

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 325 (IL 16)  
SECTION 3BR-2  
PROJECT: *BRF-0325(050)*  
JERSEY COUNTY

REPLACEMENT OF THE STRUCTURE CARRYING IL 16  
OVER BAUM BRANCH CREEK  
C-98-091-08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	1
FED. ROAD DIST. NO. 8	ILLINOIS	CONTRACT NO. 76B01		

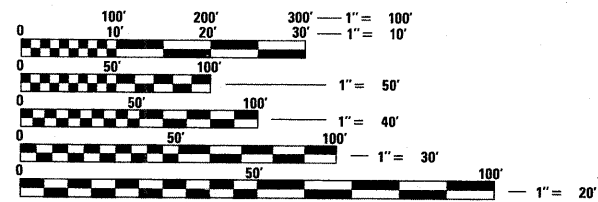
70+4=94

D-98-020-06



LOCATION OF SECTION INDICATED THUS: —■—

FOR INDEX OF SHEETS, SEE SHEET NO.

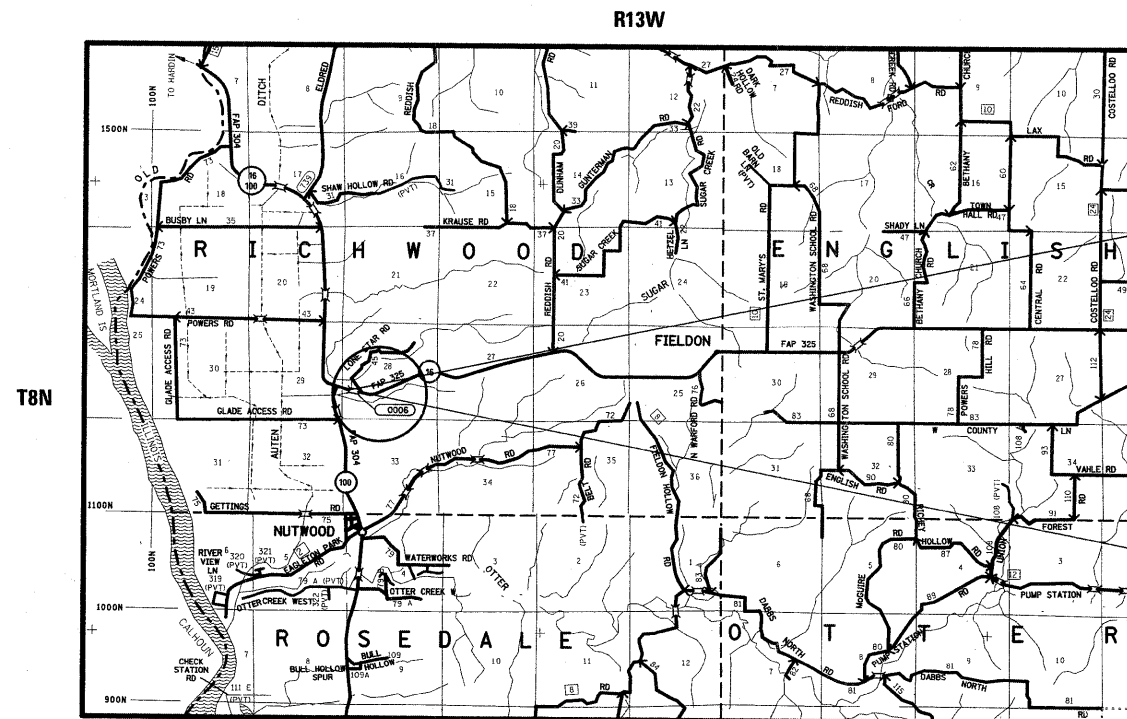


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

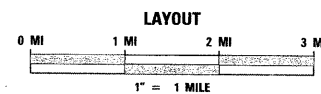
PROJECT ENGINEER PATTI LEBEAU - (618) 3146-3179  
PROJECT MANAGER ART MUEHLFELD - (618) 346-3209

CONTRACT NO. 76B01



BEGIN  
STA 119+47.75  
EX. SN 042-0006  
PR. SN 042-0041

END  
STA 120+08.25



LATITUDE = 39.1060  
LONGITUDE = 90.5582

ADT  
2450(2009)/3000(2029)  
SU%: 3.4 MU%: 3.0

GROSS LENGTH = 60.5 FEET = .01 MILES  
NET LENGTH = .01 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *December 11* 20 08

*M. C. James*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

*January 30* 20 09  
*Charles J. Dransoff*  
ENGINEER OF DESIGN AND ENVIRONMENT

*January 30* 20 09  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

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## HIGHWAY STANDARDS

000001-05	606201-02	666001-01	701901-01
001001-02	630001-08	701006-03	704001-05
001006	630301-05	701011-02	720001-01
406201-01	631031-07	701306-02	720006-02
	635006-03	701311-03	780001-02
420701-02	635011-02	701321-10	781001-03
515001-03	665001-02	701326-03	601101-01

## EROSION CONTROL PLAN

ANY AREAS DISTURBED DUE TO THE CONSTRUCTION ACTIVITIES SHALL BE SEEDED (TEMPORARY AND PERMANENT). THE AREA DISTURBED DUE TO THE CONSTRUCTION OF THE TEMPORARY ENTRANCE SHALL BE EXCLUDED FROM THIS DIRECTIVE. IT SHALL BE INSTEAD SODDED ACCORDING TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCERS STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

TEMPORARY SEEDING AND MULCH SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.

FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE WITH CLASS 2 SEEDING.

## GENERAL NOTES

- THE STANDARDS AND REVISION NUMBERS STATED IN THE PLANS SHALL APPLY TO THIS CONTRACT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND THE ORDERING OF MATERIALS.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
  - FRONTIER COMMUNICATIONS COMPANY
  - MJM ELECTRIC COOP, INC.
  - JERSEY COUNTY RURAL WATER COMPANY
- MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY AN •. NON- J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING, FERTILIZING, AND MULCHING ANY AREAS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION. THIS WORK WILL NOT BE MEASURED FOR PAYMENT. THE SEEDING SHALL BE CLASS 1. THE APPLICATION OF THE SEEDING, FERTILIZER AND MULCH SHALL BE TO THE SATISFACTION OF THE ENGINEER. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.
- IF THE CONTRACTOR REMOVES TREES WITHIN THE PROJECT RIGHT-OF-WAY LIMITS FOR HIS CONSTRUCTION ACTIVITY, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE, IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE AND NO OTHER COMPENSATION WILL BE ALLOWED.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND ENDING OF THE PROJECT AND AT ANY SIDEROADS WITHIN THE PROJECT LIMITS. THIS WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE.
- NO TRENCHES OR OPEN PITS WILL BE PERMITTED ADJACENT TO A TRAFFIC LANE DURING NONE WORKING HOURS. ALL WIDENING TRENCHES SHALL BE BACK FILLED DURING THE SAME WORKING DAY IT WAS EXCAVATED.
- THE COST OF GRADING AND SHAPING ALONG THE PROPOSED BASE COURSE SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION".
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ADJACENT PAVEMENT IS NOT DAMAGED DURING ANY OPERATION.
- ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A MANNER AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKING.
- ALL WIDE LOAD SIGNING SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF THE CONTRACT.
- EXCAVATIONS ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE FLASHING OR STEADY BURNING LIGHTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS A NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO THE IRREGULARITY IN THE BASE ON WHICH THE MIXTURE IS PLACED.
- THE PAVEMENT REMOVAL QUANTITY INCLUDES 35 SQUARE YARDS OF BRIDGE APPROACH PAVEMENT.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
- A TOTAL OF 261 TONS OF STONE RIPRAP CLASS A3, HAS BEEN INCLUDED IN THE PLANS. OF THIS QUANTITY, 243 TONS WILL BE USED ON THE HAUL ROAD AND THE REMAINDER WILL BE USED AT LOCATIONS INDICATED IN THE PLANS.
- THE SALVAGED BRIDGE RAIL SHALL BE DELIVERED TO THE JERSEY MAINTENANCE SECTOR.
- THE PRIVATE SEPTIC SEWER SYSTEM SHOWN ON THE EXISTING TOPOGRAPHY WILL BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION OF THE TEMPORARY ENTRANCE.
- RIGHT-OF-WAY MARKERS SHALL BE SET SO THE BACK OF THE POST IS TWELVE (12") INCHES INSIDE THE RIGHT-OF-WAY BOUNDARY. RIGHT-OF-WAY CORNERS ARE MARKED BY A 5/8" IRON ROD WITH IDOT ALUMINUM CAP AND SHALL NOT BE REMOVED OR DAMAGED WHEN SETTING THE RIGHT-OF-WAY MARKERS.
- THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER SHALL BE PAINTED WITH TEMPORARY PAVEMENT MARKING "YELLOW". THIS WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER AND NO OTHER COMPENSATION SHALL BE ALLOWED.
- THE BITUMINOUS MATERIAL (PRIME COAT) QUANTITIES HAVE BEEN DETERMINED USING AN APPLICATION RATE OF .0003129 TONS/SQUARE YARD AND THE AGGREGATE PRIME COAT QUANTITY HAS BEEN DETERMINED USING AN APPLICATION RATE OF .0015 TONS/SQAURE YARD.
- A QUANTITY OF 387 SQUARE YARDS OF PAVEMENT REMOVAL HAS BEEN INCLUDED IN THE PLANS. A TOTAL OF 150 SQUARE YARDS OF THIS QUANTITY IS ASSUMED TO BE BRIDGE APPROACH PAVEMENT.
- THE RECLAIMED ASPHALT PAVEMENT FROM THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PRIMED AND FINAL SURFACE. AN AMOUNT OF TEMPORARY PAVEMENT MARKING WHICH EQUALS TWICE THE AMOUNT OF PERMANENT PAVEMENT MARKINGS HAS ALSO BEEN INCLUDED IN THE PLANS.
- A TOTAL OF 1123 SOARE YDS OF STONE RIPRAP CL A3 HAS BEEN INCLUDED IN THE PLANS. 579 SOARE YARDS OF THIS QUANTITY IS TO BE USED FOR THE HAUL ROAD CONSTRUCTION. THE REMAINDER WILL BE USED FOR CONSTRUCTION IN CONJUNCTION WITH THE BRIDGE CONSTRUCTION.
- THE COST OF GRADING AND SHAPING ALONG THE PROPOSED BASE COURSE SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION".
- THE AGGREGATE FOR TEMPORARY ACCESS WILL BE CONSTRUCTED ACCORDING TO SECTION 402.07 OF THE STANDARD SPECIFICATION.
- THE FILTER FABRIC INCLUDES QUANTITIES FOR RIPRAP LOCATED AT THE BRIDGE APPROACH PAVEMENT AND THE HAUL ROAD.

## COMMITMENTS

THE TREE LOCATED AT APPROXIMATE STATION 120+63.30, 136.4' LEFT, SHALL BE PROTECTED FROM DAMAGED DURING THE CONSTRUCTION.

RUMBLE STRIPS WILL NOT BE PLACED DURING STAGE CONSTRUCTION IF SAFETY ISSUES ALLOW.

A "HIDDEN DRIVEWAY" SIGN WILL BE PLACED IN ADVANCE OF THE PRIVATE ENTRANCE LOCATED AT STA. 108+72.85 LEFT, BY OPERATIONS PRIOR TO COMMENCEMENT OF THE PROJECT.

## MIXTURE REQUIREMENT CHART

MIXTURE USE	SURFACE	LEVEL BINDER	BINDER	BASE COURSE	INCIDENTAL SURF
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	15%	15%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)					
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "B"	MIXTURE "C"

FILE NAME =	USER NAME = manntm	DESIGNED - HG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS /HIGHWAY STANDARDS GENERAL NOTES /MIX CHART/COMMITMENTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p\dot\manntm\dna51935\pin0206a.dgn	DRAWN - HG	REVISED -	325			3BR-2	JERSEY	90	2	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76B01							
PLOT DATE = 12/11/2008	DATE -	REVISED -	SCALE:			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT		

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		X071-2A 20% STATE 80% FED			CODE NO	ITEM	UNIT		X071-2A 20% STATE 80% FED		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	348	348		42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	43	43			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	104	104		44000100	PAVEMENT REMOVAL	SQ YD	387	387			
20200100	EARTH EXCAVATION	CU YD	635	635		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	35	35			
20300100	CHANNEL EXCAVATION	CU YD	755	755		44000400	GUTTER REMOVAL	FOOT	155	155			
20400800	FURNISHED EXCAVATION	CU YD	315	315		44004250	PAVED SHOULDER REMOVAL	SQ YD	179	179			
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	98	98		50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	400	400		50105220	PIPE CULVERT REMOVAL	FOOT	111	111			
25000200	SEEDING, CLASS 2	ACRE	0.9	0.9		50200100	STRUCTURE EXCAVATION	CU YD	142	142			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90	90		50300100	FLOOR DRAINS	EACH	8	8			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90	90		50300225	CONCRETE STRUCTURES	CU YD	32	32			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90	90		50300254	RUBBED FINISH	SQ FT	32	32			
25100115	MULCH, METHOD 2	ACRE	2.2	2.2		50300255	CONCRETE SUPERSTRUCTURE	CU YD	91.9	91.9			
25200100	SODDING	SQ YD	400	400		50300260	BRIDGE DECK GROOVING	SQ YD	210	210			
25200200	SUPPLEMENTAL WATERING	UNIT	1	1		50300280	CONCRETE ENCASEMENT	CU YD	4.2	4.2			
28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	1.3	1.3		50300300	PROTECTIVE COAT	SQ YD	277	277			
28100107	STONE RIPRAP, CLASS A4	SQ YD	544	544		50800515	BAR SPLICERS	EACH	282	282			
28100205	STONE RIPRAP, CLASS A3	TON	266	266		50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1			
28200200	FILTER FABRIC	SQ YD	1169	1169		50500505	STUD SHEAR CONNECTORS	EACH	1116	1116			
35100700	AGGREGATE BASE COURSE, TYPE A B"	SQ YD	353	353		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	24210	24210			
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	896	896		51201600	FURNISHING STEEL PILES HP12X53	FOOT	660	660			
35800100	PREPARATION OF BASE	SQ YD	214	214		51202305	DRIVING PILES	FOOT	660	660			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	353	353		51204650	PILE SHOES	EACH	12	12			
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	174	174		51205200	TEMPORARY SHEET PILING	SQ FT	866	866			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.5	0.5		51500100	NAME PLATES	EACH	1	1			
40600300	AGGREGATE (PRIME COAT)	TON	2	2		52100520	ANCHOR BOLTS, 1"	EACH	24	24			
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	45	45		54200637	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 12"	FOOT	47	47			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	187	187		5421A018	PIPE CULVERTS, CLASS A, TYPE 1 18" (TEMPORARY)	FOOT	191	191			
40600990	TEMPORARY RAMP	SQ YD	31	31		5421A036	PIPE CULVERTS, CLASS A, TYPE 1 36" (TEMPORARY)	FOOT	296	296			
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	677	677		542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	42	42			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	137	137		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	56	56			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	14	14		60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	170	170			
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	214	214		60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1	1			
<del>42001200</del>	<del>PAVEMENT FABRIC</del>	<del>SQ YD</del>	<del>214</del>	<del>214</del>		60602800	CONCRETE GUTTER, TYPE B	FOOT	155	155			
42001300	PROTECTIVE COAT	SQ YD	494	491		*63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	412.5	412.5			

\*SPECIALTY ITEMS

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\manntm\dms51935\p1n82	206a.dgn	DRAWN -	REVISED -			325	3BR-2	JERSEY	90	3
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 76B01				
PLOT DATE = 12/11/2008	DATE -	REVISED -				SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT

Rev.

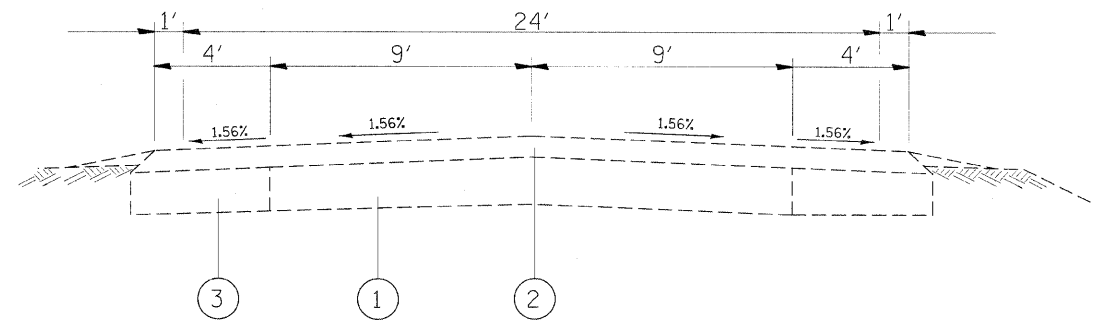
# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		X071-24 20% STATE 80% FED		CODE NO	ITEM	UNIT		X071-24 20% STATE 80% FED	
*63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		X7200200	WIDE LOAD SIGNING	L SUM	1	1	
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3		Z0030280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2	2	
*63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1		Z0030360	IMPACT ATTENUATORS, RELOCATE (SEVERE USE), TEST LEVEL 3	EACH	2	2	
63200310	GUARDRAIL REMOVAL	FOOT	788	788		X0325445	RIGHT-OF-WAY AND PROPERTY CORNERS	EACH	1	1	
66500105	WOVEN WIRE FENCE, 4'	FOOT	638	638		Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	22	22	
66502300	WOVEN WIRE FENCE REMOVAL	FOOT	598	598							
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	8	8							
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9							
67100100	MOBILIZATION	L SUM	1	1							
70100400	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1							
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1							
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	2	2							
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1							
70106700	TEMPORARY RUMBLE STRIP	EACH	24	24							
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	87	87							
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6396	6396							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	21.7	21.7							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	225	225							
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	225	225							
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2928	2928							
*78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	540	540							
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	9	9							
*78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	2	2							
*78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16							
*78200530	BARRIER WALL MARKERS, TYPE C	EACH	8	8							
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4							
78300100	PAVEMENT MARKING REMOVAL	SQ FT	651	651							
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11	11							
X0324840	DISKING	ACRE	0.2	0.2							
X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	6	6							

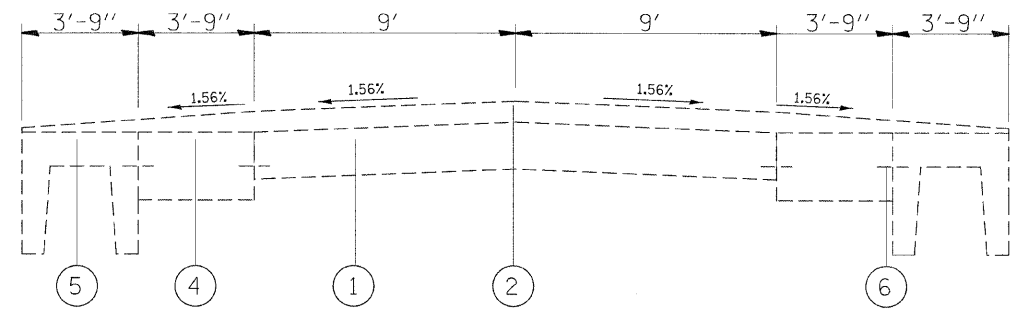
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PLOT SCALE = 50.0000' / IN.						SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.					
PLOT DATE = 12/11/2008						FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					

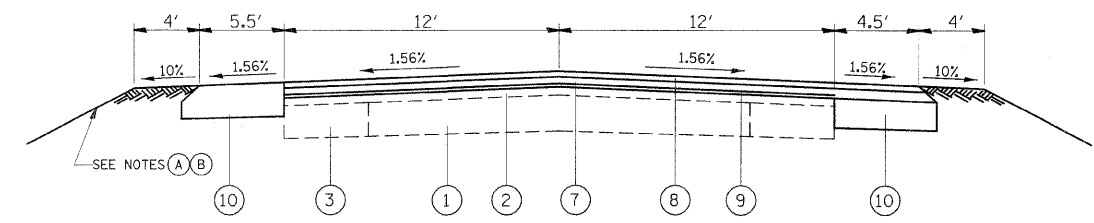
Ray



EXISTING TYPICAL-APPR. RDWY.  
STATION 115+89.50 TO STATION 119+35.65  
STATION 120+19.65 TO STATION 123+02.25

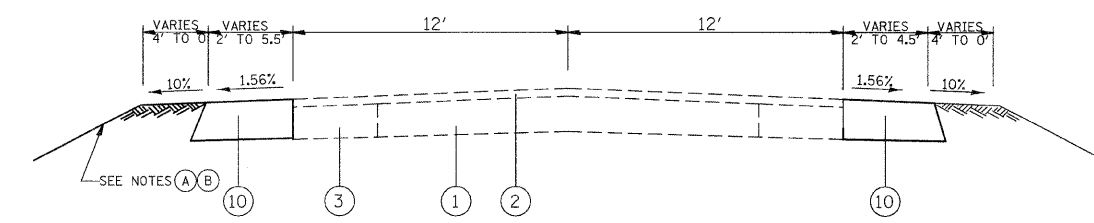


EXISTING BRIDGE APPROACH PAVEMENT



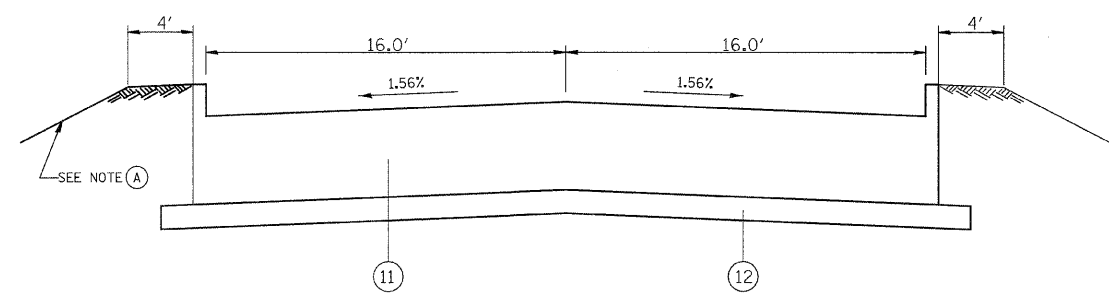
PROPOSED TYPICAL-APPR. RDWY.  
STATION 117+00.00 TO STATION 119+10.50  
STATION 120+45.50 TO STATION 122+75.00

NOTE (A) -SEE CROSS SECTIONS FOR SIDESLOPES  
NOTE (B) -GUTTER FROM STATION 123+02.25 LEFT TO STATION 124+56.50 LEFT



PROPOSED TYPICAL-APPR. RDWY.  
STATION 115+89.50 TO STATION 117+00.00  
STATION 122+75.00 TO STATION 124+56.50

NOTE (A) -SEE CROSS SECTIONS FOR SIDESLOPES  
NOTE (B) -GUTTER FROM STATION 123+02.25 LEFT TO STATION 124+56.50 LEFT



BRIDGE APPR. PAVT.  
STATION 119+10.50 TO STATION 119+46.50  
STATION 120+09.50 TO STATION 120+45.50

NOTE (A) -SEE CROSS SECTIONS FOR SIDESLOPES  
NOTE (A) -SEE CROSS SECTIONS FOR SIDESLOPES

### LEGEND

- ① EXISTING PCC PAVEMENT - 8"
- ② EXISTING HOT-MIX ASPHALT RESURFACING - 3"
- ③ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING - 8"
- ④ EXISTING PCC PAVEMENT - 10"
- ⑤ EXISTING PRECAST CONCRETE SLAB
- ⑥ EXISTING EXPANSION BOLTS
- ⑦ PROPOSED HMA BINDER CSE - 1" AND VARIES
- ⑧ PROPOSED HMA SURFACE COURSE - 1 1/2"
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), N70 - 3/4"
- ⑩ PROPOSED HMA BASE CSE WIDENING - 10"
- ⑪ PROPOSED BRIDGE APPROACH PAVEMENT
- ⑫ PROPOSED SUBBASE GRANULAR MAT'L., TYPE A, - 4"

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pvt\work\pwsdot\inonm\tdms51935\p1n82206a.dgn		DRAWN -	REVISED -			325	3BR-2	JERSEY	90	5
PLOT SCALE = 50.0000' / 1"		CHECKED -	REVISED -			CONTRACT NO. 76B01				
PLOT DATE = 12/11/2008		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

SIDEROAD RESURFACING SCHEDULE

	AGGREGATE FOR TEMPORARY ACCESS (TON)	INCIDENTAL HMA SURFACING (TON)	PREPARATION OF BASE (SQ YD)	AGGREGATE BASE CSE. TYPE A-8" (SQ YD)	COMMENT
LONE STAR ROAD	29.6	14.0	214	214	(1) USED DURING TEMP ENTRANCE CONSTRUCTION
TEMPORARY SIDEROAD	144.8				
TOTAL	174	14	214	214	

PIPE CULVERT SCHEDULE

STATIONING	LT/RT OFFSET	18" PIPE CULVERT TYPE 1, CL A FEET	12" CMP PIPE CULVERT FEET	18" TEMP. PIPE CULV. TY 1, CL A FEET	PIPE CULVERT REMOVAL FEET	36" TEMP. PIPE CULV. TY 1, CL A FEET	COMMENTS
118+58.38	29.8' LT			68			HAUL ROAD
120+97.64	27.3' LT			68			HAUL ROAD
119+71.95	41.7' RT			68		296	HAUL ROAD
120+69.09	132.2' RT		47.0		32		LONE STAR ROAD
120+74.92	32.4' RT	42.0			79		LONE STAR ROAD
121+49.74	25.2' RT			55			TEMP SR
TOTAL		42	47	191	111	296	

GUARDRAIL SCHEDULE

STATIONING	STATIONING	LT/RT	SPBGR TY A FEET	TBT-TY1 SPECIAL EACH	TBT-TY 6 EACH	TEMP. TBT-T SPECIAL EACH	GR MRKRS-TA EACH	TERMINAL MRKR DIRECT APPL. EACH	GUARDRAIL REMOVAL FEET
117+15.90	TO 119+56.50	RT	137.50	1	1		4	1	219
117+15.90	TO 119+56.50	LT	137.50	1	1		4	1	219
119+98.65	TO 120+57.40	LT		1	1		4	1	94
119+98.65	TO 122+39.64	RT	137.50	1	1		4	1	256
116+98.50		RT					1		
117+98.50		RT					1		
118+69.50		RT					1		
120+87.00		RT					1		
121+62.00		RT					1		
122+62.00		RT					1		
TOTAL			412.50	4	4	6	16	4	788

IL 16 PAVING SCHEDULE

	BIT. MATERIALS PRIME COAT (TON)	AGGREGATE PRIME COAT (TON)	HMA SURF. CSE MIX "D", N70 (TON)	HMA BIND. CSE IL-19.0, N70 (TON)	LEVELING BIND. (MACH) N70 (TON)	HMA BASE COURSE WIDENING-10" (SQ YD)
115+89.50 TO 117+00.00	0.0	0.0	0	00	0	86
117+00.00 TO 123+00.00	.5	2.0	137	677	45	667
123+00.00 TO 124+56.50	0.0	0.0	0	0	0	143
	.5	2.0	137	677	45	896

REMOVAL SCHEDULE

STATIONING	PAVEMENT REMOVAL (SQ YD)	DRIVEWAY PAVT. REM (SQ YD)	PAVED SHLDR. REMOVAL (SQ YD)	COMMENTS
115+60.00 TO 117+00.00			31.0	
117+00.00 TO 119+35.65	61.5		52.4	
119+35.65 TO 119+56.65	75.0			
119+98.65 TO 120+19.65	75.0			
120+19.65 TO 123+00.00	61.5	35.0	62.4	REMOVAL ON SIDEROAD
123+00.00 TO 124+06.00			23.2	
TOTAL	387.0	35.0	170.0	

RR3 SCHEDULE FOR APPR. PAVEMENT DRAINAGE

STATIONING	STONE RIPRAP CLASS A3 TON	*STONE RIPRAP CLASS A1 (BED. MAT'L) SQ YD	FILTER FABRIC SQ YD
119+10.5 (LT)	4.7	9.3	9.3
119+10.5 (RT)	6.8	13.5	13.5
120+45.5 (LT)	6.2	12.4	12.4
120+45.5 (RT)	5.7	11.3	11.3
HAUL ROAD	242.7		578.4
TOTAL	266.1	46.5	624.9
ROUNDED TOTAL	266.0	47	625.0

\*INCLUDED IN THE COST OF STONE RIPRAP CLASS A3

FENCE REMOVAL SCHEDULE

STATIONING	WOVEN WIRE FENCE REMOVAL (FOOT)
115+60.00 TO 117+00.00	153
117+00.00 TO 119+46.00	260
119+46.00 TO 119+55.50	190
TOTAL	598

ROW MARKERS

STATIONING	OFFSET	FURN. AND ERECT. ROW MARKERS EACH
115+59.37	46.31' RT	1
115+59.28	28.69' LT	1
117+00.00	28.90' LT	1
119+00.15	44.07' LT	1
121+00.00	29.41' LT	1
123+99.93	29.63' LT	1
124+00.00	30.37' RT	1
123+00.00	45.48' RT	1
TOTAL		8

HMA BINDER CSE THICKNESS SCHEDULE

STATIONING	THICKNESS (INCH)
117+00.00 TO *117+75.00	0 TO 2.46
*117+75.00 TO 119+00.00	2.46 TO 8.79
119+00.00 TO 119+10.50	8.79 TO 8.99
120+45.50 TO 120+50.00	7.22 TO 7.11
120+50.00 TO *122+00.00	7.11 TO 1.86
*122+00.00 TO 122+75.00	1.86 TO 0

\*LEVELING BINDER ENDS

FENCE SCHEDULE

STATION	WOVEN WIRE FENCE-4' (FOOT)
115+59.00 45' RT TO 117+00.00 45' RT	154
117+00.00 45' RT TO 119+33.00 45' RT	247
117+16.00 29' LT TO 119+00.00 43' LT	190
119+00.00 43' LT TO 119+52.00 43' LT	52
TOTAL	638

SETTING PROPERTY CORNERS

STATIONING	OFFSET	SETTING PROPERTY CORNERS EACH
119+26.66	45.90' RT	1

SETTING PROPERTY CORNERS

STATIONING	OFFSET	SETTING PROPERTY CORNERS EACH
119+26.66	45.90' RT	1

PERMANENT SURVEY MARKERS

STATIONING	OFFSET	SETTING PROPERTY CORNERS EACH
115+00.00	CL	1
125+00.00	CL	1
TOTAL		2

PERMANENT SURVEY MARKERS

STATIONING	OFFSET	SETTING PROPERTY CORNERS EACH
115+00.00	CL	1
125+00.00	CL	1
TOTAL		2

TREE REMOVAL SCHEDULE

STATIONING	LT/RT	OFFSET	6 TO 15 UNITS IN DIAMETER UNIT	OVER 15 UNITS IN DIAMETER UNIT	COMMENTS
117+63.1		29.3 RT	8		
117+77.5		28.7 RT	8		
117+80.5		28.9 RT	10		
117+88.7		29.3 RT	10		
118+00.0		28.6 RT	8		
118+05.2		29.5 RT	14		
118+14.8		30.0 LT	10		
118+23.9		28.5 RT	8		
118+62.7		31.5 RT	6		
118+90.8		27.9 RT	12		
118+89.6		31.5 LT	6		
119+12.6		43.1 LT	6		
119+18.2		31.0 RT	12		
119+18.6		42.8 LT	14		
119+23.7		32.3 LT	14		
119+25.2		41.9 LT		36	
119+32.3		43.0 LT	12		
119+35.2		43.0 RT	10		
119+36.0		34.5 RT	8		
119+36.8		43.0 LT	6		
119+37.9		36.7 RT		20	
119+41.9		30.5 RT	6		
119+44.8		40.0 RT	8		
119+44.8		40.3 RT	6		
119+50.0		32.9 RT	24		3 @ 8" DIA
119+52.3		38.2 LT	6		
119+56.9		38.0 RT	12		
119+58.8		28.9 RT	6		
119+60.3		35.4 LT	8		
119+60.3		35.7 LT	6		
119+62.4		32.4 RT	20		2 @ 10' DIA
119+69.7		35.1 LT		30	
119+69.7		35.5 LT	6		
119+88.0		34.7 RT	6		
119+90.3		95.7 LT		18	
119+91.7		41.4 RT	6		
119+92.4		50.0 LT	6		
120+02.2		32.7 RT	8		
120+04.1		31.9 RT	8		
120+11.1		38.9 RT	10		
120+17.1		39.0 RT	6		
120+38.8		37.3 RT	8		
TOTAL			348	104	

HAULROAD EARTHWORK SCHEDULE

STATIONING	EARTH EXCAVATION CUBIC YARD	EARTH EX ADJUSTED FOR SHRINKAGE CUBIC YARD	EMBANKMENT CUBIC YARD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CUBIC YARD
0+40 to 1+80	46.15	34.61	82.20	-47.58
2+20 to 3+40	182.02	170.58	5.23	165.35
TOTALS	228.17	205.20	87.43	117.77

PAVEMENT MARKING SCHEDULE

STATION	THERMOPLASTIC PAVEMENT MARKING LINE-4" (FOOT)		POLYUREA PAVEMENT MARKING LINE-4" (FOOT)		SHORT TERM PAVEMENT MARKING (FOOT)	RAISED RELECTIVE PAVEMENT MARKERS (EACH)	RAISED RELECTIVE PAVT. MRKS. (BRIDGE) (EACH)	RAISED RELECTIVE PAVT. MRK. REMOVAL (EACH)	PAVEMENT MARKING REMOVAL (SQ FT)	WORK ZONE PAVEMENT MRK. REM. (SQ FT)
	SOLID WHITE	SOLID YELLOW	SOLID WHITE	SOLID YELLOW						
	TO	TO	TO	TO						
115+89.50	TO	117+00.00	221	221		11.1	1	1	82.9	2.8
117+00.00	TO	119+10.50	421	421		21.1	3	3	157.9	5.3
119+10.50	TO	120+45.50			270	13.5		2	101.3	3.4
120+45.50	TO	123+00.00	509	509		25.5	3	3	190.9	6.4
123+00.00	TO	124+56.50	313	313		15.7	2	2	117.4	3.9
SUBTOTAL			1464	1464	270	86.9	9	11	650.4	22
TOTAL			2928		540	87	9	11	651	21.7

CHANNEL EARTHWORK SCHEDULE

STA	to	STA	UNADJUSTED CHANNEL EXCAVATION (CU YD)	CHANNEL EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
+0.00	to	+10.00	56.5	42.4	0.0	42.4
+10.00	to	+20.00	61.5	46.1	0	46.1
+20.00	to	+29.47	68.4	51.3	0	51.3
+29.47	to	+39.47	90.9	68.2	0	68.2
+39.47	to	+47.07	82.4	61.8	0	61.8
+47.07	to	+57.07	109.7	82.3	0	82.3
+57.07	to	+63.11	61.5	46.1	0	46.1
+63.11	to	+70.00	59.7	44.8	0	44.8
+70.00	to	+80.00	71.3	53.5	0	53.5
+80.00	to	+90.00	52.1	39.1	0	39.1
+90.00	to	+100.00	30	22.5	0	22.5
+100.00	to	+110.00	11.8	8.9	0	8.9
TOTAL =			755.8	567.0	0.0	567.0
ROUNDED TOTAL =			755	565	0	565

LONE STAR ROAD EARTHWORK SCHEDULE

STA	to	STA	UNADJUSTED EXCAVATION (CU YD)	EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
+0.00	to	+16.03	0.0	0.0	0.0	0.0
+16.03	to	+25.00	2	1.5	0.8	0.7
+25.00	to	+50.00	12.4	9.3	12.8	-3.5
+50.00	to	+75.00	13.3	10	12.2	-2.2
+75.00	to	+100.00	13	9.8	3.2	6.6
+100.00	to	+110.00	2.6	2	0.6	1.4
+110.00	to	+120.00	0	0	0	0
TOTAL =			43.3	32.6	29.6	3.0
ROUNDED TOTAL =			45	35	30	5

MAINLINE EARTHWORK SCHEDULE

STA	to	STA	UNADJUSTED EXCAVATION (CU YD)	EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
115+50.00	to	116+00.00	0.0	0.0	5.3	-5.3
116+00.00	to	116+50.00	9.3	7	31.2	-24.2
116+50.00	to	117+00.00	11.1	8.3	46.1	-37.8
117+00.00	to	117+50.00	11.4	8.6	48.6	-40
117+50.00	to	118+00.00	10.5	7.9	56.3	-48.4
118+00.00	to	118+50.00	8.7	6.5	56.1	-49.6
118+50.00	to	119+00.00	7.6	0	74.6	-74.6
119+00.00	to	119+47.75	3.7	2.8	44.3	-41.5
119+47.75	to	120+09.50	0	0	0	0
120+09.50	to	120+25.00	5.9	4.4	11.9	-7.5
120+25.00	to	121+00.00	53.3	40	90.9	-45.9
121+00.00	to	121+50.00	31.6	23.7	25.5	-1.8
121+50.00	to	122+00.00	25.7	19.3	12.7	6.6
122+00.00	to	122+50.00	22.4	0	9.4	-9.4
122+50.00	to	123+00.00	19.6	14.7	4.6	10.1
123+00.00	to	123+50.00	0	0	1.6	-1.6
123+50.00	to	124+00.00	37.4	28.1	0.3	27.8
124+00.00	to	124+50.00	30.7	23	0	23
124+50.00	to	125+00.00	9.1	6.8	0	6.8
TOTAL =			298.0	201.1	514.4	-313.3
ROUNDED TOTAL =			300	200	515	-315

TEMPORARY ENTRANCE EARTHWORK SCHEDULE

STA	to	STA	UNADJUSTED EXCAVATION (CU YD)	EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
+25.00	to	+50.00	12.3	9.2	3.6	5.6
+50.00	to	+75.00	11.4	8.6	3.6	5
+75.00	to	+100.00	12.4	9.3	2.5	6.8
+100.00	to	+109.21	4.2	3.2	0.2	3
+109.21	to	+129.83	5.7	4.3	1.5	2.8
+129.83	to	+150.00	4	3	2.9	0.1
+150.00	to	+175.00	5.3	0	2.8	-2.8
+175.00	to	+200.00	4.6	3.5	0.8	2.7
+200.00	to	+201.00	0	0	0	0
+201.00	to	+210.00	0	0	0	0
TOTAL =			59.9	41.1	17.9	23.2
ROUNDED TOTAL =			60	40	20	20

SEEDING CLASS 2 SCHEDULE

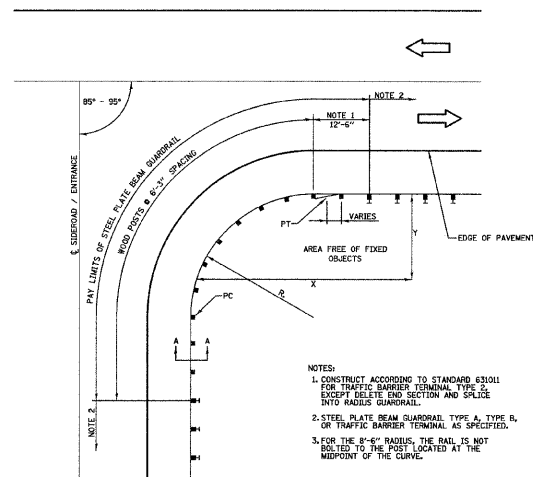
STATIONING			SEEDING CL 2 - LEFT (ACRE)	SEEDING CL 2 - RIGHT (ACRE)	MULCH TYPE II (ACRE)	NITROGEN FERT. NUTR. (POUND)	PHOPHOROUS FERT. NUTR. (POUND)	POTASSIUM FERT. NUTR. (POUND)
115+00.00	TO	117+00.00	0.01	0.03	0.04	3.79	3.79	3.79
117+00.00	TO	123+00.00	0.20	0.31	0.51	50.75	50.75	50.75
123+00.00	TO	124+50.00	0.03	0.01	0.04	4.14	4.14	4.14
LONE STAR ROAD			0.07	0.22	0.29	28.86	28.86	28.86
TOTAL			0.31	0.57	0.88	87.53	87.53	87.53
ROUNDED TOTAL			0.9		0.9	90.0	90.0	90.0

EROSION CONTROL SEEDING SCHEDULE - STG 2

STATIONING			TEMP EROS. CONTR. SEED (ACRE)	MULCH TYPE II (ACRE)
115+00.00	TO	117+00.00	0.01	0.01
117+00.00	TO	123+00.00	0.20	0.20
123+00.00	TO	124+50.00	0.03	0.03
HAUL ROAD			0.16	0.16
TEMP ENTRANCE			0.14	0.14
TOTAL			0.54	0.54
ROUNDED TOTAL			0.6	0.6

EROSION CONTROL SEEDING SCHEDULE - STG 1

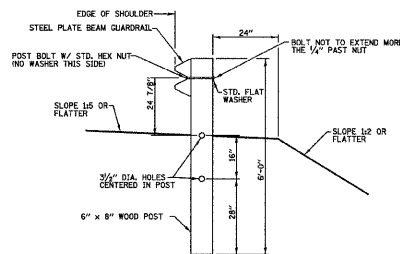
STATIONING			TEMP EROS. CONTR. SEED (ACRE)	MULCH TYPE II (ACRE)
115+00.00	TO	117+00.00	0.06	0.06
117+00.00	TO	123+00.00	0.31	0.31
123+00.00	TO	124+50.00	0.01	0.01
HAUL ROAD			0.16	0.16
TEMP ENTRANCE			0.14	0.14
TOTAL			0.68	0.68
ROUNDED TOTAL			0.7	0.7



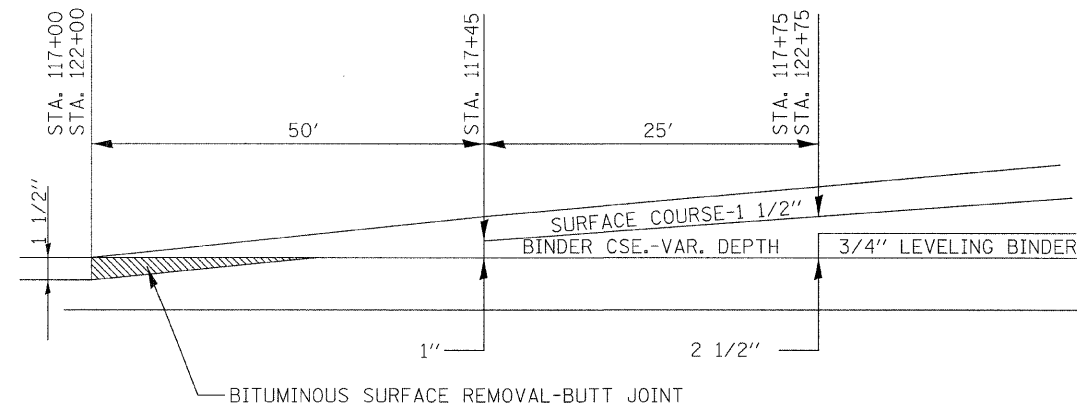
PLAN VIEW SHORT RADIUS GUARDRAIL DETAIL

NOT TO SCALE

INSTALLATION CHARACTERISTICS PER DESIGN RADIUS			
R	NO. OF WOOD POSTS	X	Y
8'-6"	(NOTE 3)	25'	15'
17'-0"	6	30'	15'
25'-6"	8	40'	20'
35'-0"	11	50'	20'



SECTION A-A  
NOT TO SCALE



BUTT JOINT DETAIL

PLAN VIEW SHORT RADIUS GUARDRAIL DETAIL

FILE NAME =	USER NAME = manrta	DESIGNED -	REVISED -
c:\pwwork\pwsdot\manrta\dms51935\pln02096a.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/11/2000	DATE -	REVISED -

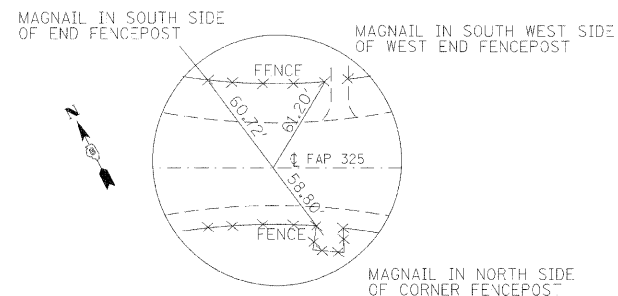
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

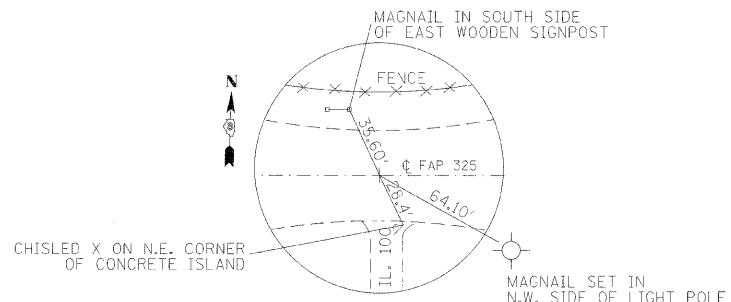
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	8
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 [ILLINOIS] FED. AID PROJECT				





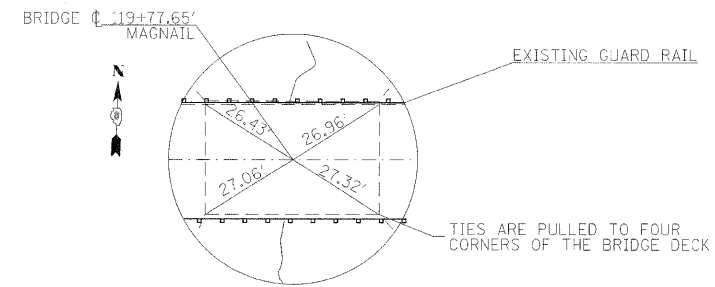
ALL TIES ARE TAPERED  
DIRECT MEASUREMENTS  
STA. 108+07.97

STATIONING IS APPROXIMATELY  
450' WEST OF RT 100



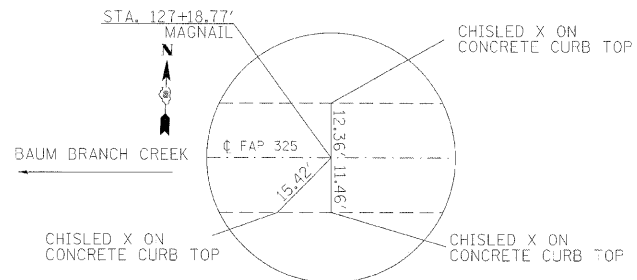
P.I. STA. 112+81.53  
MAGNAIL

ALL TIES ARE TAPERED  
DIRECT MEASUREMENTS



S.N. 042-0006  
BAUM BRANCH CREEK  
BRIDGE STA. 119+77.65

NOTE:  
ALL TIES ARE TAPERED  
DIRECT NTC



STA. 127+18.77  
MAG NAIL

NOTE:  
ALL TIES ARE TAPERED  
DIRECT NTC

SITE BENCH MARKS

BM 303  
EL. = 451.895  
APPROX. STA. = 120+50.75' LT.  
IL 16

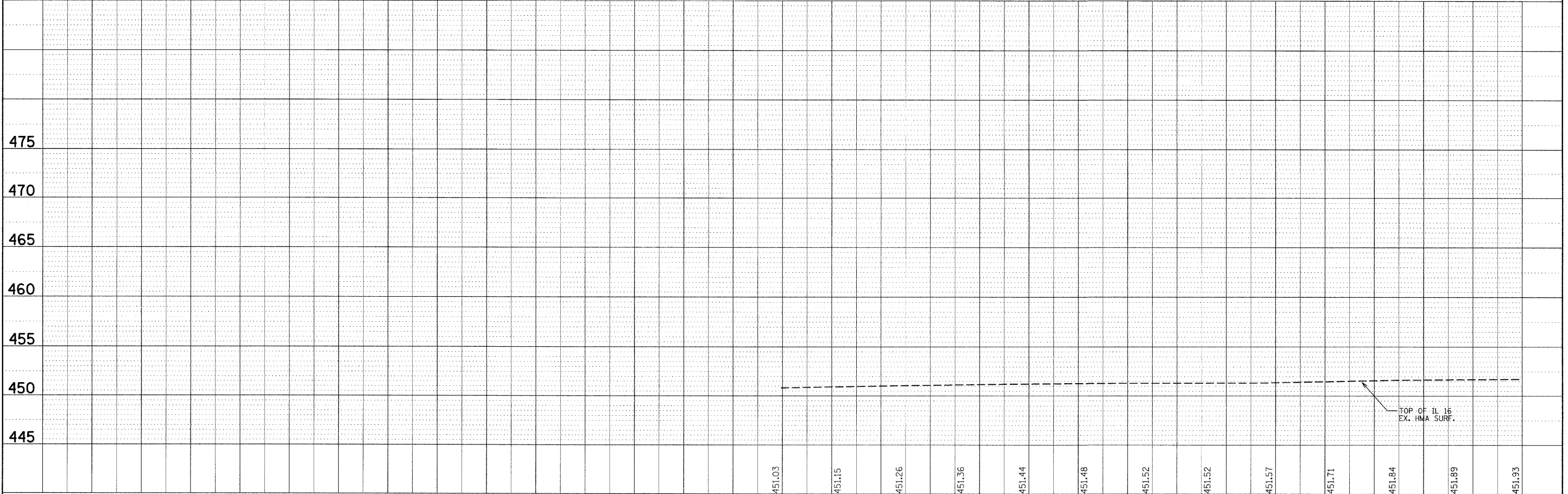
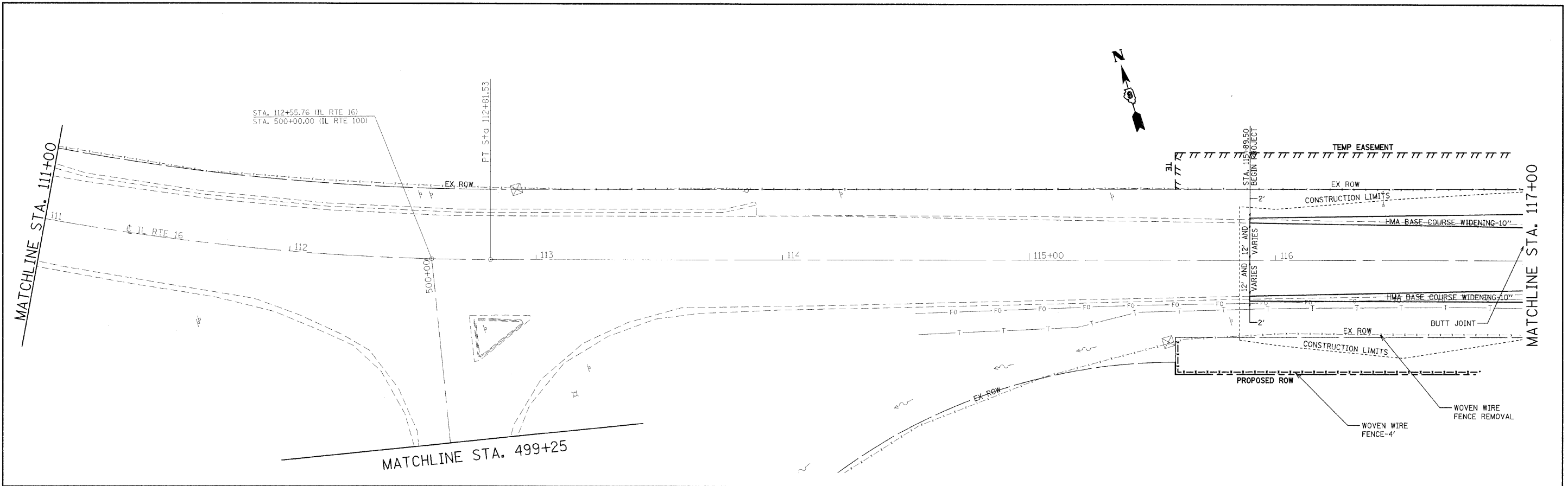
BM U241 RESET  
EL. = 441.433  
APPROX. STA. / OFFSET =  
504+08.20' RT.  
ON IL RT. 100

BENCH MARK  
RR SPIKE DRIVEN 14" ABOVE GROUND IN SOUTH SIDE OF POWER POLE, 100'  
N.E. OF RT 16

FILE NAME =	USER NAME = mannta	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TIE POINTS &amp; BENCH MARKS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76B01							
PLOT DATE = 12/11/2008		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PLAN  
 SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 PLOTTED BY \_\_\_\_\_  
 ALIGNED CHECKED \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 CAD FILE NAME \_\_\_\_\_

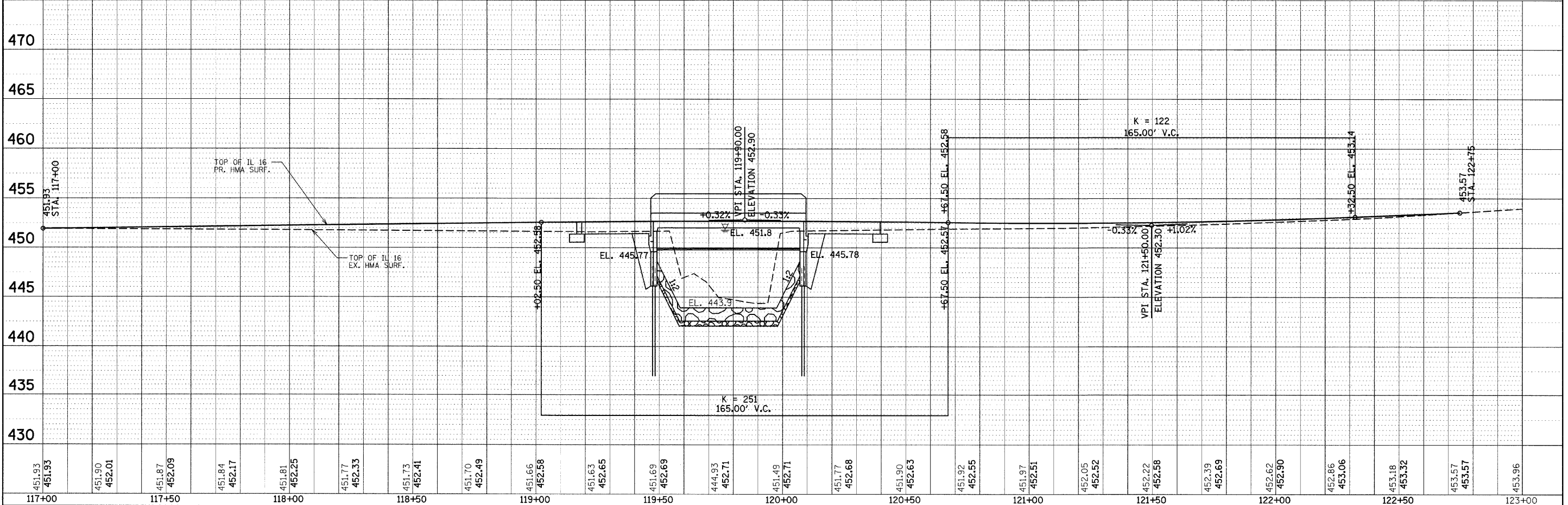
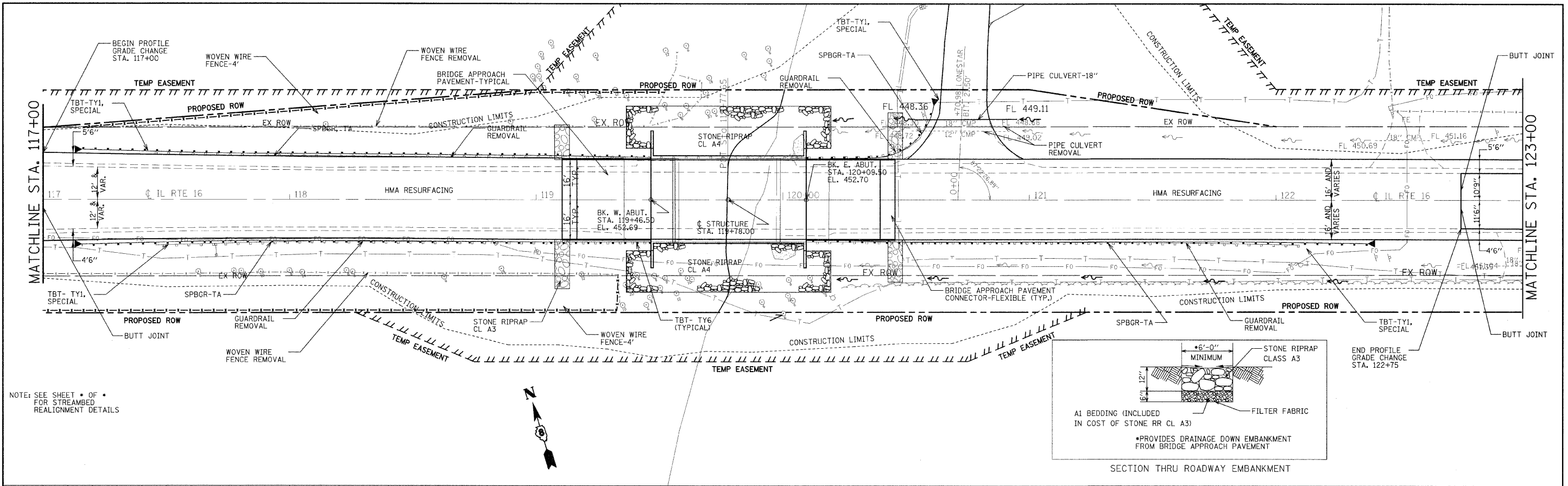
PROFILE  
 SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 PLOTTED BY \_\_\_\_\_  
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 NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATION CHKD \_\_\_\_\_



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 16 PLAN AND PROFILE</b>		F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 10	
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	PLOT DATE = 12/11/2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	



451.93	451.93	451.90	452.01	451.87	452.09	451.84	452.17	451.81	452.25	451.77	452.33	451.73	452.41	451.70	452.49	451.66	452.58	451.63	452.65	451.69	452.69	444.93	452.71	451.49	452.71	451.77	452.68	451.90	452.63	451.92	452.55	451.97	452.51	452.05	452.52	452.22	452.58	452.39	452.69	452.62	452.90	452.86	453.06	453.18	453.32	453.57	453.57	453.96
117+00				117+50				118+00				118+50				119+00				119+50				120+00				120+50				121+00				121+50				122+00				122+50				123+00

FILE NAME	USER NAME	DESIGNED	REVISED
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PLOT DATE			
12/11/2008			

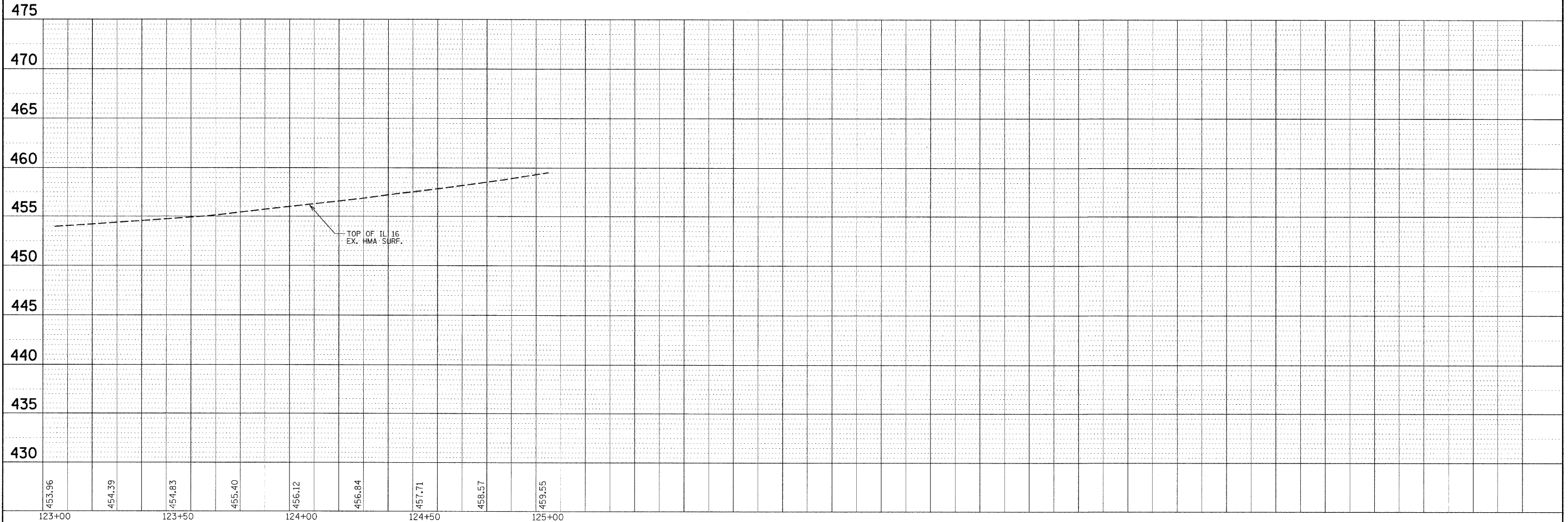
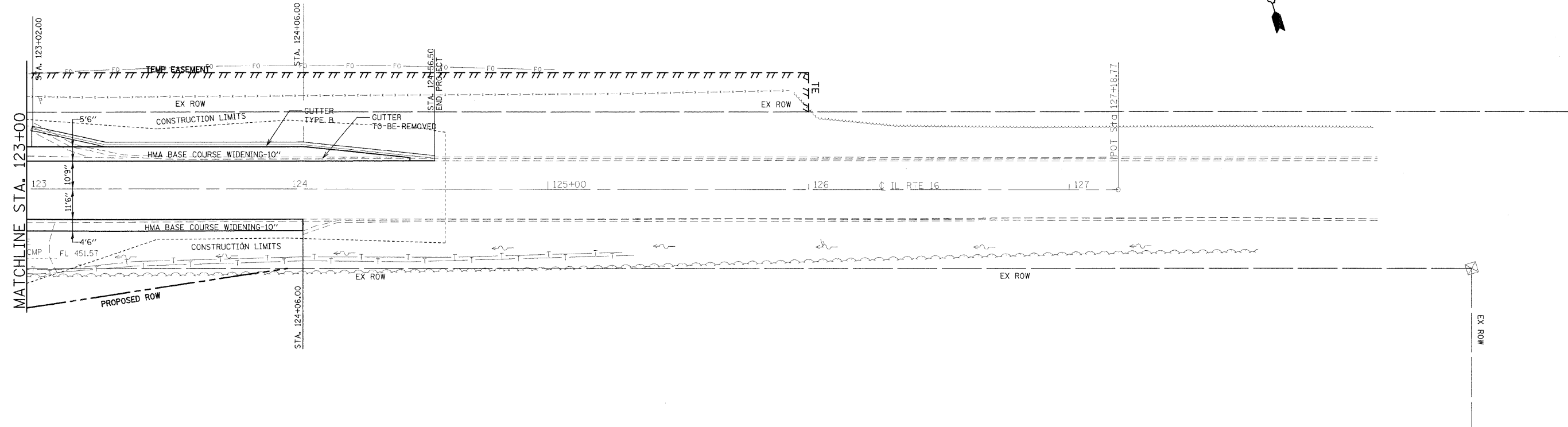
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 16 PLAN AND PROFILE
SCALE: SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 11
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 (ILLINOIS) FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	CADD FILE NAME	
	NO.	

