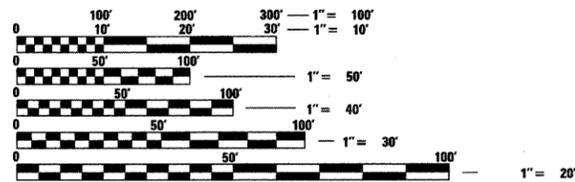


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- 701011-01 OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY > 45MPH
- 701201-02 LANE CLOSURE, 2L, 2W - DAY ONLY FOR SPEEDS > 45 MPH
- 701301-02 LANE CLOSURE, 2L, 2W - SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE, 2L, 2W - SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
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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**  
**PROJECT MANAGER – CHERYL KEPLAR**  
**CONTRACT NO. 76B22**

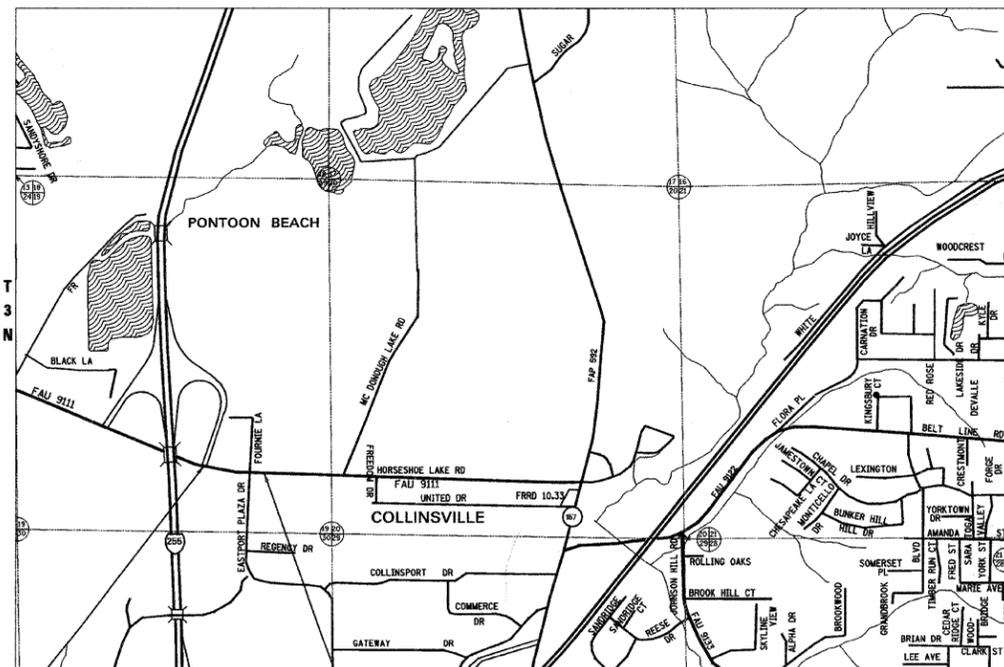
**DESIGN DESIGNATION**  
(TO BE PROVIDED BY IDOT)

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DIVISION OF HIGHWAYS**

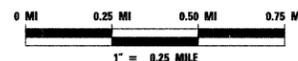
**PROPOSED**  
**HIGHWAY PLANS**

**FAU ROUTE 9111**  
**(HORSESHOE LAKE RD)**  
**SECTION 73-15TS**  
**PROJECT: ACHSIP-ACM-9111(001)**  
**MADISON COUNTY**  
**C-98-101-07**



**BEGIN SECTION 73-15TS** STA. 225+06.5  
**END SECTION 73-15TS** STA. 242+85  
R 8 W

**LOCATION MAP**



SECTION GROSS LENGTH = 1,778.5' = 0.337 MILES  
SECTION NET LENGTH = 1,778.5' = 0.337 MILES



EXPIRES 11-30-2009

*Philip Murphy*  
PHILIP A. MURPHY, P.E.

DATE: 3/14/08

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76B22		

64+4=68

D-98-097-07



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 18, 2008

*Man C. Janni*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9, 2008

*Eric E. Horn*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2008

*Christie M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY**  
**OF THE STATE OF ILLINOIS**



OATES ASSOCIATES  
Consulting Engineers

# GENERAL NOTES

# COMMITMENTS

- 1 UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.
- 2 ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 2 FEET CLEARANCE, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.
- 3 ILLINOIS STATE LAW REQUIRES A 48 - HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.L.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 

UTILITY COMPANY	TYPE
*AMERENIP	GAS & ELECTRIC
*AT&T CORPORATION	COMMUNICATIONS
*CHARTER COMMUNICATIONS, INC.	CABLE TV
*CITY OF COLLINSVILLE	WATER & SANITARY SEWER
*AT&T ILLINOIS	COMMUNICATIONS
*SOUTHWESTERN ELECTRIC COOPERATIVE, INC.	ELECTRIC

\*MEMBERS OF JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.U.L.L.E.), THE J.U.L.L.E. SYSTEM PHONE NUMBER IS 1-800-892-0123. NON-J.U.L.L.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- 4 PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR APPROVAL OF THE TEMPORARY MAILBOX LOCATIONS.
- 5 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- 6 THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ADJUTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION
- 7 WHEN THE MILLING OPERATION COMMENCES, "ROUGH GROOVED SURFACE" (WS-1106-(0)-48) SIGNS SHALL BE PLACED BY THE CONTRACTOR AT EACH END OF THE SECTION, AND EACH INTERSECTING SIDE ROAD. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS ITEMS OF WORK INVOLVED.
- 8 THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURES ARE PLACED.
- 9 STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS IS THE PERCENT GRADE FROM CENTER TO CENTER OF STRUCTURE. THE LENGTH OF STORM SEWERS SHOWN ON THE PLANS IS THE DISTANCE FROM CENTER TO CENTER OF STRUCTURE. STORM SEWER SHALL BE MEASURED AND PAID FOR AS SPECIFIED IN ARTICLE 550.09 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." FLARED END SECTIONS ARE LOCATED BY STATION, OFFSET AND FLOWLINE ELEVATION AT THE FLARED END OF THE FLARED END SECTION.
- 10 THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.
- 11 ALL DRAINAGE STRUCTURES CONSTRUCTED, ADJUSTED OR RECONSTRUCTED UNDER THE CONTRACT, SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS OR FOREIGN MATTER AT THE END OF EACH WORKING DAY AND AT THE TIME OF FINAL INSPECTION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS DRAINAGE STRUCTURE ITEMS INCLUDED IN THE CONTRACT.
- 12 THE CONTRACTOR SHALL APPLY TEMPORARY PAVEMENT MARKINGS TO THE MILLED, PRIMED AND EACH HOT-MIX ASPHALT SURFACE LAYER. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVMENT MARKING TIMES THE NUMBER OF REQUIRED APPLICATIONS HAS BEEN INCLUDED IN THE PLANS.
- 13 THE TRAFFIC SIGNAL PLANS WERE DESIGNED AND PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION
- 14 REMOVAL OF EXISTING AGGREGATE SHOULDERS SHALL BE INCLUDED WITH EARTH EXCAVATION.

- 15 THE COST OF THE COARSE AGGREGATE THAT IS REQUIRED UNDER THE CONCRETE MEDIAN SURFACE SHALL BE INCLUDED IN THE COST OF THE CONCRETE MEDIAN SURFACE, 4".
- 16 SUGGESTED STAGING PLANS HAVE BEEN INCLUDED WITH THIS CONTRACT. SHOULD THE CONTRACTOR WANT TO MODIFY THE STAGING, A PROPOSAL SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO MODIFICATIONS.
- 17 THE GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IN ADVANCE WHEN THE SUBGRADE IS EXPECTED TO BE COMPLETED. ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS STATES THAT THE SUBGRADE SHALL HAVE A MINIMUM IMMEDIATE BEARING VALUE (IBV) OF 8. THIS WILL BE DETERMINED ACCORDING TO THE ILLINOIS TEST PROCEDURE 501 OR 502.

18 MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	FAU 9111	HORSESHOE LAKE ROAD
SECTION	73-15TS	
COUNTY	MADISON	
CONTRACT	76B22	

DESCRIPTION:	WIDENING AND RESURFACING ON HORSESHOE LAKE ROAD AND INTERSECTION IMPROVEMENTS ON EASTPORT PLAZA DRIVE
--------------	---

ADT (CONSTRUCTION YR.)	24000
MU%:	2
SU%:	2
20 YR. ESAL'S:	3.26

MIXTURE USE	SURFACE	LEVEL BINDER	BINDERPATCHING	BASE COURSE
ACPG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	10%	10%	10%
DESIGN AIR VOIDS	4.0% @ Ndes = 90			
MIX COMPOSITION			IL-19.0	IL-19.0
(GRADATION MIXTURE)				
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "B"

MIXTURE USE	SHOULDERS	TOP LIFT SHOULDERS		
ADPG	PG 58-22	PG 58-22		
RAP % (MAX)	30%	30%		
DESIGN AIR VOIDS	2.0% @ Ndes = 30	**2.0% @ Ndes = 30		
MIX COMPOSITION				
(GRADATION MIXTURE)				
FRICITION AGG	BAM	BAM		

\*\* TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LBSQ YD<sup>3</sup>N (59.8 KG/SQ M/25 MM THICKNESS).

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**

CODE NO	ITEM	UNIT	URBAN TOTAL	ACHSIP	ACM	ACHSIP	ACHSIP				
				1000-1A	1000-1A	Y031-1F	Y031-1F				
				ROADWAY	ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNALS				
				RT TURN LANE		I-255	EASTPORT				
				HSIP	STP	RAMPS 3 & 4	PLAZA DR.				
				90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	57 Collinsville 90% FEDERAL 5% STATE				
20200100	EARTH EXCAVATION	CU YD	1190	1052	138						
20400800	FURNISHED EXCAVATION	CU YD	588	588							
20800150	TRENCH BACKFILL	CU YD	105	105							
25000210	SEEDING, CLASS 2A	ACRE	1.2	0.6	0.6						
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	108	54	54						
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	108	54	54						
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	108	54	54						
25100115	MULCH, METHOD 2	ACRE	1.2	0.6	0.6						
25100630	EROSION CONTROL BLANKET	SQ YD	1566	1566							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	120	60	60						
28000300	TEMPORARY DITCH CHECKS	EACH	5	5							
28000400	PERIMETER EROSION BARRIER	FOOT	3710	3710							
28000500	INLET AND PIPE PROTECTION	EACH	22	22							
28100103	STONE RIPRAP, CLASS A2	SQ YD	40	40							
28200200	FILTER FABRIC	SQ YD	40	40							
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	5131	4446	685						
30201500	LIME	TON	99	86	13						
35501330	HOT-MIX ASPHALT BASE COURSE, 11 1/2"	SQ YD	3923	3238	685						
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	3.3	3.1	0.2						
40600300	AGGREGATE (PRIME COAT)	TON	16	15	1						
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	1324	1209	115						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	196	196							
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	53	53							
40600990	TEMPORARY RAMP	SQ YD	249	246							
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	876	818	58						
44000100	PAVEMENT REMOVAL	SQ YD	393	393							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	61	61							
44003100	MEDIAN REMOVAL	SQ FT	5840	5840							
44004250	PAVED SHOULDER REMOVAL	SQ YD	3459	3459							
44200132	PAVEMENT PATCHING, TYPE II, 11 INCH	SQ YD	22	22							
48100700	AGGREGATE SHOULDERS, TYPE A 8"	SQ YD	33	33							
48101200	AGGREGATE SHOULDERS, TYPE B	TON	160	160							
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2236	2236							
50105220	PIPE CULVERT REMOVAL	FOOT	87	87							

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**

URBAN TOTAL	ACHSIP 1000-1A		ACHSIP 1000-1A		ACHSIP Y031-1F		ACHSIP Y031-1F	
	ROADWAY	RT TURN LANE	ROADWAY	STP	TRAFFIC SIGNALS	TRAFFIC SIGNALS	EASTPORT	PLAZA DR.
QUANTITIES	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	5% Collinsville 90% FEDERAL 5% STATE	

CODE NO	ITEM	UNIT	URBAN TOTAL	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	5% Collinsville 90% FEDERAL 5% STATE
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	1	1				
54010302	PRECAST CONCRETE BOX CULVERT 3' X 2'	FOOT	5	5				
54205923	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL, EQUIVALENT ROUND-SIZE 48"	FOOT	33	33				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2				
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2				
54215163	STEEL END SECTIONS, EQUIVALENT ROUND-SIZE 48"	EACH	2	2				
54248510	CONCRETE COLLAR	CU YD	0.3	0.3				
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	80	80				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	415	415				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	97	97				
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	28	28				
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	12	12				
60107600	PIPE UNDERDRAINS 4"	FOOT	3205	3205				
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	144	144				
60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	17	17				
60500060	REMOVING INLETS	EACH	3	3				
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 18	FOOT	121	121				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 24	FOOT	180	180				
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6. 12	FOOT	195	195				
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6. 24	FOOT	164	164				
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1211	1211				
60622800	CONCRETE MEDIAN, TYPE SM-6. 12	SQ FT	3168	3168				
60625900	P. C. C. RAMPED MEDIAN TERMINAL	EACH	3	3				
66500105	WOVEN WIRE FENCE, 4'	FOOT	621		621			
66502300	WOVEN WIRE FENCE REMOVAL	FOOT	650		650			
67100100	MOBILIZATION	L SUM	1	1				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1				
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1				
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1				
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ACHSEP	ACM	ACHSEP	ACHSEP				
				1000-1A	1000-1A	Y031-1F	Y031-1F	TRAFFIC SIGNALS	TRAFFIC SIGNALS		
				ROADWAY	ROADWAY						
				HSIP	RT TURN LANE	I-255	PLAZA DR.				
					STP	RAMPS 3 & 4	FOURNIE LN.				
				90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% <sup>Collinsville</sup> FEDERAL 5% STATE				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1							
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	40	20						
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	749	631	118						
70300210	TEMPORARY PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	156	109	47						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	11054	10465	589						
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	311	197	114						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	633	571	62						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	177	159	18						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5002	4586	416						
72000100	SIGN PANEL - TYPE 1	SQ FT	29	8	6		15				
72000200	SIGN PANEL - TYPE 2	SQ FT	49				49				
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	344	200	144						
72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	344	200	144						
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	3692	2448	1244						
73000100	WOOD SIGN SUPPORT	FOOT	54	36	18						
73400100	CONCRETE FOUNDATIONS	CU YD	7.4	4.9	2.5						
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	109	47						
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11054	10465	589						
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	311	197	114						
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	633	571	62						
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	177	159	18						
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	103	87	16						
78200300	PRISMATIC CURB REFLECTOR	EACH	52	52							
80300100	LOCATING UNDERGROUND CABLE	FOOT	80			40	40				
80500100	SERVICE INSTALLATION, TYPE A	EACH	1				1				
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	213			65	148				
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	590				590				
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	109				109				
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	55				55				
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	63			16	47				
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	198				198				

\*SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**

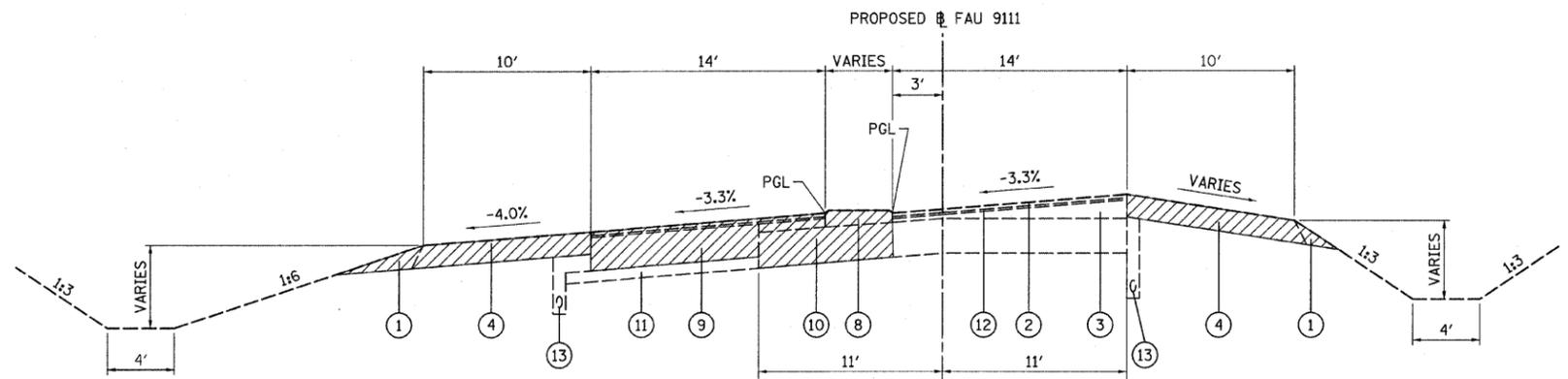
CODE NO	ITEM	UNIT	URBAN TOTAL	ACHSTP	ACM	ACHSTP	ACHSTP				
				1000-1A	1000-1A	Y031-1F	Y031-1F				
			QUANTITIES	ROADWAY	ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNALS				
				90% FEDERAL 10% STATE	RT TURN LANE	I-255	EASTPORT	PLAZA DR.			
			80% FEDERAL 20% STATE	HSIP	STP	RAMPS 3 & 4	FOURNIE LN.				
						90% FEDERAL 10% STATE	57 Collinsville 90% FEDERAL 5% STATE				
81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	56			56					
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	10			2	8				
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1				1				
81603035	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1222			703	519				
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	250				250				
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1480				1480				
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1710			768	942				
81900205	TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	FOOT	24			4	20				
82103900	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	2				2				
83027500	LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 50 FT. M.H., TENON MOUNT - TWIN	EACH	1				1				
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	21			14	7				
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	1				1				
84200700	LIGHTING FOUNDATION REMOVAL	EACH	3			2	1				
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2			2					
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1				1				
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1				1				
87100105	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 4F	FOOT	506			272	234				
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1211				1211				
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1257				1257				
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1991			458	1533				
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1				1				
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1				1				
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1				1				
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1				1				
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3				3				
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	64				64				

\* SPECIALTY ITEMS

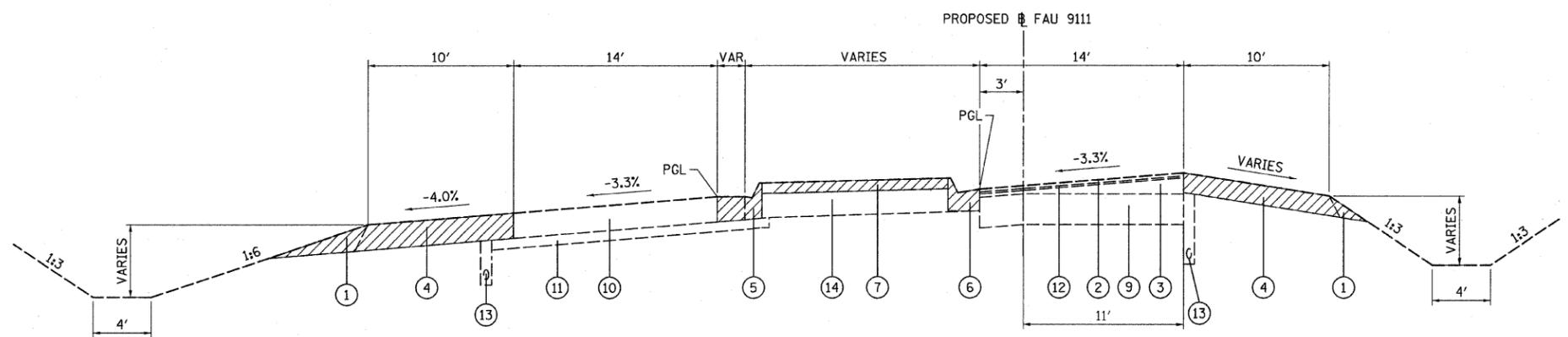
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**

CODE NO	ITEM	UNIT	URBAN TOTAL	ACHSIP	ACM	ACHSIP	ACHSIP				
				1000-1A	1000-1A	Y031-1F	Y031-1F				
			QUANTITIES	ROADWAY	ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNALS				
				RT TURN LANE	I-255		EASTPORT				
				HSIP	STP	RAMPS 3 & 4	FOURNIE LN.				
				90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	St. Collinsville 90% FEDERAL 10% STATE				
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4				4				
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4				4				
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2				2				
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2				2				
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2				2				
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2				2				
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8				8				
88500100	INDUCTIVE LOOP DETECTOR	EACH	15			1	14				
88600100	DETECTOR LOOP, TYPE I	FOOT	2280			427	1853				
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1			1					
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	60			60					
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	660			660					
89502380	REMOVE EXISTING HANDHOLE	EACH	1			1					
X0323221	PLUG AND ABANDON EXISTING PIPE	CU YD	4	4							
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	79	79							
X7800200	PAINT PAVEMENT MARKING CURB	FOOT	132	132							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5						
Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	2771	2271	500						
Z0050900	REMOVE CONCRETE FOUNDATION	EACH	8	6	2						
© Z0076600	TRAINEES	HOUR	500	500							

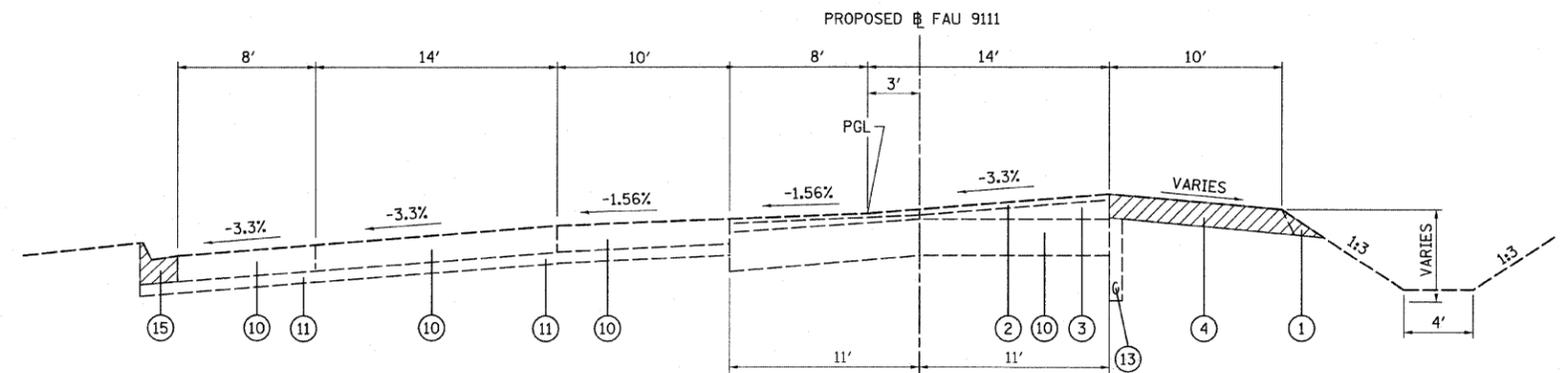
© Y080  
 \* SPECIALTY ITEMS



EXISTING TYPICAL SECTION  
STA. 229+53.12 TO STA. 231+44.26  
(NOT TO SCALE)



EXISTING TYPICAL SECTION  
STA. 225+32 TO STA. 229+53.12  
(NOT TO SCALE)



EXISTING TYPICAL SECTION  
STA. 225+06.5 TO STA. 225+32  
(NOT TO SCALE)

LEGEND

- ① EXISTING AGGREGATE SHOULDER, TYPE B
- ② EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, 1 1/4"
- ③ EXISTING LEVELING BINDER (MACHINE METHOD)
- ④ EXISTING BITUMINOUS SHOULDER 8"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.06
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.18
- ⑦ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑧ EXISTING CONCRETE MEDIAN, TYPE C4 (MODIFIED)
- ⑨ EXISTING PORTLAND CEMENT CONCRETE BASE COURSE 10"
- ⑩ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ⑪ EXISTING STABILIZED SUB-BASE 4"
- ⑫ EXISTING BITUMINOUS CONCRETE BINDER COURSE 3/4"
- ⑬ EXISTING 4" PIPE UNDERDRAINS
- ⑭ EXISTING SAND BACKFILL
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.24
- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- ⑰ EXISTING SUBBASE GRANULAR MATERIAL 5"
- ⑱ EXISTING HOT-MIX ASPHALT BASE COURSE, 8"
- ⑲ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
- ⑳ PROPOSED LEVELING BINDER (MACHINE METHOD), N90, VARIABLE DEPTH (3/4" MIN.)
- ㉑ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- ㉒ PROPOSED HOT-MIX ASPHALT BASE COURSE, 1 1/2"
- ㉓ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ㉔ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- ㉕ PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
- ㉖ PROPOSED CONCRETE MEDIAN, TYPE SM-6.12
- ㉗ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ㉘ PROPOSED 4" PIPE UNDERDRAINS
- ㉙ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ㉚ PROPOSED AGGREGATE SHOULDERS, TYPE A, 8"
- ㉛ PROPOSED LIME MODIFIED SOIL, 12"
- ㉜ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉝ PROPOSED AGGREGATE (PRIME COAT)
- ㉞ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ▨ ITEMS TO BE REMOVED

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PLOT SCALE = 20.0000' / IN.	CHECKED -
PLOT DATE = 3/14/2008	DATE -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

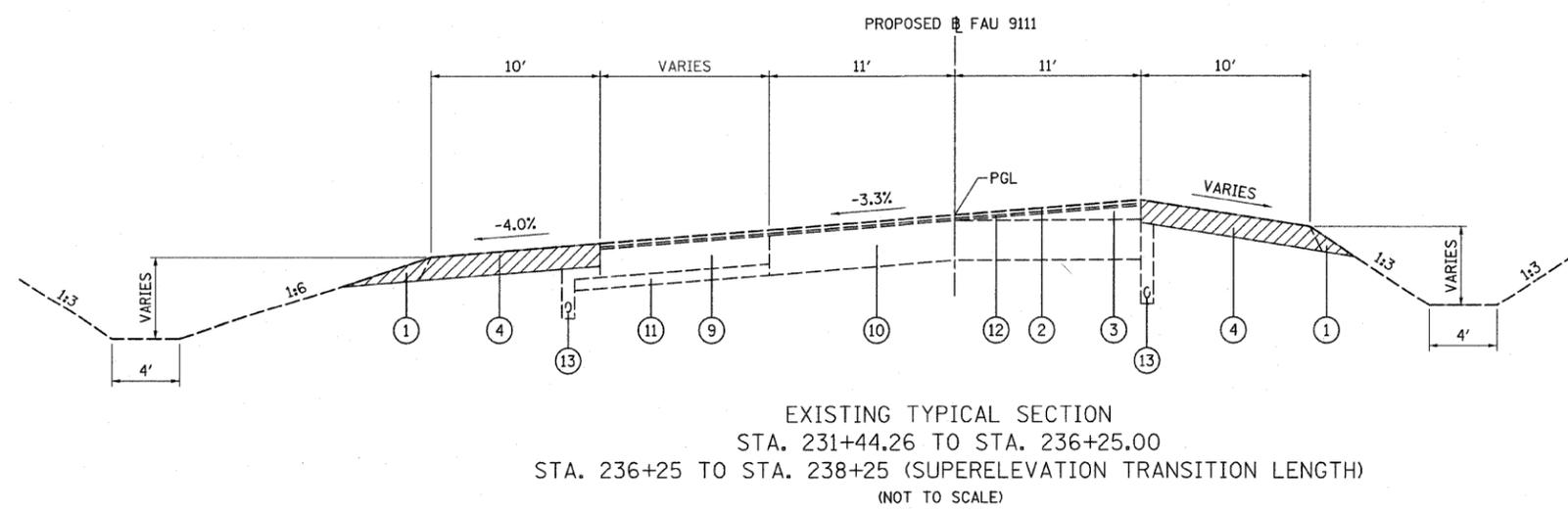
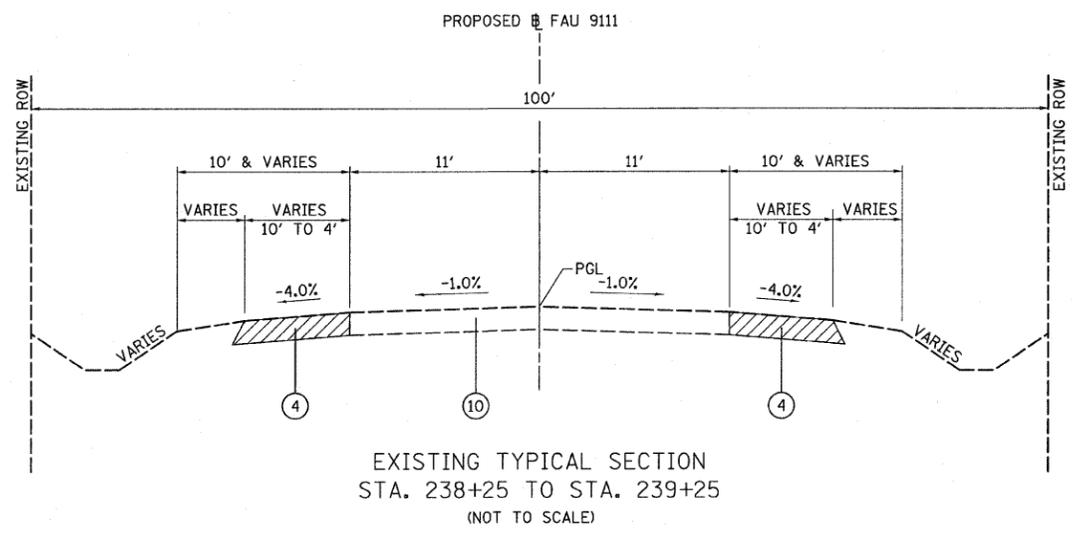
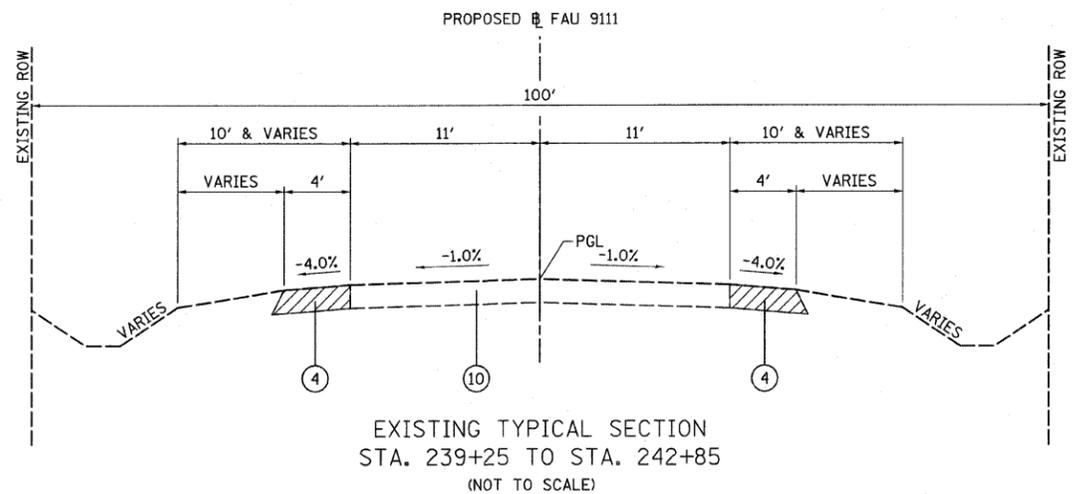
EXISTING TYPICAL SECTIONS

SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

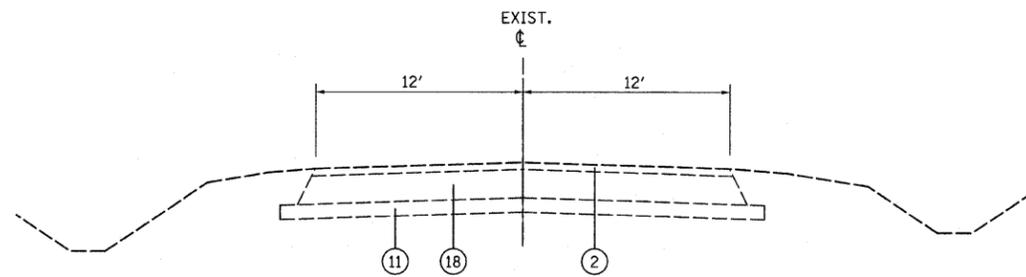
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	4
CONTRACT NO. 76B22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**LEGEND**

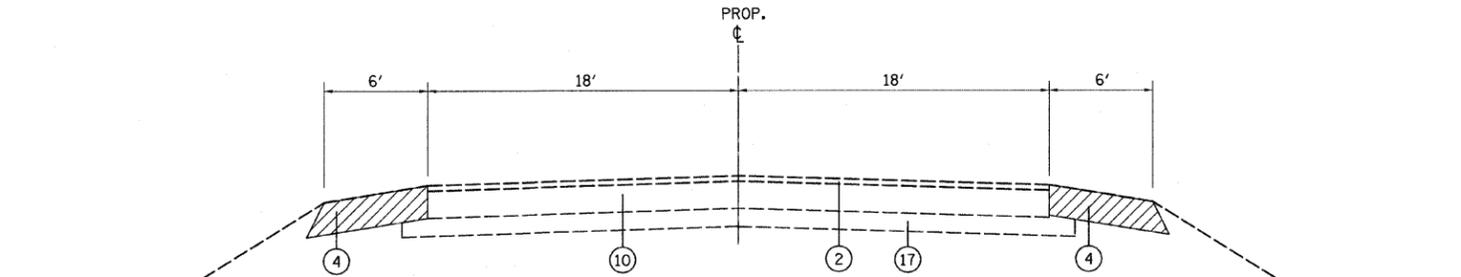
- ① EXISTING AGGREGATE SHOULDER, TYPE B
- ② EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, 1 1/4"
- ③ EXISTING LEVELING BINDER (MACHINE METHOD)
- ④ EXISTING BITUMINOUS SHOULDER 8"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.06
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.18
- ⑦ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑧ EXISTING CONCRETE MEDIAN, TYPE C4 (MODIFIED)
- ⑨ EXISTING PORTLAND CEMENT CONCRETE BASE COURSE 10"
- ⑩ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ⑪ EXISTING STABILIZED SUB-BASE 4"
- ⑫ EXISTING BITUMINOUS CONCRETE BINDER COURSE 3/4"
- ⑬ EXISTING 4" PIPE UNDERDRAINS
- ⑭ EXISTING SAND BACKFILL
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.24
- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- ⑰ EXISTING SUBBASE GRANULAR MATERIAL 5"
- ⑱ EXISTING HOT-MIX ASPHALT BASE COURSE, 8"
- ⑲ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
- ⑳ PROPOSED LEVELING BINDER (MACHINE METHOD), N90, VARIABLE DEPTH (3/4" MIN.)
- ㉑ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- ㉒ PROPOSED HOT-MIX ASPHALT BASE COURSE, 1 1/2"
- ㉓ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ㉔ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- ㉕ PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
- ㉖ PROPOSED CONCRETE MEDIAN, TYPE SM-6.12
- ㉗ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ㉘ PROPOSED 4" PIPE UNDERDRAINS
- ㉙ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ㉚ PROPOSED AGGREGATE SHOULDERS, TYPE A, 8"
- ㉛ PROPOSED LIME MODIFIED SOIL, 12"
- ㉜ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉝ PROPOSED AGGREGATE (PRIME COAT)
- ㉞ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ▨ ITEMS TO BE REMOVED



