

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	1
			+7	
			202	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 HIGHWAY**

**F.A.P. 345: US 20 (LAKE STREET)
 AT SHALES PARKWAY
 SECTION: 8R-1-N-1
 WIDENING AND RESURFACING
 COOK COUNTY
 C-91-137-03**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

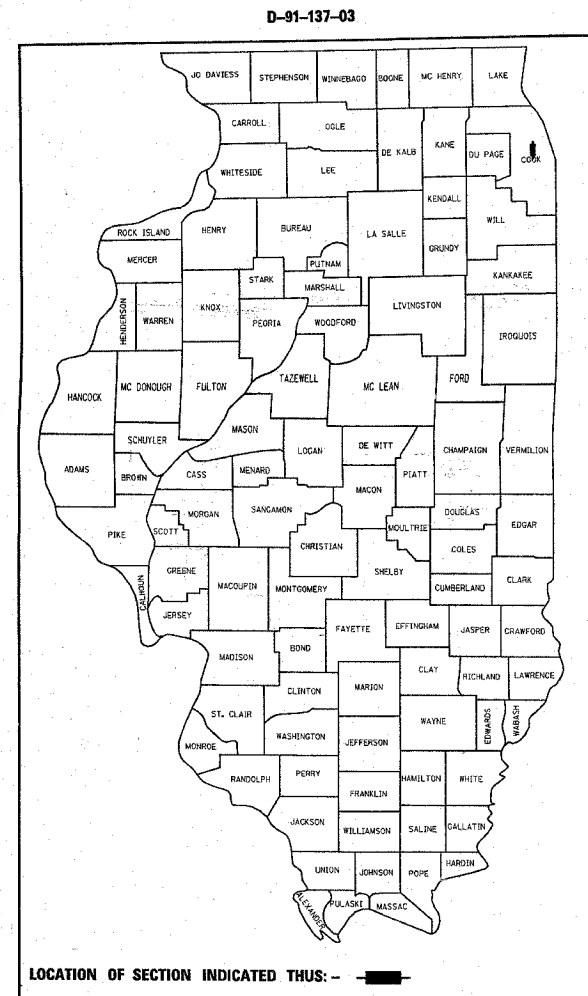
THE PROJECT IS LOCATED IN THE
 CITY OF ELGIN IN COOK COUNTY

TRAFFIC DATA

US 20: 2005 ADT = 37700
 POSTED SPEED LIMIT= 45-50 MPH

SHALES PKWY: 2006 ADT = 13500
 POSTED SPEED LIMIT = 25-30 MPH

BLUFF CITY BLVD: 2006 ADT = 4000
 POSTED SPEED LIMIT = 20-25 MPH



STRUCTURES

U.S. 20 RETAINING WALL
 NORTH WALL : 016-W969
 SOUTH WALL : 016-W968

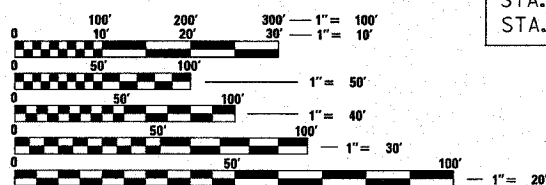
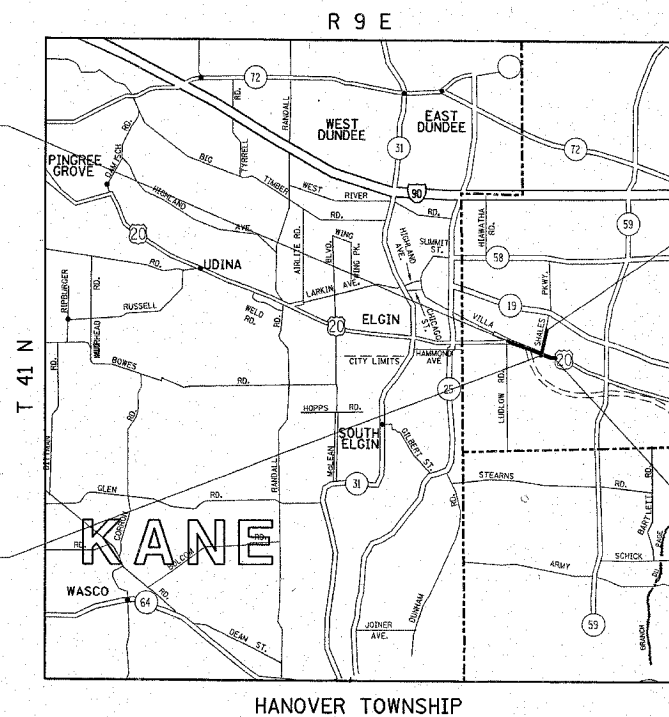
U.S. ROUTE 20
 PROJECT BEGINS
 STA. 201+25 (WB)
 STA. 73+08 (EB)

U.S. ROUTE 20
 STATION EQUATION
 STA. 231+46.91 (WB)
 STA. 81+58.59 (EB)
 STA. 31+13.24 @ BLUFF CITY BLVD./SHALES PKWY

SHALES PKWY/BLUFF CITY BLV.
 PROJECT ENDS
 STA. 19+79

SHALES PKWY/BLUFF CITY BLV.
 PROJECT BEGINS
 STA. 41+94

U.S. ROUTE 20
 PROJECT ENDS
 STA. 92+66.9



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

CONTRACT NO. 62617

GROSS & NET LENGTH OF PROJECT = 8046.71 LINEAR FEET = 1.52 MILES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 SUBMITTED FEBRUARY 13, 2008
 Diana M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
 May 9, 2008
 Eric E. Larson
 ENGINEER OF DESIGN AND ENVIRONMENT
 May 9, 2008
 Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

DISTRICT ONE DESIGN PLAN PREPARATION ENGINEER:
 KEN ENG/BOB BORO (847)705-4178

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT # 62617

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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420111-02	PCC PAVEMENT ROUNDOUTS
420401-06	BRIDGE APPROACH PAVEMENT
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm (24") THRU 1300 mm (54") PIPE)
602001	CATCH BASIN, TYPE A
602011	CATCH BASIN, TYPE C
602301-01	INLET, TYPE A
602401-01	MANHOLE, TYPE A
602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-02	FRAME AND LIDS, TYPE 1
604036-01	GRATE, TYPE B
630001-07	STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-04	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-05	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-05	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901	TRAFFIC CONTROL DEVICES
704001-04	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
814001-01	HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-01	TRAFFIC SIGNAL GROUNDING & BONDING
877006-02	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011-03	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-06	CONCRETE FOUNDATION DETAIL
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAIL
886001	DETECTOR LOOP INSTALLATIONS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. 20@SHALES PKWY/BLUFF CITY BLVD.
INDEX OF SHEETS
LIST OF STATE STANDARDS
PLAN NOTES

SCALE: VERT. : NONE
HORIZ. : NONE

DATE: _____ DRAWN BY: _____
CHECKED BY: _____

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	4
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100% CITY OF ELGIN LIGHTING Y030-1E
C2005930	SHRUB, RHUS COPALLINA VAR LATIFLOLIA MORTON (PRAIRIE FLAME SHINING SUMAC), 3' HEIGHT, BALLED AND BURLAPPED	EACH	210	210				
35600707	HOT-MIX ASPHALT BASE COURSE WIDENING, 7-3/4"	SQ YD	2027	2027				
X0325952	STEEL MAST ARM ASSEMBLY & POLE WITH DUAL MAST ARMS, 34 FT. & 52 FT.	EACH	1		1			
X0325953	BREAKAWAY DEVICE, TRANSFORMER BASE, SPECIAL	EACH	4				4	
X0325954	TEMPORARY WOOD POLE, 90 FT., CLASS 4, WITH 15 FT. MAST ARM, INSTALL ONLY	EACH	11				11	
X8210010	TEMPORARY LUMINAIRE, ^{HIGH PRESSURE} SODIUM, ^{HORIZONTAL MOUNT,} (INSTALL ONLY) _{400 WATT}	EACH	19				19	
X8210190	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 750 WATT (INSTALL ONLY)	EACH	11				11	
X0325956	LIGHT POLE, ALUMINUM, 55 FT. M. H., 8 FT. MAST ARM, INSTALL ONLY	EACH	4				4	
X0325955	LUMINAIRE, SODIUM VAPOR, RECTILINEAR TYPE, 600 WATT	EACH	4				4	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	315	315				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	221	221				
20101000	TEMPORARY FENCE	FOOT	120	120				
20101200	TREE ROOT PRUNING	EACH	30	30				
20200100	EARTH EXCAVATION	CU YD	29,772	29,772				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8,660	8,660				
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	434	434				
20800150	TRENCH BACKFILL	CU YD	484	484				
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	48,540	48,540				
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	160	160				
25000210	SEEDING, CLASS 2A	ACRE	6	6				
25000312	SEEDING, CLASS 4A	ACRE	3.8	3.8				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	540	540				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	540	540				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	540	540				
25100630	EROSION CONTROL BLANKET	SQ YD	47648	47648				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100% CITY OF ELGIN LIGHTING Y030-1E
* 25200200	SUPPLEMENTAL WATERING	UNIT	493	493				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100				
28000300	TEMPORARY DITCH CHECKS	EACH	60	60				
28000400	PERIMETER EROSION BARRIER	FOOT	6260	6260				
28000500	INLET AND PIPE PROTECTION	EACH	8	8				
31101600	SUB-BASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	374	374				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	512	512				
35600719	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4"	SQ YD	4072	4072				
35600724	HOT-MIX ASPHALT BASE COURSE WIDENING, 12"	SQ YD	14201	14201				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	8	8				
40600300	AGGREGATE (PRIME COAT)	TON	40	40				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	6	6				
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	192	192				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	75	75				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	40	40				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	57	57				
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	2231	2231				
42001300	PROTECTIVE COAT	SQ YD	2998	2998				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	28407	28407				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3777	3777				
44002214	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"	SQ YD	205	205				
44003100	MEDIAN REMOVAL	SQ FT	1988	1988				
44004250	PAVED SHOULDER REMOVAL	SQ YD	4678	4678				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	100	100				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	60	60				

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
US 20 @ SHALES PARKWAY

PLOT DATE: 2/20/2008

2/20/2008 8:58:11 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	5
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100% CITY OF ELGIN LIGHTING Y030-1E
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	45	45				
48101200	AGGREGATE SHOULDERS, TYPE B	TON	588	588				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	800	800				
50200100	STRUCTURE EXCAVATION	CU YD	532	532				
50300225	CONCRETE STRUCTURES	CU YD	591.6	591.6				
50500505	STUD SHEAR CONNECTORS	EACH	10280	10280				
* 50700209	UNTREATED TIMBER LAGGING	SQ FT	13048	13048				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	116840	116840				
* 51202210	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	7126	7126				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	7	7				
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1				
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1				
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	7	7				
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	2				
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	103	103				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	2635.7	2635.7				
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	131.5	131.5				
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	298	298				
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	405.9	405.9				
55100500	STORM SEWER REMOVAL 12"	FOOT	1369	1369				
55100700	STORM SEWER REMOVAL 15"	FOOT	93	93				
55101200	STORM SEWER REMOVAL 24"	FOOT	57	57				
58700300	CONCRETE SEALER	SQ FT	3033	3033				
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1088	1088				
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	3	3				
60107600	PIPE UNDERDRAINS 4"	FOOT	829	829				
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1476	1476				
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100% CITY OF ELGIN LIGHTING Y030-1E
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	3	3				
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	32	32				
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	2	2				
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17	17				
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	2	2				
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2				
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1	1				
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	2.59	2.59				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1490	1490				
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	3363	3363				
60620000	CONCRETE MEDIAN, TYPE SB-6.24	SQ FT	11374	11374				
60624600	CORRUGATED MEDIAN	SQ FT	2682	2682				
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1672	1672				
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2				
63200310	GUARDRAIL REMOVAL	FOOT	1900	1900				
66400105	CHAIN LINK FENCE, 4'	FOOT	1517	1517				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1415	1415				
* 66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	1				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	35	35				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	18835	18835				
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	912.8	912.8				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	17691	17691				

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
US 20 @ SHALES PARKWAY

2/20/2008
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	6
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
				100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100% CITY OF ELGIN LIGHTING Y030-1E
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2885	2885				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1122	1122				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	503	503				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	254	254				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14826	14826				
72000100	SIGN PANEL - TYPE 1	SQ FT	56	56				
72000200	SIGN PANEL - TYPE 2	SQ FT	25		25			
72000300	SIGN PANEL - TYPE 3	SQ FT	352		352			
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	25	25				
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1				
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	142.5	142.5				
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	12	12				
73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'-6" X 5'-3")	FOOT	106		106			
73305000	OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	46		46			
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	24.1		24.1			
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1		1			
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	4		4			
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	912.8	912.8				
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17691	17691				
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2885	2885				
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1122	1122				
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	503	503				
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	254	254				
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	271	271				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	162	162				

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
				100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100% CITY OF ELGIN LIGHTING Y030-1E
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1603		1603			
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	1130		1130			
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	10		10			
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	16		16			
81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10		10			
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	252		252			
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	655		655			
81019000	CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	114		114			
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	105		105			
81300720	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	2		2			
81400100	HANDHOLE	EACH	6		6			
81400200	HEAVY-DUTY HANDHOLE	EACH	6		6			
81400300	DOUBLE HANDHOLE	EACH	3		3			
X8180048	AERIAL CABLE, 3-1/C NO. 2/0, ALUMINUM, WITH MESSENGER WIRE	FOOT	6000			6000		
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	10964		2764		8200	
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	36				36	
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	5				5	
83800110	LIGHT POLE FOUNDATION (SPECIAL)	EACH	40				40	
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	340				340	
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	33				33	
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	5					5
84200800	POLE FOUNDATION, REMOVED	EACH	24				24	
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	24				24	
83011400	LIGHT POLE, ALUMINUM, 55 FT. M.H., 15 FT. MAST ARM	EACH	4				4	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
US 20 @ SHALES PARKWAY

PLOT DATE: 2/20/2008

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	7
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
				100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100 % CITY OF ELGIN LIGHTING Y030-1E
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1			
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1			
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	978			978		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3412		3412			
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2318		2318			
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7048		7048			
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	41		41			
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1		1			
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	2			2		
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1			
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1			
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		1			
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1		1			
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1		1			
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12			
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4			
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30		30			
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45		45			
87900200	DRILL EXISTING HANDHOLE	EACH	1		1			
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10		10			

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
				100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100 % CITY OF ELGIN LIGHTING Y030-1E
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1			
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6		6			
88030320	SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION BRACKET MOUNTED	EACH	1		1			
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16		16			
88500100	INDUCTIVE LOOP DETECTOR	EACH	18		18			
88600100	DETECTOR LOOP, TYPE I	FOOT	1908		1908			
88700200	LIGHT DETECTOR	EACH	5			5		
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1		
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1			
89502380	REMOVE EXISTING HANDHOLE	EACH	10		10			
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7		7			
A2002820	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12	12				
A2003016	TREE, CELTIS OCCIDENTALIS PRAIRIE PRIDE (PRAIRIE PRIDE HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5				
A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	21	21				
A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	26	26				
B2001666	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	30	30				
B2005466	TREE, PRUNUS VIRGINIANA SCHUBERT (SCHUBERT CHOKEBERRY), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	17	17				
E20200G1	VINE-PARTHENOCISSUS QUINQUEFOLIA (VIRGINIA CREEPER), 1-GALLON POT	EACH	385	385				
X0301865	PIPE CULVERT REMOVAL 24"	FOOT	47	47				

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
US 20 @ SHALES PARKWAY

2/20/2008

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100% CITY OF ELGIN LIGHTING Y030-1E
* X0322859	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	50	50				
* X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2670		2670			
X0323503	STORM SEWERS, TYPE 2 WYE 21" PIPE - 12" BRANCH	EACH	18				18	
* X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18				18	
* X0324387	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	12				12	
* X0325705	REOPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1			
* X0325742	CONCRETE FOUNDATION, TYPE E (SPECIAL)	FOOT	15		15			
X0325751	DRIVING SOLDIER PILES	FOOT	7126	7126				
X0325775	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	39631	39631				
X0325837	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	1734	1734				
X0325840	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH	FOOT	411	411				
X0325841	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 24 INCH	FOOT	235	235				
X0325842	WET REFLECTIVE TEMPORARY TAPE, TYPE III, LETTERS AND SYMBOLS	SQ FT	618	618				
* X0325860	TEMPORARY WOOD POLE, 60 FT., CLASS 4, WITH 15 FT. MAST ARM, INSTALL ONLY	EACH	19				19	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	5				
X6063401	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	1354	1354				
X6063600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	2157	2157				
* X8040100	ELECTRIC CONNECTION TO SIGN STRUCTURE	EACH	1				1	
* X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1			
* X8101280	CONDUIT IN TRENCH, 3" DIA., RIGID GALVANIZED STEEL	FOOT	500				500	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE URBAN 1000-1A	100% STATE TRAFFIC Y031-1F	OPTICOM CITY OF ELGIN TRAFFIC Y031-3D	100% STATE LIGHTING Y030-1E	100% CITY OF ELGIN LIGHTING Y030-1E
* X8102010	CONDUIT PUSHED, 3" DIA., RIGID GALVANIZED STEEL	FOOT	500				500	
* X8210055	FLUORESCENT LUMINAIRE FOR SIGN LIGHTING	EACH	10				10	
* X8410113	REMOVE TEMPORARY LIGHTING UNITS AND SALVAGE	EACH	30				30	
* X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1		1			
* X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2694		2694			
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1675		1675			
* X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	2353			2353		
XX004104	PRE-EMERGENT GRANULAR HERBICIDE	POUND	50	50				
* XX006937	GROUND ROD, 5/8" DIA. X 10 FT.	EACH	33				33	
X0325737	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1			
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	19921	19921				
Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1				
Z0007602	BUILDING REMOVAL NO. 2	L SUM	1	1				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	5	5				
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4				
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2				

* SPECIALTY ITEMS

Rev.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
US 20 @ SHALES PARKWAY

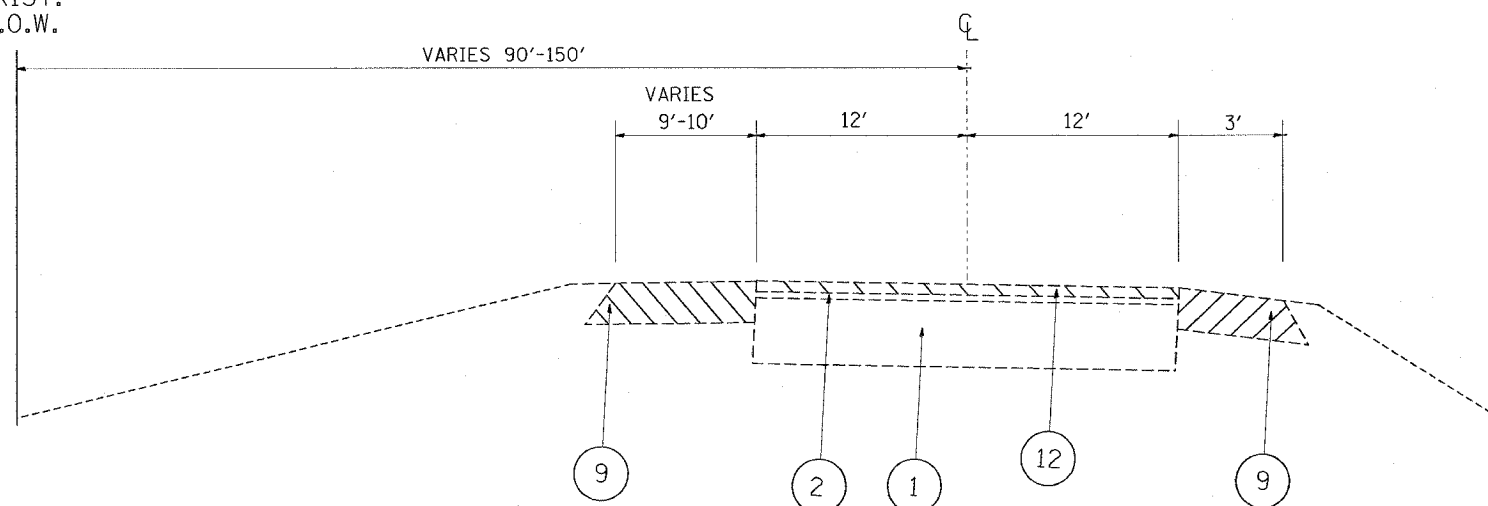
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

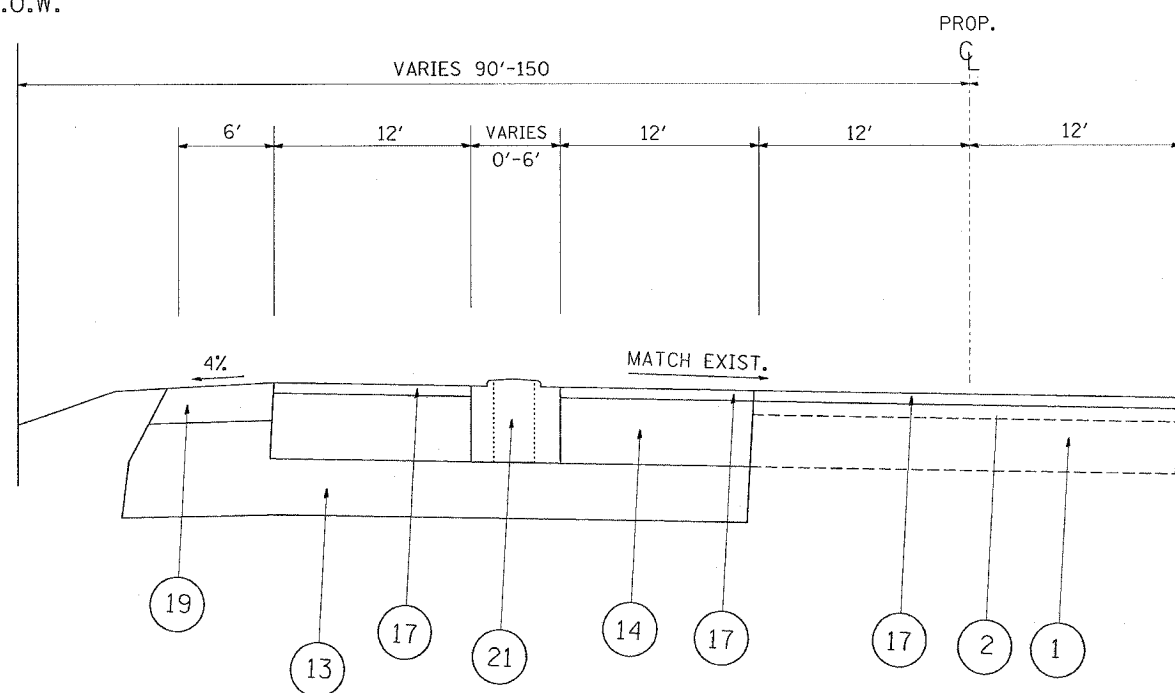
CONTRACT # 62617

EXIST. R.O.W.



EXISTING TYPICAL SECTION
U.S. ROUTE 20
WESTBOUND LANES
STA. 213+29 TO STA. 216+22

EXIST. R.O.W.



PROPOSED TYPICAL SECTION
U.S. ROUTE 20
WESTBOUND LANES
STA. 213+29 TO STA. 216+22

LEGEND

- ① EXISTING PCC PAVEMENT (US 20), ± 9 1/2"
- ② EXISTING HMA AFTER MILLING (US 20), ± 4 "
- ③ EXISTING PAVEMENT (SHALES PKWY), ± 11 1/4"
- ③A EXISTING PAVEMENT AFTER MILLING (SHALES PKWY), ± 8 3/4"
- ④ EXISTING PAVEMENT (BLUFF CITY BLVD), ± 7 1/2"
- ④A EXISTING PAVEMENT AFTER MILLING (BLUFF CITY BLVD), ± 5 "
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING AGGREGATE SHOULDER (SEE ROADWAY PLANS)
- ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B
- ⑧ PROPOSED MEDIAN REMOVAL
- ⑨ PROPOSED PAVED SHOULDER REMOVAL
- ⑩ PROPOSED AGGREGATE SHOULDER REMOVAL (TO BE PAID AS EARTH EXC.)
- ⑪ PROPOSED COMB. CURB AND GUTTER REMOVAL
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑬ PROPOSED AGGREGATE SUB-GRADE, 12"
- ⑭ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 12" (US 20)- [3 LIFTS]
- ⑮ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4" (SHALES PKWY)- [3 LIFTS]
- ⑯ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4" (BLUFF CITY BLVD)- [3 LIFTS]
- ⑰ PROPOSED POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "F", N90, 2"
- ⑱ PROPOSED LEVELING BINDER (MACHINE METHOD), N70 (MIN. 3/4" AND VARIES) (Sta. 90+00 to Sta. 92+02.9 on US 20)
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑳ PROPOSED RETAINING WALL (SEE ROADWAY PLANS)
- ㉑ PROPOSED CONCRETE MEDIAN, TYPE SB-6.24
- ㉒ PROPOSED COMB. CONC. CURB & GUTTER TY. B-6.24
- ㉓ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.12
- ㉔ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ㉕ PROPOSED CONCRETE MEDIAN SURFACE 4"
- ㉖ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.24

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 20
@ SHALES PARKWAY
EXISTING/ PROPOSED
TYPICAL SECTIONS

SCALE: VERT.
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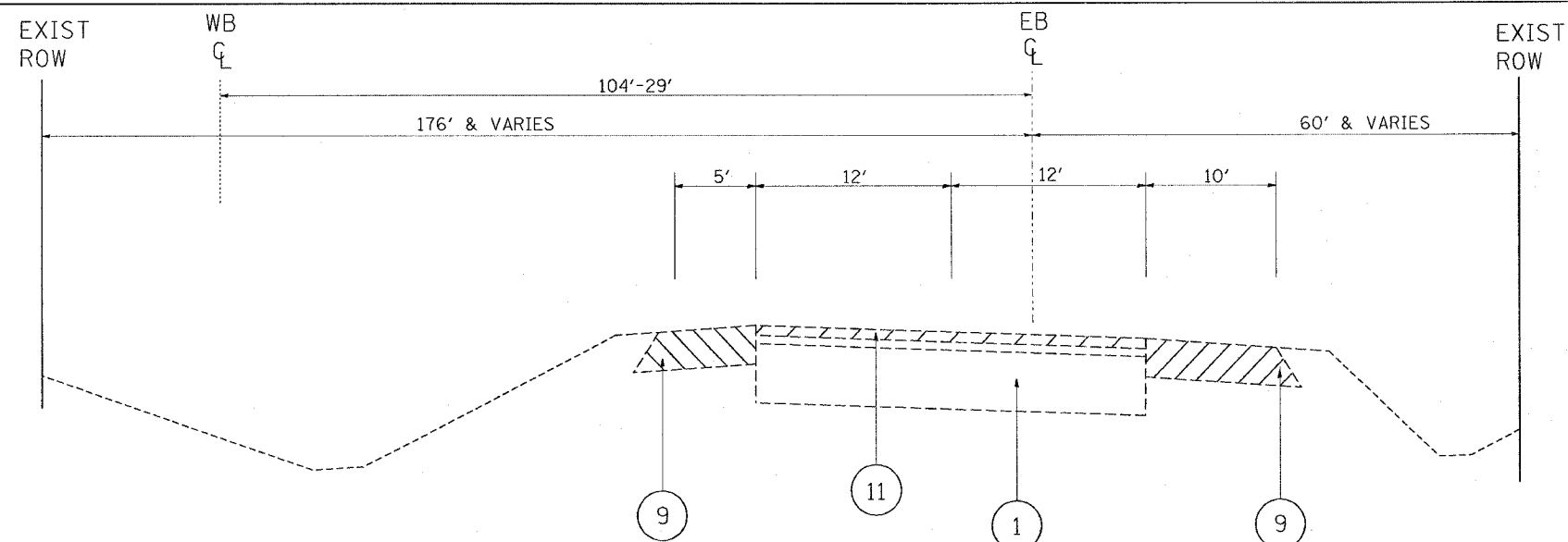
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

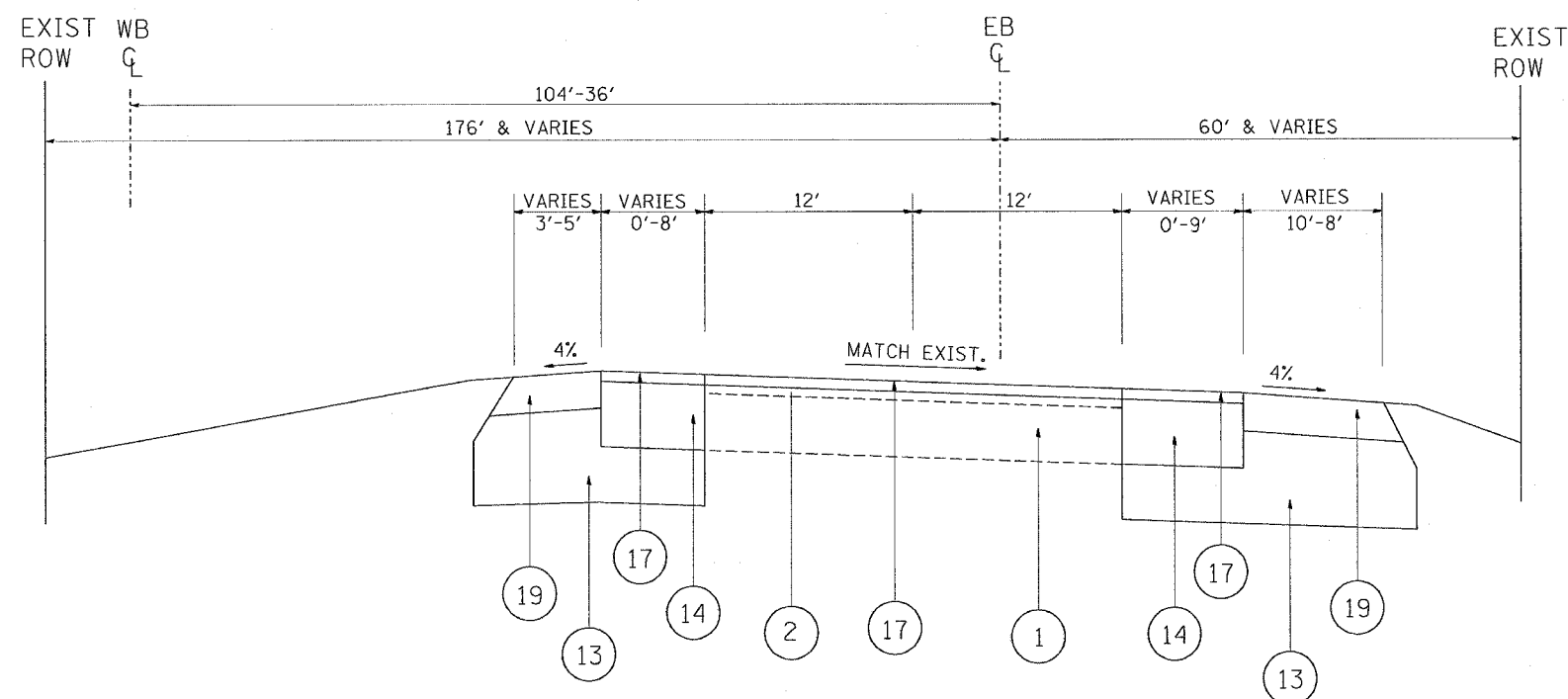
CONTRACT # 62617

LEGEND

- ① EXISTING PCC PAVEMENT (US 20), ± 9 1/2"
- ② EXISTING HMA AFTER MILLING (US 20), ± 4 "
- ③ EXISTING PAVEMENT (SHALES PKWY), ± 11 1/4"
- ③A EXISTING PAVEMENT AFTER MILLING (SHALES PKWY), ± 8 3/4"
- ④ EXISTING PAVEMENT (BLUFF CITY BLVD), ± 7 1/2"
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- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING AGGREGATE SHOULDER (SEE ROADWAY PLANS)
- ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B
- ⑧ PROPOSED MEDIAN REMOVAL
- ⑨ PROPOSED PAVED SHOULDER REMOVAL
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- ⑯ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4" (BLUFF CITY BLVD)- [3 LIFTS]
- ⑰ PROPOSED POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "F", N90, 2"
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- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑳ PROPOSED RETAINING WALL (SEE ROADWAY PLANS)
- ㉑ PROPOSED CONCRETE MEDIAN, TYPE SB-6.24
- ㉒ PROPOSED COMB. CONC. CURB & GUTTER TY. B-6.24
- ㉓ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.12
- ㉔ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ㉕ PROPOSED CONCRETE MEDIAN SURFACE 4"
- ㉖ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.24



EXISTING TYPICAL SECTION
U.S. ROUTE 20
EASTBOUND LANES
STA. 73+08 TO STA. 75+95
(STA. 222+00 TO STA. 225+87)



PROPOSED TYPICAL SECTION
U.S. ROUTE 20
EASTBOUND LANES
STA. 73+08 TO STA. 75+95
(STA. 222+00 TO STA. 225+87)

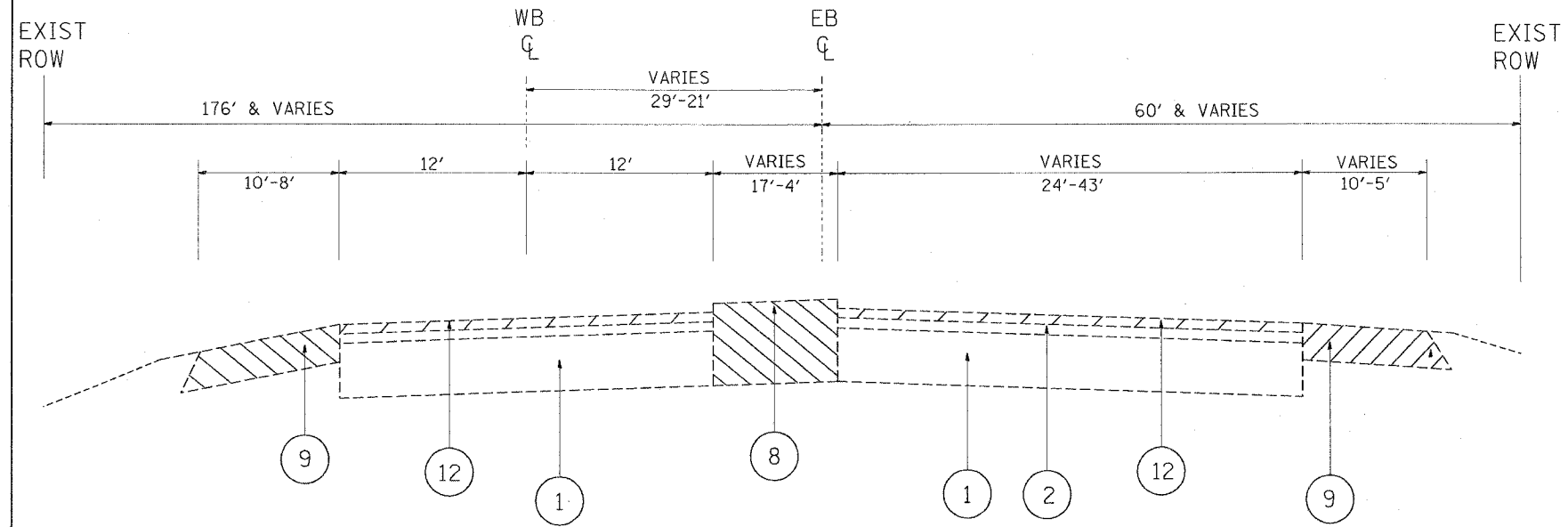
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REVISIONS	
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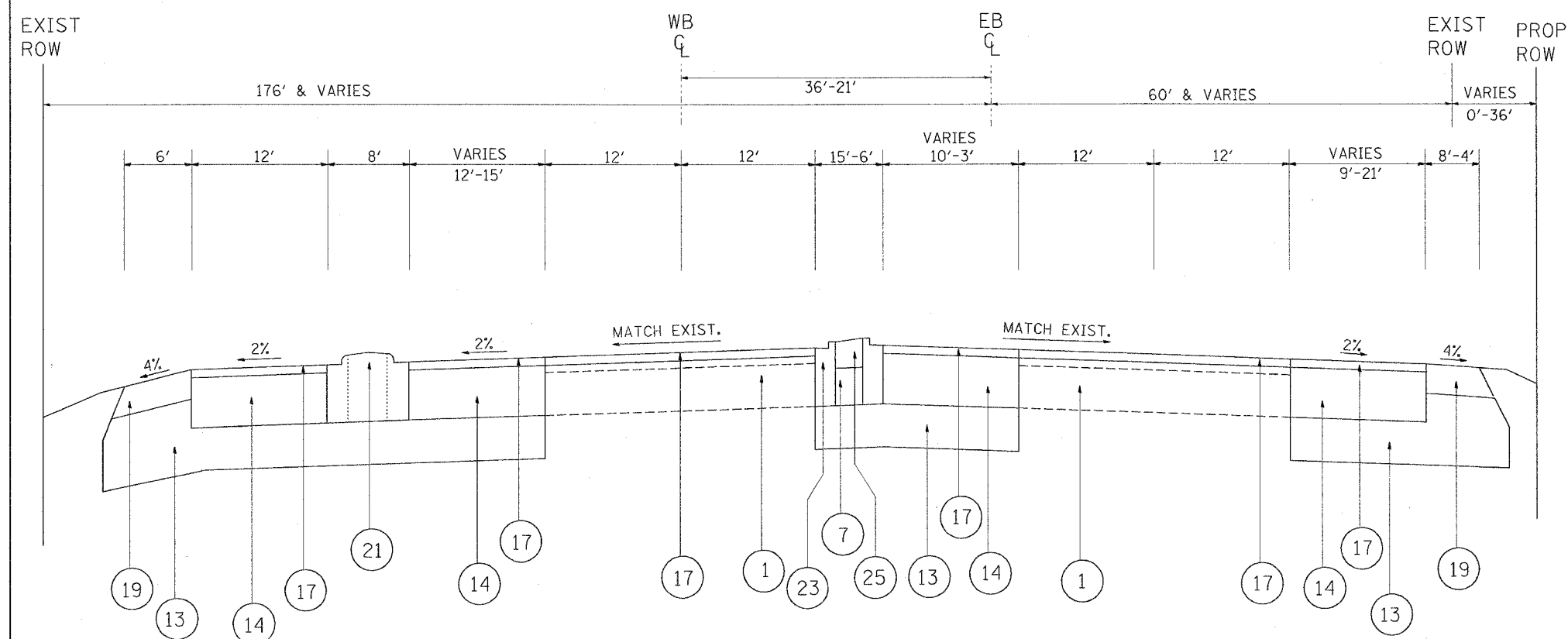
ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 20
@ SHALES PARKWAY
EXISTING/ PROPOSED
TYPICAL SECTIONS

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HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____



EXISTING TYPICAL SECTION
U.S. ROUTE 20
 STA. 76+53 TO STA. 80+77
 (STA. 216+22 TO STA. 230+69)



PROPOSED TYPICAL SECTION
U.S. ROUTE 20
 STA. 75+95 TO STA. 80+77
 (STA. 216+22 TO STA. 230+69)

- LEGEND**
- ① EXISTING PCC PAVEMENT (US 20), ± 9 1/2"
 - ② EXISTING HMA AFTER MILLING (US 20), ± 4 "
 - ③ EXISTING PAVEMENT (SHALES PKWY), ± 11 1/4"
 - ③A EXISTING PAVEMENT AFTER MILLING (SHALES PKWY), ± 8 3/4"
 - ④ EXISTING PAVEMENT (BLUFF CITY BLVD), ± 7 1/2"
 - ④A EXISTING PAVEMENT AFTER MILLING (BLUFF CITY BLVD), ± 5 "
 - ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
 - ⑥ EXISTING AGGREGATE SHOULDER (SEE ROADWAY PLANS)
 - ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B
 - ⑧ PROPOSED MEDIAN REMOVAL
 - ⑨ PROPOSED PAVED SHOULDER REMOVAL
 - ⑩ PROPOSED AGGREGATE SHOULDER REMOVAL (TO BE PAID AS EARTH EXC.)
 - ⑪ PROPOSED COMB. CURB AND GUTTER REMOVAL
 - ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - ⑬ PROPOSED AGGREGATE SUB-GRADE, 12"
 - ⑭ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 12" (US 20)- [3 LIFTS]
 - ⑮ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4" (SHALES PKWY.)- [3 LIFTS]
 - ⑯ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4" (BLUFF CITY BLVD.)- [3 LIFTS]
 - ⑰ PROPOSED POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "F", N90, 2"
 - ⑱ PROPOSED LEVELING BINDER (MACHINE METHOD), N70 (MIN. 3/4" AND VARIES) (Sta. 90+00 to Sta. 92+02.9 on US 20)
 - ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
 - ⑳ PROPOSED RETAINING WALL (SEE ROADWAY PLANS)
 - ㉑ PROPOSED CONCRETE MEDIAN, TYPE SB-6.24
 - ㉒ PROPOSED COMB. CONC. CURB & GUTTER TY. B-6.24
 - ㉓ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.12
 - ㉔ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
 - ㉕ PROPOSED CONCRETE MEDIAN SURFACE 4"
 - ㉖ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.24

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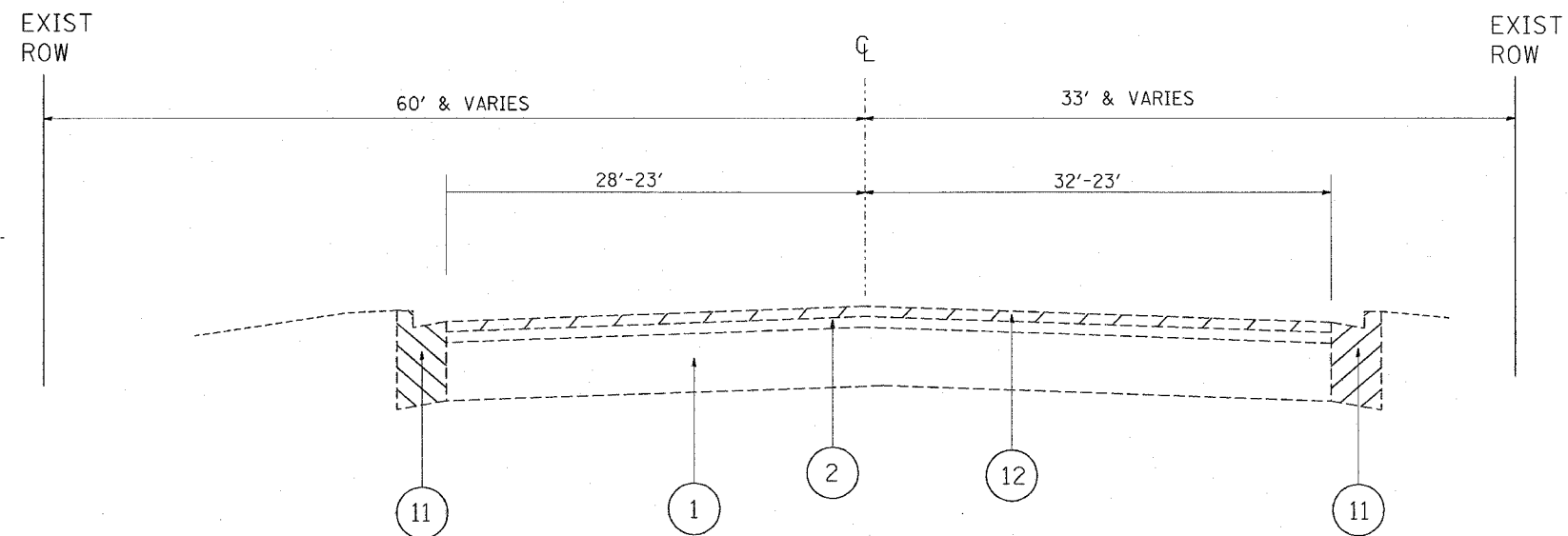
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NAME	DATE	
		U.S. ROUTE 20 @ SHALES PARKWAY EXISTING/ PROPOSED TYPICAL SECTIONS

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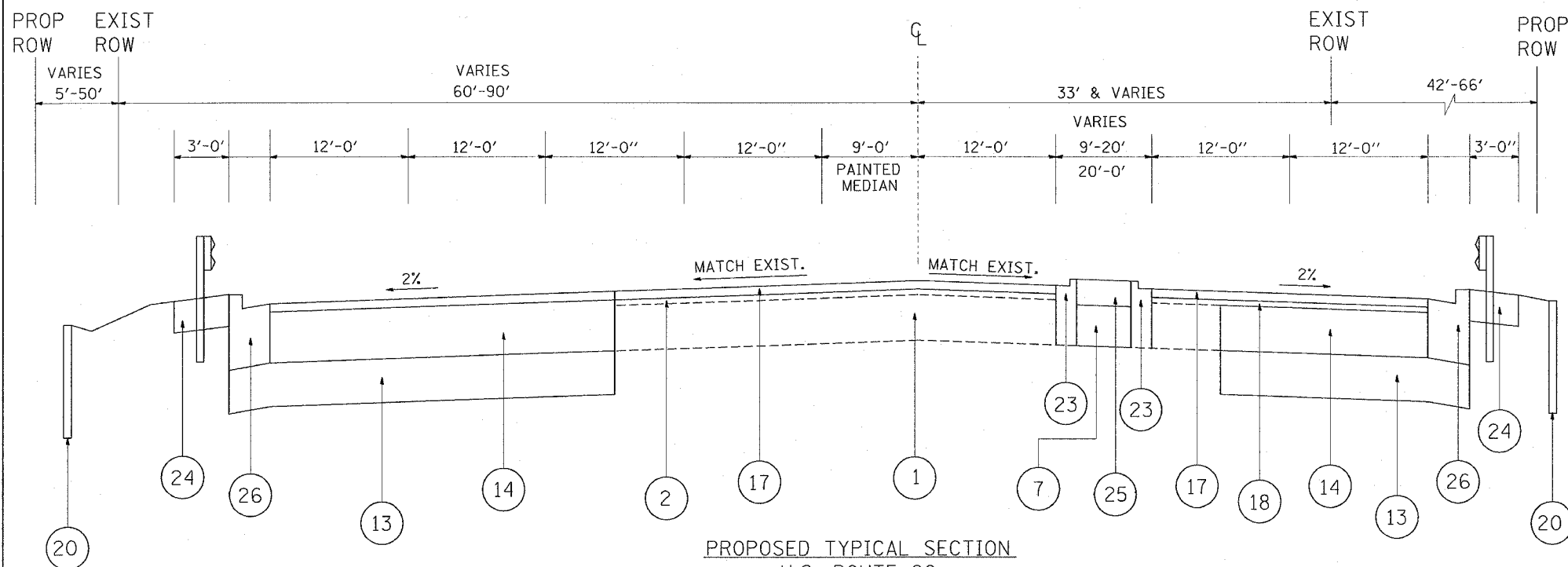
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT # 62617



EXISTING TYPICAL SECTION
U.S. ROUTE 20
STA. 82+08 TO STA. 92+02.9



PROPOSED TYPICAL SECTION
U.S. ROUTE 20
STA. 82+08 TO STA. 92+02.9

LEGEND

- ① EXISTING PCC PAVEMENT (US 20), ± 9 1/2"
- ② EXISTING HMA AFTER MILLING (US 20), ± 4 "
- ③ EXISTING PAVEMENT (SHALES PKWY), ± 11 1/4"
- ③A EXISTING PAVEMENT AFTER MILLING (SHALES PKWY), ± 8 3/4"
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- ④A EXISTING PAVEMENT AFTER MILLING (BLUFF CITY BLVD), ± 5 "
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING AGGREGATE SHOULDER (SEE ROADWAY PLANS)
- ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B
- ⑧ PROPOSED MEDIAN REMOVAL
- ⑨ PROPOSED PAVED SHOULDER REMOVAL
- ⑩ PROPOSED AGGREGATE SHOULDER REMOVAL (TO BE PAID AS EARTH EXC.)
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- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑬ PROPOSED AGGREGATE SUB-GRADE, 12"
- ⑭ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 12" (US 20)- [3 LIFTS]
- ⑮ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4" (SHALES PKWY)- [3 LIFTS]
- ⑯ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4" (BLUFF CITY BLVD)- [3 LIFTS]
- ⑰ PROPOSED POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "F", N90, 2"
- ⑱ PROPOSED LEVELING BINDER (MACHINE METHOD), N70 (MIN. 3/4" AND VARIES) (Sta. 90+00 to Sta. 92+02.9 on US 20)
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑳ PROPOSED RETAINING WALL (SEE ROADWAY PLANS)
- ㉑ PROPOSED CONCRETE MEDIAN, TYPE SB-6.24
- ㉒ PROPOSED COMB. CONC. CURB & GUTTER TY. B-6.24
- ㉓ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.12
- ㉔ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ㉕ PROPOSED CONCRETE MEDIAN SURFACE 4"
- ㉖ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.24

REVISIONS	
NAME	DATE

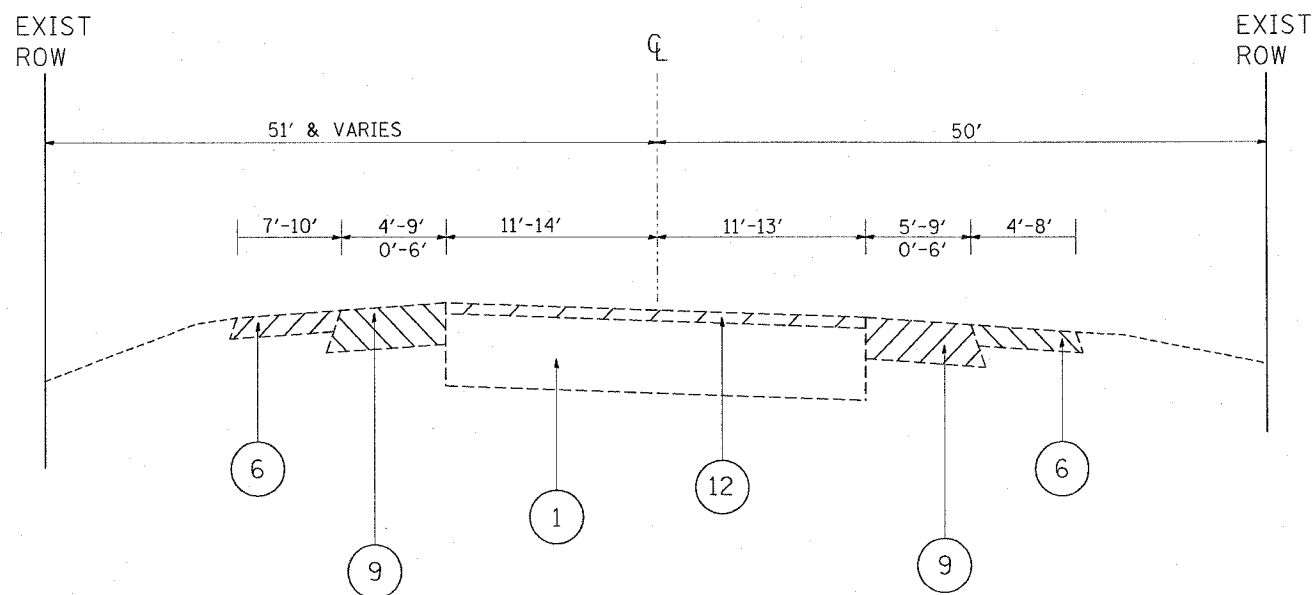
ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 20
@ SHALES PARKWAY
EXISTING/ PROPOSED
TYPICAL SECTIONS

SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____

PLOT DATE = 12/22/2007
FILE NAME = c:\p\projects\113783\design\stage.dgn
PLOT SCALE = 1" = 40'-0"
REFERENCE = #REF4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

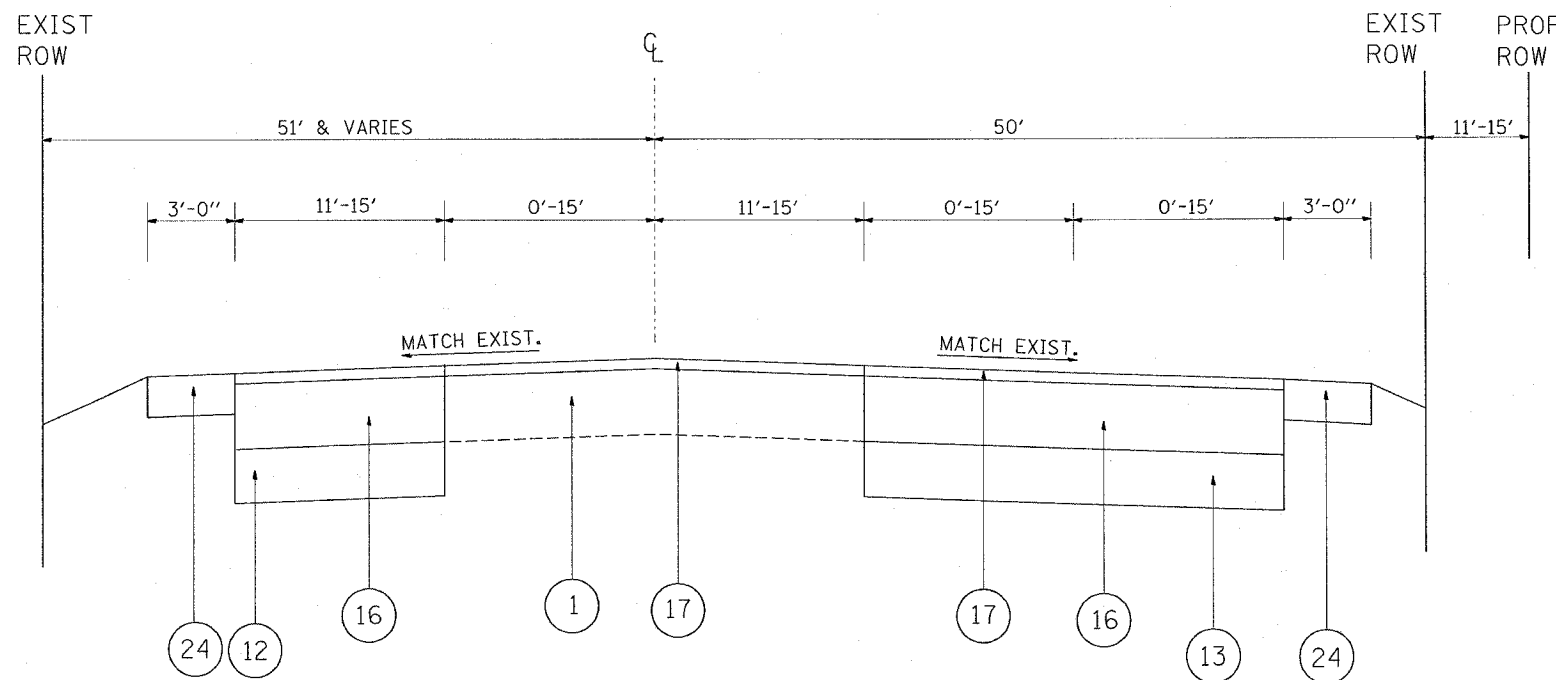
CONTRACT # 62617



EXISTING TYPICAL SECTION
BLUFF CITY BOULEVARD
STA. 19+79 TO STA. 32+47

LEGEND

- ① EXISTING PCC PAVEMENT (US 20), ± 9 1/2"
- ② EXISTING HMA AFTER MILLING (US 20), ± 4 "
- ③ EXISTING PAVEMENT (SHALES PKWY), ± 11 1/4"
- ③A EXISTING PAVEMENT AFTER MILLING (SHALES PKWY), ± 8 3/4"
- ④ EXISTING PAVEMENT (BLUFF CITY BLVD), ± 7 1/2"
- ④A EXISTING PAVEMENT AFTER MILLING (BLUFF CITY BLVD), ± 5 "
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING AGGREGATE SHOULDER (SEE ROADWAY PLANS)
- ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B
- ⑧ PROPOSED MEDIAN REMOVAL
- ⑨ PROPOSED PAVED SHOULDER REMOVAL
- ⑩ PROPOSED AGGREGATE SHOULDER REMOVAL (TO BE PAID AS EARTH EXC.)
- ⑪ PROPOSED COMB. CURB AND GUTTER REMOVAL
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑬ PROPOSED AGGREGATE SUB-GRADE, 12"
- ⑭ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 12" (US 20)- [3 LIFTS]
- ⑮ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4" (SHALES PKWY)- [3 LIFTS]
- ⑯ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4" (BLUFF CITY BLVD.)- [3 LIFTS]
- ⑰ PROPOSED POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "F", N90, 2"
- ⑱ PROPOSED LEVELING BINDER (MACHINE METHOD), N70 (MIN. 3/4" AND VARIES) (Sta. 90+00 to Sta. 92+02.9 on US 20)
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑳ PROPOSED RETAINING WALL (SEE ROADWAY PLANS)
- ㉑ PROPOSED CONCRETE MEDIAN, TYPE SB-6.24
- ㉒ PROPOSED COMB. CONC. CURB & GUTTER TY. B-6.24
- ㉓ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.12
- ㉔ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ㉕ PROPOSED CONCRETE MEDIAN SURFACE 4"
- ㉖ PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.24



PROPOSED TYPICAL SECTION
BLUFF CITY BOULEVARD
STA. 19+79 TO STA. 32+47

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. ROUTE 20 @ SHALES PARKWAY EXISTING/ PROPOSED TYPICAL SECTIONS
SCALE:	VERT. DATE	DRAWN BY CHECKED BY

PLOT DATE = 12/22/2007
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PLOT SCALE = 48,999' / IN.
REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
575	*	WILL	196	16

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

* 14-B-R-1 & 15N-3

EARTHWORK SCHEDULE

US 20- EB						US 20- WB					
U.S. ROUTE 30 STATIONS	EARTH EXCAVATION (CU. YD.)	UNSUITABLE MATERIAL (CU.YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU.YD.)	EMBANKMENT (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	U.S. ROUTE 30 STATIONS	EARTH EXCAVATION (CU. YD.)	UNSUITABLE MATERIAL (CU.YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU.YD.)	EMBANKMENT (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
75+00 TO 92+40	2780	2388	2363	10286	-7923	201+29 TO 231+00	22138	4260	18817	1469	17348
--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	2780	2112	2363	10286	-7923	TOTAL	22138	3839	18817	1469	17348

BLUFF CITY BLVD.						SHALES PRKY					
U.S. ROUTE 30 STATIONS	EARTH EXCAVATION (CU. YD.)	UNSUITABLE MATERIAL (CU.YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU.YD.)	EMBANKMENT (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	U.S. ROUTE 30 STATIONS	EARTH EXCAVATION (CU. YD.)	UNSUITABLE MATERIAL (CU.YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU.YD.)	EMBANKMENT (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
22+00 TO 20+00	2015	1349	1712.8	858	854.8	33+80.5 TO 41+00	2285	663	1942.3	83	1859.3
20+00 TO 27+00	--	--	--	--	--	--	--	--	--	--	--
29+00 TO 37+50	--	--	--	--	--	--	--	--	--	--	--
LILY CACHE ROAD	--	--	--	--	--	--	--	--	--	--	--
106+00 TO 110+00	--	--	--	--	--	--	--	--	--	--	--
TOTAL	2015	1349	1712.8	858	854.8	TOTAL	2285	663	1942.3	83	1859.3

TOTAL					
U.S. ROUTE 30 STATIONS	EARTH EXCAVATION (CU. YD.)	UNSUITABLE MATERIAL (CU.YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU.YD.)	EMBANKMENT PRE-STAGE (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
US 20-EB	2780	2388	2363	10286	-7923
US 20-WB	22138	4260	18817	1469	17348
SHALES PAKY	2285	663	1942.3	83	1859.3
BLUFF CITY BLVD.	2015	1349	1712.8	858	854.8
--	--	--	--	--	--
TOTAL	29772	8660	25306	12696	+ 12610

NOTE:

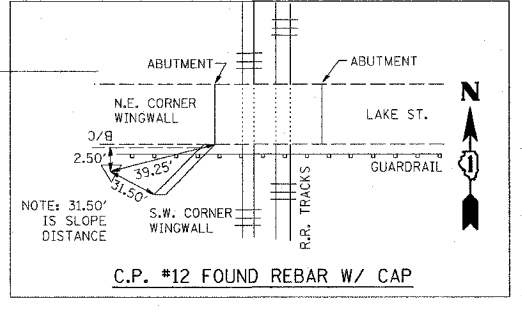
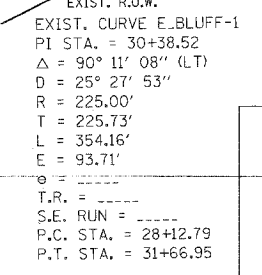
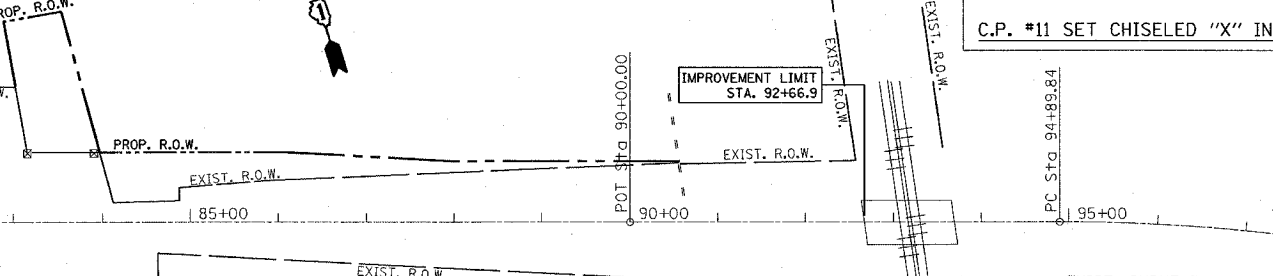
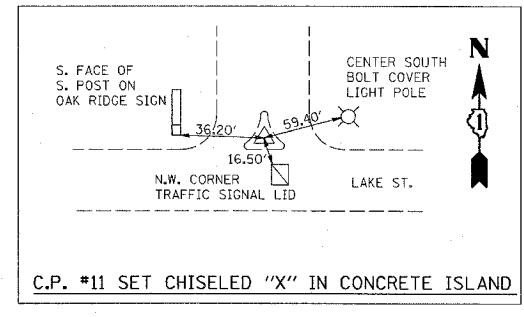
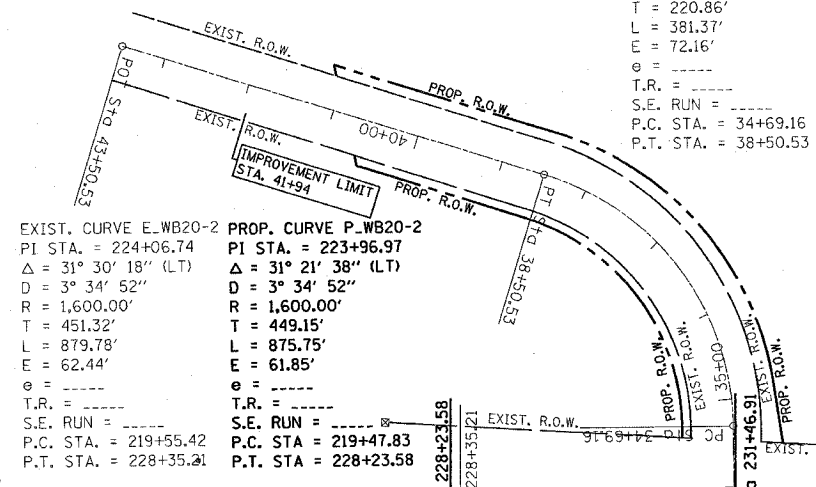
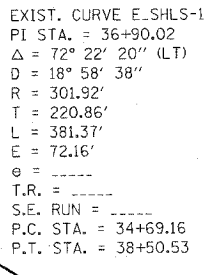
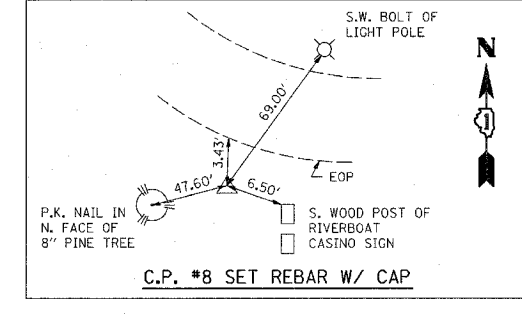
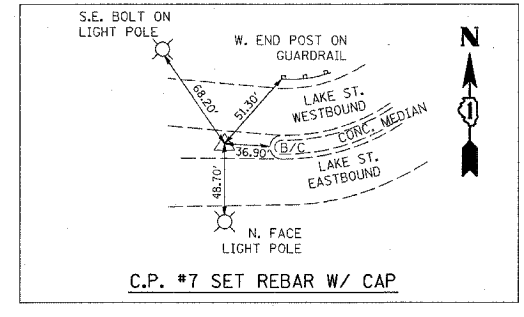
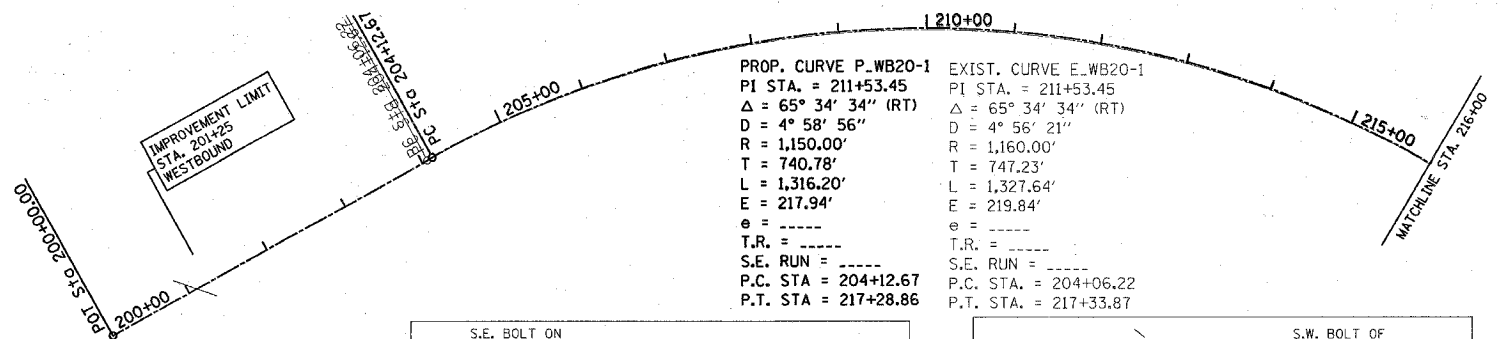
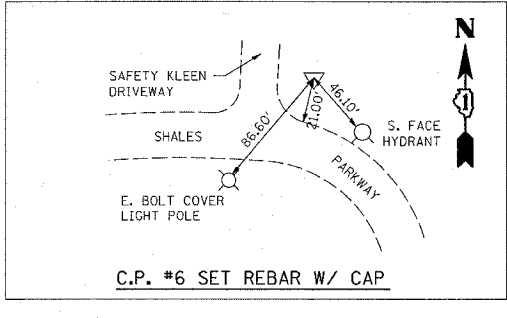
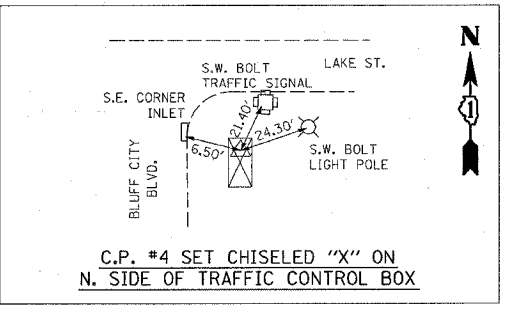
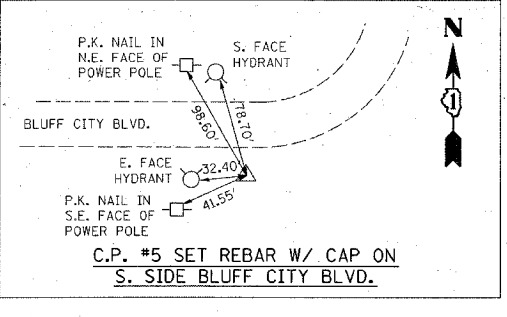
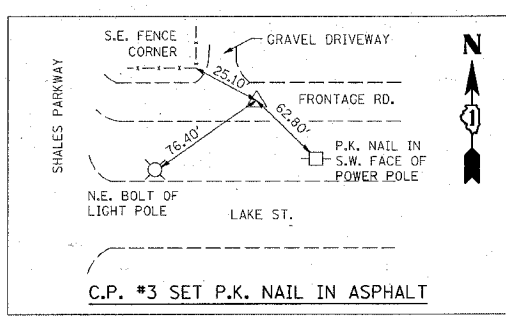
A THICKNESS OF 6 INCHES OF TOPSOIL STRIPPING SHALL BE USED FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

TREE REMOVAL SCHEDULE

US 20 @ SHALES PRKY				STATION	OFFSET/ SIDE (FEET)	6 TO 15 UNIT DIAMETER	OVER 15 UNIT DIAMETER
US 20				89+59	48.5' LT	15	
				90+13	50' LT	10	
				211+17	75.8' LT		20
				212+08	76' LT		20
				212+41	77.3' LT	10	
				214+09	81.3' LT		24
				215+44	121' LT	6	
				215+57	92' LT	12	
				215+71	104' LT		24
				220+36	103' LT	12	
				220+73	120' LT		14
				220+92	99' LT		14
				222+89	80.7' LT		20
				224+84	75.5' LT		24
				227+71	64' LT	12	
				227+78	56' LT	12	
				228+38	50' LT	15	
				228+85	57' LT		22
				TOTAL		315	221

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. ROUTE 20 @ SHALES PARKWAY SCHEDULE OF QUANTITIES
SCALE:	VERT. DATE	DRAWN BY
	HORIZ.	CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	16	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	NAME	DATE

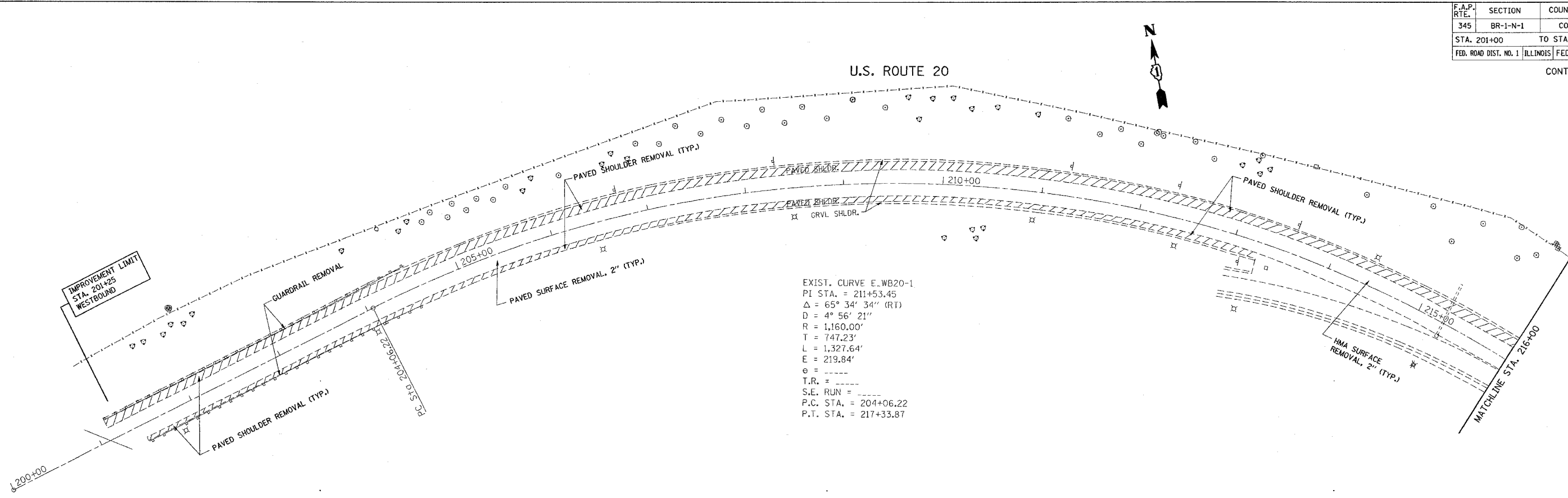
ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALIGNMENTS, TIES & BENCHMARKS
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

SCALE: VERT. 1"= 100'
 HORIZ. 1"= 100'
 DATE 12/12/2007
 DRAWN BY
 CHECKED BY

*REF-topo01
*REF-pp01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	18
STA. 201+00		TO STA. 216+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

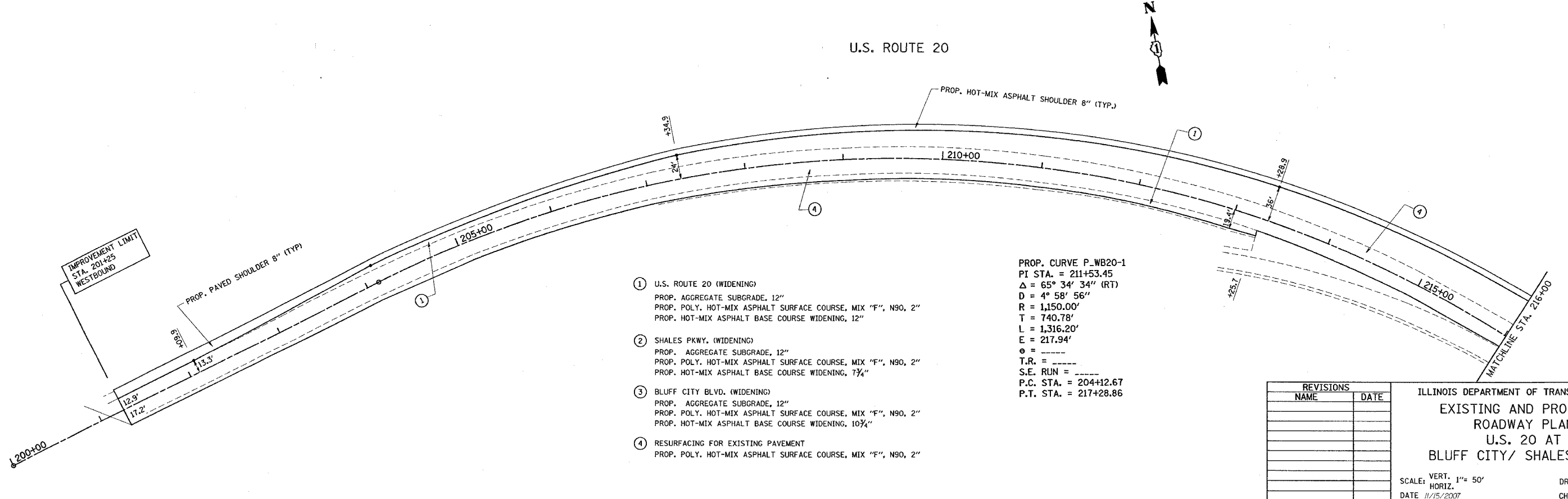
CONTRACT NO. 62617



EXIST. CURVE E.WB20-1
 PI STA. = 211+53.45
 $\Delta = 65^\circ 34' 34''$ (RT)
 $D = 4^\circ 56' 21''$
 $R = 1,160.00'$
 $T = 747.23'$
 $L = 1,327.64'$
 $E = 219.84'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 P.C. STA. = 204+06.22
 P.T. STA. = 217+33.87

EXISTING

PROPOSED



PROP. CURVE P.WB20-1
 PI STA. = 211+53.45
 $\Delta = 65^\circ 34' 34''$ (RT)
 $D = 4^\circ 58' 56''$
 $R = 1,150.00'$
 $T = 740.78'$
 $L = 1,316.20'$
 $E = 217.94'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 P.C. STA. = 204+12.67
 P.T. STA. = 217+28.86

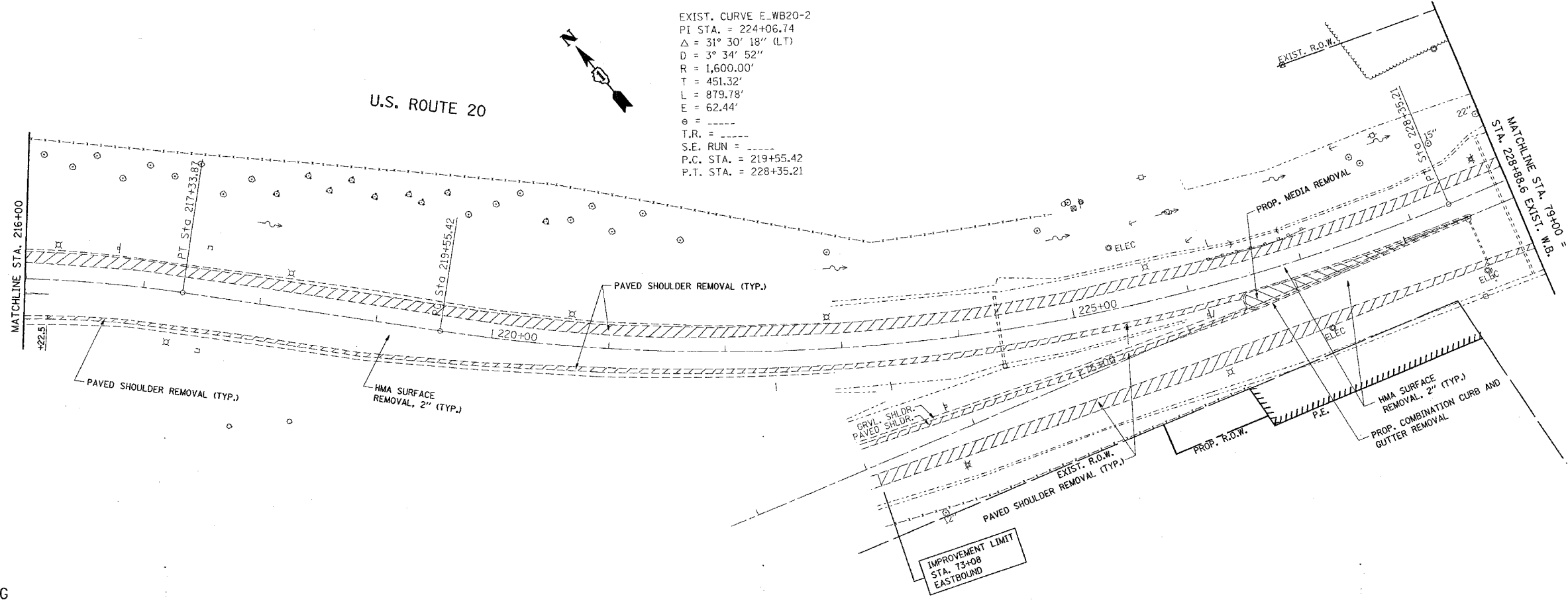
- ① U.S. ROUTE 20 (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
- ② SHALES PKWY. (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4"
- ③ BLUFF CITY BLVD. (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4"
- ④ RESURFACING FOR EXISTING PAVEMENT
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING AND PROPOSED
 ROADWAY PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

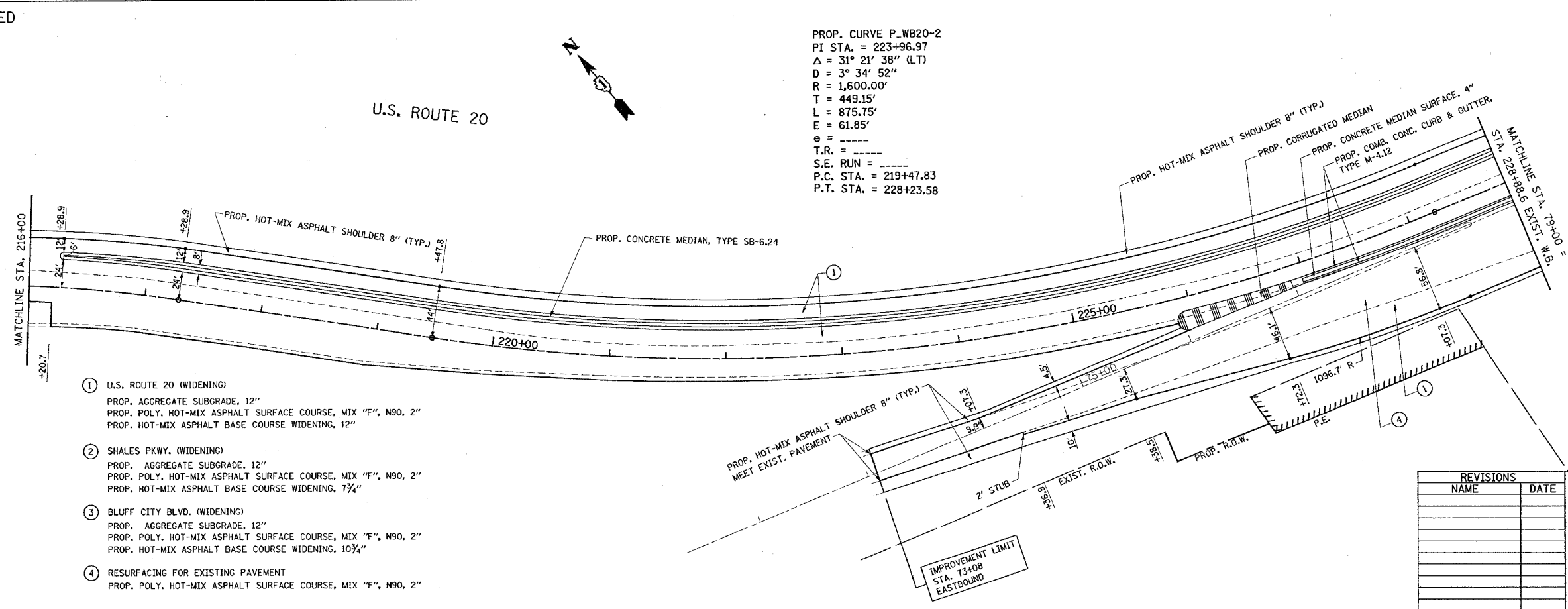
SCALE: VERT. 1" = 50'
 HORIZ. DATE 11/15/2007

DRAWN BY
 CHECKED BY



EXIST. CURVE E.WB20-2
 PI STA. = 224+06.74
 $\Delta = 31^\circ 30' 18''$ (LT)
 $D = 3^\circ 34' 52''$
 $R = 1,600.00'$
 $T = 451.32'$
 $L = 879.78'$
 $E = 62.44'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 219+55.42$
 $P.T. STA. = 228+35.21$

EXISTING



PROP. CURVE P.WB20-2
 PI STA. = 223+96.97
 $\Delta = 31^\circ 21' 38''$ (LT)
 $D = 3^\circ 34' 52''$
 $R = 1,600.00'$
 $T = 449.15'$
 $L = 875.75'$
 $E = 61.85'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 219+47.83$
 $P.T. STA. = 228+23.58$

- ① U.S. ROUTE 20 (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
- ② SHALES PKWY. (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4"
- ③ BLUFF CITY BLVD. (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4"
- ④ RESURFACING FOR EXISTING PAVEMENT
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"

REVISIONS	
NAME	DATE

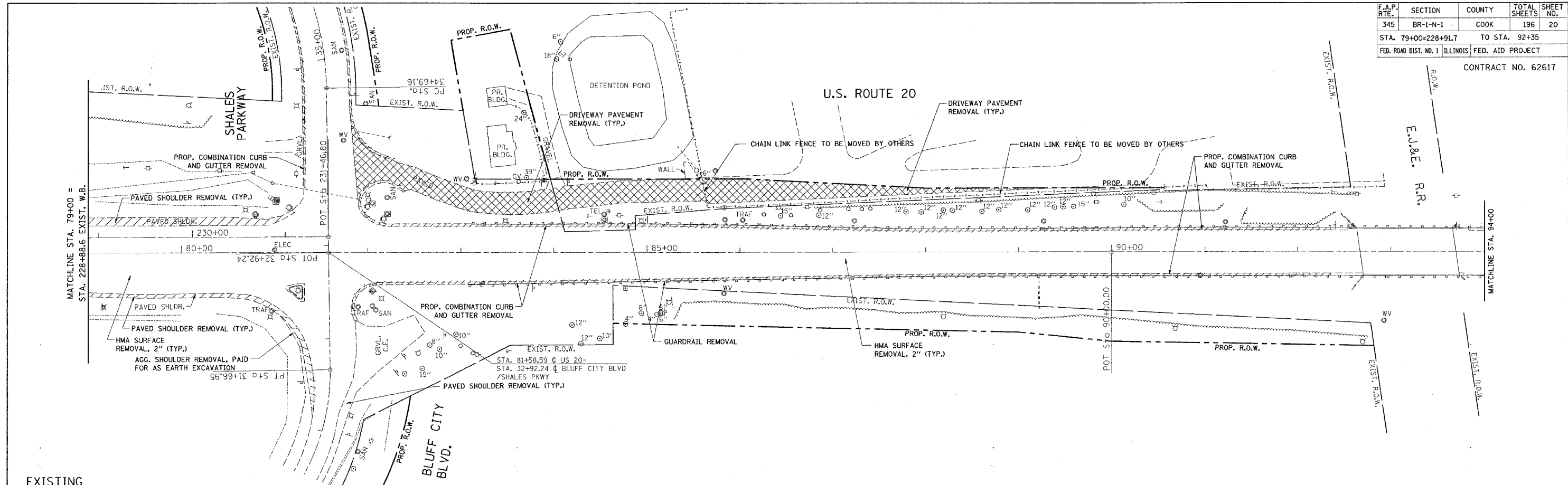
ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING AND PROPOSED
 ROADWAY PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'
 DATE 11/15/2007
 DRAWN BY
 CHECKED BY

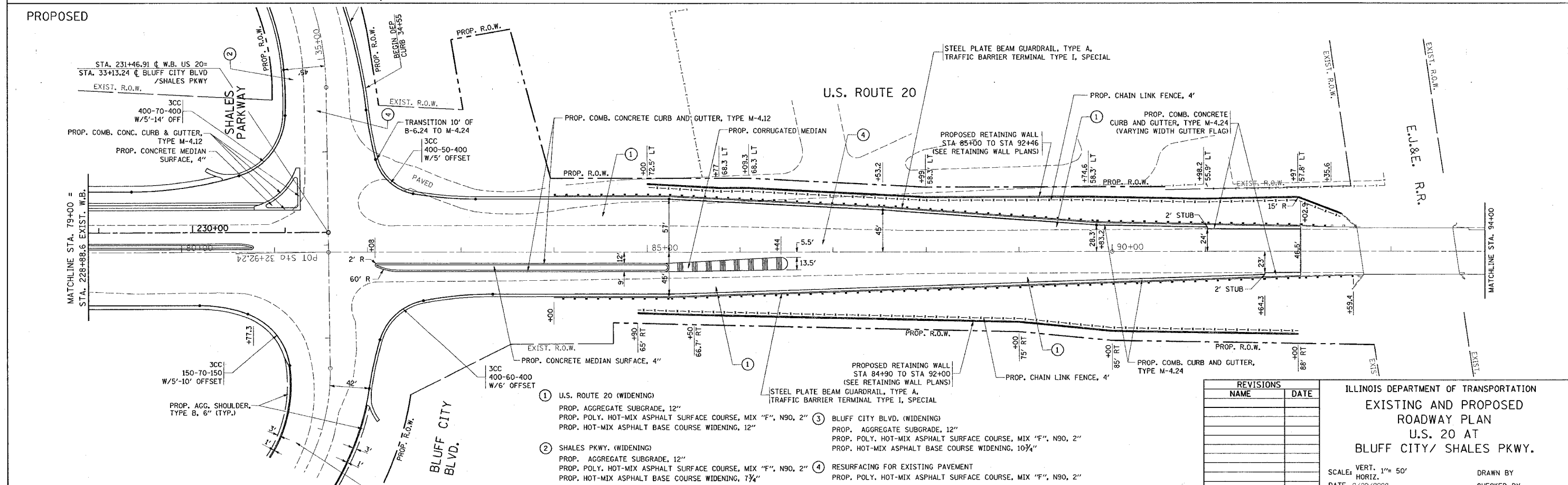
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	20
STA. 79+00=228+91.7			TO STA. 92+35	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62617



EXISTING



PROPOSED

- ① U.S. ROUTE 20 (WIDENING)
PROP. AGGREGATE SUBGRADE, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
- ② SHALES PKWY. (WIDENING)
PROP. AGGREGATE SUBGRADE, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4"
- ③ BLUFF CITY BLVD. (WIDENING)
PROP. AGGREGATE SUBGRADE, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4"
- ④ RESURFACING FOR EXISTING PAVEMENT
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"

REVISIONS	
NAME	DATE

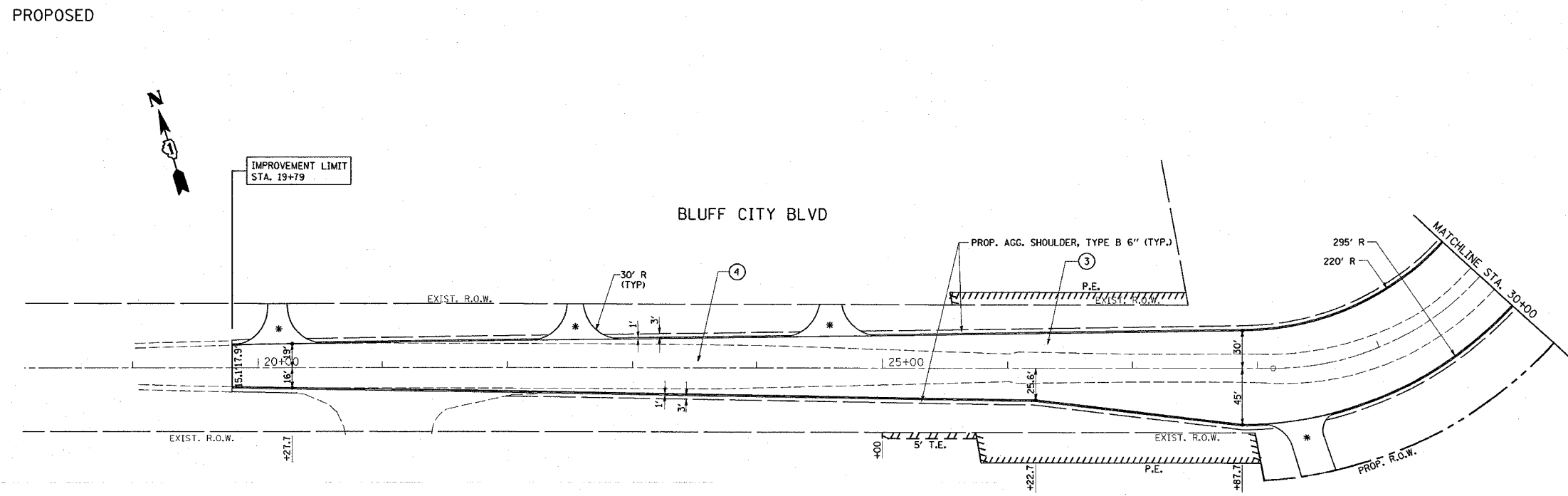
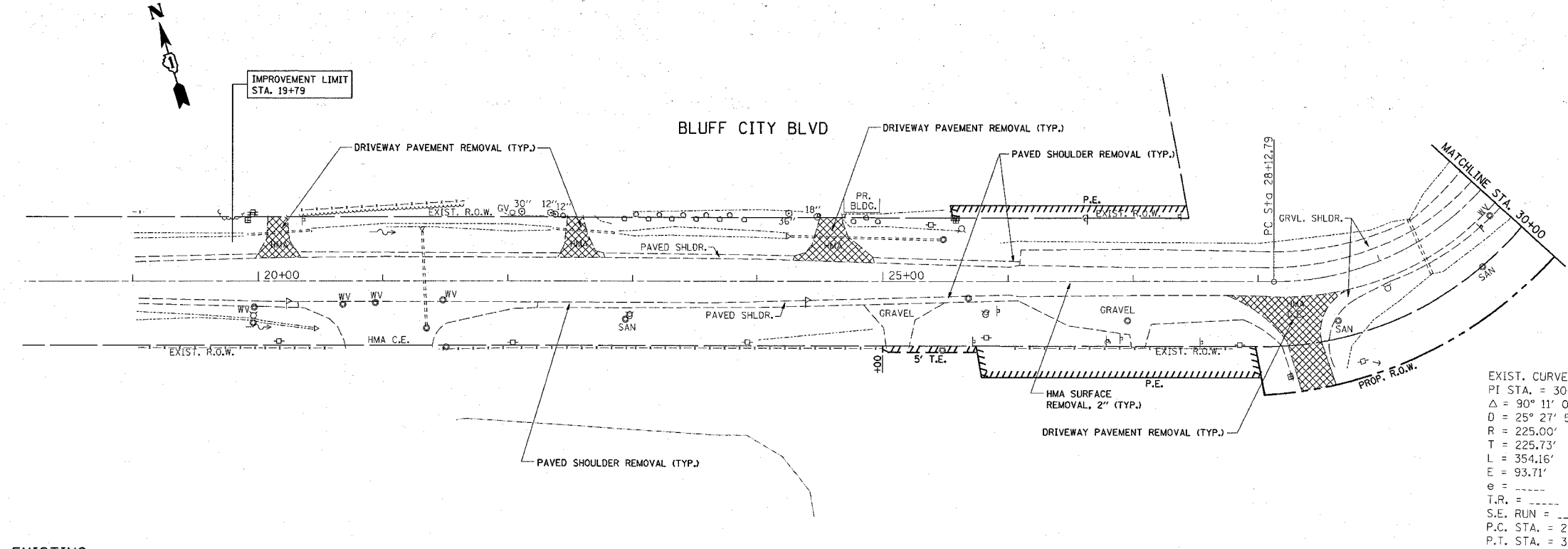
ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING AND PROPOSED
ROADWAY PLAN
U.S. 20 AT
BLUFF CITY/ SHALES PKWY.

SCALE: VERT. 1"= 50'
HORIZ. 1"= 100'
DATE 2/29/2008
DRAWN BY
CHECKED BY

*REF-1top04
*REF-1pp04

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	21
STA. 19+79		TO STA. 30+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62617



- ① U.S. ROUTE 20 (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
- ② SHALES PKWY. (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4"
- ③ BLUFF CITY BLVD. (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4"
- ④ RESURFACING FOR EXISTING PAVEMENT
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"

LEGEND (SEE DRIVEWAY DETAILS)
 * HMA DRIVEWAY - RESIDENTIAL ENTRANCE
 ** HMA DRIVEWAY - COMMERCIAL ENTRANCE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING AND PROPOSED
 ROADWAY PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

SCALE: VERT. 1" = 50'
 HORIZ.
 DATE: 12/12/2007

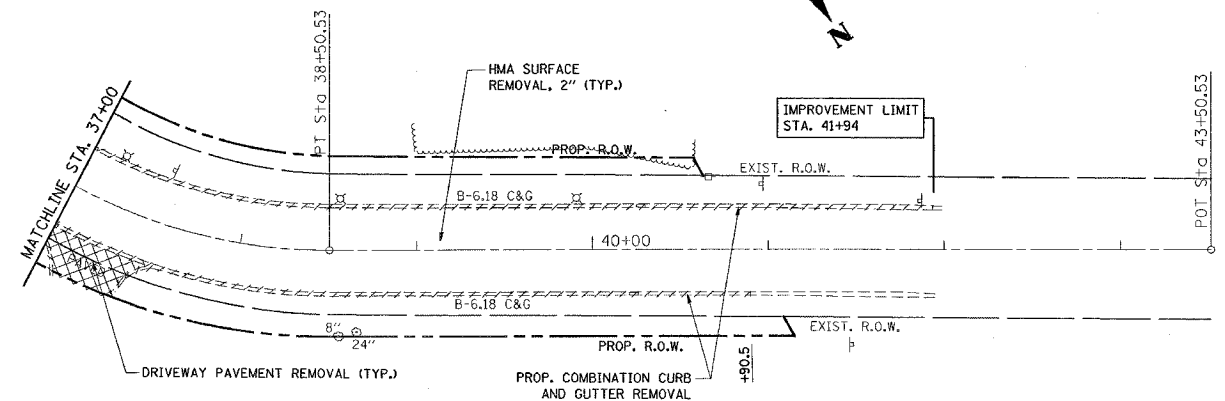
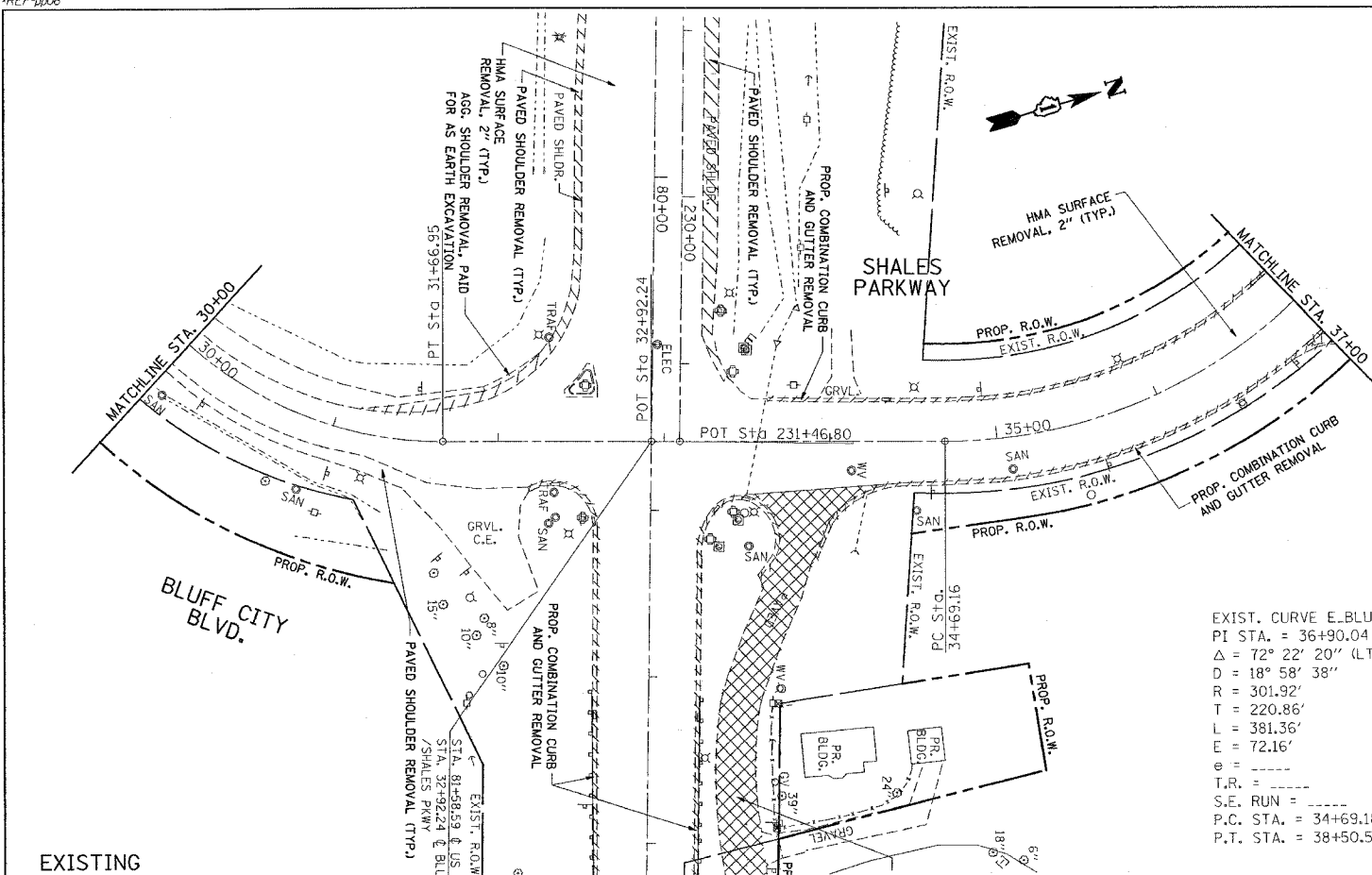
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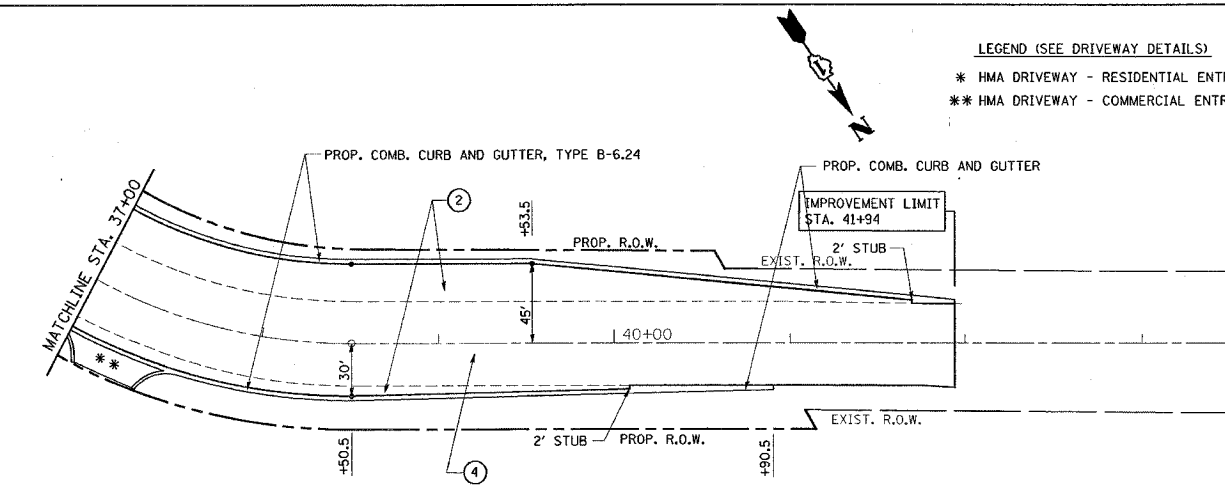
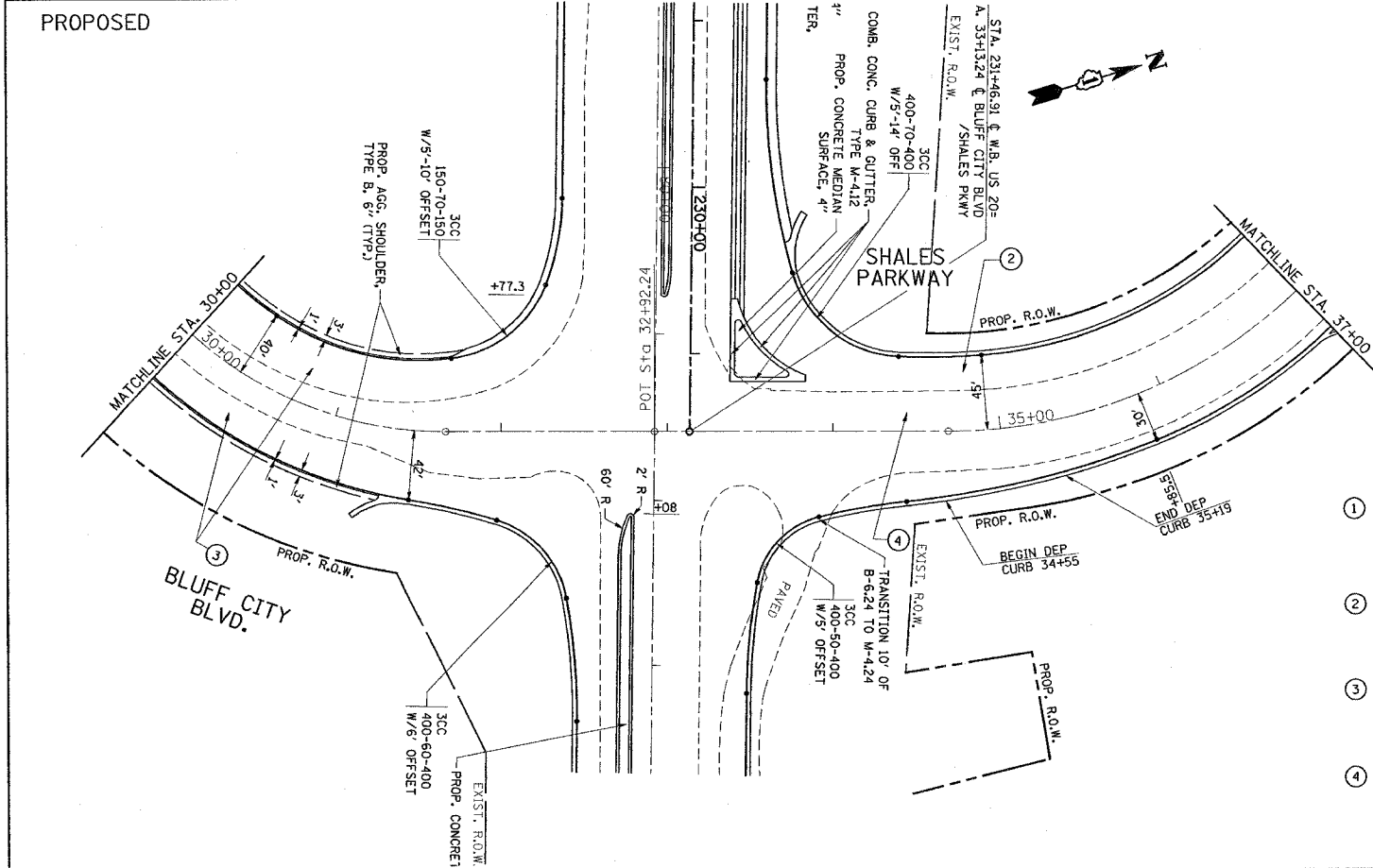
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	22
STA. 30+00		TO STA. 37+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62617



EXIST. CURVE E. BLUFF-2
 PI STA. = 36+90.04
 $\Delta = 72^\circ 22' 20''$ (L.T.)
 $D = 18^\circ 58' 38''$
 $R = 301.92'$
 $T = 220.86'$
 $L = 381.36'$
 $E = 72.16'$
 $\theta =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 34+69.18$
 $P.T. STA. = 38+50.54$

EXISTING



LEGEND (SEE DRIVEWAY DETAILS)
 * HMA DRIVEWAY - RESIDENTIAL ENTRANCE
 ** HMA DRIVEWAY - COMMERCIAL ENTRANCE

- ① U.S. ROUTE 20 (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
- ② SHALES PKWY. (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 1 3/4"
- ③ BLUFF CITY BLVD. (WIDENING)
 PROP. AGGREGATE SUBGRADE, 12"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4"
- ④ RESURFACING FOR EXISTING PAVEMENT
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING AND PROPOSED
 ROADWAY PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

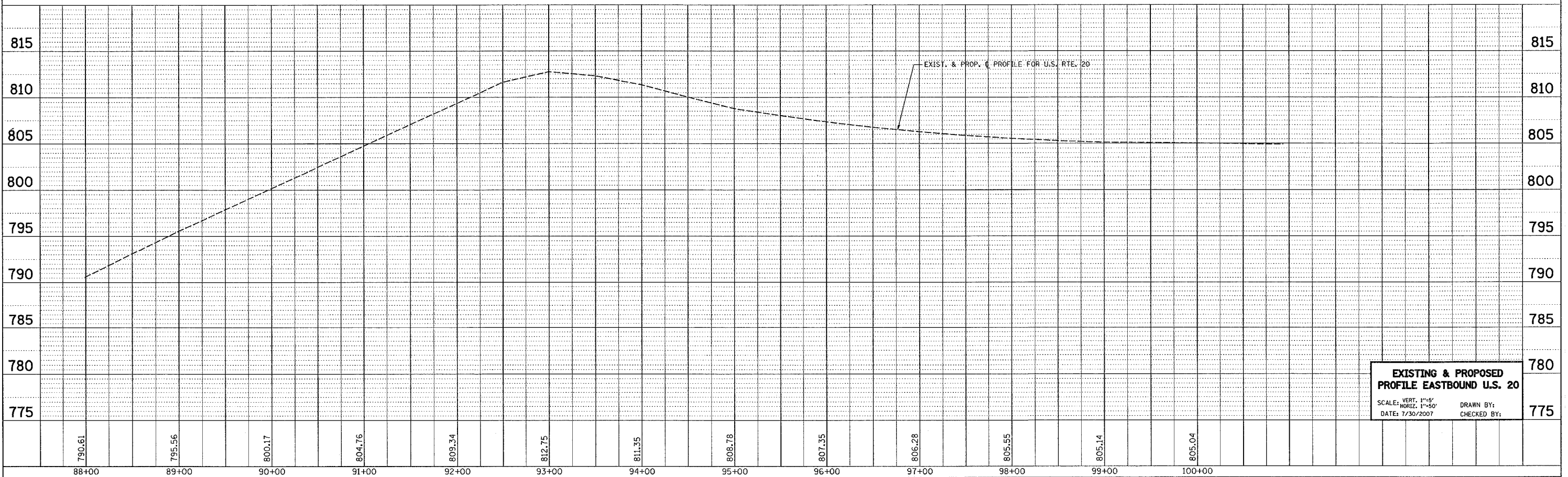
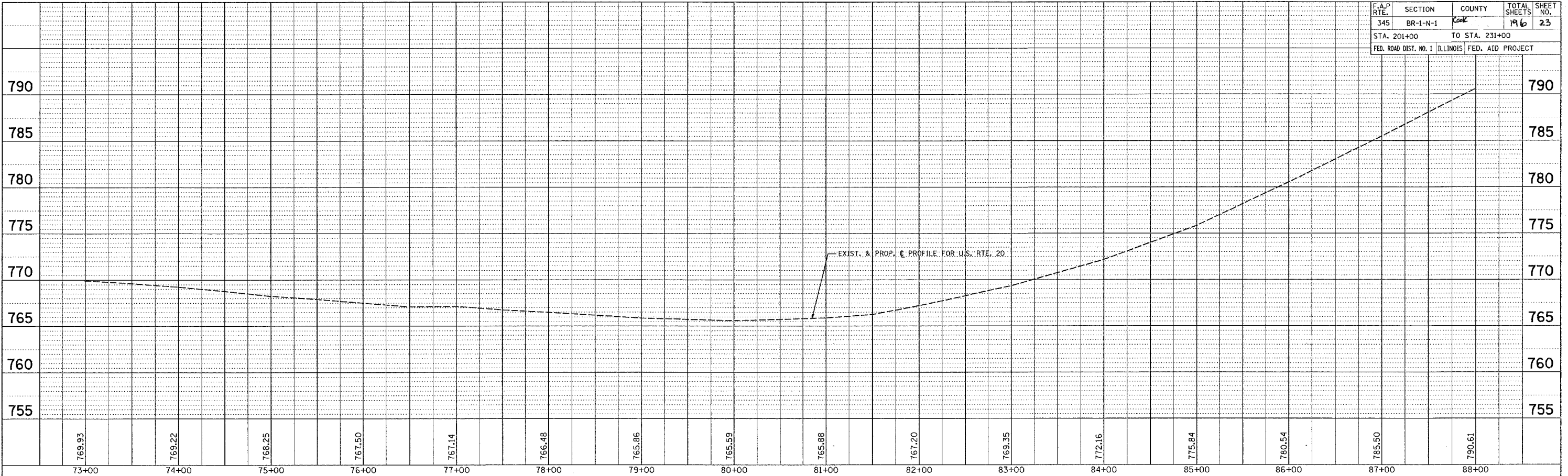
SCALE: VERT. 1" = 50'
 HORIZ.
 DATE 11/15/2007
 DRAWN BY
 CHECKED BY

*REF-prof01

*REF-prof02

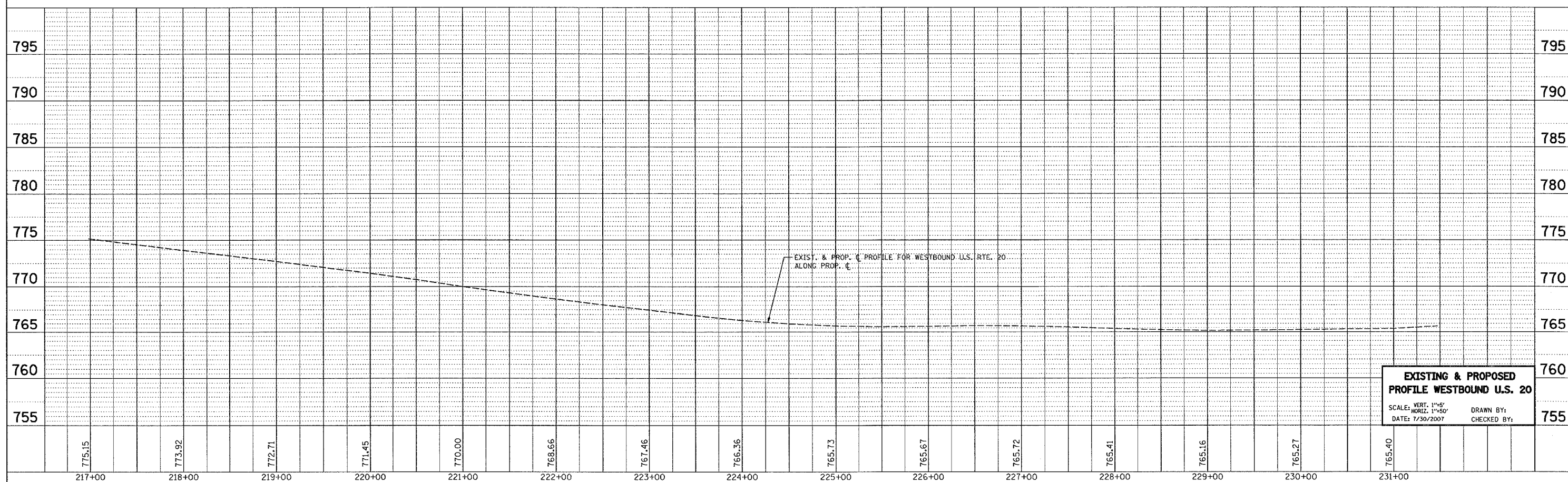
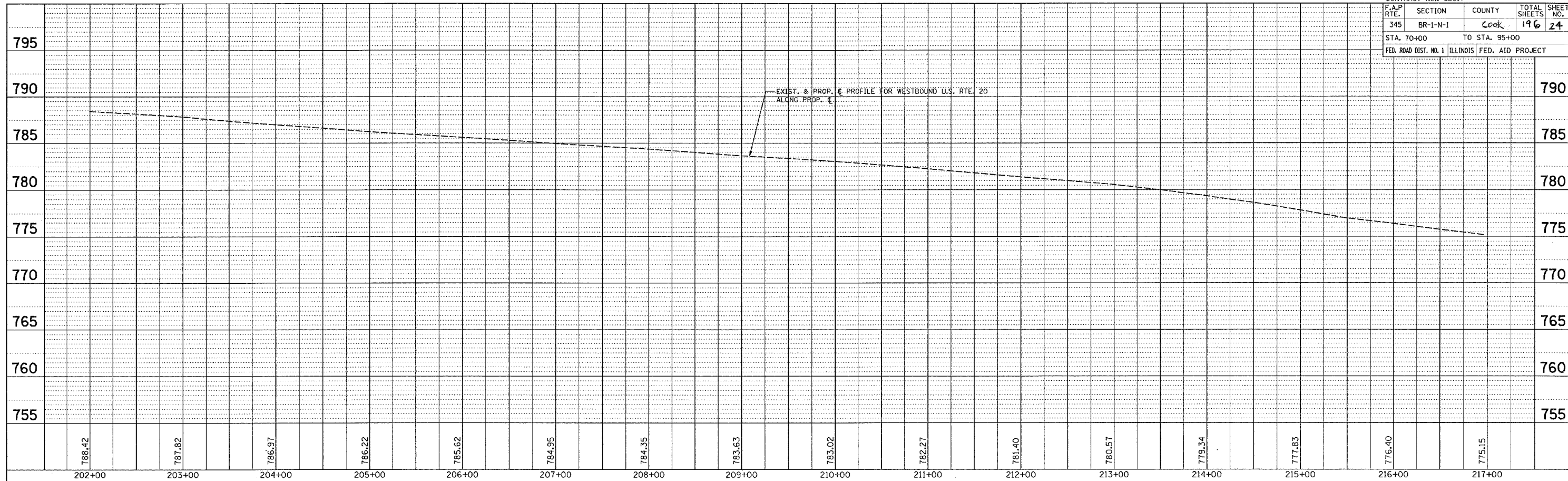
CONTRACT NO. 62617

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	Coal	196	23
STA. 201+00 TO STA. 231+00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**EXISTING & PROPOSED
PROFILE EASTBOUND U.S. 20**
SCALE: VERT. 1"=5'
HORIZ. 1"=50'
DATE: 7/30/2007
DRAWN BY:
CHECKED BY:

CONTRACT NO.: 62617				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	Cook	196	24
STA. 70+00		TO STA. 95+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

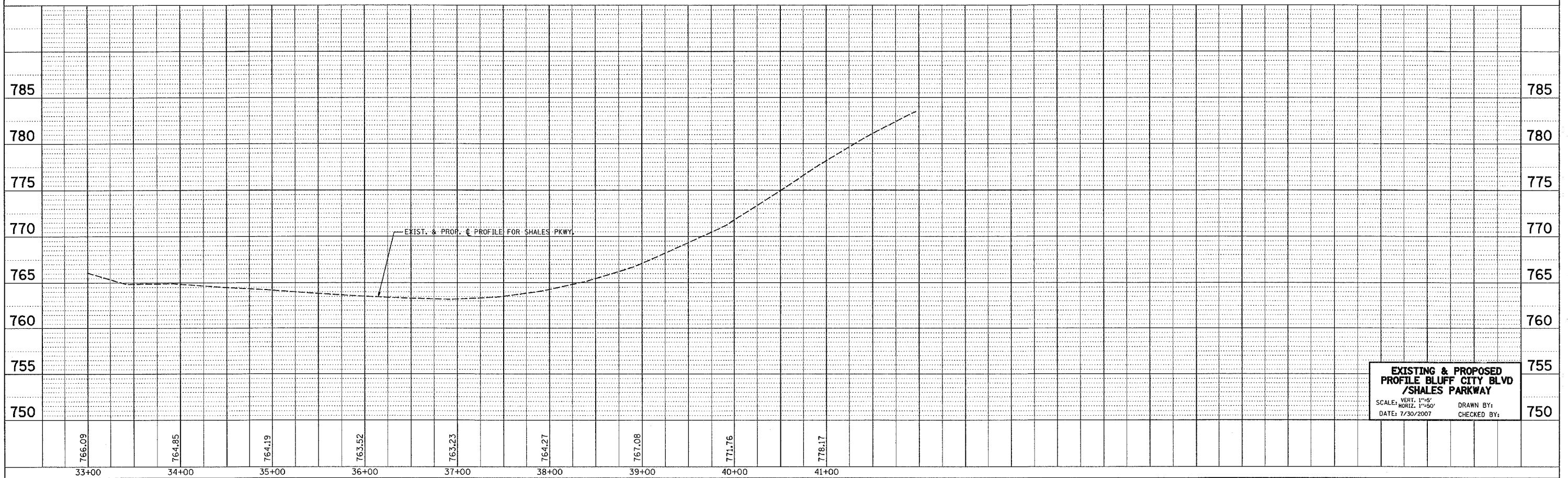
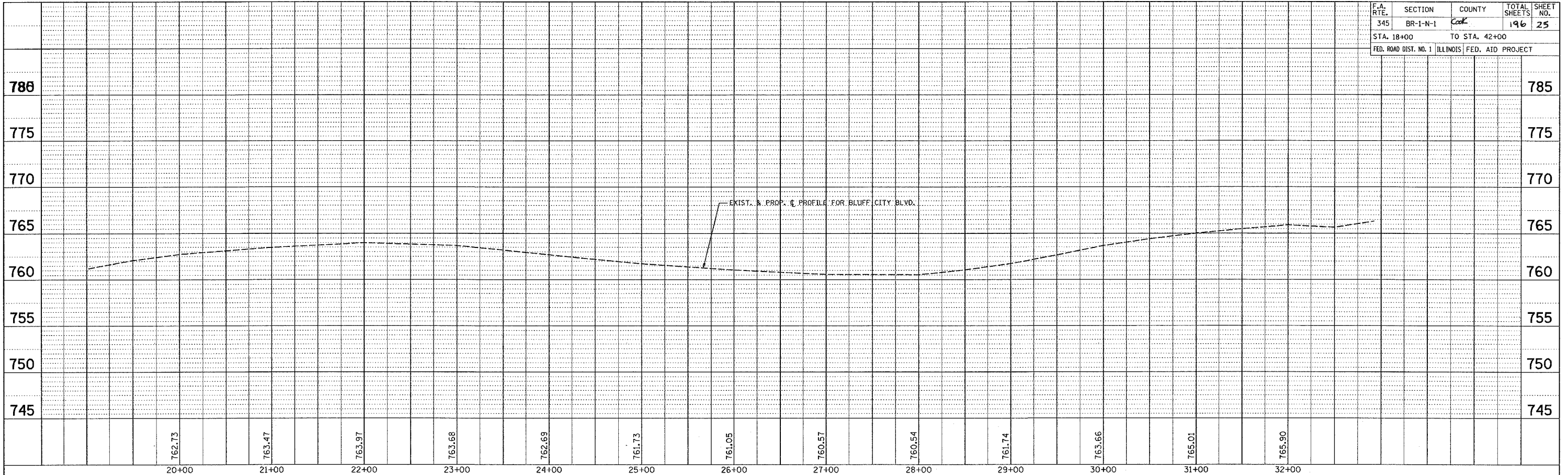