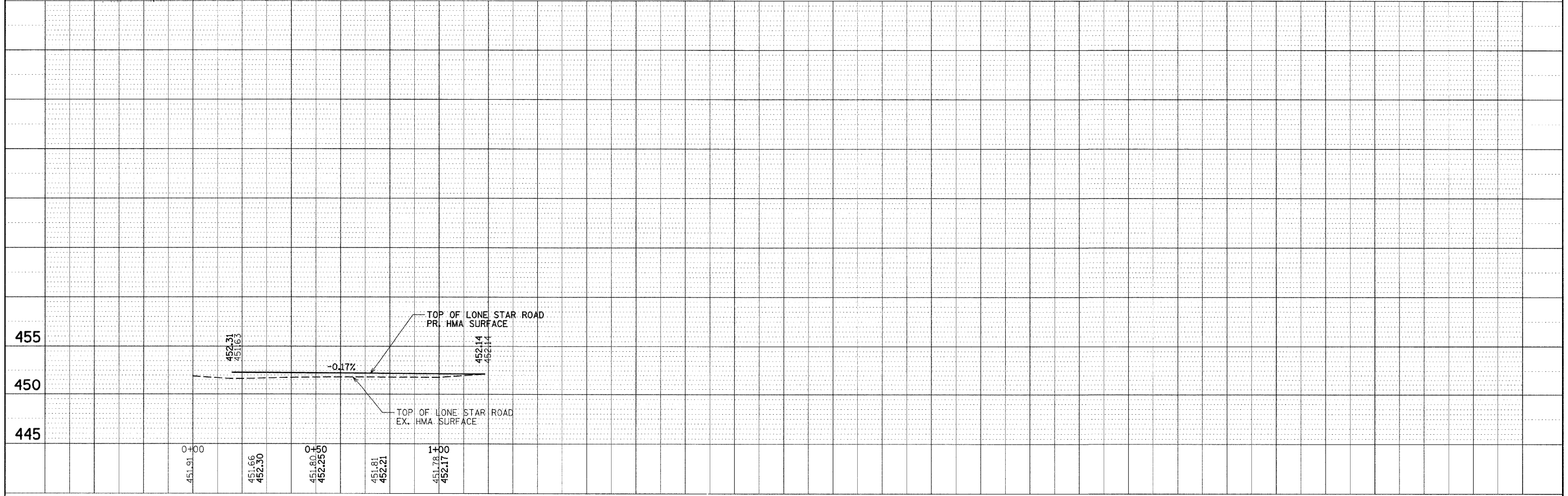
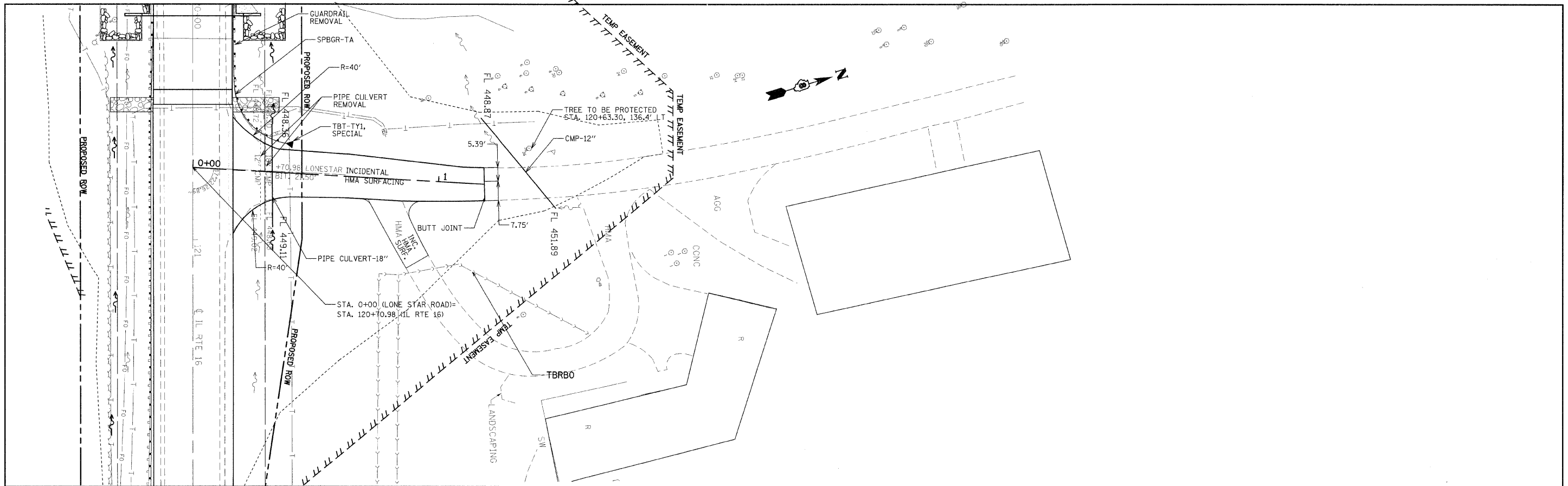
PROFILE	SUBMITTED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	STRUCTURE NOTATION CHKD	
	NO.	



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 16 PLAN AND PROFILE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/11/2006		DATE -	REVISED -			FED. ROAD DIST. NO. 8 (ILLINOIS) FED. AID PROJECT				
					SCALE:	SHEET NO. 3 OF 5 SHEETS		STA.	TO STA.	

DATE	BY	SUBMITTED	CHECKED
		ALIGNED	AS BUILT
		NOTE BOOK	CADD FILE NAME
		NO.	

DATE	BY	SUBMITTED	CHECKED
		GRADES	STRUCTURE
		NOTE BOOK	NOTATIONS
		NO.	CHFD



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

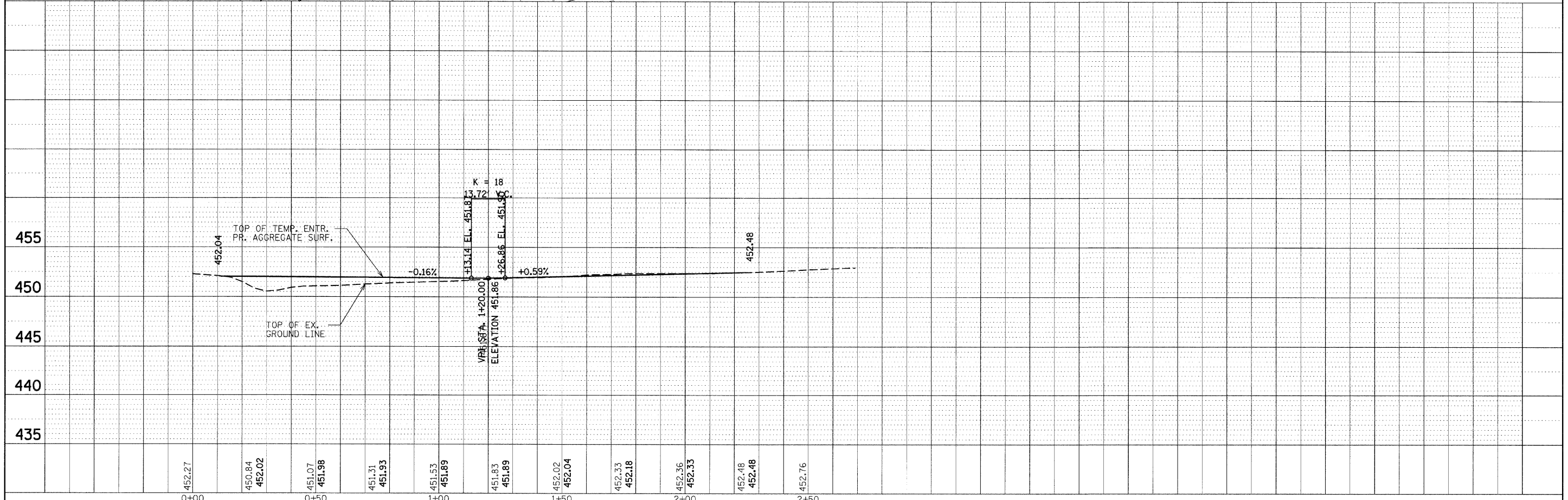
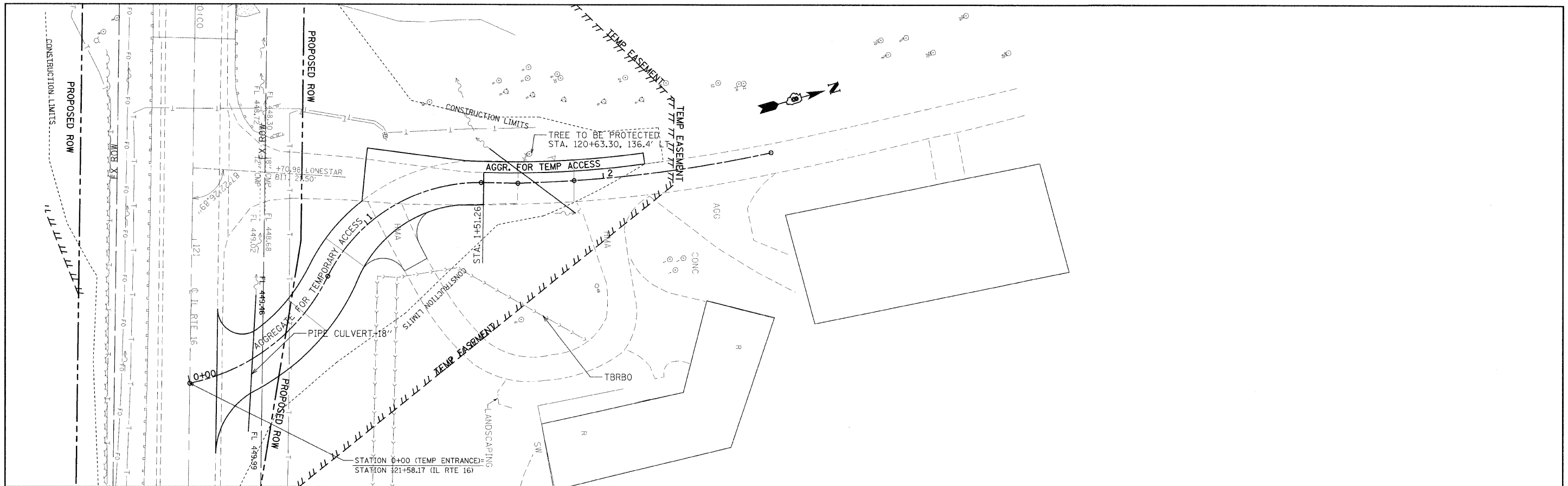
**LONE STAR ROAD  
 PLAN AND PROFILE**

SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	13
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 [ILLINOIS] FED. AID PROJECT				

PLAN	CONVERTED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	GRADE CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



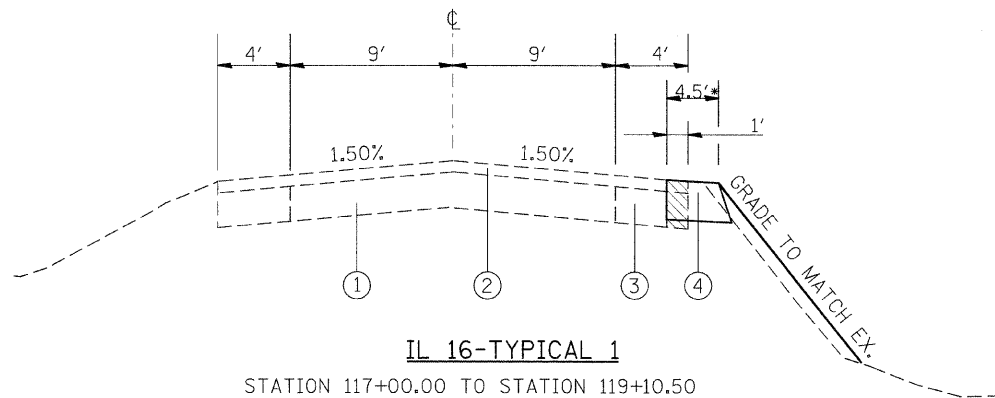
FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>TEMPORARY ENTRANCE</b> <b>PLAN AND PROFILE</b></p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pvidot\manntm\dms5\935\pln22886a.dgn	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -			325	3BR-2	JERSEY	90	14	
PLOT DATE = 12/11/2008	DATE -	CHECKED -	REVISED -			CONTRACT NO. 76B01					
		DATE -	REVISED -			FED. ROAD DIST. NO. 8 (ILLINOIS) FED. AID PROJECT					

SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

**SUGGESTED SEQUENCE OF CONSTRUCTION:**

**PRESTAGE CONSTRUCTION**

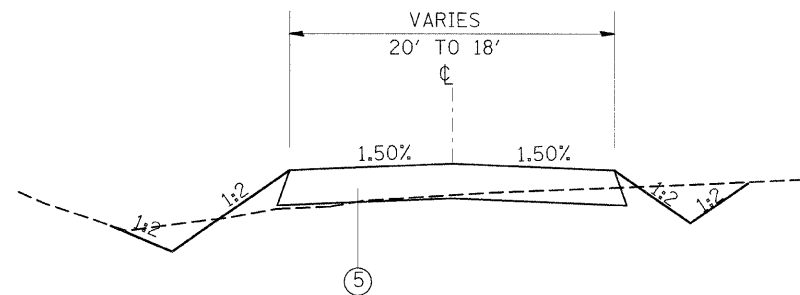
1. PRESTAGE CONSTRUCTION SHALL CONSIST OF CONSTRUCTING THE 4.5' WIDENING ON THE SOUTH SIDE OF THE PAVEMENT, CONSTRUCTING THE TEMPORARY SIDEROAD (LONE STAR ROAD), CONSTRUCTING THE HAUL ROAD, REALIGNMENT OF THE STREAMBED TO THE LIMITS SHOWN, TEMPORARY GUARDRAIL PLACEMENT AND ANY TREE REMOVAL REQUIRED FOR THIS PROJECT.
2. THE PROPOSED WIDENING SHALL INCLUDE PLACING EARTH EXCAVATION AGAINST WIDENING TO DRAIN. THE WIDENING SHALL CONSIST OF HOT-MIX ASPHALT BINDER COURSE-10", THE HAUL ROAD SHALL CONSIST OF 12" OF SURFACE AGGREGATE AND THE TEMPORARY SIDEROAD SHALL CONSIST OF 9" OF AGGREGATE FOR TEMPORARY ACCESS. (SEE HAUL ROAD TYPICALS SHEET \* OF \*)
3. TRAFFIC CONTROL FOR THIS WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701326. ONE LANE OF TRAFFIC IN BOTH DIRECTIONS SHALL BE OPEN TO TRAFFIC AT ALL TIMES DURING THE PRESTAGE CONSTRUCTION. ANY ADDITIONAL SIGNING OR TRAFFIC CONTROL DEVICES SHOWN ON THE STAGE CONSTRUCTION PLANS SHALL BE CONSIDER AS INCLUDED IN THE APPLICABLE TRAFFIC CONTROL AND PROTECTION STANDARD.
4. THE STATIONING SHOWN FOR TYPICALS 3 AND 4 ARE FROM THE TEMPORARY SIDEROAD STATIONING.
5. FOR HAUL ROAD INFORMATION SEE HAUL ROAD DETAIL SHEETS.



**IL 16-TYPICAL 1**

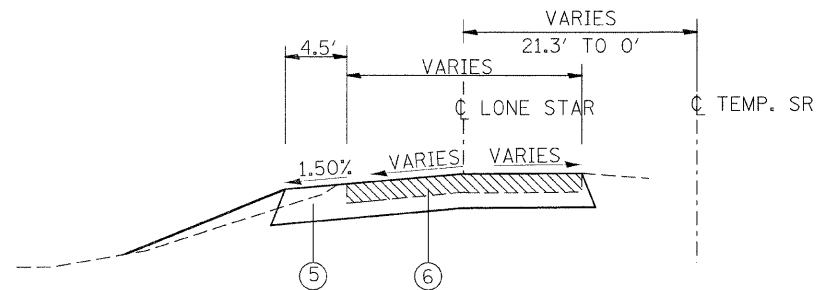
STATION 117+00.00 TO STATION 119+10.50  
STATION 120+45.50 TO STATION 122+75.00

\*WIDENING VARIES FROM 2' TO 4.5'  
STATION 115+89.50 TO STATION 117+00.00  
STATION 122+75.00 TO STATION 124+75.00



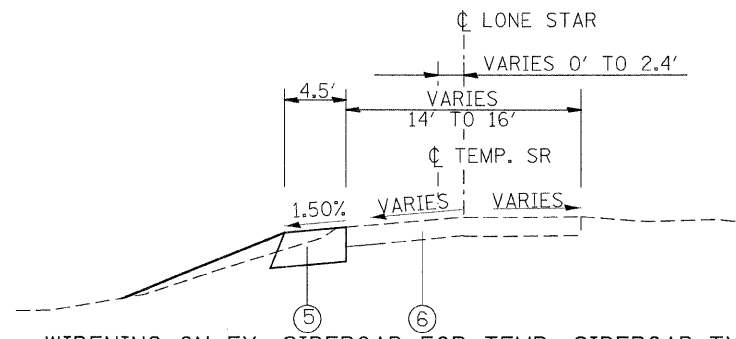
**TEMPORARY SIDEROAD-TYPICAL 2**

STATION 0+73.27 TO STATION 1+50.24 -TRANSITION FROM 20' TO 18'



**CHANGES TO EX. LONE STAR ROAD FOR TEMP. SR CONSTR.-TYPICAL 3**

STATION 0+96.29 TO STATION 1+51.02 (SEE DETAIL)



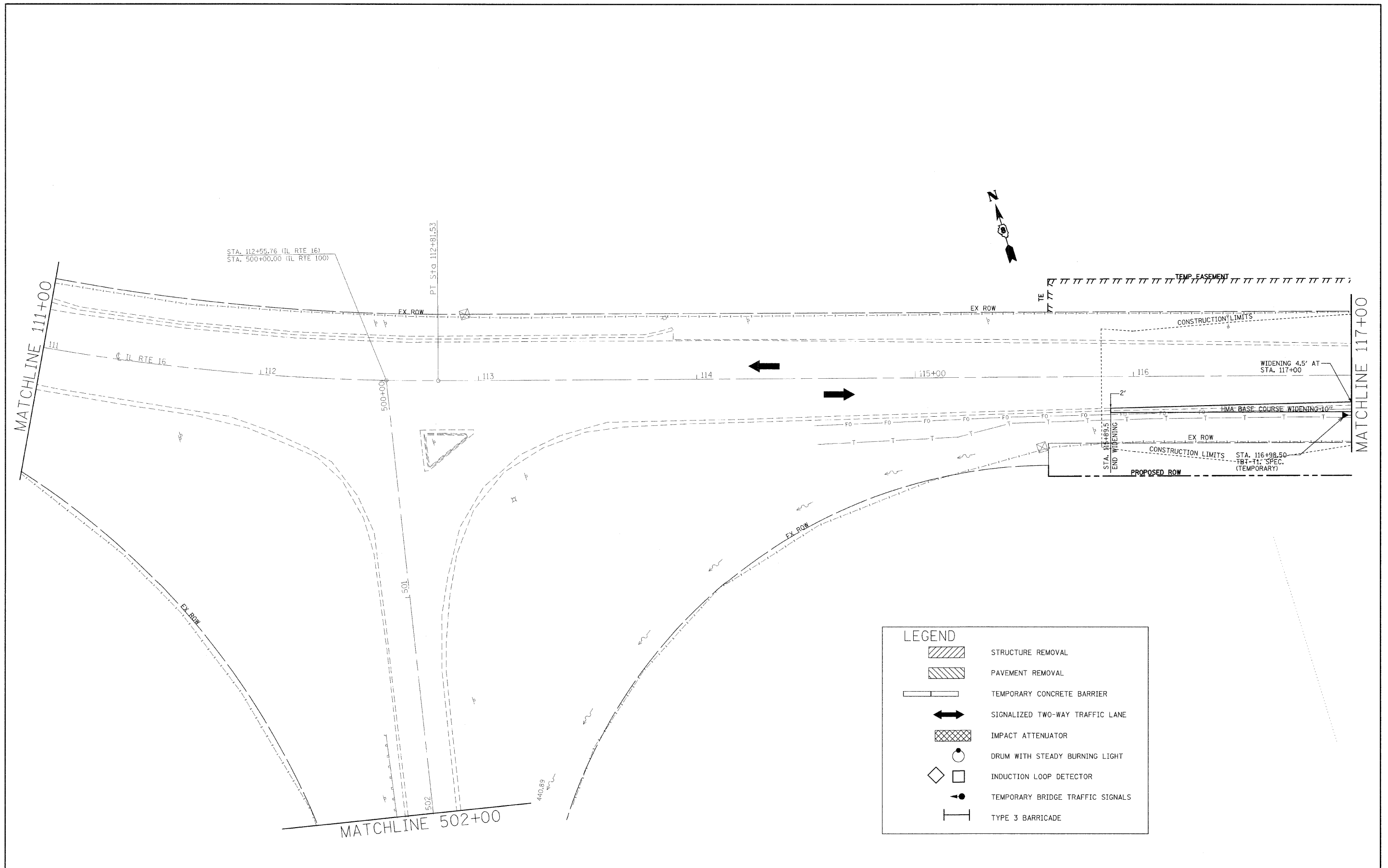
**WIDENING ON EX. SIDEROAD FOR TEMP. SIDEROAD-TYPICAL 4**

STATION 1+51.02 TO STATION 2+14.40

**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING HOT-MIX ASPHALT RESURFACING - 3"
- ③ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING - 8"
- ④ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING - 10"
- ⑤ PROPOSED AGGREGATE FOR TEMPORARY ACCESS-8"
- ⑥ EXISTING LONE STAR (ROAD DEPTH) UNKNOWN-A1 SURFACE

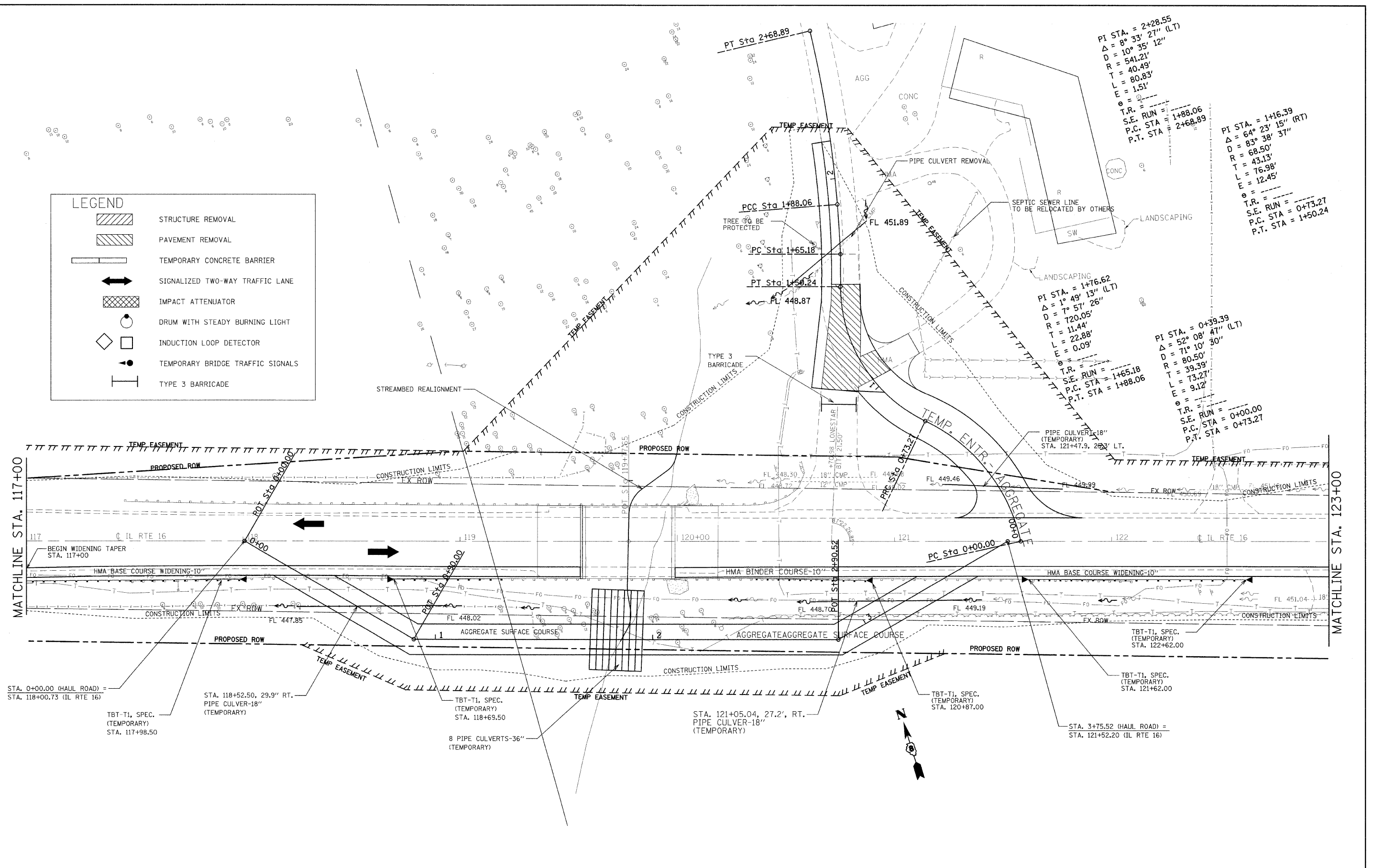
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PLOT SCALE = 20,0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76B01						
PLOT DATE = 12/11/2009		DATE -	REVISED -		SCALE:	SHEET NO. 1 OF 12 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 8 (ILLINOIS) FED. AID PROJECT			





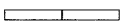







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		CHECKED -	REVISED -		FED. ROAD DIST. NO. 8 [ILLINOIS] FED. AID PROJECT							
		DATE -	REVISED -									

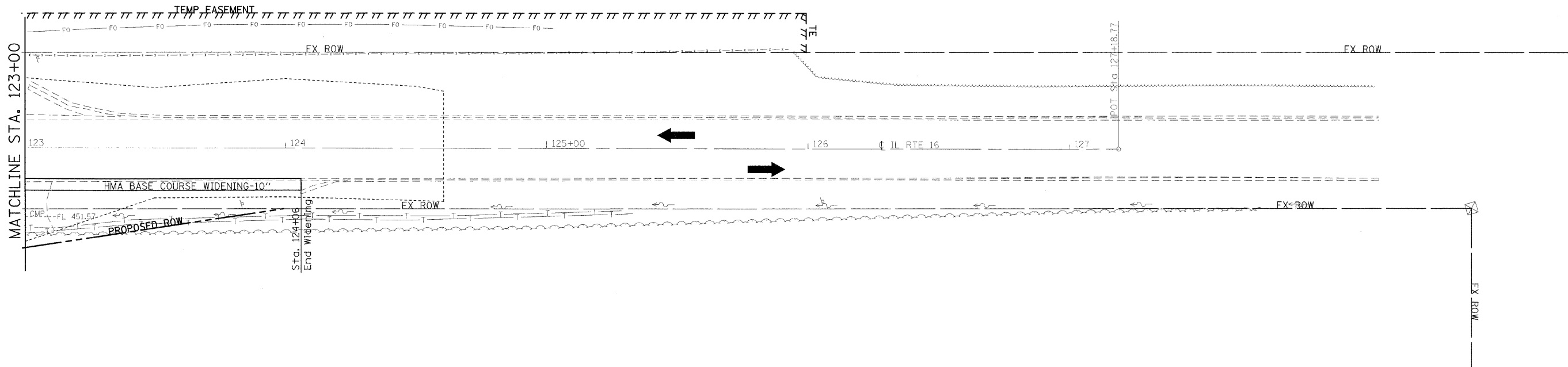


LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE IA CONSTRUCTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / 1" IN.	CHECKED -	REVISED -	CONTRACT NO. 76B01							
PLOT DATE = 12/11/2008	DATE -	REVISED -	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							
			SCALE:			SHEET NO. 3 OF 12 SHEETS	STA. TO STA.			

LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE IA CONSTRUCTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\manntm\dms51935\p1n0206a.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 4 OF 12 SHEETS	STA.	TO STA.	325	3BR-2	JERSEY	90	18
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		DATE -	REVISED -		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT								

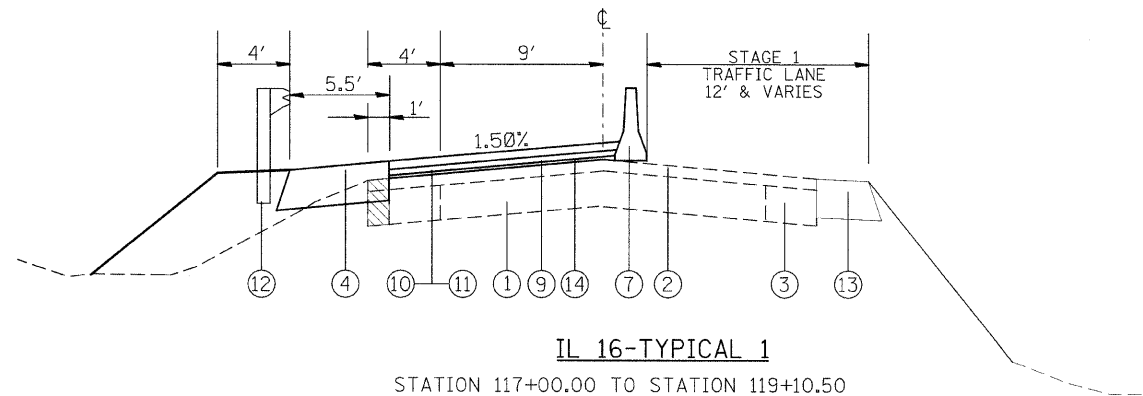
**SUGGESTED SEQUENCE OF CONSTRUCTION:**

**STAGE 1B CONSTRUCTION**

1. STAGE 1B CONSTRUCTION SHALL CONSIST OF CONSTRUCTING THE HMA RESURFACING AND WIDENING TO MEET THE PROPOSED PROFILE, CONSTRUCTING THE PROPOSED STRUCTURE TO THE LIMITS SHOWN, REMOVAL OF ANY PAVEMENT NECESSARY TO COMPLETE THE STRUCTURE REMOVAL, AND PLACING THE PROPOSED SPBGR-TA.
2. THE PROPOSED WIDENING SHALL INCLUDE PLACING EARTH EXCAVATION AGAINST WIDENING TO DRAIN. THE WIDENING SHALL CONSIST OF HOT-MIX ASPHALT BINDER COURSE OF VARIABLE DEPTH AND HMA SURFACE COURSE-1 1/2".
3. THE TEMPORARY SIDEROAD SHALL BE MAINTAINED ACCORDING TO SECTION 402 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND TO THE SATISFACTION OF THE RESIDENT ENGINEER. THE HAUL ROAD WILL BE MAINTAINED ACCORDING TO THE NOTES INCLUDED IN THE HAUL ROAD DETAILS.
4. TRAFFIC CONTROL FOR THIS WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL). ANY ADDITIONAL SIGNING OR TRAFFIC CONTROL DEVICES SHOWN ON THE STAGE CONSTRUCTION PLANS SHALL BE CONSIDERED AS INCLUDED IN THE APPLICABLE TRAFFIC CONTROL AND PROTECTION STANDARD.

**NOTES:**

1. THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER SHALL BE PAINTED WITH TEMPORARY PAVEMENT MARKING "YELLOW". THE COST FOR THIS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.
2. ALL CONFLICTING PAVEMENT MARKING SHALL BE REMOVED PRIOR TO PLACING PAVEMENT MARKING NECESSARY FOR STAGE CONSTRUCTION. THE COST FOR THIS SHALL BE INCLUDED IN THE APPLICABLE TRAFFIC CONTROL AND PROTECTION STANDARD.
3. THE CONTRACTOR WILL NOT BE ALLOWED THE OPTION OF USING SAND MODULE IMPACT ATTENUATORS FOR THIS PROJECT.
4. THIS PROJECT WILL REQUIRE TEMPORARY RUMBLE STRIP.



**IL 16-TYPICAL 1**

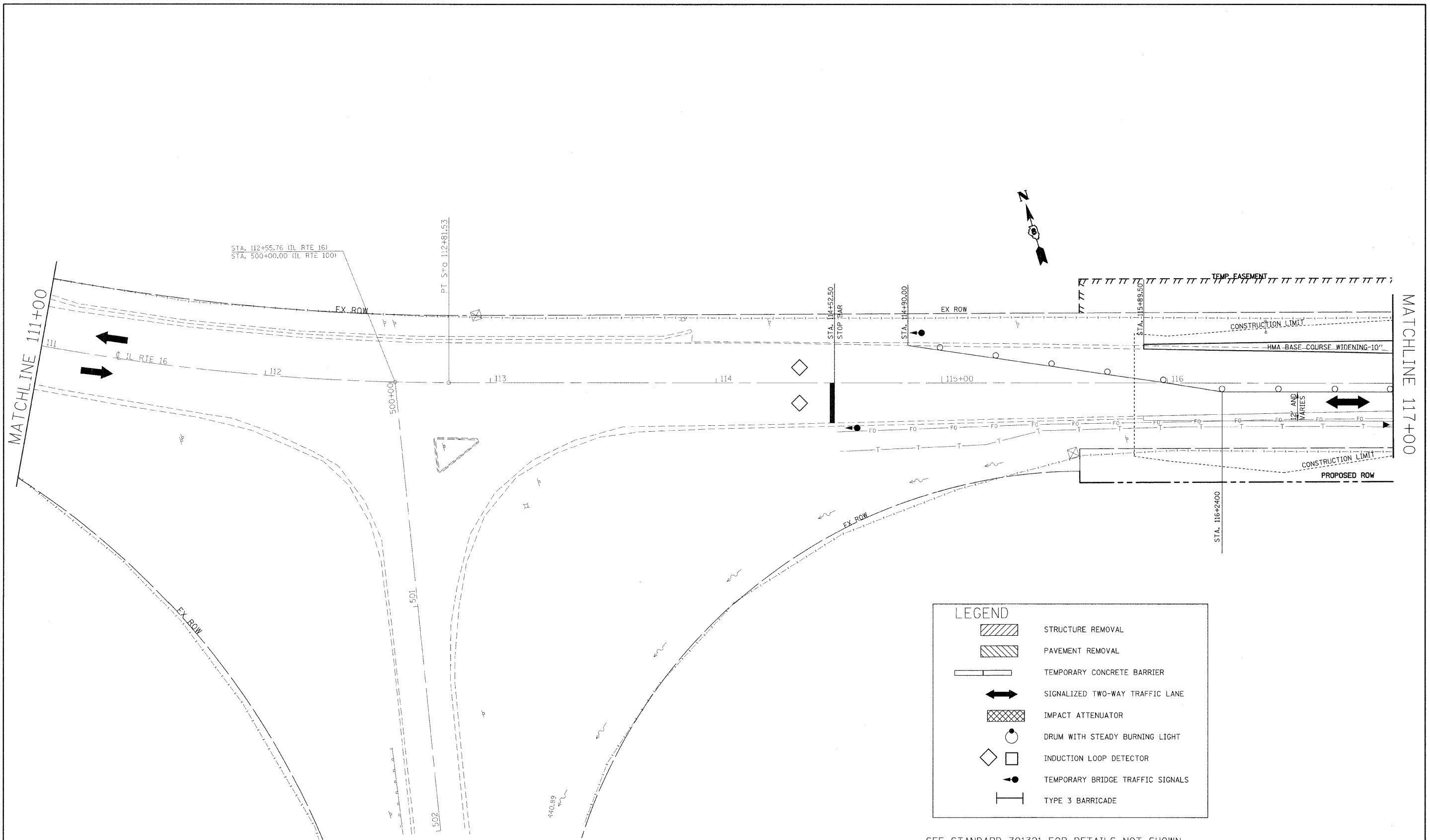
STATION 117+00.00 TO STATION 119+10.50  
 STATION 120+45.50 TO STATION 122+75.00

\*WIDENING VARIES FROM 2' TO 5.5'  
 STATION 115+89.50 TO STATION 117+00.00  
 STATION 122+75.00 TO STATION 124+75.00

**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING HOT-MIX ASPHALT RESURFACING - 3"
- ③ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING - 8"
- ④ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING - 10"
- ⑤ PROPOSED AGGREGATE FOR TEMPORARY ACCESS-9"
- ⑥ EXISTING LONE STAR (ROAD DEPTH UNKNOWN)-A1 SURFACE
- ⑦ TEMPORARY CONCRETE BARRIER
- ⑧ PROPOSED HMA SURFACE COURSE-1 1/2"
- ⑨ PROPOSED HMA BINDER COURSE - 1" AND VARIES
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE PRIME COAT
- ⑫ PROPOSED SPBGR-TA
- ⑬ BASE COURSE WIDENING FROM PREVIOUS STAGE - 10"
- ⑭ PROPOSED LEVELING BINDER (MACHINE METHOD) - 3/4"

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE 1B CONSTRUCTION</b>			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20,0000' / 1" IN.		CHECKED -	REVISED -		<b>CONTRACT NO. 76B01</b>							
PLOT DATE = 12/11/2008		DATE -	REVISED -		SCALE:	SHEET NO. 5 OF 12 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

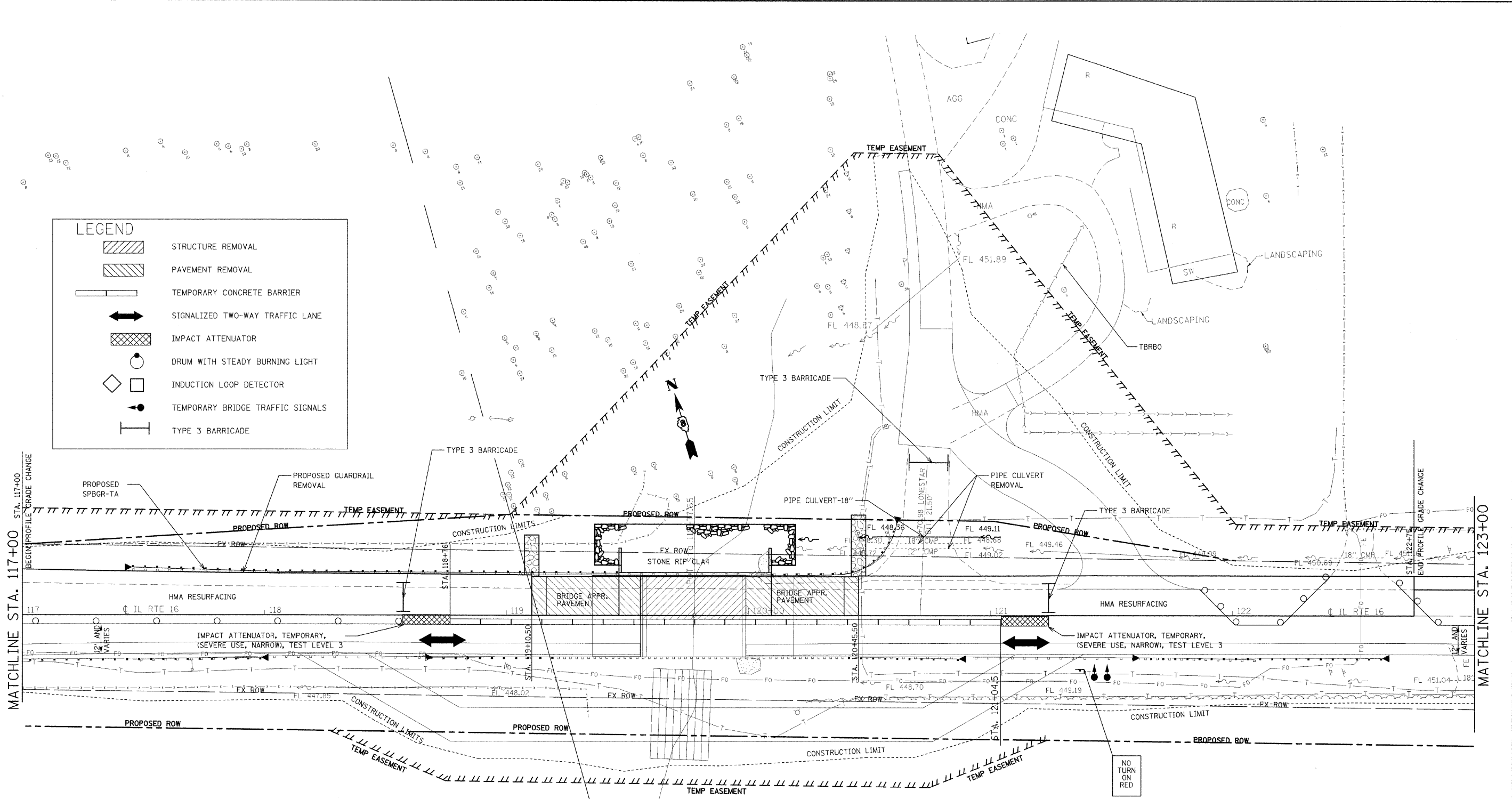


LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE

SEE STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE 1B CONSTRUCTION</b>		F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 20	
ei:\pwork\wisdot\manntm\dms51935\pln0206a.dgn	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. 6 OF 12 SHEETS	STA. TO STA.	CONTRACT NO. 76B01				
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		DATE -	REVISED -									

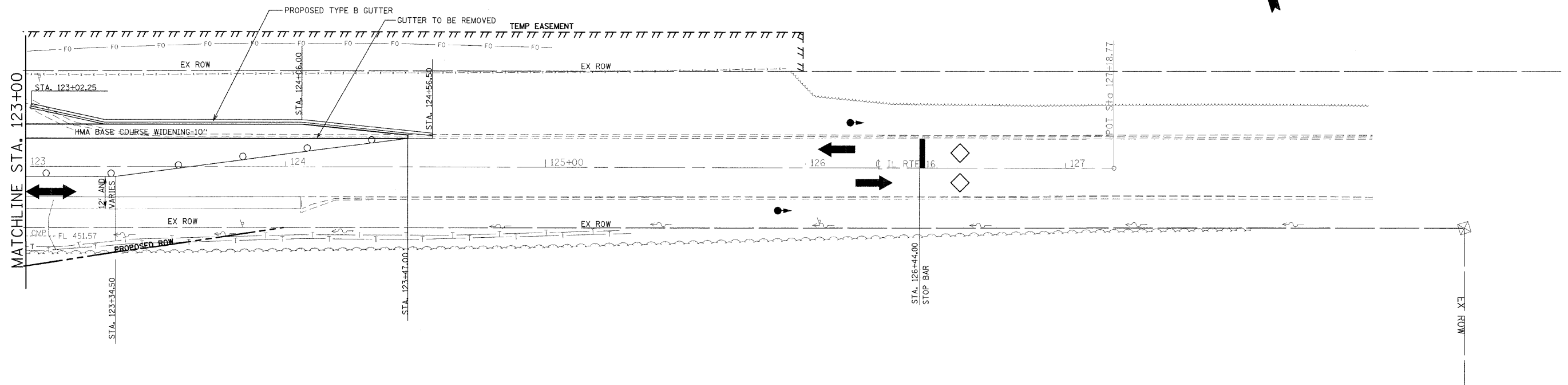
LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE



SEE STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntn	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE 1B CONSTRUCTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwork\manntn\dms51935\p1n02006.dgn	PLOT SCALE = 20.0000' / 1" IN.	DRAWN -	REVISED -			325	3BR-2	JERSEY	90	21	
	PLOT DATE = 12/11/2008	CHECKED -	REVISED -			CONTRACT NO. 76B01					
		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO. 7 OF 12 SHEETS		STA.	TO STA.	

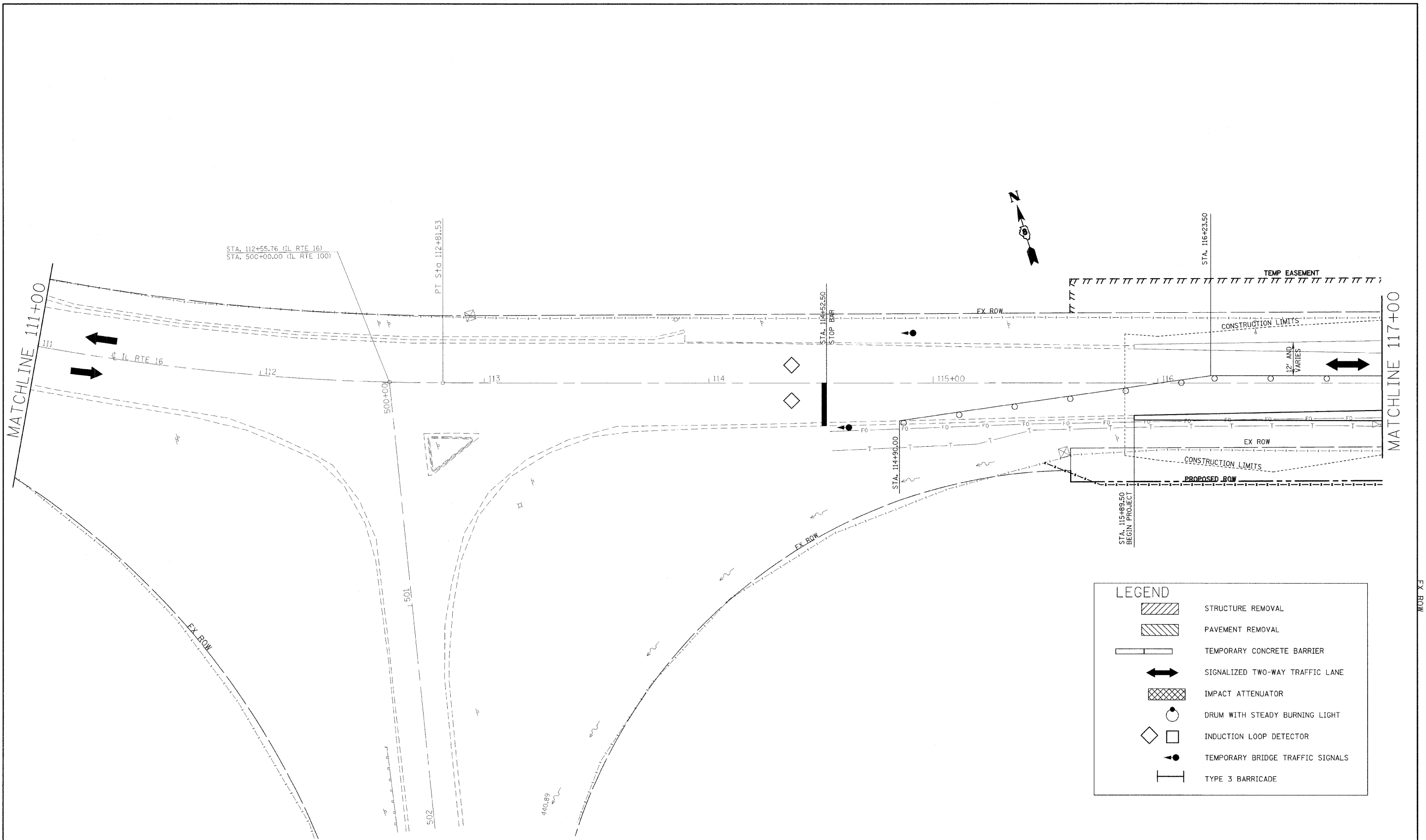
LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE



SEE STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE 1B CONSTRUCTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwdot\manntm\dms51935\p1n8206a.dgn	DRAWN -	REVISED -	325			3BR-2	JERSEY	90	22	
PLOT SCALE = 20.0000' / 1" IN.	CHECKED -	REVISED -	CONTRACT NO. 76B01							
PLOT DATE = 12/11/2008	DATE -	REVISED -	FED. ROAD DIST. NO. 8   ILLINOIS   FED. AID PROJECT							
						SCALE:	SHEET NO. 8 OF 12 SHEETS		STA.	TO STA.





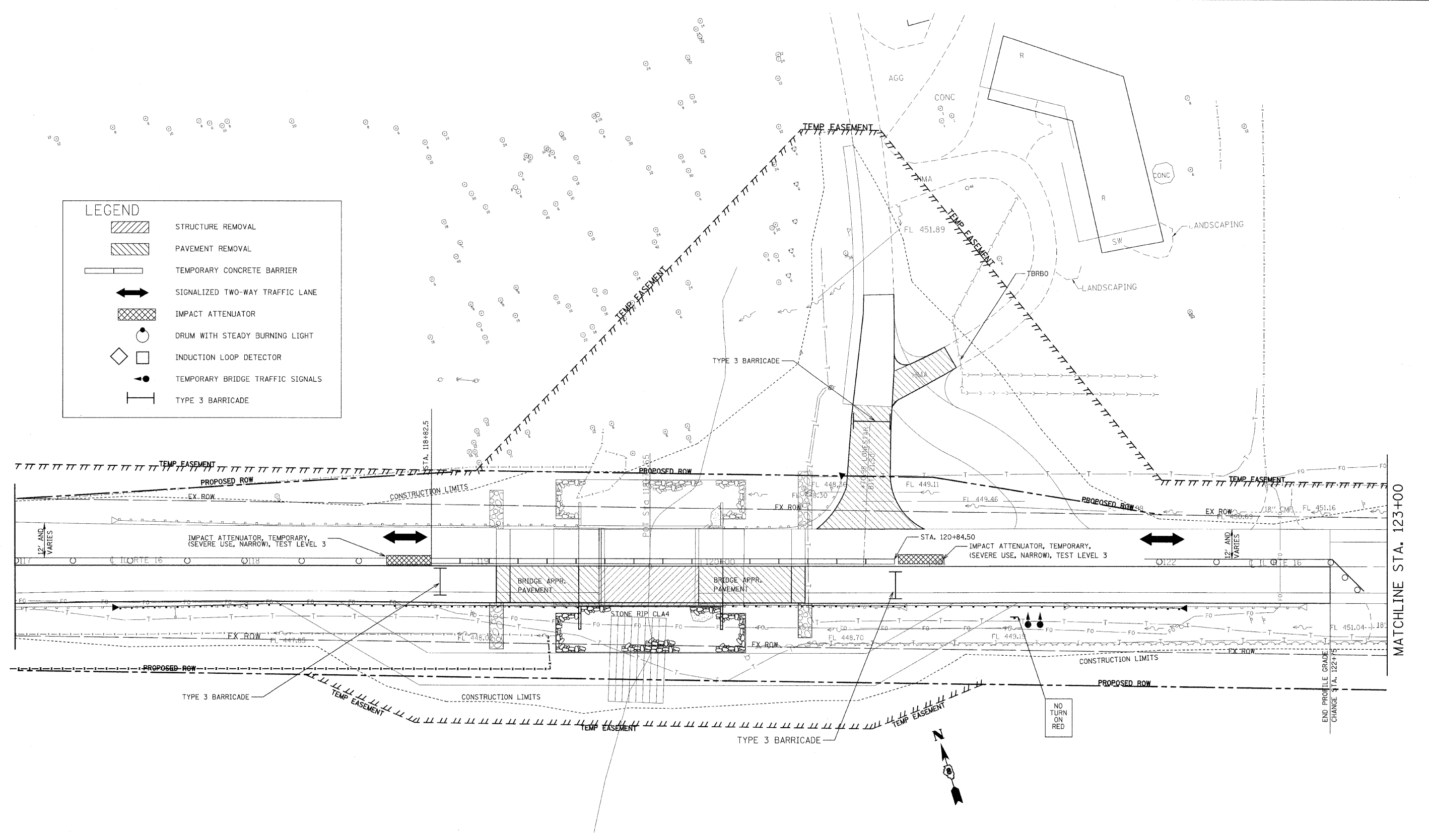
LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE

SEE STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntn	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE II CONSTRUCTION</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\manntn\dms51935\p1n02086a.dgn		DRAWN -	REVISD -		SCALE:	SHEET NO. 10 OF 12 SHEETS	STA.	325	3BR-2	JERSEY	90	24
		CHECKED -	REVISD -		TO STA.			CONTRACT NO. 76B01				
		DATE -	REVISD -		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							



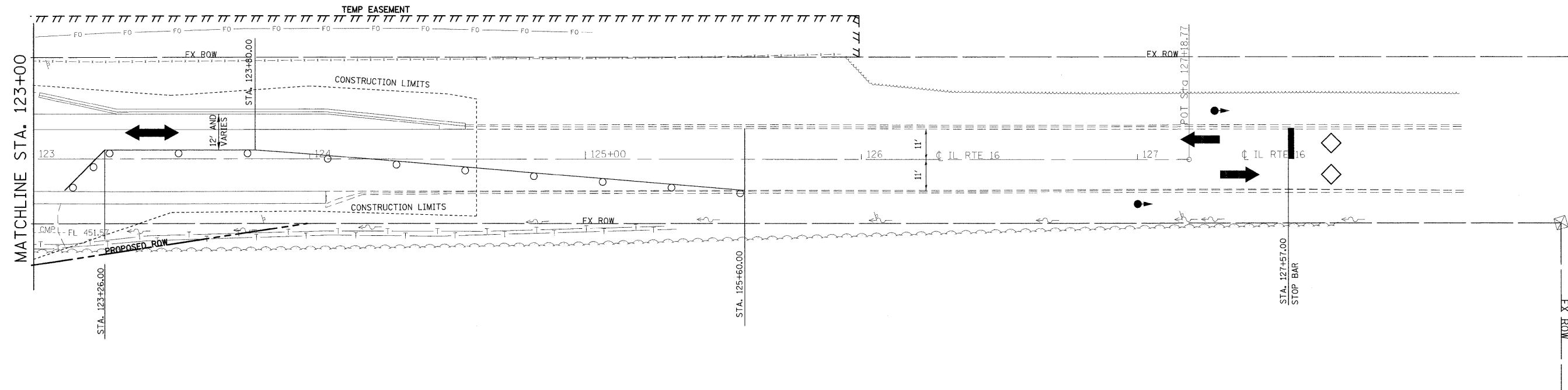
LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE



SEE STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE II CONSTRUCTION</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\dot\manntm\dms3\935\p1h0206.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 11 OF 12 SHEETS	STA.	325	3BR-2	JERSEY	90	25
		CHECKED -	REVISED -				TO STA.	CONTRACT NO. 76B01				
		DATE -	REVISED -		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							

LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE



SEE STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE II CONSTRUCTION</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\px_work\paxdot\manntm\dms51935\pIn0206a.dgn		DRAWN -	REVISED -		325	3BR-2	JERSEY	90	26				
PLOT SCALE = 28.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76B01								
PLOT DATE = 12/11/2008		DATE -	REVISED -		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT								
				SCALE:	SHEET NO. 12 OF 12 SHEETS	STA.	TO STA.						