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PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -	SCALE: NONE					SHEET NO. 2 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 76B22		
PLOT DATE = 3/14/2008	DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



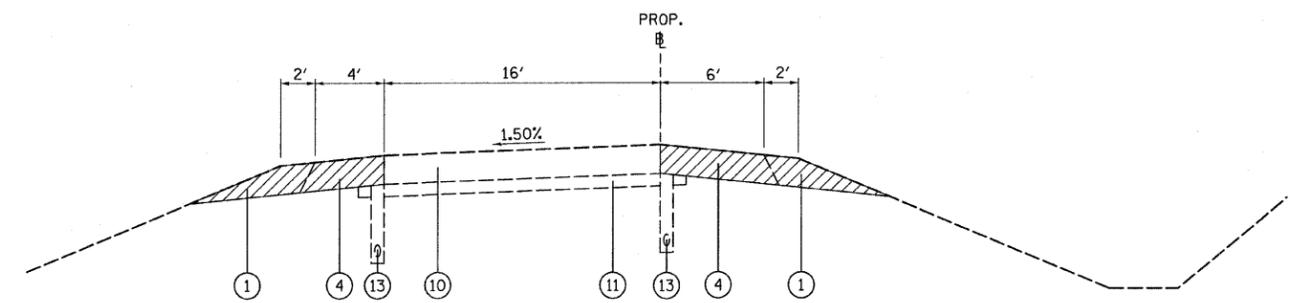
EXISTING TYPICAL SECTION  
 LT. FOURNIE LANE STA. 10+53.63 TO STA. 11+03.33  
 RT. FOURNIE LANE STA. 10+22.50 TO STA. 11+03.33  
 (NOT TO SCALE)



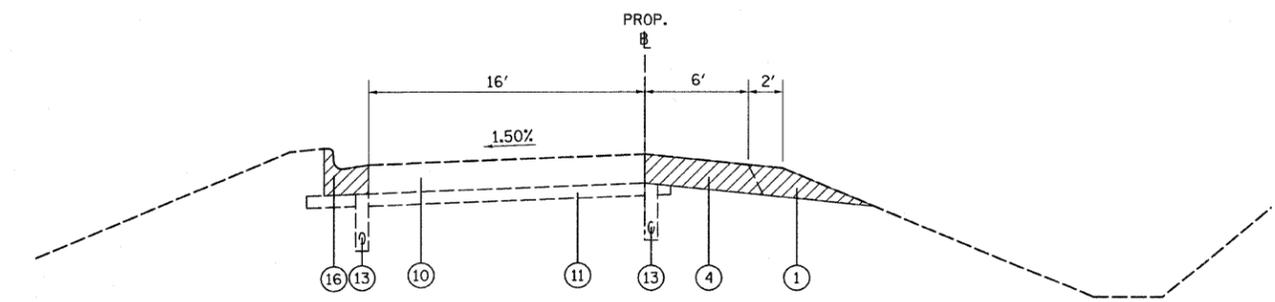
EXISTING TYPICAL SECTION  
 RT. EASTPORT PLAZA DRIVE STA. 47+85.77 TO STA. 49+03.93  
 LT. EASTPORT PLAZA DRIVE STA. 47+95.08 TO STA. 49+03.93  
 (NOT TO SCALE)

LEGEND

- ① EXISTING AGGREGATE SHOULDER, TYPE B
- ② EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, 1 1/4"
- ③ EXISTING LEVELING BINDER (MACHINE METHOD)
- ④ EXISTING BITUMINOUS SHOULDER 8"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.06
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.18
- ⑦ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑧ EXISTING CONCRETE MEDIAN, TYPE C4 (MODIFIED)
- ⑨ EXISTING PORTLAND CEMENT CONCRETE BASE COURSE 10"
- ⑩ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ⑪ EXISTING STABILIZED SUB-BASE 4"
- ⑫ EXISTING BITUMINOUS CONCRETE BINDER COURSE 3/4"
- ⑬ EXISTING 4" PIPE UNDERDRAINS
- ⑭ EXISTING SAND BACKFILL
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.24
- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- ⑰ EXISTING SUBBASE GRANULAR MATERIAL 5"
- ⑱ EXISTING HOT-MIX ASPHALT BASE COURSE, 8"
- ⑲ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
- ⑳ PROPOSED LEVELING BINDER (MACHINE METHOD), N90, VARIABLE DEPTH (3/4" MIN.)
- ㉑ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- ㉒ PROPOSED HOT-MIX ASPHALT BASE COURSE, 1 1/2"
- ㉓ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ㉔ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- ㉕ PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
- ㉖ PROPOSED CONCRETE MEDIAN, TYPE SM-6.12
- ㉗ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ㉘ PROPOSED 4" PIPE UNDERDRAINS
- ㉙ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ㉚ PROPOSED AGGREGATE SHOULDERS, TYPE A, 8"
- ㉛ PROPOSED LIME MODIFIED SOIL, 12"
- ㉜ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉝ PROPOSED AGGREGATE (PRIME COAT)
- ㉞ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ▨ ITEMS TO BE REMOVED



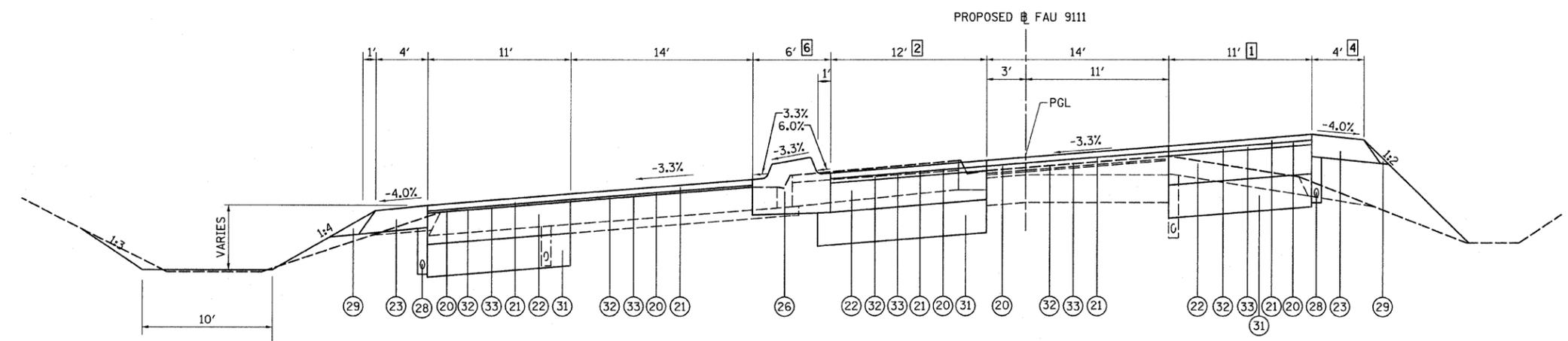
EXISTING TYPICAL SECTION  
 RAMP 4 - LT. STA. 0+78.19 TO STA. 1+77.86  
 RAMP 4 - RT. STA. 1+20.20 TO STA. 1+77.86  
 (NOT TO SCALE)



EXISTING TYPICAL SECTION  
 RAMP 4 - LT. STA. 0+39.91 TO STA. 0+78.19  
 RAMP 4 - RT. STA. 0+48+51 TO STA. 1+20.20  
 (NOT TO SCALE)

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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 3 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 76B22				
	PLOT DATE = 3/14/2008	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

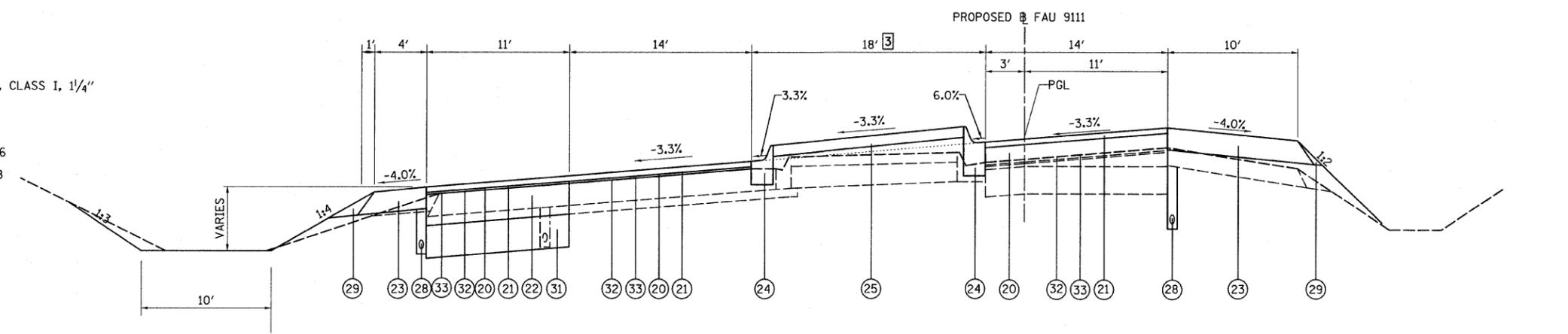
- 1 VARIES 0' TO 11'  
FROM STA. 225+85.77 TO STA. 226+35.77
- 2 VARIES 0' TO 12'  
FROM STA. 225+85.77 TO STA. 226+35.77
- 3 VARIES 18' TO 6'  
FROM STA. 225+85.77 TO STA. 226+35.77
- 4 VARIES 10' TO 4'  
FROM STA. 225+85.77 TO STA. 226+12.95
- 5 10' FROM STA. 237+25 TO STA. 238+33.99  
VARIES 10' - 4' FROM STA. 238+33.99 TO STA. 239+59.32  
4' FROM STA. 239+59.32 TO STA. 242+85
- 6 VARIES 6' TO 0'  
FROM STA. 229+51.94 TO STA. 231+73.01
- 7 VARIES 59.48" TO 0'  
FROM STA. 10+22.50 TO STA. 10+86.70



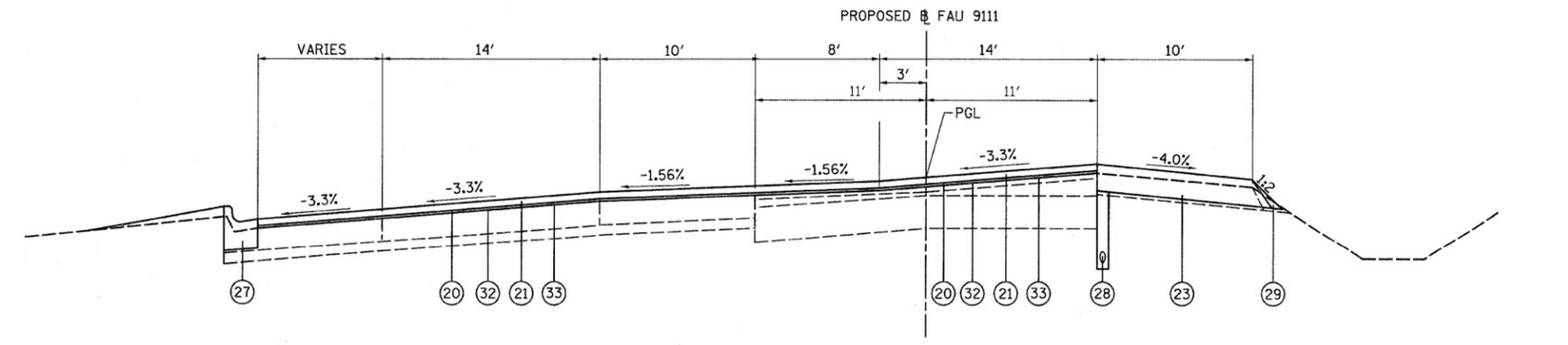
PROPOSED TYPICAL SECTION  
STA. 226+35.77 TO STA. 229+53.12  
(NOT TO SCALE)

**LEGEND**

- 1 EXISTING AGGREGATE SHOULDER, TYPE B
- 2 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, 1 1/4"
- 3 EXISTING LEVELING BINDER (MACHINE METHOD)
- 4 EXISTING BITUMINOUS SHOULDER 8"
- 5 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.06
- 6 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.18
- 7 EXISTING CONCRETE MEDIAN SURFACE, 4"
- 8 EXISTING CONCRETE MEDIAN, TYPE C4 (MODIFIED)
- 9 EXISTING PORTLAND CEMENT CONCRETE BASE COURSE 10"
- 10 EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- 11 EXISTING STABILIZED SUB-BASE 4"
- 12 EXISTING BITUMINOUS CONCRETE BINDER COURSE 3/4"
- 13 EXISTING 4" PIPE UNDERDRAINS
- 14 EXISTING SAND BACKFILL
- 15 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.24
- 16 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- 17 EXISTING SUBBASE GRANULAR MATERIAL 5"
- 18 EXISTING HOT-MIX ASPHALT BASE COURSE, 8"
- 19 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
- 20 PROPOSED LEVELING BINDER (MACHINE METHOD), N90, VARIABLE DEPTH (3/4" MIN.)
- 21 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- 22 PROPOSED HOT-MIX ASPHALT BASE COURSE, 11 1/2"
- 23 PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- 24 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- 25 PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
- 26 PROPOSED CONCRETE MEDIAN, TYPE SM-6.12
- 27 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 28 PROPOSED 4" PIPE UNDERDRAINS
- 29 PROPOSED AGGREGATE SHOULDERS, TYPE B
- 30 PROPOSED AGGREGATE SHOULDERS, TYPE A, 8"
- 31 PROPOSED LIME MODIFIED SOIL, 12"
- 32 PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- 33 PROPOSED AGGREGATE (PRIME COAT)
- 34 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ▨ ITEMS TO BE REMOVED



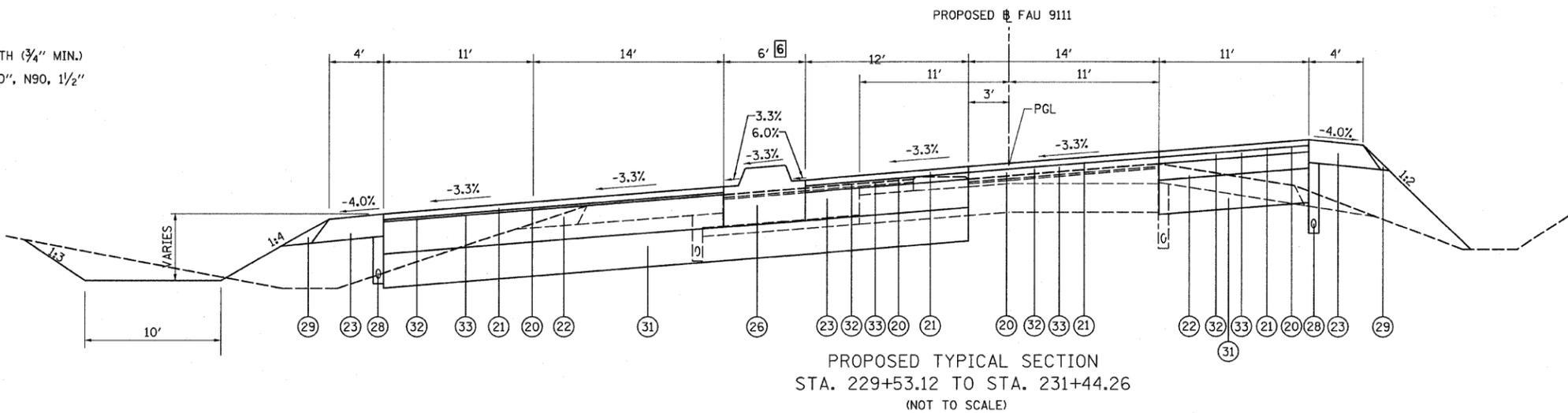
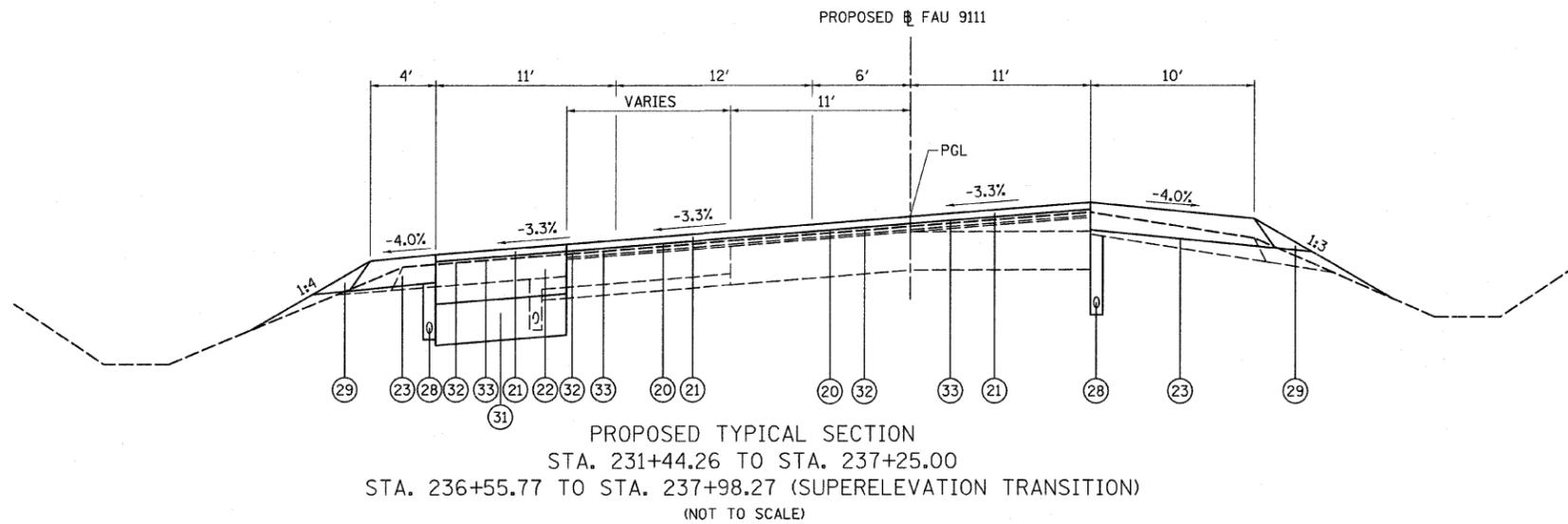
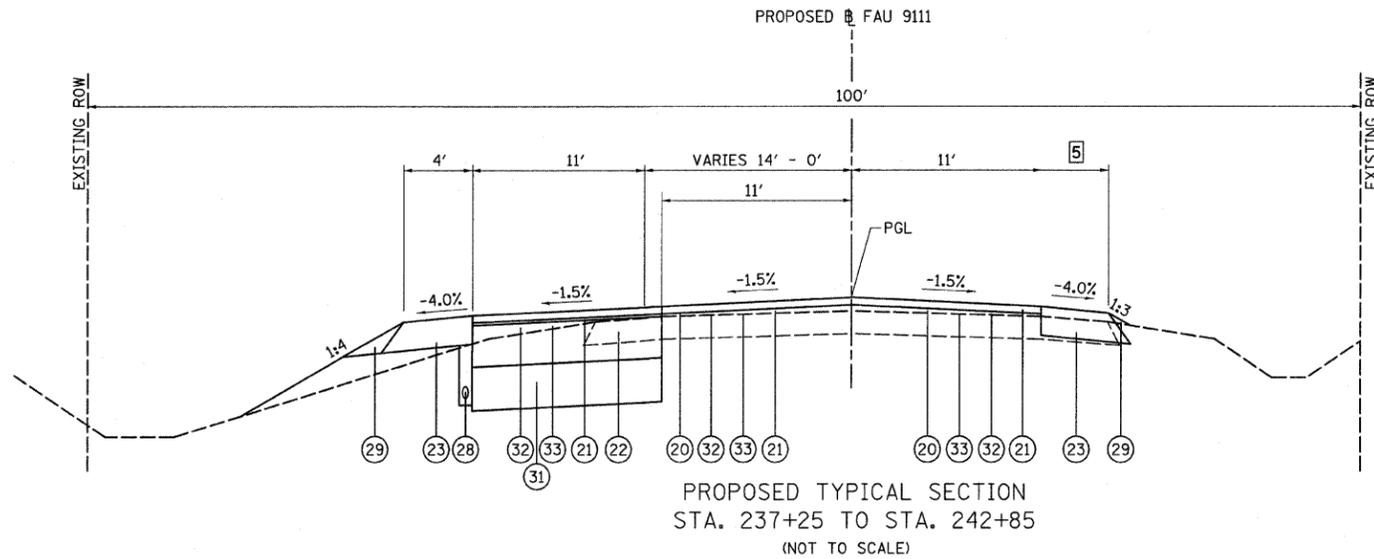
PROPOSED TYPICAL SECTION  
STA. 225+32 TO STA. 226+35.77  
(NOT TO SCALE)



PROPOSED TYPICAL SECTION  
STA. 225+06.5 TO STA. 225+32  
(NOT TO SCALE)

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PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -	REVISED -			SCALE: NONE SHEET NO. 4 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 76B22				
PLOT DATE = 3/14/2008	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

- 1 VARIES 0' TO 11'  
FROM STA. 225+85.77 TO STA. 226+35.77
- 2 VARIES 0' TO 12'  
FROM STA. 225+85.77 TO STA. 226+35.77
- 3 VARIES 18' TO 6'  
FROM STA. 225+85.77 TO STA. 226+35.77
- 4 VARIES 10' TO 4'  
FROM STA. 225+85.77 TO STA. 226+12.95
- 5 10' FROM STA. 237+25 TO STA. 238+33.99  
VARIES 10' - 4' FROM STA. 238+33.99 TO STA. 239+59.32  
4' FROM STA. 239+59.32 TO STA. 242+85
- 6 VARIES 6' TO 0'  
FROM STA. 229+51.94 TO STA. 231+73.01
- 7 VARIES 59.48" TO 0"  
FROM STA. 10+22.50 TO STA. 10+86.70



**LEGEND**

- 1 EXISTING AGGREGATE SHOULDER, TYPE B
- 2 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, 1 1/4"
- 3 EXISTING LEVELING BINDER (MACHINE METHOD)
- 4 EXISTING BITUMINOUS SHOULDER 8"
- 5 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.06
- 6 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.18
- 7 EXISTING CONCRETE MEDIAN SURFACE, 4"
- 8 EXISTING CONCRETE MEDIAN, TYPE C4 (MODIFIED)
- 9 EXISTING PORTLAND CEMENT CONCRETE BASE COURSE 10"
- 10 EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- 11 EXISTING STABILIZED SUB-BASE 4"
- 12 EXISTING BITUMINOUS CONCRETE BINDER COURSE 3/4"
- 13 EXISTING 4" PIPE UNDERDRAINS
- 14 EXISTING SAND BACKFILL
- 15 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M6.24
- 16 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- 17 EXISTING SUBBASE GRANULAR MATERIAL 5"
- 18 EXISTING HOT-MIX ASPHALT BASE COURSE, 8"
- 19 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
- 20 PROPOSED LEVELING BINDER (MACHINE METHOD), N90, VARIABLE DEPTH (3/4" MIN.)
- 21 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- 22 PROPOSED HOT-MIX ASPHALT BASE COURSE, 1 1/2"
- 23 PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- 24 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- 25 PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
- 26 PROPOSED CONCRETE MEDIAN, TYPE SM-6.12
- 27 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 28 PROPOSED 4" PIPE UNDERDRAINS
- 29 PROPOSED AGGREGATE SHOULDERS, TYPE B
- 30 PROPOSED AGGREGATE SHOULDERS, TYPE A, 8"
- 31 PROPOSED LIME MODIFIED SOIL, 12"
- 32 PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- 33 PROPOSED AGGREGATE (PRIME COAT)
- 34 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ITEMS TO BE REMOVED

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
H:\P\25004\Technical Production\Civil\W07\Microstation\typical\02.dgn		DRAWN -	REVISED -			9111	73-15TS	MADISON	64	8	
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76B22					
PLOT DATE = 3/14/2008		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: NONE		SHEET NO. 5 OF 6 SHEETS		STA. TO STA.		



**PAVEMENT SCHEDULE**

STATION	STATION	PROCESS MOD SOIL 12' (SQ YD)	LIME (NOTE 1) (TON)	HMA BASE CSE 11 1/2 (SQ YD)	LEV BIND MM N90 (TON)	HMA SURF REM BUTT JT (SQ YD)	PCC SURF REM BUTT JT (SQ YD)	TEMPORARY RAMPS (SQ YD)	P HMA SC "D" N90 (TON)	BIT MATLS PR CT (NOTE 2) (GAL)	AGG PR CT (NOTE 3) (TON)	PAVT PATCH T2 11 (SQ YD)	AGGREGATE SHLDS A 8 (SQ YD)	AGGREGATE SHLDS B (TON)	HMA SHOULDERS 8" (SQ YD)	
<b>WB LANES</b>																
225+06.50	225+85.77				19				10	9	0.2					
225+85.77	226+35.77	36	0.7	23	12				12	11	0.2					
226+12.06	231+72.32														249	
226+35.00	226+45.00											11				
226+35.77	229+53.12	734	14.1	558	43				74	66	1.3			17.8		
228+35.00	228+45.00															
229+53.12	231+44.26	602	11.6	496	59				44	40	0.8			10.6		
231+44.26	233+26.96	568	10.9	471	189				85	76	1.5			10.2		
233+18.99	242+85														429	
233+26.96	237+25.00	884	17.0	663	149				105	94	1.9			22.1		
237+25.00	242+85.00	747	14.4	436	57	37			94	84	1.7			31.1		
<b>EB LANES</b>																
225+06.50	225+85.77				42				8	7	0.1			1.4	88	
225+85.77	226+12.95													0.5	21	
226+12.95	226+35.77	17	0.3	14	57				8	7	0.1			0.4	10	
226+35.77	229+53.12	418	8.0	383	421				65	58	1.2			5.4		
229+53.12	231+44.26	250	4.8	229	102				39	35	0.7			3.3		
228+35.77	231+65.73														236	
231+44.26	233+26.96	272	5.2	243	73				94	84	1.7			4.9		
233+31.21	233+83.59														41	
233+26.96	237+25.00	23	0.4	17	41				42	38	0.8			19.2		
237+25.00	242+85.00				36	37		37	57	51	1.0			27.0		
233+83.59	242+85.00														1002	
<b>MEDIAN</b>																
225+06.50	225+85.77	9	0.2	6					9	8	0.2					
225+38.66	226+35.77															
226+35.77	229+53.12	40	0.8	26					4	4	0.1					
228+35.77	229+53.12	257	4.9	169					44	40	0.8					
229+53.12	231+44.26	152	2.9	99					27	24	0.5					
231+44.26	233+26.96								4	4	0.1					
<b>EASTPORT PLAZA DRIVE</b>																
48+73.93	49+03.93					122		122							0.6	83
<b>RAMP 4</b>																
LT 0+37.75	LT 1+77.86	62	1.2	46	14		53	53	30	26	0.5		22			44
RT 0+37.75	RT 0+48.51	60	1.2	44	10				21	19	0.4		11			33
<b>TOTAL</b>		<b>5131</b>	<b>99</b>	<b>3923</b>	<b>1324</b>	<b>196</b>	<b>53</b>	<b>249</b>	<b>876</b>	<b>785</b>	<b>16</b>	<b>22</b>	<b>33</b>	<b>160</b>	<b>2236</b>	

NOTES: 1. LIME QUANTITY IS CALCULATED USING AN ASSUMED APPLICATION RATE OF 38.5 LB/SQ YD. THE ACTUAL APPLICATION RATE WILL BE DETERMINED BASED ON SOIL TESTS PROVIDED DURING CONSTRUCTION.  
 2. BITUMINOUS MATERIALS PRIME COAT IS CALCULATED AT AN APPLICATION RATE OF 0.075 GAL/SQ YD.  
 3. AGGREGATE PRIME COAT IS CALCULATED AT AN APPLICATION RATE OF 3 LB/SQ YD.

**REMOVAL SCHEDULE**

STATION	STATION	PAVEMENT REM (SQ YD)	COMB CURB GUTTER REM (FOOT)	MEDIAN REMOVAL (SQ FT)	PAVED SHLD REMOVAL (SQ YD)	PIPE CULVERT REMOV (FOOT)	REMOV CONC FOUND (EACH)	PIPE UNDERDRAIN REMOV (FOOT)
<b>RAMP 4</b>								
LT 0+39.65	LT 0+91.72		61					
LT 0+91.72	LT 1+77.86				36			
RT 0+49.84	RT 1+77.86				103			
<b>FAU RTE. 9111 (HORSESHOE LAKE ROAD)</b>								
RT 225+06.5	RT 228+00							292
LT 1+55 (RAMP 4)	LT 228+00							331
RT 225+06.50	RT 231+83				757			
LT 226+02	LT 231+71				703			
64.0' LT 226+20							2	
LT 228+00	LT 233+00							500
RT 228+00	RT 233+00							500
LT 225+33	LT 229+52			4591				
LT 228+68	LT 231+44			1249				
LT 227+00	LT 231+74	393						
50.2' LT 229+26.36							1	
LT 231+71	LT 242+85				882			
LT 232+55	LT 238+25							587
38.93' LT 235+16.25							2	
37.05' RT 230+60.94							2	
32.43' RT 231+99.66							1	
RT 232+70	RT 238+25							561
RT 233+18	RT 242+85				766			
<b>EASTPORT PLAZA DRIVE</b>								
RT 47+75	RT 49+04				110			
LT 47+87	LT 49+04				102			
<b>FOURNIE LANE</b>								
RT 10+45	LT 10+58						87	
<b>TOTAL</b>		<b>393</b>	<b>61</b>	<b>5840</b>	<b>3459</b>	<b>87</b>	<b>8</b>	<b>2771</b>

**CURB & GUTTER SCHEDULE**

STATION	STATION	COMB CC&G TB8.18 (FOOT)	COMB CC&G TB6.24 (FOOT)	COMB CC&G TM6.12 (FOOT)	COMB CC&G TM6.24 (FOOT)	PCC RAMP MED TERM (EACH)	CONC MEDIAN SURF 4 (SQ FT)	CON MED TSM6.12 (SQ FT)
<b>RAMP 4</b>								
LT 0+37.75	LT 0+45.79					1	257	
LT 0+45.79	LT 0+90.65				54			
RT 0+48.51	RT 1+29.07				110			
<b>HORSESHOE LAKE ROAD</b>								
LT 225+38.66	LT 226+35.77			195		1	954	
LT 226+35.77	LT 231+66.99					1		3168
<b>EASTPORT PLAZA DRIVE</b>								
RT 47+83.50	RT 48+63.57		106					
LT 47+94.41	LT 48+32.27		74					
<b>FOURNIE LANE</b>								
LT 10+54.20	RT 10+73.64	49						
RT 10+22.80	RT 10+73.64	72						
<b>TOTAL</b>		<b>121</b>	<b>180</b>	<b>195</b>	<b>164</b>	<b>3</b>	<b>1211</b>	<b>3168</b>

**SEEDING SCHEDULE**

STATION	STATION	SEEDING CL 2A SPL (ACRE)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	MULCH METHOD 2 (ACRE)
<b>HORSESHOE LAKE ROAD</b>						
LT 225+06.5	LT 232+21	0.6	54	54	54	0.6
LT 232+45	LT 242+85	0.2	18	18	18	0.2
RT 225+06.5	RT 232+35	0.2	18	18	18	0.2
RT 232+80	RT 242+85	0.2	18	18	18	0.2
<b>TOTAL</b>		<b>1.2</b>	<b>108</b>	<b>108</b>	<b>108</b>	<b>1.2</b>

**WOVEN WIRE FENCE SCHEDULE**

STATION	STATION	WOV W FENCE 4 (FOOT)	WOV W FENCE REMOV (FOOT)
<b>HORSESHOE LAKE ROAD</b>			
LT 1+32 (RAMP 4)	LT 231+92		650
LT 225+82	LT 232+17	621	
<b>TOTAL</b>		<b>621</b>	<b>650</b>

**EARTHWORK SCHEDULE**

STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (NOTE 1) (CU YD)	EMBANKMENT (NOTE 2) (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (NOTE 3) (CU YD)
<b>HORSESHOE LAKE ROAD</b>					
225+08	242+85	1188	891	1145	-254
<b>EASTPORT PLAZA DRIVE</b>					
47+83	49+03			316	-316
<b>FOURNIE LANE</b>					
10+54	10+74	2		18	-18
<b>TOTAL</b>		<b>1190</b>	<b>891</b>	<b>1479</b>	<b>588</b>

EARTHWORK NOTES:  
 1. ESTIMATED SHRINKAGE FACTOR = 25%.  
 2. APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.  
 3. APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

**PROPOSED SIGNING**

PROP. STA	RT/LT	LOCATION		DESCRIPTION	SIGN PANEL (SQ FT)	POST LENGTH (STD 729001)				POST			
		OFFSET EOP TO EDGE OF SIGN	OFFSET CL TO CENTER OF SIGN SEE NOTE			TYPE	LEGEND	HIDE COL. SIZE (SQ FT)	DEPTH (HIDDEN)				NO. OF POSTS
									TYPE 1	SIGN	CLEAR	DROP	
228+25	RT	18'		R3-1100-24	4.0	4.0	2	7	8	5	22	1	
228+25	LT		18'	R3-1100-24	4.0	4.0	2.0	7	0	5	14	1	
230+50	LT	18'		R3-7R-30	6.3	6.3	2.5	7	3	5	18	1	
<b>TOTAL</b>							14.3				54		

