

NOTES:

- 1) ALL DUCTS SHALL BE CONED IN HANDHOLES.
- 2) ALL DUCTS SHALL BE GS-CONDUIT & GS 90 DEG. ELBOWS USED WHERE NEEDED.
- 3) ALL DUCTS ENTER HANDHOLE AT MINIMUM DEPTH OF 762 mm (30 INCH)
- 4) ALL HANDHOLE COVERS SHALL READ "IDOT TSC".
- 5) ALL CABINET HANDHOLES SHALL BE HEAVY DUTY.
- 6) DUCTS SHALL BE CENTERED IN CABINET FOUNDATION/HANDHOLE AS SHOWN.

- 7) CONDUITS SHALL BE SPACED 305 mm (1 FOOT) CENTER TO CENTER IN HEAVY DUTY HANDHOLE.
- 8) INSTALL 20 mm X 3 m (3/4" X 10') COPPER CLAD STEEL GROUND ROD IN HDHH PROVIDED AS CABINET PAD. EXOTHERMIC WELD CONNECTION FROM GROUND ROD TO #6 GROUND WIRE INSULATED (GREEN).
- 9) BOND ALL GSC CONDUITS IN CABINET FOUNDATION.
- 10) INSTALL #6 GROUND WIRE IN 25 mm (1") GSC FROM HANDHOLE TO CABINET.
- 11) TYPE "D" FOUNDATION SHALL BE 18" FROM TOP OF FOUNDATION TO FINISH GRADE.

FILE NAME = YORRKY.dgn
YORRKY.dgn

USER NAME = IDOT(eng)
PLOT SCALE = 1"=12"
PLOT DATE = 1/14/2010

DESIGNED -
DRAWN - BLV
CHECKED - SRG
DATE - 1/18/10

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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

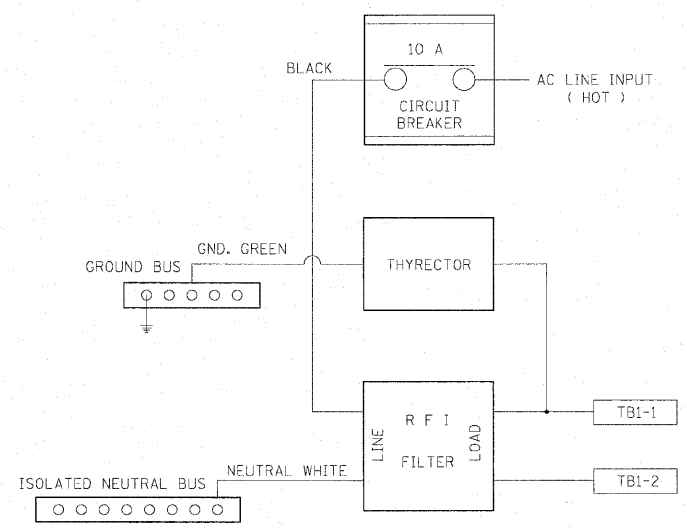
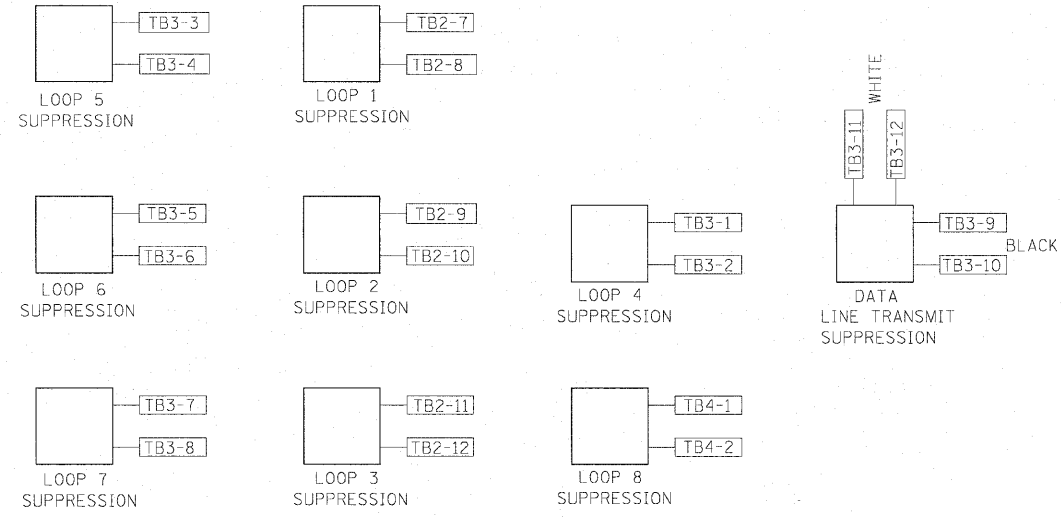
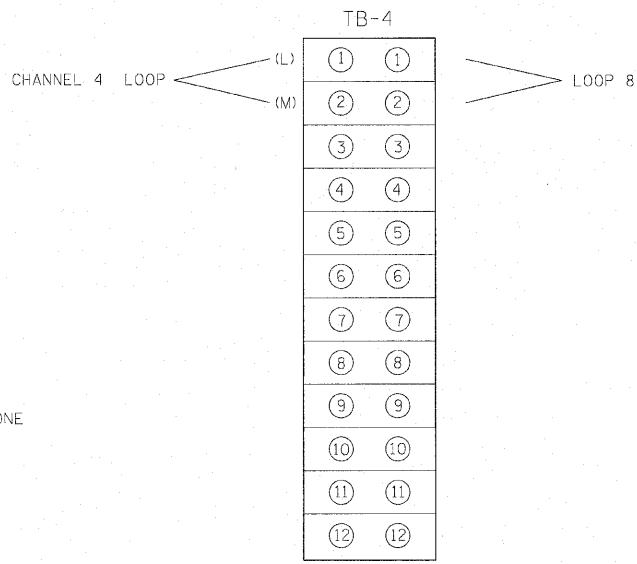
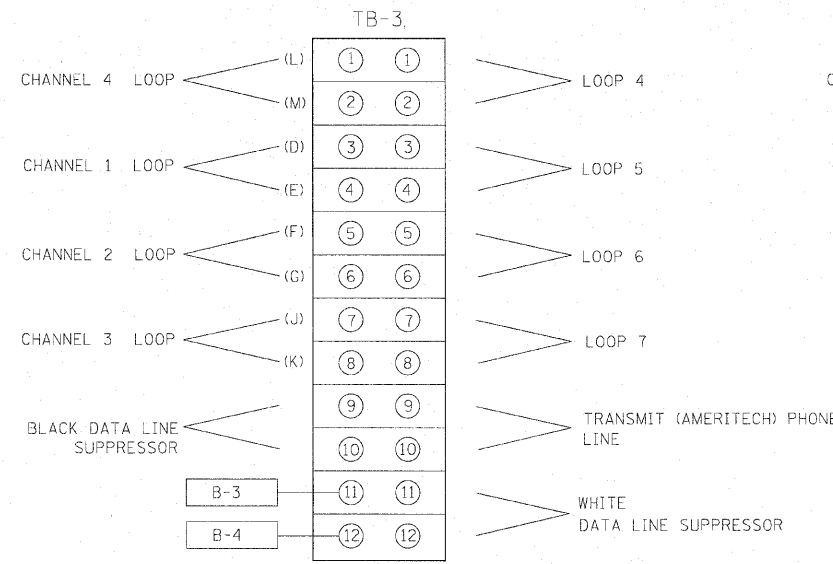
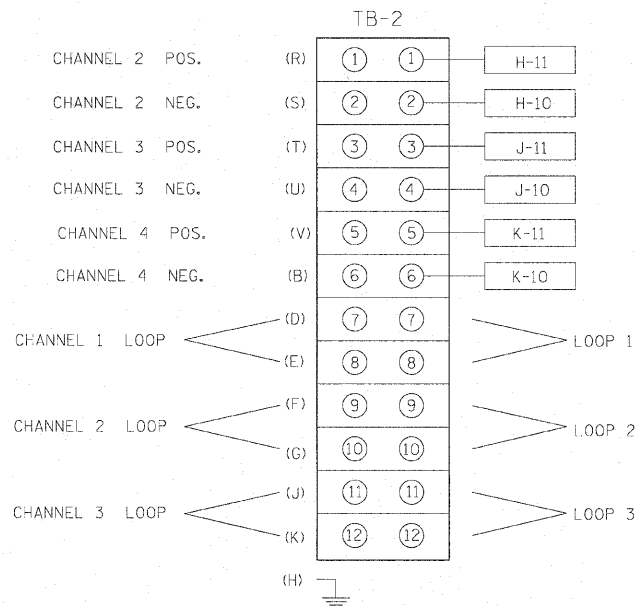
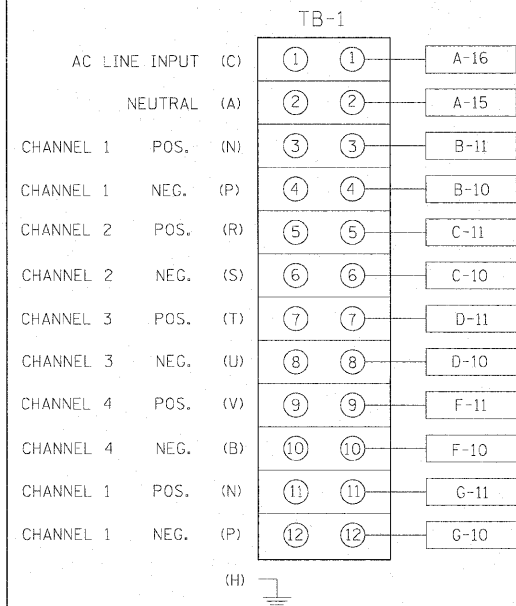
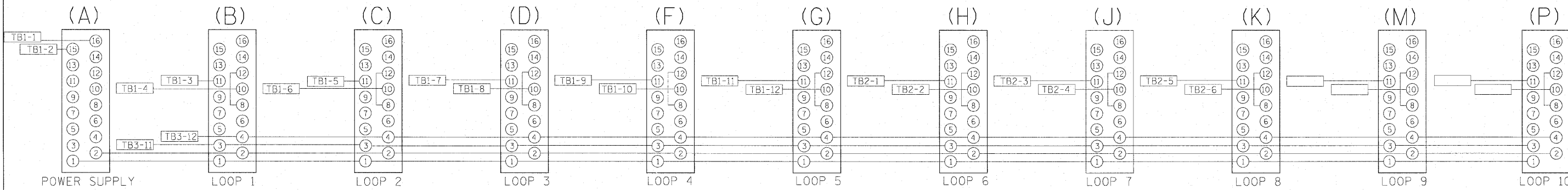
CABINET - HANDHOLE
CONDUIT DETAIL

SCALE: N.T.S. SHEET NO. 201 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	(4Y & 22-3R-2	DUPAGE	284	201
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62093	

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#8)

BACK VIEW OF TONE RACK



CABINET NO.

FILE NAME - YORRYP.dgn	USER NAME - IDDT(eng)	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPE 3 CABINET WIRING DIAGRAM	F.A.U. RTE. 3537	SECTION (4Y & 22-3/R-2)	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 202
YORRYP.dgn	PLOT SCALE - 1"=12"	DRAWN - BLV	REVISED -			CONTRACT NO. 62093				
	PLOT DATE - 1/14/2010	CHECKED - SRG	REVISED -			SCALE: N.T.S. SHEET NO. 202 OF SHEETS STA. TO STA.				
		DATE - 1/18/10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

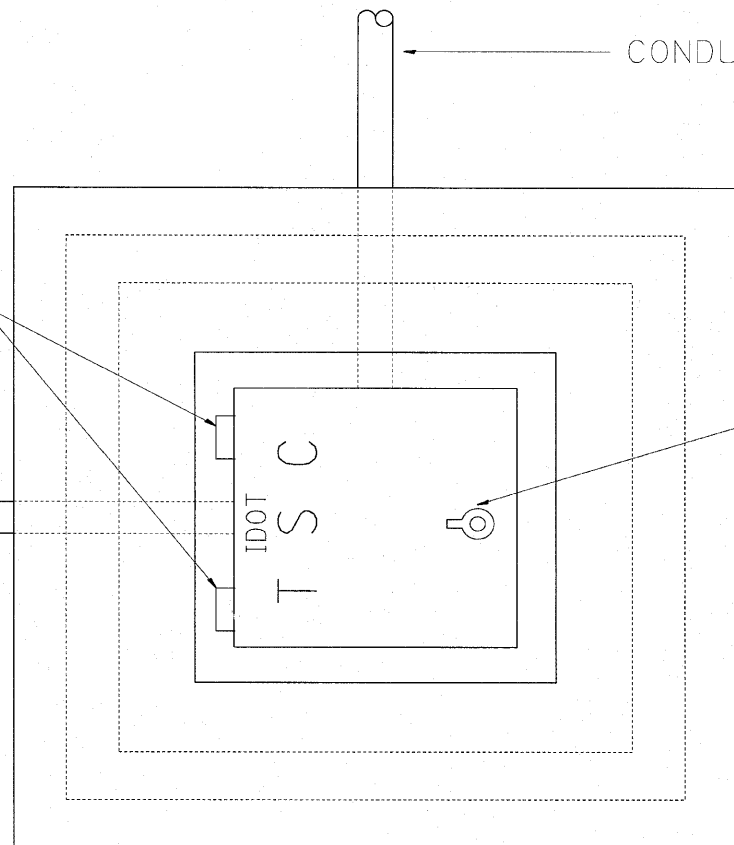
TRAFFIC SYSTEMS CENTER (TY-1TSC-400#8)

TYPE "T" HINGES REQUIRED ONLY ON
ON HEAVY DUTY SPECIAL.

CONDUIT TYP.

CONDUIT TYP.

TYPE "G" HANDLE FOR BOTH HDHH AND HDHH SPECIAL



HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

A	711 mm (28")
B	559 mm (22")
C	200 mm (8")

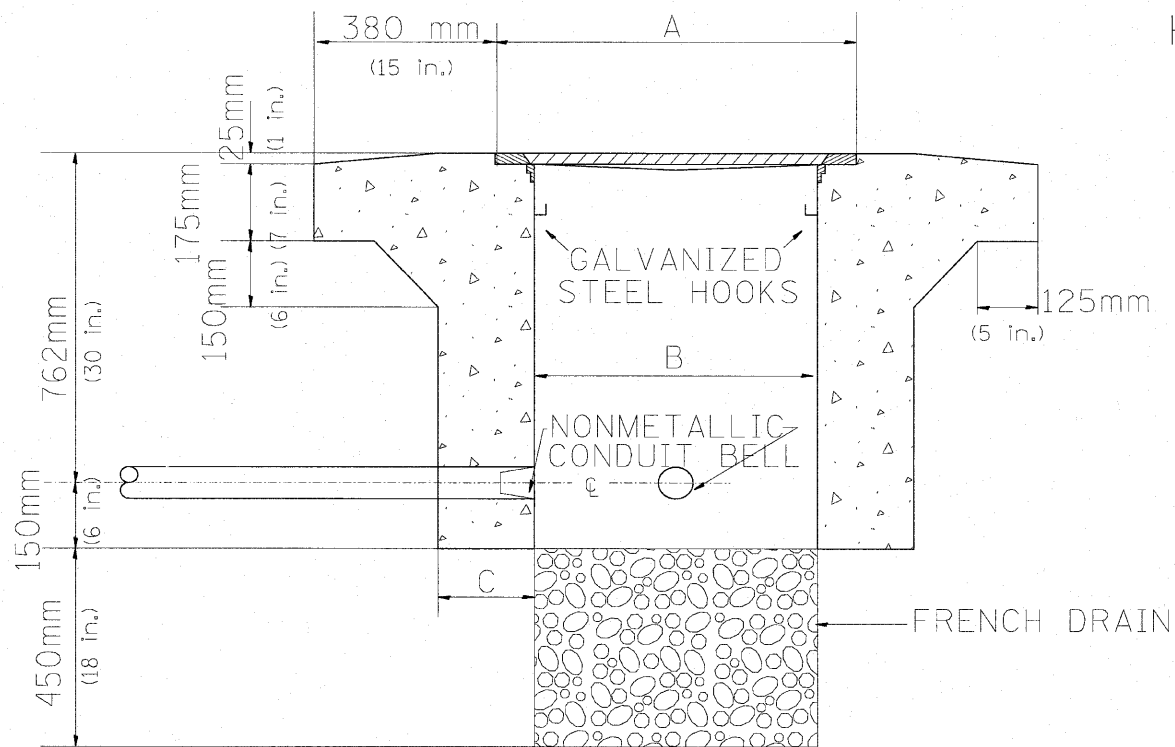
(FRAME AND COVER 118 Kg. (260 LBS.) MIN.)

PLAN

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	800 mm (31.5")
B	762 mm (30")
C	250 mm (10")

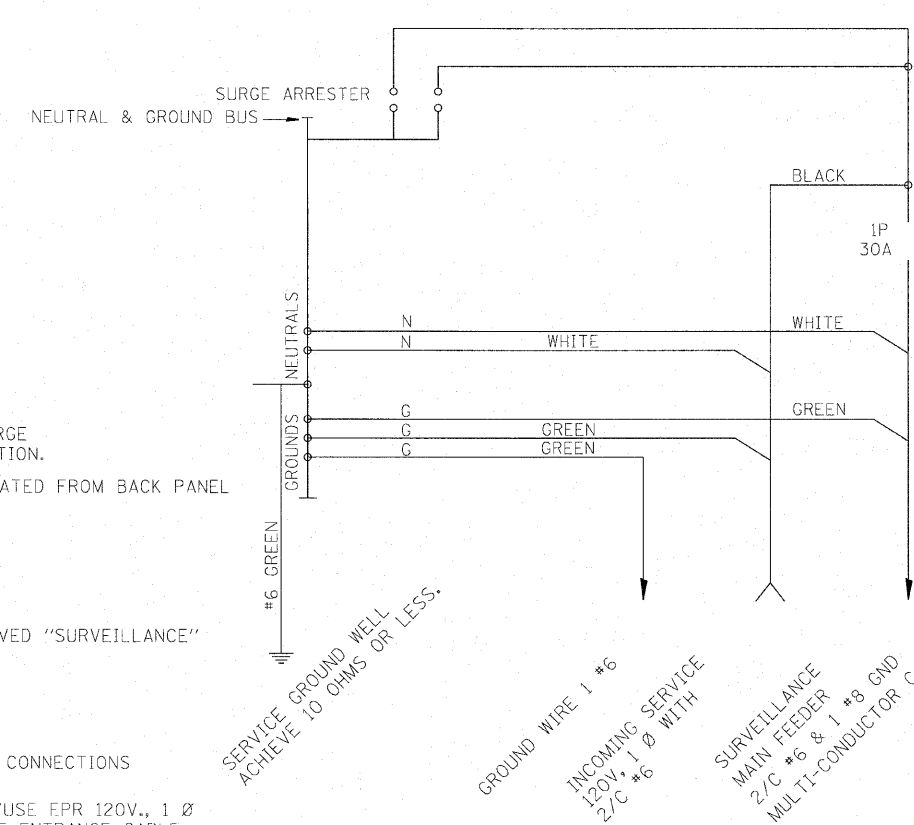
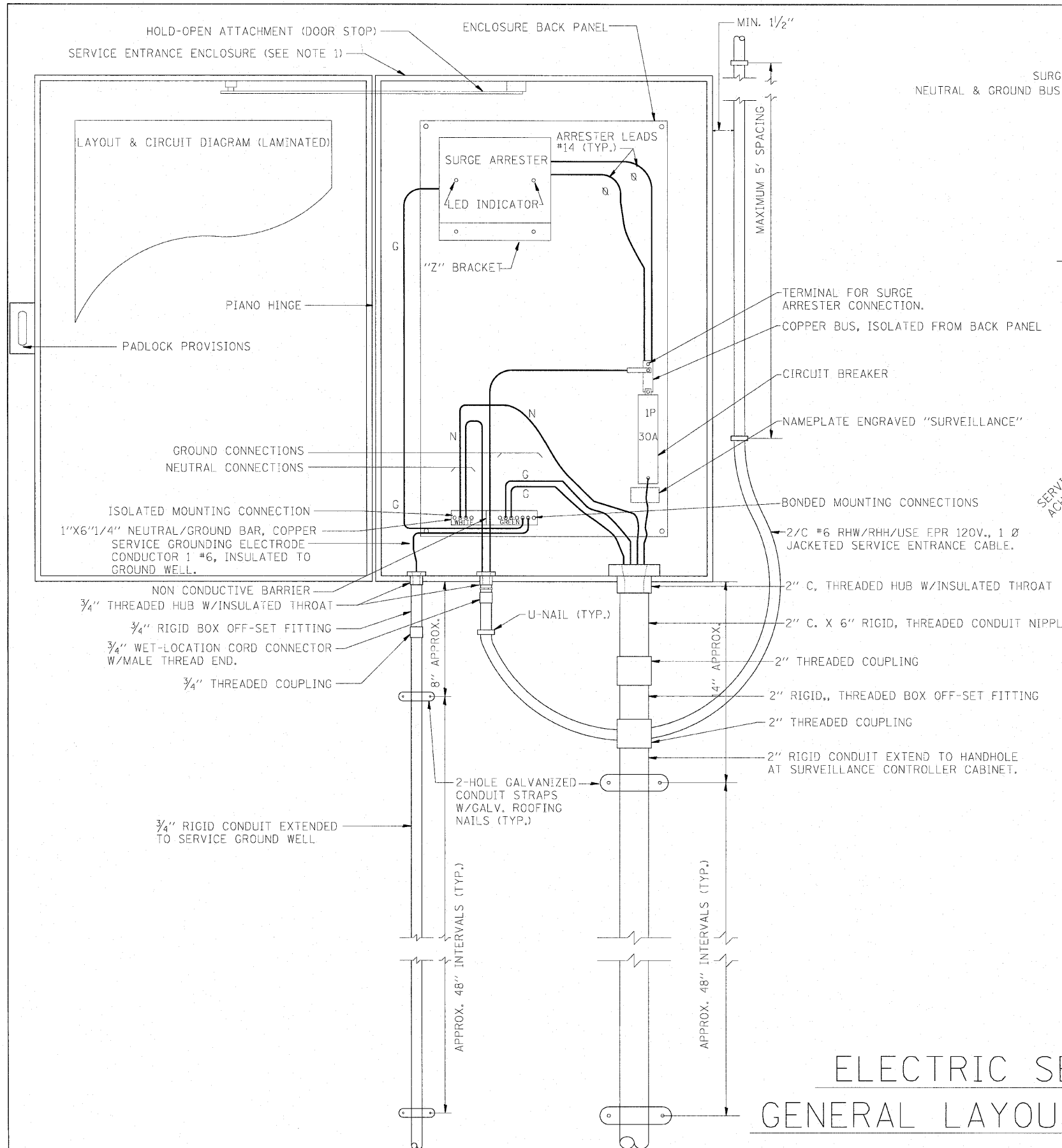
(FRAME AND COVER 184 Kg. (405 LBS.))



ELEVATION PC CONCRETE - HEAVY DUTY SPECIAL

FILE NAME = YDRKTYP.dgn	USER NAME = IDDT(eng)	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PC CONCRETE - HEAVY DUTY	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
YDRKTYP.dgn		DRAWN - BLV	REVISED -			3537	(4Y & 22-3(R)-2)	DUPAGE	284	203	
PLOT SCALE = 1"-12"		CHECKED - SRG	REVISED -			CONTRACT NO. 62093					
PLOT DATE = 1/14/2010		DATE - 1/18/10	REVISED -			SCALE: N.T.S.	SHEET NO. 203 OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

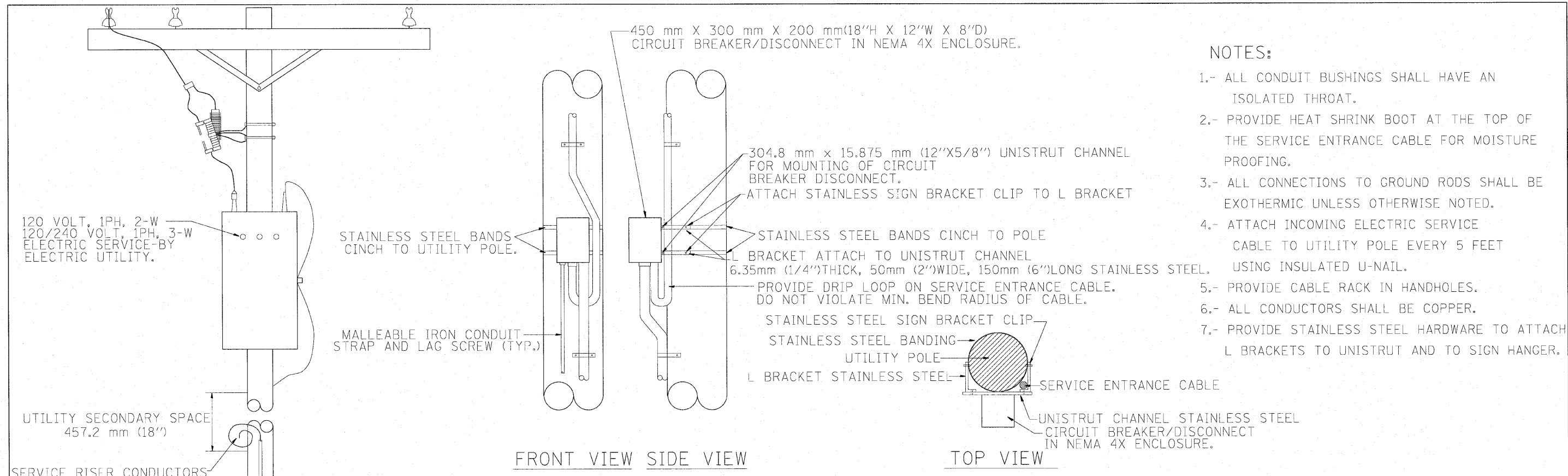
TRAFFIC SYSTEMS CENTER (TY-1TSC-400#15)



- NOTES:**
- 1.- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED. WHERE 120-VOLT SERVICE IS INDICATED, SERVICE DROP CABLE SHALL BE INSTALLED ACCORDINGLY AND LIGHTING MAIN FEEDER CABLE SHALL BE OMITTED.
 - 2.- THE ELECTRIC SERVICE BOX SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"X18"X8", WITH PIANO HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS, DOOR STOP KIT AND STEEL BACK PANEL, HOFFMAN CATALOG A-16H1208SS6LP/A-16P2/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
 - 3.- THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LABELED, SUITABLE FOR USE AS SERVICE EQUIPMENT.
 - 4.- CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
 - 5.- THE SURGE PROTECTOR SHALL BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF >3600 JOULES OR BETTER AT 8/20 MICROSECONDS, RATED -40 TO 65 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV 230L065XST OR APPROVED EQUAL. SURGE PROTECTOR SHALL BE WIRED FOR 120 V SERVICE. FOLLOW MANUFACTURER RECOMMENDED WIRING SPECIFICATIONS.
 - 6.- BUS BARS, CONNECTORS AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS.
 - 7.- THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN, THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE.
 - 8.- A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE AFFIXED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
 - 9.- A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
 - 10.- PROVIDE ON LAYOUT AND CIRCUIT DIAGRAM A BILL OF MATERIALS USED WITH CATALOG NUMBERS.
 - 11.- REFER TO T.S.C. TYPICAL DRAWING TY-1TSC-400*20 FOR POLE MOUNTED DISCONNECT MOUNTING DETAILS.

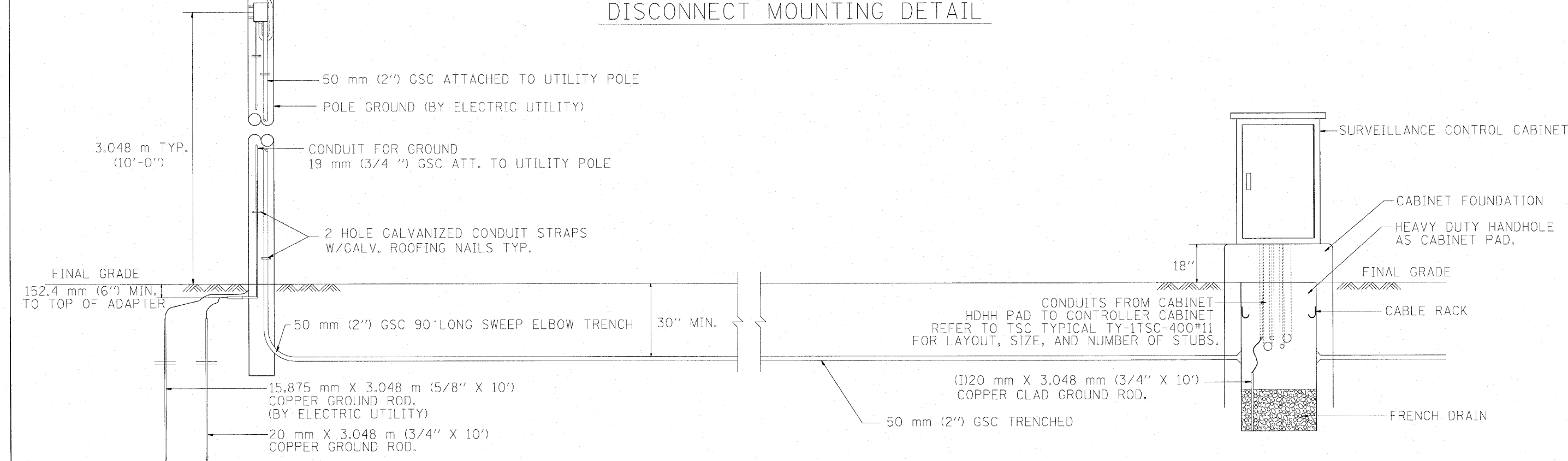
**ELECTRIC SERVICE
GENERAL LAYOUT DIAGRAM**

FILE NAME = YORKTYP.dgn	USER NAME = IDOT(eng)	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 SURVEILLANCE POLE-MOUNTED ELECTRIC SERVICE BOX DETAIL	F.A.J. RTE. 3537	SECTION (4Y & 22-3R-2)	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 204	
PLOT SCALE = 1"=12"	CHECKED - SRC	REVISOR -	REVISOR -			SHEET NO. 204 OF SHEETS STA.	TO STA.	CONTRACT NO. 62093			
PLOT DATE = 1/14/2010	DATE - 1/18/10	REVISOR -	REVISOR -			ILLINOIS FED. AID PROJECT					
						SCALE: N.T.S.					

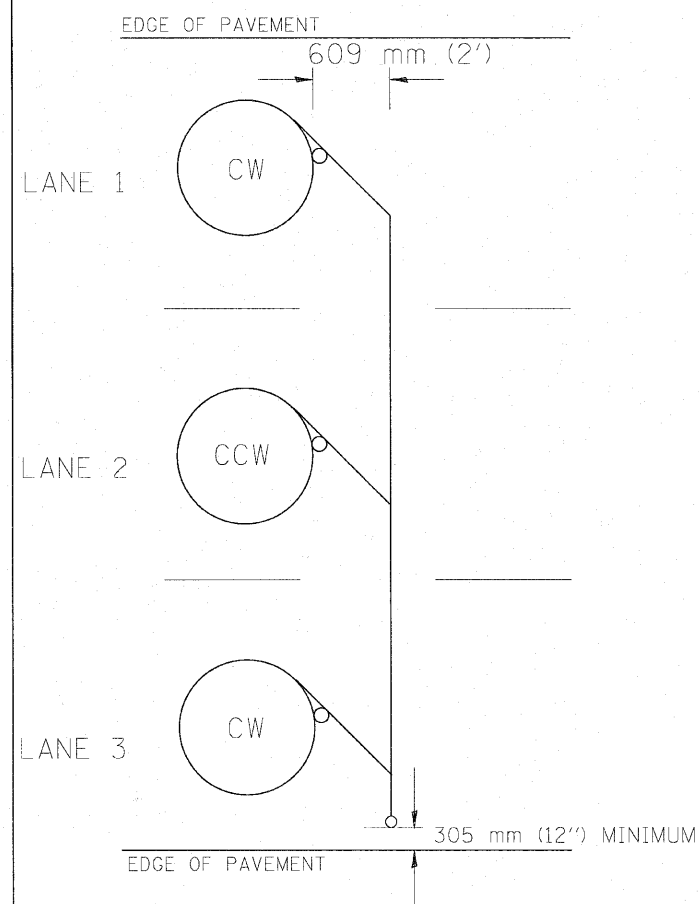


- NOTES:**
- 1.- ALL CONDUIT BUSHINGS SHALL HAVE AN ISOLATED THROAT.
 - 2.- PROVIDE HEAT SHRINK BOOT AT THE TOP OF THE SERVICE ENTRANCE CABLE FOR MOISTURE PROOFING.
 - 3.- ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC UNLESS OTHERWISE NOTED.
 - 4.- ATTACH INCOMING ELECTRIC SERVICE CABLE TO UTILITY POLE EVERY 5 FEET USING INSULATED U-NAIL.
 - 5.- PROVIDE CABLE RACK IN HANDHOLES.
 - 6.- ALL CONDUCTORS SHALL BE COPPER.
 - 7.- PROVIDE STAINLESS STEEL HARDWARE TO ATTACH L BRACKETS TO UNISTRUT AND TO SIGN HANGER.

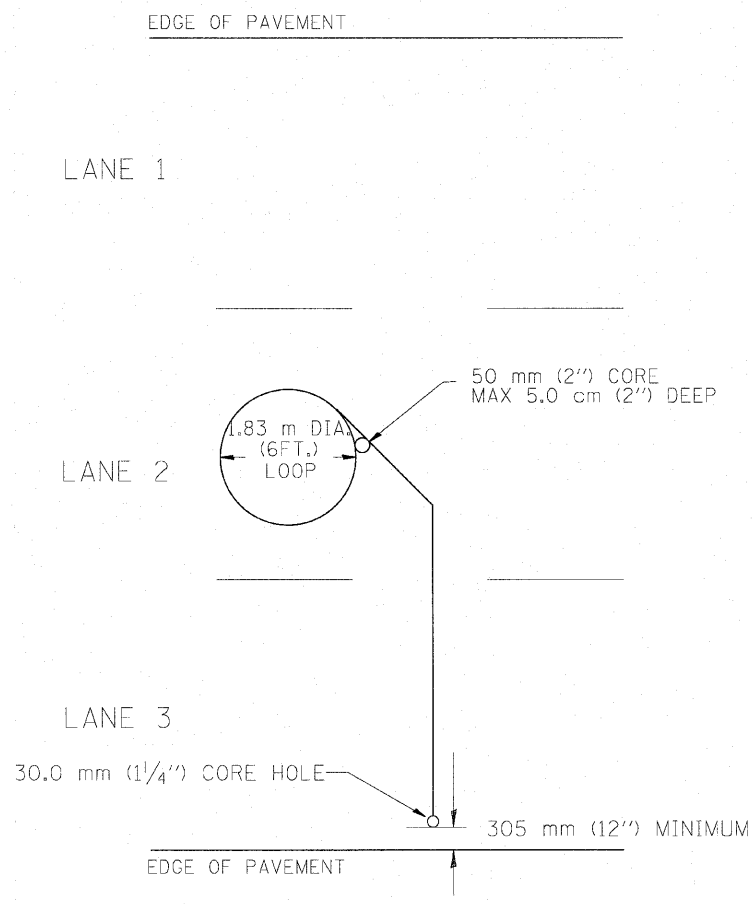
NTS
DISCONNECT MOUNTING DETAIL



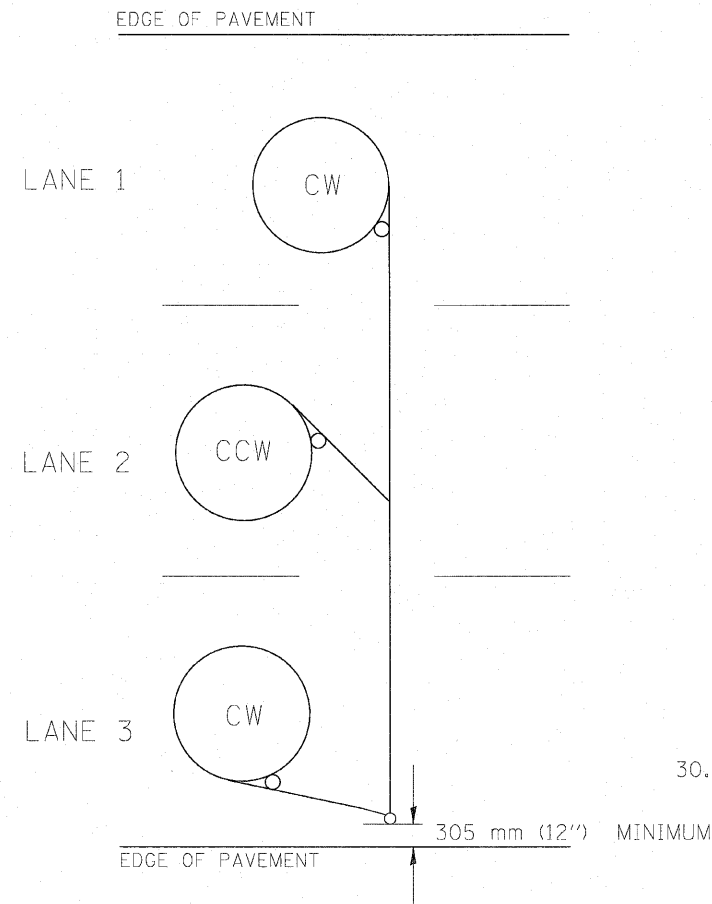
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YDRK1YP.dgn		DRAWN - BLV	REVISED -		SCALE: N.T.S.	SHEET NO. 205 OF	SHEETS	STA.	TO STA.	CONTRACT NO. 62093		
		CHECKED - SRG	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 1/18/10	REVISED -		TRAFFIC SYSTEMS CENTER (TY-1TSC-400#8)							



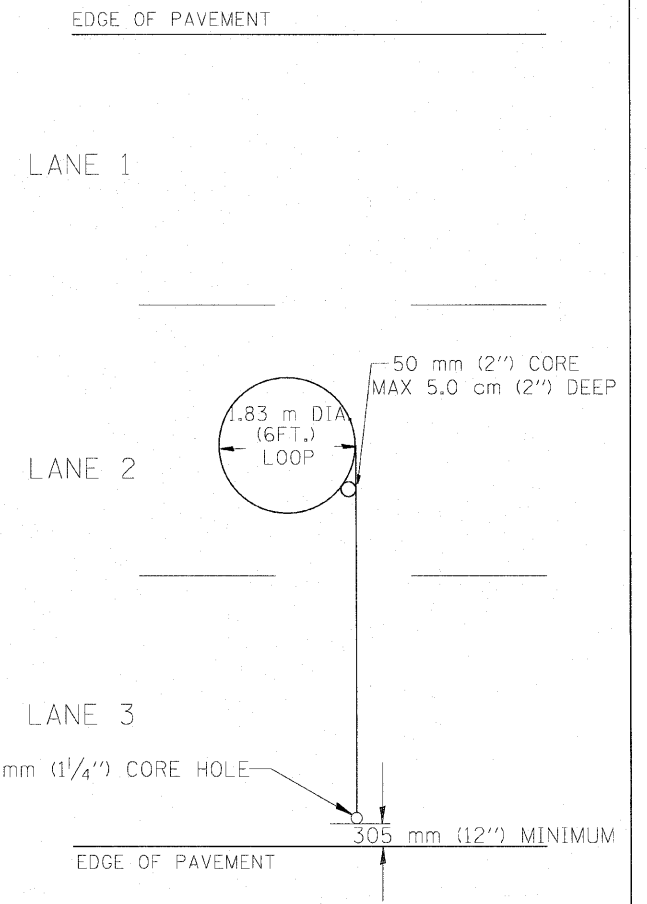
TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



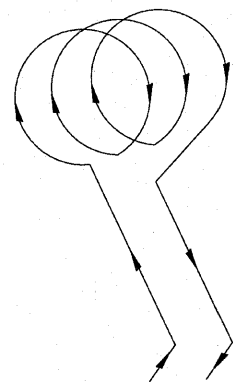
TYPICAL 1.83 m (6') DIA. INDUCTION LOOP
LAYOUT FOR LANE 2



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP
LAYOUT FOR LANE 2



WIRING DETAILS

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FILE NAME = YDRKTYP.dgn	USER NAME = [DOT]eng	DESIGNED -	REVISED -
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		CHECKED - SRG	REVISED -
		DATE - 1/18/10	REVISED -

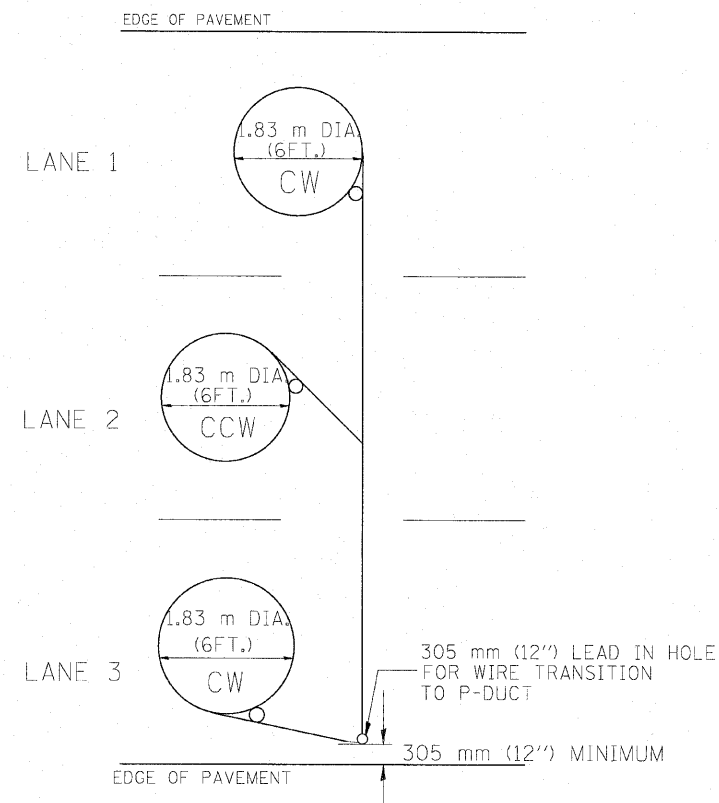
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING ROUND LOOP
INSTALLATION

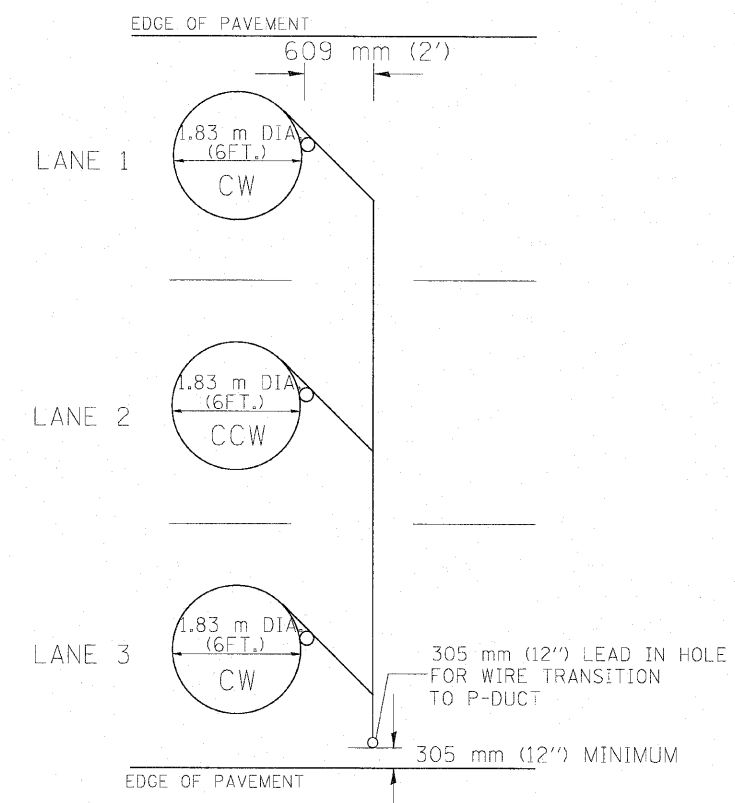
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	(4Y & 22-3R-2)	DUPAGE	284	206
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62093	

SCALE: N.T.S. SHEET NO. 206 OF SHEETS STA. TO STA.

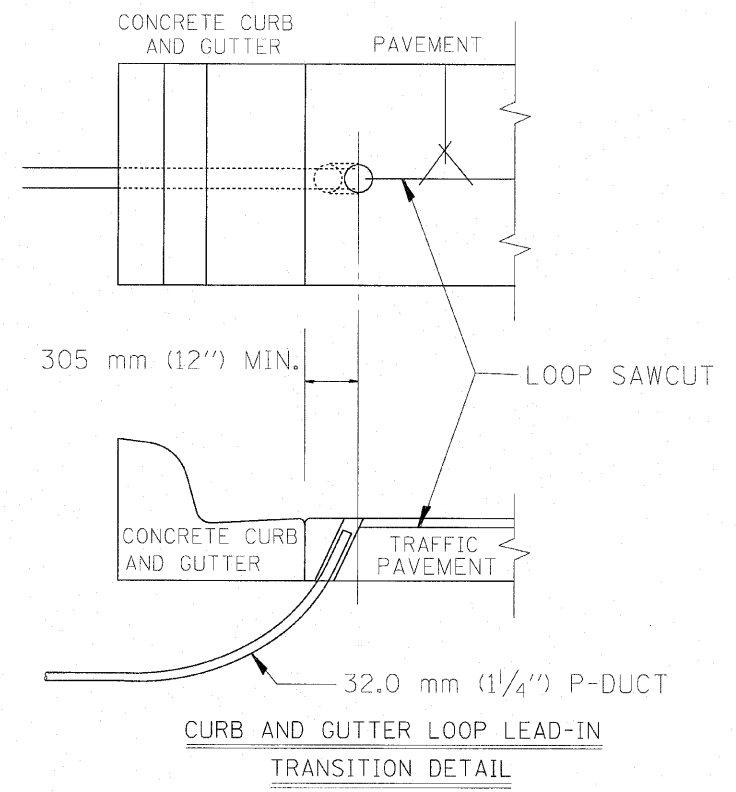
TRAFFIC SYSTEMS CENTER (TY-1TSC-400#8)



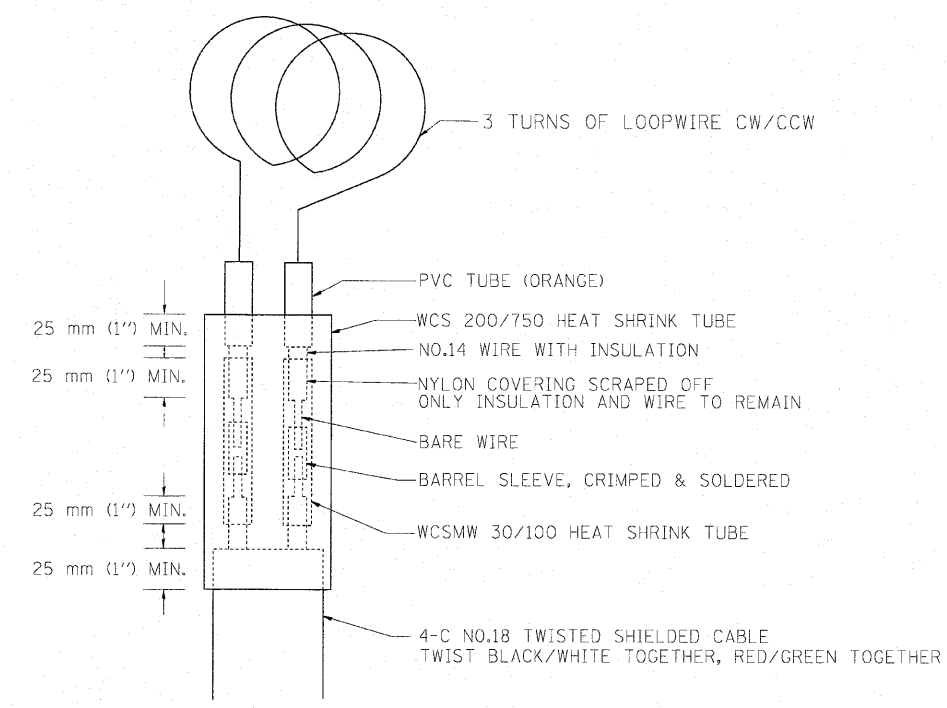
TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



CURB AND GUTTER LOOP LEAD-IN
TRANSITION DETAIL

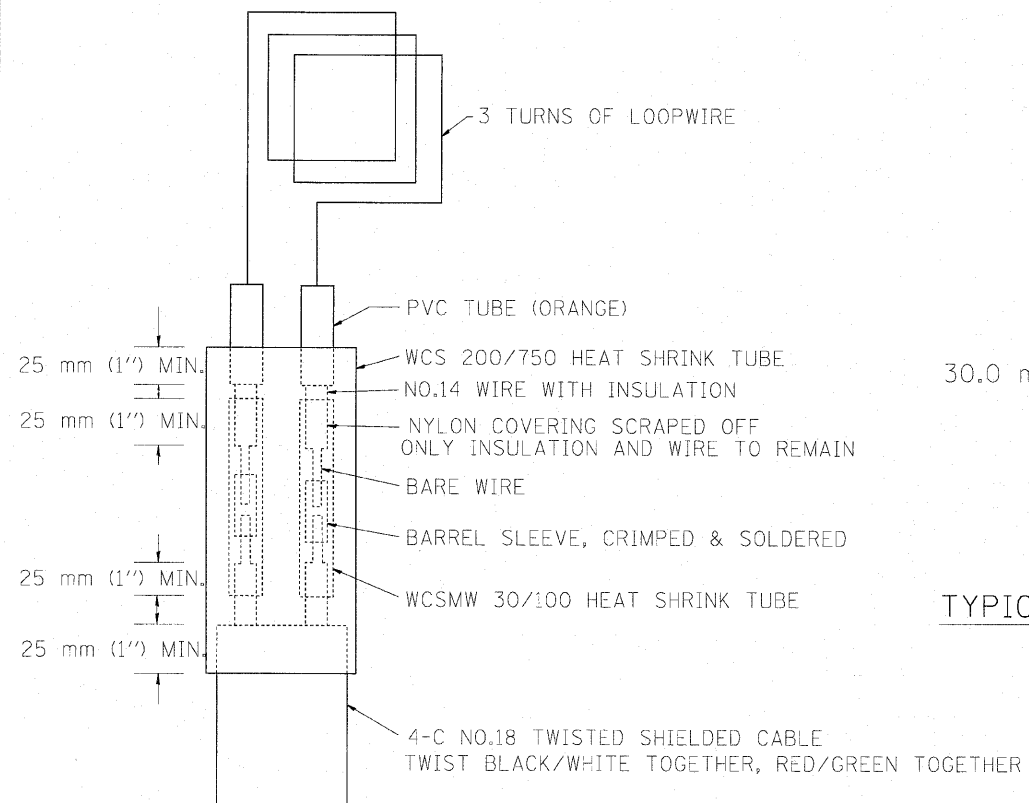


LOOP SPLICING REQUIREMENTS

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

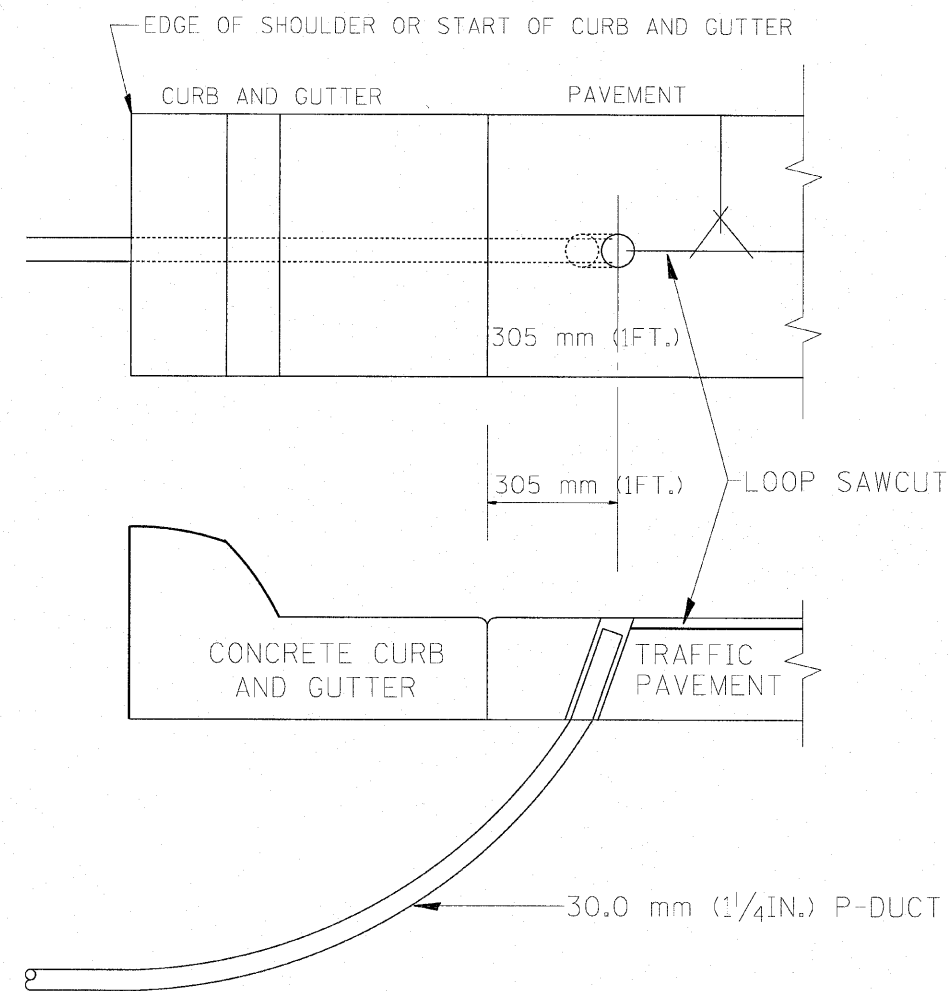
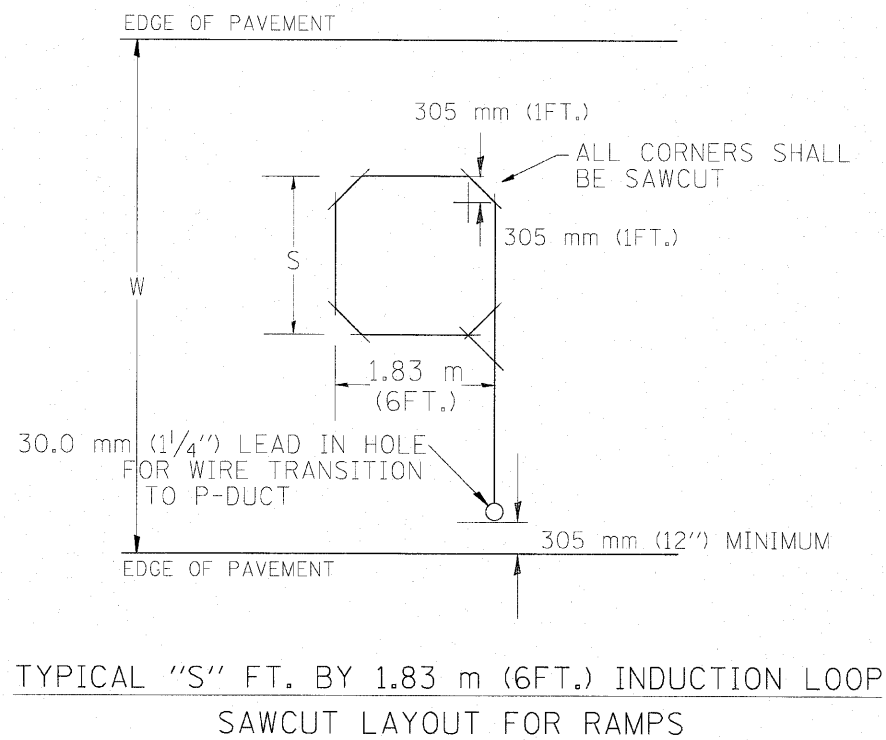
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PLLOT SCALE = 1"=12'	DRAWN - BLV	REVISIED -	SCALE: N.T.S.			SHEET NO. 207 OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLLOT DATE = 1/14/2010	CHECKED - SRG	REVISIED -	CONTRACT NO. 62093								
	DATE - 1/18/10	REVISIED -									



MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP SPLICING REQUIREMENTS

WIDTH (W)	WIDTH (S)
3.7 m (12')	2.5 m (8')
4.0 m (13')	2.8 m (9')
4.3 m (14')	3.1 m (10')
4.6 m (15')	3.4 m (11')
4.9 m (16')	3.7 m (12')
5.2 m (17')	4.0 m (13')
5.5 m (18')	4.3 m (14')
5.8 m (19')	4.6 m (15')
6.1 m (20')	4.9 m (16')
6.4 m (21')	5.2 m (17')
6.7 m (22')	5.5 m (18')
7.0 m (23')	5.8 m (19')
7.3 m (24')	6.1 m (20')
7.6 m (25')	6.4 m (21')

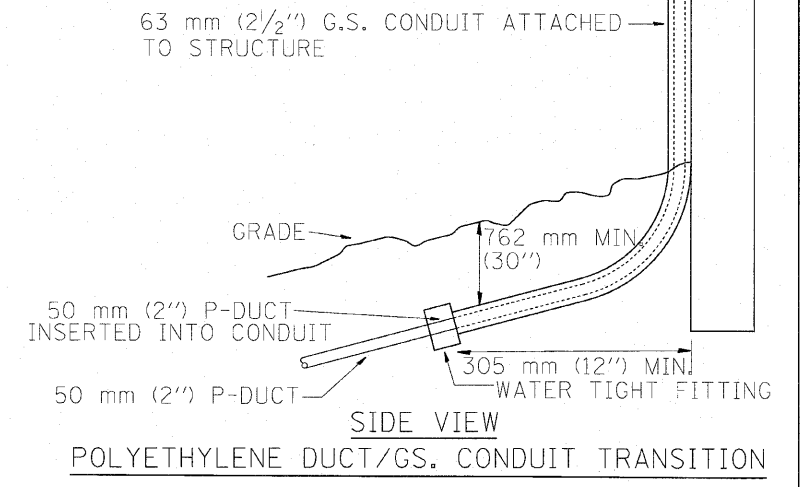
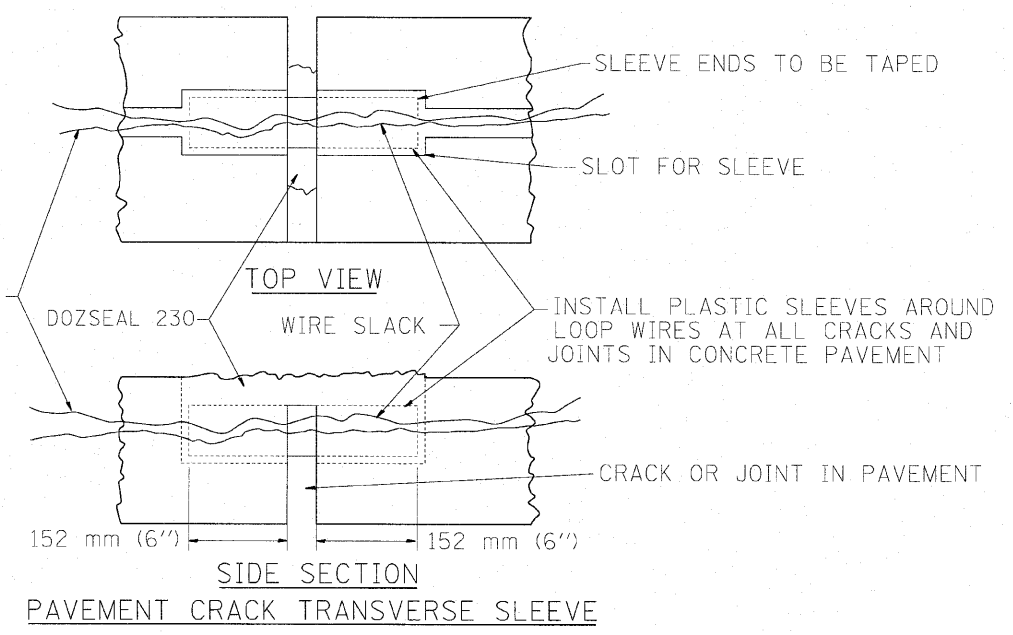
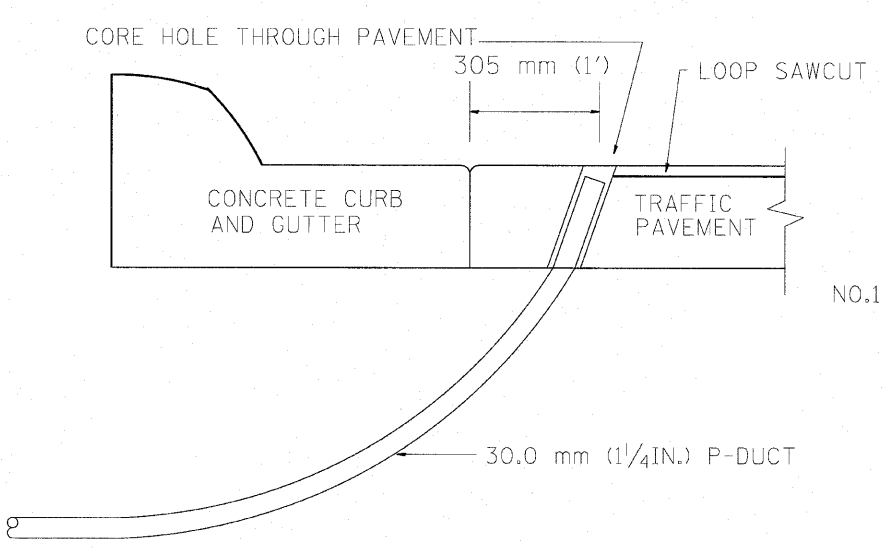
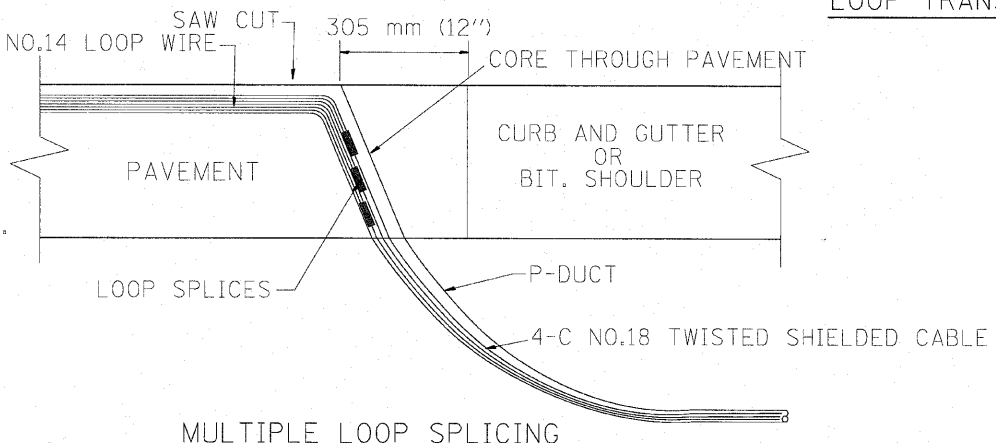
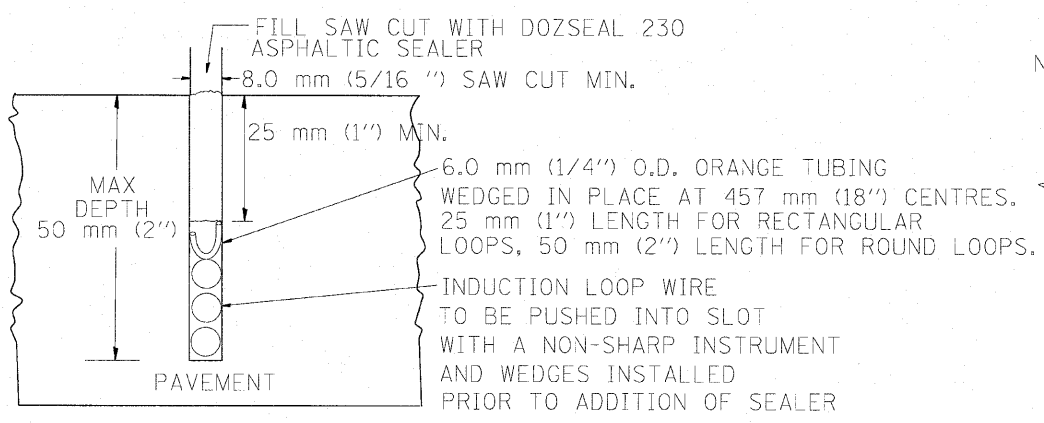
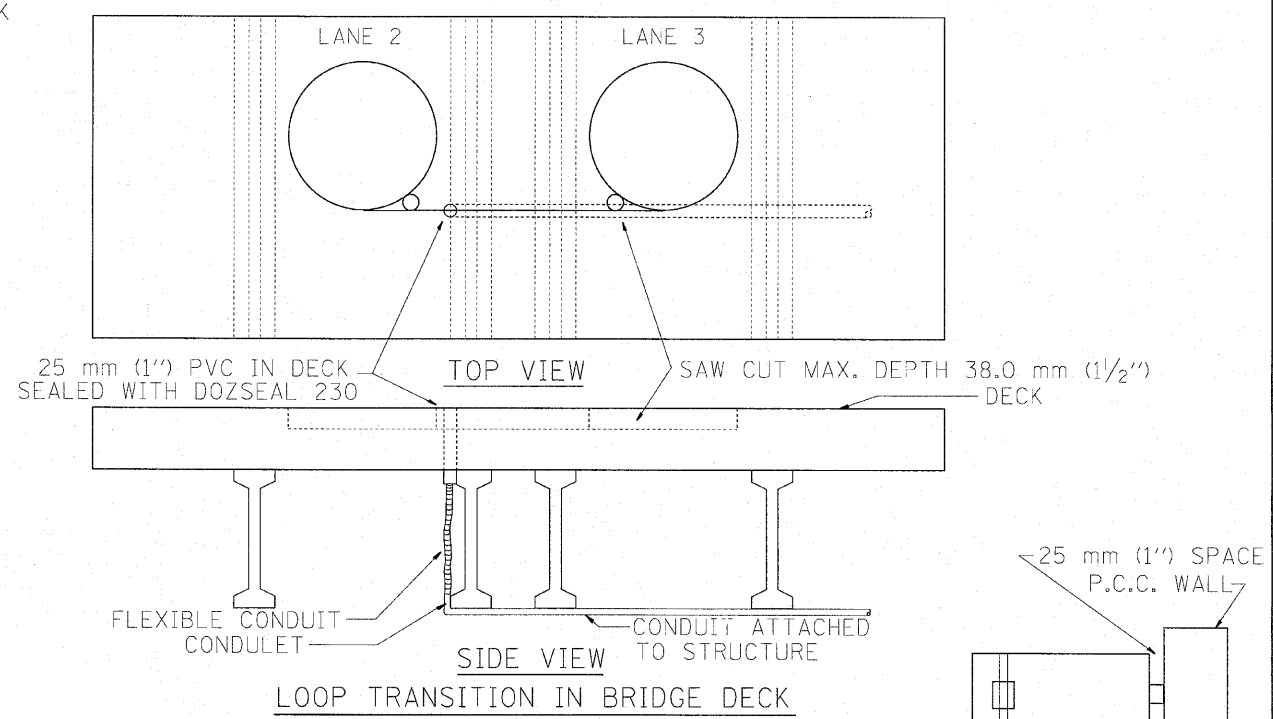
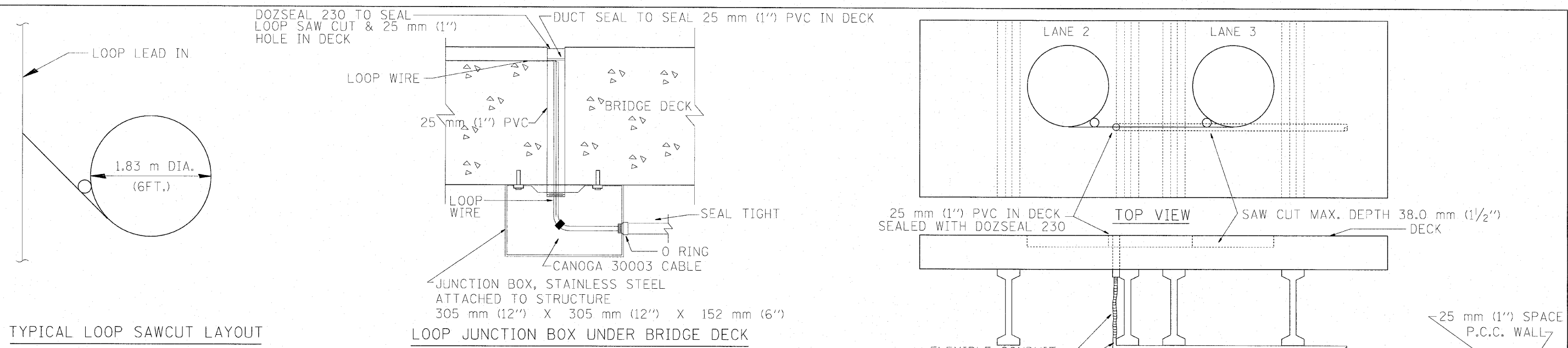


CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

NOTES

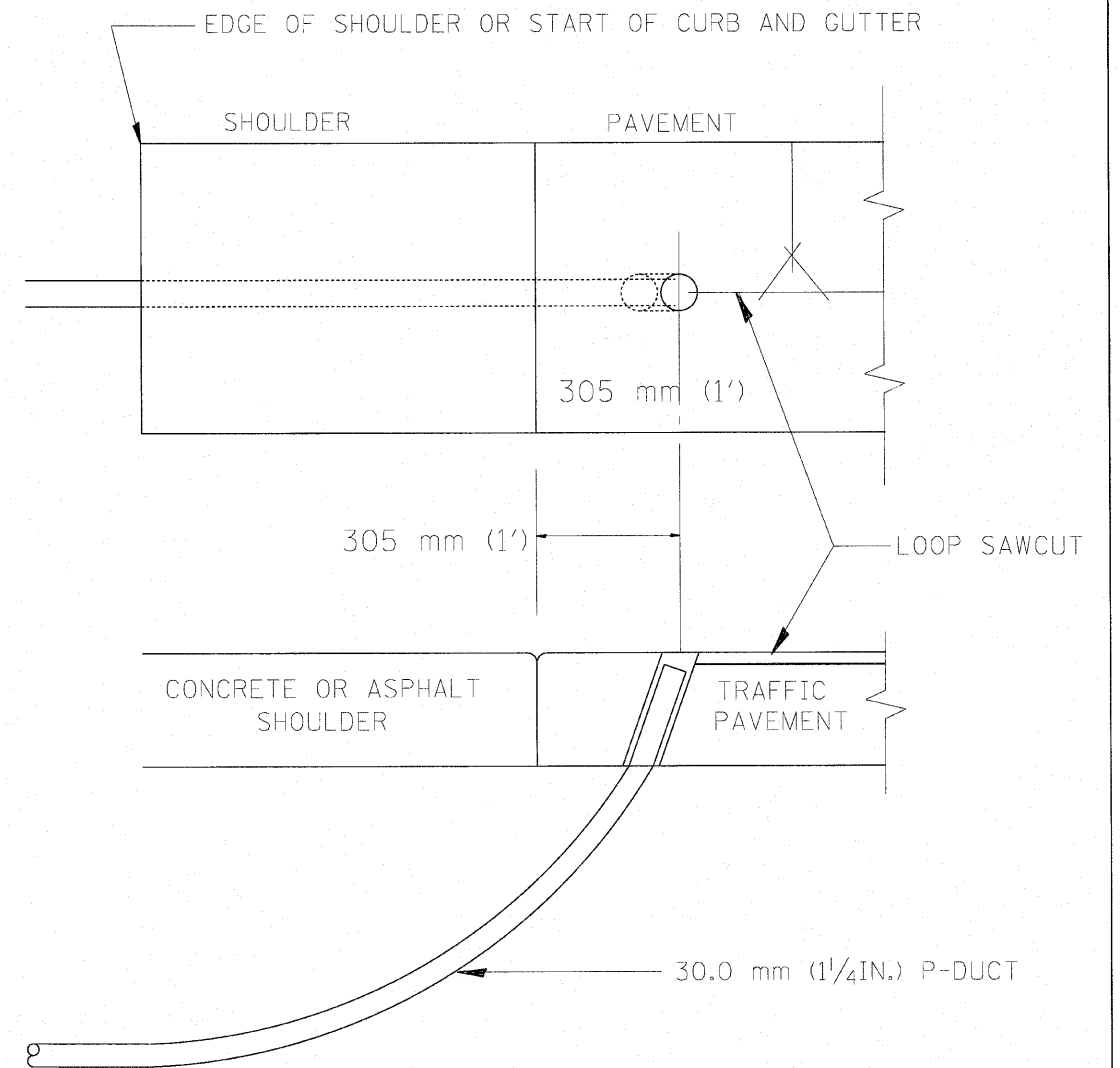
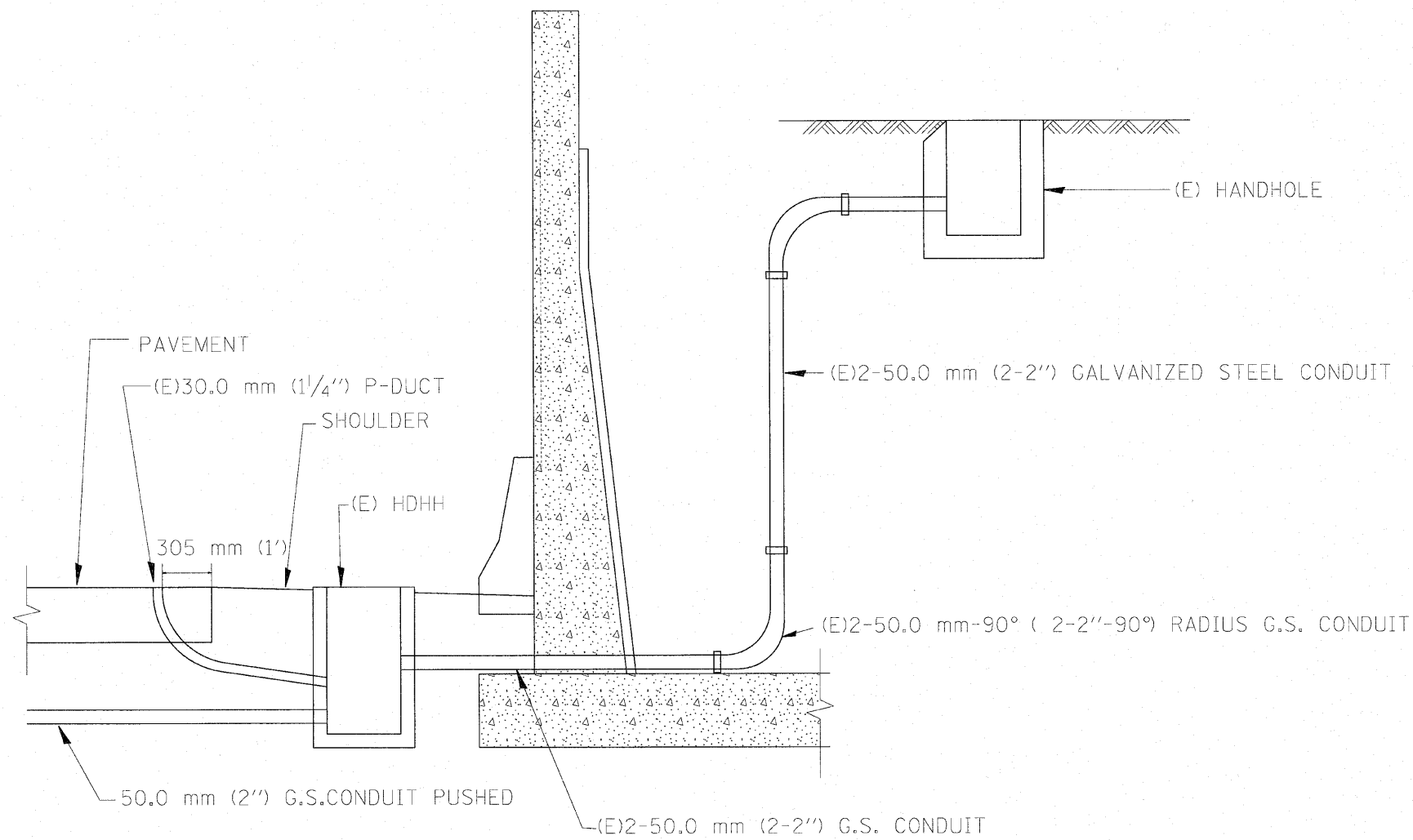
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FILE NAME = YORKTYP.dgn	USER NAME = IDOTlang	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RECTANGULAR INDUCTION LOOP TYPICALS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
YORKTYP.dgn		DRAWN - BLV	REVISED -		3537	(4Y & 22-3R-2)	DUPAGE	284	208				
	PLOT SCALE = 1"=12'	CHECKED - SRG	REVISED -		CONTRACT NO. 62093								
	PLOT DATE = 1/14/2010	DATE - 1/18/10	REVISED -		SCALE: N.T.S.	SHEET NO. 208 OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



FILE NAME = YORKTYP.dgn	USER NAME = 100(eng)	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOOP, CONDUIT & DUCT INSTALLATION DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
YORKTYP.dgn		DRAWN - BLV	REVISED -		SCALE: N.T.S.	SHEET NO. 209 OF SHEETS	STA.	3537	(4Y & 22-3IR-2)	DUPAGE	284	209
		CHECKED - SRG	REVISED -				TO STA.					
		DATE - 1/18/10	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			CONTRACT NO. 62093

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#8)



SHOULDER LOOP LEAD-IN
TRANSITION DETAIL

FILE NAME = YORKTYP.dgn	USER NAME = IDOT(eng)	DESIGNED -	REVISED -
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		CHECKED - SRG	REVISED -
		DATE - 1/18/10	REVISED -

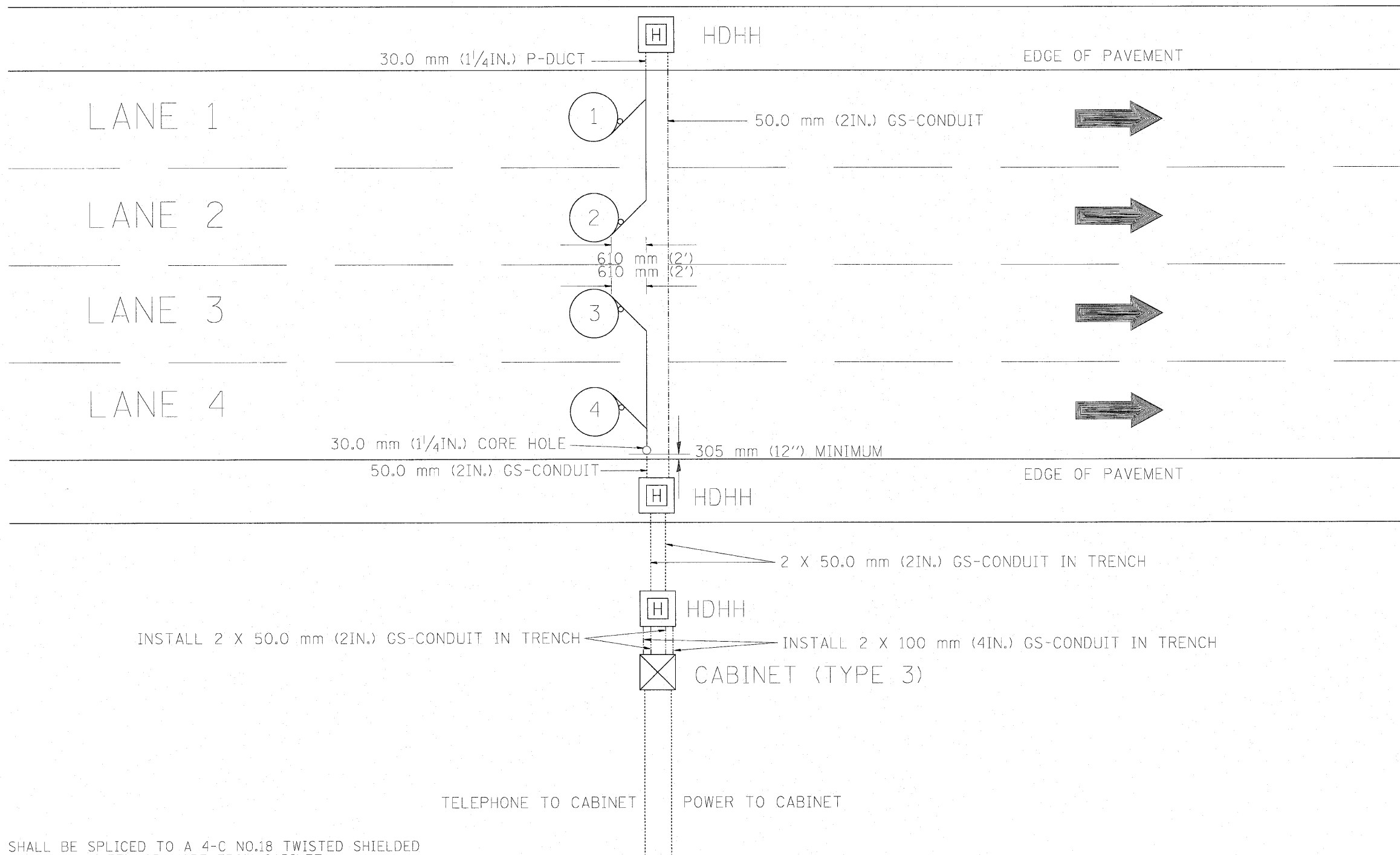
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL INDUCTION LOOP LEAD-IN
TRANSITION DIAGRAMS

SCALE: N.T.S. SHEET NO. 210 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	(4Y & 22-3IR-2)	DUPAGE	284	210
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62093	

NOTE: ALL MAIN LINE LOOPS ARE ROUND 1.83 m DIA.



NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FILE NAME = YORKTYP.dgn	USER NAME = IDGT(eng)	DESIGNED -	REVISED -
YORKTYP.dgn		DRAWN - BLV	REVISED -
		CHECKED - SRG	REVISED -
		DATE - 1/18/10	REVISED -

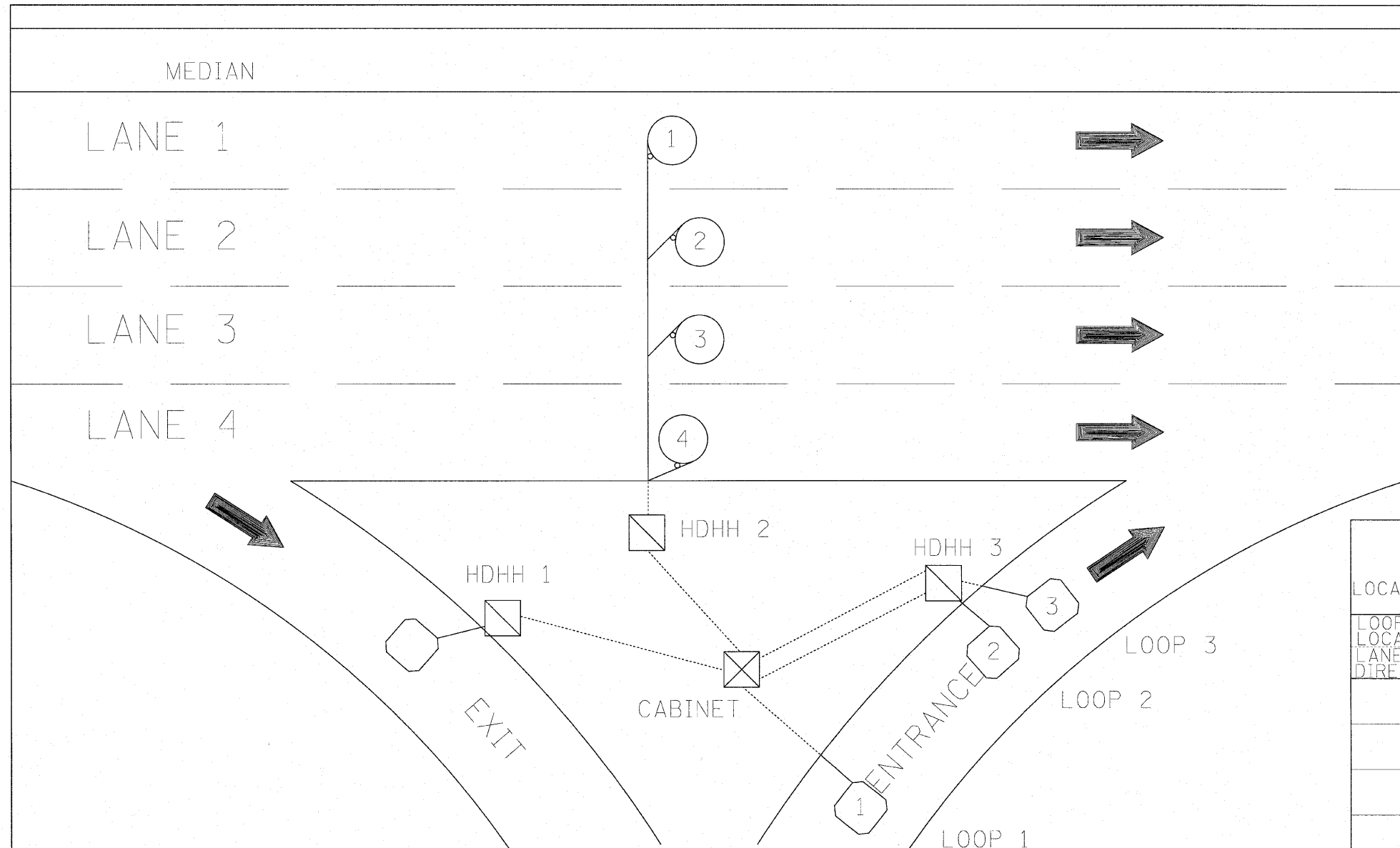
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEW CONSTRUCTION
ROUND INDUCTION LOOP
TYPICAL INSTALLATION

SCALE: N.T.S. SHEET NO. 211 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	(4Y & 22-3)R-2	DUPAGE	284	211
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62093	

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#8)



○ SIZE ○
 63.5 mm (2½") X 44.45 mm (1¾")
 ○ ○

SUGGESTED TAG
 PANDUIT
 #MP250W175-C
 OR EQUIVALENT

LOOP ANALYZER					
LOCATION _____			DATE _____		
LOOP LOCATION LANE DIRECTION	LOOP WIRE MARKED AND CODED	LOOP SIZE	FREQ. INDUCTANCE	INSULATION	LOOP RESISTANCE

HDHH 1 EXAMPLE

IB-EB EXIT
 CCW IN/
 TO CABINET # _____

HDHH 2 EXAMPLE

IB (OB) LANE # ____
 CCW /OUT
 TO CABINET # _____

HDHH 3 EXAMPLE

IB-EB ENT.
 LOOP #2
 CW IN/

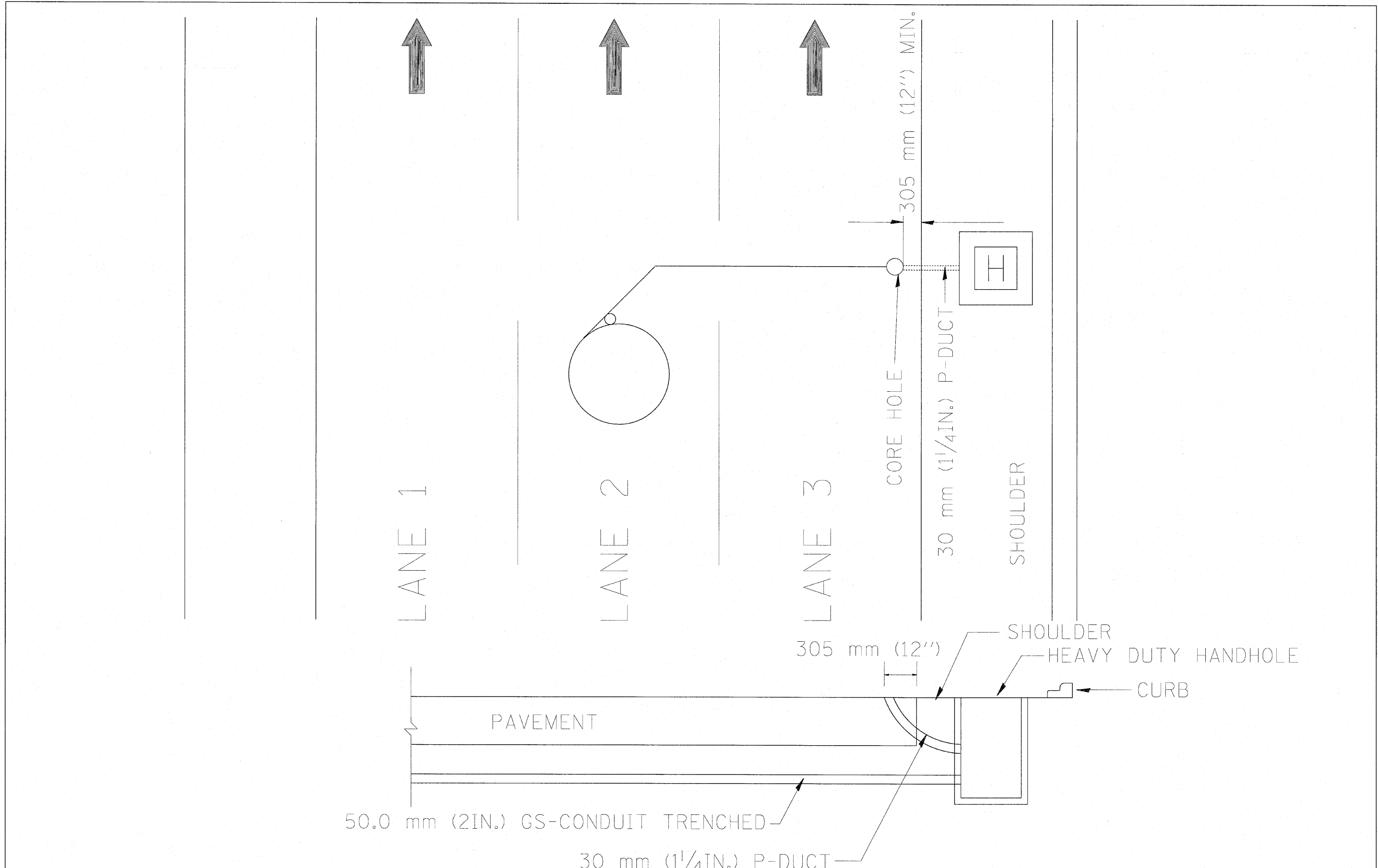
NOTE:
 EACH LOOP WIRE SHALL BE TAGGED
 AS "IN" OR "OUT" AND "CW" OR "CCW".
 SHIELDED CABLE WILL BE TAGGED IN
 EACH HANDHOLE AND CABINET TO
 MATCH THE CABLE LOG.

FILE NAME = YORHTYP.dgn	USER NAME = IDOT\engj	DESIGNED -	REVISED -
YORHTYP.dgn		DRAWN - BLV	REVISED -
	PLOT SCALE = 1"=12'	CHECKED - SRC	REVISED -
	PLOT DATE = 1/14/2010	DATE - 1/18/10	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

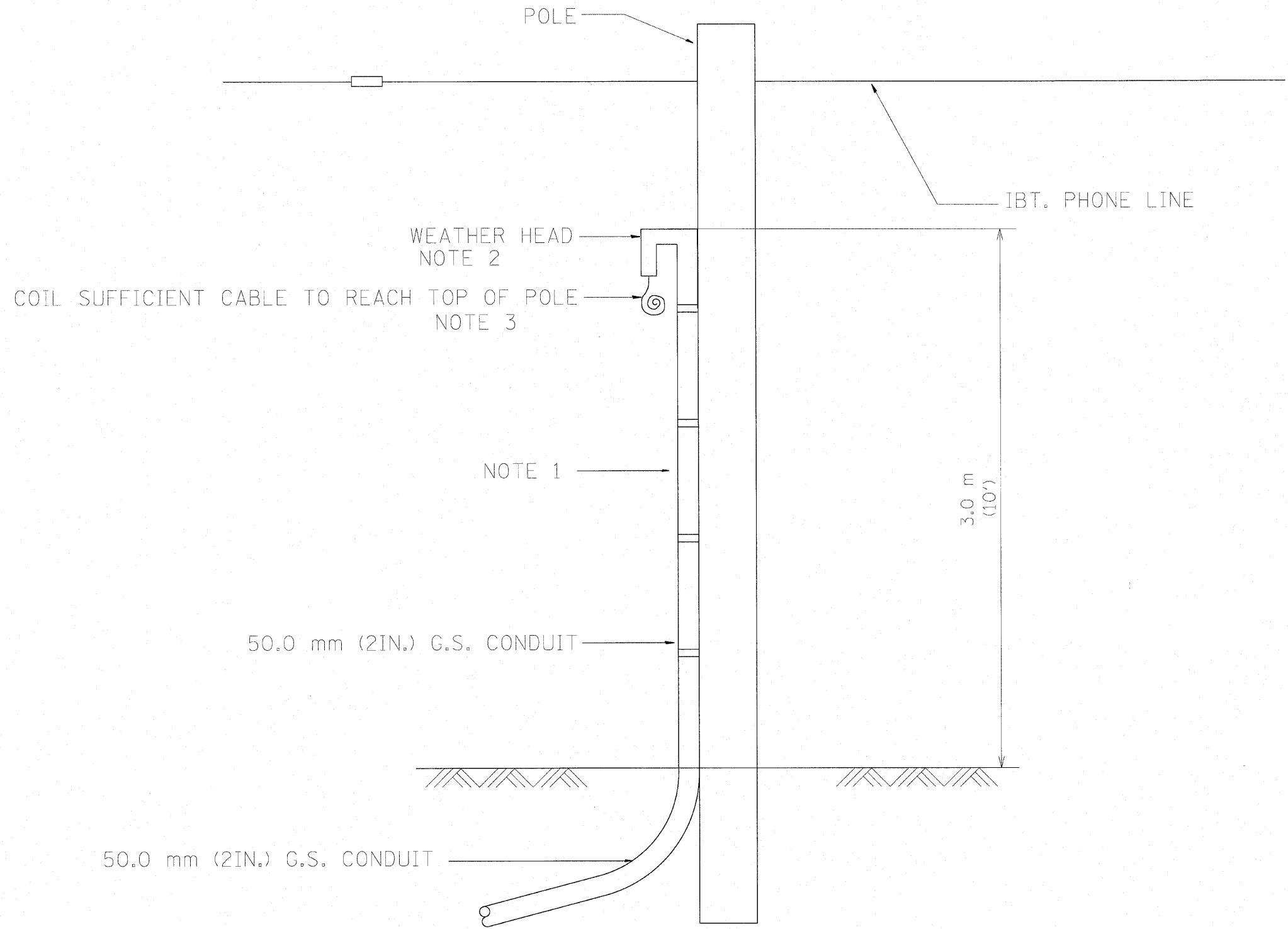
SCALE: N.T.S.				SHEET NO. 212 OF				SHEETS STA.				TO STA.			
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F.A.U. RTE. 3537	SECTION (4Y & 22-3JR-2)	COUNTY	TOTAL SHEETS 284	SHEET NO. 212
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62093				



FILE NAME = YORHTYP.dgn	USER NAME = 1001(teng)	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIVE HOLE DUCT SYSTEM			F.A.U. RTE. 3537	SECTION (4Y & 22-3IR-2)	COUNTY	TOTAL SHEETS 284	SHEET NO. 213
YORHTYP.dgn		DRAWN - BLV	REVISED -		SCALE: N.T.S.	SHEET NO. 213 OF	SHEETS	STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 62093	
		CHECKED - SRG	REVISED -									
		DATE - 1/18/10	REVISED -									

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#8)

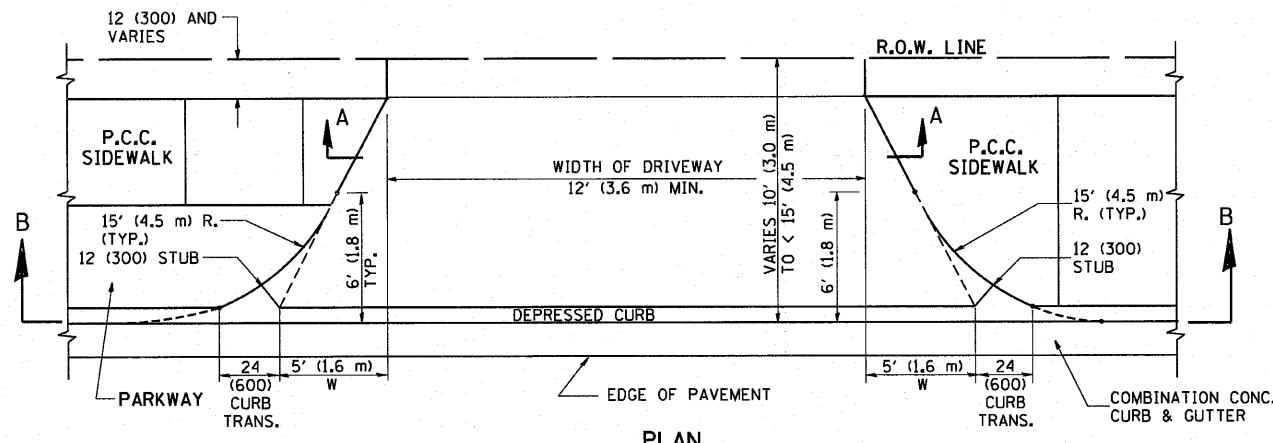


TELEPHONE SERVICE ON POLE

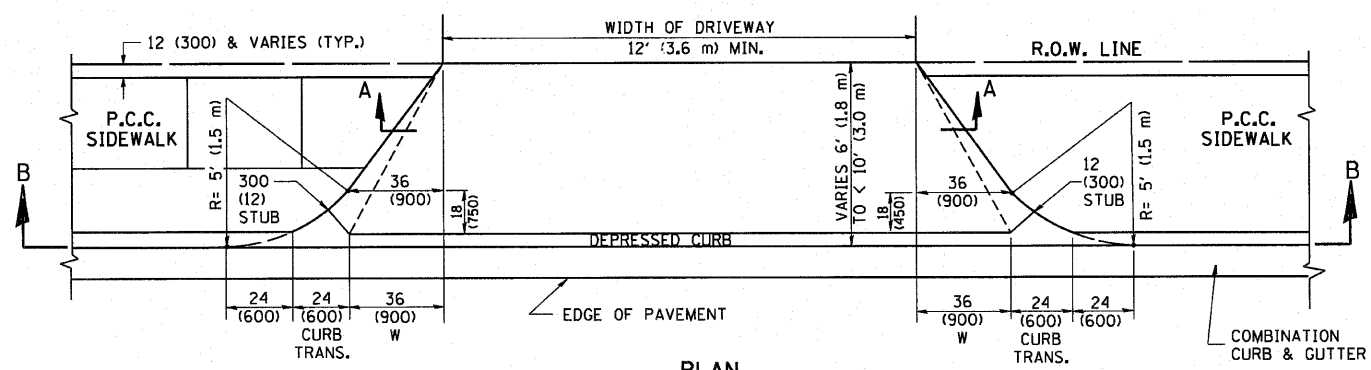
NOTES:

1. 50 mm DIAMETER 3.0 m LONG G.S. CONDUIT SECTION, FURNISHED AND INSTALLED UNDER PAY ITEM FOR TELEPHONE SERVICE INSTALLATION.
2. WEATHER HEAD SHALL BE CONSIDERED INCIDENTAL TO TELEPHONE SERVICE INSTALLATION PAY ITEM.
3. SEE DRAWINGS FOR CABLE SIZE AND QUANTITY.