PART OF THE N 1/2 OF THE SE 1/4 OF SECTION 29, T8N, R13W, OF THE 3RD PM, JERSEY COUNTY, ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	27
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO.		
		76801		

LEGEND

- QUARTER SECTION CORNERS
- SECTION CORNERS
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- FOUND RIGHT OF WAY MARKER
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS
- SAME OWNERSHIP
- EXISTING BUILDING

■ STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

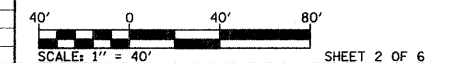
THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND PROVIDED TO THE SURVEYOR. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 12/01/07.

**HSE HUTSON SURVEYING & ENGINEERING, INC.**

120 NORTH WASHINGTON ST.  
BUNKER HILL, ILLINOIS 62014  
PHONE : (618) 585-6150  
DESIGN FIRM NUMBER: 184-004243

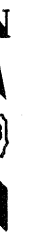
REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
FAP ROUTE 325 (IL 16)  
SECTION 3BR-2  
JERSEY COUNTY  
JOB NO. R-98-012-08



COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 02/01/08  
RIGHT OF WAY STAKING: 07/24/08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
1102 EASTPORT PLAZA DRIVE  
COLLINGSVILLE, ILLINOIS 62234-6198  
SHEET 1 IS A COVER SHEET



COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE		
DESCRIPTION	NORTH	EAST
NW COR, SE 1/4, SEC 29	889487.7297	182916.9244
NE COR, SE 1/4, SEC 29	889479.8089	185567.0167
EX01	889483.7893	184235.2848
CL01	889483.6977	184265.9259
EX02	889483.6060	184296.6079
EX03	888819.1556	184687.8339
EX04	888810.7590	184682.4028
CL02	888844.3454	184704.1273

N 1/2, SE 1/4  
SEC 29-T8N-R13W

N 1/2, SE 1/4  
SEC 29-T8N-R13W

EXISTING ROW LINE PER BK 143, PG 363  
RADIUS = 975.19' (975.6') ARC LENGTH = 1040.62'  
RIGHT OF WAY

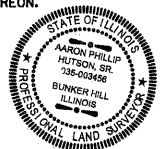
EXISTING ROW LINE PER BK 143, PG 363  
RADIUS = 1035.19' (1035.6') ARC LENGTH = 825.80'  
EXISTING ROW LINE

RIGHT OF WAY CURVE 1  
Δ = 61° 30' 44"  
D = 05° 42' 00" (05°42')  
R = 1,005.19'  
T = 598.17'  
L = 1,079.16'  
E = 164.52'

STATE OF ILLINOIS )  
                          ) SS  
COUNTY OF MACOUPIN )

I, AARON P. HUTSON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 11/26/08  
*Aaron P. Hutson*  
AARON P. HUTSON, PLS NO. 035-3456  
LICENSE EXPIRATION DATE: 11/30/2008



SPACE RESERVED FOR RECORDING OFFICER

PLOT DATE = 11/26/2008  
FILE NAME = J:\2007\039\DOT\PTB 144 Item 43\2007039\1\add\Survey\DOT Sheets\Sheet2.dgn  
DRAWN BY = JPH  
USER NAME = HUTSON

PART OF THE NE 1/4 OF THE SE 1/4 OF SECTION 29, T8N, R13W, OF THE 3RD PM, JERSEY COUNTY, ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		76801		

LEGEND

- QUARTER SECTION CORNERS
- SECTION CORNERS
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS
- SAME OWNERSHIP
- EXISTING BUILDING

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND PROVIDED TO THE SURVEYOR. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 12/01/07.

**HSE** HUTSON SURVEYING & ENGINEERING, INC.

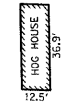
120 NORTH WASHINGTON ST.  
BUNKER HILL, ILLINOIS 62014  
PHONE: (618) 585-6150  
DESIGN FIRM NUMBER: 184-004243

REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
FAP ROUTE 325 (IL 16)  
SECTION 3BR-2  
JERSEY COUNTY  
JOB NO. R-98-012-08  
STATION 115+00 TO STATION 116+50

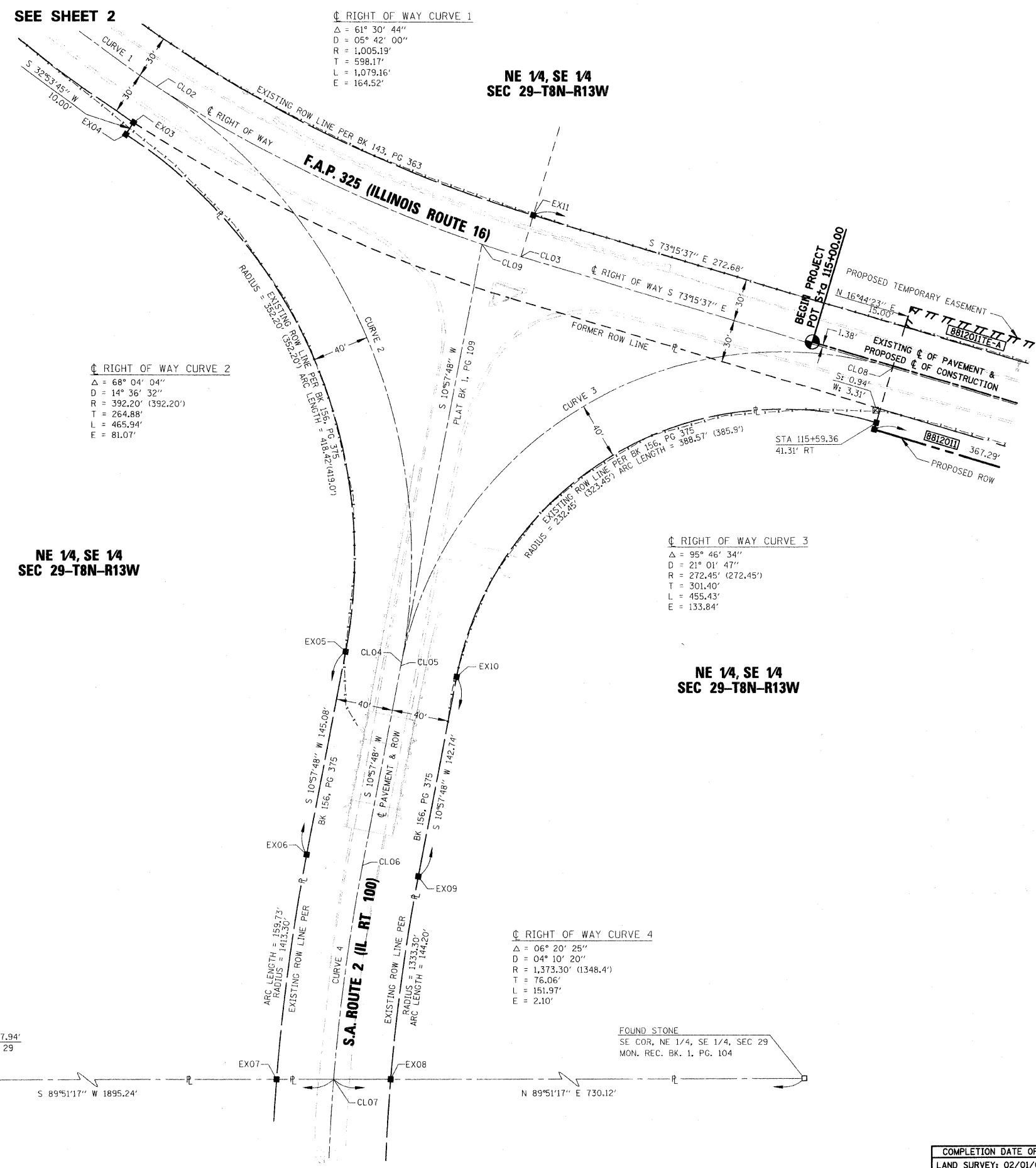
COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 02/01/08  
RIGHT OF WAY STAKING: 07/24/08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
1102 EASTPORT PLAZA DRIVE  
COLLINSVILLE, ILLINOIS 62234-6198  
SHEET 1 IS A COVER SHEET



COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

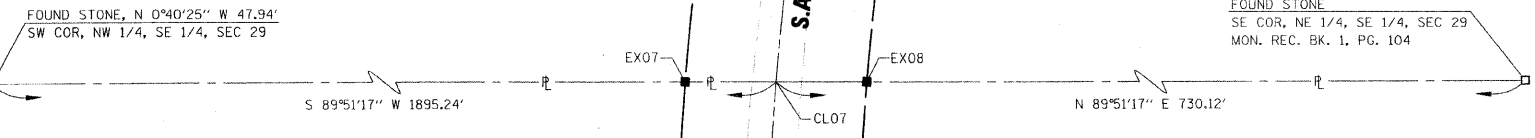
COORDINATE TABLE			
DESCRIPTION	NORTH	EAST	
SW COR, NW 1/4, SE 1/4, SEC 29	888142.7126	182932.7406	
SE COR, NE 1/4, SE 1/4, SEC 29	888149.3694	185558.0881	
EX03	888819.1556	184687.8339	
EX04	888810.7590	184682.4028	
EX05	888448.0485	184836.8901	
EX06	888305.6129	184809.2977	
EX07	888147.4164	184787.8364	
EX08	888147.6199	184868.1143	
EX09	888290.3983	184887.8376	
EX10	888430.5350	184914.9847	
EX11	888754.4981	184969.1813	
CL02	888844.3454	184704.1273	
CL03	888725.7694	184960.5406	
CL04	888440.4411	184876.1601	
CL05	888438.1424	184875.7148	
CL06	888298.0056	184848.5677	
CL07	888147.5181	184827.9713	
CL08	888647.2314	185221.6642	
CL09	888734.4481	184933.1147	
STATION	OFFSET	NORTH	EAST
115+00.00	CL	888665.6340	185165.2573
115+59.36	41.31' RT	888608.9265	185210.1433



STATE OF ILLINOIS )  
                          ) SS  
COUNTY OF MACOUPIN )

I, AARON P. HUTSON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 11/26/08  
*Aaron P. Hutson*  
AARON P. HUTSON, PLS NO. 035-3456  
LICENSE EXPIRATION DATE: 11/30/2008



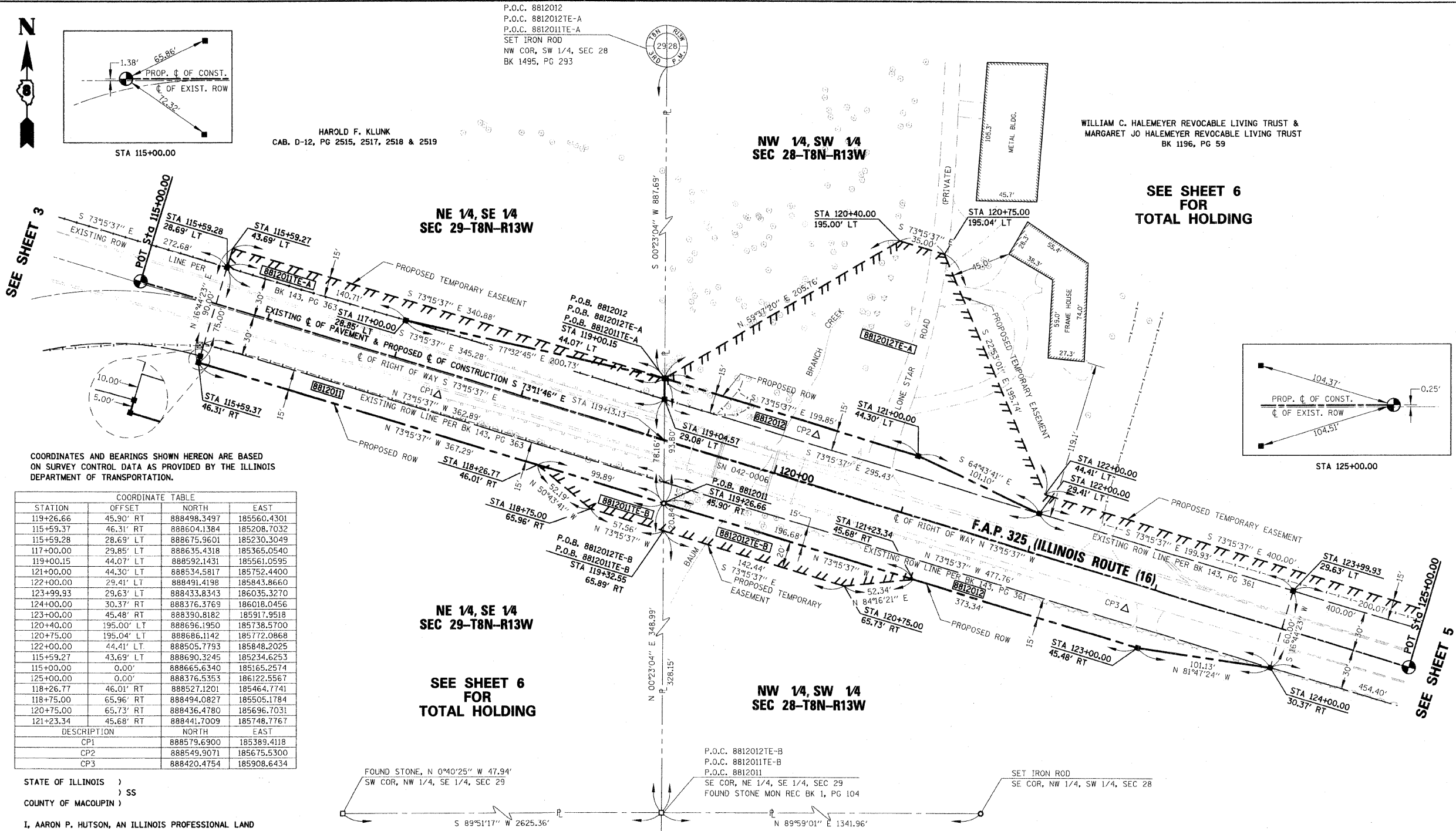
PLOT DATE = 11/26/2008  
 FILE NAME = J:\2007\03\1001\PTB 144 Item 43\20070308-6\_1.dwg  
 USER = MUSER  
 PLOT BY = MUSER

PART OF THE NE 1/4, SE 1/4 OF SECTION 29, & THE NW 1/4, SW 1/4 OF SECTION 28, T8N, R13W, OF THE 3RD PM, JERSEY COUNTY, ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	29
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.	76801			

LEGEND

- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- 121.45' MEASURED DIMENSION
- (121.45') RECORDED DIMENSION
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS
- SAME OWNERSHIP
- EXISTING BUILDING



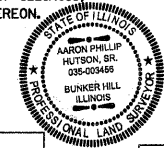
COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATION	OFFSET	NORTH	EAST
119+26.66	45.90' RT	888498.3497	185560.4301
115+59.37	46.31' RT	888604.1384	185208.7032
115+59.28	28.69' LT	888675.9601	185230.3049
117+00.00	29.85' LT	888635.4318	185365.0540
119+00.15	44.07' LT	888592.1431	185561.0595
121+00.00	44.30' LT	888534.5817	185752.4400
122+00.00	29.41' LT	888491.4198	185843.8660
123+99.93	29.63' LT	888433.8343	186035.3270
124+00.00	30.37' RT	888376.3769	186018.0456
123+00.00	45.48' RT	888390.8182	185917.9518
120+40.00	195.00' LT	888696.1950	185738.5700
120+75.00	195.04' LT	888686.1142	185772.9668
122+00.00	44.41' LT	888505.7793	185848.2025
115+59.27	43.69' LT	888690.3245	185234.6253
115+00.00	0.00'	888665.6340	185165.2574
125+00.00	0.00'	888376.5353	186122.5567
118+26.77	46.01' RT	888527.1201	185464.7741
118+75.00	65.96' RT	888494.0827	185505.1784
120+75.00	65.73' RT	888436.4780	185696.7031
121+23.34	45.68' RT	888441.7009	185748.7767
DESCRIPTION	NORTH	EAST	
CP1	888579.6900	185389.4118	
CP2	888549.9071	185675.5300	
CP3	888420.4754	185908.6434	

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MACOUPIN )

I, AARON P. HUTSON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 11/26/08  
 Aaron P. Hutson  
 AARON P. HUTSON, PLS NO. 035-3456  
 LICENSE EXPIRATION DATE: 11/30/2008



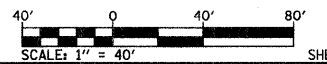
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY			
			GROSS ACRES	PREVIOUSLY DEDICATED ACRES	NET ACRES	TE - TEMPORARY ACRES		EASEMENT PURPOSE						
8812011	HAROLD F. KLUNK TITLE COMMITMENT 18-2007JE-1017.0	120	0.6489	28,256	0.4877	21,245	0.1612	7,011	119.3511	0.0829 0.0361	A = 3,612 B = 1,574	GRADING LOW WATER CROSSING	09-029-007-00	
8812012	WILLIAM C. HALEMEYER AS TRUSTEE OF THE WILLIAM C. HALEMEYER REVOCABLE LIVING TRUST & MARGARET JO HALEMEYER AS TRUSTEE OF THE MARGARET JO HALEMEYER REVOCABLE LIVING TRUST TITLE COMMITMENT 18-2007JE-1018.0	40	0.9020	39,291	0.6702	29,194	0.2318	10,097	39.0960	0.7344 0.0779	A = 31,993 B = 3,391	ENTRANCE CONSTRUCTION & GRADING LOW WATER CROSSING	09-028-007-00	

HSE HUTSON SURVEYING & ENGINEERING, INC.

120 NORTH WASHINGTON ST.  
 BUNKER HILL, ILLINOIS 62014  
 PHONE : (618) 585-6150  
 DESIGN FIRM NUMBER: 184-004243

REVISION	DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 325 (IL 16)  
 SECTION 3BR-2  
 JERSEY COUNTY  
 JOB NO. R-98-012-08  
 STATION 115+00 TO STATION 125+00



COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 02/01/08  
 RIGHT OF WAY STAKING: 07/24/08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6198  
 SHEET 4 OF 6  
 SHEET 1 IS A COVER SHEET

PLOT DATE = 11/26/2008  
 FILE NAME = J:\2007\03\09 IDOT PTB 144 Item 43-2887809-01 Job\Survey\DOT Sheets\Sheet4\_rev.dgn  
 USER = AHUTSON  
 USER NAME = AHUTSON

PART OF THE SW 1/4 OF SECTION 28, T8N, R13W, OF THE 3RD PM, JERSEY COUNTY, ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		76B01		

LEGEND

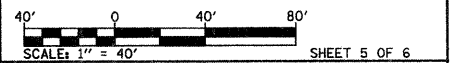
- SECTION CORNERS
- QUARTER SECTION CORNERS
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 687101 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS
- SAME OWNERSHIP
- EXISTING BUILDING

STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND PROVIDED TO THE SURVEYOR. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 12/01/07.

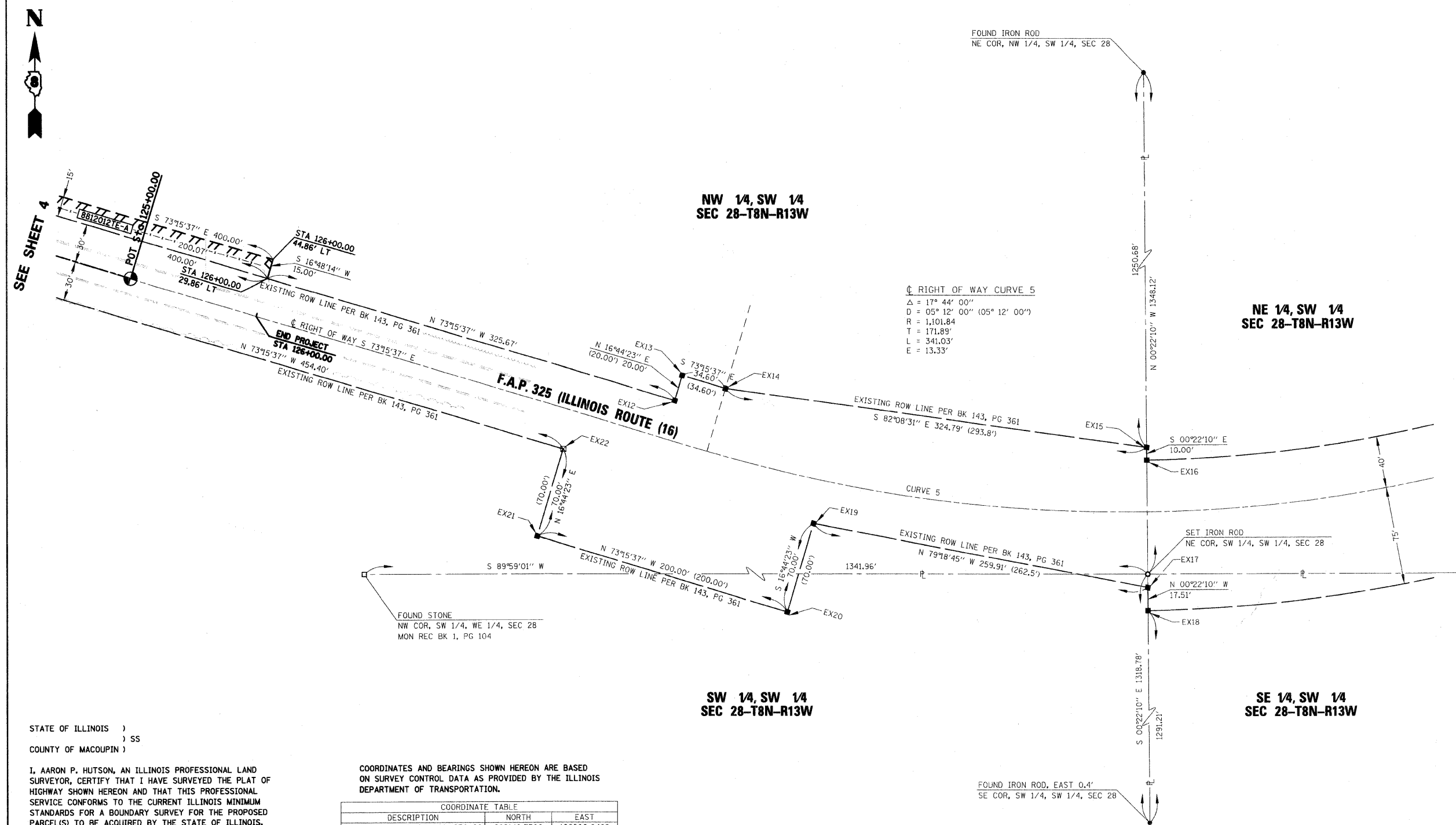
**HSE HUTSON SURVEYING & ENGINEERING, INC.**  
 120 NORTH WASHINGTON ST.  
 BUNKER HILL, ILLINOIS 62014  
 PHONE : (618) 585-6150  
 DESIGN FIRM NUMBER: 184-004243

REVISION	
DATE	DESCRIPTION



COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 02/01/08  
 RIGHT OF WAY STAKING: 07/24/08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6198  
 SHEET 1 IS A COVER SHEET



COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE			
DESCRIPTION	NORTH	EAST	
NE COR, SW 1/4, SW 1/4, SEC 28	888149.7509	186900.0482	
EX12	888282.4099	186538.7838	
EX13	888301.5624	186544.5443	
EX14	888291.5968	186577.6780	
EX15	888247.1910	186899.4201	
EX16	888237.1906	186899.4845	
EX17	888139.6933	186900.1130	
EX18	888122.1864	186900.2259	
EX19	888187.8939	186644.7152	
EX20	888120.8603	186624.5535	
EX21	888178.4650	186433.0289	
EX22	888245.4986	186453.1905	
STATION	OFFSET	NORTH	EAST
126+00.00	44.86'	888390.5698	186231.2520
126+00.00	29.86'	888376.2103	186226.9155

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MACOUPIN )

I, AARON P. HUTSON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 11/26/08  
*Aaron P. Hutson*  
 AARON P. HUTSON, PLS NO. 035-3456  
 LICENSE EXPIRATION DATE: 11/30/2008



SPACE RESERVED FOR RECORDING OFFICER

PLOT DATE = 11/26/2008  
 FILE NAME = J:\2007\0809 IDOT PTB 144 Item 43\20070259-e-add\Survey\IDOT Sheets\Sheet5-rev.dgn  
 PLOT SCALE = 40.000' / IN.  
 USER NAME = 405287

SECTION 29 AND PART OF SECTION 28, T8N, R13W, OF THE 3RD PM, JERSEY COUNTY, ILLINOIS

TOTAL HOLDING SHEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		76801		

LEGEND

- SECTION CORNERS
- QUARTER SECTION CORNERS
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- CALCULATED FROM RECORD DIMENSION
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYOR'S LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS
- SAME OWNERSHIP
- EXISTING BUILDING
- STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS, SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND PROVIDED TO THE SURVEYOR. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 12/01/07.

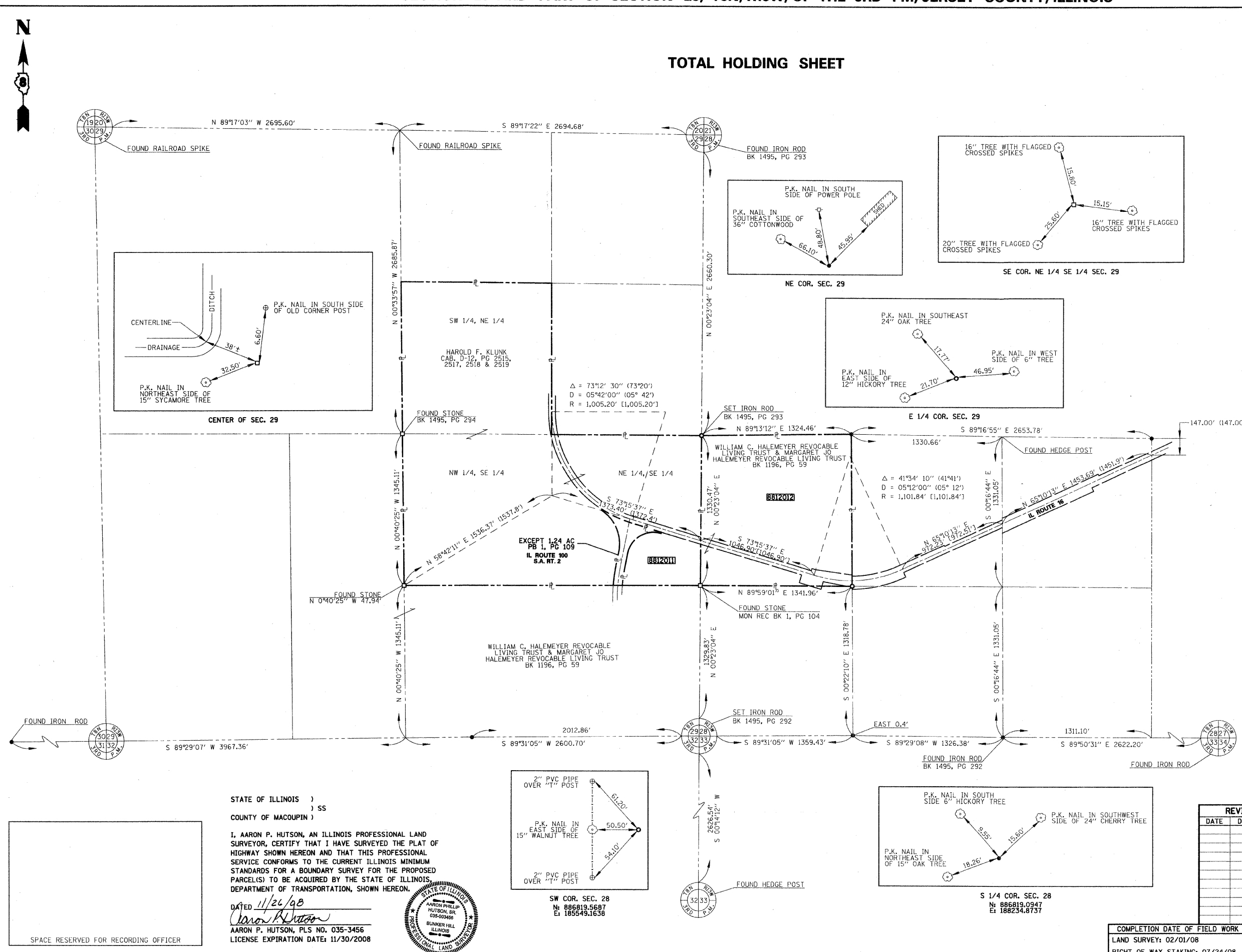
**HSE HUTSON SURVEYING & ENGINEERING, INC.**  
 120 NORTH WASHINGTON ST.  
 BUNKER HILL, ILLINOIS 62014  
 PHONE : (618) 585-6150  
 DESIGN FIRM NUMBER: 184-004243

REVISION	
DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 325 (IL 16)  
 SECTION 3BR-2  
 JERSEY COUNTY  
 JOB NO. R-98-012-08  
 TOTAL HOLDINGS

SCALE: 1" = 400'

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6198  
 SHEET 6 OF 6  
 SHEET 1 IS A COVER SHEET



STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MACOUPIN )

I, AARON P. HUTSON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 11/24/08  
 Aaron P. Hutson  
 AARON P. HUTSON, PLS NO. 035-3456  
 LICENSE EXPIRATION DATE: 11/30/2008

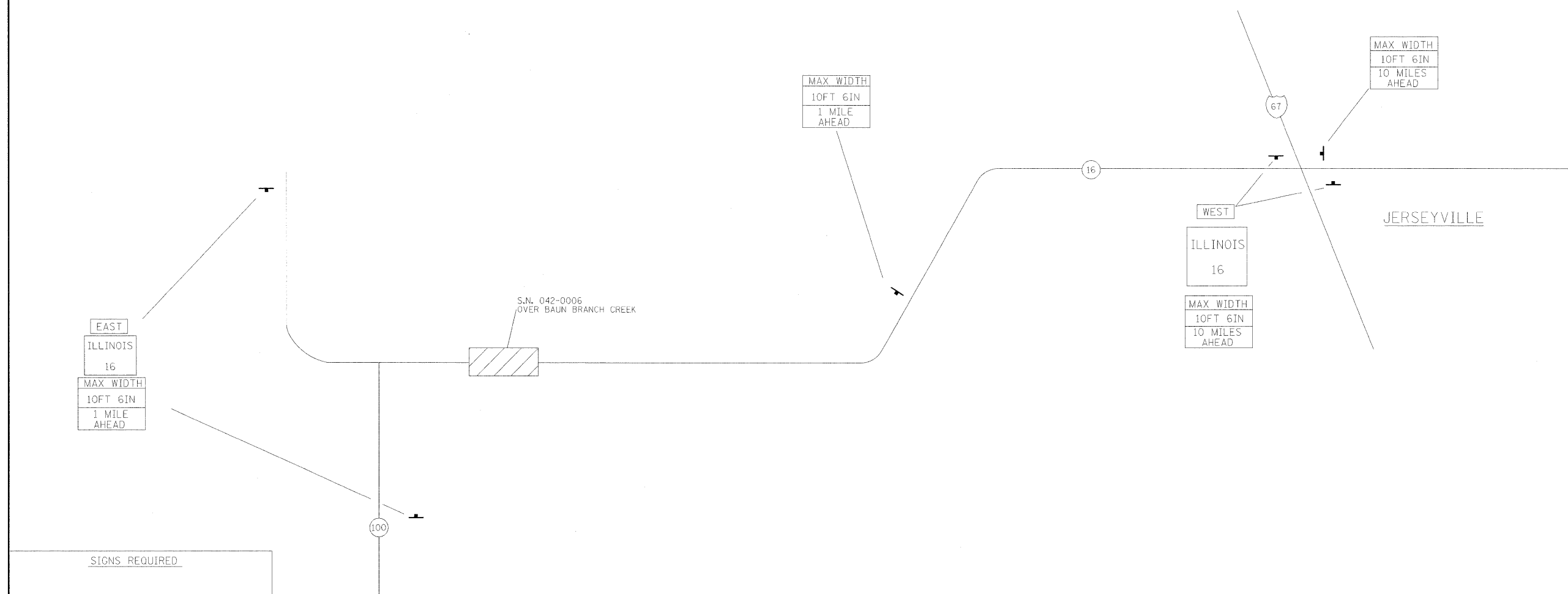
STATE OF ILLINOIS  
 AARON PHILLIP HUTSON, SR.  
 035-003456  
 BUNKER HILL ILLINOIS  
 PROFESSIONAL LAND SURVEYOR

PLOT DATE = 11/28/2008  
 FILE NAME = J:\2007\03\14 DOT P18 144 Item 43-2807035-Cadd\Survey\DDT Sheets\Sheet6.dgn  
 USER NAME = AUSER

WIDE LOAD SIGNING  
 IL 16 OVER BAUM BRANCH CREEK  
 S.N. 042-0006

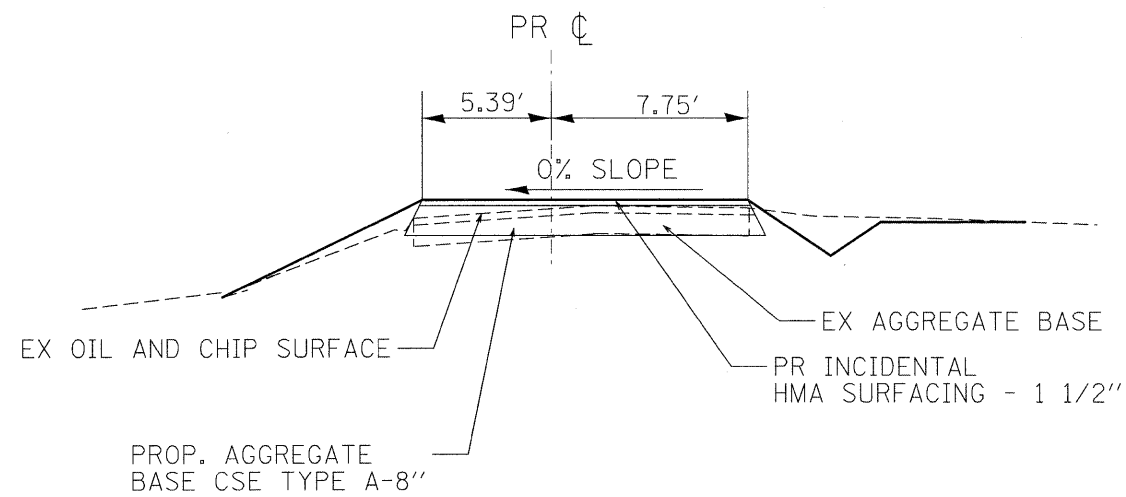
NOTES

1. ALL SIGNS REQUIRED WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T.
2. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATION SHOWN ON THIS SHEET, AS DIRECTED BY THE RE/RT. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL THE GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS A TWO WEEK NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE TM BUILDING IN FAIRVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE 618-346-3289.
4. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE; "LUMP SUM" FOR "WIDE LOADING SIGNING" AND NO OTHER COMPENSATION WILL BE ALLOWED.
5. SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS.
6. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.

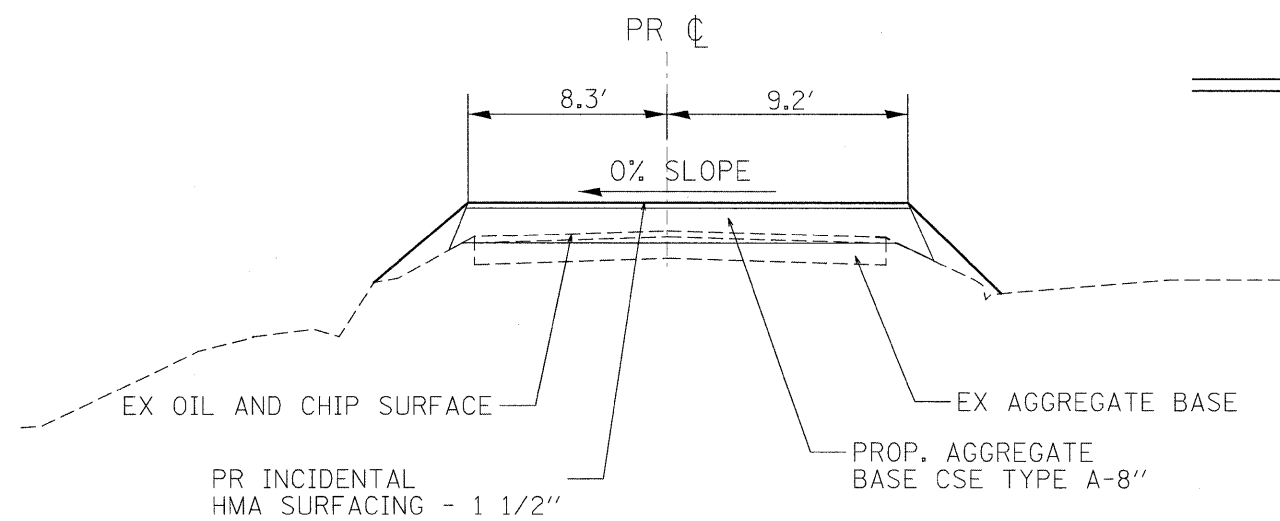


SIGNS REQUIRED	
MAX WIDTH 10FT 6IN 1 MILE AHEAD (2)	EAST (2)
	WEST (2)
MAX WIDTH 10FT 6IN 10 MILES AHEAD (2)	ILLINOIS (4) 16

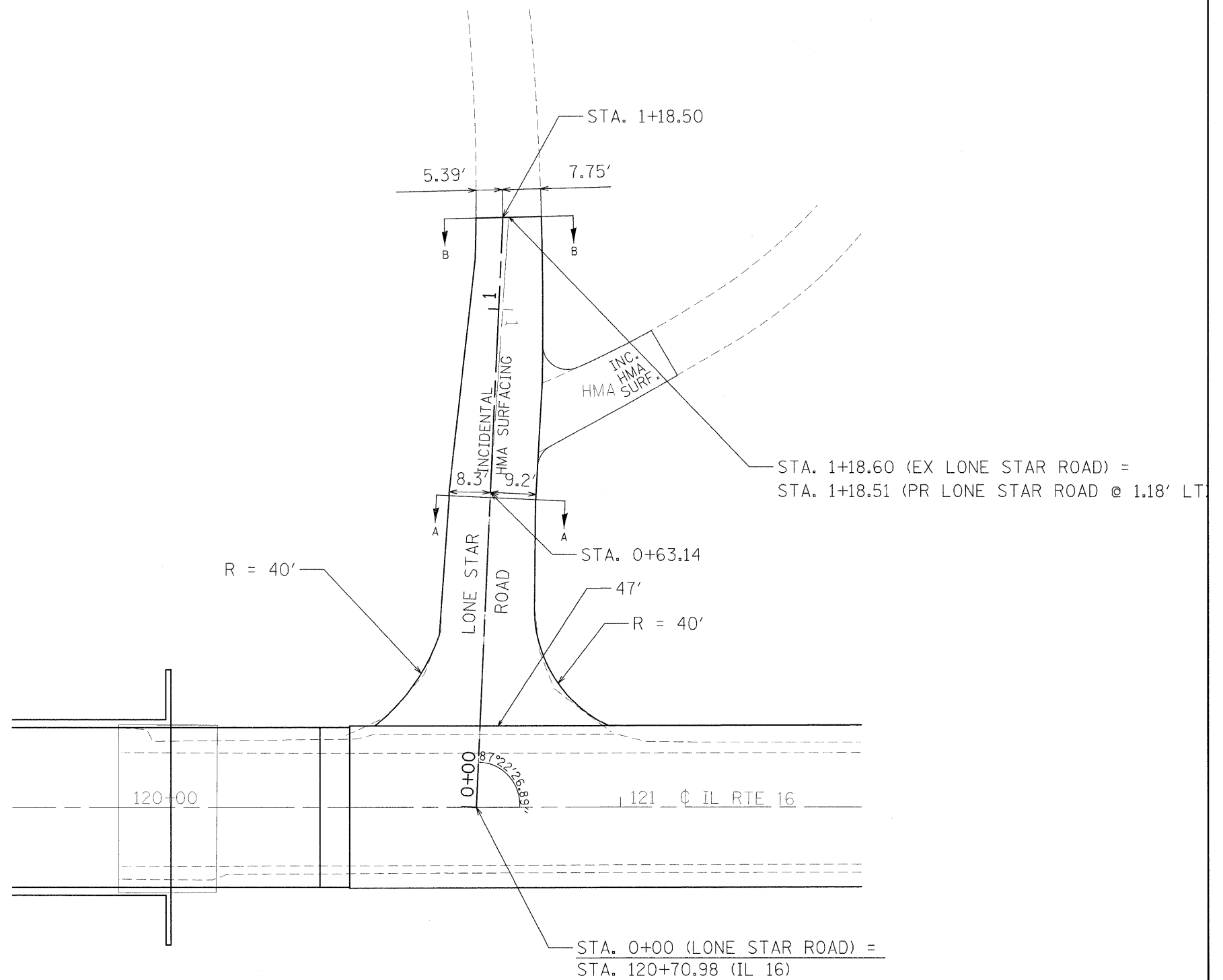




SECTION B-B

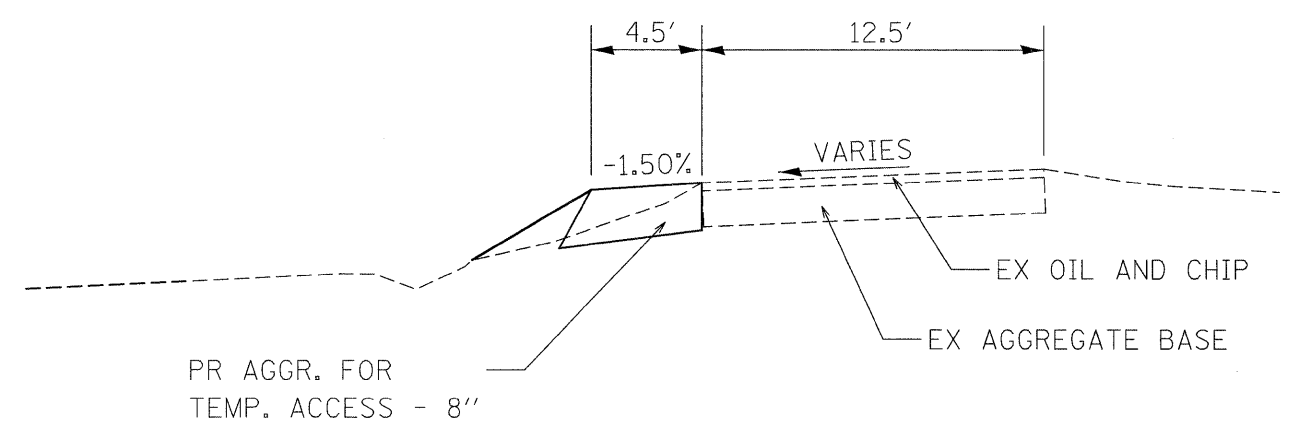
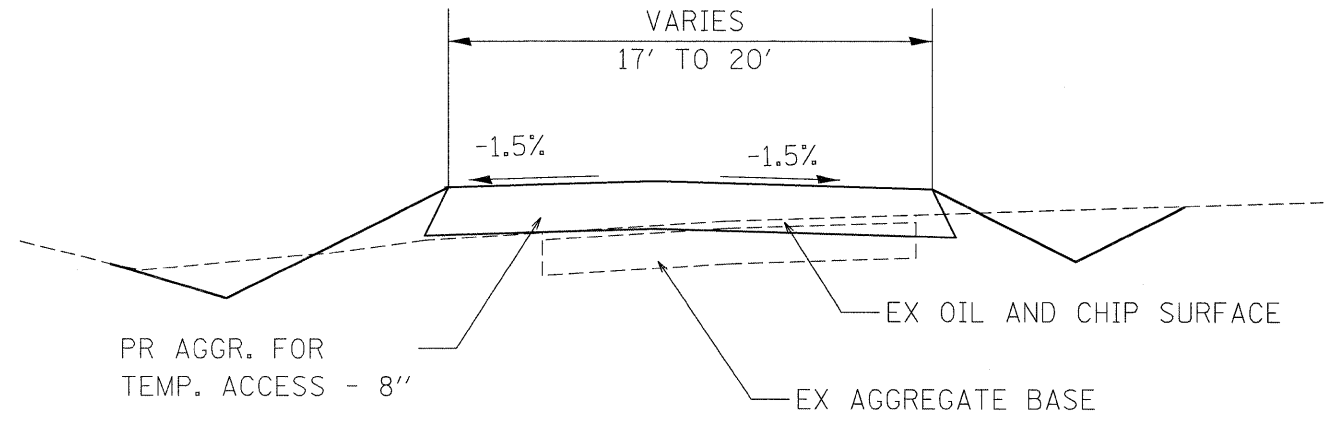
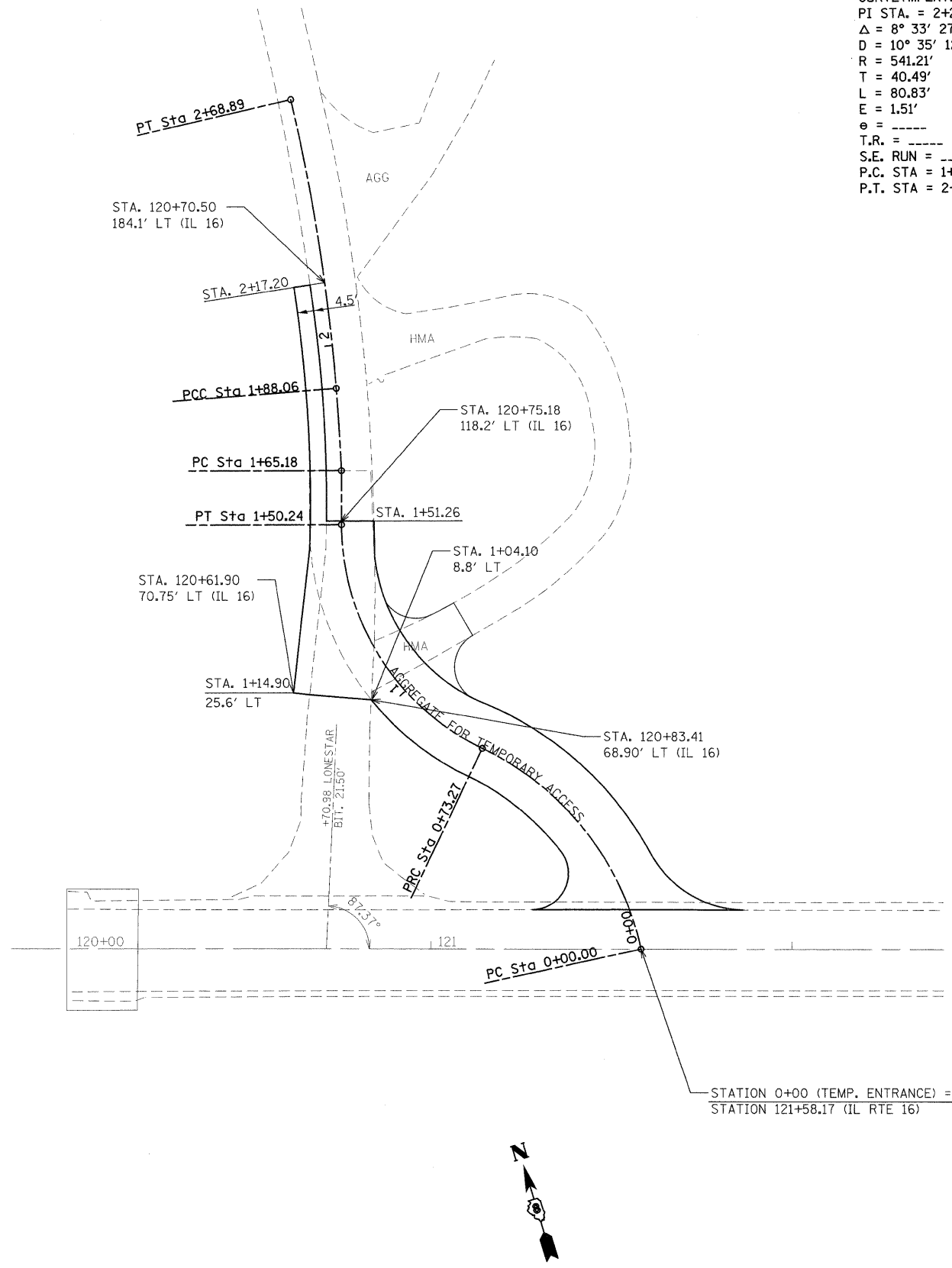


SECTION A-A



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LONE STAR ROAD DETAIL</b>		F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
01:\pwork\k\pido\mann\dm51535\p1n02020.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	325	3BR-2	JERSEY	90	33
		CHECKED -	REVISED -				TO STA.	CONTRACT NO. 76B01				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

<b>CURVETMPENT1-4</b> PI STA. = 2+28.55 $\Delta = 8^\circ 33' 27''$ (LT) D = 10° 35' 12" R = 541.21' T = 40.49' L = 80.83' E = 1.51' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 1+88.06 P.T. STA = 2+68.89	<b>CURVETMPENT1-1</b> PI STA. = 0+39.39 $\Delta = 52^\circ 08' 47''$ (LT) D = 71° 10' 30" R = 80.50' T = 39.39' L = 73.27' E = 9.12' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 0+00.00 P.T. STA = 0+73.27	<b>CURVETMPENT1-2</b> PI STA. = 1+16.39 $\Delta = 64^\circ 23' 15''$ (RT) D = 83° 38' 37" R = 68.50' T = 43.13' L = 76.98' E = 12.45' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 0+73.27 P.T. STA = 1+50.24	<b>CURVETMPENT1-3</b> PI STA. = 1+76.62 $\Delta = 1^\circ 49' 13''$ (LT) D = 7° 57' 26" R = 720.05' T = 11.44' L = 22.88' E = 0.09' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 1+65.18 P.T. STA = 1+88.06
--	--	---	---



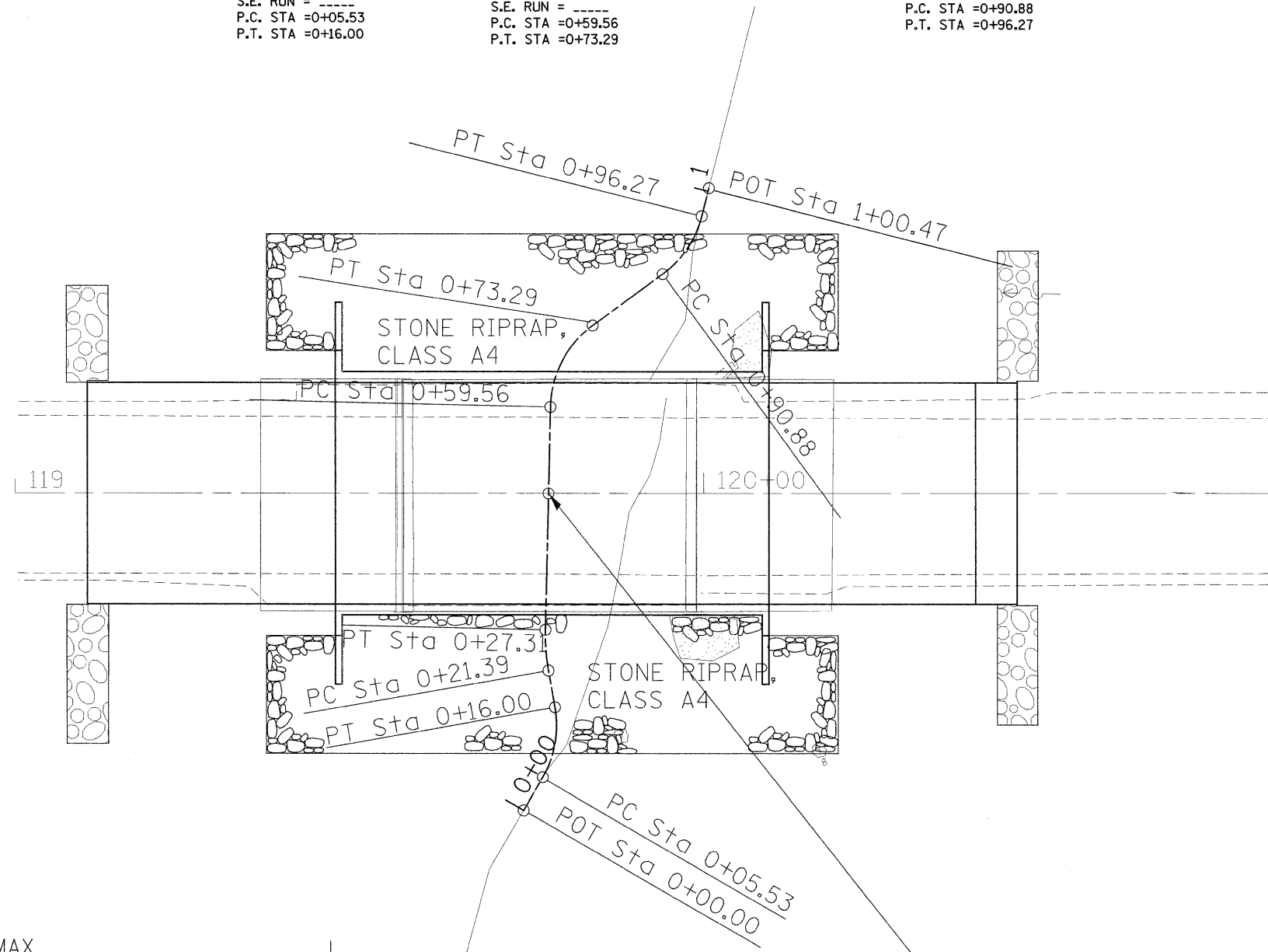
AGGREGATE FOR TEMPORARY ACCESS SHALL MEET AGGREGATE SURFACE COURSE, TYPE B REQUIREMENTS.

