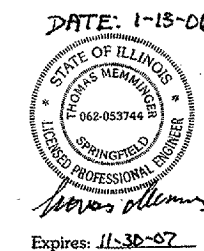


CONSTRUCTION PLANS FOR VERMILLION COUNTY AIRPORT

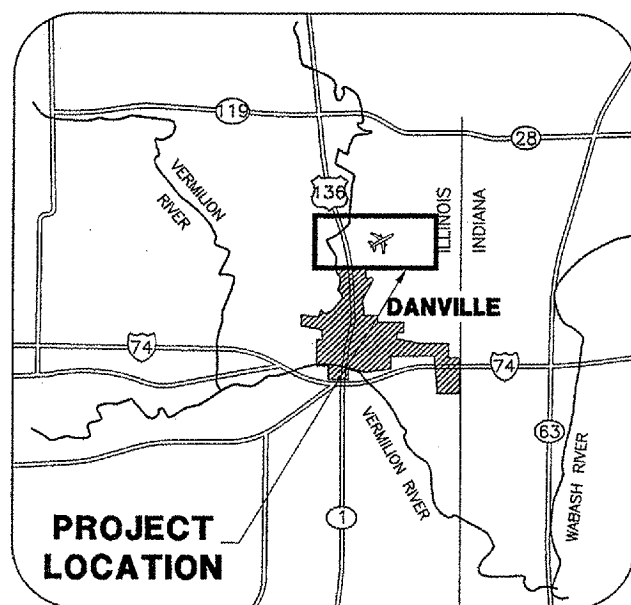
VERMILLION COUNTY AIRPORT AUTHORITY
DANVILLE, ILLINOIS

ILLINOIS PROJECT DNV-3537
A. I. P. PROJECT 3-17-0032-B10

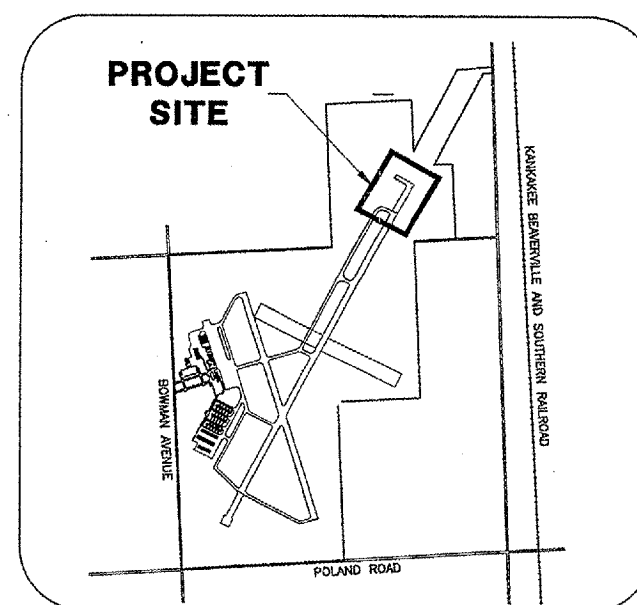
EXTEND PARALLEL TAXIWAY 600 FEET



JANUARY 13, 2006



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 *[Signature]*
EXECUTIVE DIRECTOR OF AVIATION

DATE 1-5-06

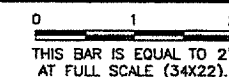
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CONSULTING ENGINEERS
■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO

SUBMITTED BY *[Signature]*
DATE 1-13-06

CMT JOB NUMBER 05042-03-00

REVISIONS

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 ACTIVITY 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	DRAINAGE DETAILS 2
12	UNDERDRAIN DETAILS
13	MANHOLE & INLET DETAILS
14	ELECTRICAL & LIGHTING PLAN
15	SIGNAGE LAYOUT
16	ELECTRICAL DETAILS SHEET 1
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18	ELECTRICAL DETAILS SHEET 3
19	ELECTRICAL DETAILS SHEET 4
20	VAULT DETAILS
21	MARKING PLAN
22	MARKING DETAILS
23	TURFING PLAN
24	EROSION CONTROL DETAILS
25	TAXIWAY A CROSS SECTIONS STA. 279+50 to STA. 281+00
26	TAXIWAY A CROSS SECTIONS STA. 281+50 to STA. 282+00
27	TAXIWAY A CROSS SECTIONS STA. 282+30 to STA. 283+00
28	TAXIWAY A CROSS SECTIONS STA. 283+50 to STA. 285+00
29	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	2300
AR109331	15KW REGULATOR, STYLE 1	EA	1
AR109903	REMOVE REGULATOR	EA	1
AR110504	4-WAY CONCRETE ENCASED DUCT	LF	150
AR125410	MITL-STAKE MOUNTED	EA	24
AR125415	MITL-BASE MOUNTED	EA	8
AR125443	TAXI GUIDANCE SIGN, 3 CHARACTER	EA	3
AR125449	TAXI GUIDANCE SIGN, 9 CHARACTER	EA	1
AR125470	MODIFY EXISTING SIGN PANEL	EA	8
AR125901	REMOVE STAKE MOUNTED LIGHT	EA	6
AR125902	REMOVE BASE MOUNTED LIGHT	EA	1
AR125904	REMOVE TAXIWAY GUIDANCE SIGN	EA	2
AR125906	REMOVE SPLICE CAN	EA	1
AR150510	ENGINEER'S FIELD OFFICE	LS	1
AR152455	EMBANKMENT IN PLACE	CY	25000
AR155540	BY-PRODUCT LIME	TON	170
AR155612	SOIL PROCESSING - 12"	SY	6675
AR156510	SILT FENCE	LF	1000
AR156544	RIPRAP-GRADATION NO 4	SY	70
AR201506	BITUMINOUS BASE COURSE - 6"	SY	6500
AR209611	CRUSHED AGG. BASE COURSE 11"	SY	6675
AR401504	BITUMINOUS SURFACE COURSE - 4"	SY	6500
AR602510	BITUMINOUS PRIME COAT	GAL	1750
AR603510	BITUMINOUS TACK COAT	GAL	2730
AR620520	PAVEMENT MARKING WATER BORNE	SF	900
AR701560	60" RCP, CLASS IV	LF	100
AR701572	72" RCP, CLASS IV	LF	230
AR705524	4" PERFORATED UNDERDRAIN W/SOCK	LF	1860
AR705635	UNDERDRAIN COLLECTION STRUCTURE	EA	4
AR705620	UNDERDRAIN END SECTION	EA	1
AR705640	UNDERDRAIN CLEANOUT	EA	6
AR751410	INLET	EA	1
AR751530	MANHOLE	EA	1
AR752960	RELOCATE END SECTION	EA	1
AR901510	SEEDING	AC	2.5
AR904510	SODDING	SY	800
AR908510	MULCHING	AC	2.5
AR908520	EXCELSIOR BLANKET	SY	5000

VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET
 INDEX TO SHEETS &
 SUMMARY OF QUANTITIES

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A.I.P. PROJECT 3-17-0032-B10	
SHEET 02 OF 29 SHEETS	

VE044

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SURVEY BOOK #
DATE: Thu 2/2/06 3:51pm
XREF DWG: C:\info.dwg
DNV-EXISTBASE.DWG
BASE_PROPPGEO.dwg

GENERAL NOTES

- ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION ACTIVITY PLAN.
- ALL CONSTRUCTION TRAFFIC OPERATING ON OR CROSSING RUNWAYS, TAXIWAYS, AND APRONS OPEN TO AIRCRAFT SHALL BE UNDER CONTROL OF A FLAGMAN MONITORING THE AIR CONTROL FREQUENCY AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE HIS OWN RADIOS.
- 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.
- THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS AT THE LOCATIONS SHOWN.
- BROKEN CONCRETE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF AIRPORT PROPERTY.
- VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN AREAS 93' FROM THE CENTERLINE OF ACTIVE TAXIWAYS OR 200' FROM THE CENTERLINE OF ACTIVE RUNWAYS.
- 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.
- EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE AIRPORT.
- THE CONTRACTOR SHALL CONTINUOUSLY CLEAN ALL CONSTRUCTION AREAS WHICH WILL BE OPENED TO AIR TRAFFIC.
- 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.
- 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.
- CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
 - THE CONTRACTOR'S ACCESS TO THE WORK SHALL BE AS SHOWN IN THE PLANS.
 - 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.
 - 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 BNAA MAINTENANCE SUPERVISOR. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER.
 - 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.
 - 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..
 - 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.
 - THE CONTRACTOR WILL CLOSE AND LOCK THE ACCESS GATE(S) UPON LEAVING THE SITE.
 - ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS TO VIOLATE AIRSPACE SURFACES, OR RUNWAY AND TAXIWAY OBJECT FREE OR SAFETY AREAS.
 - 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.
- COST OF TEMPORARY EDGE LIGHTING AND CABLING IN ORDER TO MAINTAIN AIRFIELD CIRCUITS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 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

0 1 2
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34x22).

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

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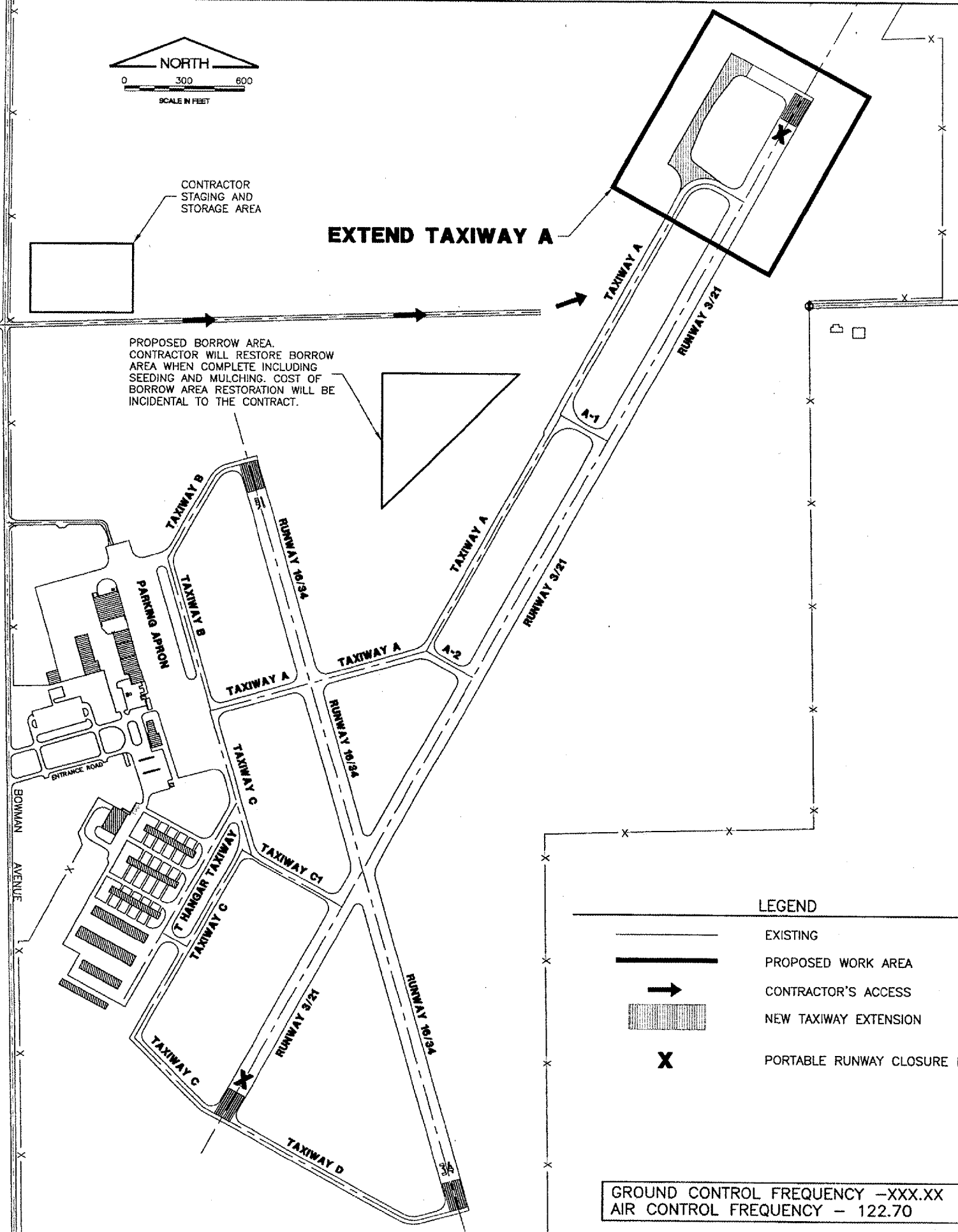
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APPROVED BY:	JEF
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JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	03 OF 29 SHEETS



CONTRACTOR STAGING AND STORAGE AREA

EXTEND TAXIWAY A

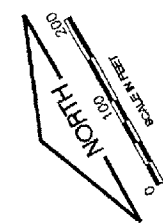
PROPOSED BORROW AREA. CONTRACTOR WILL RESTORE BORROW AREA WHEN COMPLETE INCLUDING SEEDING AND MULCHING. COST OF BORROW AREA RESTORATION WILL BE INCIDENTAL TO THE CONTRACT.



LEGEND

- EXISTING
- PROPOSED WORK AREA
- CONTRACTOR'S ACCESS
- NEW TAXIWAY EXTENSION
- PORTABLE RUNWAY CLOSURE MARKER

GROUND CONTROL FREQUENCY -XXX.XX
AIR CONTROL FREQUENCY - 122.70



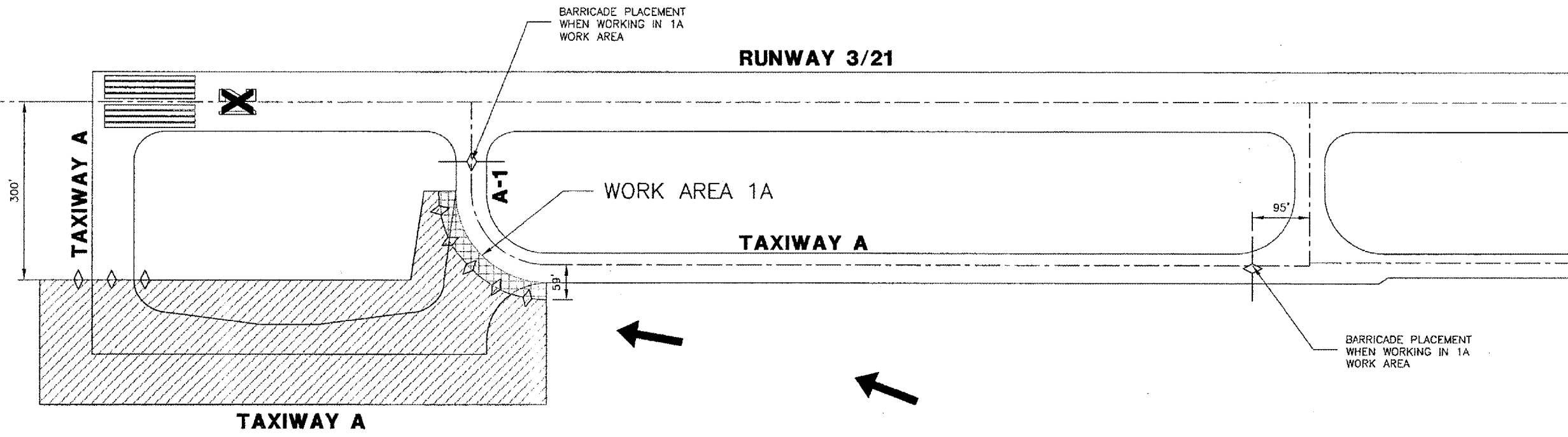
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**VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 CONSTRUCTION ACTIVITY PLAN**

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ILLINOIS PROJECT No:	04W-3537
A.I.P. PROJECT No:	3-1-0032-B10
SHEET	04 OF 29 SHEETS



NOTES

1. CONTRACTOR WILL PROVIDE AND MAINTAIN THEIR OWN AIRFIELD RADIOS. CONTRACTOR WILL BE REQUIRED TO MONITOR AIR CONTROL FREQUENCY AT ALL TIMES.
2. CONTRACTOR WILL BE ALLOWED TO WORK IN AREA 1A DURING DAYTIME HOURS ONLY. CONTRACTOR SHALL COORDINATE WITH THE AIRPORT ON CLOSURE OF RUNWAY 3/21 WHEN WORKING WITHIN 200' OF RUNWAY CENTERLINE. 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 SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL PLACE BARRICADES AS SHOWN WHEN WORKING IN AREA 1A AND REMOVE THE BARRICADES ONCE WORK IS COMPLETE FOR THE DAY. COST OF BARRICADE ERECTION AND REMOVAL IS INCIDENTAL TO THE CONTRACT.
4. CONTRACTOR SHALL MAINTAIN TEMPORARY LIGHTING ALONG TAXIWAY A ADJACENT TO THE WORK AREA ONCE EXISTING TAXIWAY EDGE LIGHTS ARE REMOVED. COST INCIDENTAL TO THE CONTRACT.
5. CONTRACTOR SHALL 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).



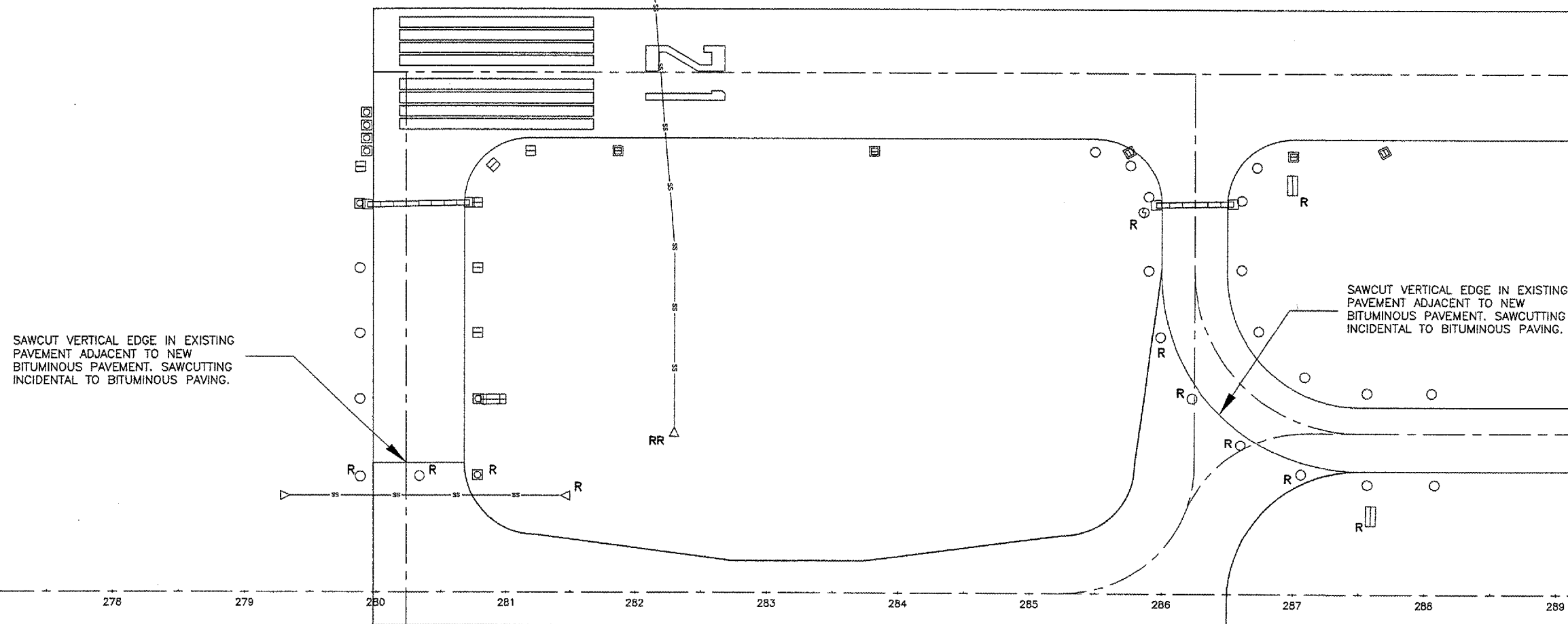
LEGEND

- ⊙ EXIST. SPLICE CAN
- ⊞ EXIST. STAKE MOUNTED RWY LIGHT
- R ○ EXIST. STAKE MOUNTED TXY LIGHT - TO BE REMOVED
- ⊞ EXIST. BASE MOUNTED RWY LIGHT
- R ⊞ EXIST. BASE MOUNTED TXY LIGHT - TO BE REMOVED
- ▭ EXIST. AIRFIELD SIGNAGE
- R ▽ EXIST. FLARED END SECTION - TO BE REMOVED
- RR ▽ EXISTING FLARED END SECTION TO BE REMOVED AND RELOCATED
- s— EXIST. STORM SEWER
- ▭ EXIST. DUCT BANK