NOTE: FOR SIGNS IN THE MEDIAN THE DISTANCE IS FROM CENTERLINE TO POST

**PAVEMENT MARKING SCHEDULE**

STATION	STATION	DESCRIPTION	SHORT-TERM PAVT MKNG (FOOT)	TEMP PVT MK LN 4" (FOOT)	TEMP PVT MK LN 8" (FOOT)	TEMP PVT MK LN 12" (FOOT)	TEMP PVT MK LN 24" (FOOT)	TEMP PAVT MK L&S (SQ FT)	WORK ZONE PAVT MK REM (SQ FT)	THPL PVT MK LTR & SYM (SQ FT)	THPL PVT MK LN 4" (FOOT)	THPL PVT MK LN 8" (FOOT)	THPL PVT MK LN 12" (FOOT)	THPL PVT MK LN 24 (FOOT)	RAISED REFL PAVT MKR (NOTE 2) (EACH)	PRISMATIC CURB REFL (EACH)	PT PVT MK- RAISED MED (SQ FT)	PAINT PVT MARK CURB (FOOT)
<b>RAMP 4</b>																		
LT 0+40	LT 0+46	Med Ramp Nose															27	35
LT 0+46	LT 0+78	CC&G																
LT 0+40	LT 1+78	LT EOP		144					48		144							
RT 0+49	RT 1+78	RT EOP		162					53		162							
RT 0+51	RT 0+63	Stop Bar					18		36					18				
<b>FAU RTE. 9111 (HORSESHOE LAKE ROAD)</b>																		
LT 225+48	LT 225+81	Island			114	62			138				114	62				
LT 225+32	LT 225+38	Med Ramp Nose															28	
LT 225+38	LT 225+86	EB Med Curb														3		49
LT 225+38	LT 231+67	WB CC&G		629					208		629					17		
LT 230+95	LT 231+67	WB Med Curb															24	48
LT 231+67	LT 231+73	Med Ramp Nose																
LT 228+12	LT 231+72	WB EOP		580					185		580							
LT 225+82	LT 231+72	WB Ln Line	118	589					194		589				16			
LT 225+57	LT 225+57	WB Stop Bar					14		28									
LT 228+55	LT 228+63	WB Arrows						15.6	16	15.6								
LT 228+85	LT 228+93	WB Arrow						15.6	16	15.6								
LT 225+38	LT 231+67	EB CC&G		629					208		629					32		
LT 225+86	LT 228+26	EB Lt. Turn Ln		62					20		62							
LT 228+26	LT 232+11	EB Lt. Turn Ln	77	385					127		385			11				
LT 228+97	LT 228+05	EB Arrow						15.6	16	15.6								
LT 231+12	LT 231+20	EB Arrow						15.6	16	15.6								
LT 231+15	LT 231+23	WB Arrow						15.6	16	15.6								
RT 231+67	RT 231+67	EB Stop Bar					12		24								12	
RT 225+07	RT 231+66	EB EOP		659					217		659							
RT 225+86	RT 228+25	EB Rt. Turn Ln		62					20		62							
RT 228+25	RT 231+98	EB Rt. Turn Ln	75	373					123		373			10				
RT 232+11	LT 232+11	EB Stop Bar					14		28								14	
RT 228+97	RT 228+05	EB Arrow						15.6	16	15.6								
RT 231+12	RT 231+20	EB Arrows						15.6	16	15.6								
RT 231+98	RT 232+28	Island			109	39			112				109	39				
<b>FOURNIE LANE</b>																		
LT 10+54	LT 10+73	LT EOP		52					17		52							
LT 10+65	LT 10+72	Stop Bar					24		48									24
RT 10+22	RT 10+73	RT EOP		99					33		99							
<b>EASTPORT PLAZA DRIVE</b>																		
RT 47+83	RT 48+64	RT EOP		110					36		110							
RT 47+90	RT 48+02	Stop Bar							36									
RT 48+18	RT 48+65	Dbl Ln Line	5	48				18	36									18
RT 48+50	LT 48+58	Lt Turn Arrow							16									
RT 48+64	LT 48+81	Bike Path				243		15.6	16	15.6								243
LT 47+93	LT 47+93	Stop Bar							24									12
LT 47+93	LT 48+66	Lane Line	15	73					24		73							
LT 47+92	LT 48+67	LT EOP		166					55		166							
LT 47+93	LT 48+07	Stop Bar							18									18
LT 48+18	LT 48+18	Stop Bar							12									12
RT 48+78	RT 49+04	RT EOP		26					9		26							
RT 48+79	RT 49+04	Dbl Ln Line	3	25					8		25							3
LT 48+80	LT 49+04	Lane Line	5	24					8		24							
LT 48+81	LT 49+04	LT EOP		24					8		24							
<b>FAU RTE. 9111 (HORSESHOE LAKE ROAD)</b>																		
RT 232+64	RT 232+91	Island			88	34			93				88	34				
RT 233+84	RT 242+85	RT EOP		901					297		901							
LT 232+95	LT 242+85	Median	396	3960		255			1562		3960		255					52
LT 233+04	LT 233+04	Stop Bar							24									12
LT 232+71	LT 232+78	WB Stop Bar					23		46									23
LT 232+71	LT 235+45	WB Ln Line	55	274					90		274							8
LT 233+50	LT 233+58	WB Arrows						15.6	16	15.6								
LT 234+90	LT 234+98	WB Arrow						15.6	16	15.6								
LT 235+45	LT 237+25	WB Ln Line		47					16		47							
LT 233+14	LT 242+85	LT EOP		971					320		971							
<b>TOTAL</b>			<b>748</b>	<b>11054</b>	<b>311</b>	<b>633</b>	<b>177</b>	<b>156</b>	<b>5002</b>	<b>156</b>	<b>11054</b>	<b>311</b>	<b>633</b>	<b>177</b>	<b>103</b>	<b>52</b>	<b>79</b>	<b>132</b>

**PAVEMENT MARKING NOTES:**

- RAISED REFLECTIVE PAVEMENT MARKER QUANTITY INCLUDES THE FOLLOWING TYPES:
 

64 EACH	EACH	ONE-WAY AMBER MARKERS
45 EACH	EACH	ONE-WAY CRYSTAL MARKERS
EACH	EACH	TWO-WAY AMBER MARKERS
109 EACH	EACH	TOTAL

**EROSION CONTROL SCHEDULE**

STATION	STATION	EROSION CONTROL BLANKET (SQ YD)	TEMP EROS CONTR SEED (POUND)	TEMPORARY DITCH CHECKS (EACH)	PERIMETER EROS BAR (FOOT)	INLET & PIPE PROTECTION (EACH)
<b>RAMP 4</b>						
RT 1+56						1
LT 0+73	LT 1+78				105	
<b>HORSESHOE LAKE ROAD</b>						
LT 226+40						1
LT 226+50				1		
RT 226+50						
LT 226+65						1
LT 226+90						1
LT 227+15						1
LT 227+40						1
LT 227+65						1
LT 227+90						1
LT 228+15						1
LT 228+40						1
LT 228+65						1
LT 228+90						1
LT 229+15						1
LT 229+40						1
LT 229+65						1
LT 229+90						1
LT 230+00						1
LT 230+80						1
LT 231+50				1		
LT 232+92						1
RT 233+02						1
LT 233+50				1		
RT 238+00				1		
RT 239+66						1
LT 239+66						1
RT 1+78 (RAMP 4)	LT 232+17				741	
RT 225+06.5	LT 232+45					
RT 225+06.5	RT 232+12	1566	60			
RT 225+06.5	RT 232+80		20			
RT 225+38	RT 231+87				657	
LT 232+45	LT 242+85		20			
LT 232+71	LT 242+80				1031	
RT 232+80	RT 242+85		20			
RT 233+01	RT 242+90				993	
<b>EASTPORT PLAZA DRIVE</b>						
RT 48+03	RT 48+63					68
LT 48+04	LT 48+67					65
RT 48+81	RT 49+09					28
LT 48+85	LT 49+07					22
<b>TOTALS</b>		<b>1566</b>	<b>120</b>	<b>5</b>	<b>3710</b>	<b>22</b>

**PIPE UNDERDRAIN SCHEDULE**

STATION	STATION	CONC HDWL FOR P DRAIN (EACH)	PIPE UNDERDRAINS 4 (FOOT)	PIPE UNDERDRAINS 4 SP (FOOT)
<b>FAU RTE. 9111 (HORSESHOE LAKE ROAD)</b>				
LT 226+14	LT 228+90	1	276	20
LT 228+90	LT 231+70	1	280	20
LT 233+20	LT 236+57	1	336	11
LT 236+60	LT 239+60	1	300	9
LT 239+72	LT 242+85	1	313	9
RT 225+06.5	RT 228+38	1	333	10
RT 228+42	RT 231+64	1	322	14
RT 233+32	RT 236+60	1	333	23
RT 236+64	RT 239+60	1	296	4
RT 239+72	RT 242+85	1	313	4
<b>Ramp 4</b>				
LT 0+92	LT 1+54		62	
LT 1+54	LT 1+78	1	23	10
RT 1+60	RT 1+78	1	18	10

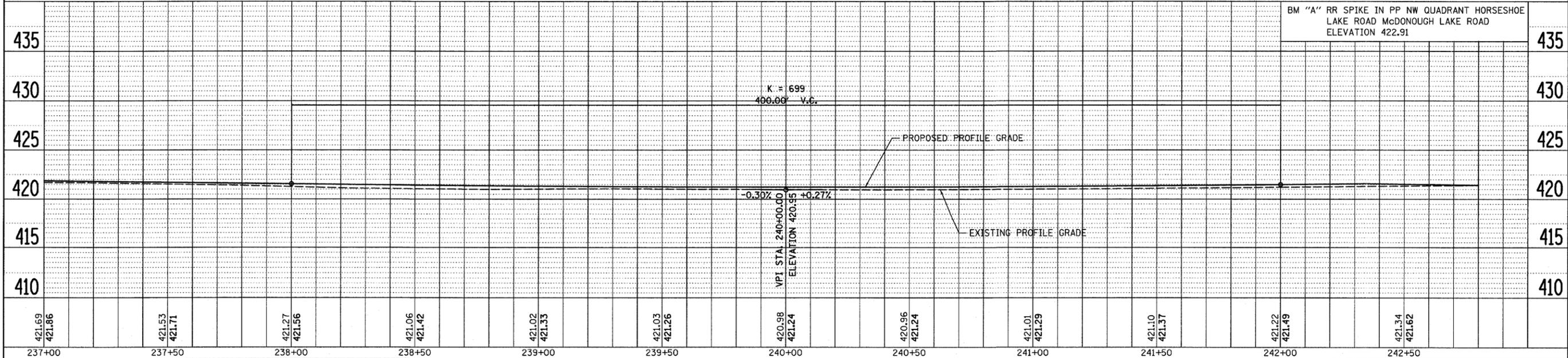
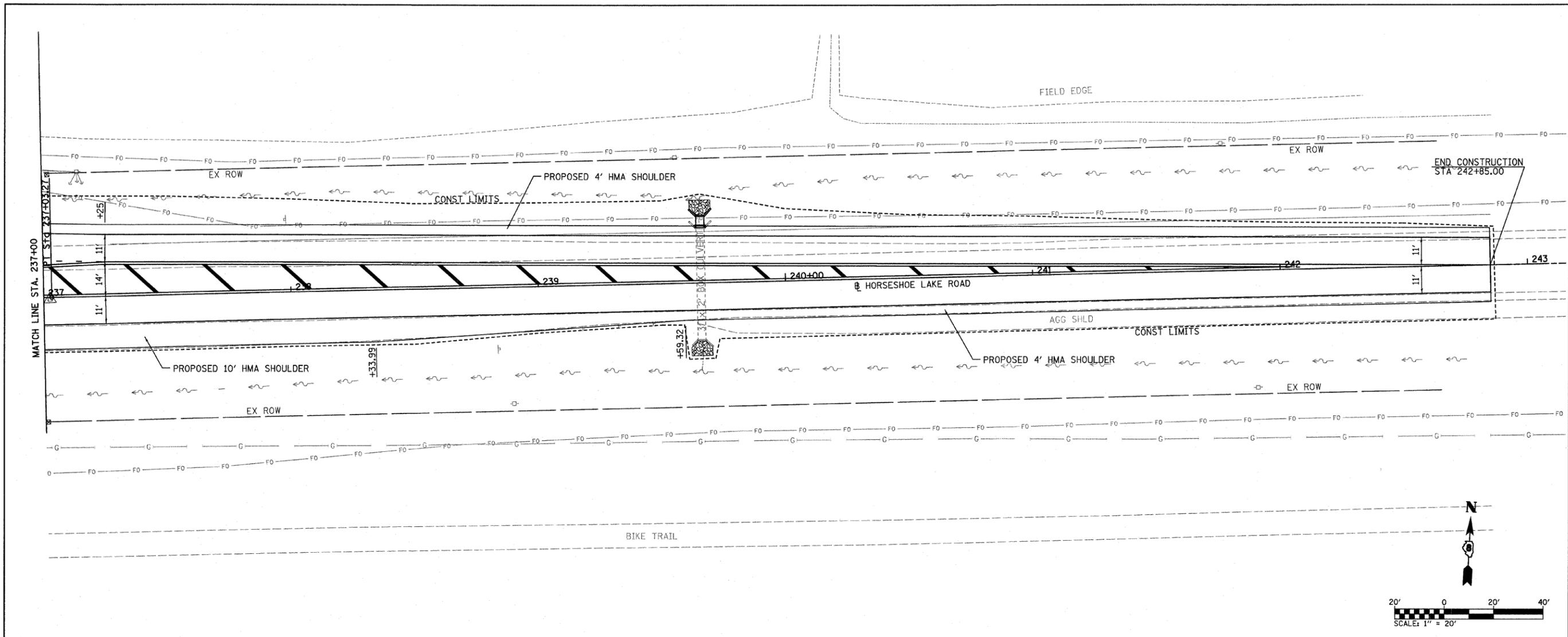






PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NO. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NO. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CHECKED		



421.69 421.86	421.53 421.71	421.27 421.56	421.06 421.42	421.02 421.35	421.03 421.26	420.98 421.24	420.96 421.24	421.01 421.29	421.10 421.37	421.22 421.49	421.34 421.62
237+00	237+50	238+00	238+50	239+00	239+50	240+00	240+50	241+00	241+50	242+00	242+50

FILE NAME = H:\PA\25004\Technical Production\Civil\W017

USER NAME = #USER#  
Microstation\Plinoe2b.dgn  
PLOT SCALE = 20.0000' / IN.  
PLOT DATE = 3/14/2008

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

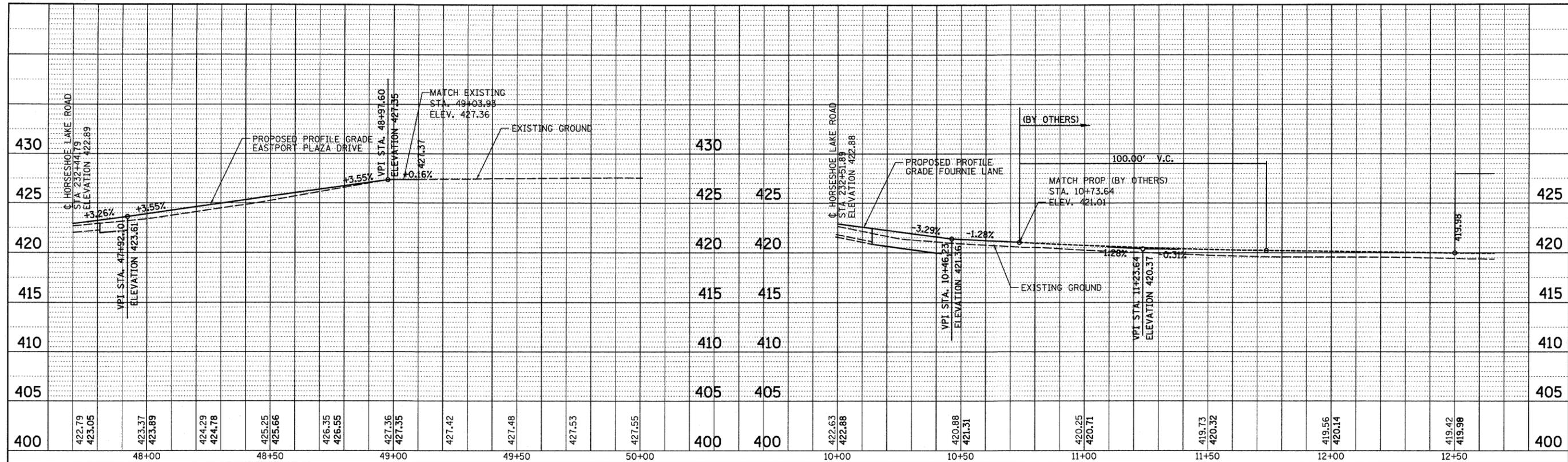
**HORSESHOE LAKE ROAD  
PLAN & PROFILE SHEETS**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 237+00.00 TO STA. 243+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	15
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 76B22

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	REVISIONS		
	NO. OF WAY CHECKED		
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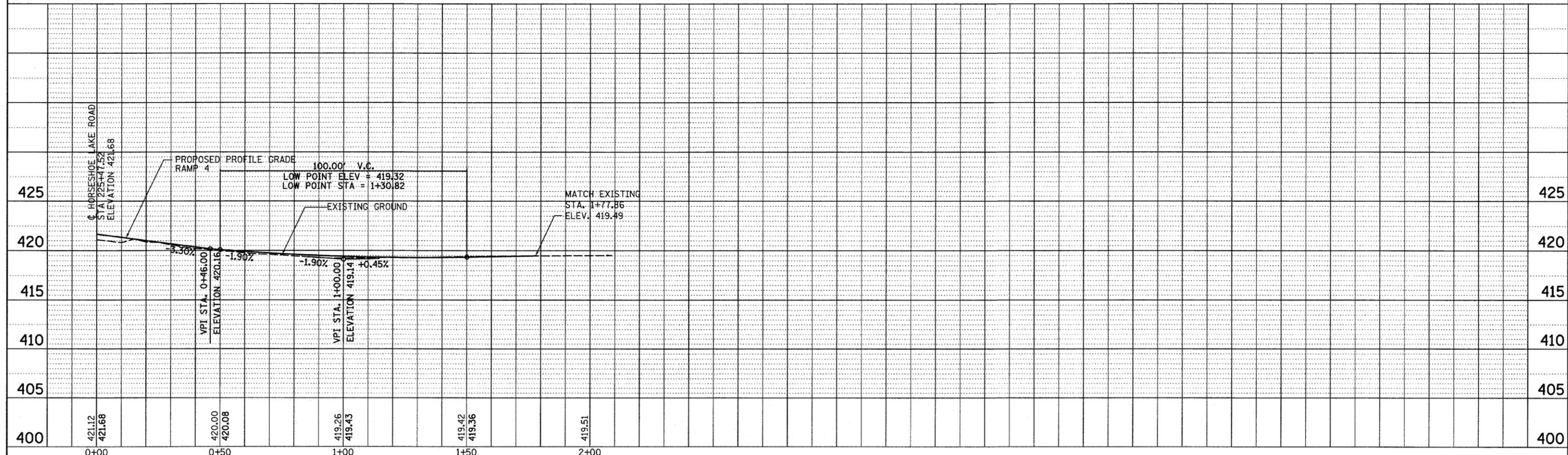


EASTPORT PLAZA DRIVE PROFILES

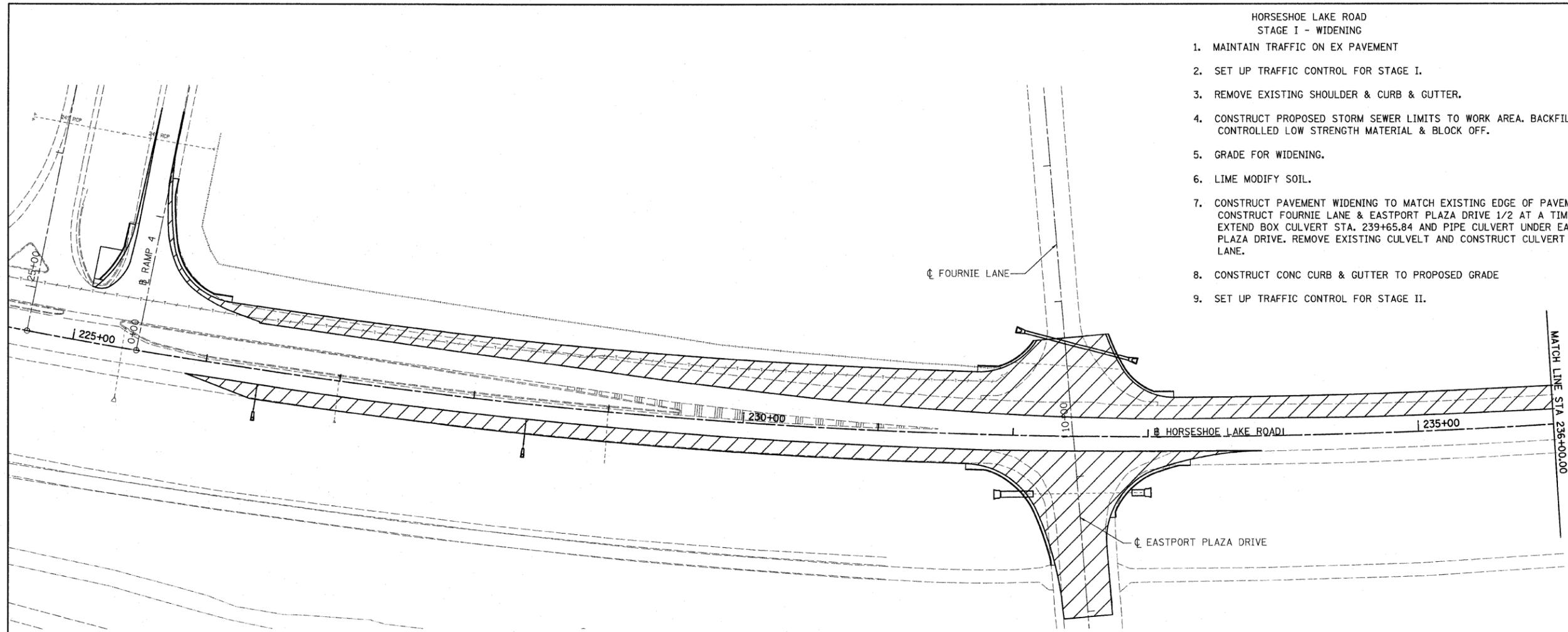
FOURNIE LANE PROFILES

RAMP 4 PROFILES

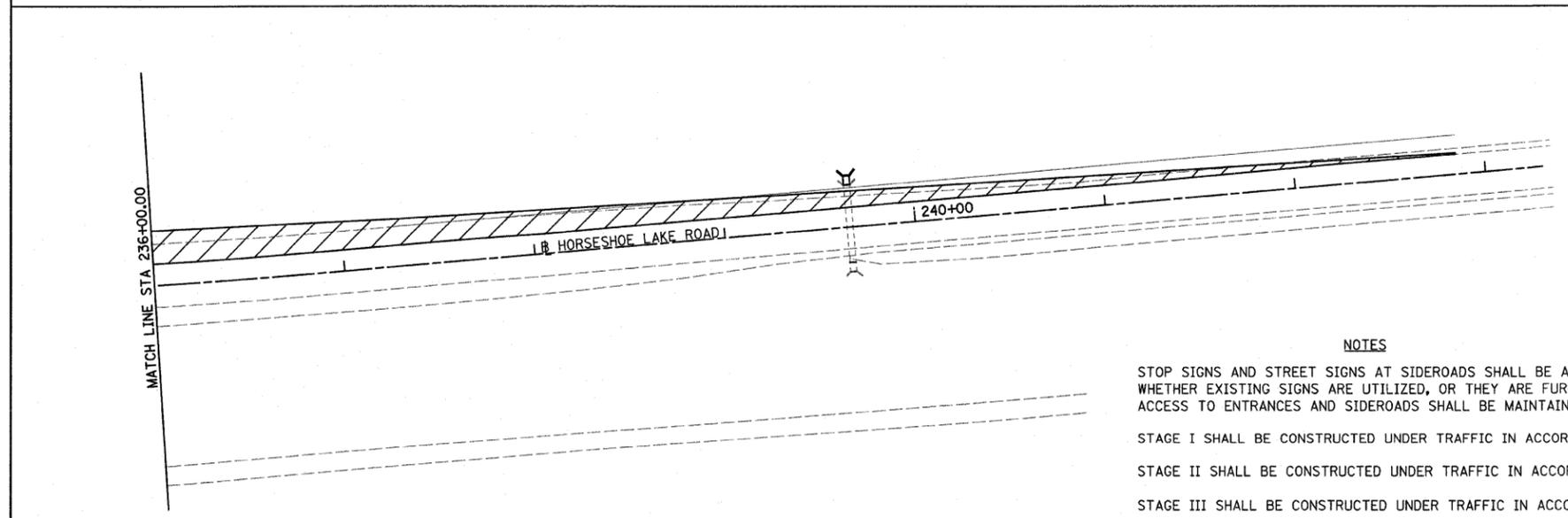
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	REVISIONS		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHRD		



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PLOT SCALE = 20.0000' / IN.	Microstation\ar_prof001.dgn	DRAWN -	REVISED -			CONTRACT NO. 76B22				
PLOT DATE = 3/14/2008		CHECKED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.			



- HORSESHOE LAKE ROAD  
STAGE I - WIDENING
1. MAINTAIN TRAFFIC ON EX PAVEMENT
  2. SET UP TRAFFIC CONTROL FOR STAGE I.
  3. REMOVE EXISTING SHOULDER & CURB & GUTTER.
  4. CONSTRUCT PROPOSED STORM SEWER LIMITS TO WORK AREA. BACKFILL WITH CONTROLLED LOW STRENGTH MATERIAL & BLOCK OFF.
  5. GRADE FOR WIDENING.
  6. LIME MODIFY SOIL.
  7. CONSTRUCT PAVEMENT WIDENING TO MATCH EXISTING EDGE OF PAVEMENT. CONSTRUCT FOURNIE LANE & EASTPORT PLAZA DRIVE 1/2 AT A TIME. EXTEND BOX CULVERT STA. 239+65.84 AND PIPE CULVERT UNDER EASTPORT PLAZA DRIVE. REMOVE EXISTING CULVERT AND CONSTRUCT CULVERT UNDER FOURNIE LANE.
  8. CONSTRUCT CONC CURB & GUTTER TO PROPOSED GRADE
  9. SET UP TRAFFIC CONTROL FOR STAGE II.



**NOTES**

STOP SIGNS AND STREET SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED WHETHER EXISTING SIGNS ARE UTILIZED, OR THEY ARE FURNISHED BY THE CONTRACTOR. ACCESS TO ENTRANCES AND SIDEROADS SHALL BE MAINTAINED AT ALL TIMES.

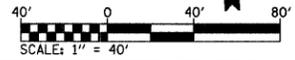
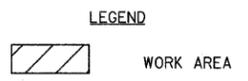
STAGE I SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701326

STAGE II SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701701.

STAGE III SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701306

STAGE IV SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701326.

THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGHOUT THE STAGE CONSTRUCTION.



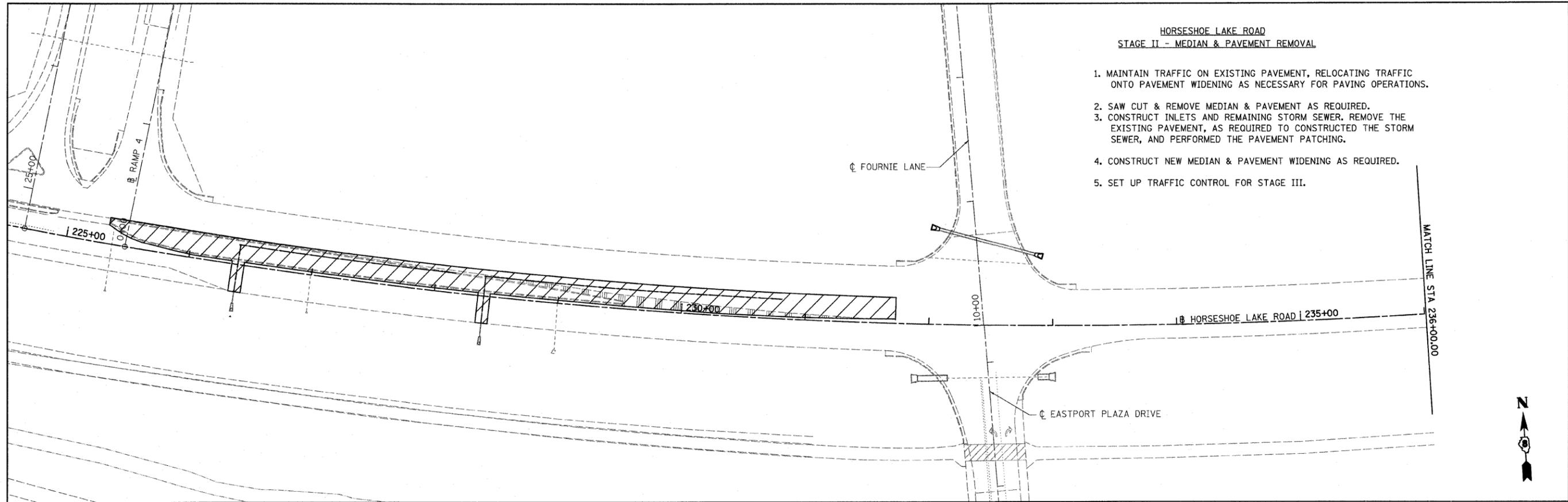
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/14/2008	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

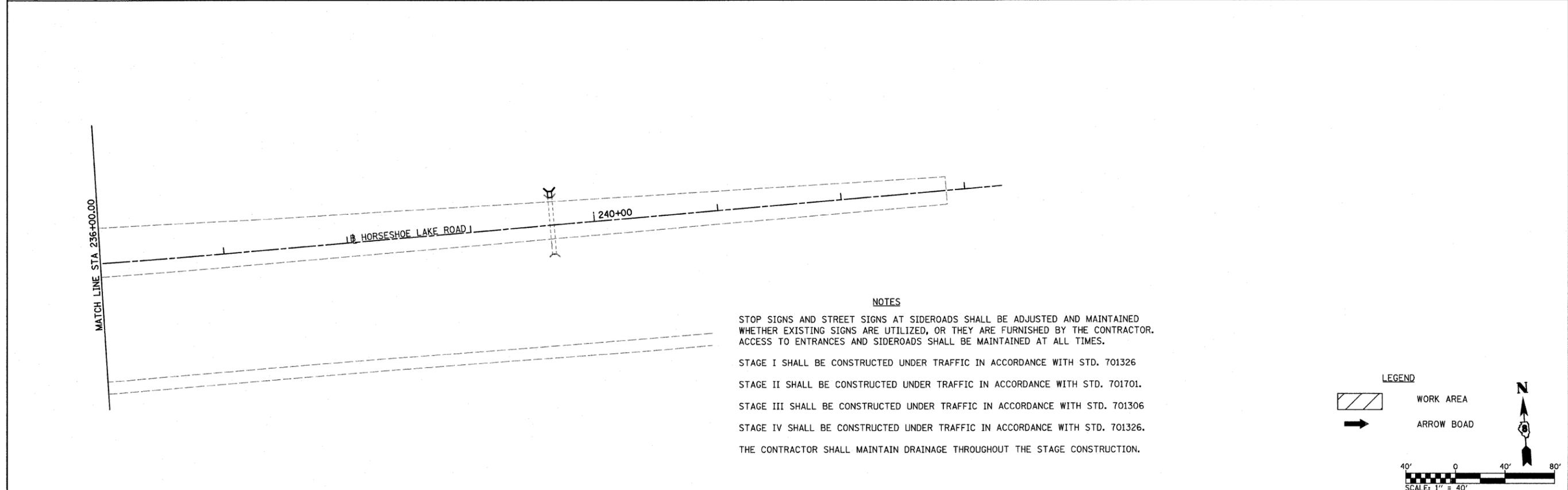
**SUGGESTED STAGING  
STAGE I HIGHWAY CONSTRUCTION**

SCALE: 1" = 40'    SHEET NO. 1 OF 4 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	17
CONTRACT NO. 76B22				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



- HORSESHOE LAKE ROAD**  
**STAGE II - MEDIAN & PAVEMENT REMOVAL**
1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT, RELOCATING TRAFFIC ONTO PAVEMENT WIDENING AS NECESSARY FOR PAVING OPERATIONS.
  2. SAW CUT & REMOVE MEDIAN & PAVEMENT AS REQUIRED.
  3. CONSTRUCT INLETS AND REMAINING STORM SEWER. REMOVE THE EXISTING PAVEMENT, AS REQUIRED TO CONSTRUCTED THE STORM SEWER, AND PERFORMED THE PAVEMENT PATCHING.
  4. CONSTRUCT NEW MEDIAN & PAVEMENT WIDENING AS REQUIRED.
  5. SET UP TRAFFIC CONTROL FOR STAGE III.



**NOTES**

STOP SIGNS AND STREET SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED WHETHER EXISTING SIGNS ARE UTILIZED, OR THEY ARE FURNISHED BY THE CONTRACTOR. ACCESS TO ENTRANCES AND SIDEROADS SHALL BE MAINTAINED AT ALL TIMES.

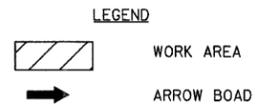
STAGE I SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701326

STAGE II SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701701.

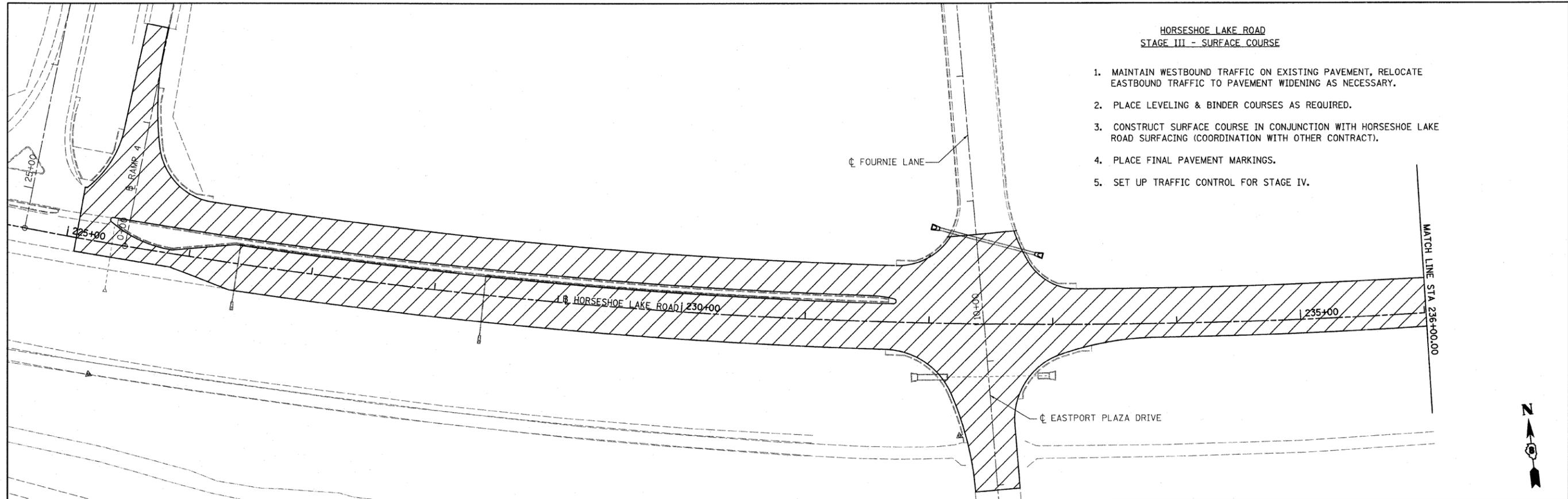
STAGE III SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701306

STAGE IV SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701326.

THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGHOUT THE STAGE CONSTRUCTION.