EXISTING & PROPOSED PROFILE WESTBOUND U.S. 20
 SCALE: VERT. 1"=5'
 HORIZ. 1"=50'
 DATE: 7/30/2007
 DRAWN BY:
 CHECKED BY:

*REF-prd05
*REF-prd06

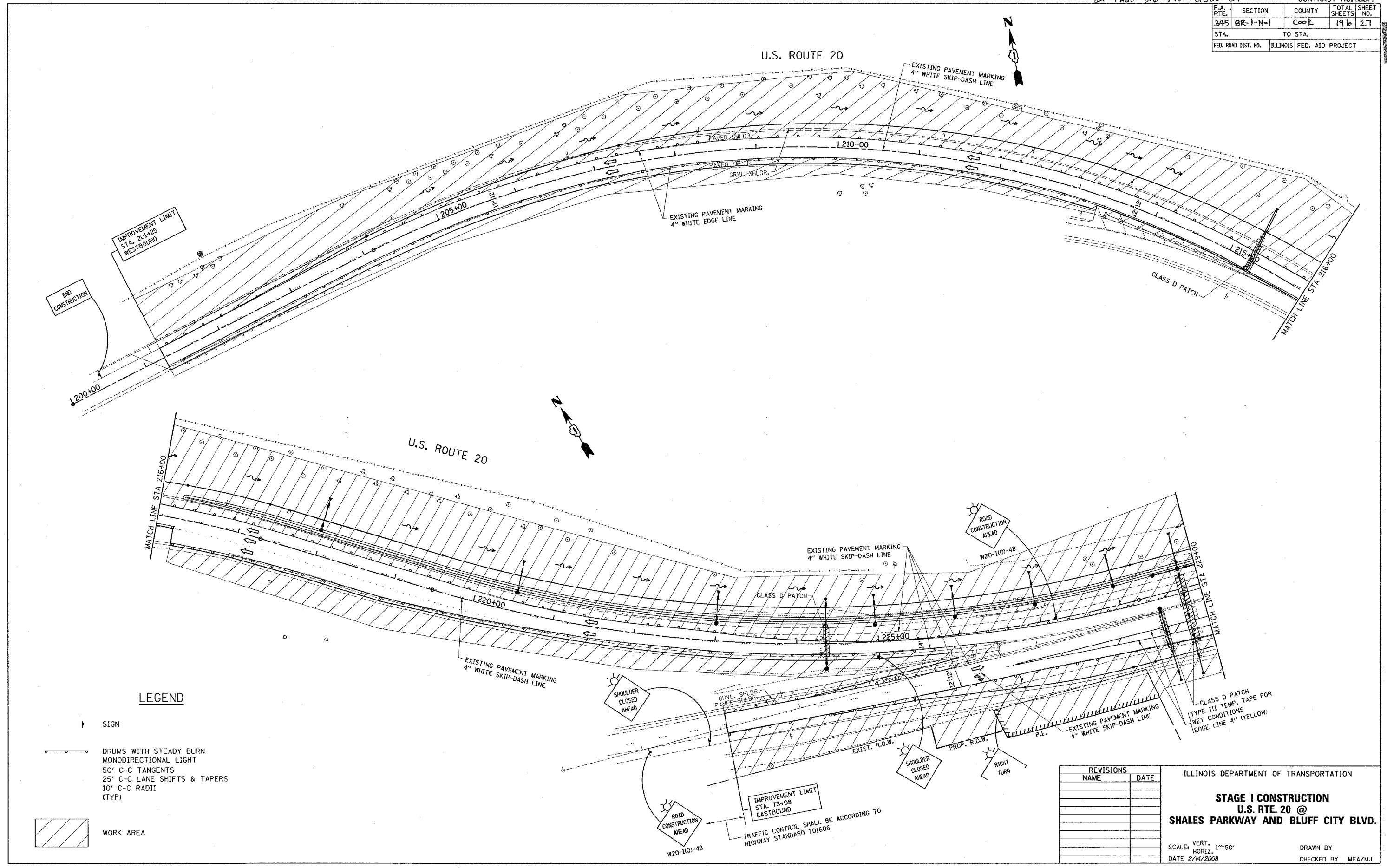
CONTRACT NO.: 62617

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	25
STA. 18+00 TO STA. 42+00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**EXISTING & PROPOSED
PROFILE BLUFF CITY BLVD
/SHALES PARKWAY**
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE: 7/30/2007
DRAWN BY:
CHECKED BY:

CONTRACT NO. 62617			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
345	BR-1-N-1	COOK	196
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



LEGEND

- ↑ SIGN
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
- ▨ WORK AREA

PLOT DATE = 2/14/2008
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 PLOT SCALE = 50.0000 / 1 IN.
 USER NAME = drivekogn

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

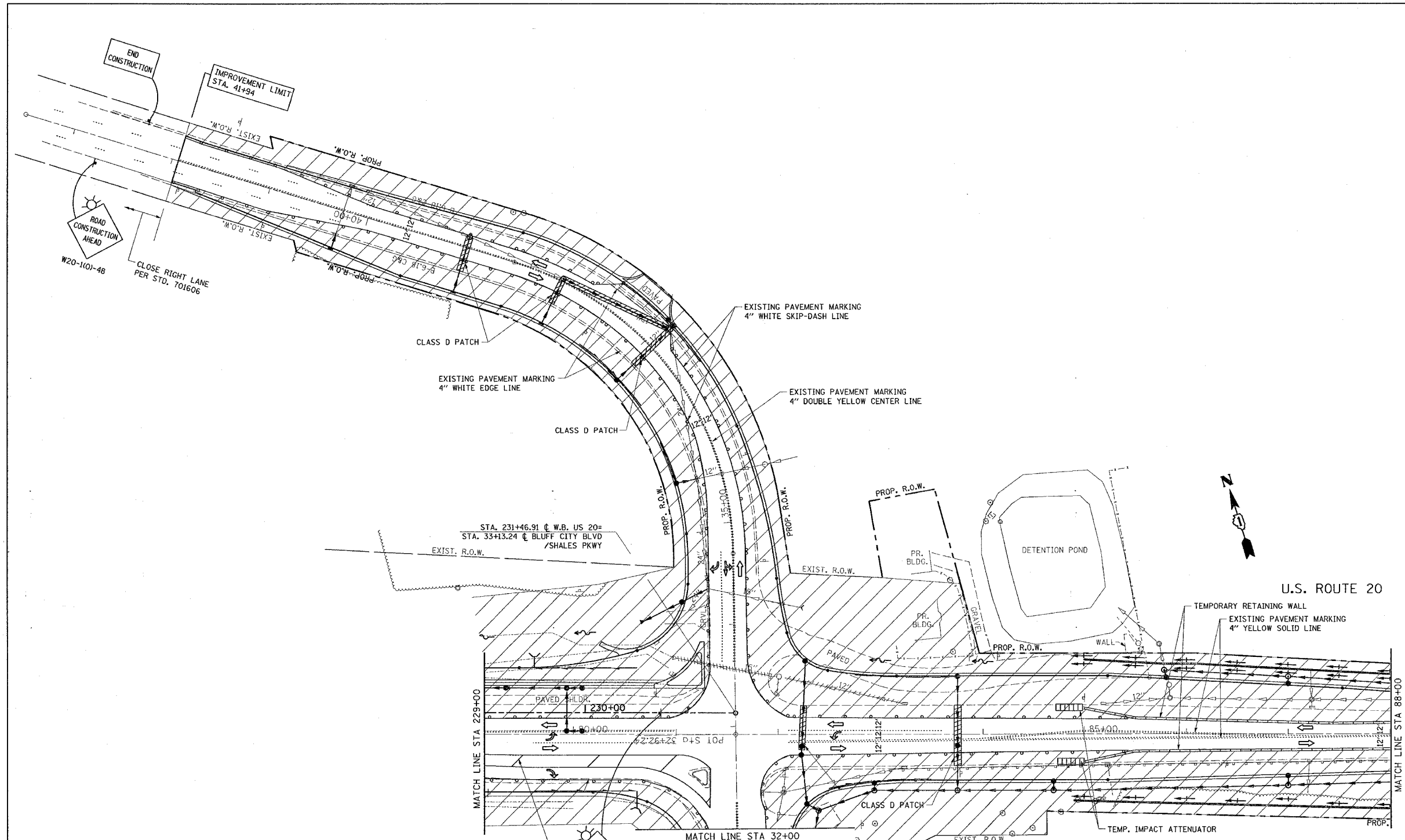
**STAGE I CONSTRUCTION
 U.S. RTE. 20 @
 SHALES PARKWAY AND BLUFF CITY BLVD.**

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 2/14/2008



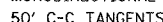
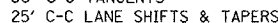
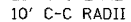
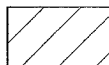

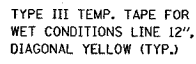
DRAWN BY
 CHECKED BY MEA/MJ

TRAFFIC CONTROL SHALL BE ACCORDING TO
 HIGHWAY STANDARD 701606

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	82-1-N-1	COOK	196	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  50' C-C TANGENTS
-  25' C-C LANE SHIFTS & TAPERS
-  10' C-C RADII (TYP)
-  WORK AREA
-  SHOULDER CLOSED AHEAD
-  TYPE III TEMP. TAPE FOR WET CONDITIONS LINE 12", DIAGONAL YELLOW (TYP.)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE I CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

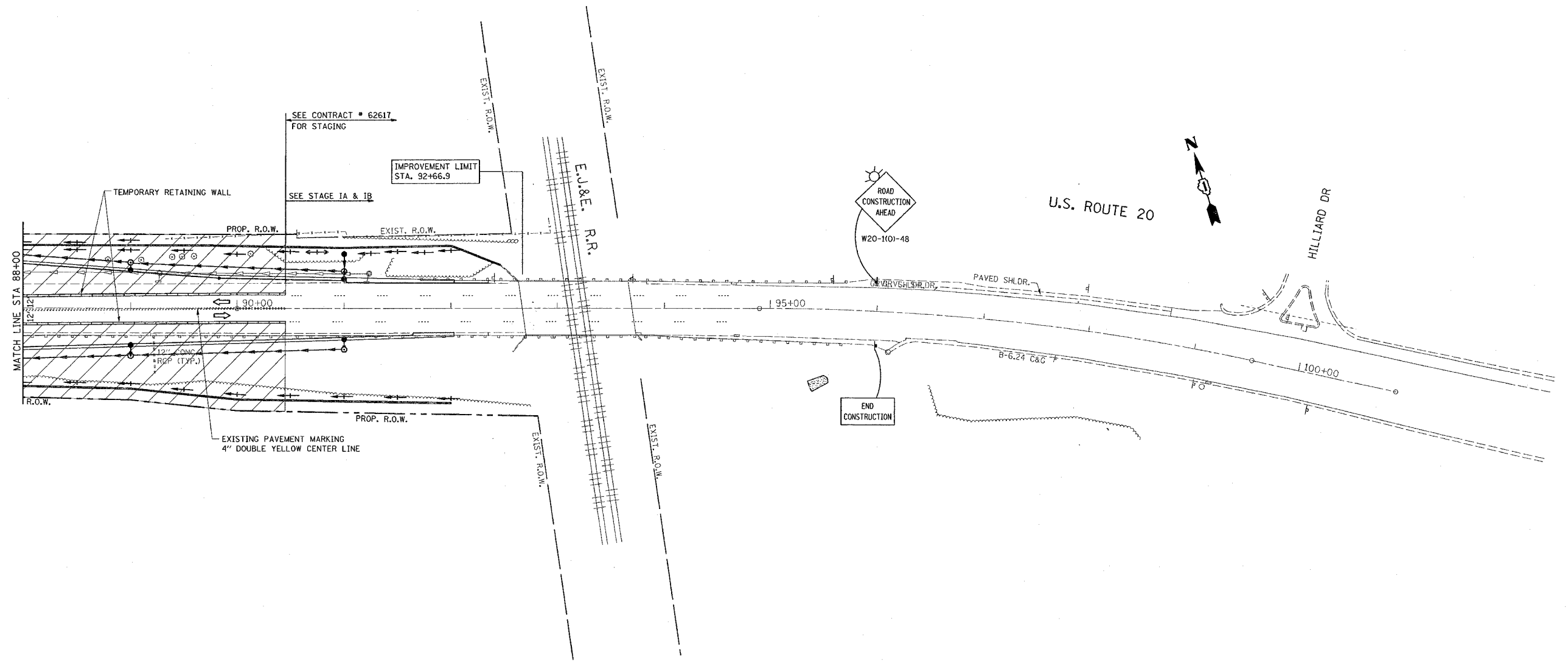
SCALE: VERT. 1"=50'
 HORIZ. 1"=100'
 DATE 2/14/2008

DRAWN BY
 CHECKED BY MEA/MJ




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 USER NAME = drivakogm

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	02-1-N-1	COOK	196	29
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE:
COVER EXISTING CONFLICTING PAVEMENT MARKINGS WITH BLACK TYPE III TAPE. THE COST AND ITS REMOVAL IS INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)"



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
-  WORK AREA

PLOT DATE = 2/14/2008
 PLOT SCALE = 50.0000' / IN.
 USER NAME = drvakapgn

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

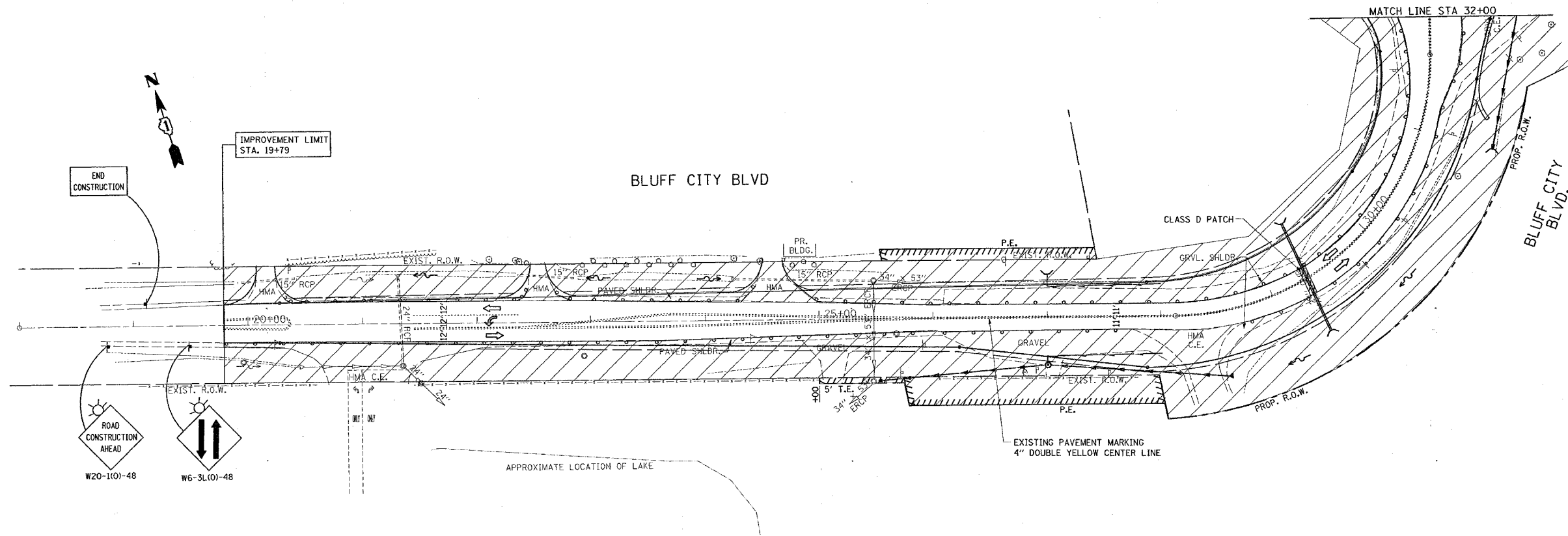
STAGE I CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'

DATE 2/14/2008

DRAWN BY
 CHECKED BY MEA/MJ

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	Cook	196	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- SIGN
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
- WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

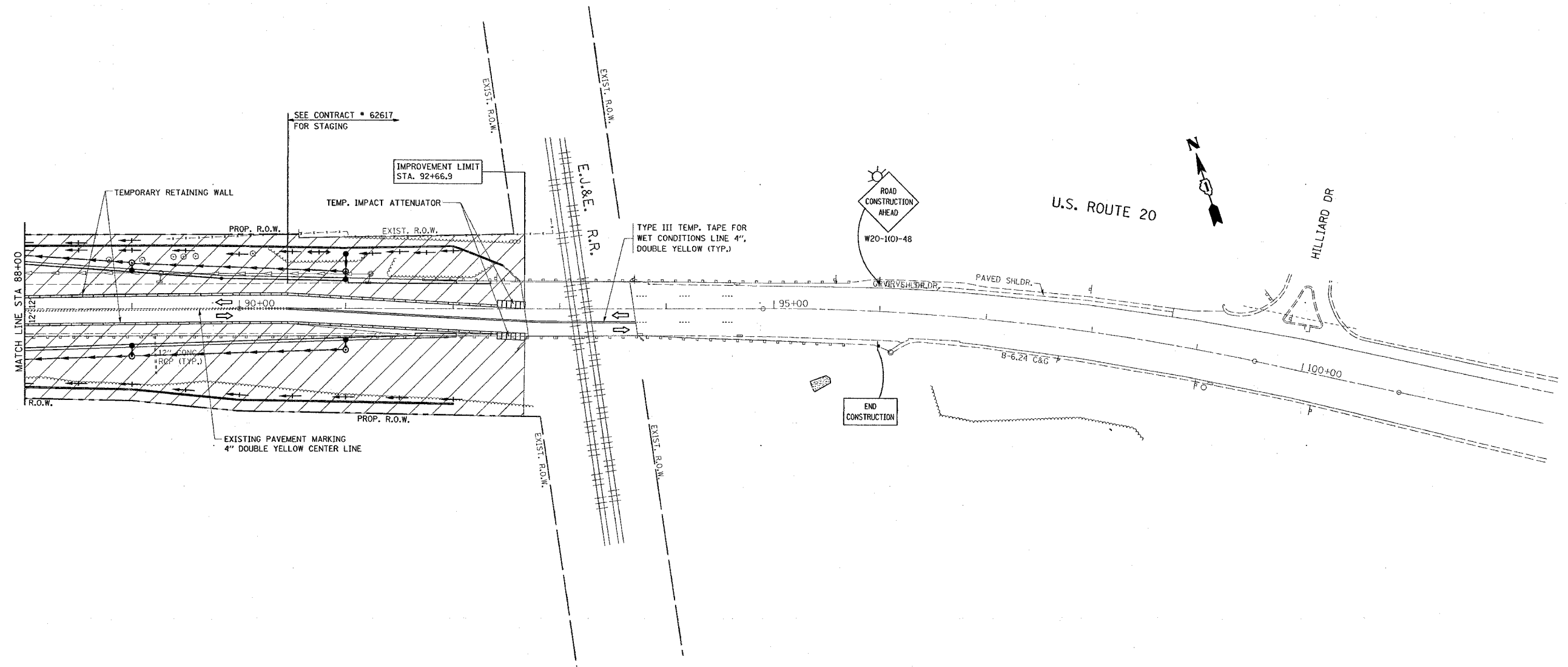
STAGE I CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

SCALE: VERT. 1"=50'
 HORIZ. DATE 2/14/2008



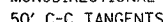
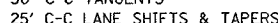
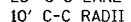
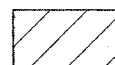
DRAWN BY
 CHECKED BY MEA/MJ

PLOT DATE = 2/14/2008
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 USER NAME = drvakogm

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	82-1-N-1	Cook	196	31
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  50' C-C TANGENTS
-  25' C-C LANE SHIFTS & TAPERS
-  10' C-C RADII (TYP)
-  WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

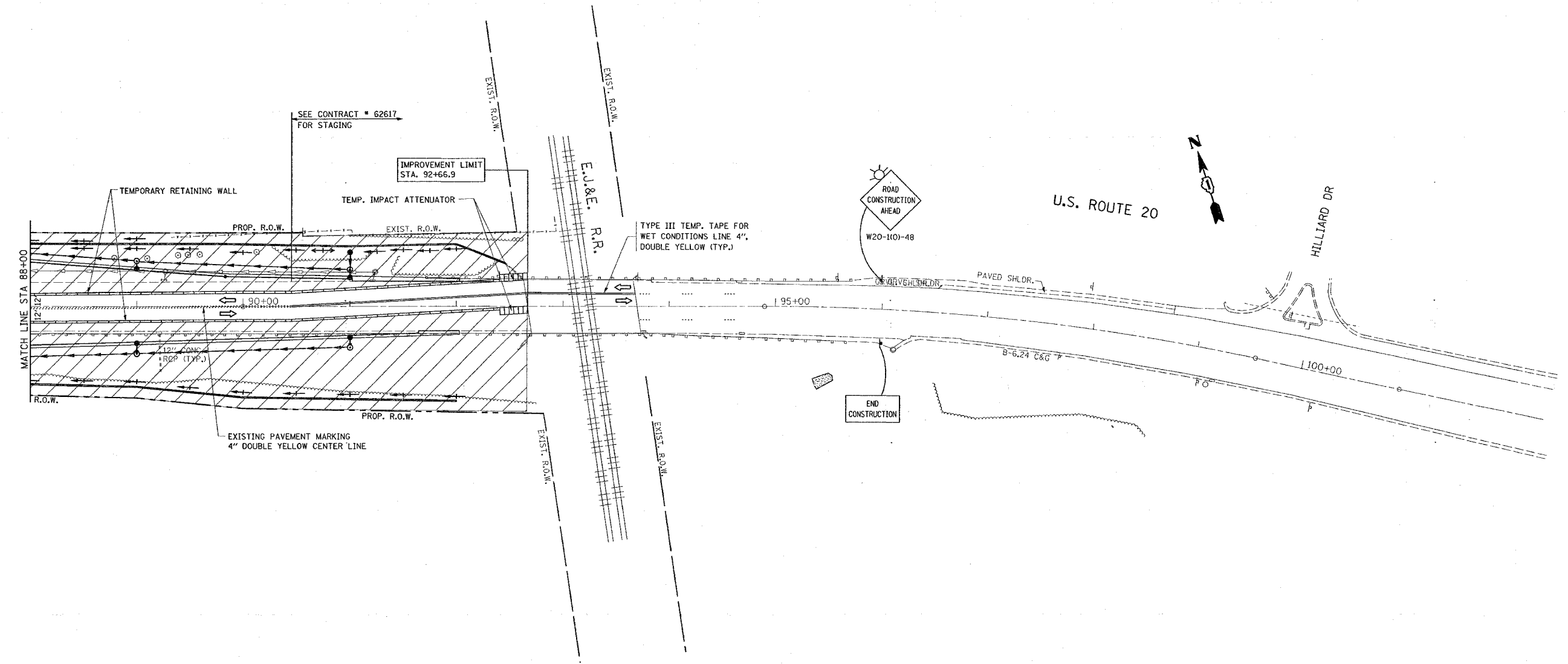
STAGE IA CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

SCALE: VERT. 1"=50'
 HORIZ. DATE 2/14/2008



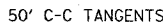
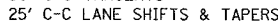
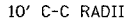
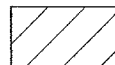
DRAWN BY
 CHECKED BY MEA/MJ

PLOT DATE = 2/14/2008
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 PLOT SCALE = 50.0000' / 1" IN.
 USER NAME = drivekong

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
245	82-1-N-1	Cook	196	32
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  50' C-C TANGENTS
-  25' C-C LANE SHIFTS & TAPERS
-  10' C-C RADII (TYP)
-  WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

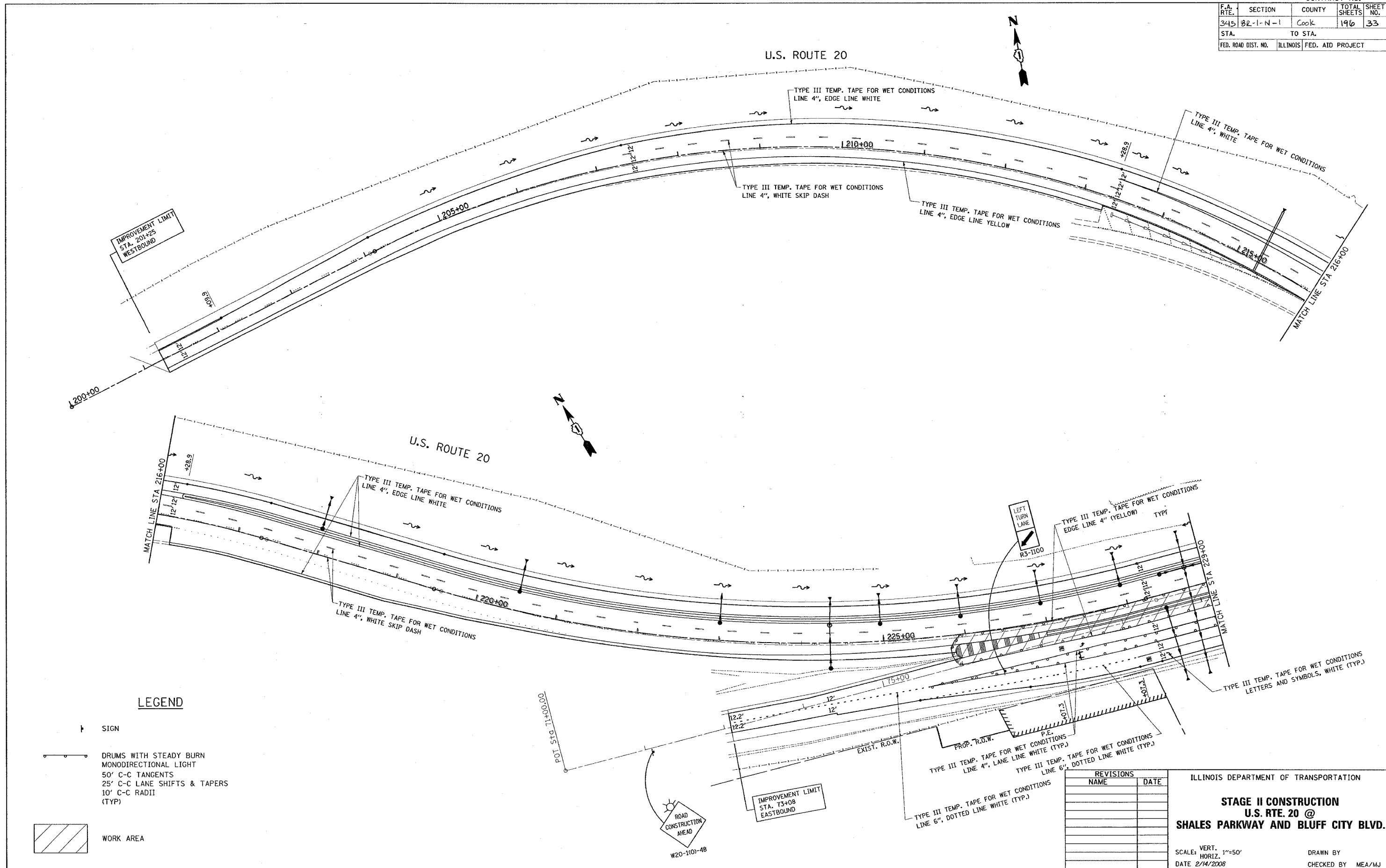
STAGE 1B CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

SCALE: VERT. 1"=50'
 HORIZ. 1"=100'
 DATE 2/14/2008



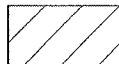
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 CHECKED BY MEA/MJ

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CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	82-1-N-1	Cook	196	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
-  WORK AREA

PLOT DATE = 2/14/2008
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 USER NAME = drivekong

REVISIONS	
NAME	DATE

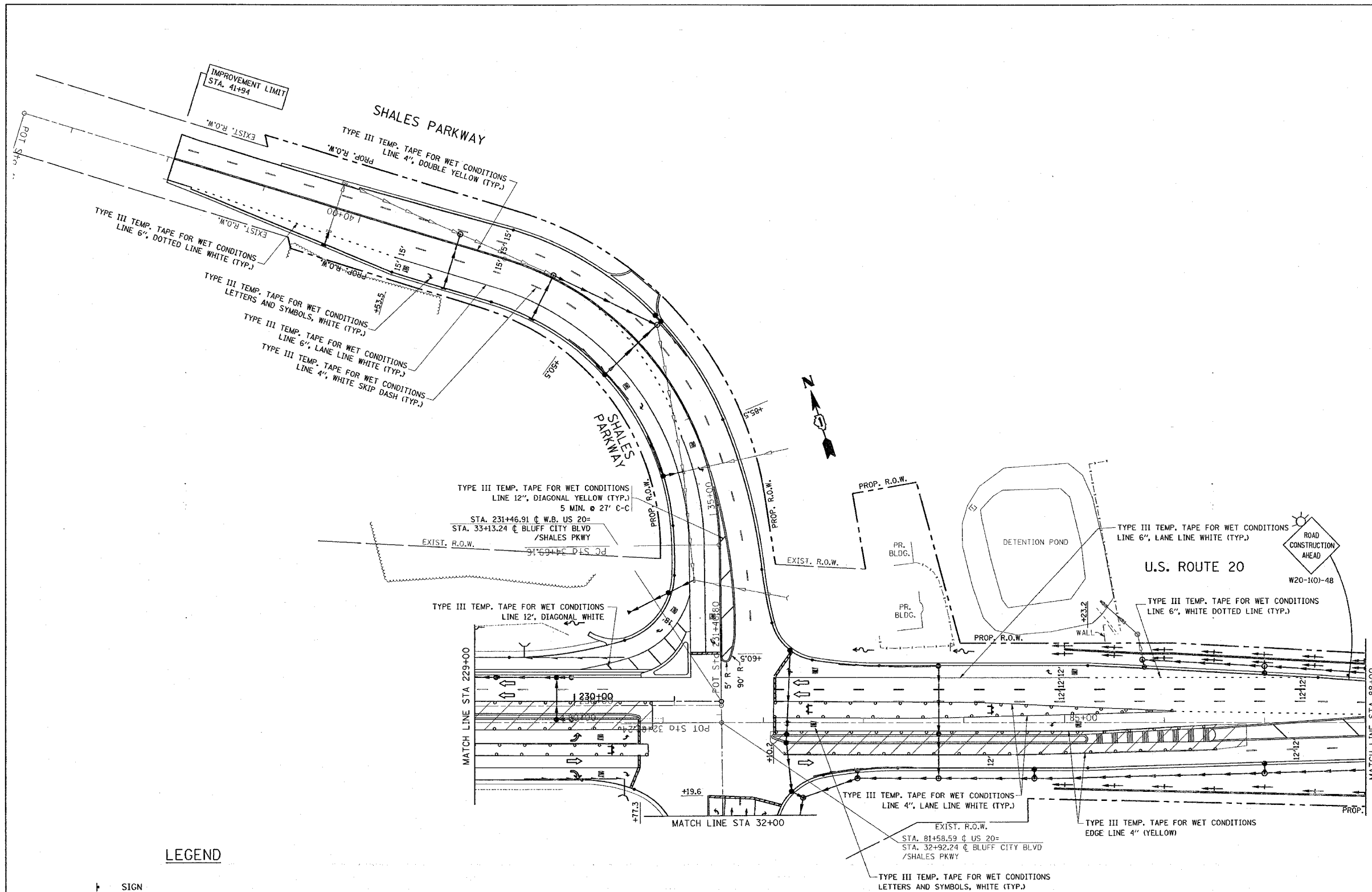
ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE II CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.



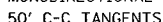

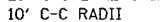
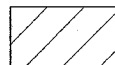
SCALE: VERT. 1"=50'
 HORIZ. DATE 2/14/2008

DRAWN BY
 CHECKED BY MEA/MJ

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
395	82-1-N-1	Cook	196	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  50' C-C TANGENTS
-  25' C-C LANE SHIFTS & TAPERS
-  10' C-C RADII (TYP)
-  WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

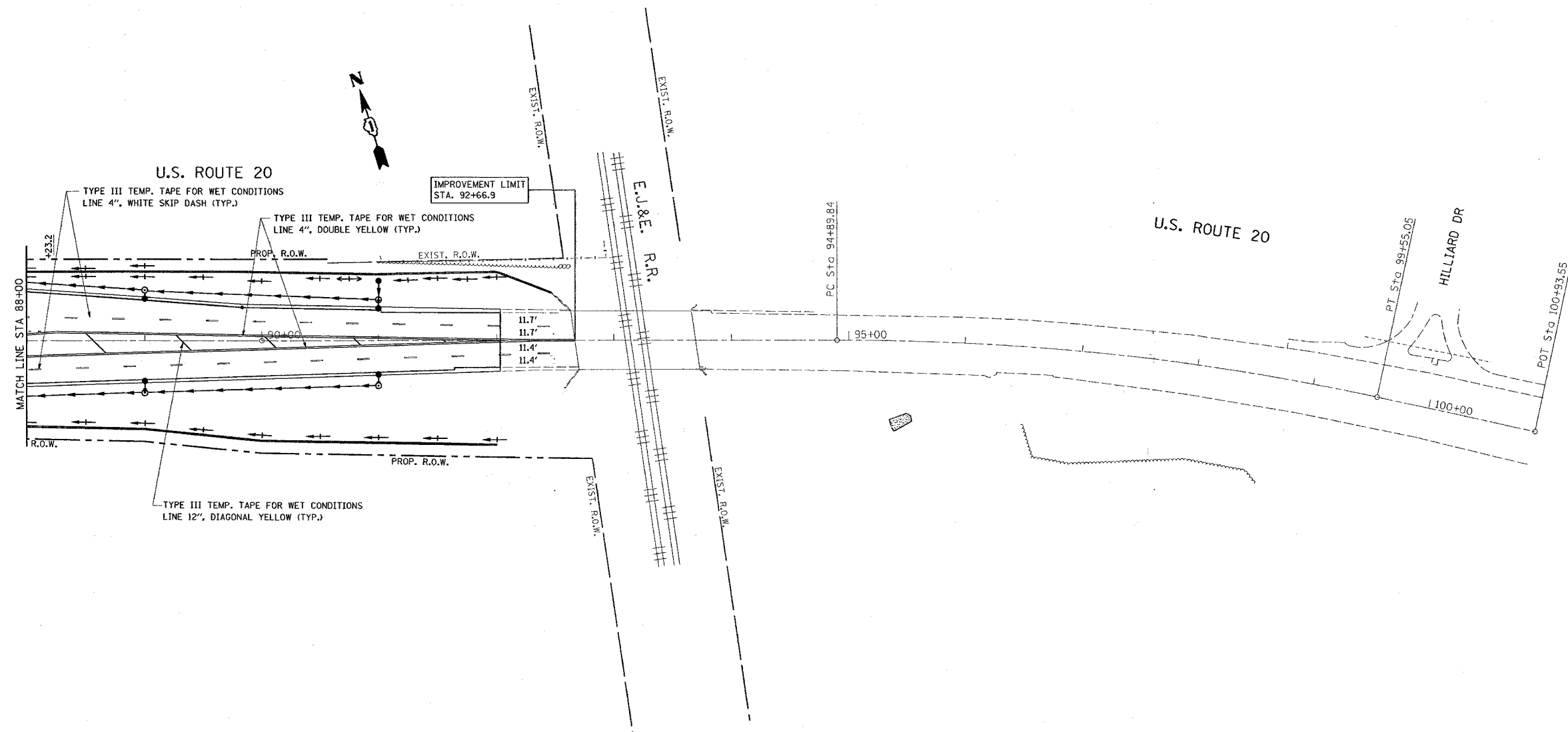
STAGE II CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

SCALE: VERT. 1"=50'
 HORIZ.
 DATE 2/14/2008



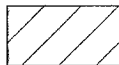
DRAWN BY
 CHECKED BY MEA/MJ

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 PLOT SCALE = 50.0000 / 1 IN.
 USER NAME = drakecagn

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2R-1-N-1	COOK	196	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN
MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
-  WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

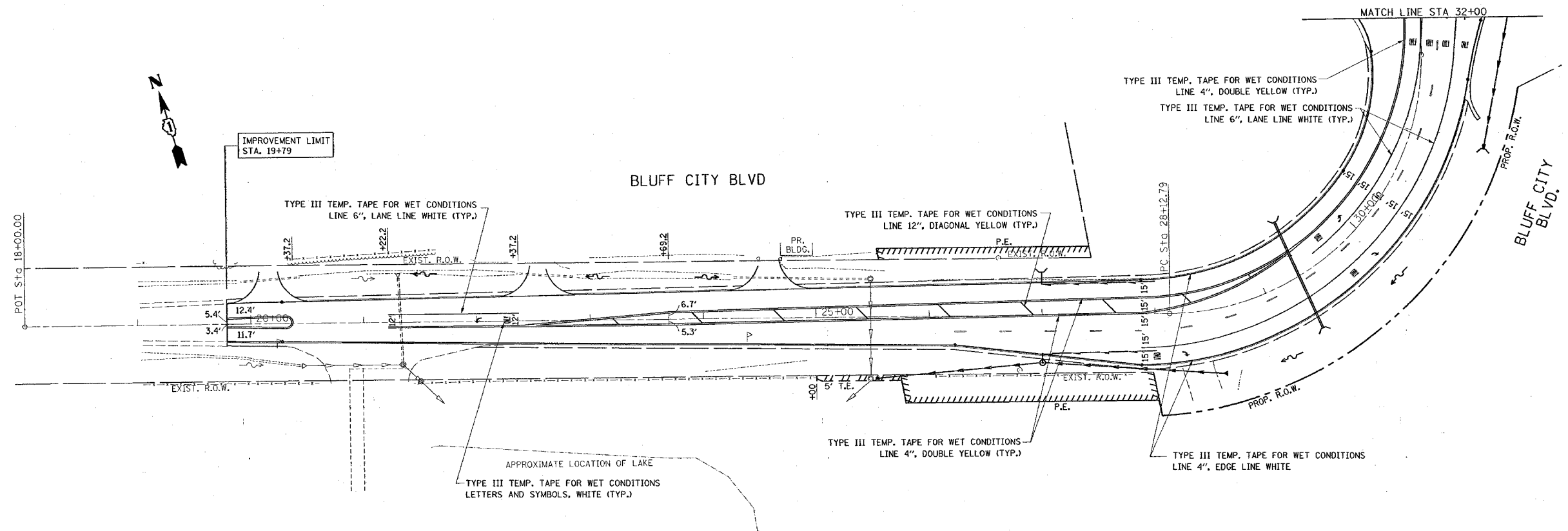
STAGE II CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

SCALE: VERT. 1"=50'
 HORIZ. DATE 2/14/2008



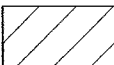
DRAWN BY
 CHECKED BY MEA/MJ

PLOT DATE = 2/14/2008
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 USER NAME = drvelkoy

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	Cook	196	36
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
-  WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE II CONSTRUCTION
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

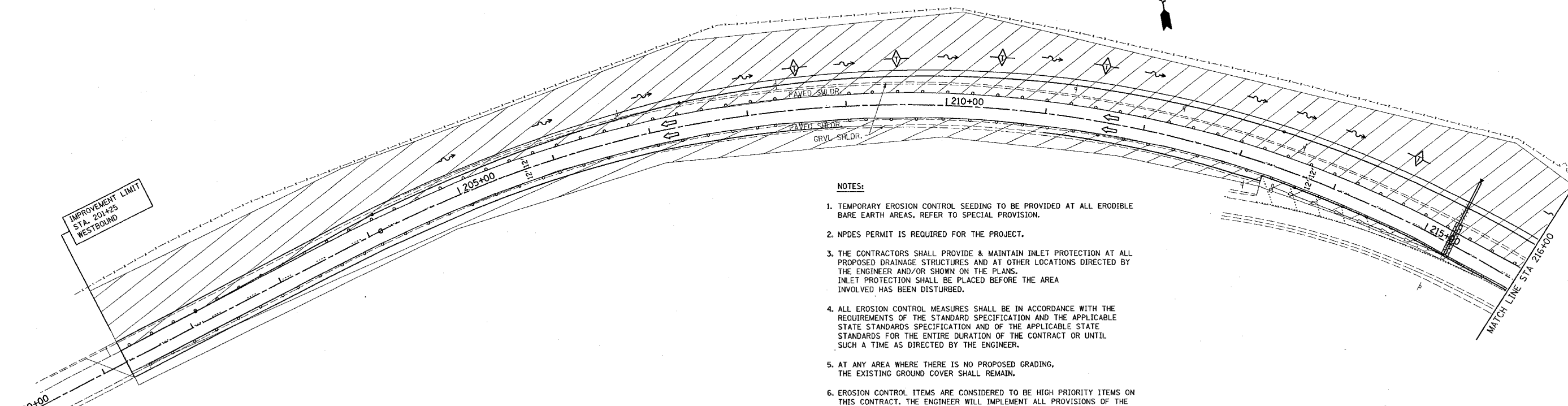
SCALE: VERT. 1"=50'
 HORIZ. DATE 2/14/2008

DRAWN BY
 CHECKED BY MEA/MJ

PLOT DATE = 2/14/2008
 PLOT TIME = 10:00 AM
 PLOT SCALE = 1"=50'
 USER NAME = driskocapn

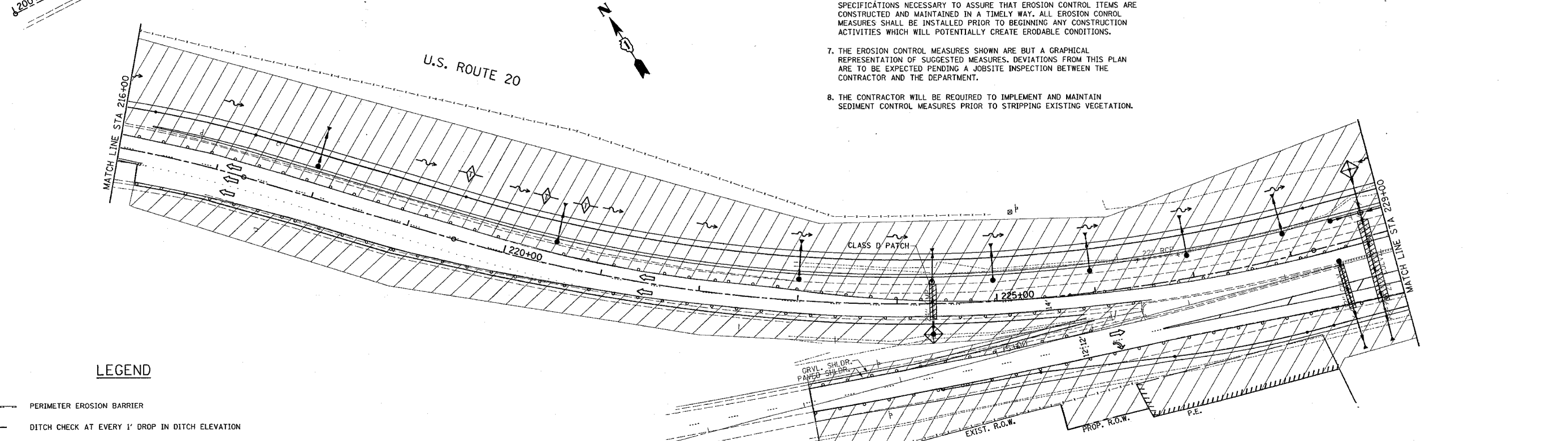
CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	82-1-N-1	Cook	196	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

U.S. ROUTE 20



NOTES:

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISION.
2. NPDES PERMIT IS REQUIRED FOR THE PROJECT.
3. THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED BEFORE THE AREA INVOLVED HAS BEEN DISTURBED.
4. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATION AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
6. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.



LEGEND

- PERIMETER EROSION BARRIER
- DITCH CHECK AT EVERY 1' DROP IN DITCH ELEVATION
- SWALE
- DITCH
- INLET PROTECTION
- WORK AREA

REVISIONS	
NAME	DATE

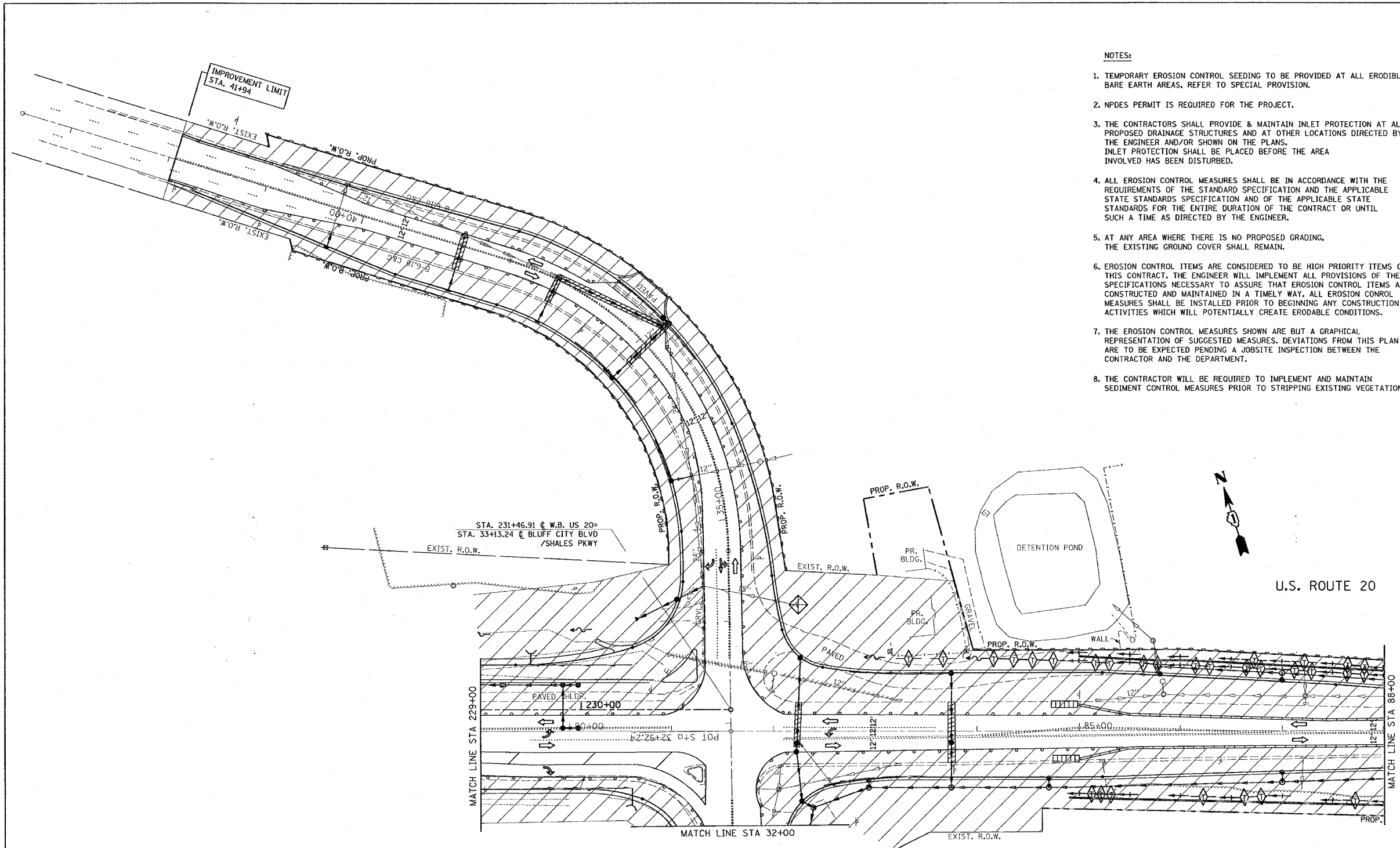
ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I EROSION CONTROL PLAN
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 2/14/2008
 DRAWN BY
 CHECKED BY

PLOT DATE = 2/14/2008
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 PLOT SCALE = 50.0000 / 1 IN.
 USER NAME = drivelogin

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	82-1-N-1	COOK	196	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTES:

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LEGEND

- PERIMETER EROSION BARRIER
- DITCH CHECK AT EVERY 1' DROP IN DITCH ELEVATION
- SWALE
- DITCH
- INLET PROTECTION
- WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE I EROSION CONTROL PLAN
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

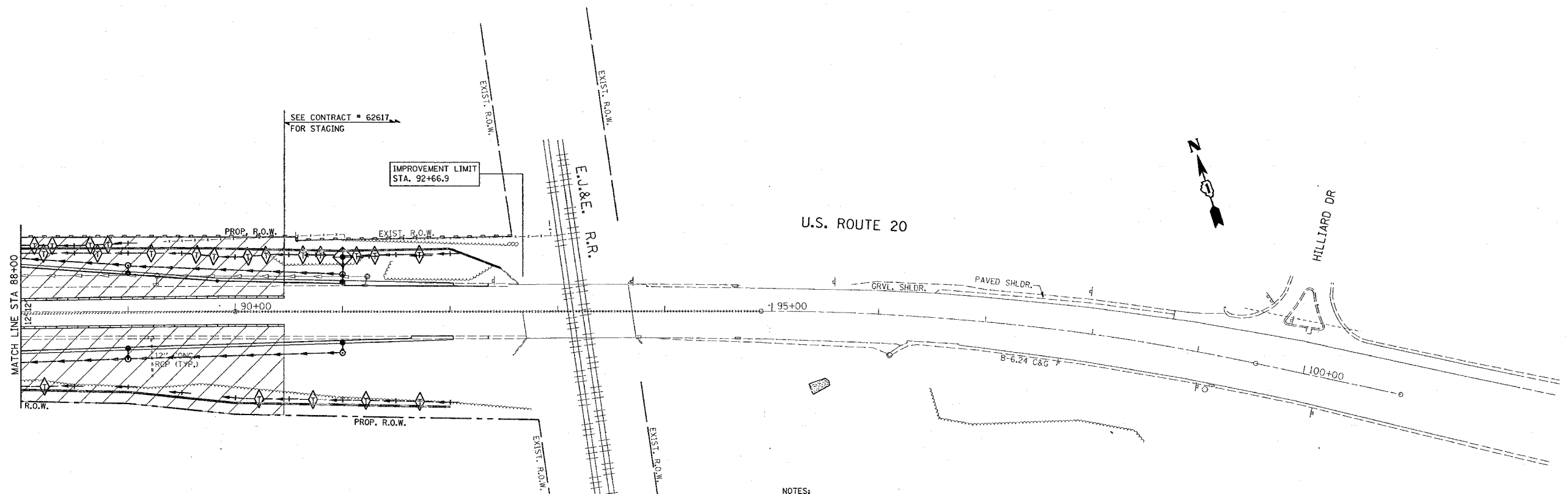
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 DATE 2/11/2008

DRAWN BY
 CHECKED BY

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 USER NAME = drcakapgr

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	82-1-N-1	Cook	196	39
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE:
COVER EXISTING CONFLICTING PAVEMENT MARKINGS WITH BLACK TYPE III TAPE. THE COST AND ITS REMOVAL IS INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)"



NOTES:

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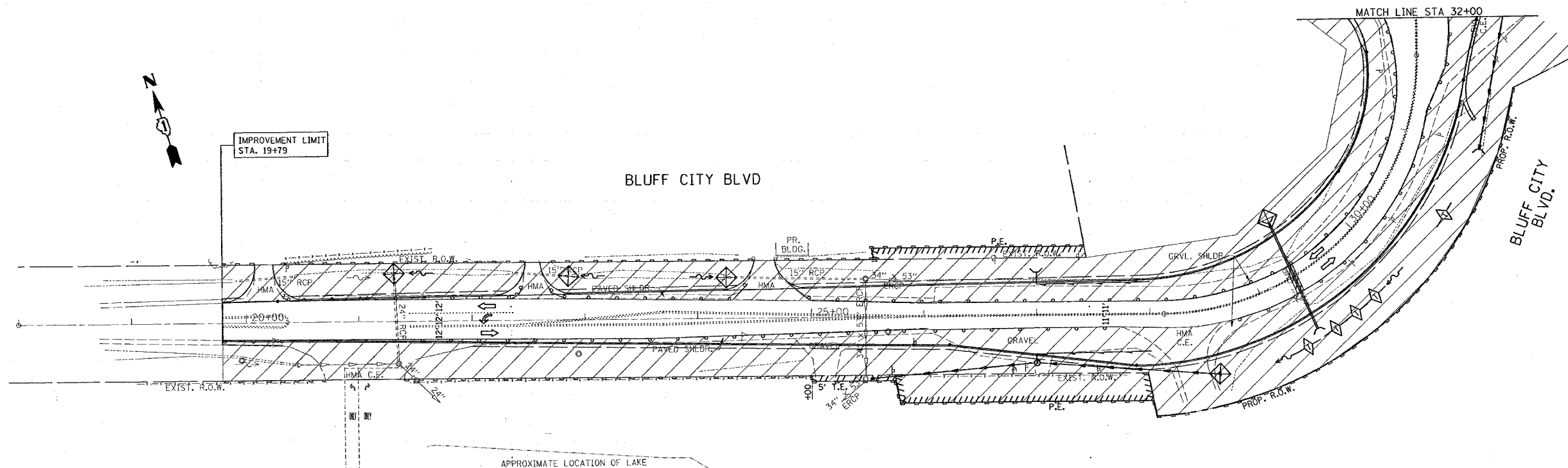
LEGEND

- PERIMETER EROSION BARRIER
- DITCH CHECK AT EVERY 1' DROP IN DITCH ELEVATION
- SWALE
- DITCH
- INLET PROTECTION
- WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I EROSION CONTROL PLAN
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.
SCALE: VERT. 1"=50'
HORIZ.
DATE 2/14/2008
DRAWN BY
CHECKED BY






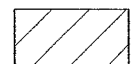
CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	82-1-N-1	Cook	196	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

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LEGEND

-  PERIMETER EROSION BARRIER
-  DITCH CHECK AT EVERY 1' DROP IN DITCH ELEVATION
-  SWALE
-  DITCH
-  INLET PROTECTION
-  WORK AREA

PLOT DATE = 2/14/2008
FILE NAME = c:\projects\113703\shales_erosion.dgn
PLOT SCALE = 50.0000 / IN.
USER NAME = drivekogn

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

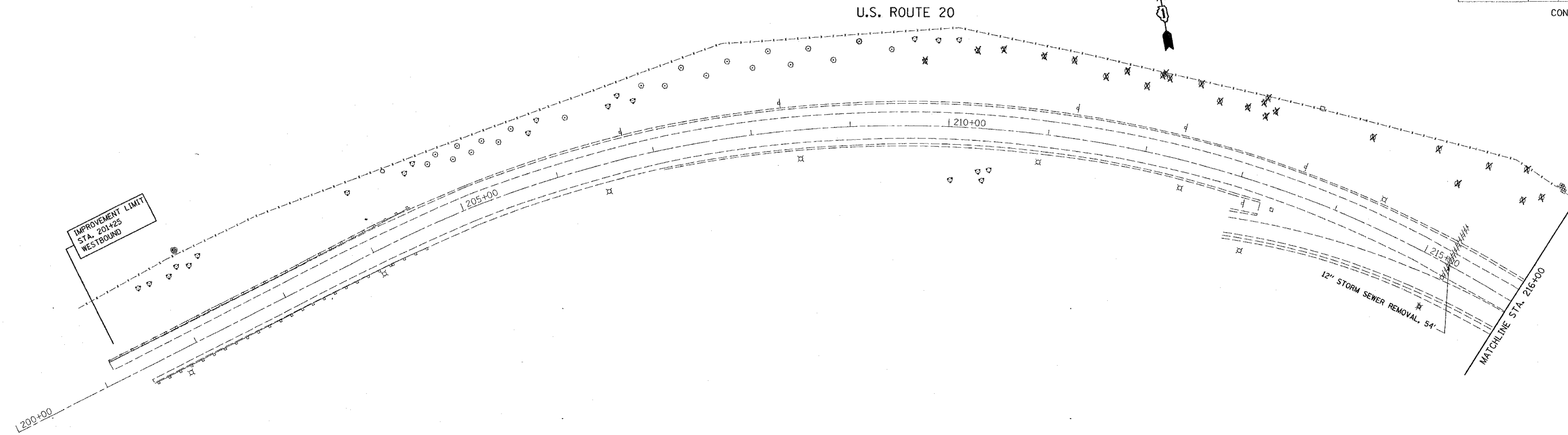
STAGE I EROSION CONTROL PLAN
U.S. RTE. 20 @
SHALES PARKWAY AND BLUFF CITY BLVD.