REVISIONS

NUMBER	BY	DATE

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



**VERMILION 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.

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ILLINOIS PROJECT DNV-3537
 A.I.P. PROJECT 3-17-0032-B10

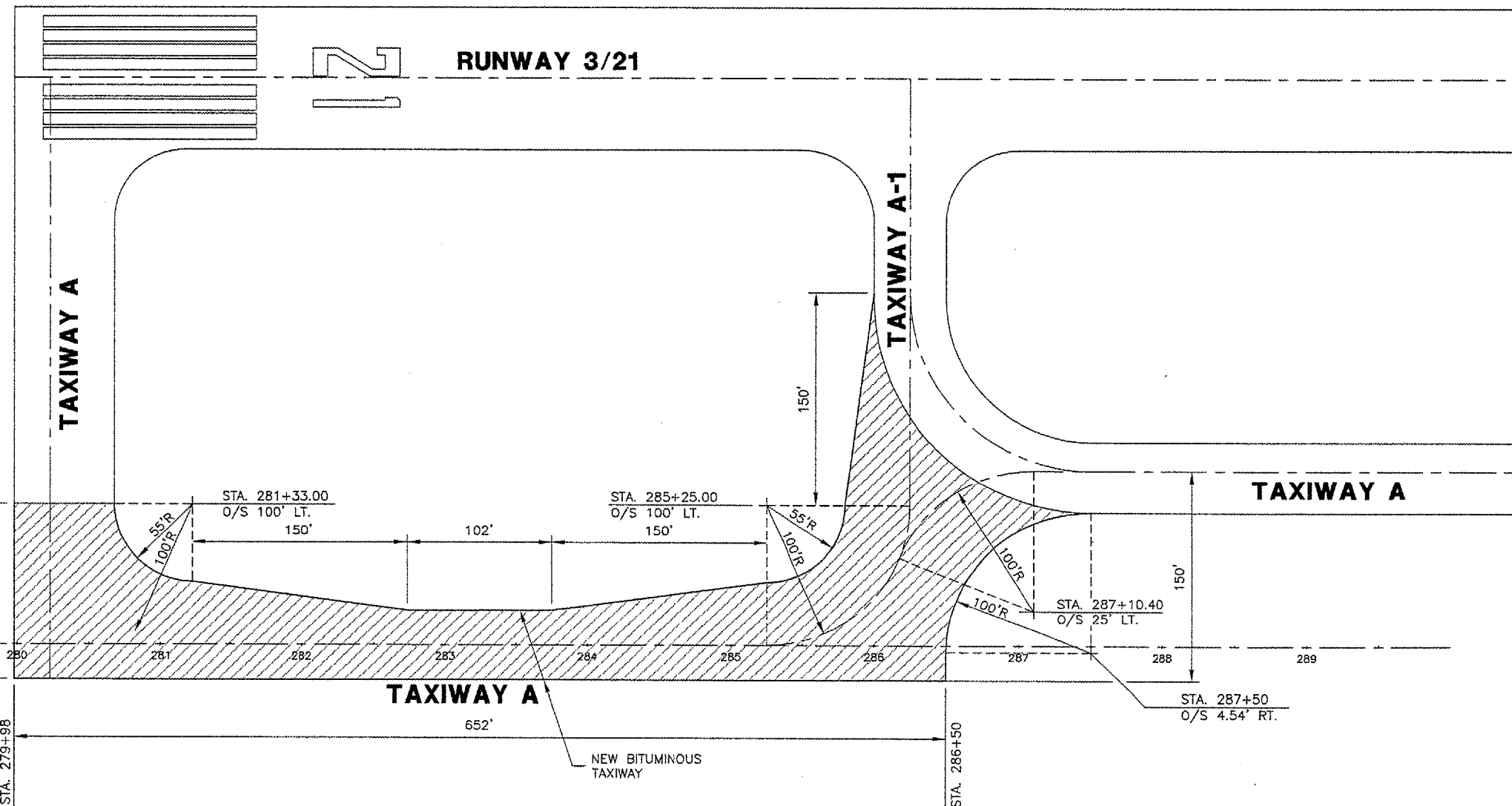
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VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET
 PROPOSED IMPROVEMENTS

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A.I.P. PROJECT 3-17-0032-B10	
SHEET	06 OF 29 SHEETS

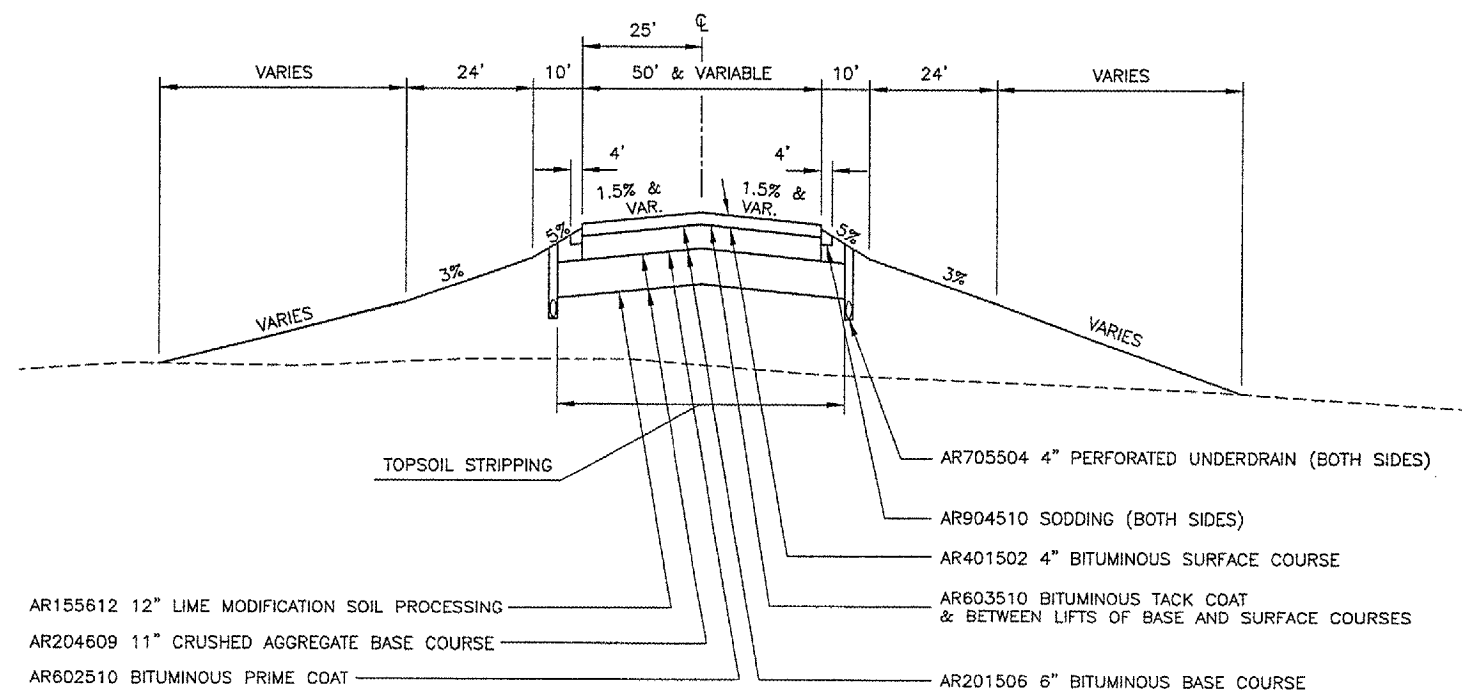
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NUMBER	BY	DATE

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TYPICAL SECTION
 N.T.S.

VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET
 TYPICAL SECTION

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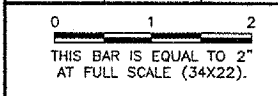


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 A.I.P. PROJECT 3-17-0032-B10
 SHEET 07 OF 29 SHEETS

VE044

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REVISIONS		
NUMBER	BY	DATE



**VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS**

EXTEND PARALLEL TAXIWAY 600 FEET

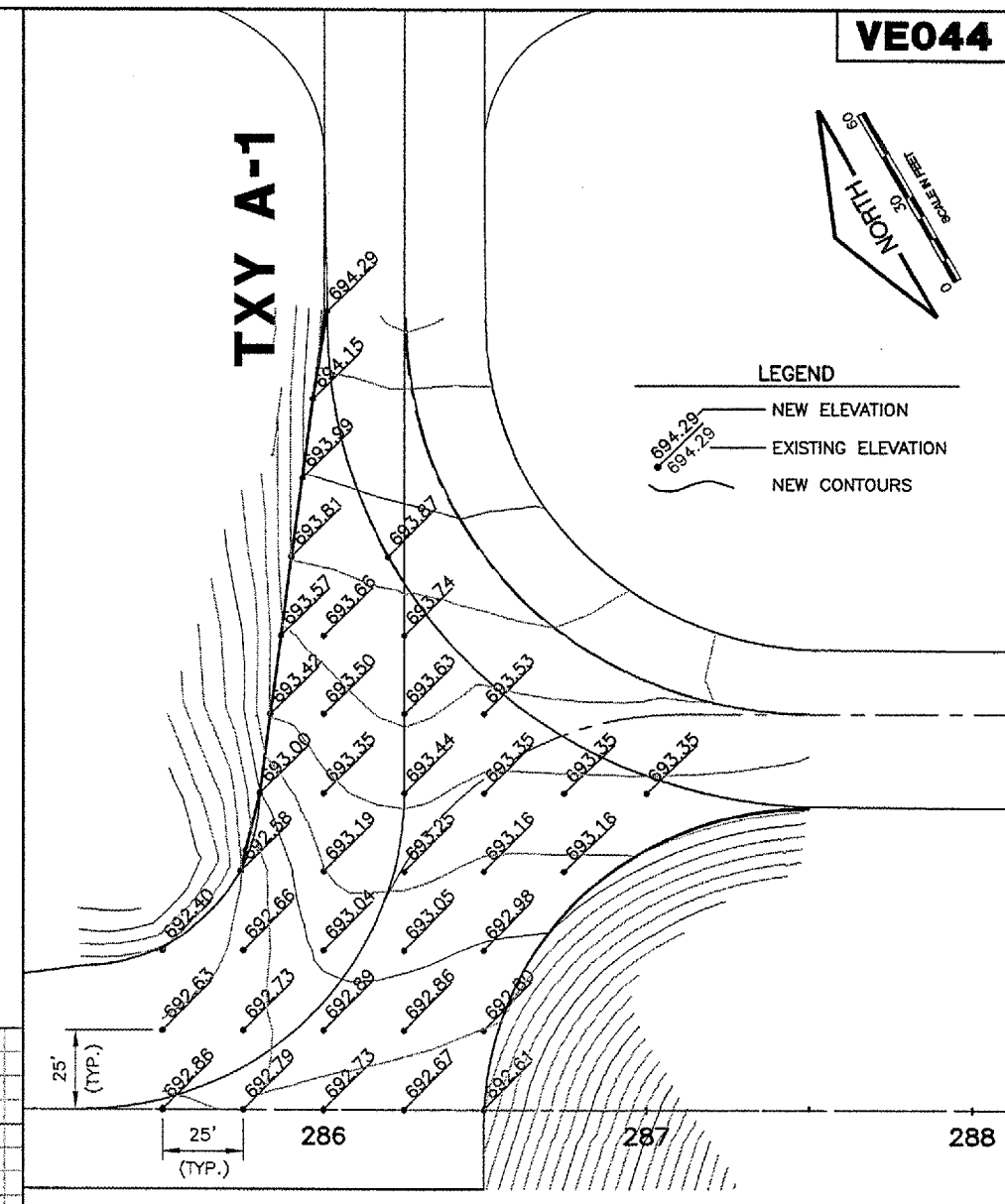
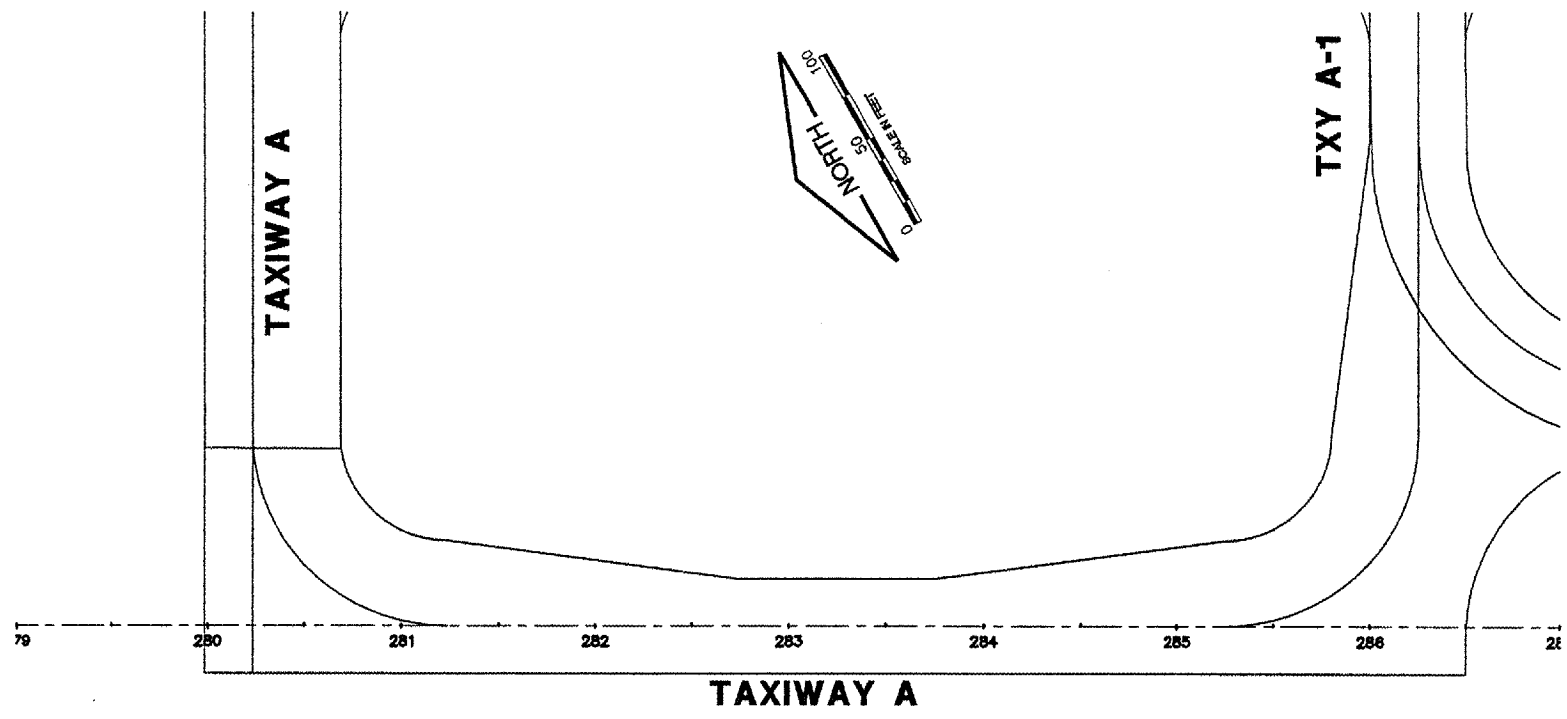
TAXIWAY A PLAN & PROFILE
STA. 279+00 TO STA. 287+00

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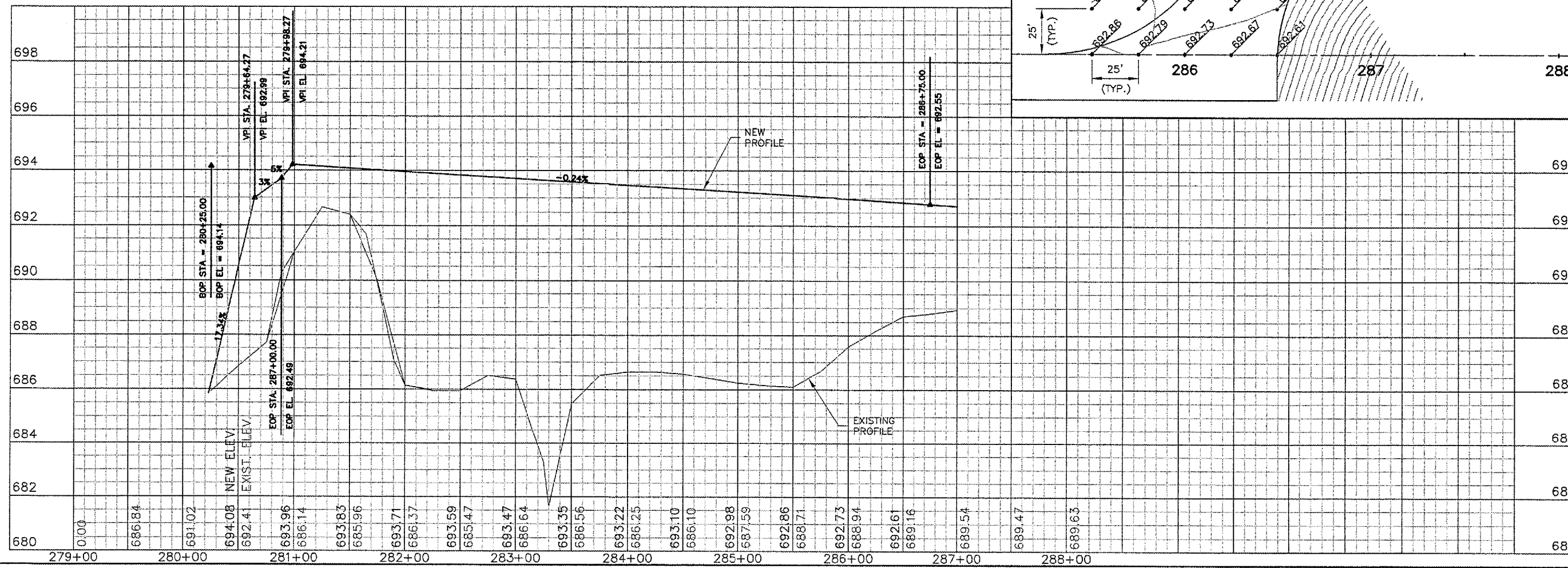
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JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	

SHEET 08 OF 29 SHEETS



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



LEGEND

- ud— EXIST UNDERDRAIN
- ud— NEW UNDERDRAIN
- ss— EXIST STORM SEWER
- ss— NEW STORM SEWER
- ⊙MH NEW MANHOLE
- ⊙CS NEW UNDERDRAIN COLLECTION STRUCTURE
- ⊙CO EXIST CLEANOUT
- ⊙CO NEW CLEANOUT
- ▷ DC NEW DIRECT CONNECTION TO EXISTING STORM SEWER
- ▷ EXIST FLARED END SECTION
- ▶ NEW FLARED END SECTION

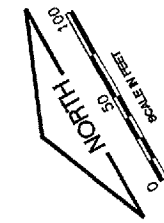
UNDERDRAIN SCHEDULE

REACH	PIPE (IN)	LENGTH (FT)	SLOPE %	NOTE
CO-1 > CS-1	4"	127	.77	
CS-1 > CS-2	4"	252	.68	
CO-3 > CS-2	4"	213	.15	
CS-4 > CO-3	4"	192	.15	
CO-5 > CS-4	4"	195	.27	
CO-2 > CS-3	4"	200	.875	
CO-4 > CS-3	4"	236	.15	
CO-6 > CO-4	4"	295	.51	
CS-2 > FES-1	4"	50	.78	SMOOTH WALL PVC PIPE
CS-3 > INLET	4"	100	5	SMOOTH WALL PVC PIPE