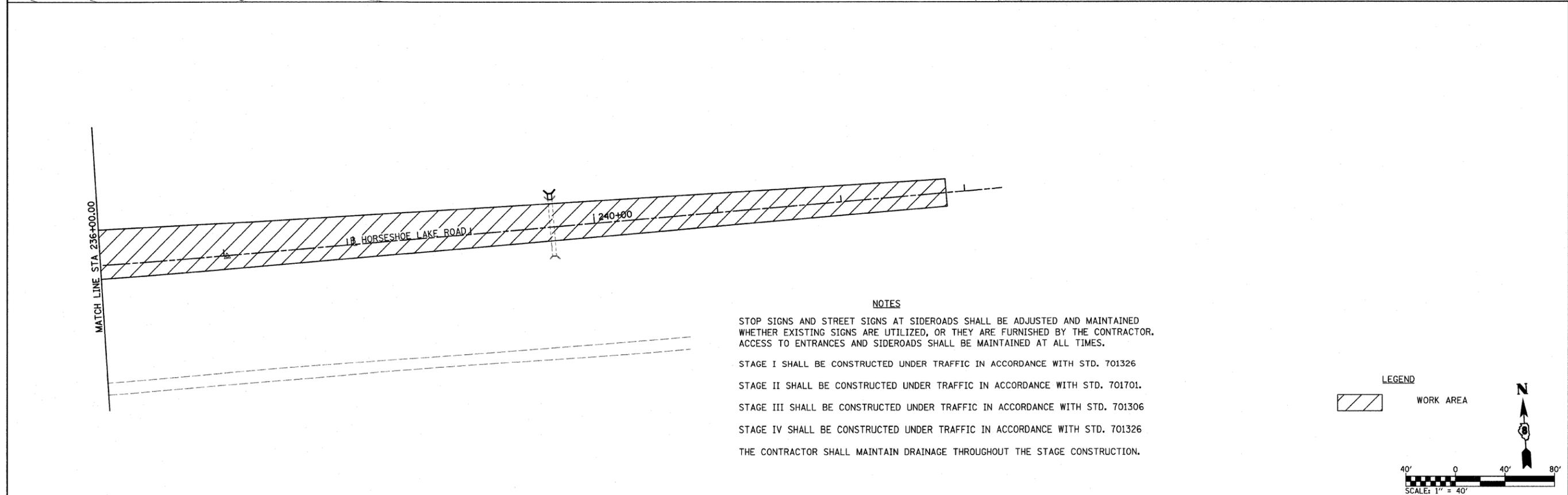


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PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -			SCALE: 1" = 40'		SHEET NO. 2 OF 4 SHEETS		STA. TO STA.	
PLOT DATE = 3/14/2008		DATE -	REVISED -			CONTRACT NO. 76B22					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT											



**HORSESHOE LAKE ROAD  
STAGE III - SURFACE COURSE**

1. MAINTAIN WESTBOUND TRAFFIC ON EXISTING PAVEMENT, RELOCATE EASTBOUND TRAFFIC TO PAVEMENT WIDENING AS NECESSARY.
2. PLACE LEVELING & BINDER COURSES AS REQUIRED.
3. CONSTRUCT SURFACE COURSE IN CONJUNCTION WITH HORSESHOE LAKE ROAD SURFACING (COORDINATION WITH OTHER CONTRACT).
4. PLACE FINAL PAVEMENT MARKINGS.
5. SET UP TRAFFIC CONTROL FOR STAGE IV.



**NOTES**

STOP SIGNS AND STREET SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED WHETHER EXISTING SIGNS ARE UTILIZED, OR THEY ARE FURNISHED BY THE CONTRACTOR. ACCESS TO ENTRANCES AND SIDEROADS SHALL BE MAINTAINED AT ALL TIMES.

STAGE I SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701326

STAGE II SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701701.

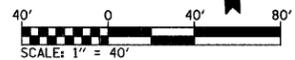
STAGE III SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701306

STAGE IV SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701326

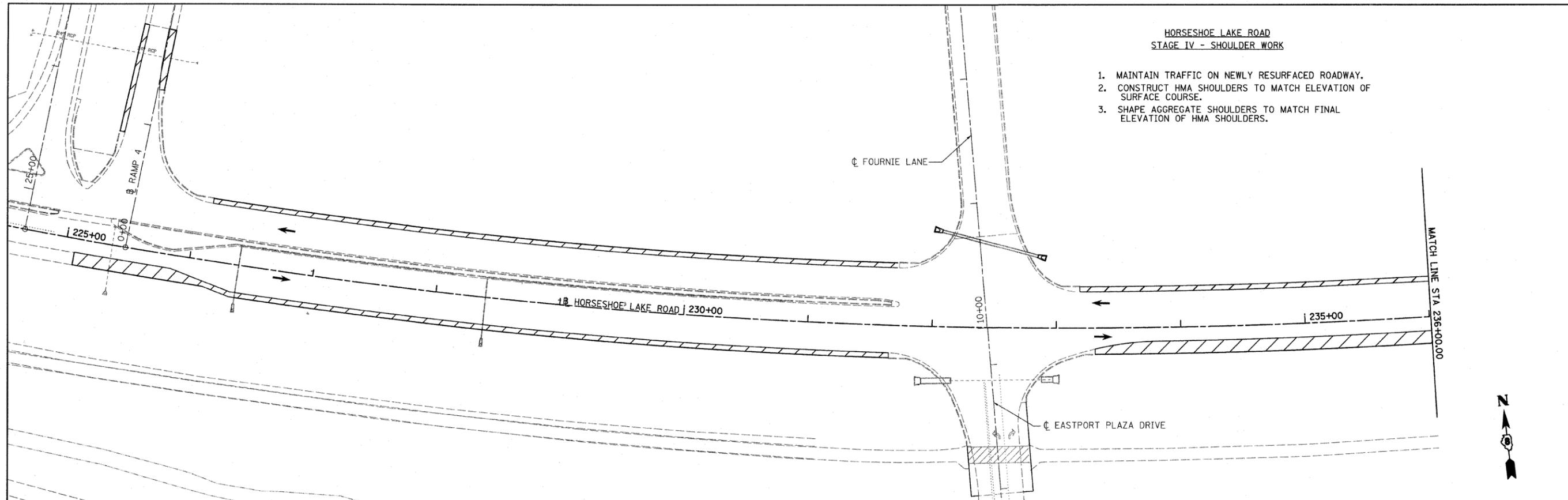
THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGHOUT THE STAGE CONSTRUCTION.

**LEGEND**

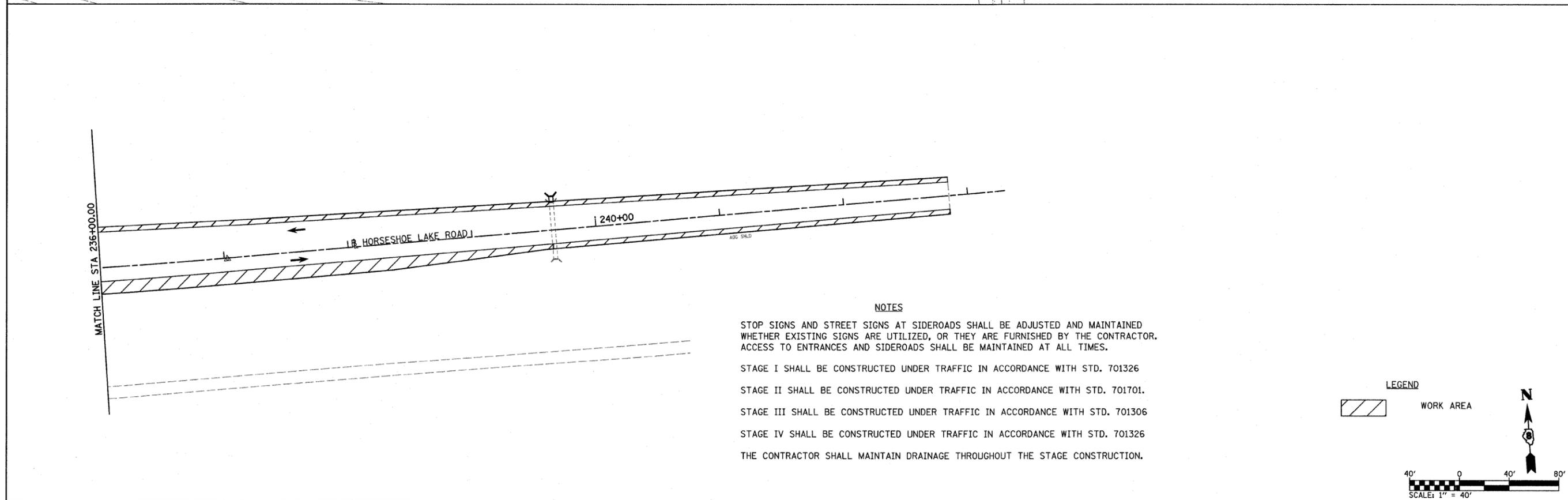
WORK AREA



FILE NAME = H:\P\25004\Technical Production\Civil\W07	USER NAME = #USER# 7\Microstation\stg003.dgn	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGING STAGE III HIGHWAY CONSTRUCTION</b>	F.A.U. RTE. 9111	SECTION 73-15TS	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 19	
PLOT SCALE = 40.0000' / IN.		DRAWN -	REVISED -			SCALE: 1" = 40'		SHEET NO. 3 OF 4 SHEETS		STA. TO STA.	
PLOT DATE = 3/14/2008		CHECKED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								



- HORSESHOE LAKE ROAD**  
**STAGE IV - SHOULDER WORK**
1. MAINTAIN TRAFFIC ON NEWLY RESURFACED ROADWAY.
  2. CONSTRUCT HMA SHOULDERS TO MATCH ELEVATION OF SURFACE COURSE.
  3. SHAPE AGGREGATE SHOULDERS TO MATCH FINAL ELEVATION OF HMA SHOULDERS.



**NOTES**

STOP SIGNS AND STREET SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED WHETHER EXISTING SIGNS ARE UTILIZED, OR THEY ARE FURNISHED BY THE CONTRACTOR. ACCESS TO ENTRANCES AND SIDEROADS SHALL BE MAINTAINED AT ALL TIMES.

STAGE I SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701326

STAGE II SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701701.

STAGE III SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701306

STAGE IV SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STD. 701326

THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGHOUT THE STAGE CONSTRUCTION.

**LEGEND**

WORK AREA

N

SCALE: 1" = 40'

FILE NAME = H:\P\25004\Technical Production\Civil\W0	USER NAME = #USER# 7\Microstation\stg004.dgn	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGING</b> <b>STAGE IV HIGHWAY CONSTRUCTION</b>			F.A.J. RTE. 9111	SECTION 73-15TS	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 20
	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -		SCALE: 1" = 40'	SHEET NO. 4	OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 76B22		
	PLOT DATE = 3/14/2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ON MAY 30, 2003 FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. THIS PLAN HAS ALSO BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF NPDES PERMIT NUMBER ILR40 FOR DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS IF CHECKED BELOW.

NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

- ILR10
- ILR40 PERMIT NO. 0493

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

\_\_\_\_\_  
MARY C. LAMIE  
PRINT NAME  
\_\_\_\_\_  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION FIVE ENGINEER  
\_\_\_\_\_  
TITLE  
\_\_\_\_\_  
IL DEPT. OF TRANSPORTATION  
AGENCY

\_\_\_\_\_  
*Mary C. Lamie*  
SIGNATURE  
\_\_\_\_\_  
3-20-08  
DATE

**I. SITE DESCRIPTION:**

**A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:**

THE PROJECT CONSISTS OF THE PROPOSED IMPROVEMENTS OF 0.20 MILES OF FAU ROUTE 9111 (HORSESHOE LAKE ROAD), WITH THE INTERSECTION OF EASTPORT PLAZA DRIVE AND FOURNIE LANE.

**B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:**

CONSTRUCTION WILL INCLUDE THE WIDENING AND RESURFACING OF FAU ROUTE 9111 (HORSESHOE LAKE ROAD), STORM SEWER AND DRAINAGE STRUCTURES, ASPHALT SHOULDERS, COMBINATION CONCRETE CURB AND GUTTER, TRAFFIC SIGNALS, PAVEMENT MARKING, AND ALL INCIDENTAL AND COLLATERAL WORK NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS.

**C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:**

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

STAGE 1: EXTEND THE BOX CULVERT AT STAION 239+65.84 , CONSTRUCT THE CULVERT UNDER FOURNIE LANE AND EXTEND THE PIPE CULVERT UNDER EASTPORT PLAZA DRIVE. CONSTRUCT THE PAVEMENT WIDENING ON THE NORTH AND THE SOUTH SIDE OF HORSESHOE LAKE ROAD. CONSTRUCT FOURNIE LANE AND EASTPORT PLAZA DRIVE

STAGE 2: REMOVE THE MEDIAN AND THE PAVEMENT AS REQUIRED. CONSTRUCT THE INLETS AND THE STORM SEWER. CONSTRUCT THE NEW MEDIAN AND THE PROPOSED BASE COURSE IN THE MEDIAN AREA.

STAGE 3: CONSTRUCT THE LEVELING BINDER AND THE BINDER COURSE. CONSTRUCT THE SURFACE COURSE IN CONJUNCTION WITH HORSESHOE LAKE ROAD SURFACING. (COORDINATION WITH ADJECENT CONTRACT.

STAGE 4: CONSTRUCT PROPOSED SHOULDERS TO MATCH ELEVATION OF SURFACE COURSE.

STAGE 5: CONSTRUCT THE PROPOSED TRAFFIC SIGNALS AND THE PERMANENT PAVEMENT MARKING.

**D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 3.92 ACRES.**

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 2.49 ACRES.

**E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 0.70**

**F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSION:**

THREE SOIL TYPES ARE LOCATED WITHIN THE PROJECT AREA OF THE HORSESHOE LAKE, EASTPORT PLAZA DRIVE INTERSECTION, THESE ARE:

ORION SILT LOAM (415) - DEEP, SOMEWHAT POORLY DRAINED, MODERATELY PERMEABLE SOIL ON BOTTOM LAND ALONG THE MAJOR STREAMS AND TRIBUTARIES. THESE SOILS FORMED IN SILTY ALLUVIUM. SLOPES RANGE FROM 0 TO 2 PERCENT. ERODES EASILY.

HAYMOND SILT LOAM (331) - WELL DRAINED, NEARLY LEVEL SOIL IS ON FLOOD PLAINS ALONG THE MAJOR RIVERS AND SMALL STREAMS. IT IS FREQUENTLY FLOODED FOR BRIEF PERIODS FROM MARCH THROUGH MAY. INDIVIDUAL AREAS ARE IRREGULAR IN SHAPE AND ARE 10 TO 200 ACRES IN SIZE. ERODES EASILY.

TICE SILT LOAM (3284) - DEEP, SOMEWHAT POORLY DRAINED, MODERATELY PERMEABLE SOILS ON BOTTOM LANDS. THESE SOILS FORMED IN SILTY ALLUVIUM. SLOPES RANGE FROM 0 TO 2 PERCENT. ERODES EASILY.

**G. THERE ARE NO POTENTIALLY ERODIBLE AREAS ASSOCIATED WITH THIS PROJECT:**

**H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR ERODIBLE FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):**

THE NATURE AND PURPOSE OF LAND DISTURBING ACTIVITIES ON THIS PROJECT IS TO IMPROVE THE INTERSECTION OF FAU ROUTE 9111 (HORSESHOE LAKE ROAD) AND EASTPORT PLAZA DRIVE/FOURNIE LANE. ALL WORK IS EXPECTED TO BE CONTAINED WITHIN THE EXISTING RIGHT OF WAY. ALL SOILS TO BE DISTURBED HAVE ERODIBLE CHARACTERISTICS.

**I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.**

**J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS: CAHOKIA CREEK**

**K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)**

- SOIL SEDIMENT
- CONCRETE
- CONCRETE TRUCK WASTE
- CONCRETE CURING COMPOUNDS
- SOLID WASTE DEBRIS
- PAINTS
- SOLVENTS
- FERTILIZERS / PESTICIDES
- PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL/FLUIDS)
- ANTIFREEZE / COOLANTS
- WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT
- OTHER (SPECIFY).....

**CONTROLS**

II. THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH WILL BE PROVIDED AT THE PRE-CONSTRUCTION CONFERENCE, AND ARE A PART OF, THIS PLAN:

**A. EROSION AND SEDIMENT CONTROL**

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN II(A)(1)(G) AND II(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.

a. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

- PRESERVATION OF MATURE VEGETATION
- VEGETATED BUFFER STRIPS
- PROTECTION OF TREES
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY TURF (SEEDING, CLASS 7)
- TEMPORARY MULCHING
- PERMANENT SEEDING
- EROSION CONTROL BLANKET / MULCHING
- SODDING
- GEOTEXTILES
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. TEMPORARY EROSION CONTROL SEEDING - THIS ITEM WILL BE APPLIED TO ALL BARE AREAS EVERY SEVEN DAYS TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREAS.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.

2. PERMANENT SEEDING - SEEDING, CLASS 2A WILL BE INSTALLED PER IDOT SPECIFICATIONS.

3. EROSION CONTROL BLANKET/MULCHING - EROSION CONTROL BLANKET WILL BE INSTALLED OVER THE 1:2 SLOPES THAT HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDED TO PROTECT SLOPES FROM EROSION AND ALLOW SEEDS TO GERMINATE. MULCH, METHOD 2 WILL BE APPLIED IN RELATIVELY FLAT AREAS TO PROTECT THE DISTURBED AREAS AND PREVENT FURTHER EROSION.

MULCH AS APPLIED TO TEMPORARY EROSION CONTROL SEEDING SHALL BE BY THE METHOD SPECIFIED IN THE CONTRACT AND AT THE DIRECTION OF THE ENGINEER. MULCH WILL BE PAID SEPARATELY AND SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS.

PERMANENT STABILIZATION - ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING THE FINISHED GRADING. EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW SEED TO GERMINATE PROPERLY. MULCH, METHOD 2 WILL BE USED ON RELATIVELY FLAT AREAS.

2. STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FOR THIS PROJECT:(CHECK ALL THAT APPLY)

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- STORM DRAIN INLET PROTECTION
- SEDIMENT TRAP
- TEMPORARY PIPE SLOPE DRAIN
- TEMPORARY SEDIMENT BASIN
- TEMPORARY STREAM CROSSING
- STABILIZED CONSTRUCTION EXITS
- TURF REINFORCEMENT MATS
- PERMANENT CHECK DAMS
- PERMANENT SEDIMENT BASIN
- AGGREGATE DITCH
- PAVED DITCH
- ROCK OUTLET PROTECTION
- RIPRAP
- GABIONS
- SLOPE MATTRESS
- RETAINING WALLS
- SLOPE WALLS
- CONCRETE REVETMENT MATS
- LEVEL SPREADERS
- OTHER (SPECIFY).....

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. PERIMETER EROSION BARRIER - SILT FENCES WILL BE PLACED ALONG THE LIMITS OF CONSTRUCTION IN AN EFFORT TO CONTAIN SILT AND RUNOFF FROM LEAVING THE SITE.

CONSTRUCT AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.

2. STORM DRAIN INLET PROTECTION - INLET AND PIPE PROTECTION WILL BE PROVIDED FOR STORM SEWERS AND CULVERTS. SEDIMENT FILTERS WILL BE PLACED IN ALL INLETS, CATCH BASINS AND MANHOLES DURING CONSTRUCTION AND WILL BE CLEANED ON A REGULAR BASIS.

3. TEMPORARY DITCH CHECKS - DITCH CHECKS WILL BE PLACED IN SWALES WHERE RUNOFF VELOCITY IS HIGH. ALL STRUCTURAL PRACTICES ARE SHOWN IN DETAIL ON THE EROSION CONTROL PLANS.

TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1 FT. FALL/RISE IN DITCH GRADE.

TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3- REMOVE AT END OF CONSTRUCTION.

STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCE WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE (IF SPECIFIED), ENVIROBERM, TRIANGULAR SILT DIKES, GEORIDGE AND ROLLED EXCELSIOR.

4. RIPRAP - STONE RIPRAP WITH FILTER FABRIC WILL BE USED AS PROTECTION AT THE DISCHARGE END OF ALL CULVERT END SECTIONS AND AS INLET/OUTLET PROTECTION TO PREVENT SCOURING AT THE END OF PIPES AND PREVENT DOWNSTREAM EROSION.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

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 PRODUCER 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 INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>HORSESHOE LAKE ROAD STORM WATER POLLUTION PREVENTION PLAN SHEETS</b>				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
H:\P\25004\Technical Production\Civil\W07	7\Microstation\SWPPOA2.dgn	DRAWN -	REVISED -									SCALE = 20,000' / IN.	CHECKED -	REVISED -	9111	73-15TS
	PLOT DATE = 3/14/2008	DATE -	REVISED -				SCALE:	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

- a. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES). THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.
- b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

THE PHASE I LOCATION DRAINAGE STUDY HAS DETERMINED THAT NO STORM WATER DETENTION IS REQUIRED FOR THE PROPOSED STORM SEWER OUTLETS TO BE CONSTRUCTED FOR THIS PROJECT.

4. OTHER CONTROLS:

- a. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (SHE WILL USE TO CONSTRUCT AND MAINTAIN THEM.

- b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:

- ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
- WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
- A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
- LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
- SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.

- c. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:

- PERIMETER EROSION BARRIER
- TEMPORARY SEEDING
- TEMPORARY MULCH
- PLASTIC COVERS
- SOIL BINDERS
- STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (SHE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

- d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

- e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

- f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILRIO INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

ALL MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS PROVIDED IN THIS PLAN ARE IN ACCORDANCE WITH "IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL".

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN.

- 1. SEEDING - ALL ERODIBLE BARE EARTH WILL BE TEMPORARILY SEEDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE WITHIN THE CONTRACT LIMITS.

- 2. PERIMETER EROSION BARRIER - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE FENCING IS IN JEOPARDY AND ANY FENCING KNOCKED DOWN WILL BE REPAIRED IMMEDIATELY.

- 3. EROSION CONTROL BLANKET/MULCHING - ANY AREAS THAT FAIL WILL BE REPAIRED IMMEDIATELY.

- 4. DITCH CHECKS - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE DITCH CHECK IS IN JEOPARDY. ANY DITCH CHECKS WHICH FAIL WILL BE REPAIRED OR REPLACED IMMEDIATELY.

THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THESE PRACTICES. ALL MAINTENANCE OF EROSION CONTROL SYSTEMS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY IDOT AFTER FINAL INSPECTION. ALL LOCATIONS WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD ALSO BE INSPECTED PERIODICALLY.

INSPECTION OF THESE AREAS SHALL BE MADE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCHES OR GREATER RAINFALL, OR AN EQUIVALENT SNOWFALL. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

- A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.

- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.

- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL COMPLETE AND FILE AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT. THE INCIDENCE OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
ATTN: COMPLIANCE ASSURANCE SECTION  
1021 NORTH GRAND EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

- A. SPILL PREVENTION AND CONTROL - BMPs SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

- B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:

- 1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
- 2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
- 3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
- 4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

- C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

- D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.

- E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPs CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPs WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (S)HE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPs (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPs:

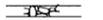
- 1. CONTAINMENT
- 2. SPILL PREVENTION AND CONTROL
- 3. USE OF DRIP PANS AND ABSORBENTS
- 4. AUTOMATIC SHUT-OFF NOZZLES
- 5. TOPPING OFF RESTRICTIONS
- 6. LEAK INSPECTION AND REPAIR

- F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

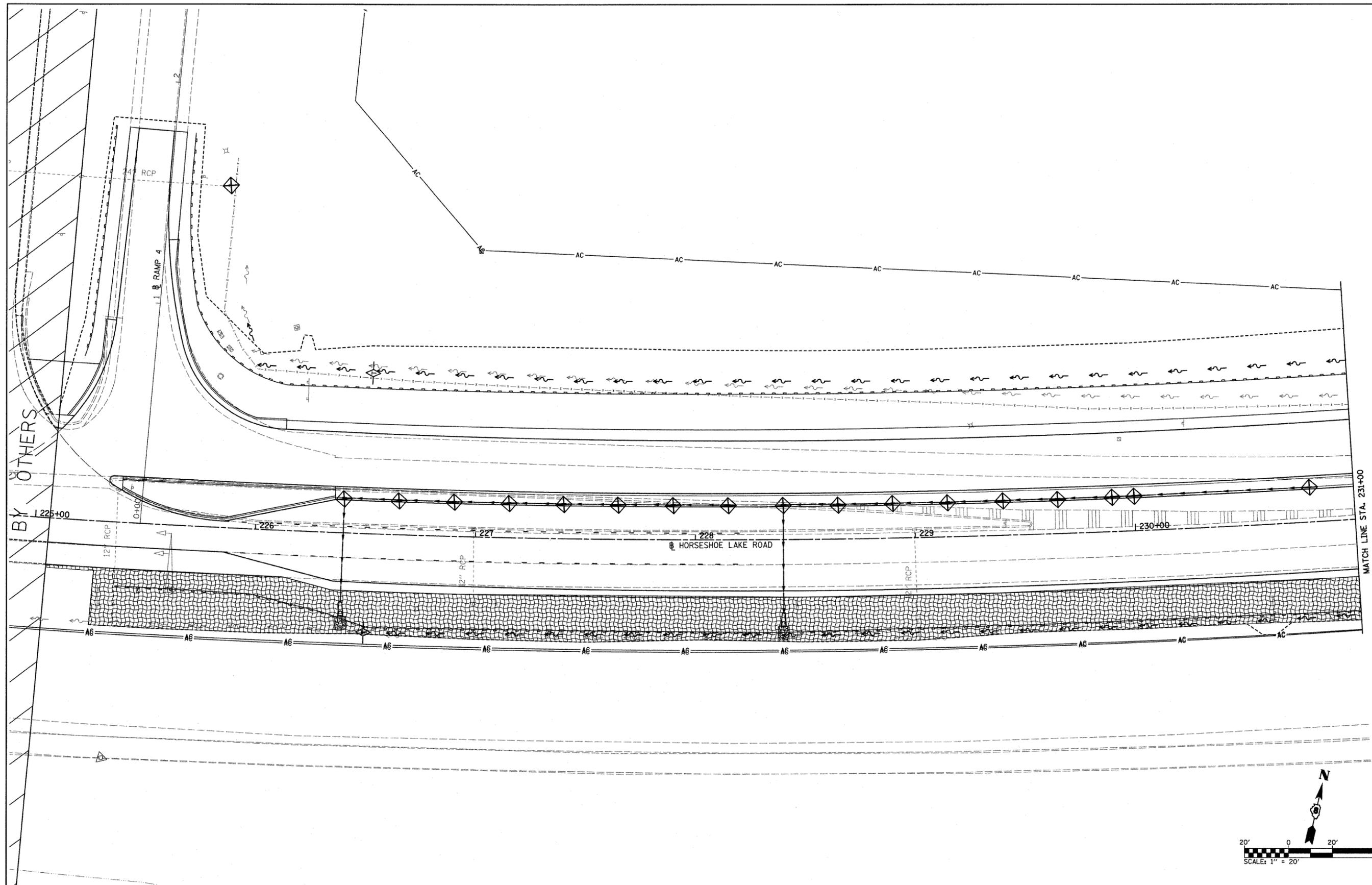
VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

LEGEND

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  TEMPORARY DITCH CHECK- AGGREGATE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HORSESHOE LAKE ROAD STORM WATER POLLUTION PREVENTION PLAN SHEETS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
H:\P\25024\Technical Production\Civil\W02	\Microstation\SWPP0A2.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 5 SHEETS	STA.	TO STA.	9111	73-15TS	MADISON	64	22
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	PLOT DATE = 3/14/2008	DATE -	REVISED -										
								FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 76B22	



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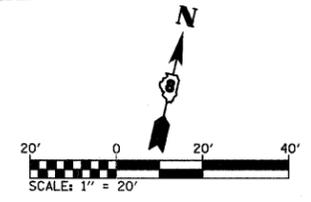
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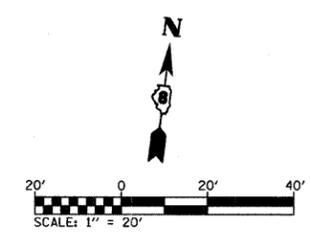
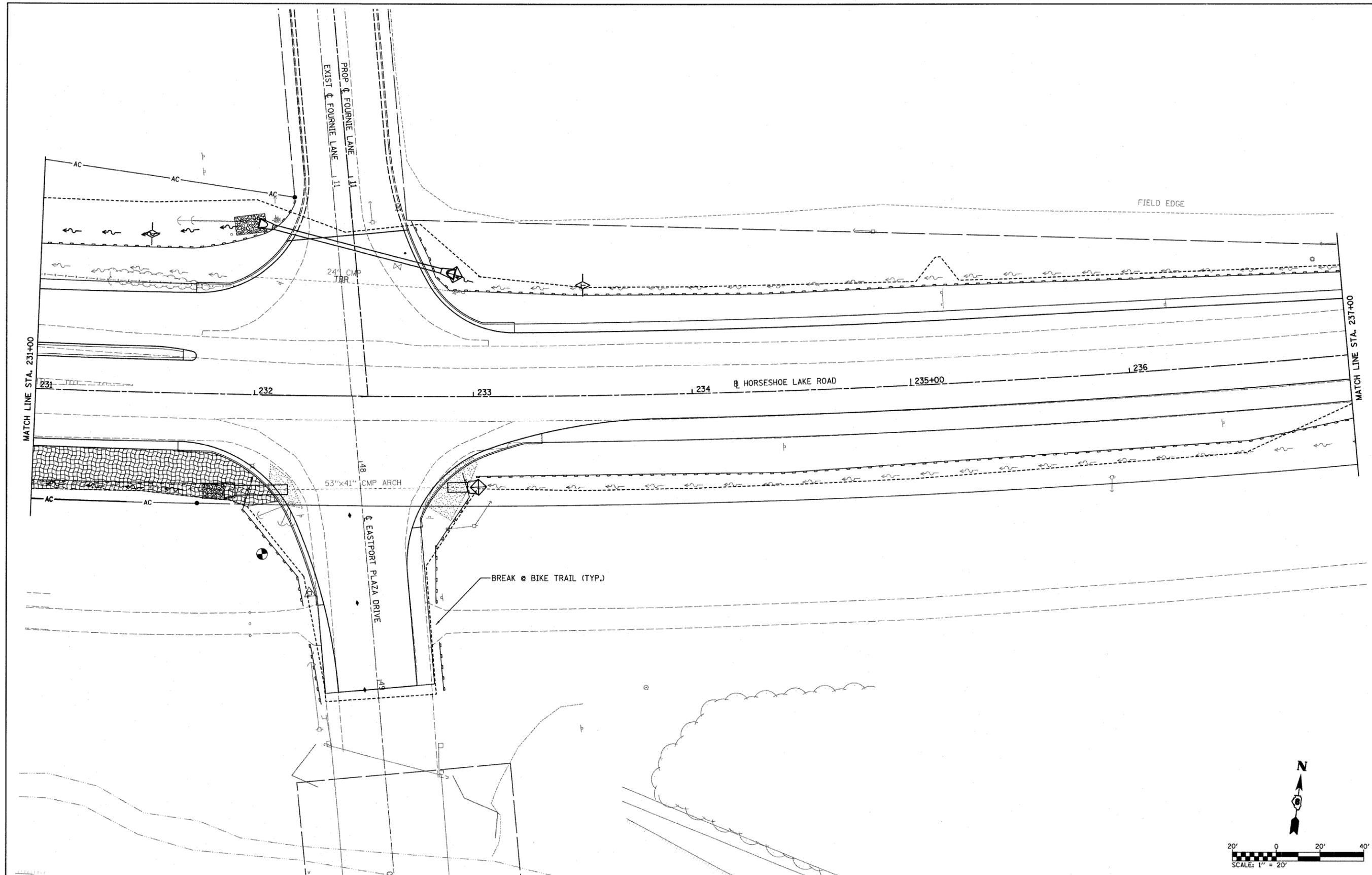
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**HORSESHOE LAKE ROAD  
 STORM WATER POLLUTION PREVENTION PLAN SHEETS**

SCALE: 1" = 20'    SHEET NO. 3 OF 5 SHEETS    STA. 225+00 TO STA. 231+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	23
CONTRACT NO. 76B22				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				





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 PLOT DATE = 3/14/2008

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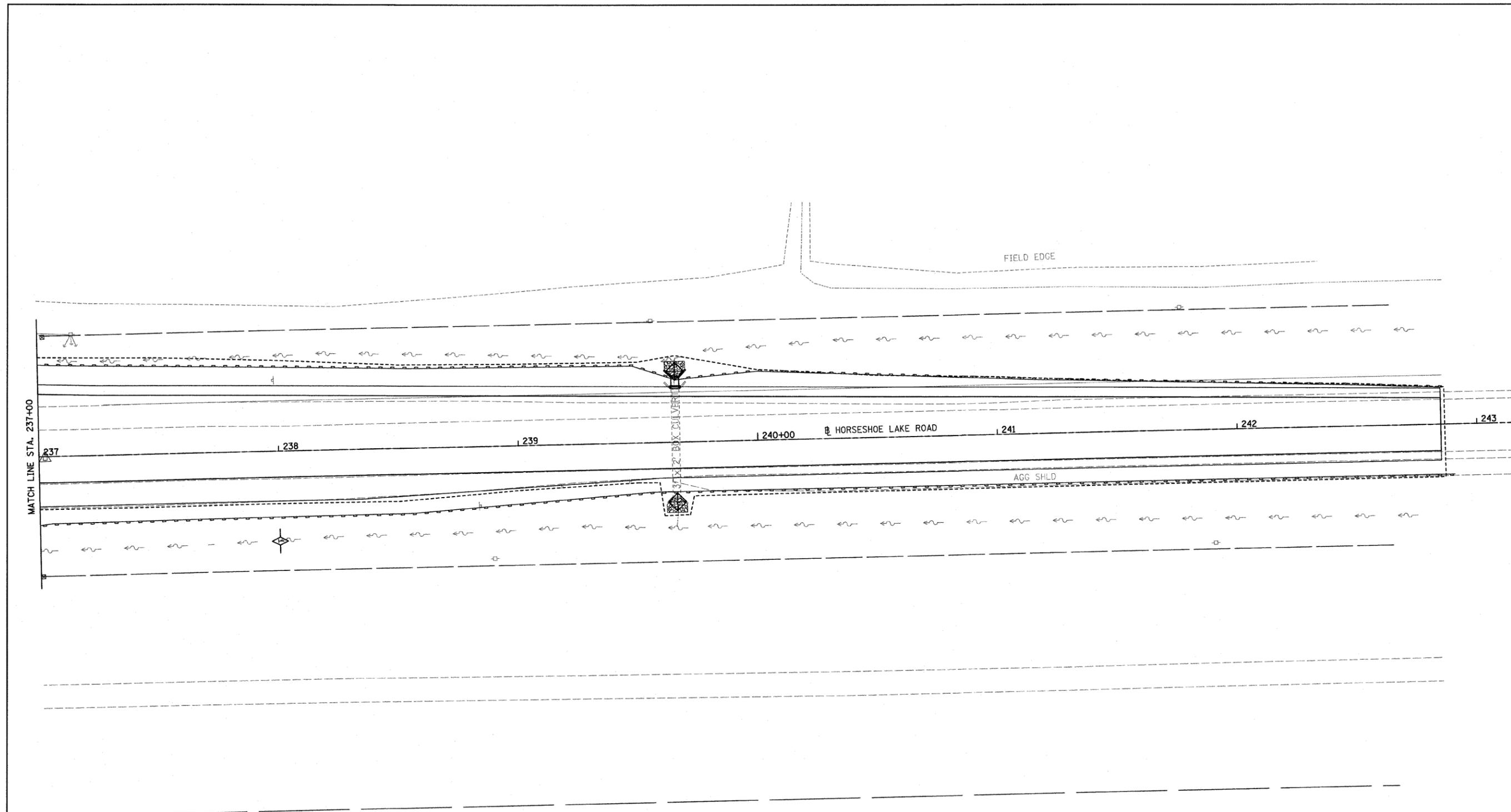
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**HORSESHOE LAKE ROAD  
 STORM WATER POLLUTION PREVENTION PLAN SHEETS**

SCALE: 1" = 20' SHEET NO. 4 OF 5 SHEETS STA. 231+00 TO STA. 237+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	24
CONTRACT NO. 76B22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 237+00



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	7\Microstation\SWPP042.dgn	DRAWN -	REVISED -					9111	73-15TS	MADISON	64	25
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 76B22				
	PLOT DATE = 3/14/2008	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 1" = 20'			SHEET NO. 5 OF 5 SHEETS			STA. 237+00 TO STA. 242+85		









