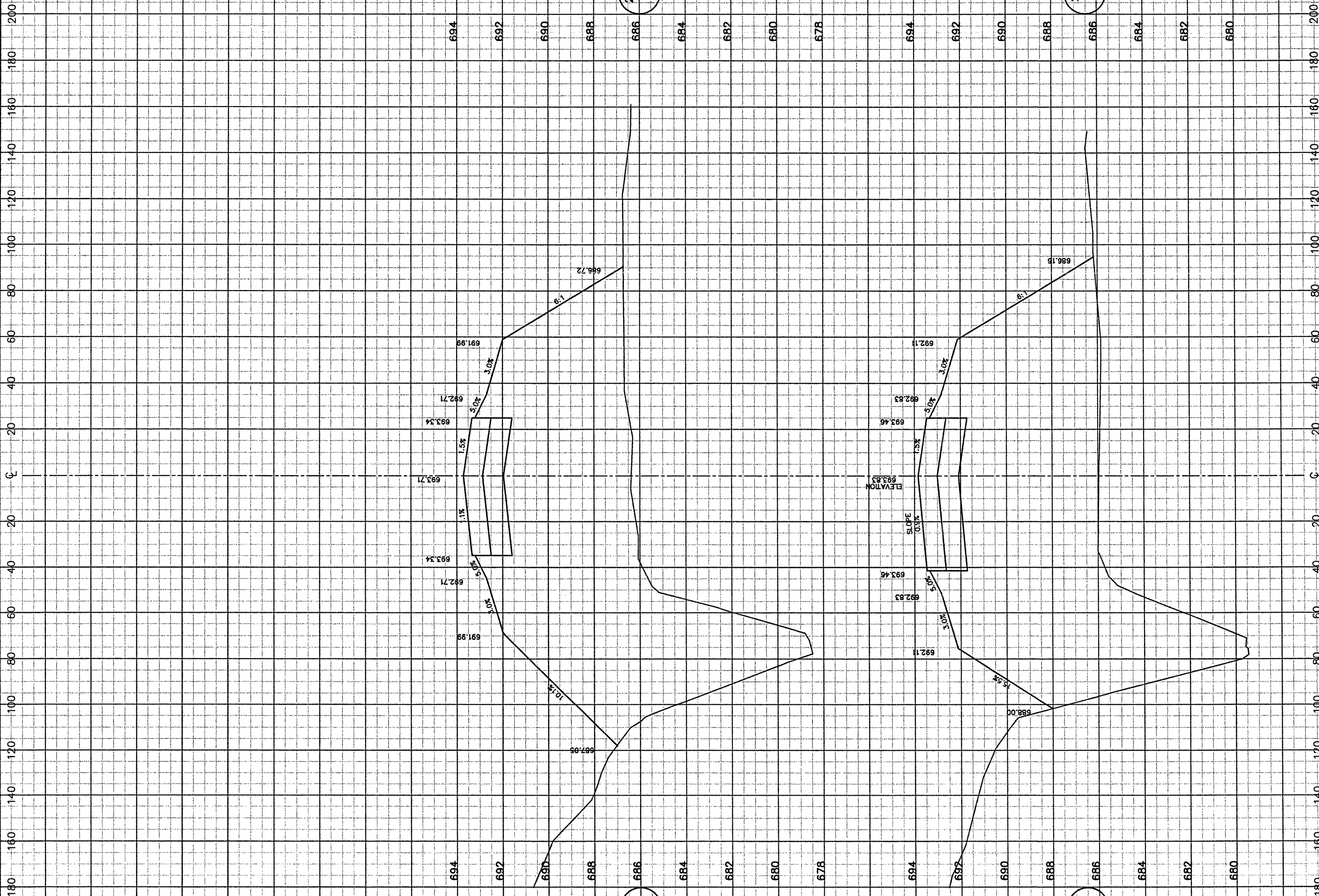
ITEM 3A

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REVISIONS		
NUMBER	BY	DATE

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 AT FULL SCALE (34X22).



VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 TAXIWAY A CROSS SECTIONS
 STA. 281+50 TO STA. 282+00

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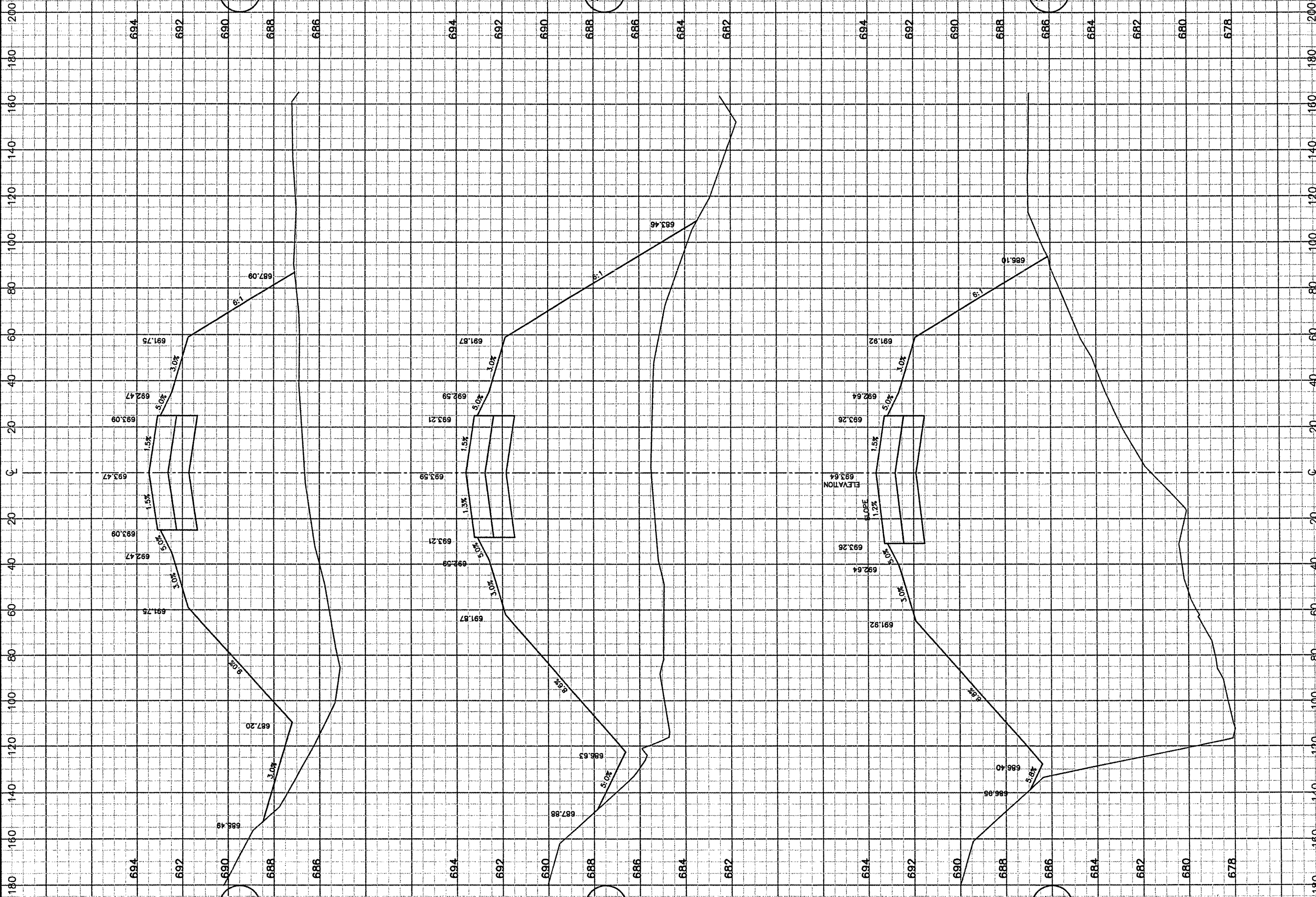
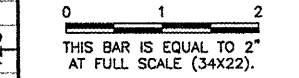
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ILLINOIS PROJECT DNV--3537	
A.I.P. PROJECT 3-17-0032-810	
SHEET	23 OF 26 SHEETS

ITEM 3A

VE044

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REVISIONS		
NUMBER	BY	DATE



VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 TAXIWAY A CROSS SECTIONS
 STA. 282+50 TO STA. 283+00