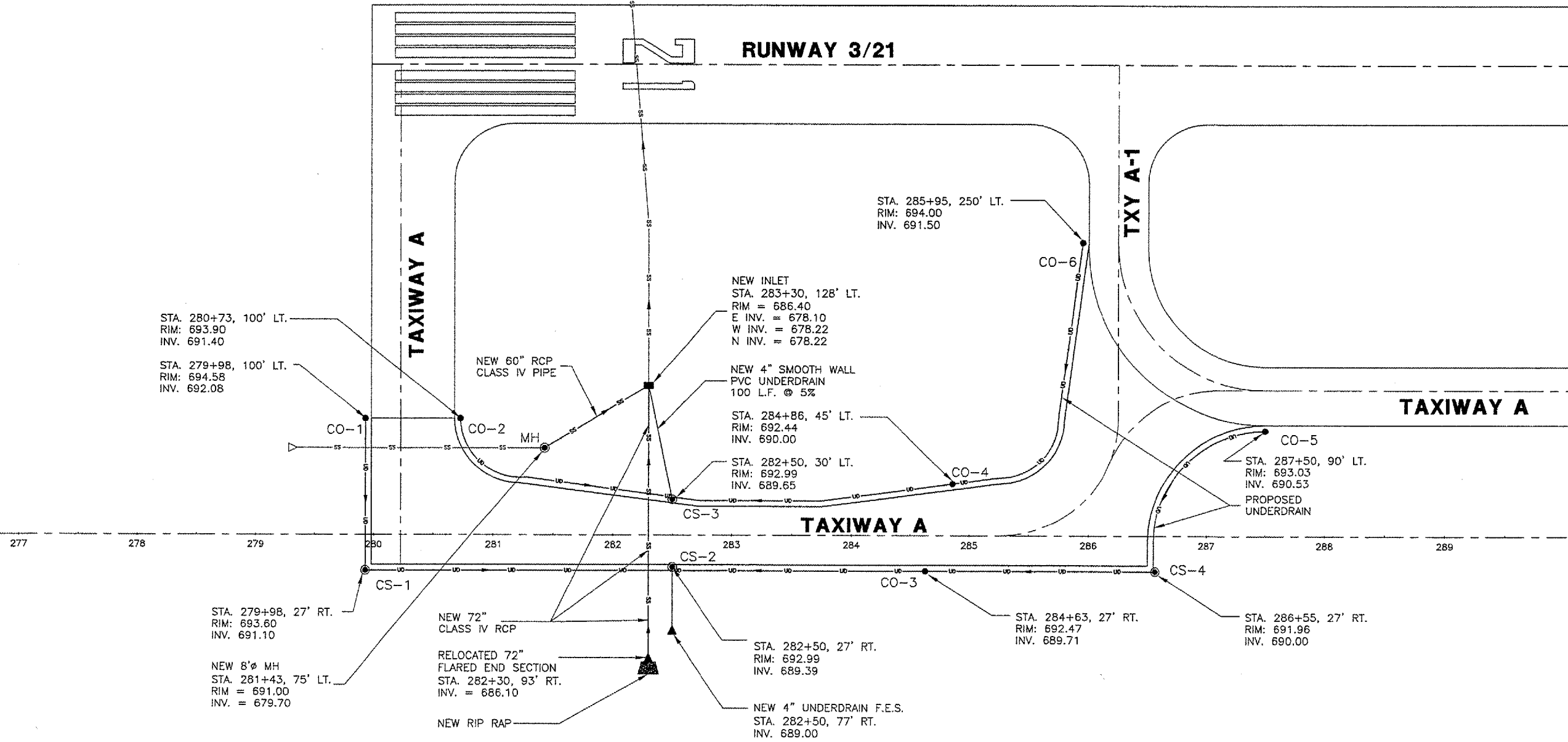
REVISIONS

NUMBER	BY	DATE

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



EXISTING 72" CLASS IV RCP



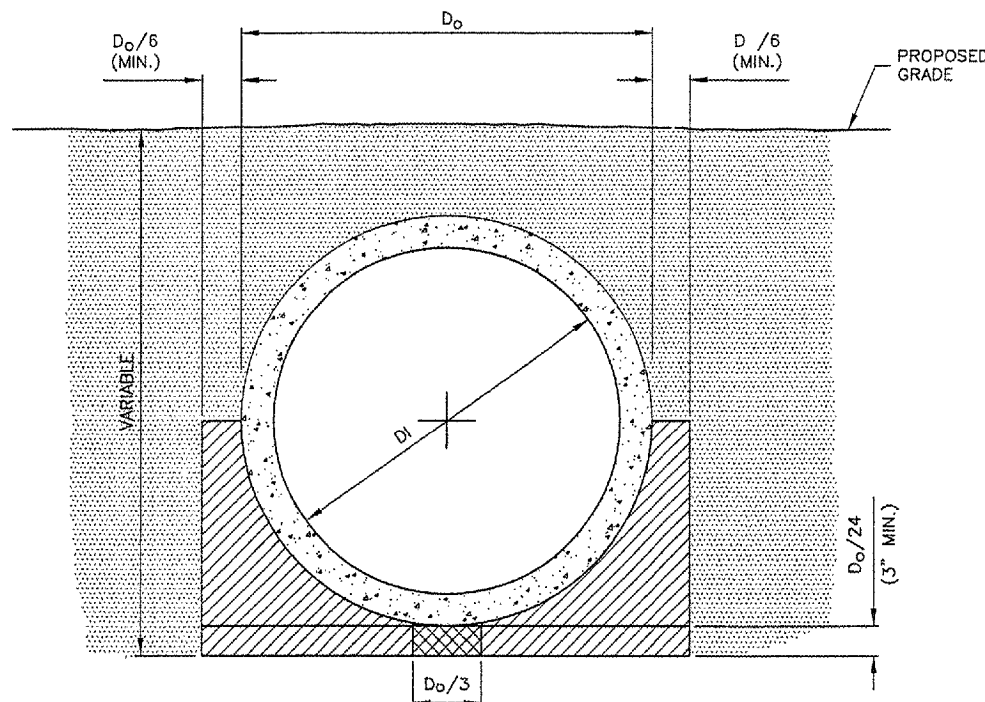
**VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS**

**EXTEND PARALLEL TAXIWAY 600 FEET
 DRAINAGE PLAN**

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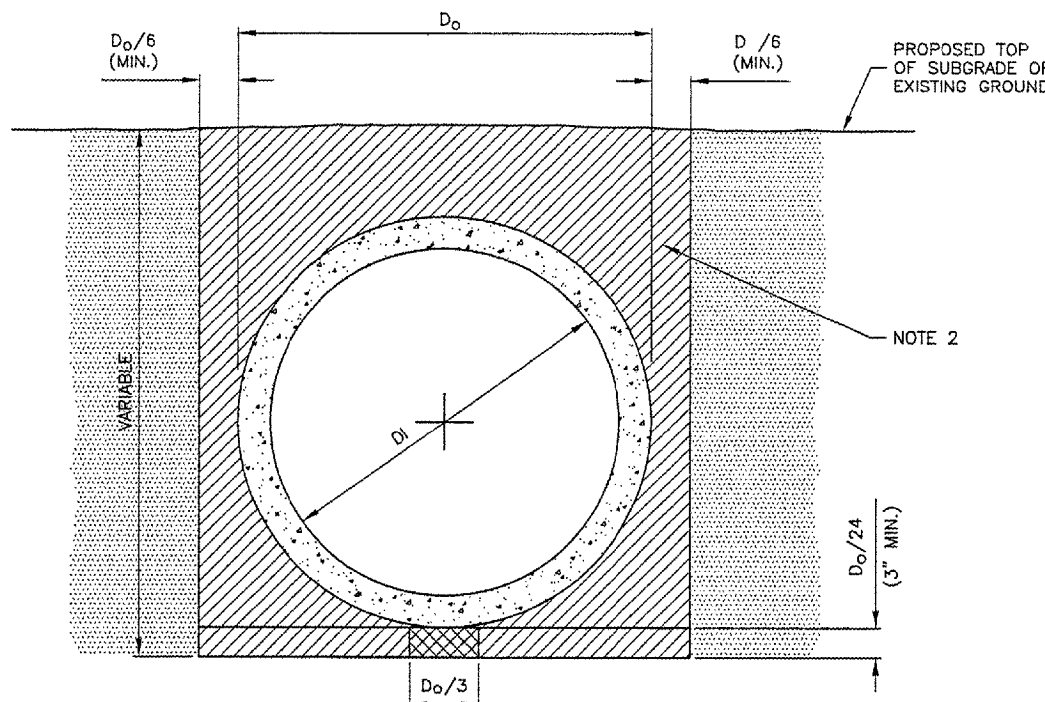


DESIGN BY: JEF
 DRAWN BY: DPA
 CHECKED BY: SMH
 APPROVED BY: JEF
 DATE: 01/13/2006
 JOB No: 05042-0300
 ILLINOIS PROJECT DNV-3537
 A.I.P. PROJECT 3-17-0032-B10
 SHEET 09 OF 29 SHEETS



STANDARD TRENCH INSTALLATION
 NON-PAVED AREA

N.T.S.



STANDARD TRENCH INSTALLATION
 PROPOSED PAVED AREAS

N.T.S.

LEGEND

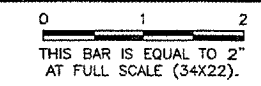
- DRAINAGE CONDUIT MATERIAL-CONCRETE
- MIDDLE BEDDING LOOSELY PLACED UNCOMPACTED BEDDING
- HAUNCH AND OUTER BEDDING COMPACTION- 95% STANDARD PROCTOR
- LOWER SIDE AND OVERFILL COMPACTION- SAME AS EMBANKMENT REQUIREMENTS

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

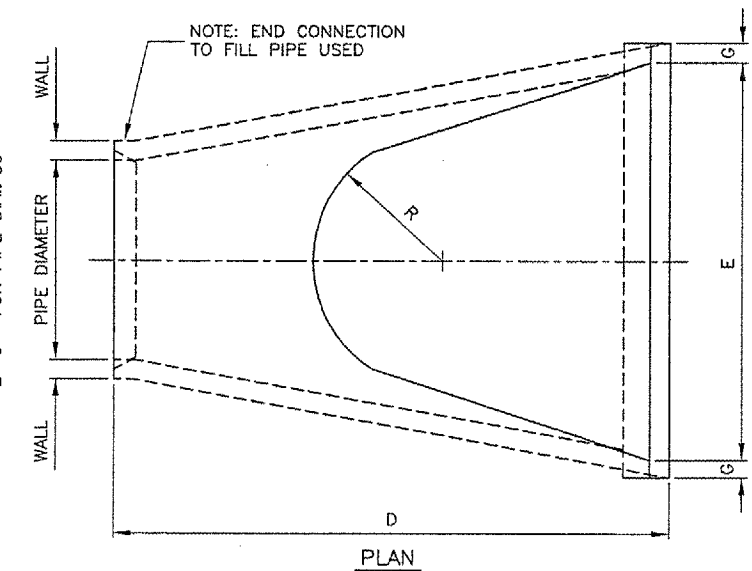
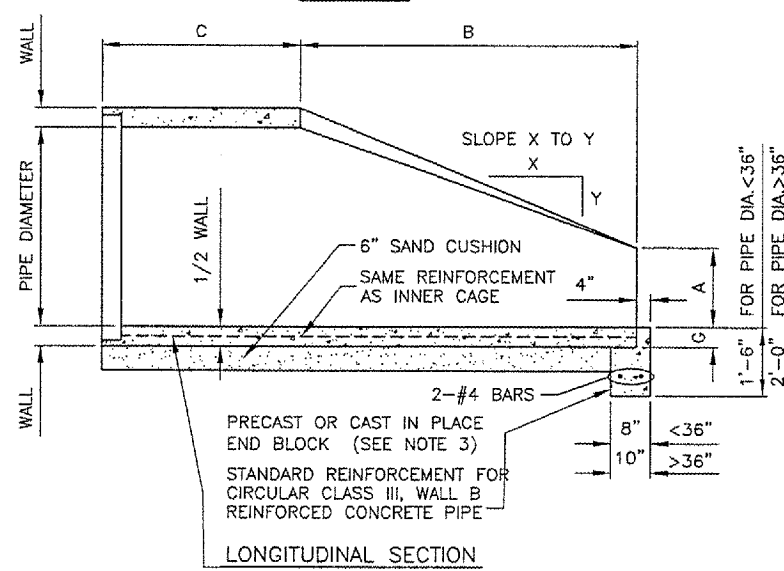
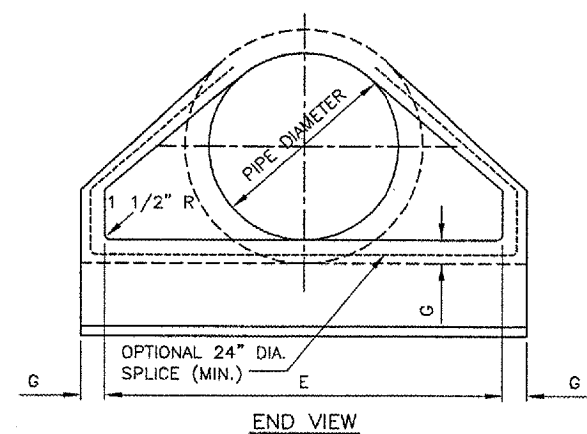
NUMBER	BY	DATE



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"	8550	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.



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

N.T.S.

- 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.

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

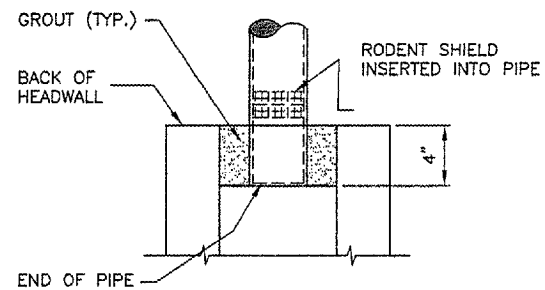
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 APPROVED BY: JEF
 DATE: 01/13/2006
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 ILLINOIS PROJECT DNV-3537
 A.I.P. PROJECT 3-17-0032-B10
 SHEET 10 OF 29 SHEETS

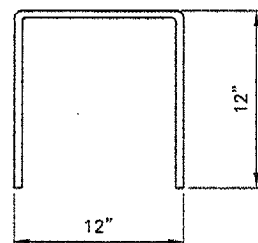
REVISIONS

NUMBER	BY	DATE

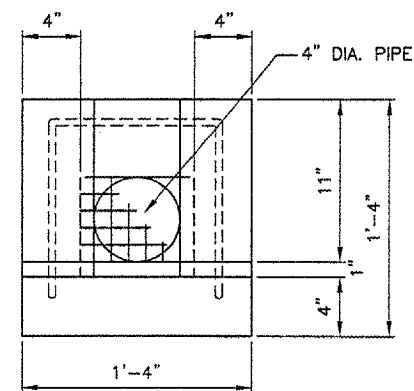
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 AT FULL SCALE (34X22).



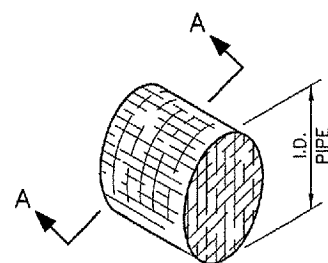
RODENT SHIELD PLACEMENT
 N.T.S.



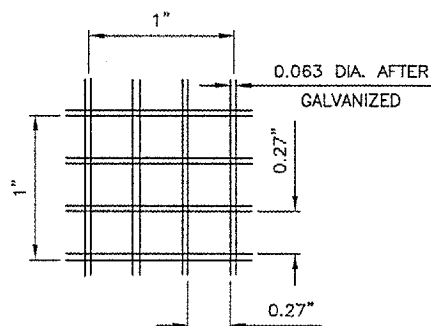
BAR H
 N.T.S.



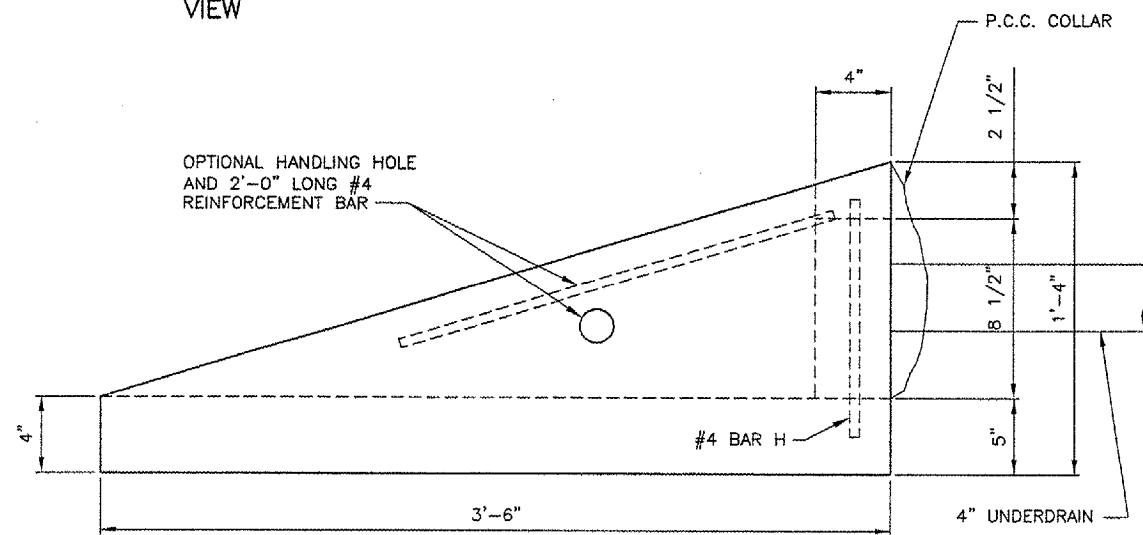
FRONT VIEW



RODENT SHIELD DETAIL
 N.T.S.



SECTION A-A
 N.T.S.



SIDE VIEW

CONCRETE HEADWALL FOR PIPE DRAIN
 I.D.O.T. STANDARD NO. 601101 (AR70561.0)
 N.T.S.

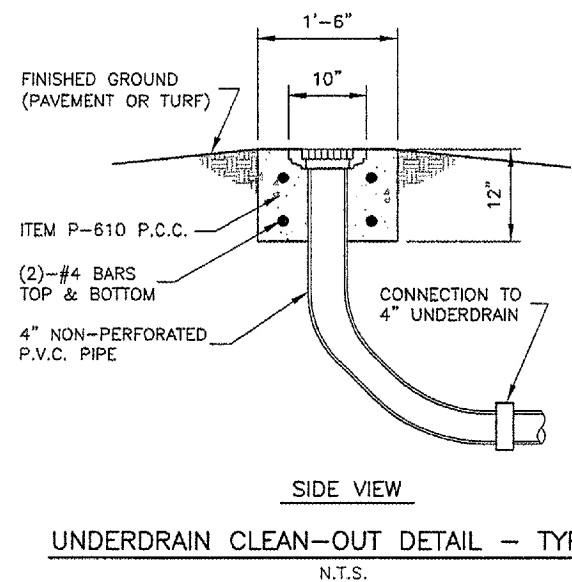
VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 DRAINAGE DETAILS 2

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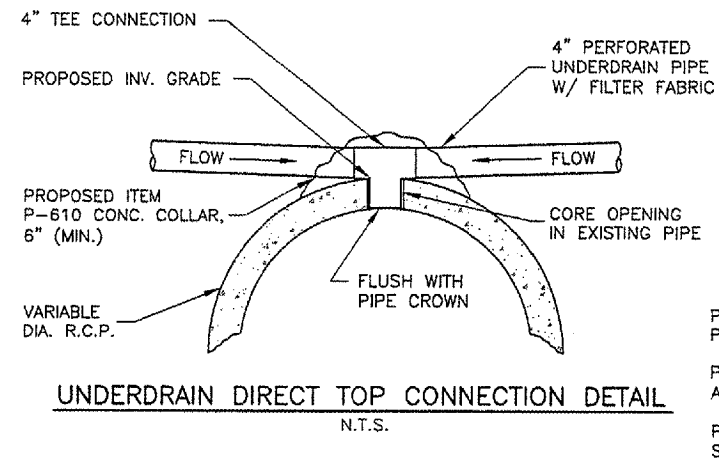
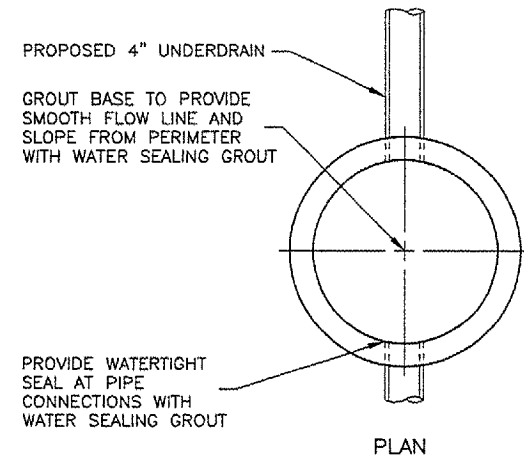
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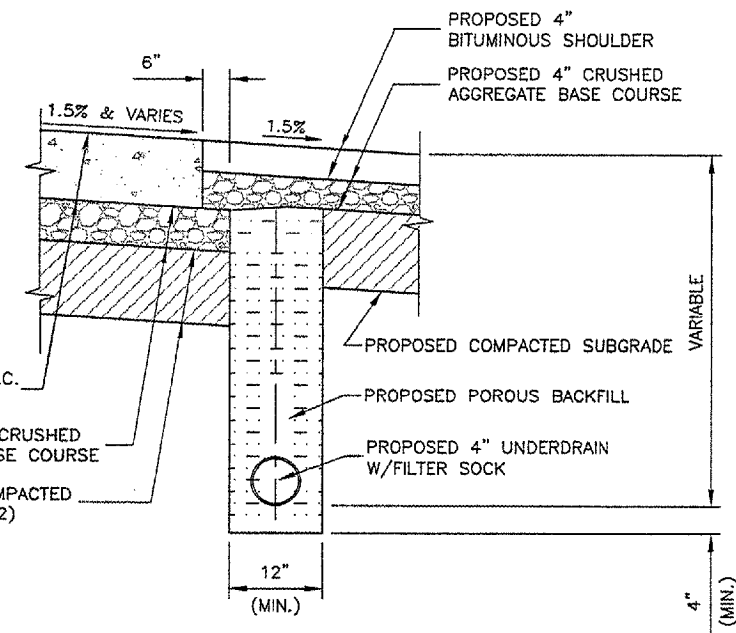
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CHECKED BY:	SMH
APPROVED BY:	JEF
DATE:	01/13/2006
JOB No:	05042-0300
ILLINOIS PROJECT DNV-	3537
A.I.P. PROJECT	3-17-0032-B10
SHEET	11 OF 29 SHEETS