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY ENTRANCE DETAIL</b>		F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 34	
es:\pwork\pwork\manntm\dms51935\pin02006.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 76B01				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

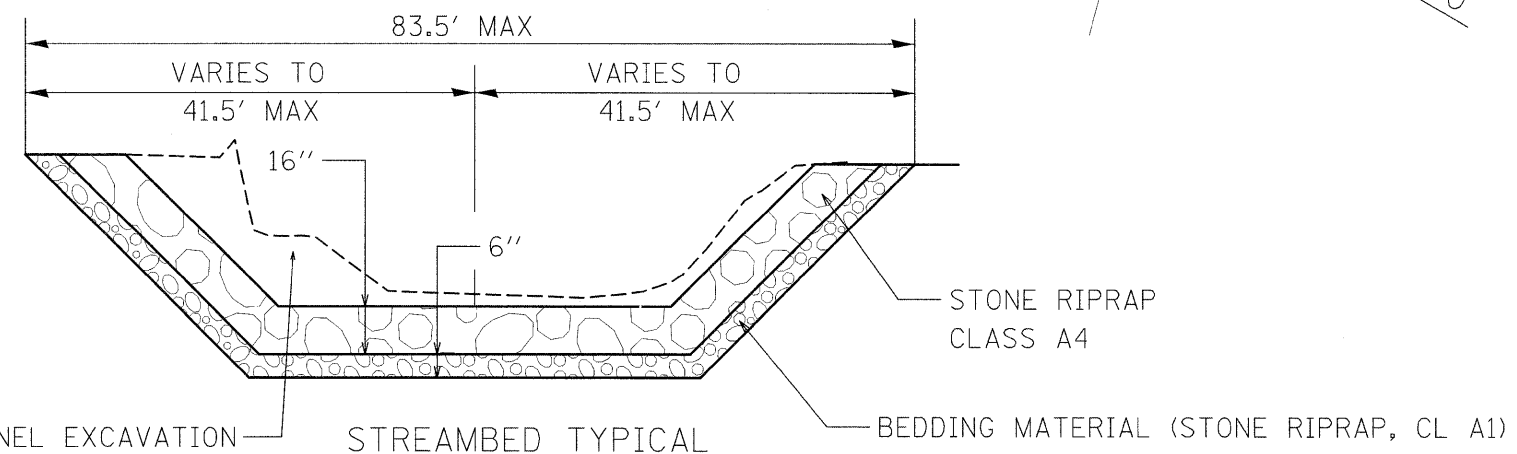
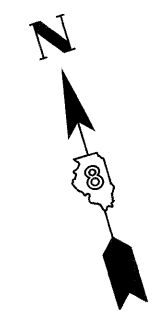
PROP. CURVECRKBD2-1  
 PI STA. =0+10.99  
 $\Delta = 39^\circ 58' 46''$  (LT)  
 $D = 381' 58' 19''$   
 $R = 15.00'$   
 $T = 5.46'$   
 $L = 10.47'$   
 $E = 0.96'$   
 $e = \text{-----}$   
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA =0+05.53  
 P.T. STA =0+16.00

PROP. CURVECRKBD2-3  
 PI STA. =0+66.95  
 $\Delta = 52^\circ 26' 41''$  (RT)  
 $D = 381' 58' 19''$   
 $R = 15.00'$   
 $T = 7.39'$   
 $L = 13.73'$   
 $E = 1.72'$   
 $e = \text{-----}$   
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA =0+59.56  
 P.T. STA =0+73.29

PROP. CURVECRKBD2-4  
 PI STA. =0+91.29  
 $\Delta = 39^\circ 41' 03''$  (LT)  
 $D = 381' 58' 19''$   
 $R = 15.00'$   
 $T = 5.41'$   
 $L = 10.39'$   
 $E = 0.95'$   
 $e = \text{-----}$   
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA =0+90.88  
 P.T. STA =0+96.27



STA. 0+29.47 (¢ STREAMBED) =  
 STA. 119+78.00 (IL RTE 16)



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -
et:\pw_work\pwidot\manntm\dms51935\pln02906a.dgn		DRAWN -	REVISED -
PLOT SCALE = 20,0000 ' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/11/2008		DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

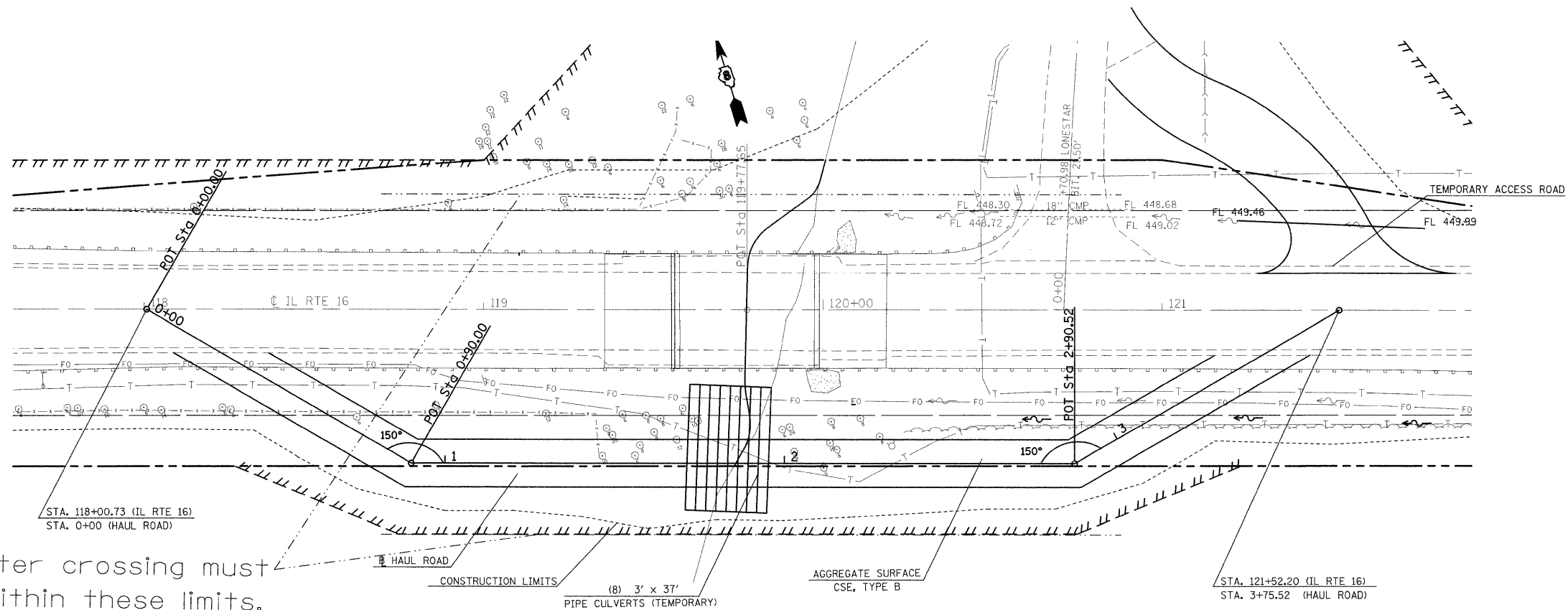
STREAMBED DETAIL

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

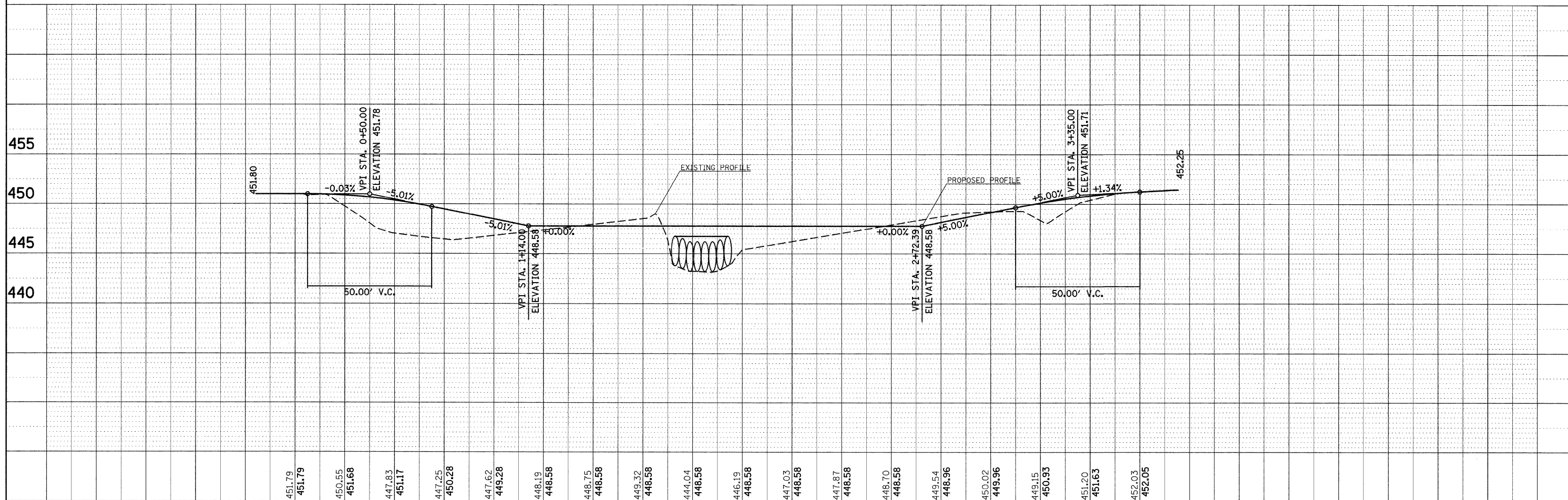
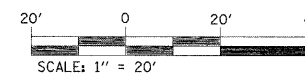
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	35
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	REVIEWED	DATE
	PLOTTED	
NOTE BOOK NO.	ALIGNED	CHECKED
	PAID	FILE NAME

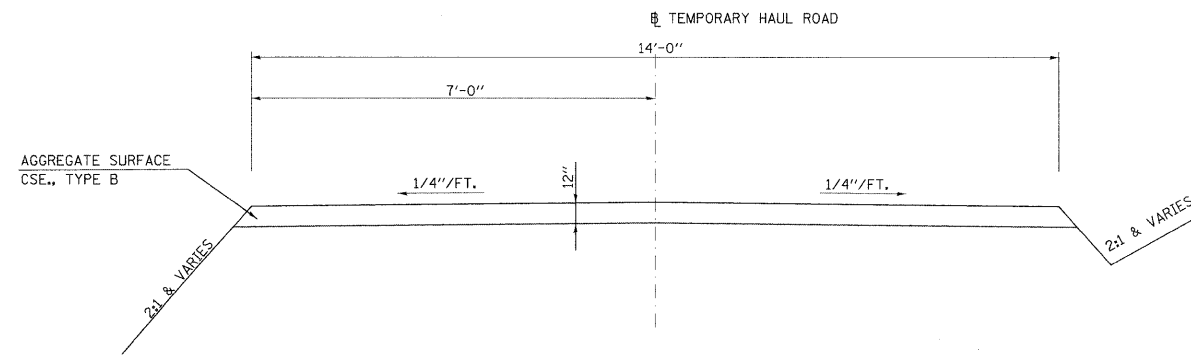
PROFILE	REVIEWED	DATE
	PLOTTED	
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE	NOTATION CHKD



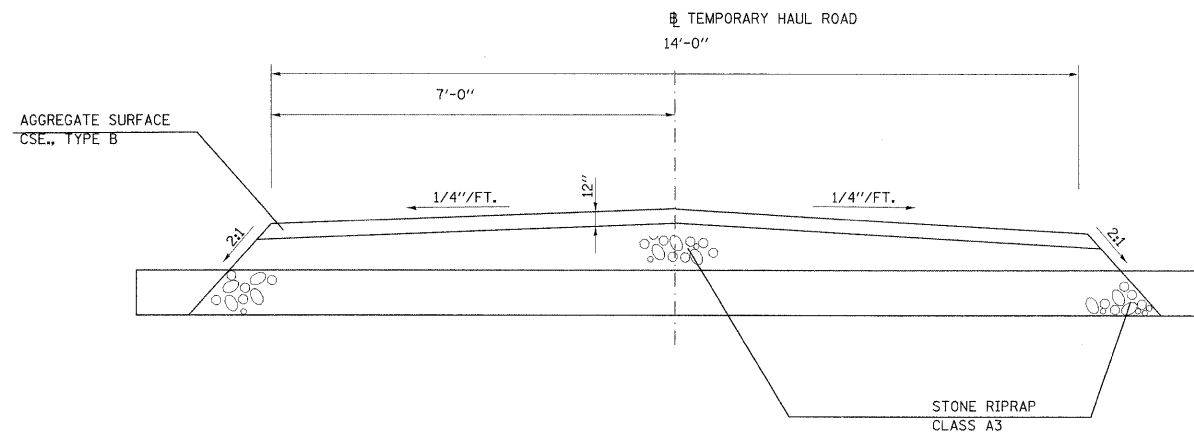
Low Water crossing must stay within these limits.



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE HAUL ROAD</b>		F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
02:\pwork\pwork\manntm\dms51935\p1n020006a.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	325	3BR-2	JERSEY	90	36
		CHECKED -	REVISED -						CONTRACT NO. 76B01				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



TYPICAL SECTION  
STA. 0+00 TO STA. 3+75.52



TYPICAL SECTION  
STA. 0+00 TO STA. 1+00  
STREAM CROSSING

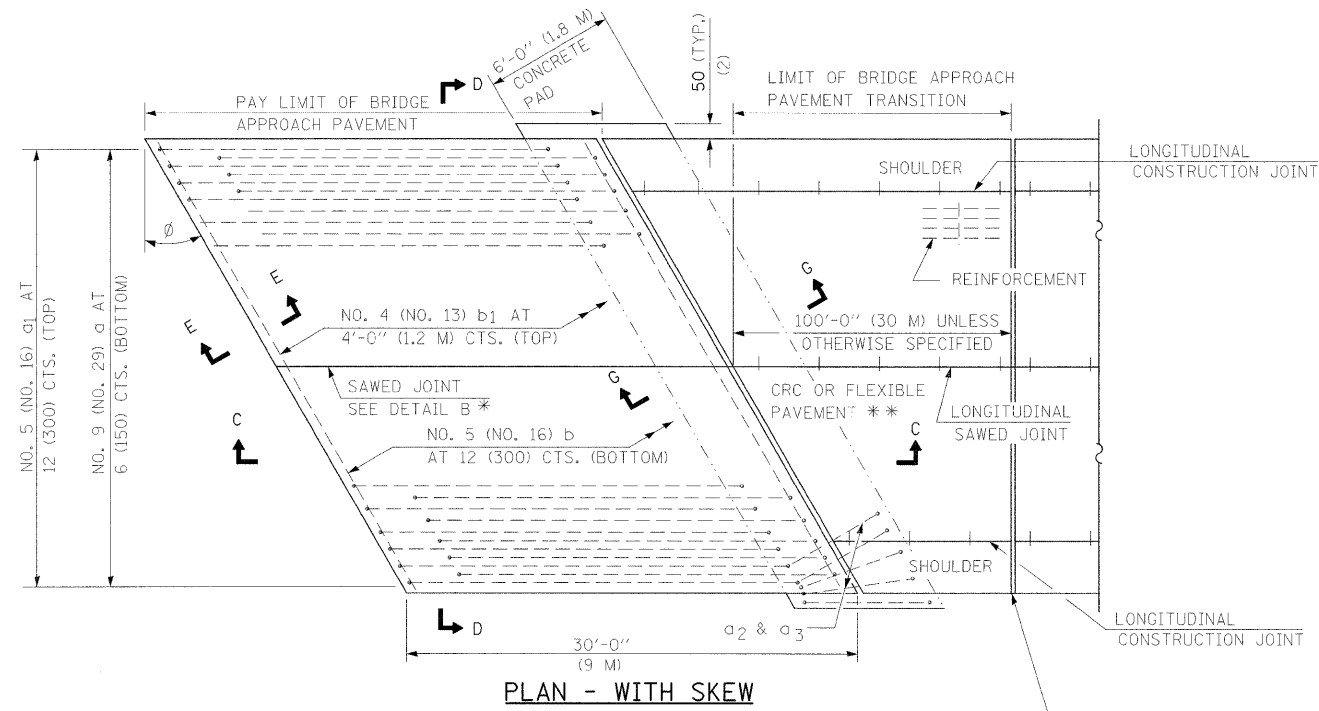
TEMPORARY HAUL ROAD

NOTES

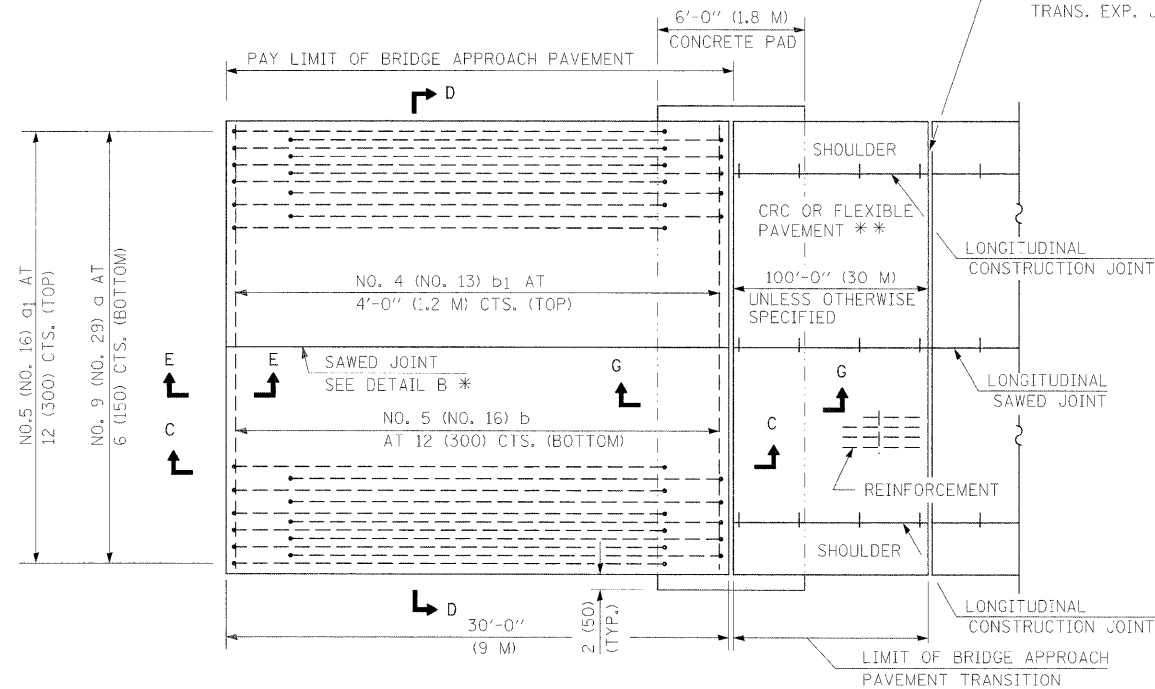
1. THE CONTRACTOR SHALL CONSTRUCT, MAINTAIN, AND REMOVE THE HAUL ROAD GENERALLY TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL MAINTAIN A 12' MINIMUM HORIZONTAL CLEARANCE TO ANY OBJECT MEASURED THE DISTANCE OF 3'-0" ABOVE THE HAUL ROAD PROFILE GRADE. (TYPICAL BOTH SIDES)
3. FILTER FABRIC SHALL BE PLACED IN ACCORDANCE WITH SECTION 282 OF THE STANDARD SPECIFICATIONS. THE FILTER FABRIC SHALL LINE THE ENTIRE HAUL ROAD AND THE CHANNEL. STONE RIPRAP CLASS A3 SHALL BE PLACED AS BEDDING MATERIAL IN THE CHANNEL AND SHALL BE PLACED IN ACCORDANCE WITH SECTION 281 OF THE STANDARD SPECIFICATIONS. AGGREGATE SURFACE COURSE TYPE BE SHALL BE USED AS THE SURFACE FOR THE HAUL ROAD AND PLACED IN ACCORDANCE WITH SECTION 402.07 OF THE STANDARD SPECIFICATIONS. PLACEMENT AND COMPACTION OF THE ABOVE MATERIAL WILL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND TO THE APPROVAL OF THE ENGINEER.
4. TEMPORARY PIPE CULVERTS OF THE TYPE AND SIZE SPECIFIED SHALL BE SECURED IN PLACE BY MEANS OF CABLES AND/OR ANCHORS IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
5. MAINTENANCE OF THE HAUL ROAD WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04. IT IS THE INTENT TO MAINTAIN THE HAUL ROAD ONLY TO THE DEGREE NECESSARY TO PROVIDE AN ALL WEATHER SURFACE FOR ITS INTENDED USE. SEE SPECIAL PROVISIONS.
6. REMOVAL AND DISPOSAL OF THE AGGREGATE MATERIAL WHEN THE HAUL ROAD IS NO LONGER REQUIRED WILL BE MEASURED FOR PAYMENT AS EARTH EXCAVATION AND DISPOSAL OF IN ACCORDANCE WITH ARTICLE 202.03.

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY HAUL ROAD</b>			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\psidot\manntm\dms51935\pin02006.dgn		DRAWN -	REVISED -		325	3BR-2	JERSEY	90	37			
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76B01							
PLOT DATE = 12/11/2008		DATE -	REVISED -		SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

**NEW CONSTRUCTION**



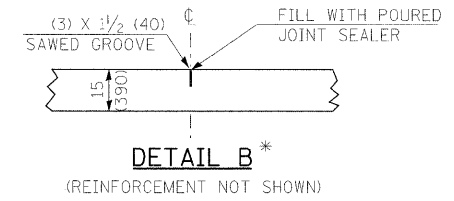
**PLAN - WITH SKEW**



**PLAN - WITHOUT SKEW**

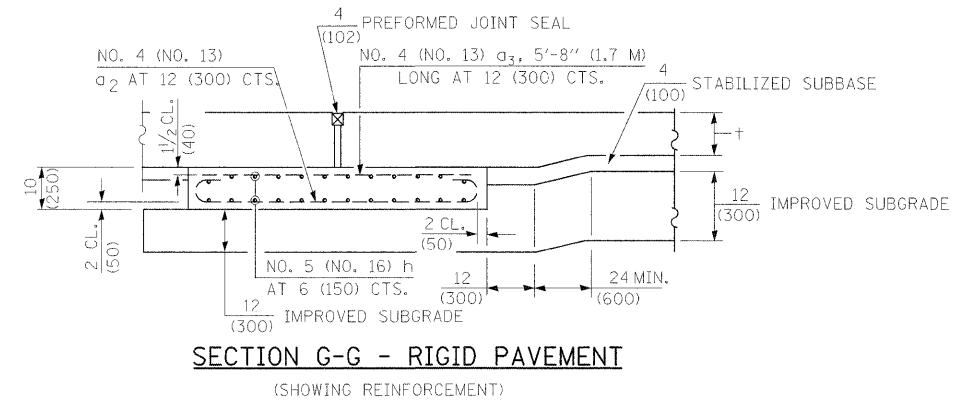
\* SAW  $\odot$  OR LANE EDGE IF POURED TWO OR MORE LANE WIDTHS AT A TIME.  
 \*\* OMIT REINFORCEMENT, TIE BARS AND LONG. SAWED JT. FOR FLEXIBLE PAVEMENT.

RIGID PAVEMENT ONLY:  
 WIDE FLANGE BEAM TERMINAL JOINT (SEE DETAIL AT BEAM - STANDARD 421101 OR 421106) OR 2 (50) TRANS. EXP. JOINT AS DETAILED ON STANDARD 420001.



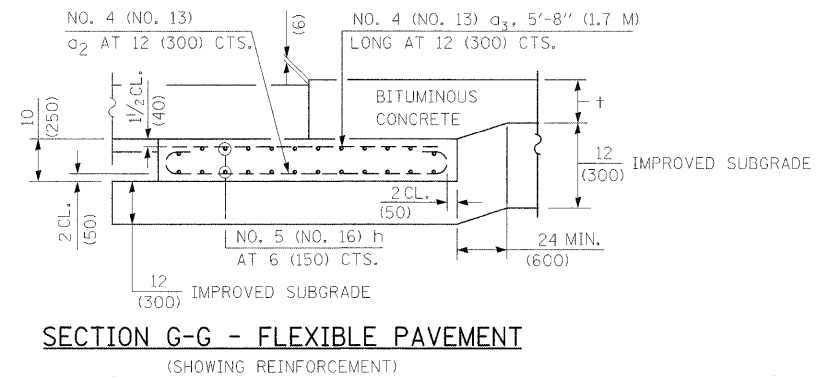
**DETAIL B\***

(REINFORCEMENT NOT SHOWN)



**SECTION G-G - RIGID PAVEMENT**

(SHOWING REINFORCEMENT)



**SECTION G-G - FLEXIBLE PAVEMENT**

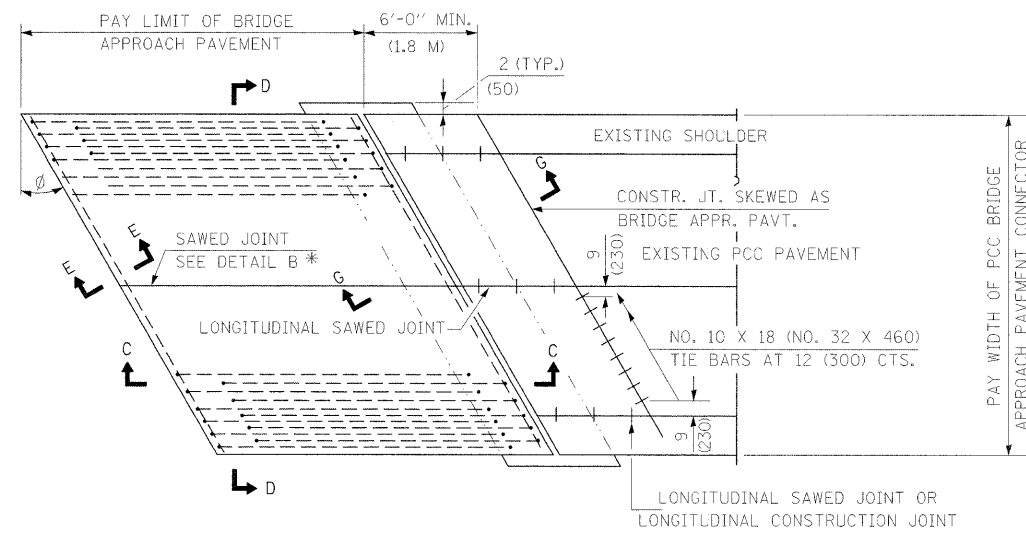
(SHOWING REINFORCEMENT)

**GENERAL NOTES**

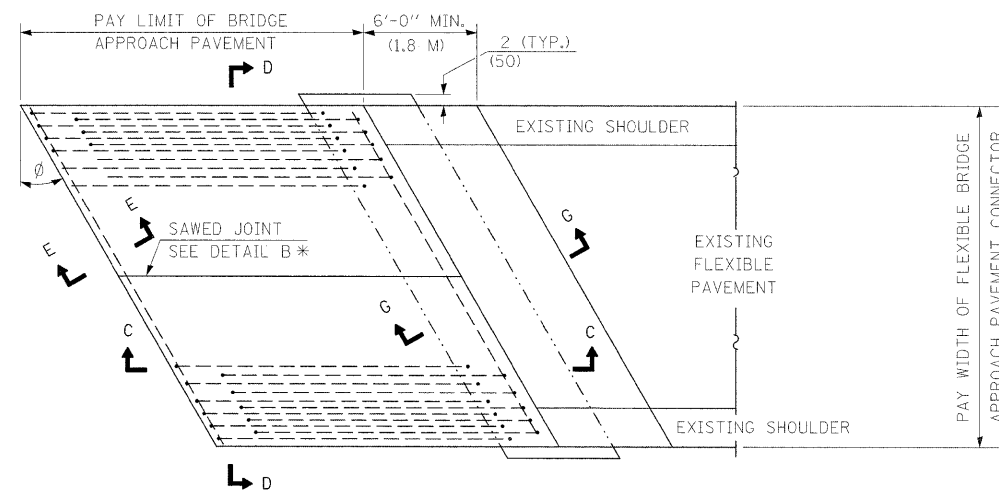
THICKNESS-"+"=THICKNESS OF PAVEMENT.  
 SEE STANDARD 421001 FOR REINFORCEMENT DETAILS NOT SHOWN.  
 SEE STANDARD 420001 FOR JOINT DETAILS NOT SHOWN.  
 ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = morntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE APPROACH PAVEMENT DETAIL</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
01\pw_work\pilot\morntm\dms51935\pIn82006.dgn		DRAWN -	REVISED -			325	3BR-2	JERSEY	90	38	
PLOT SCALE = 20,0000' / IN.		CHECKED -	REVISED -			<b>CONTRACT NO. 76B01</b>					
PLOT DATE = 12/11/2008		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.			

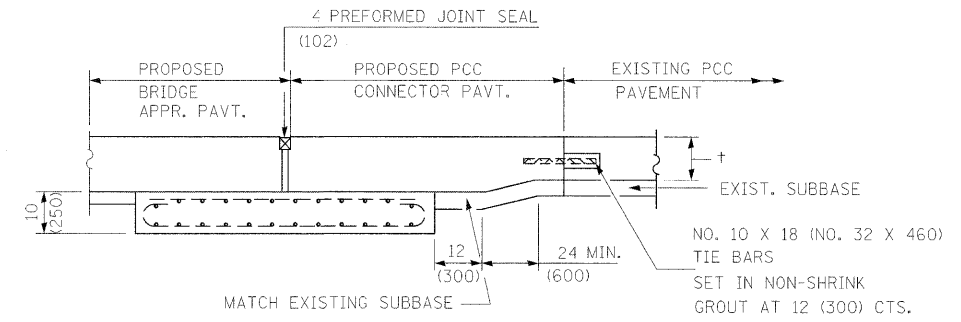
EXISTING CONSTRUCTION



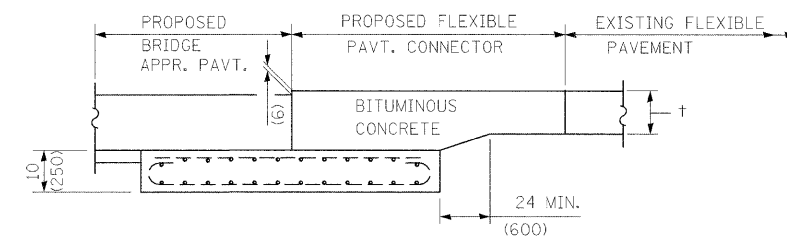
BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)



BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

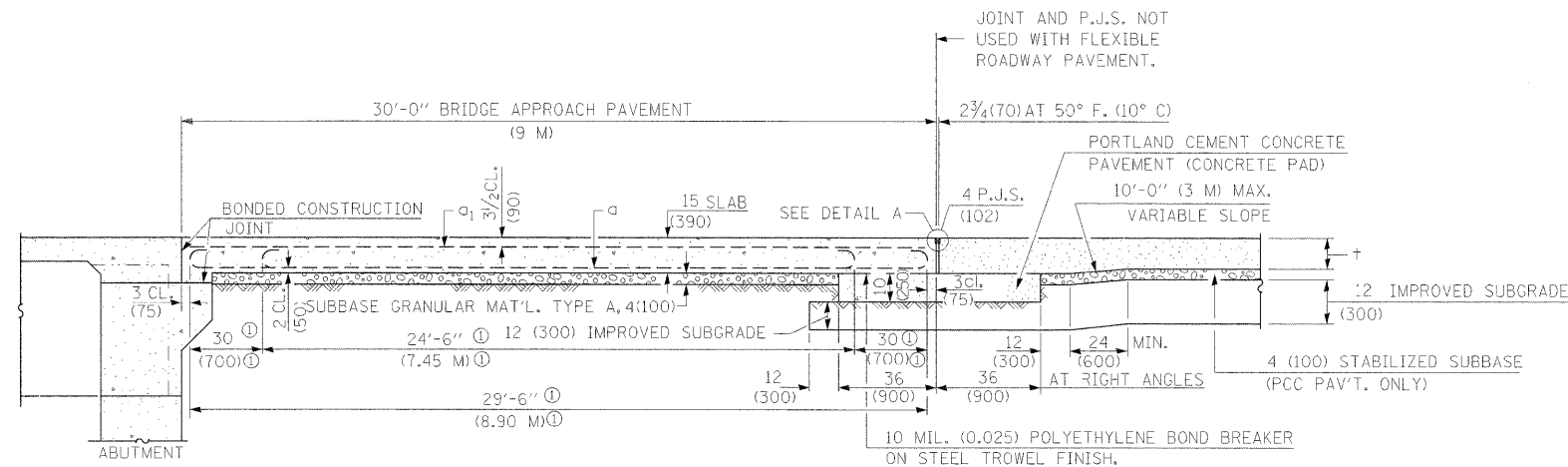


SECTION G-G - RIGID PAVEMENT



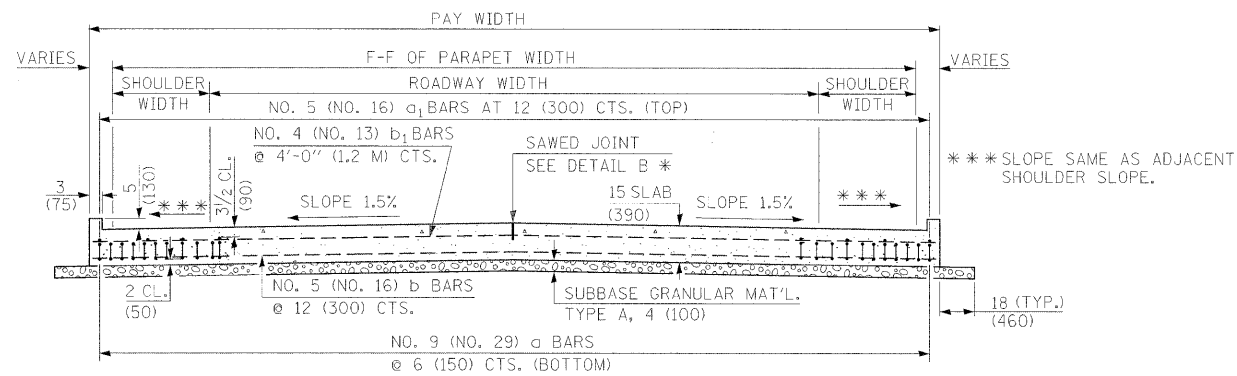
SECTION G-G - FLEXIBLE PAVEMENT

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE APPROACH PAVEMENT DETAIL</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					
SCALE:						SHEET NO. 2 OF 4 SHEETS		STA.	TO STA.		



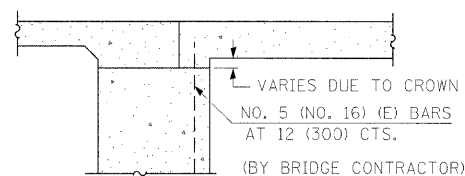
**SECTION C-C**

① STAGGER NO. 9 (NO. 29) A BARS AS SHOWN ON PLAN - FULL WIDTH



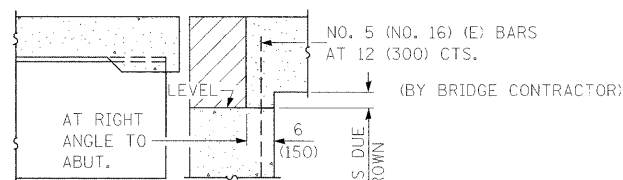
**SECTION D-D**

(SEE PLAN FOR DIMENSIONS NOT SHOWN)



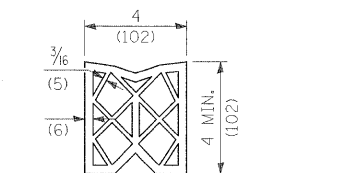
**SECTION E-E**

(INTEGRAL ABUTMENTS)

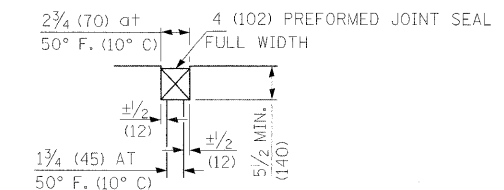


**SECTION E-E**

(JOINTED ABUTMENTS)

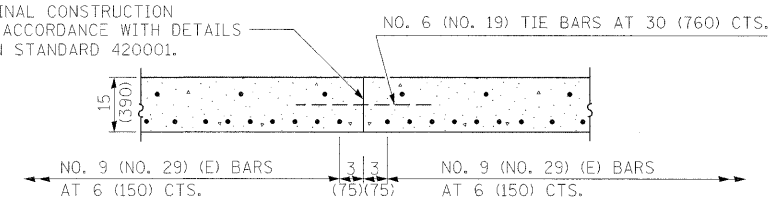


**PREFORMED JOINT SEAL**



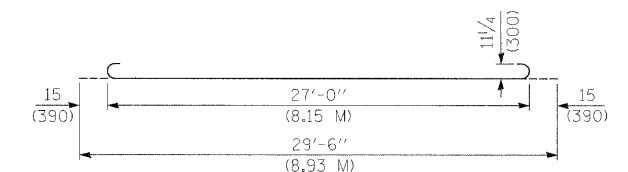
**DETAIL A**

LONGITUDINAL CONSTRUCTION JOINT IN ACCORDANCE WITH DETAILS SHOWN ON STANDARD 420001.

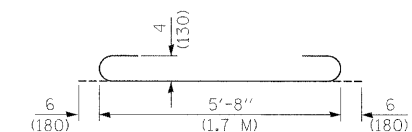


**OPTIONAL LONGITUDINAL CONSTRUCTION JOINT**

AS APPROVED BY THE ENGINEER, THE CONTRACTOR MAY ELECT TO REDUCE THE WIDTHS OF POUR BY USE OF THE OPTIONAL LONGITUDINAL CONSTRUCTION JOINT SHOWN. JOINTS SHALL BE LOCATED AT THE EDGE OF A TRAFFIC LANE.



**BAR a**



**BAR a<sub>2</sub>**

**DESIGN STRESSES**  
 $f_y = 60,000$  P.S.I. (400 MPa)  
 $f'_c = 3,500$  P.S.I. (24 MPa)  
 $n = 8.5$

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE APPROACH PAVEMENT DETAIL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p\dot\manntm\dms51935\p\In2206a.dgn		DRAWN -	REVISED -					325	3BR-2	JERSEY	90	40
PLOT SCALE = 28.0000' / IN.		CHECKED -	REVISED -					CONTRACT NO. 76B01				
PLOT DATE = 12/11/2008		DATE -	REVISED -					FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.					







STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

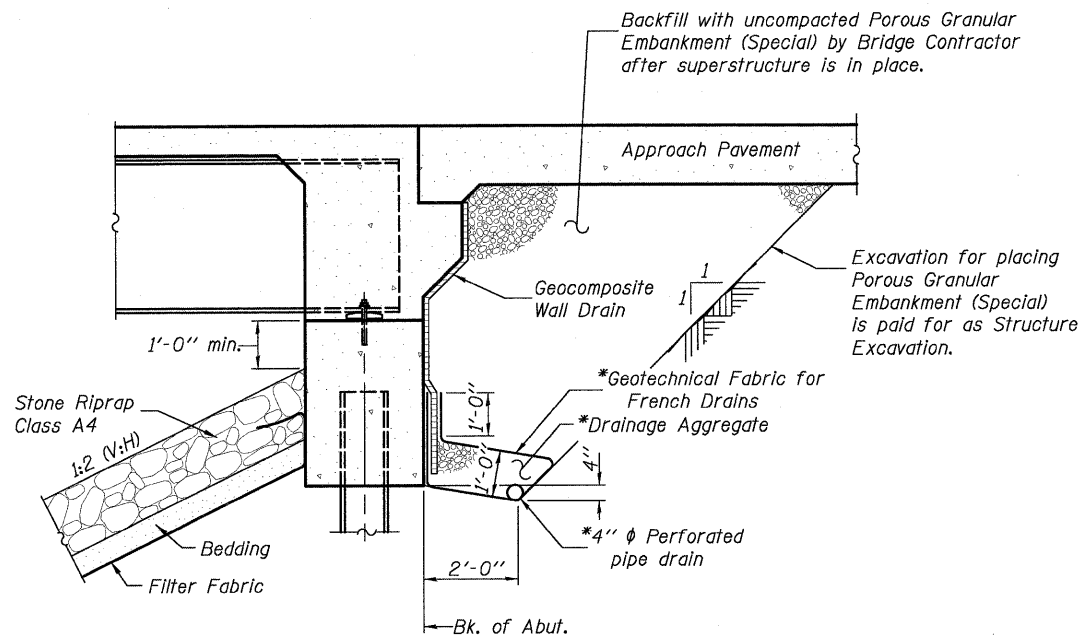
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	—	98	98
Stone Riprap, Class A4	Sq. Yd.	—	544	544
Filter Fabric	Sq. Yd.	—	544	544
Removal of Existing Structures	Each	—	—	1
Structure Excavation	Cu. Yd.	—	142	142
Floor Drains	Each	8	—	8
Concrete Structures	Cu. Yd.	—	32.0	32.0
Concrete Superstructure	Cu. Yd.	91.9	—	91.9
Bridge Deck Grooving	Sq. Yd.	210	—	210
Concrete Encasement	Cu. Yd.	—	4.2	4.2
** Protective Coat	Sq. Yd.	277	—	277
Furnishing and Erecting Structural Steel	L. Sum	1	—	1
Stud Shear Connectors	Each	1,116	—	1,116
Reinforcement Bars, Epoxy Coated	Pound	18,130	6,080	24,210
Bar Splicers	Each	264	18	282
Furnishing Steel Piles HP 12x53	Foot	—	660	660
Driving Piles	Foot	—	660	660
Pile Shoes	Each	—	12	12
Temporary Sheet Piling	Sq. Ft.	—	—	866
Name Plates	Each	1	—	1
Anchor Bolts, 1"	Each	—	24	24
Geocomposite Wall Drain	Sq. Yd.	—	56	56
Pipe Underdrains for Structures 4"	Foot	—	170	170
Asbestos Bearing Pad Removal	Each	22	—	22

\*\* Quantity includes top of concrete surface of bridge deck back to back of abutments and the top and inside vertical faces of the parapets

**GENERAL NOTES**

- The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure. If the Contractor's procedures for existing beam removal involves placement of heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Structures.
- Piles shall be driven through 24" diameter precored holes extending to elevation 439.0 (East Abutment) and elevation 439.0 (West Abutment) according to Article 512.09(c) of the Standard Specifications. Excavation and footing removal optional per Contractor. Cost included in Driving Piles.
- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4 in. φ, holes 5/16 in. φ, unless otherwise noted.
- Calculated weight of Structural Steel = 57,610 lbs.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
- The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- Slipforming of the parapets is not allowed.

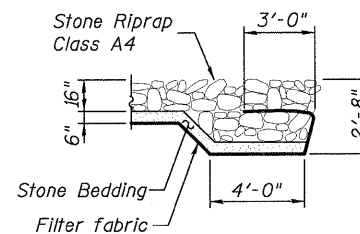


**SECTION THRU INTEGRAL ABUTMENT**  
(Horiz. dim. @ Rt. L's)

\*Included in the cost of Pipe Underdrains for Structures.

**Note:**

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



**STONE RIPRAP FLANK DETAIL**

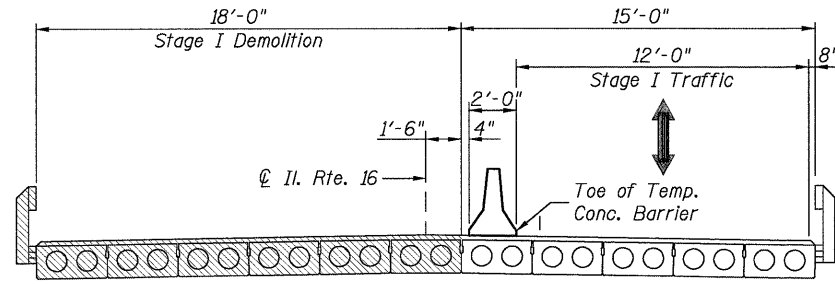
DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

**GENERAL DATA**

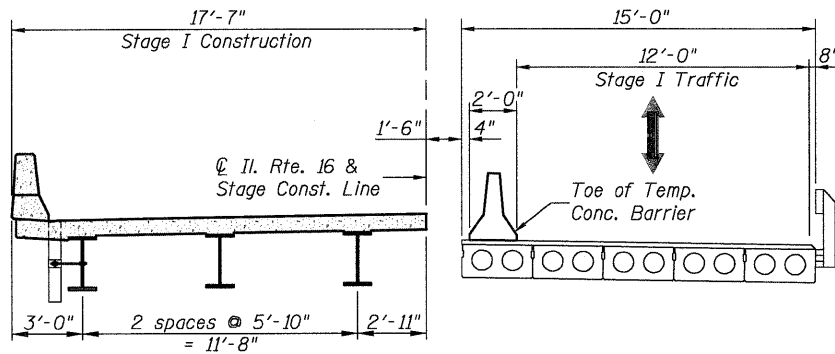
SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	96	43
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

042004L76B01.03-STAG.DGN NOV. 26, 2008

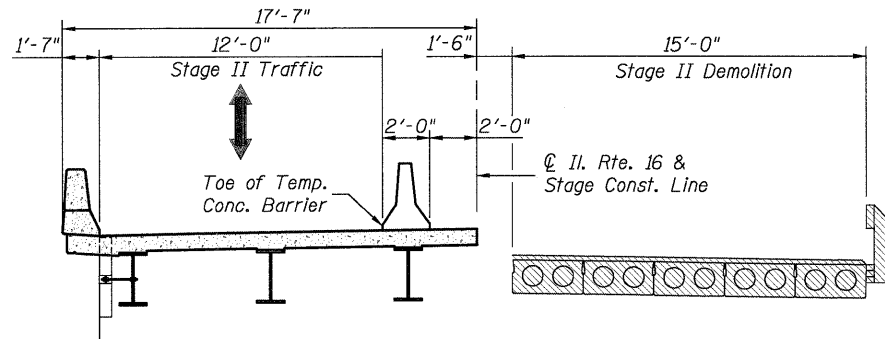
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



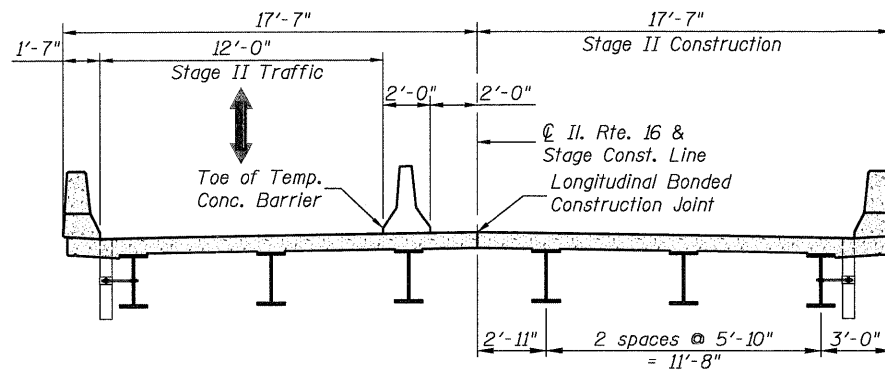
**STAGE I DEMOLITION**  
(Looking East)



**STAGE I CONSTRUCTION**  
(Looking East)



**STAGE II DEMOLITION**  
(Looking East)

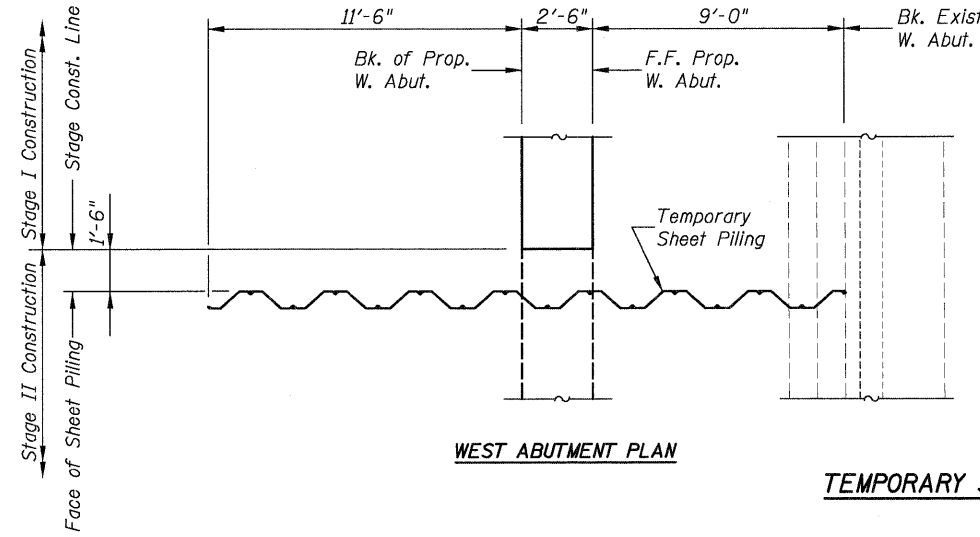


**STAGE II CONSTRUCTION**  
(Looking East)

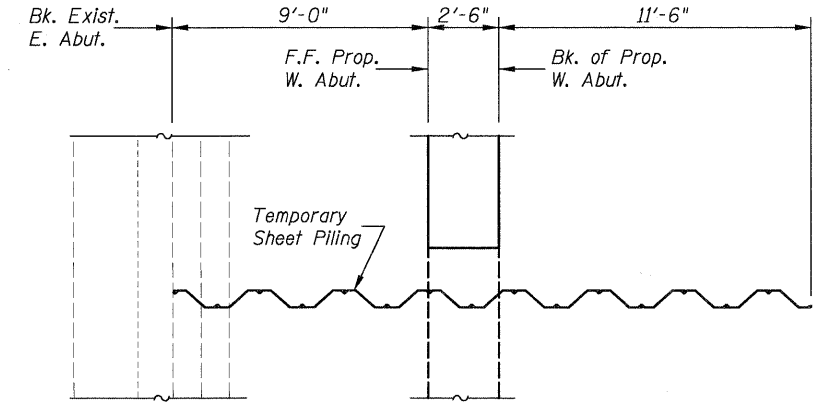
DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

**NOTES**

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal, including plan details and calculations, will be required for review and acceptance by the Engineer. The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

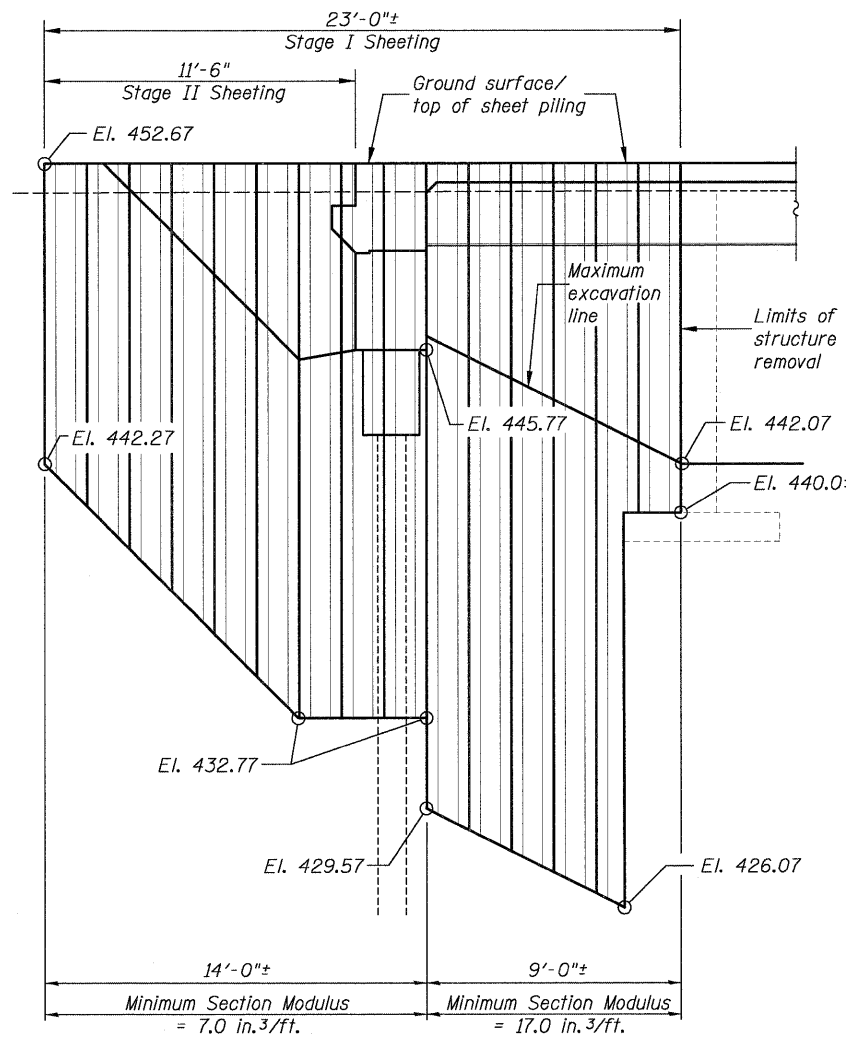


**WEST ABUTMENT PLAN**

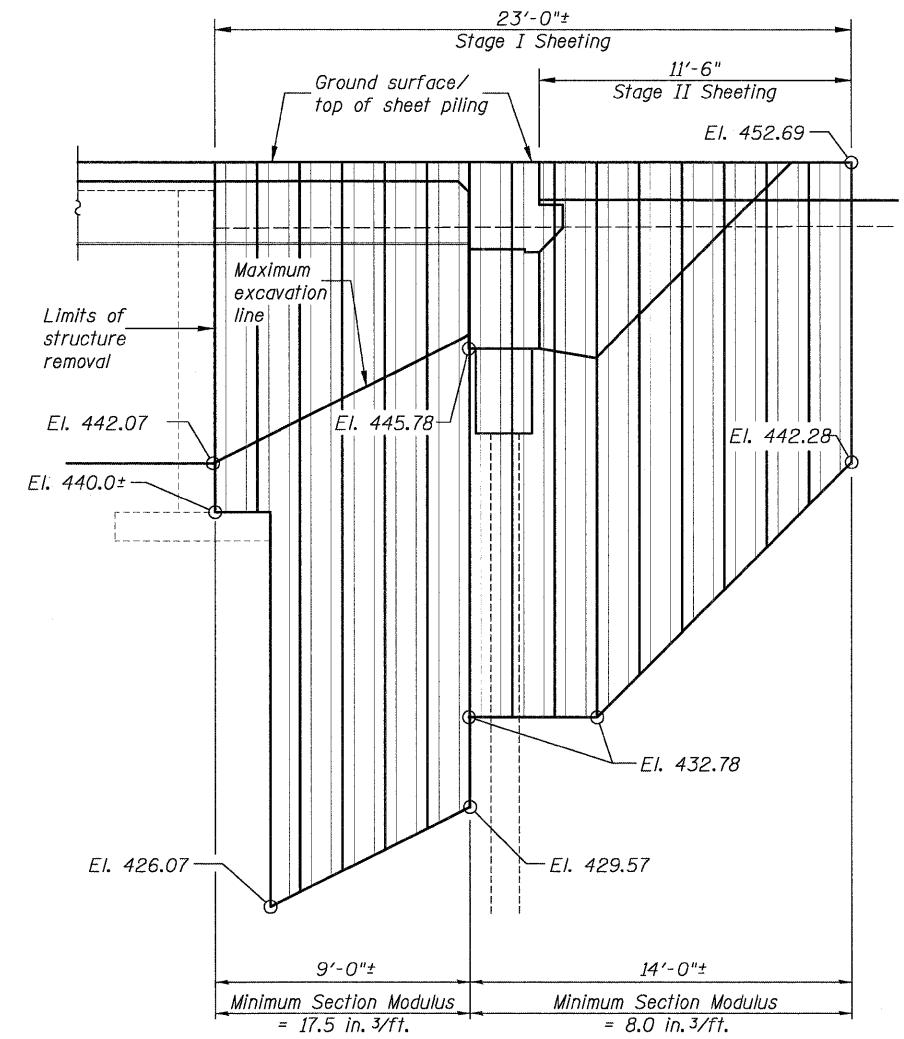


**EAST ABUTMENT PLAN**

**TEMPORARY SHEET PILING PLAN**



**WEST ABUTMENT ELEVATION**



**EAST ABUTMENT ELEVATION**

**TEMPORARY SHEET PILING ELEVATION**

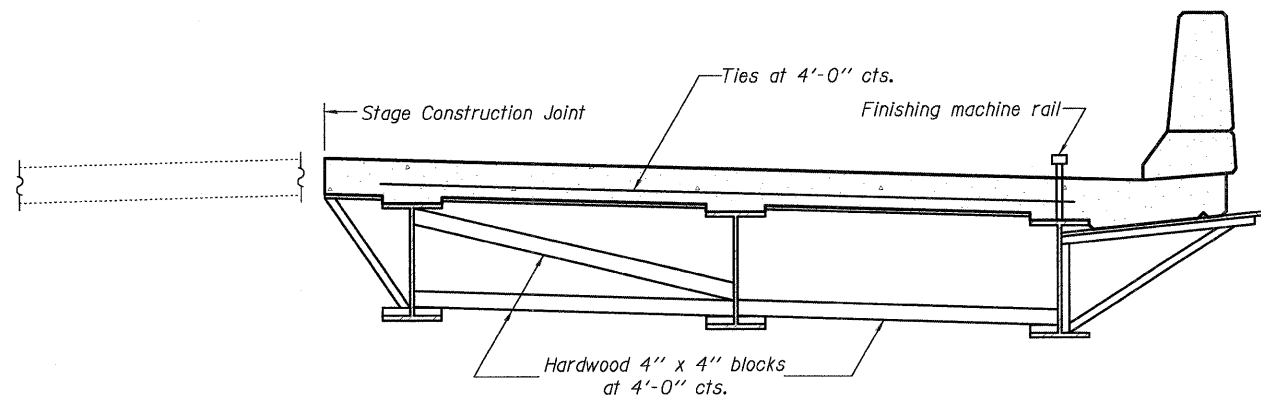
**STAGE CONSTRUCTION DETAILS**

SHEET NO. 3 21 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	44
S.N. 042-0041			CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

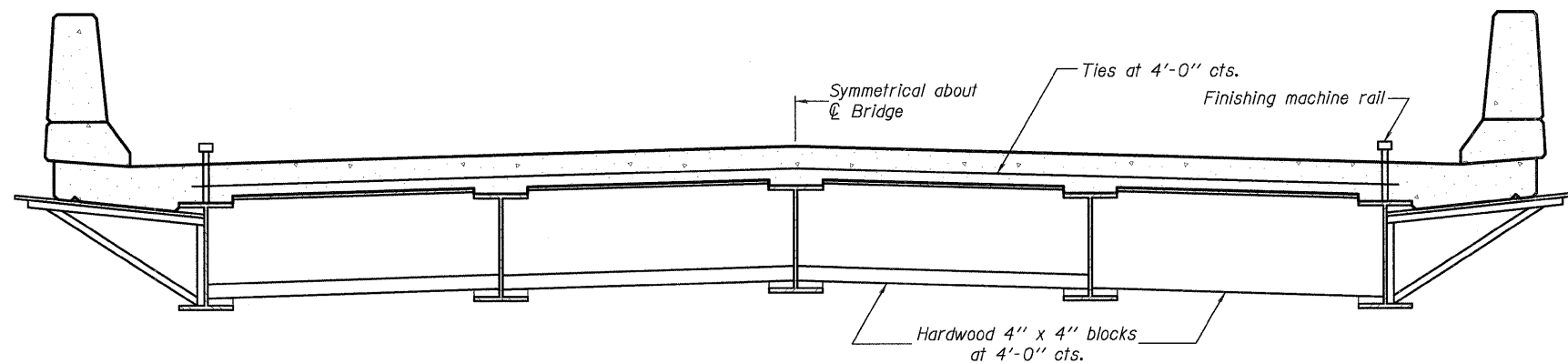


042004L76B01.05.FRM.B.DGN AUG. 20, 2008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**FORM BRACES FOR STAGE CONSTRUCTION**



**FORM BRACES FOR STANDARD CONSTRUCTION**

When cantilever forming brackets are used, the work shall be done according to Article 503.06(b) of the Standard Specifications, except as modified below and in the details shown on this sheet.