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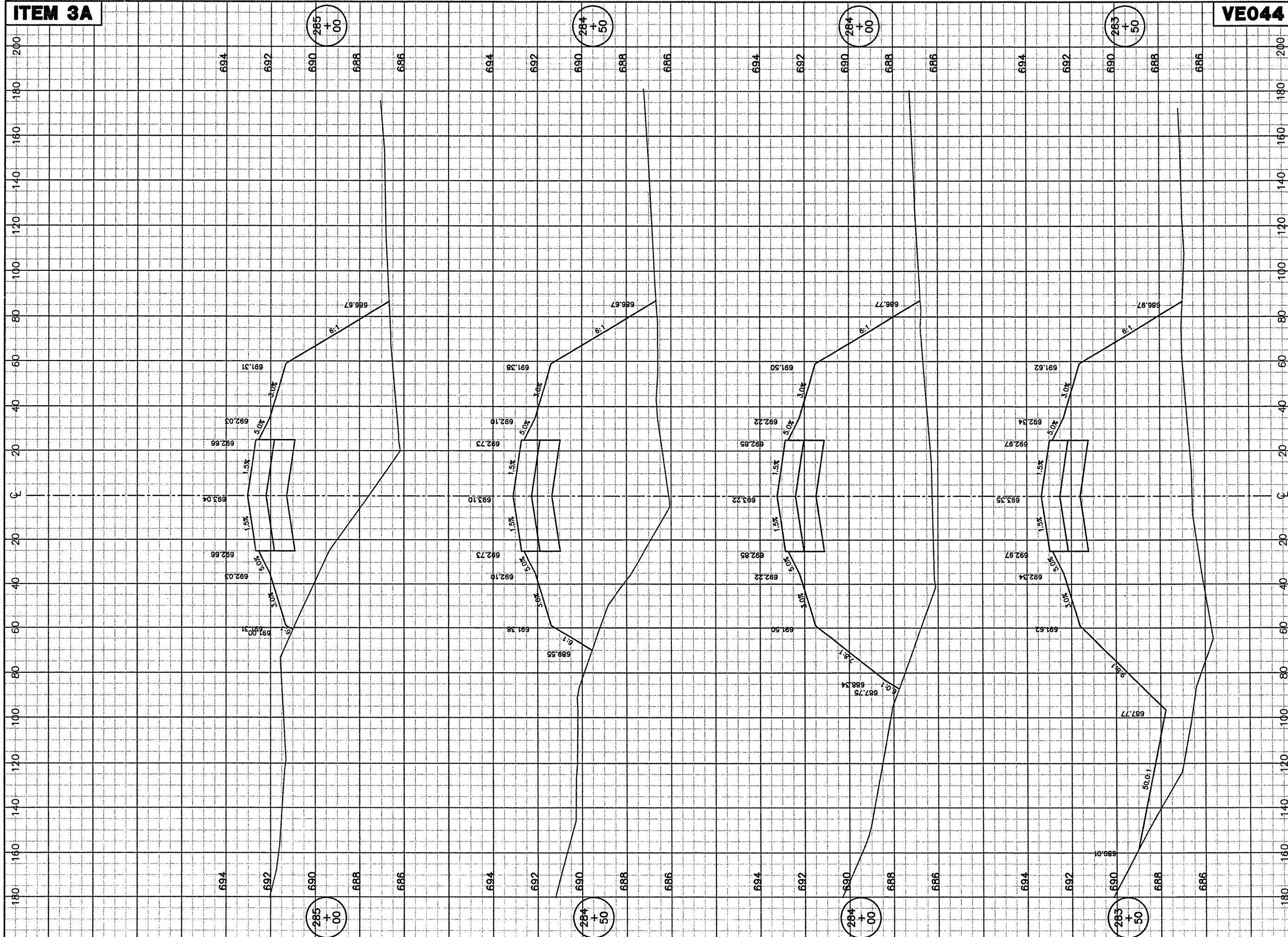
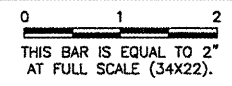
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	24 OF 26 SHEETS

ITEM 3A

VE044

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REVISIONS		
NUMBER	BY	DATE



VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 TAXIWAY A CROSS SECTIONS
 STA. 283+50 TO STA. 285+00