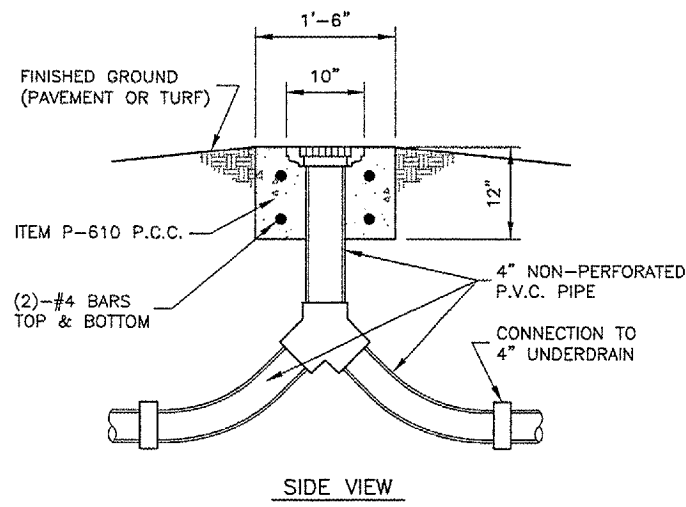
UNDERDRAIN CLEAN-OUT DETAIL - TYPE 1
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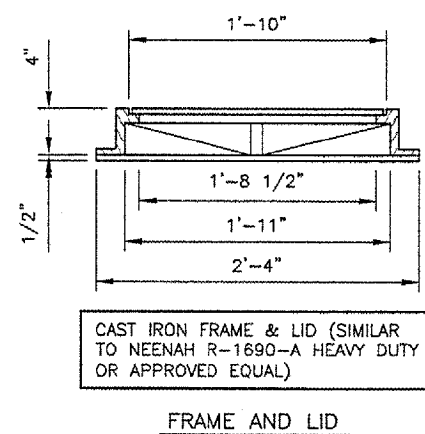
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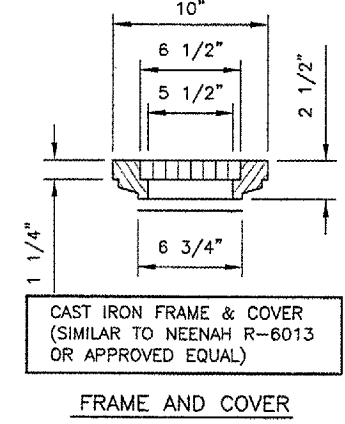
**TYPICAL UNDERDRAIN DETAIL
 EDGE OF PAVEMENT**
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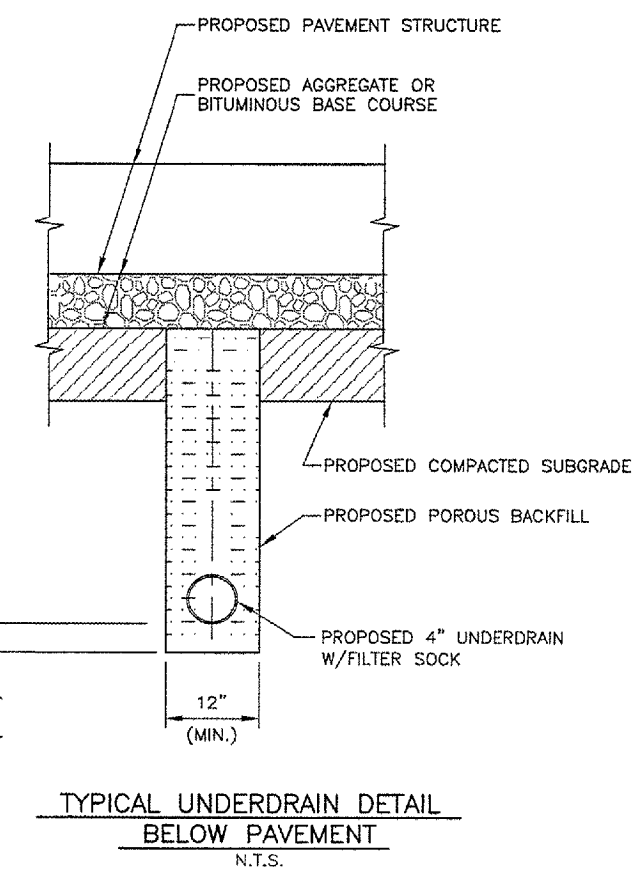
UNDERDRAIN CLEAN-OUT DETAIL - TYPE 2
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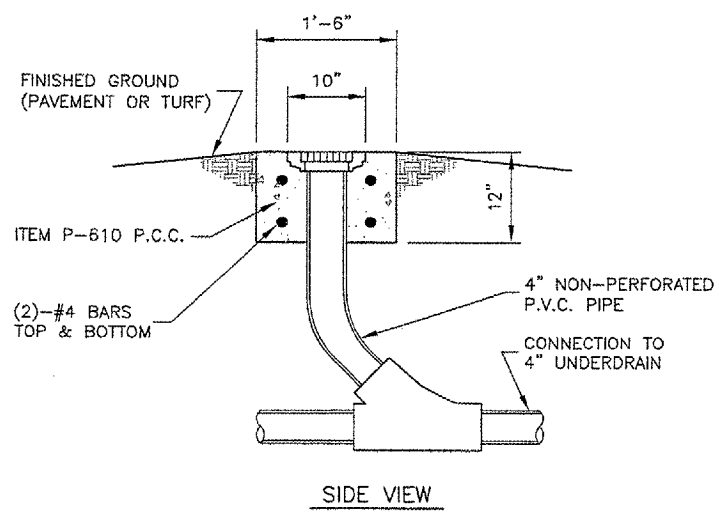
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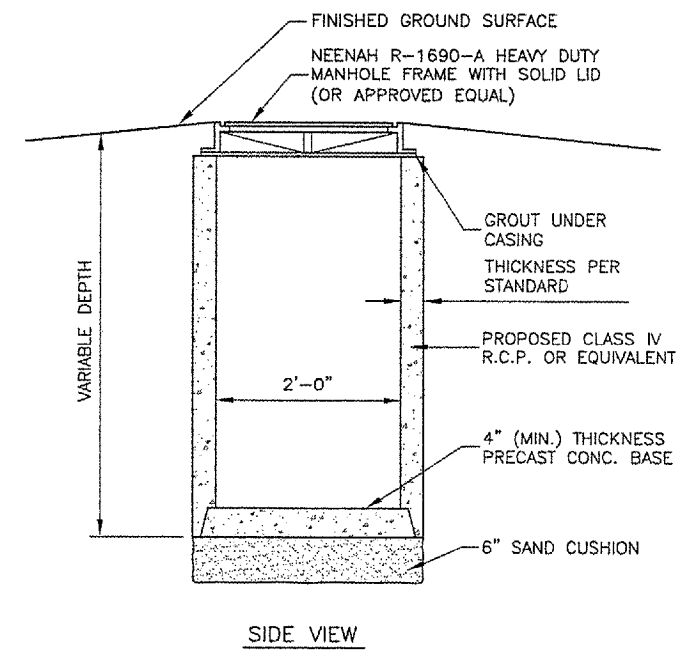
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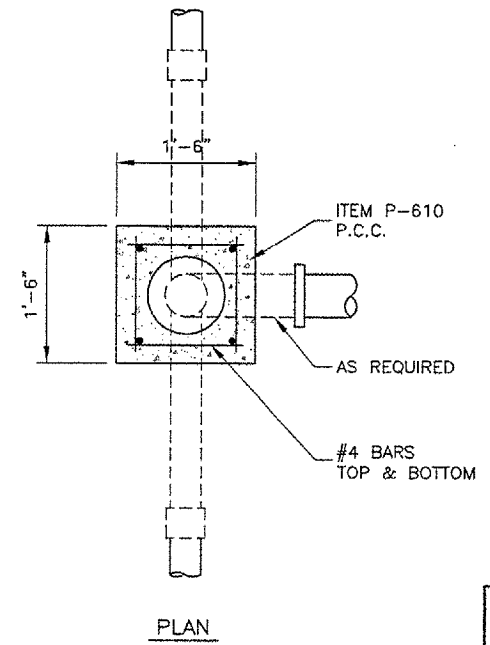
**TYPICAL UNDERDRAIN DETAIL
 BELOW PAVEMENT**
 N.T.S.



UNDERDRAIN CLEAN-OUT DETAIL - TYPE 3
 N.T.S.



UNDERDRAIN COLLECTION STRUCTURE DETAIL
 N.T.S.



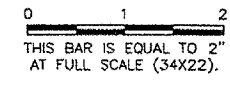
UNDERDRAIN CLEAN-OUT DETAILS
 N.T.S.

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 SHALL BE REMOVED PRIOR TO THE PLACEMENT OF PROPOSED POROUS BACKFILL. ALL COST FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL.

REVISIONS

NUMBER	BY	DATE



VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET

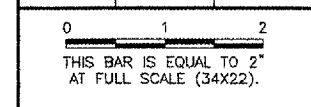
UNDERDRAIN DETAILS

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A.I.P. PROJECT 3-17-0032-B10	
SHEET	12 OF 28 SHEETS

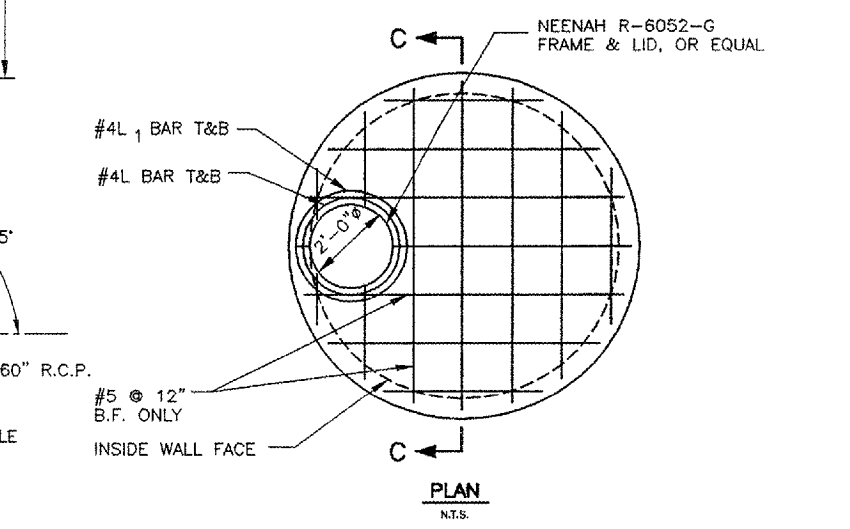
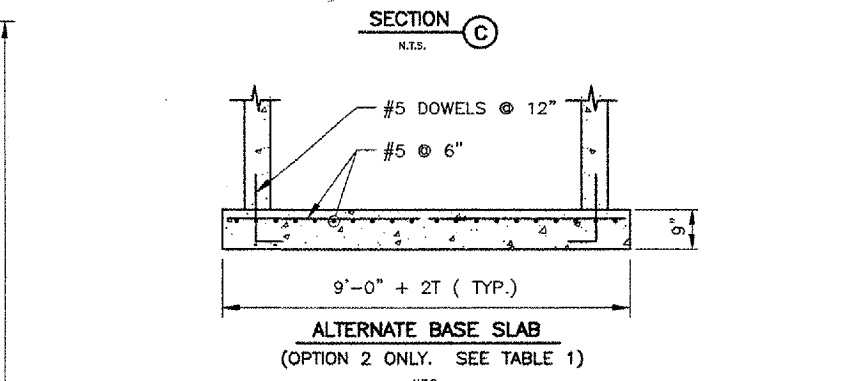
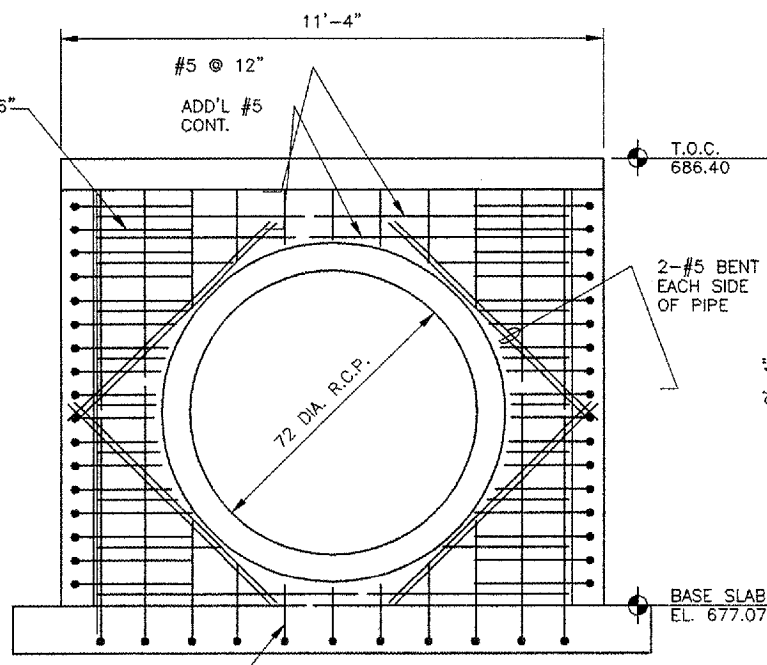
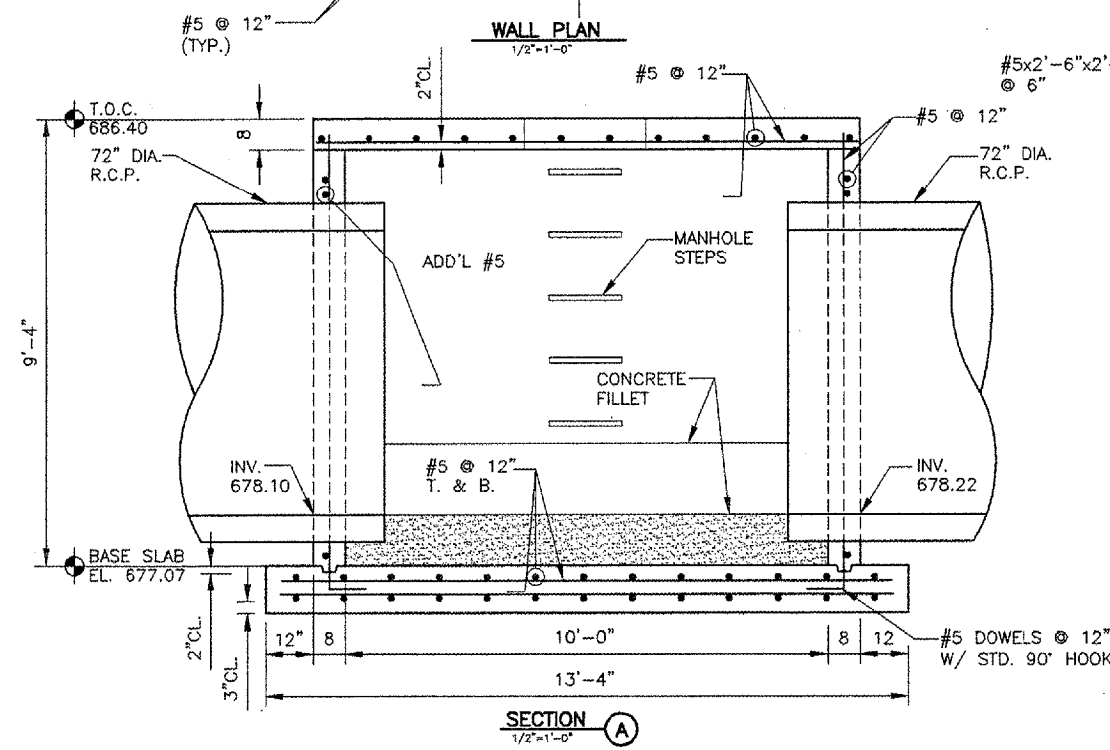
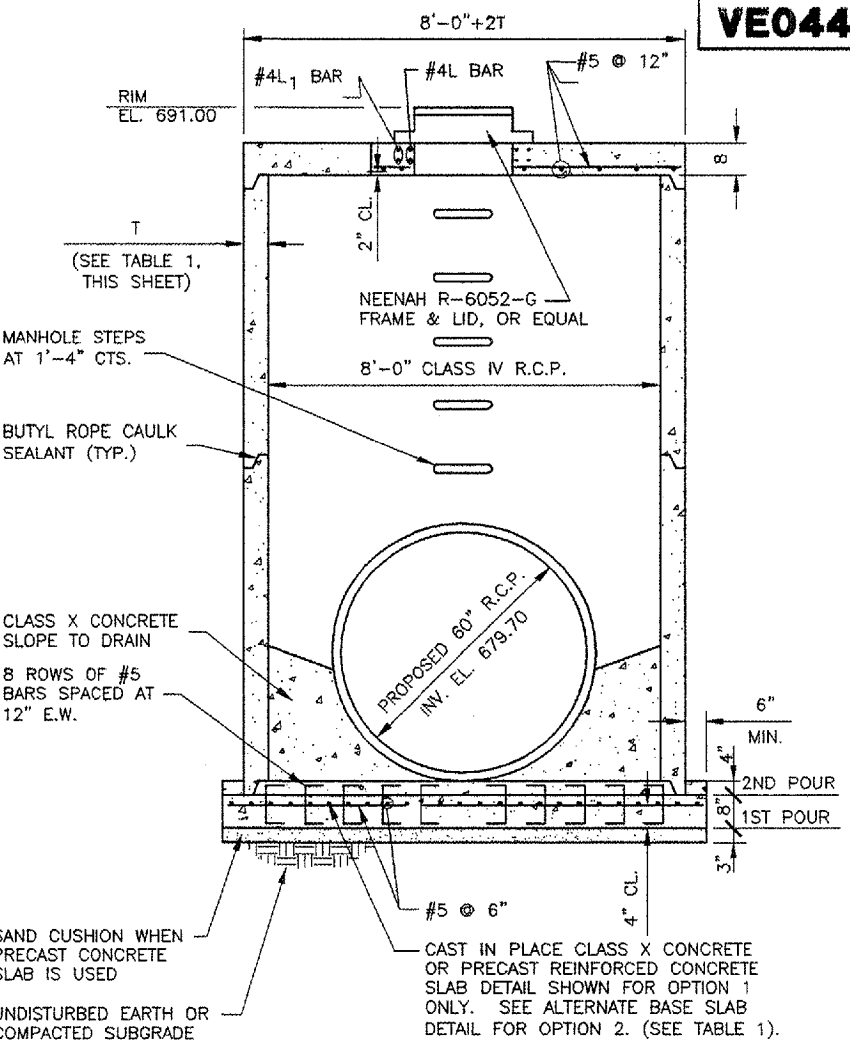
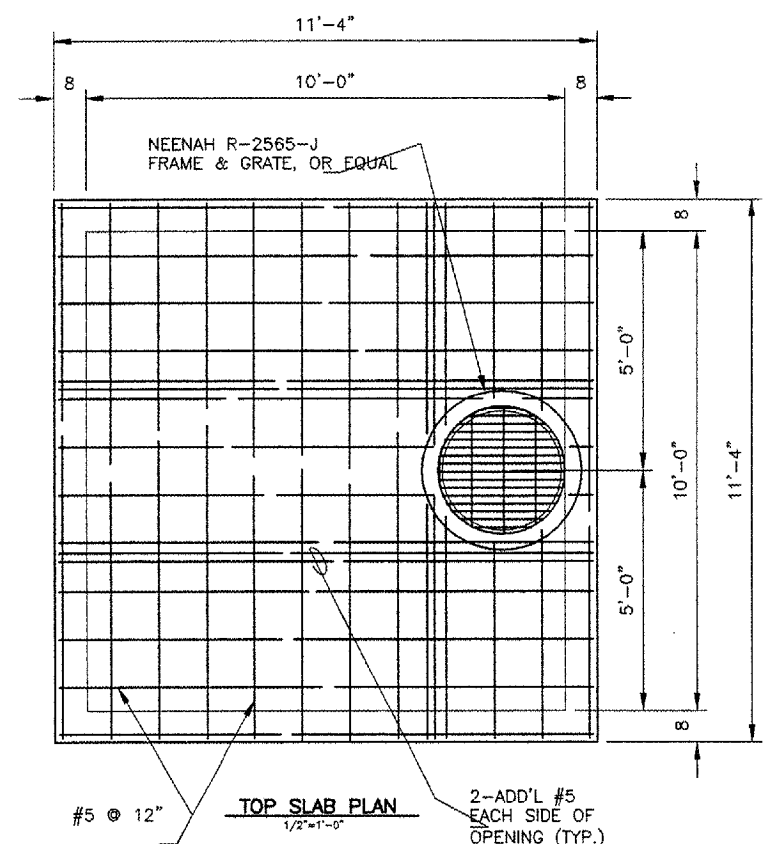
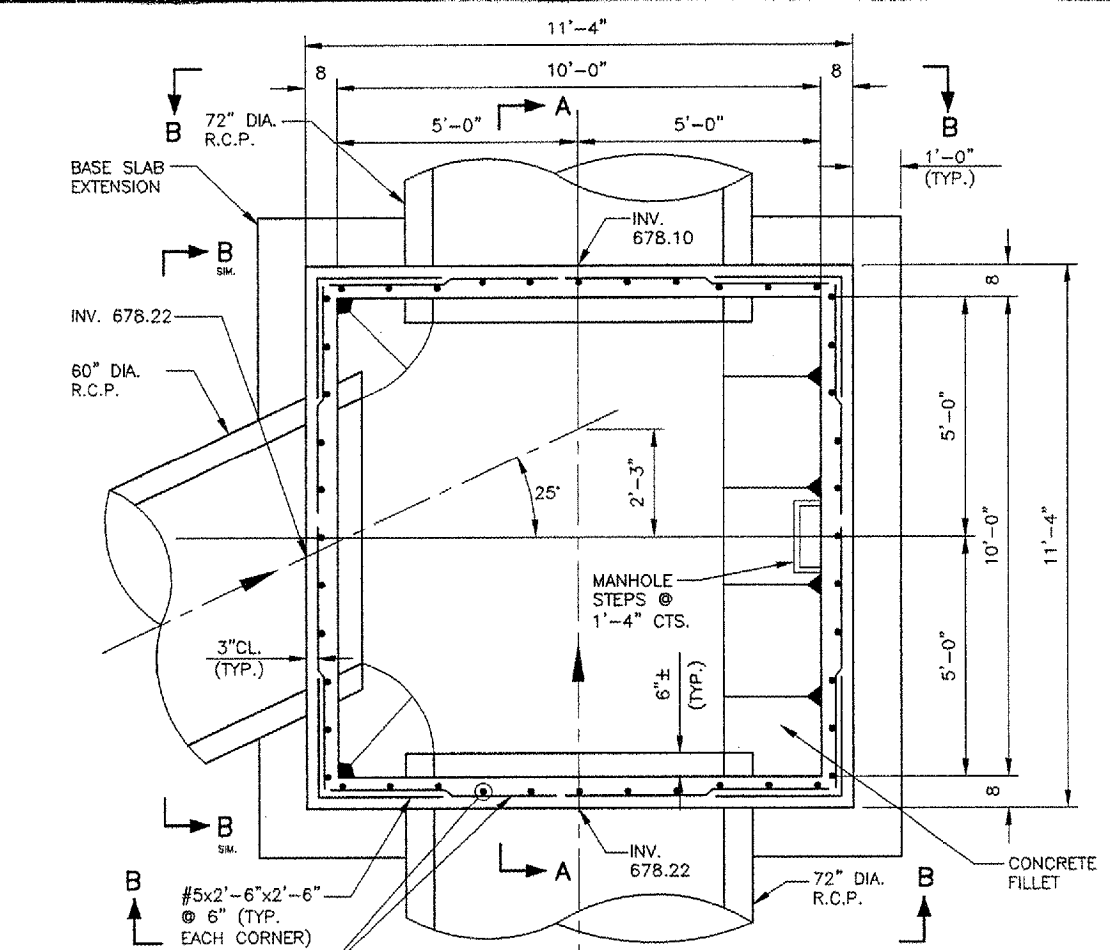
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**VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 MANHOLE & INLET DETAILS**