The finishing machine rails shall be placed on the top flange of the exterior beams.

The beams or girders, supporting cantilever forming brackets, shall be tied together at 4 foot intervals.

For Standard construction, or Stage Construction the Hardwood bracing materials shall be placed as shown between webs of beams in each bay.

DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SB-1 5-16-08

**CANTILEVER FORMING BRACKETS FOR SUPERSTRUCTURES  
WITH W27 BEAMS AND SMALLER**

SHEET NO. 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	46
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.III



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BEAM #1**

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	119+46.50	-14.58	452.45	452.45
⊕ Brg. W. Abut.	119+47.75	-14.58	452.45	452.45
A	119+57.75	-14.58	452.46	452.51
B	119+67.75	-14.58	452.47	452.55
C	119+77.75	-14.58	452.47	452.57
D	119+87.75	-14.58	452.47	452.56
E	119+97.75	-14.58	452.47	452.52
⊕ Brg. E. Abut.	120+08.25	-14.58	452.46	452.46
Bk. E. Abut.	120+09.50	-14.58	452.46	452.46

**BEAM #2**

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	119+46.50	-8.75	452.55	452.55
⊕ Brg. W. Abut.	119+47.75	-8.75	452.55	452.55
A	119+57.75	-8.75	452.57	452.61
B	119+67.75	-8.75	452.57	452.65
C	119+77.75	-8.75	452.58	452.67
D	119+87.75	-8.75	452.58	452.66
E	119+97.75	-8.75	452.57	452.62
⊕ Brg. E. Abut.	120+08.25	-8.75	452.57	452.57
Bk. E. Abut.	120+09.50	-8.75	452.57	452.57

**BEAM #3**

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	119+46.50	-2.92	452.64	452.64
⊕ Brg. W. Abut.	119+47.75	-2.92	452.64	452.64
A	119+57.75	-2.92	452.66	452.70
B	119+67.75	-2.92	452.66	452.75
C	119+77.75	-2.92	452.67	452.76
D	119+87.75	-2.92	452.67	452.75
E	119+97.75	-2.92	452.67	452.71
⊕ Brg. E. Abut.	120+08.25	-2.92	452.66	452.66
Bk. E. Abut.	120+09.50	-2.92	452.66	452.66

**⊕ ROADWAY, P.G. AND STAGE CONSTRUCTION JOINT**

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	119+46.50	0.00	452.69	452.69
⊕ Brg. W. Abut.	119+47.75	0.00	452.69	452.69
A	119+57.75	0.00	452.70	452.75
B	119+67.75	0.00	452.71	452.79
C	119+77.75	0.00	452.71	452.81
D	119+87.75	0.00	452.71	452.80
E	119+97.75	0.00	452.71	452.76
⊕ Brg. E. Abut.	120+08.25	0.00	452.70	452.70
Bk. E. Abut.	120+09.50	0.00	452.70	452.70

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

*Notes:*  
1. Elevations are at Top of Concrete.  
2. See Sheet 6 for elevation locations.

**TOP OF SLAB ELEVATIONS**

SHEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	48
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



042004L76B01.08.TSEL.DGN AUG. 26, 2008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BEAM #4**

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	119+46.50	2.92	452.64	452.64
⊙ Brg. W. Abut.	119+47.75	2.92	452.64	452.64
A	119+57.75	2.92	452.66	452.70
B	119+67.75	2.92	452.66	452.75
C	119+77.75	2.92	452.67	452.76
D	119+87.75	2.92	452.67	452.75
E	119+97.75	2.92	452.67	452.71
⊙ Brg. E. Abut.	120+08.25	2.92	452.66	452.66
Bk. E. Abut.	120+09.50	2.92	452.66	452.66

**BEAM #5**

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	119+46.50	8.75	452.55	452.55
⊙ Brg. W. Abut.	119+47.75	8.75	452.55	452.55
A	119+57.75	8.75	452.57	452.61
B	119+67.75	8.75	452.57	452.65
C	119+77.75	8.75	452.58	452.67
D	119+87.75	8.75	452.58	452.66
E	119+97.75	8.75	452.57	452.62
⊙ Brg. E. Abut.	120+08.25	8.75	452.57	452.57
Bk. E. Abut.	120+09.50	8.75	452.57	452.57

**BEAM #6**

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	119+46.50	14.58	452.45	452.45
⊙ Brg. W. Abut.	119+47.75	14.58	452.45	452.45
A	119+57.75	14.58	452.46	452.51
B	119+67.75	14.58	452.47	452.55
C	119+77.75	14.58	452.47	452.57
D	119+87.75	14.58	452.47	452.56
E	119+97.75	14.58	452.47	452.52
⊙ Brg. E. Abut.	120+08.25	14.58	452.46	452.46
Bk. E. Abut.	120+09.50	14.58	452.46	452.46

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

*Notes:*  
1. Elevations are at Top of Concrete.  
2. See Sheet 6 for elevation locations.

**TOP OF SLAB ELEVATIONS**

SHEET NO. 8	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	96	49
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.III

042004L76B01L09\_WAPP.DGN AUG. 26, 2008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**NORTH APPROACH CURB LINE**

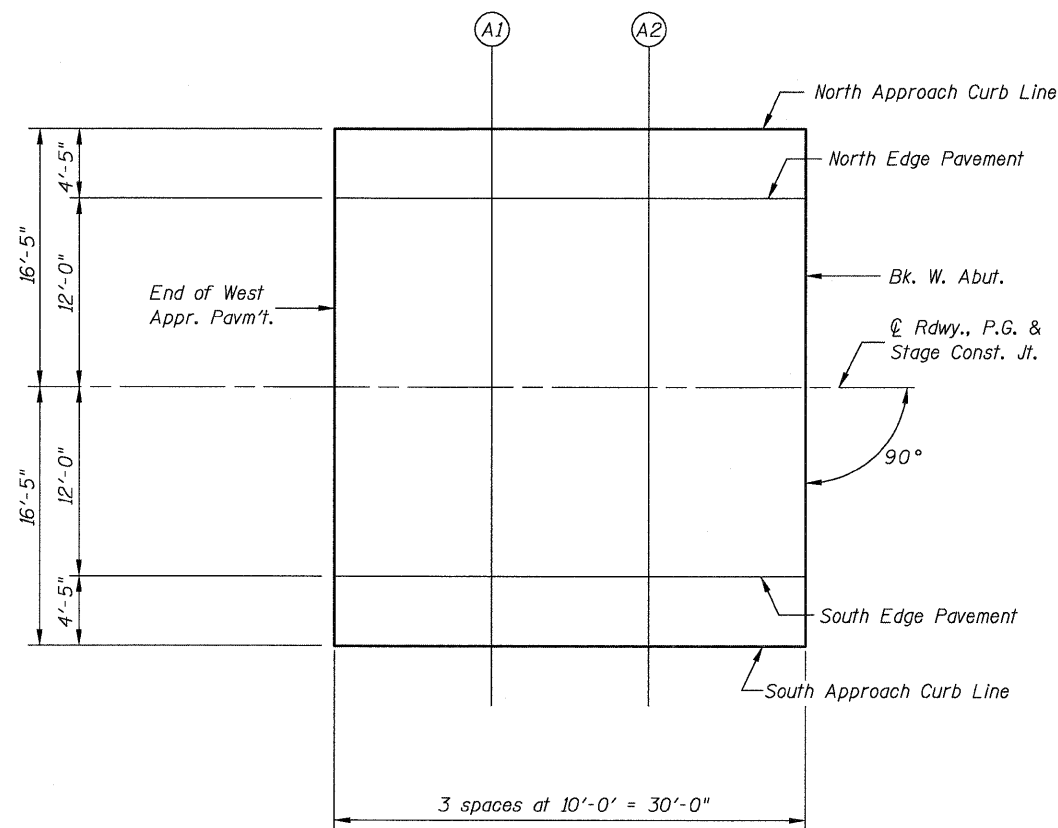
Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	119+16.50	-16.42	452.35
A1	119+26.50	-16.42	452.37
A2	119+36.50	-16.42	452.39
Bk. W. Abut.	119+46.50	-16.42	452.41

**NORTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	119+16.50	-12.00	452.44
A1	119+26.50	-12.00	452.46
A2	119+36.50	-12.00	452.48
Bk. W. Abut.	119+46.50	-12.00	452.50

**☉ ROADWAY & PROFILE GRADE LINE**

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	119+16.50	0.00	452.63
A1	119+26.50	0.00	452.65
A2	119+36.50	0.00	452.67
Bk. W. Abut.	119+46.50	0.00	452.69



**WEST APPROACH PLAN**

**SOUTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	119+16.50	12.00	452.44
A1	119+26.50	12.00	452.46
A2	119+36.50	12.00	452.48
Bk. W. Abut.	119+46.50	12.00	452.50

**SOUTH APPROACH CURB LINE**

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	119+16.50	16.42	452.35
A1	119+26.50	16.42	452.37
A2	119+36.50	16.42	452.39
Bk. W. Abut.	119+46.50	16.42	452.41

**TOP OF WEST APPROACH PAVEMENT ELEVATIONS**

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 9 21 SHEETS	F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 50
	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

0420041\_76B01\_ID\_EAPP.DGN AUG. 20, 2008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**NORTH APPROACH CURB LINE**

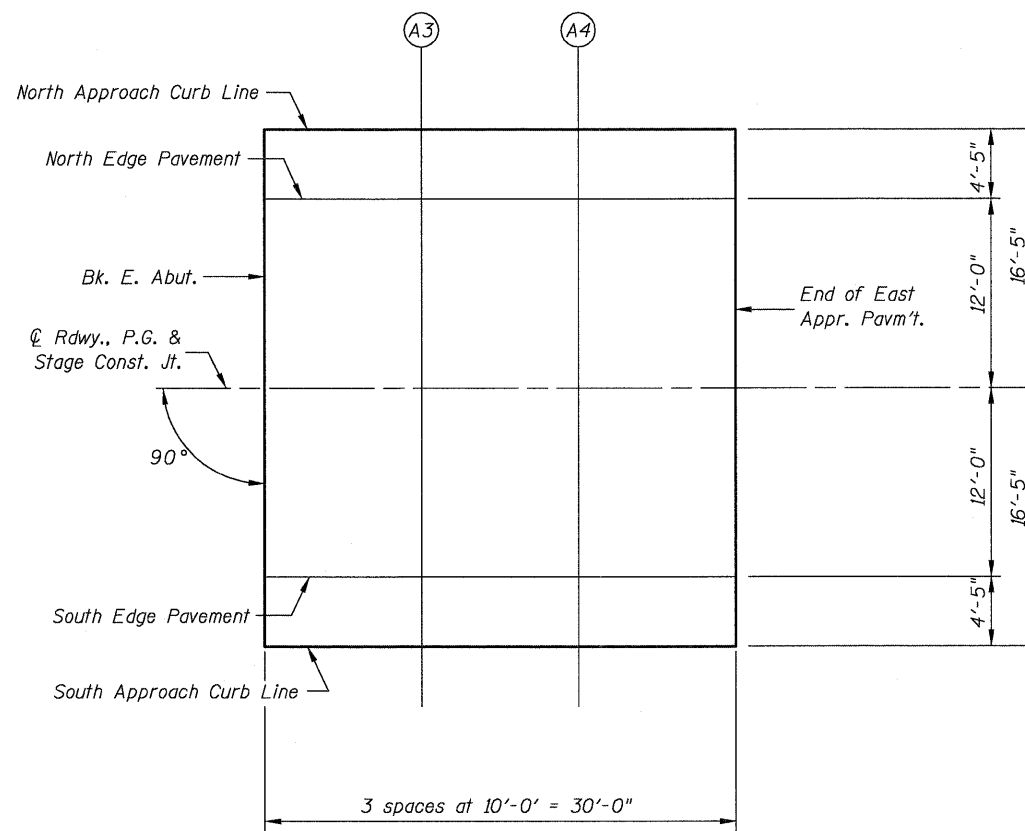
Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	120+09.50	-16.42	452.42
A3	120+19.50	-16.42	452.41
A4	120+29.50	-16.42	452.39
End E. Appr. Pav't	120+39.50	-16.42	452.37

**NORTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	120+09.50	-12.00	452.51
A3	120+19.50	-12.00	452.50
A4	120+29.50	-12.00	452.49
End E. Appr. Pav't	120+39.50	-12.00	452.47

**☉ ROADWAY & PROFILE GRADE LINE**

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	120+09.50	0.00	452.70
A3	120+19.50	0.00	452.69
A4	120+29.50	0.00	452.67
End E. Appr. Pav't	120+39.50	0.00	452.65



**EAST APPROACH PLAN**



**SOUTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	120+09.50	12.00	452.51
A3	120+19.50	12.00	452.50
A4	120+29.50	12.00	452.49
End E. Appr. Pav't	120+39.50	12.00	452.47

**SOUTH APPROACH CURB LINE**

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	120+09.50	16.42	452.42
A3	120+19.50	16.42	452.41
A4	120+29.50	16.42	452.39
End E. Appr. Pav't	120+39.50	16.42	452.37

**TOP OF EAST APPROACH  
PAVEMENT ELEVATIONS**

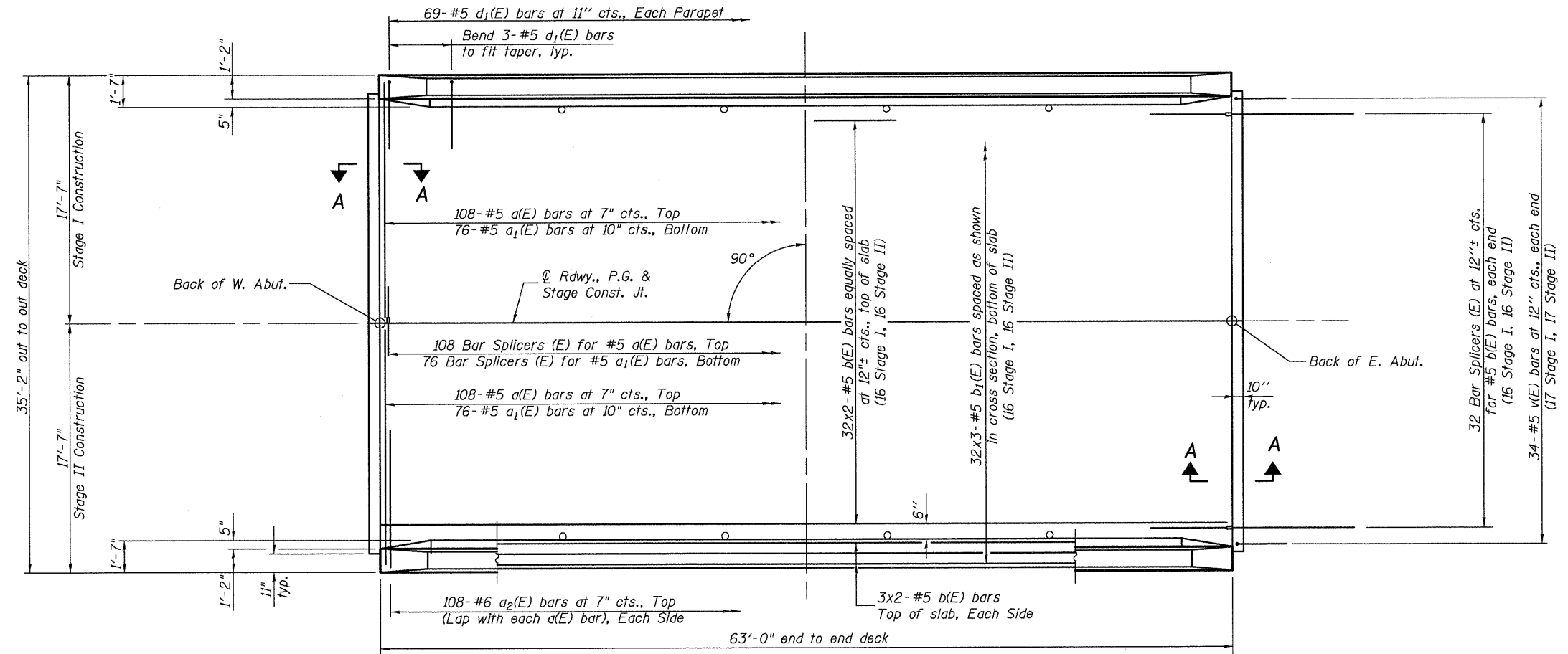
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 10	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	51
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.III

0420041.76B01.II\_SSTR.DGN DEC. 1, 2008

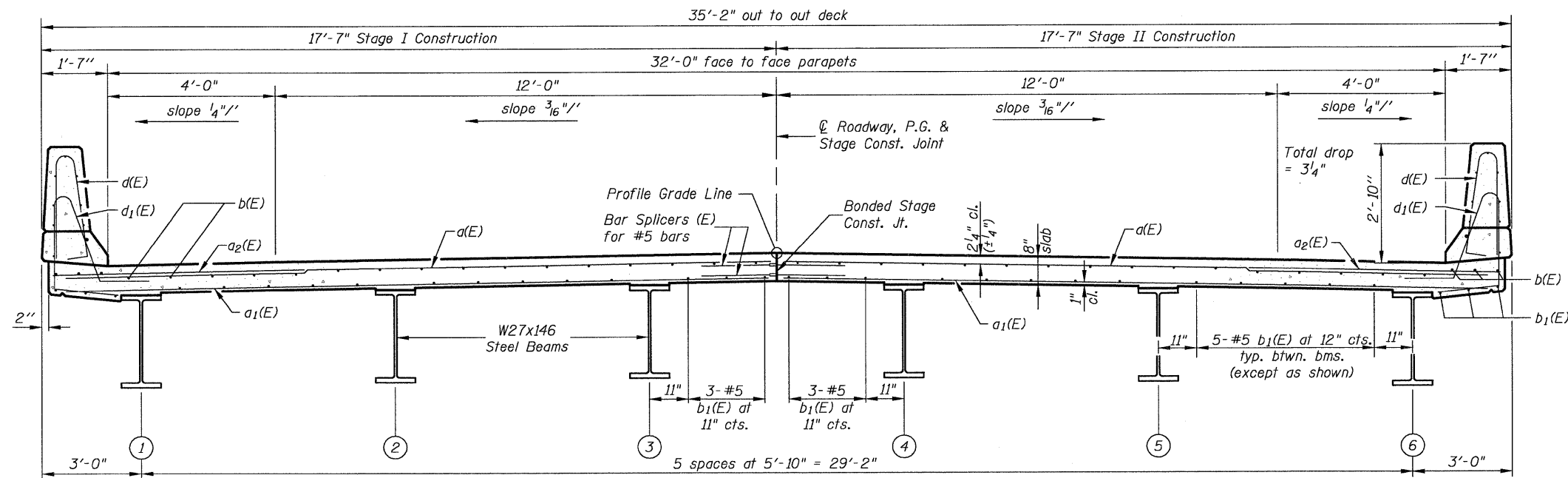
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



PLAN

**MIN. BAR LAP**

#5 bar = 2'-2"



**CROSS SECTION**  
(Looking East)

Notes:  
See Sheet 12 of 21 for superstructure details and Bill of Material.  
Bars indicated thus 32 x 2-#5 etc. indicates 32 lines of bars with 2 lengths per line.  
See Sheet 12 of 21 for parapet reinforcement.  
Section A-A shown on sheet 13 of 21.

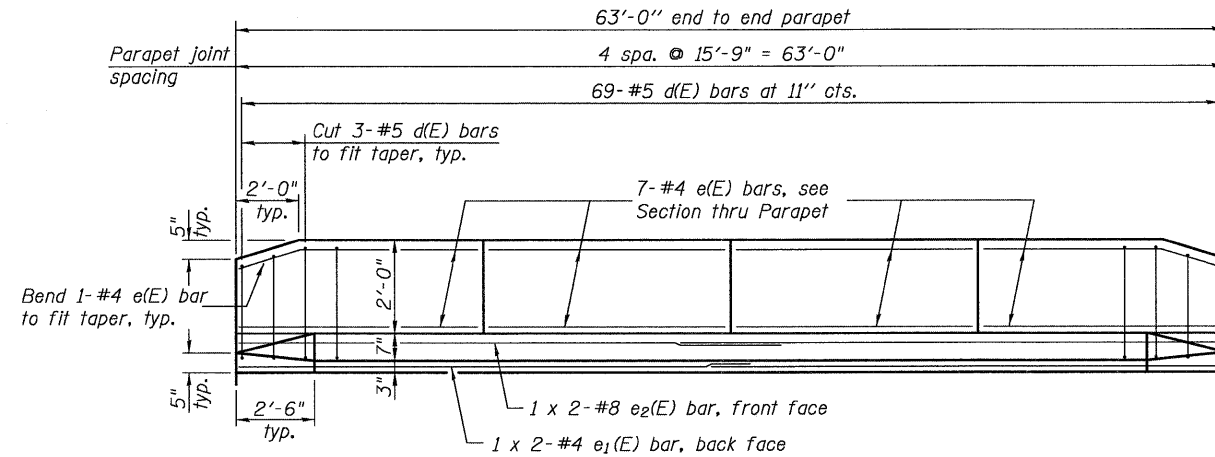
DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

**SUPERSTRUCTURE**

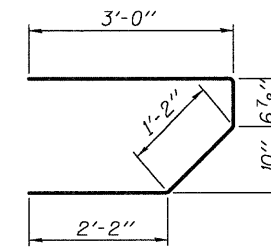
SHEET NO. 11	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	52
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.III

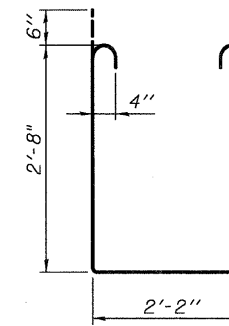
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



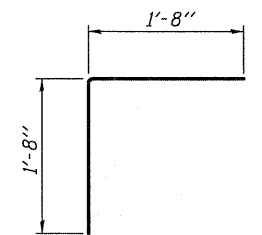
**INSIDE ELEVATION OF PARAPET**



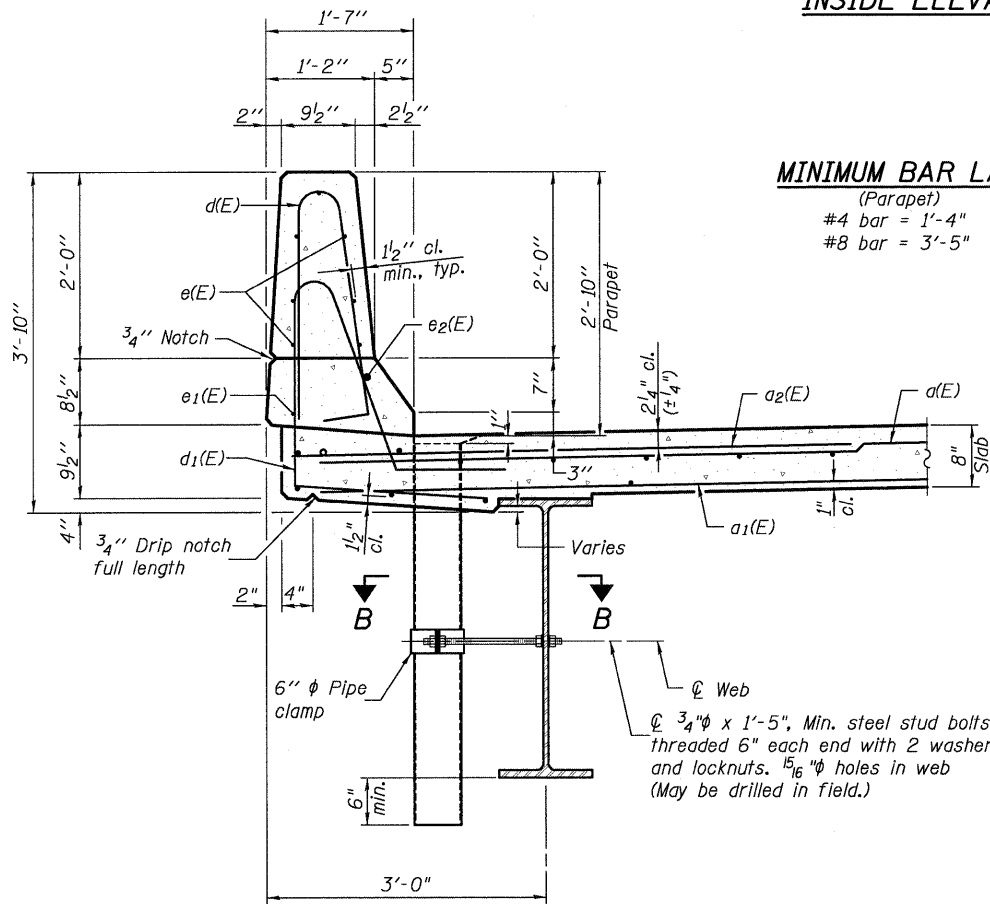
**BAR s(E)**



**BAR s1(E)**



**BAR v(E)**

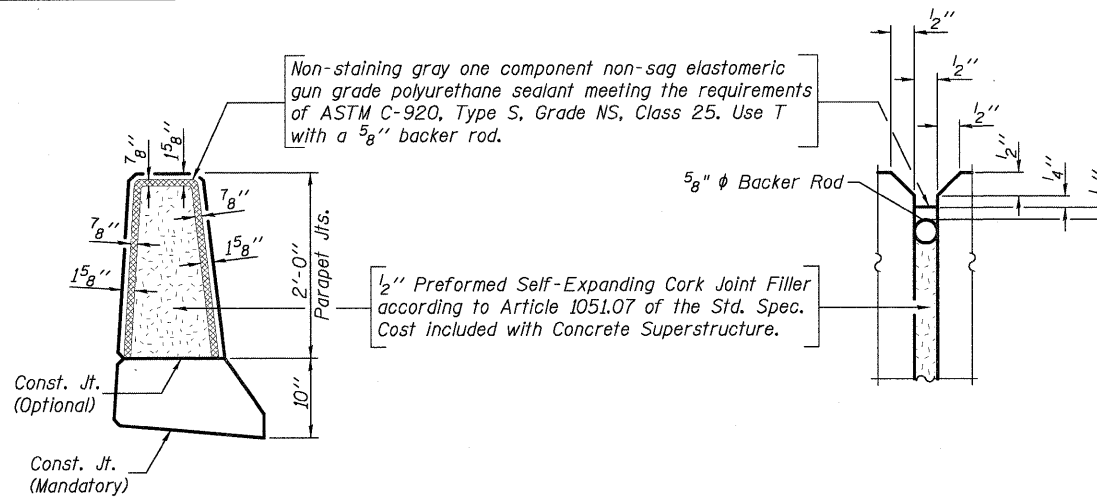


**SECTION THRU PARAPET**

**MINIMUM BAR LAP**

(Parapet)  
#4 bar = 1'-4"  
#8 bar = 3'-5"

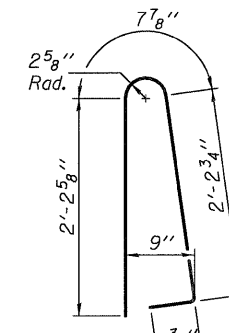
Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.



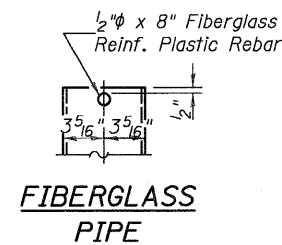
**PARAPET JOINT DETAILS**

**Notes:**

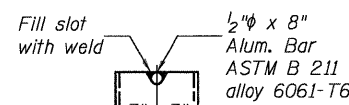
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Society of Protective Coatings Spec. SSPC-SP1 prior to painting.  
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.



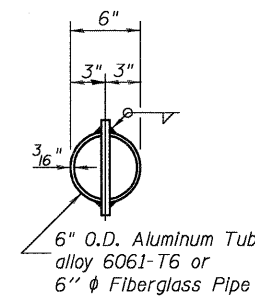
**BAR d(E)**



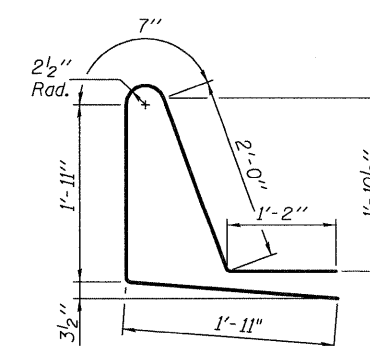
**FIBERGLASS PIPE**



**ALUMINUM TUBE**



**TOP PLAN**  
(Showing Aluminum Tube)



**BAR d1(E)**

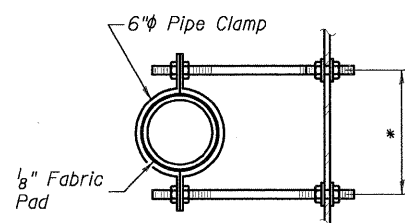
**SUPERSTRUCTURE  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	216	#5	17'-1"	—
a1(E)	152	#5	16'-6"	—
a2(E)	216	#6	6'-0"	—
b(E)	76	#5	32'-5"	—
b1(E)	96	#5	22'-4"	—
d(E)	138	#5	5'-7"	⌒
d1(E)	138	#5	7'-7"	⌒
e(E)	56	#4	15'-6"	—
e1(E)	4	#4	32'-0"	—
e2(E)	4	#8	33'-1"	—
m(E)	8	#6	16'-5"	—
m1(E)	12	#6	17'-3"	—
m2(E)	24	#6	7'-6"	—
m3(E)	8	#6	5'-6"	—
m4(E)	8	#6	2'-7"	—
s(E)	72	#5	6'-11"	⌒
s1(E)	64	#4	8'-6"	⌒
v(E)	68	#5	3'-4"	⌒
Reinforcement Bars, Epoxy Coated		Pound	18,130	
Concrete Superstructure		Cu. Yds.	91.9	

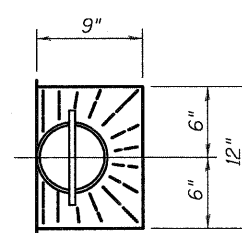
Bars Indicated thus 1 x 2-#8 etc., indicates 1 line of bars with 2 lengths per line.

**SUPERSTRUCTURE DETAILS**

DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.



**SECTION B-B**  
\* Dimension as required by Pipe Clamp

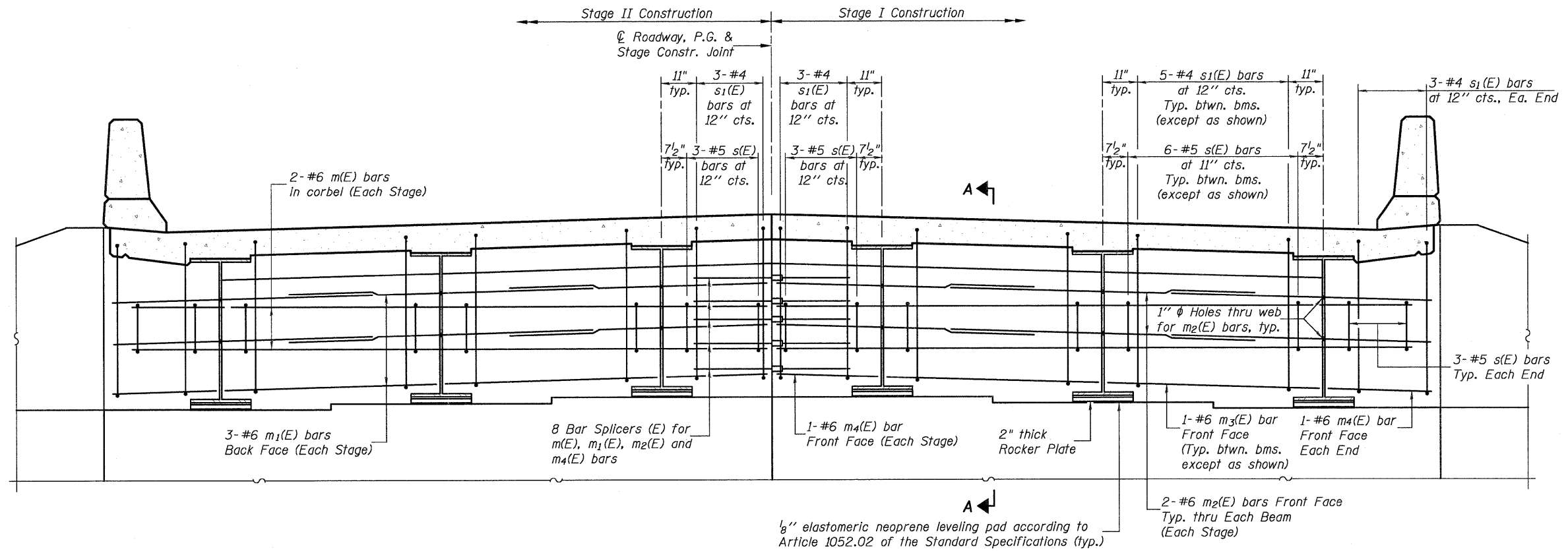


**TOP PLAN**

SHEET NO. 12	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	53
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

0420041\_76B01.I3.D1AF.DGN AUG. 29, 2008

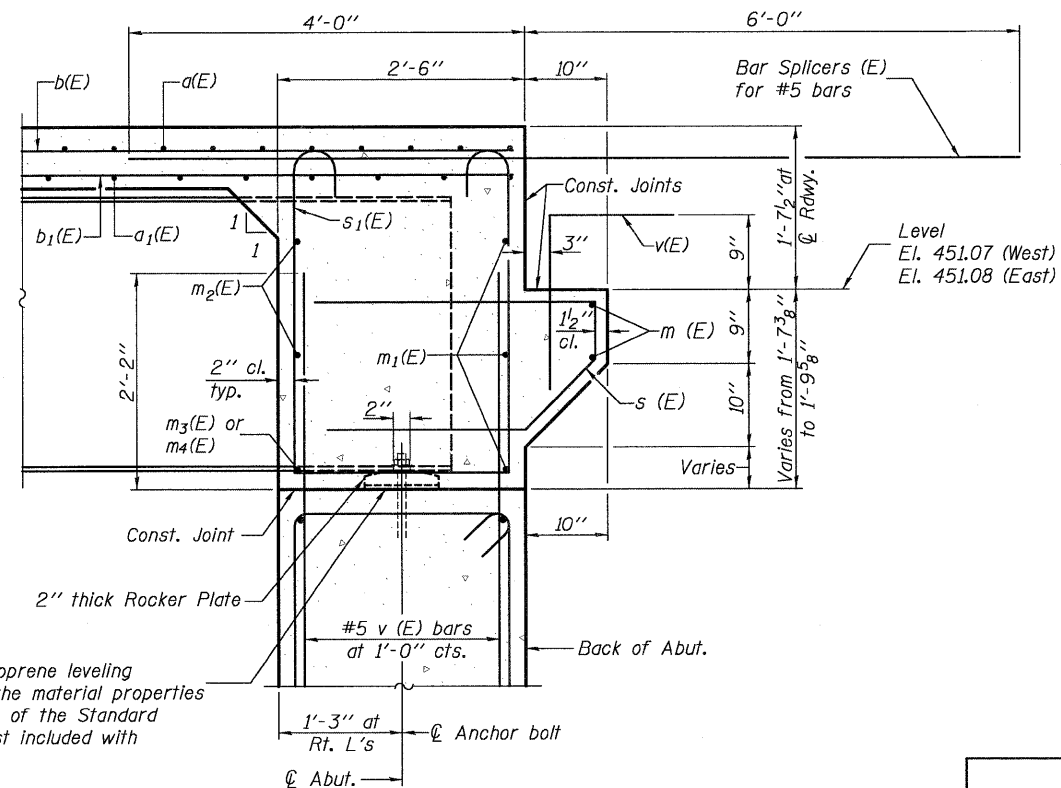
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**DIAPHRAGM ELEVATION AT WEST ABUTMENT**  
(Looking West)

**Notes:**  
Reinforcement bars in diaphragm are billed with superstructure on sheet 12 of 21.  
Concrete in diaphragm is included with Concrete Superstructure on sheet 12 of 21.  
For details of bars s(E) & s<sub>1</sub>(E) see sheet 12 of 21.  
The s(E) and s<sub>1</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

**MIN. BAR LAP**  
#6 bar = 2'-7"



**SECTION A-A**

**INTEGRAL ABUTMENT DIAPHRAGM DETAILS**

DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

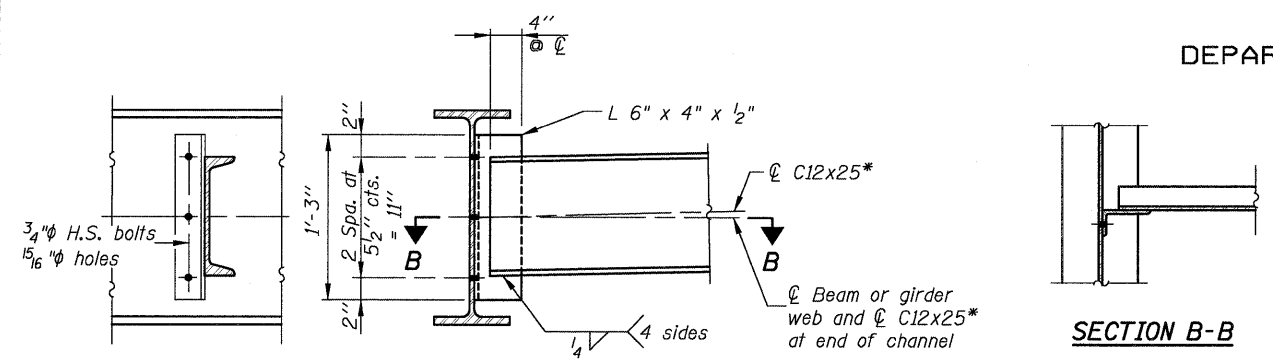
SI-DS2      5-16-08

SHEET NO. 13 21 SHEETS	F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 54
	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO.    ILLINOIS    FED. AID PROJECT					

H.M. & G. NO. 6020.III

042004L76B01L4\_FRMG.DGN DEC. 1, 2008

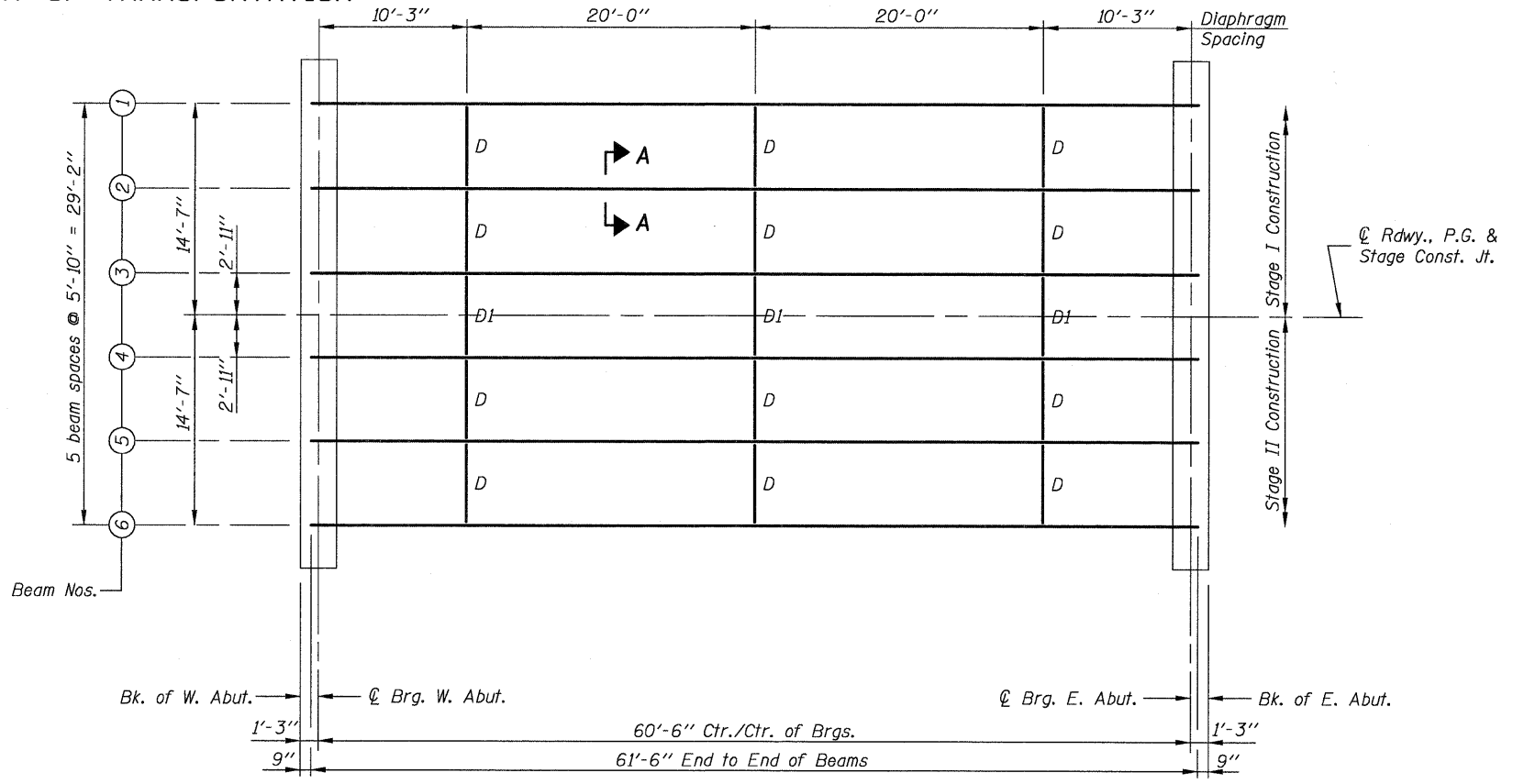
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**SECTION B-B**

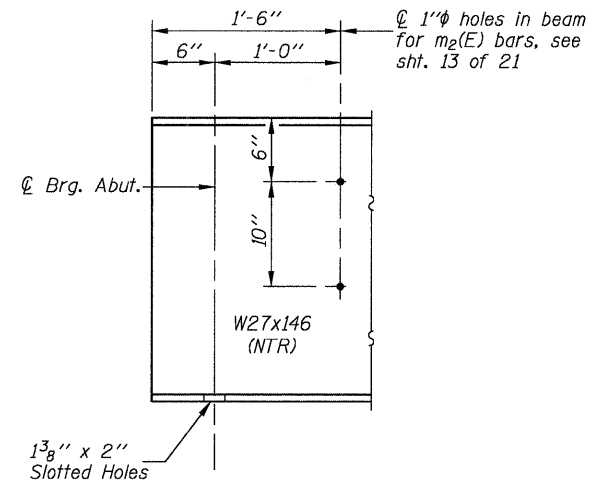
\* Alternate channel C12x30 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.

**DIAPHRAGM D**  
(12 Required)

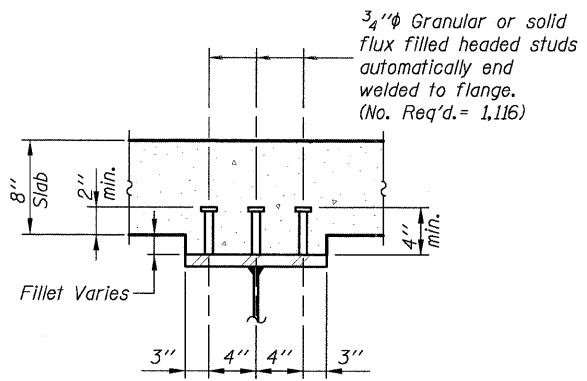


**FRAMING PLAN**

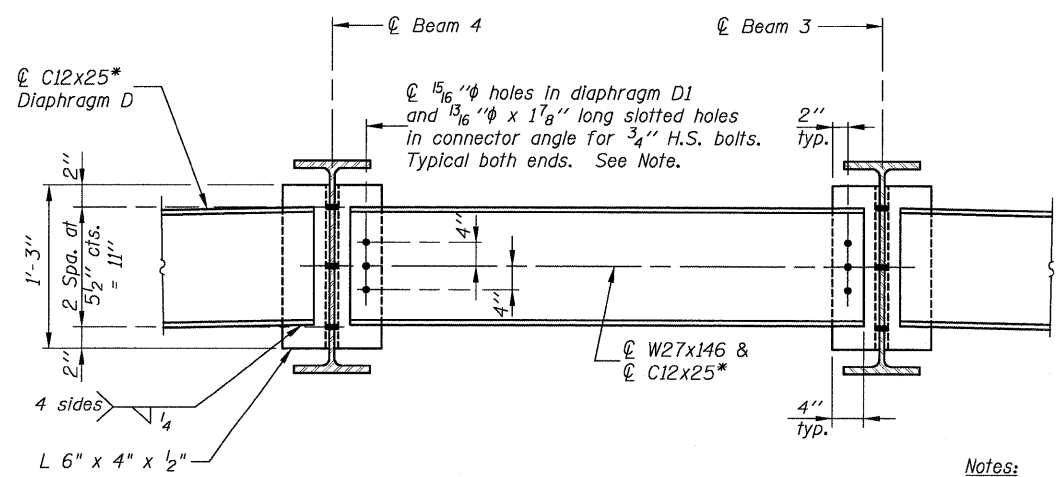
All Beams are W27x146 (NTR) and AASHTO M270, Gr. 50.



**TYP. END OF BEAM ELEVATION**



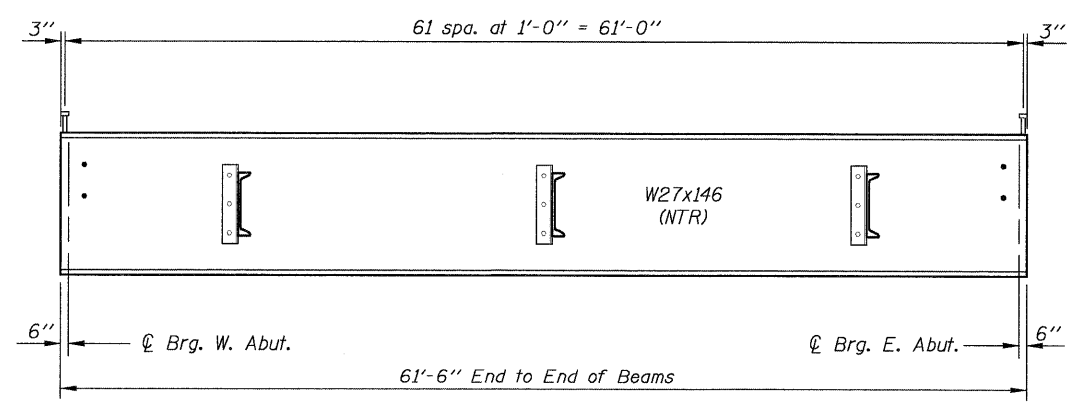
**SECTION A-A**



**DIAPHRAGM D1**  
(3 Required)

**Notes:**

Two hardened washers required for each set of oversized holes.  
All cross frames or diaphragms between beams or girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.  
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.  
Bolts in slots shall be finger tight until the second stage pour is complete. Position slots so bolts start at one end with no concrete load and finish near the opposite end under deck load allowing maximum displacement without laterally stressing main members. All holes shall have appropriate hardened or plate washers.



**BEAM ELEVATION**

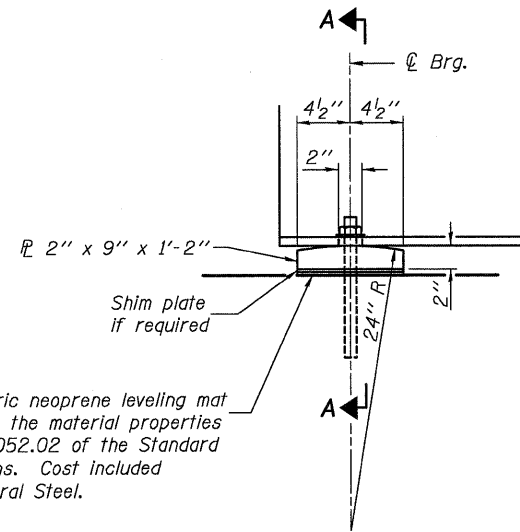
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

**STRUCTURAL STEEL**

SHEET NO. 14 21 SHEETS	F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 55
	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

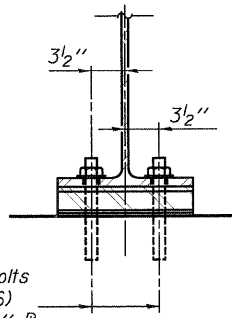
H.M. & G. INC. 6020.III

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



1/8" elastomeric neoprene leveling mat according to the material properties of Article 1052.02 of the Standard Specifications. Cost included with Structural Steel.

**ELEVATION AT ABUTMENT**



1" φ x 12" anchor bolts (ASTM F1554 Grade 36) with 2 1/4" x 2 1/4" x 5/16" plate washer under nut. 1 3/8" x 2" slotted hole in flange. 1 1/2" φ holes in bearing plate.

**SECTION A-A**

**FIXED BEARING**

Notes:  
Anchor bolts at fixed bearings may be built into the masonry.

**TOP OF BEAM ELEVATIONS**

(For Fabrication Only)

Beam No.	W. Abut.	E. Abut.
1	451.728	451.741
2	451.832	451.846
3	451.923	451.937
4	451.923	451.937
5	451.832	451.846
6	451.728	451.741

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All bearing plates and pintles shall conform to the requirements of AASHTO M 270, Grade 50.

INTERIOR GIRDER MOMENT TABLE		
0.5 Span		
$I_s$	(in <sup>4</sup> )	5,630
$I_c(n)$	(in <sup>4</sup> )	14,364
$I_c(3n)$	(in <sup>4</sup> )	10,367
$S_s$	(in <sup>3</sup> )	411
$S_c(n)$	(in <sup>3</sup> )	587
$S_c(3n)$	(in <sup>3</sup> )	528
DC1	(k/ft)	0.77
M <sub>DC1</sub>	(k)	352
DC2	(k/ft)	0.15
M <sub>DC2</sub>	(k)	69
DW	(k/ft)	0.29
M <sub>DW</sub>	(k)	133
M <sub>ℓ + IM</sub>	(k)	755
M <sub>u</sub> (Strength I)	(k)	2,047
φ <sub>r</sub> M <sub>n</sub>	(k)	2,703
f <sub>s</sub> DC1	(ksi)	10.3
f <sub>s</sub> DC2	(ksi)	1.6
f <sub>s</sub> DW	(ksi)	3.0
f <sub>s</sub> 1.3(ℓ+IM)	(ksi)	20.1
f <sub>s</sub> (Service II)	(ksi)	35.0
f <sub>s</sub> (Total)(Strength I)	(ksi)	--
V <sub>r</sub>	(k)	21.4

$I_s, S_s$ : Non-composite moment of inertia and section modulus of the steel section used for computing  $f_s$  (Total-Strength I, and Service II) due to non-composite dead loads (in<sup>4</sup> and in<sup>3</sup>).

$I_c(n), S_c(n)$ : Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing  $f_s$  (Total-Strength I, and Service II) due to short-term composite live loads (in<sup>4</sup> and in<sup>3</sup>).

$I_c(3n), S_c(3n)$ : Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing  $f_s$  (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in<sup>4</sup> and in<sup>3</sup>).

DC1: Un-factored non-composite dead load (kips/ft.).

M<sub>DC1</sub>: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M<sub>DC2</sub>: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M<sub>DW</sub>: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M<sub>ℓ + IM</sub>: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M<sub>u</sub> (Strength I): Factored design moment (kip-ft.).  
1.25 (M<sub>DC1</sub> + M<sub>DC2</sub>) + 1.5 M<sub>DW</sub> + 1.75 M<sub>ℓ + IM</sub>

φ<sub>r</sub>M<sub>n</sub>: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

f<sub>s</sub> (Service II): Sum of stresses as computed from the moments below (ksi).  
M<sub>DC1</sub> + M<sub>DC2</sub> + M<sub>DW</sub> + 1.3 M<sub>ℓ + IM</sub>

f<sub>s</sub> (Total)(Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi).  
1.25 (M<sub>DC1</sub> + M<sub>DC2</sub>) + 1.5 M<sub>DW</sub> + 1.75 M<sub>ℓ + IM</sub>

V<sub>r</sub>: Maximum factored shear range in composite portion of span computed according to Article 6.10.10.

INTERIOR GIRDER REACTION TABLE		
HL93 Loading		
Abutment		
R <sub>DC1</sub>	(k)	23.3
R <sub>DC2</sub>	(k)	4.5
R <sub>DW</sub>	(k)	8.8
R <sub>ℓ + IM</sub>	(k)	66.0
R <sub>Total</sub>	(k)	102.6

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

**BILL OF MATERIAL**

Item	Unit	Total
Anchor Bolts, 1" φ	Each	24

**STEEL DETAILS**

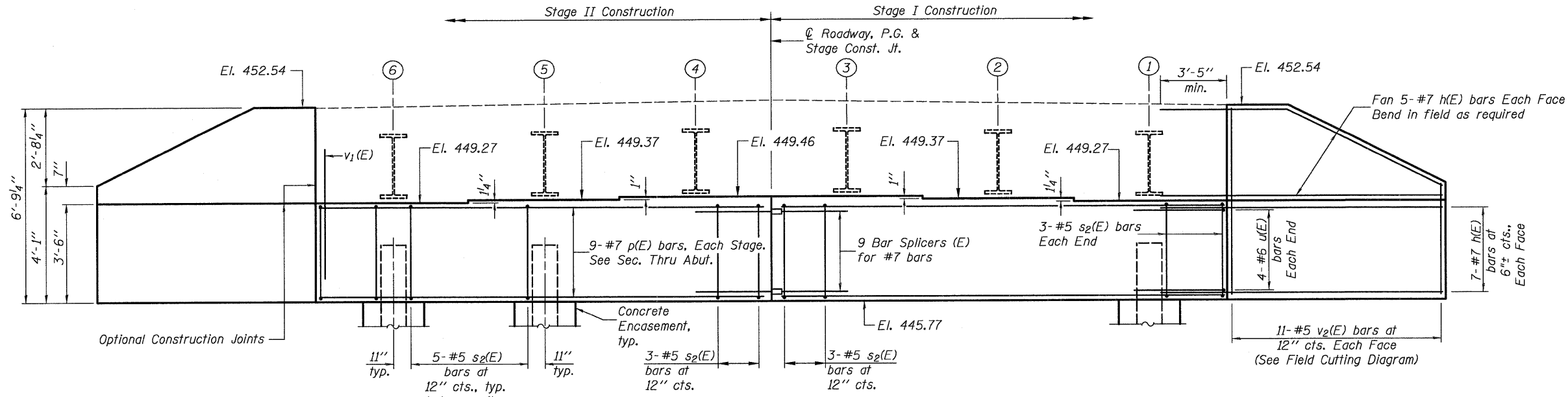
SHEET NO. 15	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	56
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



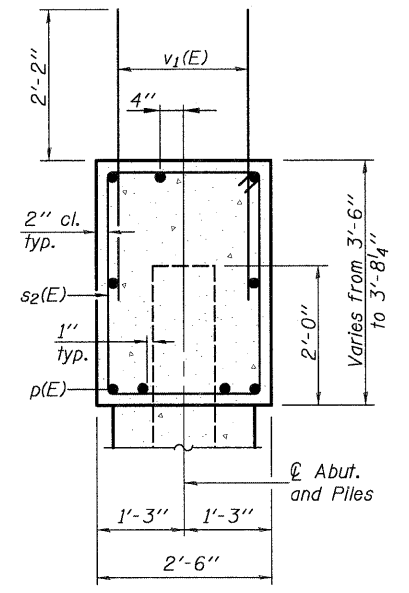
0420041.76B01.16.WABT.DGN DEC. 1. 2008

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

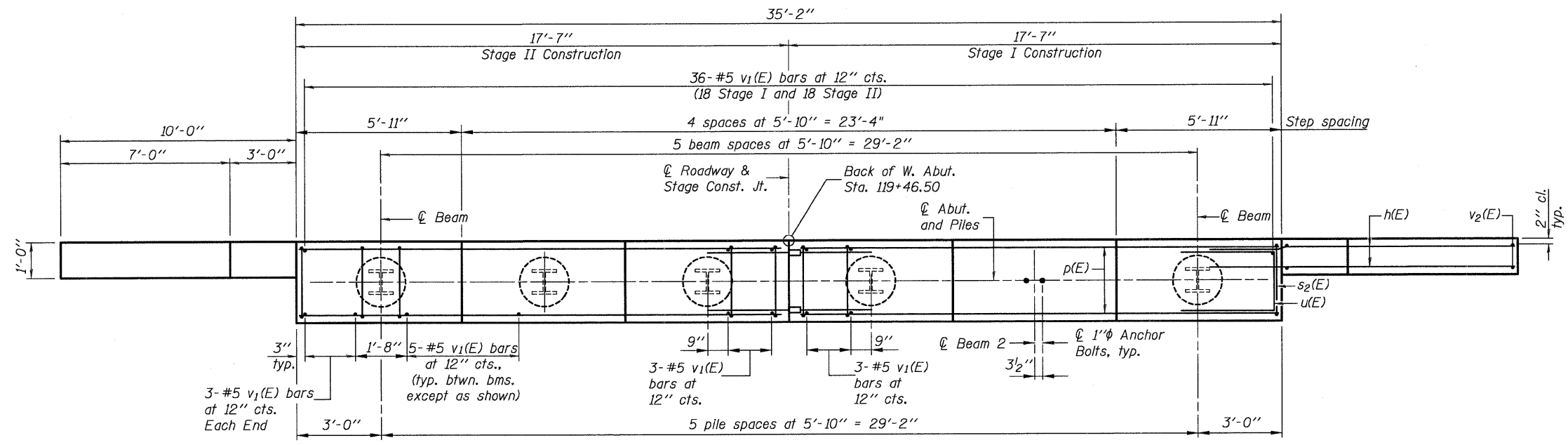
Note: Four steps monolithically with cap.