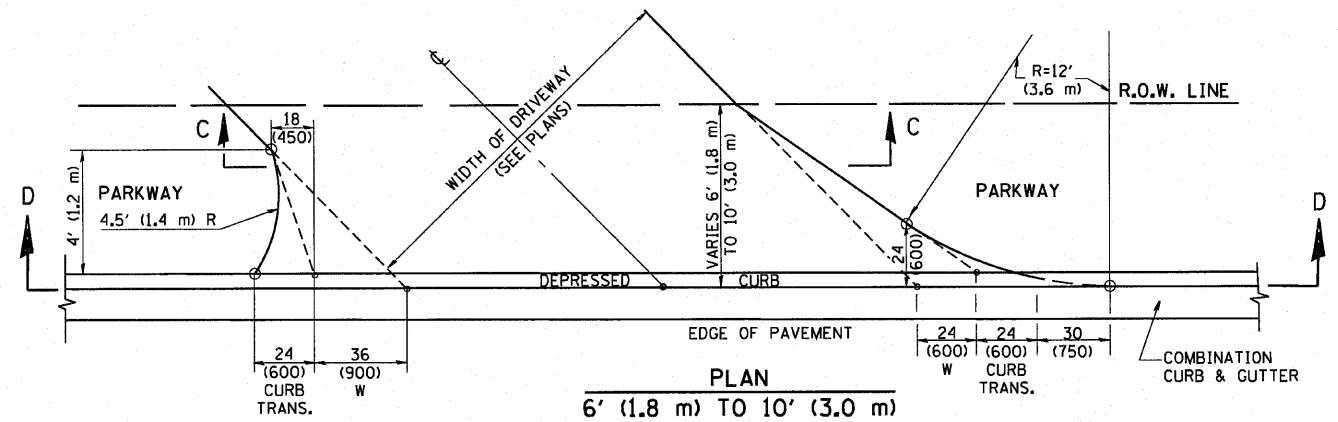
FILE NAME = YORKTYP.dgn	USER NAME = IODT(ang)	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TELEPHONE INSTALLATION DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BLV	REVISED -		SCALE: N.T.S.	SHEET NO. 214 OF	SHEETS	STA.	TO STA.	DUPAGE	284	214
		CHECKED - SRG	REVISED -		CONTRACT NO. 62093							
		DATE - 1/18/10	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



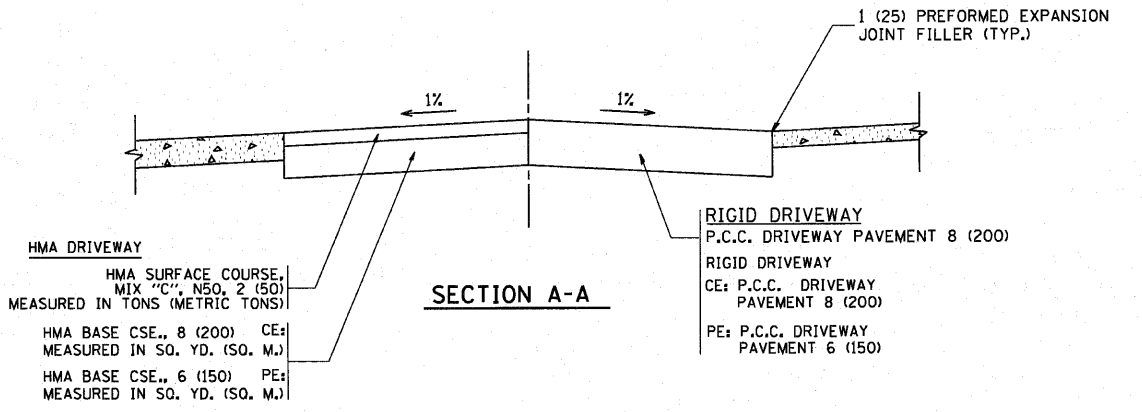
PLAN
10' (3.0 m) TO < 15' (4.5 m)



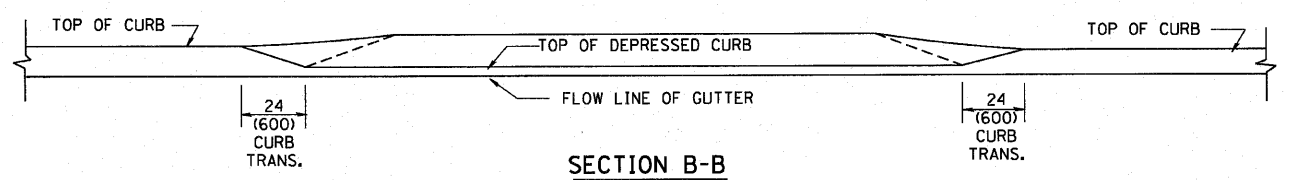
PLAN
6' (1.8 m) TO < 10' (3.0 m)



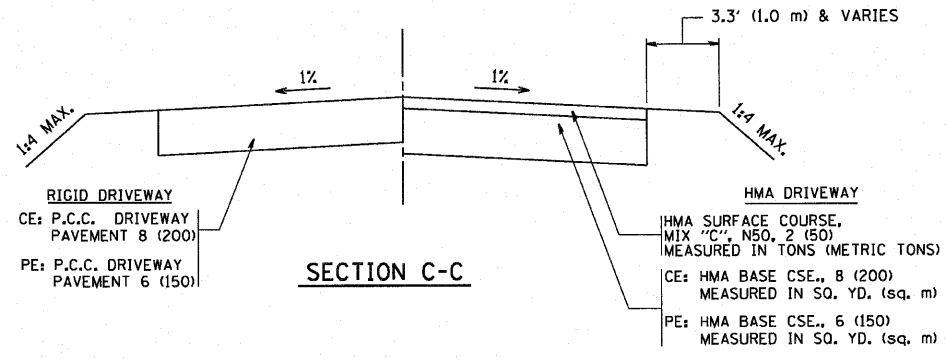
PLAN
6' (1.8 m) TO 10' (3.0 m)



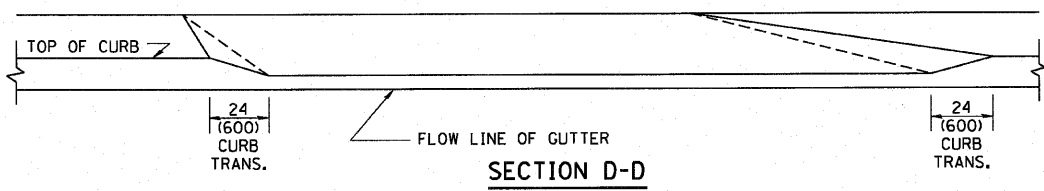
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

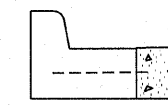
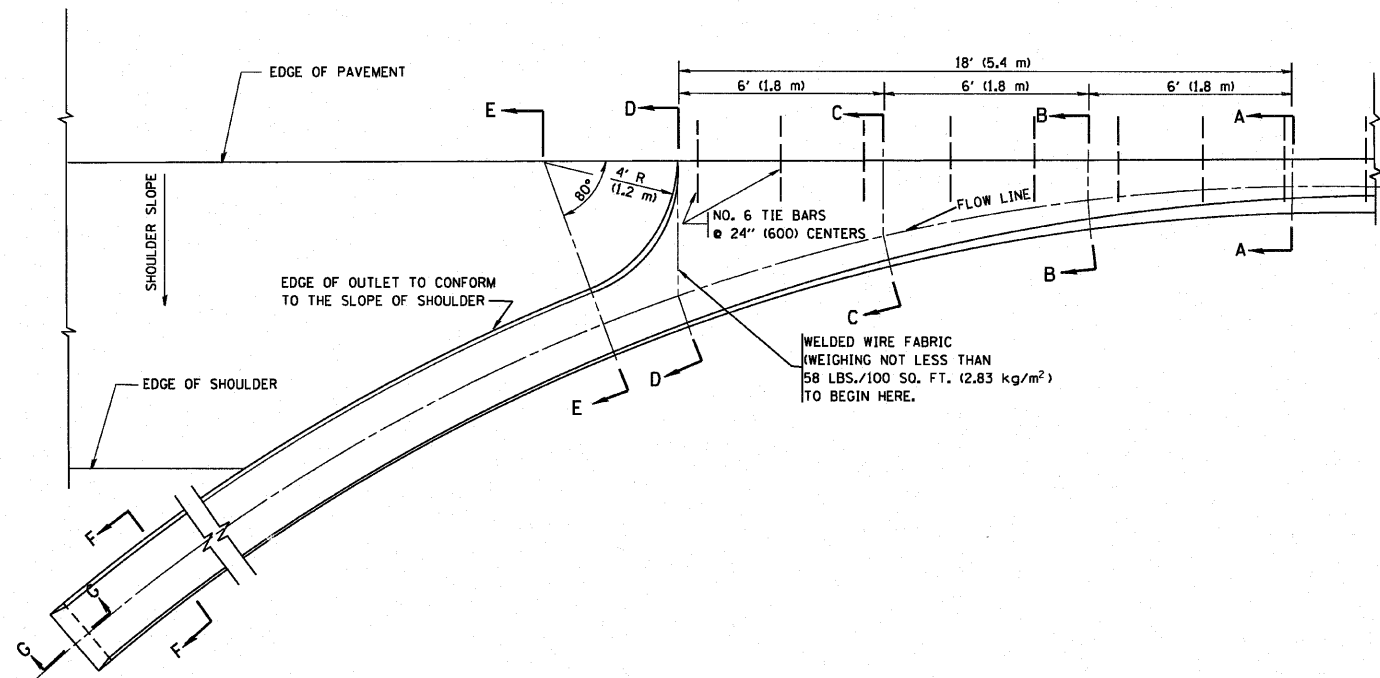
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

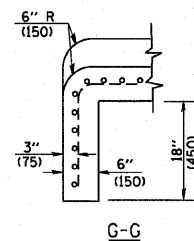
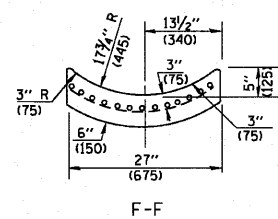
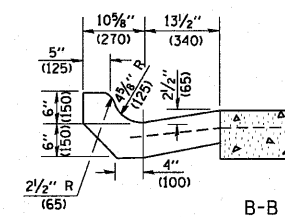
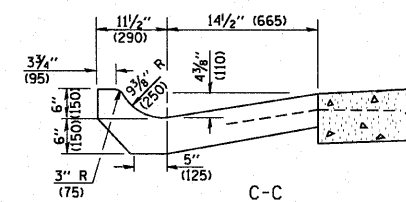
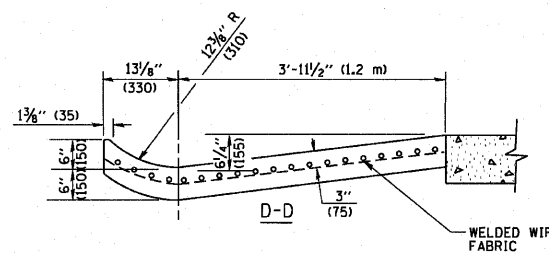
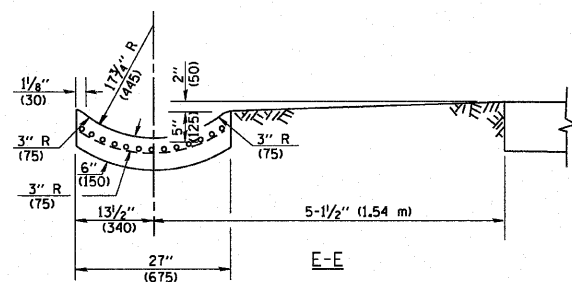
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME = W:\diststd\22x34\bd02.dgn	USER NAME = geglienob	DESIGNED - R. SHAH	REVISED - T. HOLTZ 04-08-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01	REVISED - P. LOFLEUR 04-15-03		DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)						284	215
PLOT DATE = 1/4/2008	DATE - 11-06-95	REVISED - R. BORO 01-01-07	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS STA. TO STA.			BD400-02 (BD-02)		CONTRACT NO.	62093	
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.

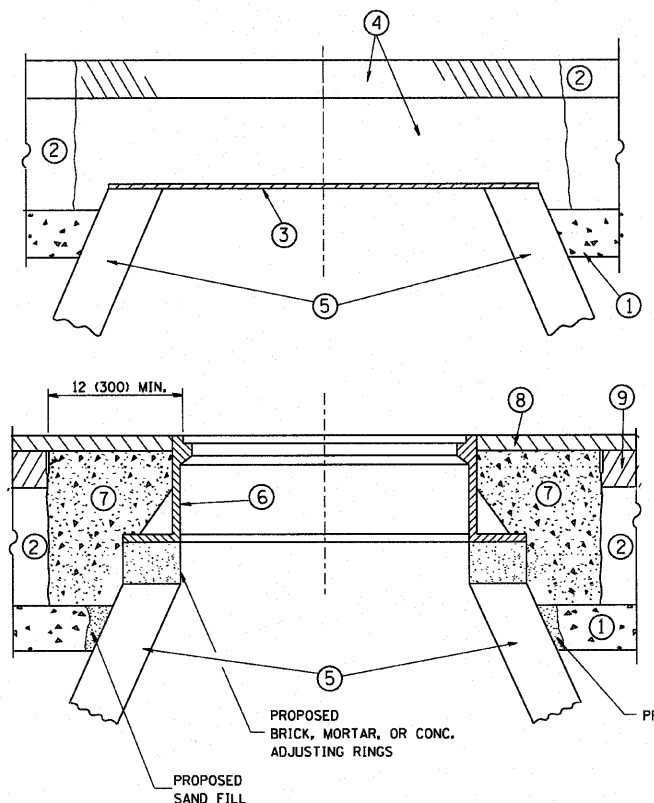
IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL= 1.25 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 9" (225) PAV'T. 1.27 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 10" (250) PAV'T.
FOR SECTION F-F= 0.045 CU. YDS. (0.03 m³) CLASS S1 CONCRETE PER FT. (m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\d\stata\22x34\bd03.dgn	USER NAME = geglienobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OUTLET FOR CONCRETE CURB AND GUTTER			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000 ' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	284	216
PLOT DATE = 1/4/2008	CHECKED -	DATE - 08-04-86	REVISED - E. GOMEZ 12-21-00	BD600-01 (BD-03)			CONTRACT NO. 62093					
			REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

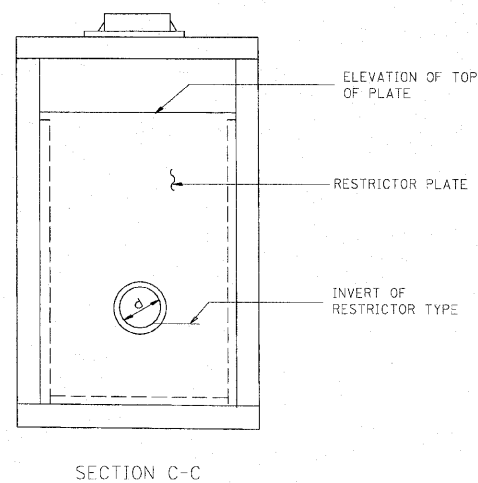
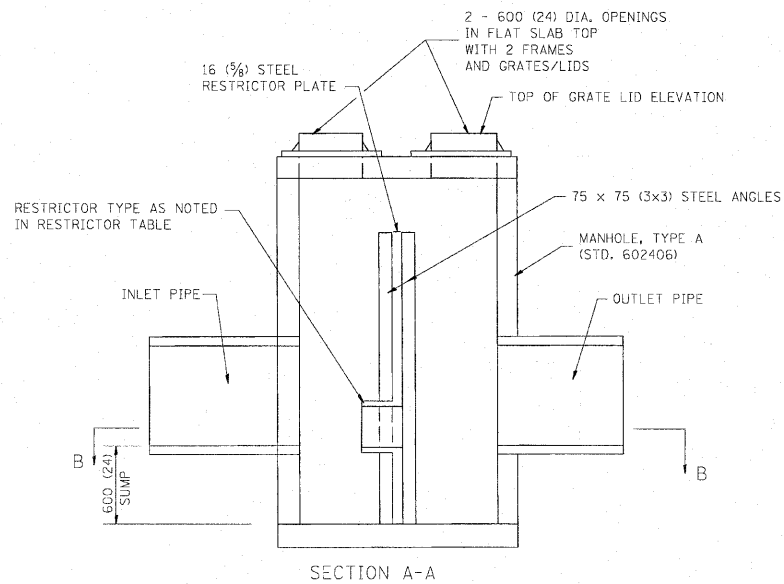
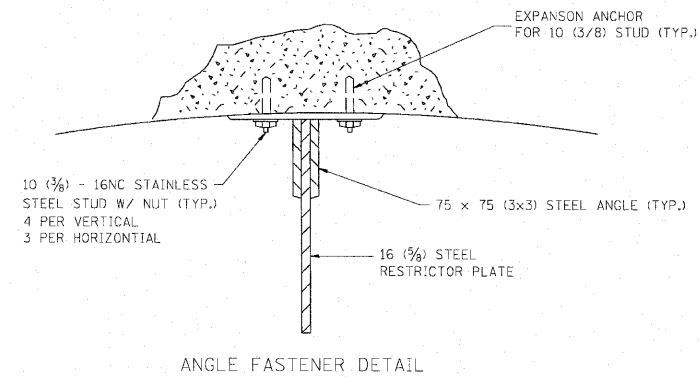
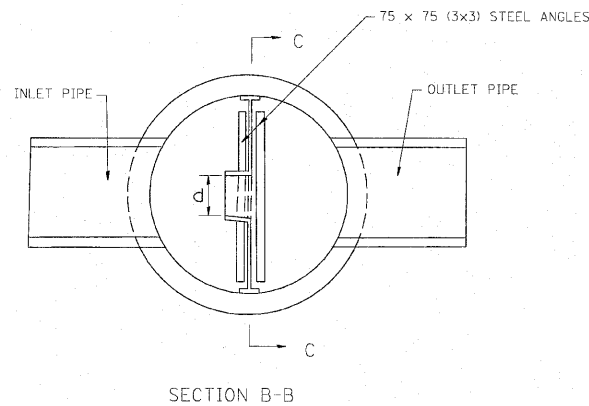
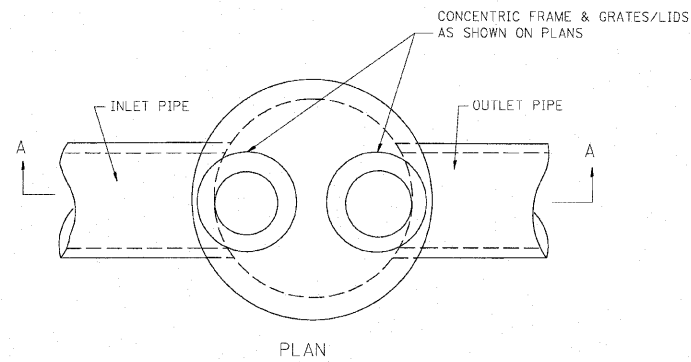
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

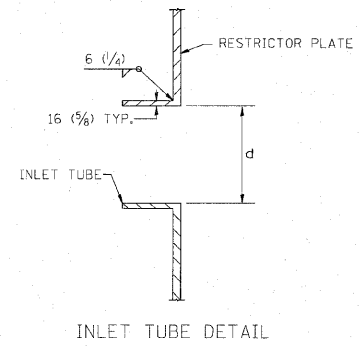
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

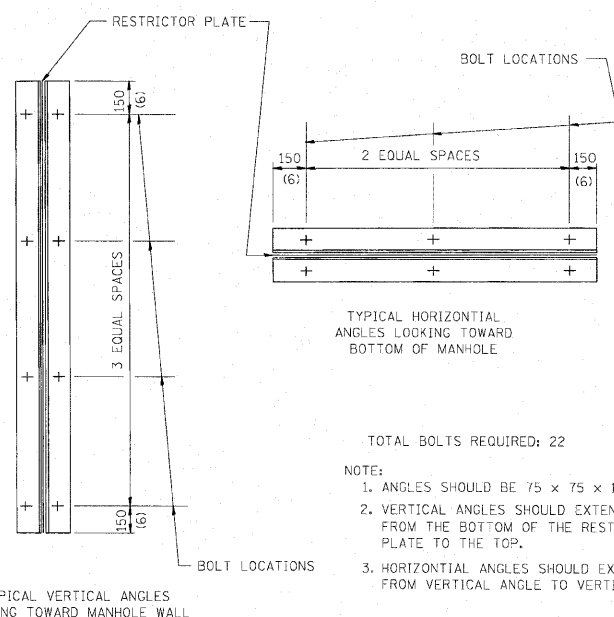
FILE NAME = W:\diststd\22+34\bd88.dgn	USER NAME = geglienobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 58,0000 ' / IN.	CHECKED -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD600-03 (BD-8)	CONTRACT NO. 62093	284	217
PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. WIEDEMAN 05-14-04	REVISED - R. BORO 01-01-07					FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



- NOTES:
- ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 - ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 - BASIS OF PAYMENT: "MANHOLES, TYPE A, 1.8m (6FT.) DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER mm (in.) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
LAKE STREET						
353+80, 3' RT.	6'	TYPE 1, CLOSED LID	2	14"	691.25	693.80
YORK STREET						
41+18, 20' LT.	6'	TYPE 1, CLOSED LID	2	12"	682.50	685.00



- TOTAL BOLTS REQUIRED: 22
- NOTE:
- ANGLES SHOULD BE 75 x 75 x 10 (3x3x3/8)
 - VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 - HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

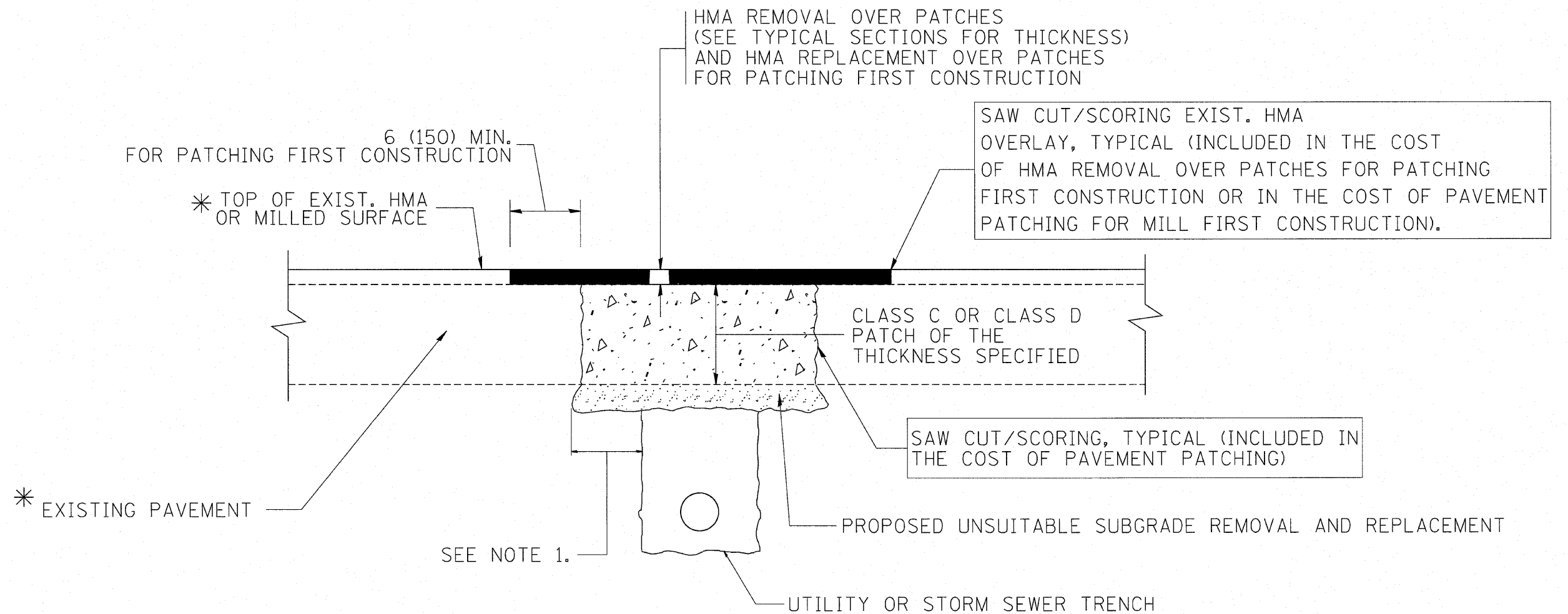
REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	08/28/00
M. GOMEZ	01/08/01

SCALE: NONE

DATE **DATE**

DRAWN BY

CHECKED BY



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = beurd1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD400-04 (BD-22)	CONTRACT NO. 62093	284	219
		CHECKED -	REVISED - R. BORO 09-04-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 10-25-94	REVISED - K. ENG 10-27-08									

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

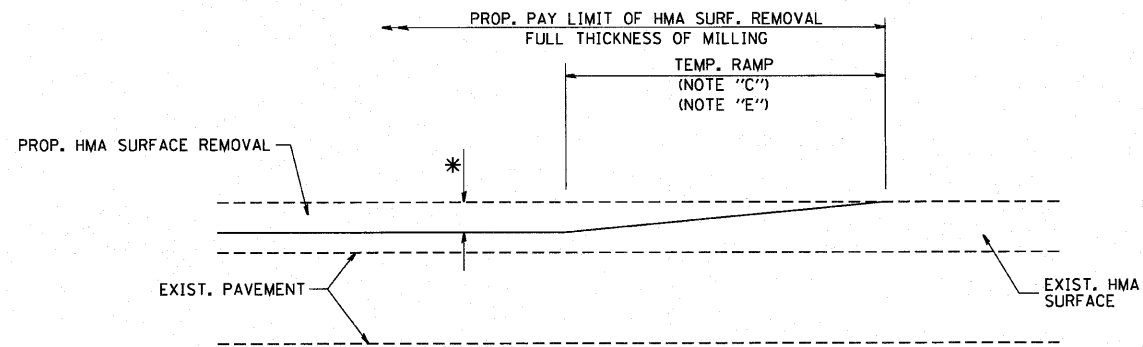
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

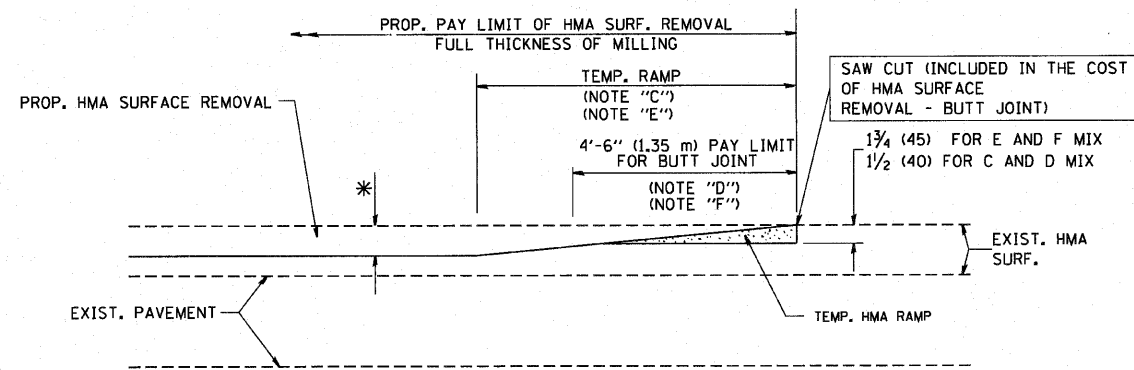
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = drvakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw_work\pwidot\drvakosgn\010315\bc24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.		284	220
		CHECKED -	REVISED - M. GOMEZ 01-22-01					BD600-06 (BD-24)		CONTRACT NO. 62093		
		DATE - 03-11-94	REVISED - R. BORO 12-15-09					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



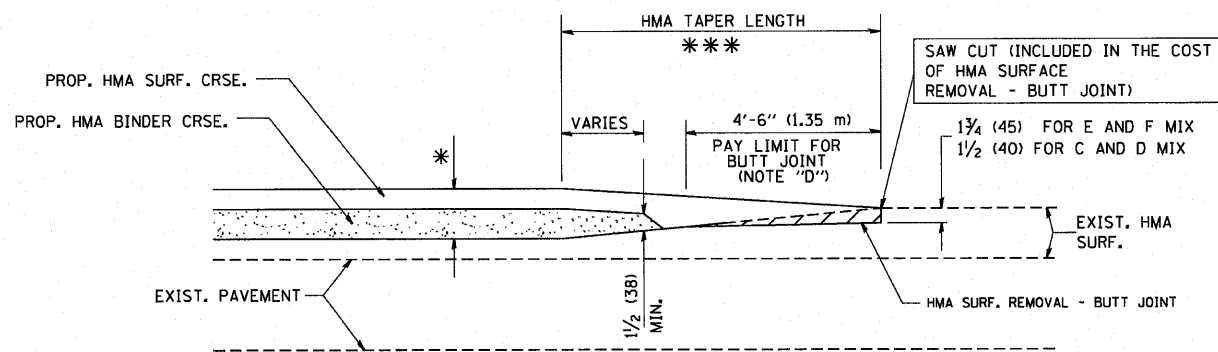
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

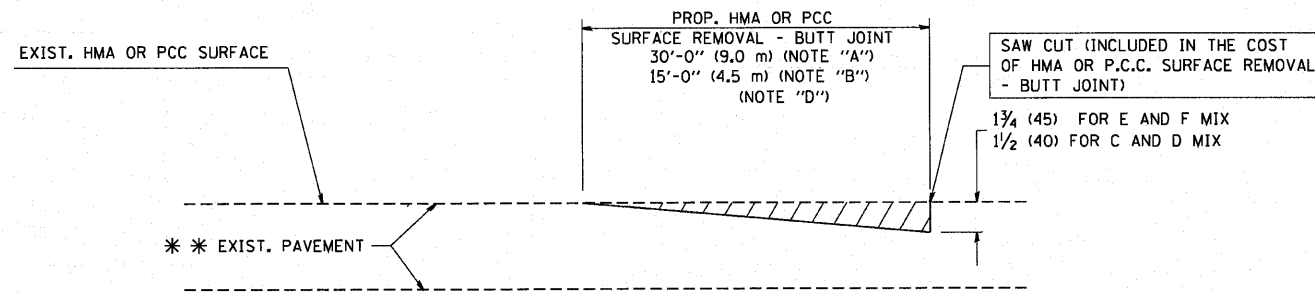


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

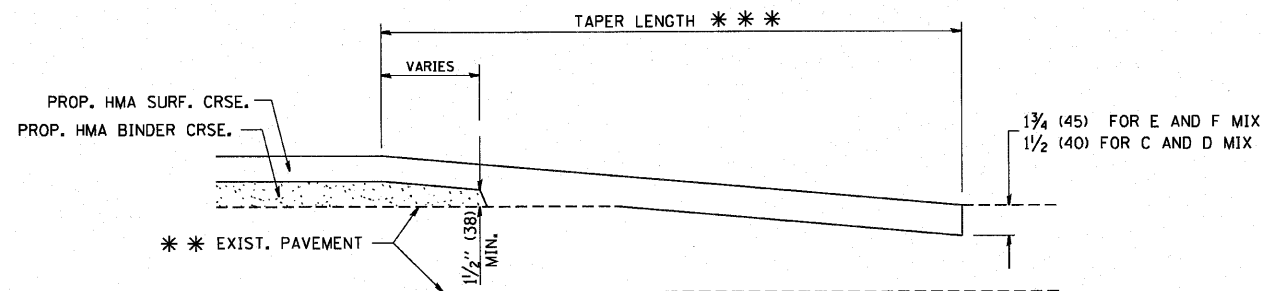
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

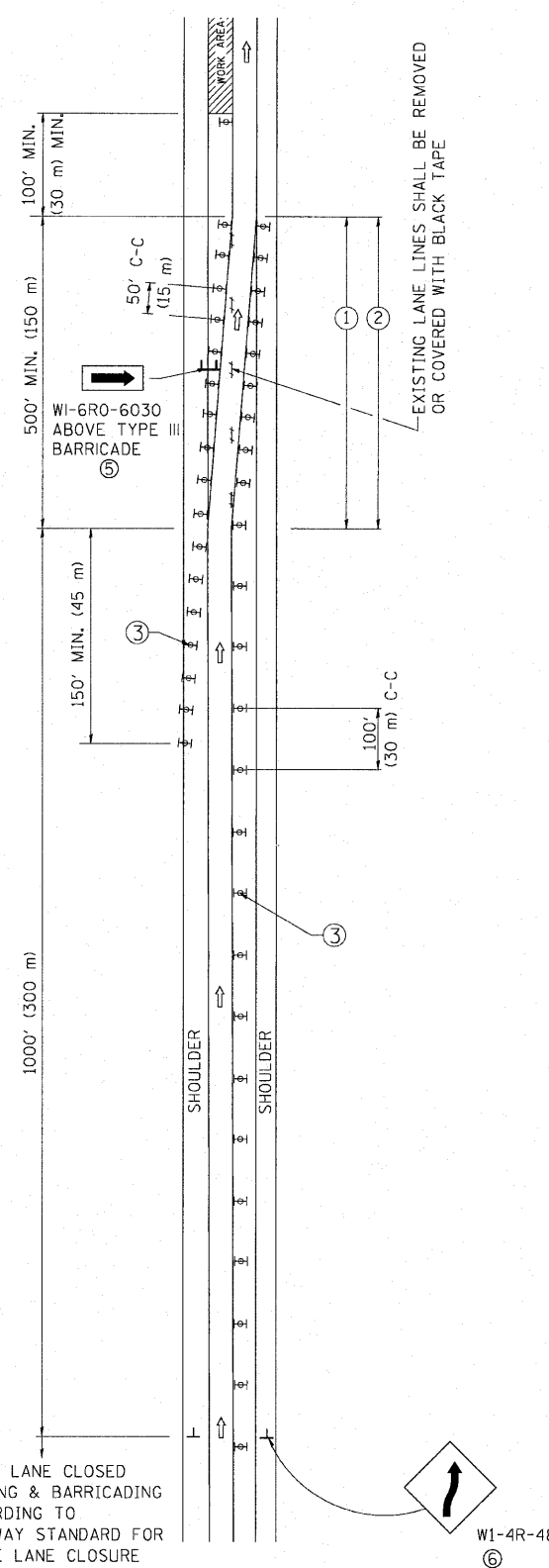
FILE NAME = W:\diststd\22x34\ba32.dgn	USER NAME = gaglianob	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50,0000 "/ IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

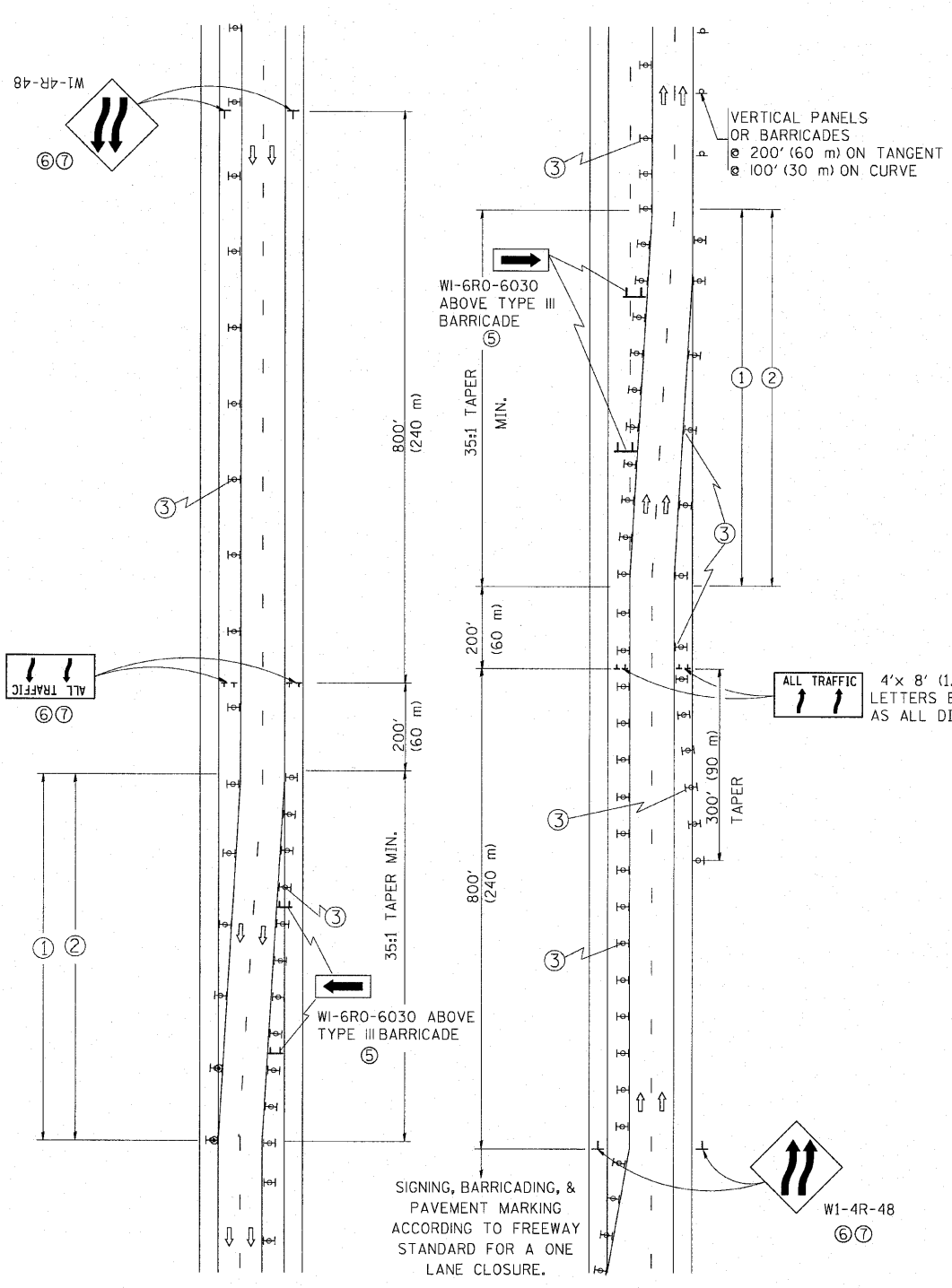
BUTT JOINT AND HMA TAPER DETAILS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-05 BD32		284	221
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62093	

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

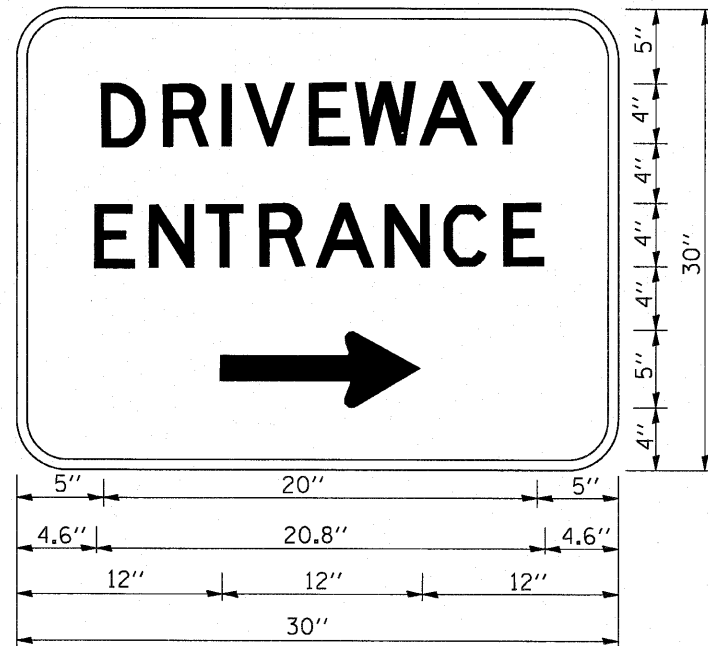
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 24 HOURS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS. TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
 - WORK AREA
 - SIGN ON PORTABLE OR PERMANENT SUPPORT
 - TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\gis\std\22x34\sc09.dgn	USER NAME = lajsa	DESIGNED - DWS	REVISIONS REVISED - JAF 01-03 REVISED - JAF 02-06 REVISOR - SPB 01-07 REVISOR - SPB 12-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS 284	SHEET NO. 222
PLOT SCALE = 5/8" = 1' IN.		CHECKED - DATE - 02-87	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-09		CONTRACT NO.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

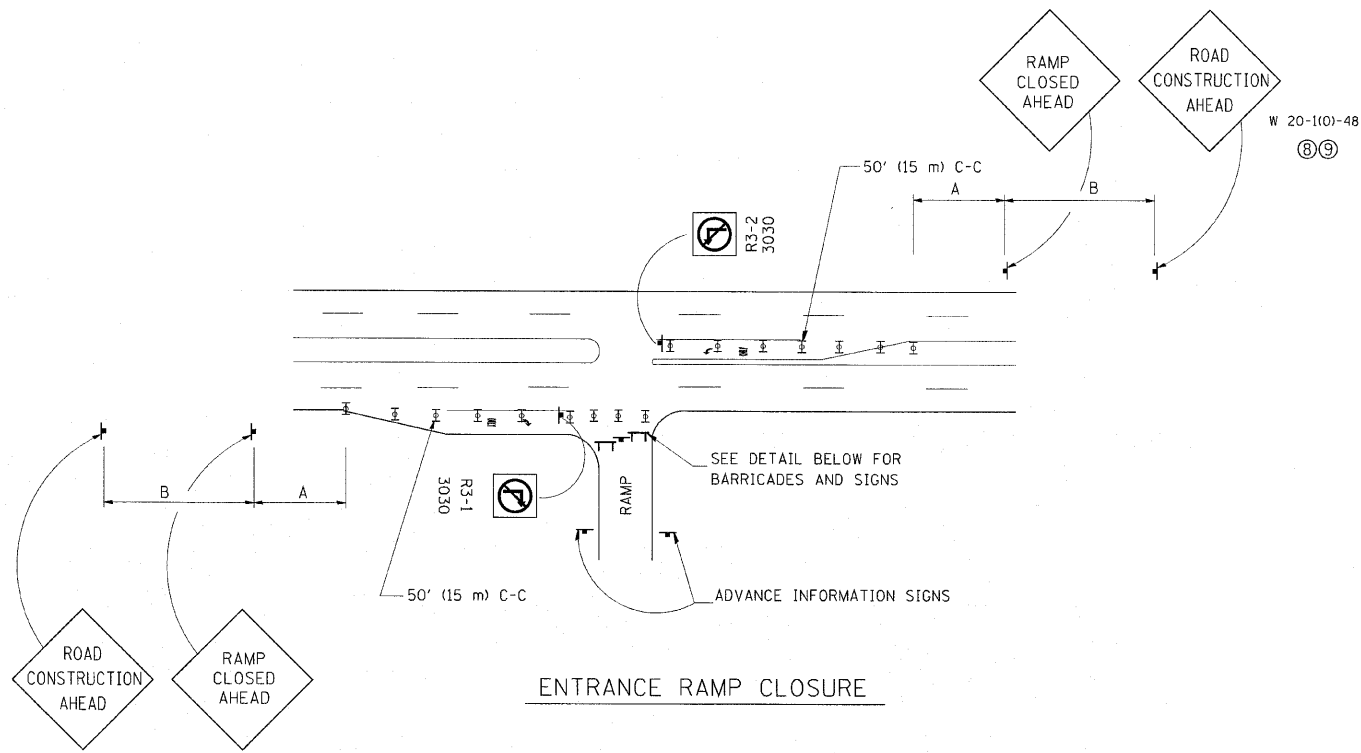


3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME = W:\diststd\22x34\te26.dgn	USER NAME = gagli.enobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -								284	223	
		PLOT SCALE = 50.000' / IN.	CHECKED -		REVISED -								
		PLOT DATE = 1/4/2008	DATE -		REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-26 CONTRACT NO.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



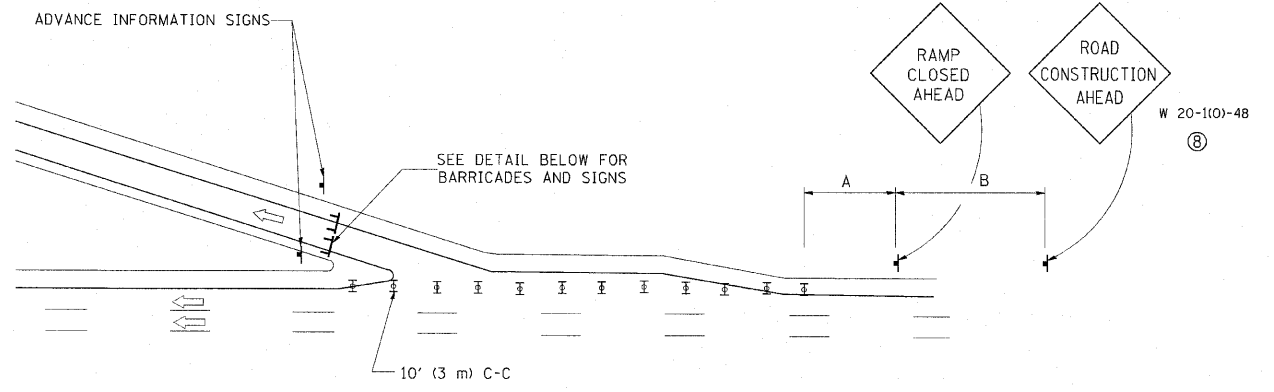
ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL >45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	150' (45 m)	150' (45 m)

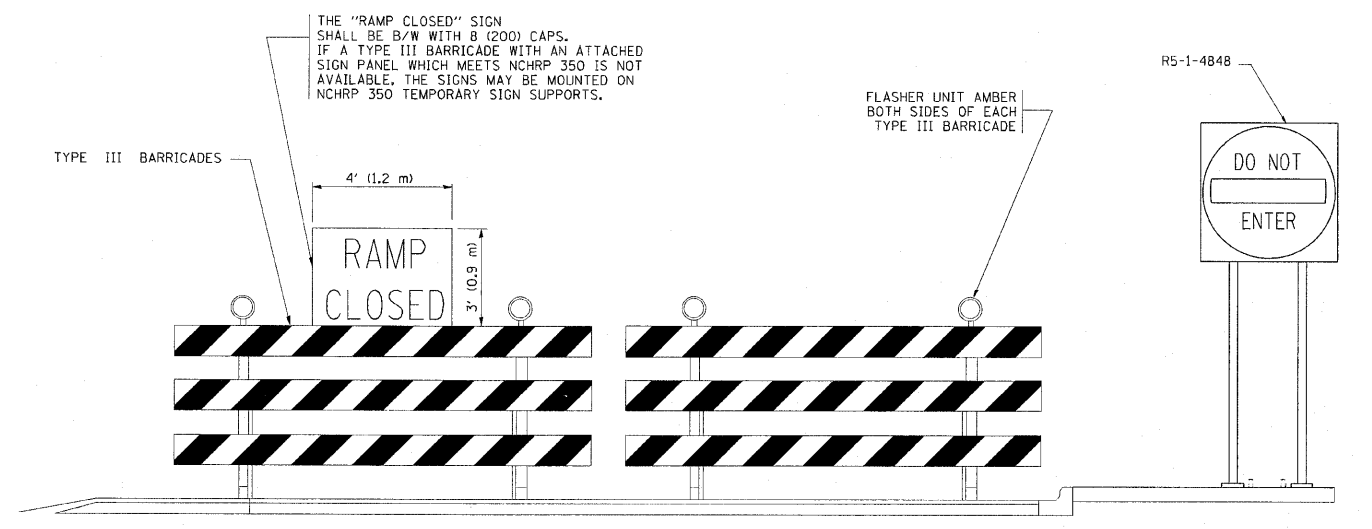
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.

W 20-1101-48 (8)(9)

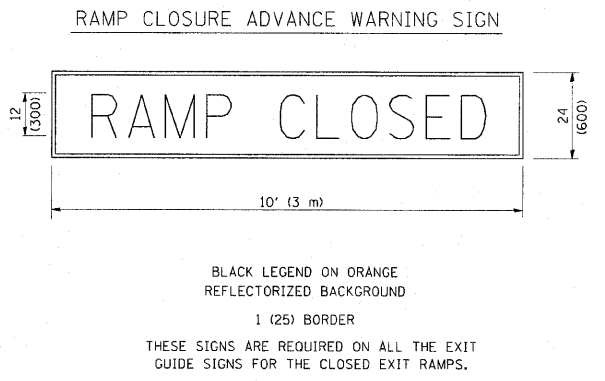


EXIT RAMP CLOSURE

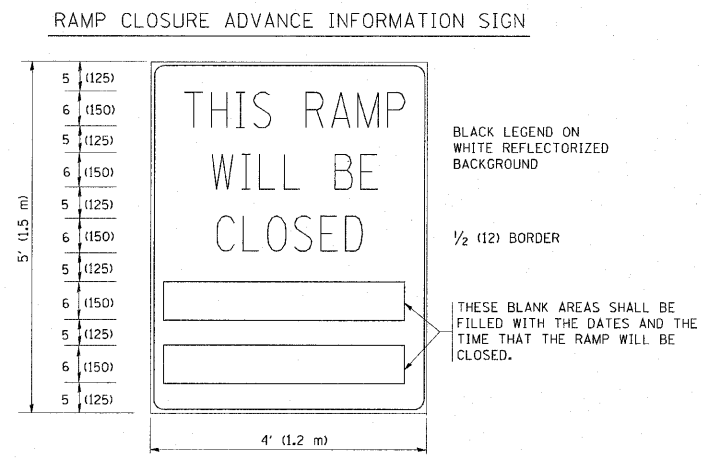
- SYMBOLS**
- ⌚ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - ⌚ TYPE III BARRICADE WITH FLASHING LIGHT



DETAIL FOR REQUIRED BARRICADES & SIGNS



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR (24) HOURS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

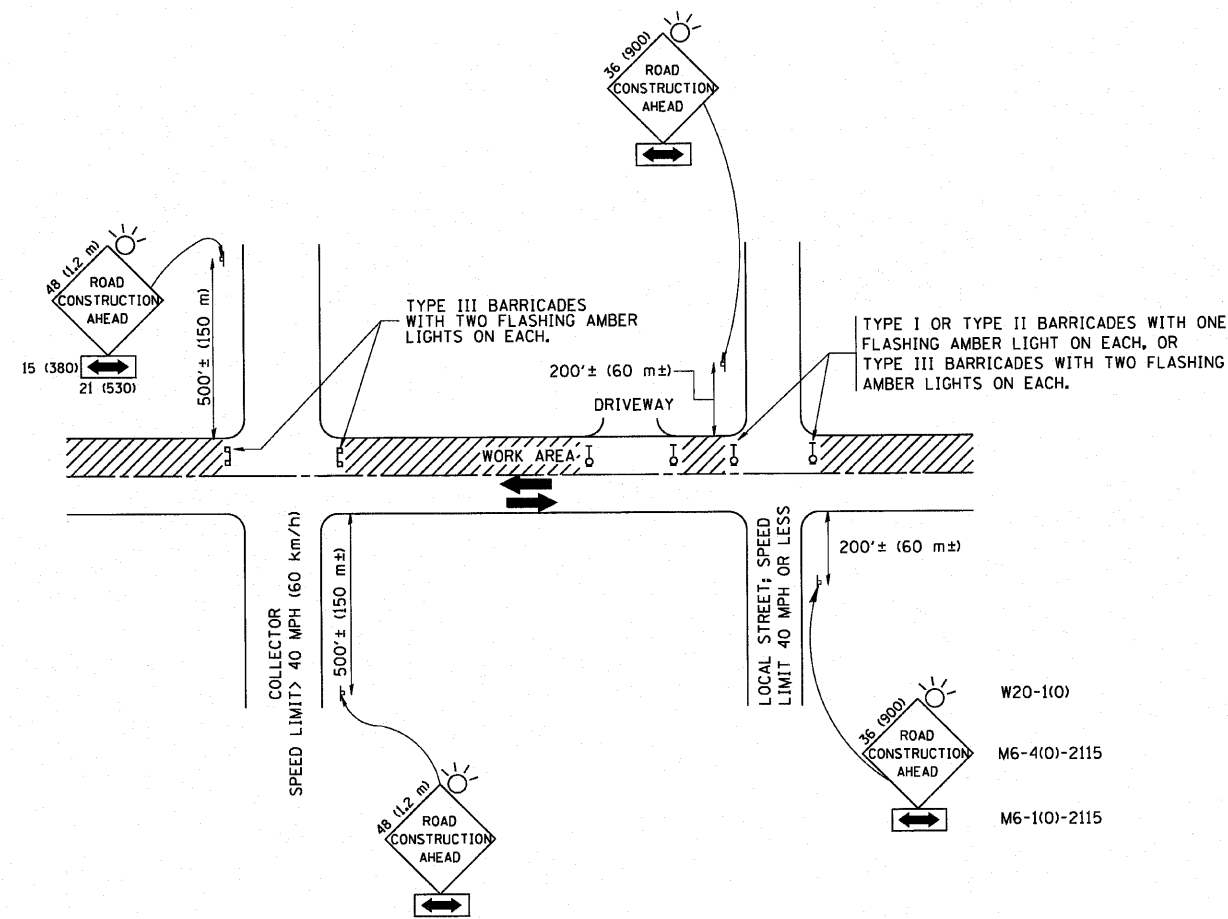
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\detroit\22x34\toR8.dgn	USER NAME = lryga	DESIGNED - DWS	REVISED - DWS/JAF 12-02
		DRAWN -	REVISED - JAF 02-06
		CHECKED -	REVISED - SPB 01-07
		DATE - 02-83	REVISED - SPB 12-09

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FREWAY ENTRANCE AND EXIST RAMP CLOSURE DETAILS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			284	224
TC-08			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

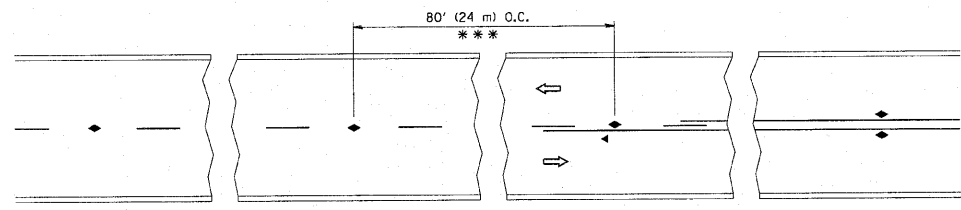
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = W:\diststd\22x34\td18.dgn	USER NAME = goglienobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

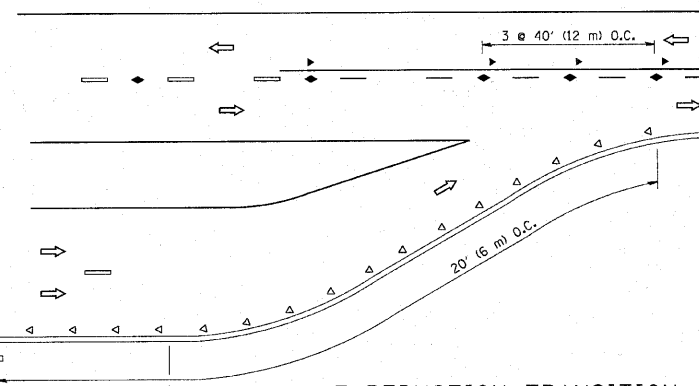
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TC-10		284	225
		TO STA.	CONTRACT NO. 62093			
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT						

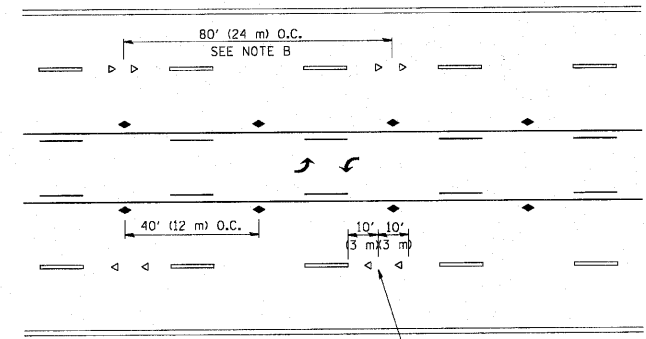


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

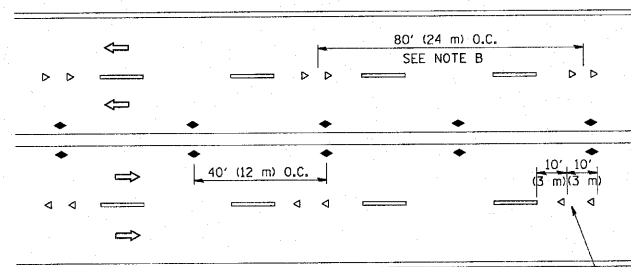
TWO-LANE/TWO-WAY



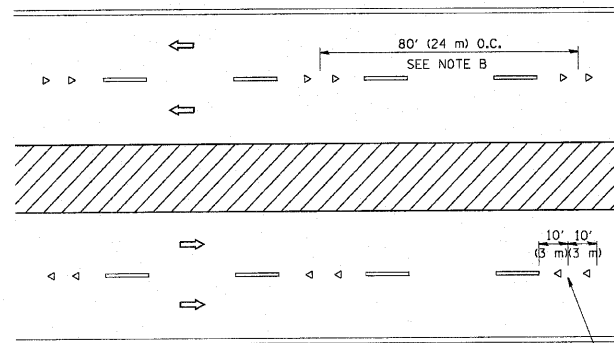
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

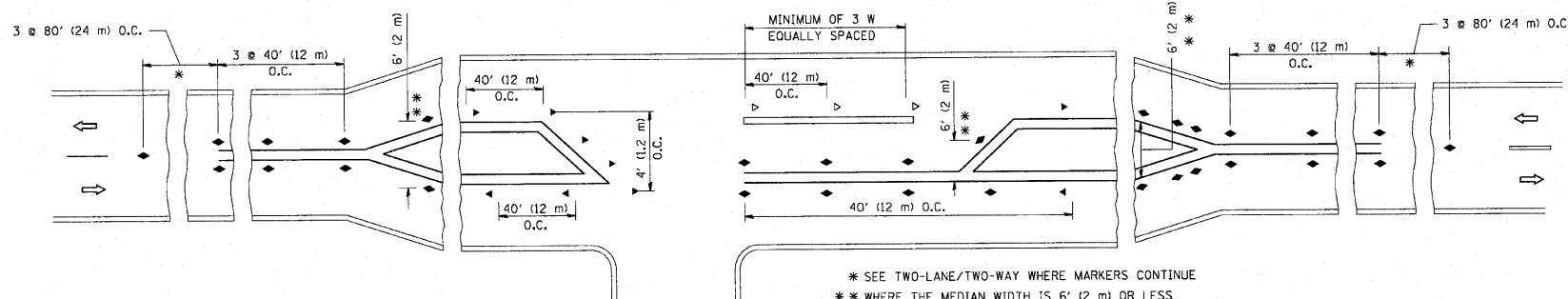
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