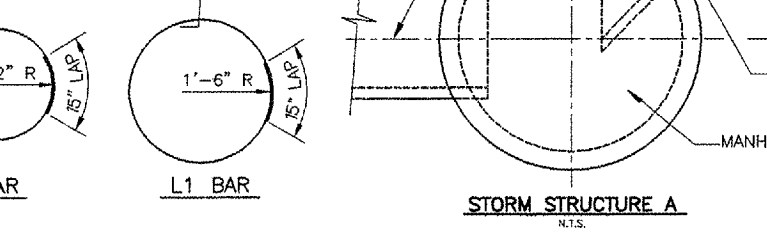
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 ILLINOIS PROJECT DNV--3537
 A.I.P. PROJECT 3--17--0032--B10
 SHEET 13 OF 29 SHEETS



OPTION	ALTERNATE MATERIALS FOR WALLS	T (MIN.)
1	PRECAST REINFORCED CONCRETE PIPE SECTIONS PER ASTM C76	9"
2	CAST-IN-PLACE CONCRETE	8"

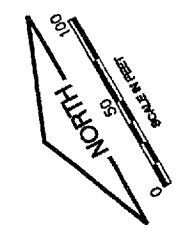
- NOTES**
1. DETAILS SHOWN ARE FOR OPTION 1. SEE TABLE 1.
 2. OPENINGS IN PRE-CAST PIPE SECTION (OPTION 1) FOR SEWER PIPE SHALL BE EQUIVALENT TO THE OUTSIDE DIAMETER OF THE SEWER PIPE PLUS TWO INCHES. GROUT OPENING SOLID WITH NON-SHRINK GROUT.



STORM STRUCTURE A
 N.T.S.

VE044

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 UPDATE BY: adraughan
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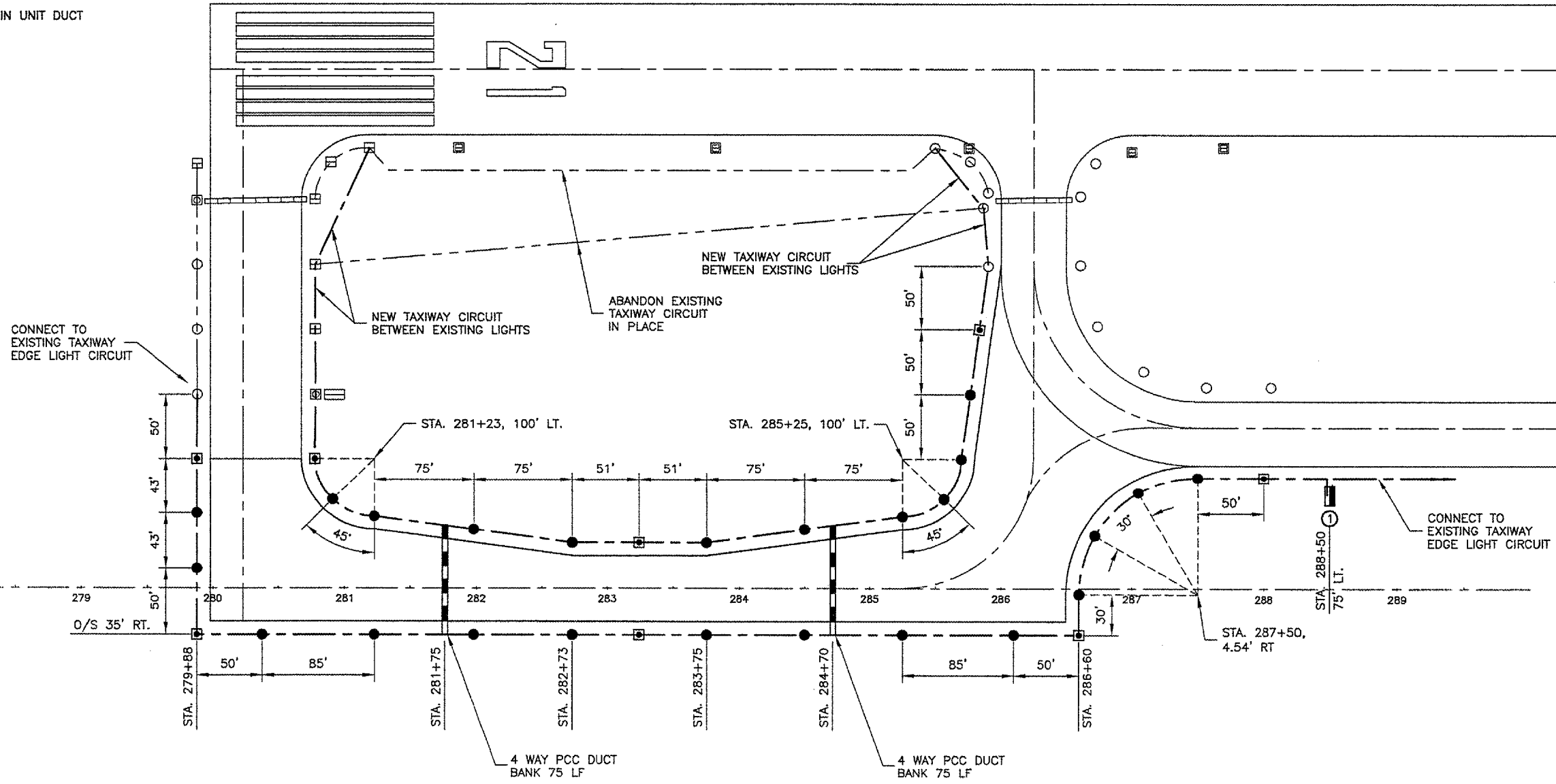
REVISIONS

NUMBER	BY	DATE

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

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
- ⊕ EXIST SPICE CAN
- ▬ EXISTING DUCT BANK
- ▬ NEW 4 WAY P.C.C. DUCT BANK
- EXISTING CABLE
- NEW 1/C #8 5KV CABLE IN UNIT DUCT



VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET
 ELECTRICAL & LIGHTING PLAN

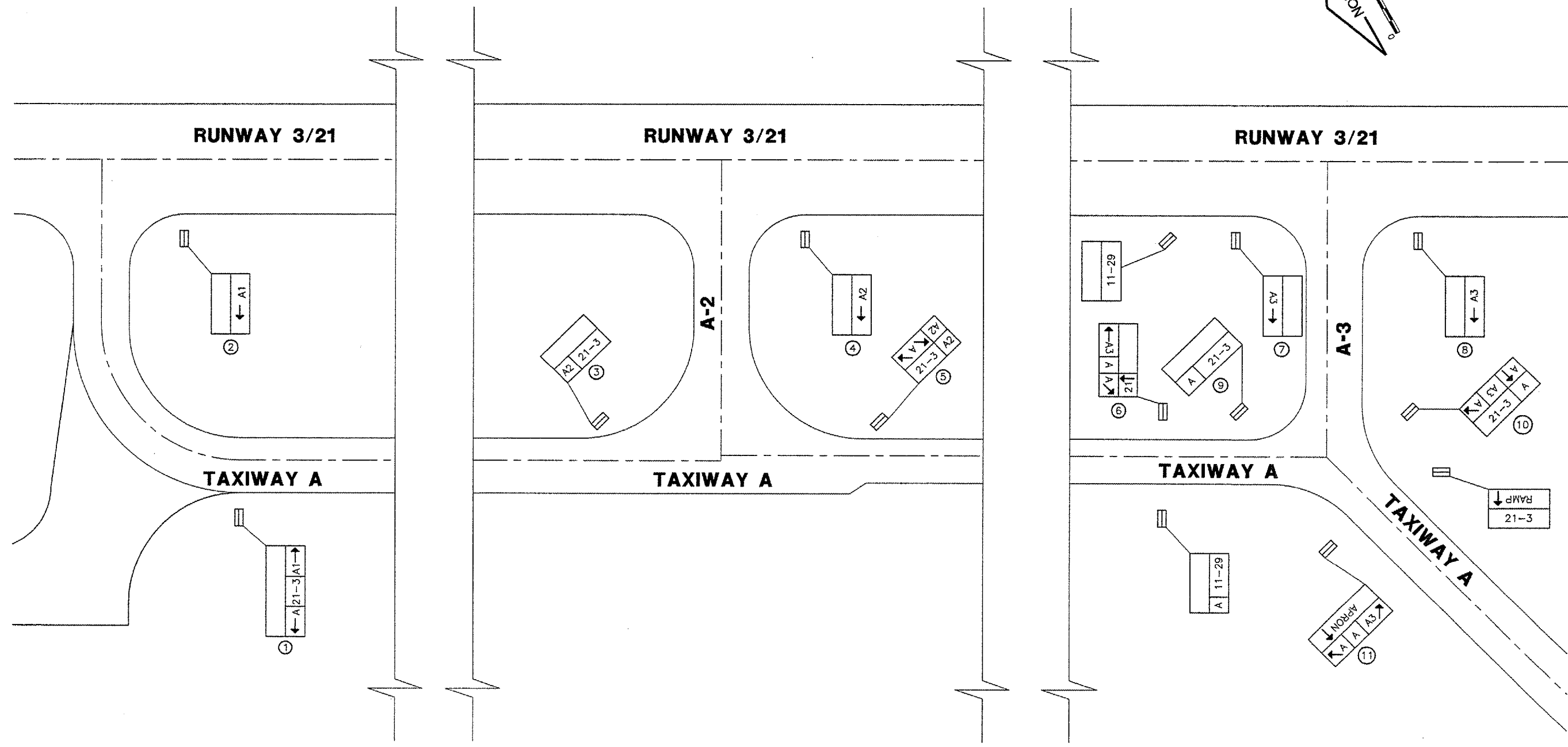
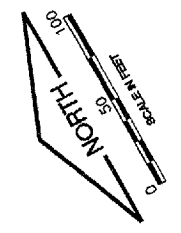
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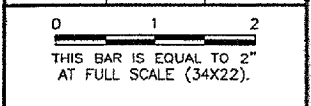
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APPROVED BY:	JEF
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	14 OF 29 SHEETS

VE044

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 DNV-EXISTBASE.DWG



REVISIONS		
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**VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS**

**EXTEND PARALLEL TAXIWAY 600 FEET
 SIGNAGE LAYOUT**

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ILLINOIS PROJECT	DNV-3537
A.I.P. PROJECT	3-17-0032-B10
SHEET	15 OF 29 SHEETS

REVISIONS

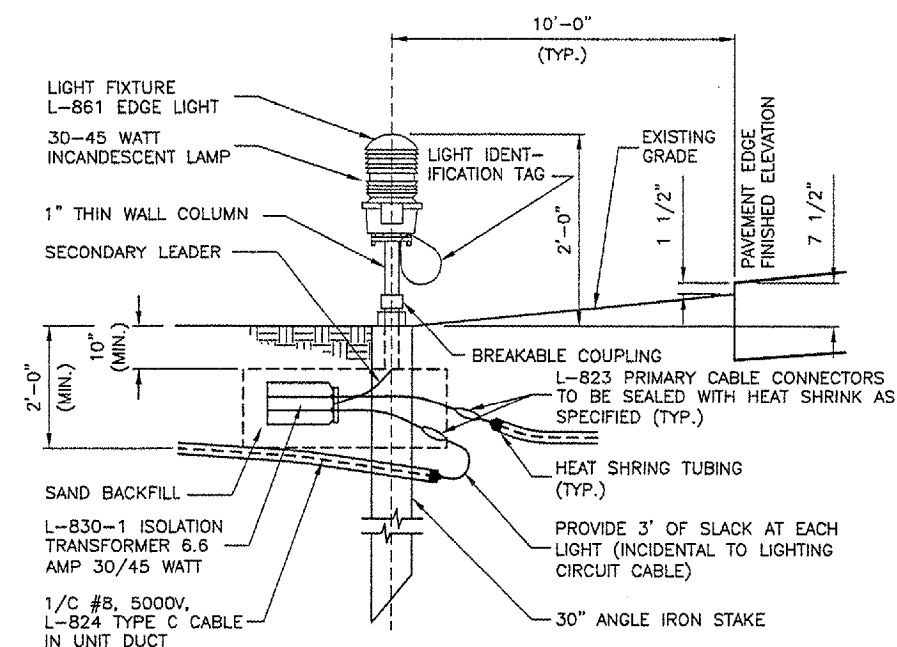
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 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

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

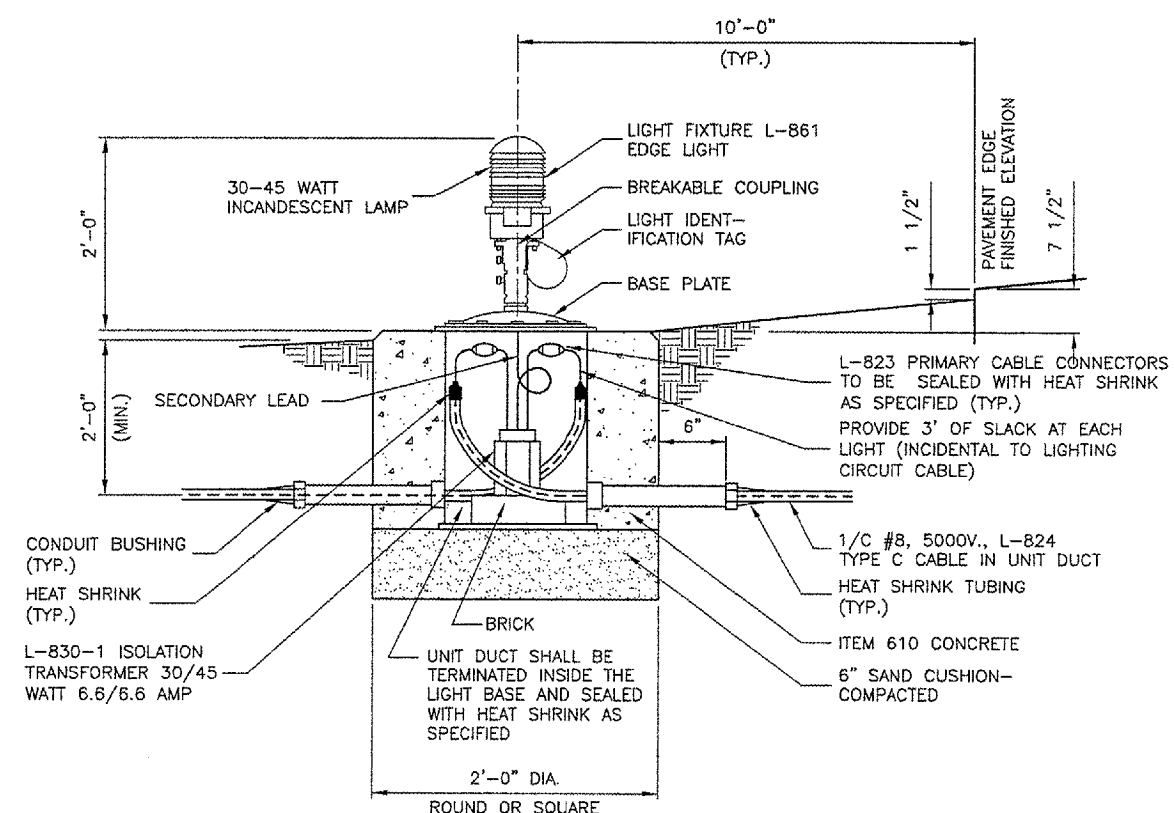
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 A.I.P. PROJECT 3-17-0032-B10
 SHEET 16 OF 29 SHEETS



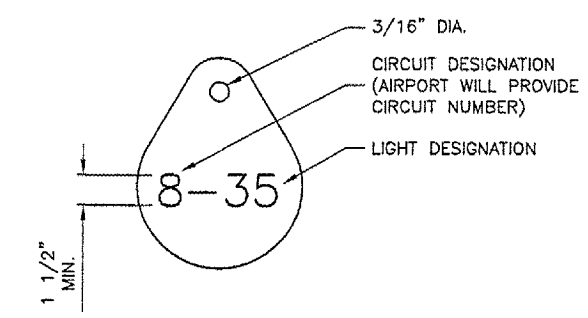
UNIT DUCT SHALL BE TERMINATED AT THE L-823 CONNECTORS AND SEALED WITH HEAT SHRINK AS SPECIFIED.