**ELEVATION  
(Looking West)**



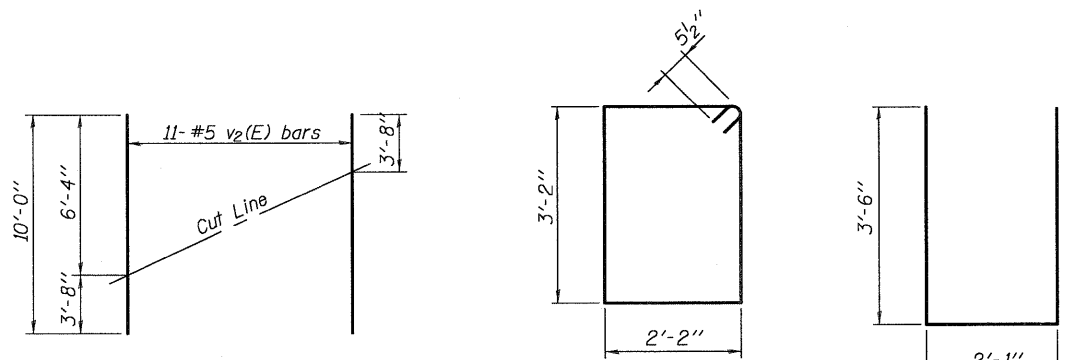
**SEC. THRU ABUT.**



**PLAN**

**PILE DATA**

Type: HP 12x53  
 Nominal Required Bearing: 419 kips  
 Factored Resistance Available: 210 kips  
 Est. Length: 55 feet  
 No. Production Piles: 6  
 No. Test Piles: 0



**FIELD CUTTING DIAGRAM**

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	48	#7	14'-0"	—
p(E)	18	#7	17'-3"	—
s2(E)	32	#5	11'-7"	□
u(E)	8	#6	9'-1"	—
v1(E)	68	#5	4'-4"	—
v2(E)	22	#5	10'-0"	—
Structure Excavation		Cu. Yd.	71	
Concrete Structures		Cu. Yd.	16.0	
Reinforcement Bars, Epoxy Coated		Pound	3,040	
Furnishing Steel Piles HP 12x53		Foot	330	
Driving Piles		Foot	330	
Pile Shoes		Each	6	
Concrete Encasement		Cu. Yd.	2.1	

For details of Bar Splicers, see sheet 18 of 21.  
 For details of piles and Concrete Encasement, see sheet 19 of 21.

DESIGNED	L.D.G.
CHECKED	B.G.H.
DRAWN	K.H.L.
CHECKED	B.G.H.
<b>AI-0</b>	5-16-08

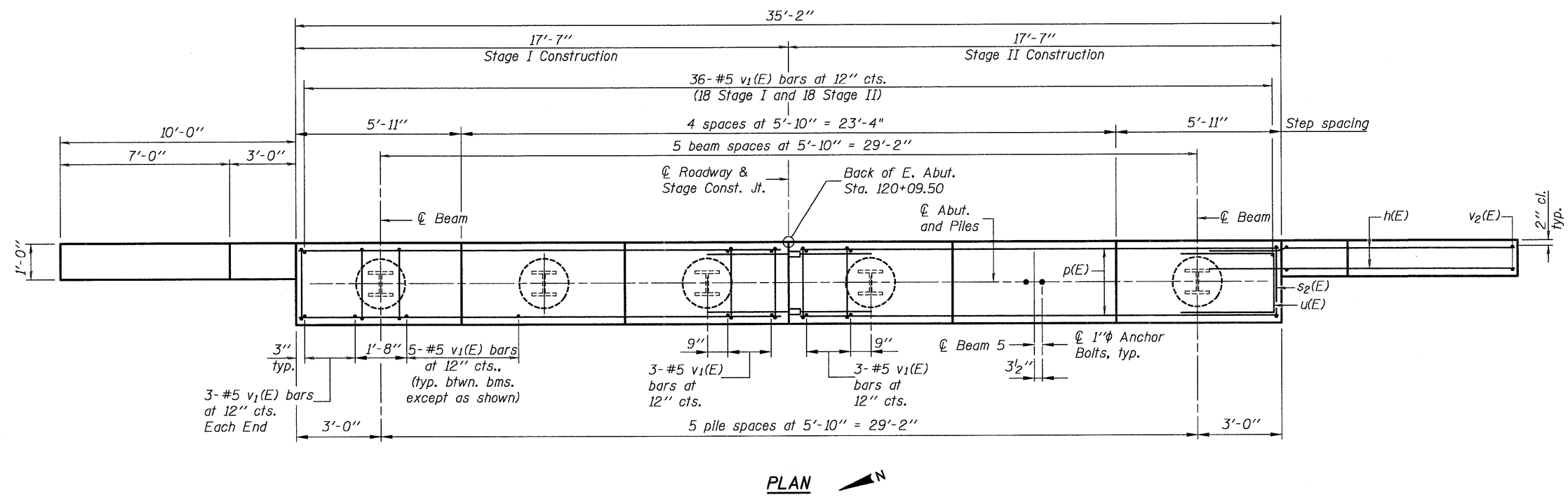
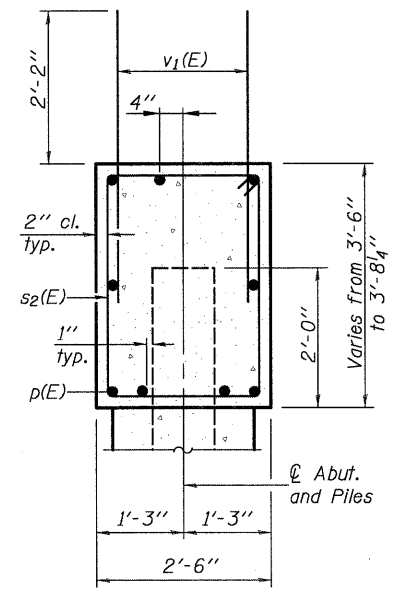
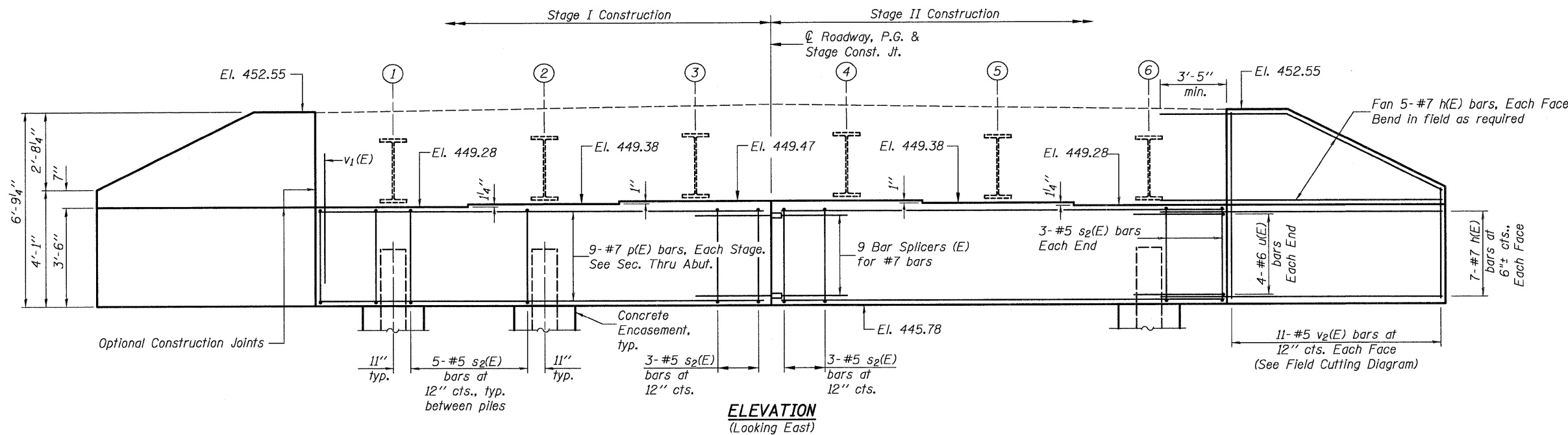
SHEET NO. 16 21 SHEETS	F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 57
	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.III

042004L76B01JT.EABT.DGN DEC. 1, 2008

Note: Four steps monolithically with cap.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



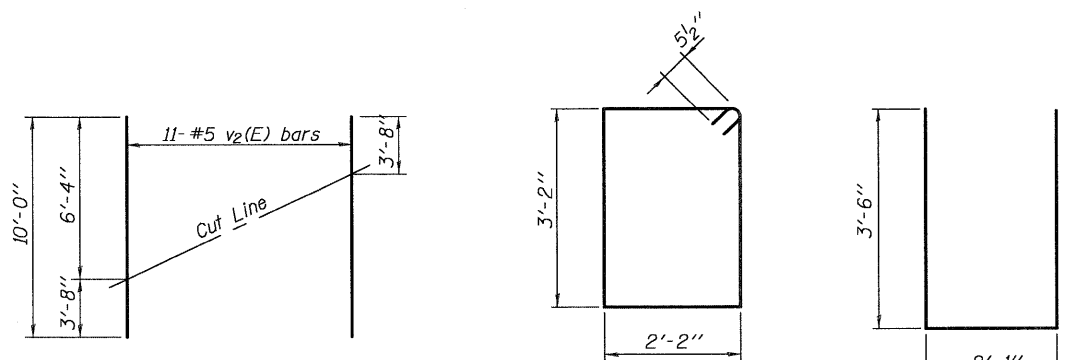
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	48	#7	14'-0"	—
p(E)	18	#7	17'-3"	—
s2(E)	32	#5	11'-7"	□
u(E)	8	#6	9'-1"	—
v1(E)	68	#5	4'-4"	—
v2(E)	22	#5	10'-0"	—
Structure Excavation		Cu. Yd.	71	
Concrete Structures		Cu. Yd.	16.0	
Reinforcement Bars, Epoxy Coated		Pound	3,040	
Furnishing Steel Piles HP 12x53		Foot	330	
Driving Piles		Foot	330	
Pile Shoes		Each	6	
Concrete Encasement		Cu. Yd.	2.1	

For details of Bar Splicers, see sheet 18 of 21.  
For details of piles and Concrete Encasement, see sheet 19 of 21.

**PILE DATA**

Type: HP 12x53  
Nominal Required Bearing: 419 kips  
Factored Resistance Available: 210 kips  
Est. Length: 55 feet  
No. Production Piles: 6  
No. Test Piles: 0



Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.

**EAST ABUTMENT**

DESIGNED	L.D.G.
CHECKED	B.G.H.
DRAWN	K.H.L.
CHECKED	B.G.H.

AI-0 5-16-08

SHEET NO. 17 21 SHEETS	F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 58
	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.III

042004L76B01\_IB\_SPLR.DGN AUG. 21. 2008

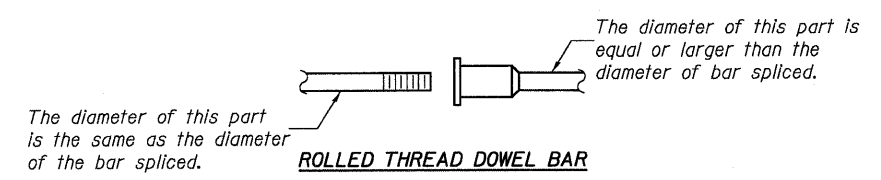
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**NOTES**

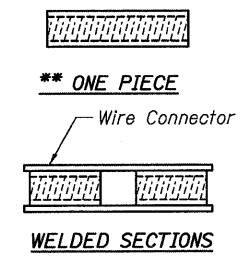
Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.  
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.  
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.  
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.  
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- ① Minimum Capacity (Tension in kips) =  $1.25 \times f_y \times A_l$
  - ② Minimum \*Pull-out Strength (Tension in kips) =  $0.66 \times f_y \times A_l$
- Where  $f_y$  = Yield strength of lapped reinforcement bars in ksi.  
 $A_l$  = Tensile stress area of lapped reinforcement bars.  
\* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8

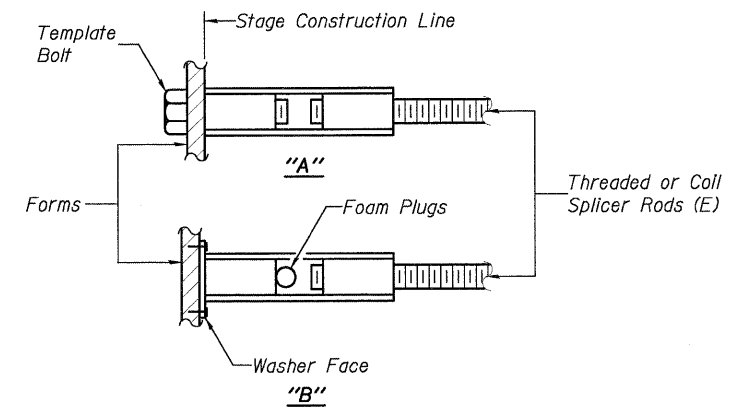


**ROLLED THREAD DOWEL BAR**



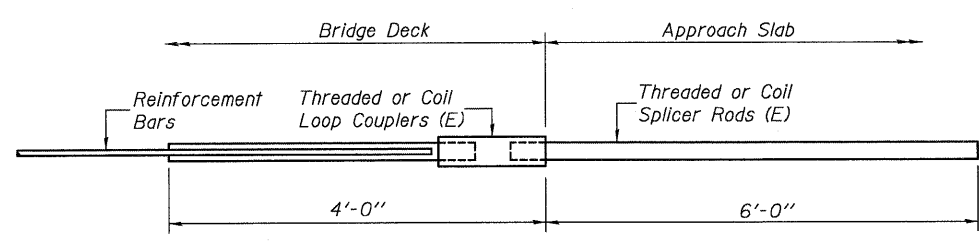
**BAR SPLICER ASSEMBLY ALTERNATIVES**

\*\*Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

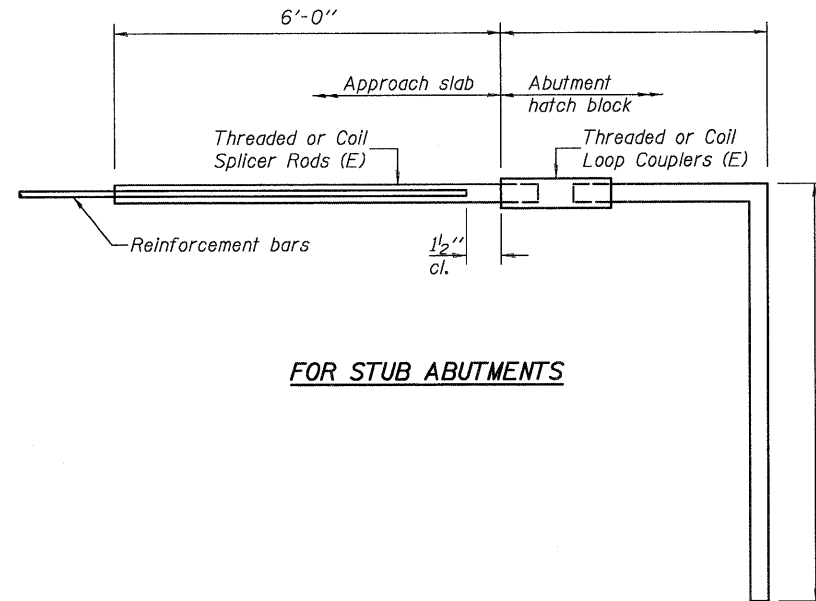


**INSTALLATION AND SETTING METHODS**

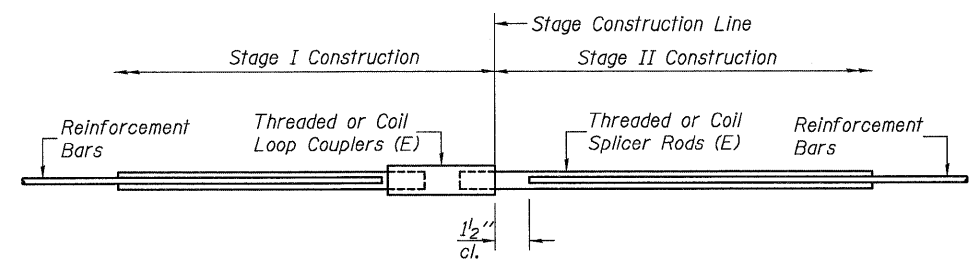
"A" :Set bar splicer assembly by means of a template bolt.  
"B" :Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
(E) : Indicates epoxy coating.



**FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**



**FOR STUB ABUTMENTS**



**STANDARD**

Bar Size	No. Assemblies Required	Location
#6	16	Diaphragm
#5	184	Deck
#7	18	Abutment

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	64

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

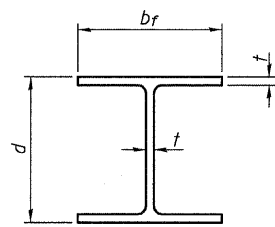
BSD-1 5-16-08

**BAR SPLICER ASSEMBLY DETAILS**

SHEET NO. 18 21 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	59
S.N. 042-0041		CONTRACT NO. 76B01			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

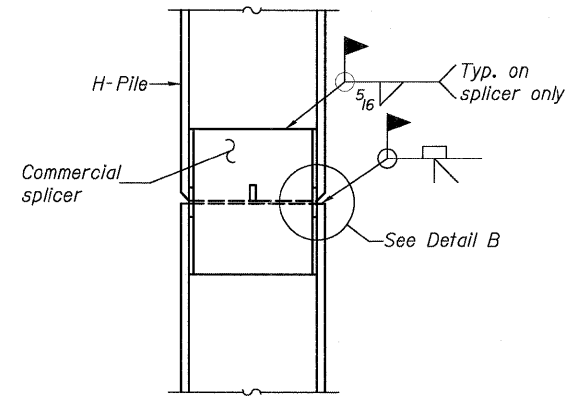
H.M. & G. NO. 6020.III

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

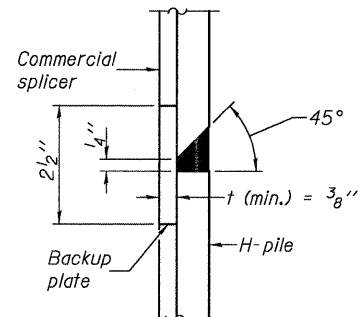


STEEL PILE TABLE

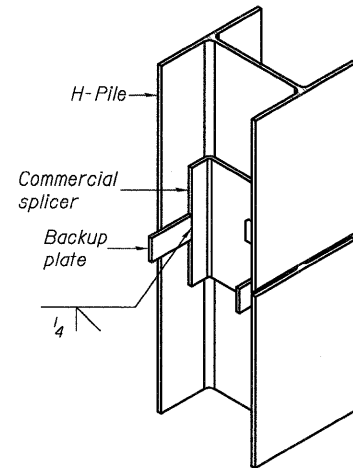
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 3/8"	12 1/4"	5/8"	24"
x63	12"	12 3/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 3/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

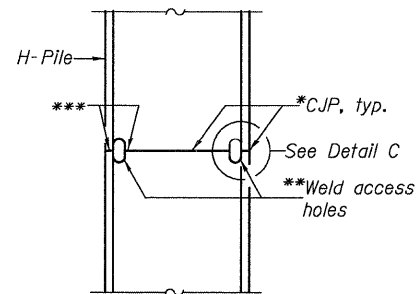


DETAIL "B"

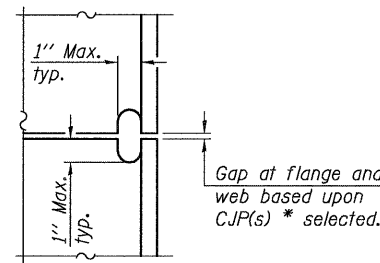


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



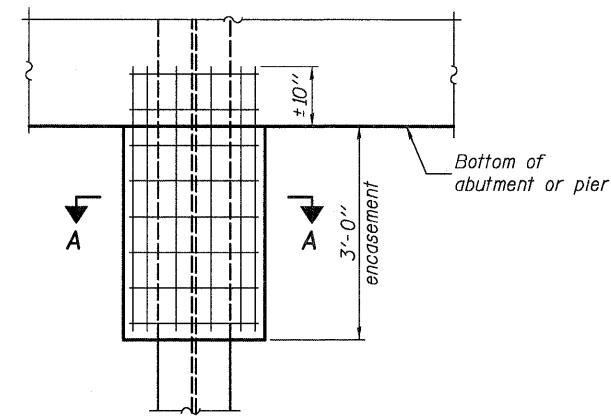
ELEVATION



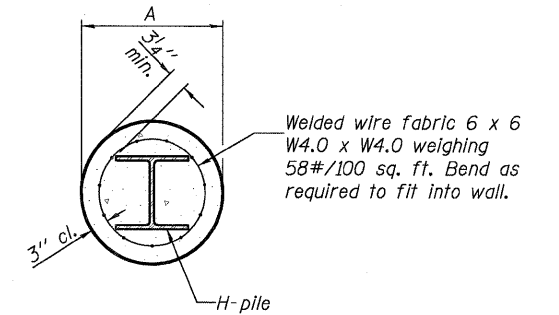
DETAIL C

COMPLETE PENETRATION WELD SPLICE

- \*Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code-Steel.
- \*\*Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code-Steel.
- \*\*\*Interrupt welds 1/4" from end of each pile.



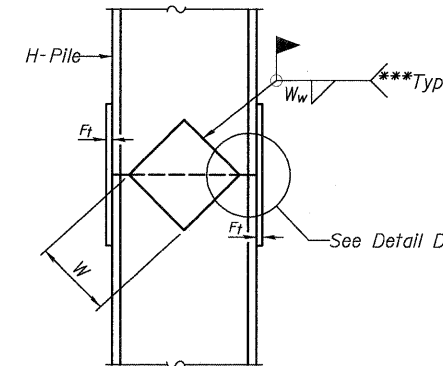
ELEVATION



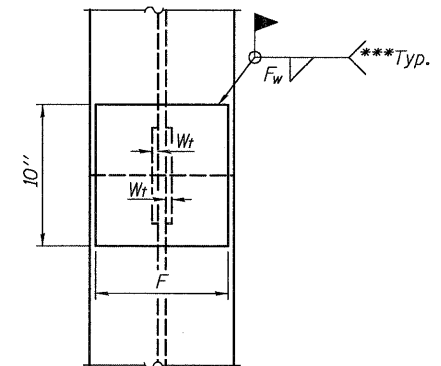
SECTION A-A

PILE ENCASEMENT

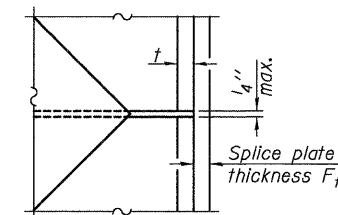
Note: Forms for encasement may be omitted when soil conditions permit.



ELEVATION



END VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

Note: The steel H-piles shall be according to AASHTO M270 Grade 50.

HP PILE DETAILS

DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.
F-HP	5-16-08

SHEET NO. 19	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	60
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**Illinois Department of Transportation**  
Division of Highways  
SCI Engineering, Inc.

**SOIL BORING LOG**

Page 1 of 2

Date 11/26/07

ROUTE FAP 325 DESCRIPTION Illinois Route 16 over Baum Branch Creek - Proposed SN 042-0041 LOGGED BY SCI  
SECTION 3BR-2 LOCATION Richwood Township - SW Quarter of, SEC. 28, TWP. 8N, RNG. 13W  
COUNTY Jersey DRILLING METHOD CME 75 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Description	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:	
										(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
Existing 042-0006											409.0	407.8	423.0	430.2	
B-1 119+34 8 ft Rt. 451.5					ASPHALT - 3.5 inches CONCRETE - 9 inches FILL: Brown, low plastic sandy clay (A-6) NO RECOVERY - Auger cuttings collected and classification and moisture content test are based on cuttings. Hard to auger from 2.5 to 3.5 feet - possible cobbles or rubble SILTY CLAY: Brown, low plastic (A-6) SILT: Brown and gray, low plastic with intermittent deposits of brown, fine sand (A-4) Becomes brown and clayey SAND: Brown, fine to coarse, trace rock fragments (A-1) SILTY CLAY: Brown and gray, low plastic, some sand (A-4)										
	3					430.0	0								
	4		16		CLAYEY SAND: Brown, fine to coarse, trace rock fragments (A-2)		2								
	6					428.5									
	2				SILTY CLAY: Brown, low plastic (A-6)		2								
	4	1.0	19			427.0	1	0.9	25						
	3	B			CLAYEY SILT: Gray, low plastic (A-4)	426.0	2	B							
	2				SANDY CLAY: Gray, low plastic, trace rock fragments (A-4)		5		12						
	1	2.0	12				8								
	2	P					10								
	2				Poor recovery		4		25						
	3	0.8	23				5								
	3	B					5								
	2				SAND: Brown, fine to coarse, trace rock fragments (A-1)										
	6														
	7														
	1				SILTY CLAY: Brown and gray, low plastic, some sand (A-4)		6		17						
	1	0.6	23		CLAY: Reddish brown, high plastic, some rock fragments (A-7)		4	1.3							
	2	B					11	P							
	0														
	2														
	2	0.9	23		SILTY CLAY: Reddish brown and brown, low plastic (A-6)		4		25						
	2	B					4	1.2							
	1						9	B							
	2	0.8	26												
	2	B													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



**Illinois Department of Transportation**  
Division of Highways  
SCI Engineering, Inc.

**SOIL BORING LOG**

Page 2 of 2

Date 11/26/07

ROUTE FAP 325 DESCRIPTION Illinois Route 16 over Baum Branch Creek - Proposed SN 042-0041 LOGGED BY SCI  
SECTION 3BR-2 LOCATION Richwood Township - SW Quarter of, SEC. 28, TWP. 8N, RNG. 13W  
COUNTY Jersey DRILLING METHOD CME 75 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Description	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:	
										(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
Existing 042-0006											409.0	407.8	423.0	430.2	
B-1 119+34 8 ft Rt. 451.5					SILTY CLAY: Reddish brown and brown, low plastic (A-6) (continued) NO RECOVERY CLAY: Reddish brown and gray, high plastic, some sand, some rock fragments (A-7) Poor recovery SAND: Brown, fine to coarse, trace rock fragments (A-1) SHALE: Tan Refusal on shale at 53 feet										
	5														
	8														
	6		2.0	13											
	8	P													
	7														
	6														
	8														
	50														
	50/3"			10											

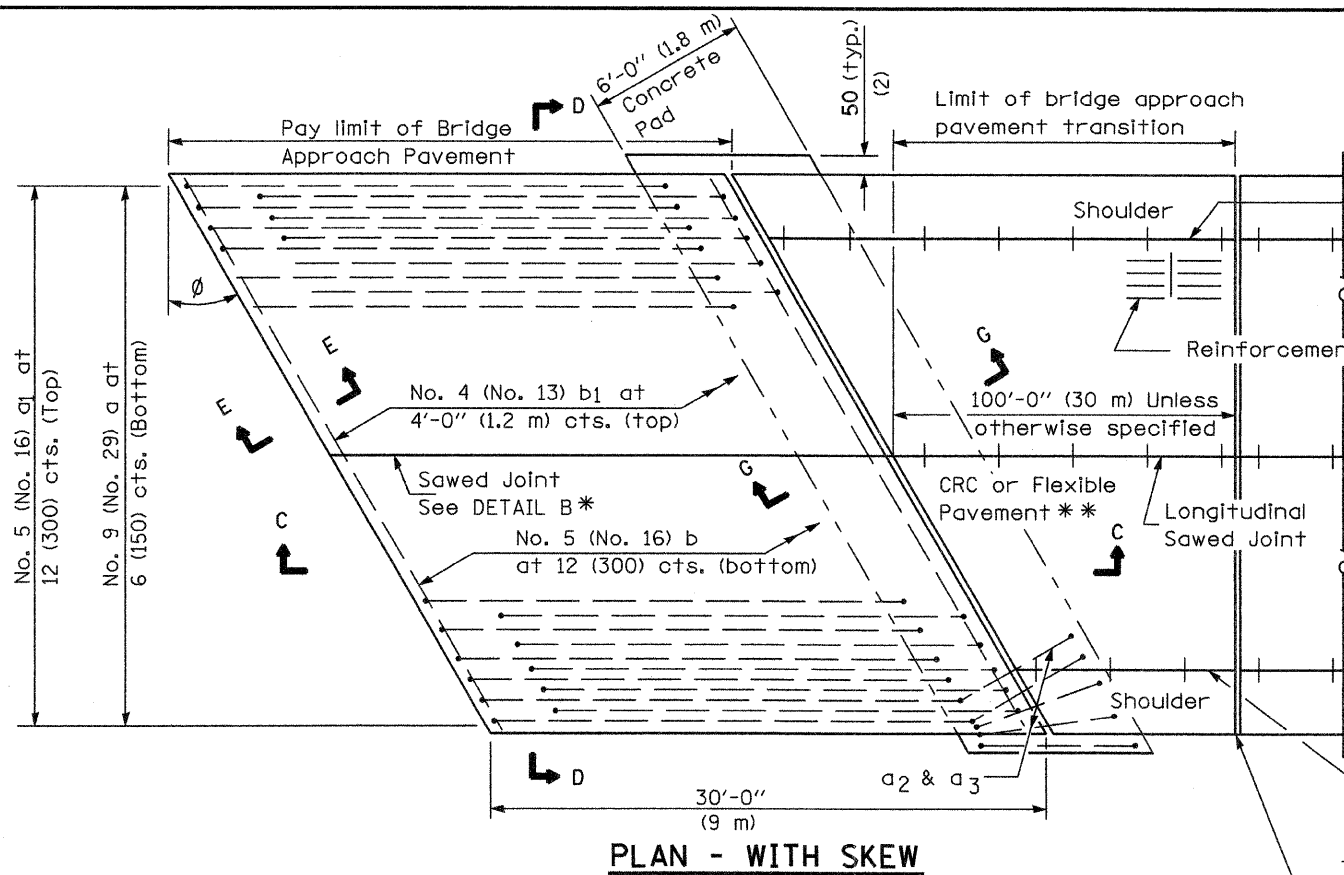
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

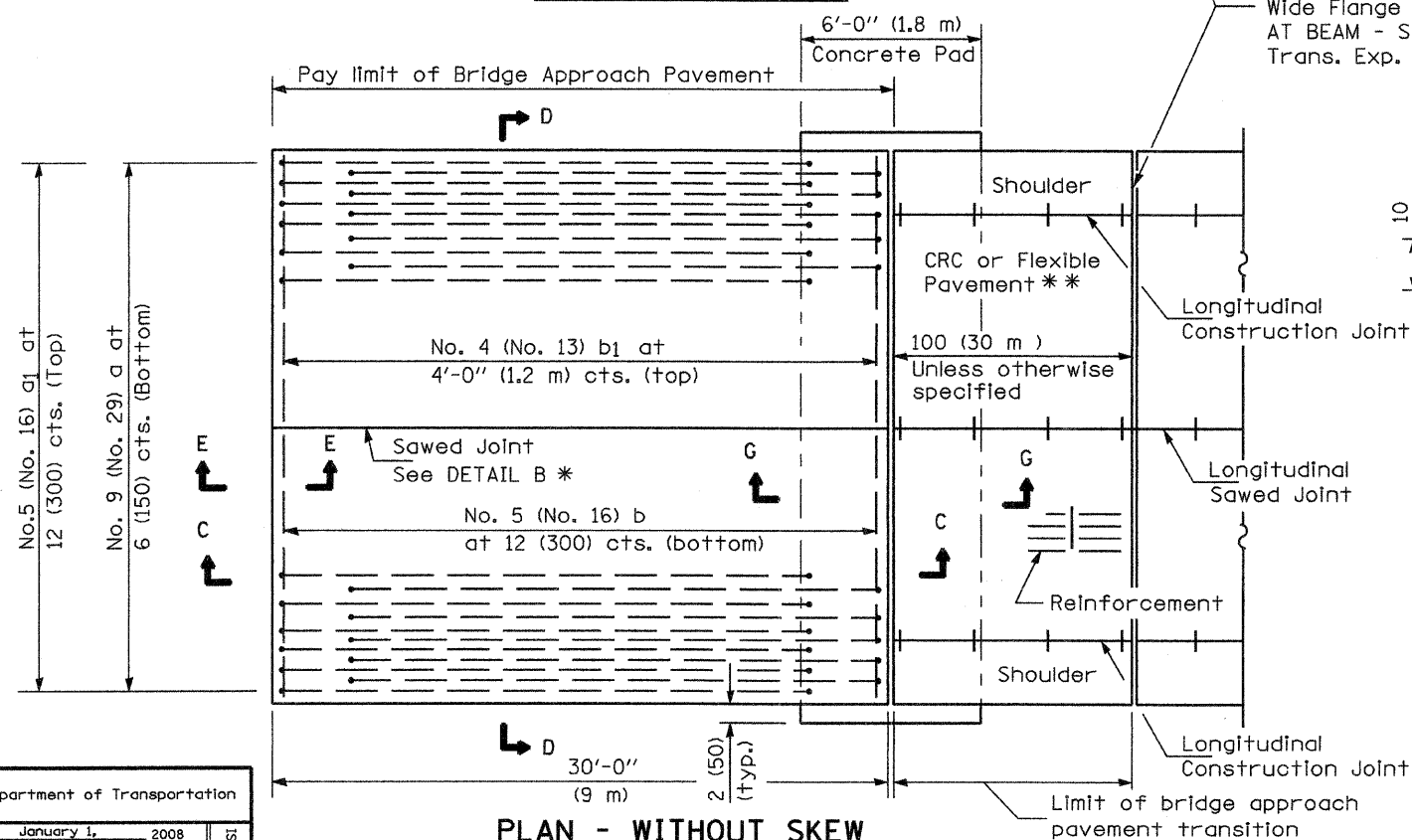
**SOIL BORING LOGS**

SHEET NO. 20	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	61
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					





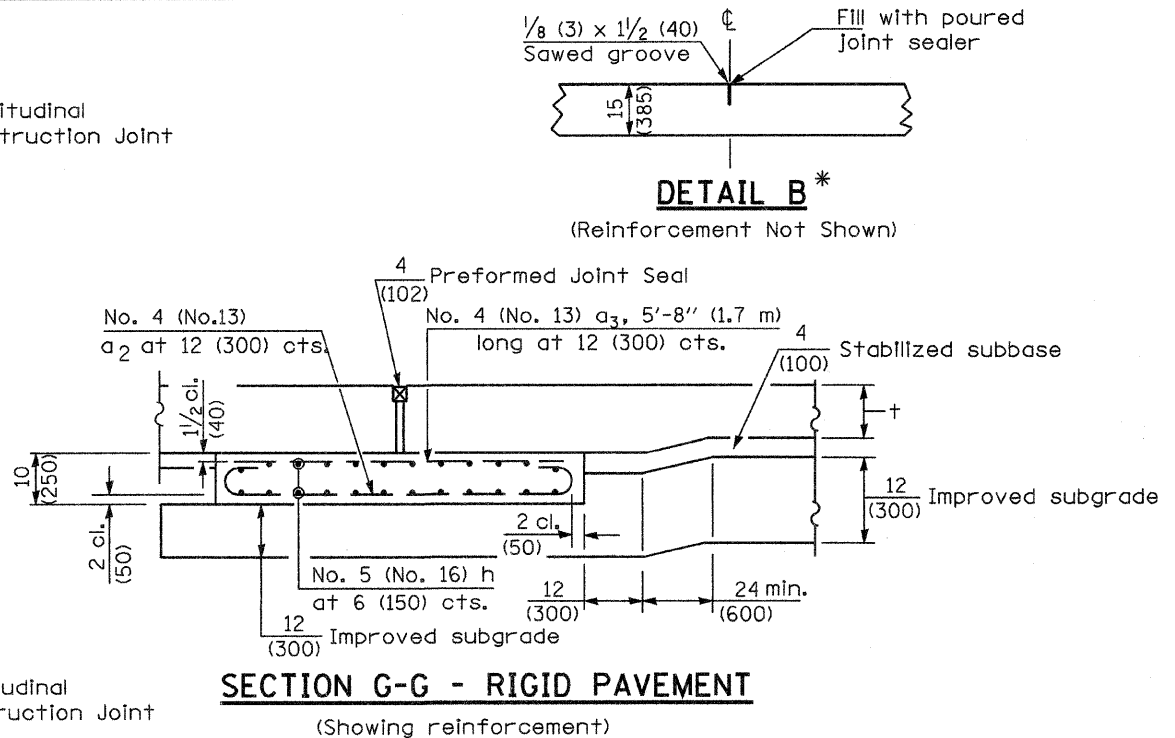
**PLAN - WITH SKEW**



**PLAN - WITHOUT SKEW**

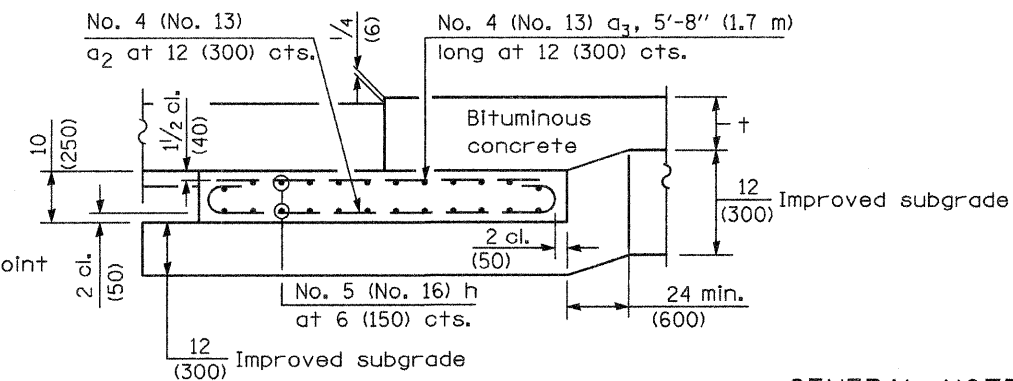
\* Saw  $\phi$  or lane edge if poured two or more lane widths at a time.  
 \*\* Omit Reinforcement, tie bars and Long. sawed Jt. for Flexible Pavement.

**NEW CONSTRUCTION**



**SECTION G-G - RIGID PAVEMENT**  
(Showing reinforcement)

Rigid Pavement only:  
 Wide Flange Beam Terminal Joint (See DETAIL AT BEAM - Standard 421101 or 421106) or 2 (50) Trans. Exp. Joint as detailed on Standard 420001.



**SECTION G-G - FLEXIBLE PAVEMENT**  
(Showing reinforcement)

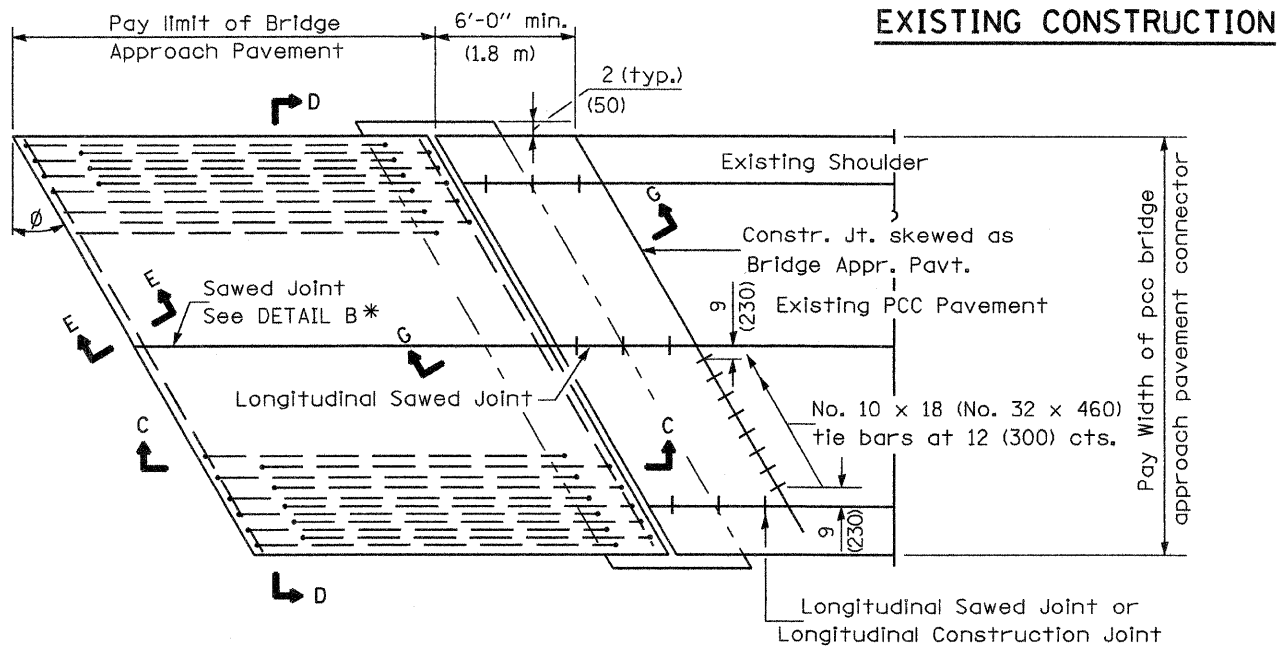
**GENERAL NOTES**

THICKNESS-"t"=Thickness of Pavement.  
 See Standard 421001 for reinforcement details not shown.  
 See Standard 420001 for joint details not shown.  
 All dimensions are in inches (millimeters) unless otherwise shown.

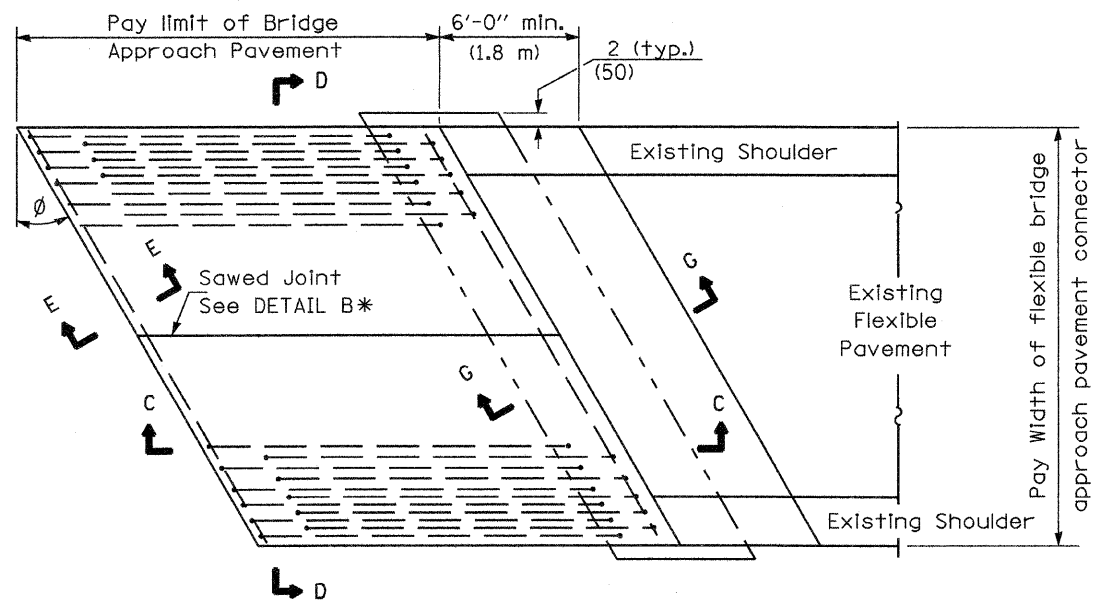
Illinois Department of Transportation  
 APPROVED January 1, 2008  
*Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES  
 APPROVED January 1, 2008  
*Tom S. Han*  
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-08	Switched units to English (metric). Moved rebar epoxy coat note to Standard Spec.
1-1-04	Rev. size of Trans. Exp. Jt. and soft converted metric reinf.

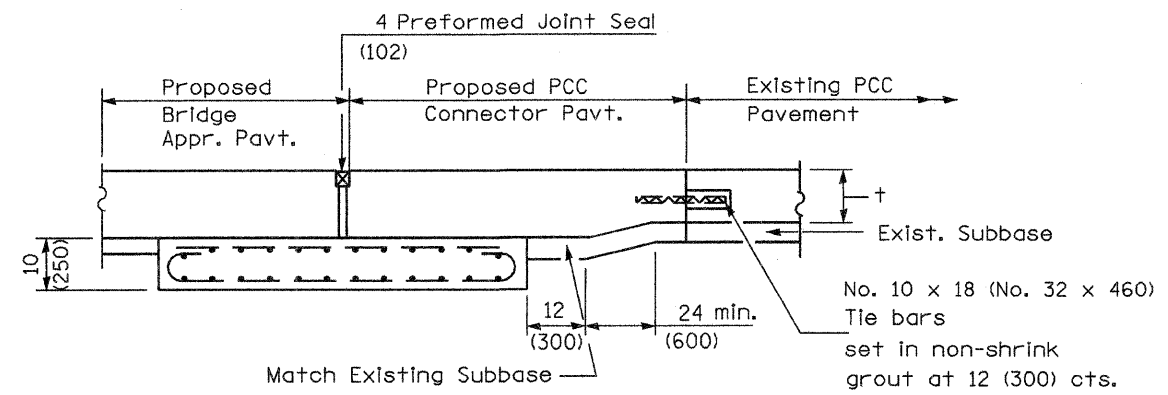
**BRIDGE APPROACH PAVEMENT**  
 (Sheet 1 of 4)  
 Contract 76301 Sheet 62a.



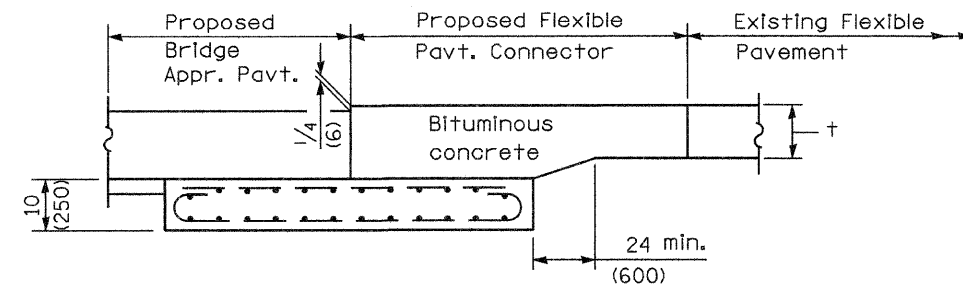
**BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)**



**BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)**



**SECTION G-G - RIGID PAVEMENT**



**SECTION G-G - FLEXIBLE PAVEMENT**

Illinois Department of Transportation  
 APPROVED January 1, 2008  
*Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES  
 APPROVED January 1, 2008  
*Ken E. Han*  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

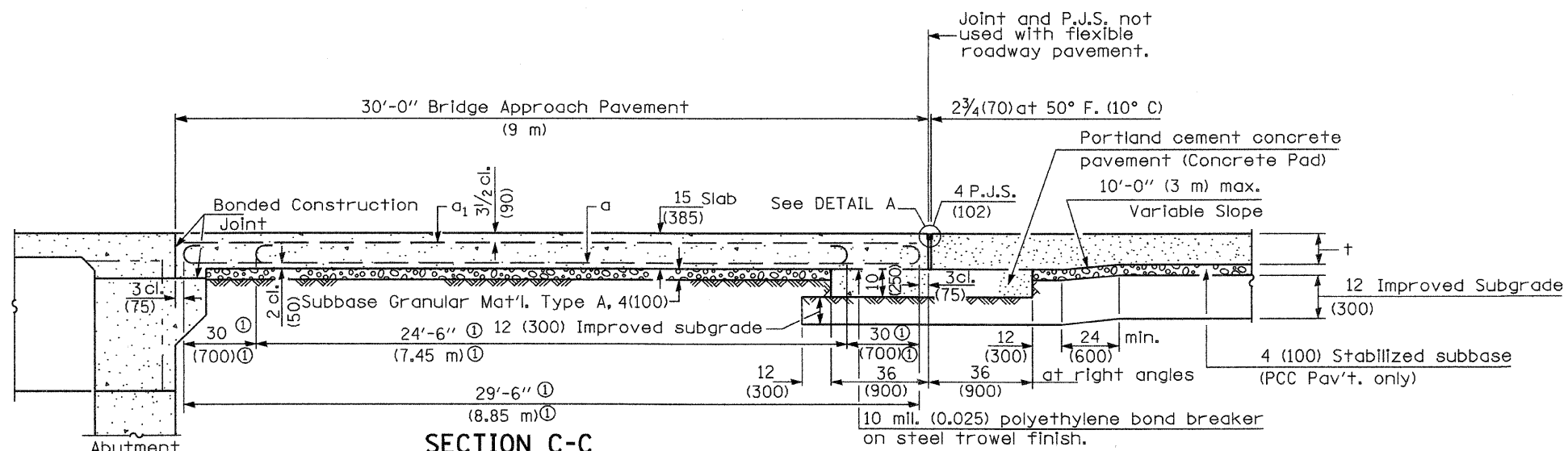
**BRIDGE APPROACH PAVEMENT**

(Sheet 2 of 4)

Contract 76301 Sheet 42 b.

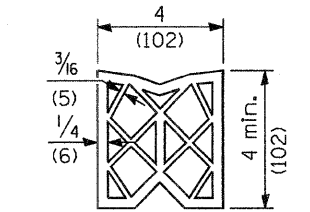
*1-1-08*



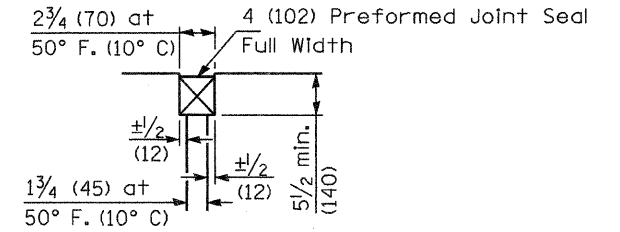


**SECTION C-C**

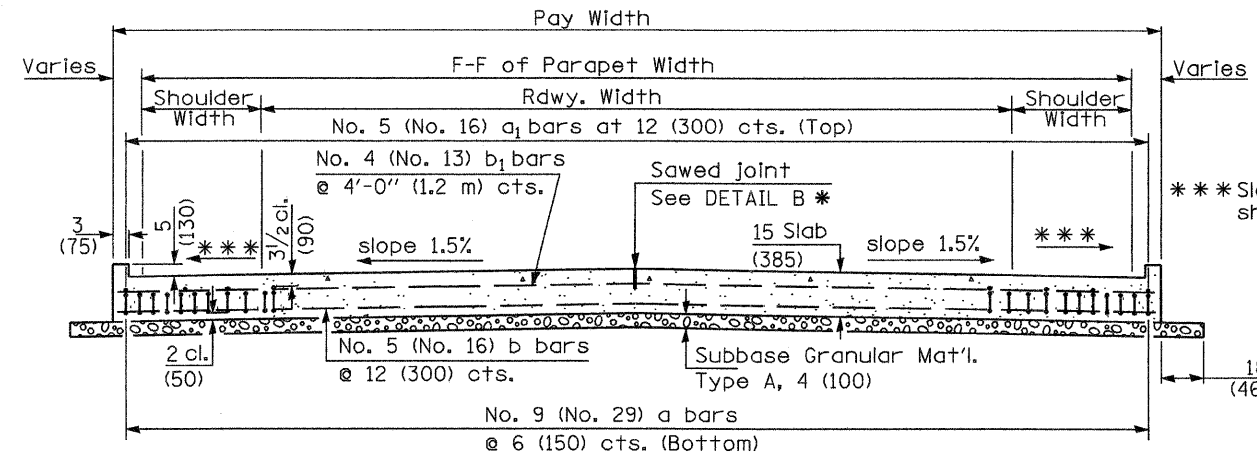
① Stagger No. 9 (No. 29) a bars as shown on plan - full width



**PREFORMED JOINT SEAL**



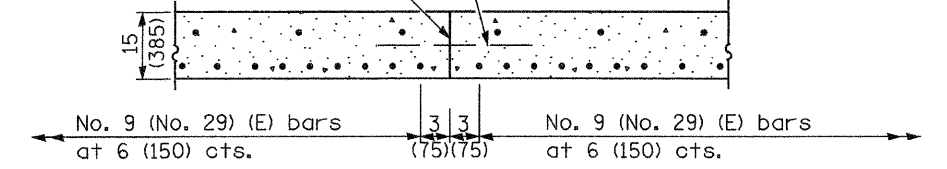
**DETAIL A**



**SECTION D-D**

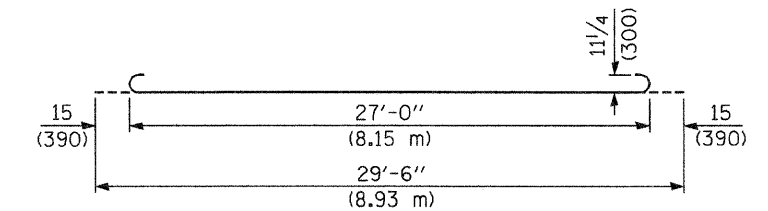
(See Plan for Dimensions not shown)

Longitudinal Construction Joint in accordance with details shown on Standard 420001.

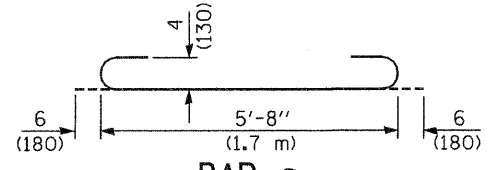


**OPTIONAL LONGITUDINAL CONSTRUCTION JOINT**

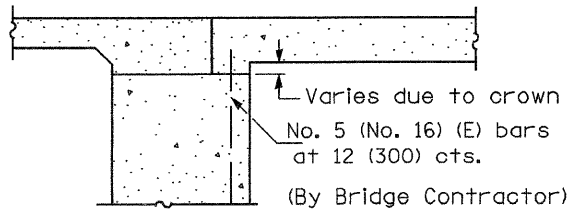
As approved by the Engineer, the Contractor may elect to reduce the widths of pour by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



**BAR a**

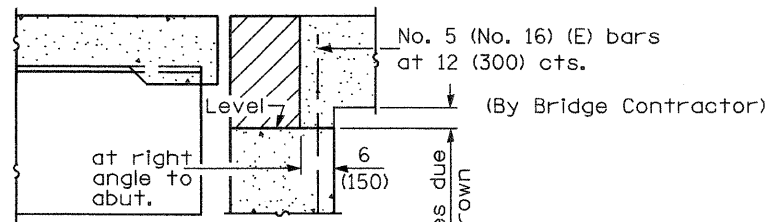


**BAR a2**



**SECTION E-E**

(Integral Abutments)



**SECTION E-E**

(Jointed Abutments)

**DESIGN STRESSES**

$f_y = 60,000$  p.s.i. (400 MPa)  
 $f'_c = 3,500$  p.s.i. (24 MPa)  
 $n = 8.5$

**BRIDGE APPROACH PAVEMENT**

(Sheet 3 of 4)

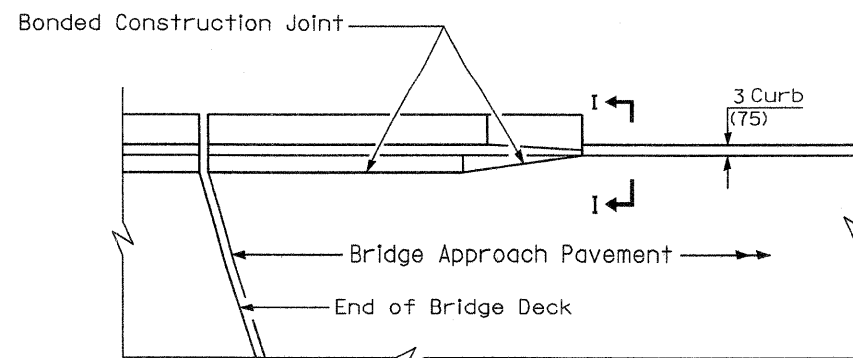
Contract 76301 Sheet 620.