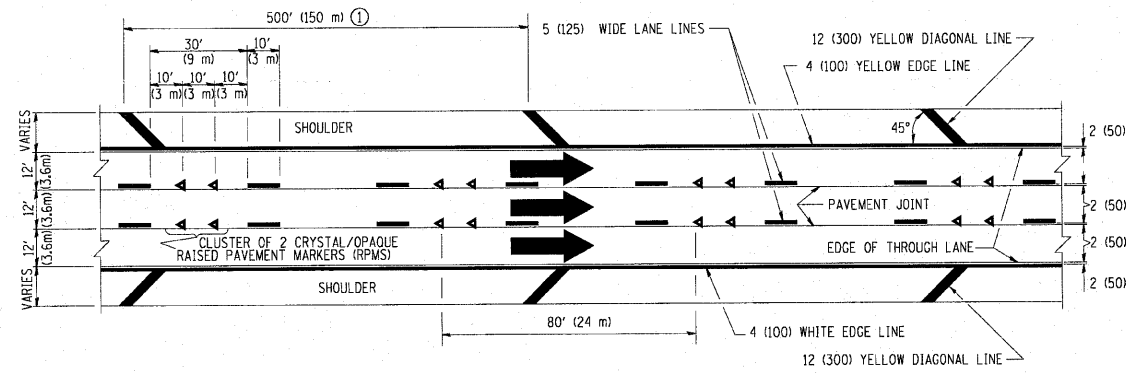
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
ct:\pw\work\pav\drivakosgn\d0188315\td1.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLDT SCALE = 50,000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLDT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

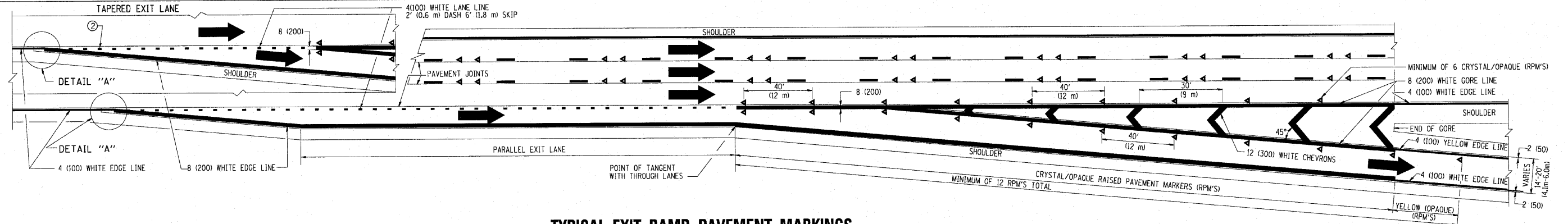
TYPICAL APPLICATIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)					284	226
SCALE: NONE		TC-11		CONTRACT NO. 62093		
SHEET NO. 1 OF 1 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



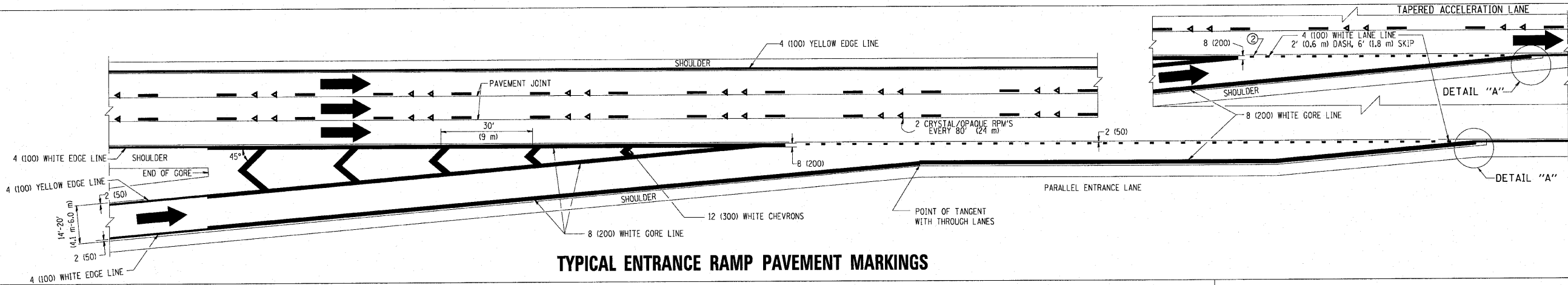
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

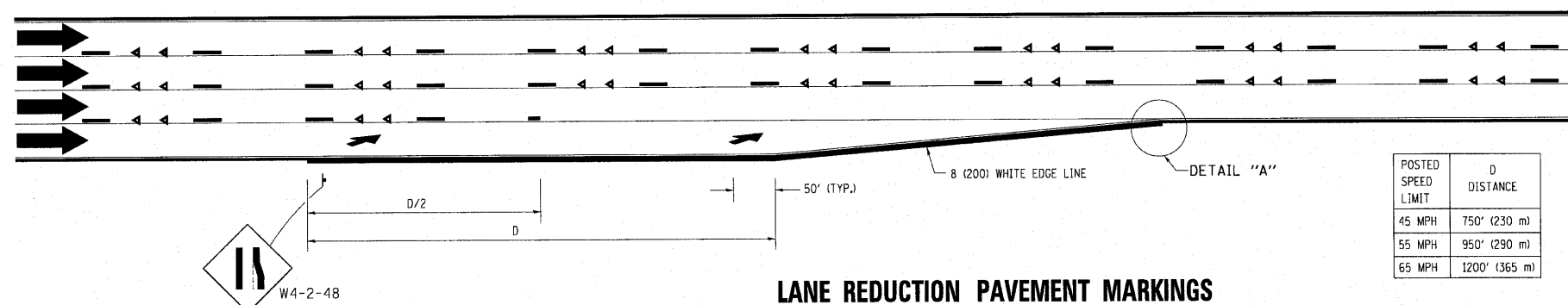
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

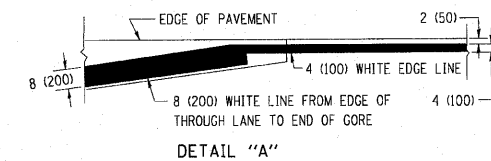


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



NOTES:

- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

FILE NAME =
c:\pwwork\p\DOT\LEYS\08188315\c12.dwg

USER NAME = leysa
PLOT SCALE = 50,000% 1/16"
PLOT DATE = 1/22/2018

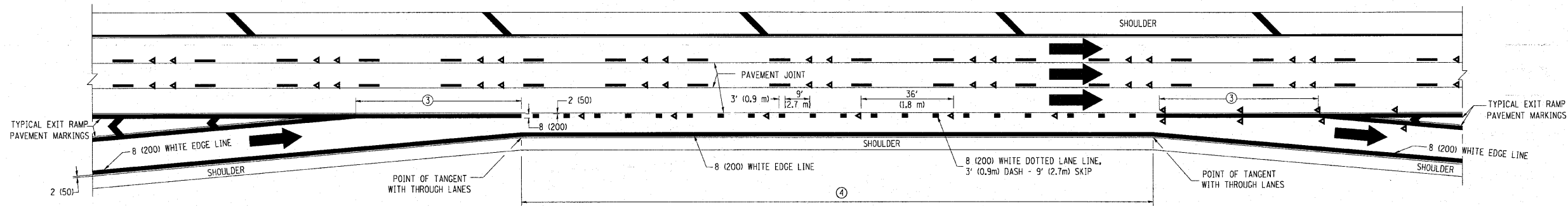
DESIGNED - D.W.S.
DRAWN -
CHECKED -
DATE - 01-90

REVISED - D.W.S. 07-96
REVISED - J.A.F. 02-06
REVISED - S.P.B. 01-07
REVISED - S.P.B. 01-10

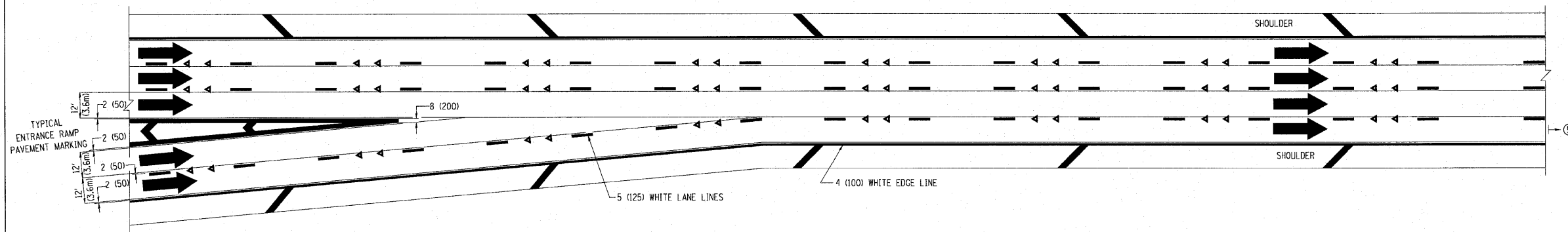
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**
SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

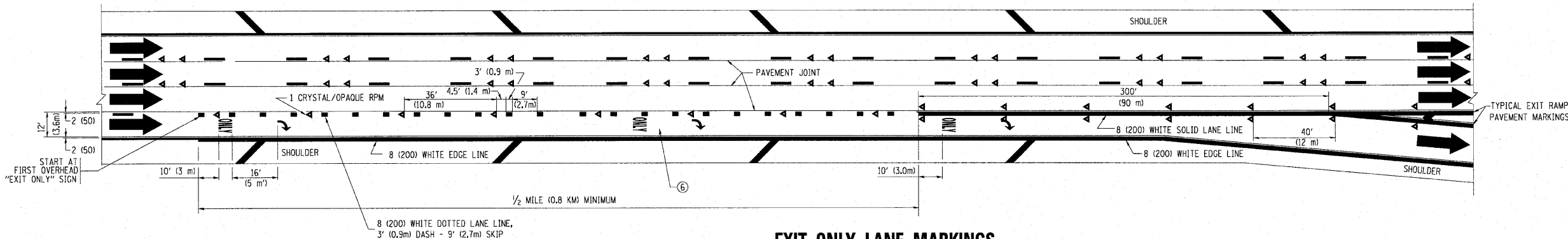
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-12		284	227
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	



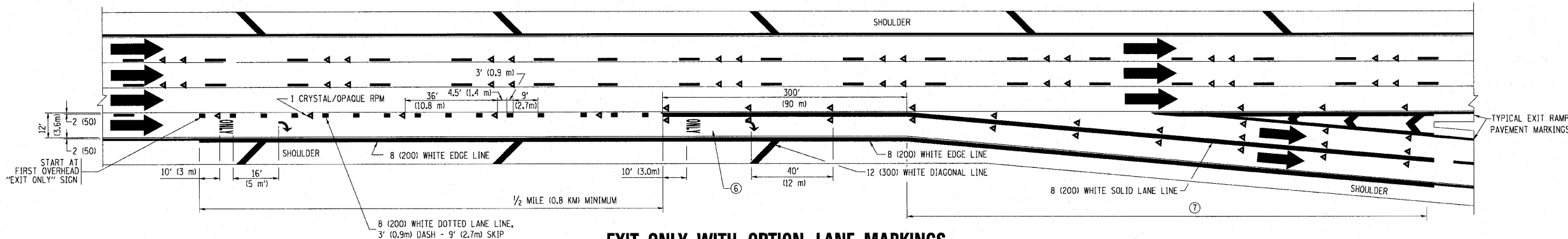
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



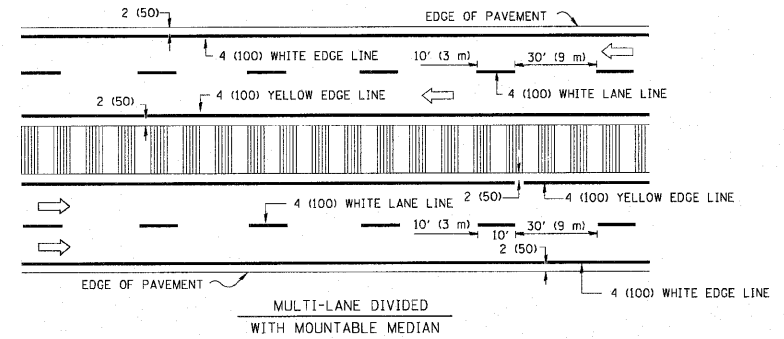
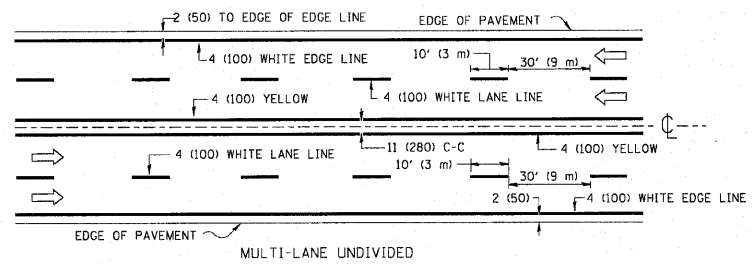
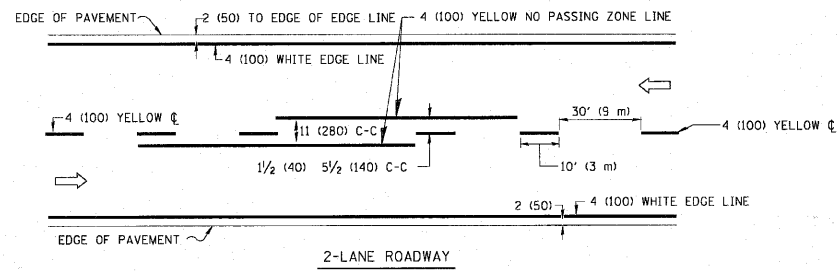
EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

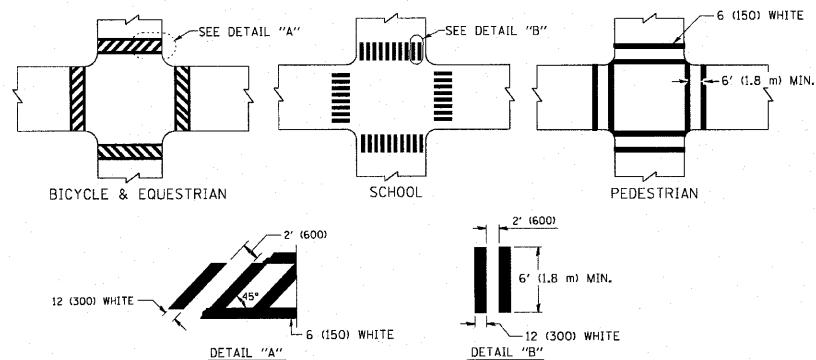
- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

FILE NAME = c:\pw_work\VPWIDOT\LEYSAD\0108315\1c12.dgn	USER NAME = leysa	DESIGNED - D.W.S.	REVISED - D.W.S. 07-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,000' / IN.	DRAWN -	CHECKED -	REVISED - J.A.F. 02-06		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	TC-12	CONTRACT NO.	284	228
PLOT DATE = 1/22/2010	DATE - 01-90	REVISOR - S.P.B. 01-07	REVISOR - S.P.B. 01-10		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

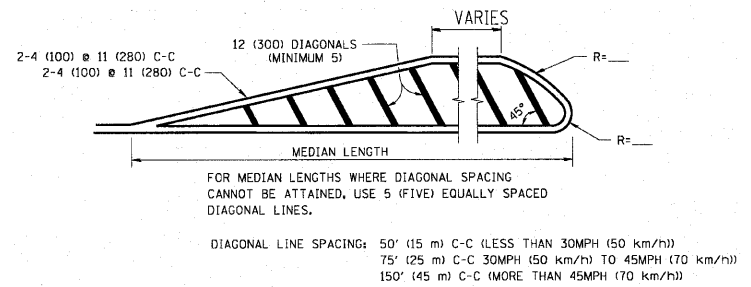
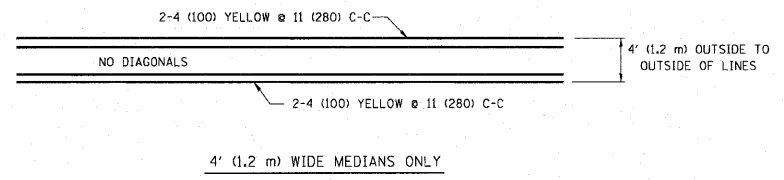


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

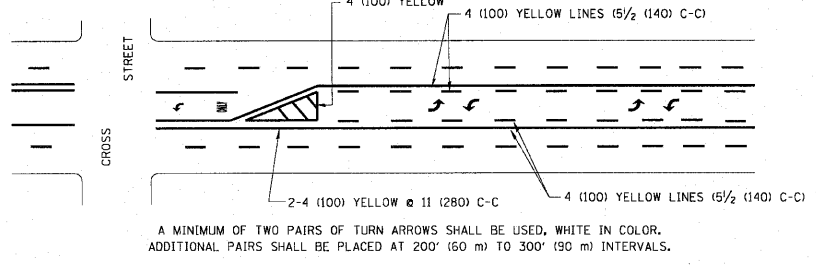
TYPICAL LANE AND EDGE LINE MARKING



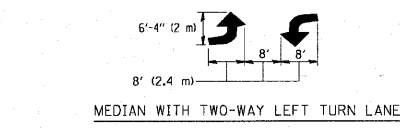
TYPICAL CROSSWALK MARKING



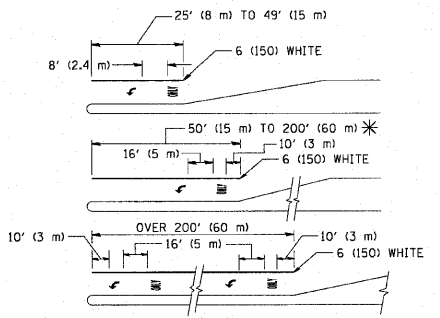
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING



TYPICAL PAINTED MEDIAN MARKING

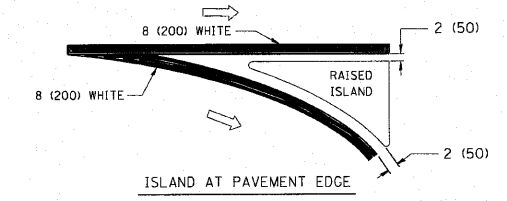
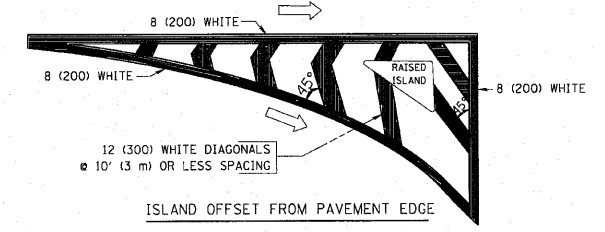


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

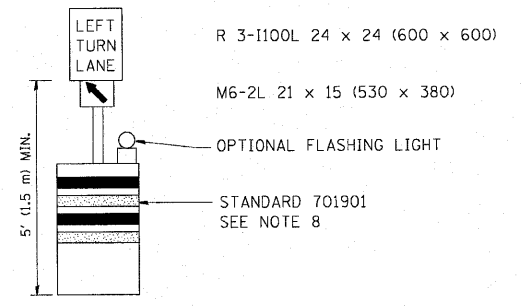
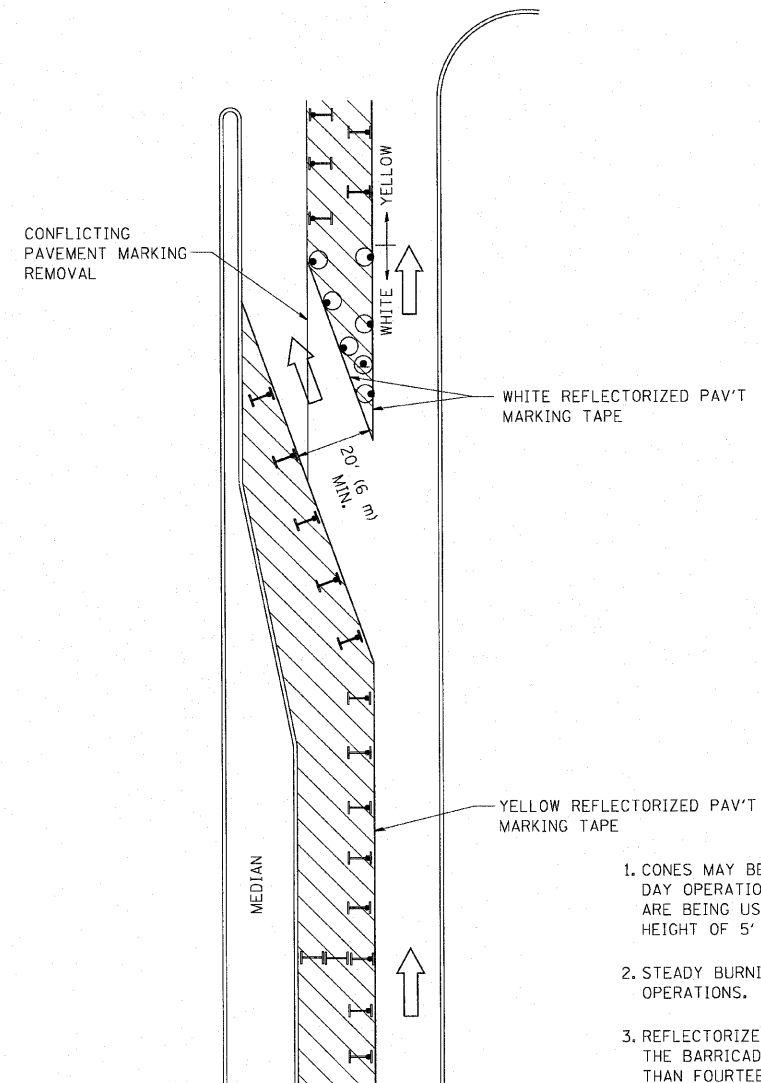
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13		284	229
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 62093	
FED. AID PROJECT				

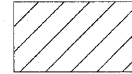







GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

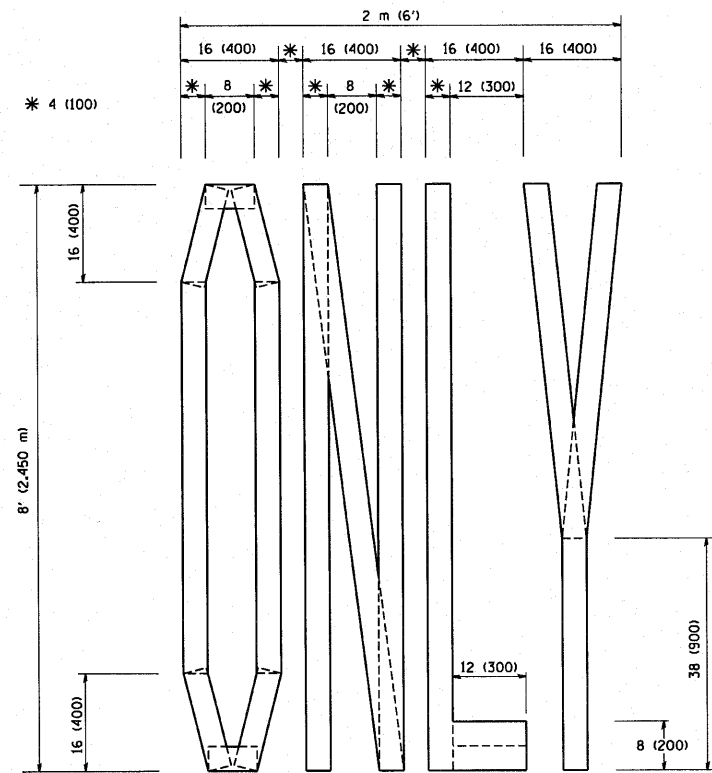
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	PLOT SCALE = 49,9999' / 1IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 9/14/2009	REVISED - T, RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

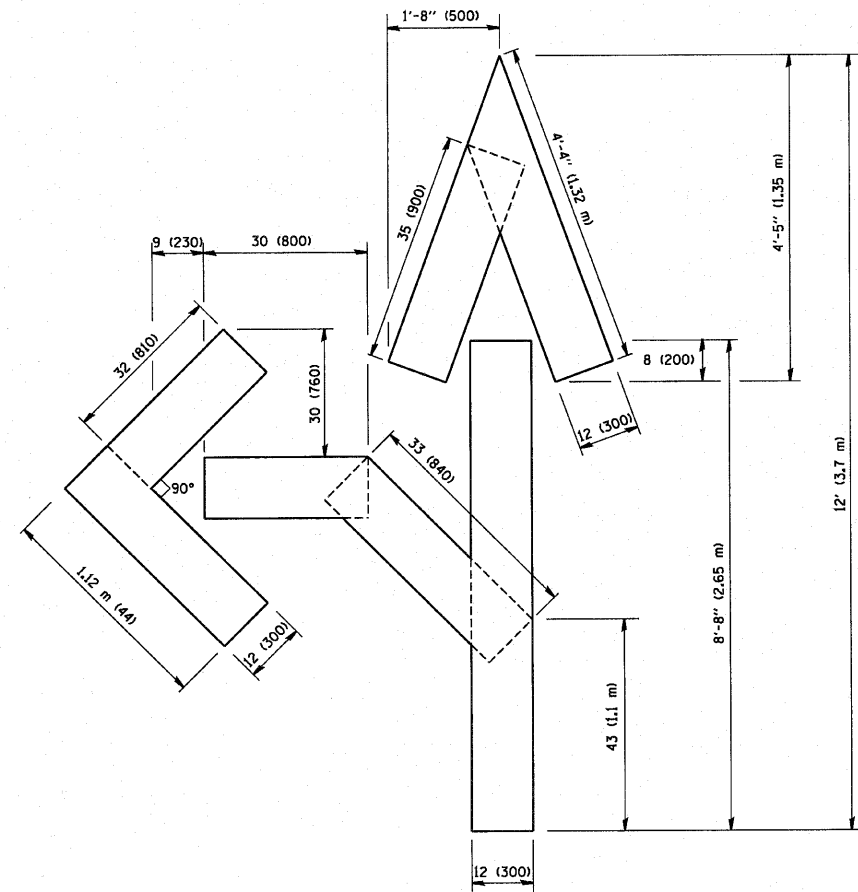
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.
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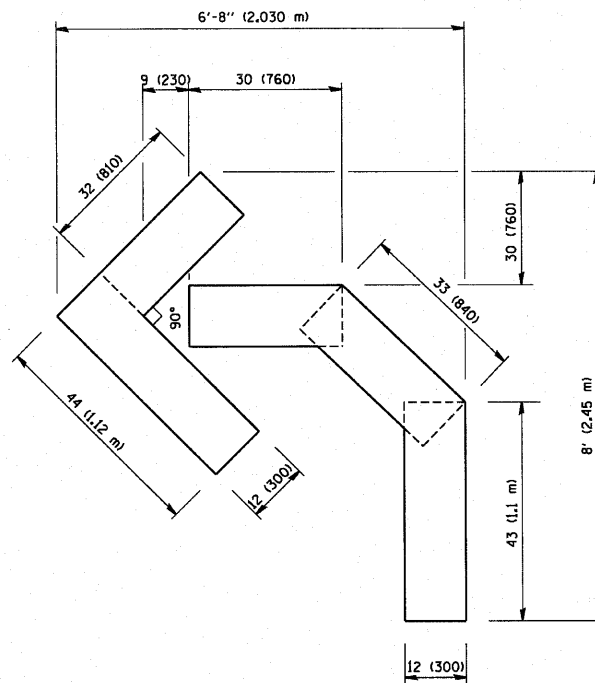
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			284	230
TC-14		CONTRACT NO. 62093		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\diststd\22x34\lcl16.dgn	USER NAME = gaglienobt	DESIGNED -	REVISED - T. RAMMACHER 06-05-96
		DRAWN -	REVISED - T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000" / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

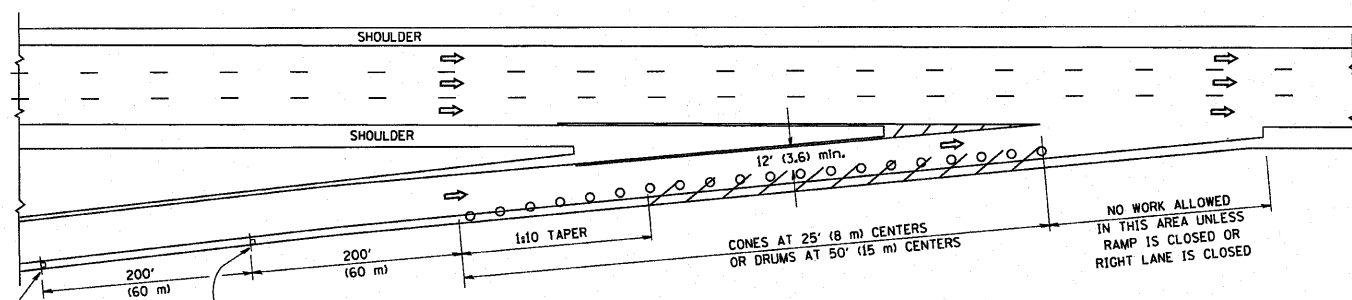
PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

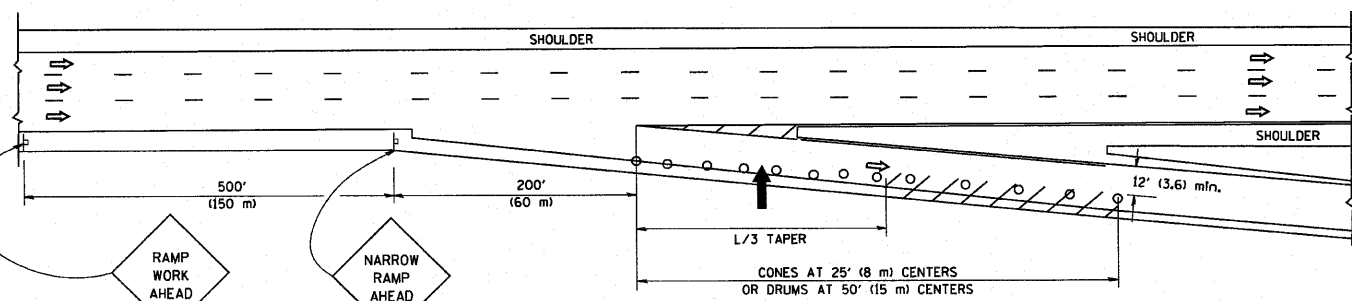
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-16		284	231
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62093	

PARTIAL RAMP CLOSURE DETAILS

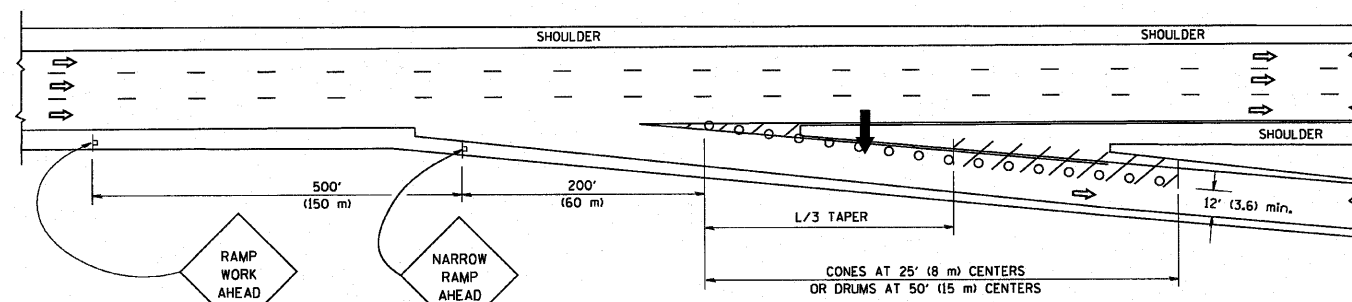
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

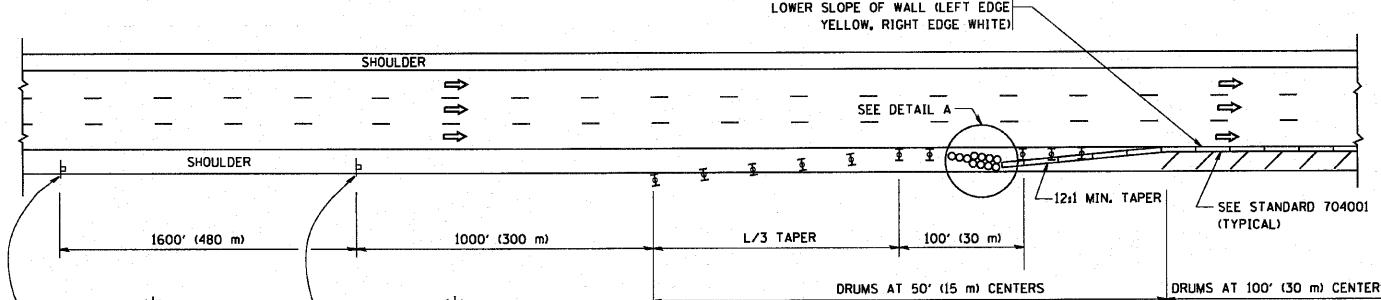
SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

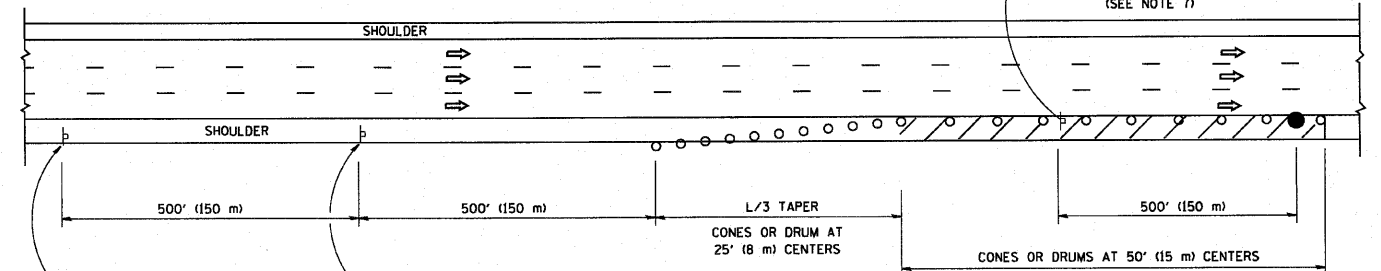
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC: $L=0.65(W)(S)$ ENGLISH: $L=(W)(S)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

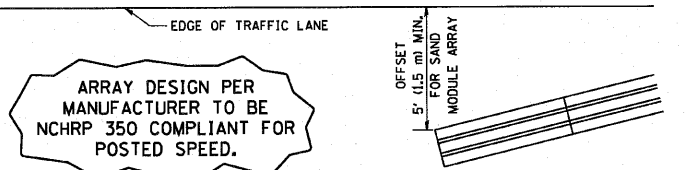


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

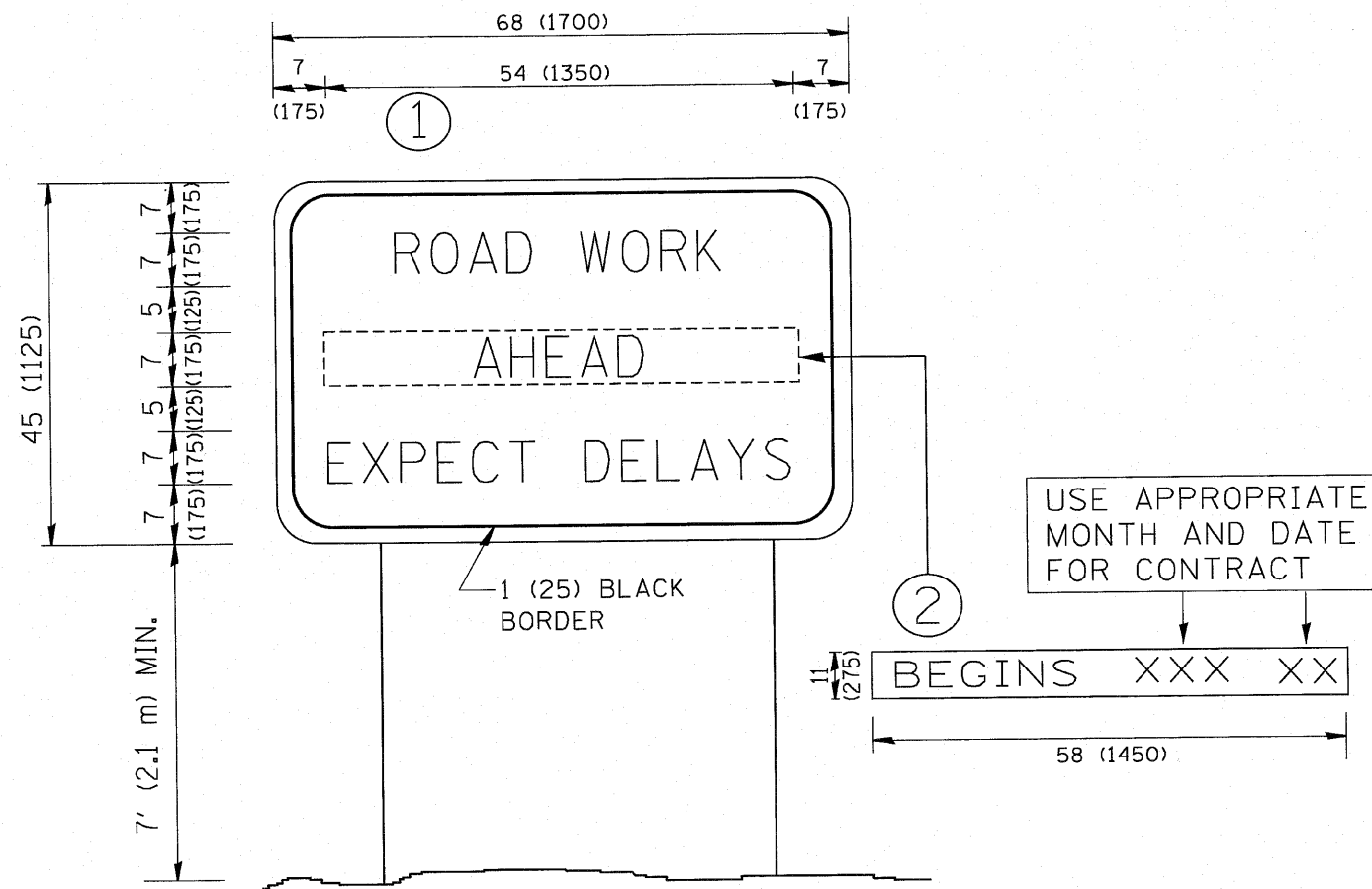
THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dvtstd\22x34\tcl7.dgn	USER NAME = gaglienobt	DESIGNED - DRAWN - D.W.S.	REVISED - J.A.F. 12-02 REVISED - 04-03 REVISED - J.A.F. 12-06 REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,0000' / IN.		CHECKED - DATE - 11-96		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		TC-17		CONTRACT NO. 62093		
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dstato\22x34\to22.dgn	USER NAME = geglienobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

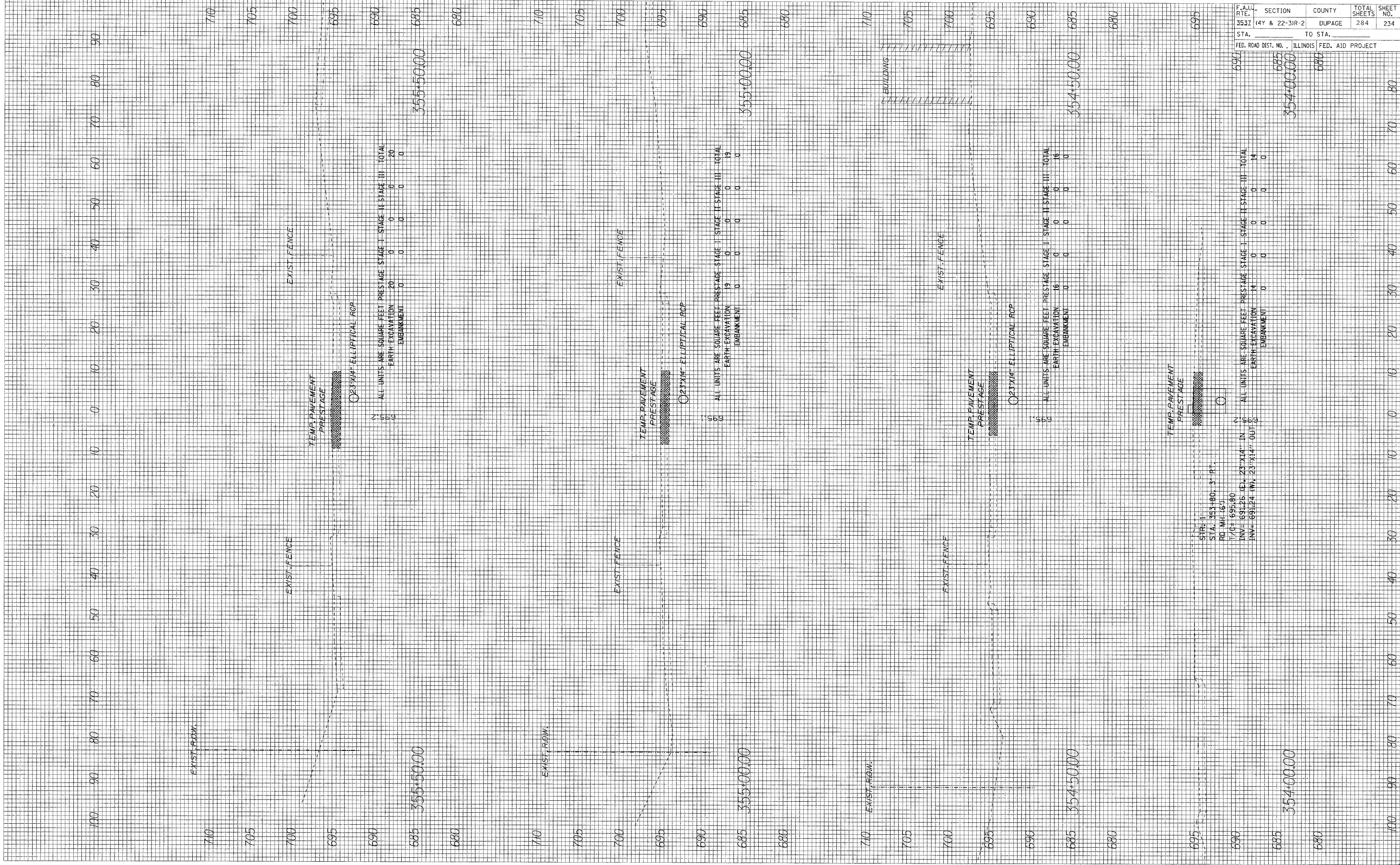
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-22		284	233
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62093	

ORIGINAL SURVEY PLOTTED
NOTE BOOK NO. _____
DATE _____

FINAL SURVEY PLOTTED
NOTE BOOK NO. _____
DATE _____



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 20 0 0 0 20
EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 19 0 0 0 19
EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 16 0 0 0 16
EMBANKMENT 0 0 0 0 0

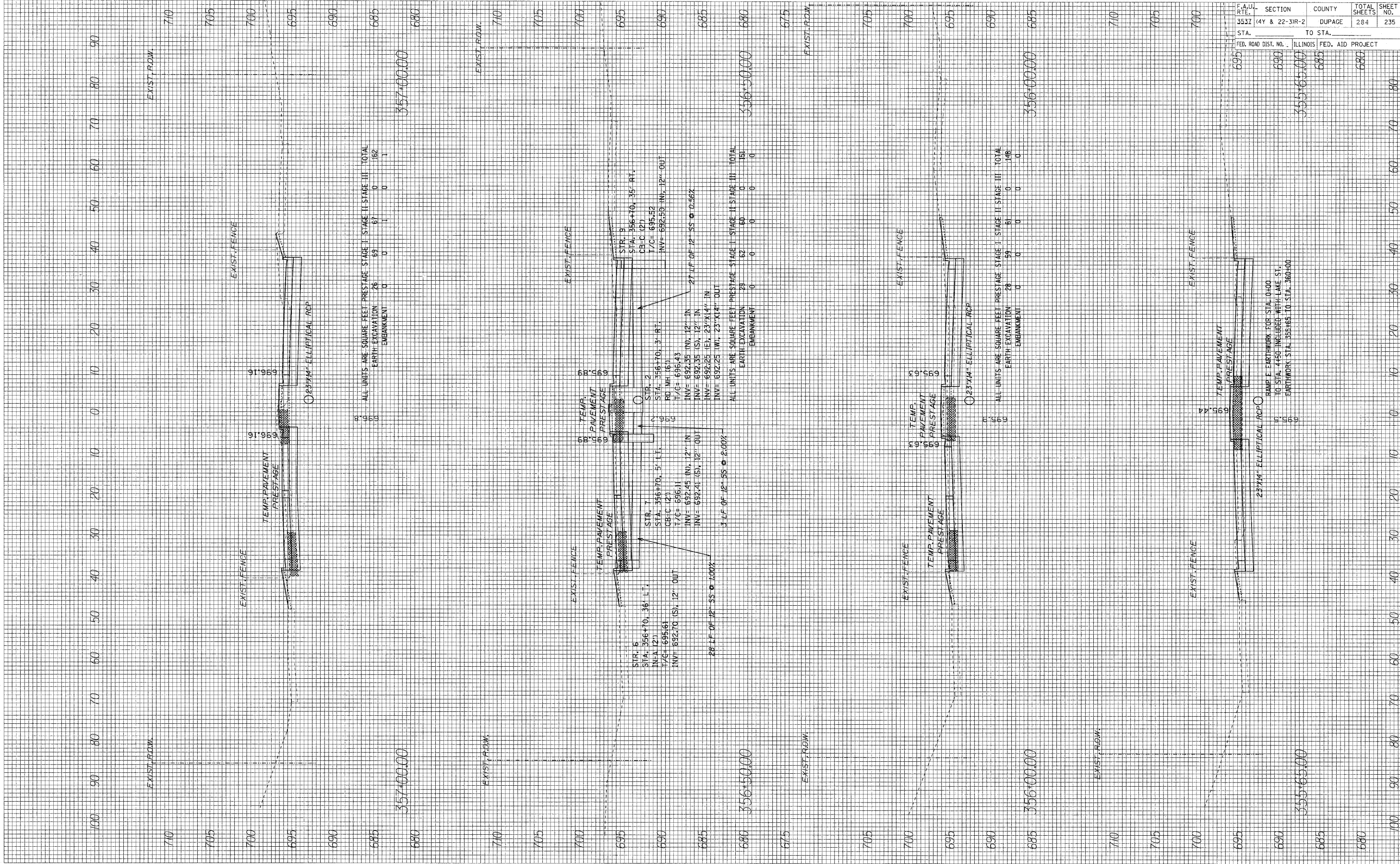
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 14 0 0 0 14
EMBANKMENT 0 0 0 0 0

STAKE I
STA. 353+80.31 FT.
RD. M.I. (6)
I/G = 695.80
INV. = 691.25 (E), 23"x14" IN. G
INV. = 691.24 (W), 23"x14" OUT. G

F.A.U. RTE. 353Z	SECTION (4Y & 22-31R-2)	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 234
STA. 690	TO STA. 680		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

ORIGINAL SURVEY	DATE
SWAYED PLOTTED	BY
NOTE BOOK	NO.
AREAS CHECKED	

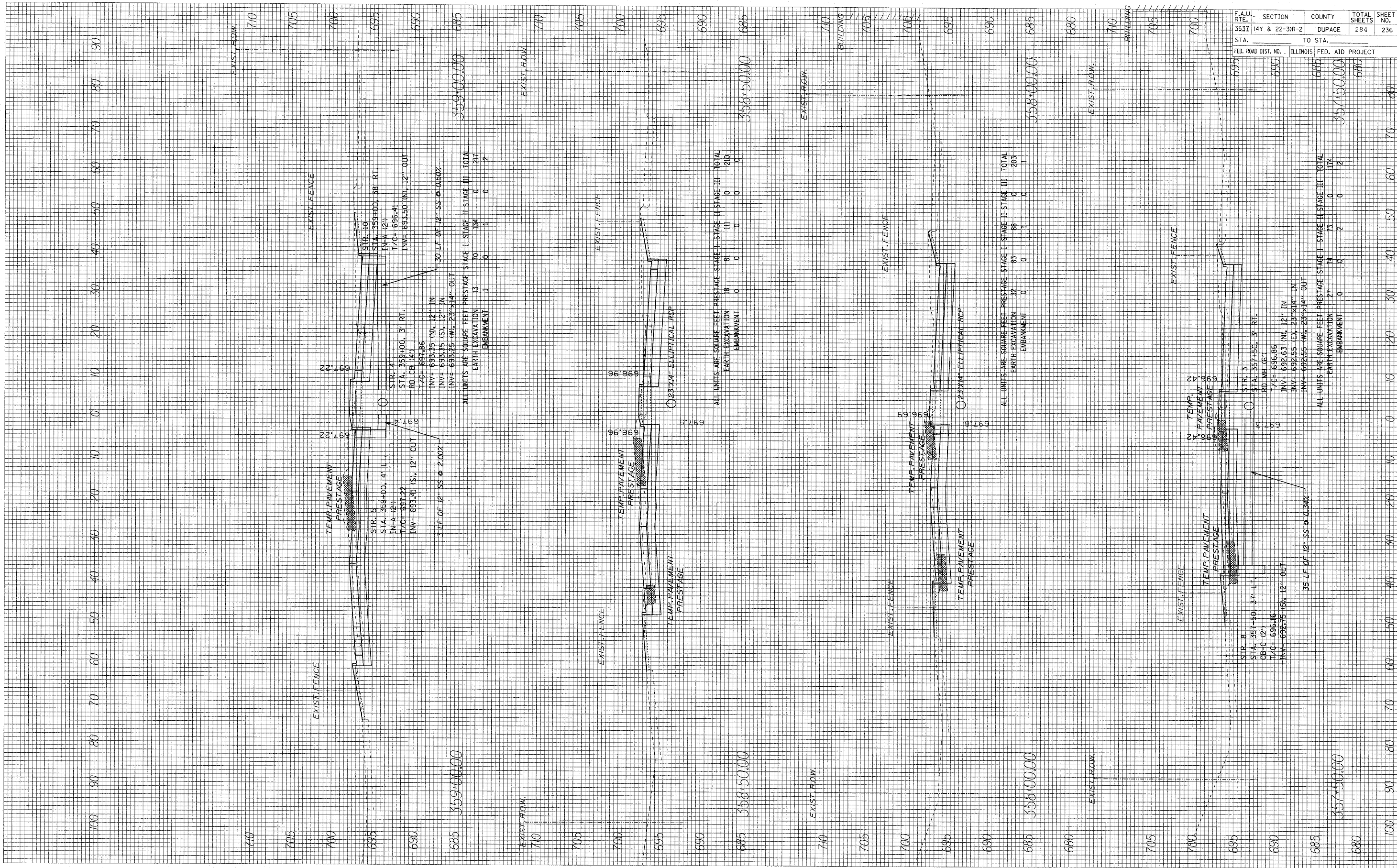
FINAL SURVEY	DATE
SWAYED PLOTTED	BY
NOTE BOOK	NO.
AREAS CHECKED	



F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3532	(4Y & 22-3)R-2	DUPAGE	284	235
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
695	690	685	680	80
355+65.00				