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

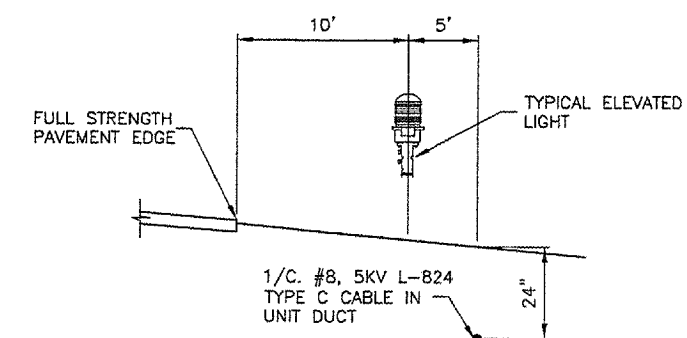


BASE MOUNTED MEDIUM INTENSITY MARKER LIGHTS
 N.T.S.

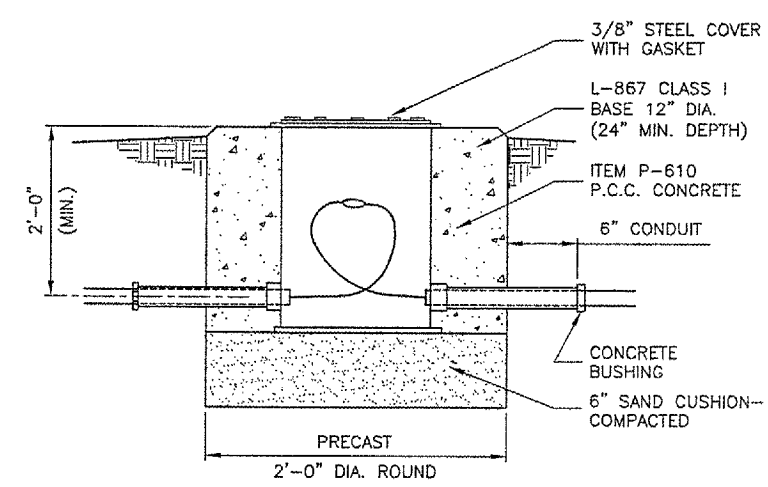
- NOTES
1. INSTALL A NONCORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH SET SCREW.
 2. LEGENDS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO COORDINATE LEGEND WITH AIRPORT.
 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.



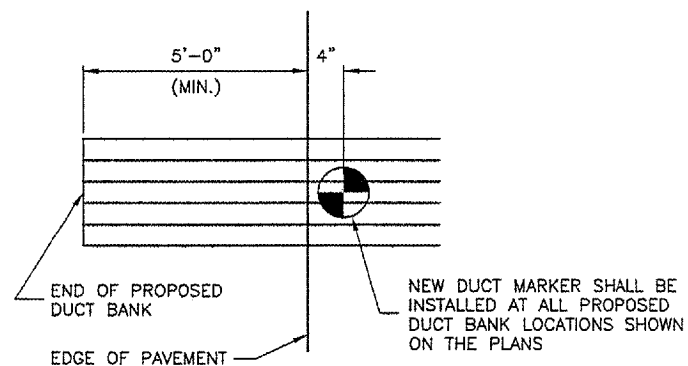
LIGHT IDENTIFICATION DETAIL
 N.T.S.



LIGHT AND CABLE INSTALLATION DETAIL
 N.T.S.



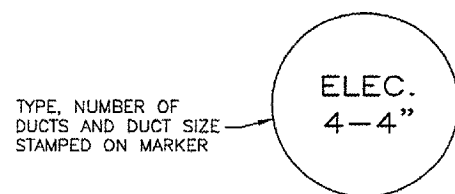
SPLICE CAN DETAIL
 N.T.S.



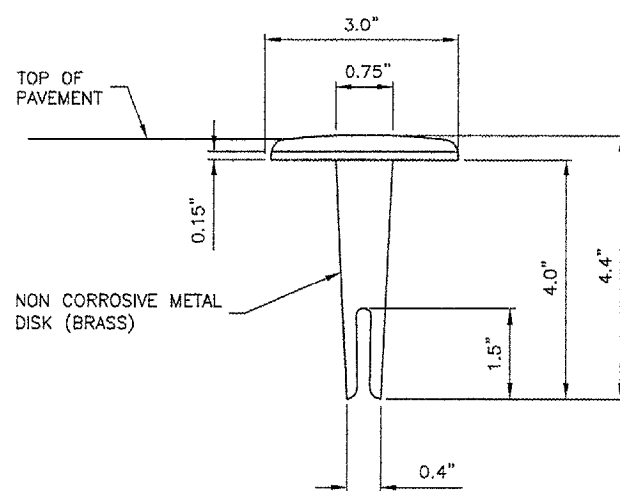
NEW DUCT MARKER SHALL BE INSTALLED AT ALL PROPOSED DUCT BANK LOCATIONS SHOWN ON THE PLANS

DUCT MARKERS SHALL BE RECESSED AND GROUTED INTO THE PAVEMENTS.

MARKER PLACEMENT



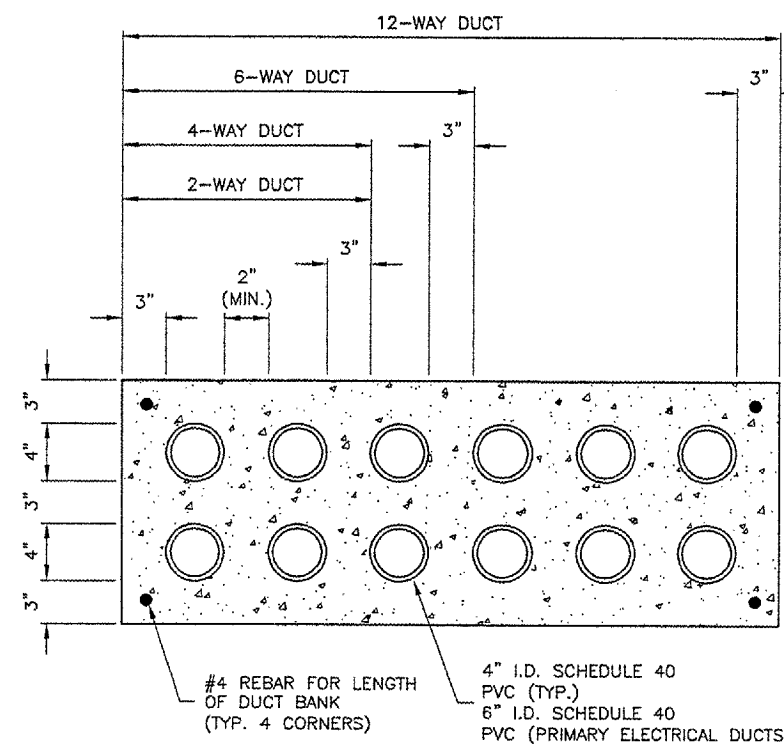
PLAN



SECTION

DUCT MARKER DETAILS

N.T.S.



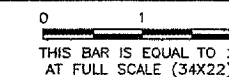
DUCT BANK DETAIL

N.T.S.

NOTES

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

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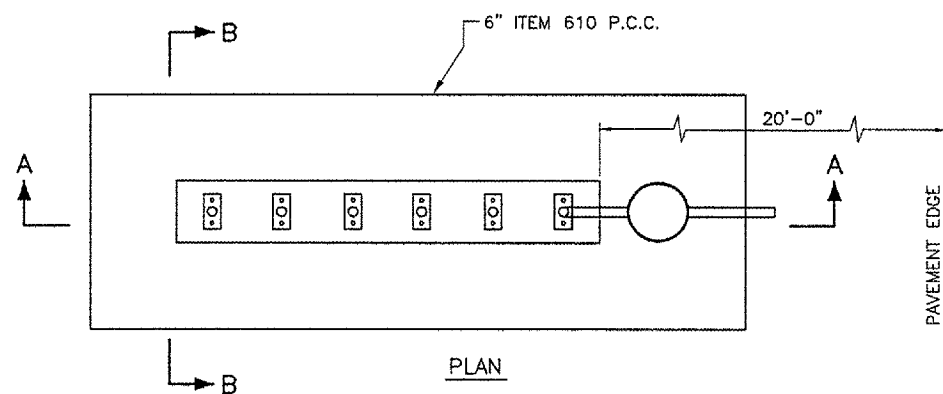
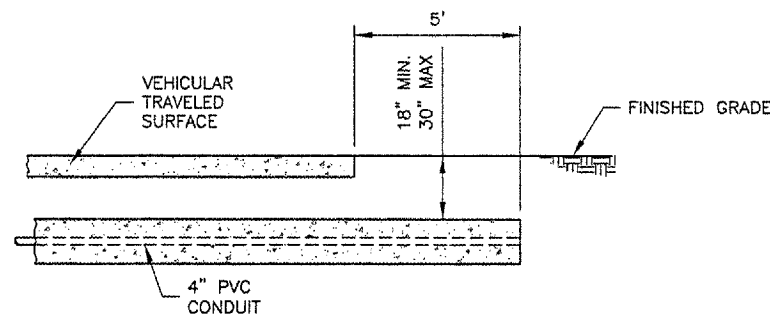
VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 ELECTRICAL DETAILS SHEET 2

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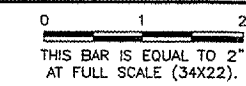


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DRAWN BY:	DPA
CHECKED BY:	SMH
APPROVED BY:	JEF
DATE:	01/13/2006
JOB No:	05042-0300
ILLINOIS PROJECT	DNV-3537
A.I.P. PROJECT	3-17-0032-B10
SHEET	17 OF 29 SHEETS



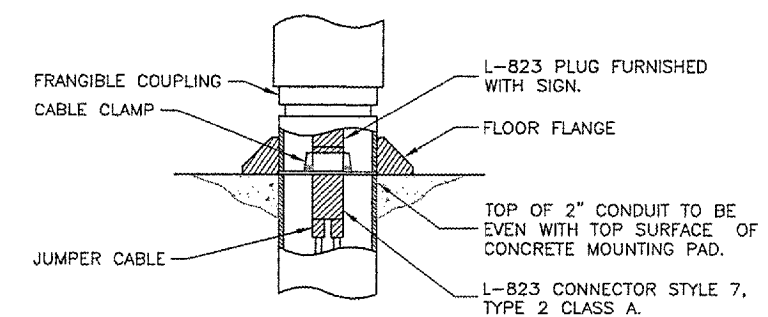
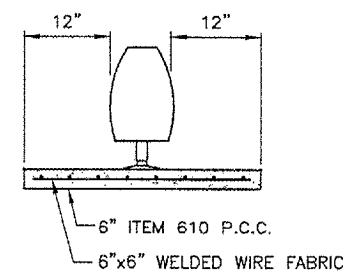
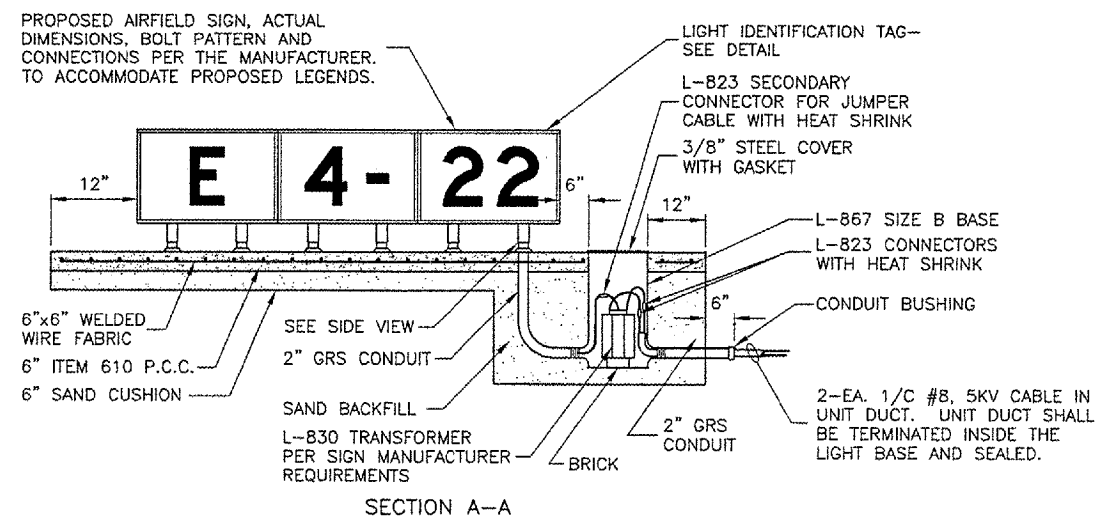
SIGN SCHEDULE						
SIGN NO.	SIDE	PROPOSED SIGN LEGEND	WHITE LEGEND WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	PROPOSED NUMBER OF CHARACTERS
1	N S	← A 21-3 A1 →	21-3	← A A1 →		9
2	N S	← A1		← A1		3
3	W E	A2 (M) 21-3 (E)	21-3 (E)		A2 (M)	6
4	N S	← A2		← A2		3
5	W E	A2 (M) A (E) 21-3 (E) A2 (M)	21-3 (E)	(E) A (E)	A2 (M) A2 (M)	6
6	N S	← A3 (M) A A (E) 21 ↑ (E)		← A3 (M) A A (E) 21 ↑ (E)	A (E)	6
7	N S	A3 (M) →		A3 (M) →		3
8	N S	← A3 (M)		← A3 (M)		2
9	W E	A (E) 21-3 (E)	21-3 (E)		A (E)	5
10	W E	21-3 (E) A (E) A ↑ A3 (M) A (E)	21-3 (E)	A (E) ↑ A (E)	A (E) A3 (M)	6
11	W E	A (E) A A3 (M) APRON ↑ (E)		A (E) A3 (M) APRON ↑ (E)	A (E)	6

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

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH PROPOSED LEGENDS FOR APPROVAL PRIOR TO STARTING MANUFACTURE.
 (E) - EXISTING SIGN PANEL TO REMAIN
 (M) - MODIFIED SIGN PANEL ON EXISTING SIGN



L-858 AIRFIELD SIGN DETAILS
N.T.S.

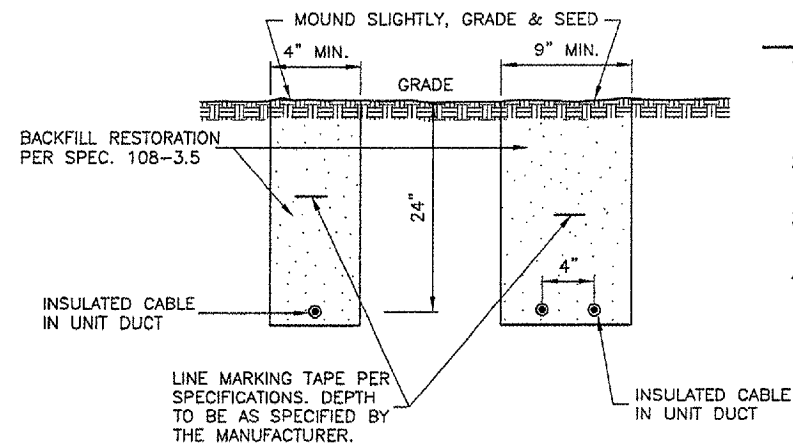
ELECTRICAL CONNECTION DETAIL
N.T.S.

- NOTES**
1. TRANSFORMER WATTAGE SHALL BE AS REQUIRED BY SIGN MANUFACTURER.
 2. SIGN LEGEND SHALL BE AS SHOWN IN THE PLANS.
 3. SIGNS SHALL BE SIZE 2 STYLE 2, CLASS 2.

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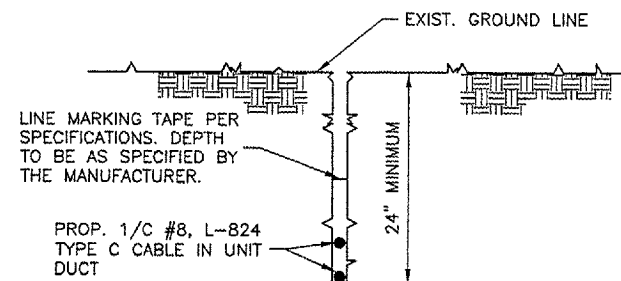
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CHECKED BY:	SMH
APPROVED BY:	JEF
DATE:	01/13/2006
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 18 OF 29 SHEETS	



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

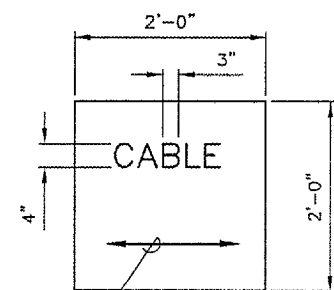
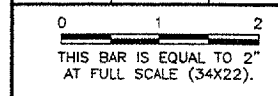


NOTE: WHERE TWO UNIT DUCTS ARE TO BE INSTALLED, CONTRACTOR MAY PLOW UNIT DUCTS SEPERATELY (SIDE BY SIDE)

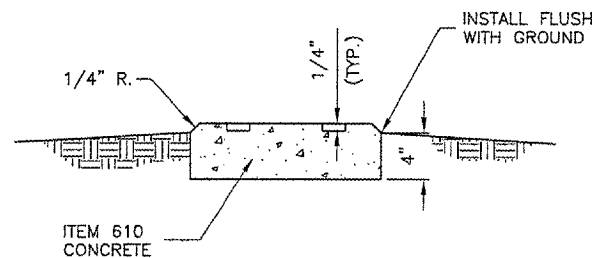
CABLE IN UNIT-DUCT - PLOWED
N.T.S.

REVISIONS

NUMBER	BY	DATE

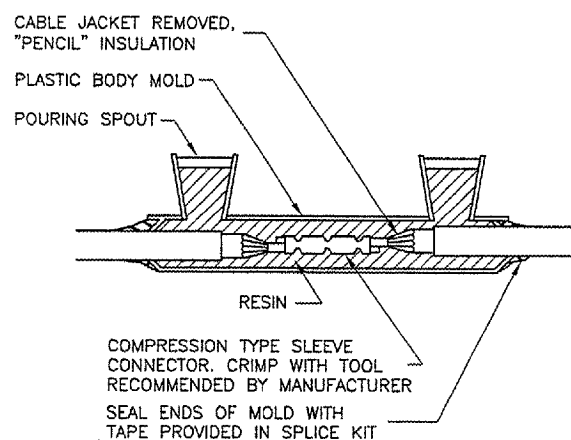


ARROW TO INDICATE THE DIRECTION OF THE CABLE RUN



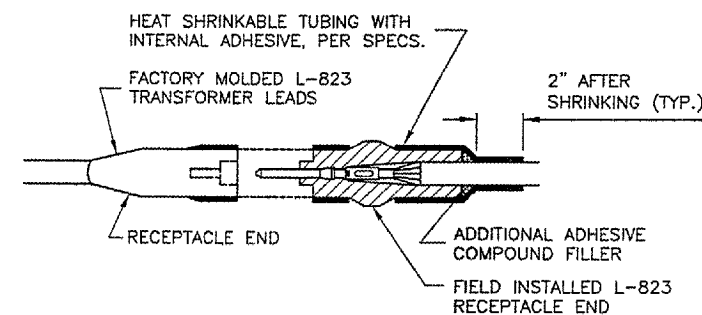
TURF CABLE / SPLICE MARKER
N.T.S.

- 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.