SCALE: VERT. 1"=50'
HORIZ.
DATE 2/14/2008

DRAWN BY
CHECKED BY

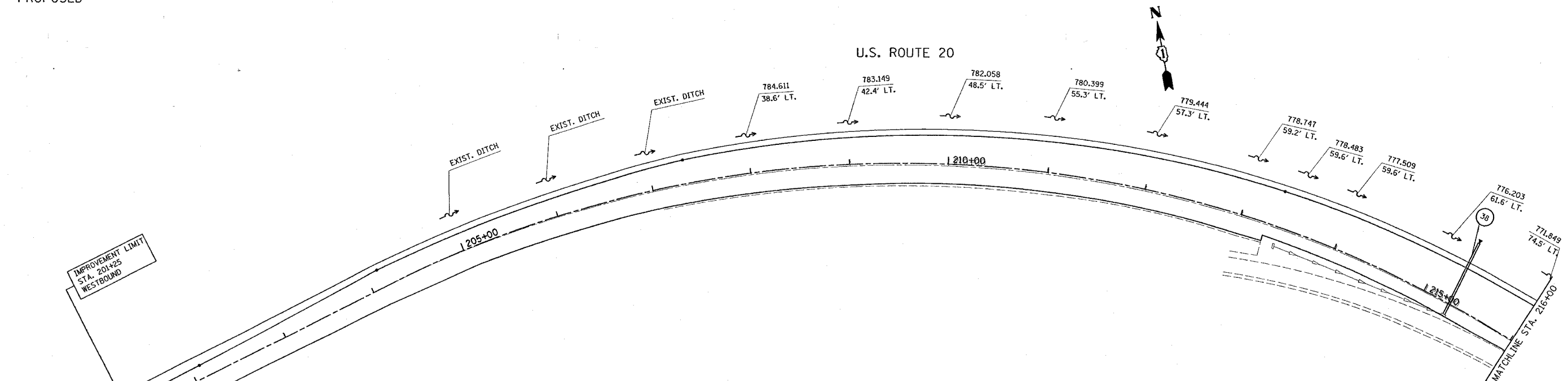
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	41
STA. 201+00		TO STA. 216+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 62617				



EXISTING

PROPOSED



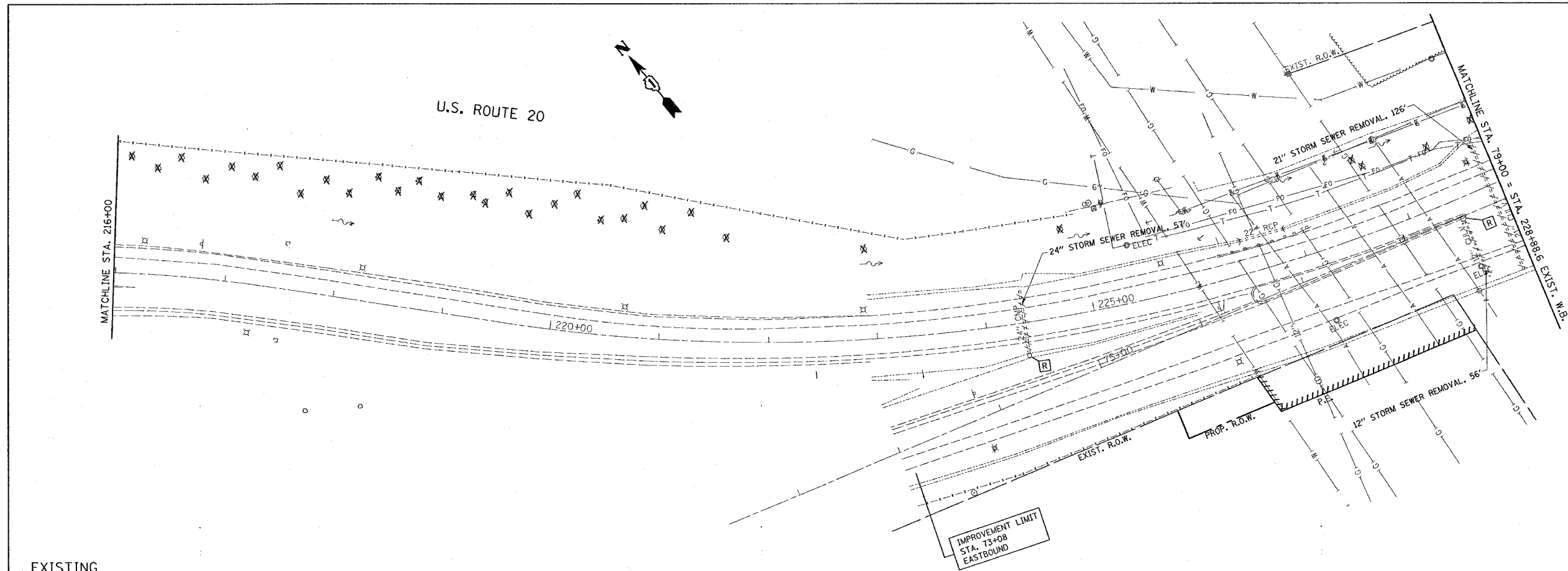
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION EXISTING AND PROPOSED DRAINAGE & UTILITY PLAN U.S. 20 AT BLUFF CITY/ SHALES PKWY.
NAME	DATE	

SCALE: VERT. 1" = 50'
HORIZ. DATE 2/14/2008
DRAWN BY
CHECKED BY

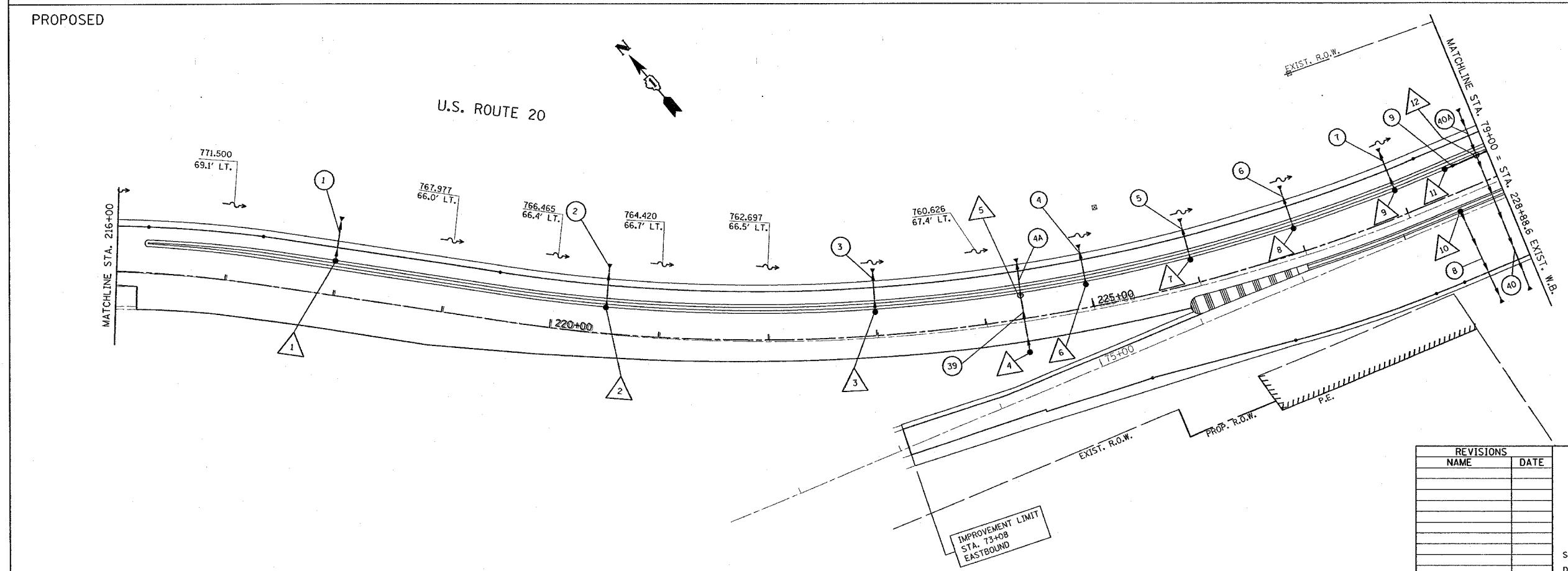
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	42
STA. 216+00 WB T3+08 EB TO STA. 79+00=228+91.7				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62617



EXISTING



PROPOSED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING AND PROPOSED
DRAINAGE & UTILITY PLAN
U.S. 20 AT
BLUFF CITY/ SHALES PKWY.

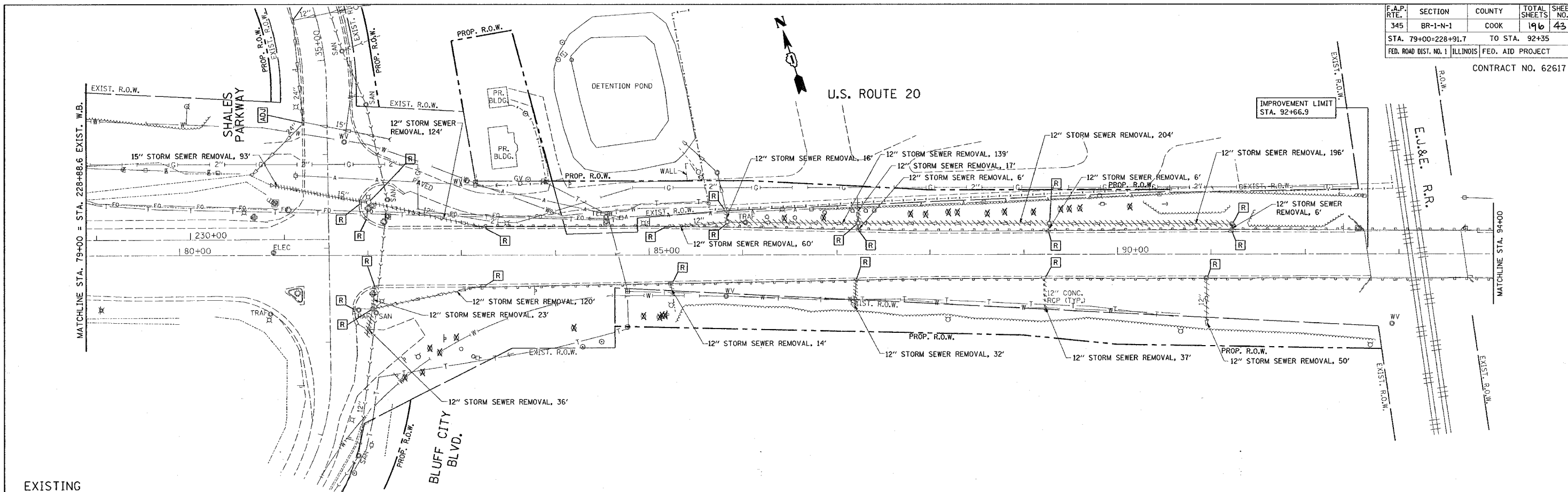
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HORIZ. 1" = 100'
DATE 2/14/2008

DRAWN BY
CHECKED BY

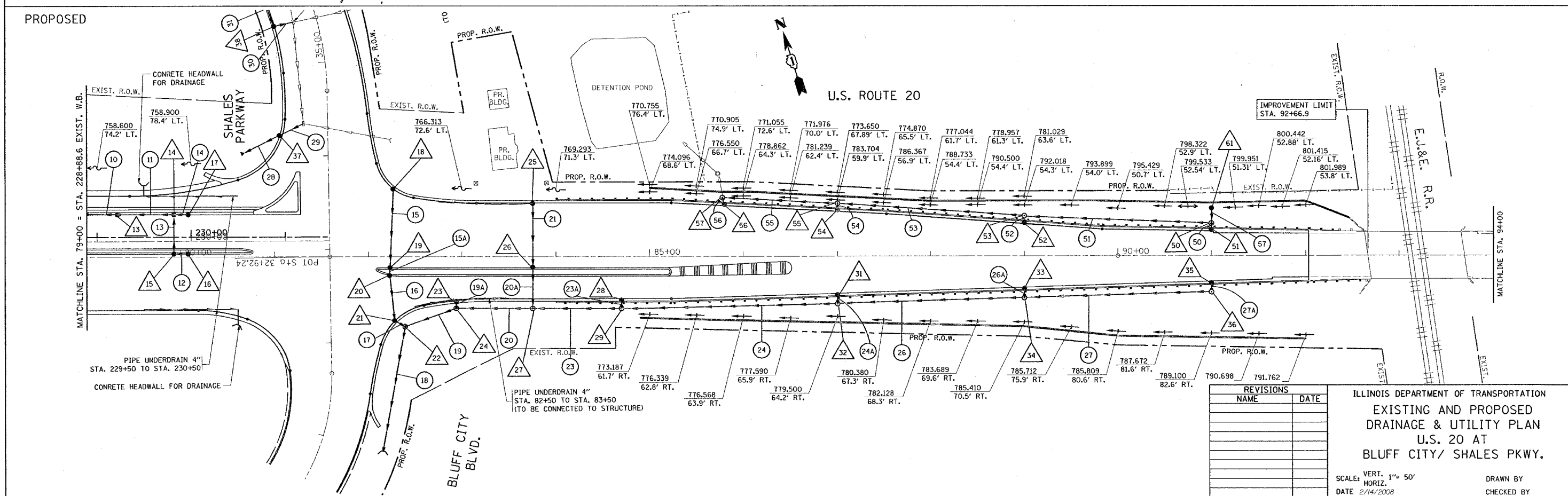
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*REF-pdr03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	43
STA. 79+00=228+91.7			TO STA. 92+35	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 62617



EXISTING



PROPOSED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING AND PROPOSED
 DRAINAGE & UTILITY PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

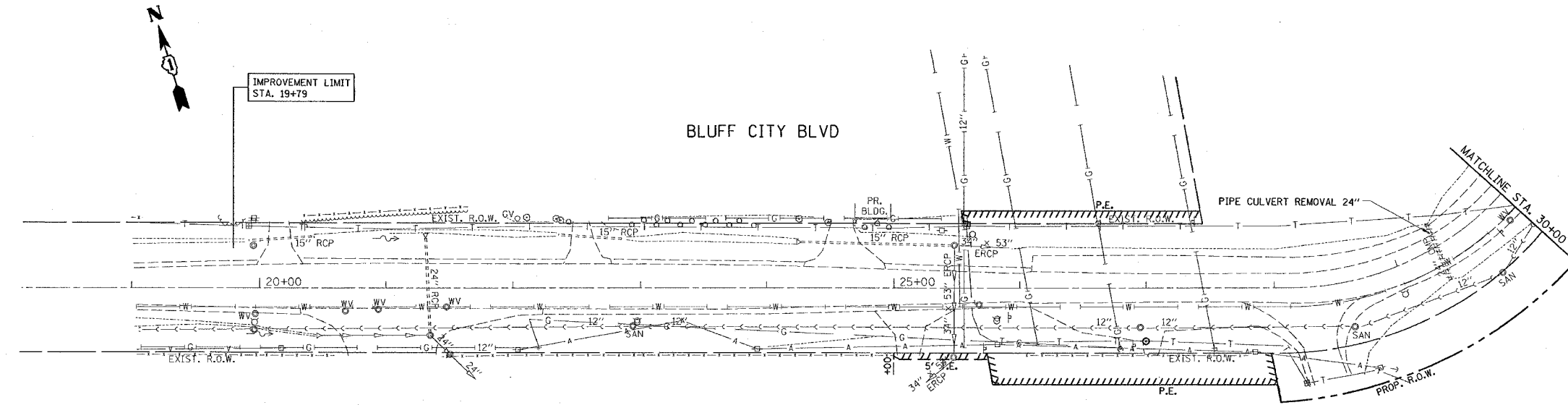
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 HORIZ. 1"= 50'
 DATE 2/14/2008

DRAWN BY
 CHECKED BY

*REF-edr04
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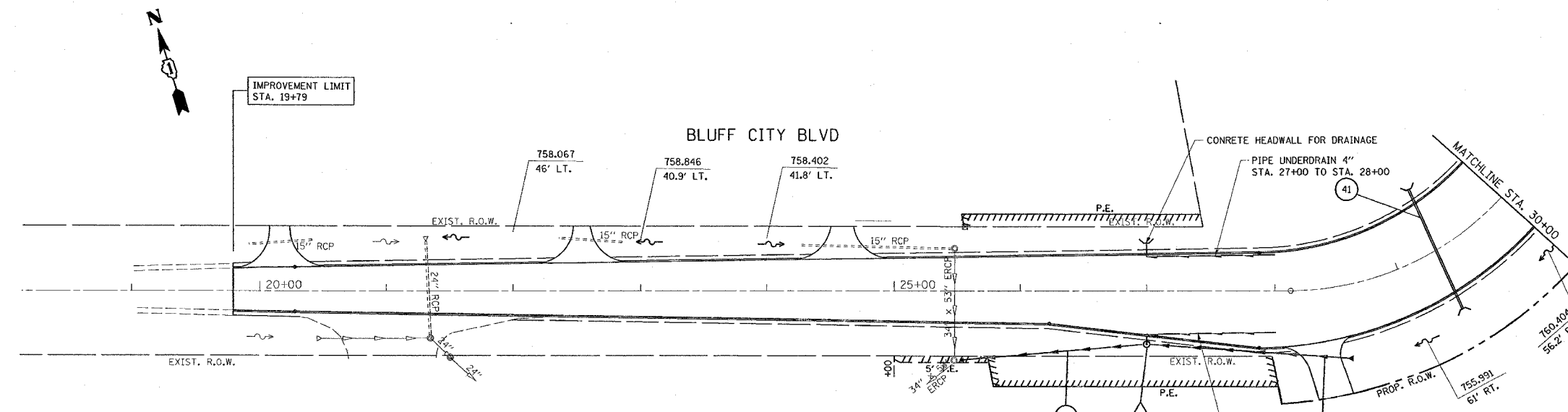
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	44
STA. 19+79		TO STA. 30+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62617



EXISTING

PROPOSED

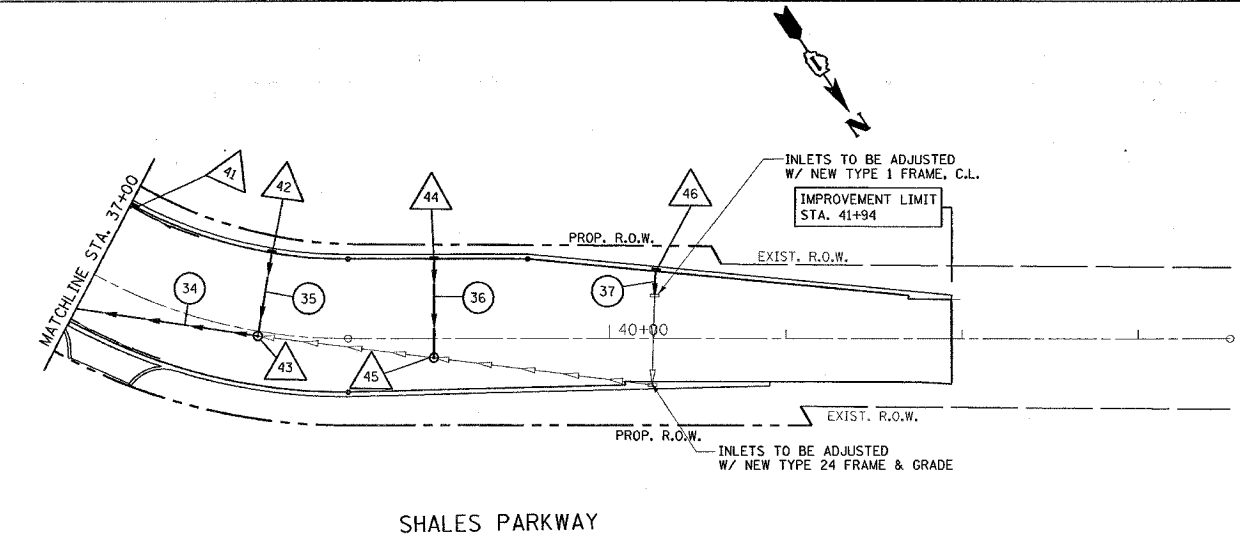
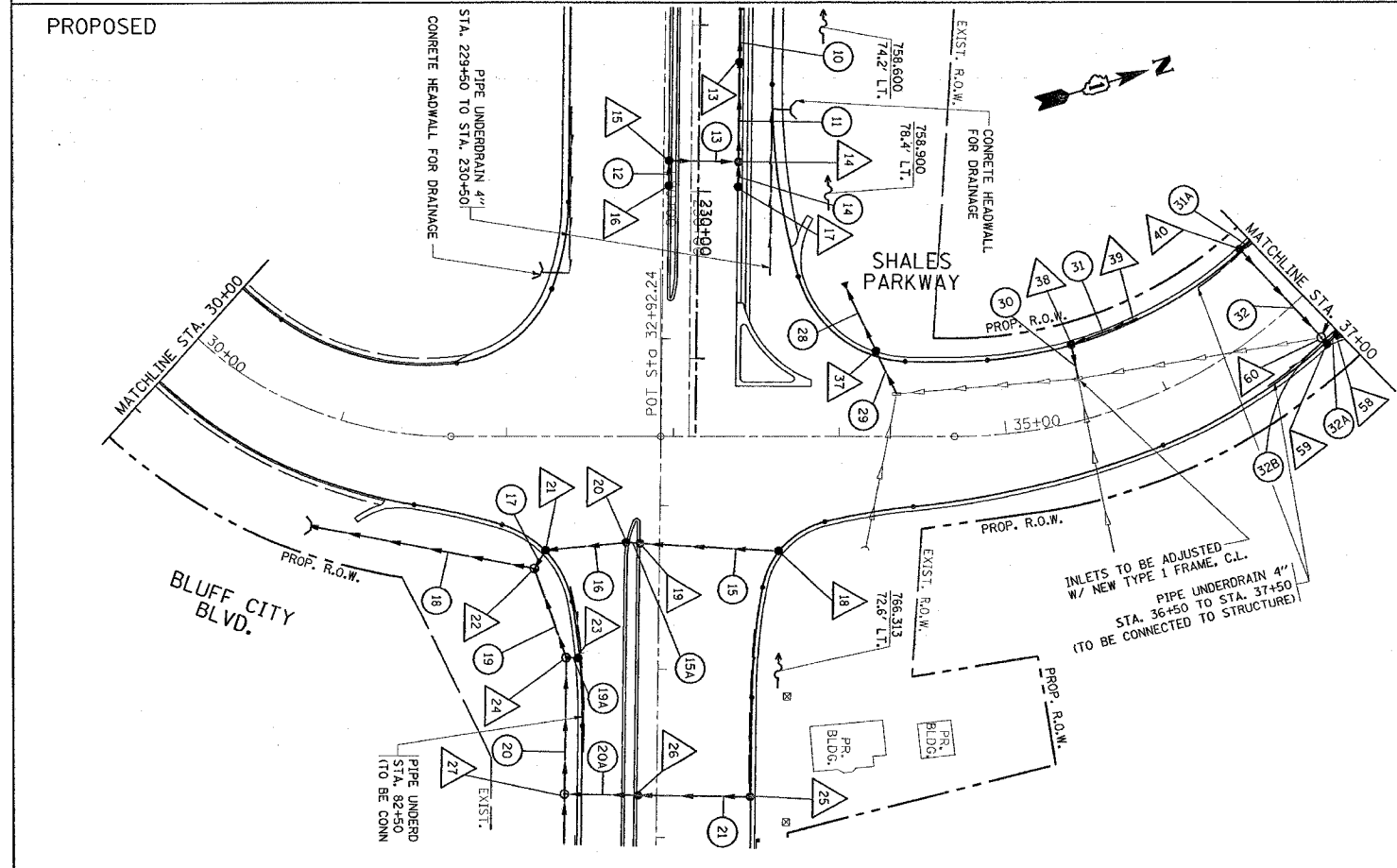
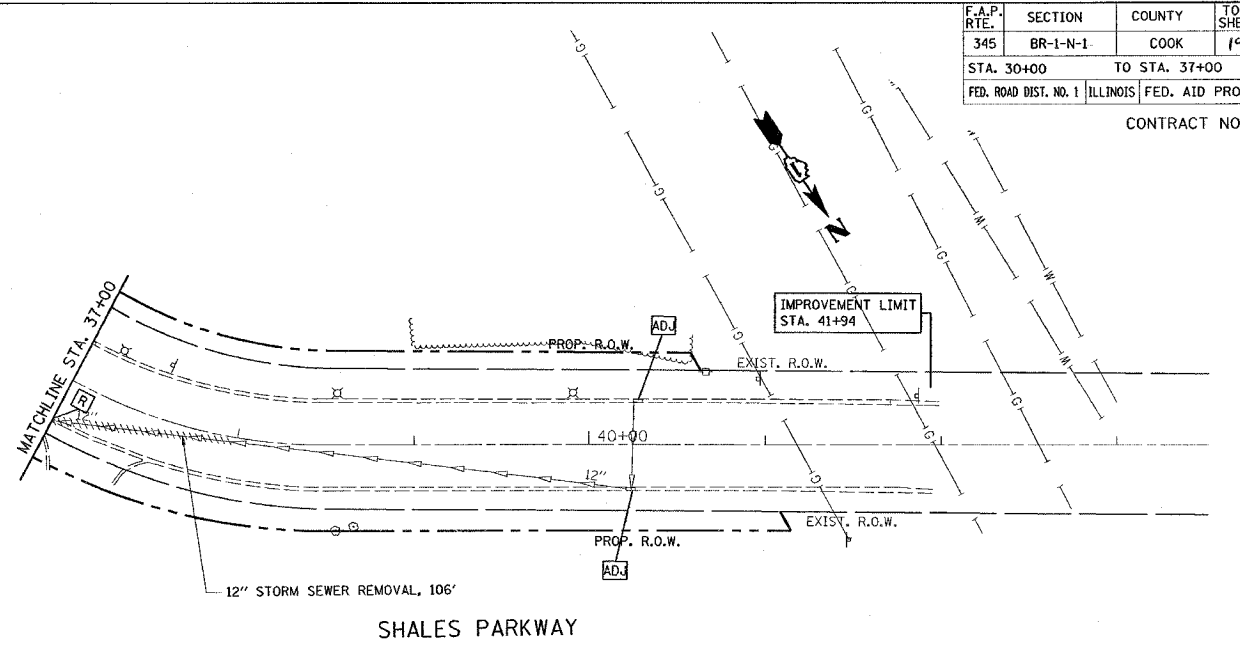
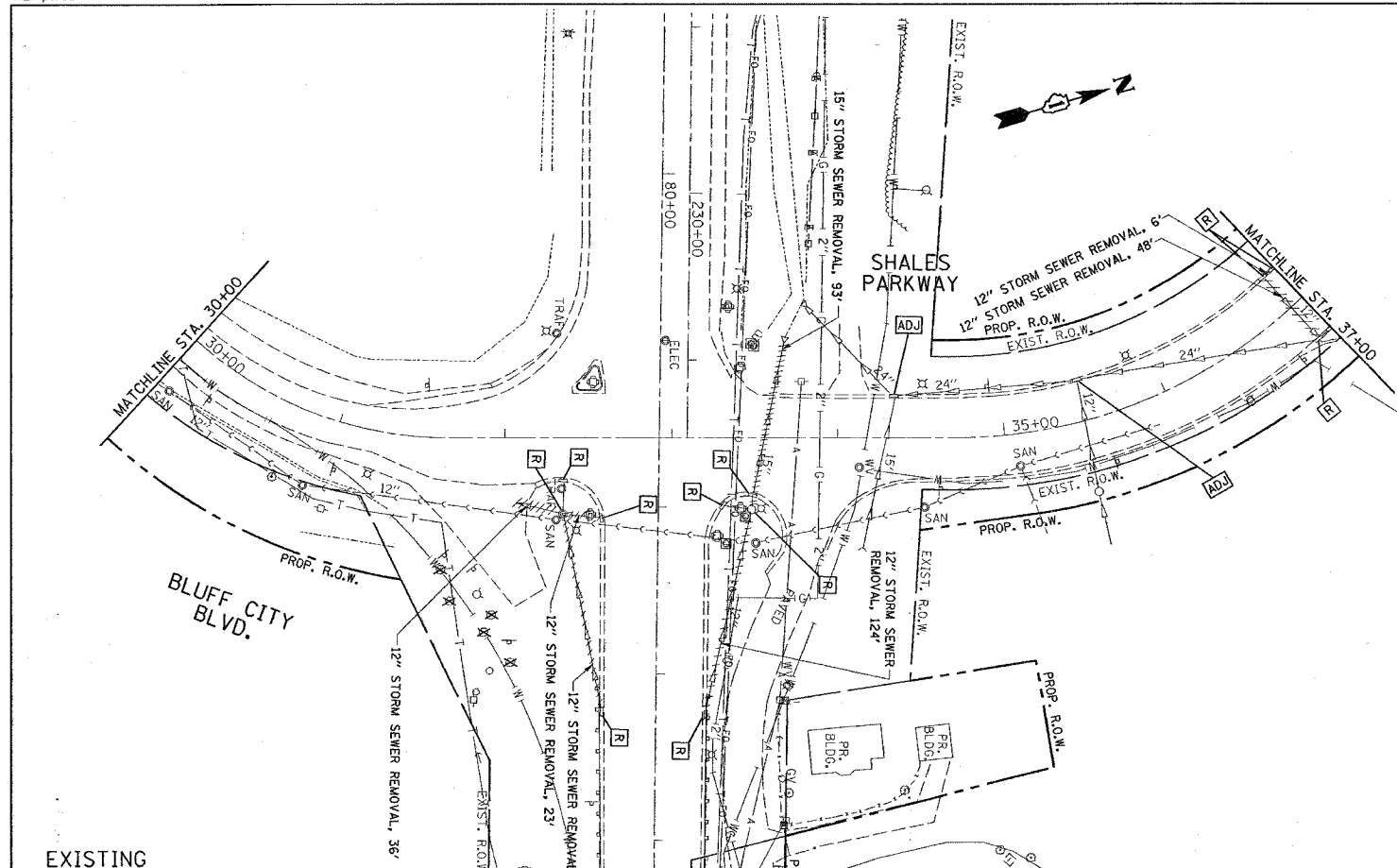


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING AND PROPOSED
 DRAINAGE & UTILITY PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.
 SCALE: VERT. 1"= 50'
 HORIZ. DATE 2/14/2008
 DRAWN BY
 CHECKED BY

*REF-edr05
 *REF-pdr05
 *REF-edr06
 *REF-pdr06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	45
STA. 30+00		TO STA. 37+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62617				



REVISIONS	
NAME	DATE

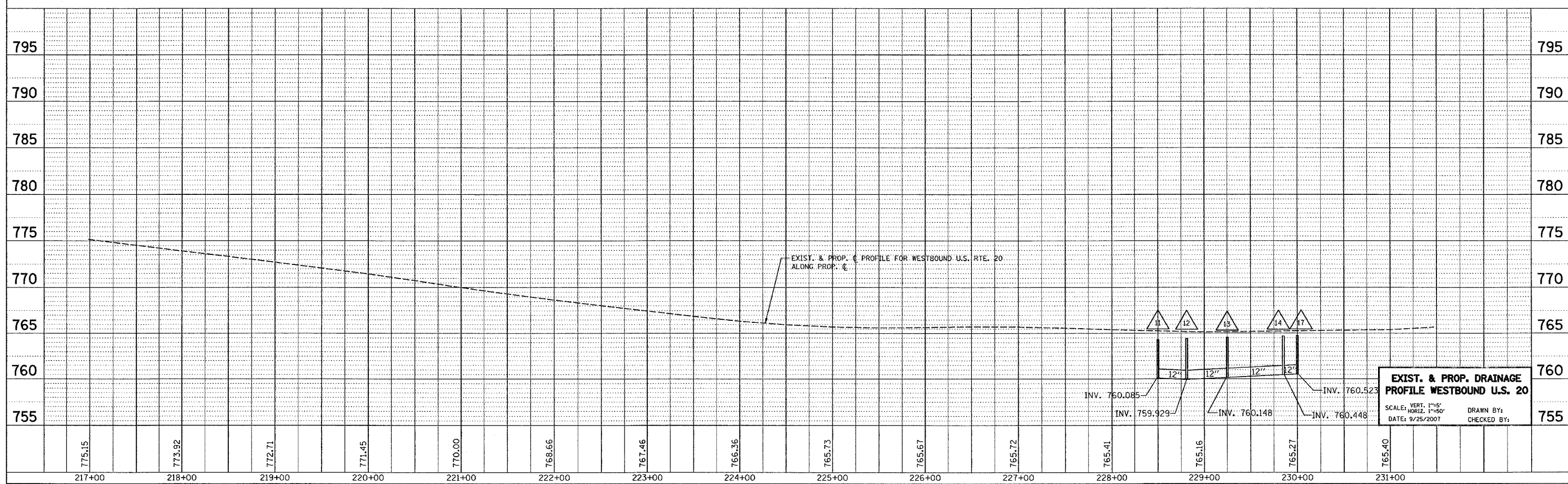
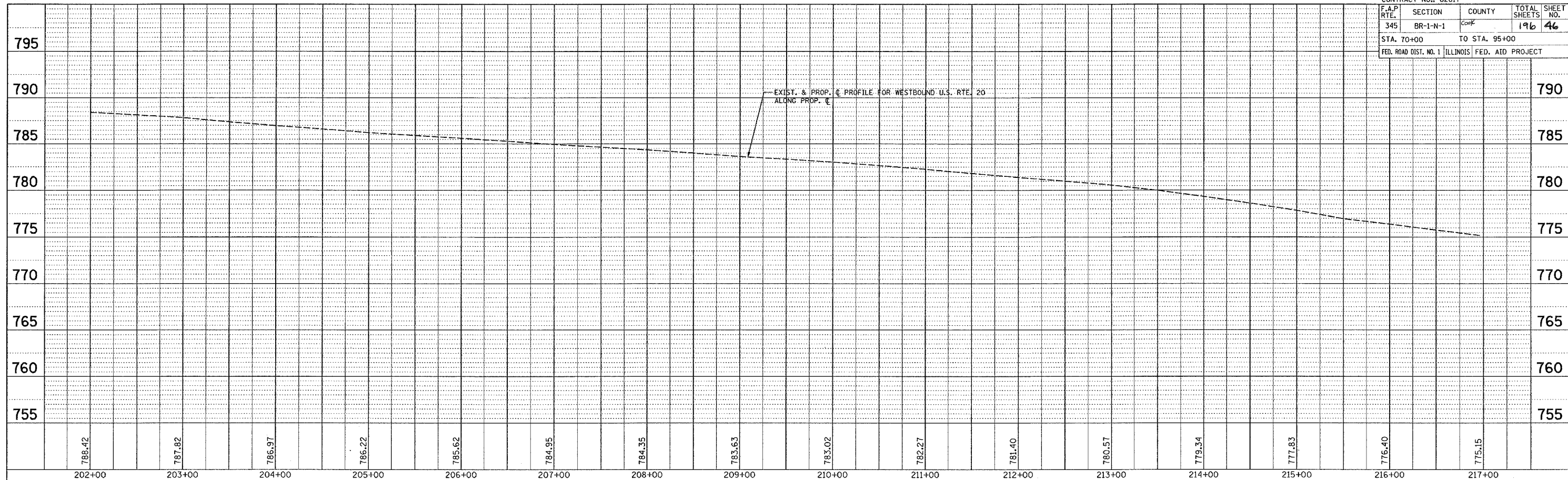
ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING AND PROPOSED
 DRAINAGE & UTILITY PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

SCALE: VERT. 1" = 50'
 HORIZ. DATE 2/14/2008

DRAWN BY
 CHECKED BY

*REF-prd03
*REF-prd04

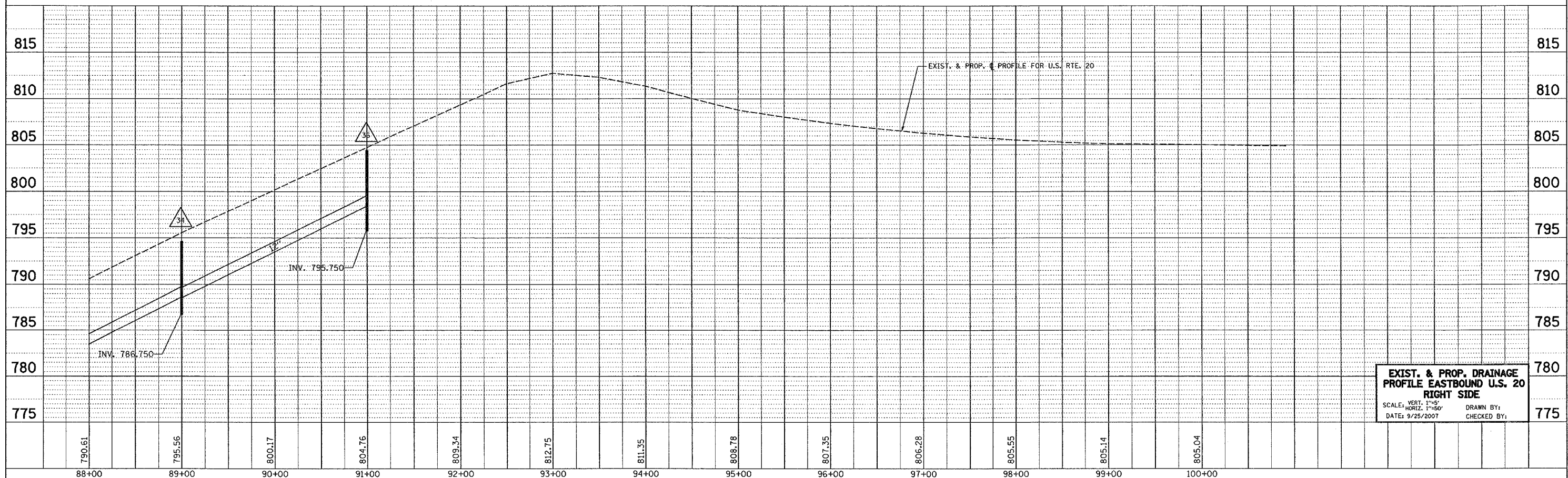
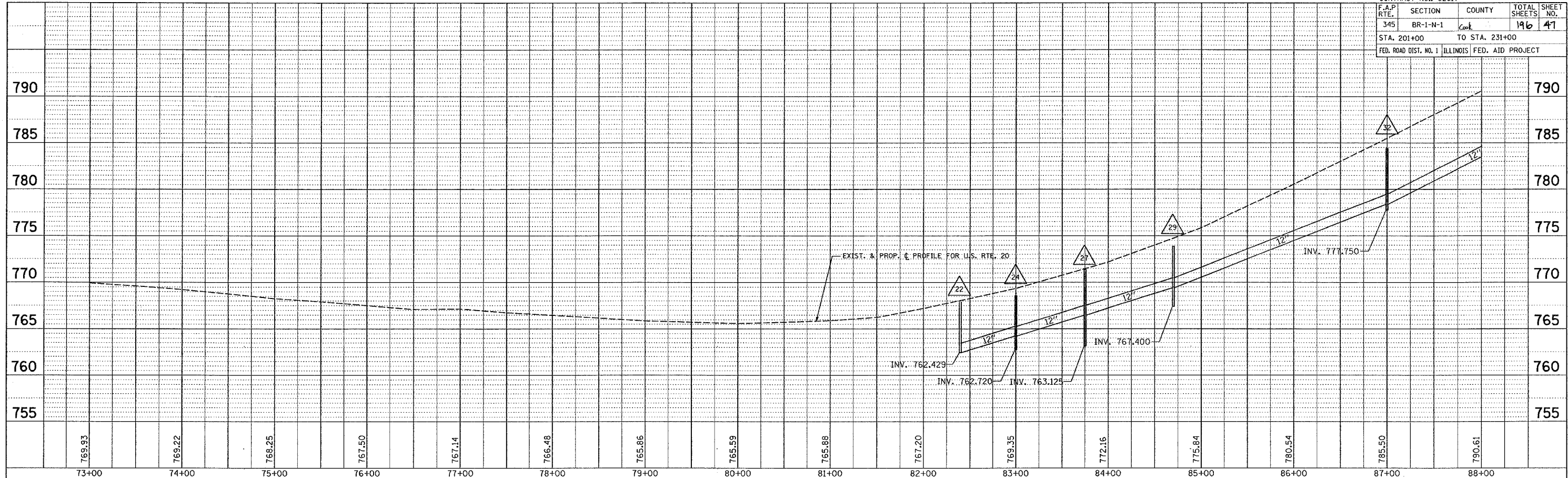
CONTRACT NO.: 62617				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	Cook	196	46
STA. 70+00		TO STA. 95+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXIST. & PROP. DRAINAGE PROFILE WESTBOUND U.S. 20
 SCALE: VERT. 1"=5'
 HORIZ. 1"=50'
 DATE: 9/25/2007
 DRAWN BY:
 CHECKED BY:

*REF-prof01
*REF-prof02

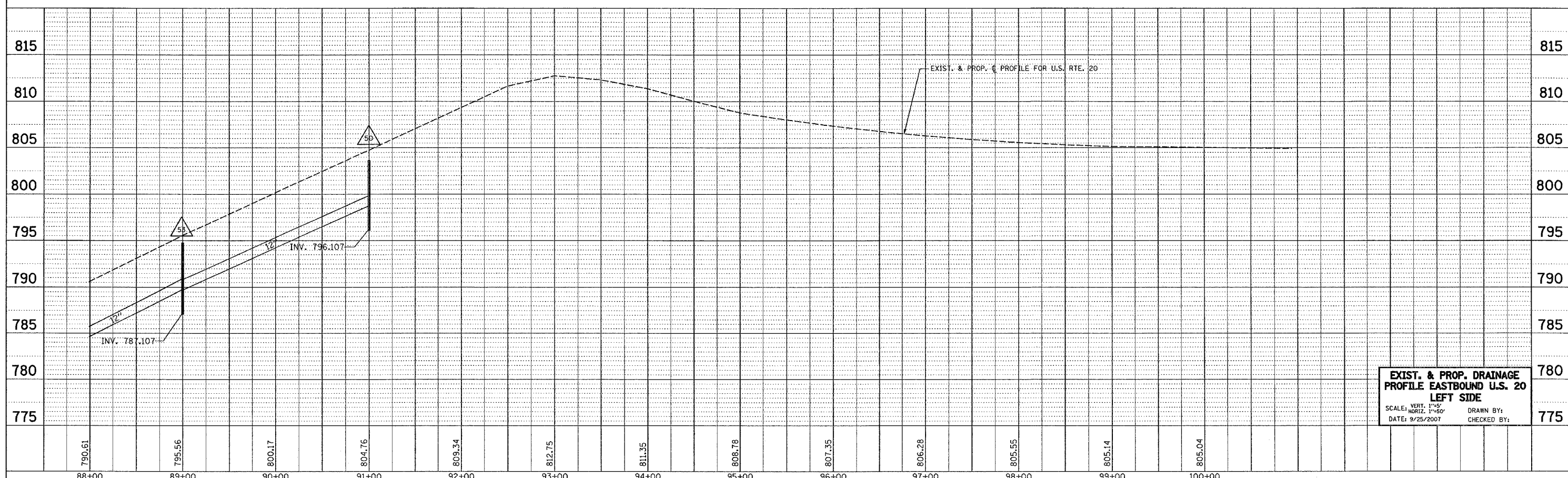
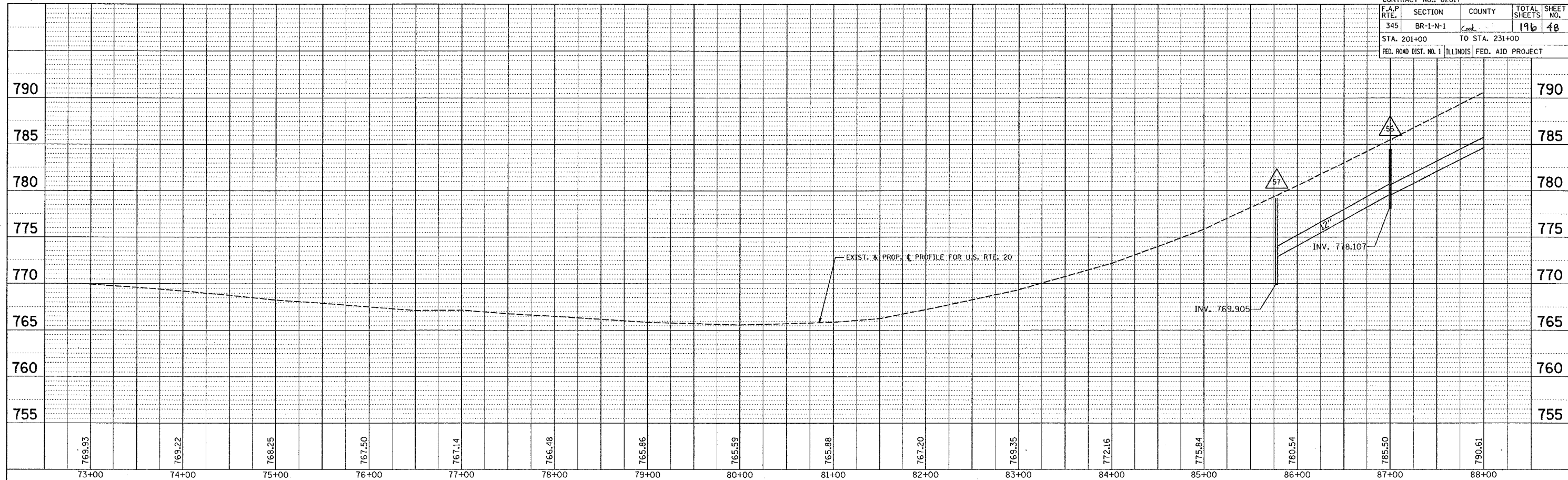
CONTRACT NO.: 62617			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
345	BR-1-N-1	Cook	196
STA. 201+00		TO STA. 231+00	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



EXIST. & PROP. DRAINAGE PROFILE EASTBOUND U.S. 20 RIGHT SIDE
 VERT. SCALE: 1"=5'
 HORIZ. SCALE: 1"=50'
 DATE: 9/25/2007
 DRAWN BY:
 CHECKED BY:

*REF-prof01
*REF-prof02

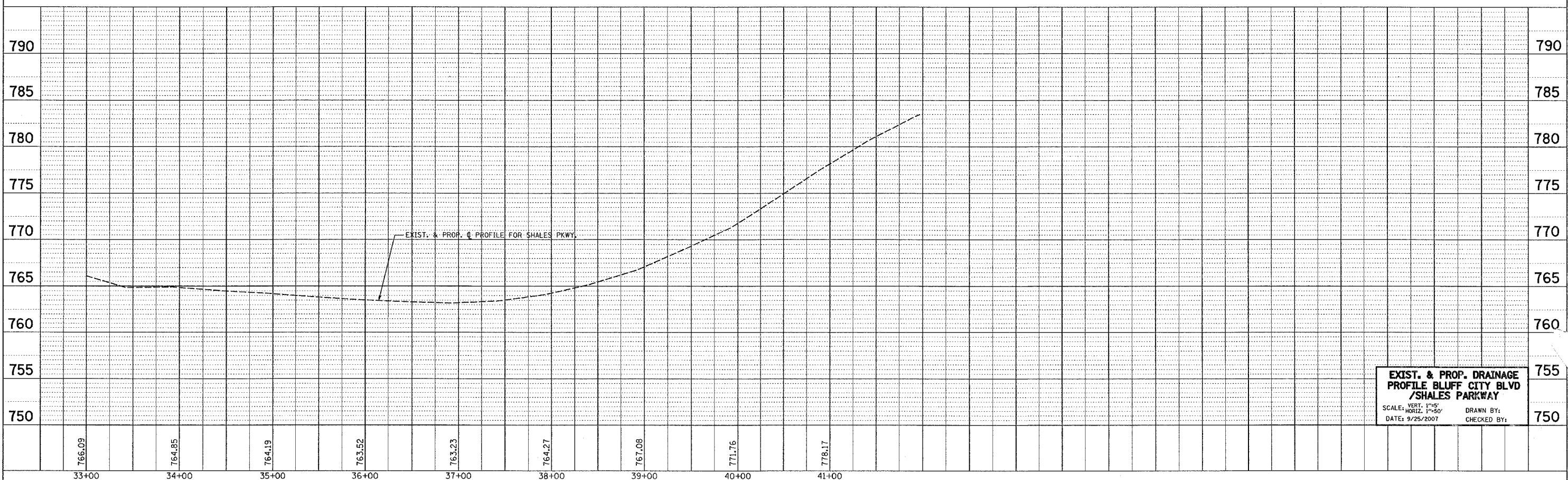
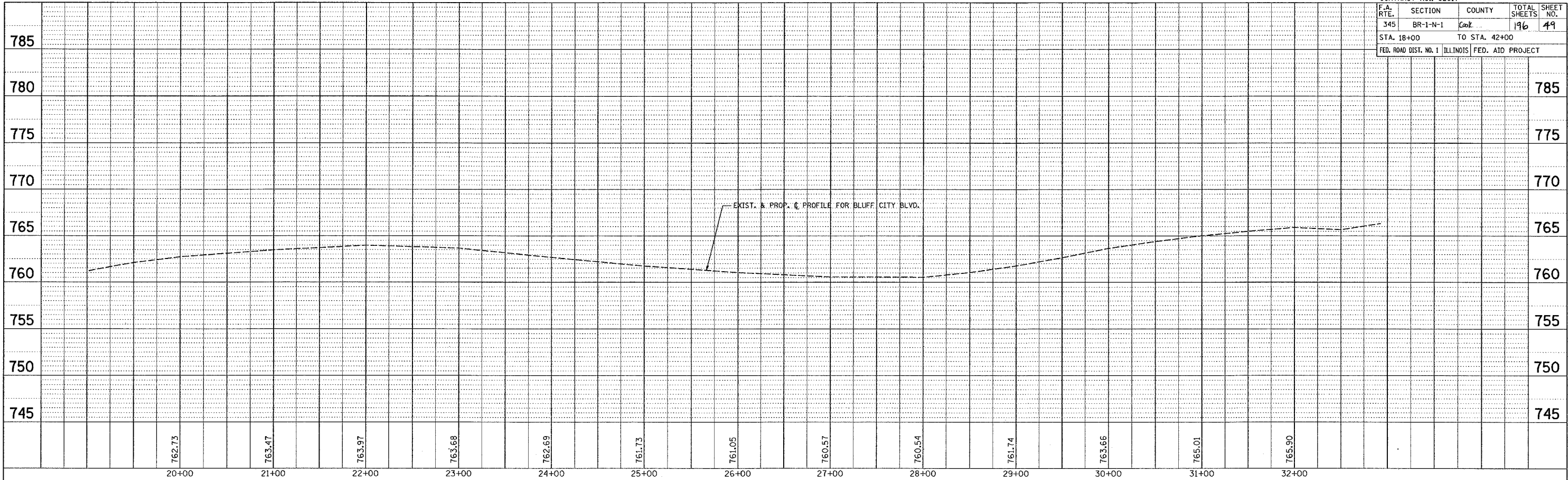
CONTRACT NO.: 62617				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	Coal	196	48
STA. 201+00		TO STA. 231+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXIST. & PROP. DRAINAGE PROFILE EASTBOUND U.S. 20 LEFT SIDE
 SCALE: VERT. 1"=5'
 HORIZ. 1"=50'
 DATE: 9/25/2007
 DRAWN BY:
 CHECKED BY:

*REF-prof05
*REF-prof06

CONTRACT NO.: 62617			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
345	BR-1-N-1	Coll	196
STA. 18+00		TO STA. 42+00	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



**EXIST. & PROP. DRAINAGE
PROFILE BLUFF CITY BLVD
/SHALES PARKWAY**
SCALE: VERT. 1"=5'
HORIZ. 1"=50'
DATE: 9/25/2007
DRAWN BY:
CHECKED BY:

CONTRACT # 62617

DRAINAGE STRUCTURES TABLE

NO.	STATION	OFFSET	STRUCTURE TYPE			DIA.	FRAME	TOP OF GRATE	INVERT(N)	INVERT(S)	INVERT(E)	INVERT(W)	INVERT(NE)	INVERT(W)
			MH	CB	INL									
1	218+00	32' LT	TYP. A			4'	TY. 24 F&G	774.08	770.11					
2	220+00	24' LT	TYP. A			2'	TY. 24 F&G	770.29	765.84					
3	223+00	26.5' LT	TYP. A			2'	TY. 24 F&G	766.08	761.87					
4	224+37	31' RT	TYP. A			4'	TY. 8 GRATE	765.48	760.93					
5	224+38	EOP RT	TYP. A			4'	TY. 1 F&CL	764.59	760.67	760.67				
6	225+00	EOP LT	TYP. A			4'	TY. 24 F&G	764.37	760.22					
7	226+00	EOP LT	TYP. A			4'	TY. 24 F&G	764.21	760.27					
8	227+00	EOP LT	TYP. A			4'	TY. 24 F&G	764.29	759.88					
9	228+00	EOP LT	TYP. A			4'	TY. 24 F&G	764.10	759.58					
10	228+50	17.6' RT	TYP. A			4'	TY. 24 F&G	766.11	760.12					
11	228+50	EOP LT	TYP. A			4'	TY. 24 F&G	764.29	760.08					
12	228+81	EOP LT	TYP. A			4'	TY. 1 F&CL	764.41	758.13	758.13	759.92	759.92		
13	229+25	EOP LT	TYP. A			4'	TY. 24 F&G	764.54		760.14	760.14			
14	229+85	EOP LT	TYP. A			4'	TY. 24 F&G	764.69		760.44	760.44			
15	229+85	18' RT	TYP. A			4'	TY. 24 F&G	765.75	760.64					
16	230+00	18' RT	TYP. A			4'	TY. 24 F&G	765.59			760.72			
17	230+00	EOP LT	TYP. A			4'	TY. 24 F&G	764.72			760.52			
18	82+26.5	EOP LT	TYP. A			4'	TY. 24 F&G	***		763.15				
19	82+23	EOP RT	TYP. A			4'	TY. 23 F&G	***	762.77	762.77				
20	82+23	20.1 LT	TYP. A			4'	TY. 23 F&G	***	762.74	762.74				
21	82+28	EOP RT	TYP. A			4'	TY. 24 F&G	***	762.49		762.49			
22	82+39.5	74.5 RT	TYP. A			4'	TY. 1 F&CL	***		762.42	762.42	762.42		
23	83+00	EOP RT	TYP. A			4'	TY. 24 F&G	768.34	764.29					
24	83+00	55' RT	TYP. A			4'	TY. 1 F&CL	768.54	764.22	762.72	762.72			
25	83+75	EOP LT	TYP. A			4'	TY. 24 F&G	773.34		763.68				
26	83+75	EOP RT	TYP. A			4'	TY. 23 F&G	773.74	763.34	763.34				
27	83+75	55.4 RT	TYP. A			4'	TY. 1 F&CL	771.37	763.12	766.45	766.45			
28	84+70	EOP RT	TYP. A			4'	TY. 24 F&G	775.14		769.52				
29	84+70	55.4 RT	TYP. A			4'	TY. 1 F&CL	773.86	769.40	767.40	767.40			
30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	87+00	EOP RT	TYP. A			4'	TY. 24 F&G	784.63	778.45					
32	87+00	55.4 RT	TYP. A			4'	TY. 1 F&CL	783.55	778.37	777.75	777.75			
33	89+00	EOP RT	TYP. A			4'	TY. 24 F&G	794.87		788.69				
34	89+00	45.9 RT	TYP. A			4'	TY. 1 F&CL	793.65	788.61	786.75	786.75			
35	91+00	EOP RT	TYP. A			4'	TY. 24 F&G	804.65		798.48				
36	91+00	39.6 RT	TYP. A			4'	TY. 1 F&CL	803.43	798.40		795.75			
37	34+22	EOP LT	TYP. A			4'	TY. 24 F&G	***		759.48	759.48			
38	35+49	EOP LT	TYP. C			2'	TY. 24 F&G	***	760.09	760.09				
39	36+00	EOP LT	TYP. A			2'	TY. 24 F&G	762.22		760.26				
40	36+92	EOP LT	TYP. C			2'	TY. 24 F&G	***	759.70	759.70				
41	37+00	EOP LT	TYP. A			2'	TY. 24 F&G	761.95		759.75				
42	38+00	EOP LT	TYP. A			4'	TY. 24 F&G	762.96		***	***			
43	38+00	2.7' RT	TYP. A			4'	TY. 1 F&CL	764.29	MATCH EXT.	760.14	760.14			
44	39+00	EOP LT	TYP. A			4'	TY. 24 F&G	766.02	MATCH EXT.	***				
45	39+00	10.6' RT	TYP. A			4'	TY. 1 F&CL	767.00	MATCH EXT.	MATCH EXT.	760.14			
46	40+25	EOP LT	TYP. A			4'	TY. 24 F&G	xxxxxx		766.40				
47	27+00	42' RT	TYP. A			4'	TY. 1 F&CL	760.20		755.21	755.21			
48	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
49	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50	91+00	34.6' LT	TYP. A			4'	TY. 1 F&CL	805.00		798.72	796.10			
51	91+00	EOP LT	TYP. A			4'	TY. 24 F&G	803.57	798.78					
52	89+00	EOP LT	TYP. A			4'	TY. 24 F&G	794.66	789.89					
53	89+00	42.9' LT	TYP. A			4'	TY. 1 F&CL	794.86		789.84	787.10	787.10		
54	87+00	EOP LT	TYP. A			4'	TY. 24 F&G	784.38	779.61					
55	87+00	56.4' LT	TYP. A			4'	TY. 1 F&CL	784.58		779.56	778.10	787.10		
56	85+80	EOP LT	TYP. A			4'	TY. 24 F&G	778.45	769.96					
57	85+78	62.7' LT	TYP. A			4'	TY. 1 F&CL	778.35	MATCH EXT.	769.90	772.90			
58	37+00	EOP RT	TYP. A			4'	TY. 24 F&G	763.46		759.64				
59	36+92	EOP RT	TYP. A			4'	TY. 24 F&G	763.46	759.59			759.59		
60	36+92	71' LT	TYP. A			4'	TY. 1 F&CL	763.31	759.57	MATCH EXT.	759.57	MATCH EXT.		
61	91+00	52' LT	TYP. A			4'	TY. 8 GRATE	763.31	759.57	798.55	796.38			

*** TO BE DETERMINED IN FIELD

PIPE CULVERT TABLE

NO.	TYPE	DIA.	LIN. FT.	EA.	FL. END SECTIONS	TB	INVERT	
								EA.
1	PROP. STORM SEWER, CLASS A	2	12"	32		1	2.8	769.77
2	PROP. STORM SEWER, CLASS A	2	12"	40		1	5.2	765.44
4	PROP. STORM SEWER, CLASS A	2	12"	35		1	4.0	760.04
4A	PROP. STORM SEWER, CLASS A	2	24"	30		1	3.0	760.52
5	PROP. STORM SEWER, CLASS A	2	12"	38		1	3.4	759.88
6	PROP. STORM SEWER, CLASS A	2	12"	40		1	4.2	765.46
7	PROP. STORM SEWER, CLASS A	2	12"	40.5		1	4.5	759.16
8	PROP. STORM SEWER, CLASS A	2	12"	89		1	21.5	758.03
9	PROP. STORM SEWER, CLASS A	2	12"	31			4.0	
10	PROP. STORM SEWER, CLASS A	2	12"	44			6.7	
11	PROP. STORM SEWER, CLASS A	2	12"	60			21	
12	PROP. STORM SEWER, CLASS A	2	12"	15			2.4	
13	PROP. STORM SEWER, CLASS A	2	12"	40			5.6	
14	PROP. STORM SEWER, CLASS A	2	12"	15			1.5	
15	PROP. STORM SEWER, CLASS A	2	12"	75.5			10.5	
15A	PROP. STORM SEWER, CLASS A	2	12"	7			.4	
16	PROP. STORM SEWER, CLASS A	2	12"	49			5.7	
17	PROP. STORM SEWER, CLASS A	2	12"	13				
18	PROP. STORM SEWER, CLASS A	2	15"	131.5		1		761.77
19	PROP. STORM SEWER, CLASS A	2	12"	58				
19A	PROP. STORM SEWER, CLASS A	2	12"	7.5				
20	PROP. STORM SEWER, CLASS A	2	12"	81			41.6	
20A	PROP. STORM SEWER, CLASS A	2	12"	44.4				
21	PROP. STORM SEWER, CLASS A	2	12"	67.5			78	
3	PROP. STORM SEWER, CLASS A	2	12"	35.7		1	5	
23	PROP. STORM SEWER, CLASS A	2	12"	95				
23A	PROP. STORM SEWER, CLASS A	2	12"	8				
24	PROP. STORM SEWER, CLASS A	2	12"	230				
24A	PROP. STORM SEWER, CLASS A	2	12"	8				
38	PROP. STORM SEWER, CLASS A	2	24"	80.6			6.7	
26	PROP. STORM SEWER, CLASS A	2	12"	200				
26A	PROP. STORM SEWER, CLASS A	2	12"	8				
27	PROP. STORM SEWER, CLASS A	2	12"	200				
27A	PROP. STORM SEWER, CLASS A	2	12"	8				
28	PROP. STORM SEWER, CLASS A	2	24"	45		1		759.26
29	PROP. STORM SEWER, CLASS A	2	24"	28			3.5	
30	PROP. STORM SEWER, CLASS A	2	12"	17.6			2.6	
31	PROP. STORM SEWER, CLASS A	2	12"	35.6			4.8	
31A	PROP. STORM SEWER, CLASS A	2	12"	9			.75	
32	PROP. STORM SEWER, CLASS A	2	12"	71			8.8	
32A	PROP. STORM SEWER, CLASS A	2	12"	9			.7	
32B	PROP. STORM SEWER, CLASS A	2	12"	5				
34	PROP. STORM SEWER, CLASS A	2	12"	114			41	
35	PROP. STORM SEWER, CLASS A	2	12"	48.5			17.2	
36	PROP. STORM SEWER, CLASS A	2	12"	56			20	
37	PROP. STORM SEWER, CLASS A	2	12"	14			4.8	
40	PROP. STORM SEWER, CLASS A	2	24"	131		1	41.2	757.47
40A	PROP. STORM SEWER, CLASS A	2	24"	44		1	9.3	758.36
41	PROP. PIPE CULVERTS, CLASS A,	2	24"	103	2	2	92	756.67-N 756.16-S
42	PROP. STORM SEWER, CLASS A	2	18"	156		1		755.67
43	PROP. STORM SEWER, CLASS A	2	18"	142				
50	PROP. STORM SEWER, CLASS A	2	12"	6				
51	PROP. STORM SEWER, CLASS A	2	12"	200				
52	PROP. STORM SEWER, CLASS A	2	12"	6				
53	PROP. STORM SEWER, CLASS A	2	12"	200				
54	PROP. STORM SEWER, CLASS A	2	12"	6				
55	PROP. STORM SEWER, CLASS A	2	12"	115.6				
56	PROP. STORM SEWER, CLASS A	2	12"	7.5				
57	PROP. STORM SEWER, CLASS A	2	12"	14'				
39	PROP. STORM SEWER, CLASS A	2	24"	47.3				

PLOT DATE = 12/22/2007
 FILE NAME = c:\pco\beta\1113783\design\stage.dgn
 PLOT SCALE = 4.5/9998" / IN.
 REFERENCE = #REF#

REVISIONS	
NAME	DATE

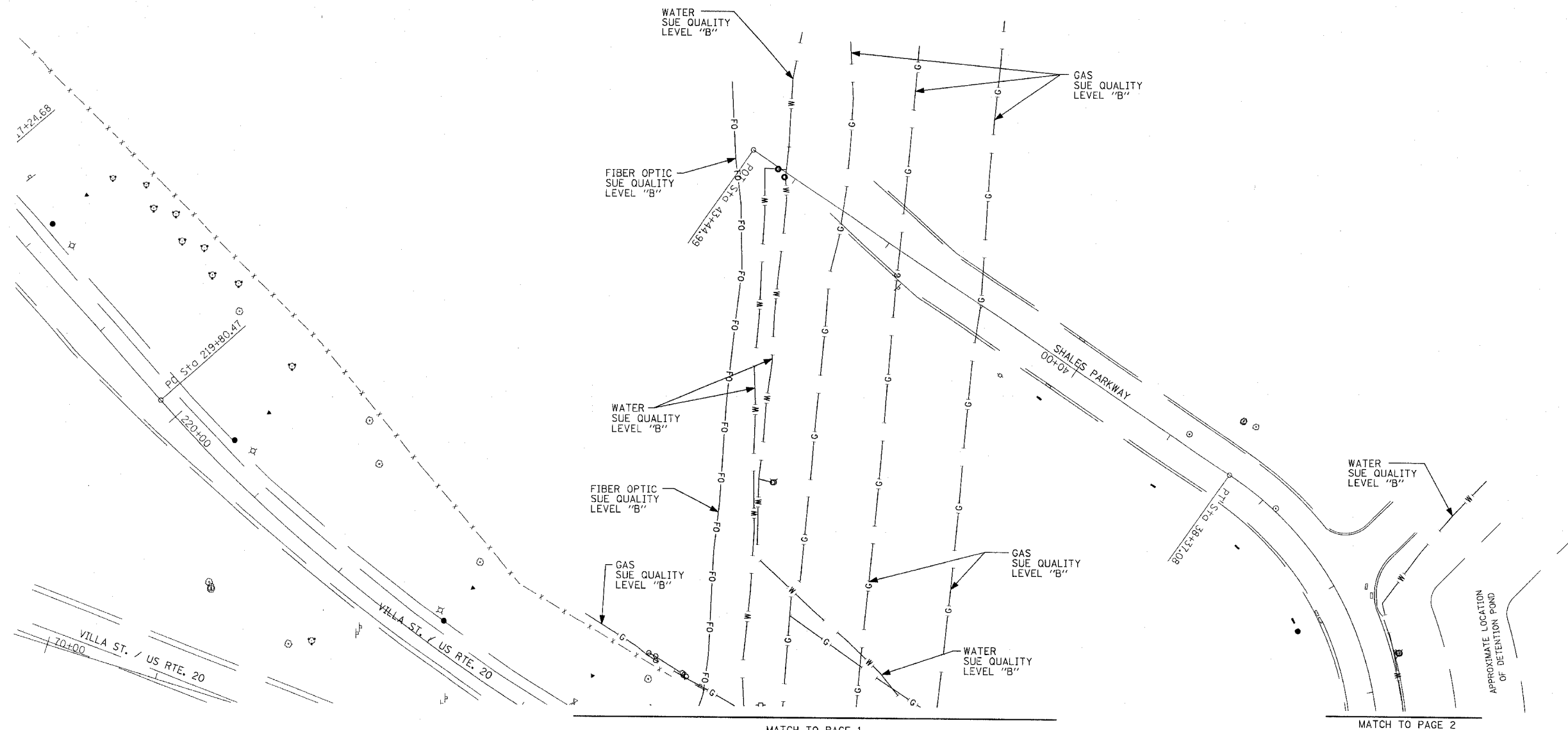
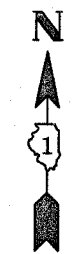
ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 20
 @ SHALES PARKWAY
 DRAINAGE STRUCTURE AND
 PIPE TABLE

SCALE: VERT.
 DATE: HORIZ.