**NW RADIUS RETURN**

PT. NO.	STATION	OFFSET	ELEVATION
1	11+03.12 (F)	10.49' LT	420.31
2	10+98.98 (F)	10.66' LT	420.36
3	10+89.16 (F)	12.48' LT	420.47
4	10+79.90 (F)	16.21' LT	420.59
5	10+71.57 (F)	21.71' LT	420.70
6	10+64.33 (F)	28.94' LT	420.82
7	10+58.86 (F)	37.22' LT	420.94
8	10+55.12 (F)	46.48' LT	421.05
9	231+82.39 (H)	46.99' LT	421.16
10	231+72.32 (H)	46.00' LT	421.28

(F) - FOURNIE LANE  
(H) - HORSESHOE LAKE ROAD

**NE RADIUS RETURN**

PT. NO.	STATION	OFFSET	ELEVATION
1	11+11.62 (F)	25.51' RT	420.24
2	11+05.62 (F)	25.63' RT	420.33
3	10+95.65 (F)	26.36' RT	420.48
4	10+85.75 (F)	27.75' RT	420.62
5	10+75.96 (F)	29.81' RT	420.77
6	10+66.34 (F)	32.51' RT	420.92
7	10+56.91 (F)	35.84' RT	421.06
8	10+47.73 (F)	39.79' RT	421.21
9	10+41.55 (F)	43.33' LT	421.31
10	232+90.92 (H)	38.55' LT	421.46
11	232+99.50 (H)	33.33' LT	421.61
12	233+09.01 (H)	30.10' LT	421.75
13	233+18.99 (H)	29.00' LT	421.90

(F) - FOURNIE LANE  
(H) - HORSESHOE LAKE ROAD

**SW RADIUS RETURN**

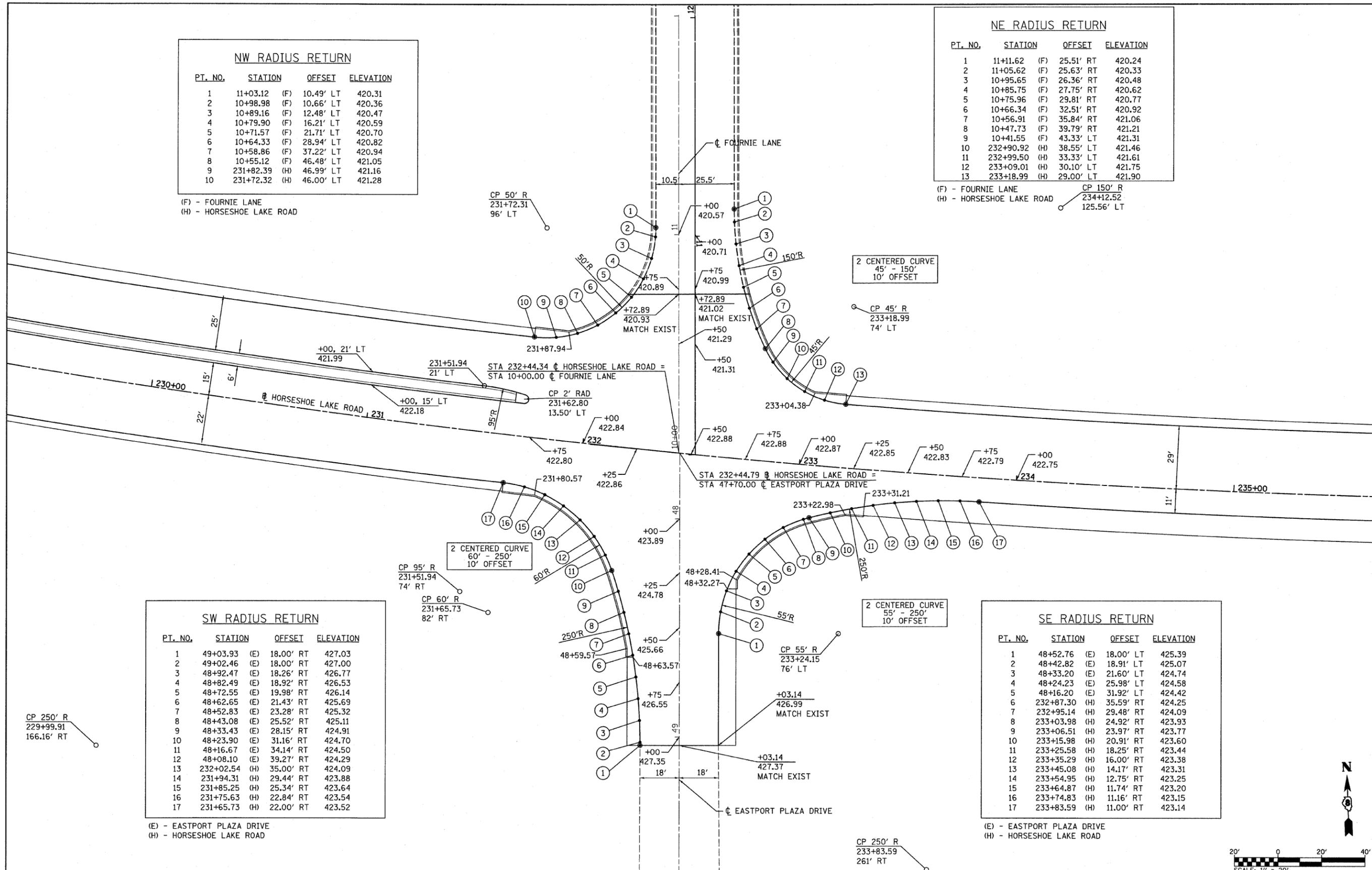
PT. NO.	STATION	OFFSET	ELEVATION
1	49+03.93 (E)	18.00' RT	427.03
2	49+02.46 (E)	18.00' RT	427.00
3	48+92.47 (E)	18.26' RT	426.77
4	48+82.49 (E)	18.92' RT	426.53
5	48+72.55 (E)	19.98' RT	426.14
6	48+62.65 (E)	21.43' RT	425.69
7	48+52.83 (E)	23.28' RT	425.32
8	48+43.08 (E)	25.52' RT	425.11
9	48+33.43 (E)	28.15' RT	424.91
10	48+23.90 (E)	31.16' RT	424.70
11	48+16.67 (E)	34.14' RT	424.50
12	48+08.10 (E)	39.27' RT	424.29
13	232+02.54 (H)	35.00' RT	424.09
14	231+94.31 (H)	29.44' RT	423.88
15	231+85.25 (H)	25.34' RT	423.64
16	231+75.63 (H)	22.84' RT	423.54
17	231+65.73 (H)	22.00' RT	423.52

(E) - EASTPORT PLAZA DRIVE  
(H) - HORSESHOE LAKE ROAD

**SE RADIUS RETURN**

PT. NO.	STATION	OFFSET	ELEVATION
1	48+52.76 (E)	18.00' LT	425.39
2	48+42.82 (E)	18.91' LT	425.07
3	48+33.20 (E)	21.60' LT	424.74
4	48+24.23 (E)	25.98' LT	424.58
5	48+16.20 (E)	31.92' LT	424.42
6	232+87.30 (H)	35.59' RT	424.25
7	232+95.14 (H)	29.48' RT	424.09
8	233+03.98 (H)	24.92' RT	423.93
9	233+06.51 (H)	23.97' RT	423.77
10	233+15.98 (H)	20.91' RT	423.60
11	233+25.58 (H)	18.25' RT	423.44
12	233+35.29 (H)	16.00' RT	423.38
13	233+45.08 (H)	14.17' RT	423.31
14	233+54.95 (H)	12.75' RT	423.25
15	233+64.87 (H)	11.74' RT	423.20
16	233+74.83 (H)	11.16' RT	423.15
17	233+83.59 (H)	11.00' RT	423.14

(E) - EASTPORT PLAZA DRIVE  
(H) - HORSESHOE LAKE ROAD



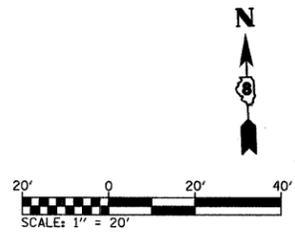
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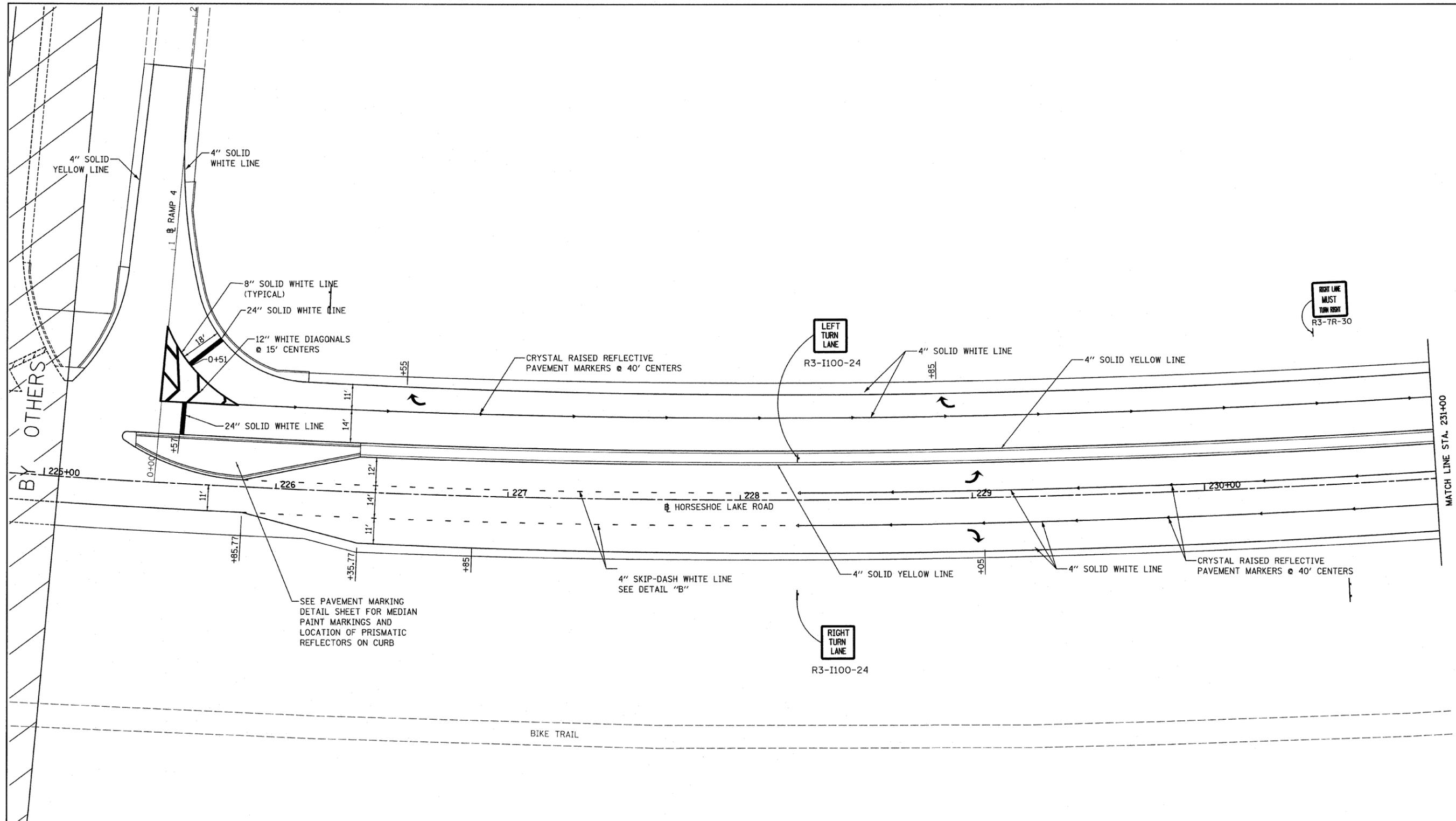
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL  
HORSESHOE LAKE RD/FOURNIE LANE/EASTPORT PLAZA DRIVE**  
SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

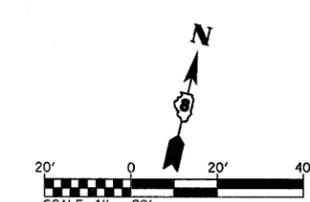
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	30
CONTRACT NO. 76B22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

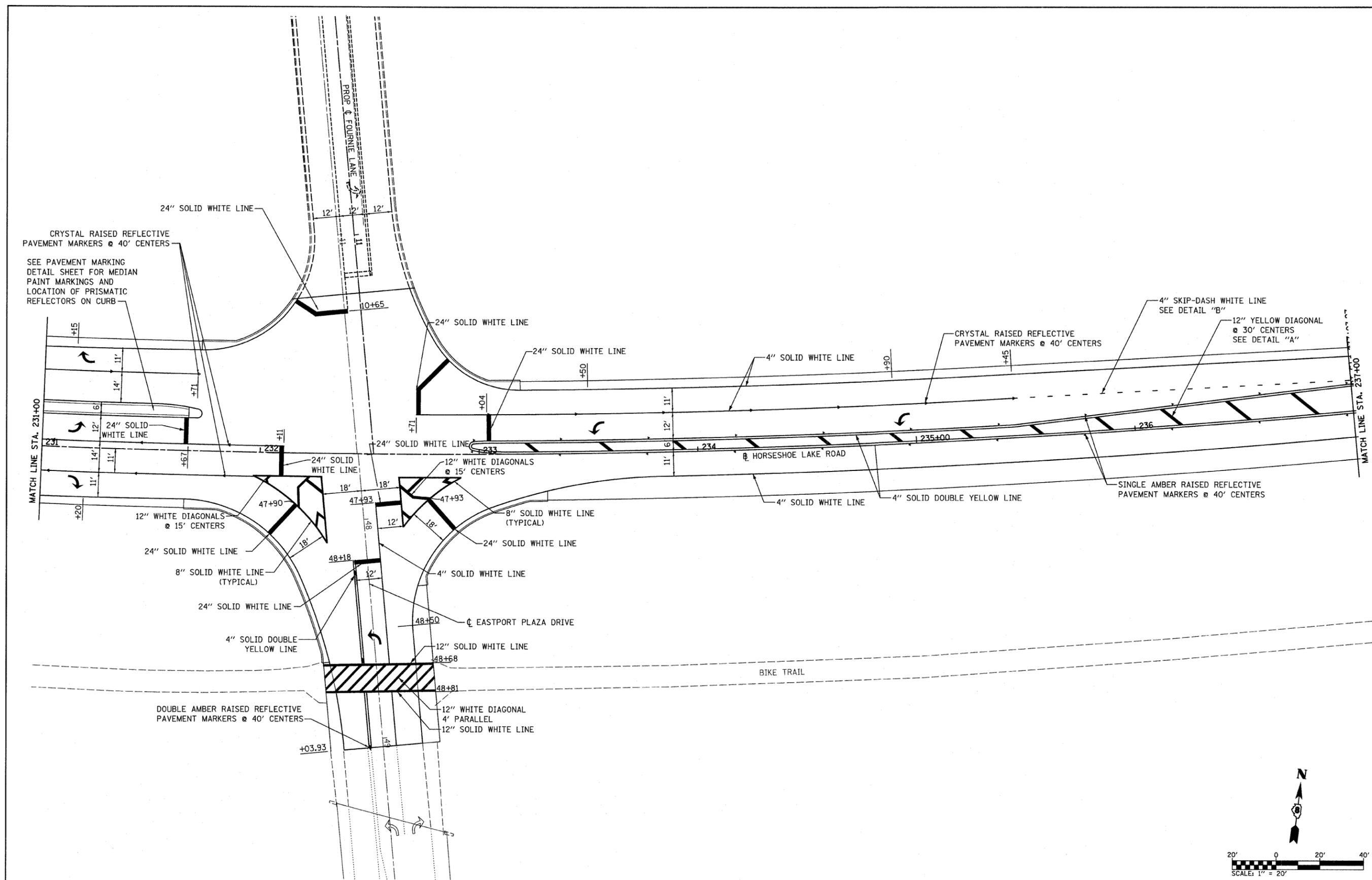




RIGHT TURN LANE MUST TURN RIGHT  
R3-7R-30

FILE NAME = H:\VP\25204\Technical Production\Civil\W0	USER NAME = #USER# 7\Microstation\pvm-k0a2.dgn	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLANS</b>			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / IN.	PLOT DATE = 3/14/2008	DRAWN -	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 4 SHEETS	STA. 225+00 TO STA. 231+00	9111	73-15TS	MADISON	64	31
		CHECKED -	REVISED -					CONTRACT NO. 76B22				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				





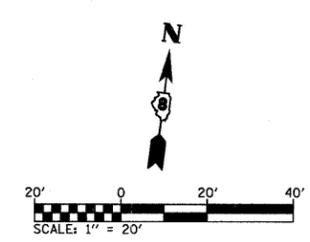
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		DATE -	REVISED -

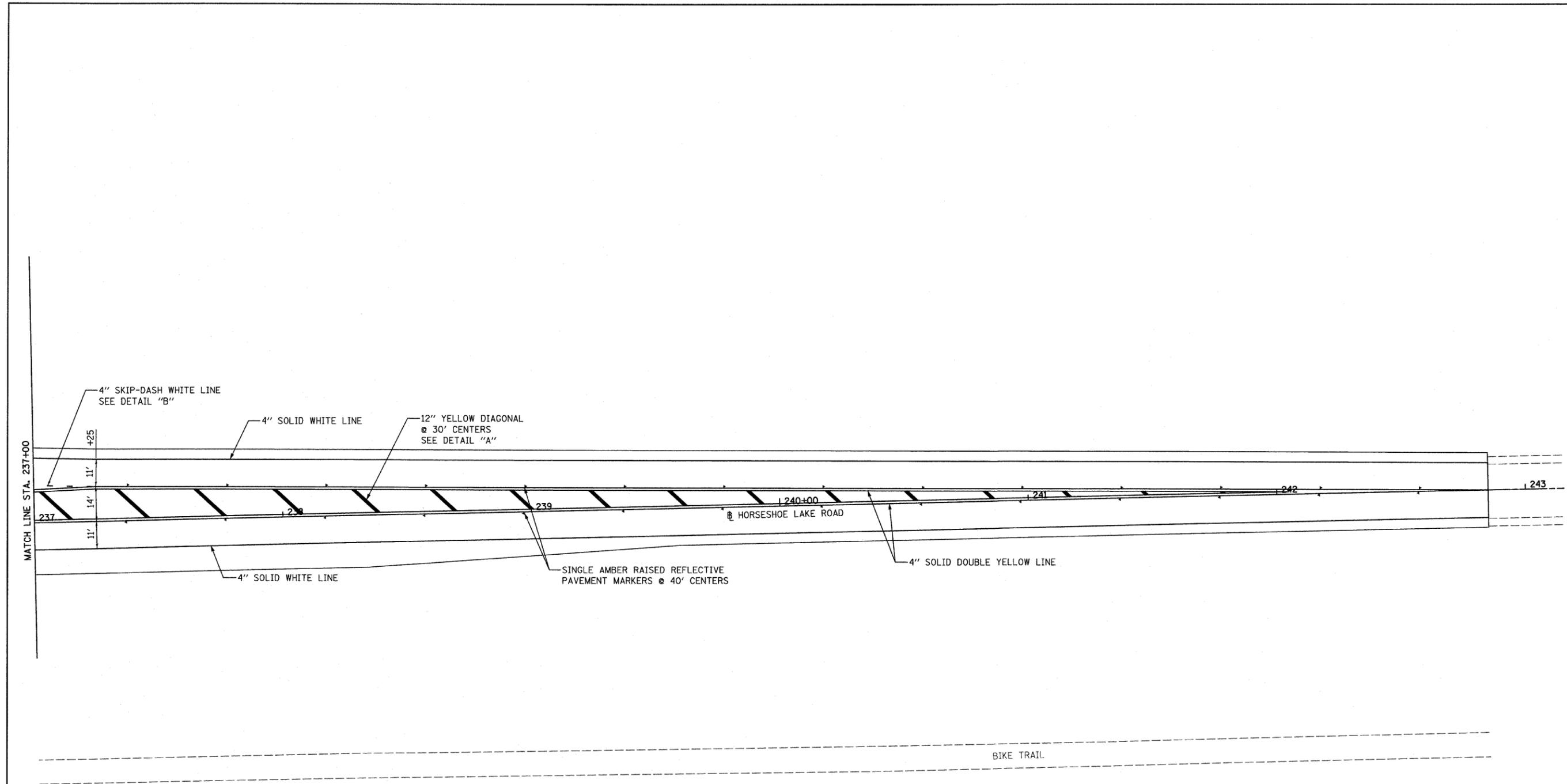
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS**

SCALE: 1"=20'    SHEET NO. 2 OF 4 SHEETS    STA. 231+00 TO STA. 237+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B22	





4" SKIP-DASH WHITE LINE  
SEE DETAIL "B"

4" SOLID WHITE LINE

12" YELLOW DIAGONAL  
@ 30' CENTERS  
SEE DETAIL "A"

MATCH LINE STA. 237+00

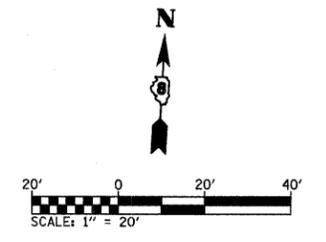
+25  
11'  
14'  
11'

SINGLE AMBER RAISED REFLECTIVE  
PAVEMENT MARKERS @ 40' CENTERS

4" SOLID DOUBLE YELLOW LINE

HORSESHOE LAKE ROAD

BIKE TRAIL



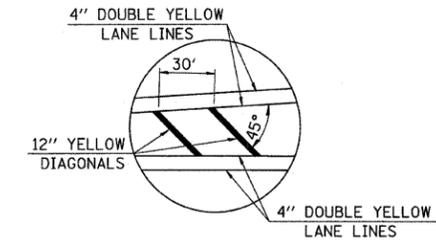
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

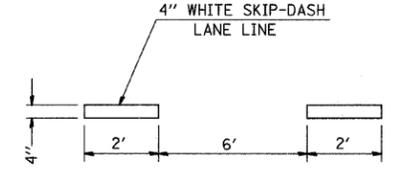
**PAVEMENT MARKING PLANS**

SCALE: 1"=20' SHEET NO. 3 OF 4 SHEETS STA. 237+00 TO STA. 243+00

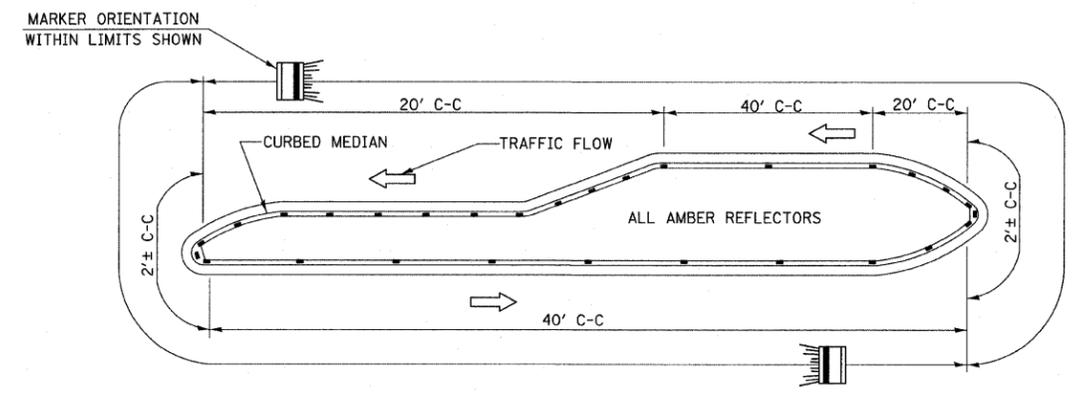
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	33
CONTRACT NO. 76B22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



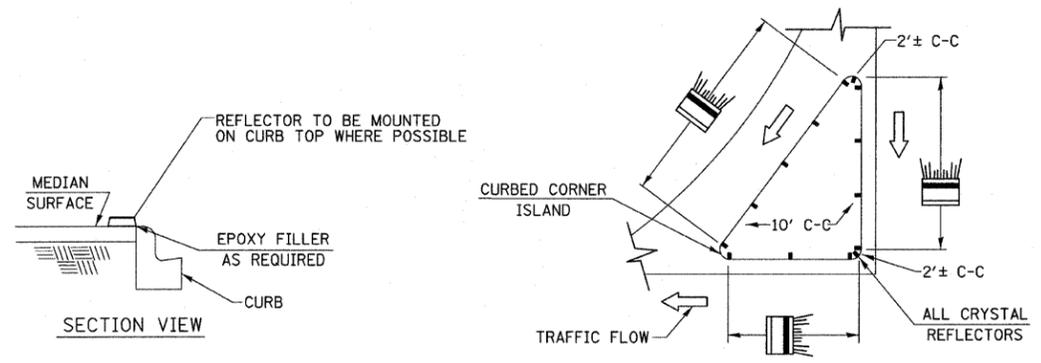
TYPICAL APPLICATION FOR MEDIAN STRIPING  
**DETAIL 'A'**  
 NOT TO SCALE



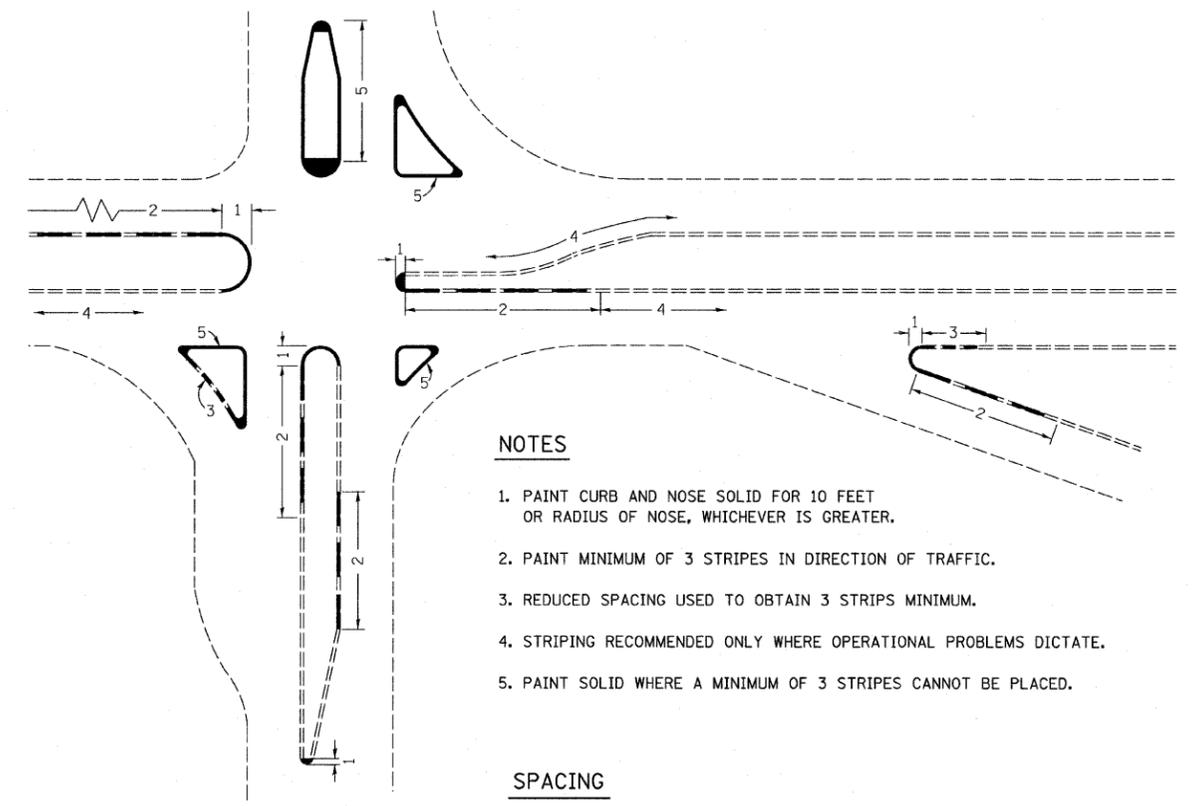
TYPICAL APPLICATION FOR ABBREVIATED WHITE SKIP-DASH LANE LINES  
**DETAIL 'B'**  
 NOT TO SCALE



- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
  2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
  3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



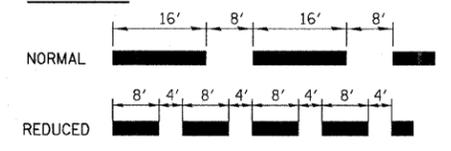
TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS  
 (NO SCALE)



**NOTES**

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

**SPACING**



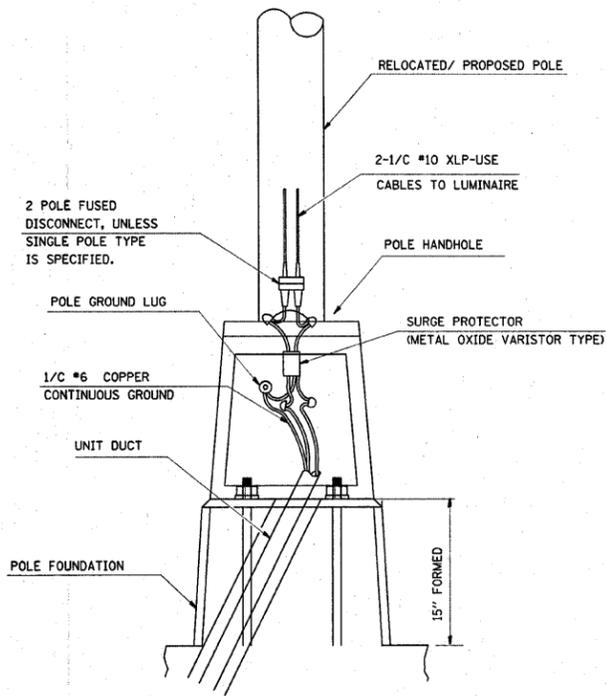
TYPICAL CURB MARKING

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	PLOT SCALE = 20,0000' / IN.	DRAWN -	REVISD -		SCALE: NO SCALE	SHEET NO. 4 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 76B22				
	PLOT DATE = 3/14/2008	CHECKED -	REVISD -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISD -									

# SCHEDULE OF QUANTITIES

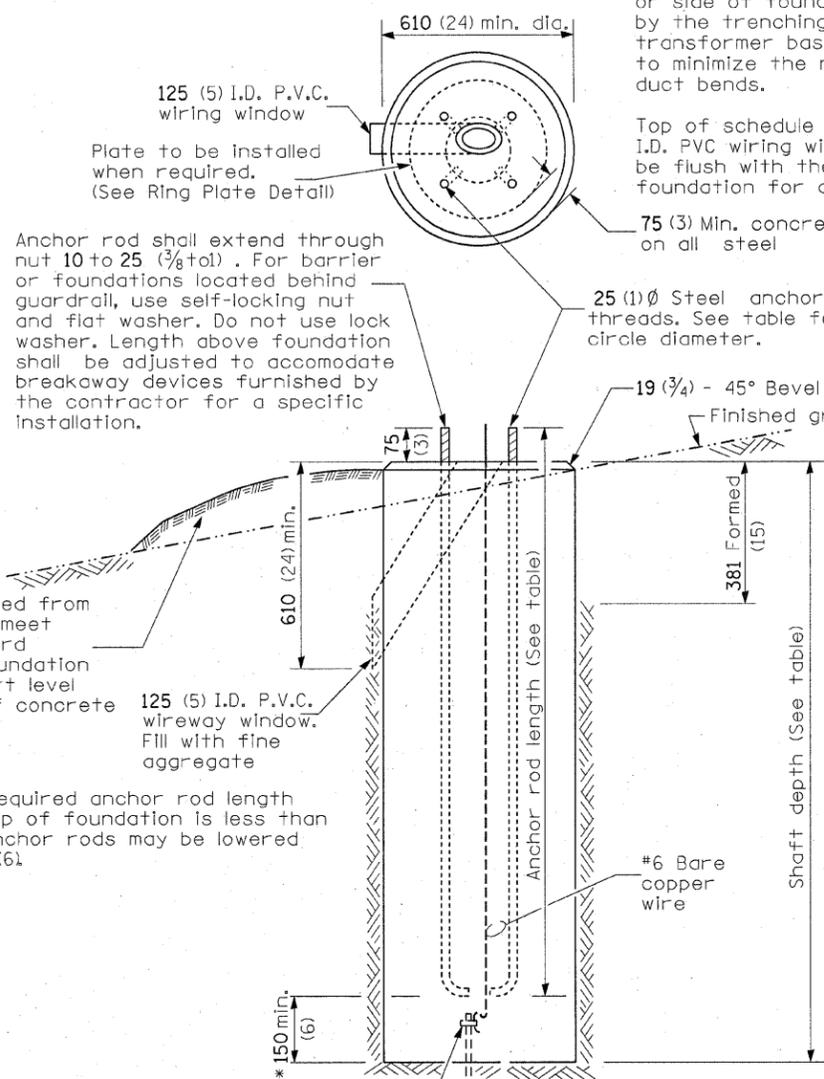
SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE Y031			SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE Y031		
CODE NO	ITEM	UNIT		I-255 RAMP 3 & 4	EPRT.PLZ. DR. FOURNIE LN.	-----	CODE NO	ITEM	UNIT		I-255 RAMP 3 & 4	EPRT.PLZ. DR. FOURNIE LN.	-----
72000100	SIGN PANEL - TYPE 1	SQ FT	15		15		87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1991	458	1533	
72000200	SIGN PANEL - TYPE 2	SQ FT	49		49		87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1	
80300100	LOCATING UNDERGROUND CABLE	FOOT	80	40	40		87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1	
80500100	SERVICE INSTALLATION, TYPE A	EACH	1		1		87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1		1	
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	213	65	148		87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1		1	
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	590		590		87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3		3	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	109		109		87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	64		64	
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	55		55		88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4	
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	63	16	47		88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4		4	
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	198		198		88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2		2	
81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT		56			88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2		2	
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	10	2	8		88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2	
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1		1		88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2		2	
81603035	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1222	703	519		88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8		8	
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	250		250		88500100	INDUCTIVE LOOP DETECTOR	EACH	15	1	14	
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1480		1480		88600100	DETECTOR LOOP, TYPE I	FOOT	2280	427	1853	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1710	768	942		89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1		
81900205	TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	FOOT	24	4	20		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	60	60		
82103900	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH			2		89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	660	660		
83027500	LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 50 FT. M.H., TENON MOUNT - TWIN	EACH	1		1		89502380	REMOVE EXISTING HANDHOLE	EACH	1	1		
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	21	14	7								
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	1		1								
84200700	LIGHTING FOUNDATION REMOVAL	EACH	3	2	1								
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2	2									
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1								
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1								
87100105	FIBER OPTIC CABLE IN CONDUIT, NO. 62. 5/125, 4F	FOOT	506	272	234								
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1211		1211								
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1257		1257								





**POLE BASE MOUNTING AND WIRING**

NOTE: A. ON POLES WITH TWO LUMINAIRES, EACH LUMINAIRE SHALL HAVE A SEPARATE FUSED DISCONNECT & ASSOCIATED CABLES TO EACH LUMINAIRE.



Use dirt removed from foundation to meet 1.52m (5 ft.) chord fill around foundation top. Grade dirt level with bottom of concrete chamfer.