FINAL SURVEY PLOTTED TEMPLATE NO. BY DATE

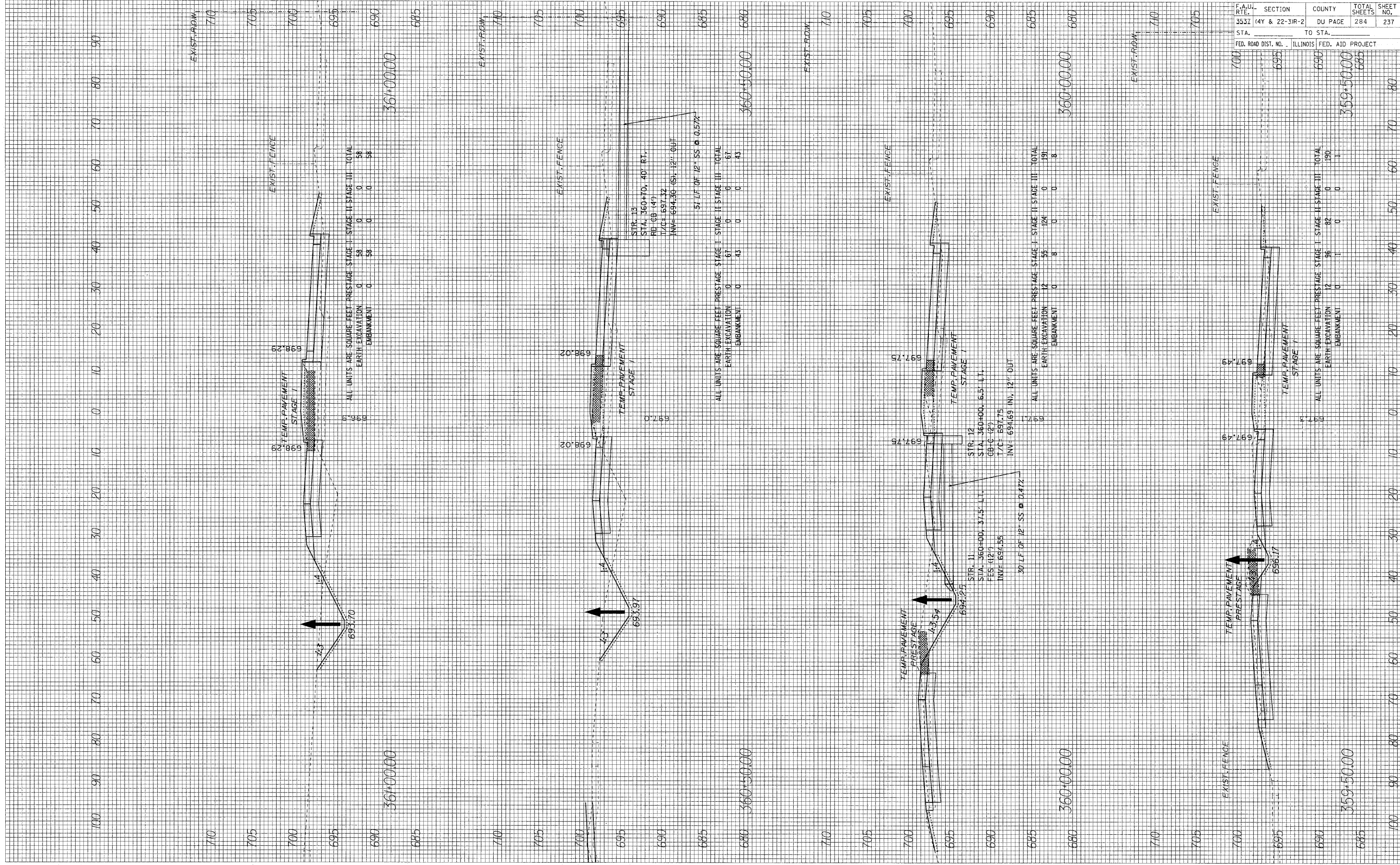
ORIGINAL SURVEY PLOTTED TEMPLATE NO. BY DATE



F.A.U. R.T. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353Z	14Y & 22-31R-2	DUPAGE	284	236
STA.	TO STA.			
695	690			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		357+50.00		
		685		
		680		

FINAL SURVEY	DATE
NO. _____	BY _____
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NO. _____	BY _____
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	58	0	0	58
EMBANKMENT	0	58	0	0	58

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	67	0	0	67
EMBANKMENT	0	43	0	0	43

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	12	55	124	0	191
EMBANKMENT	0	8	0	0	8

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

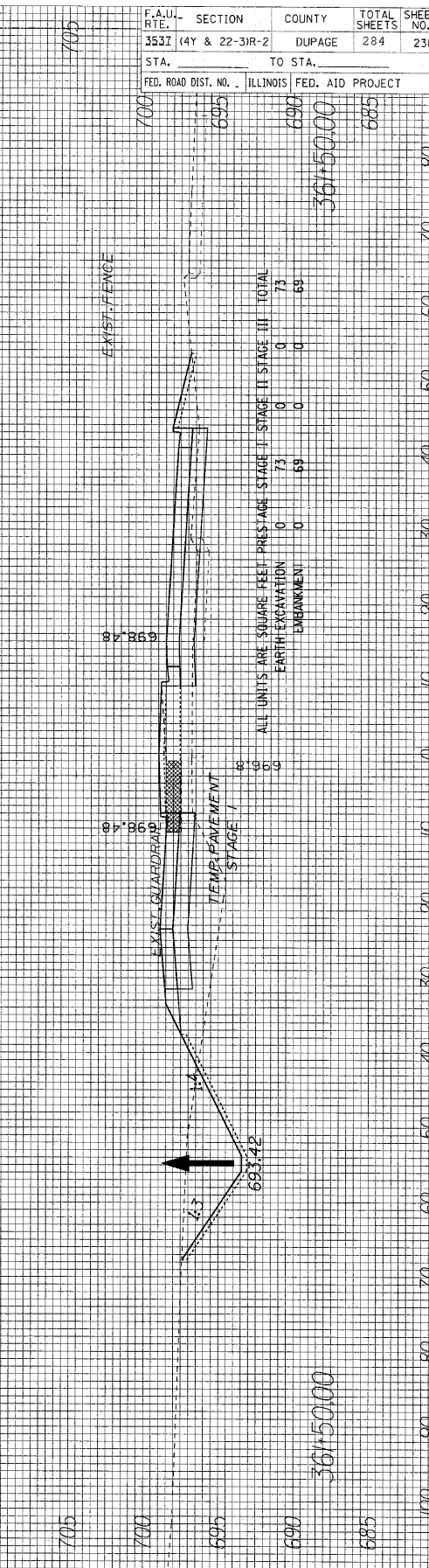
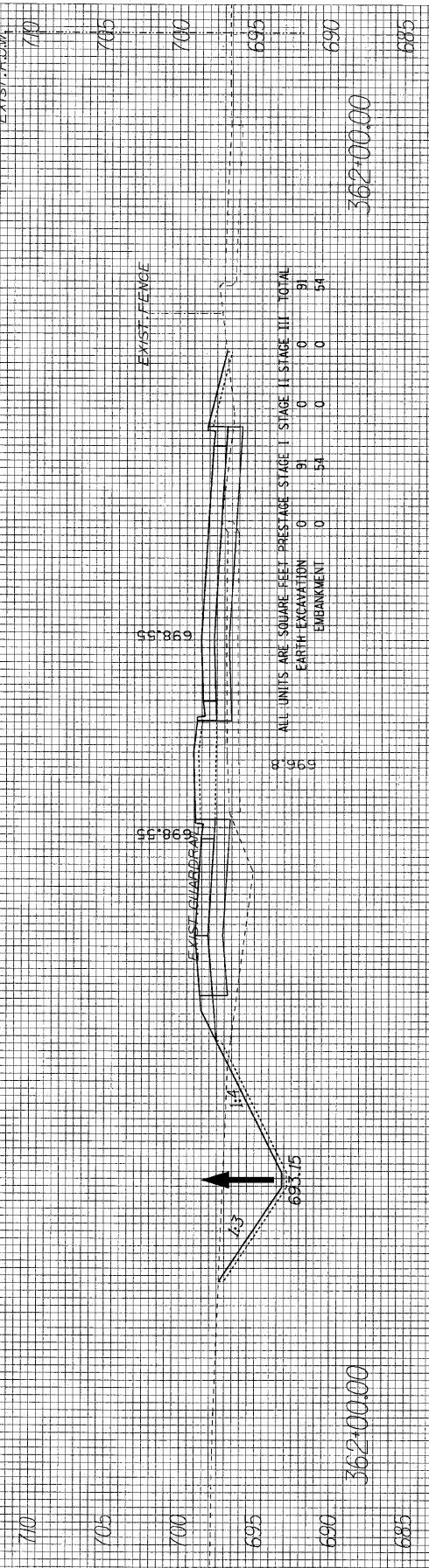
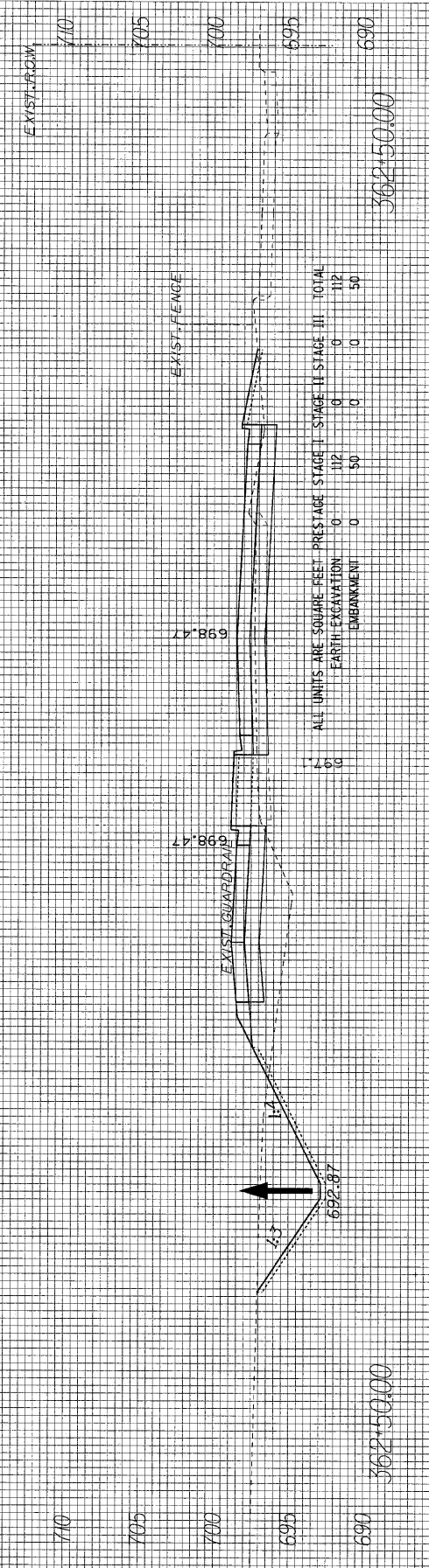
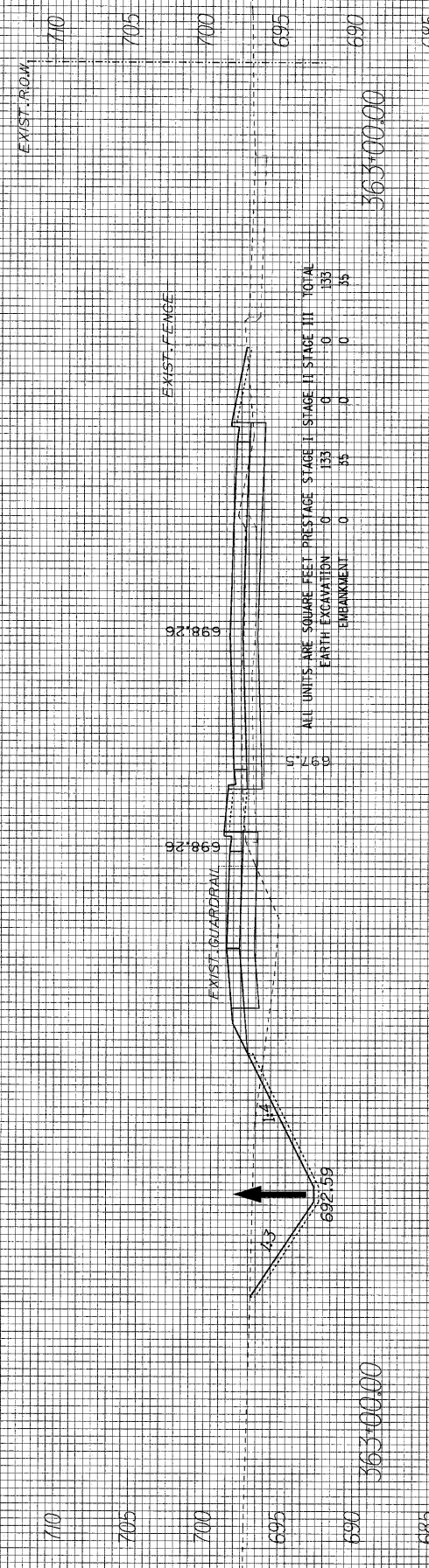
EARTH EXCAVATION	12	96	82	0	190
EMBANKMENT	0	1	0	0	1

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3531	(4Y & 22-3R-2)	DU PAGE	284	237
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

FINAL SURVEY SURVEYED PLOTTED NOTE BOOK NO. BY DATE

ORIGINAL SURVEY SURVEYED PLOTTED NOTE BOOK NO. BY DATE

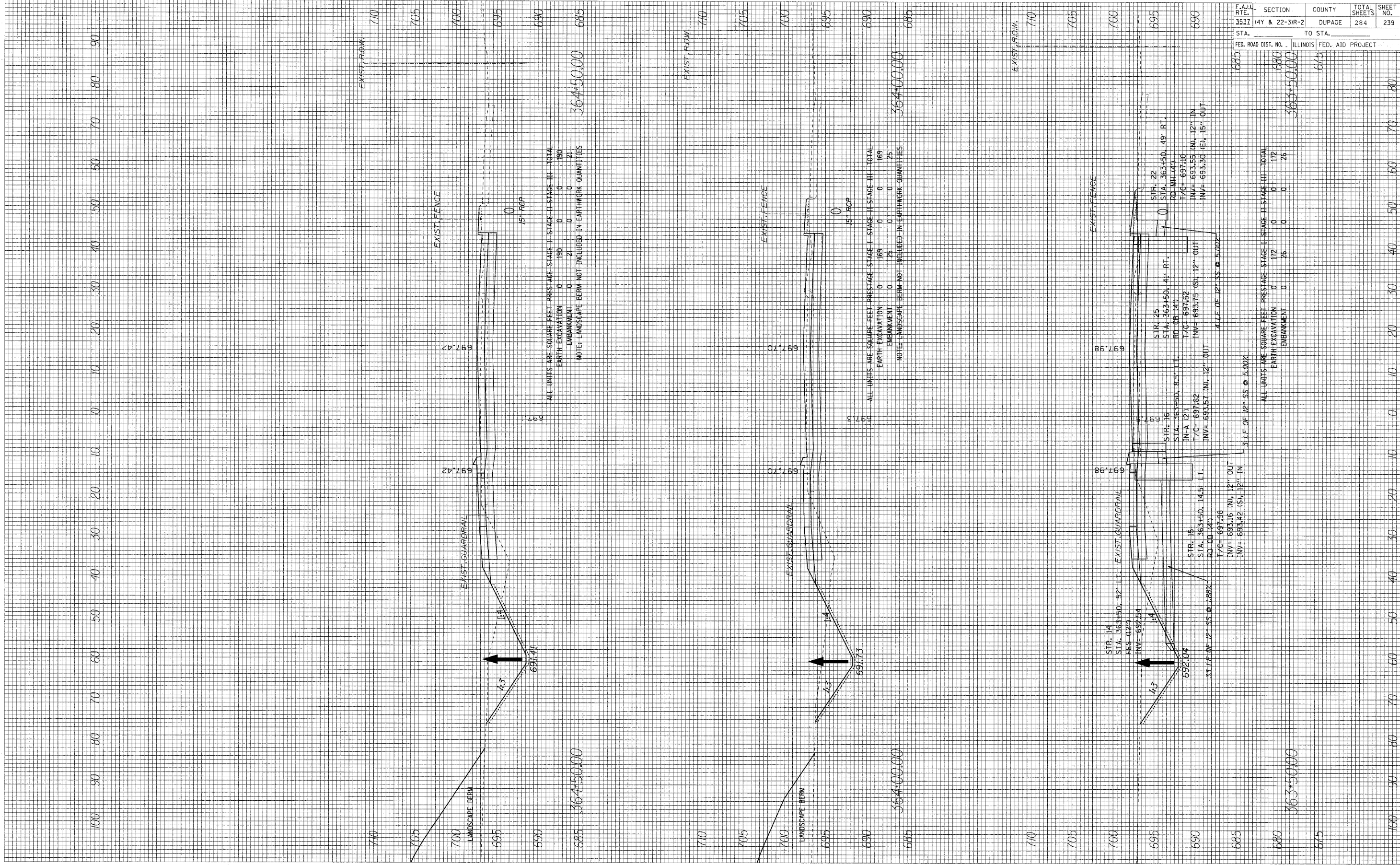
100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90



F.A.U. RTE. 3531	SECTION (4Y & 22-3R-2)	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 238
STA. 700	TO STA. 695			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
			361+50.00	685

FINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 NO. _____ BY _____ DATE _____
 AREAS CHECKED

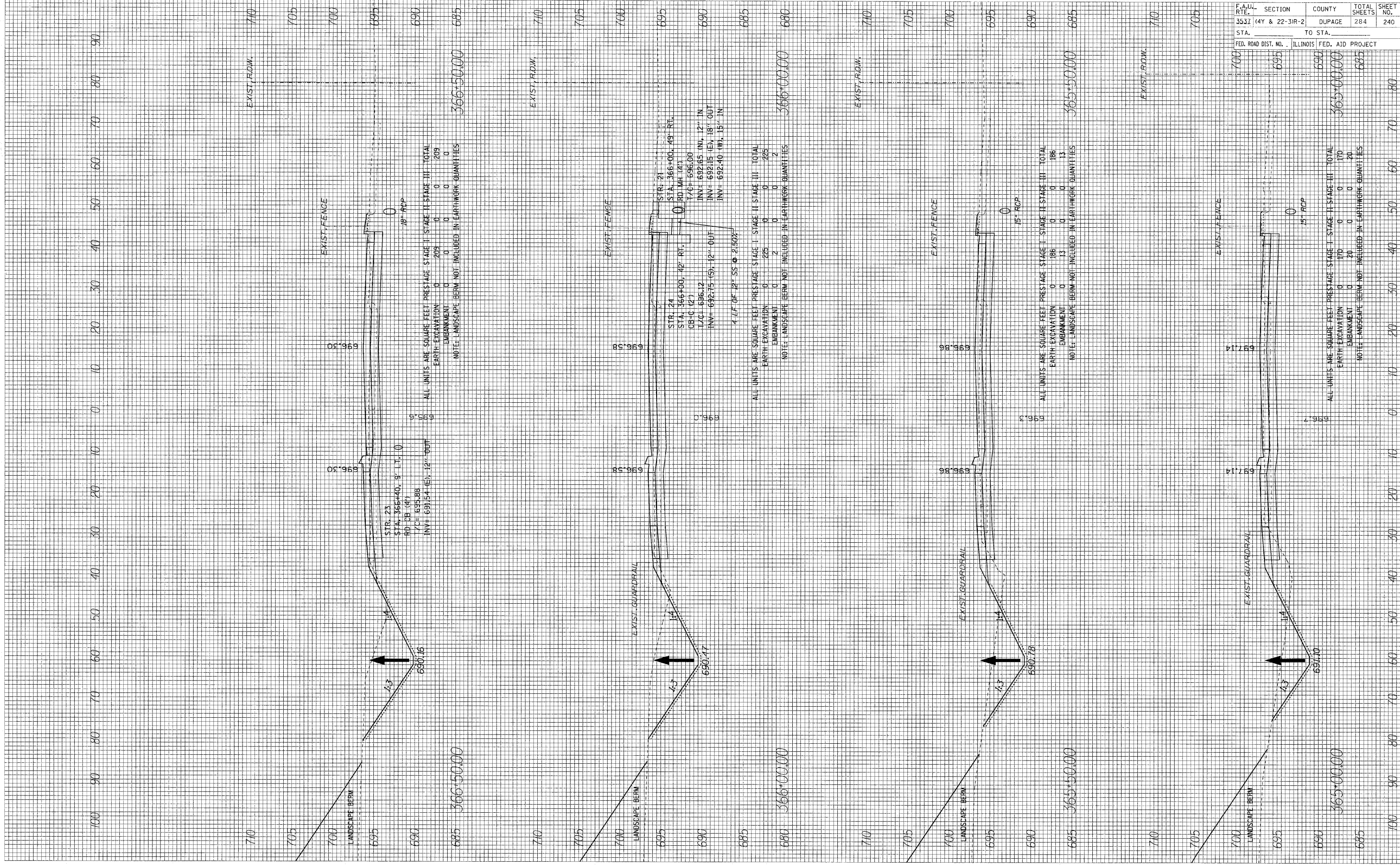
ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 NO. _____ BY _____ DATE _____
 AREAS CHECKED



F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3531	4Y & 22-3R-2	DUPAGE	284	239
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY SUPERVISED BY DATE
 SURVEY PLOTTED BY DATE
 NOTE BOOK TEMPLATE NO.
 AREAS CHECKED

ORIGINAL SURVEY SUPERVISED BY DATE
 SURVEY PLOTTED BY DATE
 NOTE BOOK TEMPLATE NO.
 AREAS CHECKED



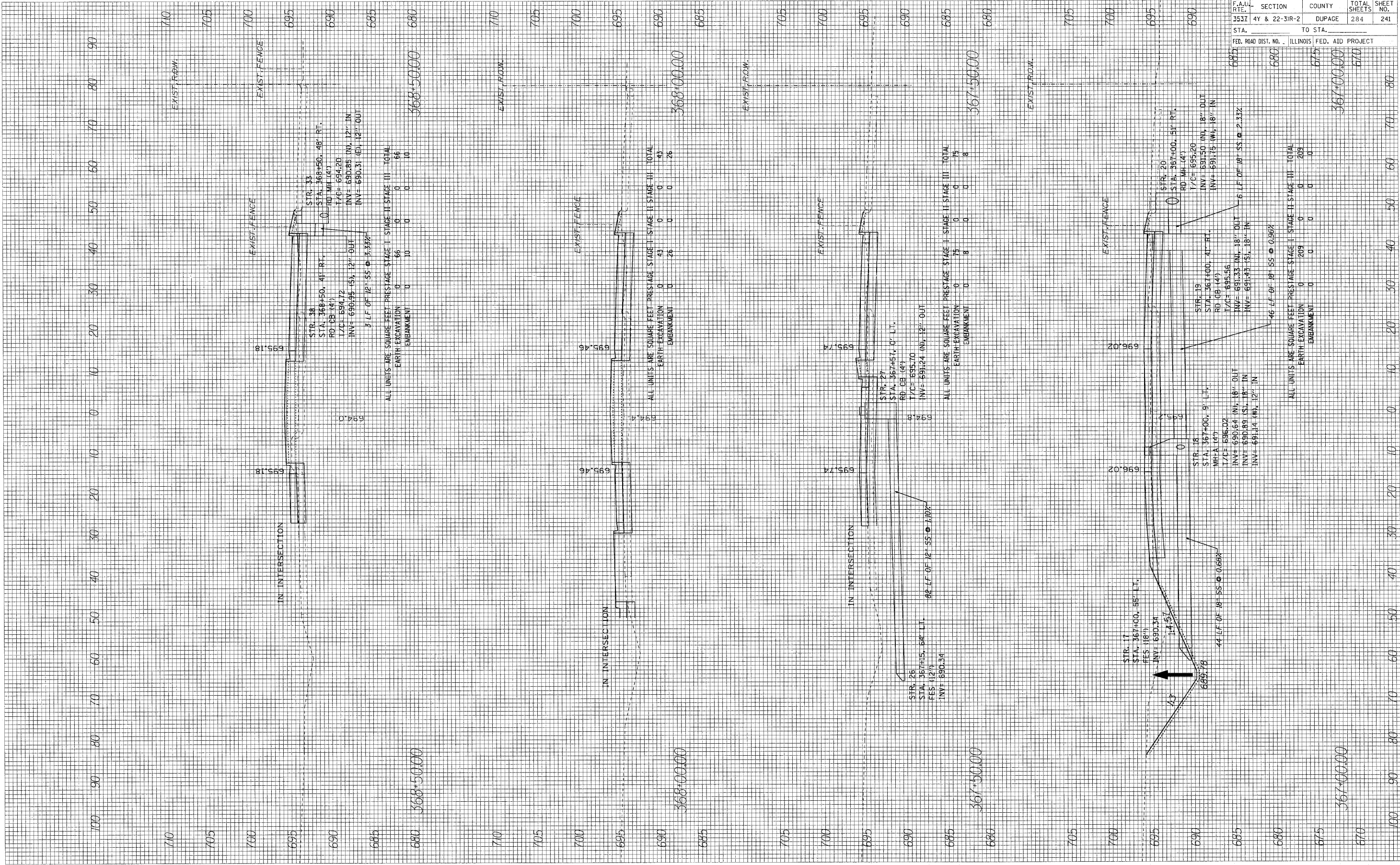
F.A.W. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3531	4Y & 22-3R-2	DUPAGE	284	240
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

FIRM SURVEYED
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

BY _____ DATE _____
 BY _____ DATE _____

BY _____ DATE _____
 BY _____ DATE _____



F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	4Y & 22-31R-2	DUPAGE	284	241
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	66	0	0	66
EMBANKMENT	0	10	0	0	10

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	43	0	0	43
EMBANKMENT	0	26	0	0	26

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	75	0	0	75
EMBANKMENT	0	8	0	0	8

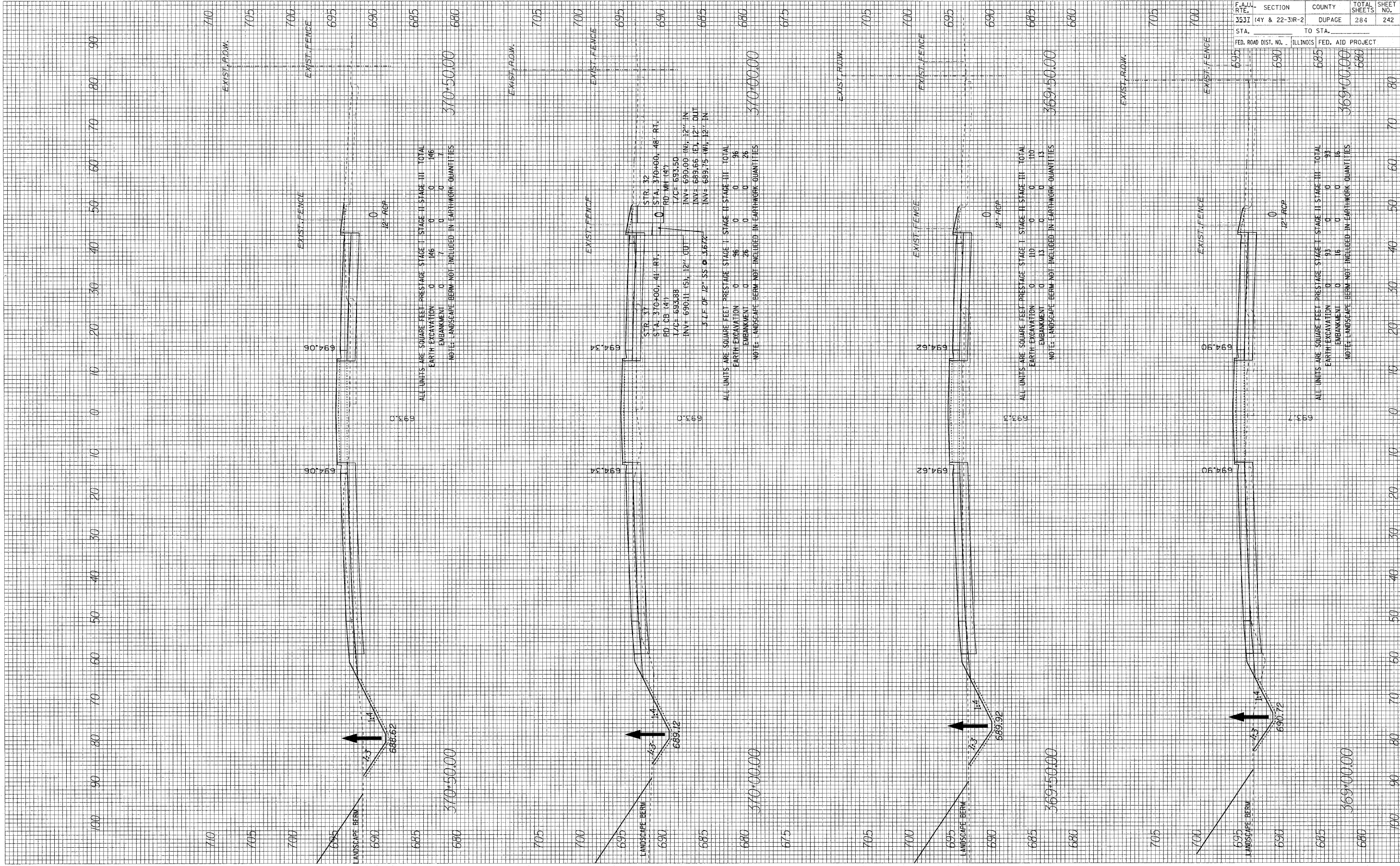
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	209	0	0	209
EMBANKMENT	0	0	0	0	0

368+50.00
 367+50.00
 367+00.00

ORIGINAL SURVEY BY DATE
 SURVEY NO. BY DATE
 NOTE BOOK NO. BY DATE
 AREAS CHECKED AREAS CHECKED

FINAL SURVEY BY DATE
 SURVEY NO. BY DATE
 NOTE BOOK NO. BY DATE
 AREAS CHECKED AREAS CHECKED



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 146 0 0 146
 EMBANKMENT 0 7 0 0 7
 NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 26 0 0 26
 EMBANKMENT 0 26 0 0 26
 NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

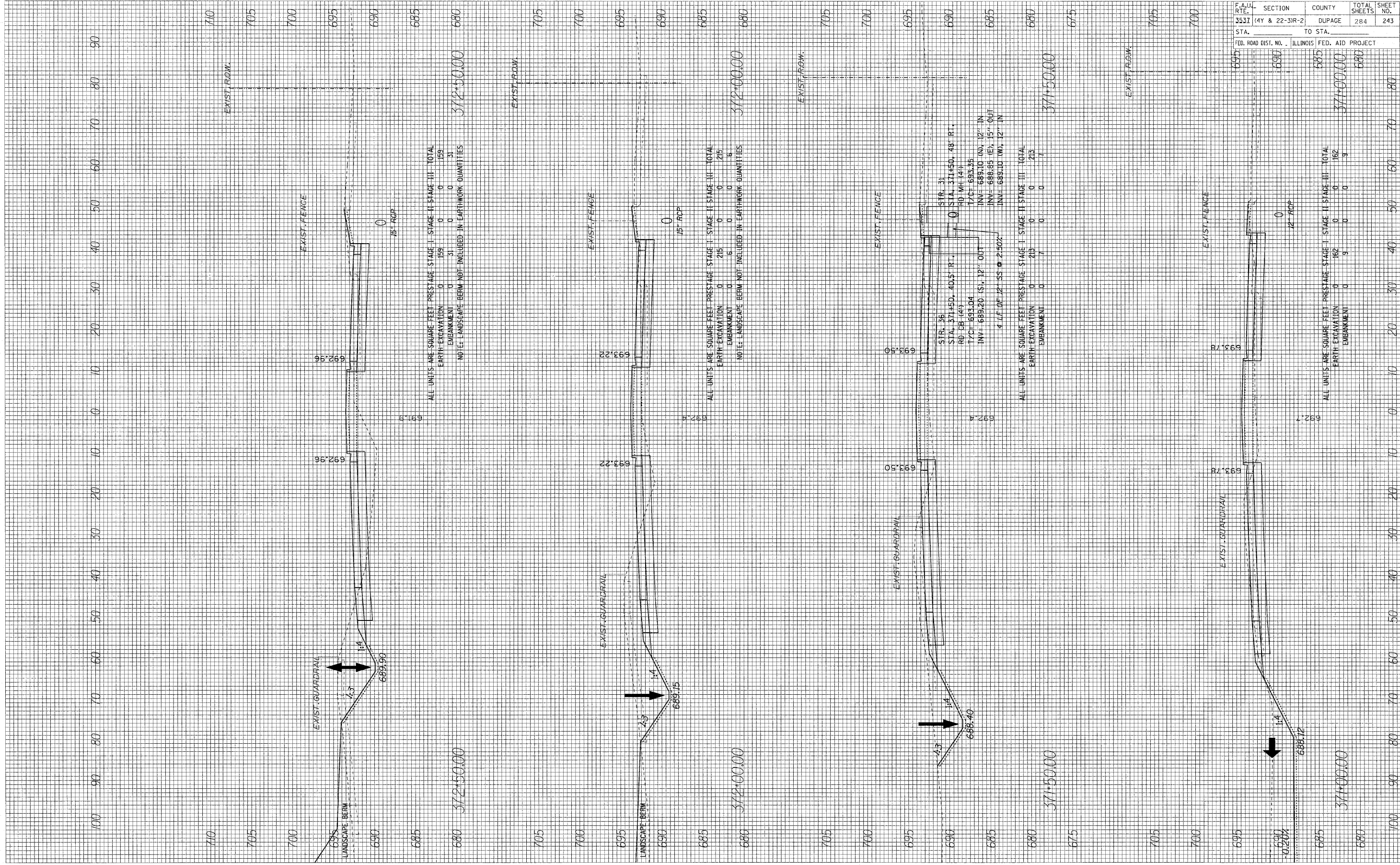
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 110 0 0 110
 EMBANKMENT 0 13 0 0 13
 NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 93 0 0 93
 EMBANKMENT 0 16 0 0 16
 NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

F.A.U. RTE. 3537	SECTION 14Y & 22-3R-2	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 242
STA. 370+00.00		TO STA. 369+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY NO.	DATE
BY	
BY	
BY	
BY	

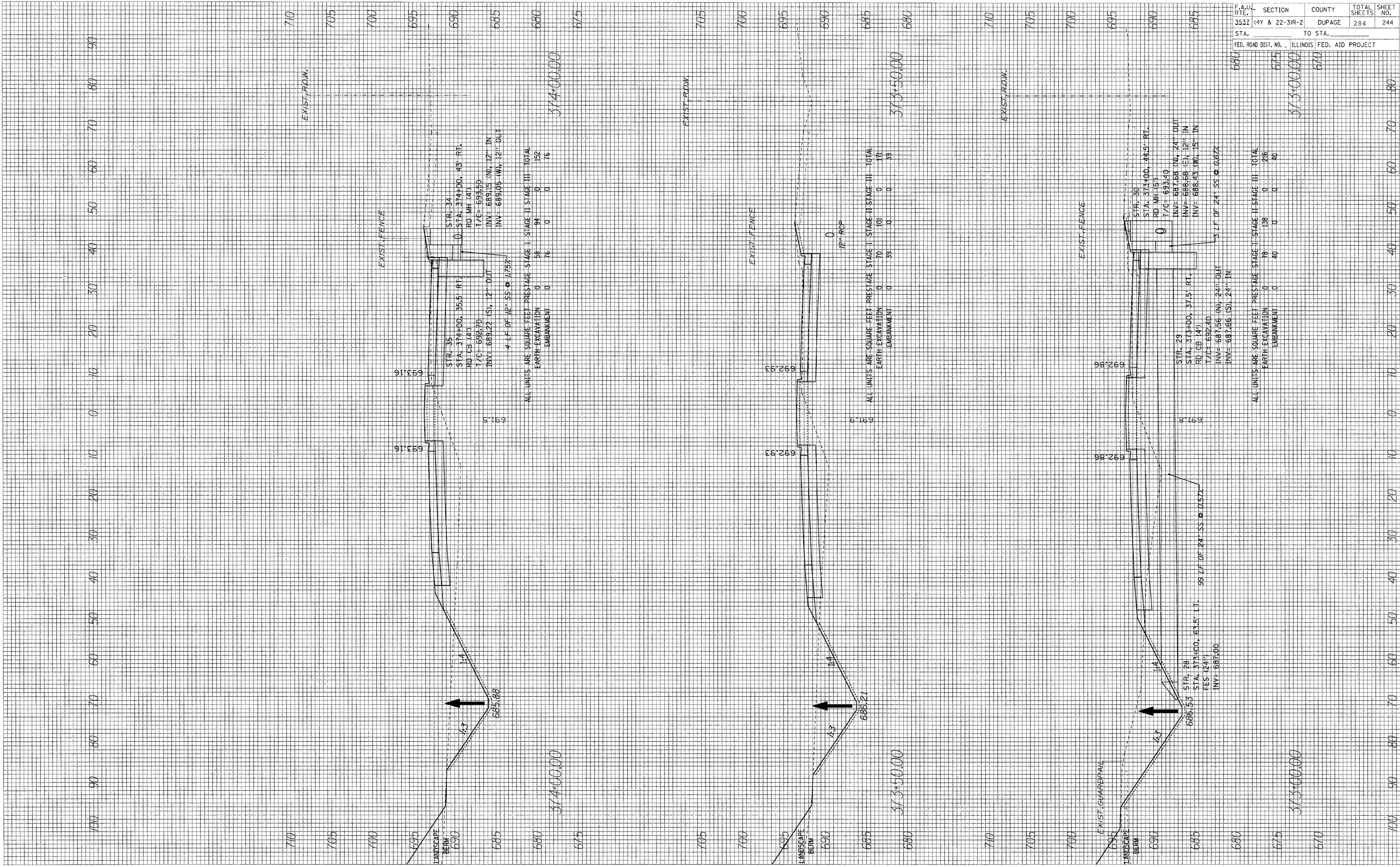
ORIGINAL SURVEY NO.	DATE
BY	
BY	
BY	
BY	



F.A.U. RTE. 3537	SECTION (4Y & 22-31R-2)	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 243
STA. 372+50.00	TO STA. 377+00.00			
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

FINAL SURVEY SUPPORTED PLOTTED DATE
 NOTE BOOK TEMPLATE BY
 NO. AREAS CHECKED

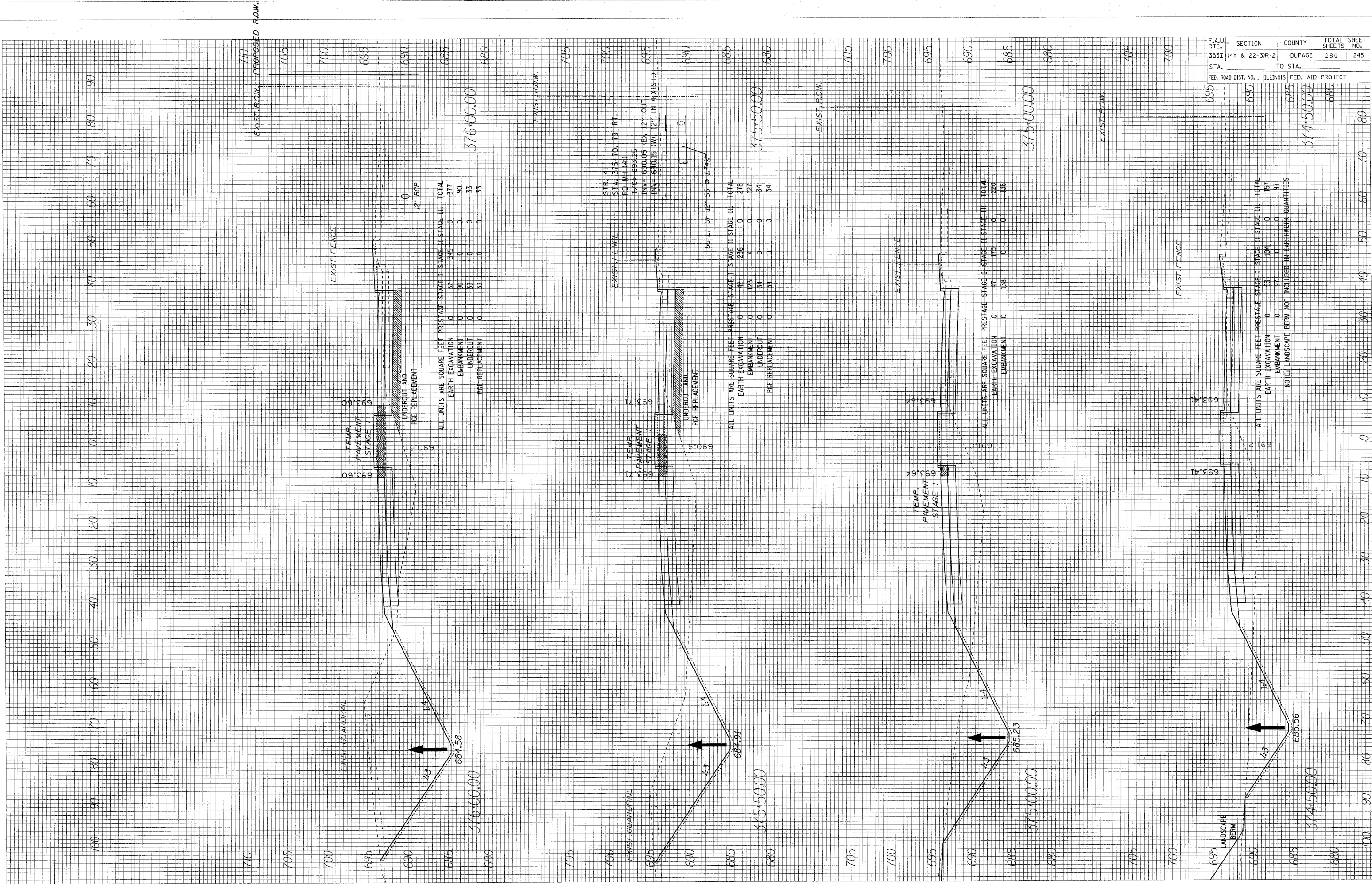
ORIGINAL SURVEY SUPPORTED PLOTTED DATE
 NOTE BOOK TEMPLATE BY
 NO. AREAS CHECKED



F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353I	(4Y & 22-3)R-2	DUPAGE	284	244
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEYED BY DATE
 SIGHTY PLOTTED BY DATE
 NOTE BOOK TEMPLATE NO.
 AREAS CHECKED

ORIGINAL SURVEY BY DATE
 SIGHTS PLOTTED BY DATE
 NOTE BOOK TEMPLATE NO.
 AREAS CHECKED



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	32	345	0	377
EMBANKMENT	0	90	0	0	90
UNDERCUT	0	33	0	0	33
POE REPLACEMENT	0	33	0	0	33
TOTAL	0	158	345	0	503

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	42	236	0	278
EMBANKMENT	0	123	4	0	127
UNDERCUT	0	34	0	0	34
POE REPLACEMENT	0	34	0	0	34
TOTAL	0	333	240	0	573

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	47	173	0	220
EMBANKMENT	0	138	0	0	138
TOTAL	0	185	173	0	358

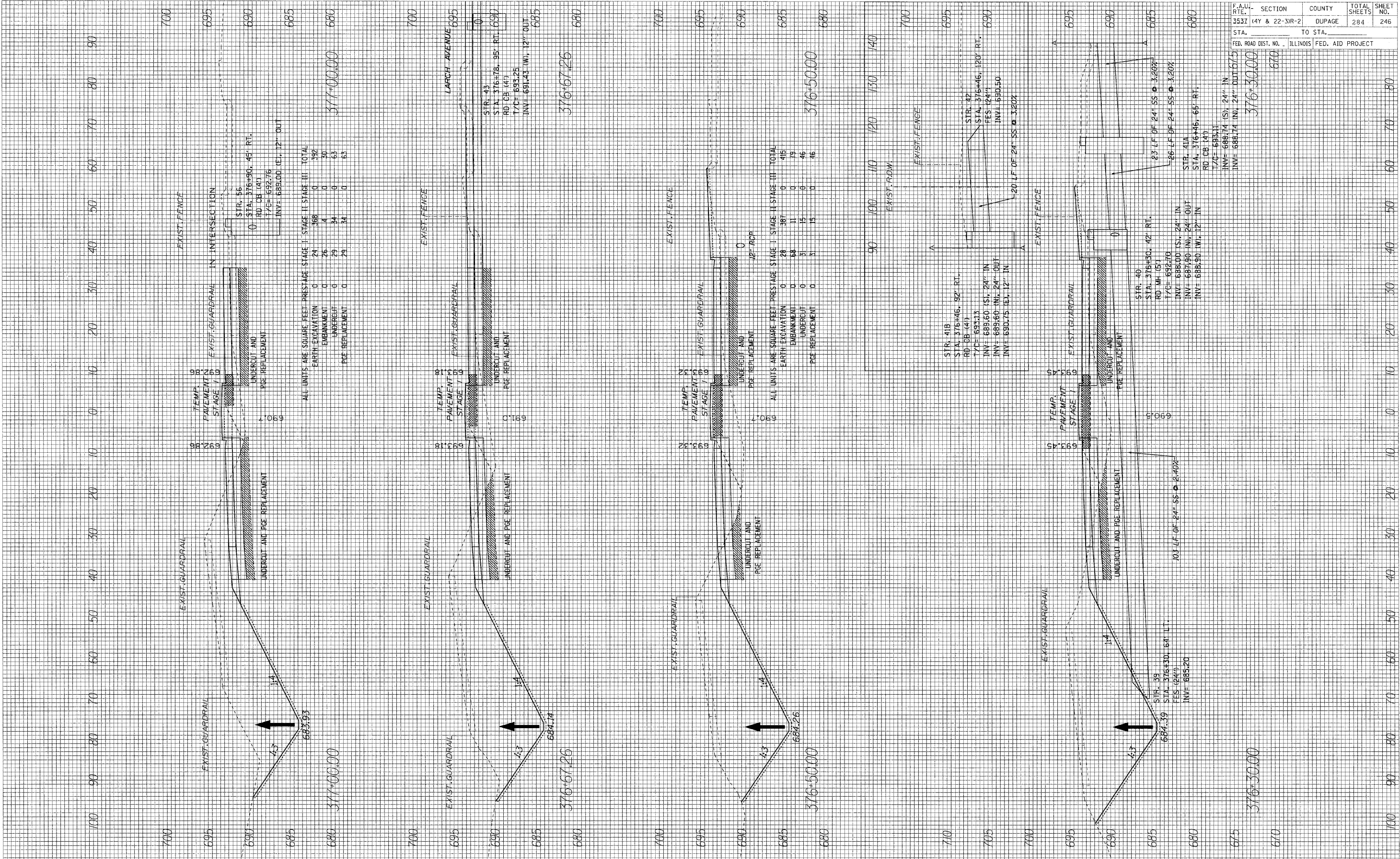
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	53	104	0	157
EMBANKMENT	0	97	0	0	97
TOTAL	0	150	104	0	254

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353Z (4Y & 22-3)R-2	DUPAGE	284	245
STA. 695	TO STA. 680		
FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		
		374+50.00	680

ORIGINAL SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED

FINAL SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

	STAGE I	STAGE II	STAGE III	TOTAL
EARTH EXCAVATION	0	24	368	392
EMBANKMENT	0	26	4	30
UNDERCUT	0	29	34	63
PGE REPLACEMENT	0	29	34	63

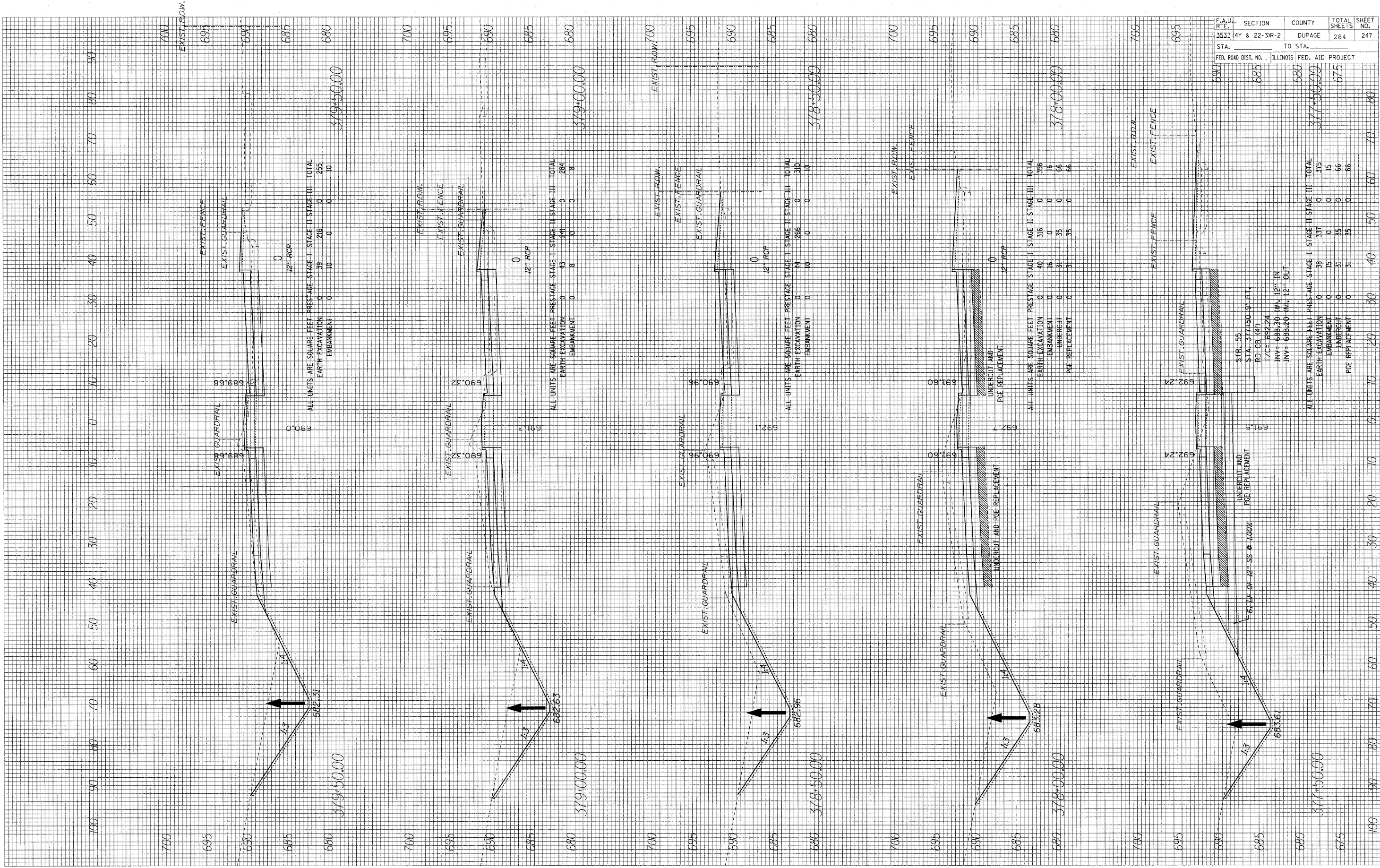
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

	STAGE I	STAGE II	STAGE III	TOTAL
EARTH EXCAVATION	0	28	387	415
EMBANKMENT	0	68	11	79
UNDERCUT	0	31	15	46
PGE REPLACEMENT	0	31	15	46

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3532 (4Y & 22-3R-2)	DUPAGE	284	246
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

FINAL SURVEY SURVEYED PLOTTED NOTE BOOK NO. BY DATE

ORIGINAL SURVEY SURVEYED PLOTTED NOTE BOOK NO. BY DATE



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	39	216	0	255
EMBANKMENT	0	10	0	0	10

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	43	241	0	284
EMBANKMENT	0	8	0	0	8

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	44	266	0	310
EMBANKMENT	0	10	0	0	10

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	40	316	0	356
EMBANKMENT	0	16	0	0	16
UNDERCUT	0	31	35	0	66
PCE REPLACEMENT	0	31	35	0	66

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	38	337	0	375
EMBANKMENT	0	15	0	0	15
UNDERCUT	0	31	35	0	66
PCE REPLACEMENT	0	31	35	0	66