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	P-91-260.99	Cook	196	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



MATCH TO PAGE 1

MATCH TO PAGE 2



TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500203
 TBE SUE PAGE NO: 3 of 3
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

— SL — SL —	STREET LIGHT
— TS — TS —	TRAFFIC SIGNAL
— T — T —	TELEPHONE
— W —	WATER
— G —	GAS
— FO — FO —	FIBER OPTIC CABLE
— COCE — COCE —	CITY OF CHICAGO ELECTRIC
— E — E —	ELECTRIC
●	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

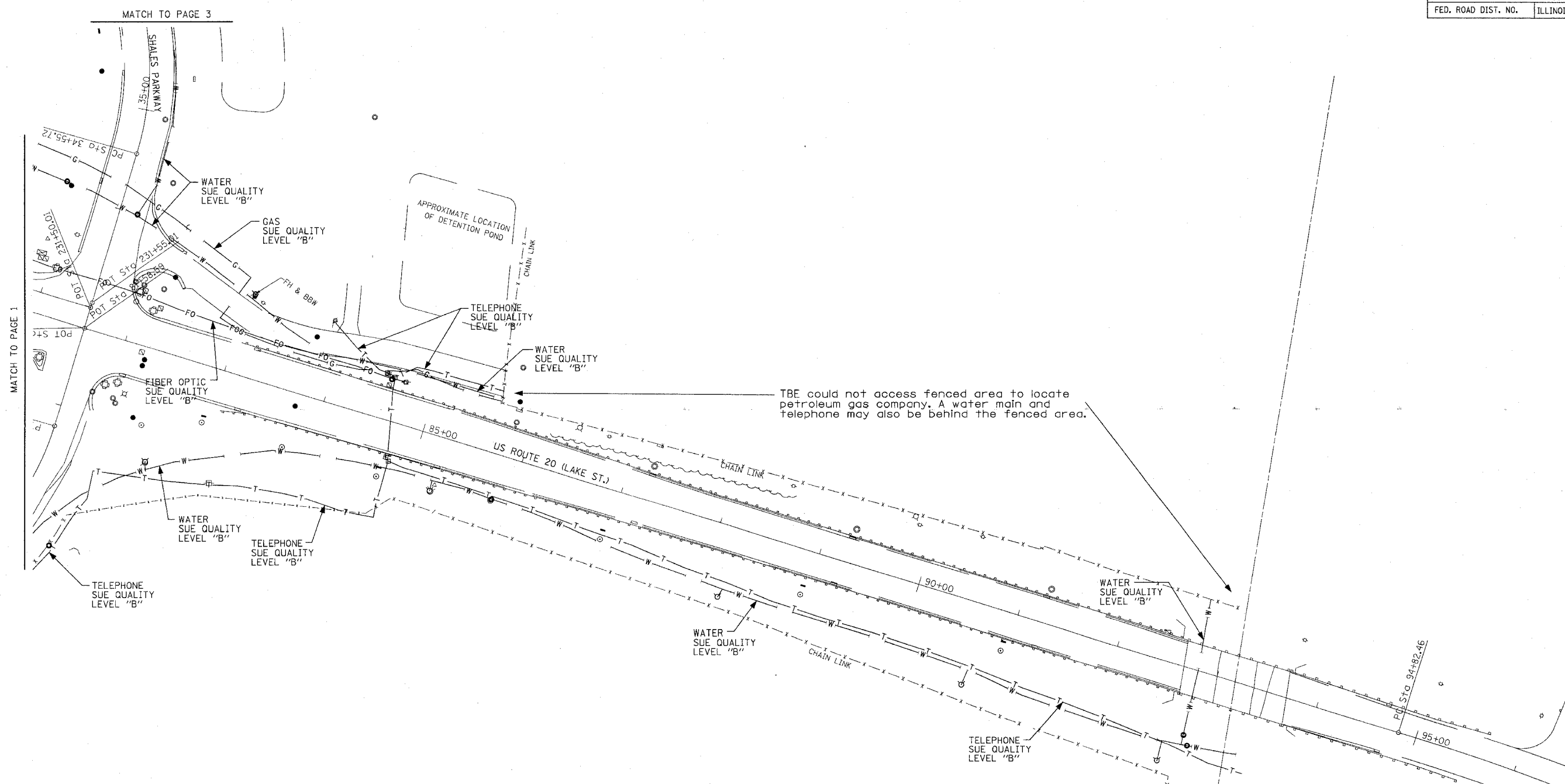
As of 9/03/04 TBE has not received as-built plans from the following utilities for review purposes only. SBC, ComEd and Natural Gas Pipeline of America.

205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 Lake St. (RT-20)
 Elgin, IL
 Contract No: 62617
 SOL "B" DATE : 8/11/2004
 DRAWN BY : KLC
 SCALE 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	P-91-260.99	Cook	196	52
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		




TBE CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500203
 TBE SUE PAGE NO: 2 of 3
 Checked by: *Butler*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

— SL —	— SL —	STREET LIGHT
— TS —	— TS —	TRAFFIC SIGNAL
— T —	— T —	TELEPHONE
— W —	— W —	WATER
— G —	— G —	GAS
— FO —	— FO —	FIBER OPTIC CABLE
— COCE —	— COCE —	CITY OF CHICAGO ELECTRIC
— E —	— E —	ELECTRIC
●		TEST HOLE

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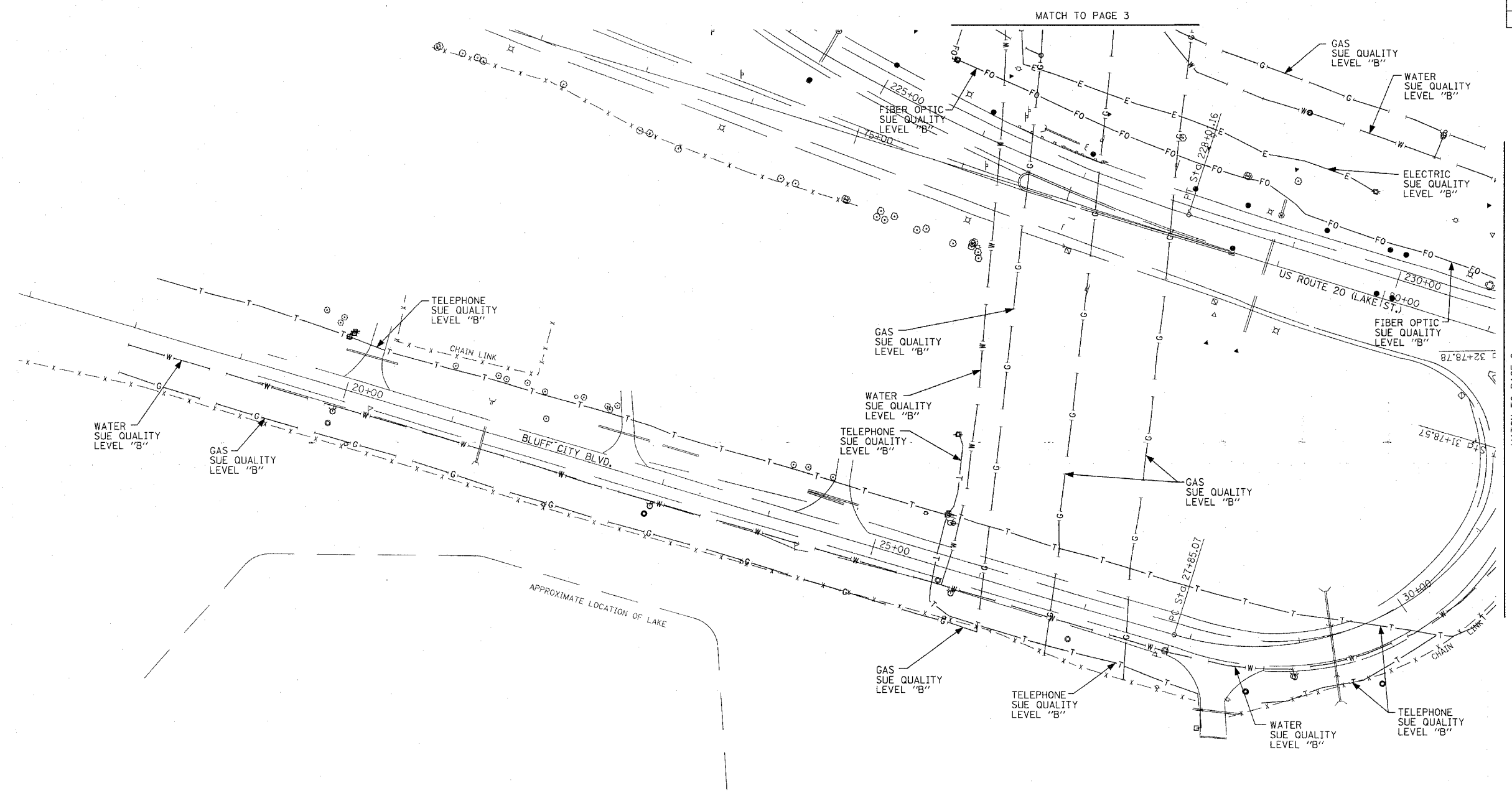

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 (312) 704-1970

REVISIONS	
NAME	DATE

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	P-91-260.99	Cook	196	53
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING
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 PA, VA, CANADA
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IL09500203
 TBE SUE PAGE NO: 1 of 3
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

— SL —	— SL —	STREET LIGHT
— TS —	— TS —	TRAFFIC SIGNAL
— T —	— T —	TELEPHONE
— W —	— W —	WATER
— G —	— G —	GAS
— FO —	— FO —	FIBER OPTIC CABLE
— COCE —	— COCE —	CITY OF CHICAGO ELECTRIC
— E —	— E —	ELECTRIC
⊙		TEST HOLE

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 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

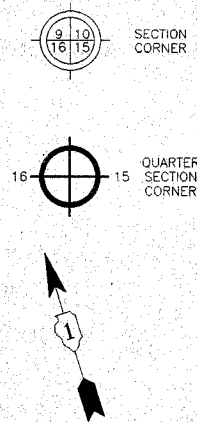
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 DRAWN BY : KLC
 SCALE 1" = 50'

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LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32 MEASURED DIMENSION
- 129.32 (COMP) COMPUTED DIMENSION
- (129.32) RECORD DATA
- [Hatched Box] EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET



COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
81+58.59	0.00	1949267.5257 N - 1010650.2130 E
32+78.78*		
31+78.57*	0.00*	1949171.4639 N - 1010621.6792 E
31+38.79*	90.00 RT.*	1949095.4154 N - 1010688.4954 E
30+43.36*	90.00 RT.*	1948991.8472 N - 1010611.5895 E
27+85.06*	0.00*	1949003.2294 N - 1010310.0672 E
84+64.05	75.00 RT.	1949104.9871 N - 1010919.4971 E
89+00.00	85.00 RT.	1948965.6550 N - 1011332.6995 E
90+00.00	95.00 RT.	1948926.3375 N - 1011425.1880 E
92+82.37	100.00 RT.	1948837.5010 N - 1011693.2624 E

CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	272.00	29.06	29.05	S30°03'59"W
2	340.00	129.79	129.00	N36°35'46"E
3	272.00	(385.38) 385.39	353.95	S67°35'48"W

CENTER LINE CURVE DATA
 DELTA = (90°11'08" LT.)
 RADIUS = (250.0) 250.00
 TANGENT = (250.81) 250.81
 ARC = (393.5) 393.51
 P.C. STA. = (27+85.07) 27+85.06
 P.T. STA. = (31+78.57) 31+78.57

NOTE: STATION AND OFFSET SHOWN HEREON WITH AN ASTERISK "*" INDICATES STATIONING ALONG BLUFF CITY BOULEVARD.

S. LINE OF THE SW. 1/4 OF SEC. 20-T41N-R9E
 N. LINE OF THE NW. 1/4 OF SEC. 29-T41N-R9E

LINE LEGEND

LINE	WIDTH	BEARING
A	40.85	S17°06'40"W
B	100.50	S66°58'10"E
C	24.52	N9°02'21"E
D	(65.0) 65.85	S17°06'40"W
E	23.00	S17°06'40"W
F	69.54	S5°47'35"W
G	56.10	S80°31'10"W

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES	ACQUIRED BY
OFS0001DED-A	COPART OF CONNECTICUT, INC. A CONNECTICUT CORPORATION	06 - 20 - 301 - 017	40.293	0.605	N/A	N/A	40.214	
OFS0001-B				0.079	N/A	N/A		

STATE OF ILLINOIS
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 41 NORTH, RANGE 9 EAST, AND SECTION 29, TOWNSHIP 41 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY. THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.



RECEIVED
 JUN 07 2007
 PLATS & LEGALS

SCANNED

BUILDING LEGEND
 1 = TALL 1 STORY METAL BLDG.

COORDINATE VALUES
 COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83 ILLINOIS EAST ZONE IN U.S. FOOT ESTABLISHED BY G.P.S. OBSERVATIONS AT N.G.S. ADJUSTMENT POSITIONS FOR C0058-1A IN STREAMWOOD AND E132 IN ELGIN. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
F.A.P. 345 (US 20)

SECTION : COOK COUNTY
 PROJECT : JOB NO.: R-90-017-01
 STATION : 81+58.59 TO STATION : 93+25.41
 SCALE : 1 INCH = 60 FEET SHEET : A1 of A9

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096

BY	DATE
B.M.H.	7-03
B.M.H.	7-04
B.M.H.	10-04
B.M.H.	6-07

Marchese and Sons, Inc.
 NUMBER 184-002762
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE, IL 60172
 PHONE : (630) 894-5680 FAX : (630) 894-8869

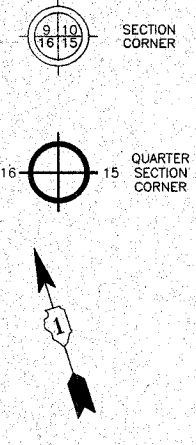
EXISTING R.O.W. INFORMATION

NUMBER	INSTRUMENT	DOCUMENT NO.	RECORDED DATE
[5]	DEDICATION	11209688	3-14-1933
[4]	DEDICATION	17993033	10-18-1960
[1]	DEDICATION	23932825	5-18-1977
[2]	DEDICATION	8885740	12-20-1988
[1]	VACATION	90527564	10-29-1990
[2]	VACATION	92010805	1-7-1992
[3]	DEDICATION	92010803	1-7-1992

CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	281.56	(331.72)	309.93	S19°10'16"E
2	251.56	319.04	298.08	N19°10'16"W
3	(341.56)	373.94	355.54	S14°12'09"W
4	351.92	313.23	308.99	N17°13'40"W
5	351.92	80.59	80.41	S49°17'10"E
6	76.17	46.13	45.43	N67°17'47"W
7	341.56	28.85	28.84	N51°08'55"W
8	(75.00)	(113.90)	(103.27)	(S65°45'55"W)
9	76.165	114.13	103.75	S87°07'32"W
10	(173.24)	(106.34)	(104.68)	S26°36'41"W
11	76.165	68.01	65.77	N69°46'34"E

- LEGEND**
- SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APL APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT-OF-WAY LINE
 - PROPOSED RIGHT-OF-WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - 129.32 (COMP) COMPUTED DIMENSION
 - (129.32) RECORD DATA
 - EXISTING BUILDING
 - IRON PIPE OR ROD FOUND
 - CUT CROSS FOUND OR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT-OF-WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT-OF-WAY STAKING PROPOSED TO BE SET



COUNTY CLERK'S DIVISION OF SEC. 20-T41N-R9E
REC. 5-31-1895

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES	ACQUIRED BY
OFS0002-A	SAFETY-KLEEN CORPORATION A WISCONSIN CORPORATION	(PT) 06 - 20 - 300 - 016	25.025	0.345	N/A	N/A	24.530	
OFS0002-B		06 - 20 - 300 - 017		0.150	N/A	N/A		
OFS0004	NATIONWIDE FINANCIAL LIMITED PARTNERSHIP	(PT) 06 - 20 - 300 - 016	1.813	0.131	N/A	N/A	1.682	
OFS0009	FABIAN D HENRY AND DALE A HOLLINS IN JOINT TENANCY	(PT) 06 - 20 - 300 - 008	0.374	0.374	0.112	N/A	0.00	
OFS0011	DELETE 01-31-08 T, LLC	(PT) 06 - 20 - 300 - 016	38.027	0.097	N/A	N/A	37.930	

Marchese and Sons, Inc.
land - marine - construction surveys
10 MONACO DRIVE, ROSELLE, IL 60172
PHONE : (630) 894-5680 FAX : (630) 894-8869

LINE LEGEND

BY	DATE	MADE	REVISION
BYH	7-03		
BYH	7-04		
DJM	7-05		
JJK	10-07		

LINE	DESCRIPTION	BEARING	DISTANCE
A	(15.95)	S17°09'41"W	15.95
B	114.88	S69°46'18"E	114.88
C	(25.71)	N72°42'27"E	25.71
D	(64.55)	S82°47'33"E	64.55
E	(25.93)	S74°13'33"E	25.93
F	(15.00)	N15°46'27"E	15.00
G	1.72	S74°13'33"E	1.72
H	(100.15)	S77°13'33"E	100.15
J	4.45	S9°02'21"W	4.45
K	0.30	S72°43'30"E	0.30
L	3.34	N9°02'21"E	3.34
M	(200.0)	S73°45'47"E	200.0
N	(48.25)	S2°10'27"W	48.25
P	(11.33)	S17°09'40"W	11.33
Q	2.23	N9°02'21"E	2.23
R	3.20	N9°02'21"E	3.20
S	(5.71)	N9°02'21"E	5.71
T	(12.86)	N9°02'21"E	12.86

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 41 NORTH, RANGE 9 EAST, AND SECTION 29, TOWNSHIP 41 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSELLE, ILLINOIS, THIS 15th DAY OF JULY, 2004

Dominic Marchese
2335 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
ILLINOIS LICENSED PROFESSIONAL LAND SURVEYOR, DELMO, 2335
MY LICENSE EXPIRES ON NOVEMBER 30, 2008

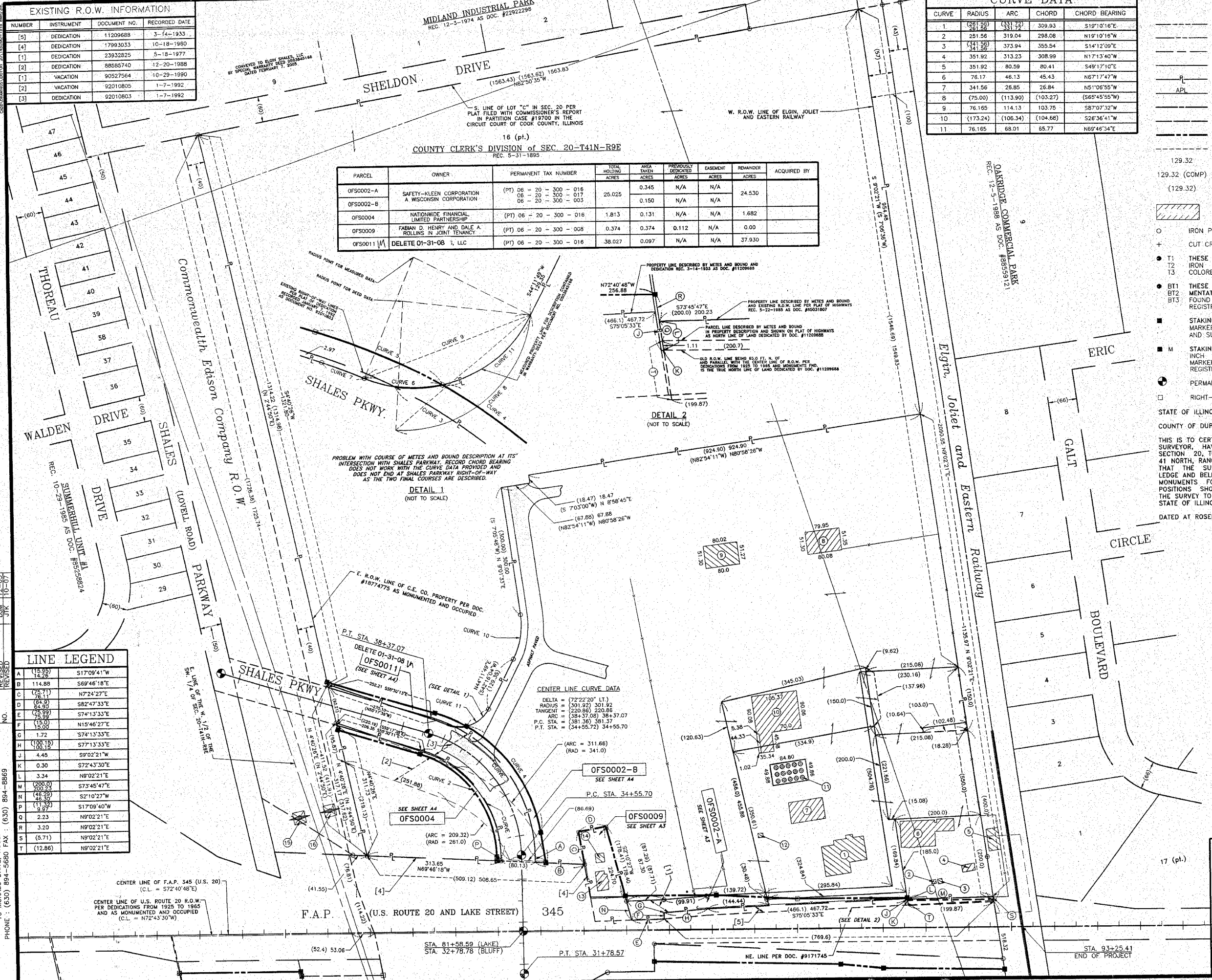
- BUILDING LEGEND**
- 1 = TALL 1 STORY BRICK/METAL BLDG. #1
 - 2 = METAL BLDG. #2
 - 3 = METAL BLDG. #3
 - 4 = 1 STORY CONC. BLOCK BLDG. #4
 - 5 = 1 STORY METAL BLDG. #5
 - 6 = TALL 1 STORY BRICK/METAL BLDG. #6
 - 7 = OPEN-ENDED METAL BLDG.
 - 8 = 2 STORY CONC. BLOCK BLDG. #8
 - 9 = 2 STORY CONC. BLOCK BLDG. #9
 - 10 = TALL 1 STORY CONC. BLOCK BLDG. #10
 - 11 = METAL STORAGE TANK FARM
 - 12 = METAL BLDG. #12
 - 13 = MULTILEVEL FRAME RESD. #1400
 - 14 = FRAME GARAGE
 - 15 = C.E. CO. STEEL STRUCTURE
 - 16 = C.E. CO. STEEL STRUCTURE
- RECEIVED
JAN 6 2008
PLATS & LEGALS COORDINATE VALUES

TOTAL HOLDING DETAIL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 345 (US 20)

SECTION : COOK COUNTY
PROJECT : JOB NO. : R-90-017-01
STATION : 81+58.59 TO STATION : 93+25.41
SCALE : 1 INCH = 100 FEET SHEET : A2 of A10

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196-1096

AS DOCUMENT NO.

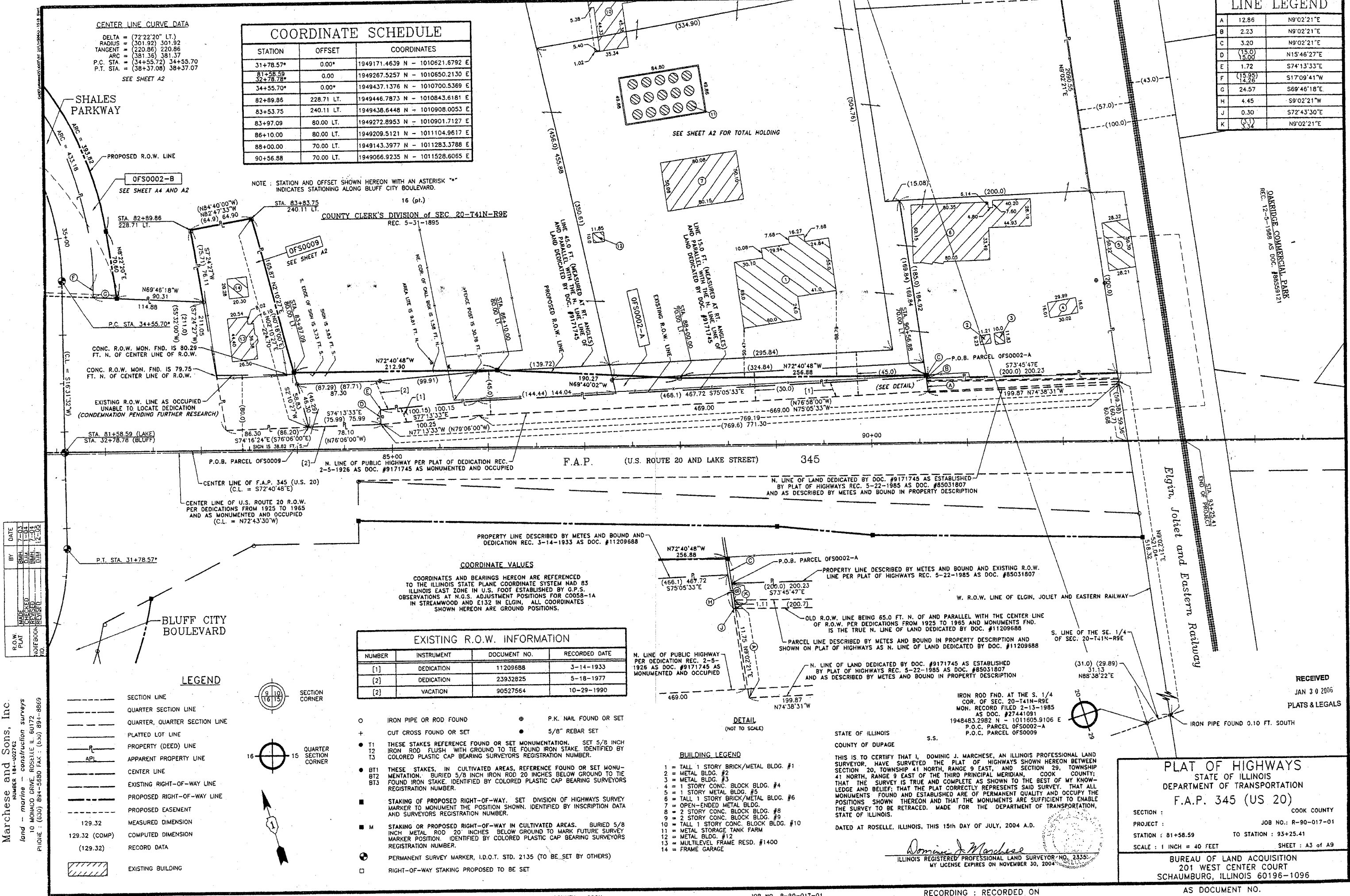


LINE LEGEND		
A	12.86	N9°02'21"E
B	2.23	N9°02'21"E
C	3.20	N9°02'21"E
D	15.60	N15°46'27"E
E	1.72	S74°13'33"E
F	(15.95)	S17°09'41"W
G	24.57	S69°46'18"E
H	4.45	S9°02'21"W
J	0.30	S72°43'30"E
K	(3.1)	N9°02'21"E

CENTER LINE CURVE DATA
 DELTA = (72°22'20" LT.)
 RADIUS = (301.92) 301.92
 TANGENT = (220.86) 220.86
 ARC = (381.36) 381.37
 P.C. STA. = (34+55.72) 34+55.70
 P.T. STA. = (38+37.08) 38+37.07
 SEE SHEET A2

COORDINATE SCHEDULE		
STATION	OFFSET	COORDINATES
31+78.57*	0.00*	1949171.4639 N - 1010621.6792 E
81+58.59	0.00	1949267.5257 N - 1010650.2130 E
34+55.70*	0.00*	1949437.1376 N - 1010700.5369 E
82+89.86	228.71 LT.	1949446.7873 N - 1010843.6181 E
83+53.75	240.11 LT.	1949438.6448 N - 1010908.0053 E
83+97.09	80.00 LT.	1949272.8953 N - 1010901.7127 E
86+10.00	80.00 LT.	1949209.5121 N - 1011104.9617 E
88+00.00	70.00 LT.	1949143.3977 N - 1011283.3788 E
90+56.88	70.00 LT.	1949066.9235 N - 1011528.6065 E

NOTE: STATION AND OFFSET SHOWN HEREON WITH AN ASTERISK "*" INDICATES STATIONING ALONG BLUFF CITY BOULEVARD.

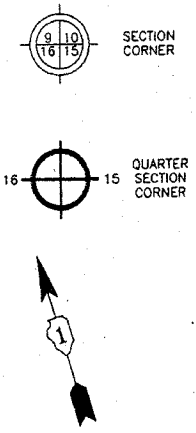


BY	DATE
MADE	03-14-2006
CHECKED	03-14-2006
REVISION	03-14-2006
NOISEBOOK	03-14-2006
NO.	03-14-2006

Marchese and Sons, Inc.
 NUMBER 184-02782
 land - marine - construction surveys
 10 MONACO DRIVE, ROSSELLE, IL 60172
 PHONE: (630) 894-5680 FAX: (630) 894-8869

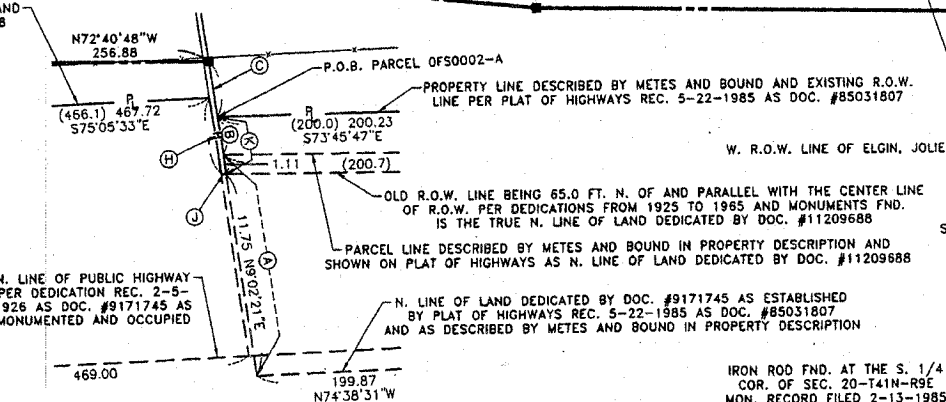
LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32 MEASURED DIMENSION
- 129.32 (COMP) COMPUTED DIMENSION
- (129.32) RECORD DATA
- EXISTING BUILDING



COORDINATE VALUES
 COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83 ILLINOIS EAST ZONE IN U.S. FOOT ESTABLISHED BY G.P.S. OBSERVATIONS AT N.G.S. ADJUSTMENT POSITIONS FOR CO058-1A IN STREAMWOOD AND E132 IN ELGIN. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

EXISTING R.O.W. INFORMATION			
NUMBER	INSTRUMENT	DOCUMENT NO.	RECORDED DATE
(1)	DEDICATION	11209688	3-14-1933
(2)	DEDICATION	23932825	5-18-1977
(2)	VACATION	90527564	10-29-1990



- BUILDING LEGEND**
- 1 = TALL 1 STORY BRICK/METAL BLDG. #1
 - 2 = METAL BLDG. #2
 - 3 = METAL BLDG. #3
 - 4 = 1 STORY CONC. BLOCK BLDG. #4
 - 5 = 1 STORY METAL BLDG. #5
 - 6 = TALL 1 STORY BRICK/METAL BLDG. #6
 - 7 = OPEN-ENDED METAL BLDG.
 - 8 = 2 STORY CONC. BLOCK BLDG. #8
 - 9 = 2 STORY CONC. BLOCK BLDG. #9
 - 10 = TALL 1 STORY CONC. BLOCK BLDG. #10
 - 11 = METAL STORAGE TANK FARM
 - 12 = METAL BLDG. #12
 - 13 = MULTILEVEL FRAME RESD. #1400
 - 14 = FRAME GARAGE

STATE OF ILLINOIS
 COUNTY OF DUPAGE
 S.S.
 THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 41 NORTH, RANGE 9 EAST, AND SECTION 29, TOWNSHIP 41 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT ROSELLE, ILLINOIS, THIS 15th DAY OF JULY, 2004 A.D.
 DOMINIC J. MARCHESE
 ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
 MY LICENSE EXPIRES ON NOVEMBER 30, 2004

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 345 (US 20)

SECTION: COOK COUNTY
 PROJECT: JOB NO.: R-90-017-01
 STATION: 81+58.59 TO STATION: 93+25.41
 SCALE: 1 INCH = 40 FEET SHEET: A3 OF A9

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096
 AS DOCUMENT NO.

RECEIVED
 JAN 30 2006
 PLATS & LEGALS

COORDINATE SCHEDULE		
STATION	OFFSET	COORDINATES
31+78.57	0.00	1949171.4639 N - 1010621.6792 E
81+58.59*	0.00	1949267.5257 N - 1010650.2130 E
32+78.78		1949402.5416 N - 1010749.0681 E
34+36.34	56.37 RT.	1949442.2017 N - 1010641.4398 E
34+43.75	58.10 LT.	1949451.2188 N - 1010644.2244 E
34+53.18	57.99 LT.	1949472.3940 N - 1010759.3484 E
34+55.70	0.00	1949772.8671 N - 1010580.5896 E
34+99.20	50.00 RT.	1949814.2440 N - 1010608.6601 E
37+67.93	50.00 RT.	1949761.7918 N - 1010669.6118 E
38+37.07	0.00	1949772.8671 N - 1010580.5896 E
38+37.07	50.00 RT.	1949814.2440 N - 1010608.6601 E
38+42.90	52.41 LT.	1949732.7699 N - 1010546.3364 E
40+43.52	51.21 LT.	1949846.3933 N - 1010380.9937 E
41+00.74	50.00 RT.	1949962.2684 N - 1010390.4674 E

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION
- BT2 BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET
- P.K. NAIL FOUND OR SET
- 5/8" REBAR SET

CENTER LINE CURVE DATA

DELTA = (72°22'20" LT.)
 RADIUS = (301.92) 301.92
 TANGENT = (220.86) 220.86
 ARC = (381.36) 381.37
 P.C. STA. = (34+55.72) 34+55.70
 P.T. STA. = (38+37.08) 38+37.07

SEE SHEET A2

CURVE DATA				
CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	261.56	331.72	309.93	S19°10'16"E
2	251.56	319.04	298.08	N19°10'16"W
3	341.56	373.94	355.54	S14°12'09"E
4	351.92	313.23	302.99	N17°13'40"W
5	351.92	80.59	80.41	S49°17'10"E
6	76.165	46.13	45.43	N67°17'47"W
7	341.56	26.85	26.84	N51°06'55"W
8	76.165	27.83	27.67	N74°10'38"W
9	76.165	68.01	65.77	N69°46'34"E

LINE LEGEND	
A	(11.32) 9.97 S17°09'40"W
B	10.01 N69°46'18"W
C	9.44 N17°09'40"E
D	11.53 N4°40'26"E
E	(92.21) 92.21 N4°40'26"E
F	(15.95) 14.26 S17°09'41"W
G	24.57 S69°46'18"E
H	7.58 N4°40'26"E
J	(15.0) 15.00 N15°46'27"E
K	1.72 S74°13'33"E
L	(52.4) 53.06 S72°43'30"E
M	15.49 S72°43'30"E
N	(80.13) 80.11 N69°46'18"W
P	4.95 N4°40'26"E
Q	5.44 N4°40'26"E
R	(206.38) 206.38 S55°30'11"E
S	93.72 N53°22'02"W
T	172.49 N55°30'13"W
U	(220.19) (55°17'38"E)

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 41 NORTH, RANGE 9 EAST, AND SECTION 29, TOWNSHIP 41 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY. THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSELLE, ILLINOIS, THIS 15th DAY OF JULY, 2008 A.D.

Domini Marchese
 ILLINOIS LICENSED PROFESSIONAL LAND SURVEYOR NO. 2336
 MY LICENSE EXPIRES ON NOVEMBER 30, 2016

EXISTING R.O.W. INFORMATION			
NUMBER	INSTRUMENT	DOCUMENT NO.	RECORDED DATE
[1]	DEDICATION	88585740	12-20-1988
[1]	VACATION	92010805	1-7-1992
[2]	DEDICATION	92010803	1-7-1992

COORDINATE VALUES

COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83 ILLINOIS EAST ZONE IN U.S. FOOT ESTABLISHED BY G.P.S. OBSERVATIONS AT N.G.S. ADJUSTMENT POSITIONS FOR CO058-1A IN STREAMWOOD AND E132 IN ELGIN. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

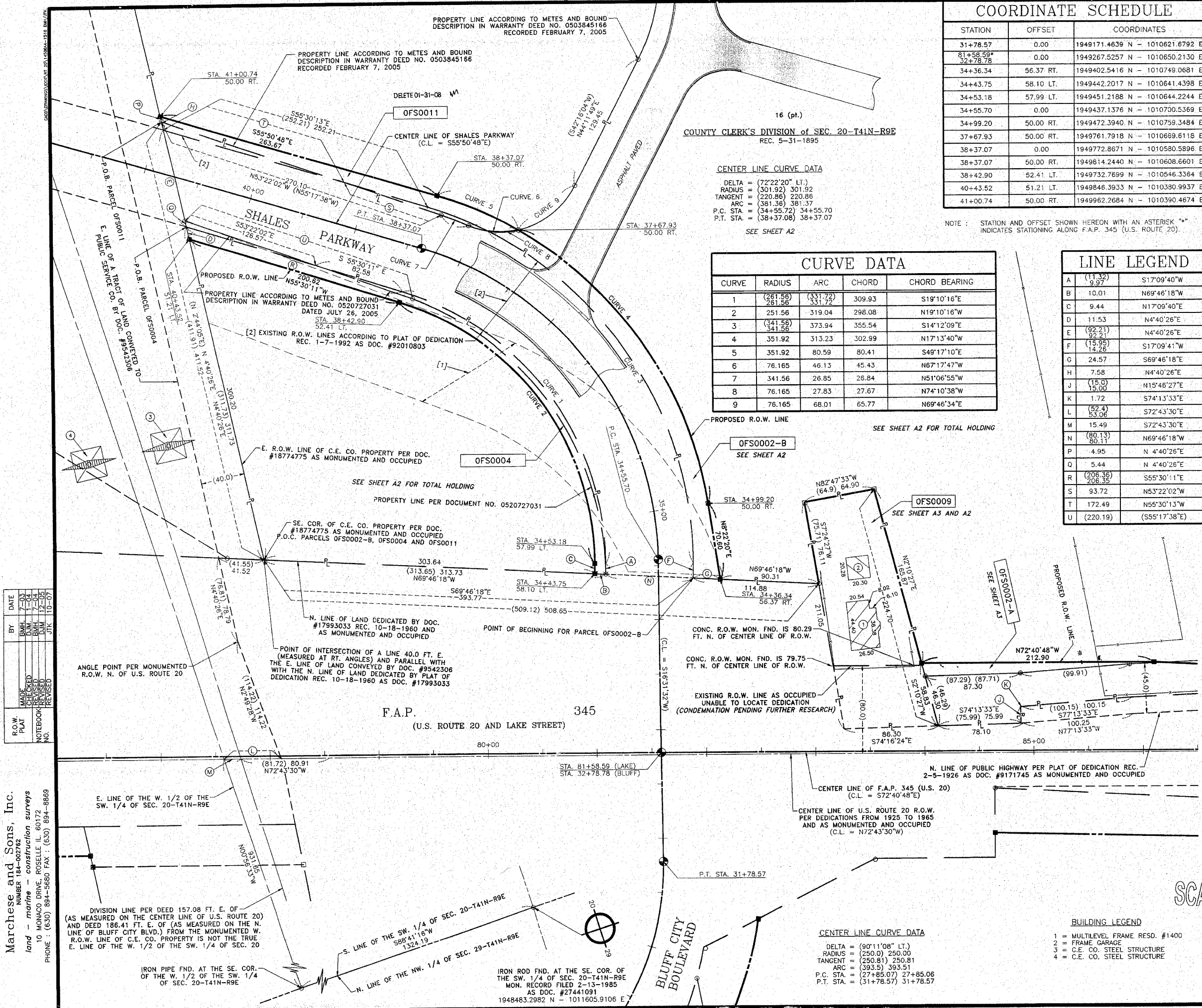
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
F.A.P. 345 (US 20)

SECTION : COOK COUNTY
 PROJECT : JOB NO.: R-90-017-01
 STATION : 32+78.78 TO STATION : 41+00.74
 SCALE : 1 INCH = 40 FEET SHEET : A4 of A10

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096

BY	DATE
BM	7-03
DM	7-04
JMK	12-05
JMK	10-07

Marchese and Sons, Inc.
 NUMBER 18-02762
 land - mtrrre - construction surveys
 10 MONACO DRIVE, ROSELLE IL 60172
 PHONE : (630) 894-5680 FAX : (630) 894-8869



BUILDING LEGEND

- MULTILEVEL FRAME RESD. #1400
- FRAME GARAGE
- C.E. CO. STEEL STRUCTURE
- C.E. CO. STEEL STRUCTURE

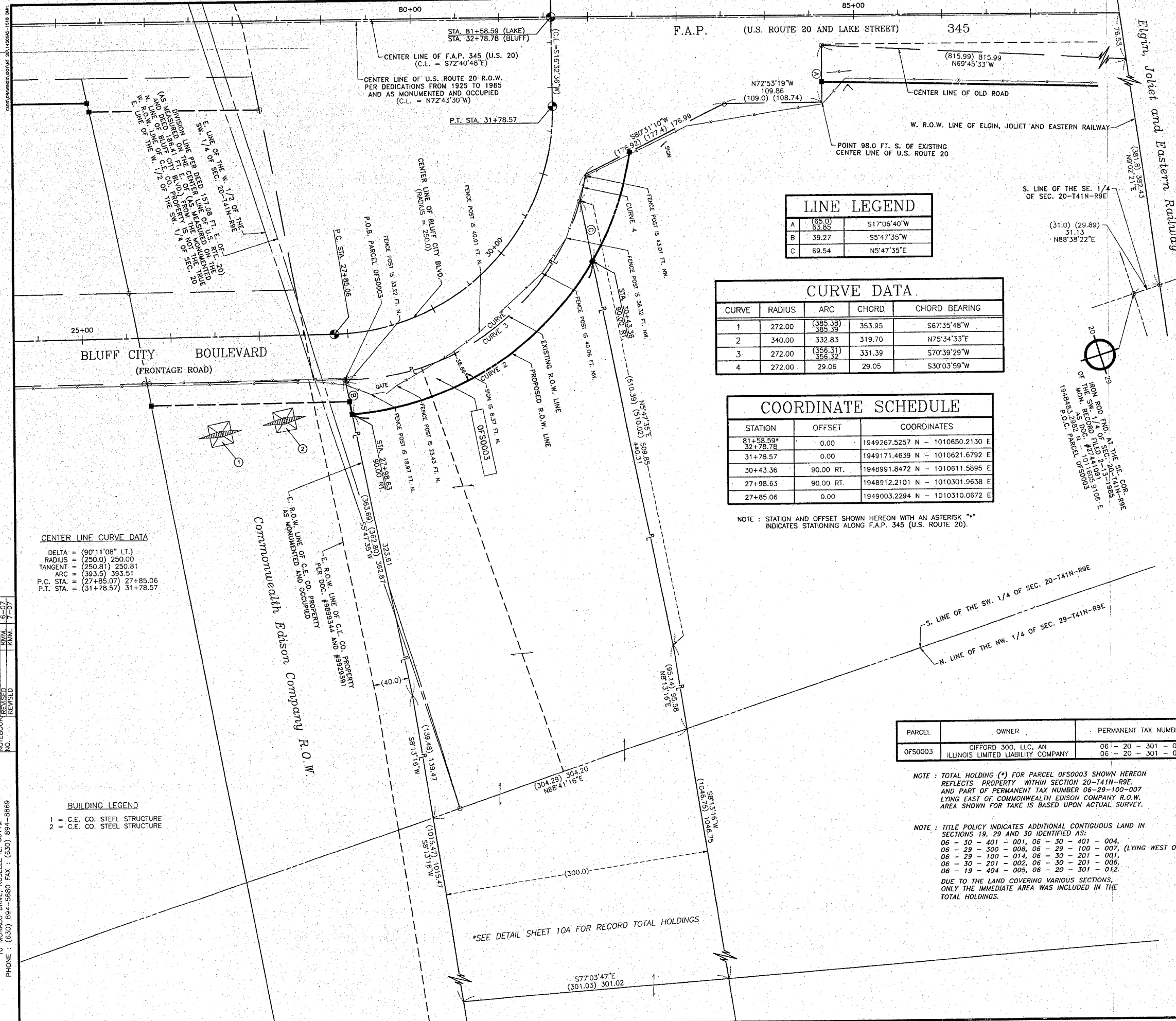
SCANNED
 RECEIVED
 JAN 8 1 2008
 PLATS & LEGALS
 RECEIVED
 OCT 2 2007
 PLATS & LEGALS

CENTER LINE CURVE DATA

DELTA = (90°11'08" LT.)
 RADIUS = (250.0) 250.00
 TANGENT = (250.81) 250.81
 ARC = (393.5) 393.51
 P.C. STA. = (27+85.07) 27+85.06
 P.T. STA. = (31+78.57) 31+78.57

IRON PIPE FND. AT THE SE. COR. OF THE W. 1/2 OF THE SW. 1/4 OF SEC. 20-T41N-R9E

IRON ROD FND. AT THE SE. COR. OF THE SW. 1/4 OF SEC. 20-T41N-R9E MON. RECORD FILED 2-13-1985 AS DOC. #27441091 1948483.2982 N - 1011605.9106 E



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

O IRON PIPE OR ROD FOUND P.K. NAIL FOUND OR SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
 ● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ■ STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 ■ M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 □ RIGHT-OF-WAY STAKING PROPOSED TO BE SET

LINE LEGEND

A	65.0	S17°06'40"W
B	39.27	S5°47'35"W
C	69.54	N5°47'35"E

CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	272.00	(385.38) 385.39	353.95	S67°35'48"W
2	340.00	332.83	319.70	N75°34'33"E
3	272.00	(356.31) 356.32	331.39	S70°39'29"W
4	272.00	29.06	29.05	S30°03'59"W

COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
81+58.59*	0.00	1949267.5257 N - 1010650.2130 E
32+78.78	0.00	1949171.4639 N - 1010621.6792 E
31+78.57	0.00	1948991.8472 N - 1010611.5895 E
30+43.36	90.00 RT.	1948912.2101 N - 1010301.9638 E
27+98.63	90.00 RT.	1948912.2101 N - 1010301.9638 E
27+85.06	0.00	1949003.2294 N - 1010310.0672 E

NOTE: STATION AND OFFSET SHOWN HEREON WITH AN ASTERISK "*" INDICATES STATIONING ALONG F.A.P. 345 (U.S. ROUTE 20).

CENTER LINE CURVE DATA

DELTA = 90°11'08" LT.
 RADIUS = (250.0) 250.00
 TANGENT = (250.81) 250.81
 ARC = (393.5) 393.51
 P.C. STA. = (27+85.07) 27+85.06
 P.T. STA. = (31+78.57) 31+78.57

DATE	BY	REVISION
03-03-07	SMH	MADE
04-04-07	KJM	CHECKED
07-09-07	SMH	REVISED
07-09-07	KJM	REVISED

BUILDING LEGEND

1 = C.E. CO. STEEL STRUCTURE
 2 = C.E. CO. STEEL STRUCTURE

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING* ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES	ACQUIRED BY
0FS0003	GIFFORD 300, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	06 - 20 - 301 - 014 06 - 20 - 301 - 018	100.331*	0.281	N/A	N/A	100.050*	

NOTE: TOTAL HOLDING (*) FOR PARCEL 0FS0003 SHOWN HEREON REFLECTS PROPERTY WITHIN SECTION 20-T41N-R9E AND PART OF PERMANENT TAX NUMBER 06-29-100-007 LYING EAST OF COMMONWEALTH EDISON COMPANY R.O.W. AREA SHOWN FOR TAKE IS BASED UPON ACTUAL SURVEY.

NOTE: TITLE POLICY INDICATES ADDITIONAL CONTIGUOUS LAND IN SECTIONS 19, 29 AND 30 IDENTIFIED AS:
 06 - 30 - 401 - 001, 06 - 30 - 401 - 004,
 06 - 29 - 300 - 008, 06 - 29 - 100 - 007, (LYING WEST OF C.E.C.O. R.O.W.)
 06 - 29 - 100 - 014, 06 - 30 - 201 - 001,
 06 - 30 - 201 - 002, 06 - 30 - 201 - 005,
 06 - 19 - 404 - 005, 06 - 20 - 301 - 012.

DUE TO THE LAND COVERING VARIOUS SECTIONS, ONLY THE IMMEDIATE AREA WAS INCLUDED IN THE TOTAL HOLDINGS.

COORDINATE VALUES

COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83 ILLINOIS EAST ZONE IN U.S. FOOT ESTABLISHED BY G.P.S. OBSERVATIONS AT N.G.S. ADJUSTMENT POSITIONS FOR 0058-1A IN STREAMWOOD AND E132 IN ELGIN. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

RECEIVED
DEC 11 2007
PLATS & LEGALS

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 345 (US 20)

SECTION: COOK COUNTY
PROJECT: JOB NO.: R-90-017-01
STATION: 27+85.06 TO STATION: 32+78.78
SCALE: 1 INCH = 50 FEET SHEET: 5A OF 9A

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
AS DOCUMENT NO.

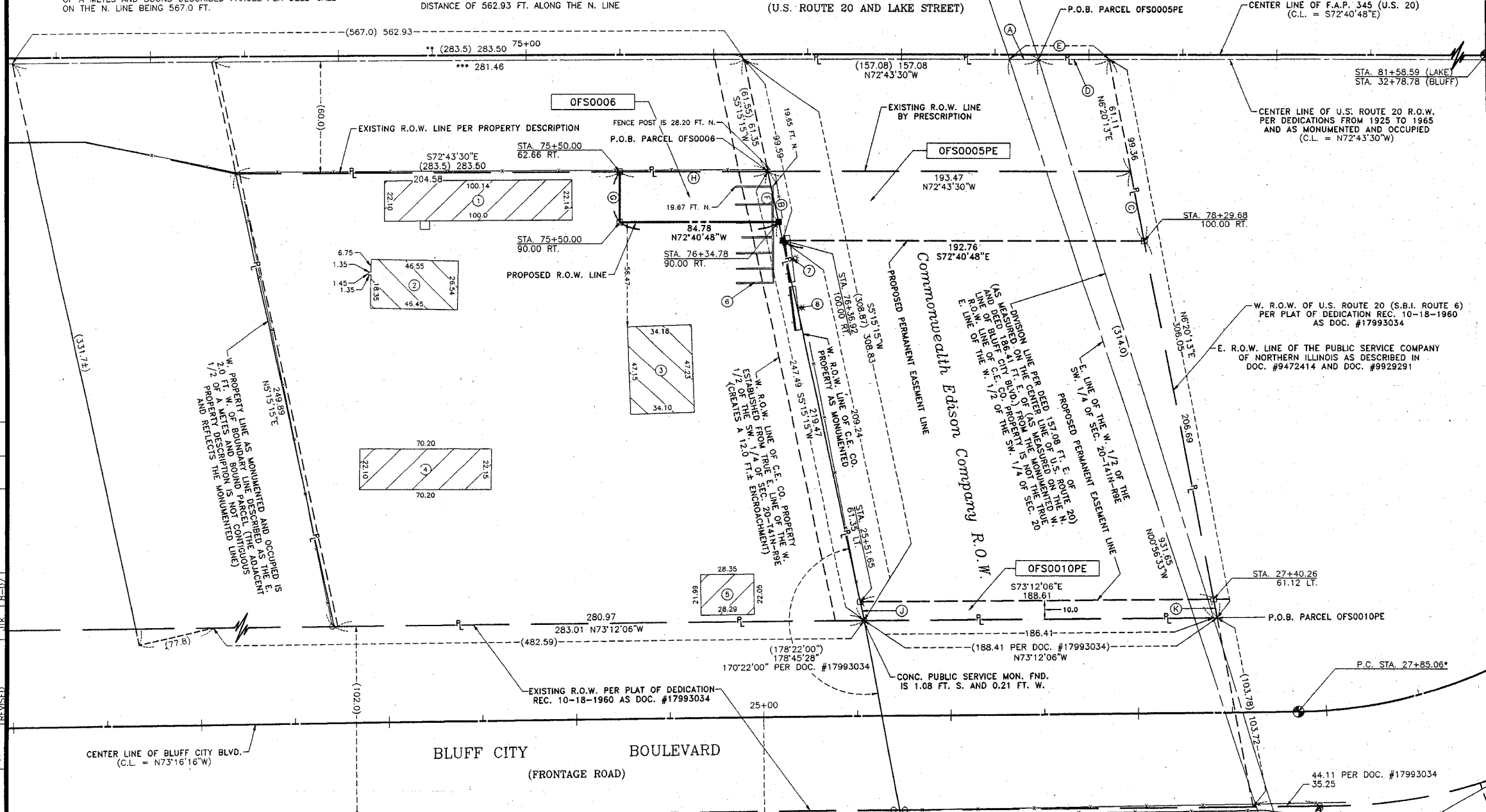
Marchese and Sons, Inc.
NUMBER 184-00762
land - marine - construction surveys
10 MONACO DRIVE, ROSELLE, IL, 60172
PHONE: (630) 894-5680 FAX: (630) 894-8869

Section 20, Township 41 North, Range 9 East of the 3rd P.M., Cook County, Illinois

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES	ACQUIRED BY
OFS0010PE	COMMONWEALTH EDISON COMPANY WHO ACQUIRED TITLE AS PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS, AN ILLINOIS CORPORATION	06 - 20 - 301 - 015	1.326	N/A	N/A	0.043	1.326	
OFS0005PE	COMMONWEALTH EDISON COMPANY WHO ACQUIRED TITLE AS PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS, AN ILLINOIS CORPORATION	06 - 20 - 301 - 015	1.326	N/A	0.267	0.434	1.326	
OFS0006	HIGHWAY COMMERCIAL PARK, LLC AN ILLINOIS LIMITED LIABILITY COMPANY	06 - 20 - 301 - 010	1.583	0.051	N/A	N/A	1.532	

** 283.50 FT. IS BOUNDARY DIMENSION ACCORDING TO THE E. 1/2 OF A METES AND BOUND DESCRIBED PARCEL PER DEED CALL ON THE N. LINE BEING 567.0 FT.
 *** 281.46 FT. IS BOUNDARY DIMENSION ACCORDING TO THE E. 1/2 OF A METES AND BOUND DESCRIBED PARCEL PER CALCULATED DISTANCE OF 562.93 FT. ALONG THE N. LINE

F.A.P. 345
(U.S. ROUTE 20 AND LAKE STREET)



COORDINATE VALUES
 COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83 ILLINOIS EAST ZONE IN U.S. FOOT ESTABLISHED BY G.P.S. OBSERVATIONS AT N.G.S. ADJUSTMENT POSITIONS FOR CO058-1A IN STREAMWOOD AND E132 IN ELGIN. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- P.K. NAIL FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- M STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS
 COUNTY OF DUPAGE
 THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 41 NORTH, RANGE 9 EAST, AND SECTION 29, TOWNSHIP 41 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT ROSELLE, ILLINOIS, THIS 19th DAY OF JANUARY, 2007



CENTER LINE CURVE DATA
 DELTA = (90°11'08" LT.)
 RADIUS = (250.0) 250.00
 TANGENT = (250.81) 250.81
 ARC = (393.5) 393.51
 P.C. STA. = (27+85.07) 27+85.06
 P.T. STA. = (31+78.57) 31+78.57

SCANNED

IRON ROD FND. AT THE S. 1/4 COR. OF SEC. 20-T41N-R9E MON. RECORD FILED 2-13-1985 AS DOC. #27441091 1948483.2982 N 1011605.9106 E P.O.C. PARCELS OFS0005PE, OFS0006 AND OFS0010

Marchese and Sons, Inc.
 NUMBER 184-002762
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE, IL 60172
 PHONE: (630) 894-5860 FAX: (630) 894-8869

COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
75+50.00	62.66 RT.	1949388.8895 N - 1010050.5639 E
75+50.00	90.00 RT.	1949362.7897 N - 1010042.4247 E
76+34.78	90.00 RT.	1949337.5507 N - 1010123.3577 E
76+36.92	100.00 RT.	1949327.3678 N - 1010122.4213 E
78+29.68	100.00 RT.	1949269.9805 N - 1010306.4435 E
81+58.59	0.00	1949267.5257 N - 1010650.2130 E
32+78.78*	0.00*	1949003.2294 N - 1010310.0672 E
27+85.06*	61.12 LT.*	1949074.6618 N - 1010284.7527 E
27+40.26*	61.35 LT.*	1949129.1698 N - 1010104.1949 E

BUILDING LEGEND

- 1 STORY METAL BLDG.
- 2 STORY FRAME BLDG. #1350
- 1 STORY METAL BLDG.
- 1 STORY METAL BLDG.
- 1 STORY METAL BLDG.
- CONC. STORAGE BINS
- BILLBOARD ADVERTISEMENT SIGN
- BILLBOARD ADVERTISEMENT SIGN
- C.E. CO. STEEL STRUCTURE
- C.E. CO. STEEL STRUCTURE

LINE LEGEND

LINE	LENGTH	BEARING
A	15.49	S72°43'30"E
B	38.25	S 5°15'15"W
C	38.25	N 6°20'13"E
D	(37.57)	N72°43'30"W
E	(52.4)	S72°43'30"E
F	28.02	S 5°15'15"W
G	27.34	N17°19'12"E
H	78.92	S72°43'30"E
J	10.21	N 5°15'15"E
K	10.17	S 6°20'13"W

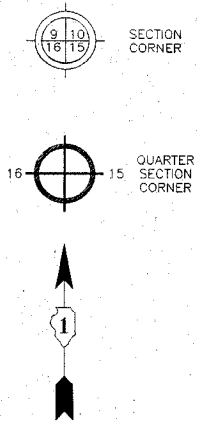
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 345 (US 20)
 SECTION: COOK COUNTY
 PROJECT: STATION: 75+50.00 TO STATION: 81+58.59
 JOB NO.: R-90-017-01
 SCALE: 1 INCH = 30 FEET SHEET: A6 of A10
 BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096
 AS DOCUMENT NO.