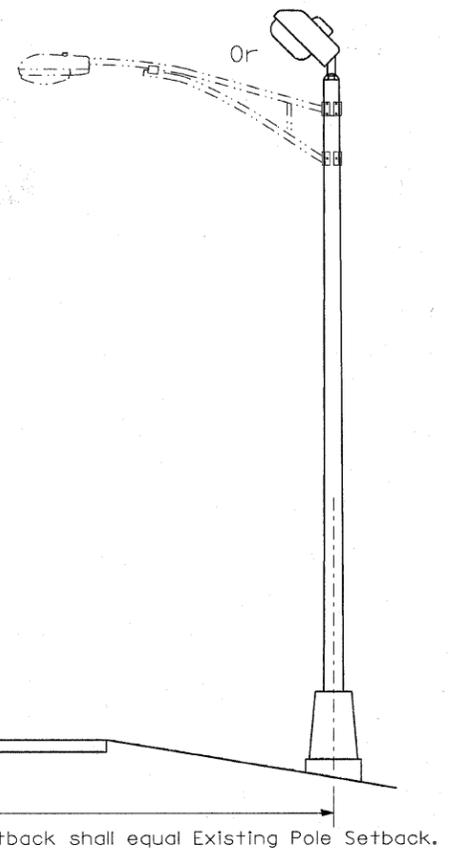
\*\*\* If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6).

CONCRETE FOUNDATION				
LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH*
9.1 m (30')	292 mm (11 1/2")	610mm (24")	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 mm (11 1/2")	610mm (24")	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 mm (15")	610mm (24")	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 mm (15")	610mm (24")	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 mm (15")	610mm (24")	2.13m (7'-0")	2.00 m (6'-9")

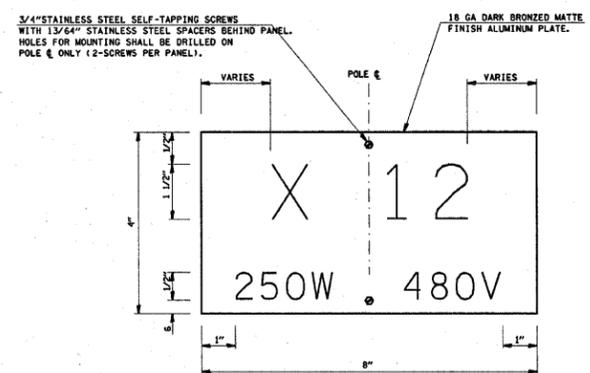
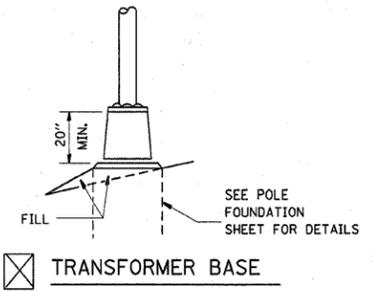
\* Length does not include 100 (4) hook  
 \*\* 220 mm x 2.44 m (8 5/8" x 8'-0") for Twin luminaires

Notes:  
 All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations and notify the engineer if other conditions are encountered.

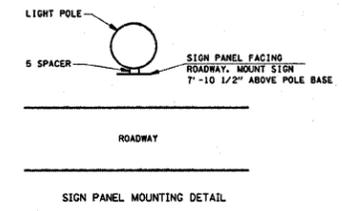
Notes:  
 Wireway may be on front, back, or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.  
 Top of schedule 40 PVC 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.  
 75 (3) Min. concrete cover on all steel  
 25 (1) Ø Steel anchor rod with 230 (9) of threads. See table for the required bolt circle diameter.  
 19 (3/4) - 45° Bevel Finished grade



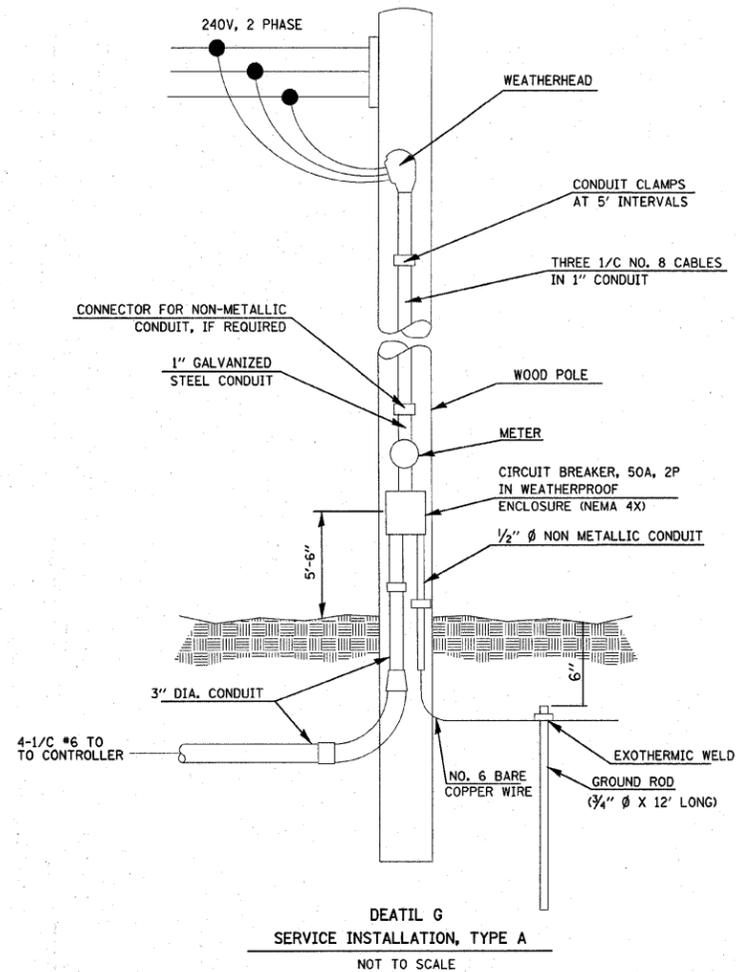
Exothermic ground clamp  
 16 mm x 3 m (5/8" x 10') Copper clad grounding electrode.



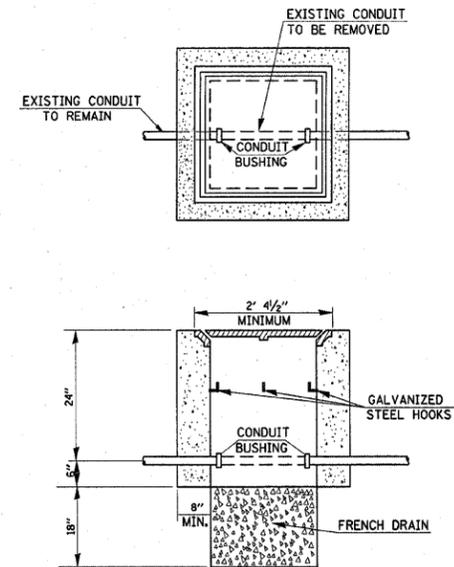
NOTE: ALL LETTERS AND NUMERALS SHALL BE SERIES C GOTHIC, NON-REFLECTIVE WHITE PREMIUM QUALITY ENAMEL.  
 SIGN INFORMATION SHALL BE IN ACCORDANCE WITH LIGHT POLE NUMBERING & WATTAGES SHOWN IN THE SCHEDULE.  
 ON BRIDGE PARAPET MOUNTED POLES, MOUNT ONE SIGN PANEL FACING ROADWAY 610 ABOVE POLE BASE.



"INSTALL AND ORIENT ARM BRACKET OVER POLE TENON AND FIRMLY HAND TIGHTEN THE TWO SET SCREWS. USE THIRD HOLE IN ARM BRACKET AS A GUIDE TO DRILL A 8.3 (3/4) DIAMETER HOLE THROUGH TENON. INSTALL AND TIGHTEN SELF-TAPPING SCREW. TIGHTEN SET SCREWS AN ADDITIONAL (1/4 TO 3/8) TURN WITH HEX KEY (NOT PROVIDED). INSTALL LOCKNUTS ON SET SCREWS IF THREADED PROJECTION ALLOWS."



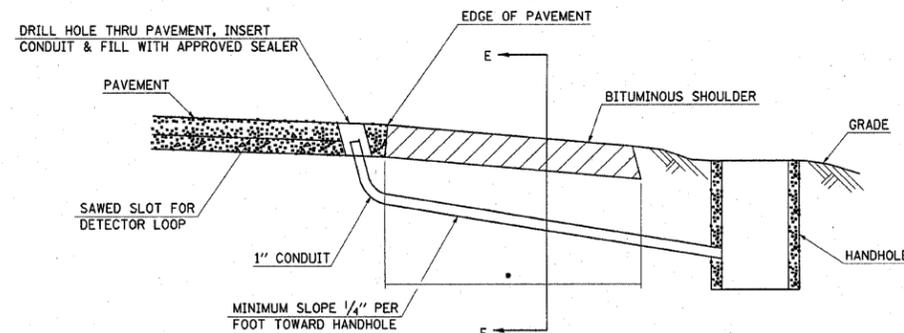
DEATIL G  
SERVICE INSTALLATION, TYPE A  
NOT TO SCALE



DETAIL I  
HANDHOLE TO INTERCEPT EXISTING CONDUIT \*  
\* NOT A PAY ITEM

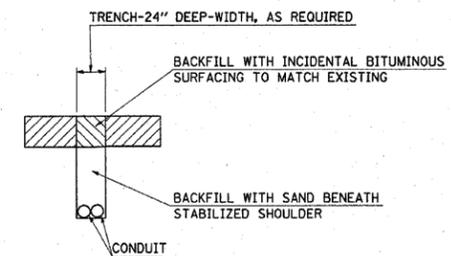
NOTES:

1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.
2. THE CONTRACTOR SHALL BE PAID TO LOCATE THE CONDUIT UNDER OTHER PROVISIONS OF THIS CONTRACT. SEE LOCATING UNDERGROUND CABLE IN THE STANDARD SPECIFICATIONS.



\* LIMITS OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)"

DETAIL H  
TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)  
(NO SCALE)

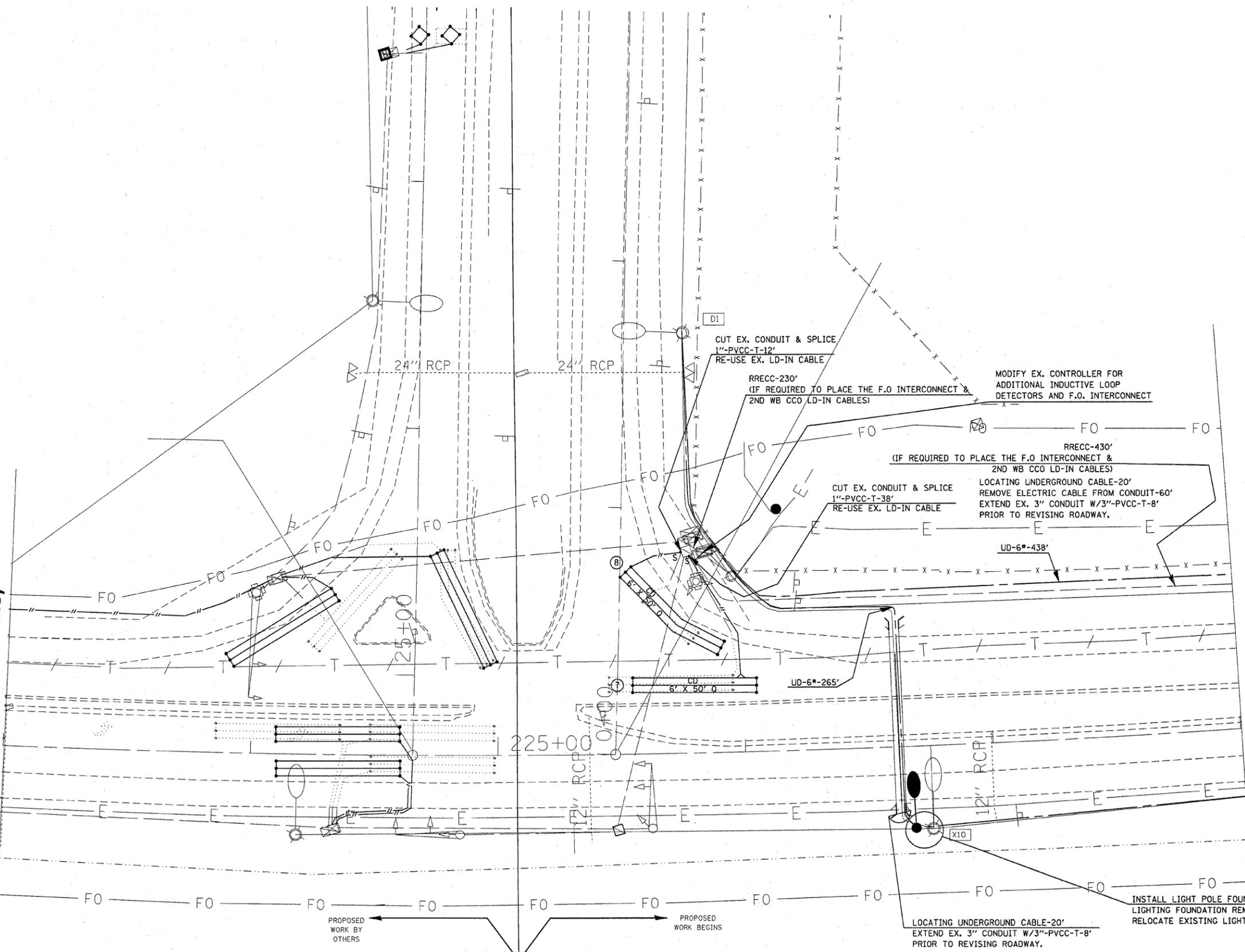


SEC. E-E

FILE NAME =	USER NAME = kepler-d	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et\projects\view\ed09707\electrical\sp109707a.dgn	DRAWN -	REVISED -	9111			73-15TS	MADISON	64	38	
PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76B22							
PLOT DATE = 3/17/2008	DATE -	REVISED -	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							
SCALE: _____					SHEET NO. 4 OF 9 SHEETS		STA. _____ TO STA. _____			

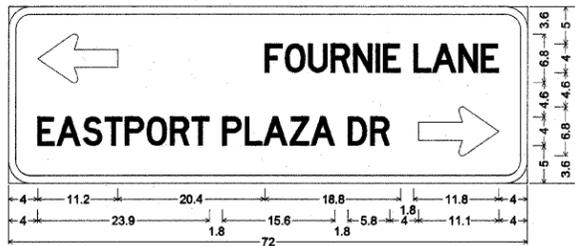


MATCHLINE STA. 223+00  
(PROPOSED WORK BY OTHERS)

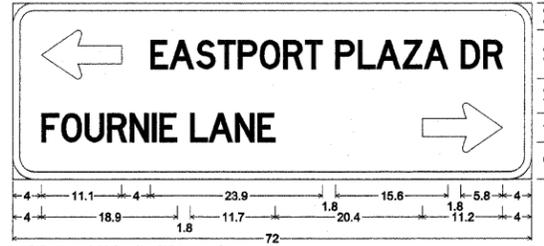


MATCHLINE STA. 228+00

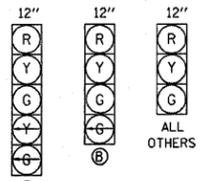
FILE NAME = c:\projects\view\ad9707\electrical\topl	USER NAME = keplerc1 09707a.dgn	DESIGNED - --- DRAWN - ---	REVISED - --- REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-255 RAMPS 3 &amp; 4 LIGHTING AND TRAFFIC SIGNAL PLAN</b>			F.A.U. RTE. 9111	SECTION 73-15TS	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 39			
	PLOT SCALE = 20,0000' / IN. PLOT DATE = 3/17/2008	CHECKED - --- DATE - ---	REVISED - --- REVISED - ---					CONTRACT NO. 76B22							
								SCALE: _____	SHEET NO. 5 OF 9 SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



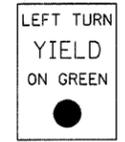
3.0" Radius, 1.0" Border, White on Green;  
Standard Arrow Custom 11.1" X 6.8" 180°; [FOURNIE LANE] D 45% spacing;  
[EASTPORT PLAZA DR] D 45% spacing; Standard Arrow Custom 11.1" X 6.8" 0°;  
**STREET NAME SIGN**  
DETAIL E  
NOT TO SCALE



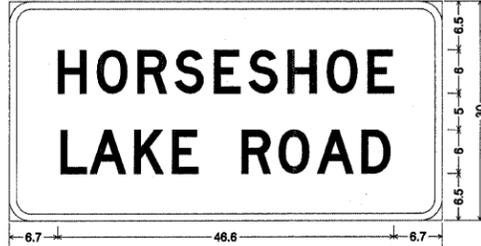
3.0" Radius, 1.0" Border, White on Green;  
Standard Arrow Custom 11.1" X 6.8" 180°; [EASTPORT PLAZA DR] D 45% spacing;  
[FOURNIE LANE] D 45% spacing; Standard Arrow Custom 11.1" X 6.8" 0°;  
**STREET NAME SIGN**  
DETAIL F  
NOT TO SCALE



PROPOSED TRAFFIC SIGNAL FACES



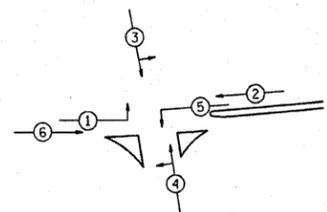
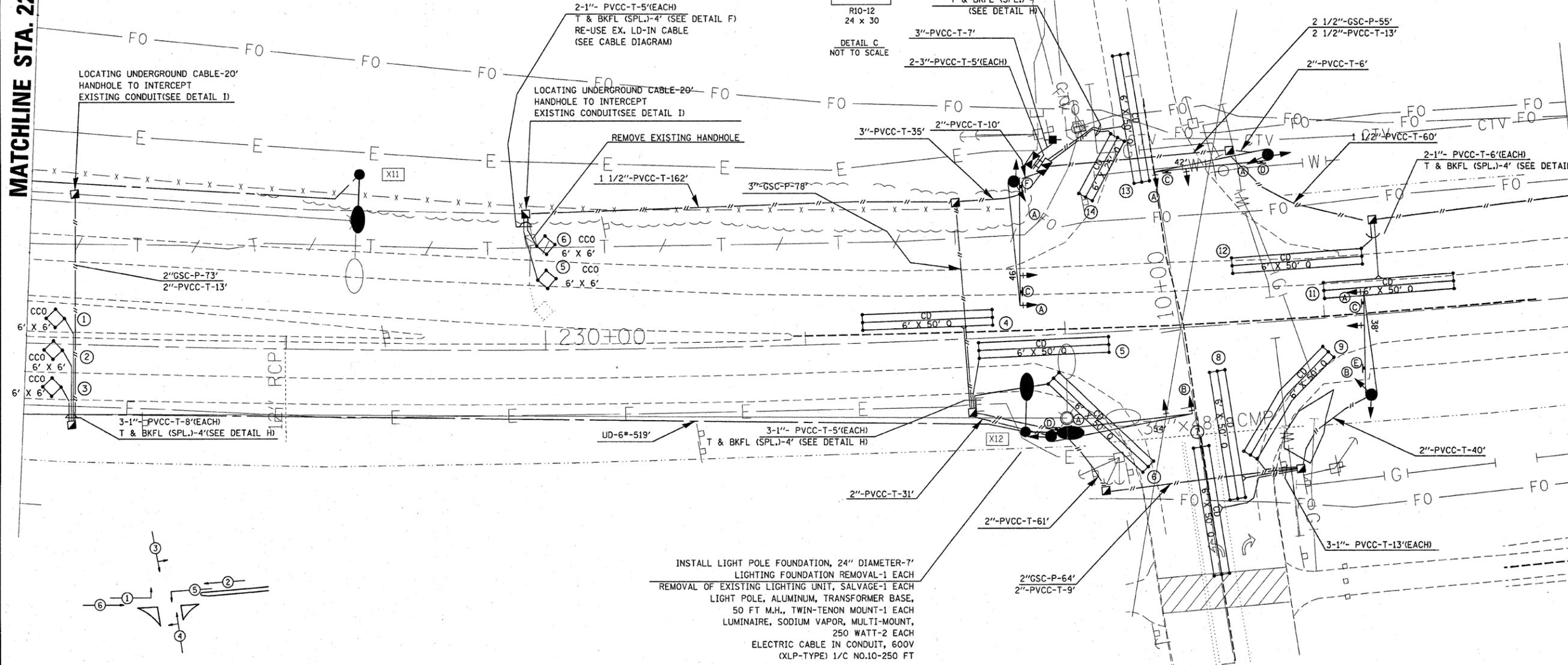
LEFT TURN YIELD ON GREEN  
R10-12  
24 X 30  
DETAIL C  
NOT TO SCALE



3.0" Radius, 1.0" Border, White on Green;  
[HORSESHOE] D; [LAKE ROAD] D;  
**STREET NAME SIGN**  
DETAIL D  
NOT TO SCALE

MATCHLINE STA. 228 + 00

MATCHLINE STA. 234 + 00



PHASE DESIGNATION DIAGRAM

FULL-ACTUATED CONTROLLER TYPE IV CABINET W/ TRANSCEIVER

PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↔	↔	→	→	NOT	NOT
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2	USED	USED

FILE NAME =	USER NAME = keplarc1	DESIGNED -	REVISED -
et\projects\view\ed09707\electrical\tep109707.dgn		DRAWN -	REVISED -
PLOT SCALE = 28.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/17/2008		DATE -	REVISED -

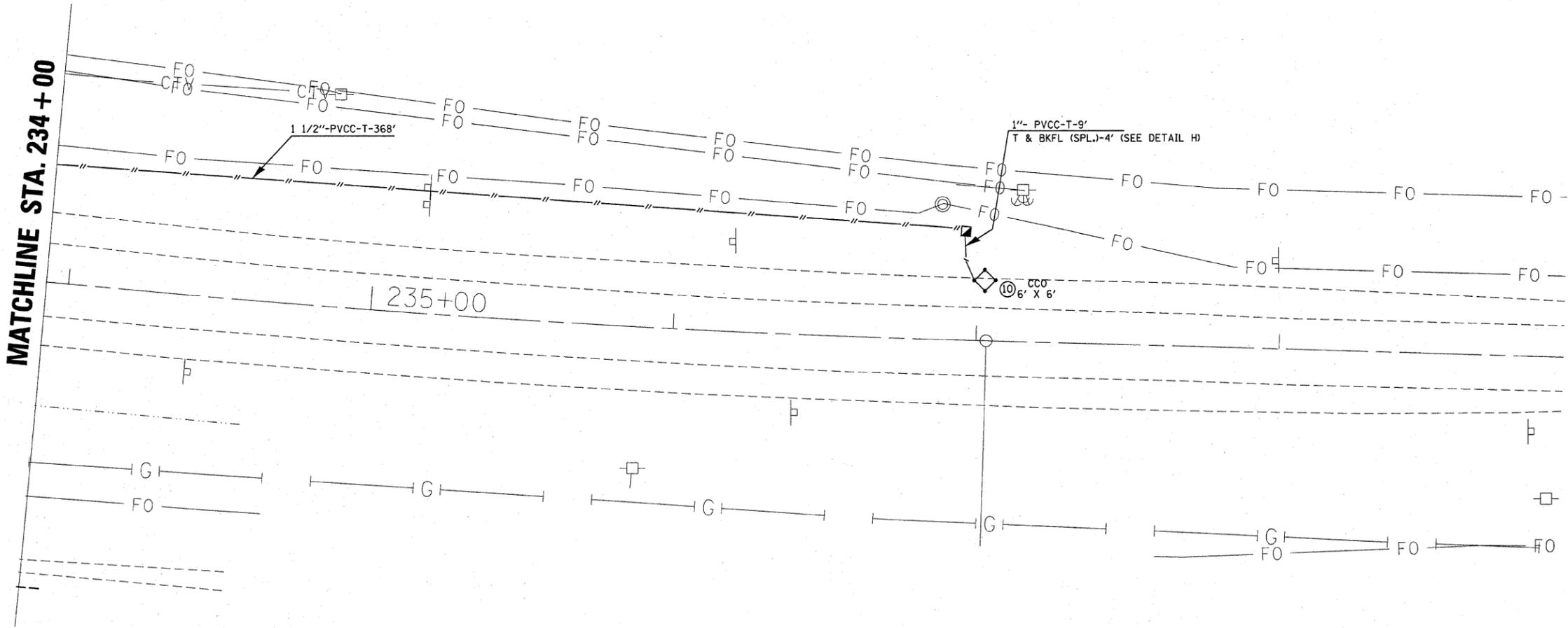
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EASTPORT PLAZA DRIVE /FOURNIE LANE  
LIGHTING AND TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. 6 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	40
CONTRACT NO. 76B22				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 234+00



FILE NAME =	USER NAME = keplerc1	DESIGNED - ---	REVISED - ---
ct\projects\view\ed09707\electrical\topl	09707.e.dgn	DRAWN - ---	REVISED - ---
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	PLOT DATE = 3/17/2008	DATE - ---	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EASTPORT PLAZA DRIVE /FOURNIE LANE  
LIGHTING AND TRAFFIC SIGNAL PLAN**

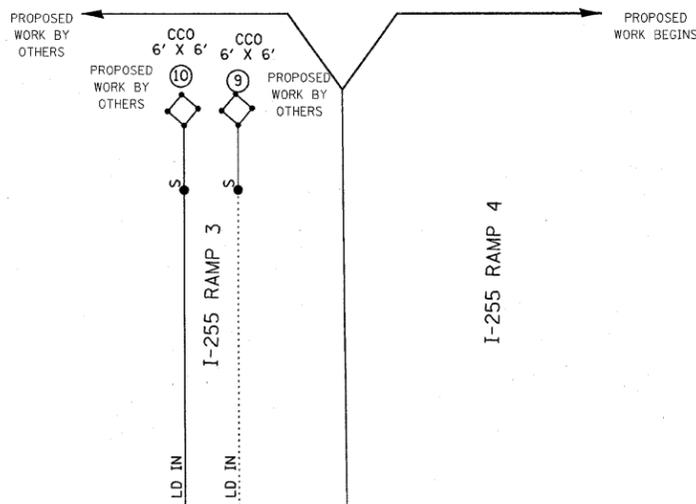
SCALE: \_\_\_\_\_ SHEET NO. 7 OF 9 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	41
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76B22				

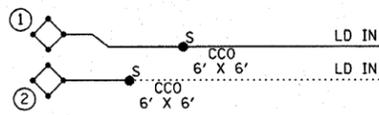


**CABLE DIAGRAM LEGEND**

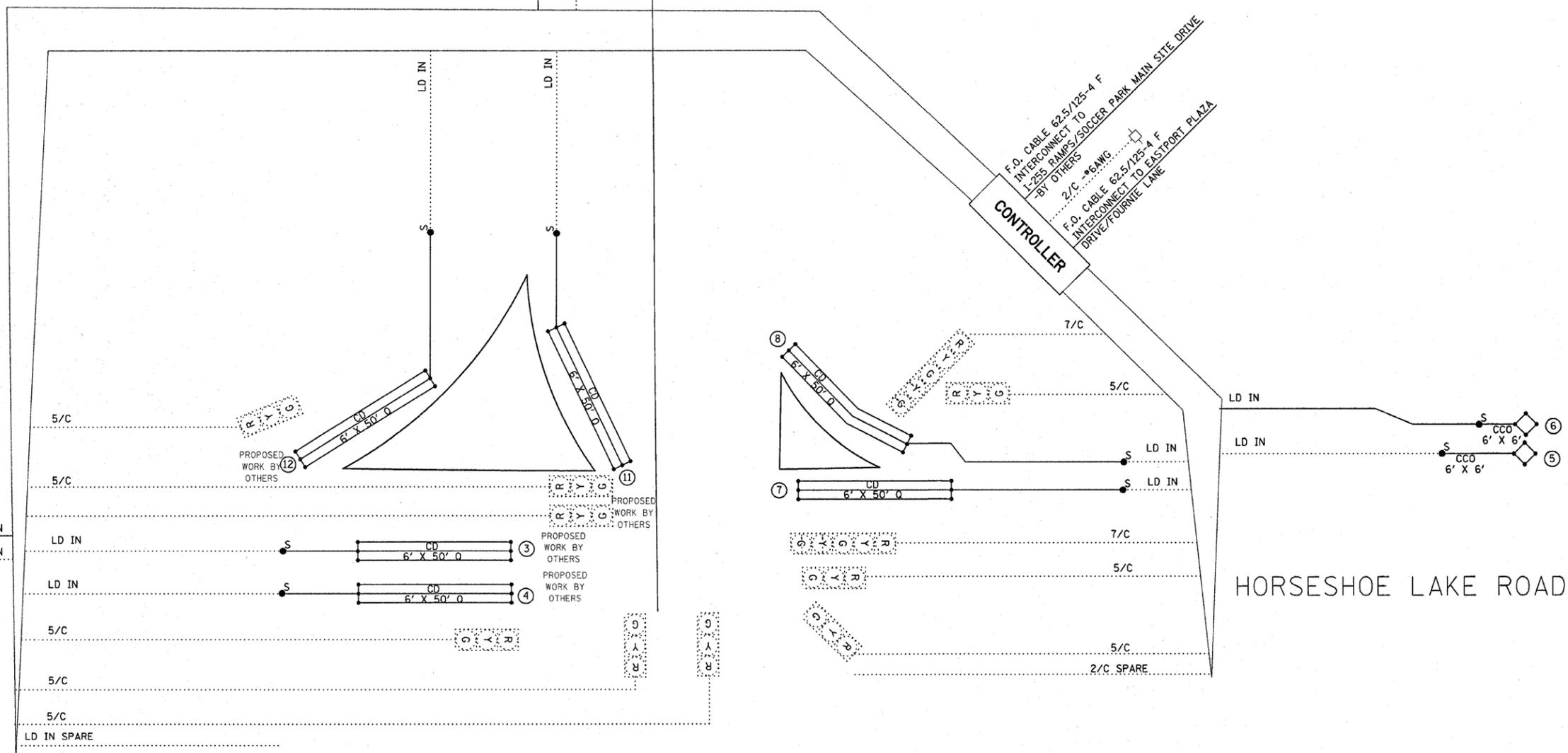
- ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- LD IN ELECTRIC CABLE LEAD-IN, 1 PAIR
- CD CALL DELAY
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- SERVICE INSTALLATION
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS



PROPOSED WORK BY OTHERS



PROPOSED WORK BY OTHERS



FILE NAME =	USER NAME = keplars1
ct:\projects\view\ed\9707\electrical\tep1\9707e.dgn	
PLOT SCALE = 28.0000' / IN.	
PLOT DATE = 3/17/2008	

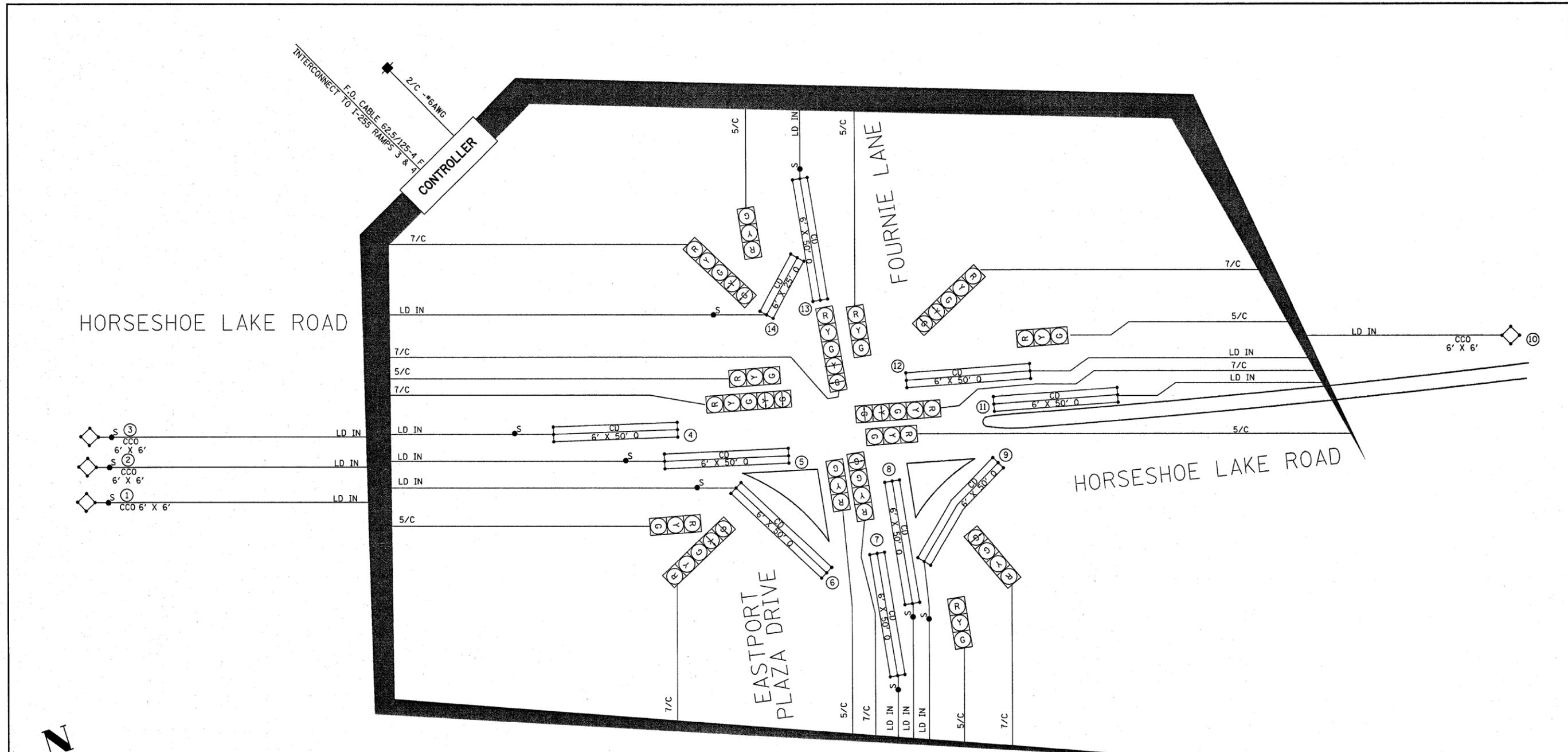
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-255 RAMPS 3 & 4 CABLE DIAGRAM**

SCALE: SHEET NO. 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	42
CONTRACT NO. 76B22				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