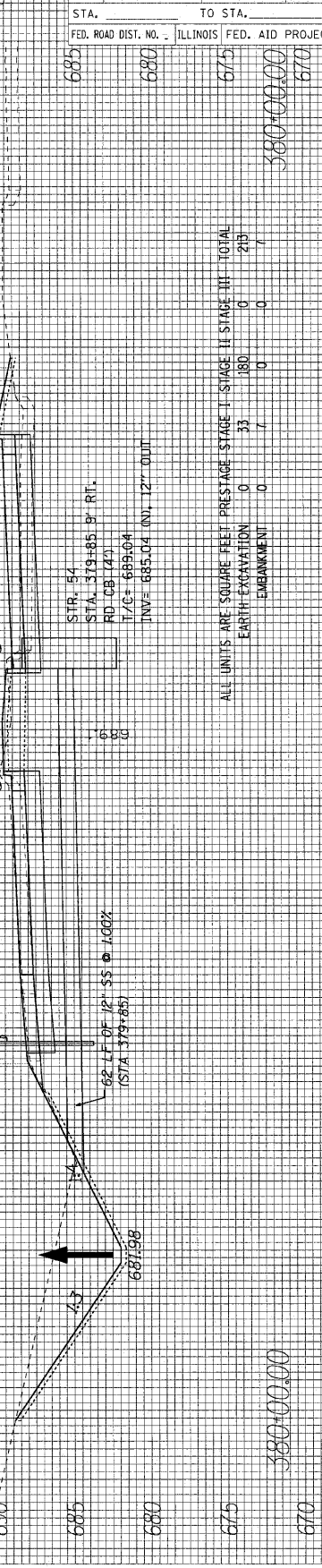
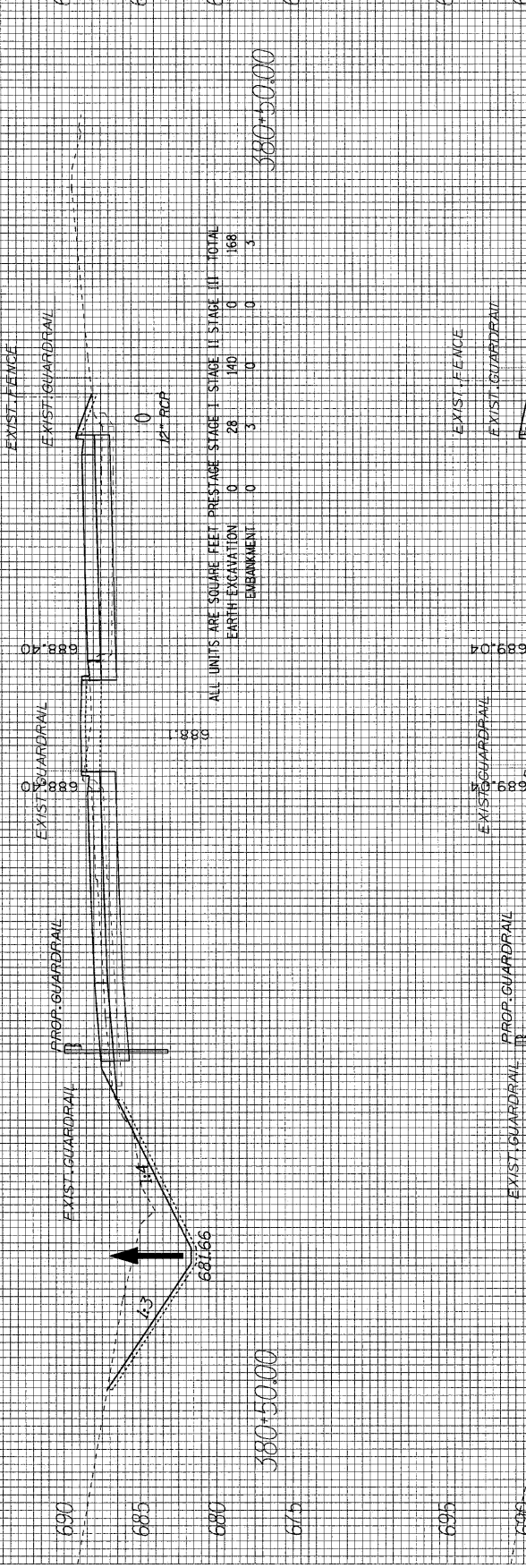
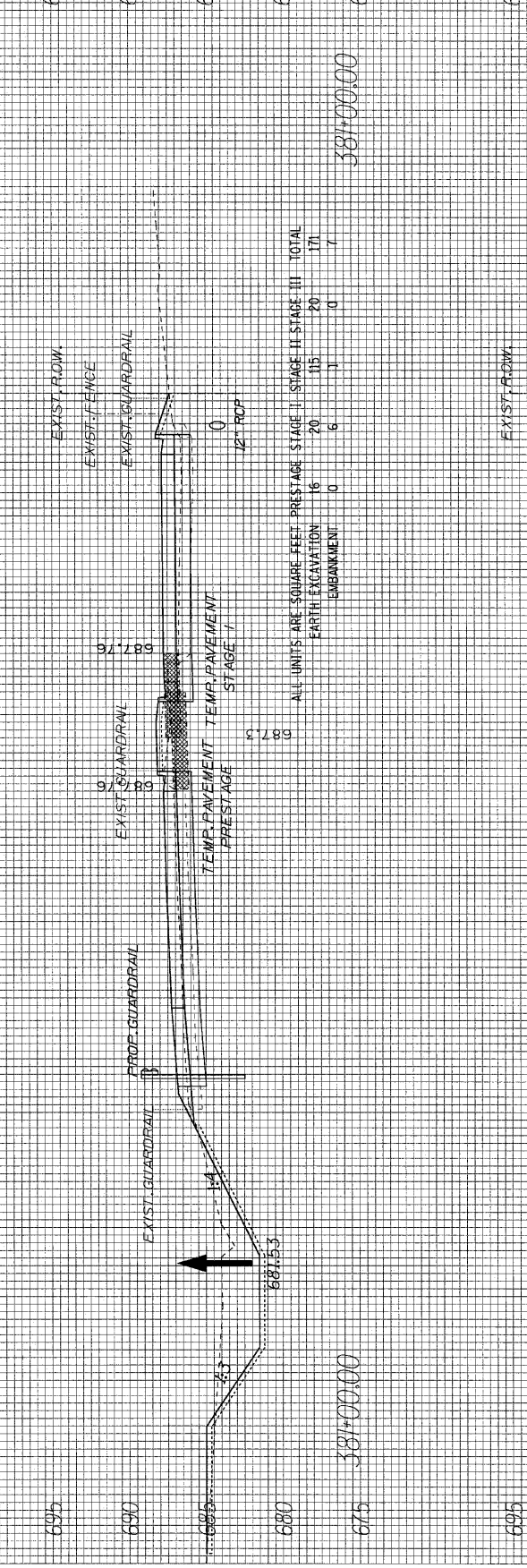
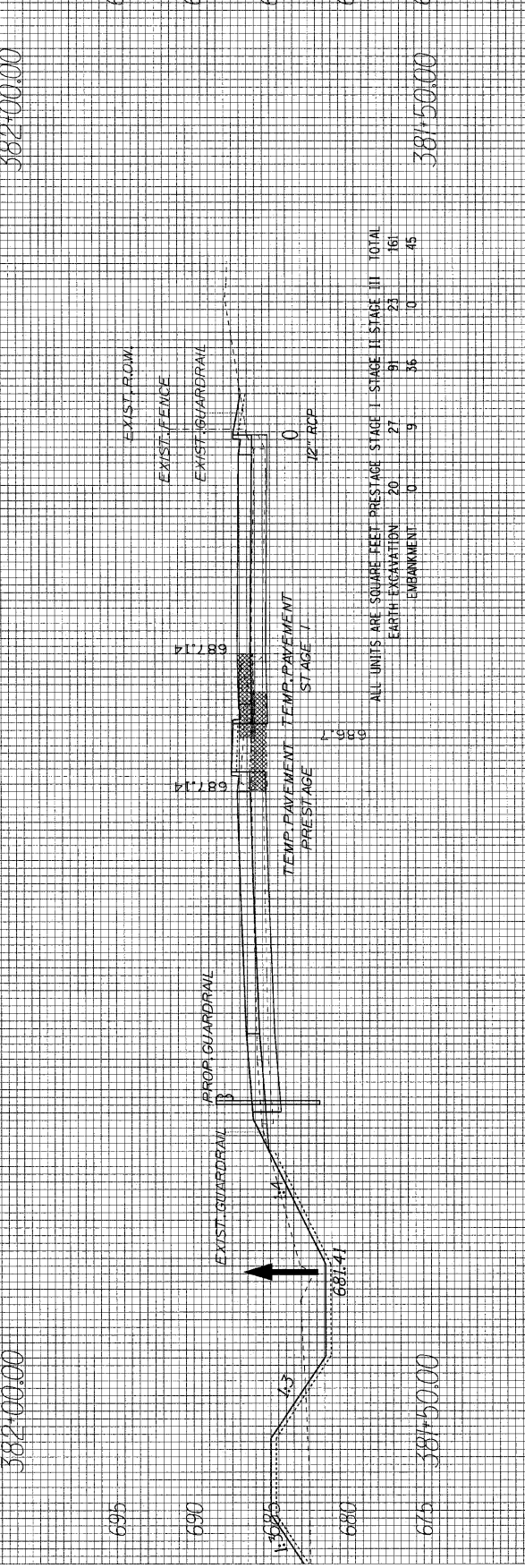
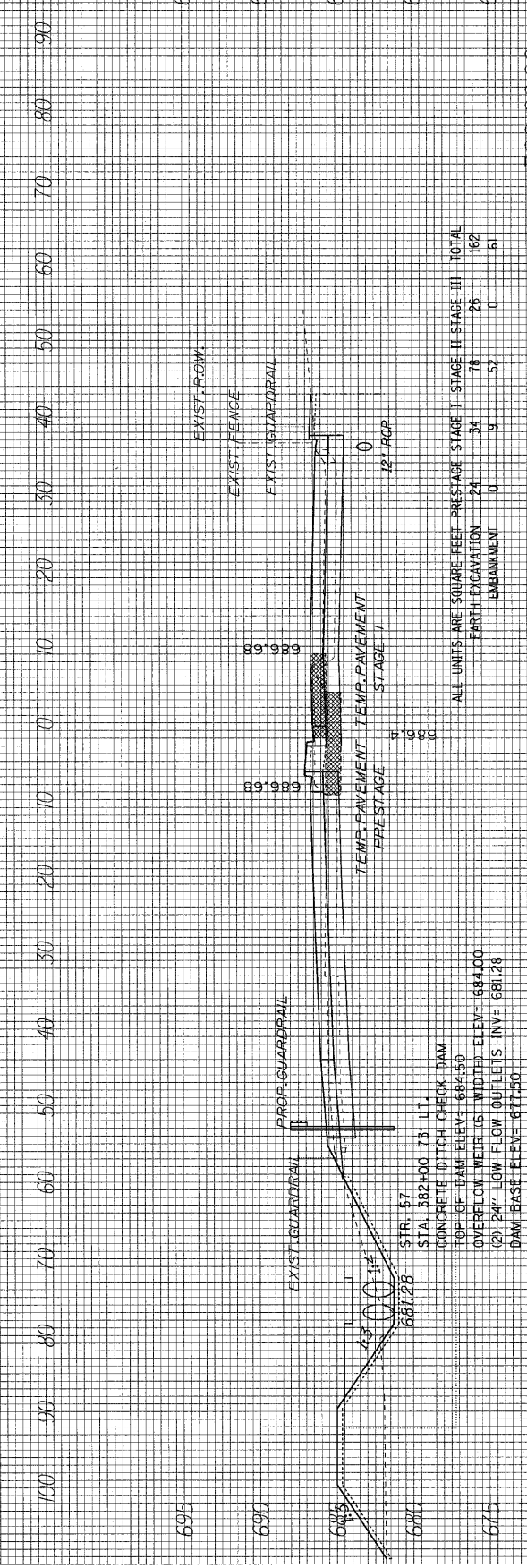
F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3532 4Y & 22-3R-2	DUPAGE	284	247
STA. 690	TO STA. 675		
FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

BY: _____ DATE: _____

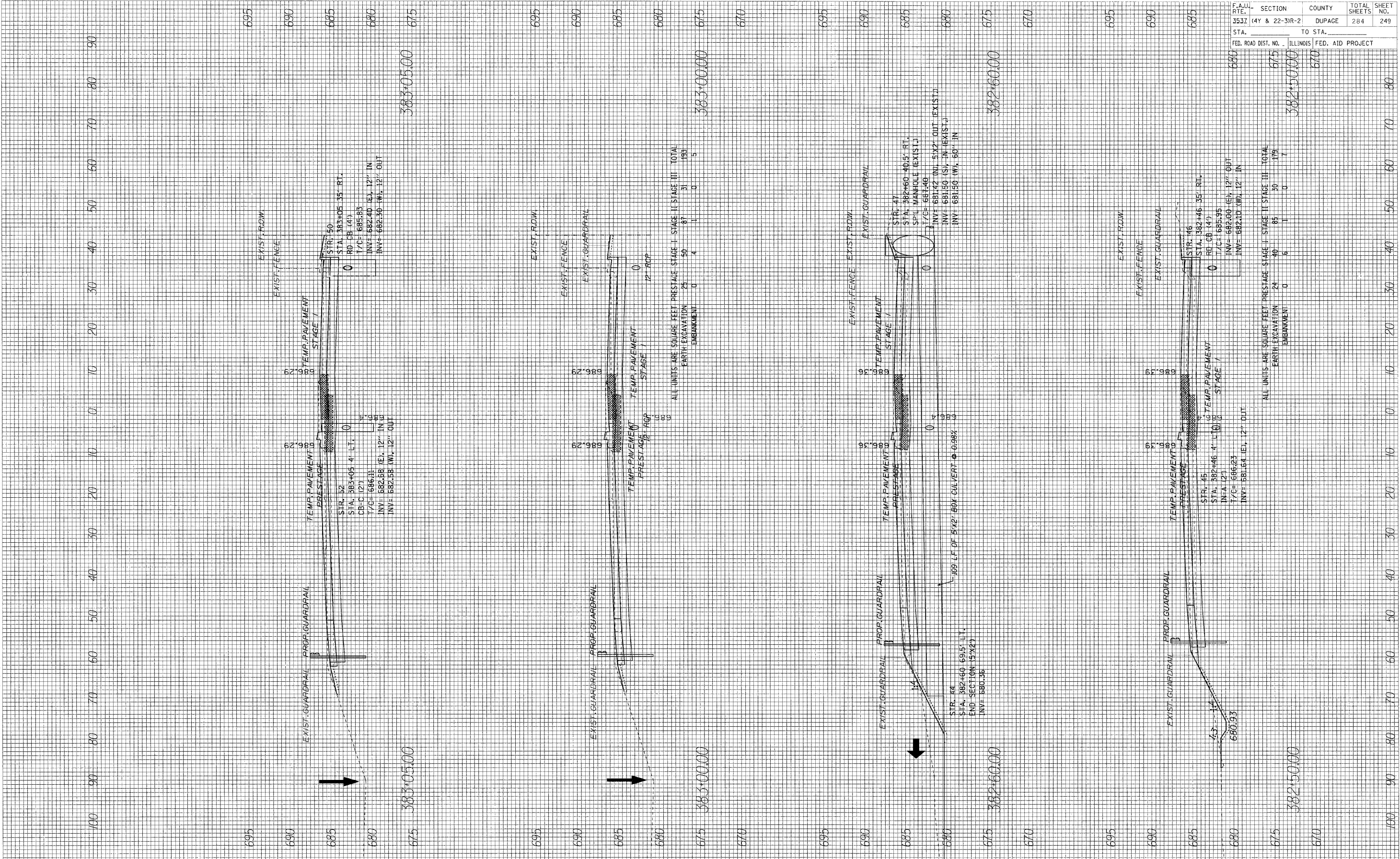
BY: _____ DATE: _____



F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3531 (4Y & 22-31R-2)	ILLINOIS	284	248
STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
6875	6880	675	670
		380+00.00	670

ORIGINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED

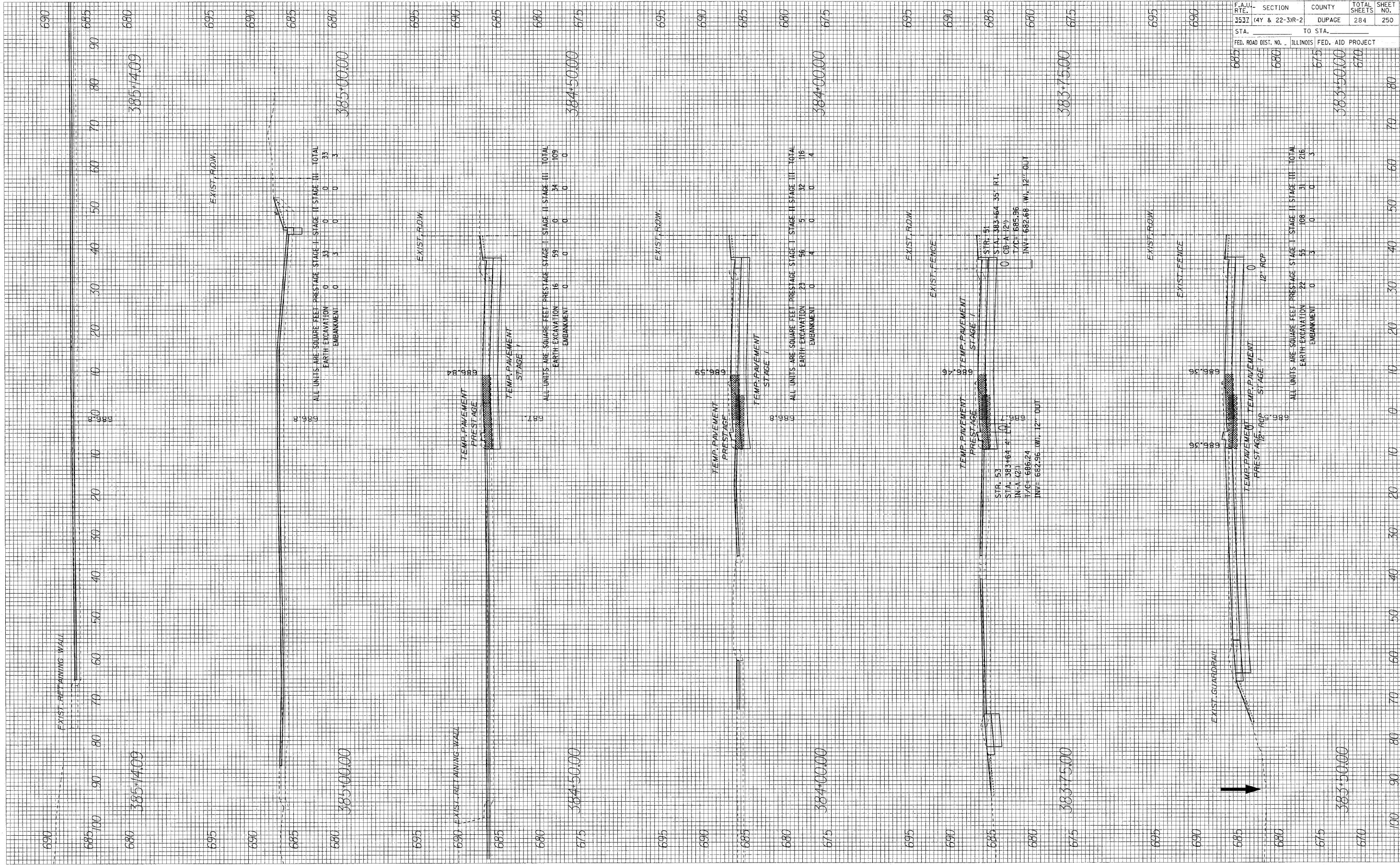
FINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED



F.A.U. SECTION	COUNTY	TOTAL SHEETS
353Z (4Y & 22-3R-2)	DUPAGE	284
STA. 675	TO STA. 670	249
FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	

FINAL SURVEYED/PLOTTED/NOTED/PLATE/NO. BY DATE

ORIGINAL SURVEYED/PLOTTED/NOTED/PLATE/NO. BY DATE



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	33	0	0	33
EMBANKMENT	0	3	0	0	3

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE II STAGE III TOTAL

EARTH EXCAVATION	16	59	0	34	109
EMBANKMENT	0	0	0	0	0

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE II STAGE III TOTAL

EARTH EXCAVATION	23	56	5	32	116
EMBANKMENT	0	4	0	0	4

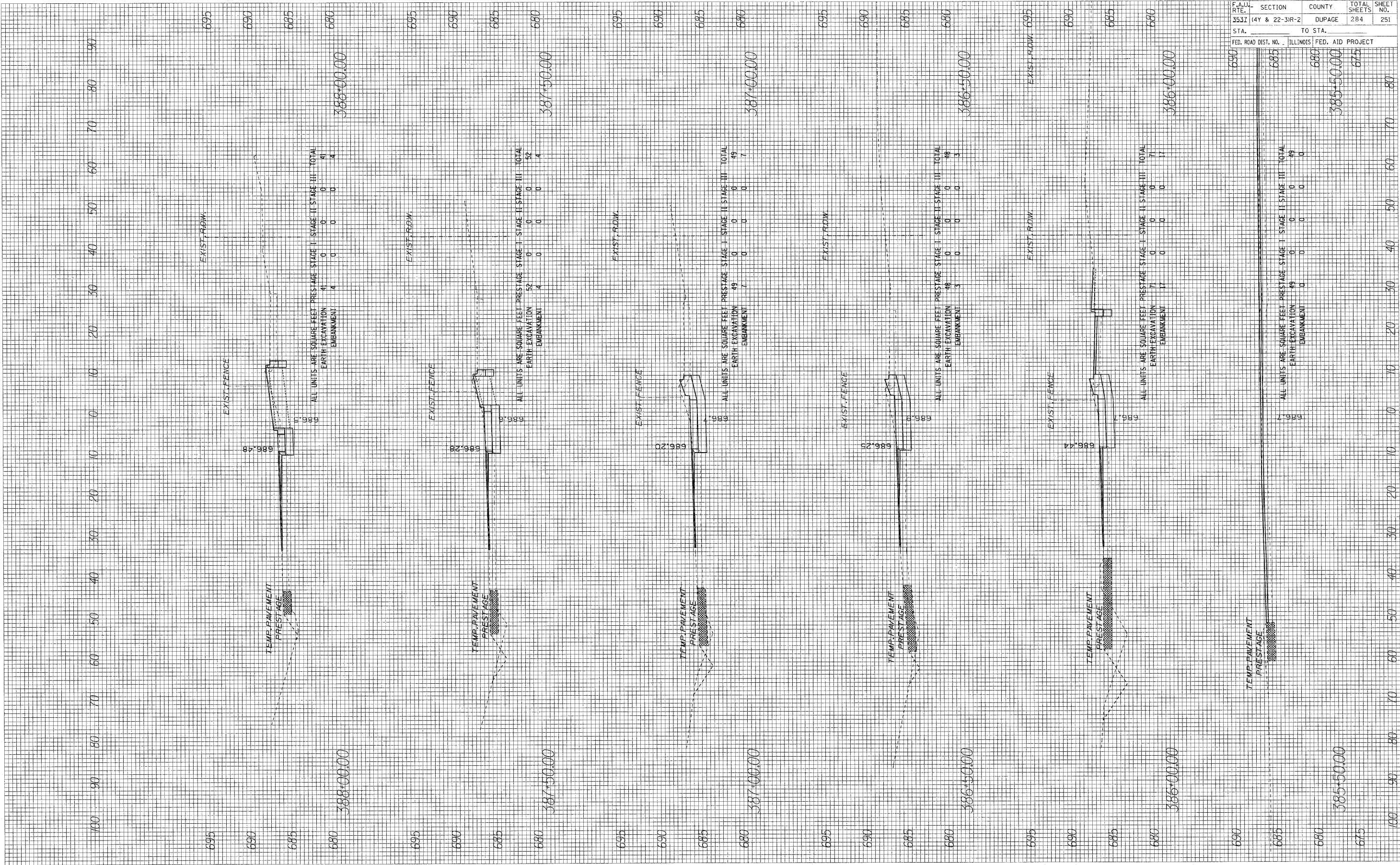
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE II STAGE III TOTAL

EARTH EXCAVATION	22	55	108	51	236
EMBANKMENT	0	3	0	0	3

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3532 (4Y & 22-31R-2)	DUPAGE	284	250
STA. 685+00.00	TO STA. 675+50.00	ILLINOIS FED. AID PROJECT	

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



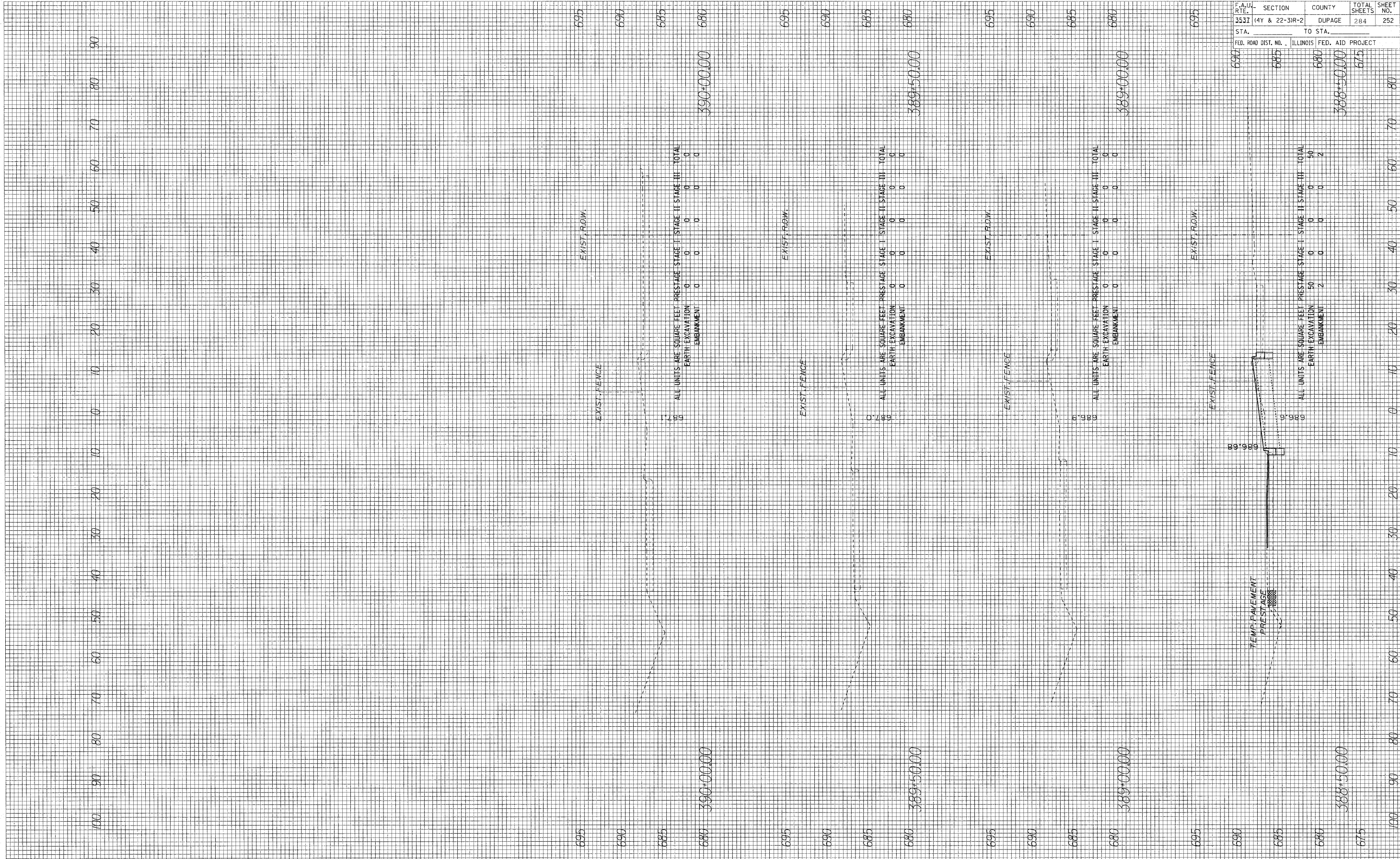
F.A.U. SECTION COUNTY TOTAL SHEET
 RTE. 3532 14Y & 22-31R-2 DUPAGE 284 251
 STA. TO STA. ILLINOIS FED. AID PROJECT
 690 685 680 675

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

BY: _____ DATE: _____

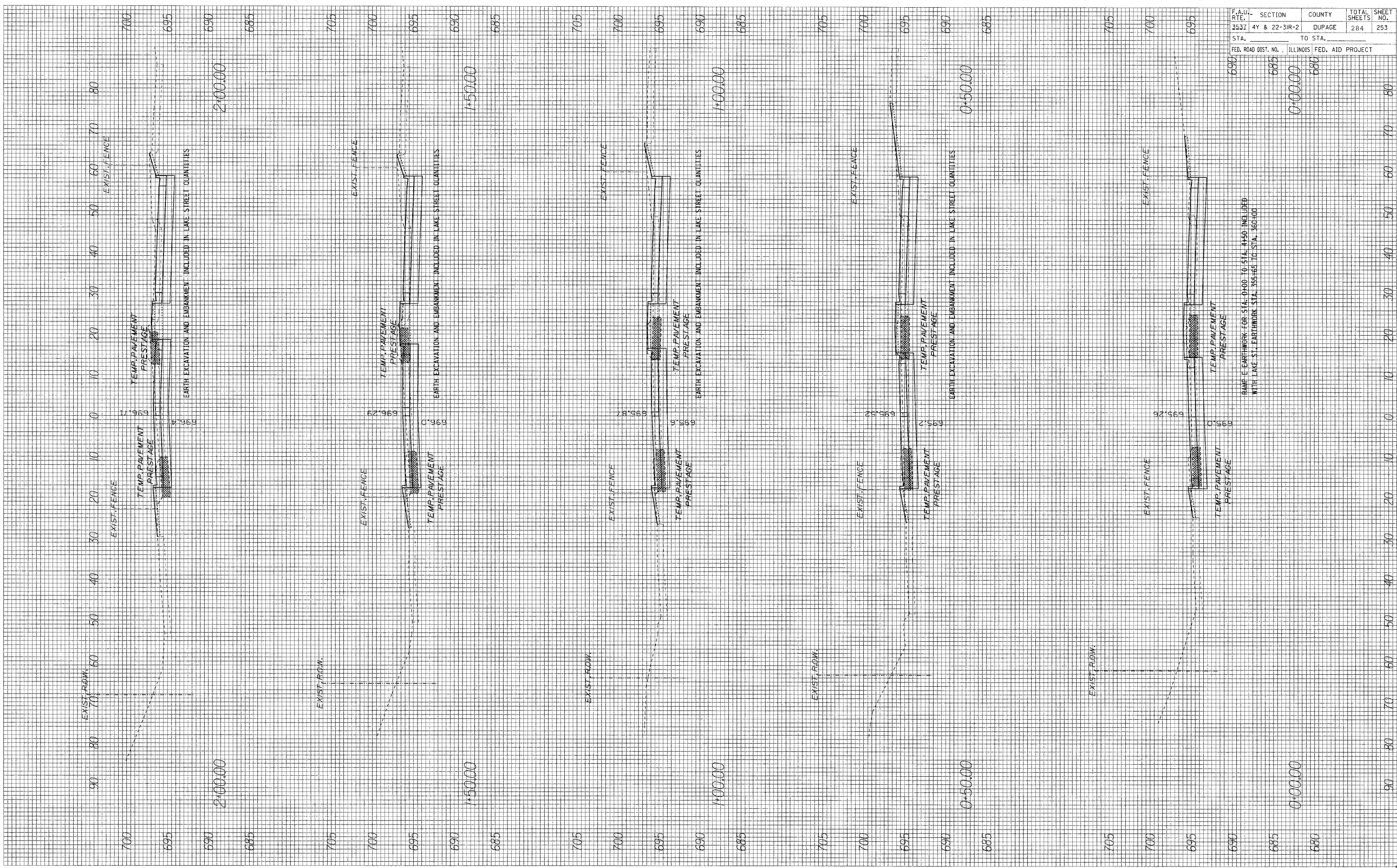
BY: _____ DATE: _____



F.A.U. RTE. 3537	SECTION (4Y & 22-3)R-2	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 252
STA. 680	TO STA. 675			
FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT			

FINAL SURVEY SURVEYED BY DATE
 PLOTTED TEMPLATE NO. AREAS CHECKED

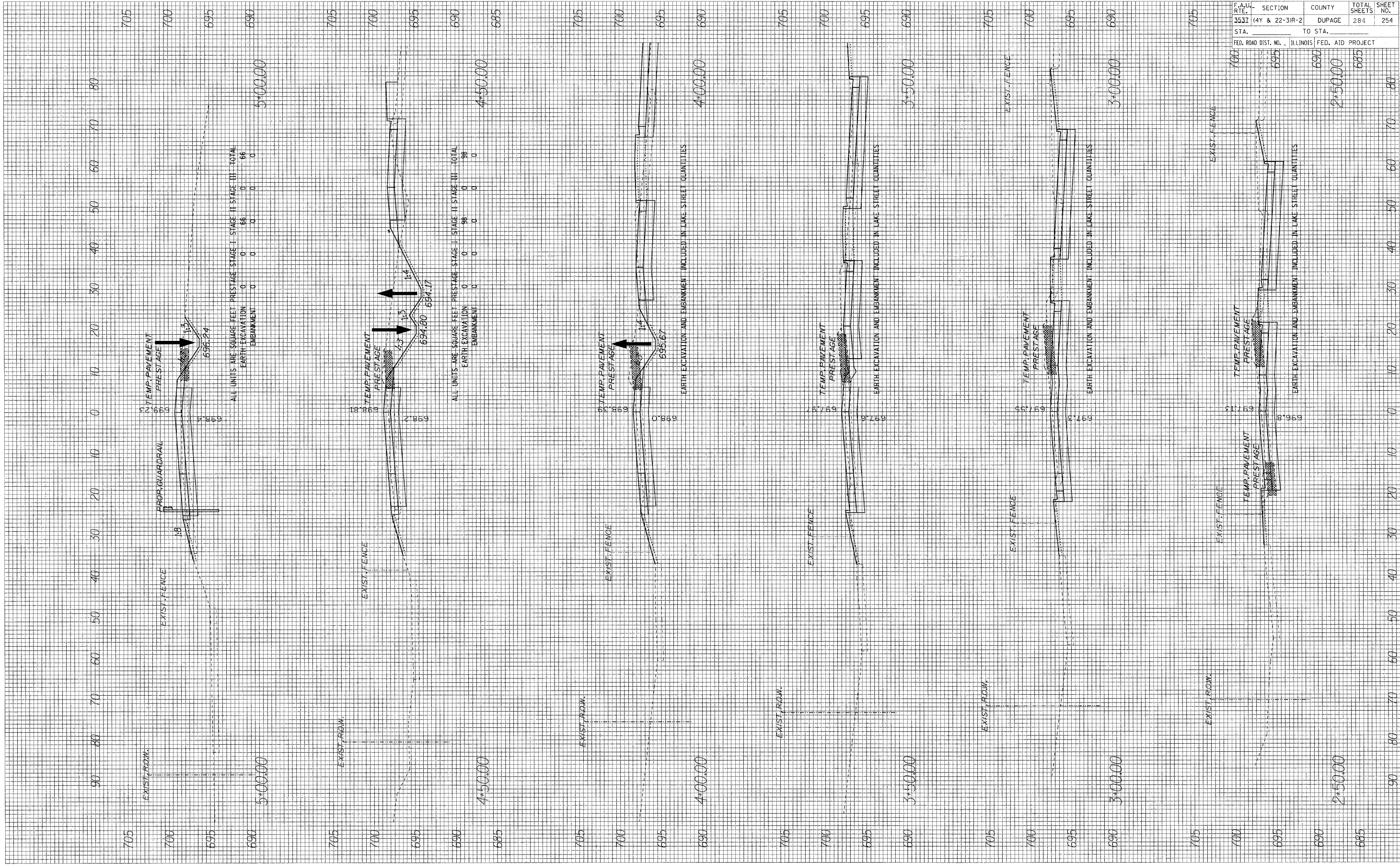
ORIGINAL SURVEY SURVEYED BY DATE
 PLOTTED TEMPLATE NO. AREAS CHECKED



F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3531 4Y & 22-3JR-2	DUPAGE	284	253
STA. TO STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

FINAL SURVEY PLOTTED BY DATE
 NOTE BOOK NO. AREAS CHECKED

ORIGINAL SURVEY PLOTTED BY DATE
 NOTE BOOK NO. AREAS CHECKED



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 0 66 0 66
 EMBANKMENT 0 0 0 0 0
 TOTAL 0 0 66 0 66

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 0 98 0 98
 EMBANKMENT 0 0 0 0 0
 TOTAL 0 0 98 0 98

EARTH EXCAVATION AND EMBANKMENT INCLUDED IN LAKE STREET QUANTITIES
 4*00.00

EARTH EXCAVATION AND EMBANKMENT INCLUDED IN LAKE STREET QUANTITIES
 3*50.00

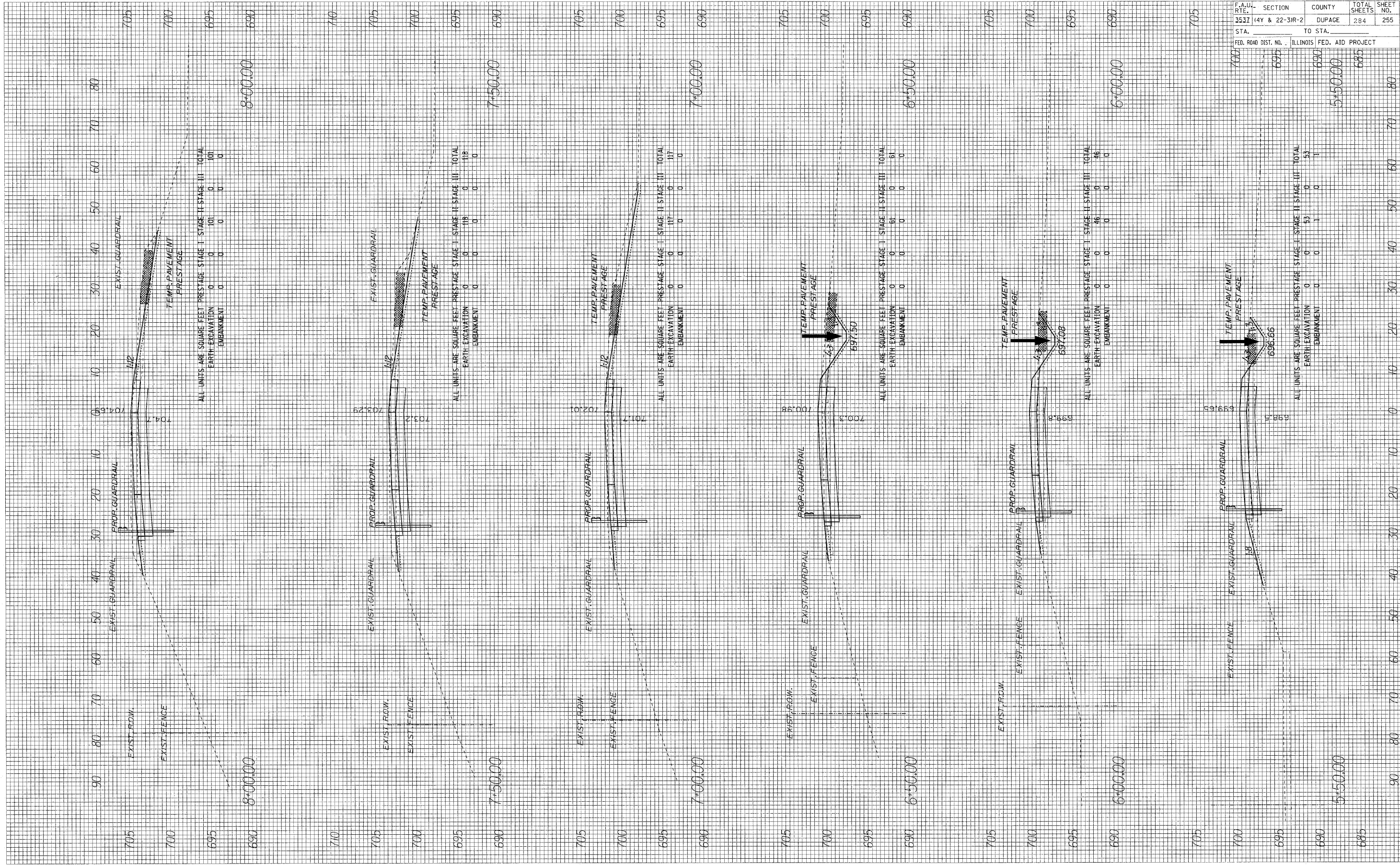
EARTH EXCAVATION AND EMBANKMENT INCLUDED IN LAKE STREET QUANTITIES
 3*00.00

EARTH EXCAVATION AND EMBANKMENT INCLUDED IN LAKE STREET QUANTITIES
 2*50.00

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3532 (4Y & 22-31R-2)	DUPAGE	284	254
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

FINAL SURVEY NOTE BOOK NO. BY DATE

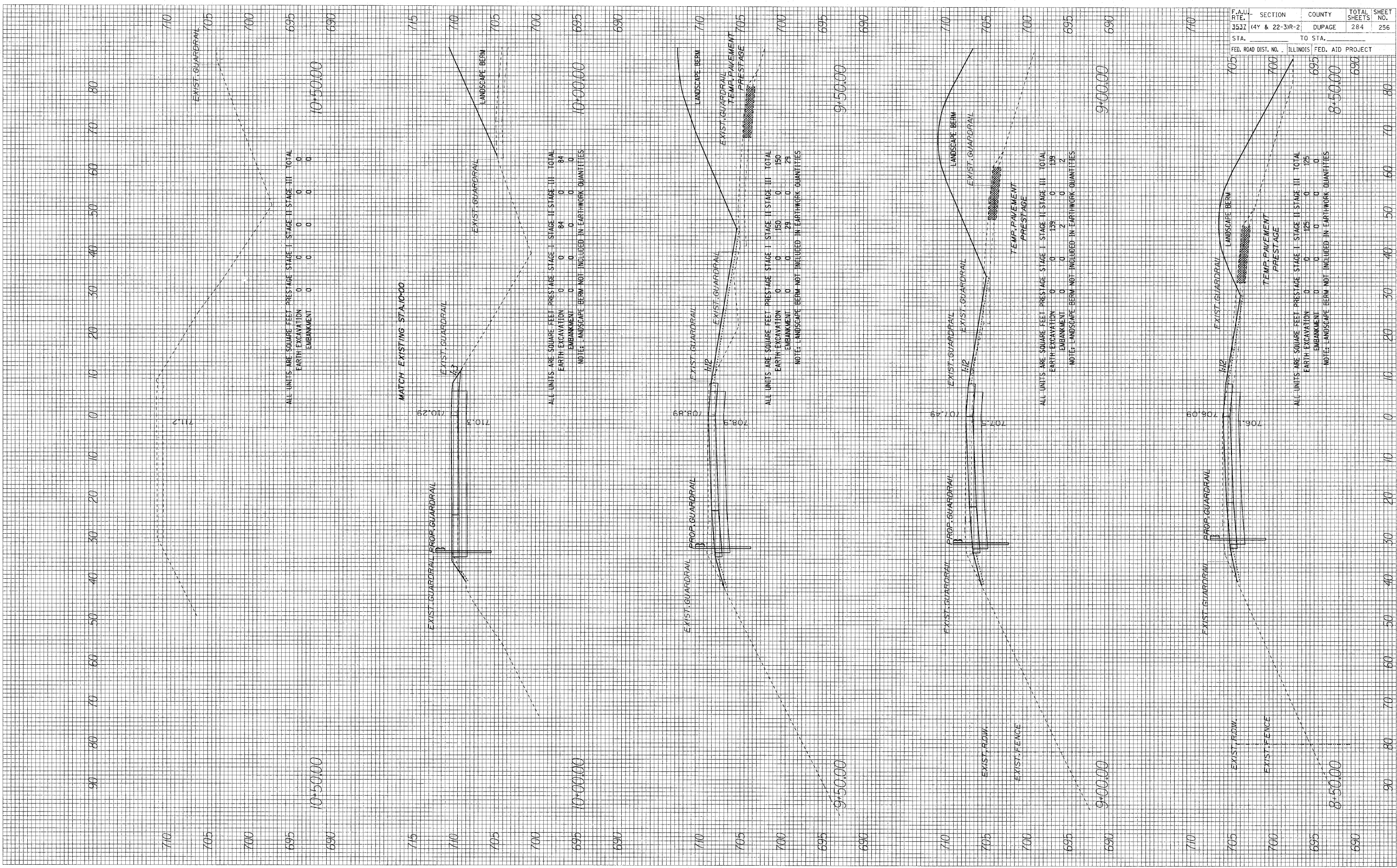
ORIGINAL SURVEY NOTE BOOK NO. BY DATE



F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537 (4Y & 22-31R-2)	DUPAGE	284	255
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

FINAL SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED

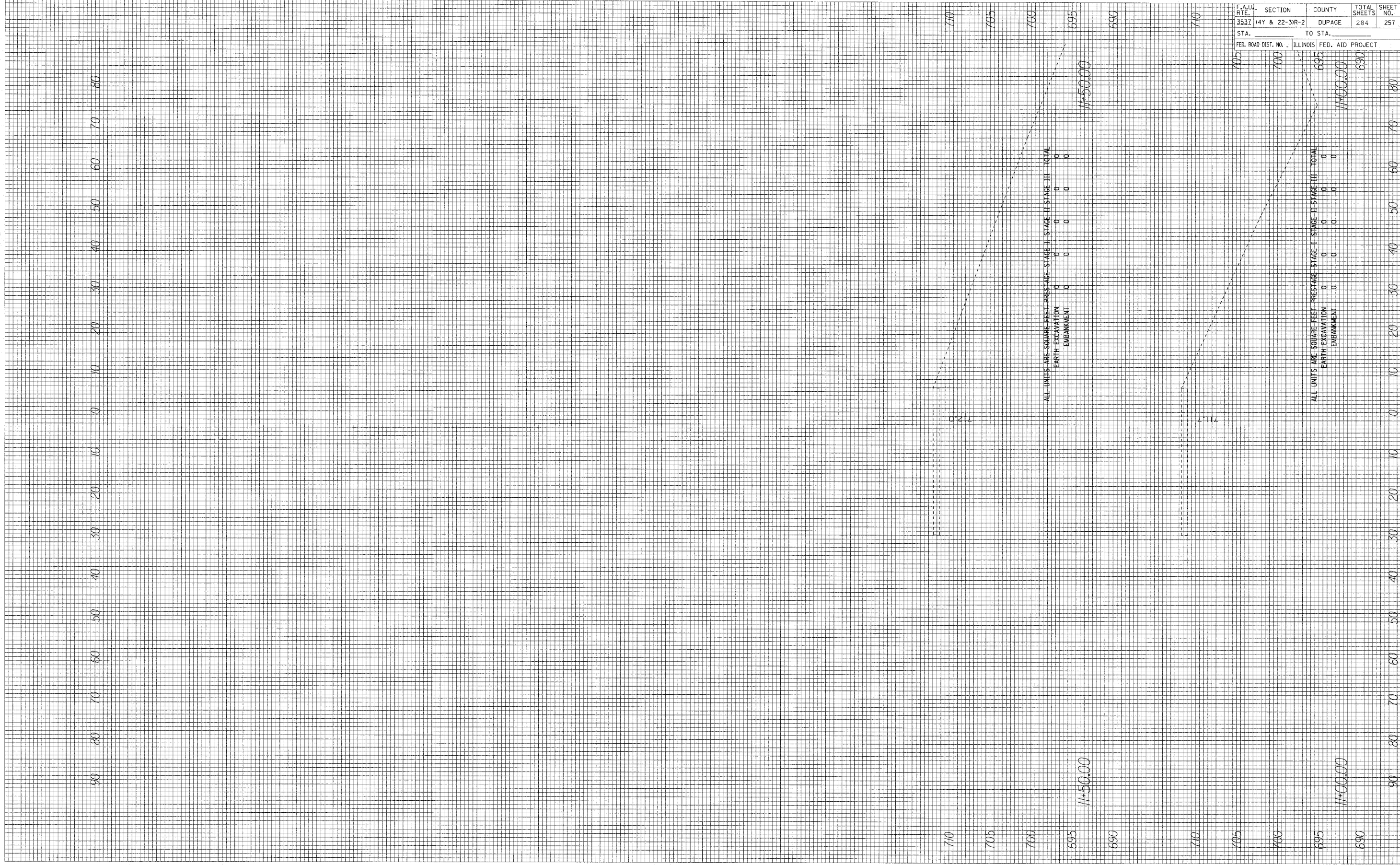
ORIGINAL SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED



F.A.U. R.I.E. STA.	SECTION (4Y & 22-31R-2)	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 256
TO STA.		FED. AID PROJECT		

FINAL SURVEY NO. _____
 SERVICED PLOTTED TEMPLATE AREAS CHECKED
 BY _____ DATE _____

ORIGINAL SURVEY NO. _____
 SERVICED PLOTTED TEMPLATE AREAS CHECKED
 BY _____ DATE _____



ALL UNITS ARE SQUARE FEET
 PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 0 0 0 0
 EMBANKMENT 0 0 0 0 0

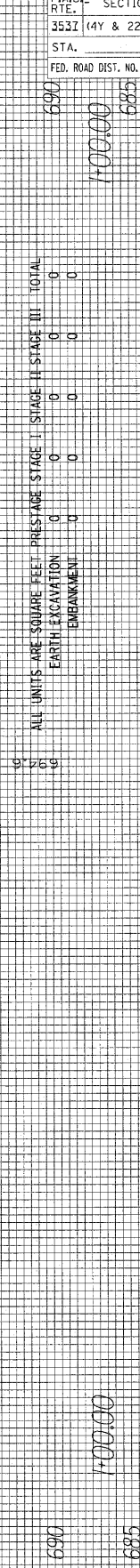
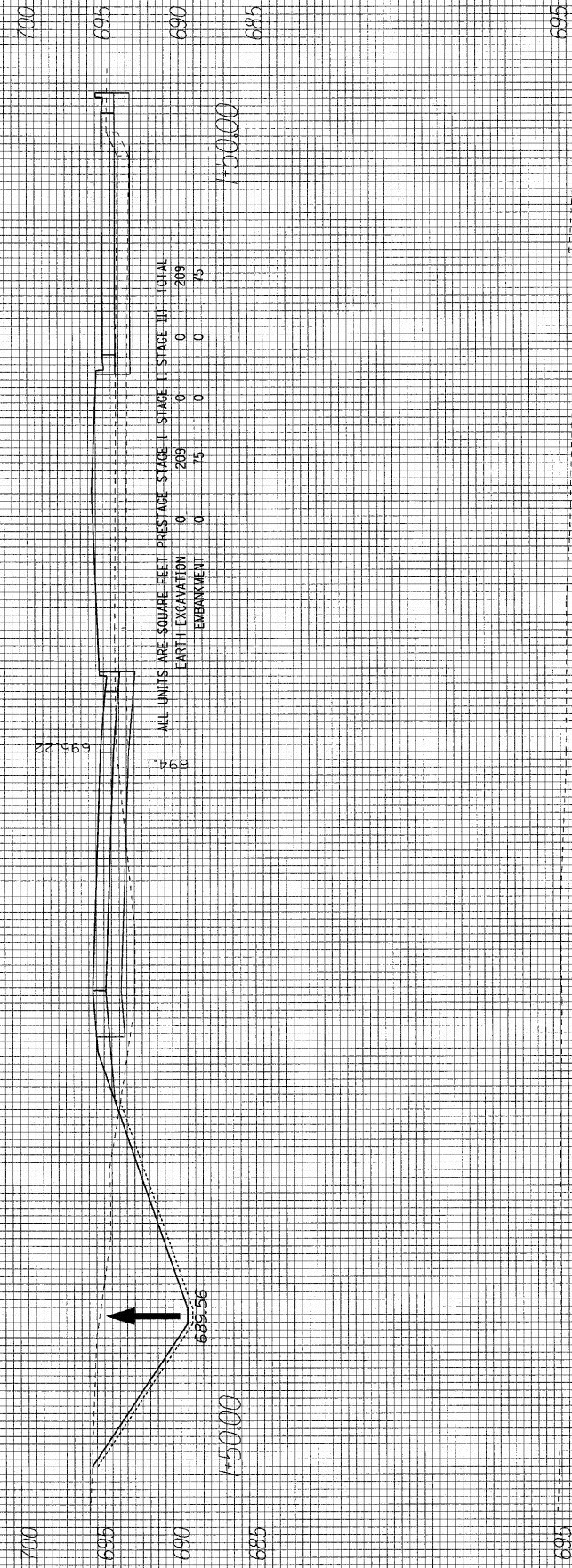
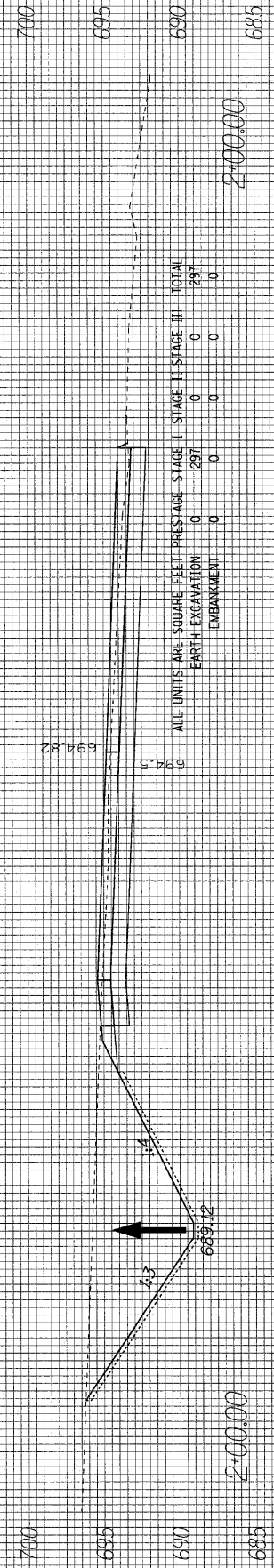
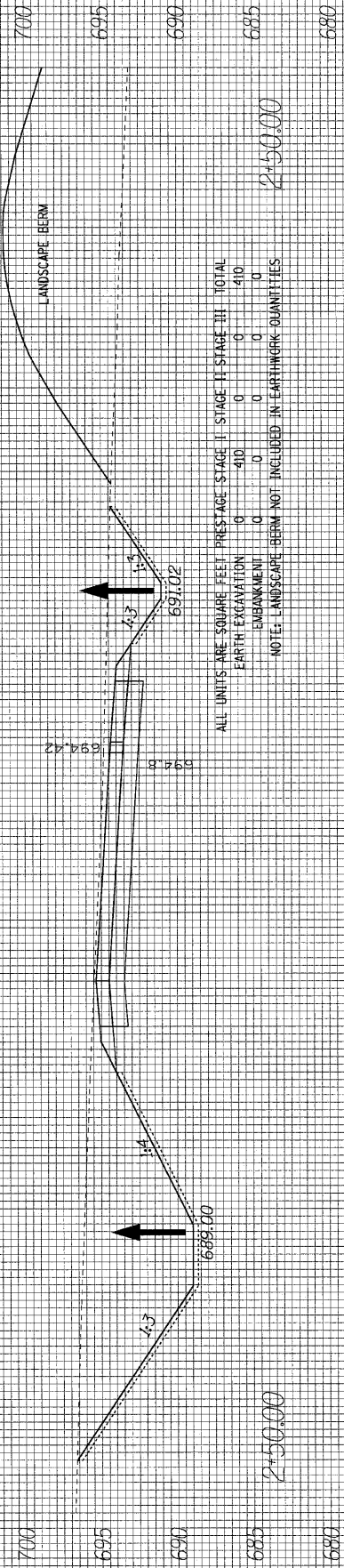
ALL UNITS ARE SQUARE FEET
 PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 0 0 0 0
 EMBANKMENT 0 0 0 0 0