Illinois Department of Transportation

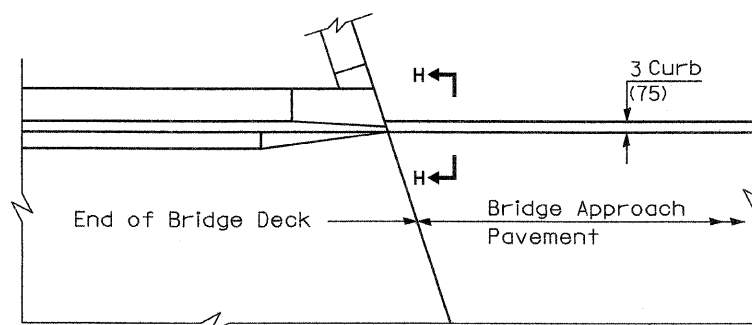
APPROVED January 1, 2008  
*Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2008  
*Ken E. Han*  
 ENGINEER OF DESIGN AND ENVIRONMENT

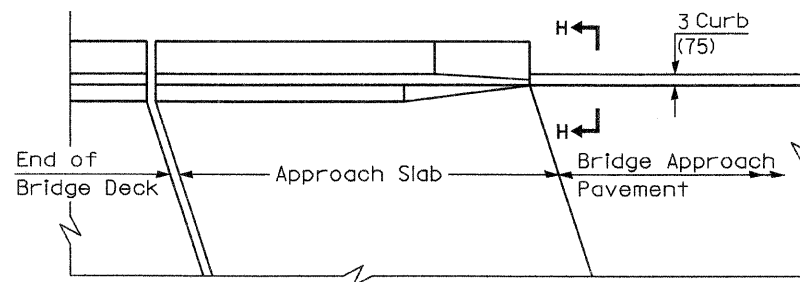
ISSUED 16-1-97



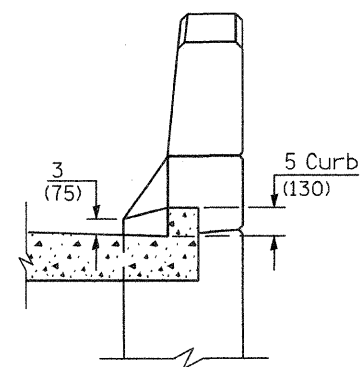
**PARAPET TO CURB TRANSITION  
PILE BENT ABUTMENT**



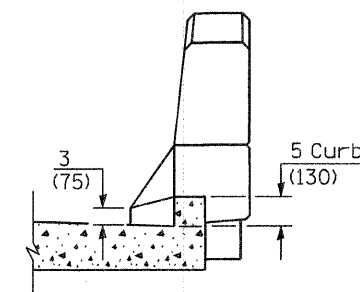
**PARAPET TO CURB TRANSITION  
INTEGRAL ABUTMENT**



**PARAPET TO CURB TRANSITION  
VAULTED ABUTMENT**



**SECTION I - I**



**SECTION H - H**

Illinois Department of Transportation  
 APPROVED January 1, 2008  
*Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES  
 APPROVED January 1, 2008  
*Ken E. Han*  
 ENGINEER OF DESIGN AND ENVIRONMENT

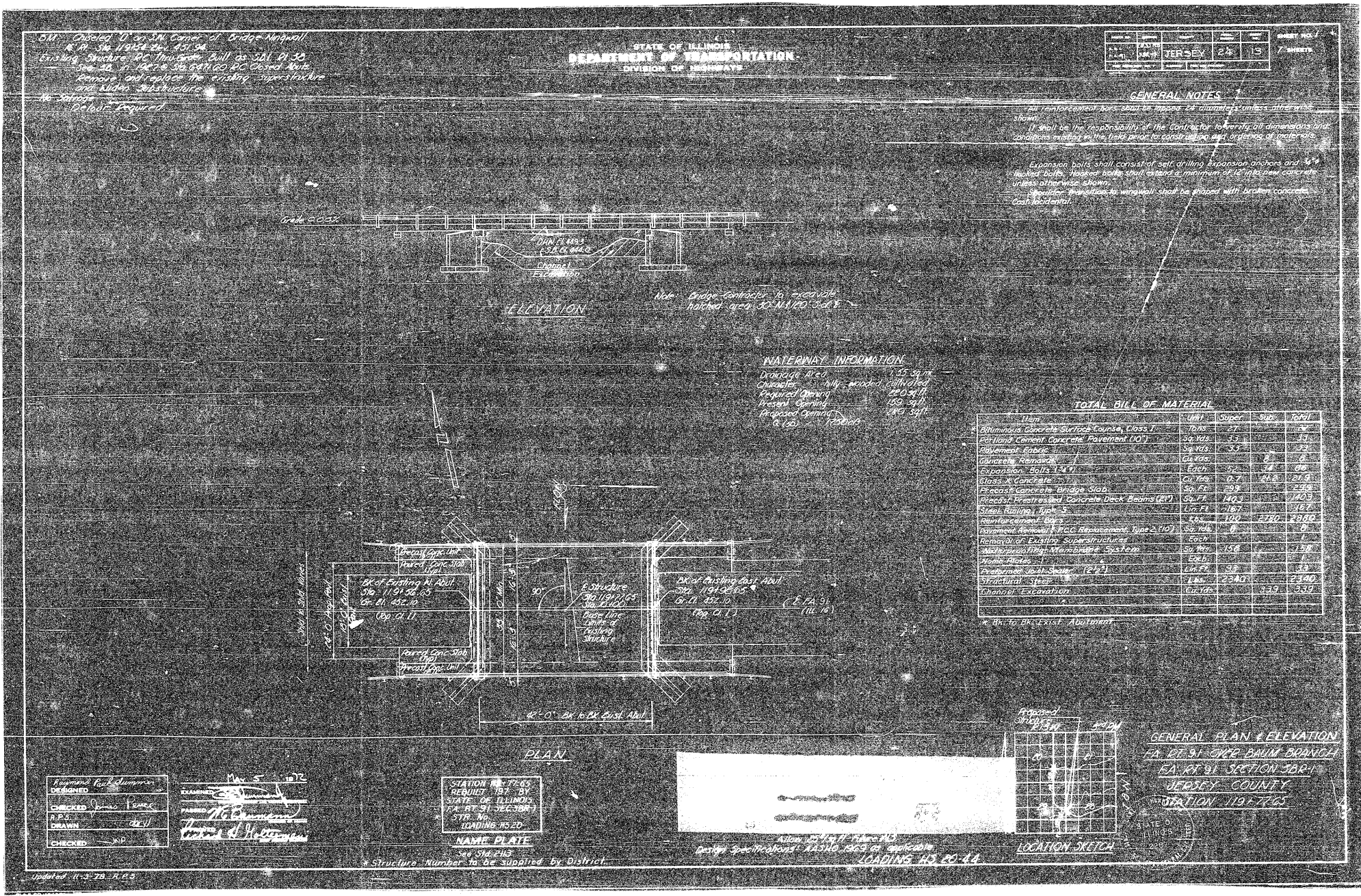
ISSUED 1-1-97

**BRIDGE APPROACH PAVEMENT**

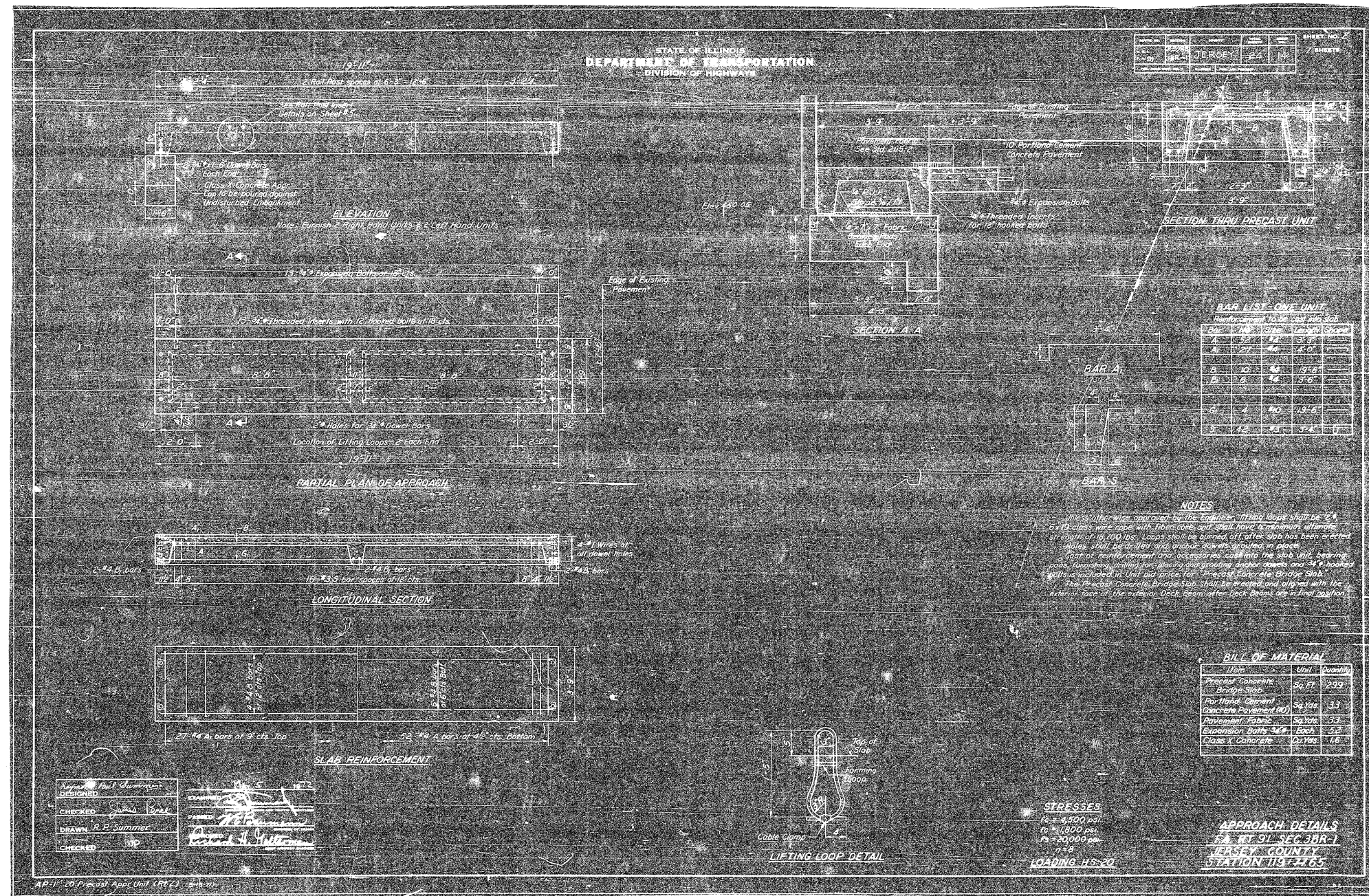
(Sheet 4 of 4)

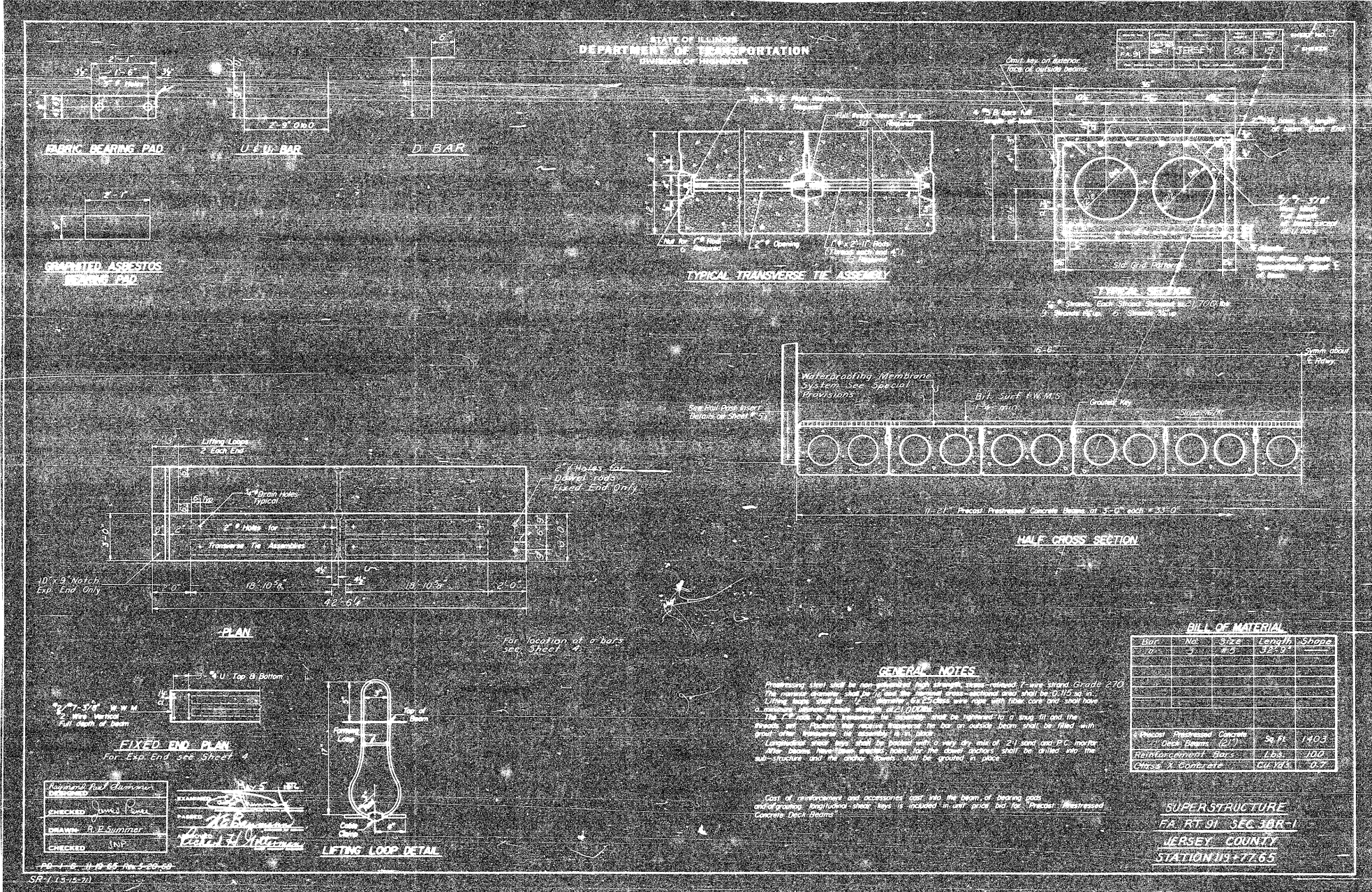
Contract 76301

Sheet 62d.



FILE NAME =	USER NAME = muenstermannjk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING STRUCTURE PLANS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/18/2008		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		





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 PLOT DATE = 12/10/2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING STRUCTURE PLANS**

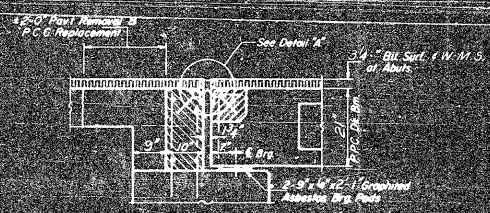
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	65
CONTRACT NO. 76B01				

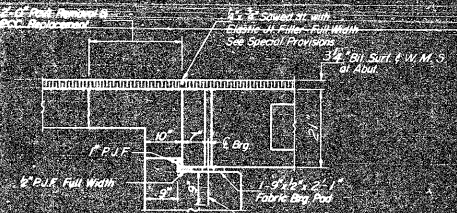
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

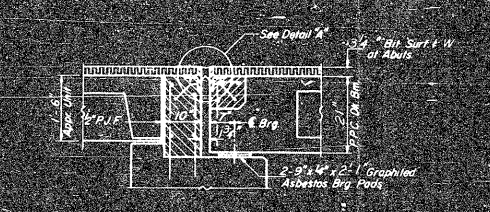
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325	3BR-2	JERSEY	90	66



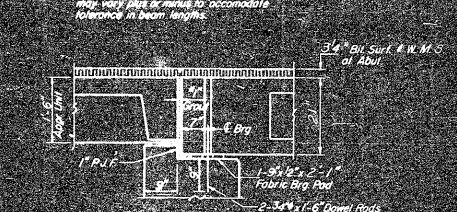
SECTION THRU W. ABUT  
AT E. ROWY



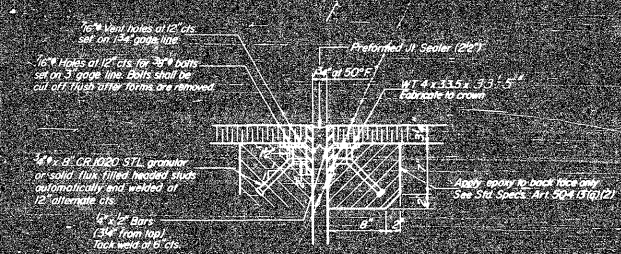
SECTION THRU E. ABUT  
AT C. ROWY



SECTION THRU W. ABUT  
AT OUTSIDE BEAM

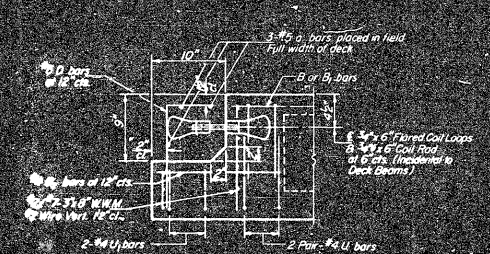


SECTION THRU E. ABUT  
AT OUTSIDE BEAM



DETAIL 'A'

NOTE: Dimensions are at right angles.  
Approved areas to be provided after beams have been erected and joints grouted.  
Ends of beams shall be signed off the expansion joints. Any steel warblers in the beam lengths shall be placed at the fixed joint. See End of Beam detail for reinforcement.



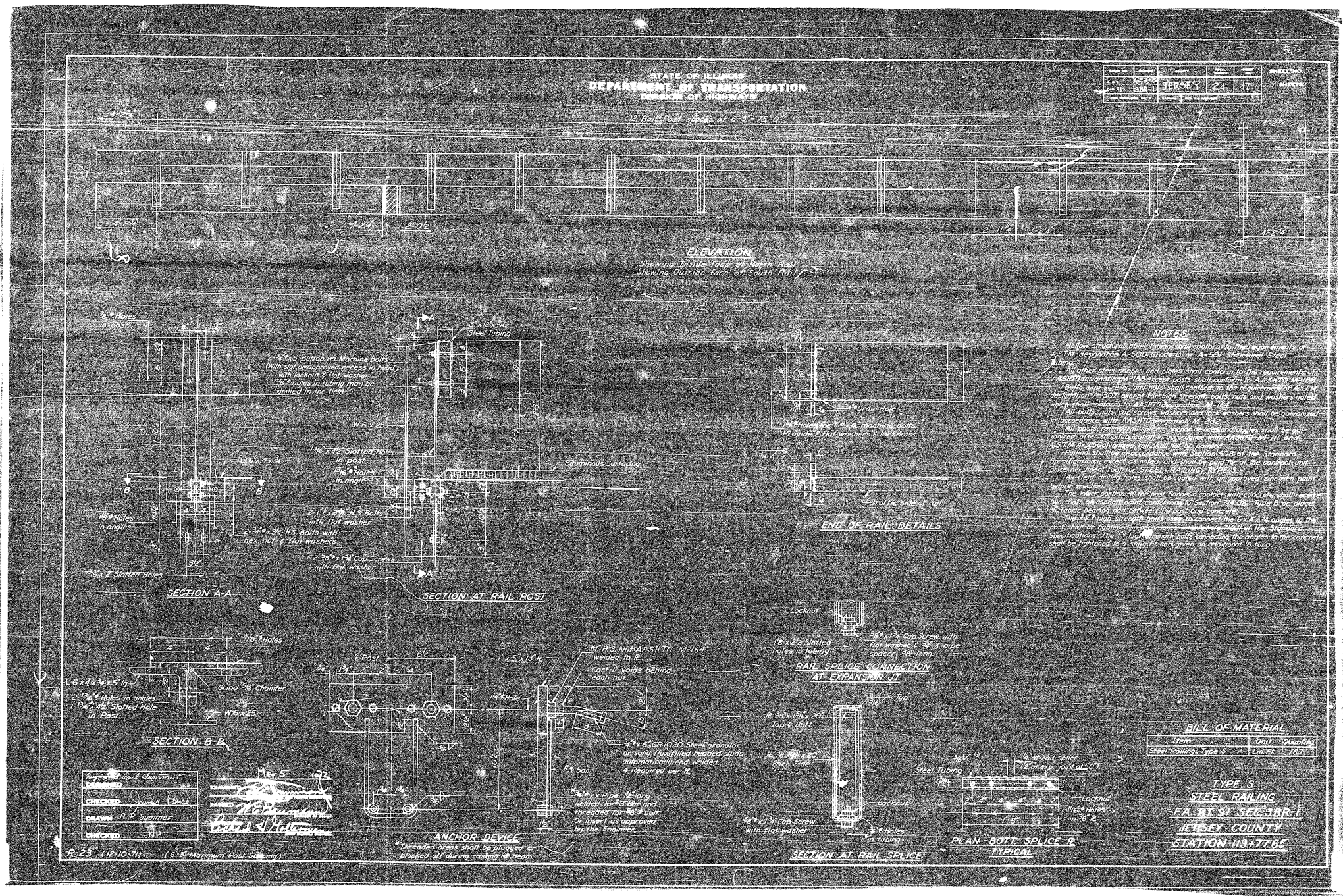
END OF BEAM (EXP. END)  
(Dimensions are at right angles)

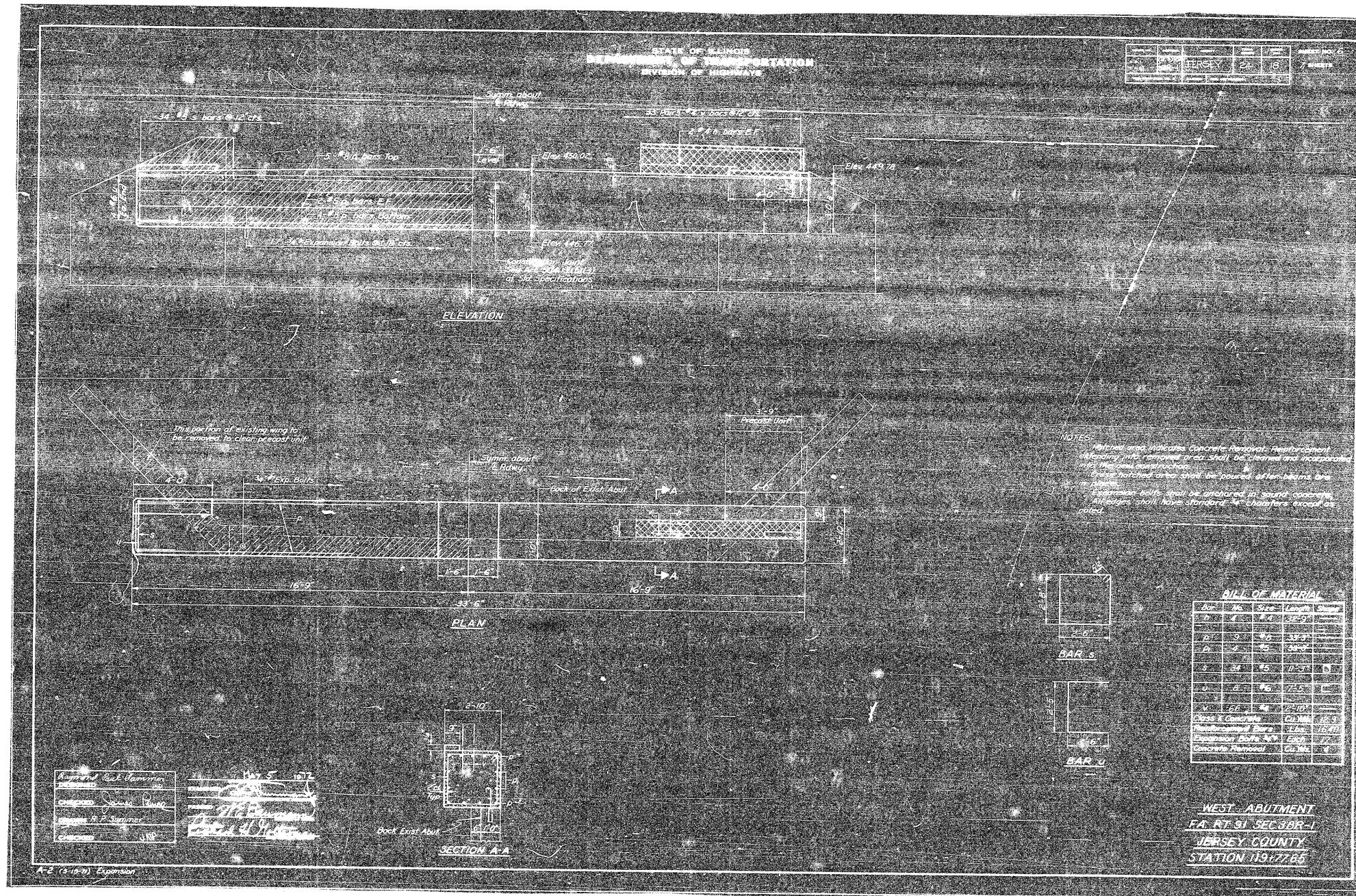


PREFORMED JOINT SEALER (2x7)

DESIGNED	REVIEWED
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	

DETAILS  
F.A. RT. 91 SEC. 3BR-1  
JERSEY COUNTY  
STATION 119+77.65

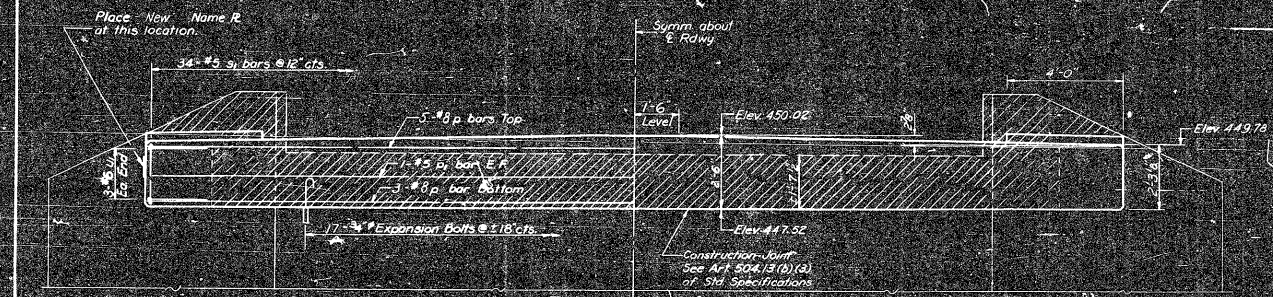




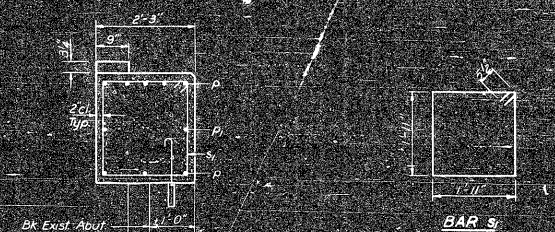


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

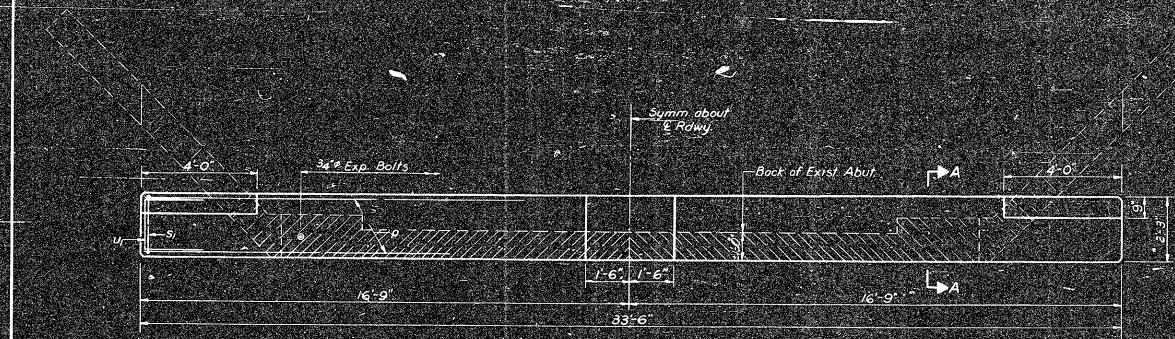
PROJECT NO.	325	SECTION	3BR-2	COUNTY	JERSEY	TOTAL SHEETS	90	SHEET NO.	69
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ELEVATION



SECTION A-A



PLAN

BILL OF MATERIAL

Bar No.	Size	Length	Shape
S	#5	33'-3"	
B	#5	33'-3"	
S	#5	8'-7"	D
U	#6	5'-10"	C

Class X Concrete Cu Yds 6.7  
 Reinforcement Bars Lbs 7742  
 Expansion Bolts #4 Lbs 1728  
 Concrete Removal Cu Yds 4

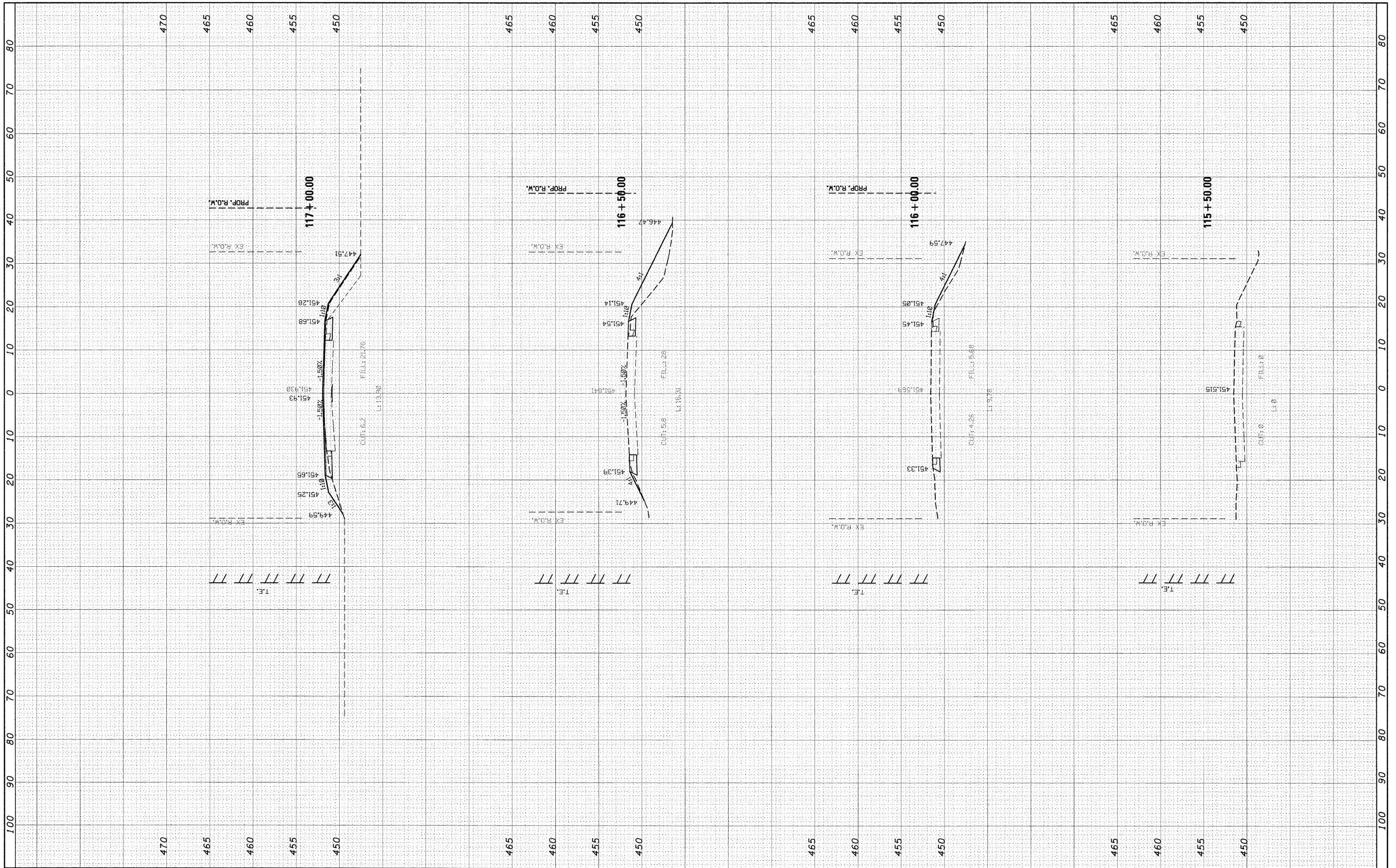
DESIGNED: Raymond Paul Sumner  
 CHECKED: James J. Jones  
 DRAWN: R. P. Sumner  
 CHECKED: J. J. D.  
 MAY 5 1972  
 PREPARED: H. E. Blumenschein  
 CHECKED: H. E. Blumenschein

NOTE: Hatched area indicates Concrete Removal. Reinforcement extending into removed area shall be cleaned and incorporated into the new construction.  
 Expansion bolts shall be anchored in sound concrete.  
 All edges shall have standard 3/4" chamfers except as noted.

EAST ABUTMENT  
 RA RT 91 SEC 3BR-1  
 JERSEY COUNTY  
 STATION 119+77.65

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

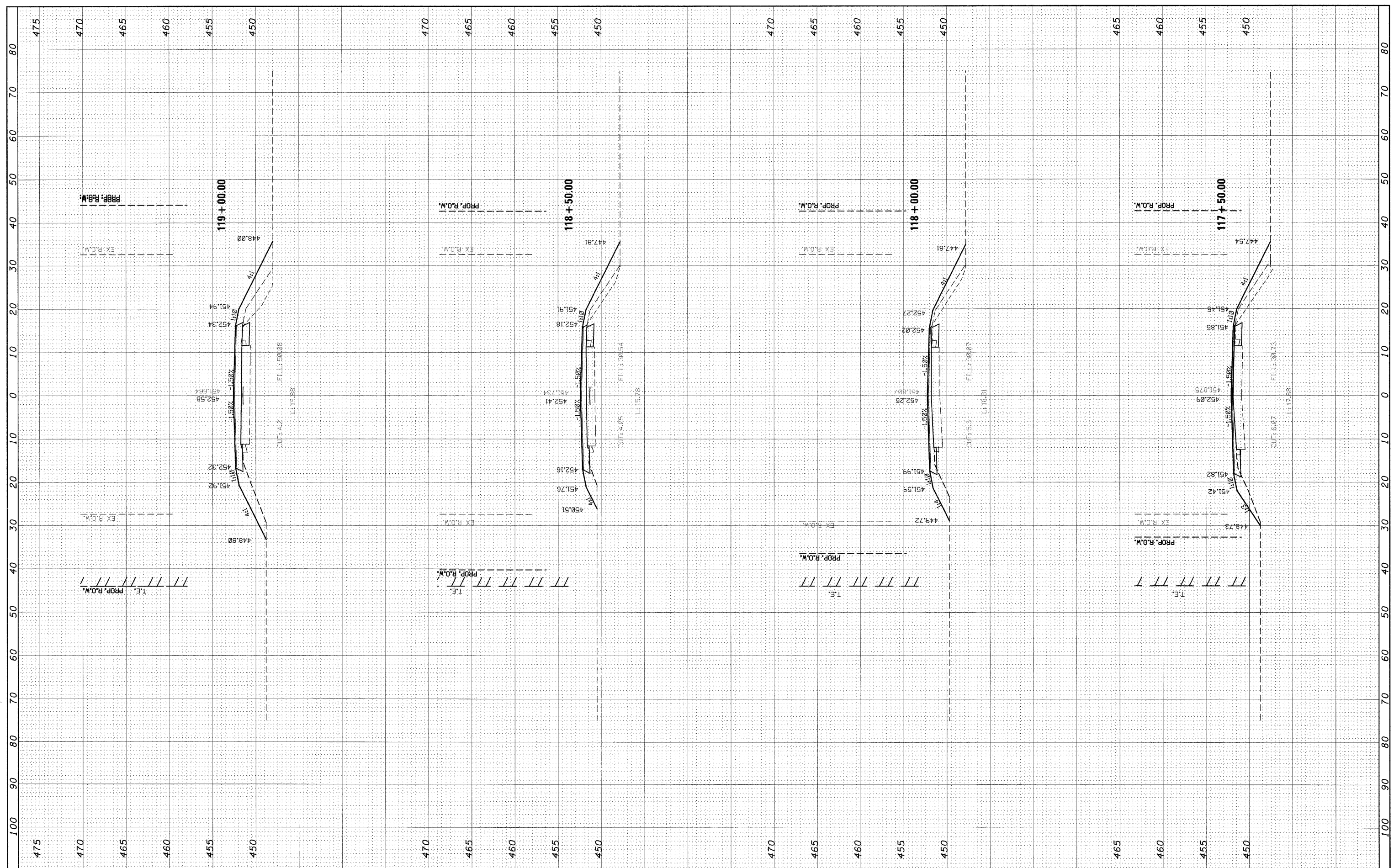
ORIGINAL SURVEY NO.	SUBMITTED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINLINE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 12/11/2008		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					
SCALE:		SHEET NO. 1 OF 7 SHEETS		STA. 115+50.00 TO STA. 117+00.00							

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SUPERSED  
 PLOTTED  
 TEMPLATE  
 NOTE BOOK  
 AREAS CHECKED

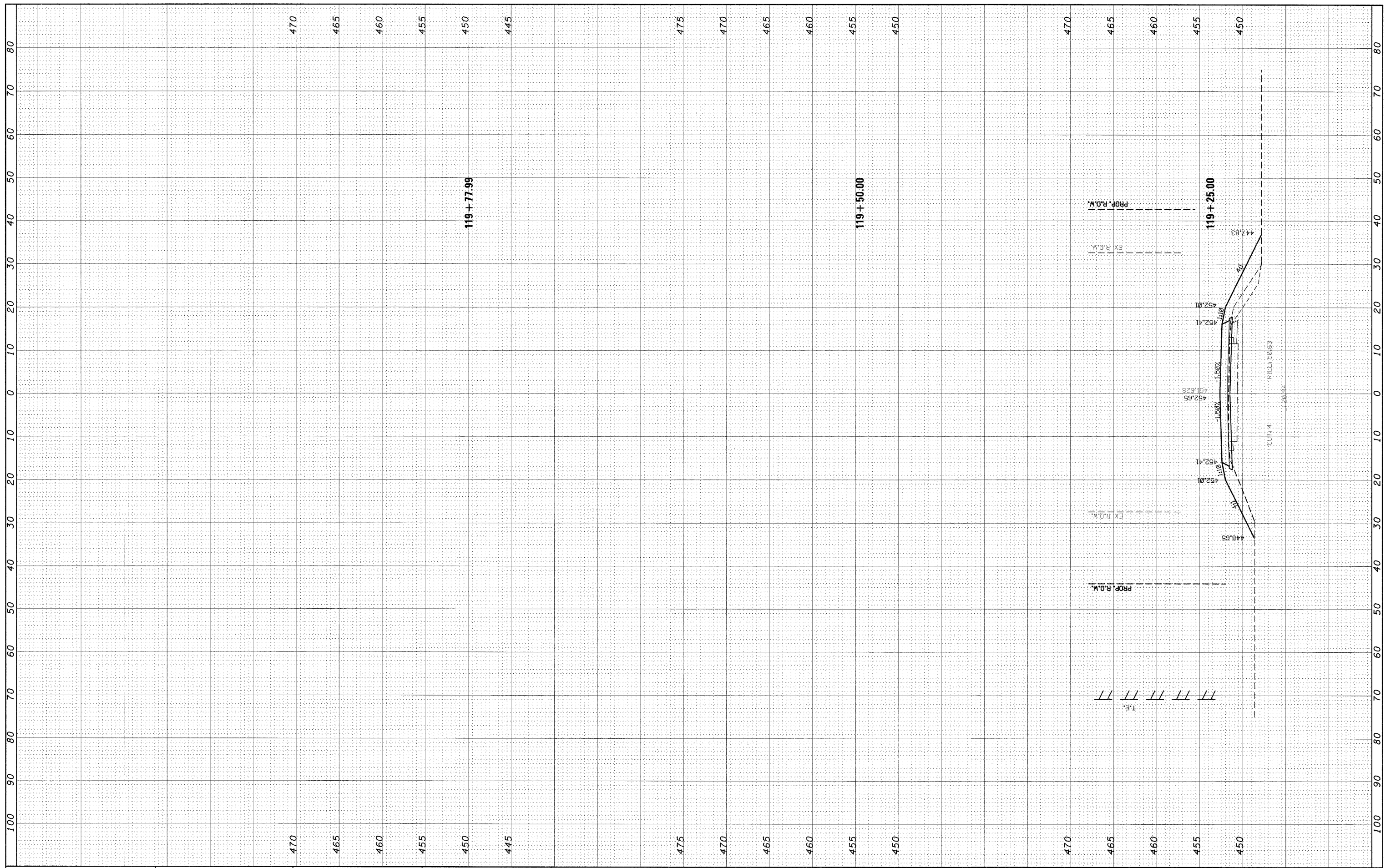
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 BY: \_\_\_\_\_  
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 SURVEY  
 PLOTTED  
 TEMPLATE  
 NOTE BOOK  
 AREAS CHECKED



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINLINE</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\pwidot\manntm\dms51935\ssht1022006.e		DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 7 SHEETS	STA. 117+50.00 TO STA. 119+00.00	325	3BR-2	JERSEY	90	71
		CHECKED -	REVISED -		<b>CONTRACT NO. 76B01</b>							
		DATE	REVISED -		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							

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

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



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 PLOT SCALE = 10,0000' / IN.  
 PLOT DATE = 12/11/2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

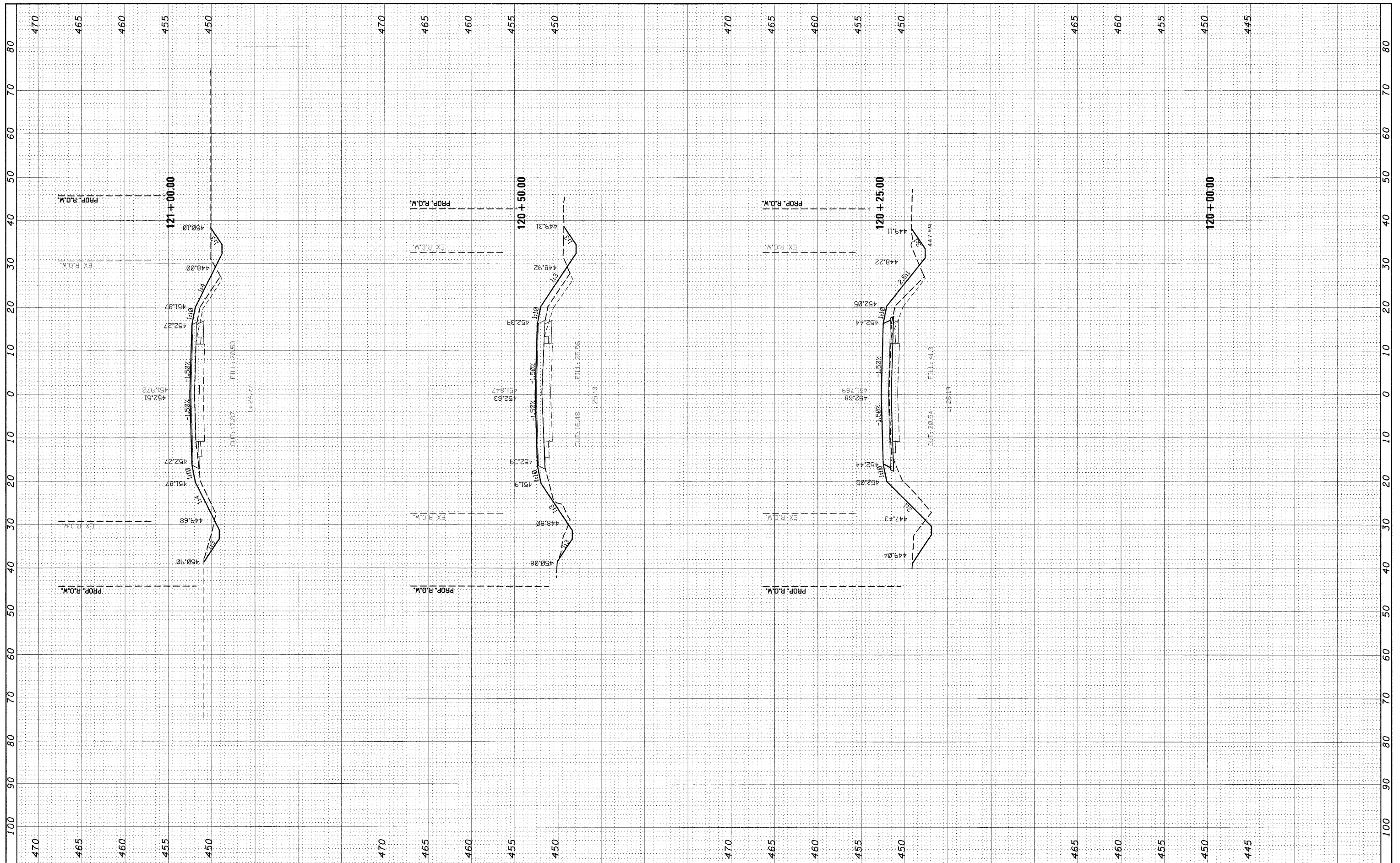
**MAINLINE**

SCALE: SHEET NO. 3 OF 7 SHEETS STA. 119+25.00 TO STA. 119+77.99

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	72
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

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



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DATE -	REVISED -

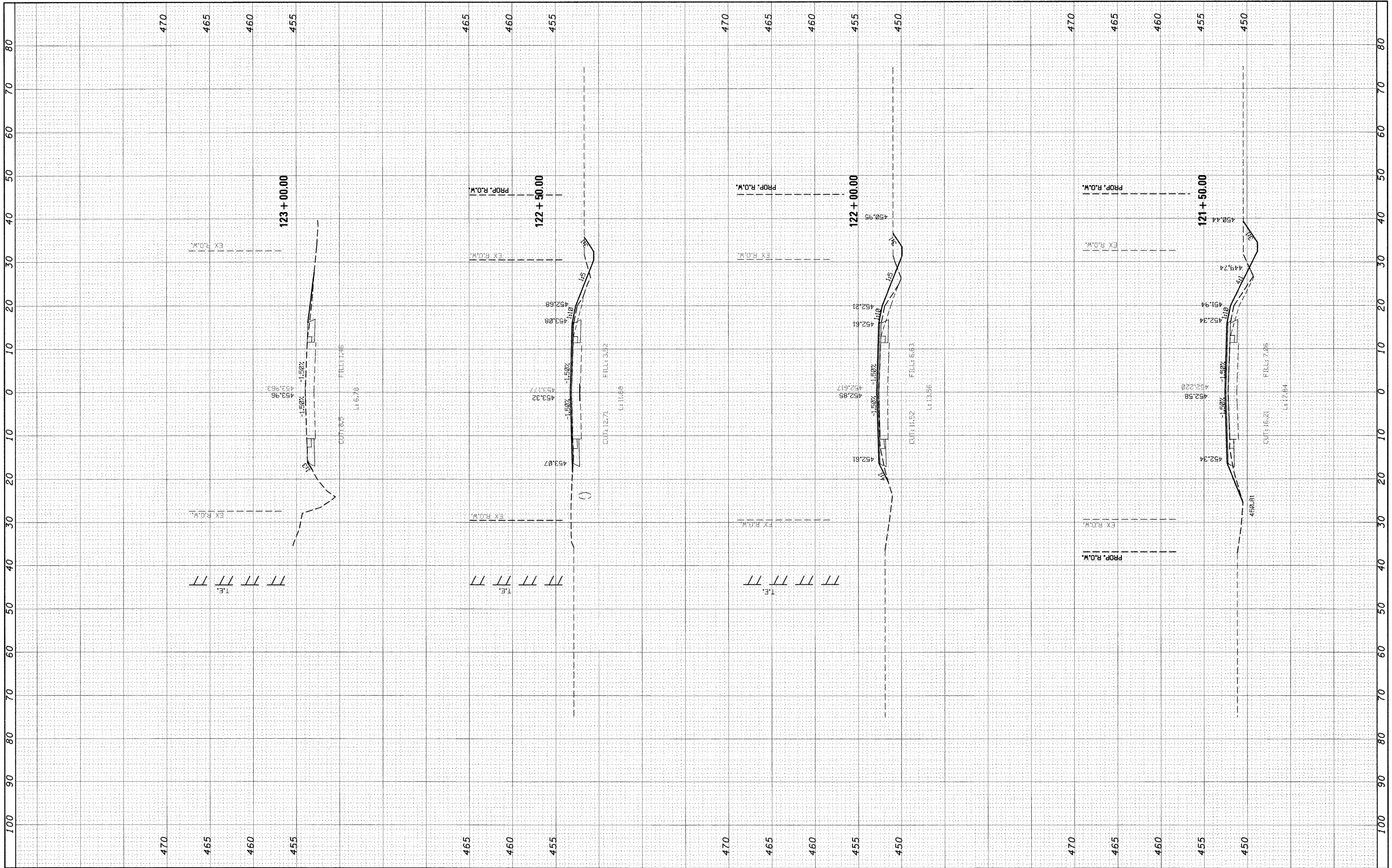
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. 4 OF 7 SHEETS STA. 120+00.00 TO STA. 121+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	73
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
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NO. _____		

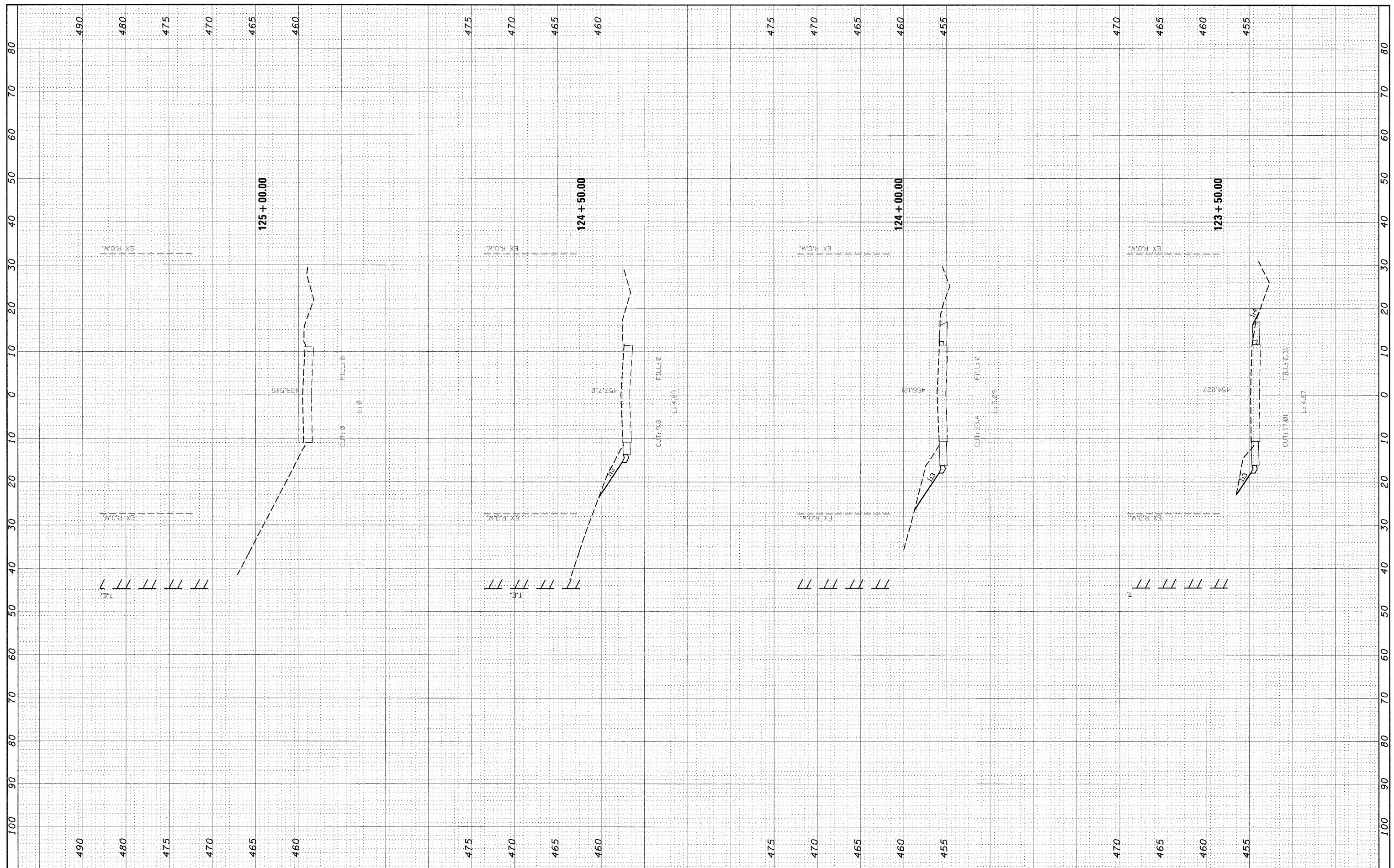
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NO. _____		
NO. _____		
NO. _____		
NO. _____		



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINLINE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

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



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 PLOT DATE = 12/11/2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

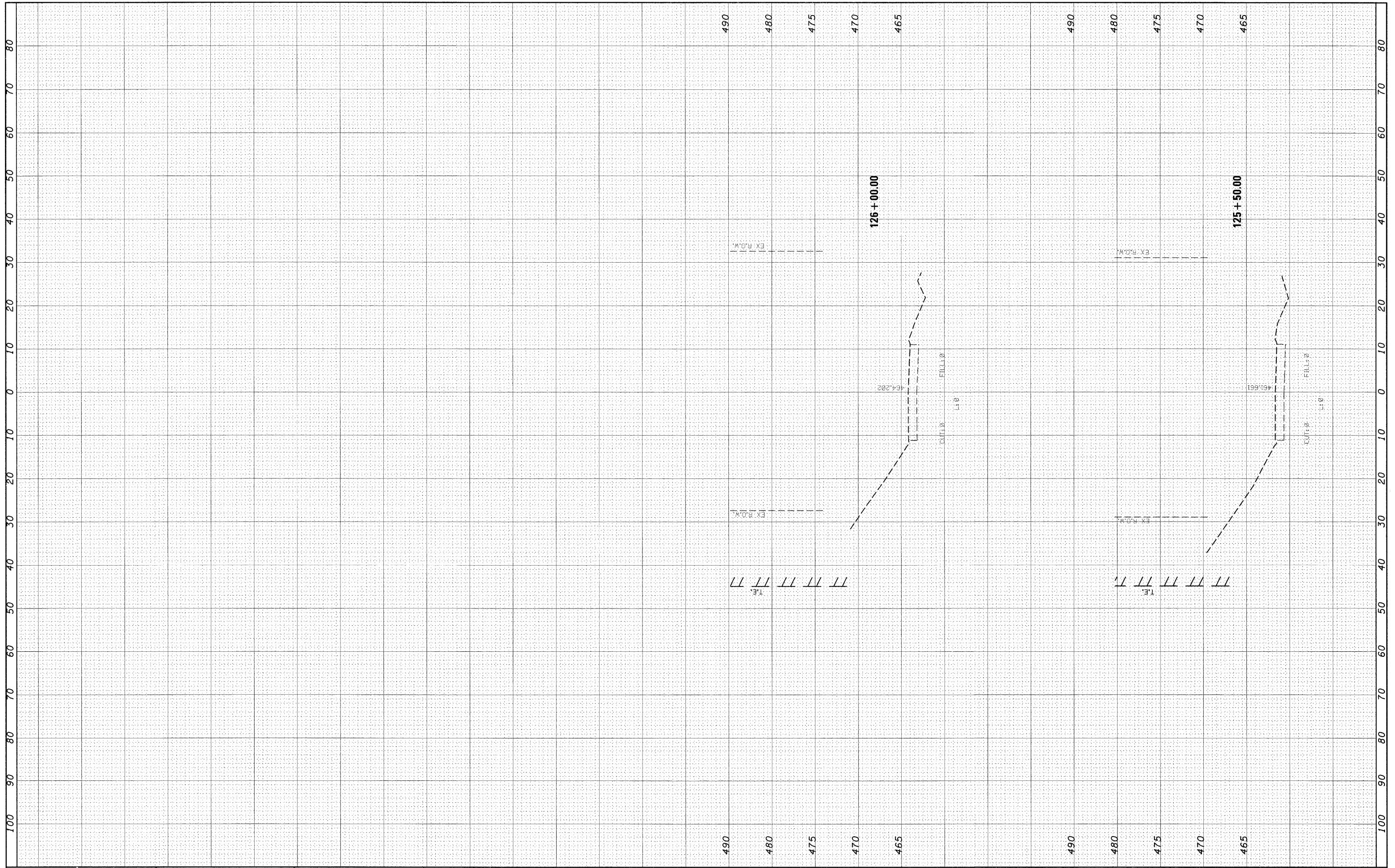
**MAINLINE**

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CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