BUILDING LEGEND

- 1 = C.E. CO. STEEL STRUCTURE
- 2 = C.E. CO. STEEL STRUCTURE

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32 MEASURED DIMENSION
- 129.32 (COMP) COMPUTED DIMENSION
- (129.32) RECORD DATA
- [Hatched Box] EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET



COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
19+79.00	0.00	1949235.2479 N - 1009538.1215 E
25+76.61	75.68 RT.	1948990.7556 N - 1010088.6559 E
27+85.06	0.00	1949003.2294 N - 1010310.0672 E
27+97.18	76.26 RT.	1948926.0125 N - 1010303.3642 E

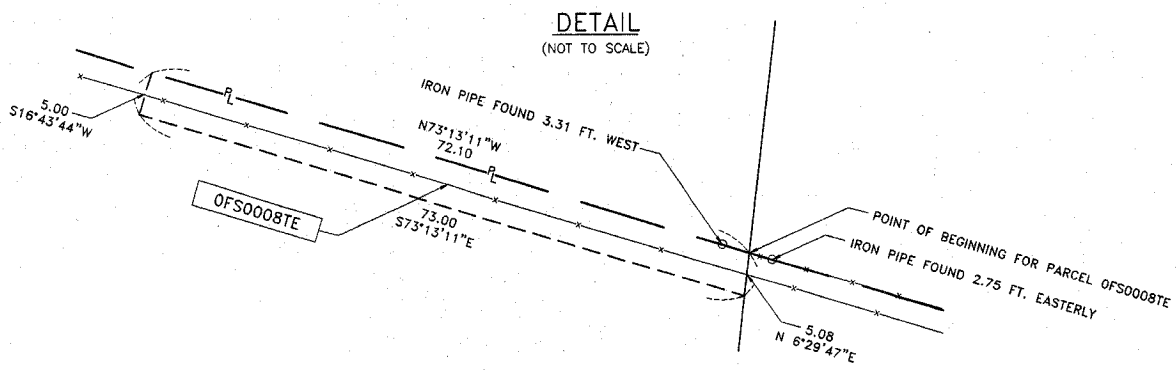
LINE LEGEND

A	32.72	S88°41'16"W
B	25.41	S6°29'47"W
C	25.39	N5°47'35"E

* NOTE : TOTAL HOLDING SHOWN HEREON DOES NOT INCLUDE CONTIGUOUS PROPERTY AND IS THE AREA LYING S. OF THE S.W. LINE OF BLUFF CITY BOULEVARD AND N. OF THE S. LINE OF THE SW. 1/4 OF SEC. 20-T41N-R9E.

** NOTE : TOTAL HOLDING SHOWN HEREON DOES NOT INCLUDE CONTIGUOUS PROPERTY AND IS THE AREA LYING N. OF THE S. LINE OF THE SW. 1/4 OF SEC. 20-T41N-R9E.

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES	ACQUIRED BY
OFS0007PE	COMMONWEALTH EDISON COMPANY WHO ACQUIRED TITLE AS PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS, AN ILLINOIS CORPORATION	06 - 20 - 301 - 016	2.745*	N/A	N/A	0.128	2.745	
OFS0008TE	GIFFORD 300, LLC AN ILLINOIS LIMITED LIABILITY COMPANY	06 - 20 - 301 - 012	18.999**	N/A	N/A	0.008	N/A	



CALCULATED POSITION OF STONE FND. AS INDICATED ON C.E. CO. STRIP MAP (1920-1930)
1948422.6497 N - 1008958.2451 E

STATE OF ILLINOIS S.S.
COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 41 NORTH, RANGE 9 EAST, AND SECTION 29, TOWNSHIP 41 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSELLE, ILLINOIS, THIS 6th DAY OF JANUARY, 2004 A.D.

Dominic J. Marchese
ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
MY CURRENT LICENSE EXPIRES ON NOVEMBER 30, 2008

CENTER LINE CURVE DATA

DELTA = (90°11'08" LT.)
RADIUS = (250.0) 250.00
TANGENT = (250.81) 250.81
ARC = (393.5) 393.51
P.C. STA. = (27+85.07) 27+85.06
P.T. STA. = (31+78.57) 31+78.57

COORDINATE VALUES

COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83 ILLINOIS EAST ZONE IN U.S. FOOT ESTABLISHED BY G.P.S. OBSERVATIONS AT N.G.S. ADJUSTMENT POSITIONS FOR CO058-1A IN STREAMWOOD AND E132 IN ELGIN. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

SCANNED

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 345 (US 20)

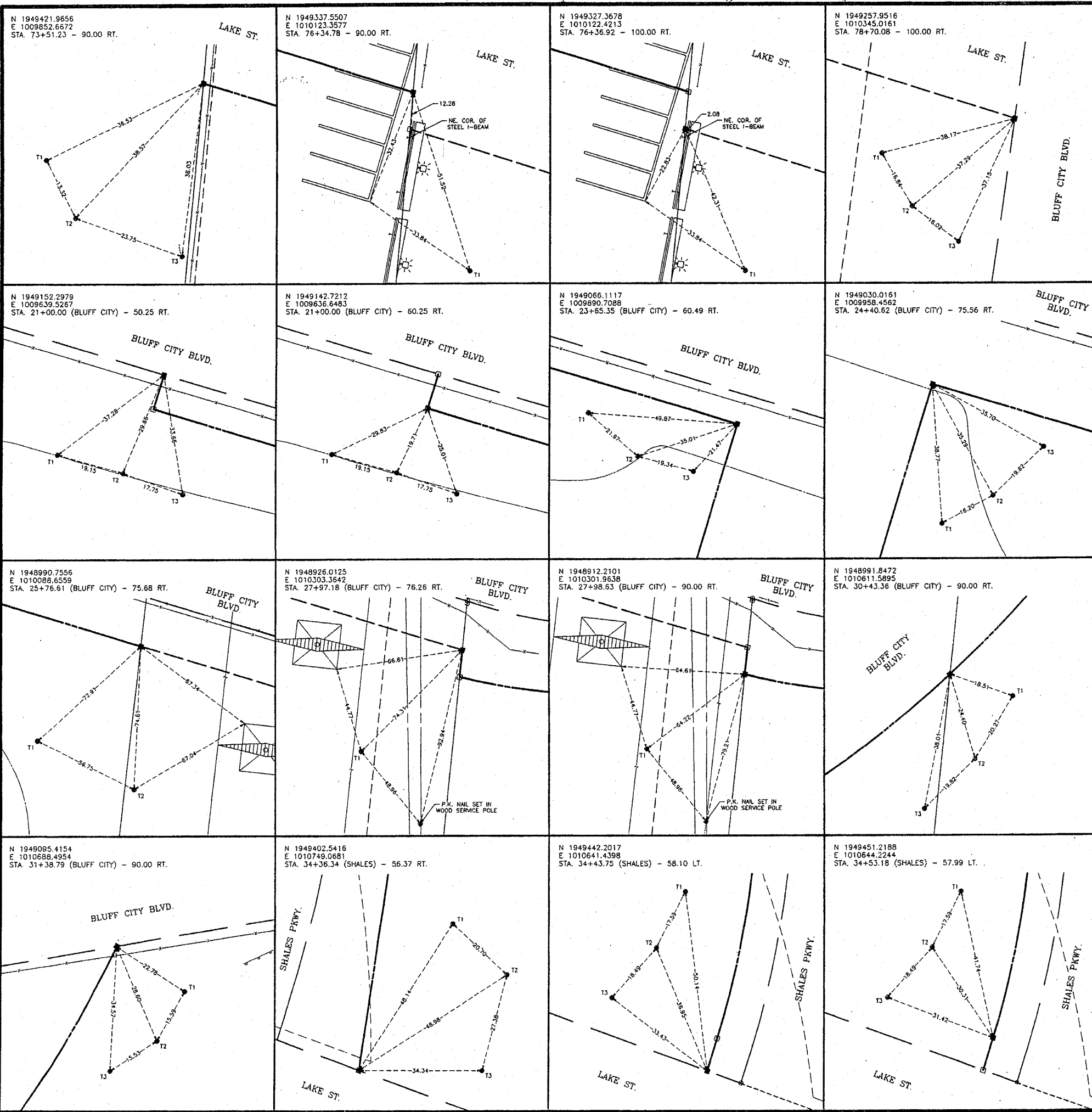
SECTION : COOK COUNTY
PROJECT : JOB NO.: R-90-017-01
STATION : 19+79.00 TO STATION : 27+97.18
SCALE : 1 INCH = 40 FEET SHEET : A7 of A10

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

BY	DATE
DMH	11-20-04
DJM	11-04-04
TKW	10-20-04

MADE, CHECKED, NOTED, REVISIONS

Marchese and Sons, Inc.
NUMBER 184-002782
land - marine - construction surveys
10 MONACO DRIVE, ROSELLE, IL 60172
PHONE : (630) 894-5680 FAX : (630) 894-8869



LEGEND

- SECTION LINE
- - - - QUARTER SECTION LINE
- - - - QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32 MEASURED DIMENSION
- 129.32 (COMP) COMPUTED DIMENSION
- (129.32) RECORD DATA
- [Hatched Box] EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8" INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- BT3
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- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS S.S.
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 41 NORTH, RANGE 9 EAST, AND SECTION 29, TOWNSHIP 41 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY. THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSELLE, ILLINOIS, THIS 6th DAY OF JANUARY, 2004 A.D.

Dominic J. Marchesi
 ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR
 MY LICENSE EXPIRES ON NOVEMBER 30, 2004

BY	DATE
DMJ	11-03
DMJ	11-04
MADE	
CHECKED	
REVISOR	
R.O.W. PLAT	
NOTEBOOK	
NO.	

COORDINATE VALUES

COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83 ILLINOIS EAST ZONE IN U.S. FOOT ESTABLISHED BY G.P.S. OBSERVATIONS AT N.G.S. ADJUSTMENT POSITIONS FOR CO058-1A IN STREAMWOOD AND E132 IN ELGIN. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

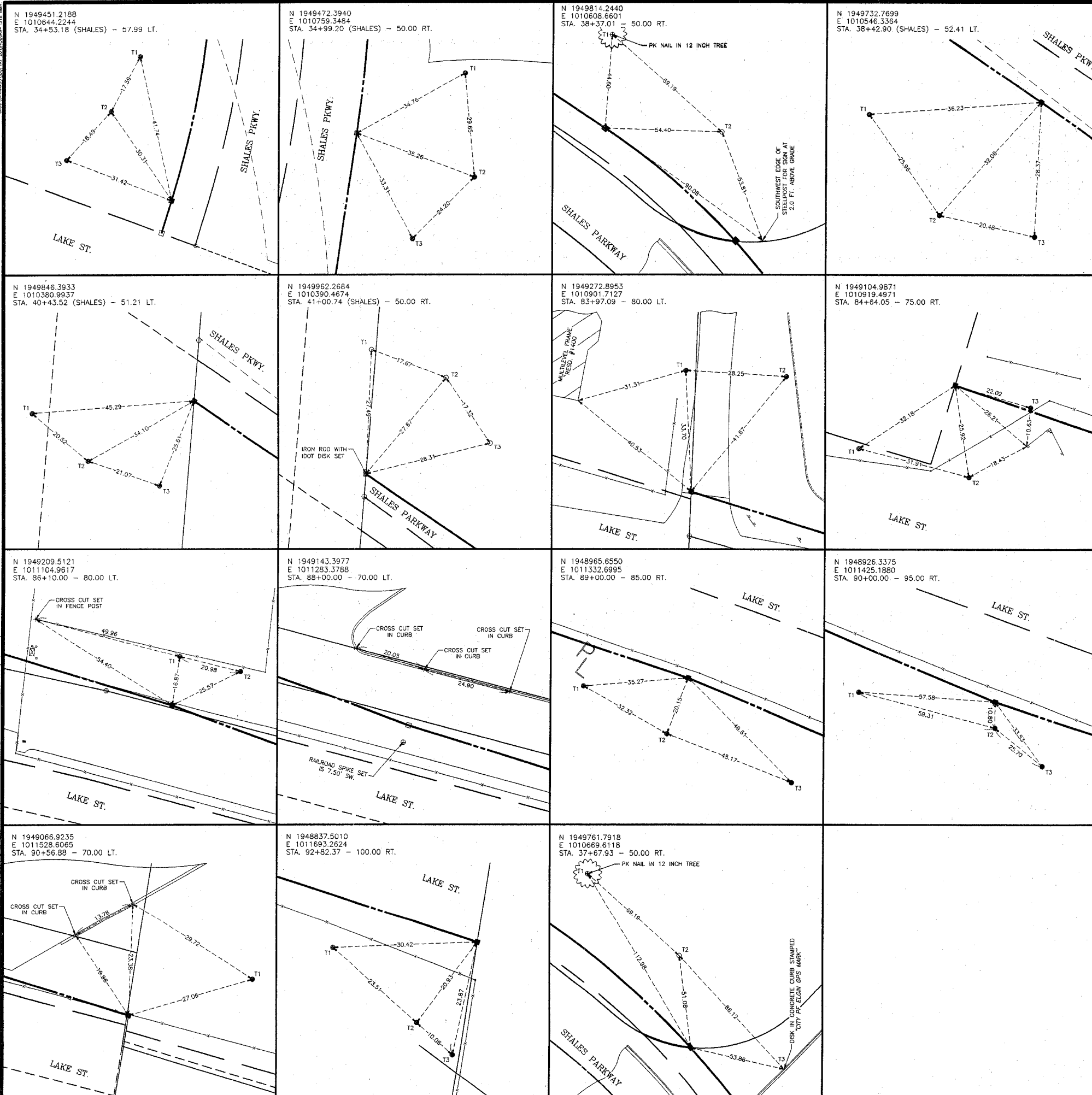
WITNESS SKETCHES
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 345 (US 20)

SECTION : COOK COUNTY
 PROJECT : JOB NO.: R-90-017-01
 STATION : 73+51.23 TO STATION : 34+53.18 (SHALES)
 SCALE : (NOT TO SCALE) SHEET : A8 of A9

RECEIVED
 JAN 08 2004
 PLATS & LEGAL

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096

Marchese and Sons, Inc.
 land - marine - construction surveys
 184-002782
 TO MONACO DRIVE, ROSELLE, IL 60172
 PHONE : (630) 894-5660 FAX : (630) 894-8869



LEGEND

- SECTION LINE
- - - - QUARTER SECTION LINE
- - - - QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- - - - EXISTING RIGHT-OF-WAY LINE
- - - - PROPOSED RIGHT-OF-WAY LINE
- - - - PROPOSED EASEMENT
- 129.32 MEASURED DIMENSION
- 129.32 (COMP) COMPUTED DIMENSION
- (129.32) RECORD DATA
- ▨ EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
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- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 41 NORTH, RANGE 9 EAST, AND SECTION 29, TOWNSHIP 41 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY. THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSELLE, ILLINOIS, THIS 15th DAY OF JULY, 2004 A.D.

Dominic J. Marchese
 ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
 MY LICENSE EXPIRES ON NOVEMBER 30, 2008



SCANNED

COORDINATE VALUES

COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83 ILLINOIS EAST ZONE IN U.S. FOOT ESTABLISHED BY C.P.S. OBSERVATIONS AT N.G.S. ADJUSTMENT POSITIONS FOR CO058-1A IN STREAMWOOD AND E132 IN ELGIN. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

WITNESS SKETCHES
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 345 (US 20)

SECTION : COOK COUNTY
 PROJECT : JOB NO.: R-90-017-01
 STATION : 34+53.18 (SHALES) TO STATION : 92+82.37
 SCALE : (NOT TO SCALE) SHEET : A9 of A10

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096

BY	DATE
BW	11-01
DJM	1-04
BW	7-04
KW	10-07
MADE	
CHECKED	
REVISED	
NOTEBOOK	
NO.	

Marchese and Sons, Inc.
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE, IL 60172
 PHONE : (630) 894-5660 FAX : (630) 894-8869

DETAIL SHEET FOR RECORD TOTAL HOLDINGS

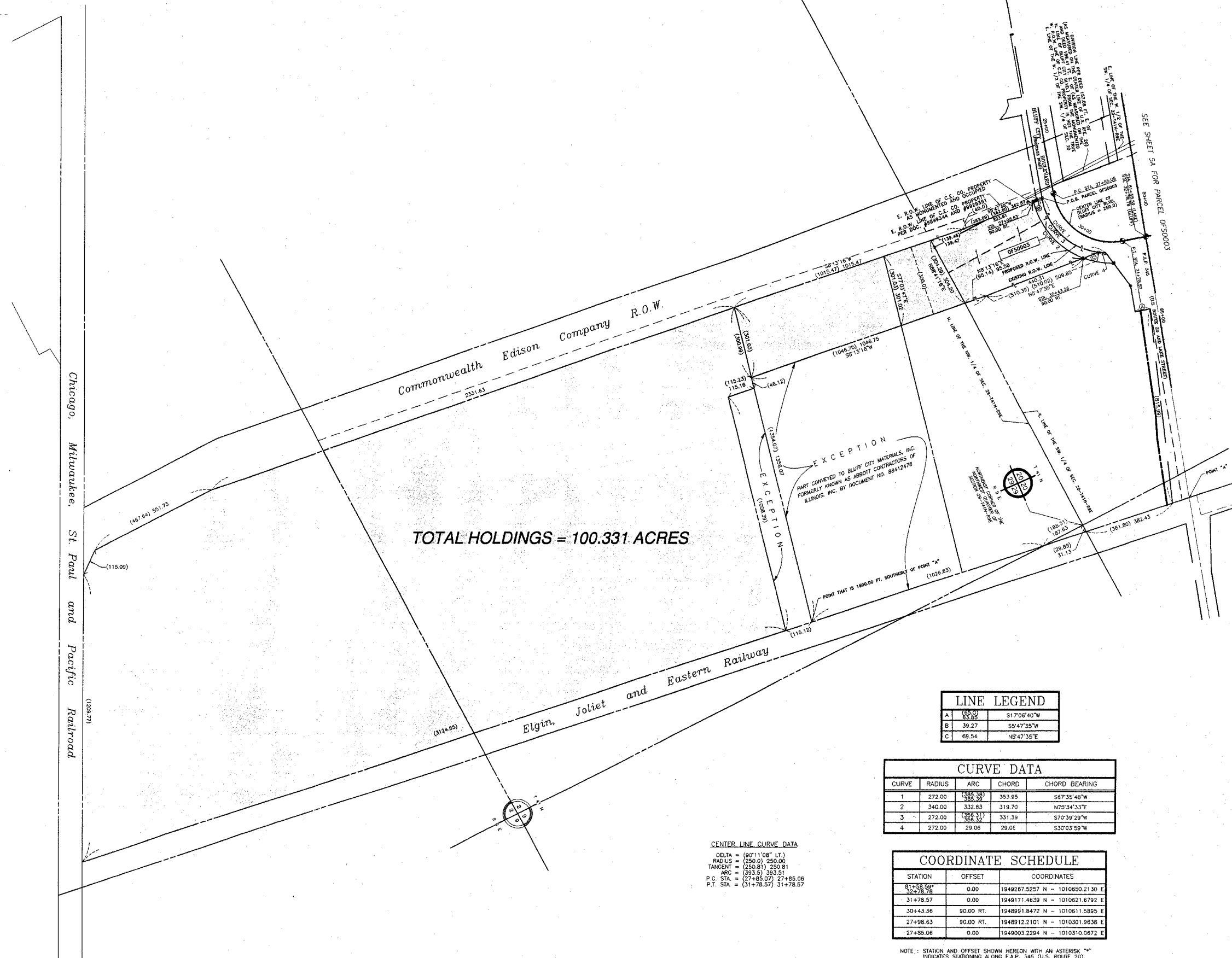
LEGEND

- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED EXCESS PARCEL LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORD DATA
- ▨ EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

NOTE: THE FOLLOWING TOTAL HOLDING BOUNDARY IS CALCULATED FROM AVAILABLE RECORDS AND TAX MAPS AND SHOULD BE VERIFIED BY A COMPLETE BOUNDARY SURVEY OF THE TOTAL PROPERTY SHOWN HEREON.

R.O.W. PLAT	DATE
MADE	06-07
REVISED	06-07
NOTEBOOK NO.	07-07

Marchese and Sons, Inc.
 NUMBER 184-02762
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE ILL. 60172
 PHONE : (630) 894-5680 FAX : (630) 894-8869



TOTAL HOLDINGS = 100.331 ACRES

LINE LEGEND

LINE	BEARING	LENGTH
A	S17°06'40"W	69.54
B	S5°47'35"W	39.27
C	N5°47'35"E	69.54

CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	272.00	132.39	353.95	S87°35'48"W
2	340.00	332.83	319.70	N79°34'33"E
3	272.00	132.39	331.39	S70°39'29"W
4	272.00	29.06	29.06	S30°03'59"W

COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
81+78.56*	0.00	1949267.5257 N - 1010690.2130 E
32+78.78	0.00	1949171.4639 N - 1010621.6792 E
31+78.57	0.00	1949171.4639 N - 1010621.6792 E
30+43.36	90.00 RT.	1948991.8472 N - 1010611.5895 E
27+98.63	90.00 RT.	1948912.2101 N - 1010301.9638 E
27+85.06	0.00	1949003.2294 N - 1010310.0872 E

CENTER LINE CURVE DATA
 DELTA = 90°11'08" LT.
 RADIUS = (250.0) 250.00
 TANGENT = (250.81) 250.81
 ARC = (383.5) 383.51
 P.C. STA. = (27+85.07) 27+85.06
 P.T. STA. = (31+78.57) 31+78.57

NOTE: STATION AND OFFSET SHOWN HEREON WITH AN ASTERISK "*" INDICATES STATIONING ALONG F.A.P. 345 (U.S. ROUTE 20).

SCANNED

STATE OF ILLINOIS
 COUNTY OF DUPAGE

S.S.
 THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS LICENSED PROFESSIONAL LAND SURVEYOR, HAVE PREPARED THIS EXHIBIT OF THE LAND SHOWN HEREON AND THAT THIS PLAT WAS PREPARED FROM AVAILABLE DEED RECORDS AND TAX MAPS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

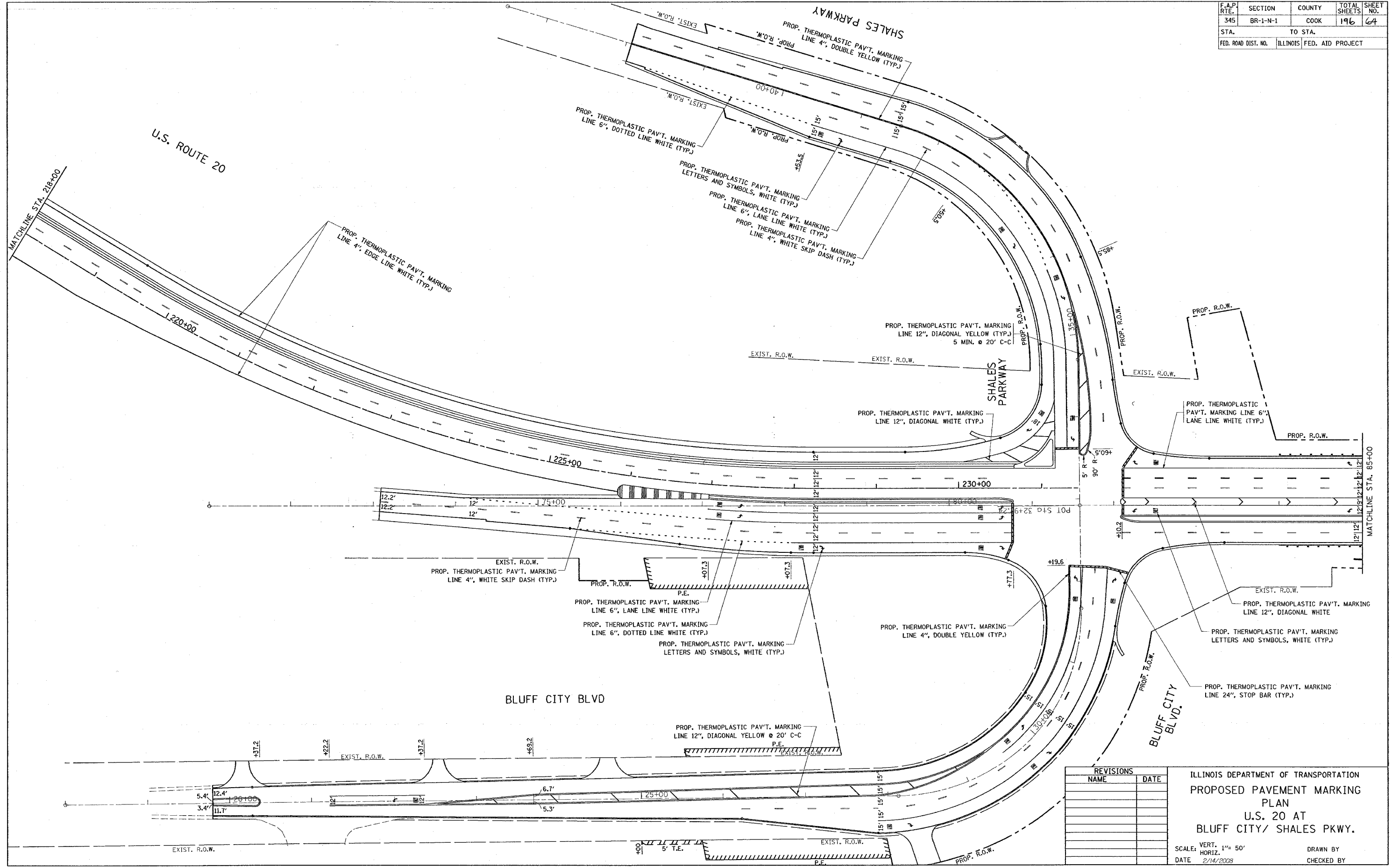
DATED AT ROSELLE, ILLINOIS, THIS 1st DAY OF JUNE, 2008
 DOMINIC J. MARCHESE
 ILLINOIS LICENSED PROFESSIONAL LAND SURVEYOR
 MY CURRENT LICENSE EXPIRES ON NOVEMBER 30, 2009

TOTAL HOLDINGS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 345 (US 20)

SECTION :
 PROJECT :
 STATION : 27+85.06 TO STATION : 32+78.78
 SCALE : 1 INCH = 200 FEET SHEET : 10A OF 10A

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	64
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 2/14/2008
 FILE NAME = C:\Users\j13783\My Documents\drive\design
 PLOT SCALE = 5/8"=1'-0"
 USER NAME = drive\design

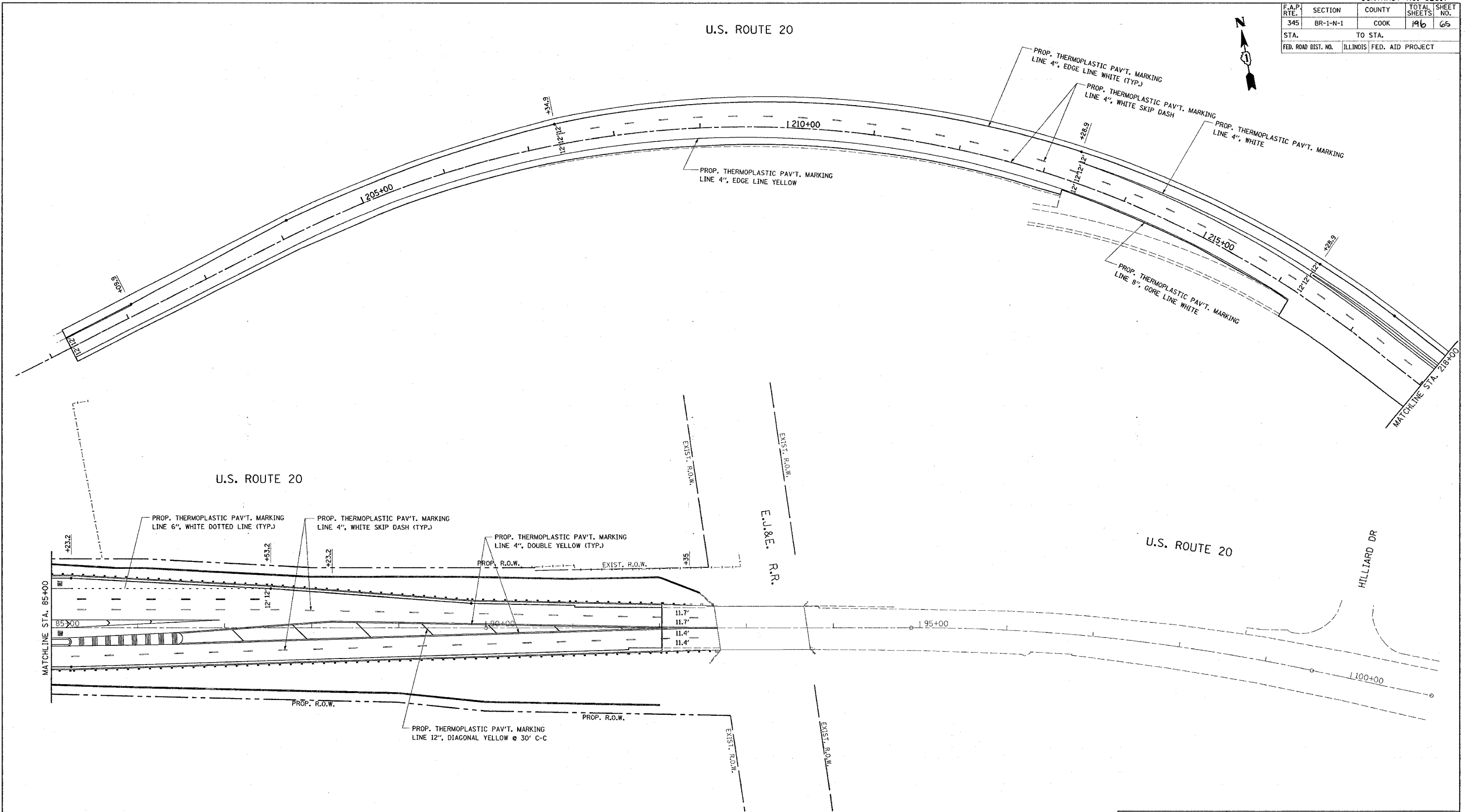
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED PAVEMENT MARKING
 PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALESS PKWY.

SCALE: VERT. 1"= 50'
 HORIZ. 1"= 50'
 DATE 2/14/2008

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	65
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MATCHLINE STA. 85+00

HILLIARD DR

E.J. & E. R.R.

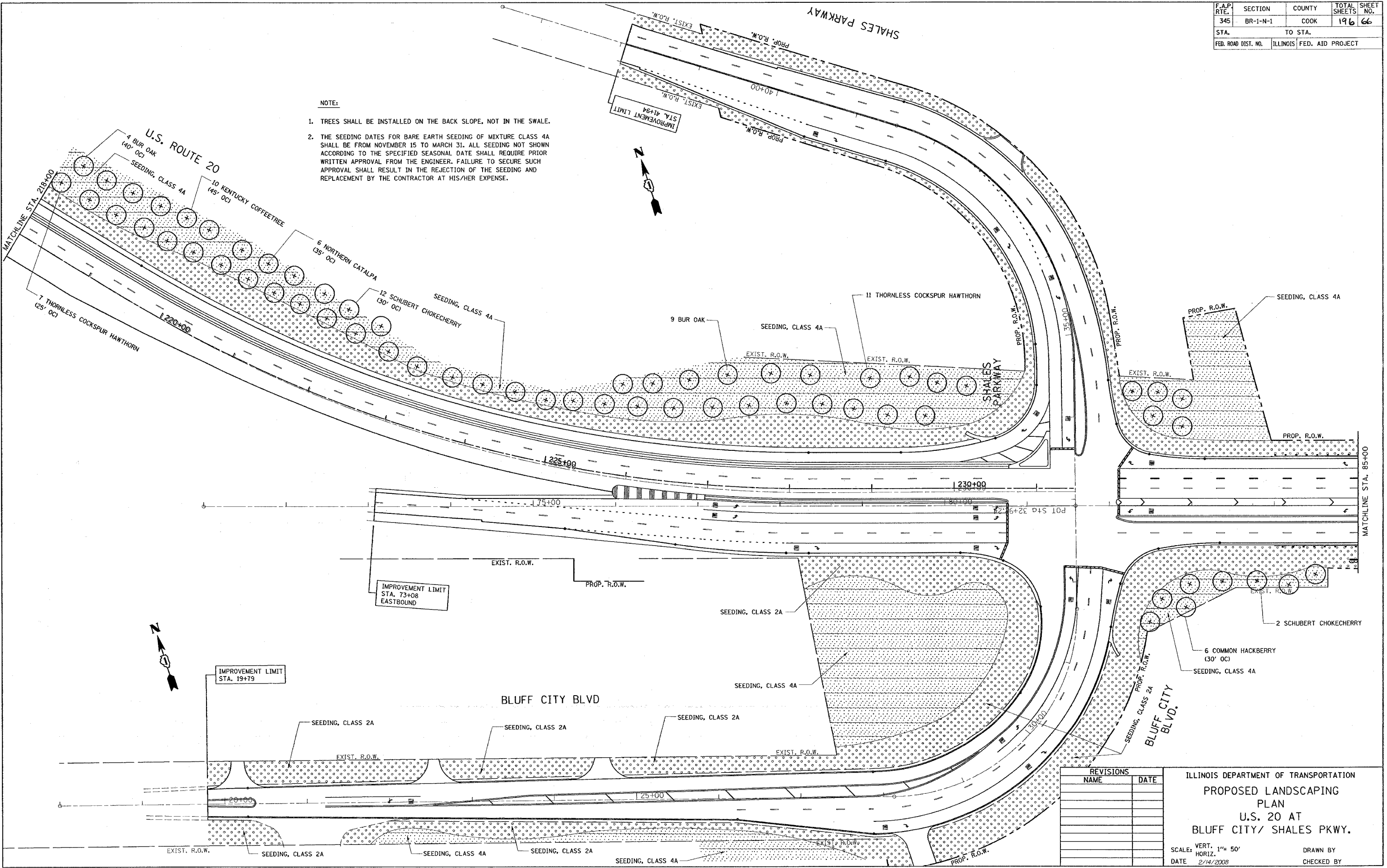
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED PAVEMENT MARKING PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.
 SCALE: VERT. 1" = 50'
 HORIZ. DATE 2/14/2008
 DRAWN BY
 CHECKED BY

PLOT DATE = 2/14/2008
 FILE NAME = c:\pavement\113783\sh_pmk.dgn
 PLOT SCALE = 50.0000 / 1.00
 USER NAME = drivekogn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	66
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- NOTE:
- TREES SHALL BE INSTALLED ON THE BACK SLOPE, NOT IN THE SWALE.
 - THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A SHALL BE FROM NOVEMBER 15 TO MARCH 31. ALL SEEDING NOT SHOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.

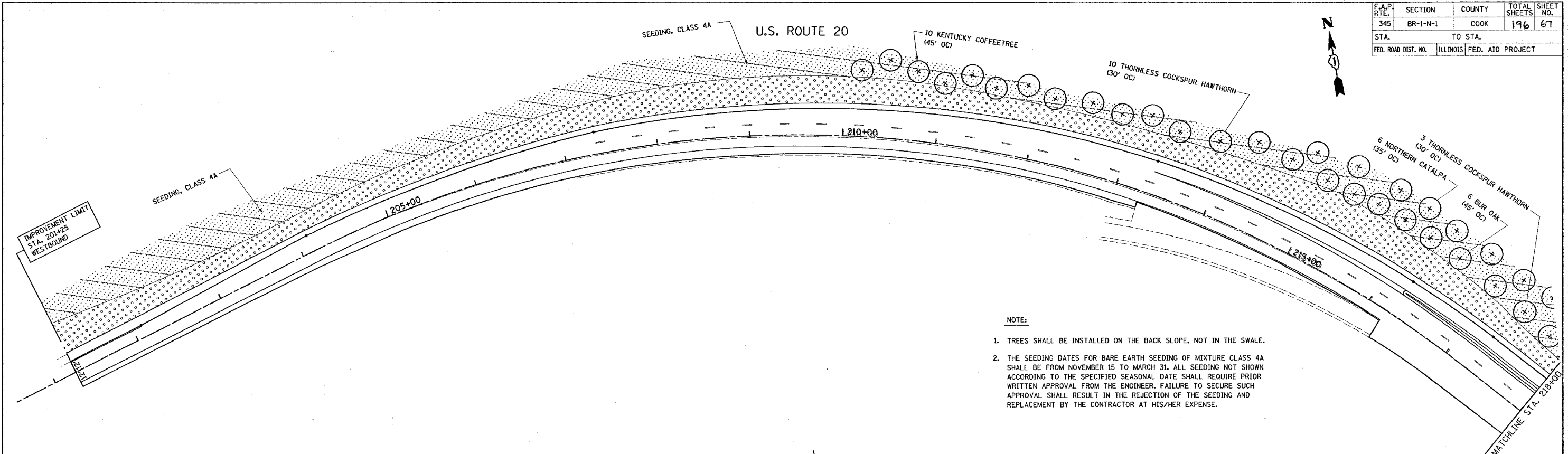


PLOT DATE = 2/14/2008
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 USER NAME = drvakosgn

REVISIONS	
NAME	DATE

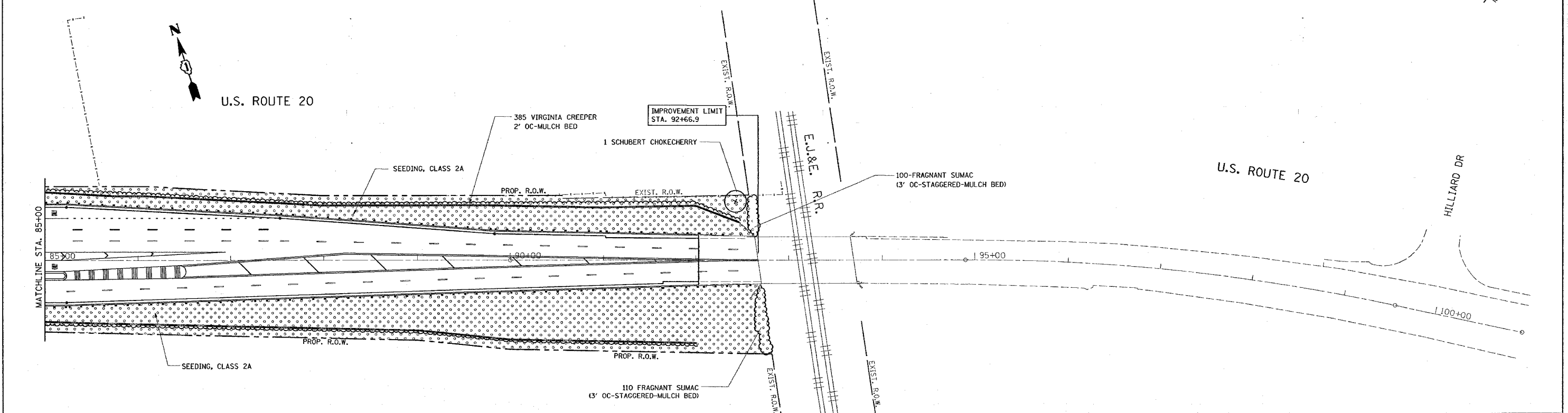
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED LANDSCAPING
 PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.
 SCALE: VERT. 1"= 50'
 HORIZ. DATE 2/14/2008
 DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	67
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE:

1. TREES SHALL BE INSTALLED ON THE BACK SLOPE, NOT IN THE SWALE.
2. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A SHALL BE FROM NOVEMBER 15 TO MARCH 31. ALL SEEDING NOT SHOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.

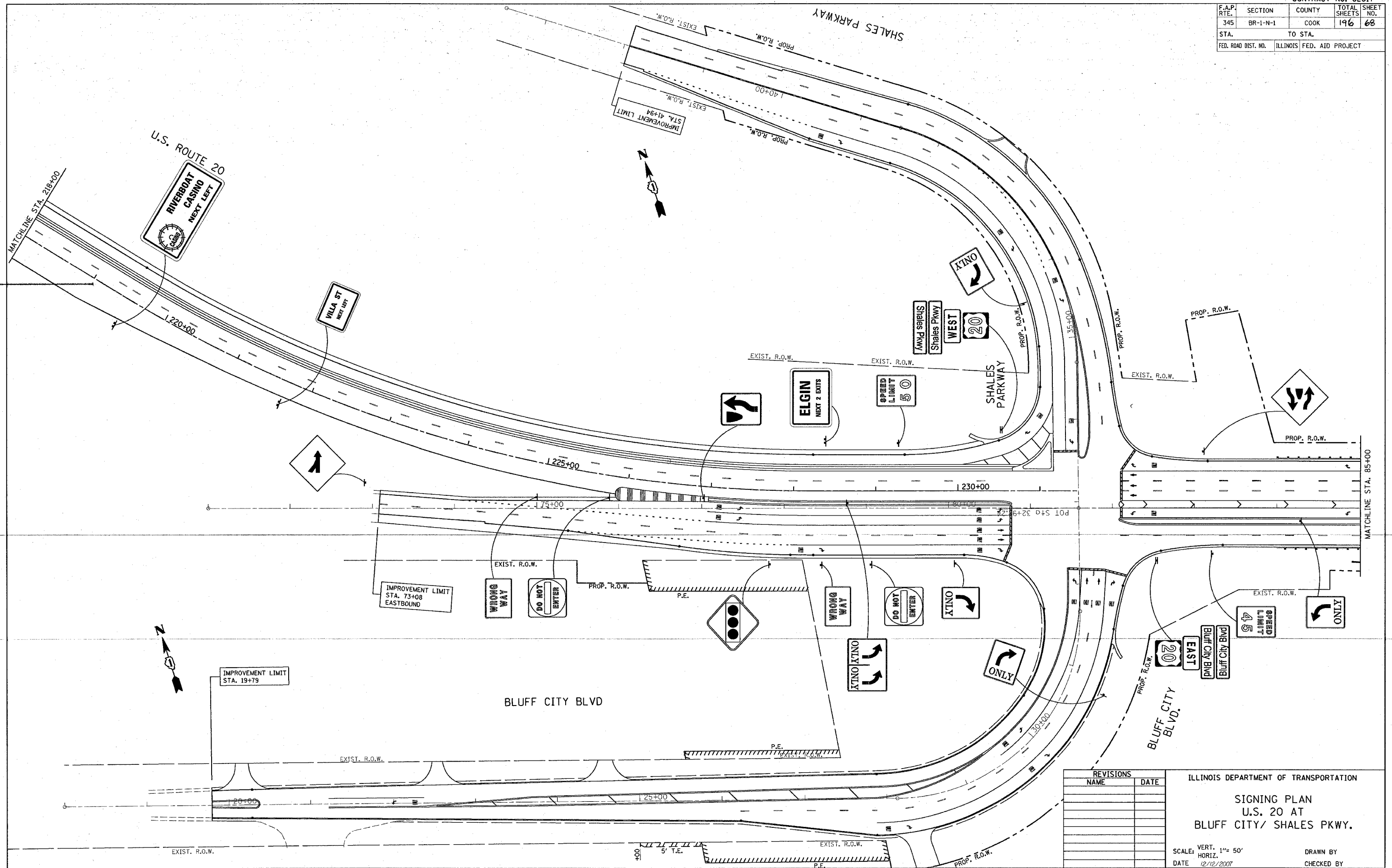


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED LANDSCAPING PLAN
U.S. 20 AT
BLUFF CITY/ SHALES PKWY.
 SCALE: VERT. 1" = 50'
 HORIZ. 1" = 50'
 DATE 2/14/2008
 DRAWN BY
 CHECKED BY

PLOT DATE = 2/14/2008
 PLOT NAME = d:\113783\sh_landscape.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = drvlksgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	68
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



REVISIONS	
NAME	DATE

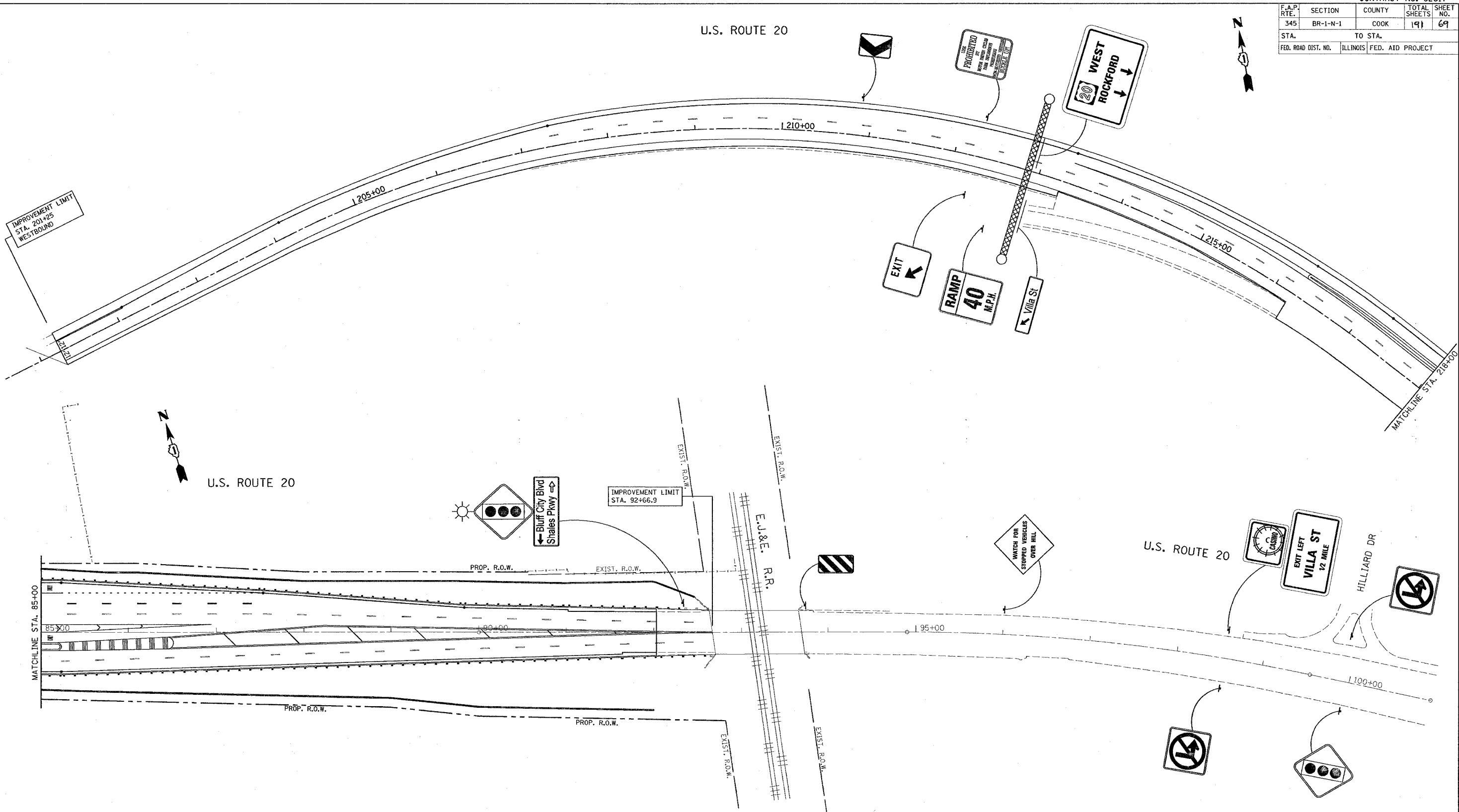
ILLINOIS DEPARTMENT OF TRANSPORTATION
 SIGNING PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

SCALE: VERT. 1"= 50'
 HORIZ. 1"= 50'
 DATE 12/12/2007
 DRAWN BY
 CHECKED BY

PLOT DATE = 12/12/2007
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 PLOT SCALE = 50.000000 / IN.
 USER NAME = bauerdl

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	191	69
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

U.S. ROUTE 20



U.S. ROUTE 20

PLOT DATE = 12/1/2007
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 USER NAME = bbeard

REVISIONS	
NAME	DATE

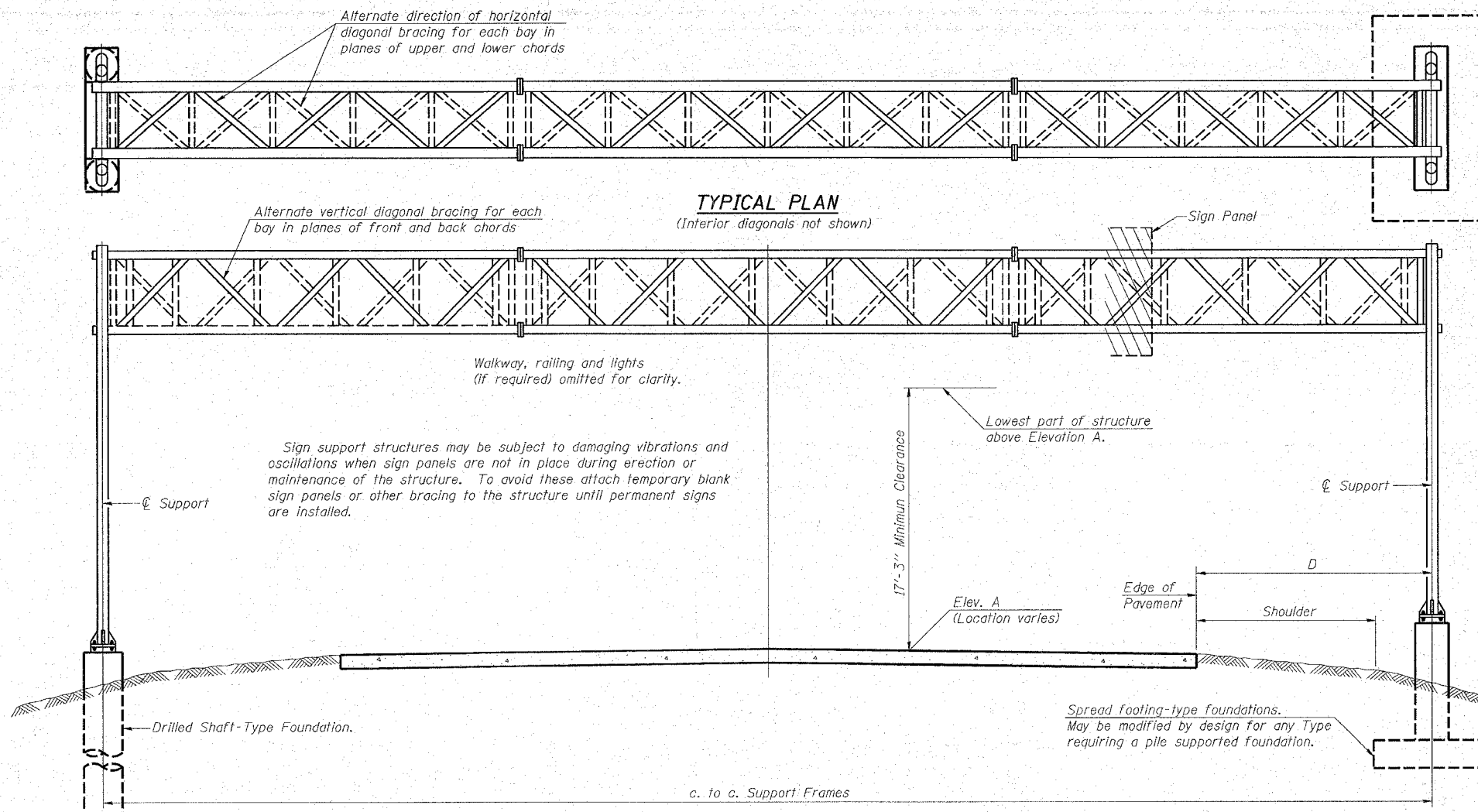
ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
 U.S. 20 AT
 BLUFF CITY/ SHALES PKWY.

SCALE: VERT. 1"= 50'
 HORIZ. 1"= 100'
 DATE 12/1/2007

DRAWN BY
 CHECKED BY

F.A.P. RTG.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	70
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62617				



GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to AASHTO M314 Gr. 36 or 55 with a minimum Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

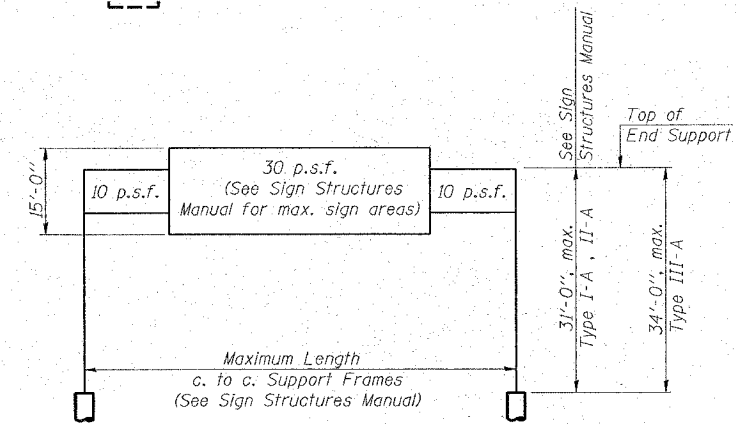
* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

TYPICAL ELEVATION
(Looking at Face of Signs)**

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports (FT.)	Elev. A	Dim. D (FT.)	Height of Tallest Sign (FT.)	Total Sign Area (SQ. FT.)
ISO16U020L000.0	217+75	II-A	105	774.555		11.0	352.0
				LEFT	20.0		
				RIGHT	13.0		

**Looking upstation for structures with signs both sides.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TOTAL BILL OF MATERIAL

NUMBER	REVISION	DATE

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	106.00
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	46.00
CONCRETE FOUNDATIONS	Cu. Yds.	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	21.47

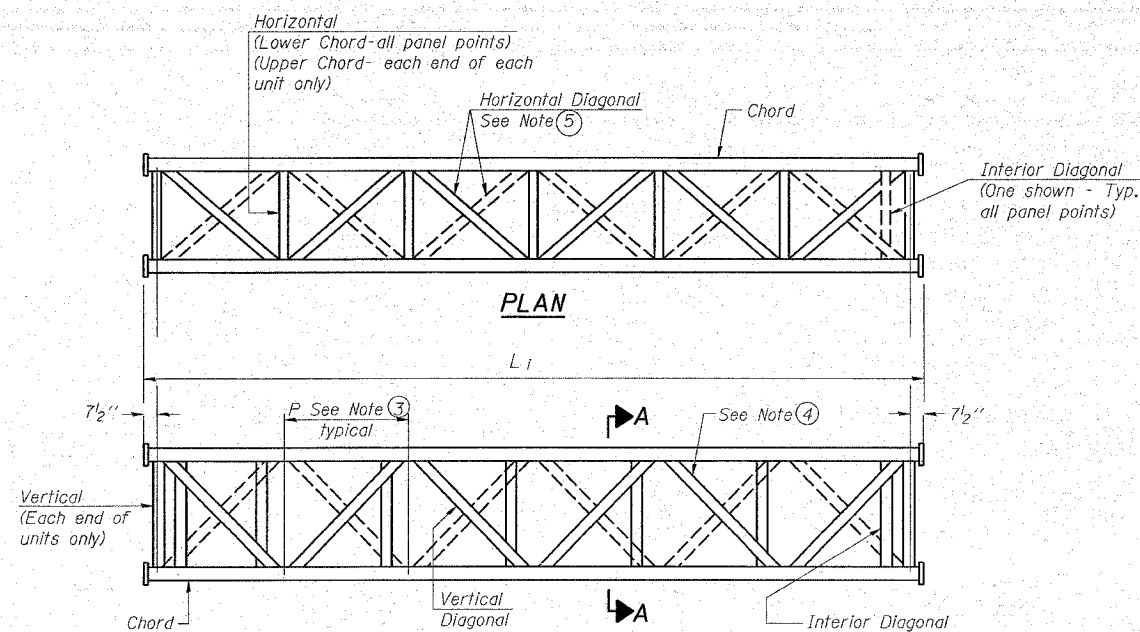
**OVERHEAD SIGN STRUCTURES
GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL SUPPORTS**

US.20 AT SHALES PKWY.