F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3531	4Y & 22-31R-2	DUPAGE	284	257
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK NO. _____
 BY _____
 DATE _____

ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK NO. _____
 BY _____
 DATE _____

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

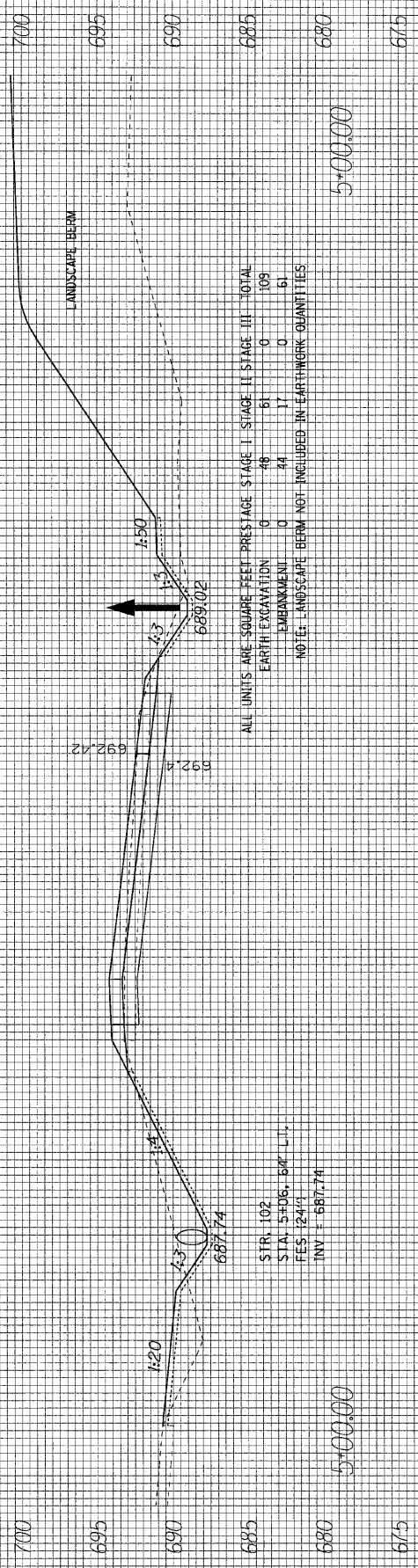


F.A.U. FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3531	(4Y & 22-3)R-2	DUPAGE	284	258
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

ORIGINAL SURVEY PLOTTED TEMPLATE NO. BY DATE

FINAL SURVEY PLOTTED TEMPLATE NO. BY DATE

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80



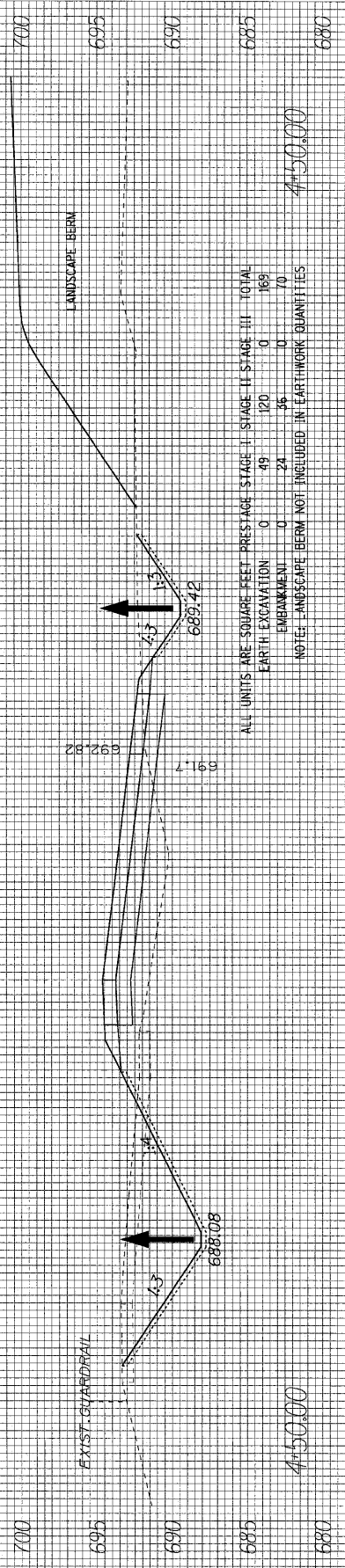
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	48	61	109
EMBANKMENT	0	44	1	45
TOTAL	0	92	62	154

NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

STR. 102
STA. 3+06.80' L.T.
FES 124%
INV = 687.74

5+00.00

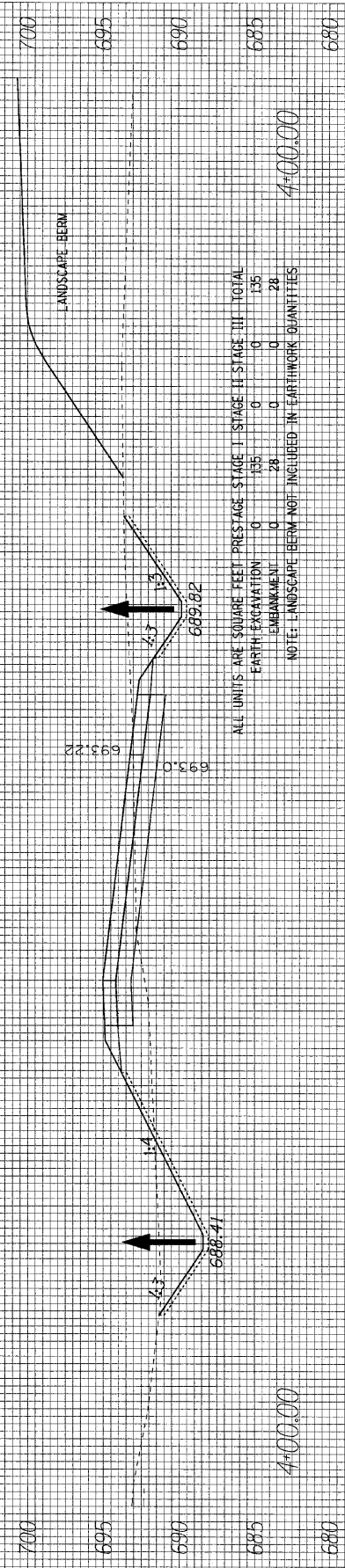


ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	49	120	169
EMBANKMENT	0	24	96	120
TOTAL	0	73	216	289

NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

4+50.00

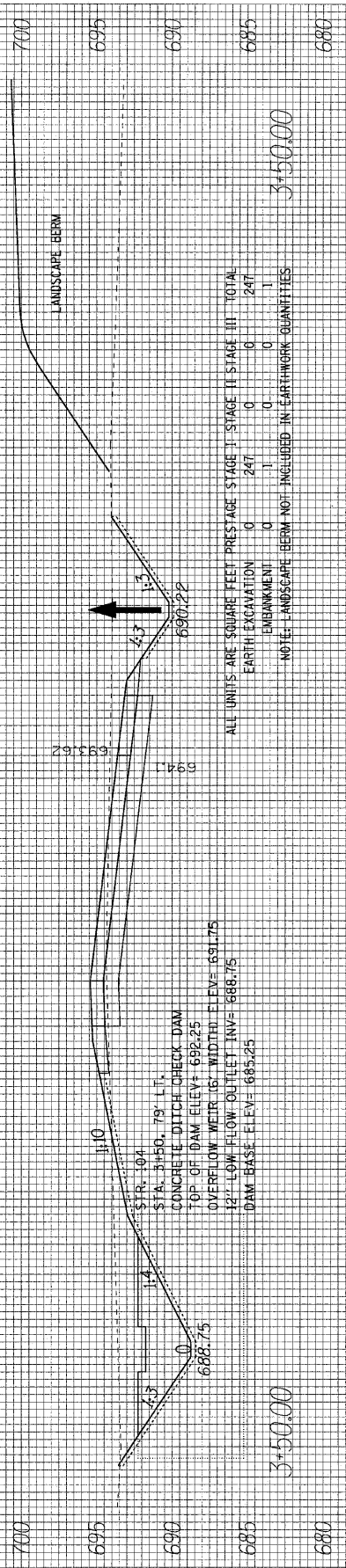


ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	135	0	135
EMBANKMENT	0	28	0	28
TOTAL	0	163	0	163

NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

4+00.00

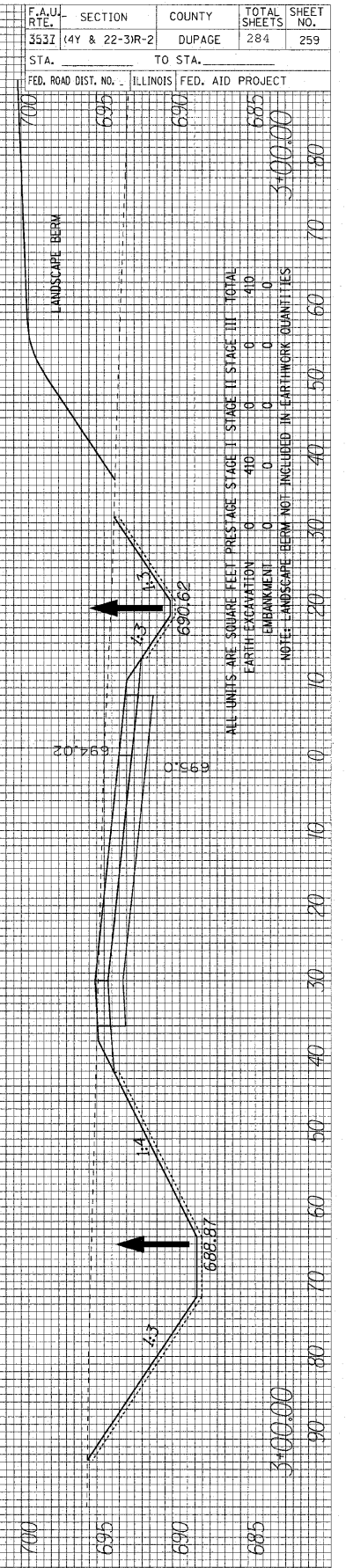


ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	247	0	247
EMBANKMENT	0	1	0	1
TOTAL	0	248	0	248

NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

3+50.00



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	40	0	40
EMBANKMENT	0	0	0	0
TOTAL	0	40	0	40

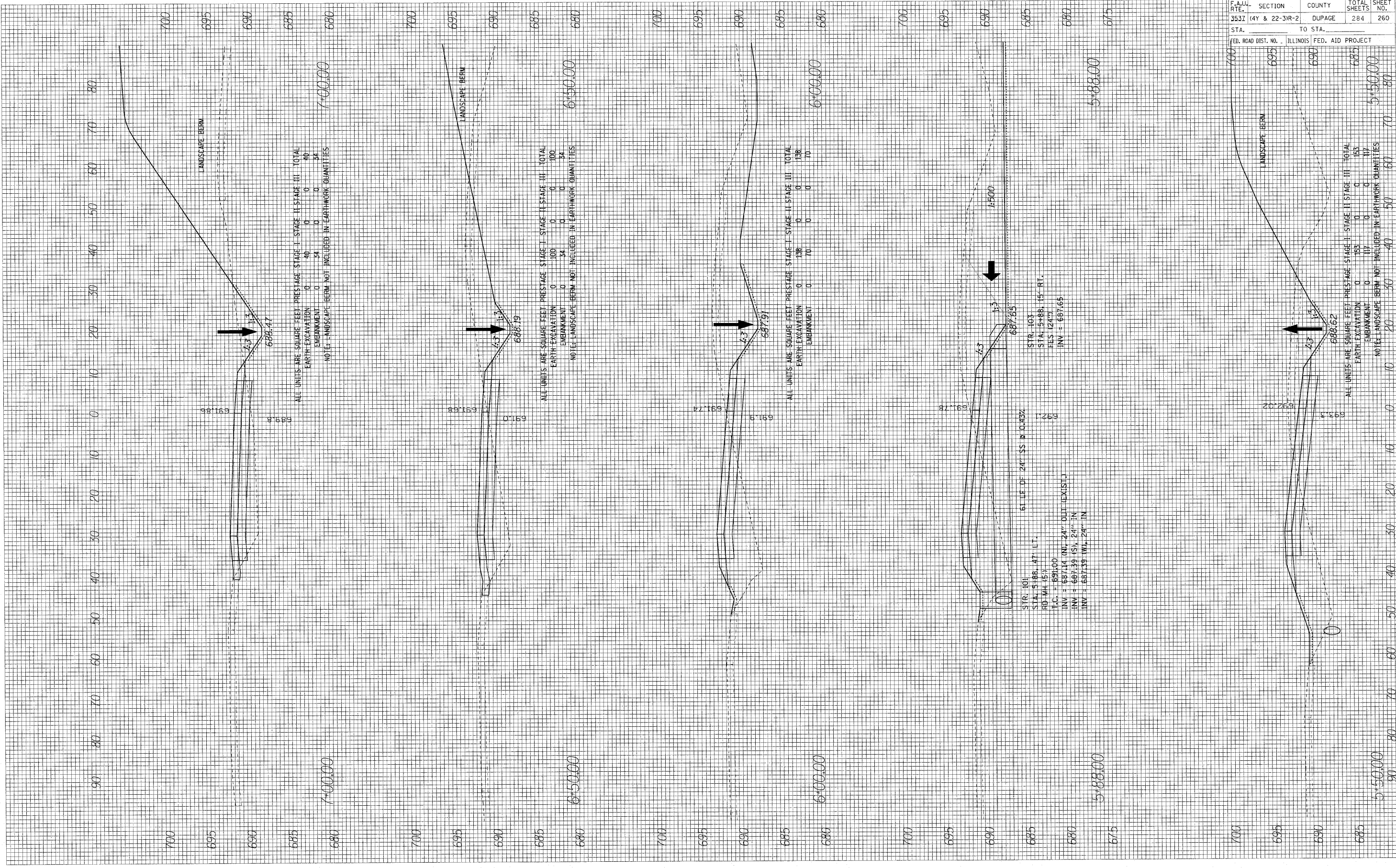
NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

3+00.00

F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3531	(4Y & 22-31R-2)	DUPAGE	284	259
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ORIGINAL SURVEY PLOTTED BY DATE
 NOTE BOOK TEMPLATE AREAS CHECKED

FINAL SURVEY PLOTTED BY DATE
 NOTE BOOK TEMPLATE AREAS CHECKED



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 40 0 0 40
 EMBANKMENT 0 34 0 0 34
 NOTE - LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES
 7*00.00

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 100 0 0 100
 EMBANKMENT 0 34 0 0 34
 NOTE - LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES
 6*50.00

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 138 0 0 138
 EMBANKMENT 0 70 0 0 70
 NOTE - LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES
 6*00.00

STR. 101
 STA. 5+88.47 LT.
 RD. W. (5')
 T.C. = 691.00
 INV. = 687.14 (NI) 24" (ULT. EXIST.)
 INV. = 687.39 (S) 24" IN
 INV. = 687.19 (WL) 24" IN

STR. 103
 STA. 5+88.15 RT.
 PLS (24")
 INV. = 687.65

61 L.F. OF 24" SS @ 0.43%

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353Z	(4Y & 22-3R-2)	DUPAGE	284	260
STA. 700 TO STA. 675		ILLINOIS FED. AID PROJECT		

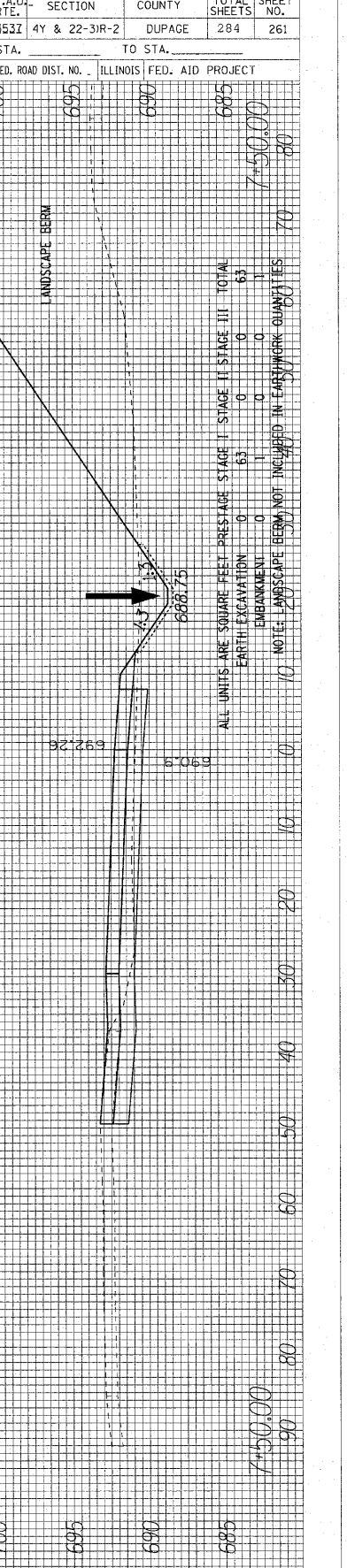
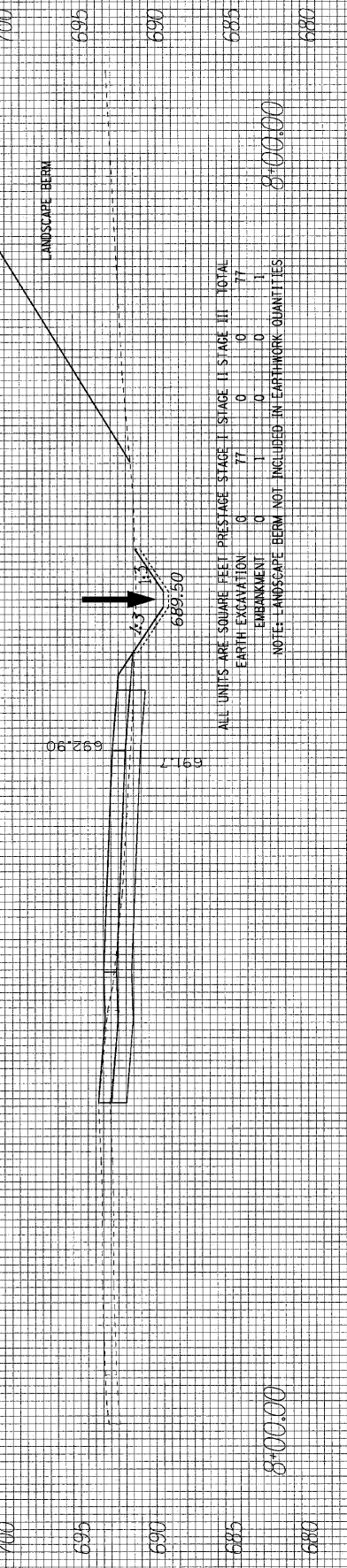
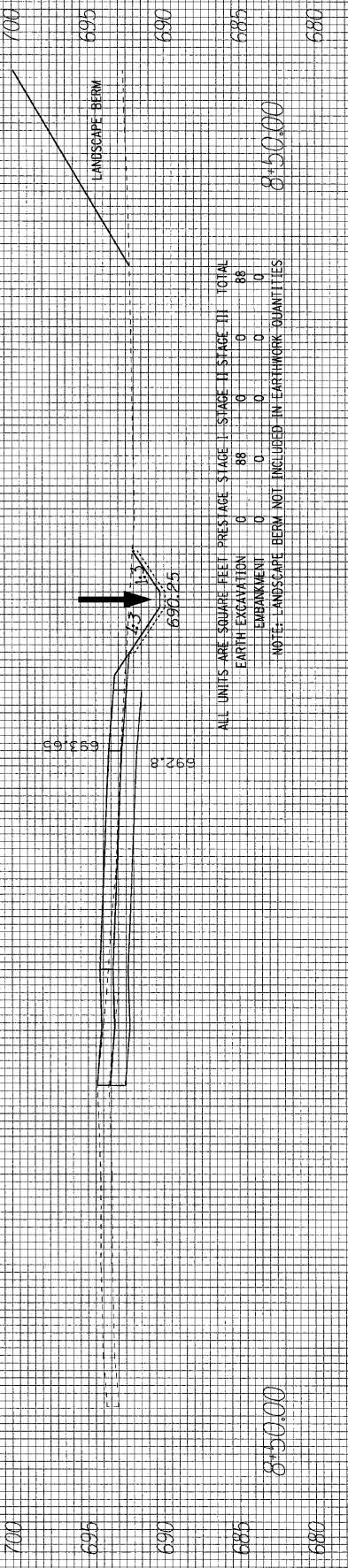
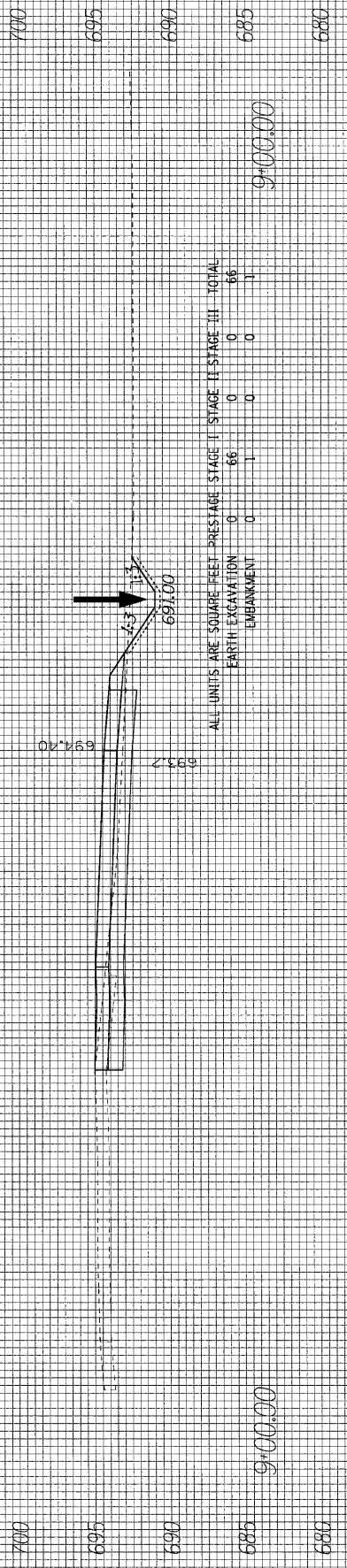
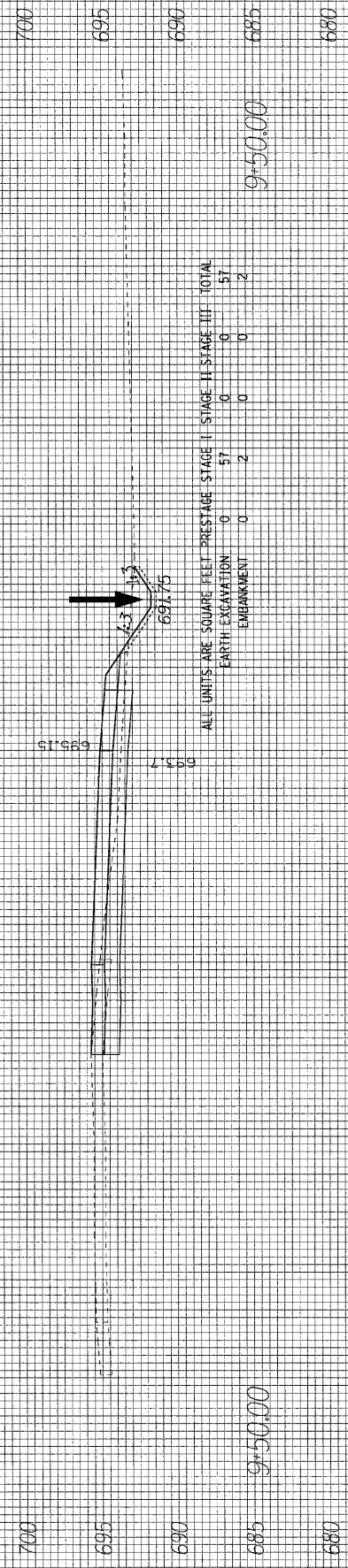
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 153 0 0 153
 EMBANKMENT 0 117 0 0 117
 NOTE - LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES
 5*50.00

5*88.00

FINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED

ORIGINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80



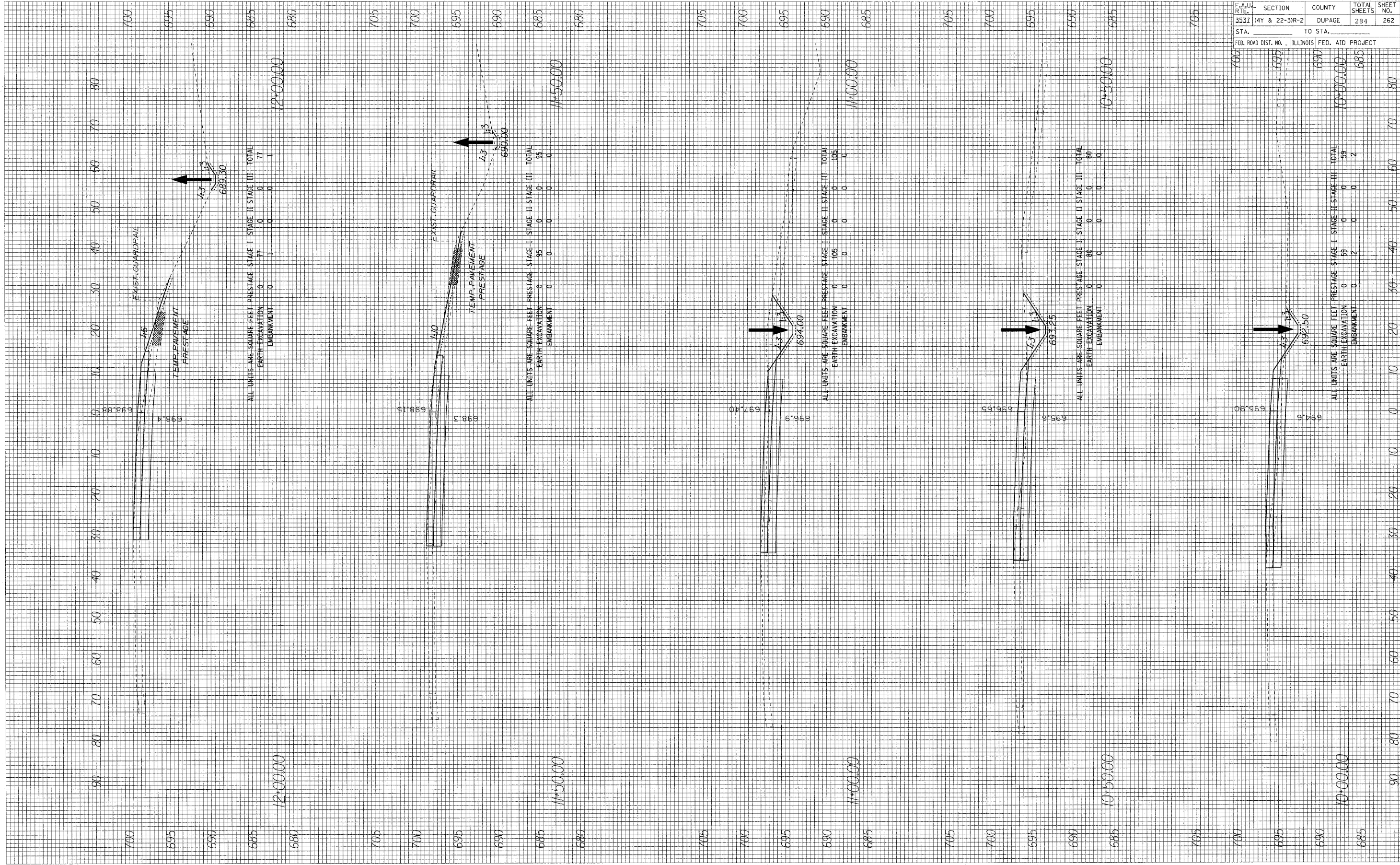
F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353Z 4Y & 22-3R-2	DUPAGE	284	261
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

BY _____ DATE _____

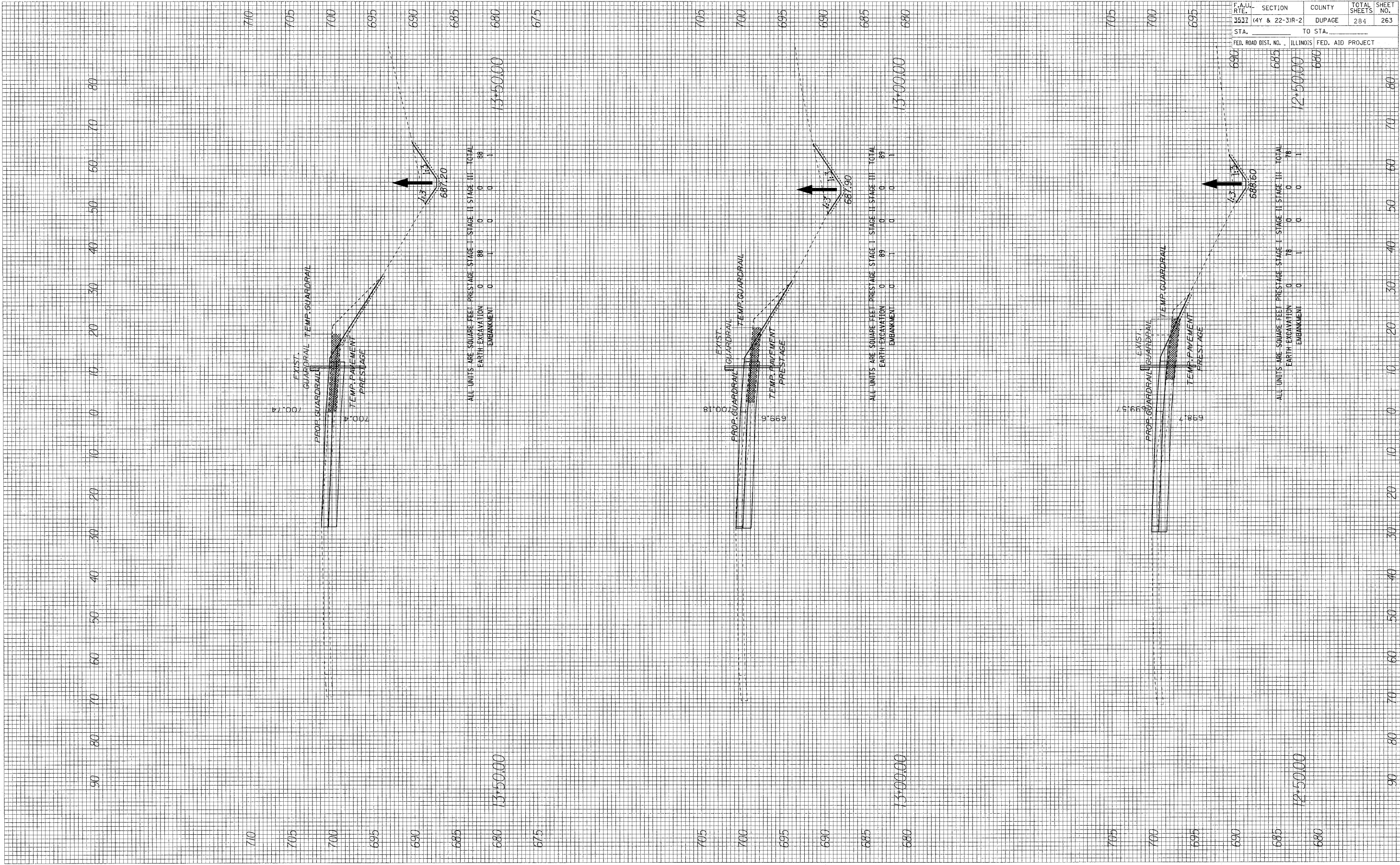
BY _____ DATE _____



F.A.U. RTE. 3537	SECTION (4Y & 22-3R-2)	COUNTY	TOTAL SHEETS 284	SHEET NO. 262
STA. 700	TO STA. 685	ILLINOIS FED. AID PROJECT		

FINAL SURVEY SURVEYED BY DATE
 SURVEY PLOTTED BY DATE
 NOTE BOOK NO. AREAS CHECKED

ORIGINAL SURVEY SURVEYED BY DATE
 SURVEY PLOTTED BY DATE
 NOTE BOOK NO. AREAS CHECKED



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 88 0 0 0 88
 EMBANKMENT 0 1 0 0 0 1

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 89 0 0 0 89
 EMBANKMENT 0 1 0 0 0 1

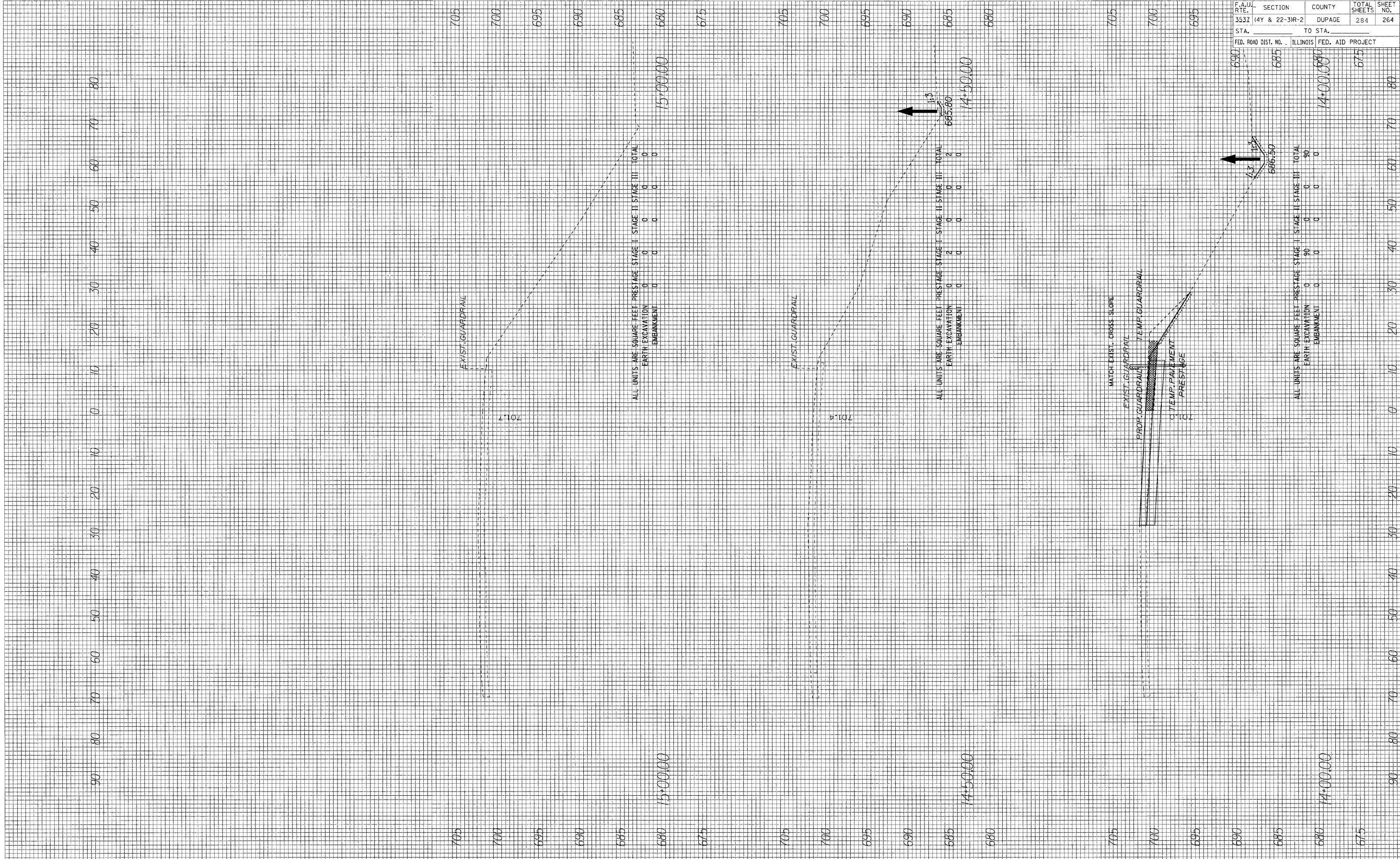
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 78 0 0 0 78
 EMBANKMENT 0 1 0 0 0 1

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3532 (4Y & 22-31R-2)	DUPAGE	284	263
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

12+50.00
 13+00.00
 13+50.00

FINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED BY
 NOTE BOOK TEMPLATE AREAS CHECKED
 NO.

ORIGINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED BY
 NOTE BOOK TEMPLATE AREAS CHECKED
 NO.



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 0 0 0
 EMBANKMENT 0 0 0 0

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 2 0 0
 EMBANKMENT 0 0 0 0

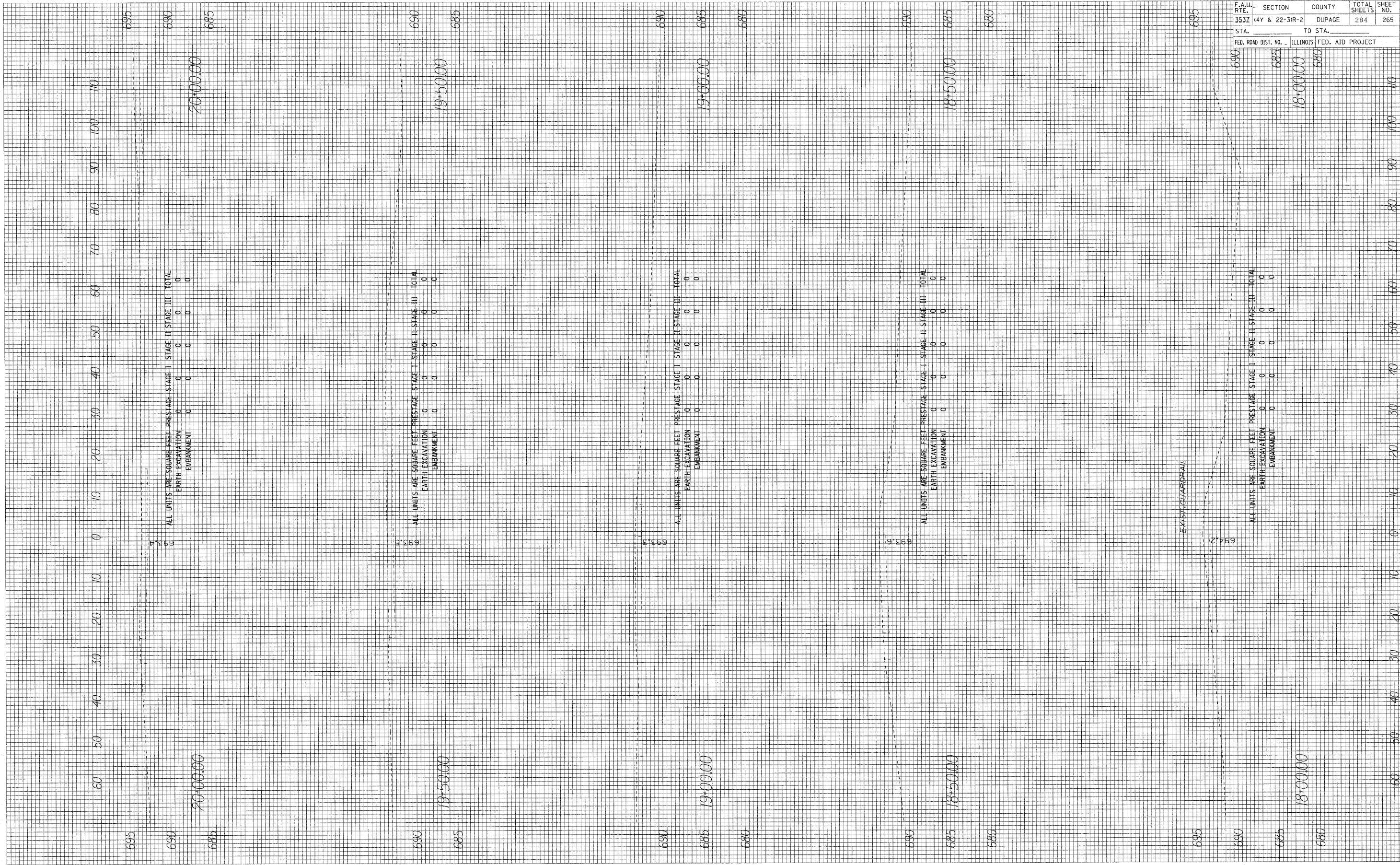
ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 90 0 0
 EMBANKMENT 0 0 0 0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353Z	14Y & 22-3R-2	DUPAGE	284	264
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

15+00.00
 14+50.00
 14+00.00

FINAL SURVEY SURVEY BOOK NO. BY DATE

ORIGINAL SURVEY SURVEY BOOK NO. BY DATE



ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 0
 EMBANKMENT 0
 TOTAL 0

20'00.00

ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 0
 EMBANKMENT 0
 TOTAL 0

19'50.00

ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 0
 EMBANKMENT 0
 TOTAL 0

19'00.00

ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 0
 EMBANKMENT 0
 TOTAL 0

18'50.00

ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 0
 EMBANKMENT 0
 TOTAL 0

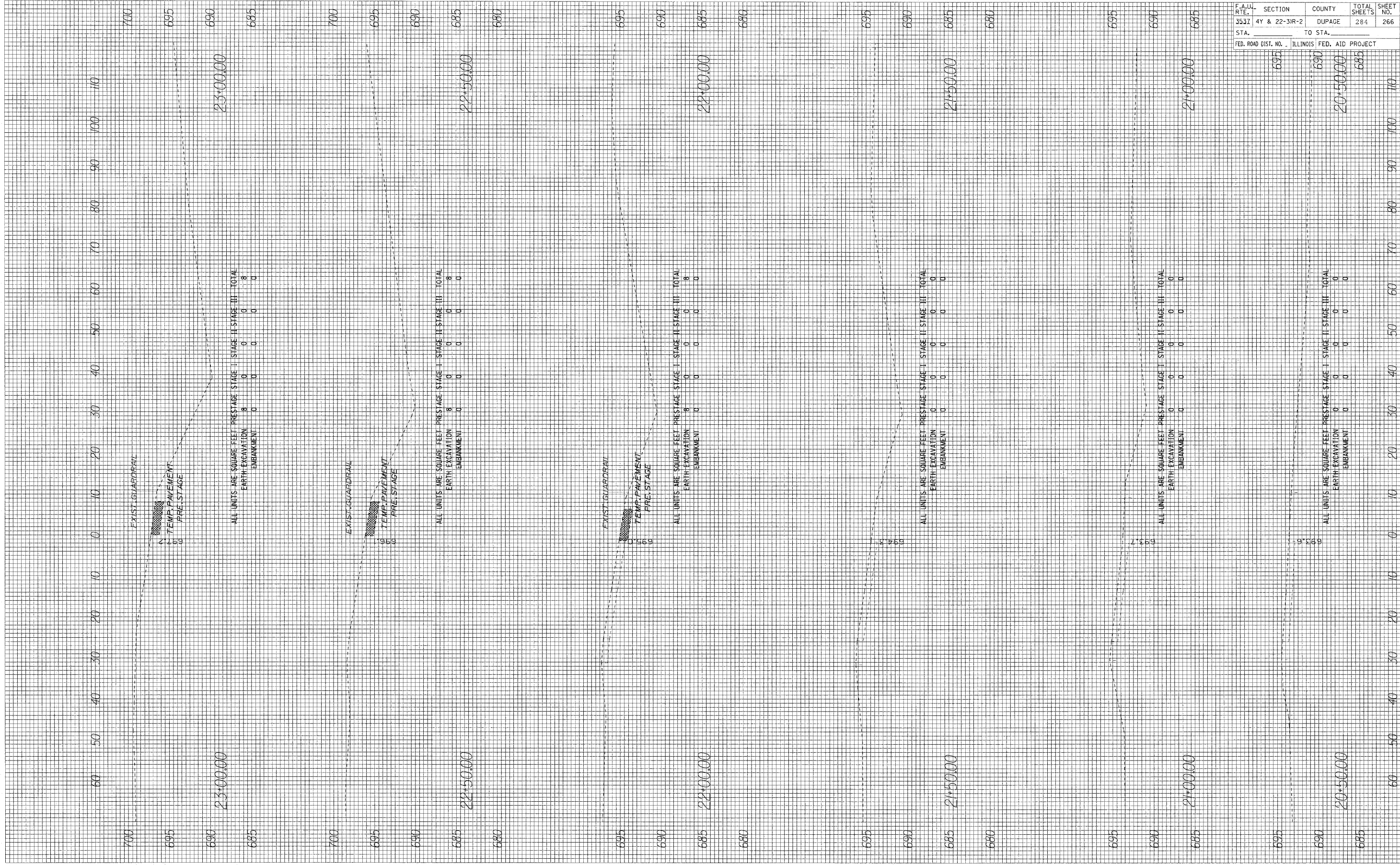
18'00.00

F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353Z	(4Y & 22-3R-2)	DUPAGE	284	265
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

ORIGINAL SURVEY
NOTE BOOK NO. _____
DATE _____
BY _____

FINAL SURVEY
NOTE BOOK NO. _____
DATE _____
BY _____

SURVEYED
PLOTTED
TEMPLATE
AREAS CHECKED



ALL UNITS ARE SQUARE FEET - PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 8 0 0 0 8
EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET - PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 8 0 0 0 8
EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET - PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 8 0 0 0 8
EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET - PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 0 0 0 0 0
EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET - PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 0 0 0 0 0
EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET - PRESTAGE STAGE I STAGE II STAGE III TOTAL
EARTH EXCAVATION 0 0 0 0 0
EMBANKMENT 0 0 0 0 0

F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353I	4Y & 22-3IR-2	DUPAGE	284	266
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED

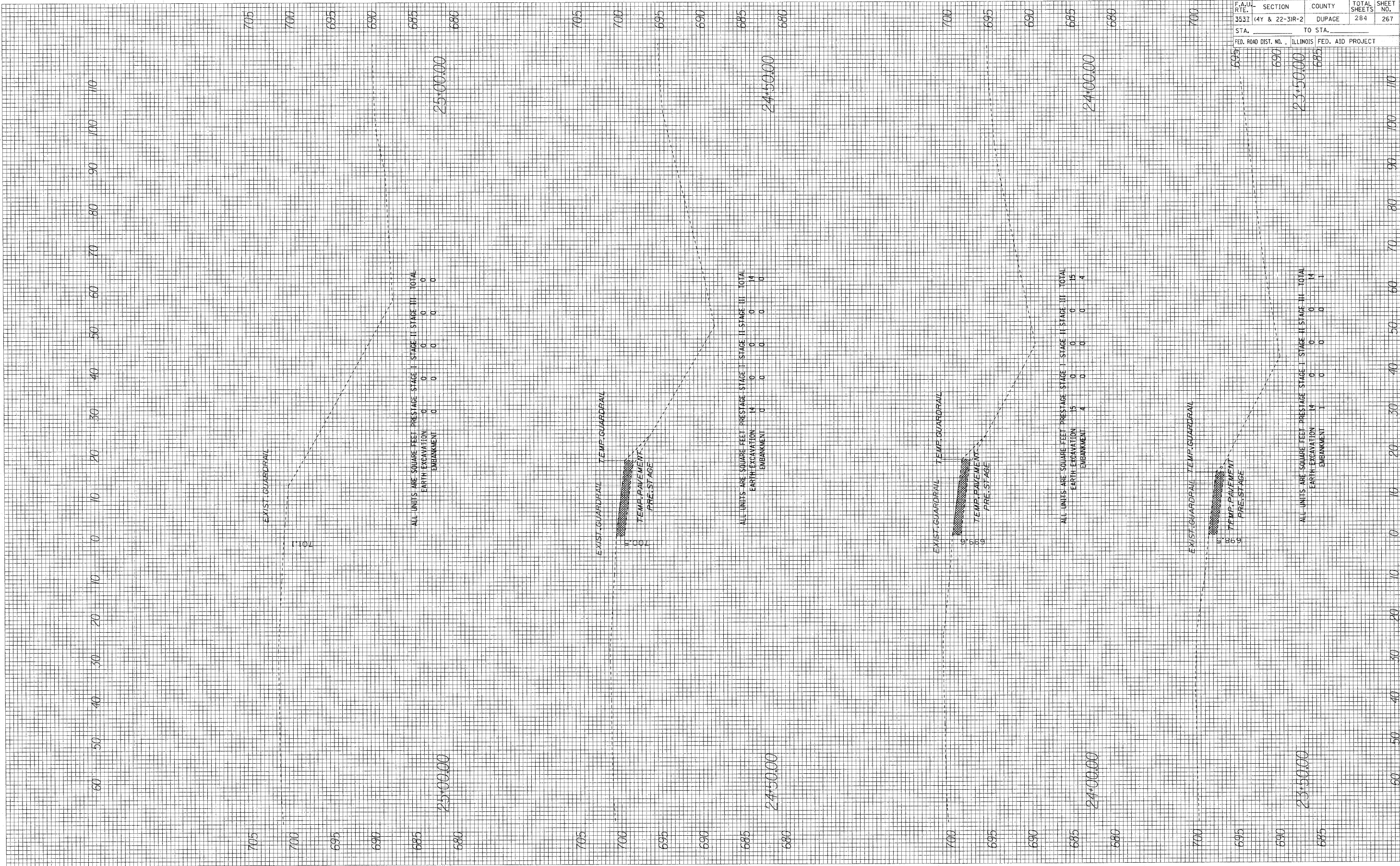
FINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED

BY

DATE

BY

DATE



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 0 0 0 0 0
 EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 14 0 0 0 14
 EMBANKMENT 0 0 0 0 0

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 15 0 0 0 15
 EMBANKMENT 4 0 0 0 4

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL
 EARTH EXCAVATION 14 0 0 0 14
 EMBANKMENT 1 0 0 0 1