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

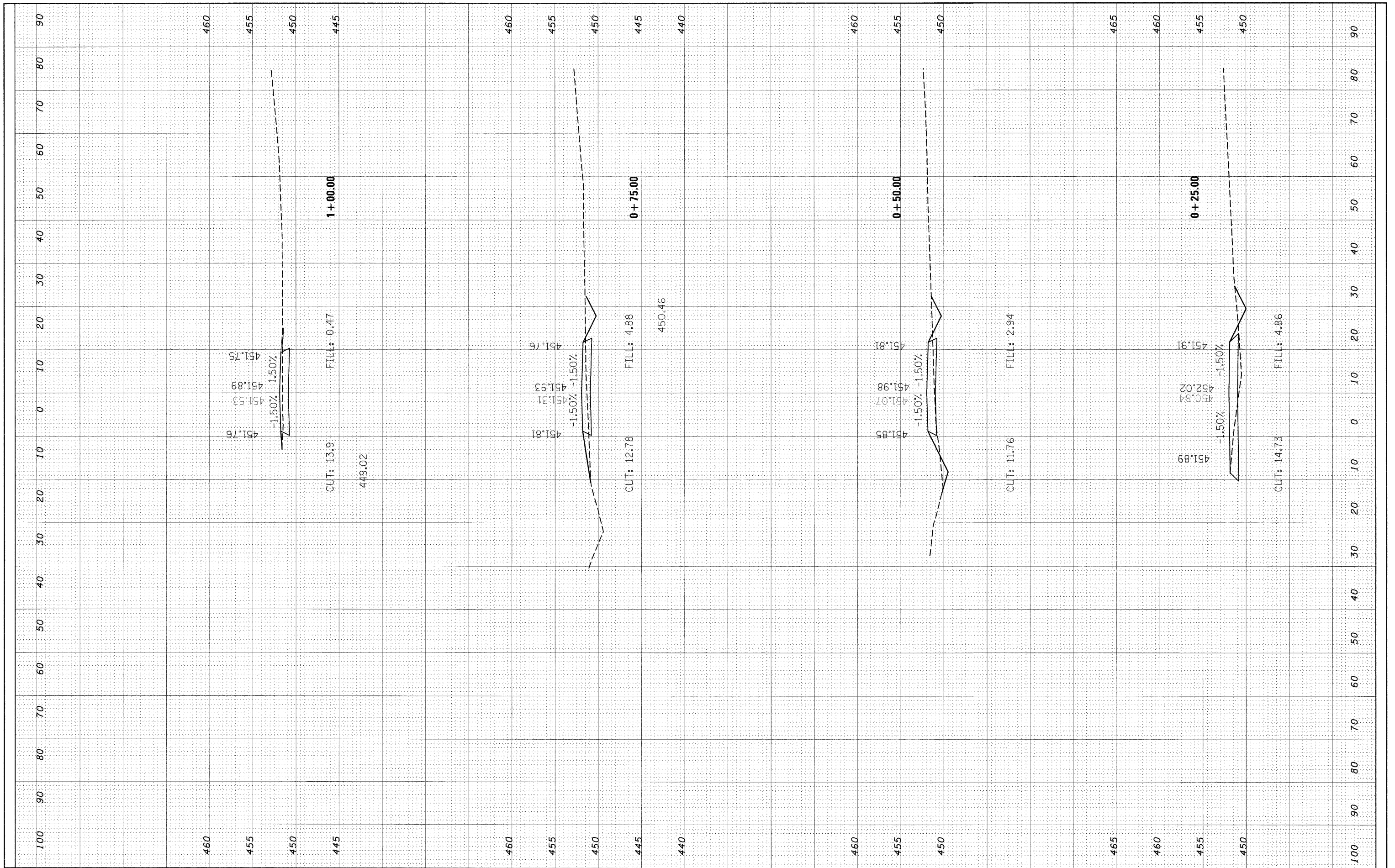


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ORIGINAL SURVEY NO.	BY	DATE
DESIGNED		
DRAWN		
CHECKED		
DATE		

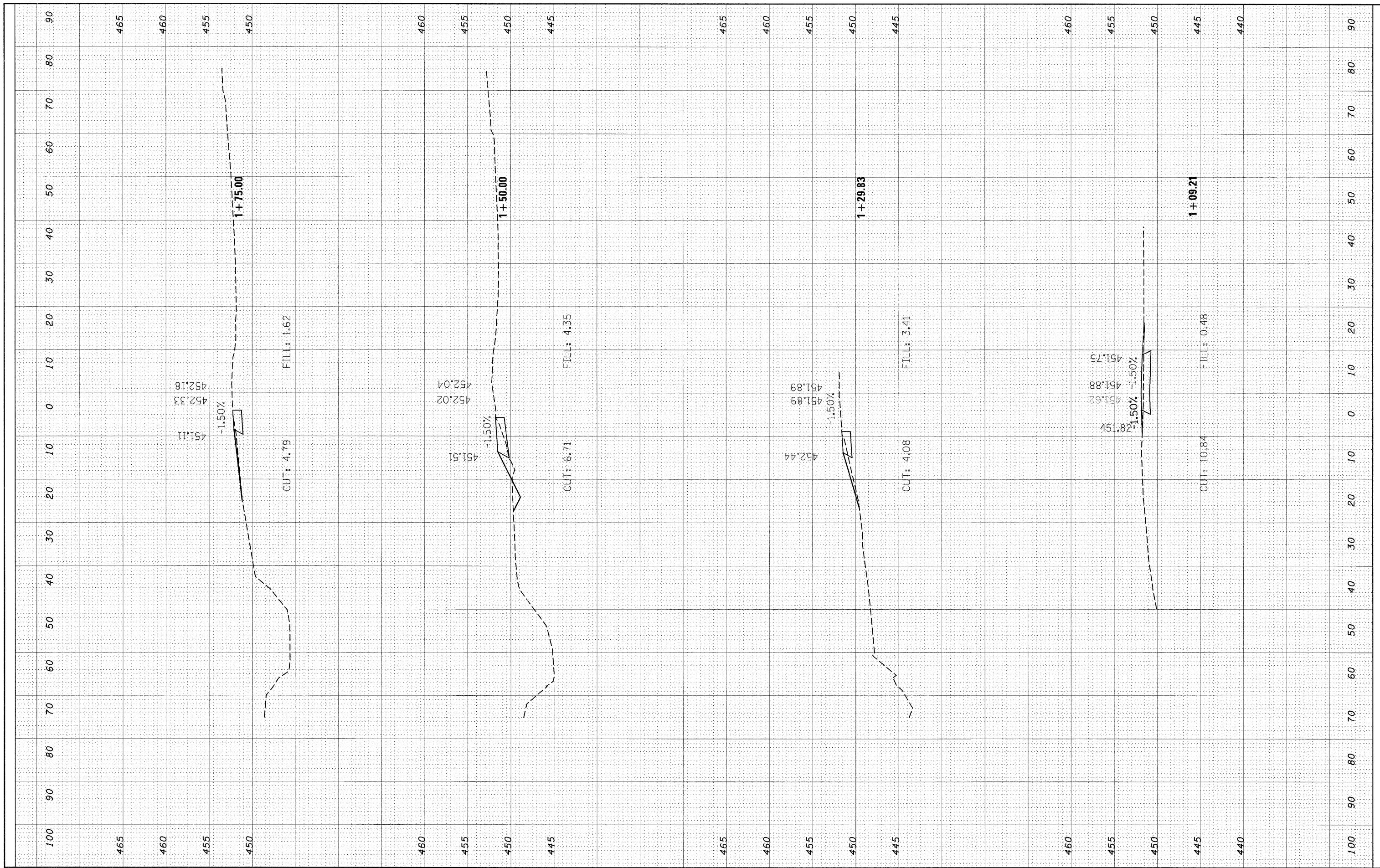
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DESIGNED		
DRAWN		
CHECKED		
DATE		



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY ENTRANCE</b>			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/11/2008		DATE -	REVISED -									
SCALE:					SHEET NO. 1 OF 3 SHEETS	STA. +25.00	TO STA. 1+00.00	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

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

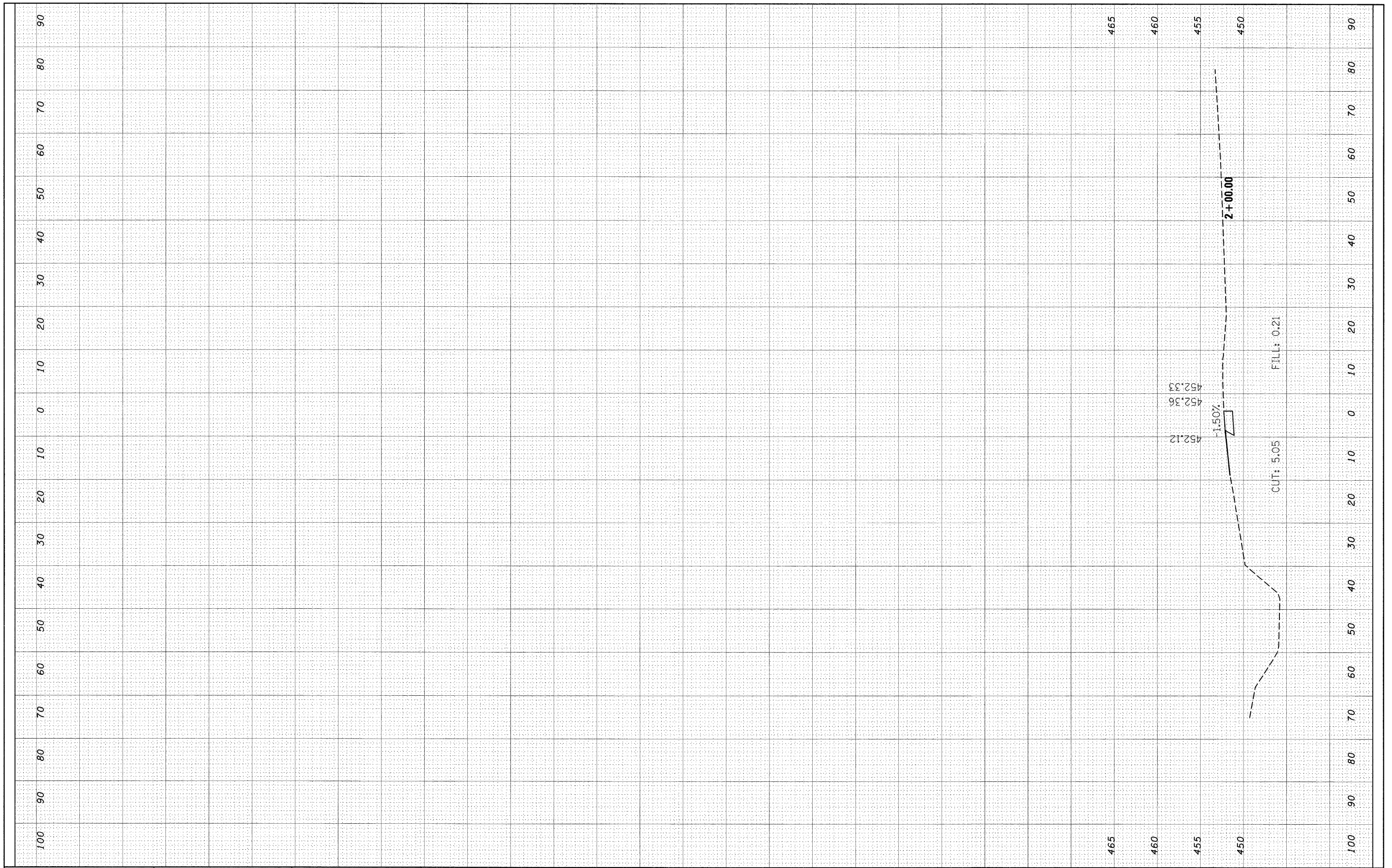
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	NOTE BOOK		
	AREAS CHECKED		



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PLOT DATE = 12/11/2008		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					
SCALE:		SHEET NO. 2 OF 3 SHEETS		STA. 1+09.21 TO STA. 1+75.00							

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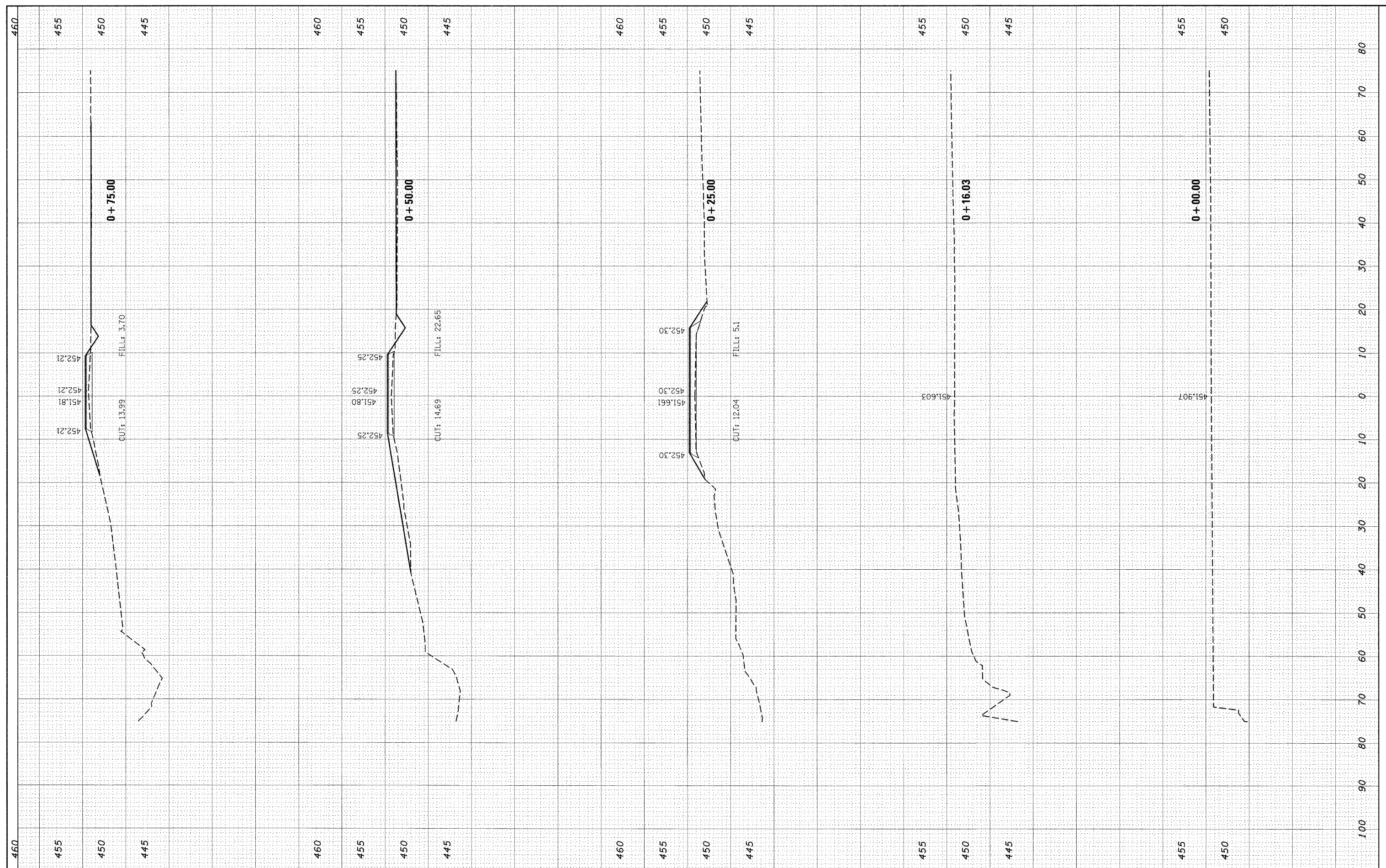
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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY ENTRANCE</b>	SCALE: SHEET NO. 3 OF 3 SHEETS STA. 2+00.00 TO STA. 2+00.00	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\manntm\dms51935\ssht402006b.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -				325	3BR-2	JERSEY	90	79
PLOT DATE = 12/11/2008	DATE -	CHECKED -	REVISED -				CONTRACT NO. 76B01				
		DATE -	REVISED -				FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NO. 10	PLOTTED		
NOTE BOOK	TEMPLATE		
NO. 30	AREAS CHECKED		

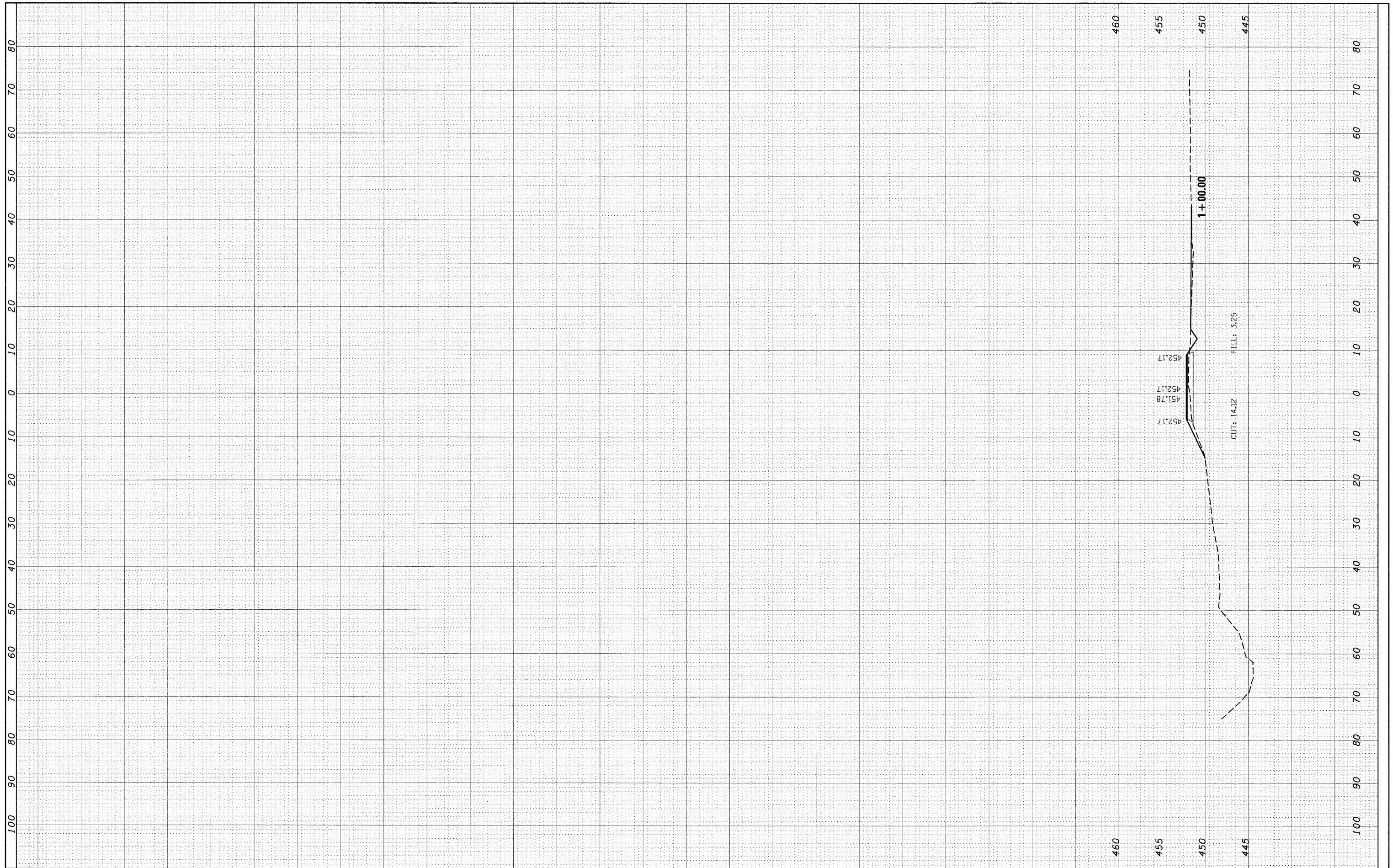
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NOTE BOOK	TEMPLATE		
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FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>LONESTAR ROAD</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\pwsdot\mannam\dms51935\ssht020206.dgn	DRAWN -	REVISED -	325				3BR-2	JERSEY	90	80	
PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76B01								
PLOT DATE = 12/11/2008	DATE -	REVISED -	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT								
SCALE: SHEET NO. 1 OF 2 SHEETS		+57.0000 TO +57.6000									

FINAL SURVEY NO.	SUBMITTED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

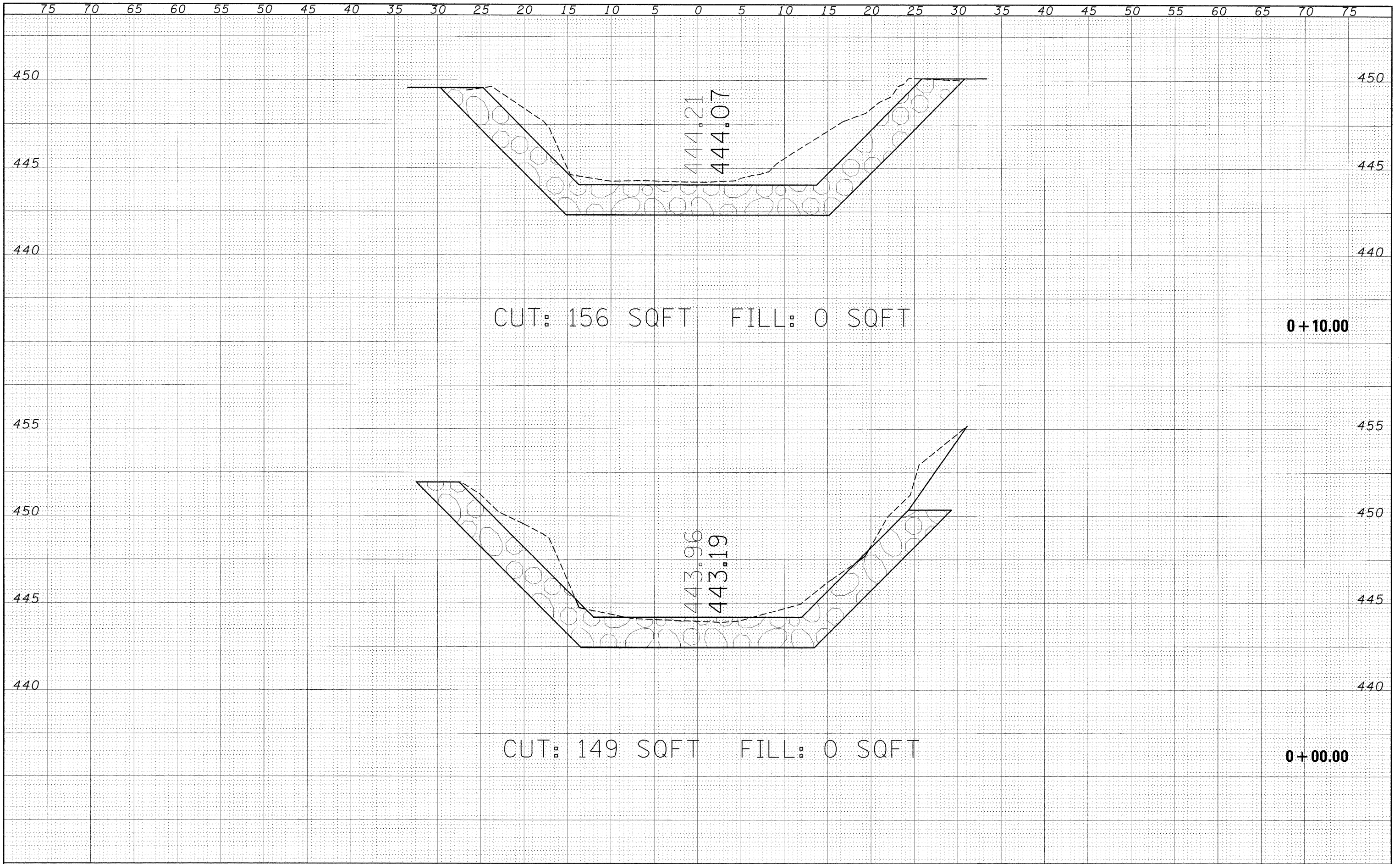
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	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LONESTAR ROAD</b>			F.A.P. RTE. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 81
c:\pwork\pwork\manntm\dms51935\sssh102006.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 2 SHEETS	STA. 1+00.00	TO STA. 1+00.00	CONTRACT NO. 76B01			
	PLOT DATE = 12/11/2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

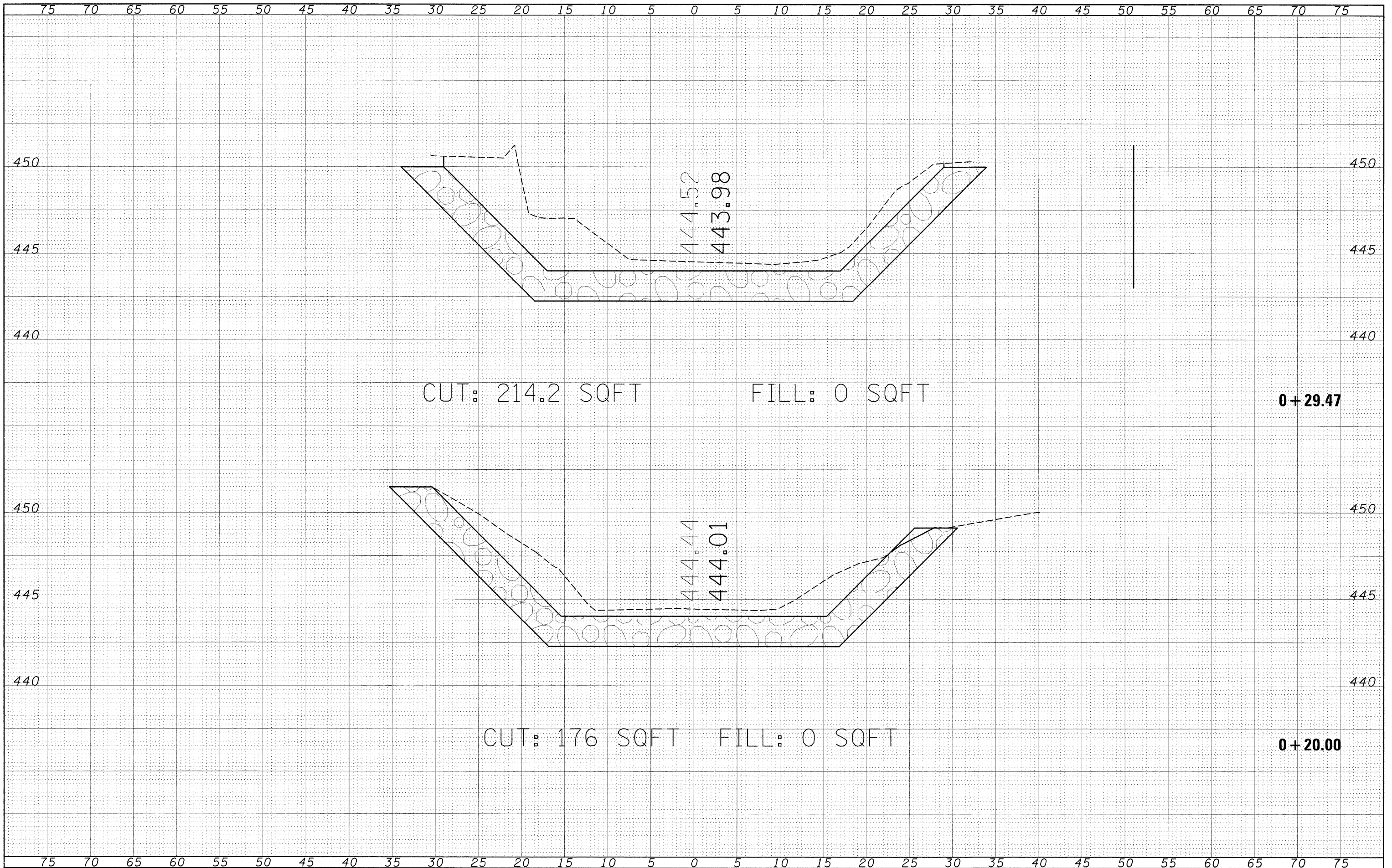
DATE	
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PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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PLOTTED	
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CHECKED	
FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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DESIGNED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

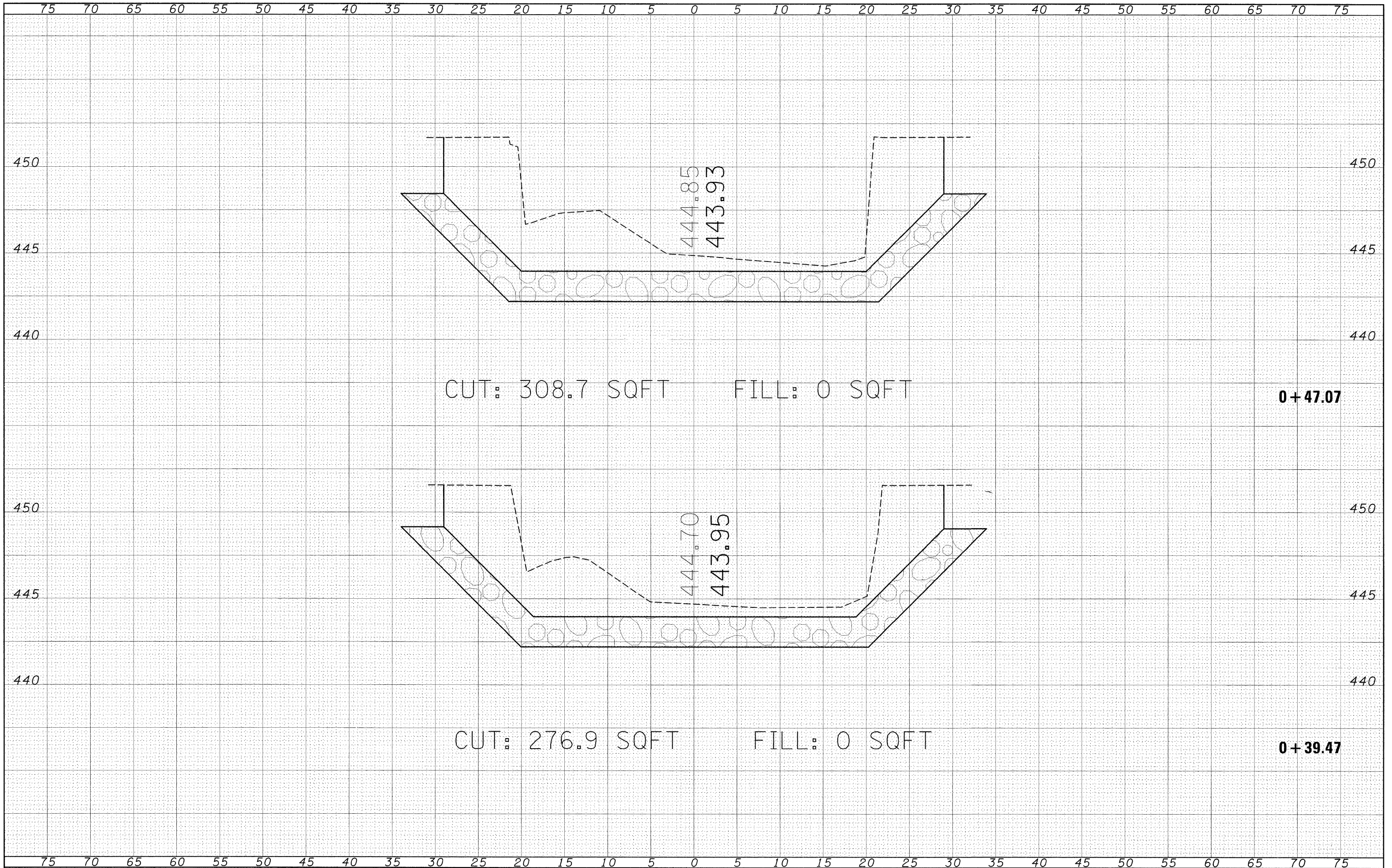
**BAUM BRANCH CREEK  
 CROSS SECTIONS**

SCALE: SHEET NO. 2 OF 6 SHEETS STA. +20.00 TO STA. +29.47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	83
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



CUT: 308.7 SQFT      FILL: 0 SQFT

**0+47.07**

CUT: 276.9 SQFT      FILL: 0 SQFT

**0+39.47**

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 PLOT DATE = 12/11/2008

DESIGNED -  
 DRAWN -  
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REVISED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BAUM BRANCH CREEK  
 CROSS SECTIONS**

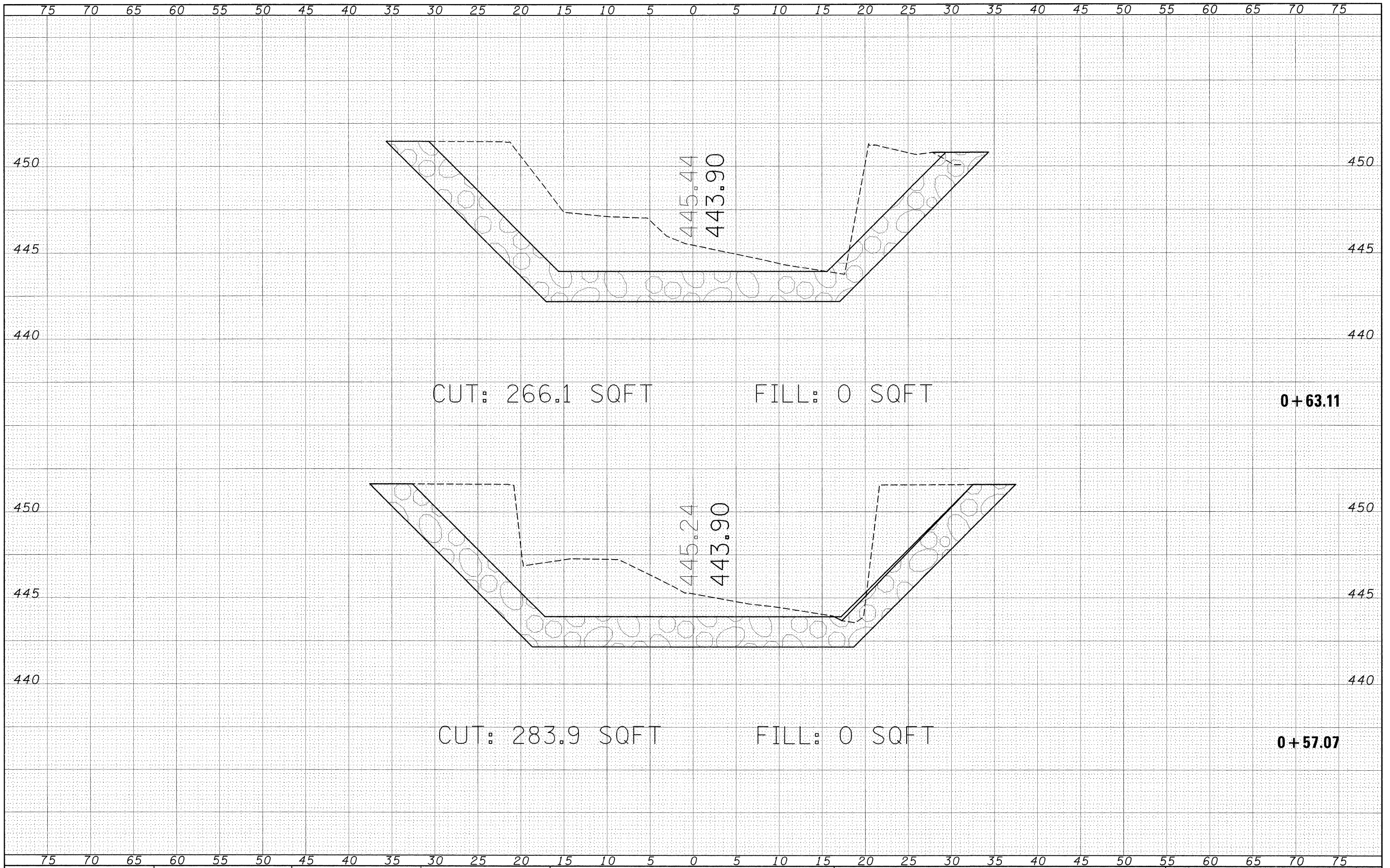
SCALE: SHEET NO. 3 OF 6 SHEETS    STA. +39.47    TO STA. +47.07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	84
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



DATE	
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TEMPLATE	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

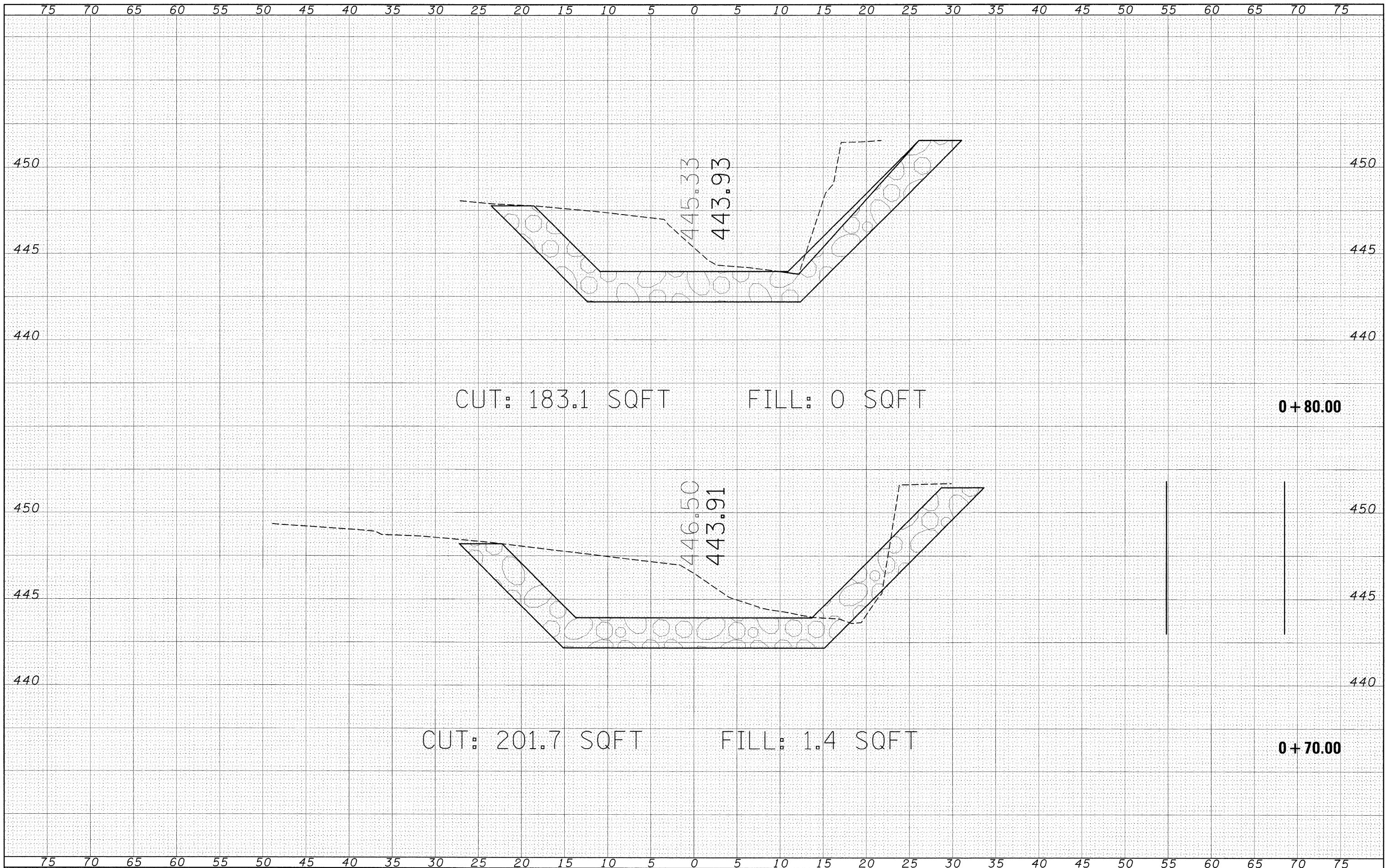
**BAUM BRANCH CREEK  
 CROSS SECTIONS**

SCALE: SHEET NO. 4 OF 6 SHEETS    STA. +57.07    TO STA. +63.11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	85
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

DATE	
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REVISIONS	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

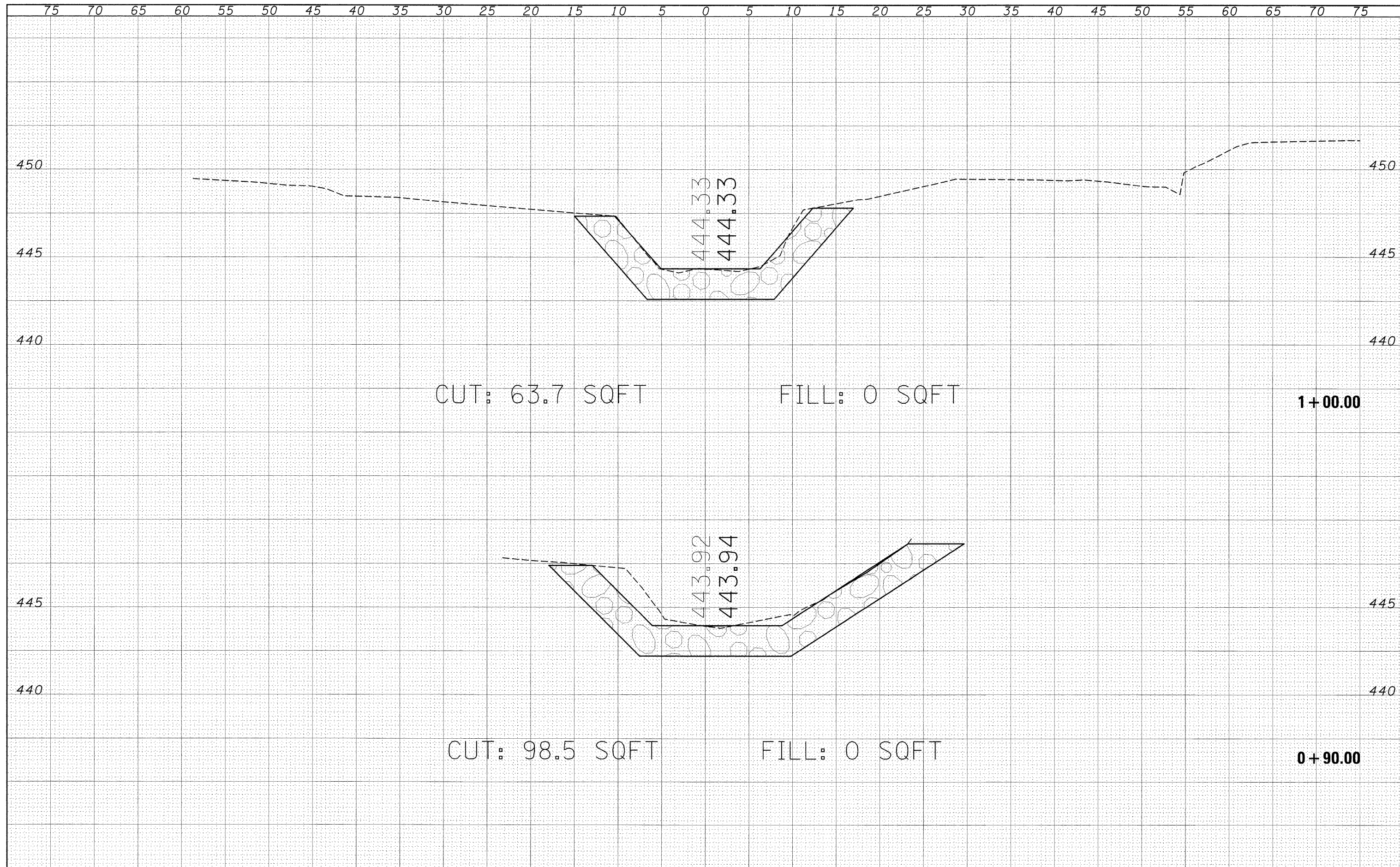
**BAUM BRANCH CREEK  
 CROSS SECTIONS**

SCALE: SHEET NO. 5 OF 6 SHEETS STA. +70.00 TO STA. +80.00

F.A.P. R.T.E. 325	SECTION 3BR-2	COUNTY JERSEY	TOTAL SHEETS 90	SHEET NO. 86
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

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



CUT: 63.7 SQFT

FILL: 0 SQFT

1+00.00

CUT: 98.5 SQFT

FILL: 0 SQFT

0+90.00

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 PLOT DATE = 12/11/2008

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

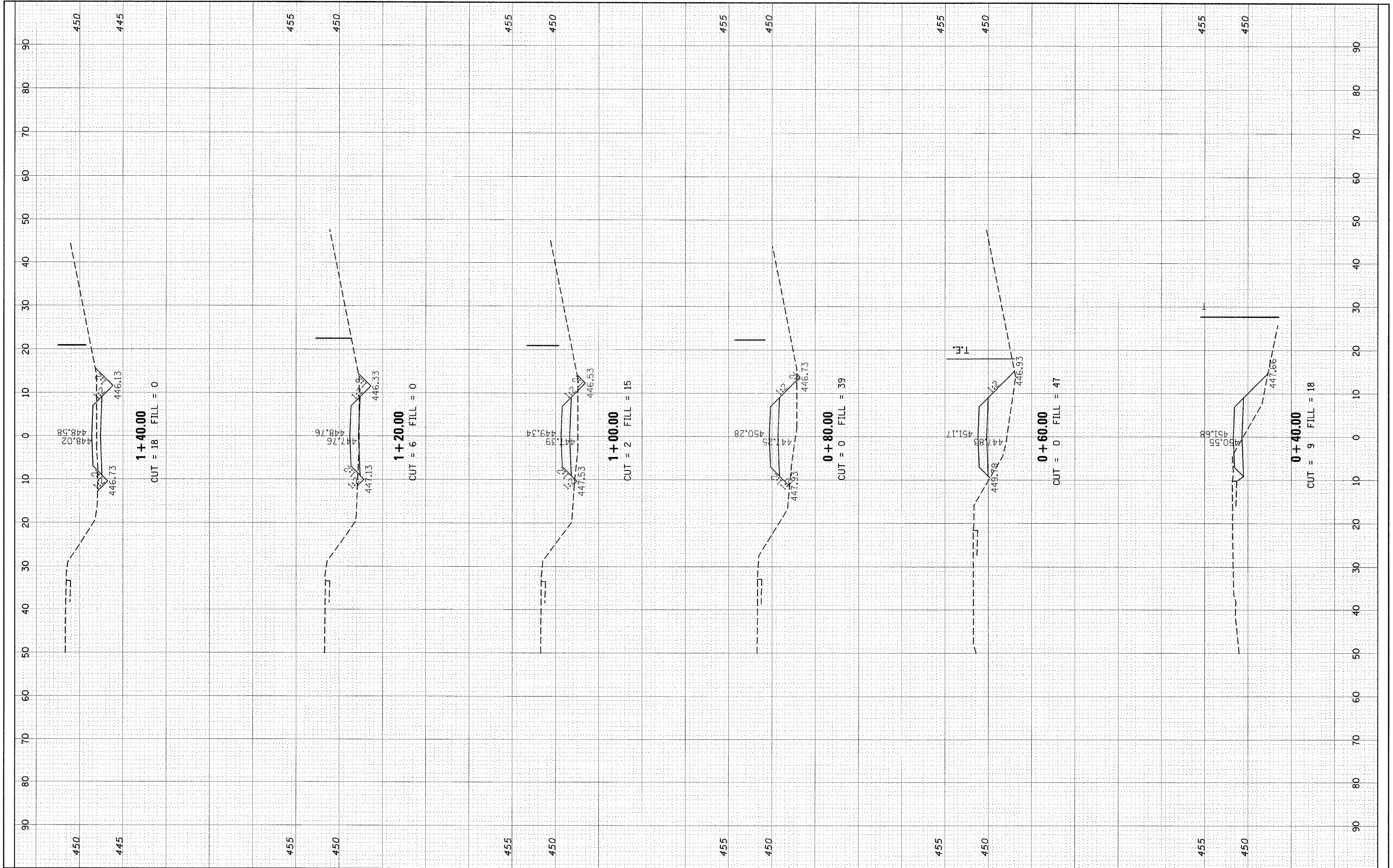
**BAUM BRANCH CREEK  
 CROSS SECTIONS**

SCALE: SHEET NO. 6 OF 6 SHEETS STA. +90.00 TO STA. 1+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3BR-2	JERSEY	90	87
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

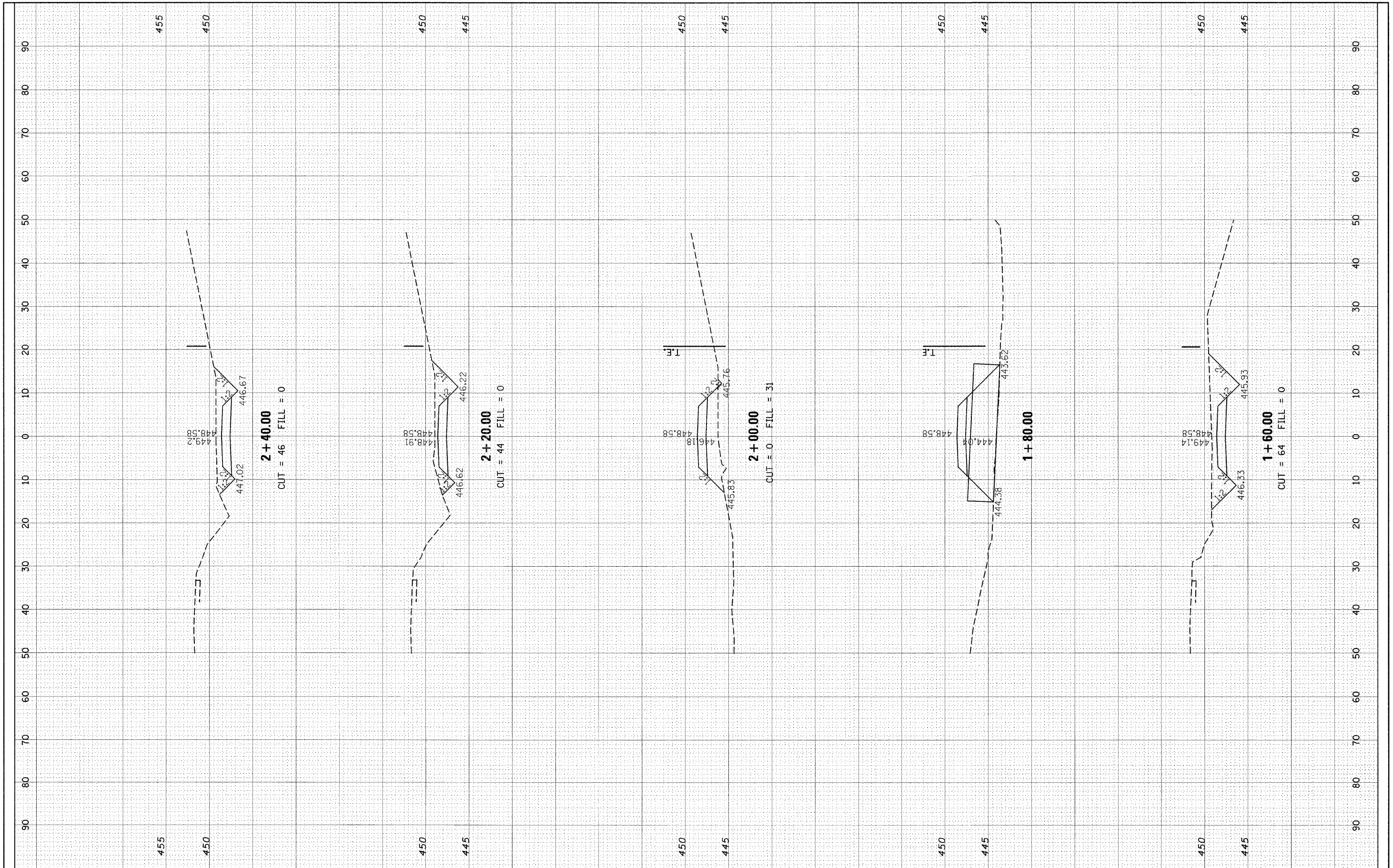
**CROSS SECTION (HAUL ROAD)**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. +40.00 TO STA. 1+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3-BR-2	JERSEY	90	88
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B01	

FINAL SURVEY	DATE
NOTE BOOK	BY
TEMPLATIC	
AREAS CHECKED	
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ORIGINAL SURVEY	DATE
NOTE BOOK	BY
TEMPLATIC	
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DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

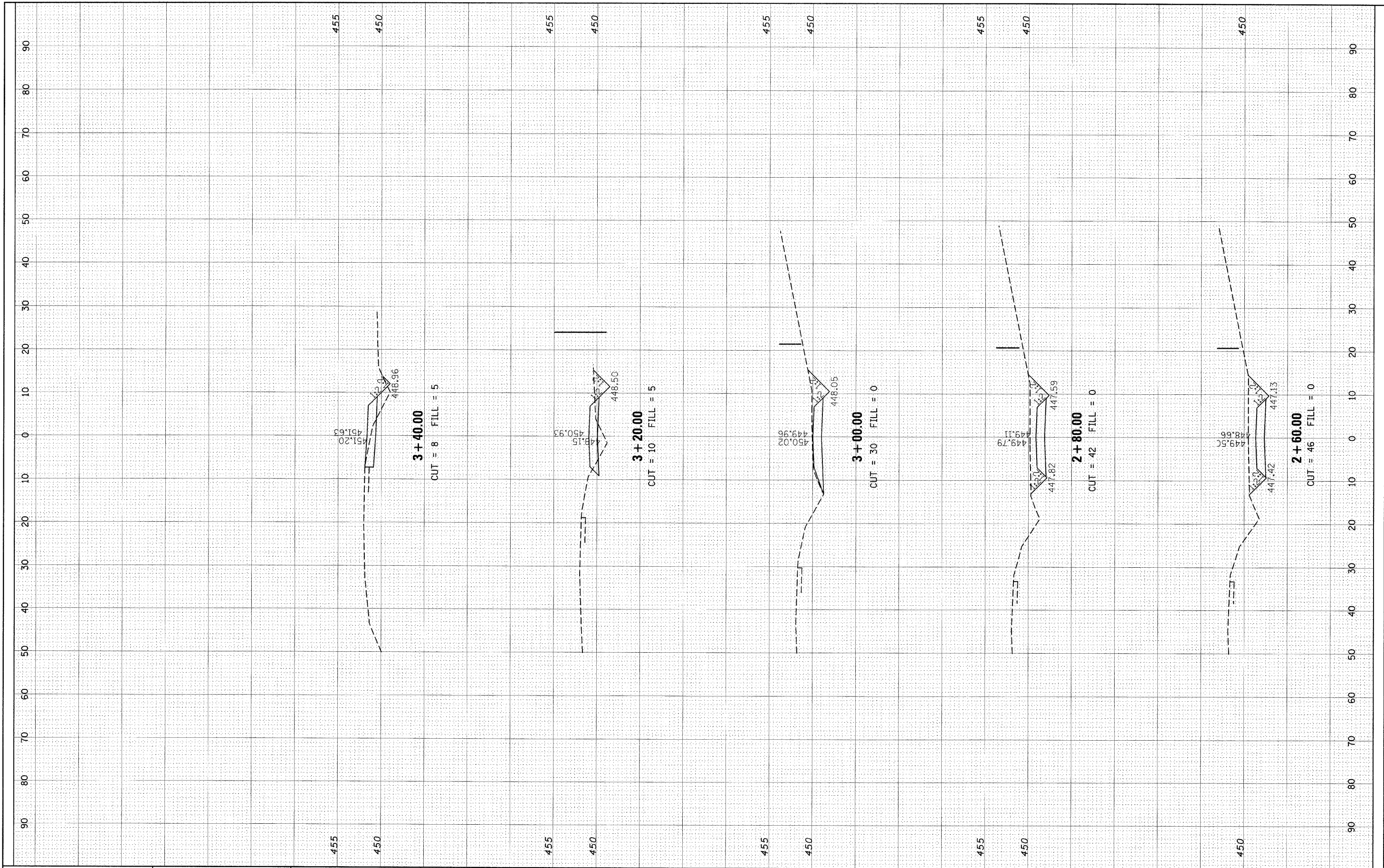
**CROSS SECTION (HAUL ROAD)**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. 1+60.00 TO STA. 2+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3-BR-2	JERSEY	90	89
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76B01	

FINAL	REVISIONS	DATE
APPROVED	BY	
DATE		
NO.		

ORIGINAL	DATE
NO.	



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTION (HAUL ROAD)

SCALE: SHEET NO. 3 OF 3 SHEETS STA. 2+60.00 TO STA. 3+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	3-BR-2	JERSEY	90	90
CONTRACT NO. 76B01				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				