SCALE: VERT. N.T.S.
HORIZ. N.T.S.
DATE: 2/20/2008

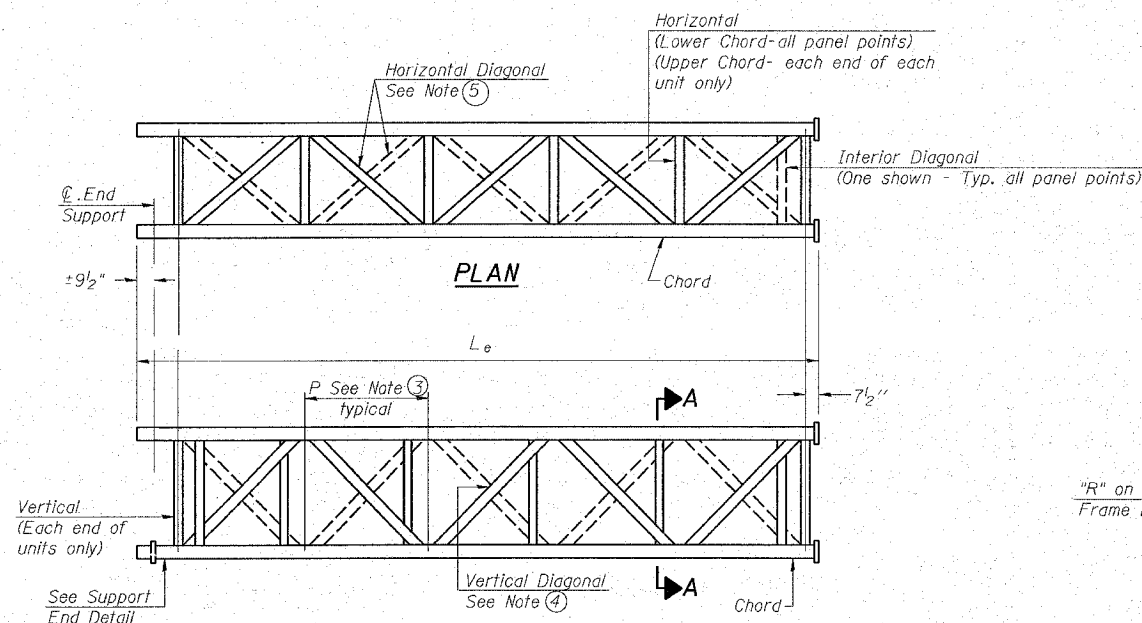
DRAWN BY: JSN
DESIGNED BY: JSN
CHECKED BY: JAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	10A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62617				



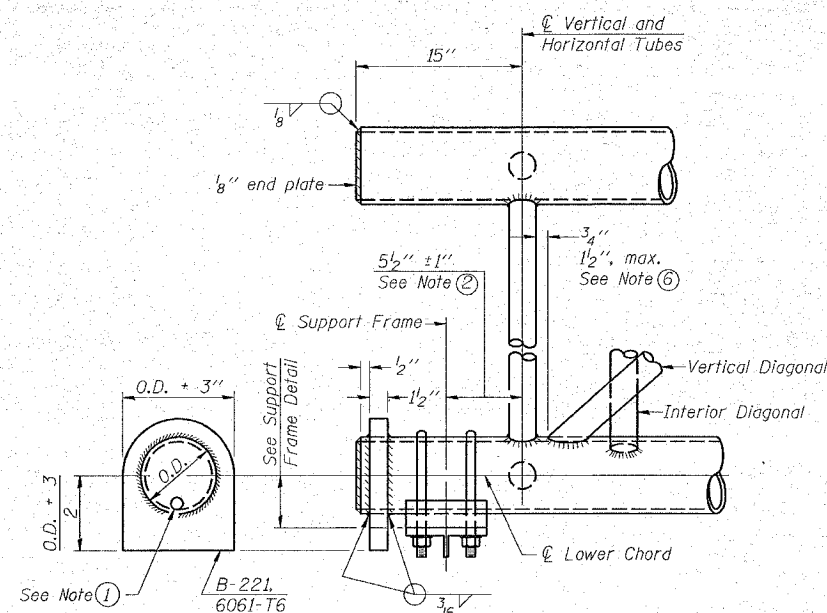
**ELEVATION
TYPICAL INTERIOR UNIT**

Even number of panels/interior unit required.

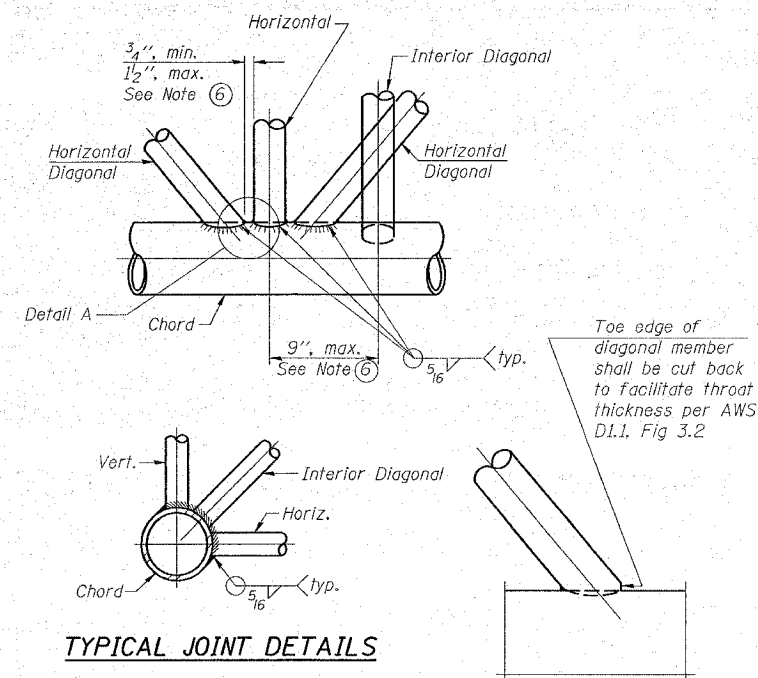


**ELEVATION
TYPICAL EXTERIOR UNIT**

Even or odd number of panels/exterior units allowed.



SUPPORT END DETAIL FOR EXTERIOR UNIT

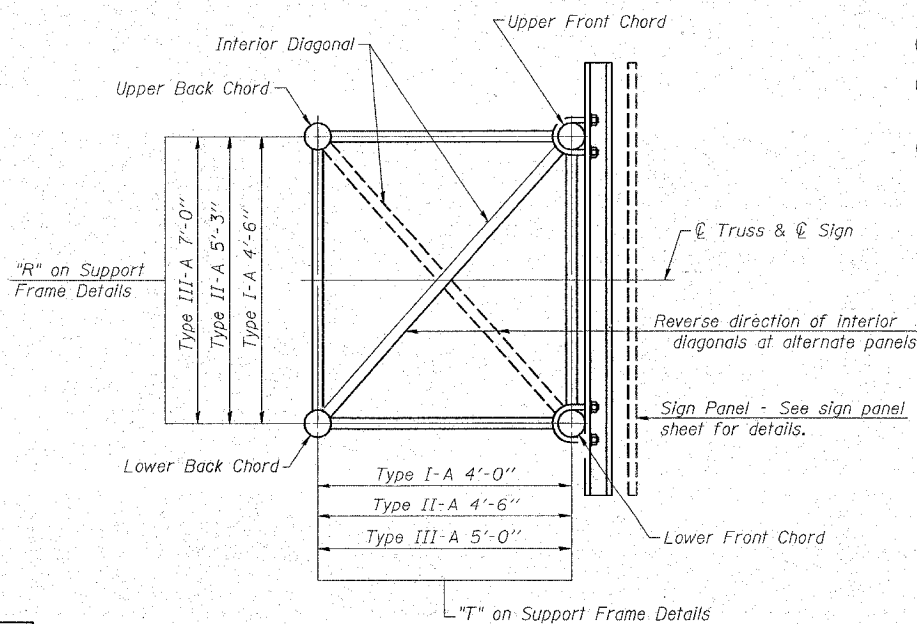


TYPICAL JOINT DETAILS

DETAIL A

NOTES

- Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" diameter drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- 5 1/2" end dimension may vary by +/- 1" to provide uniform panel spacing (P).
- Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- Vertical Diagonals in front and back face shall alternate.
- Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.



SECTION A-A

**OVERHEAD SIGN STRUCTURES
ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A AND III-A**

US.20 AT SHALES PKWY.

NUMBER	REVISION	DATE

OS-A-2

6/01/2007

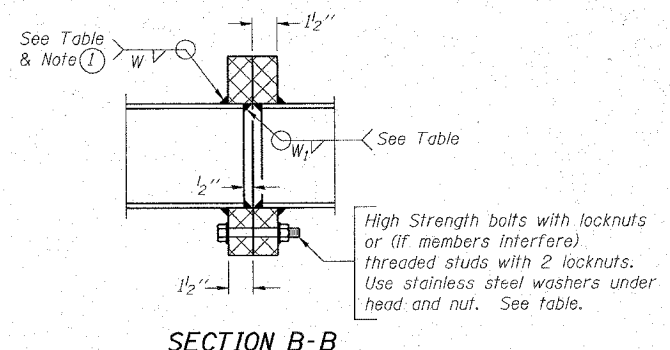
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HORIZ. N.T.S.
DATE: 2/20/2008

DRAWN BY: JSN
DESIGNED BY: JSN
CHECKED BY: JAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	71
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62617				

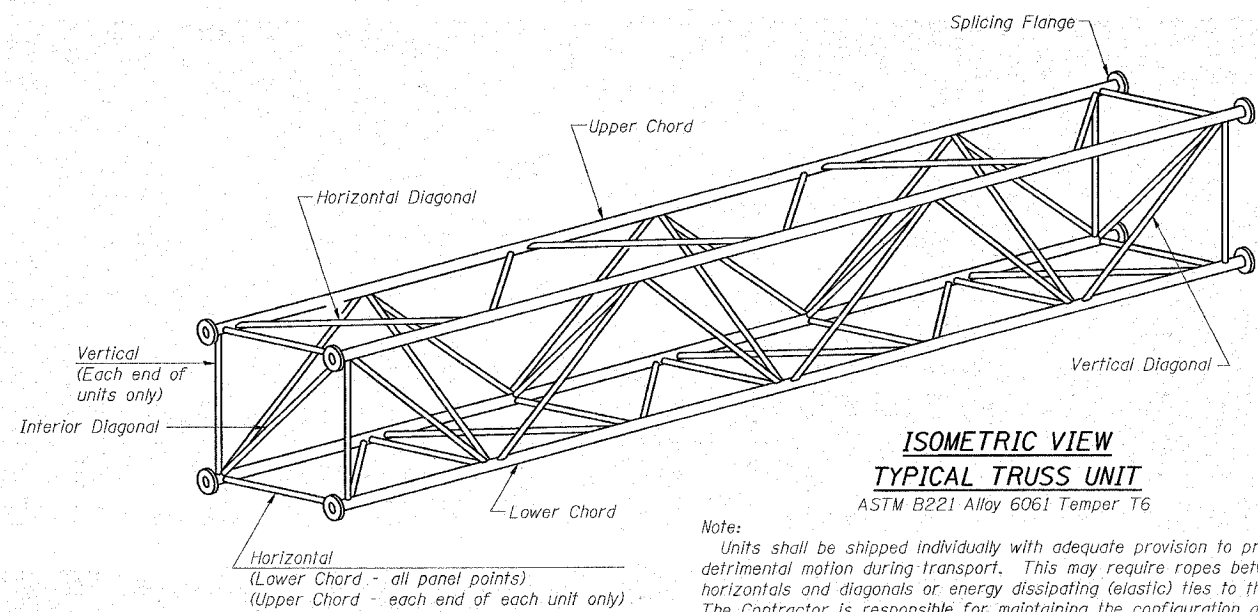
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical Horizontal, and Interior Diagonals		Camber of Midspan (In.)	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L _u)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i)	Panel Lgth.(P)	O.D. (In.)	Wall (In.)	O.D. (In.)	Wall (In.)		Bolts		Weld Sizes		A (In.)	B (In.)
															No./Splice	Dia. (In.)	W (In.)	W _i (In.)		
ISO16U02OL000.0	217+75	II-A	7	37'-5 1/2"	5'-1"	1	6	34'-9"	5'-1"	6 1/2	5/16	3.0	5/16	3.4	6	1.0	3/8	1/4	11.0	14 1/2

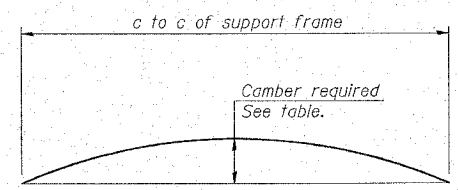


SECTION B-B

① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



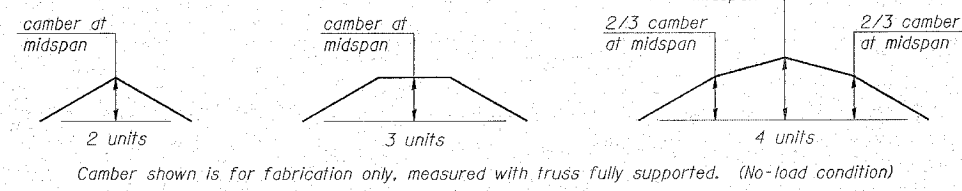
Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



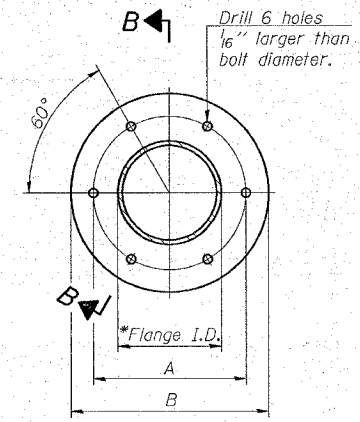
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

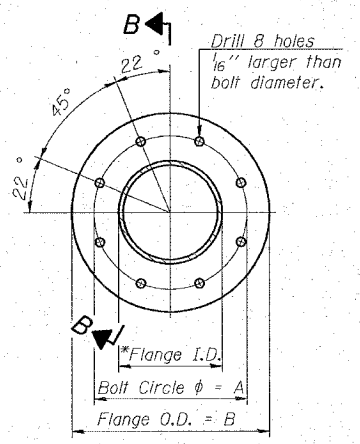
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 *To fit O.D. of Chord with maximum gap of 1/16\"/>

NUMBER	REVISION	DATE

**OVERHEAD SIGN STRUCTURES
ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A AND III-A**

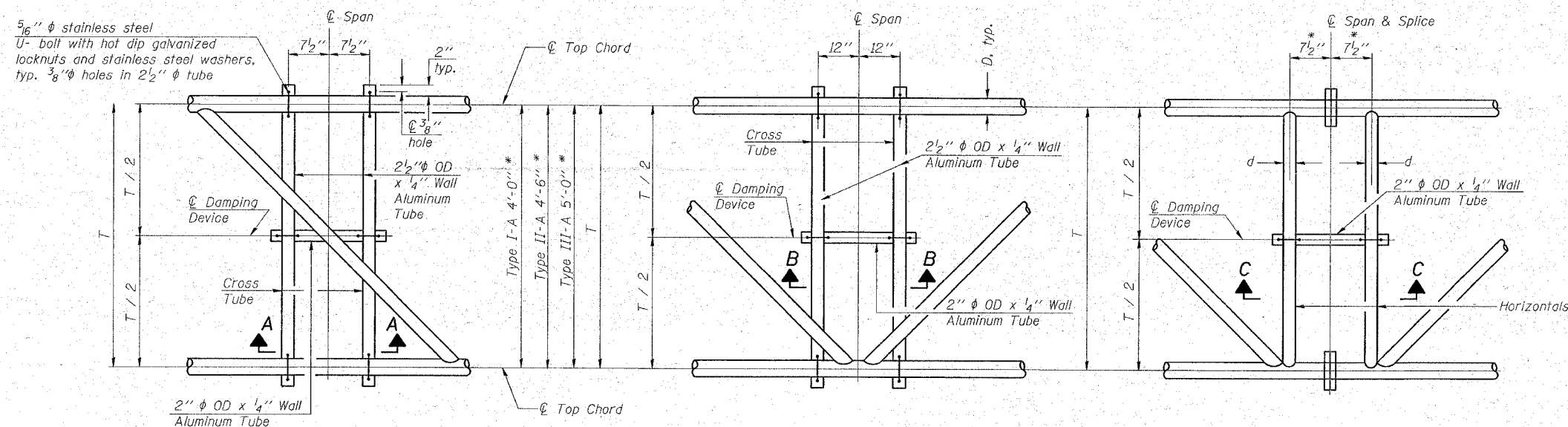
US.20 AT SHALES PKWY.

SCALE: VERT. N.T.S.
HORIZ. N.T.S.
DATE: 2/20/2008

DRAWN BY :SN
DESIGNED BY :SN
CHECKED BY :DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	71A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62617				

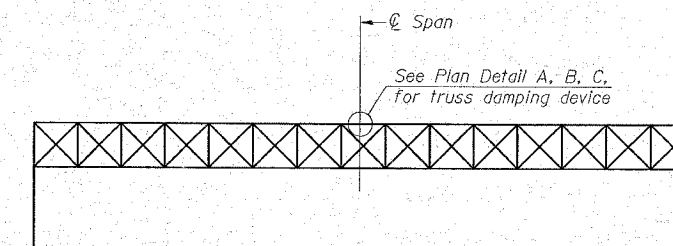
* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.



PLAN DETAIL "A"
Span between Panel Points

PLAN DETAIL "B"
Span at Panel Point

PLAN DETAIL "C"
Span at Chord Splice

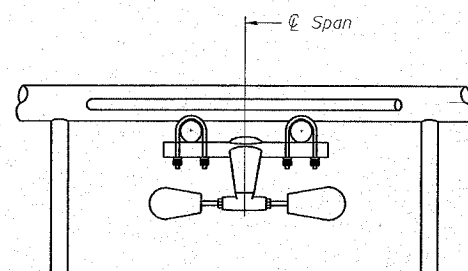


ELEVATION
Aluminum Overhead Sign Truss

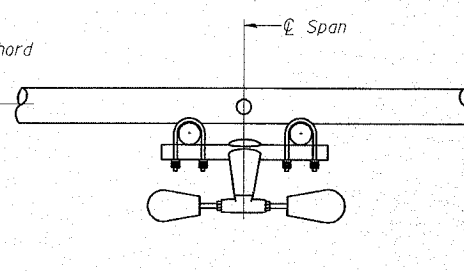
NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

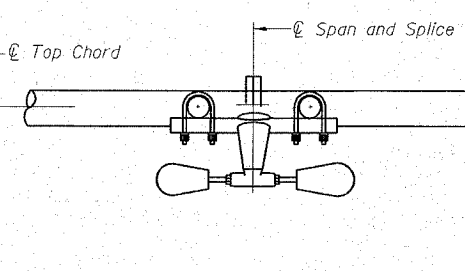
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



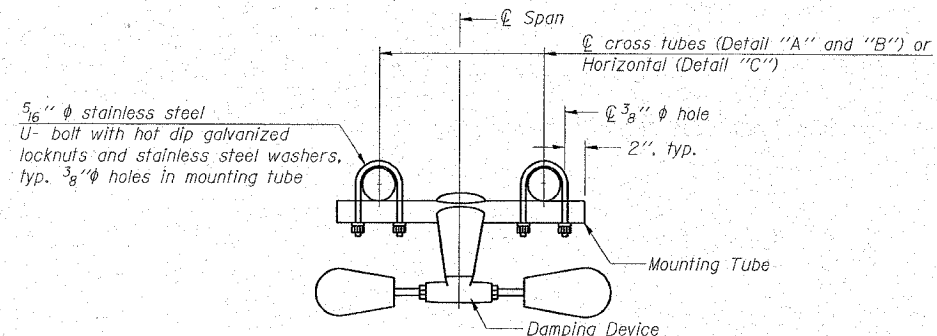
SECTION A-A



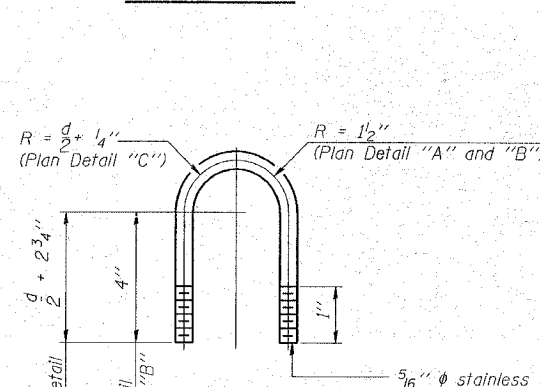
SECTION B-B



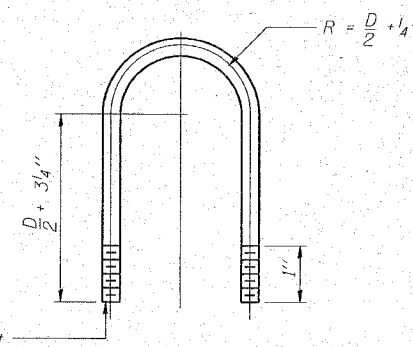
SECTION C-C



TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")

OVERHEAD SIGN STRUCTURE DAMPING DEVICE

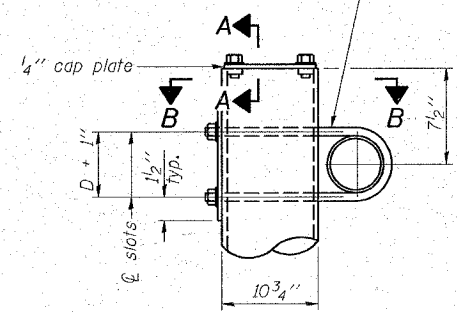
US.20 AT SHALES PKWY.

OS-A-D

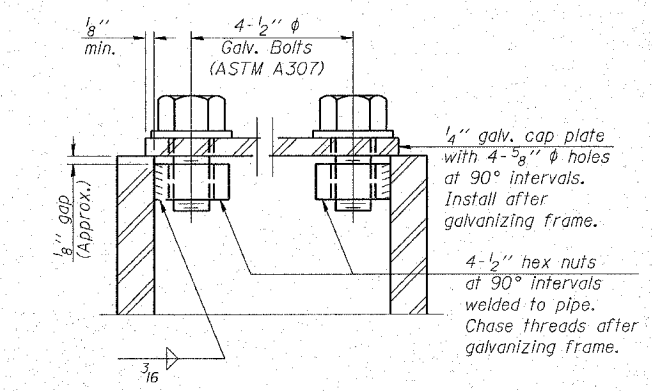
6/01/2007

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62617				

$\frac{3}{4}$ " ϕ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
 $\frac{13}{16}$ " x 2" slots on ϕ 10" ϕ pipe.
(4 slots required per pipe)

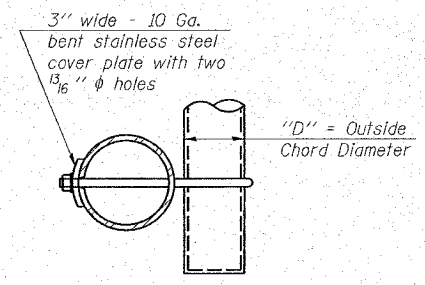


DETAIL A

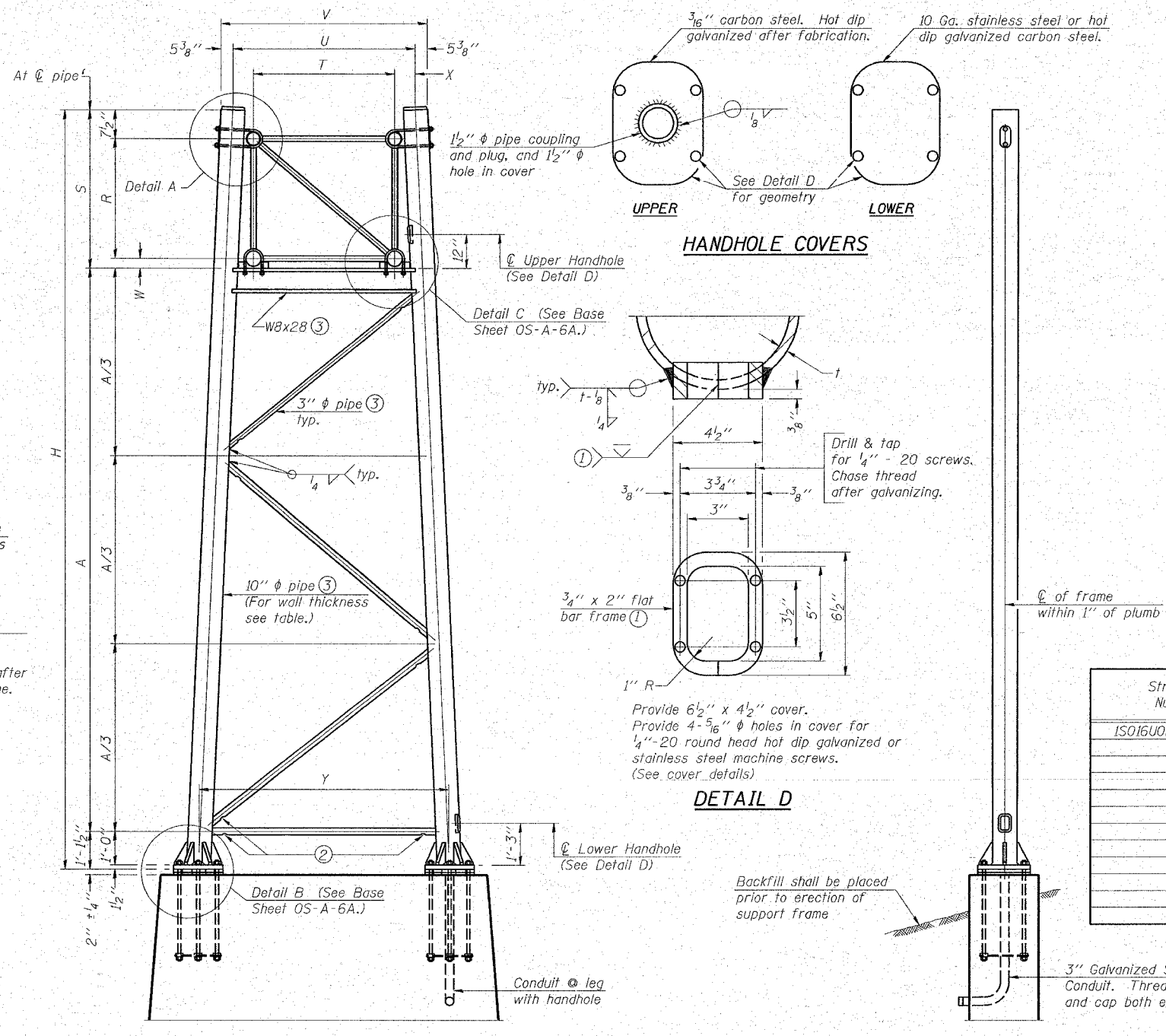


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

END ELEVATION

10" ϕ PIPE TRUSS SUPPORT FRAME

NUMBER	REVISION	DATE

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 $\frac{1}{2}$ "	4'-0"	5'-6"	6'-4 $\frac{3}{4}$ "	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3 $\frac{1}{4}$ "	4'-6"	6'-1"	6'-11 $\frac{3}{4}$ "	4 $\frac{3}{4}$ "	9 $\frac{1}{2}$ "	8'-3"

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 min or less.
- Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- See General Notes for fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- "H" based on 15'-0" or actual sign height, whichever is greater.

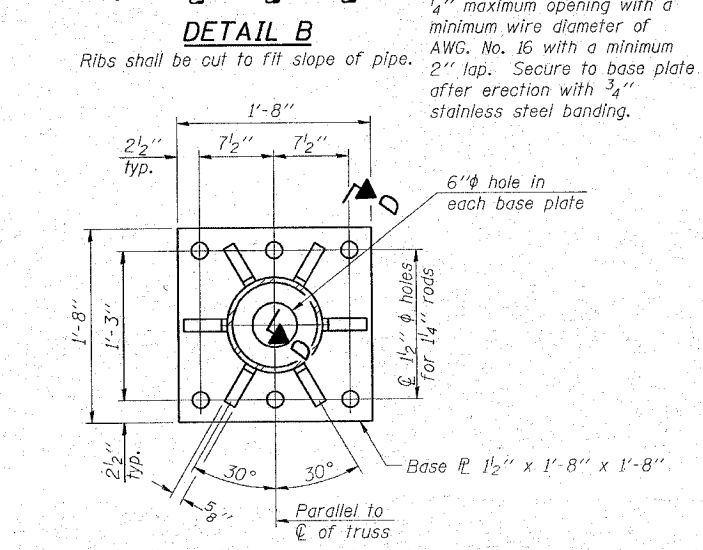
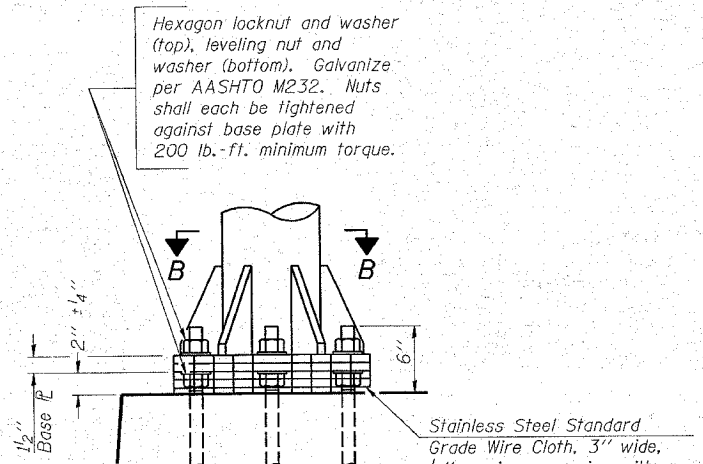
Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (FT.) (6)	A (FT.)
		Left	Right				
ISO16U020L000.0	217+75	X	X			26.98	19.584
						28.98	21.584

**OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS**

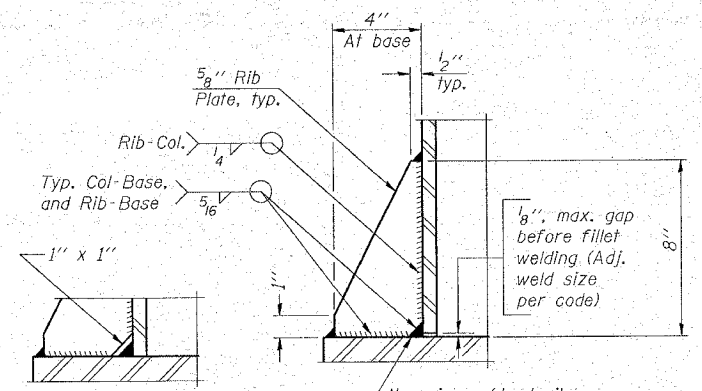
US.20 AT SHALES PKWY.

SCALE: VERT. N.T.S.
DATE: 2/20/2008

DRAWN BY: JSN
DESIGNED BY: JSN
CHECKED BY: DAD

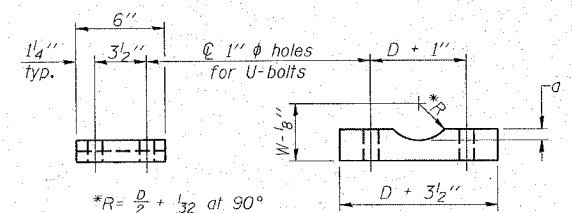


SECTION B-B



SECTION D-D

** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

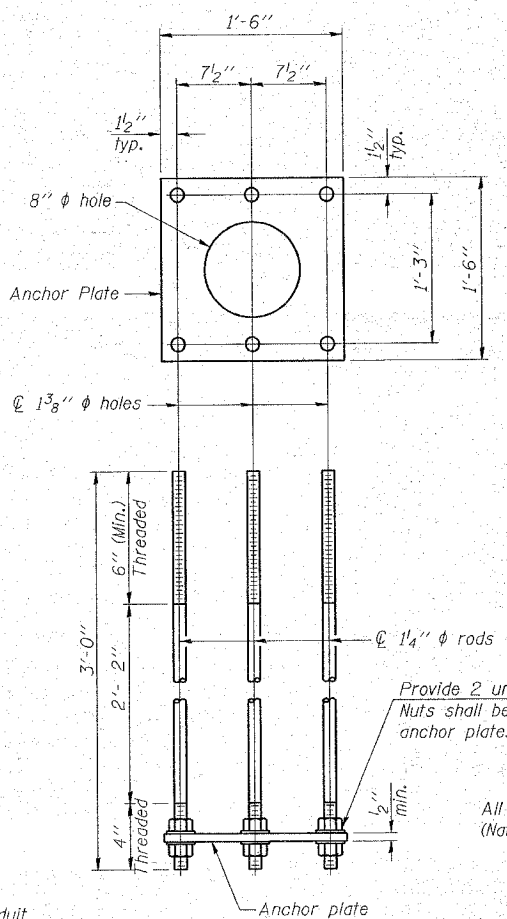


D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

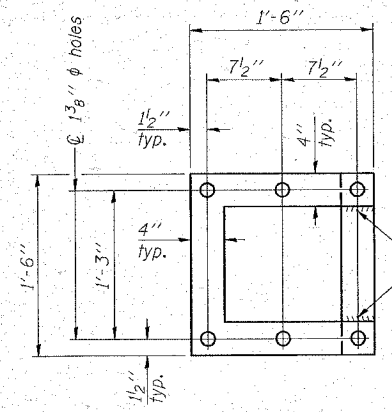
SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

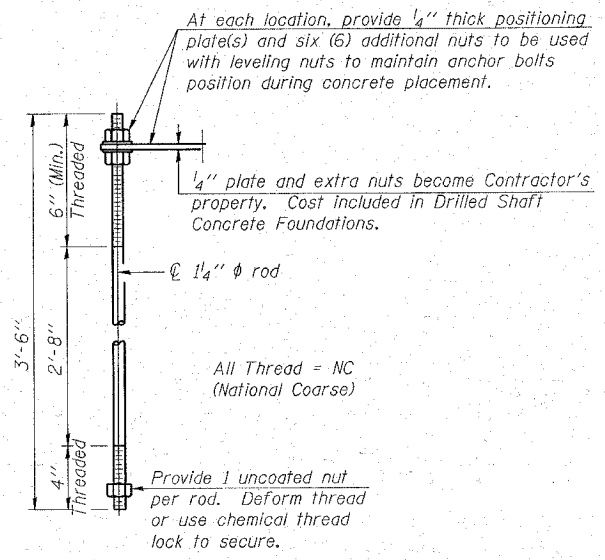
Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"



ANCHOR ROD DETAIL
Spread Footing Foundation



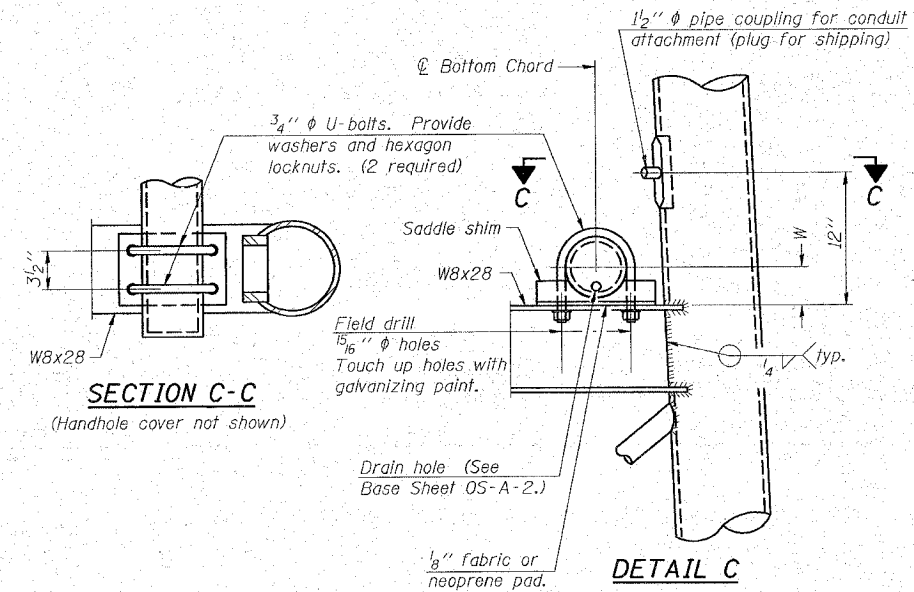
POSITIONING PLATE(S)



ANCHOR ROD DETAIL
Drilled Shaft Foundation

Anchor rods shall conform to AASHTO M314 Grade 36 or 50 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. Galvanize upper 12" per AASHTO M232. No welding shall be permitted on rods.

NUMBER	REVISION	DATE



SECTION C-C
(Handhole cover not shown)

DETAIL C

10" Ø PIPE SUPPORT FRAME DETAILS

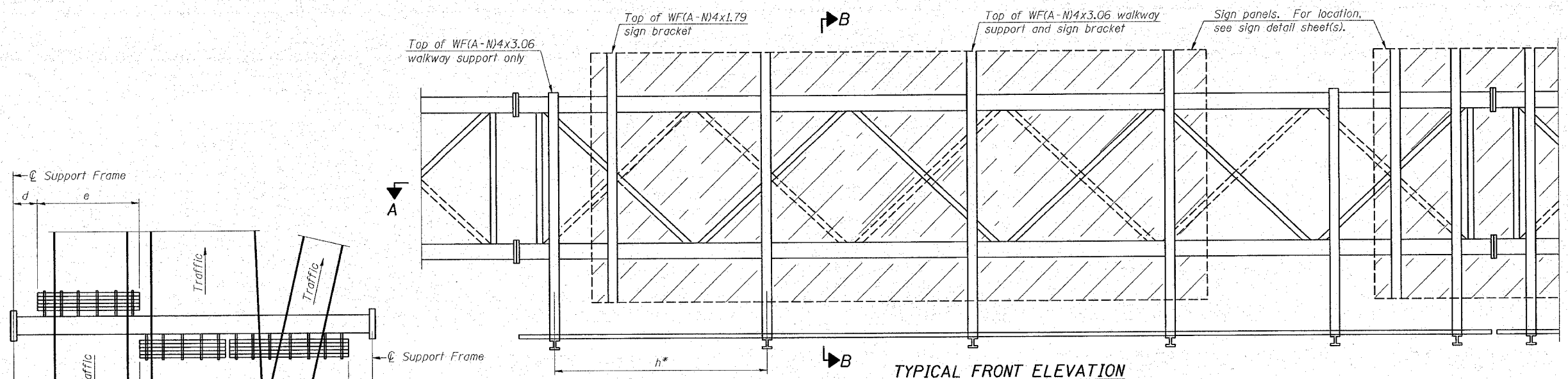
**OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS ALUMINUM TRUSS**

US.20 AT SHALES PKWY.

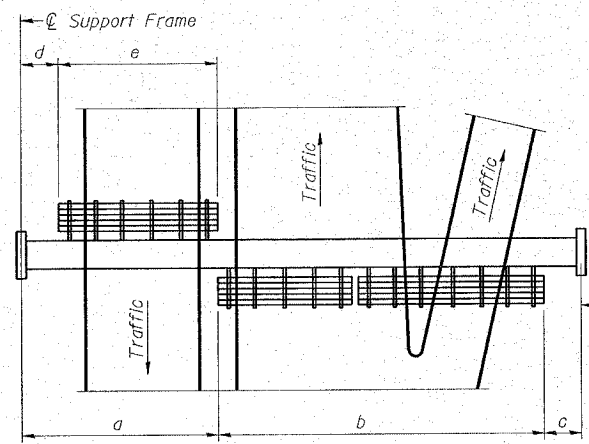
SCALE: VERT. N.T.S.
HORIZ.
DATE: 2/20/2008

DRAWN BY :SN
DESIGNED BY :SN
CHECKED BY :DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	75
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62617				



TYPICAL FRONT ELEVATION
 With lights and handrail omitted for clarity.
 For Section B-B, see Base Sheet OS-A-10.

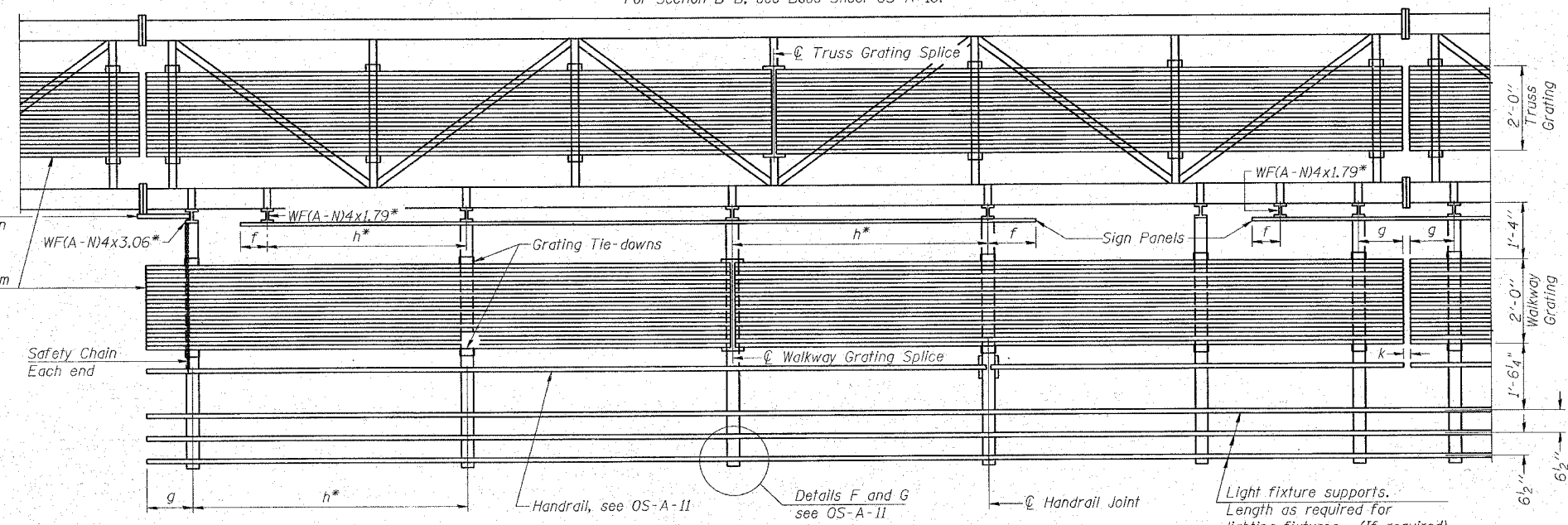


PLAN WALKWAY AND HANDRAIL SKETCH
 (Road plan beneath truss varies)

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

** Alternate angle for safety chain attachment
 Standard Aluminum Grating, see Details T and W



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints. Place all sign and walkway brackets as close to panel points as practical. Handrail joints, grating, and light support splices placed as needed.

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

- Notes:
- * Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:
 - f = 12" maximum, 4" minimum (End of sign to ϕ of nearest bracket)
 - g = 12" maximum, 4" minimum (End of walkway grating to ϕ of nearest support bracket)
 - h = 6'-0" maximum (ϕ to ϕ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
 - k = 2" maximum gap between adjacent walkway grating sections and handrail ends
 - ** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.
- For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10.
 For Handrail Details see Base Sheet OS-A-11.

Structure Number	Station	a (FT.)	b (FT.)	c (FT.)	d (FT.)	e (FT.)	Walkway Grating and Handrail Lengths (FT.)
IS016U020L000.0	217+75	17	46	42			46

NUMBER	REVISION	DATE

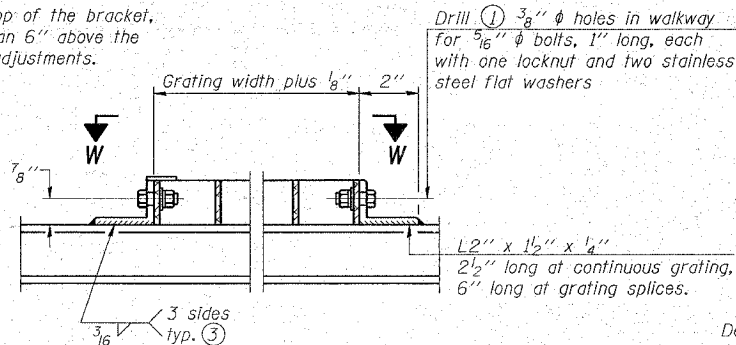
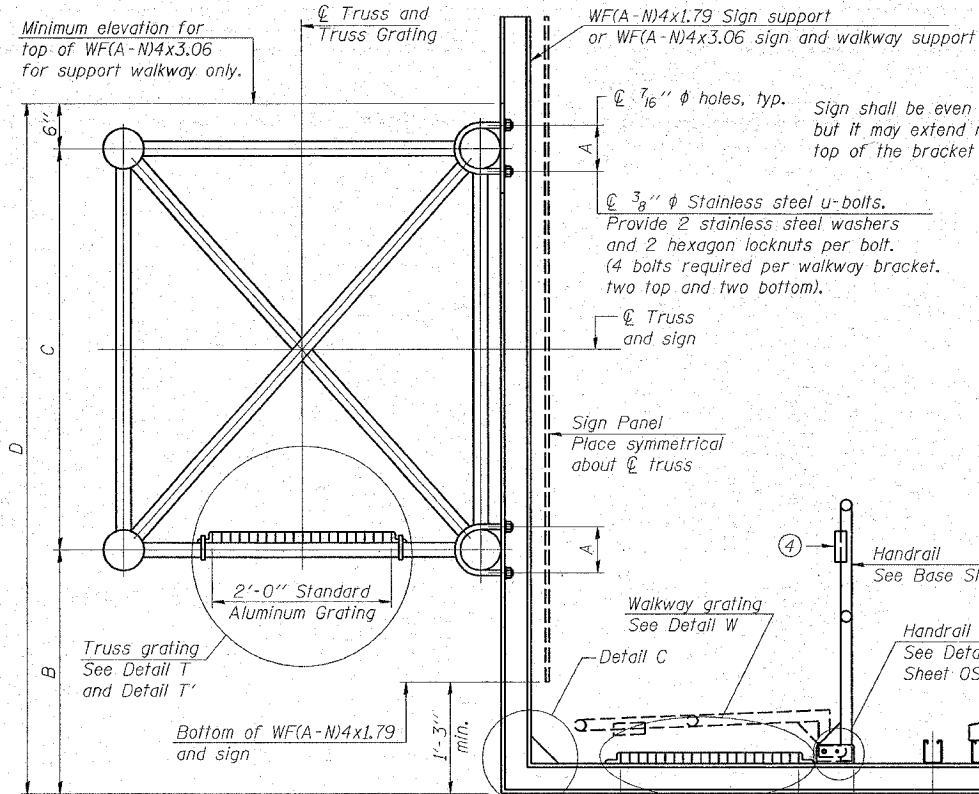
**OVERHEAD SIGN STRUCTURES
 ALUMINUM WALKWAY DETAILS**

US.20 AT SHALES PKWY.

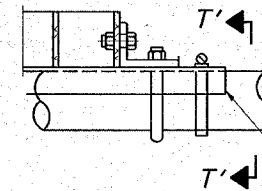
SCALE: VERT. N.T.S.
 HORIZ. N.T.S.
 DATE: 2/20/2008

DRAWN BY: JSN
 DESIGNED BY: JSN
 CHECKED BY: JAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	73A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62617				

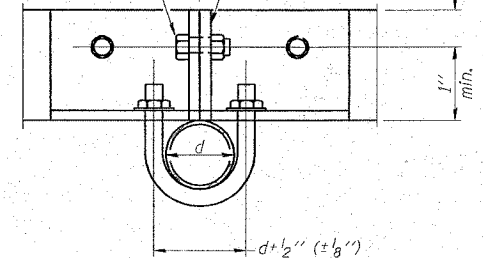


DETAIL W
(Walkway grating)

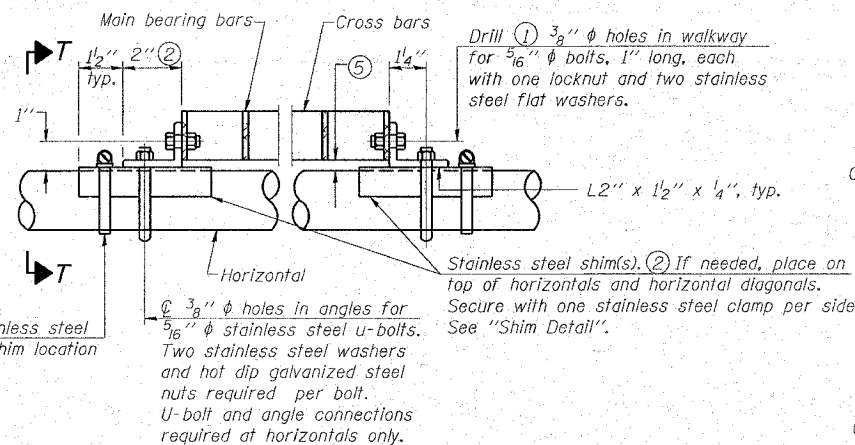


DETAIL T'

(Truss grating splice)
Details not shown same as Detail T.
Alternate materials may be used subject to the Engineer's review and approval.

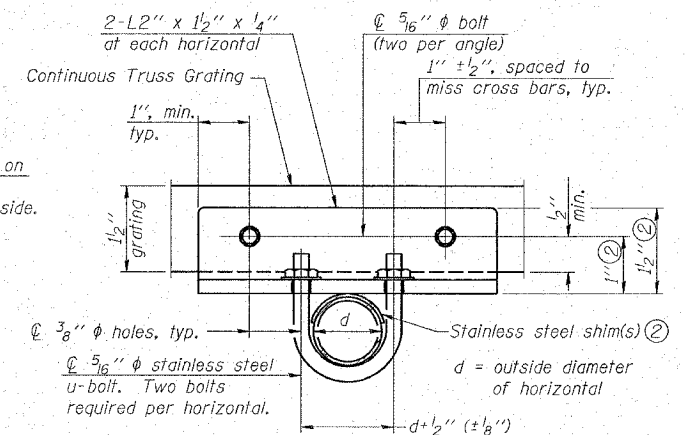


SECTION T'-T'

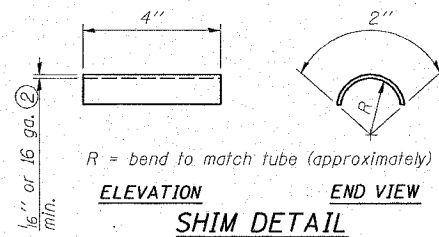


DETAIL T

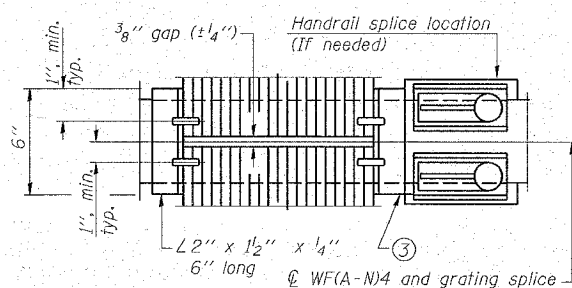
(Continuous Truss grating)



SECTION T-T

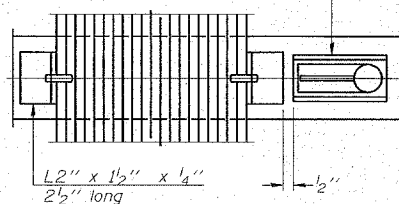


SECTION B-B



(AT WALKWAY GRATING SPLICE)

Continuous handrail hinge (Shown)



SECTION W-W

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "I" sections for main bearing bars shall meet the following requirements:
Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	B	C	D
ISO16U020L000.0	217+75	7 1/2"	4'-1 1/2"	5'-3"	9'-10 1/2"

NUMBER	REVISION	DATE

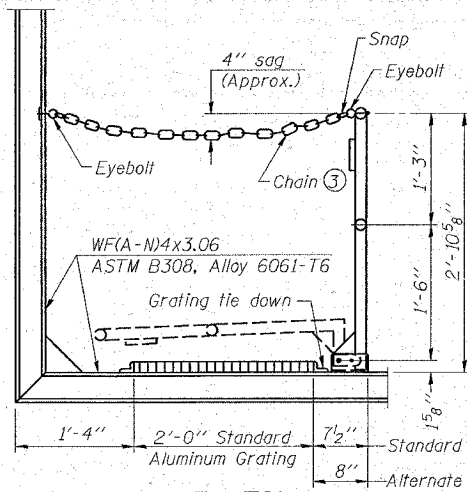
- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- If Handrail Joint present, weld angle to WFA-N4 and 1/4" extension bars. (See Base Sheet OS-A-II.)
- 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.

**OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS**

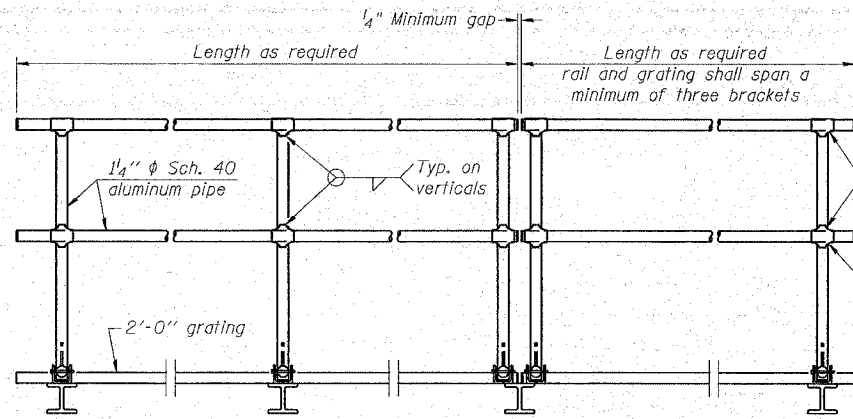
US.20 AT SHALES PKWY.

SCALE: VERT. N.T.S.
HORIZ. N.T.S.
DATE: 2/20/2008

DRAWN BY :SN
DESIGNED BY :SN
CHECKED BY :DAD



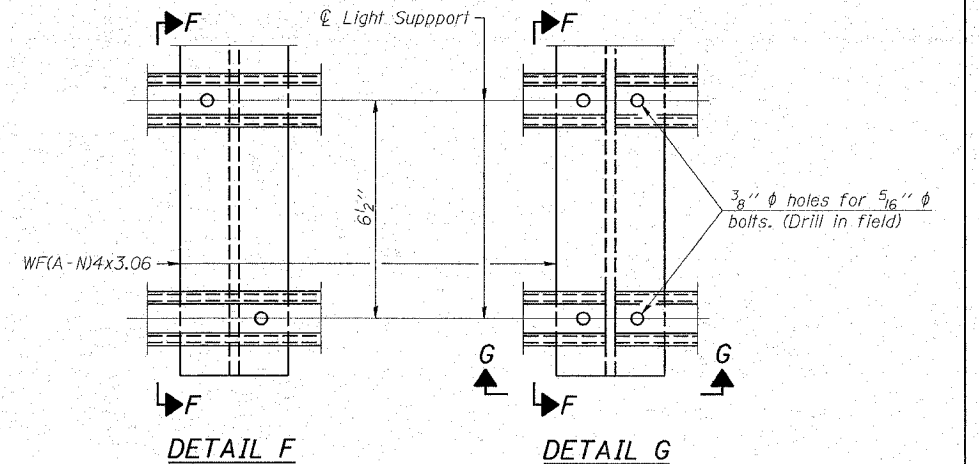
SIDE ELEVATION
(Showing safety chain w/o sign)



FRONT ELEVATION

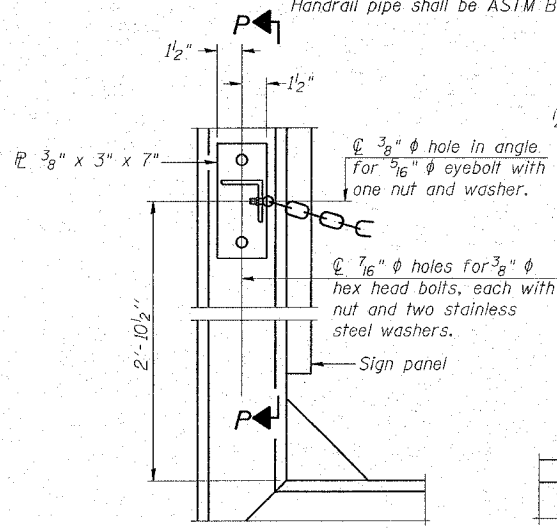
HANDRAIL DETAILS

Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.



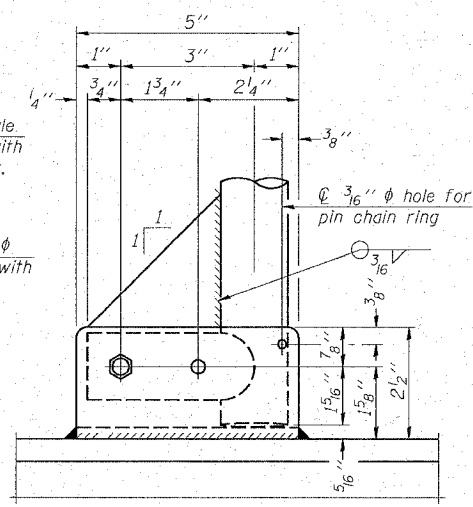
DETAIL F

DETAIL G

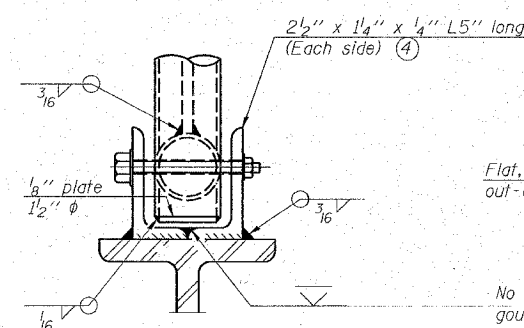


ALTERNATE SAFETY CHAIN ATTACHMENT
(With Sign Present)

Items not shown same as "Side Elevation" of "Handrail Details"



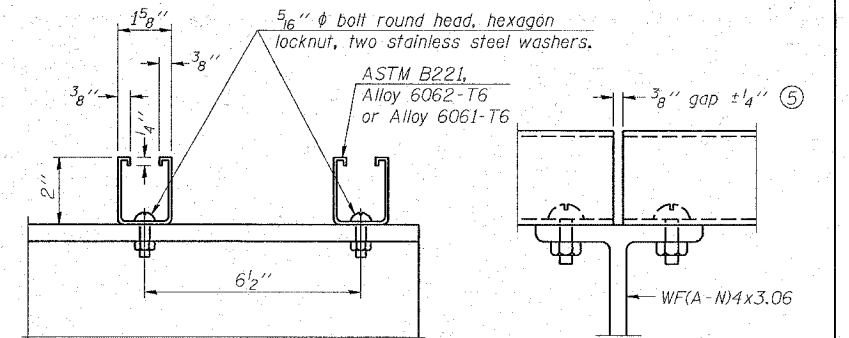
SIDE ELEVATION



FRONT ELEVATION

See "Elevation" at right for dimensions.