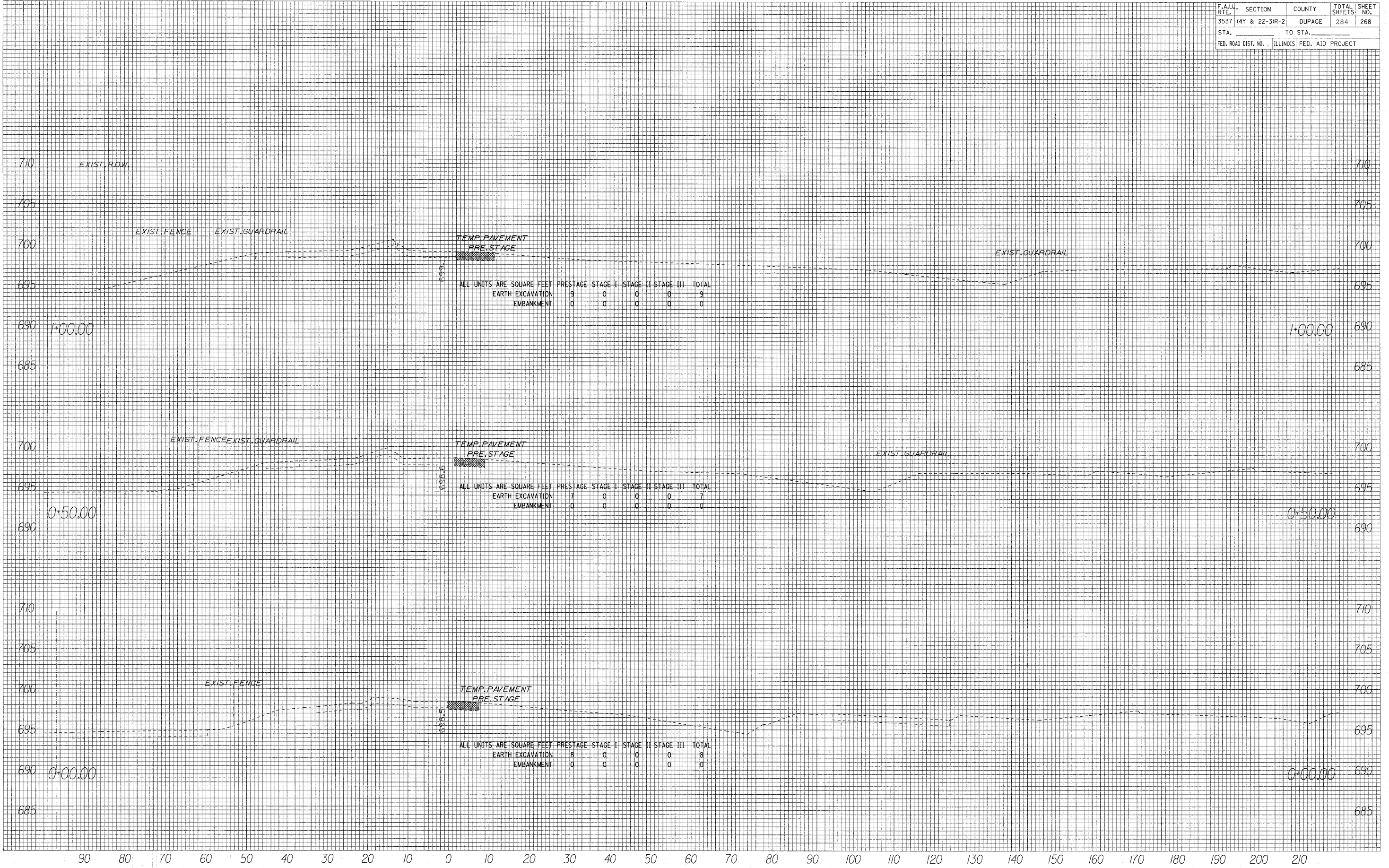
F.A.U. RTE. 353Z	SECTION (4Y & 22-31R-2)	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 267
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	(4Y & 22-31R-2)	DUPAGE	284	268
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	BY
NO.	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED

DATE	BY
NO.	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED

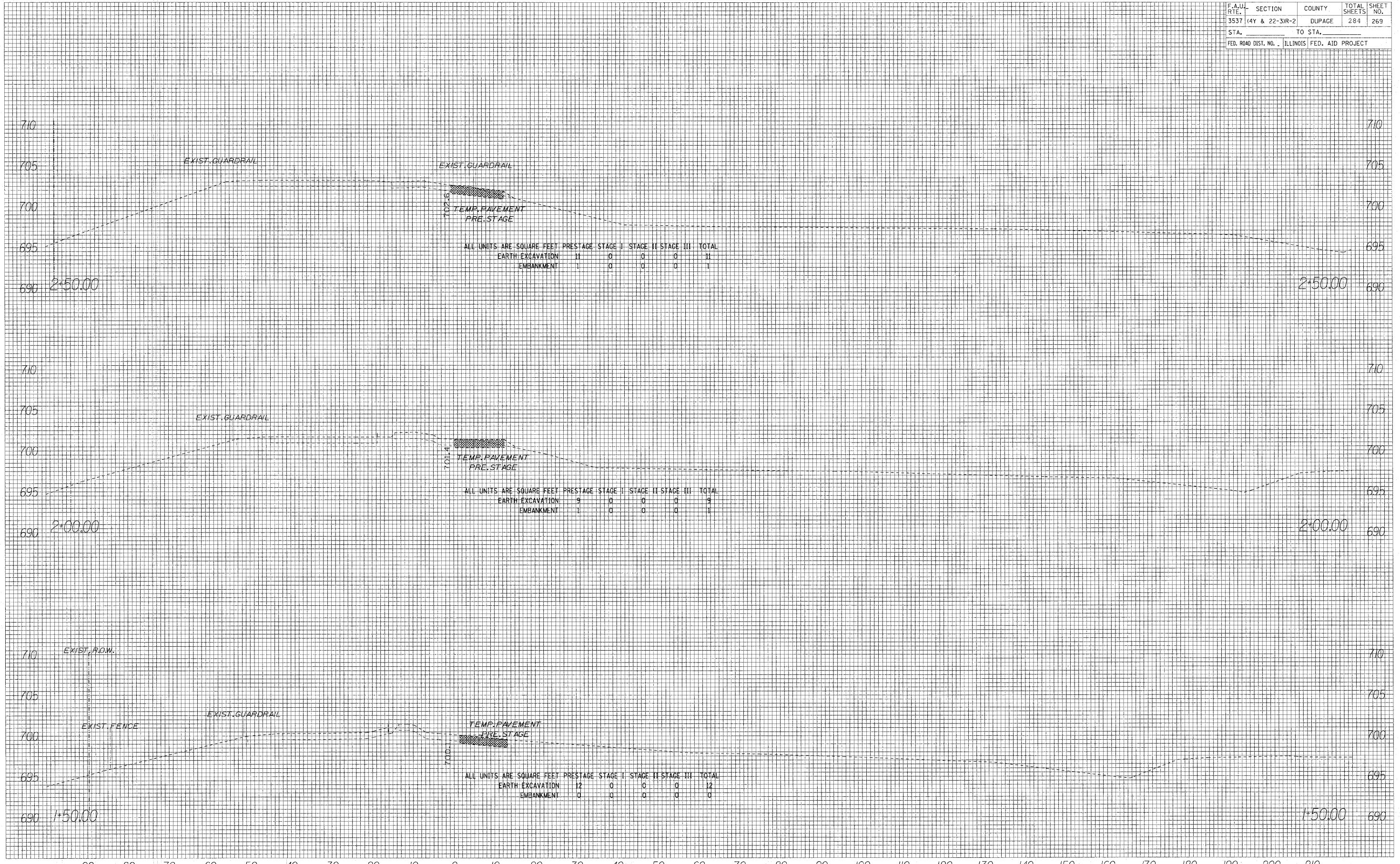


90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.U. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	14Y & 22-31R-2	DUPAGE	284	269
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
FINAL SURVEY	DATE

DATE	BY
ORIGINAL SURVEY	DATE

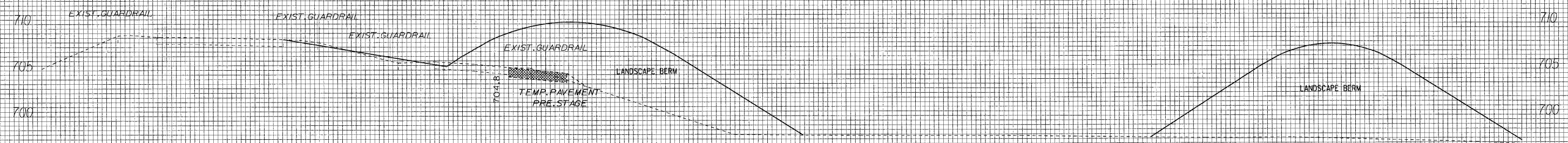


90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537 (4Y & 22-3IR-2)	DUPAGE	ILLINOIS	284	270
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		FED. AID PROJECT _____		

DATE	BY
DATE	BY
DATE	BY
DATE	BY

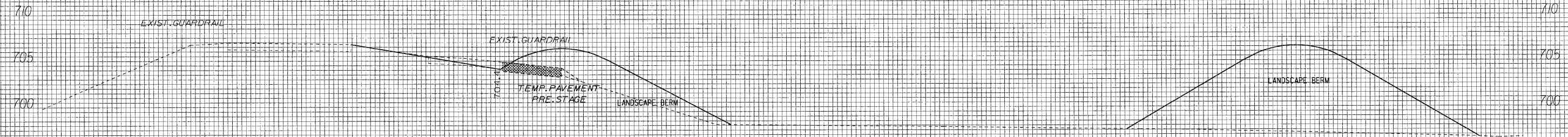
DATE	BY
DATE	BY
DATE	BY
DATE	BY



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	11	0	0	0	11
EMBANKMENT	2	0	0	0	2

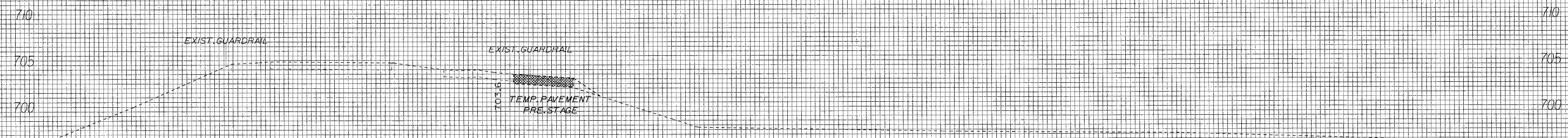
NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	10	0	0	0	10
EMBANKMENT	2	0	0	0	2

NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

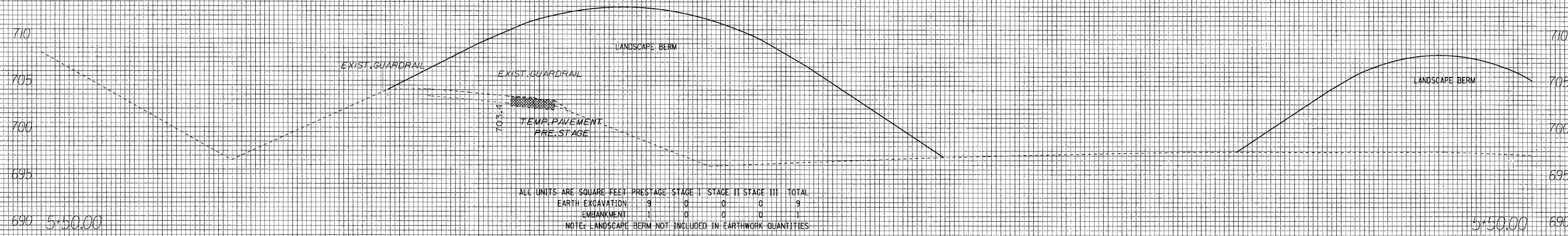
EARTH EXCAVATION	9	0	0	0	9
EMBANKMENT	3	0	0	0	3

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

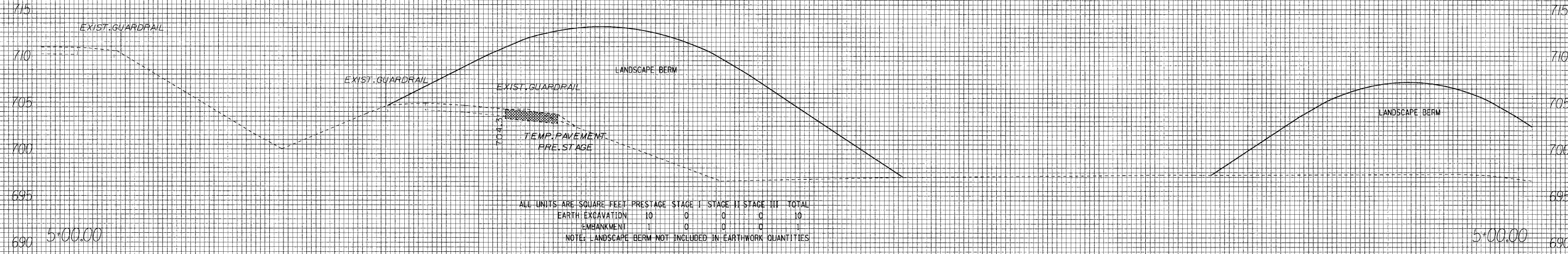
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F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	14Y & 22-31R-2	DUPAGE	284	271
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

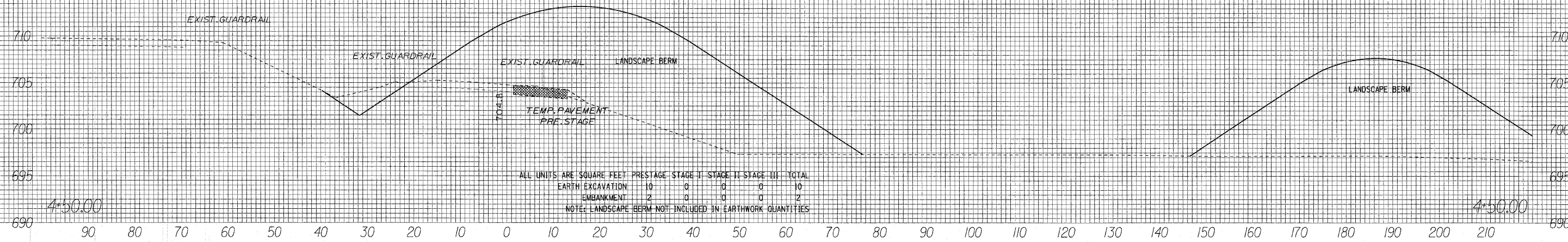
DATE	BY
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	



DATE	BY
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



DATE	BY
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

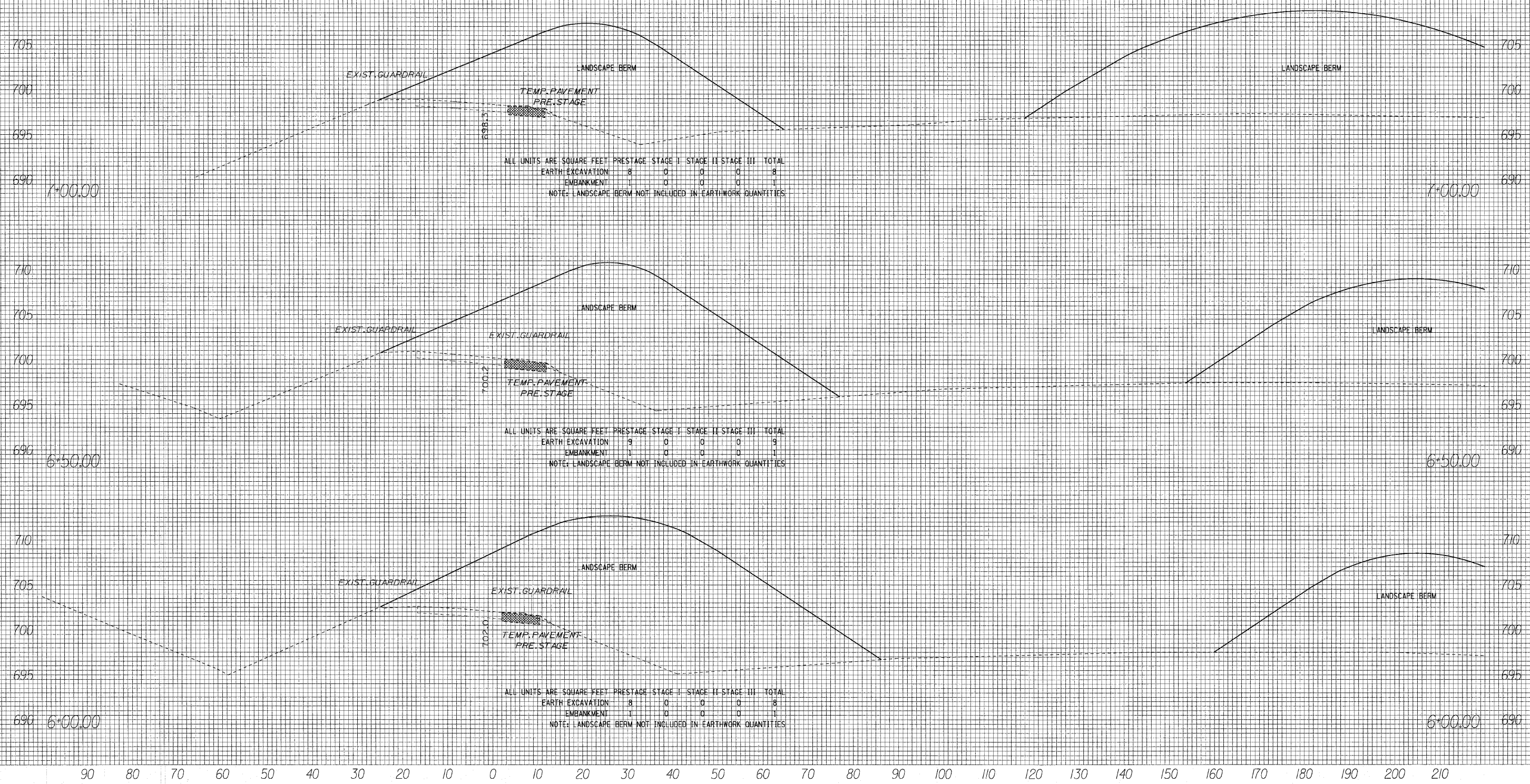


90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.U. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537 (4Y & 22-3)R-2	DUPAGE		284	272
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

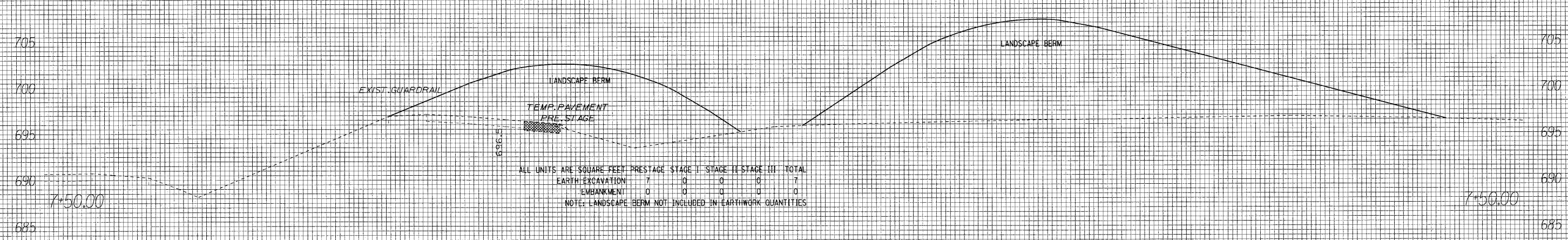
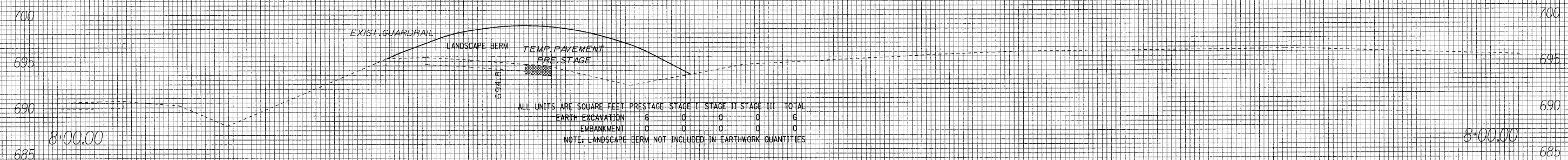
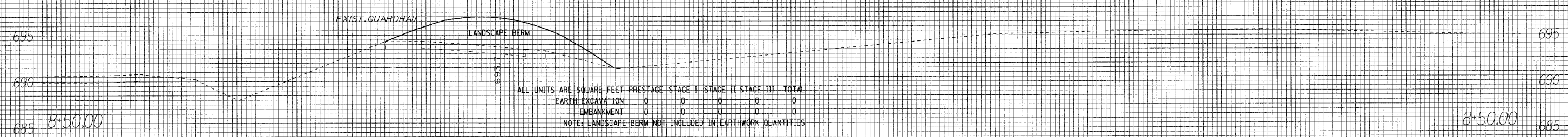
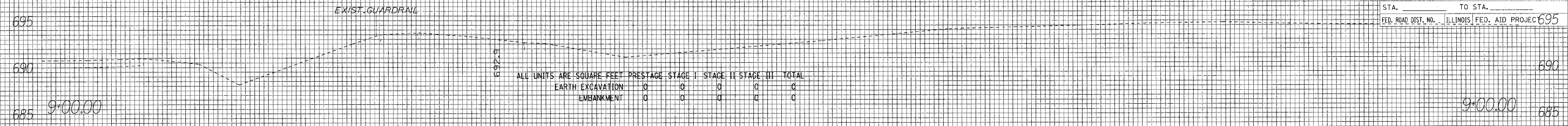
DATE	BY
NO.	
AREAS CHECKED	
TEMP. PAVEMENT	
PLATE	
NOTE BOOK	
NO.	
FINAL SURVEY	

DATE	BY
NO.	
AREAS CHECKED	
TEMP. PAVEMENT	
PLATE	
NOTE BOOK	
NO.	
ORIGINAL SURVEY	



90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537 4Y & 22-31R-2	DUPAGE	284	273
STA. _____ TO STA. _____		ILLINOIS FED. AID PROJEC 695	



FINAL SURVEY DATE _____
 SURVEY BY _____
 PLOTTED BY _____
 TEMPLATE NO. _____
 AREAS CHECKED BY _____

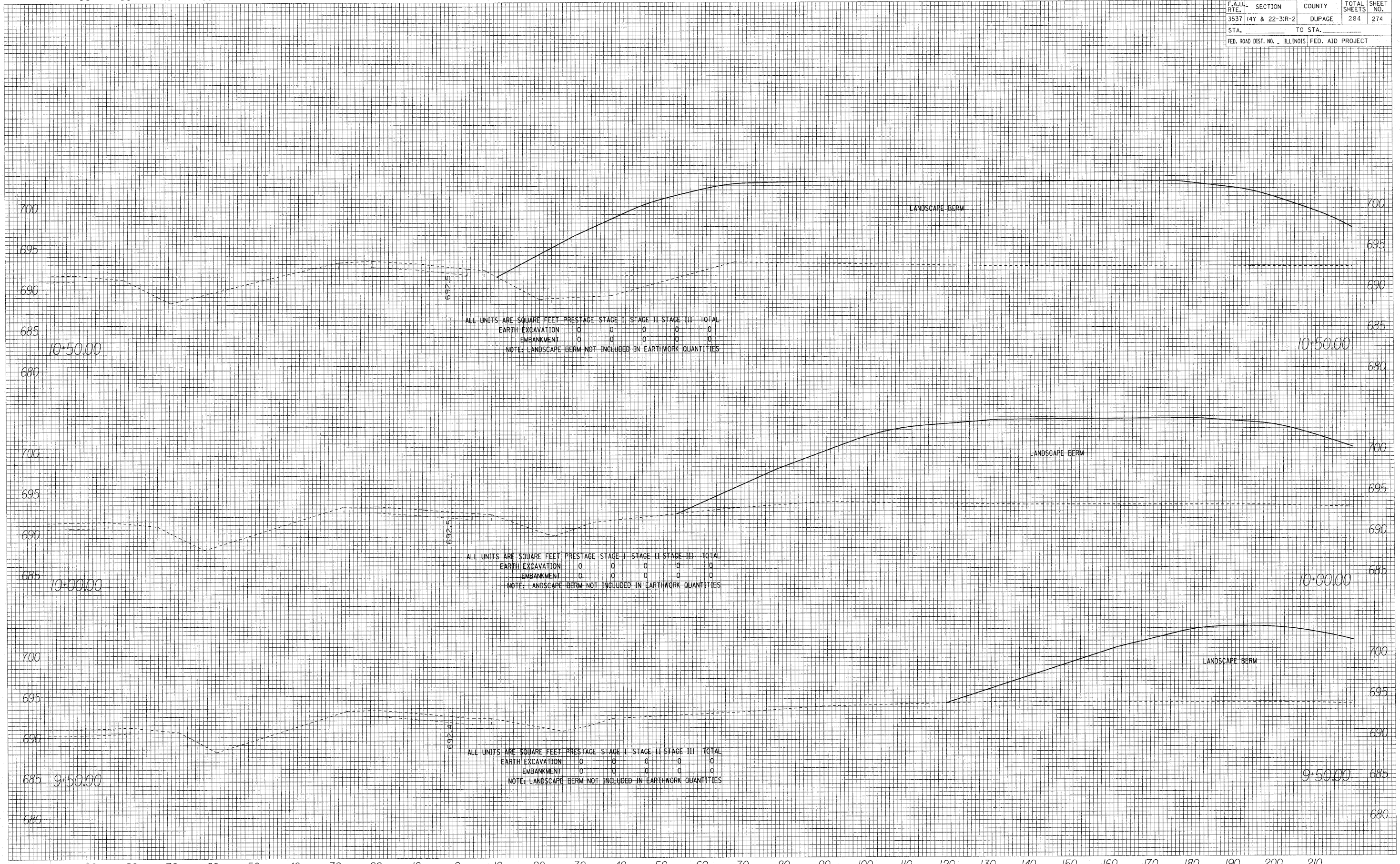
ORIGINAL SURVEY DATE _____
 SURVEY BY _____
 PLOTTED BY _____
 TEMPLATE NO. _____
 AREAS CHECKED BY _____

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.I.D. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537 (4Y & 22-31R-2)	DUPAGE	284	274
STA. _____ TO STA. _____			
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			

FINAL SURVEY	DATE
NO. _____	BY _____
NOTED	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NO. _____	BY _____
NOTED	
AREAS CHECKED	



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	0	0	0	0
EMBANKMENT	0	0	0	0	0

NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	0	0	0	0
EMBANKMENT	0	0	0	0	0

NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	0	0	0	0	0
EMBANKMENT	0	0	0	0	0

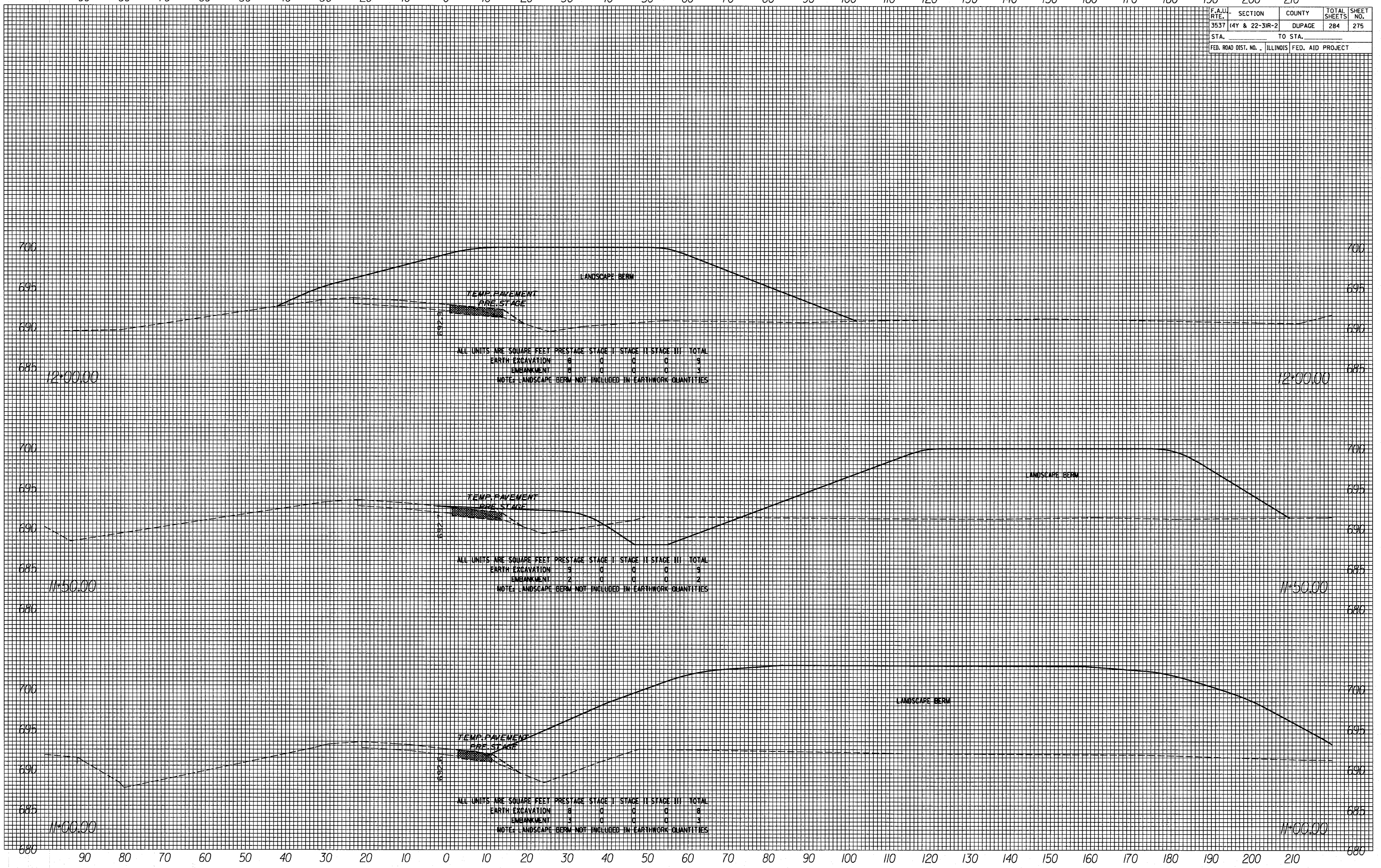
NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537 (4Y & 22-31R-2)	DUPAGE	284	275
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	DATE
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	

ORIGINAL SURVEY	DATE
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	

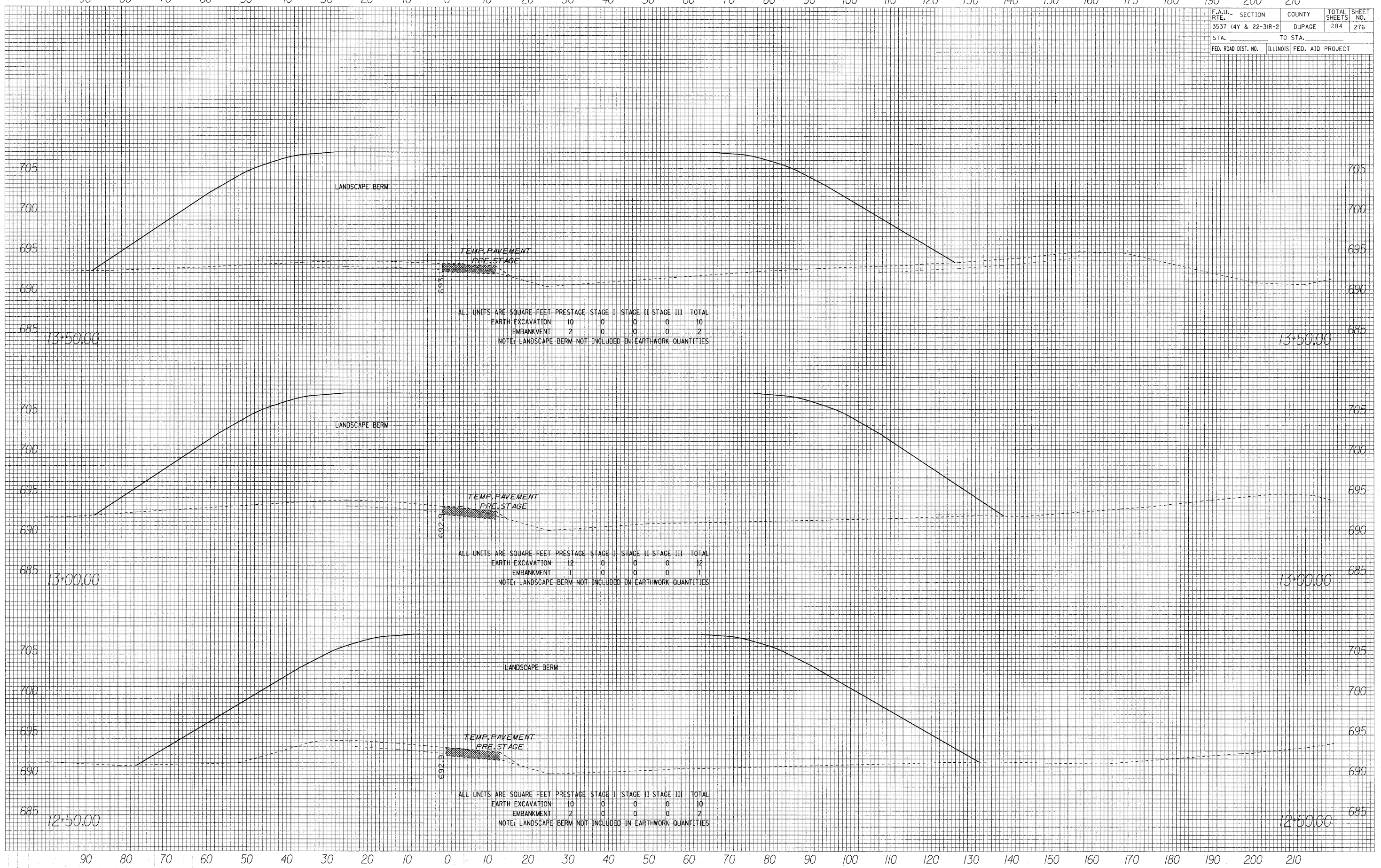


90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	4Y & 22-31R-2	DUPAGE	284	276
STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY



90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	4Y & 22-31R-2	DUPAGE	284	277
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NOTE BOOK NO. _____

DATE _____

BY _____

REVIEWED BY _____

DATE _____

NOTED BY _____

DATE _____

BY _____

AREAS CHECKED _____



685 15*00.00

690

695

700

705

685 15*00.00

ORIGINAL SURVEY NOTE BOOK NO. _____

DATE _____

BY _____

REVIEWED BY _____

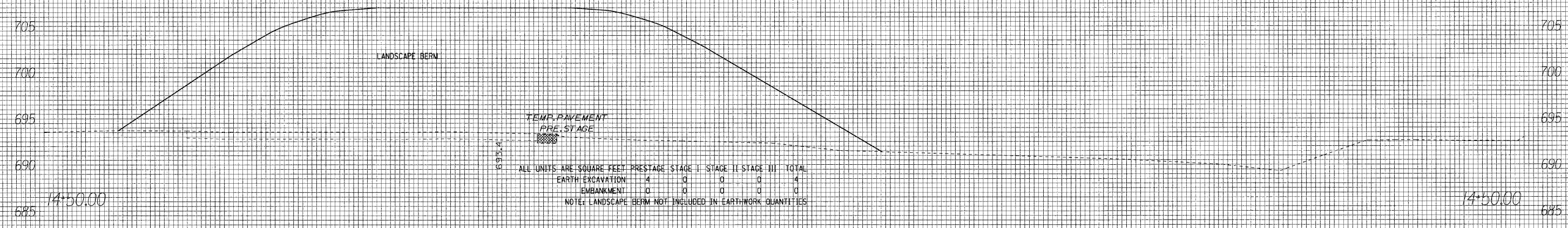
DATE _____

NOTED BY _____

DATE _____

BY _____

AREAS CHECKED _____



685 14*50.00

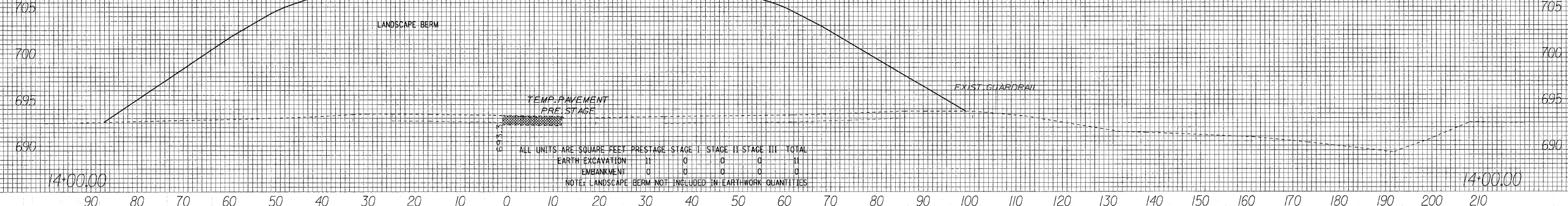
690

695

700

705

685 14*50.00



685 14*00.00

690

695

700

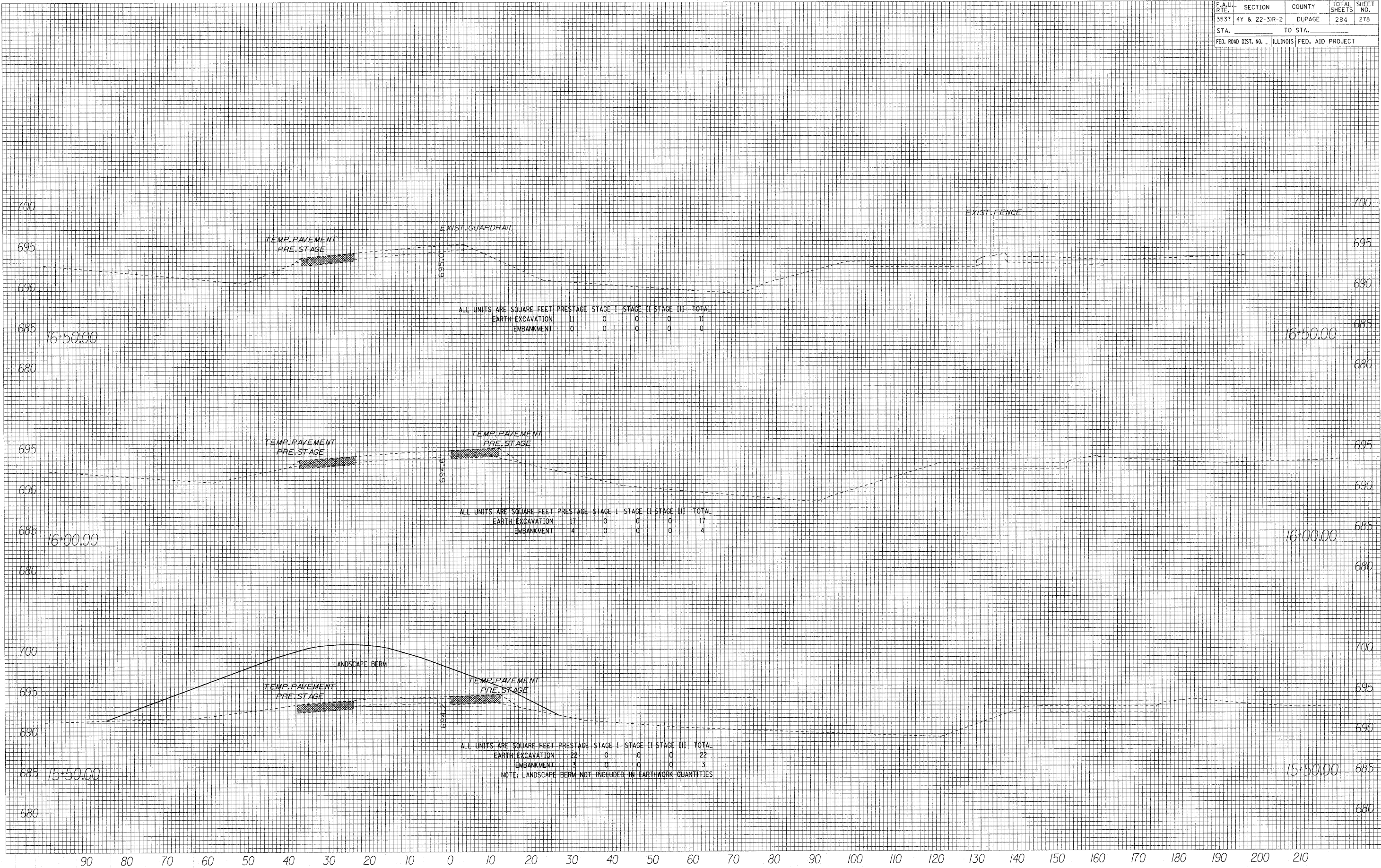
705

685 14*00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	4Y & 22-3R-2	DUPAGE	284	278
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____



ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	11	0	0	0	11
EMBANKMENT	0	0	0	0	0

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	17	0	0	0	17
EMBANKMENT	4	0	0	0	4

ALL UNITS ARE SQUARE FEET PRESTAGE STAGE I STAGE II STAGE III TOTAL

EARTH EXCAVATION	22	0	0	0	22
EMBANKMENT	3	0	0	0	3

NOTE: LANDSCAPE BERM NOT INCLUDED IN EARTHWORK QUANTITIES

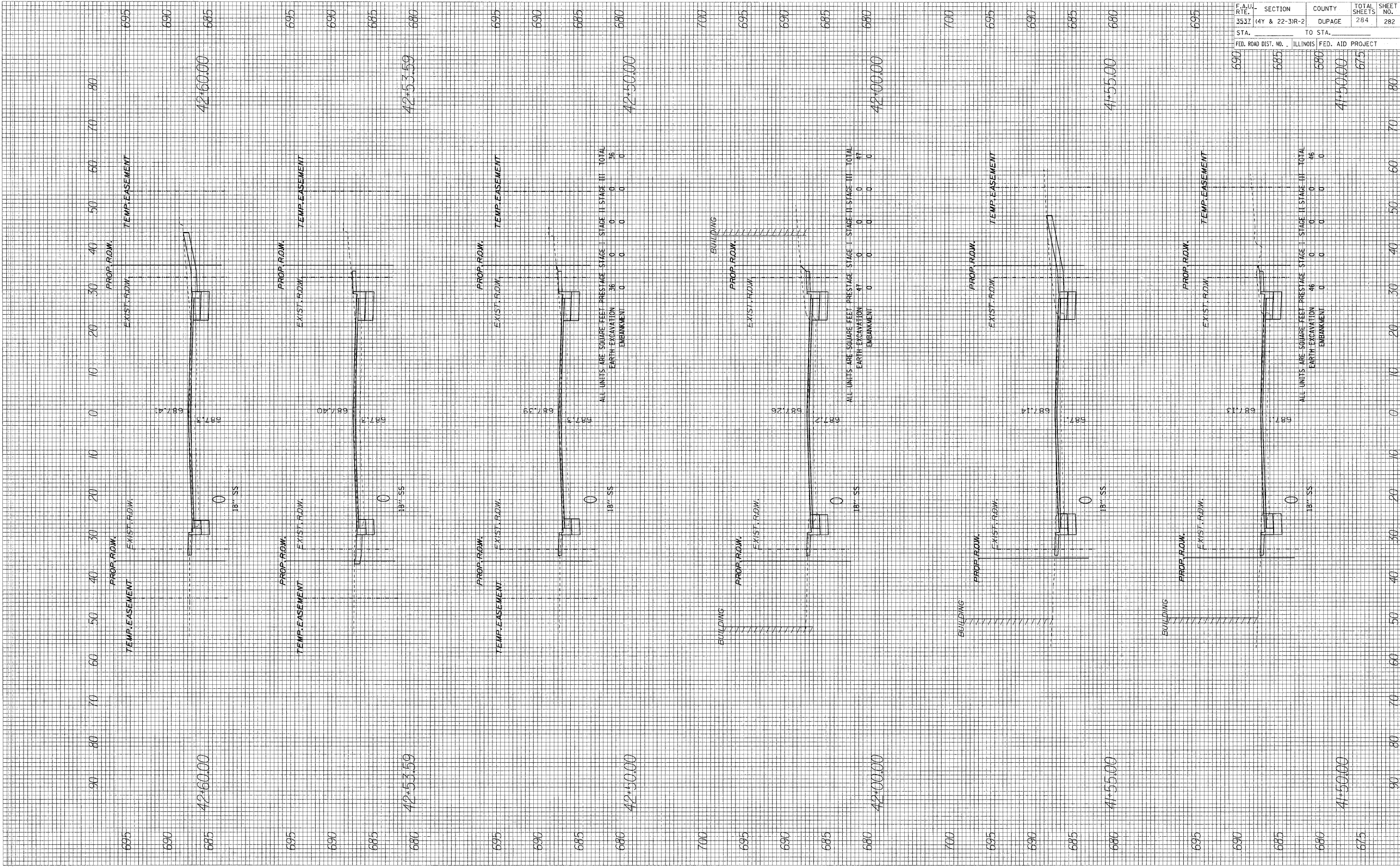
ORIGINAL SURVEY PLOTTED
 NOTE BOOK NO. AREAS CHECKED

FINAL SURVEY PLOTTED
 NOTE BOOK NO. AREAS CHECKED

DATE

BY

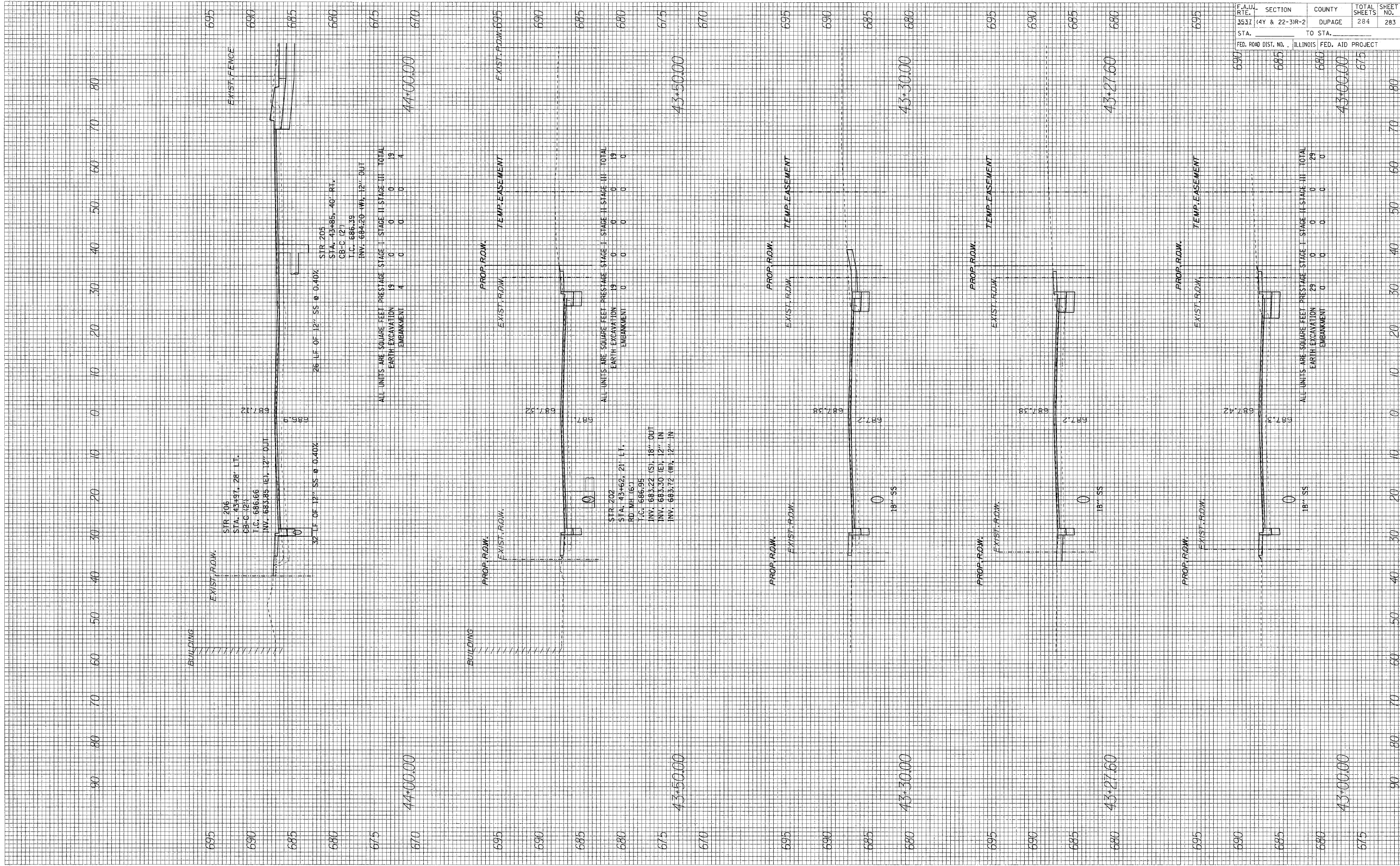
DATE



F.A.U. RTE. 3537	SECTION (4Y & 22-3R-2)	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 282
STA. 690	TO STA. 685	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	
690	685	690	41+50.00	675

ORIGINAL SURVEY SWICHTED SCOTTED NOTE BOOK NO. BY DATE

FINAL SURVEY SWICHTED SCOTTED NOTE BOOK NO. BY DATE



STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
695				
690				
685				
680				
675				
670				

F.A.U. R.T.E. 3531	SECTION 14Y & 22-31R-2	COUNTY DUPAGE	TOTAL SHEETS 284	SHEET NO. 283
STA. 690	TO STA. 685	ILLINOIS FED. AID PROJECT		

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
690				
685				
680				
675				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
690				
685				
680				
675				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
690				
685				
680				
675				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
690				
685				
680				
675				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
690				
685				
680				
675				

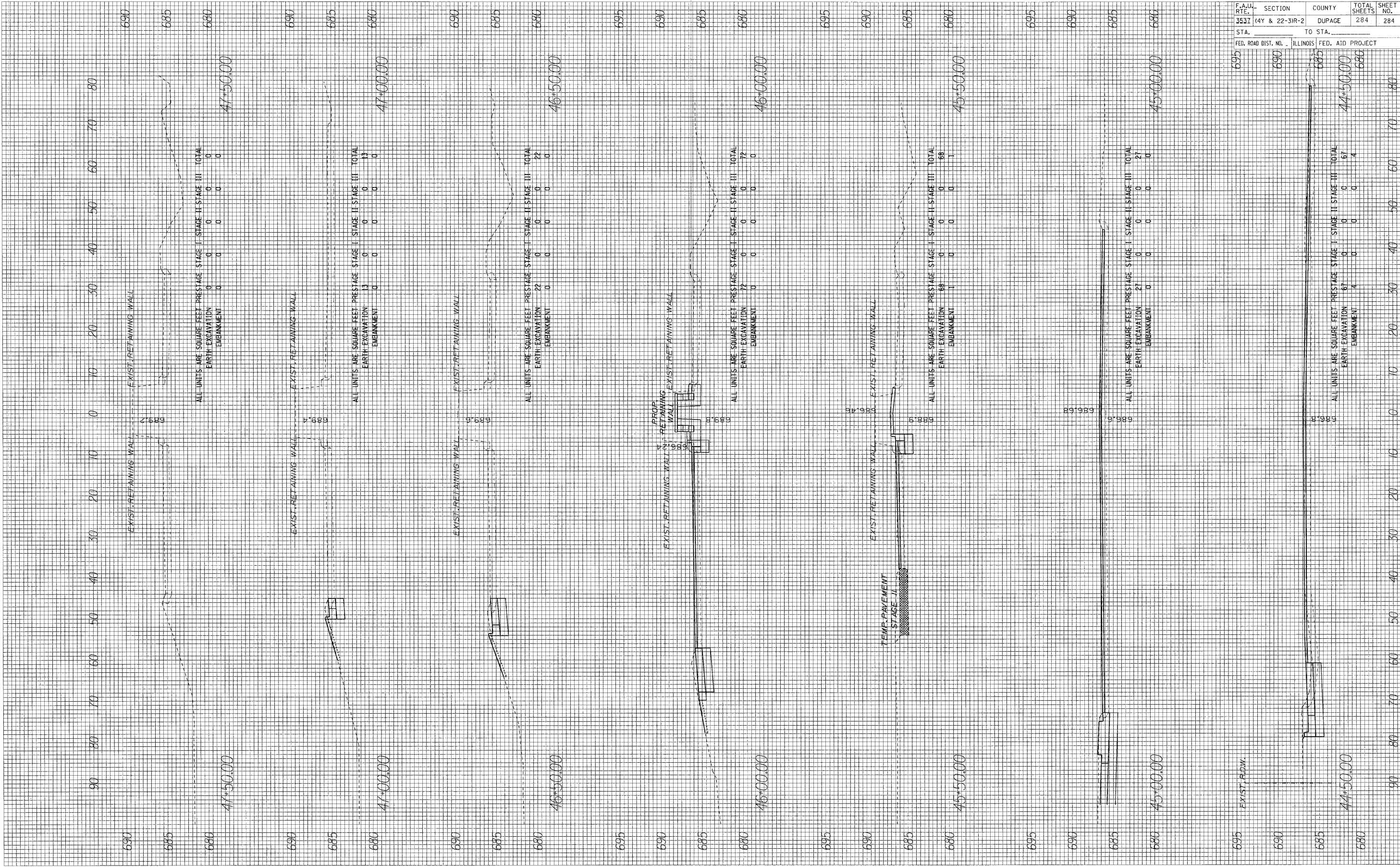
STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
690				
685				
680				
675				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
690				
685				
680				
675				

STATION	EXIST. ROW	PROP. ROW	TEMP. EASEMENT	TOTAL
690				
685				
680				
675				

ORIGINAL SURVEY
 SURVEY NOTE BOOK NO.
 BY DATE
 CHECKED AREAS CHECKED

FINAL SURVEY
 SURVEY NOTE BOOK NO.
 BY DATE
 CHECKED AREAS CHECKED



F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	(4Y & 22-3)R-2	DUPAGE	284	284
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			