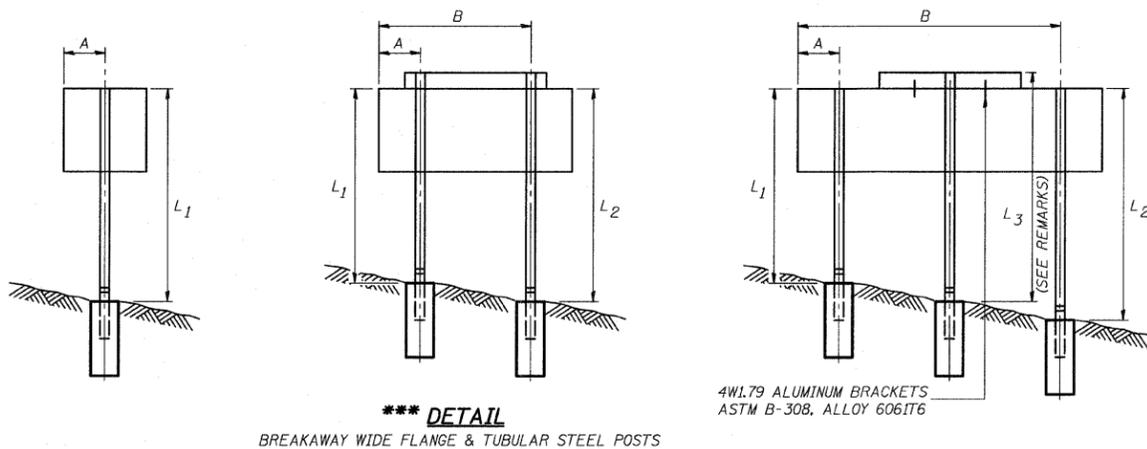
- CABLE DIAGRAM LEGEND**
- ELECTRIC CABLE IN CONDUIT
  - - - EXISTING ELECTRIC CABLE IN CONDUIT
  - S CABLE SPLICE (SEE GENERAL NOTES)
  - 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
  - LD IN ELECTRIC CABLE LEAD-IN, 1 PAIR
  - CD CALL DELAY
  - CCO CALL CARRY OVER (SEE GENERAL NOTES)
  - SERVICE INSTALLATION
  - \*6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS

FILE NAME =	USER NAME = kepler01	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EASTPORT PLAZA DRIVE /FOURNIE LANE CABLE DIAGRAM</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\projects\view\ed09707\electrical\tepl09707.dgn		DRAWN -	REVISED -		9111	73-15TS	MADISON	64	43		
		CHECKED -	REVISED -		CONTRACT NO. 76B22						
		DATE -	REVISED -		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						
					SCALE: _____	SHEET NO. 9 OF 9 SHEETS	STA. _____ TO STA. _____				

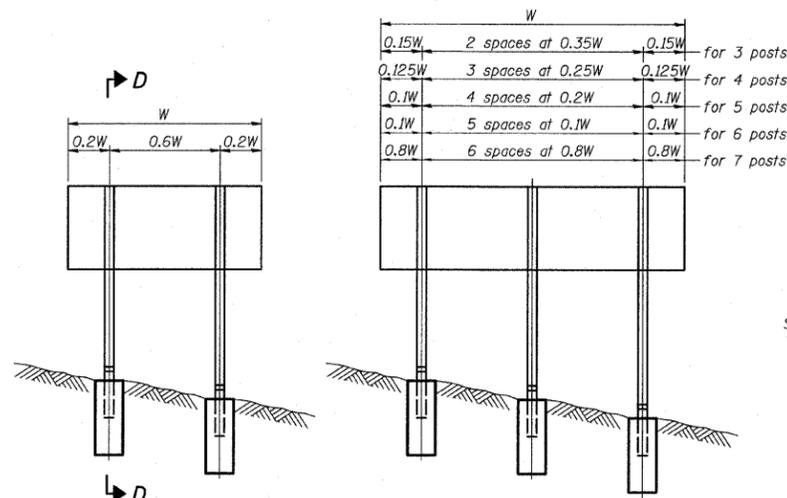
SIGN PANEL SCHEDULE														
LOCATION	PROPOSED OFFSET *	SIGN WIDTH	DEPTH	NUMBER OF POSTS	POST TYPE AND SIZE **	A ***	B ***	L1 ***	L2 ***	REMOV SIGN PANEL T3 (SQ FT)	RELOC SIGN PANEL T3 (SQ FT)	STR STL SUP BA (POUND)	CONC FOUNDATION (CU YD)	COMMENTS
<b>HORSESHOE LAKE ROAD</b>														
LT. STA. 226+20	30.0'	12	12	2	W10x26	2.4	9.6	20'-11"	21'-4"	144	144	1244	2.5	EXISTING SIGN PANEL
RT. STA. 230+60	18.0'	10	10	2	W10x26	2	8	24'-2"	24'-10"	100	100	1419	2.5	EXISTING SIGN PANEL
LT. STA. 235+16	20.0'	10	10	2	W10x22	2	8	20'-5"	20'-9"	100	100	1029	2.4	EXISTING SIGN PANEL
<b>TOTAL</b>										<b>344</b>	<b>344</b>	<b>3692</b>	<b>7.4</b>	

\* OFFSET MEASURED FROM EDGE OF PAVEMENT TO NEAR EDGE OF SIGN PANEL

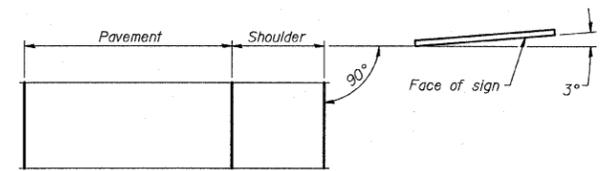
\*\* W: BREAKAWAY WIDE FLANGE  
TS: BREAKAWAY TUBULAR STEEL



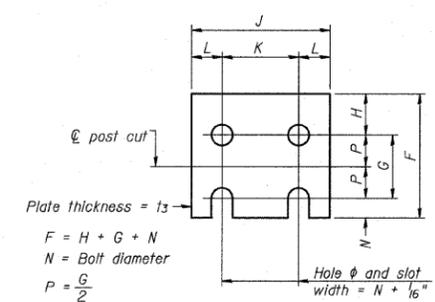
FILE NAME = H:\P\25004\Technical Production\Civil\W07	USER NAME = #USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BREAK-AWAY WIDE FLANGE STEEL SIGN POST SCHEDULE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7\Microstation\signoo2.dgn	DRAWN -	REVISED -	9111			73-15TS	MADISON	64	44	
PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76B22							
PLOT DATE = 3/14/2008	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO. 1 OF 3 SHEETS		STA.	TO STA.	



**ELEVATION**

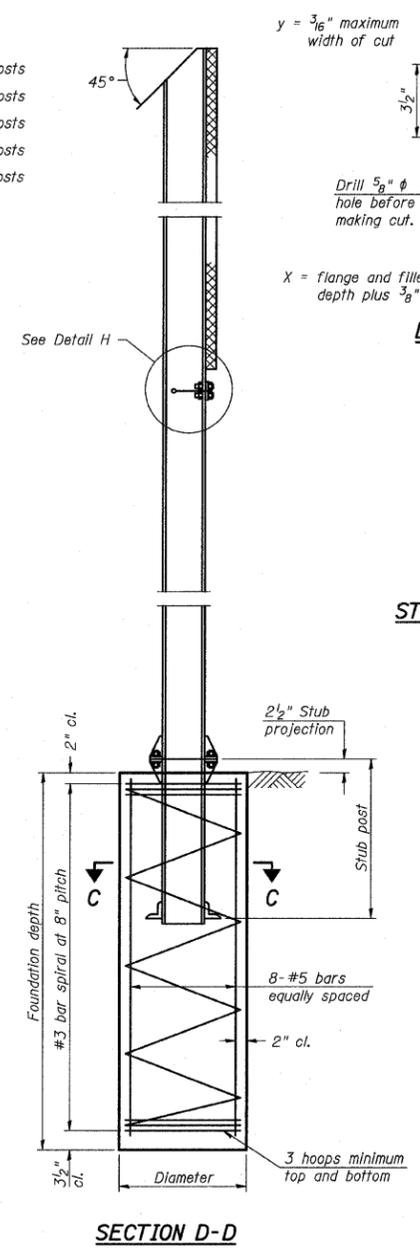


**LOCATION SKETCH**

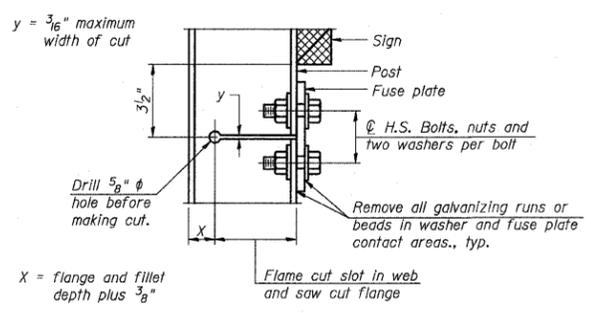


**FUSE PLATE DETAIL**  
(Install with notches down.)

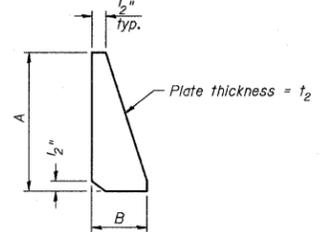
FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



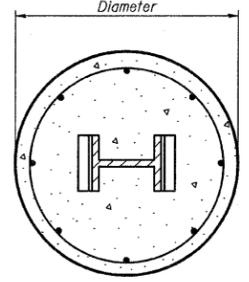
**SECTION D-D**



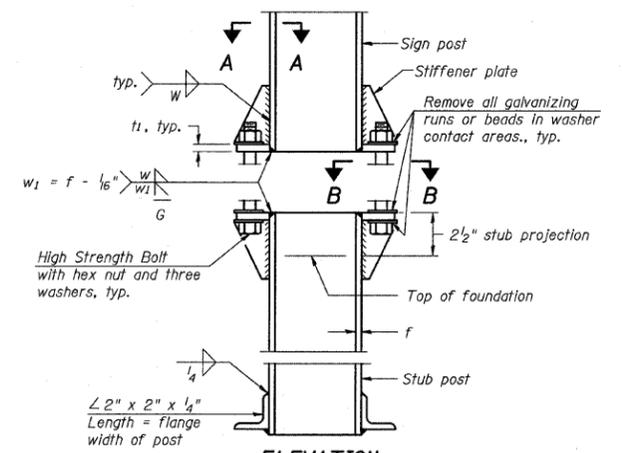
**DETAIL H**



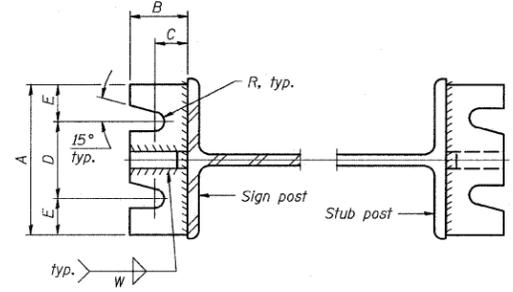
**STIFFENER PLATE DETAIL**  
(See table for dimensions.)



**SECTION C-C**

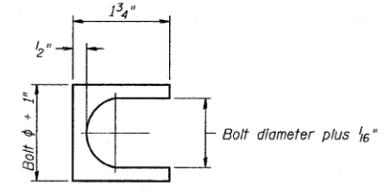


**ELEVATION SIGN POST & STUB POST**



**SECTION A-A**

**SECTION B-B**



**SHIM DETAIL**

**GENERAL NOTES**

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:  
Structural steel - 20,000 p.s.i.  
Reinforcing steel - 20,000 p.s.i.  
Concrete - 1,400 p.s.i.  
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

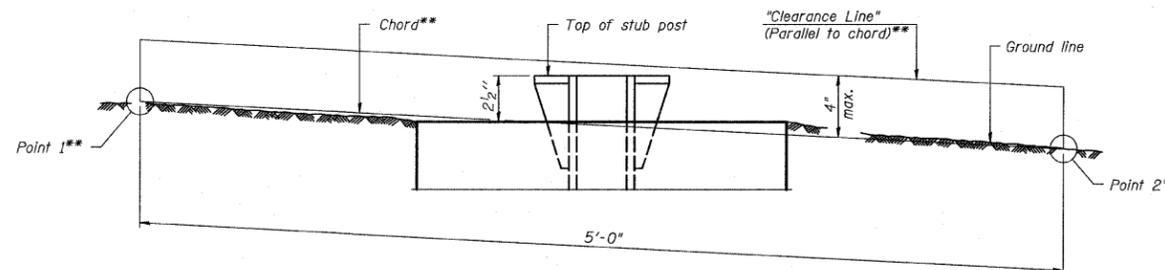
NUMBER	REVISION	DATE

BAW-A-1 6/01/2007

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA				
	Foundation			Reinforcement			Stub Post	Bolt Size	A	B	C	D	E	t <sub>1</sub>	t <sub>2</sub>	R	W	J	K	L	t <sub>3</sub>	
	Diameter	Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1 1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1 1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	11/32"	5/8"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	11/32"	5/8"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	11/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	11/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	11/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	11/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	11/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

\*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																					
	Sign Height																					
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---					
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---					
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	---	---	---	---	---	---	---	---							
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	---	---	---	---	---	---	---								
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	---	---	---	---	---	---									
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	---	---	---	---	---										
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"								
W16x45	---	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2 1/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"								



**ELEVATION  
GROUND LINE & STUB POST**

\*\* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

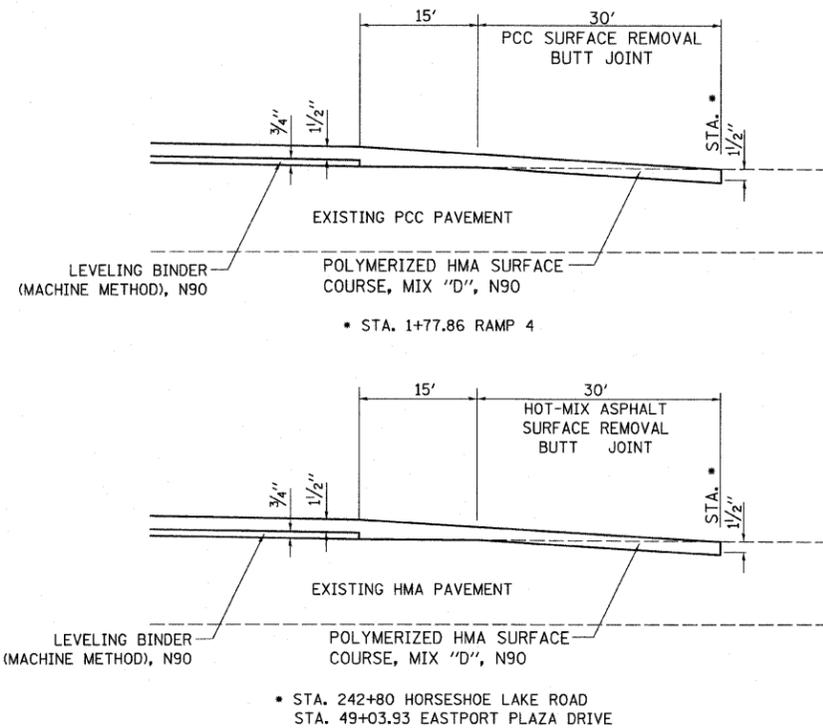
- (1) Quantity includes all concrete necessary for one foundation.
- (2) Includes reinforcement bars and spiral hooping for one foundation.

NUMBER	REVISION	DATE

BAW-A-2

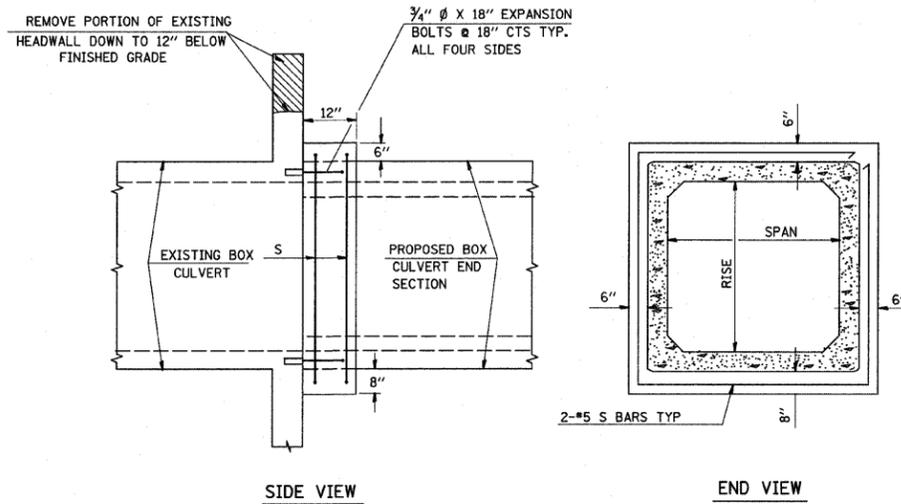
6/01/2007

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PLOT SCALE = 10.0000' / IN.	PLOT DATE = 3/14/2008	DRAWN -	REVISED -			SCALE:	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 76B22			
		CHECKED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									



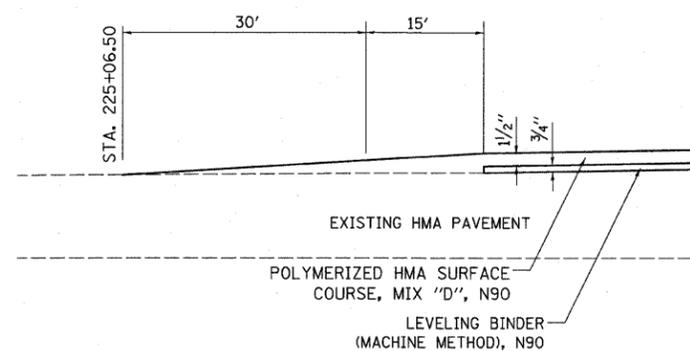
**BUTT JOINT DETAIL**

**DETAILS OF CONCRETE COLLAR FOR BOX CULVERT**



SPAN X RISE	CL. SI CONC. CU. YD. (EST.)
2' X 2'	0.26
3' X 2'	0.30
3' X 3'	0.34
4' X 2'	0.36
4' X 3'	0.39
4' X 4'	0.43
5' X 2'	0.41
5' X 3'	0.45
5' X 4'	0.49
6' X 2'	0.47
6' X 3'	0.51
6' X 4'	0.54

- GENERAL NOTES:**
- CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
  - CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.



**TEMPORARY TAPER DETAIL**

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
H:\NP\25004\Technical Production\Civil\W07	7\Microstation\Detoe2.dgn	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/14/2008		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

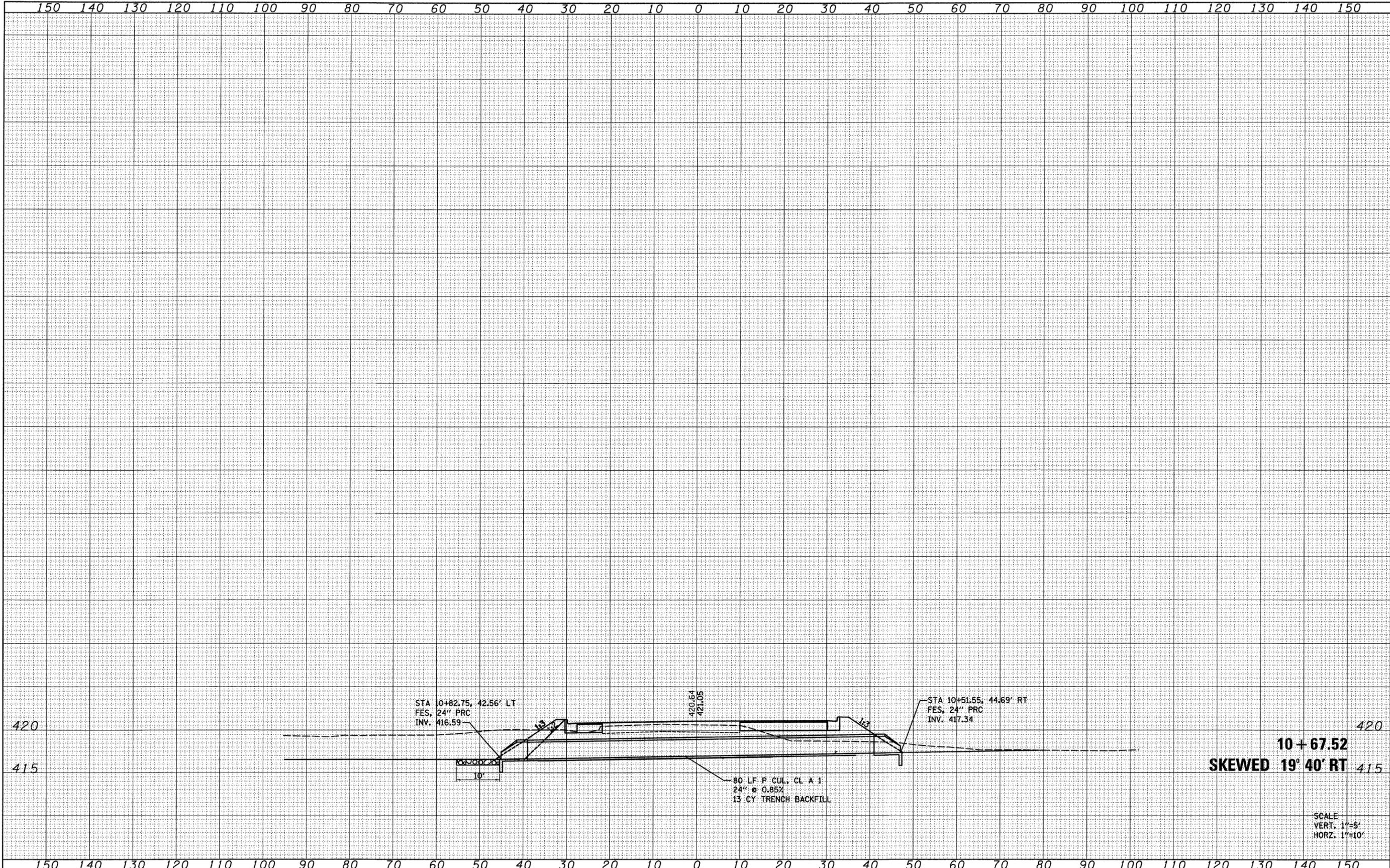
**DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	73-15TS	MADISON	64	47
CONTRACT NO. 76B22				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
FINISHED	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
BY	
ORIGINAL	
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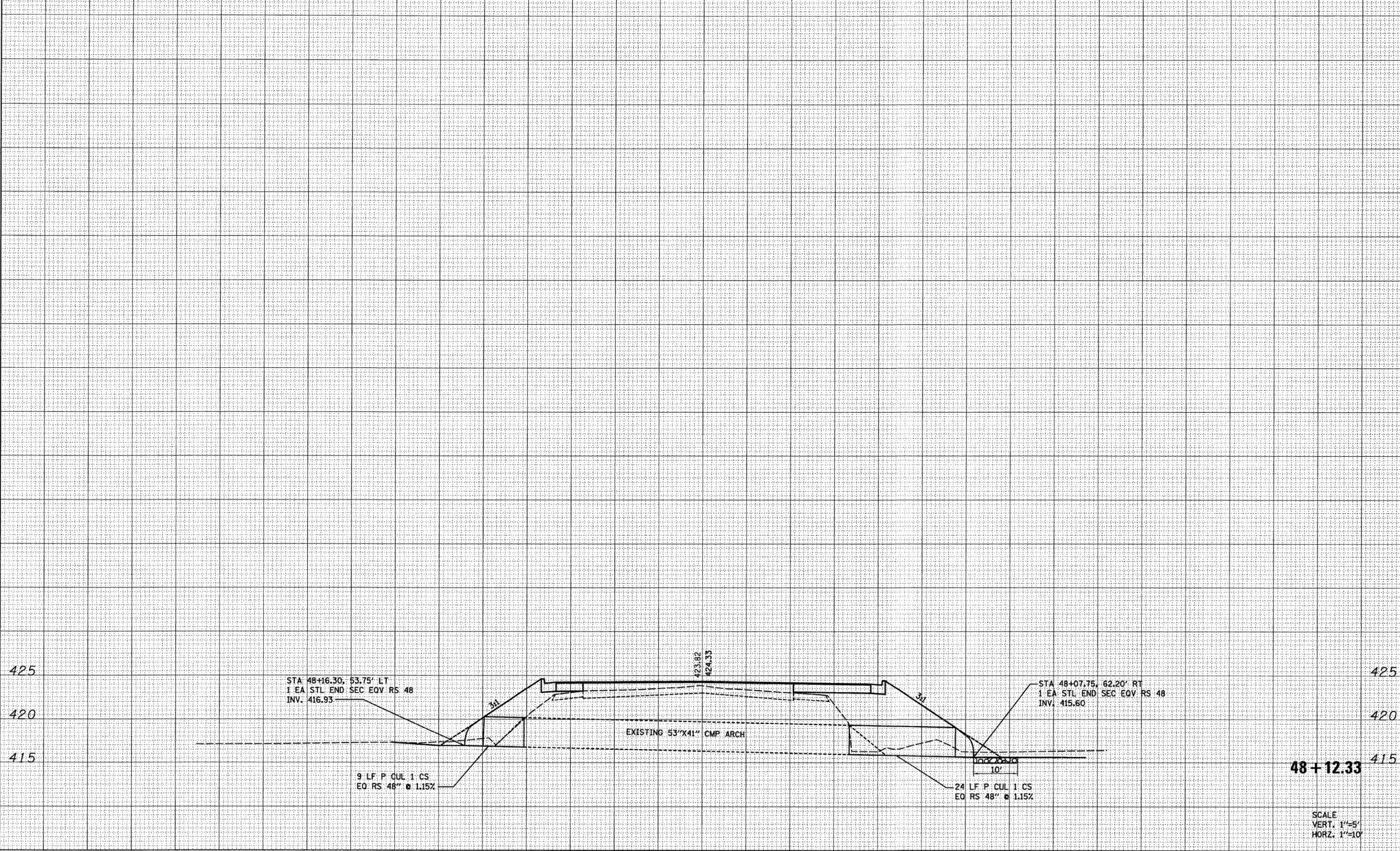


FILE NAME -	USER NAME - #USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>FOURNIE LANE CULVERT SECTION</b>	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
H:\P\25024\Technical Production\Civil\W017\Microstation\sshtfour02.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -			9111	75-15TS	MADISON	64	48	
PLOT DATE = 3/14/2008	DATE -	CHECKED -	REVISED -			CONTRACT NO. 76B22					
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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



48+12.33

SCALE  
VERT. 1"=5'  
HORIZ. 1"=10'

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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DESIGNED -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EASTPORT PLAZA DRIVE CULVERT SECTION

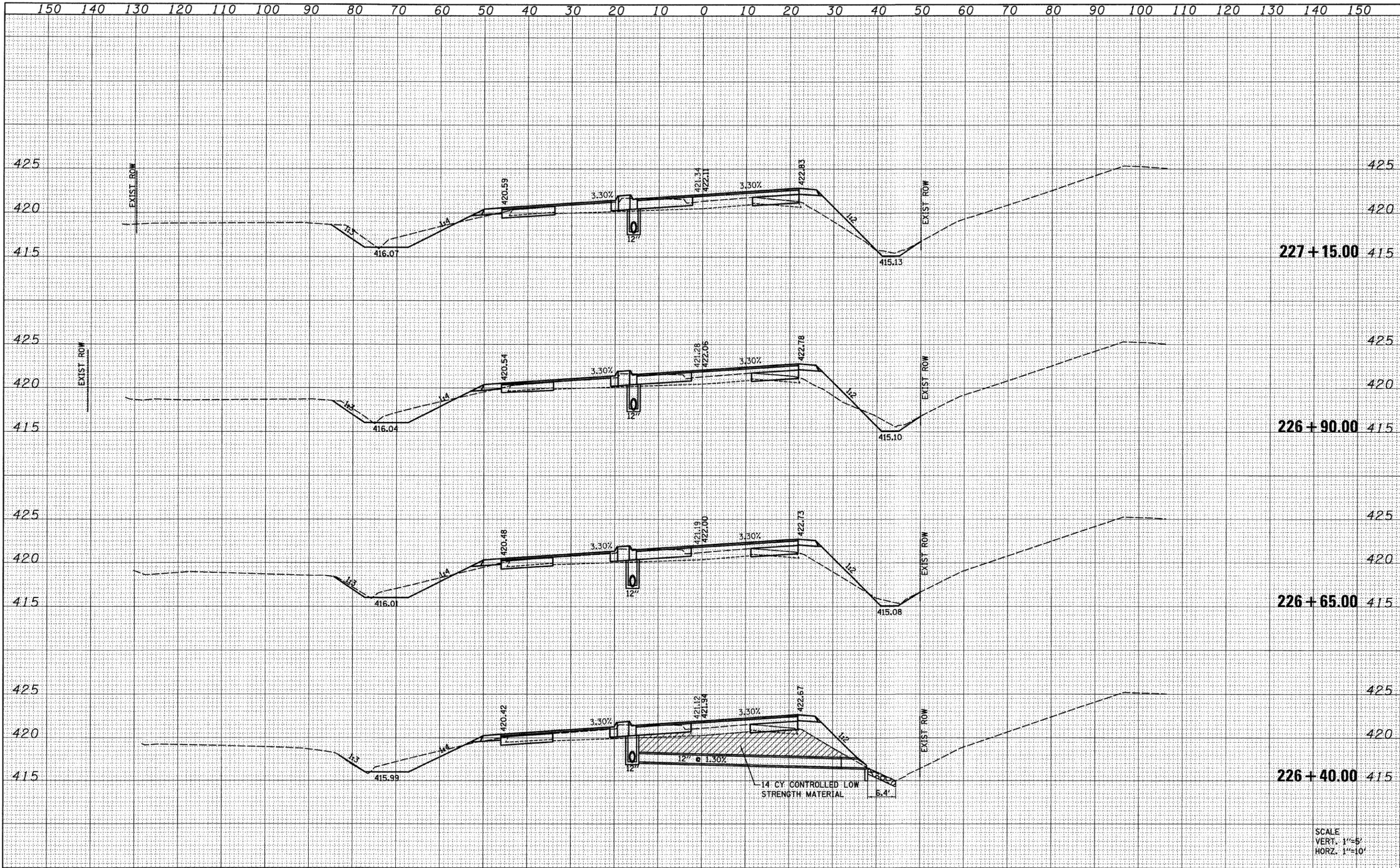
SCALE: SHEET NO. 1 OF SHEETS STA. 48+12.33 TO STA. 49+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9111	75-15TS	MADISON	64	49
CONTRACT NO. 76B22				

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

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

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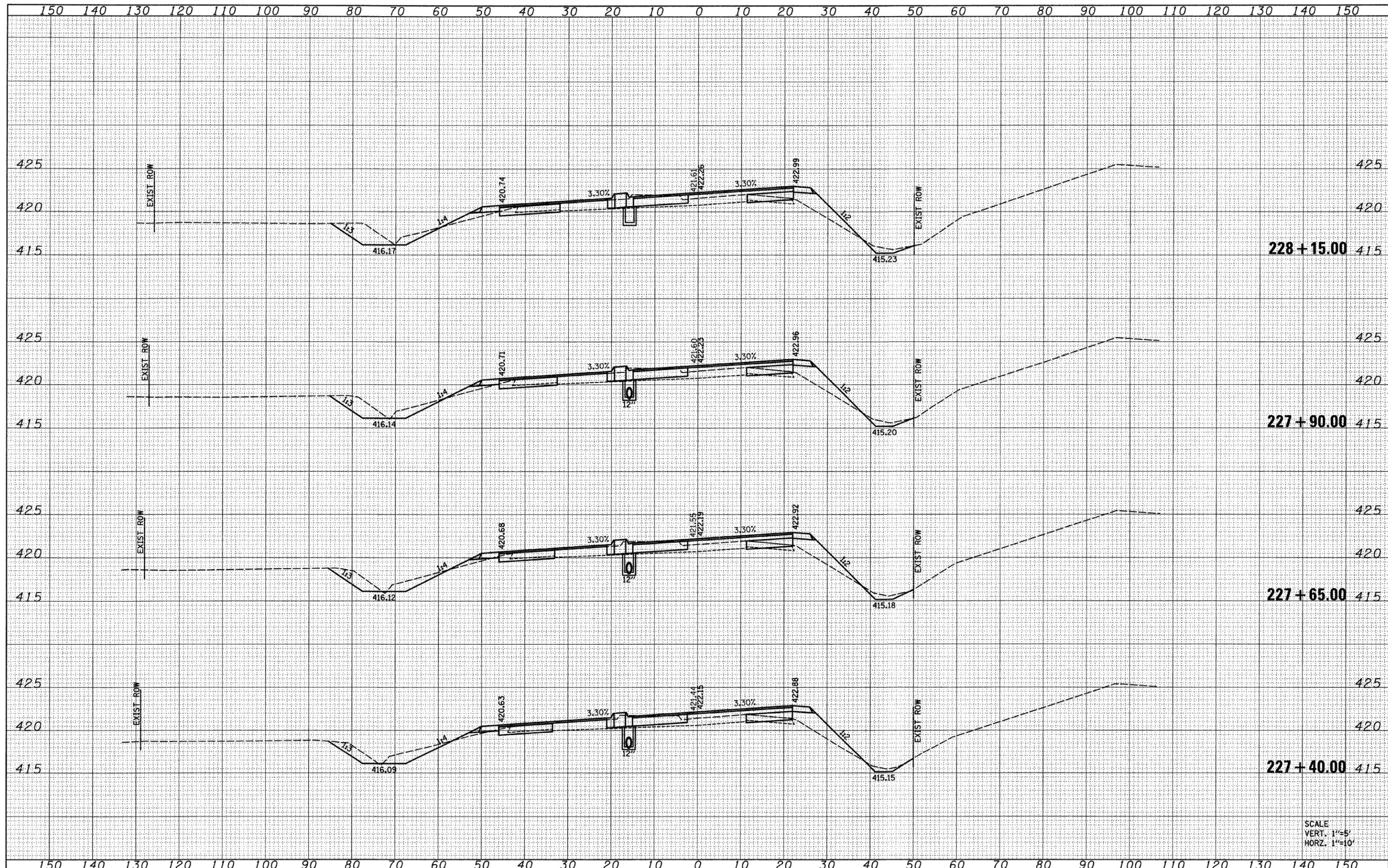


SCALE  
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HORZ. 1"=10'

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PLOT SCALE = 10.0000' / IN.	PLOT DATE = 3/14/2008	DRAWN -	REVISED -				9111	73-15TS	MADISON	64	50		
		CHECKED -	REVISED -				CONTRACT NO. 76B22						
		DATE -	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