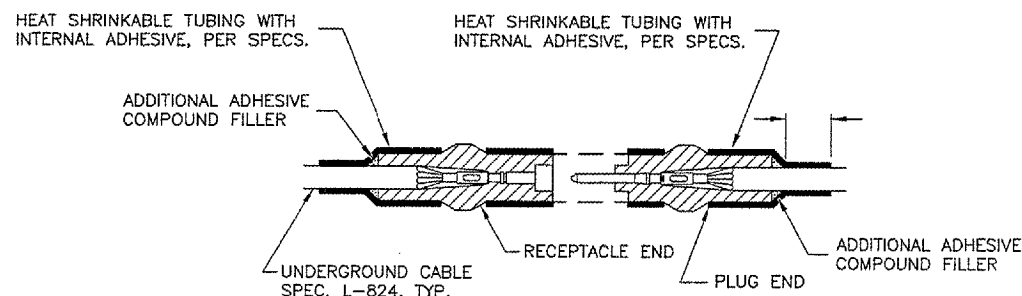
FOR IN-LINE CONNECTIONS OF EXISTING CABLES CUT DURING CONSTRUCTIONS.

TYPE A



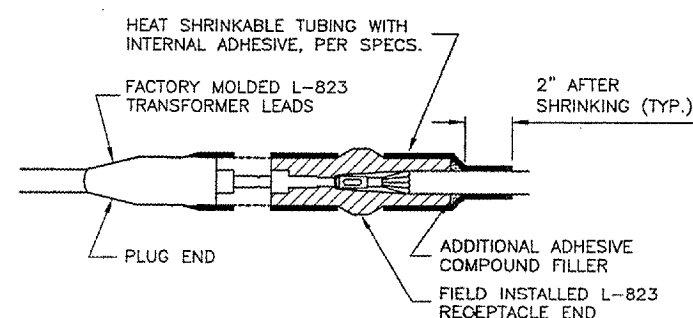
FOR SPLICES AT TAXIWAY LIGHTS AND SIGNS.

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.

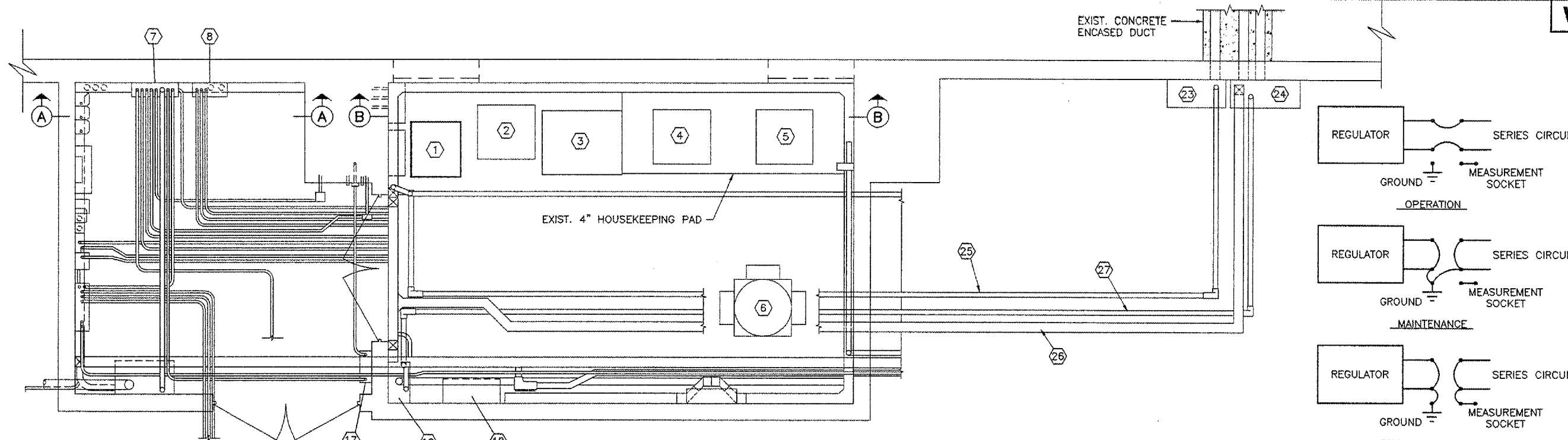
NOTES

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.

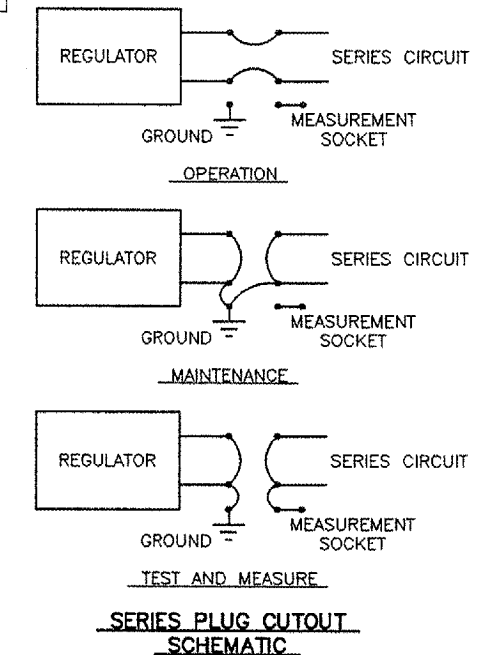
VERMILION COUNTY AIRPORT
DANVILLE, ILLINOIS
EXTEND PARALLEL TAXIWAY 600 FEET
ELECTRICAL DETAILS SHEET 4

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CHECKED BY:	SMH
APPROVED BY:	JEF
DATE:	01/13/2006
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 19 OF 29 SHEETS	

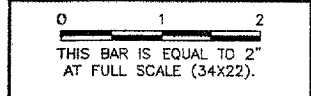


BASEMENT OF TERMINAL BUILDING-EXISTING
 1/2"=1'-0"



SERIES PLUG CUTOUT SCHEMATIC

REVISIONS		
NUMBER	BY	DATE

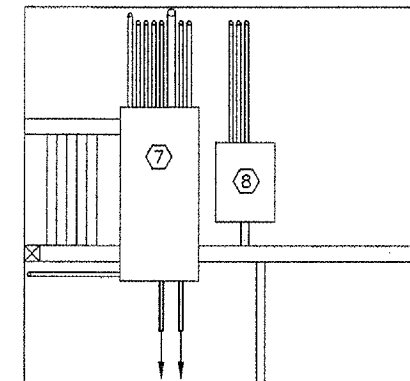


**VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS**
EXTEND PARALLEL TAXIWAY 600 FEET
VAULT DETAILS

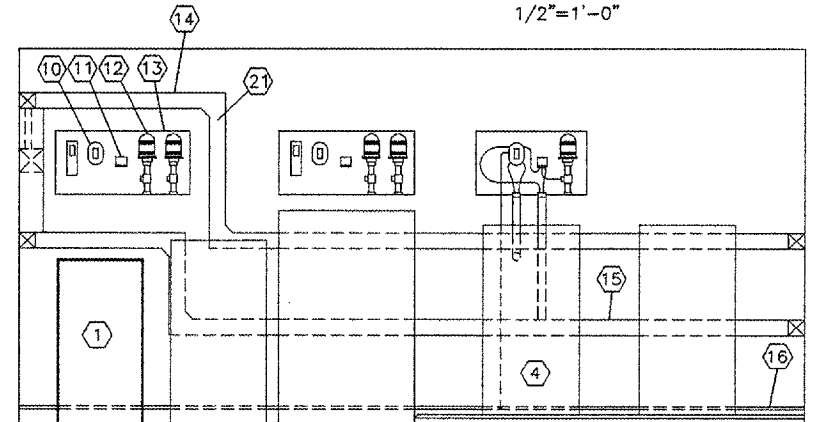
WIRING AND EQUIPMENT NOMENCLATURE

- ① EXISTING 10 KW REGULATOR FOR TAXIWAY A, A1 AND A2 (LIGHTING CIR #1) 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT. REPLACE WITH NEW 15 KW REGULATOR, 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT, RECONNECT EXISTING CONTROL AND OUTPUT WIRING.
- ② EXISTING 7-1/2 KW REGULATOR FOR RUNWAY 16/34 AND TAXIWAY D, 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT.
- ③ EXISTING 15 KW REGULATOR FOR TAXIWAY C AND C1 (LIGHTING CIR #2), 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT.
- ④ EXISTING 7.5 KW REGULATOR FOR TAXIWAY B (LIGHTING CIR #3), 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT.
- ⑤ SPARE 7.5 KW REGULATOR
- ⑥ EXISTING 30 KW REGULATOR FOR RUNWAY 3/21, 5-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT.
- ⑦ EXISTING 225 AMP 120/ 240 VAC 3 PHASE, 4 WIRE, AIRFIELD LIGHTING POWER PANEL, GE CAT NO NLAB STYLE 5B. WITH 225 AMP MAIN BREAKER.
- ⑧ EXISTING AIRFIELD LIGHTING SUBPANEL, SIEMENS CAT NO. 11X18MC250A, TYPE S1. INSTALL 100 AMP, 2 POLE BOLT ON CIRCUIT BREAKER FOR POWER OF PROPOSED REGULATOR FOR LIGHTING CIRCUIT #1. REVISE CIRCUIT DIRECTORY AS REQUIRED. INSTALL 2 #2 THWN, 1 #6 GND. IN 1/2" GRSC FROM SUB PANEL TO REGULATOR.
- ⑨ (RESERVED)
- ⑩ SERIES PLUG CUTOUT.
- ⑪ L-830-1 30/45 WATT ISOLATION TRANSFORMER.
- ⑫ L-861T TAXIWAY EDGE LIGHT.
- ⑬ MOUNTING PANEL, 12 GAUGE STEEL WITH BAKED ENAMEL FINISH.
- ⑭ EXISTING 4" X 4" LOW VOLTAGE WIREWAY.
- ⑮ EXISTING 4" X 4" HIGH VOLTAGE WIREWAY.
- ⑯ EXISTING GROUND BUS BAR.
- ⑰ EXISTING L-854 AIR-TO-GROUND RADIO CONTROLLER.
- ⑱ EXISTING L-821 VAULT CONTROL PANEL.
- ⑲ EXISTING CONTROL RELAY AND JUNCTION CABINET.
- ⑳ (RESERVED)
- ㉑ **PROPOSED 2 - 1/C #2 THWN, 1 #6 GROUND (POWER) AND 5 #12 THWN (CONTROL) IN 1" LIQUIDTIGHT FLEXIBLE CONDUIT FROM REGULATOR TO LOW VOLTAGE WIREWAY. POWER CONDUCTORS TO THEN BE ROUTED IN EXISTING WIREWAY AS NEEDED TO AIRFIELD LIGHTING SUBPANEL. CONTROL CONDUCTORS TO THEN BE ROUTED IN EXISTING WIREWAY AS NEEDED TO EXISTING RELAY CONTROL CABINET.**
- ㉒ (RESERVED)
- ㉓ EXIST. 24"x24"x12" JUNCTION BOX - HIGH VOLTAGE.
- ㉔ EXIST. 28"x28"x12" JUNCTION BOX - LOW VOLTAGE.
- ㉕ EXIST. 2" RIGID CONDUIT.
- ㉖ EXIST. 4"x4" LOW VOLTAGE WIREWAY.
- ㉗ EXIST. 3" RIGID CONDUIT WITH CONTROL CONDUCTORS.

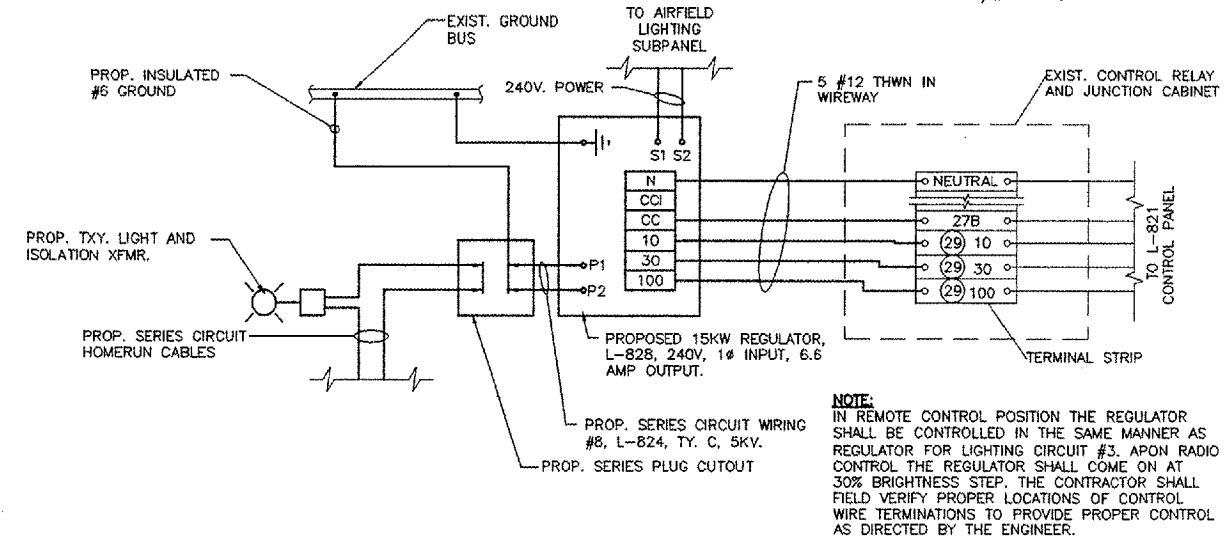
NOTE:
 PROPOSED WORK SHOWN IN BOLD.



SECTION A
 1/2"=1'-0"



SECTION B PROPOSED
 1/2"=1'-0"



PROPOSED REGULATOR WIRING

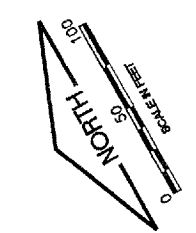
NOTE:
 IN REMOTE CONTROL POSITION THE REGULATOR SHALL BE CONTROLLED IN THE SAME MANNER AS REGULATOR FOR LIGHTING CIRCUIT #3. UPON RADIO CONTROL THE REGULATOR SHALL COME ON AT 30% BRIGHTNESS STEP. THE CONTRACTOR SHALL FIELD VERIFY PROPER LOCATIONS OF CONTROL WIRE TERMINATIONS TO PROVIDE PROPER CONTROL AS DIRECTED BY THE ENGINEER.

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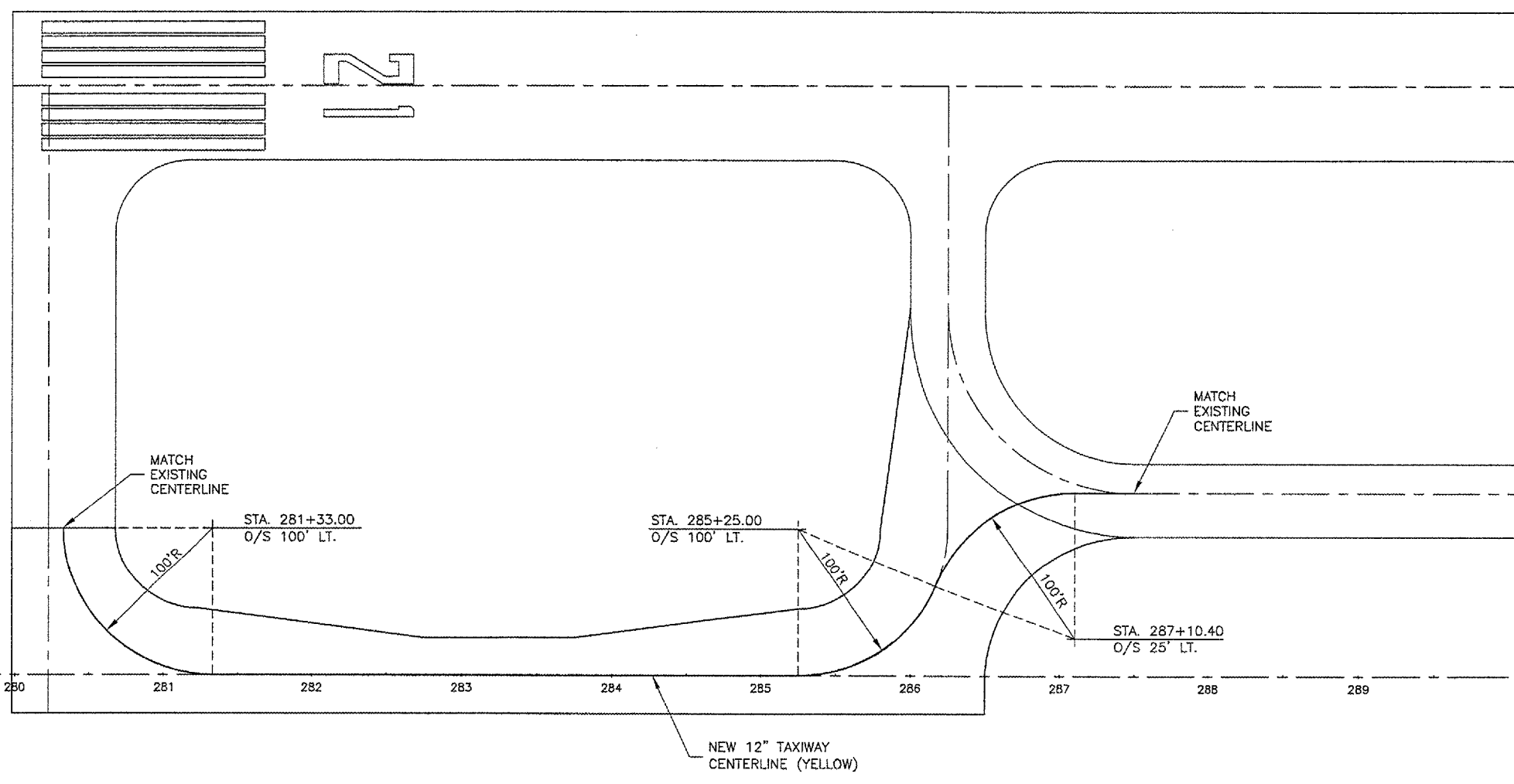
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DRAWN BY:	DLB
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APPROVED BY:	JEF
DATE:	01/13/2006
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	20 OF 29 SHEETS

VE044
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 UPDATE BY: adraughan
 SURVEY BOOK #
 DATE: Thu 1/12/06 2:33pm
 XREF DWG: C:\info.dwg
 DNV-EXISTBASE.DWG
 BASE_PROPGE0.dwg



REVISIONS		
NUMBER	BY	DATE

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

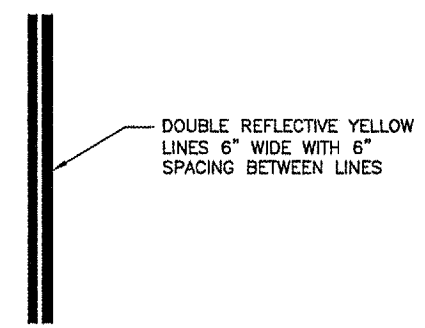


VERMILLION COUNTY AIRPORT
DANVILLE, ILLINOIS
EXTEND PARALLEL TAXIWAY 600 FEET
MARKING PLAN

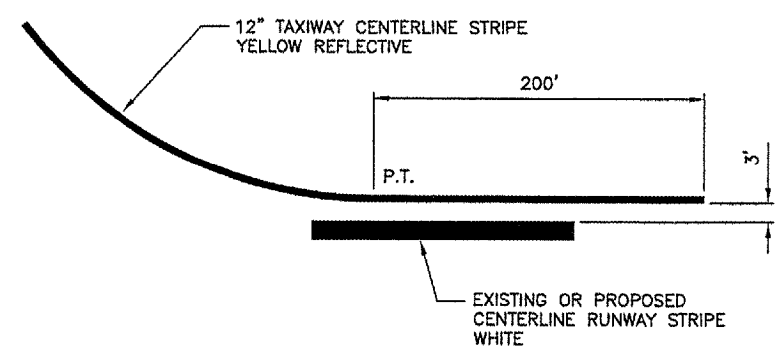
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	21 OF 29 SHEETS

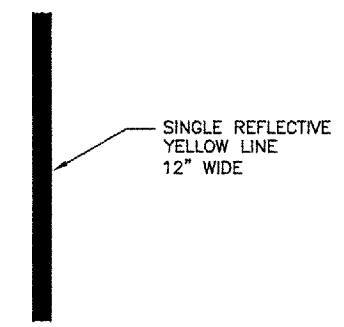


**TAXIWAY EDGE MARKINGS
 (CONTINUOUS)**
 N.T.S.

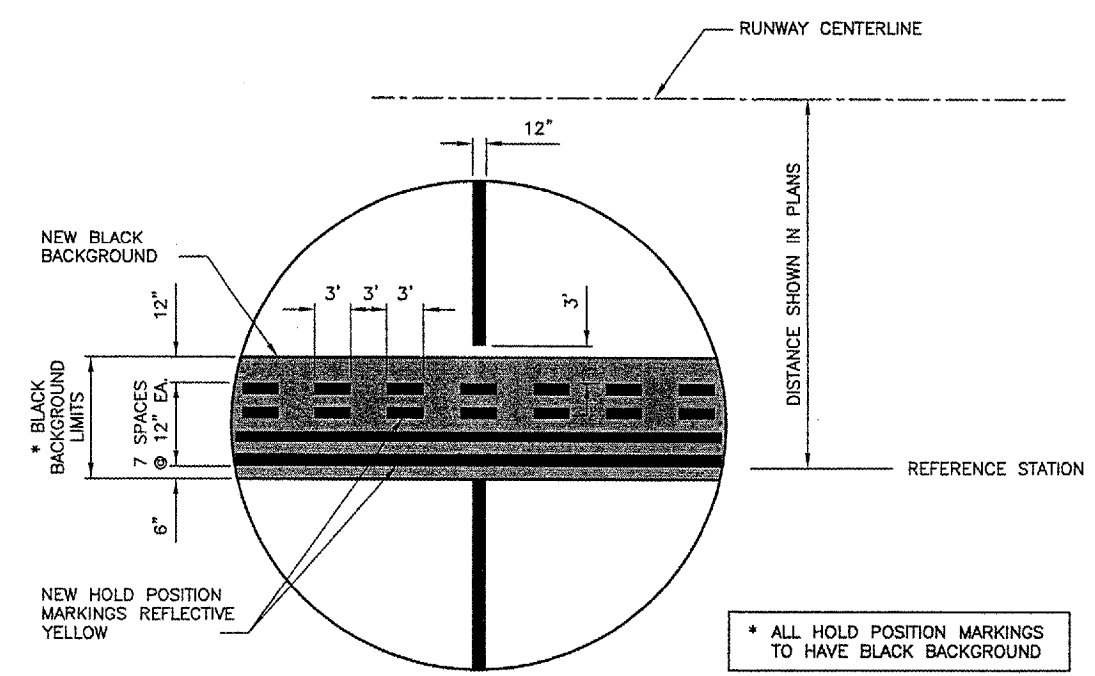


TAXIWAY EXIT MARKING DETAIL
 N.T.S.