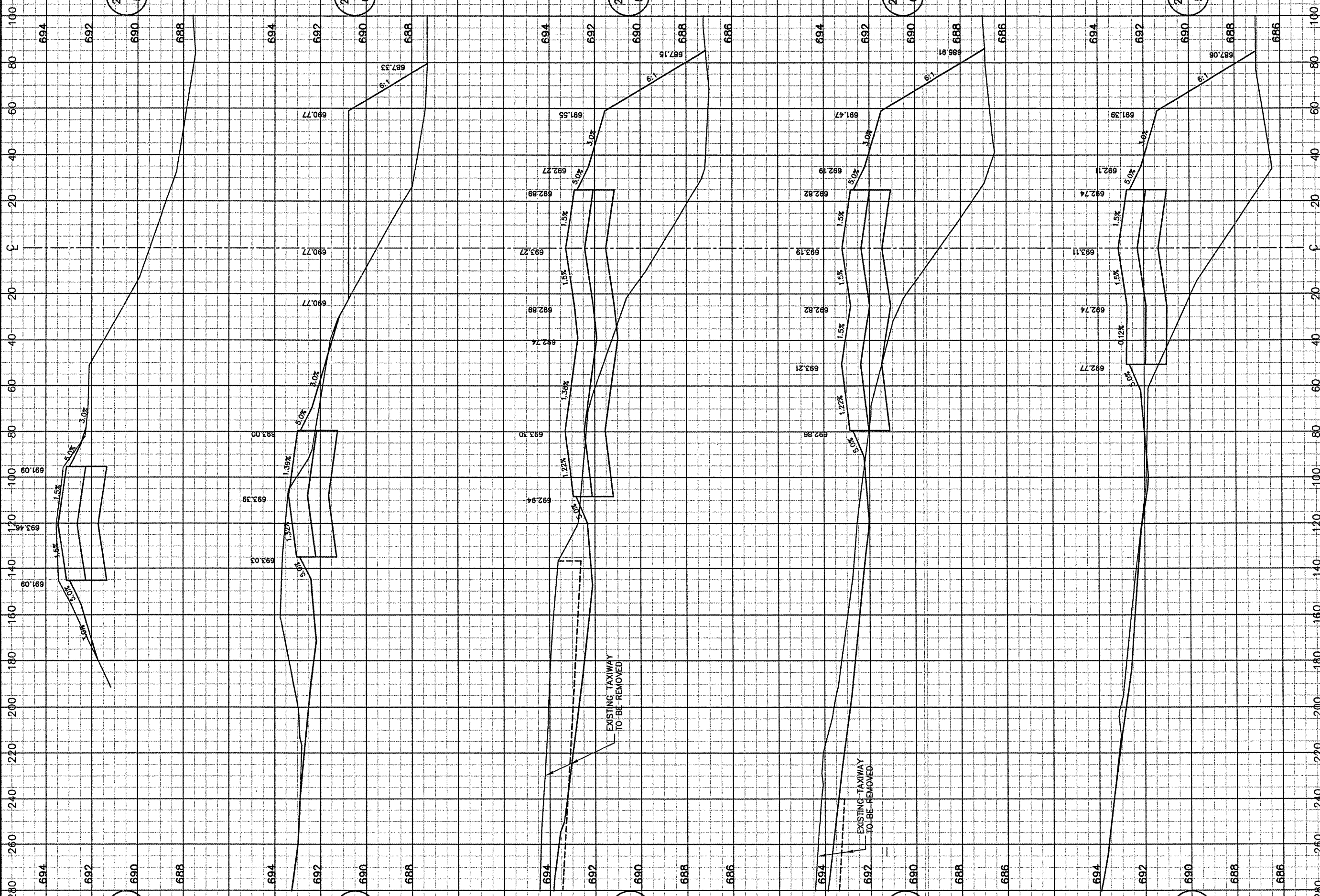
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DATE:	01/09/2009
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	25 OF 26 SHEETS

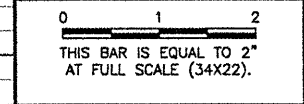
ITEM 3A

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REVISIONS		
NUMBER	BY	DATE



VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET

TAXIWAY A CROSS SECTIONS
STA. 285+50 TO STA. 287+00

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CHECKED BY:	JEF
APPROVED BY:	JEF
DATE:	01/09/2009
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	26 OF 26 SHEETS