FINAL SURVEY	DATE
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REVISIONS	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
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REVISIONS	BY
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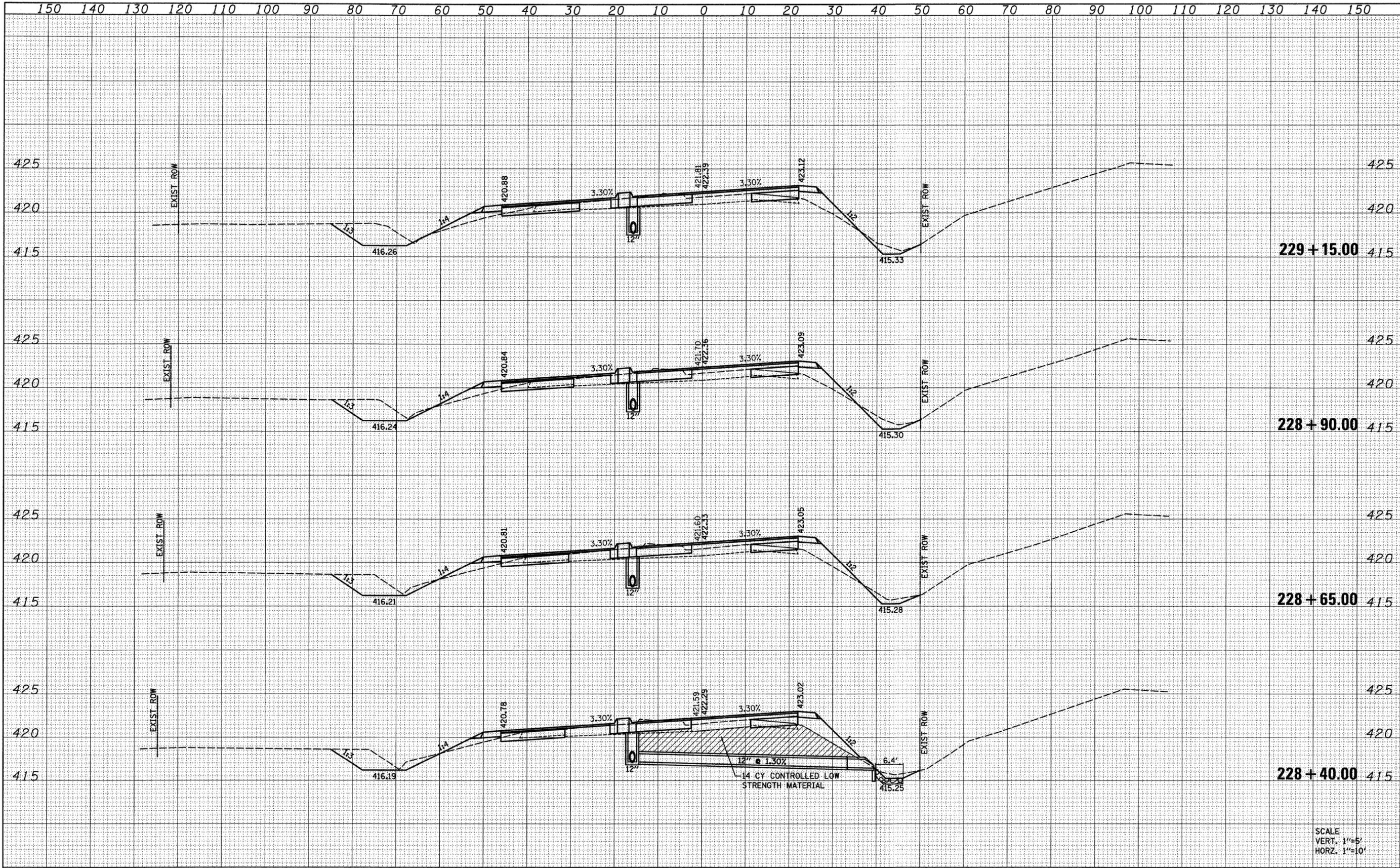


SCALE  
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HORZ. 1"=10'

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	station\sshtml\010a2.dgn	DRAWN -	REVISED -					9111	73-15TS	MADISON	64	51
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	PLOT DATE = 3/14/2008	DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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	AREAS		
	CHECKED		

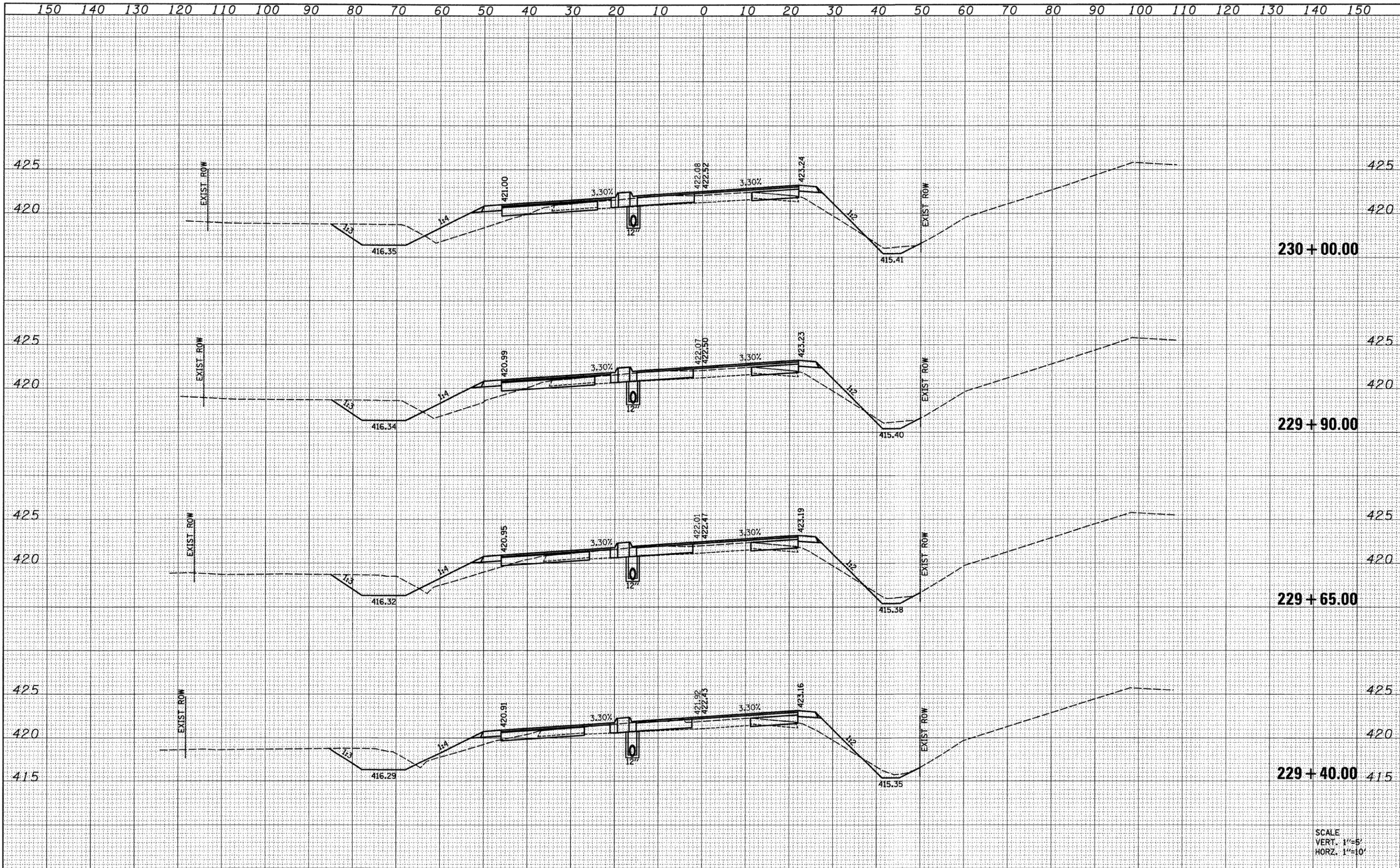


SCALE  
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PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: SHEET NO. 3 OF 5 SHEETS	STA. 228+40.00 TO STA. 229+15.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76B22		
PLOT DATE = 3/14/2008	DATE -	REVISED -	REVISED -								

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

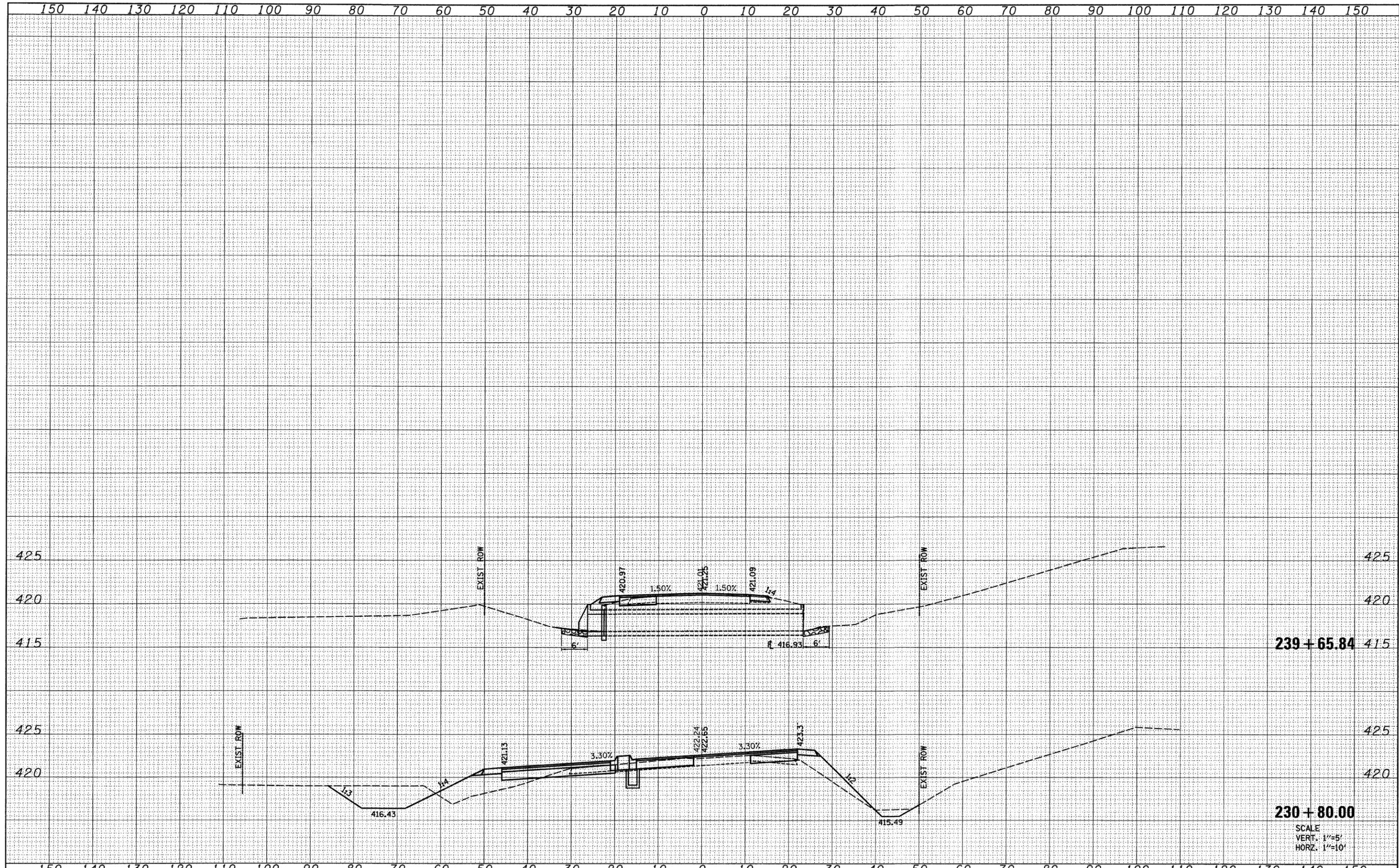


SCALE  
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HORZ. 1"=10'

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	station\kashmtloulo2.dgn	DRAWN -	REVISED -		9111	73-15TS	MADISON	64	53			
	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 76B22			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
	PLOT DATE = 3/14/2008	DATE -	REVISED -		SCALE:	SHEET NO. 4 OF 5 SHEETS	STA. 229+40.00 TO STA. 230+00.00					

DATE	
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NOTE BOOK	
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239 + 65.84

230 + 80.00

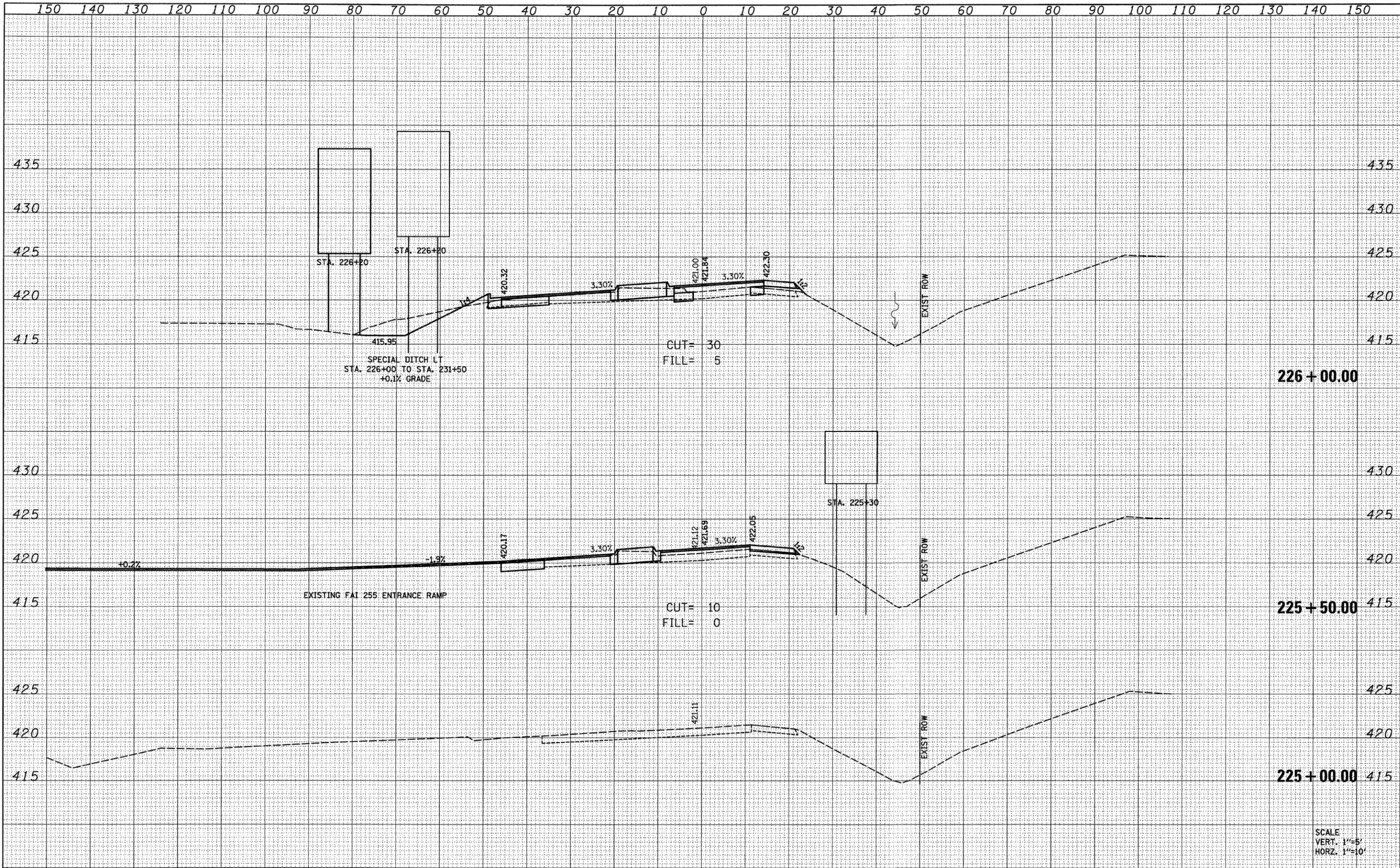
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HORZ. 1"=10'

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H:\P\25004\Technical Production\Civil\W017\Mapstation\sshtmlcoul02.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -			9111	73-15TS	MADISON	64	54
PLOT DATE = 3/14/2008	DATE -	CHECKED -	REVISED -			CONTRACT NO. 76B22				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 5 OF 5 SHEETS STA. 239+65.584 TO STA. 239+65.84

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PLOTTED	
TEMPLATE	
AREAS	
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FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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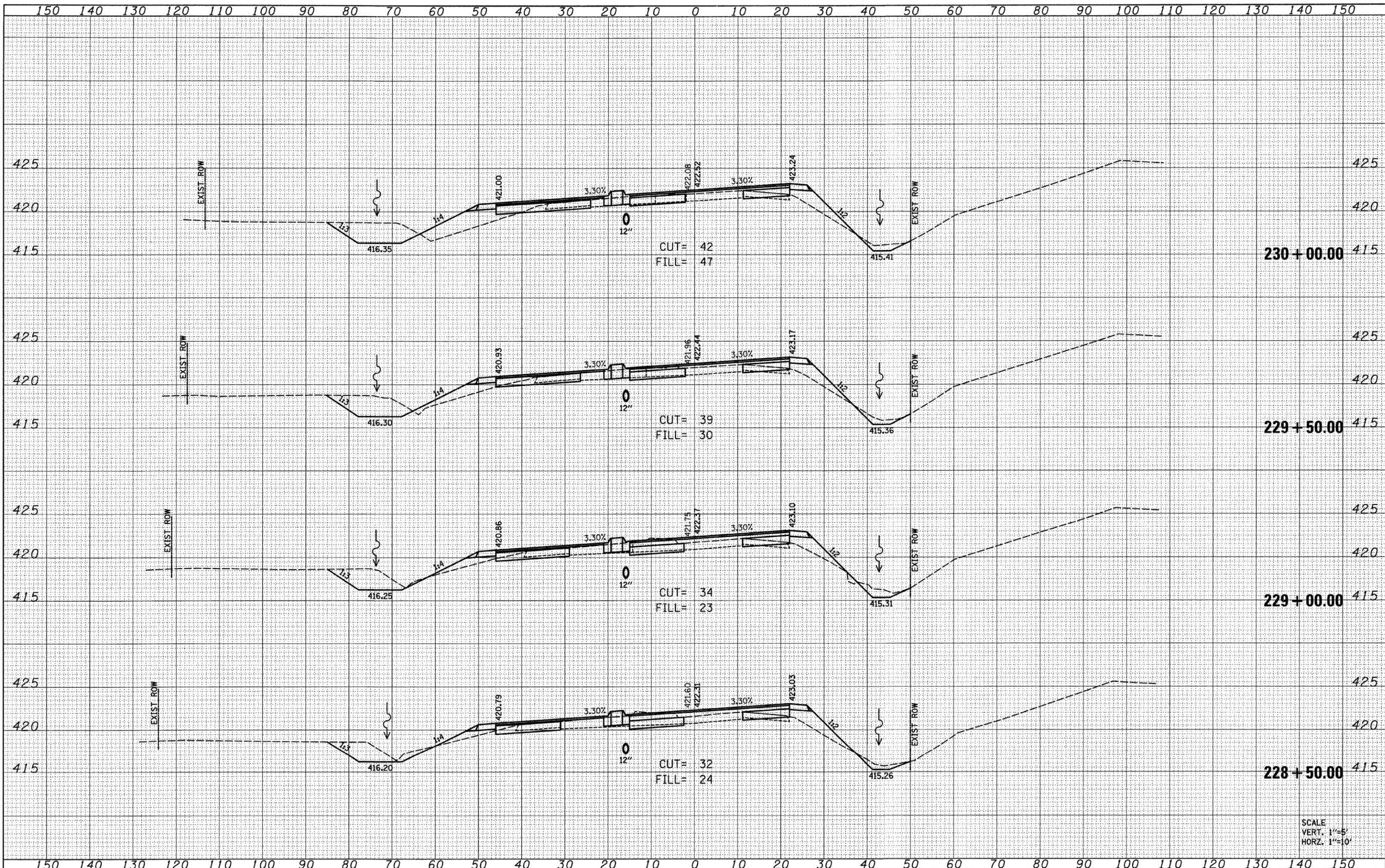
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PLOT SCALE = 10.0000' / IN.		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 10 SHEETS	STA. 225+00.00 TO STA. 226+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76B22		
PLOT DATE = 3/14/2008		CHECKED -	REVISED -									
		DATE -	REVISED -									



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NOTE BOOK	
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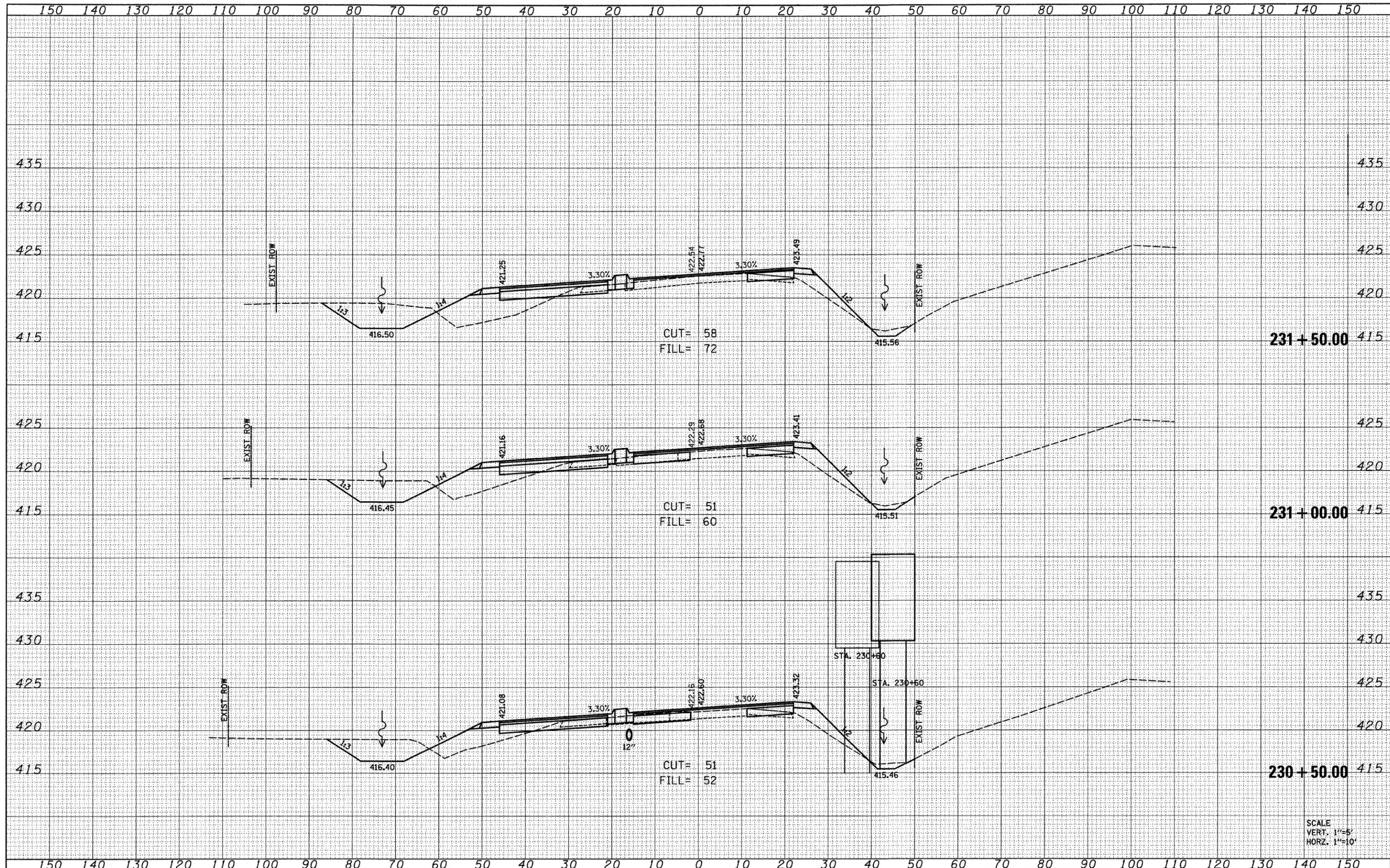


SCALE  
VERT. 1"=5'  
HORZ. 1"=10'

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	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. 3 OF 10 SHEETS	STA. 228+50.00 TO STA. 230+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76B22	
	PLOT DATE = 3/14/2008	CHECKED -	REVISED -									
		DATE -	REVISED -									

DATE	
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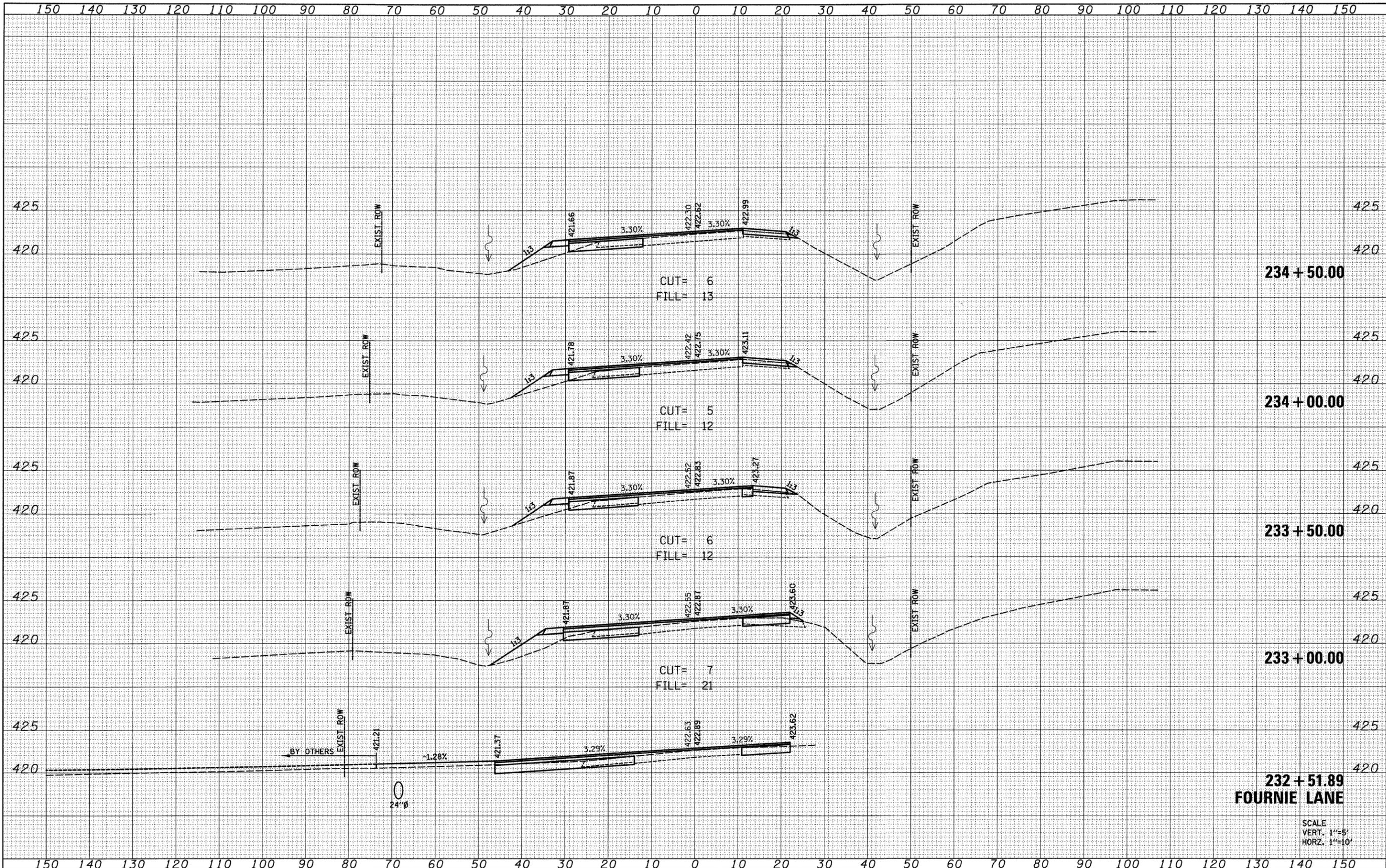
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PLOT SCALE = 10.0000' / IN.	PLOT DATE = 3/14/2008	DRAWN -	REVISED -		SCALE:	SHEET NO. 4 OF 10 SHEETS	STA. 230+50.00 TO STA. 231+50.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 76822		
		CHECKED -	REVISED -									
		DATE -	REVISED -									



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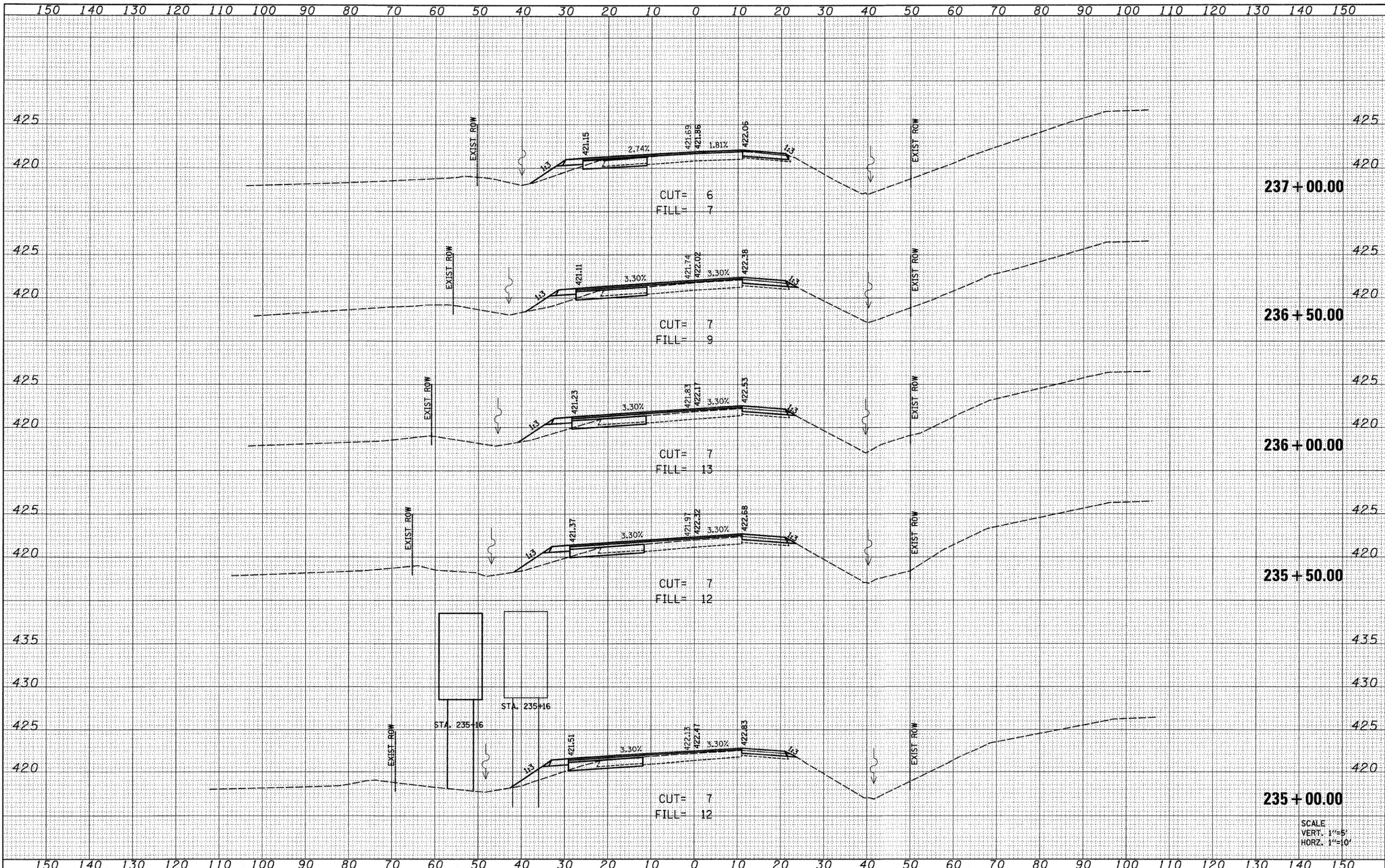


SCALE  
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	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. 6 OF 10 SHEETS	STA. 232+51.89 TO STA. 234+50.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76822	
	PLOT DATE = 3/14/2008	CHECKED -	REVISED -									
		DATE -	REVISED -									

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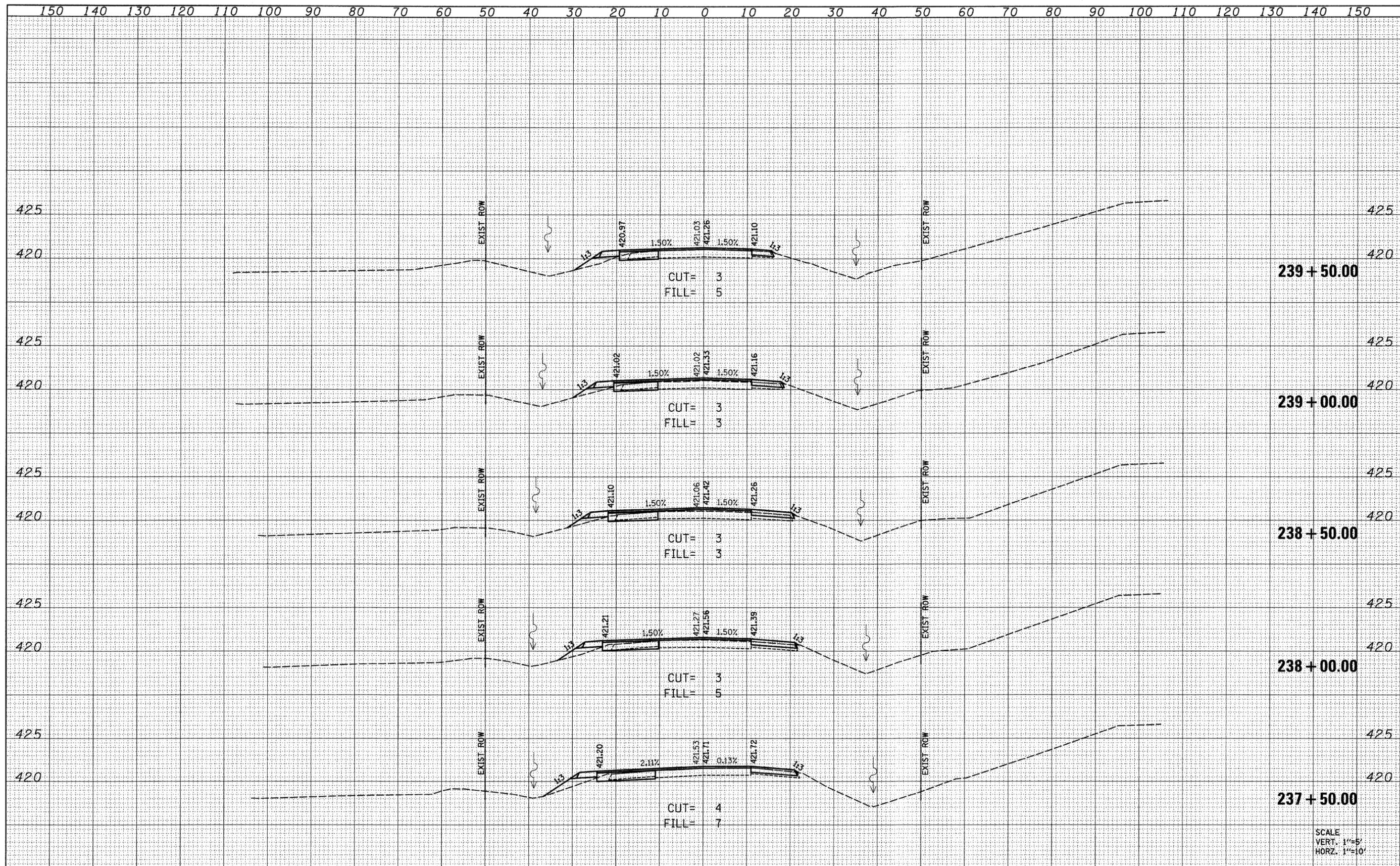


SCALE  
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	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. 7 OF 10 SHEETS	STA. 235+00.00 TO STA. 237+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76B22		
	PLOT DATE = 3/14/2008	CHECKED -	REVISED -									
		DATE -	REVISED -									

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

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



SCALE  
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 HORZ. 1"=10'

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PLOT SCALE = 10.0000 "/>										