NOTE
 1. ALL MARKING WILL BE
 OUTLINED WITH A
 6" BLACK BORDER.



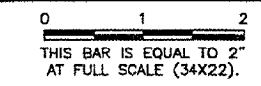
**TAXIWAY CENTERLINE MARKING
 (CONTINUOUS)**
 N.T.S.



RUNWAY HOLD POSITION MARKING DETAIL
 N.T.S.

REVISIONS

NUMBER	BY	DATE



**VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS**

**EXTEND PARALLEL TAXIWAY 600 FEET
 MARKING DETAILS**

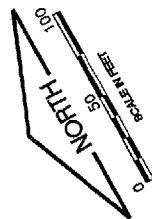
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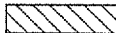

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APPROVED BY:	JEF
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	22 OF 29 SHEETS

VE044

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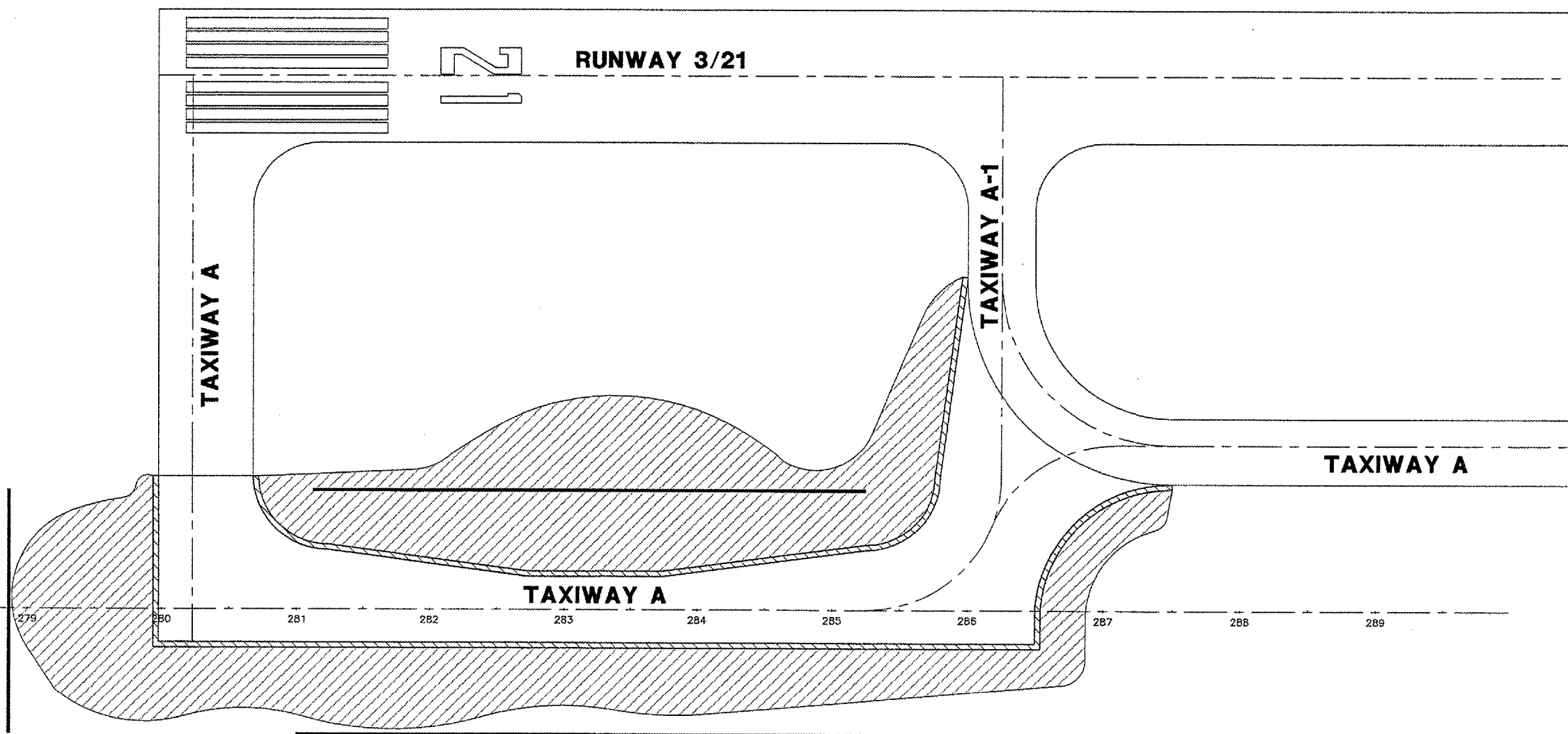
LEGEND

-  NEW SILT FENCE
-  NEW SEEDING & MULCHING
-  NEW SODDING 4'

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

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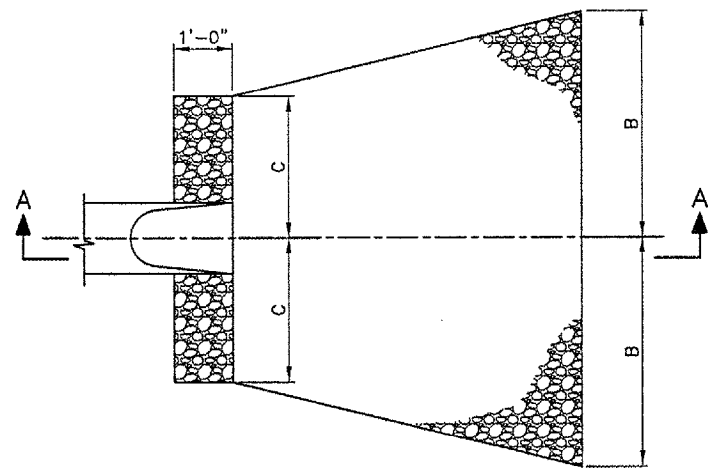
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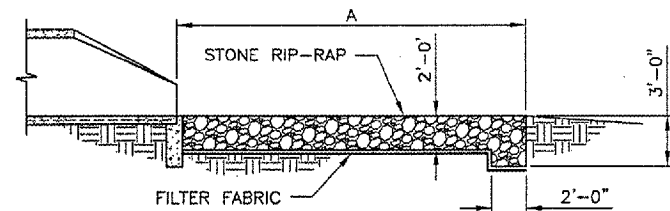
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APPROVED BY:	JEF
DATE:	01/13/2006
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 23 OF 29 SHEETS	

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.



PLAN

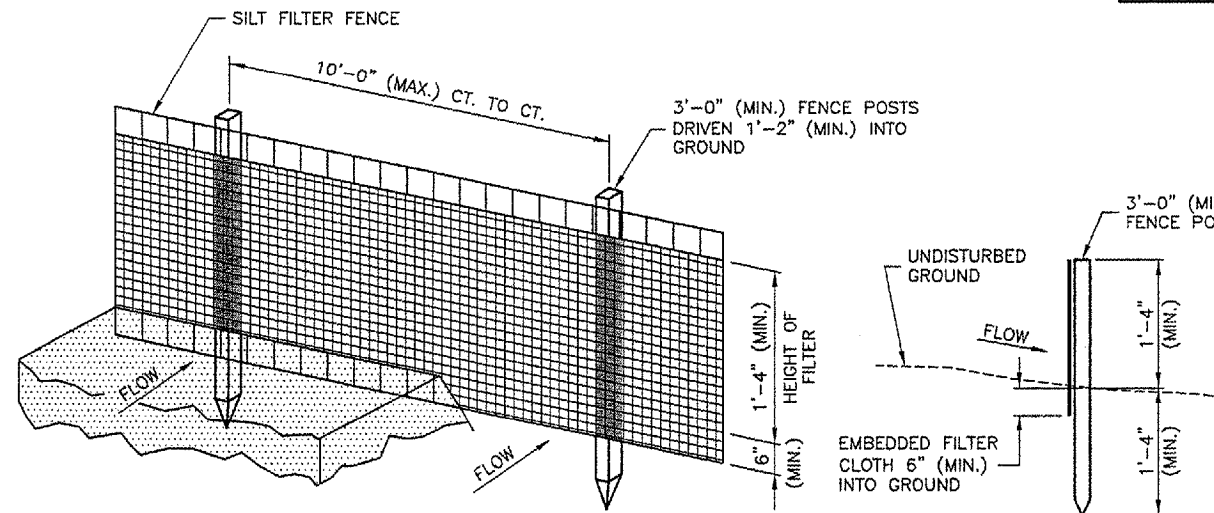


SECTION A-A

DIMENSIONS - TABLE 1			
INSIDE DIAMETER STORM SEWER (IN.)	INLET DIMENSION (FT.)		
	A	B	C
72"	26	16	7

RIP-RAP DETAILS
N.T.S.

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



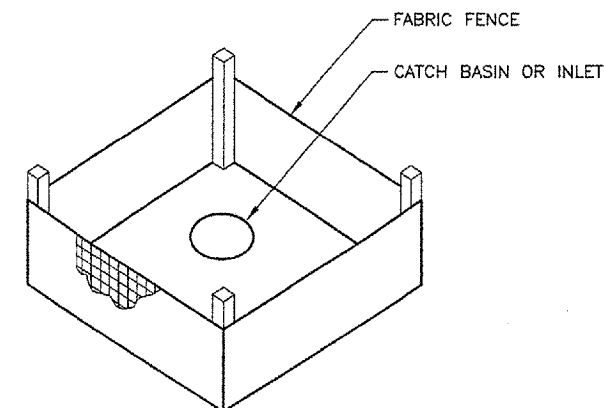
PERSPECTIVE VIEW

SECTION

EROSION CONTROL FABRIC FENCE DETAIL
N.T.S.

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 SHALL BE OVERLAPPED BY 6" MINIMUM AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. MAINTENANCE, WHICH INCLUDES THE REPLACEMENT OF DAMAGED FENCE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE EROSION CONTROL FENCE.



INLET PROTECTION WITH FABRIC
N.T.S.

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (3/4"x22).

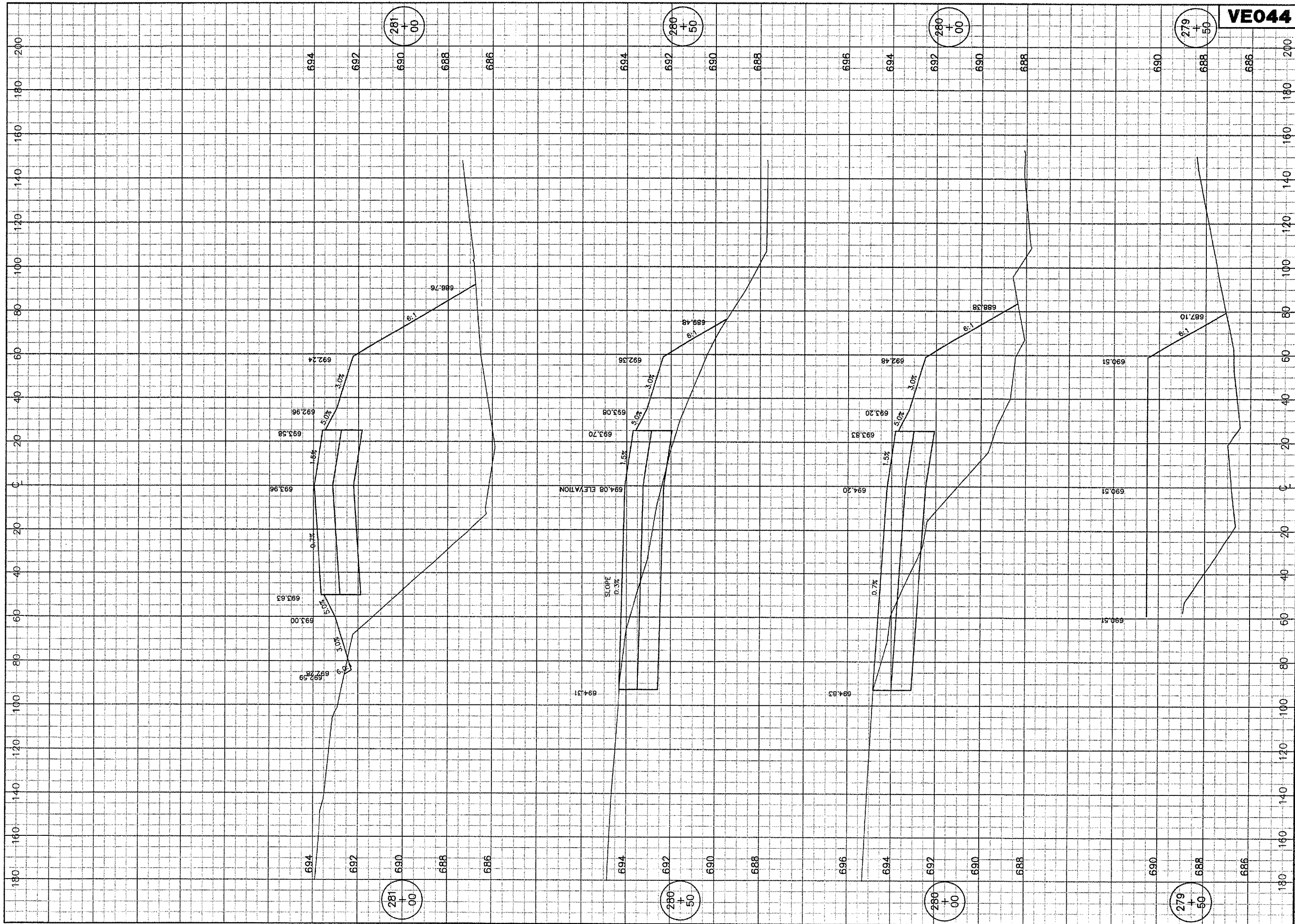
VERMILLION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 EXTEND PARALLEL TAXIWAY 600 FEET
 EROSION CONTROL DETAILS

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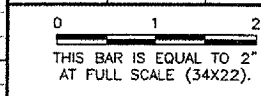
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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET 24 OF 29 SHEETS	



VE044

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NUMBER	BY	DATE

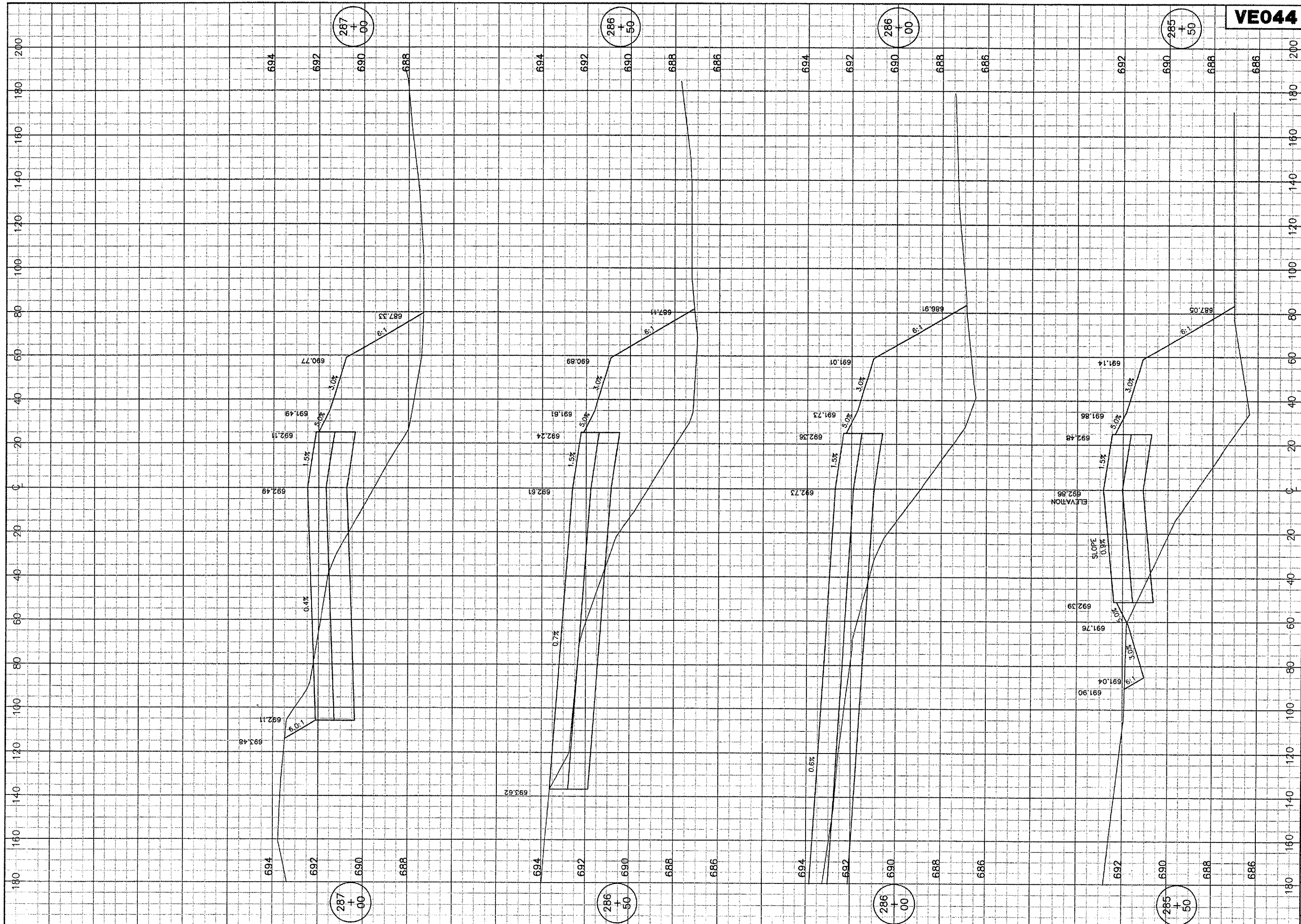


**VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS**

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

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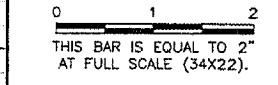
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JOB No:	05042-0300
ILLINOIS PROJECT	DNV-3537
A.I.P. PROJECT	3-17-0032-B10
SHEET 25 OF 29 SHEETS	



VE044

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 rc005001.dwg

REVISIONS		
NUMBER	BY	DATE



VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS

EXTEND PARALLEL TAXIWAY 600 FEET
 TAXIWAY A CROSS SECTIONS
 STA. 285+50 TO STA. 287+00

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ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	29 OF 29 SHEETS