ELEVATION AT HANDRAIL JOINT ④

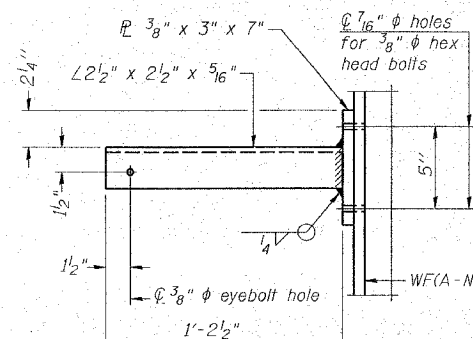


SECTION F-F

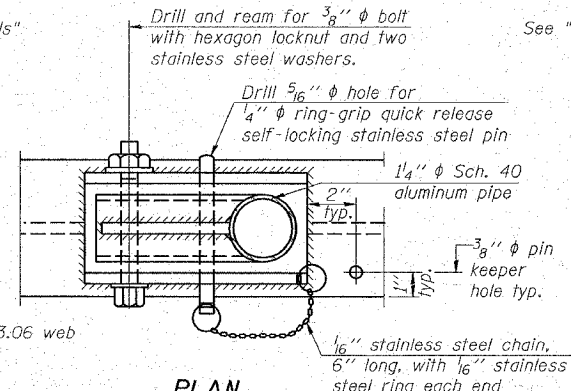
SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

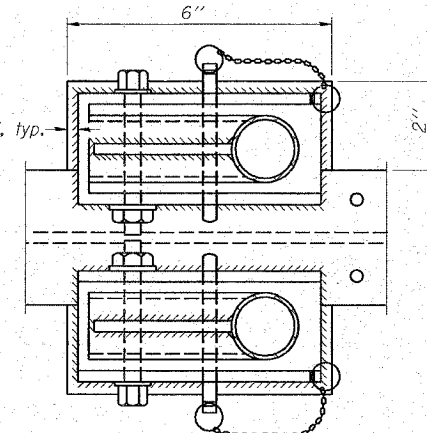
⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



SECTION P-P

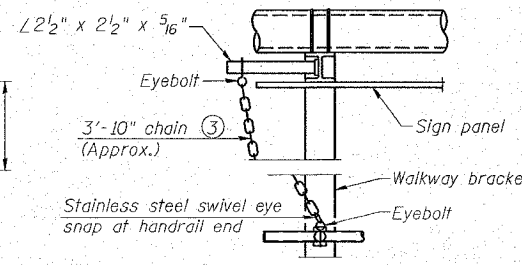


PLAN
DETAIL E HANDRAIL HINGE



PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"

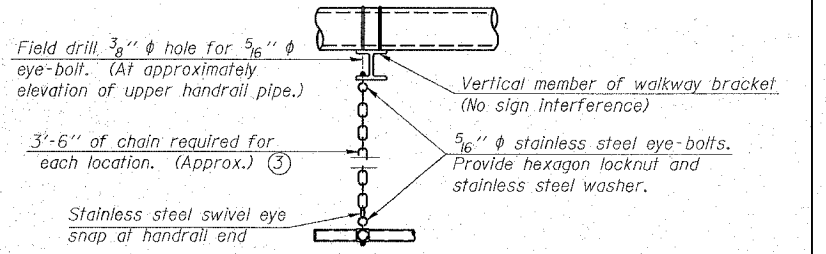


ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.

④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.



SAFETY CHAIN

One required for each end of each walkway.

OVERHEAD SIGN STRUCTURES
ALUMINUM HANDRAIL DETAILS

US.20 AT SHALES PKWY.

NUMBER	REVISION	DATE

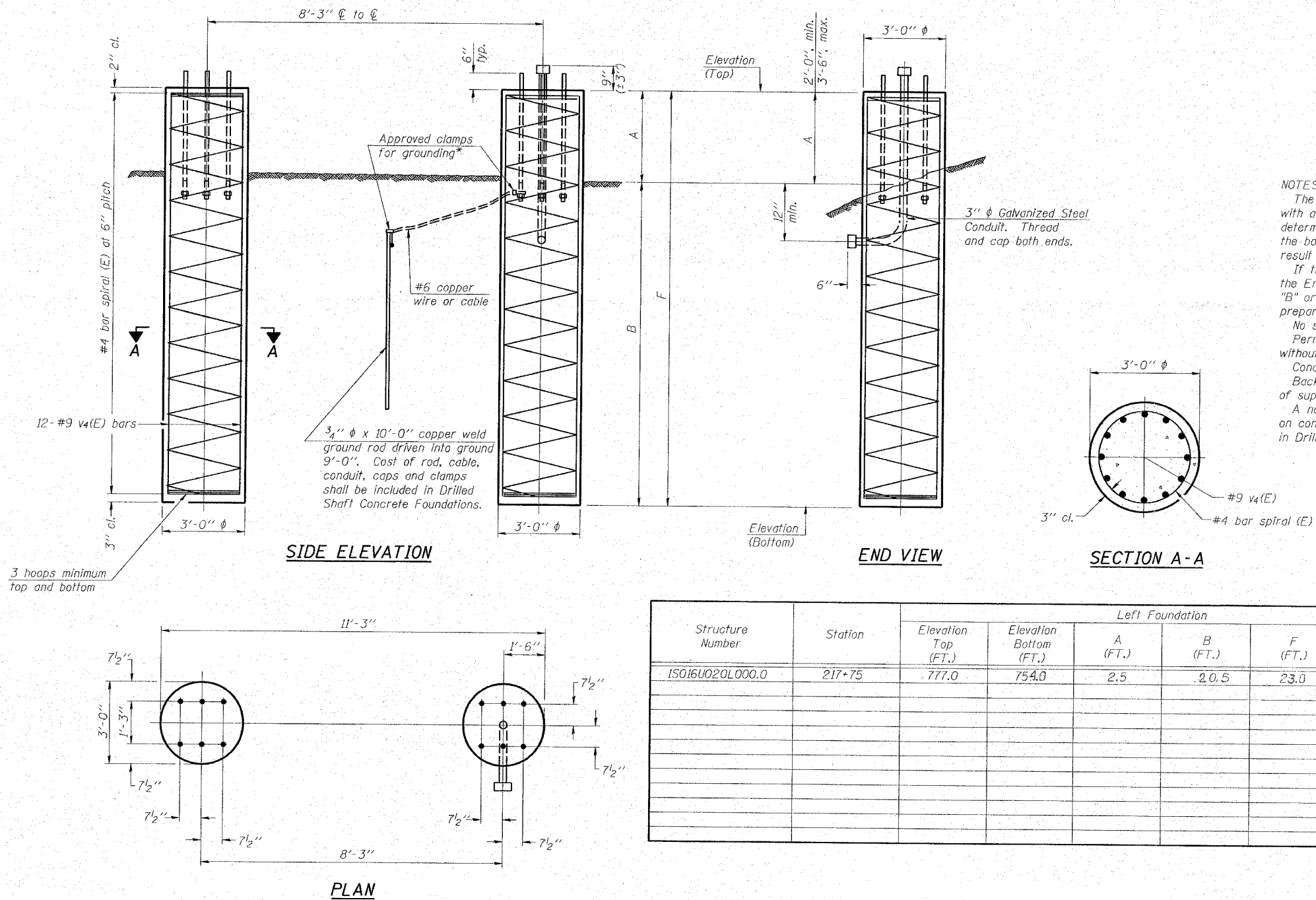
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	74A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62617				

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				



NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

Structure Number	Station	Left Foundation			Right Foundation			Class SI Concrete (Cu. Yds.)				
		Elevation Top (FT.)	Elevation Bottom (FT.)	A (FT.)	B (FT.)	F (FT.)	Elevation Top (FT.)		Elevation Bottom (FT.)	A (FT.)	B (FT.)	F (FT.)
ISO16U020L000.0	217+75	777.0	754.0	2.5	20.5	23.0	775.0	750.0	2.5	20.5	23.0	24.1

NUMBER	REVISION	DATE

**DETAILS FOR 10" φ SUPPORT FRAME
TYPE I-A or II-A TRUSS**

**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

US.20 AT SHALES PKWY.

SCALE: VERT. N.T.S.
HORIZ. N.T.S.
DATE: 2/20/2008

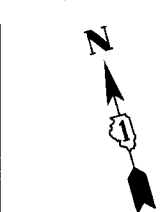
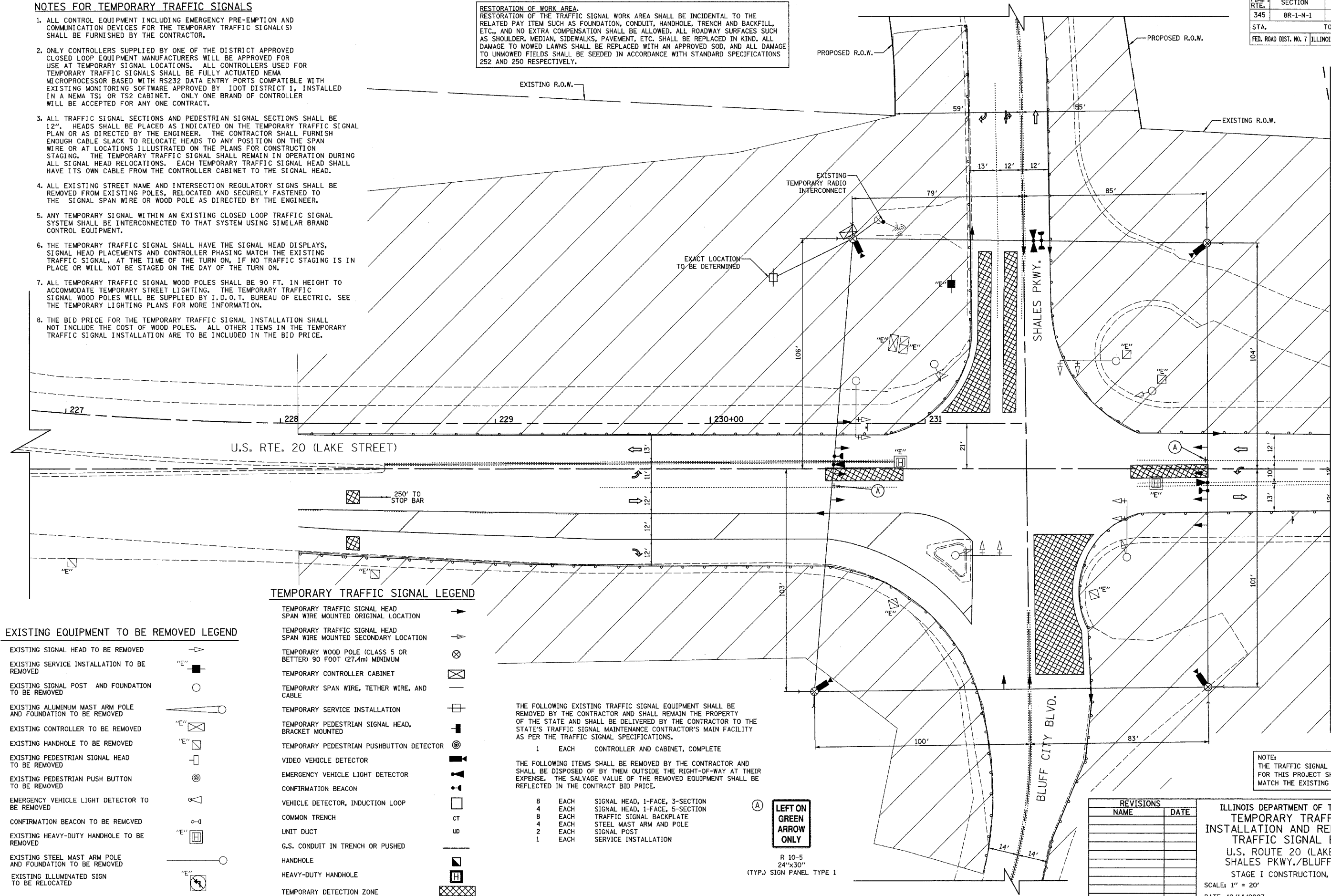
DRAWN BY :SN
DESIGNED BY :SN
CHECKED BY :DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	75
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TSI OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- ALL TEMPORARY TRAFFIC SIGNAL WOOD POLES SHALL BE 90 FT. IN HEIGHT TO ACCOMMODATE TEMPORARY STREET LIGHTING. THE TEMPORARY TRAFFIC SIGNAL WOOD POLES WILL BE SUPPLIED BY I.D.O.T. BUREAU OF ELECTRIC. SEE THE TEMPORARY LIGHTING PLANS FOR MORE INFORMATION.
- THE BID PRICE FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL NOT INCLUDE THE COST OF WOOD POLES. ALL OTHER ITEMS IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION ARE TO BE INCLUDED IN THE BID PRICE.

RESTORATION OF WORK AREA.
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



MATCHLINE A
SEE SHEET 2 OF 2

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 90 FOOT (27.4m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- VIDEO VEHICLE DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- COMMON TRENCH
- UNIT DUCT
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- HEAVY-DUTY HANDHOLE
- TEMPORARY DETECTION ZONE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING ILLUMINATED SIGN TO BE RELOCATED

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET, COMPLETE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 8 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM AND POLE
- 2 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION

(A) LEFT ON GREEN ARROW ONLY
 R 10-5
 24"x30"
 (TYP.) SIGN PANEL TYPE 1

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

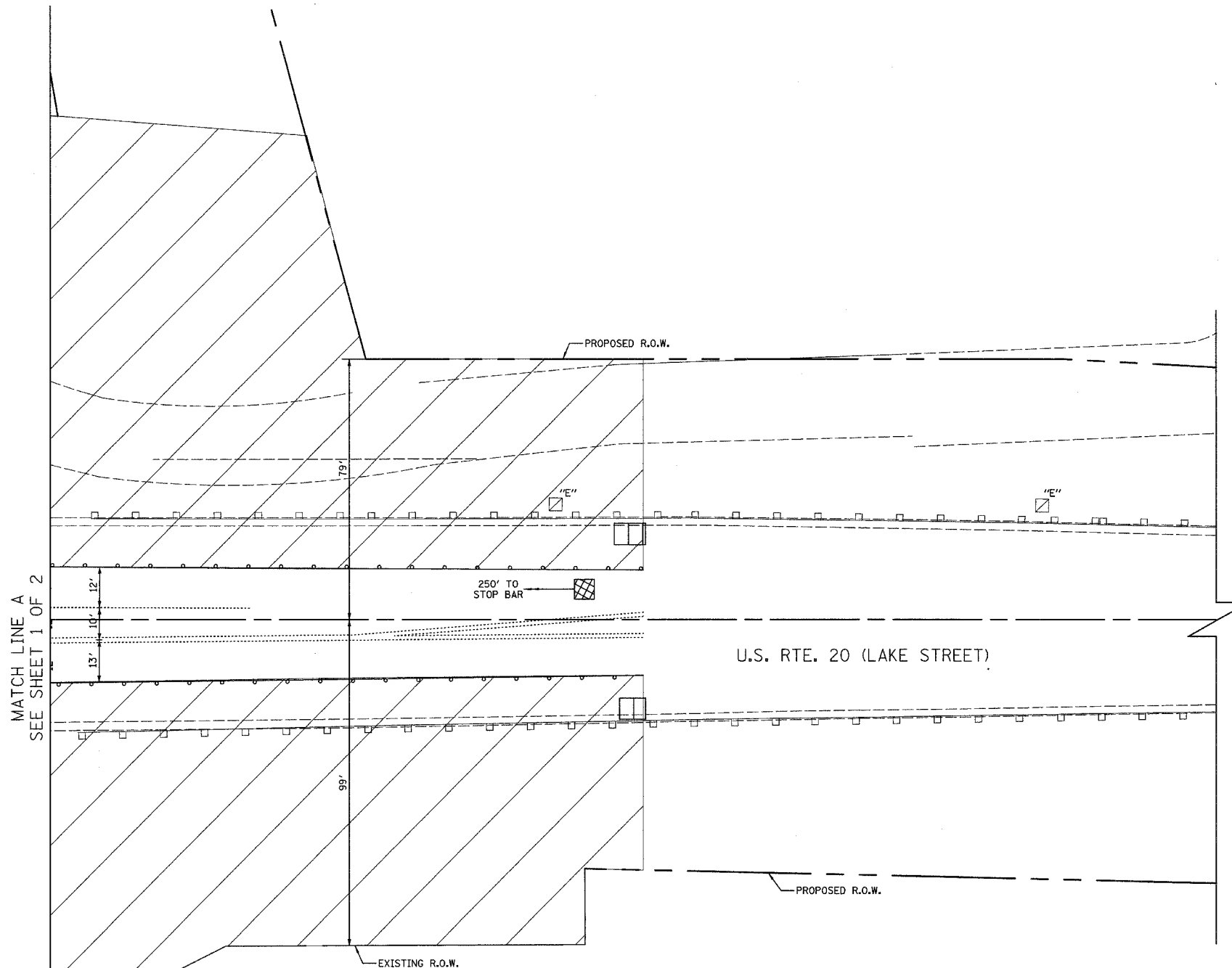
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
 U.S. ROUTE 20 (LAKE STREET) & SHALES PKWY./BLUFF CITY BLVD.
 STAGE I CONSTRUCTION, SHEET 1 OF 2
 SCALE: 1" = 20'
 DATE: 12/14/2007
 DRAWN BY: CEC
 DESIGNED BY: BRD
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	76
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. ALL TEMPORARY TRAFFIC SIGNAL WOOD POLES SHALL BE 90 FT. IN HEIGHT TO ACCOMMODATE TEMPORARY STREET LIGHTING. THE TEMPORARY TRAFFIC SIGNAL WOOD POLES WILL BE SUPPLIED BY I.D.O.T. BUREAU OF ELECTRIC. SEE THE TEMPORARY LIGHTING PLANS FOR MORE INFORMATION.
8. THE BID PRICE FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL NOT INCLUDE THE COST OF WOOD POLES. ALL OTHER ITEMS IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION ARE TO BE INCLUDED IN THE BID PRICE.



EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING ILLUMINATED SIGN TO BE RELOCATED

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- VIDEO VEHICLE DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- COMMON TRENCH
- UNIT DUCT
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- HEAVY-DUTY HANDHOLE
- TEMPORARY DETECTION ZONE

RESTORATION OF WORK AREA.
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVE EXISTING
 TRAFFIC SIGNAL EQUIPMENT
 U.S. ROUTE 20 (LAKE STREET) &
 SHALES PKWY./BLUFF CITY BLVD.
 STAGE 1 CONSTRUCTION, SHEET 2 OF 2
 SCALE: 1" = 20'
 DATE: 12/14/2007
 DRAWN BY: CEC
 DESIGNED BY: BRD
 CHECKED BY: JUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	77
STA.	TO STA.			
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL LEGEND

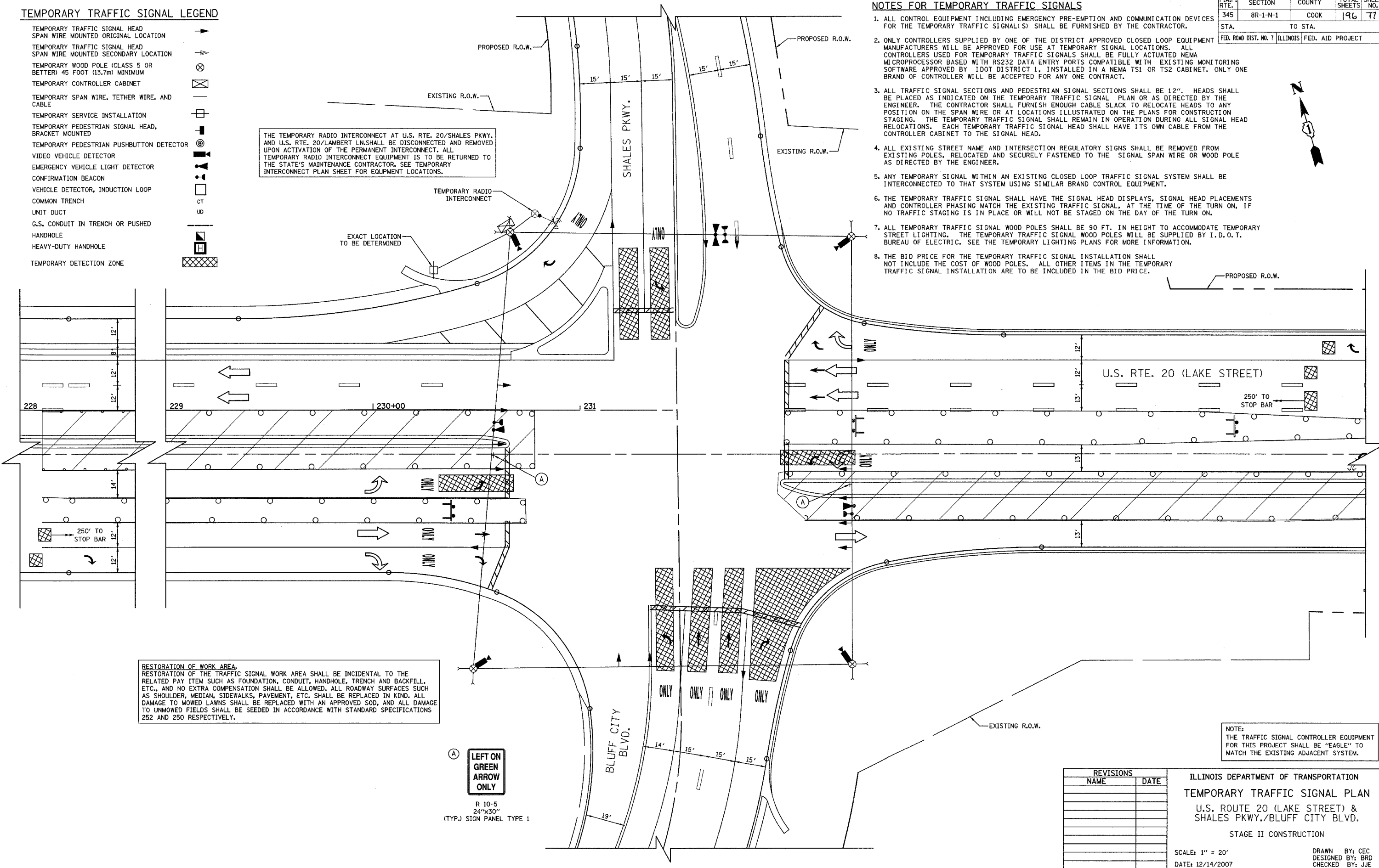
- TEMPORARY TRAFFIC SIGNAL HEAD
- SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD
- SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- VIDEO VEHICLE DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- COMMON TRENCH
- UNIT DUCT
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- HEAVY-DUTY HANDHOLE
- TEMPORARY DETECTION ZONE

NOTES FOR TEMPORARY TRAFFIC SIGNALS

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7. ALL TEMPORARY TRAFFIC SIGNAL WOOD POLES SHALL BE 90 FT. IN HEIGHT TO ACCOMMODATE TEMPORARY STREET LIGHTING. THE TEMPORARY TRAFFIC SIGNAL WOOD POLES WILL BE SUPPLIED BY I.D.O.T. BUREAU OF ELECTRIC. SEE THE TEMPORARY LIGHTING PLANS FOR MORE INFORMATION.
8. THE BID PRICE FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL NOT INCLUDE THE COST OF WOOD POLES. ALL OTHER ITEMS IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION ARE TO BE INCLUDED IN THE BID PRICE.



THE TEMPORARY RADIO INTERCONNECT AT U.S. RTE. 20/SHALES PKWY. AND U.S. RTE. 20/LAMBERT LN. SHALL BE DISCONNECTED AND REMOVED UPON ACTIVATION OF THE PERMANENT INTERCONNECT. ALL TEMPORARY RADIO INTERCONNECT EQUIPMENT IS TO BE RETURNED TO THE STATE'S MAINTENANCE CONTRACTOR. SEE TEMPORARY INTERCONNECT PLAN SHEET FOR EQUIPMENT LOCATIONS.



RESTORATION OF WORK AREA.
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

(A) LEFT ON GREEN ARROW ONLY
 R 10-5
 24"x30"
 (TYP.) SIGN PANEL TYPE 1

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

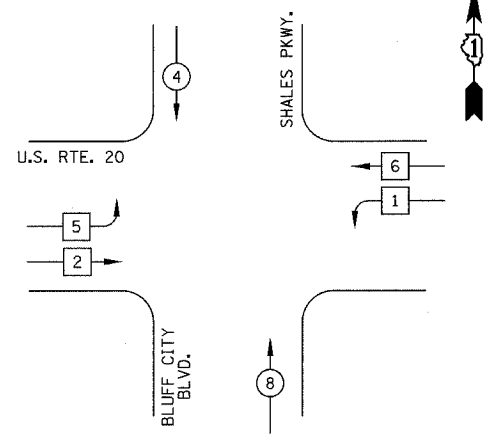
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC SIGNAL PLAN
 U.S. ROUTE 20 (LAKE STREET) &
 SHALES PKWY./BLUFF CITY BLVD.
 STAGE II CONSTRUCTION

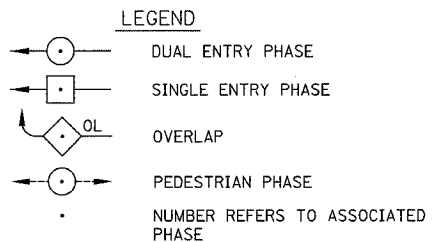
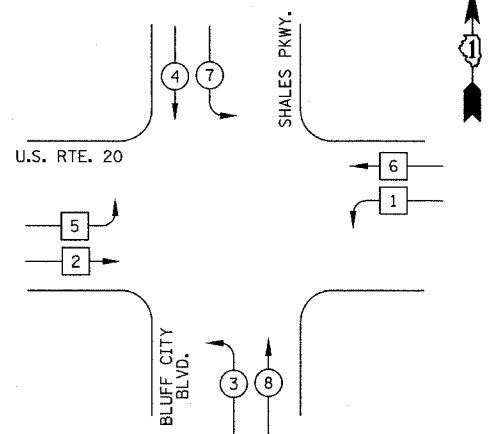
SCALE: 1" = 20'
 DATE: 12/14/2007
 DRAWN BY: CEC
 DESIGNED BY: BRD
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	78
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

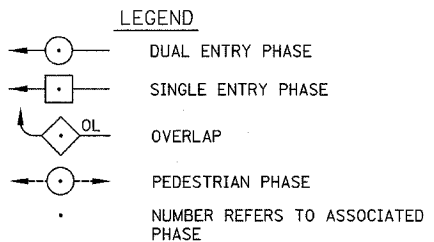
TEMPORARY CONTROLLER SEQUENCE STAGE I CONSTRUCTION



TEMPORARY CONTROLLER SEQUENCE STAGE II CONSTRUCTION

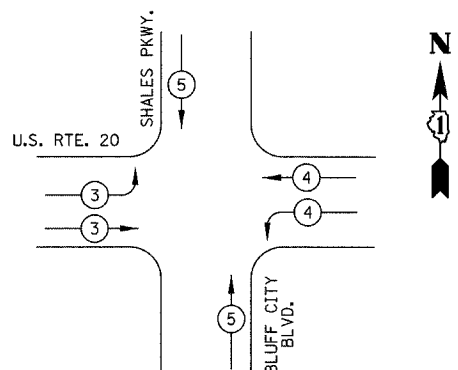


TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	
MOVEMENT				

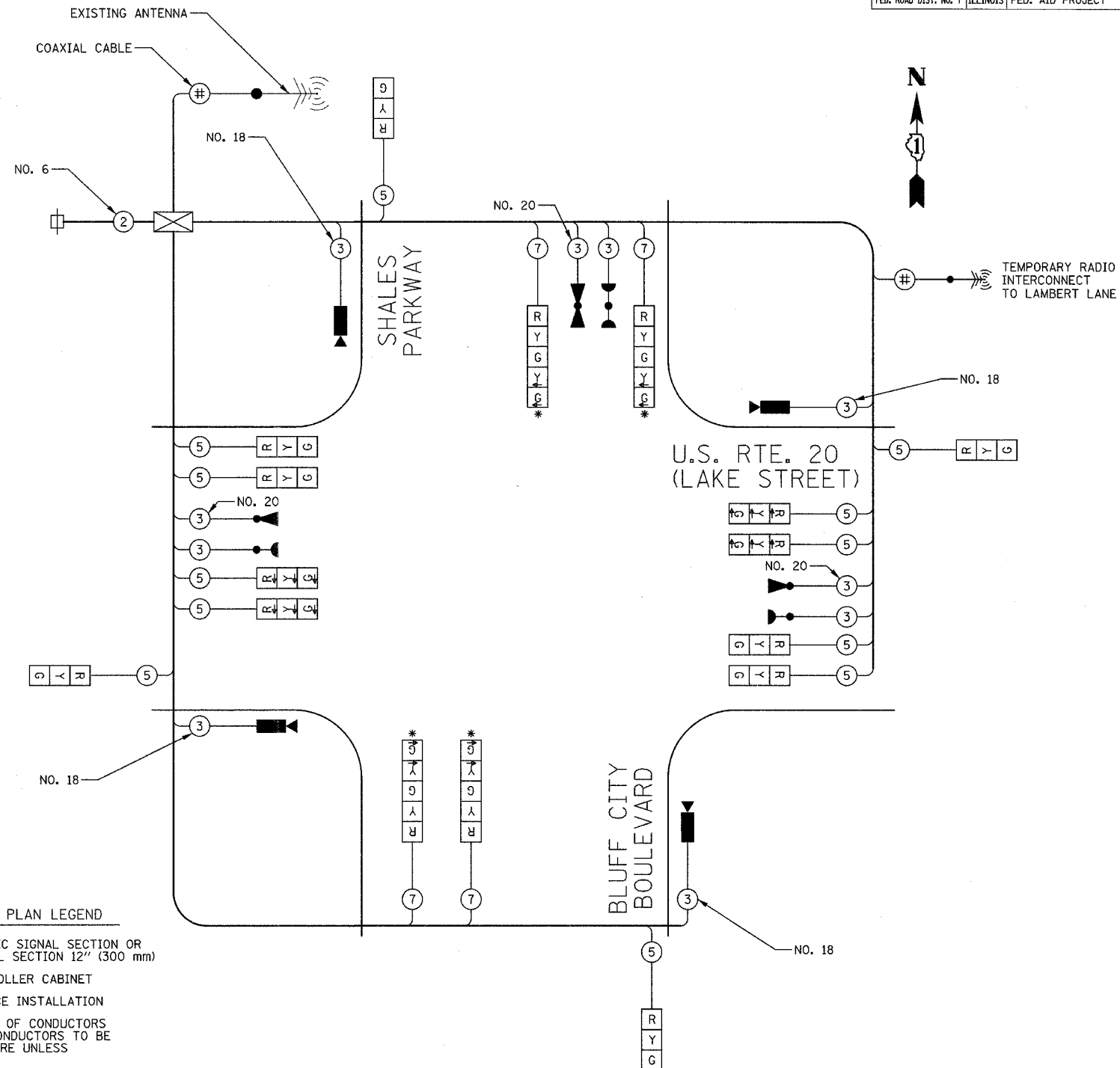
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	16	17		0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	8		12	0.10	10
CONTROLLER	1		100	1.00	100
VIDEO SYSTEMS	1		150	1.00	150
TOTAL =					556

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: CHRISTIE BUTTS
PHONE: (847) 608-2331
COMPANY: COM ED

TEMPORARY CABLE PLAN LEGEND

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PEDESTRIAN PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE DETECTOR
- ANTENNA
- COAXIAL CABLE



TEMPORARY CABLE PLAN NOT TO SCALE

* THE LEFT TURN INDICATIONS ON THIS SIGNAL HEAD SHALL BE BAGGED AND DISCONNECTED DURING STAGE I OF CONSTRUCTION.

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CABLE PLAN,
PHASE DESIGNATION DIAGRAM
& EMERGENCY VEHICLE
PREEMPTION SEQUENCE

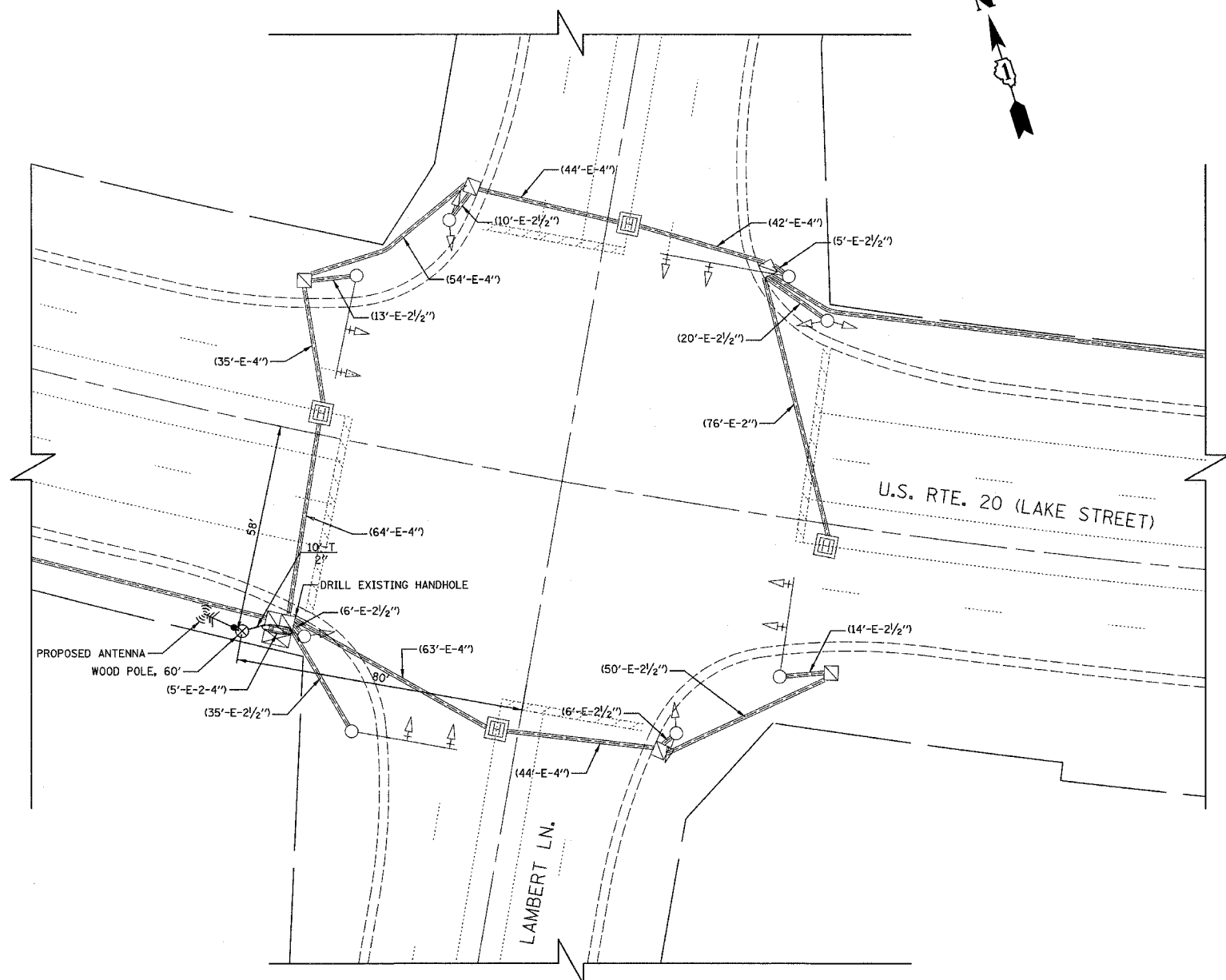
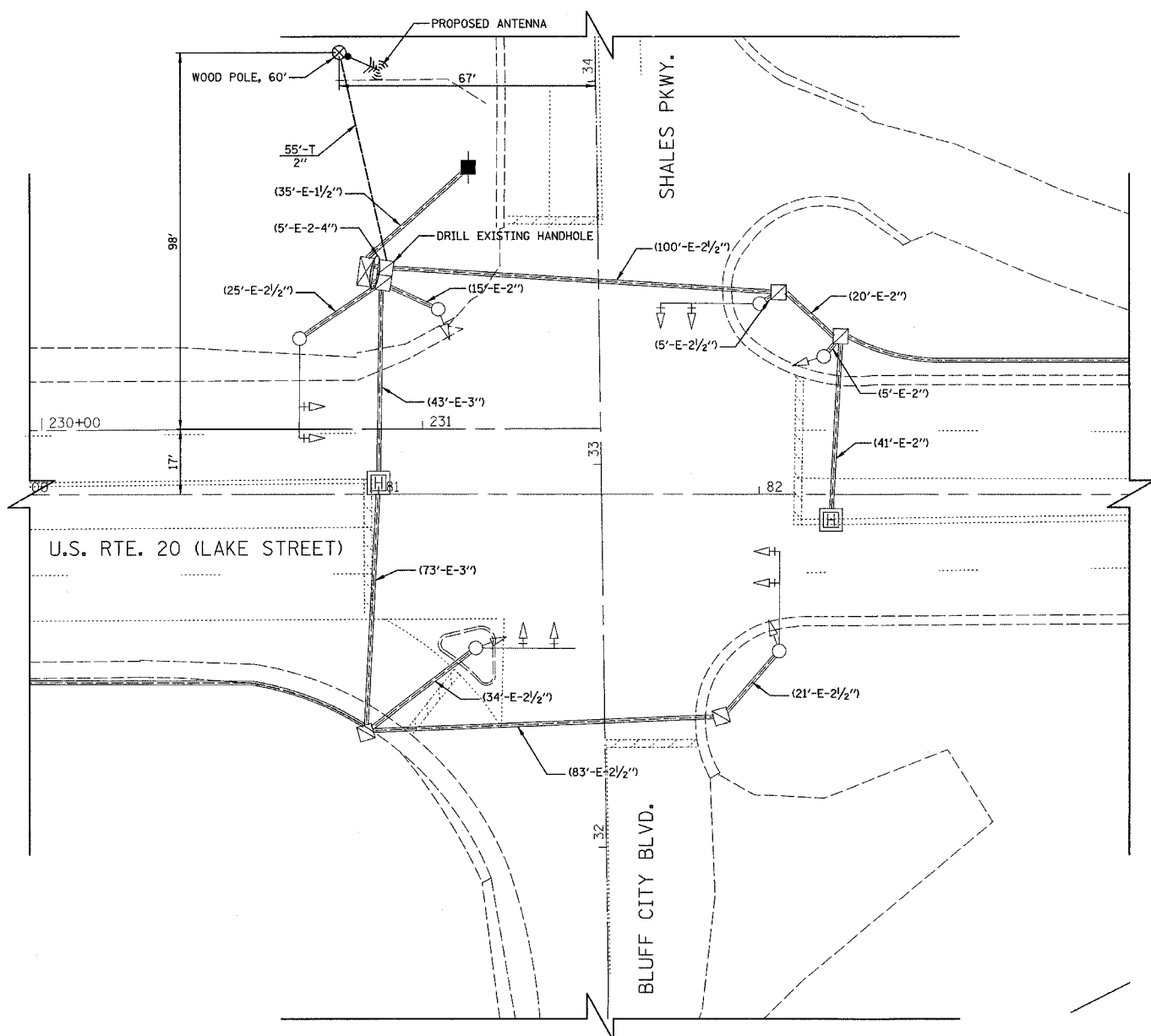
U.S. RTE. 20 (LAKE STREET) &
SHALES PKWY./BLUFF CITY BLVD.

SCALE: NOT TO SCALE
DATE: 12/14/2007

DRAWN BY: CEC
DESIGNED BY: BRD
CHECKED BY: JUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	(7-YV-1&8R-1) WRS&T-YVI-BR	COOK	196	79
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

NOTE: THIS SHEET IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY FOR REMOVAL OF THE TEMPORARY RADIO INTERCONNECT



TRAFFIC SIGNAL LEGEND

EXISTING		PROPOSED		EXISTING		PROPOSED	
CONTROLLER			DETECTOR LOOP			CAST IRON JUNCTION BOX	
SERVICE INSTALLATION			EMERGENCY VEHICLE SYSTEM DETECTOR			CONFIRMATION BEACON	
SIGNAL HEAD			CONFIRMATION BEACON			SIGNAL HEAD PROGRAMMED	
SIGNAL HEAD WITH BACKPLATE			CONDUIT SPLICE			WOOD POLE	
SIGNAL HEAD, PEDESTRIAN			WOOD POLE			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	
SIGNAL POST			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
MAST ARM ASSEMBLY AND POLE, STEEL			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE			RAILROAD CONTROLLER	
MAST ARM ASSEMBLY AND POLE, ALUMINUM			RAILROAD CONTROLLER			ILLUMINATED SIGN, FIBER OPTIC NO LEFT TURN	
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL			ILLUMINATED SIGN, FIBER OPTIC NO RIGHT TURN			ILLUMINATED SIGN, FIBER OPTIC NO RIGHT TURN	
COMMON TRENCH			ILLUMINATED SIGN, FIBER OPTIC NO RIGHT TURN			TELEPHONE CONNECTION	
UNIT DUCT			TELEPHONE CONNECTION			UNINTERRUPTIBLE POWER SUPPLY	
HANDHOLE			UNINTERRUPTIBLE POWER SUPPLY				
HEAVY-DUTY HANDHOLE							
DOUBLE HANDHOLE							
G.S. CONDUIT IN TRENCH OR PUSHED							
PEDESTRIAN PUSH-BUTTON DETECTOR							

NOTES FOR TEMPORARY INTERCONNECT:

- ALL WORK SHOWN SHALL BE INCLUDED IN THE PAY ITEM "WIRELESS INTERCONNECT, COMPLETE." WOOD POLES SHALL BE PAID FOR SEPARATELY.

RESTORATION OF WORK AREA.
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
WIRELESS INTERCONNECT, COMPLETE	EACH	1
TRAFFIC SIGNAL WOOD POLE, 60 FT, CLASS 4	EACH	2

REVISIONS	
NAME	DATE

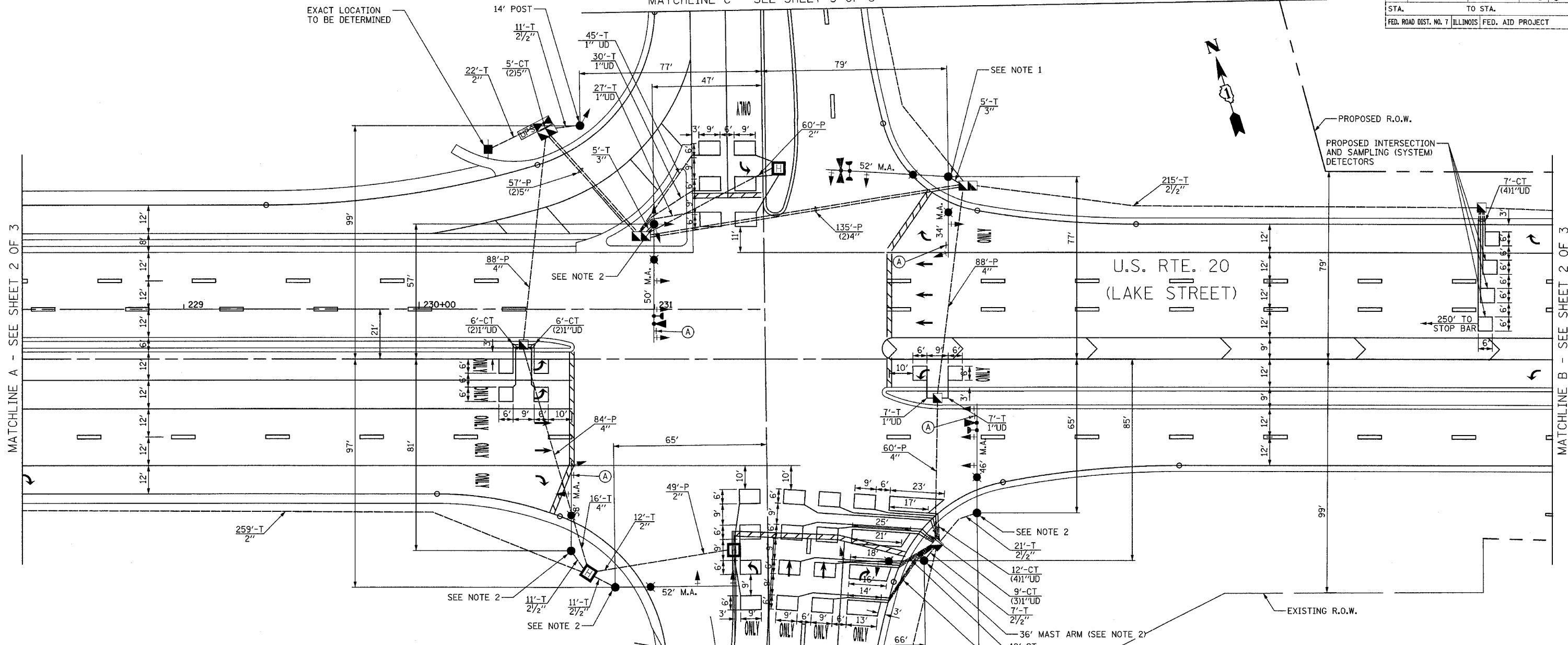
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMPORARY INTERCONNECT PLAN
 U.S. RTE. 20 (LAKE STREET)
 SHALES PKWY./BLUFF CITY BLVD.
 TO LAMBERT LANE

SCALE: 1"=20'
 DATE: 12/14/2007

DRAWN BY: CEC
 DESIGNED BY: BRD
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	80
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

SHALES PARKWAY
MATCHLINE C - SEE SHEET 3 OF 3



MATCHLINE A - SEE SHEET 2 OF 3

MATCHLINE B - SEE SHEET 2 OF 3

TRAFFIC SIGNAL LEGEND

EXISTING		PROPOSED		EXISTING		PROPOSED	
CONTROLLER			DETECTOR LOOP			CAST IRON JUNCTION BOX	
SERVICE INSTALLATION			EMERGENCY VEHICLE SYSTEM DETECTOR			CONFIRMATION BEACON	
SIGNAL HEAD			SIGNAL HEAD PROGRAMMED			CONDUIT SPLICE	
SIGNAL HEAD WITH BACKPLATE			WOOD POLE			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	
SIGNAL HEAD, PEDESTRIAN			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE			RAILROAD CONTROLLER	
SIGNAL POST			ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"			ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"	
MAST ARM ASSEMBLY AND POLE, STEEL			TELEPHONE CONNECTION			UNINTERRUPTIBLE POWER SUPPLY	
MAST ARM ASSEMBLY AND POLE, ALUMINUM							
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL							
COMMON TRENCH							
UNIT DUCT							
HANDHOLE							
HEAVY-DUTY HANDHOLE							
DOUBLE HANDHOLE							
G.S. CONDUIT IN TRENCH OR PUSHED							
PEDESTRIAN PUSH-BUTTON DETECTOR							

NOTES:

1. THE COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS AT THIS LOCATION SHALL HAVE A 45 FT. COMBINATION POLE HEIGHT WITH DUAL 15' LUMINAIRE ARMS.
2. THE COMBINATION MAST ARM ASSEMBLY AND POLE AT THIS LOCATION SHALL HAVE A 45 FT. COMBINATION POLE HEIGHT WITH 15' LUMINAIRE ARM.

LEFT ON GREEN ARROW ONLY
R 10-5
24"x30"
(TYP.) SIGN PANEL TYPE 1

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

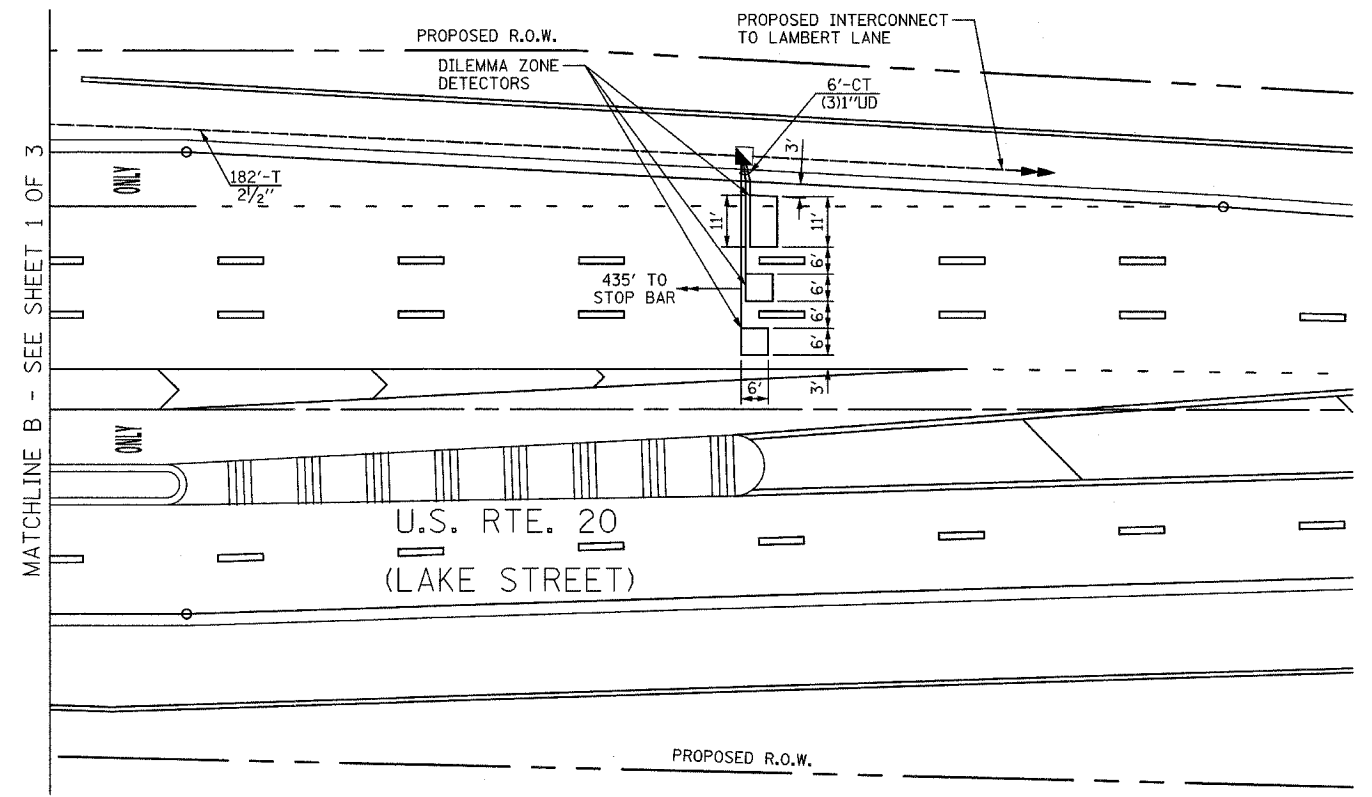
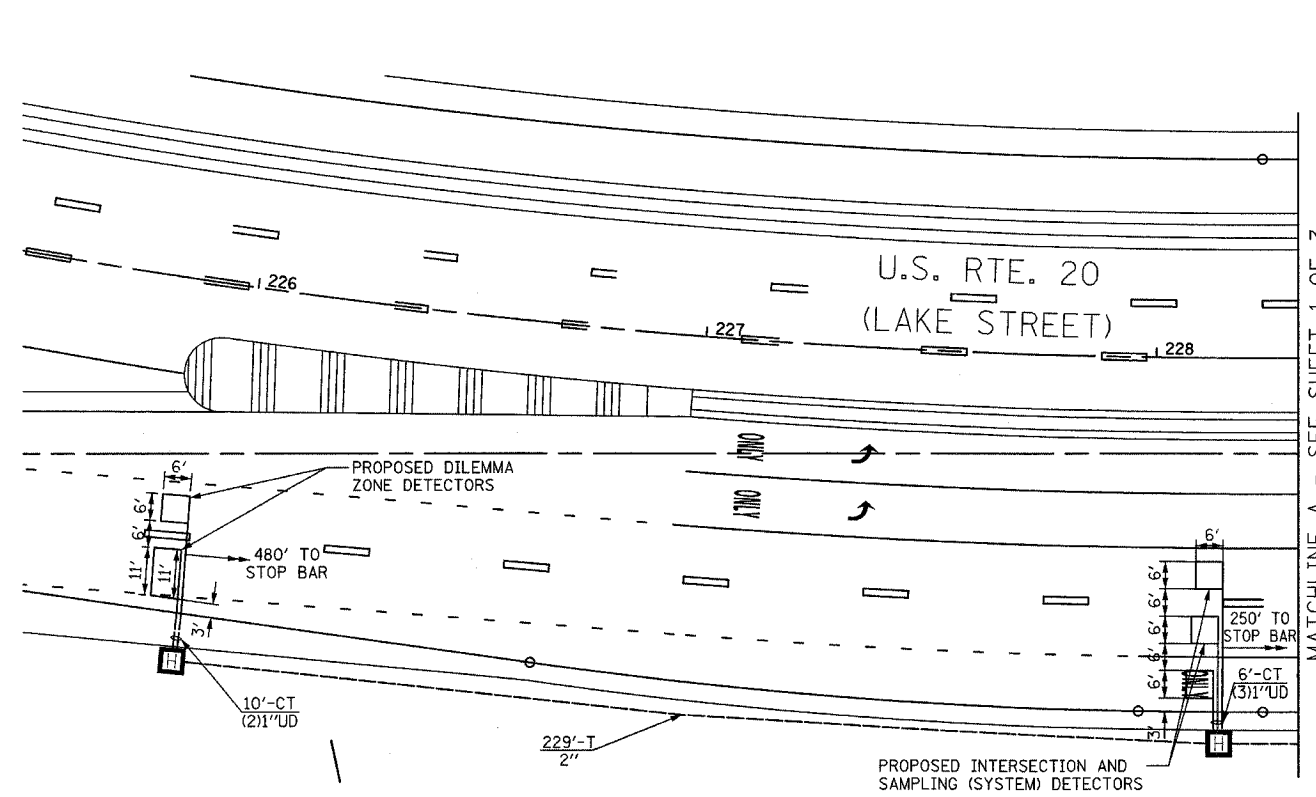
NOTE:
THE TRAFFIC SIGNAL CONTROLLER FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
U.S. RTE. 20 (LAKE STREET)
& SHALES PKWY./BLUFF CITY BLVD.
SHEET 1 OF 3

SCALE: 1"=20'
DATE: 12/14/2007
DRAWN BY: CEC
DESIGNED BY: BRD
CHECKED BY: JUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	81
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



TRAFFIC SIGNAL LEGEND

		EXISTING	PROPOSED			EXISTING	PROPOSED
CONTROLLER		[Symbol]	[Symbol]	DETECTOR LOOP		[Symbol]	[Symbol]
SERVICE INSTALLATION		[Symbol]	[Symbol]	CAST IRON JUNCTION BOX		[Symbol]	[Symbol]
SIGNAL HEAD		[Symbol]	[Symbol]	EMERGENCY VEHICLE SYSTEM DETECTOR		[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE		[Symbol]	[Symbol]	CONFIRMATION BEACON		[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN		[Symbol]	[Symbol]	SIGNAL HEAD PROGRAMMED		[Symbol]	[Symbol]
SIGNAL POST		[Symbol]	[Symbol]	CONDUIT SPLICE		[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL		[Symbol]	[Symbol]	WOOD POLE		[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM		[Symbol]	[Symbol]	RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		[Symbol]	[Symbol]
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL		[Symbol]	[Symbol]	VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		[Symbol]	[Symbol]
COMMON TRENCH			CT	RAILROAD CONTROLLER		[Symbol]	[Symbol]
UNIT DUCT			UD	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		[Symbol]	[Symbol]
HANDHOLE		[Symbol]	[Symbol]	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		[Symbol]	[Symbol]
HEAVY-DUTY HANDHOLE		[Symbol]	[Symbol]	TELEPHONE CONNECTION		[Symbol]	[Symbol]
DOUBLE HANDHOLE		[Symbol]	[Symbol]	UNINTERRUPTIBLE POWER SUPPLY		[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OR PUSHED		[Symbol]	[Symbol]				
PEDESTRIAN PUSH-BUTTON DETECTOR		[Symbol]	[Symbol]				

RESTORATION OF WORK AREA.
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

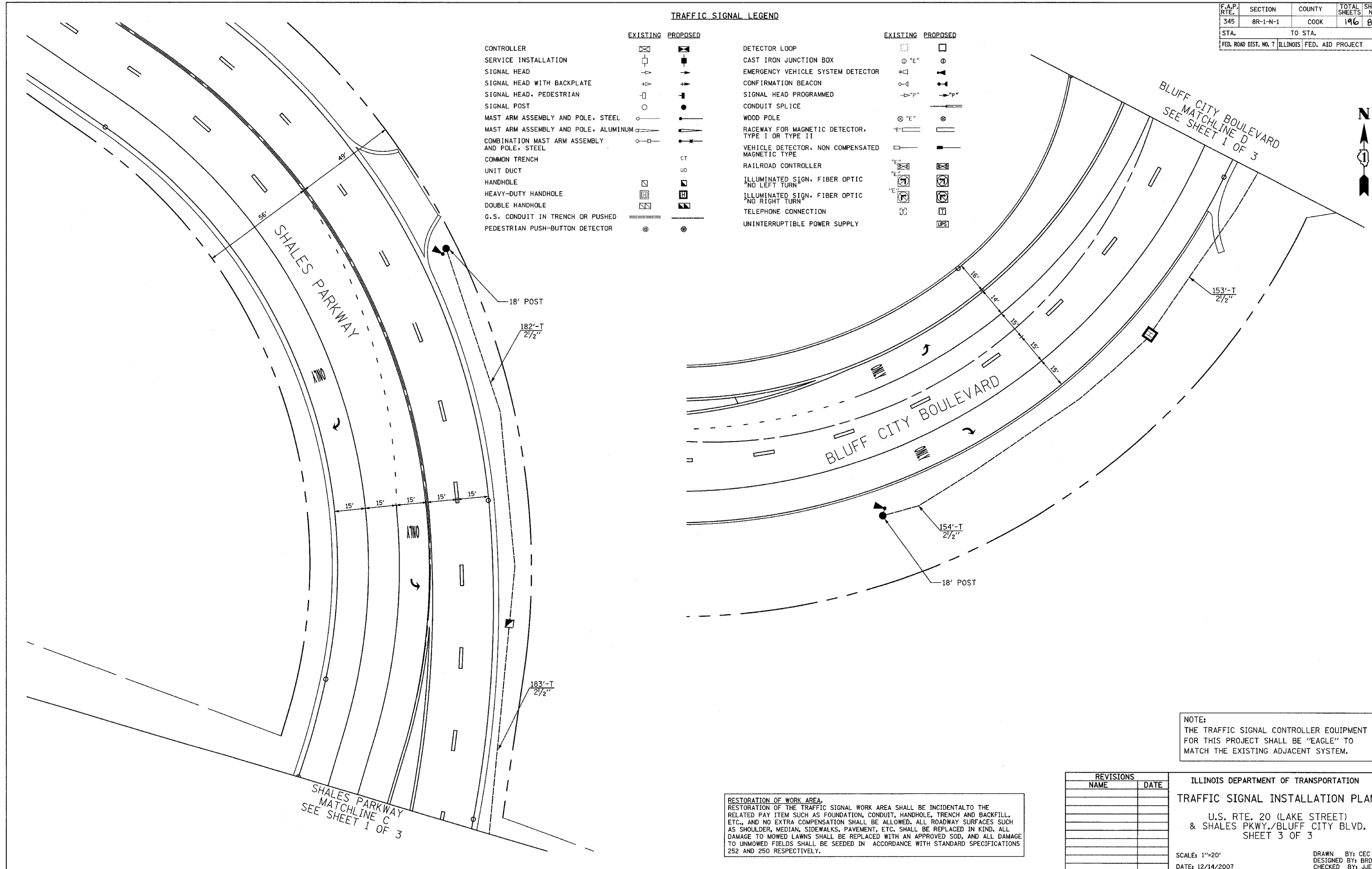
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
 U.S. RTE. 20 (LAKE STREET)
 & SHALES PKWY./BLUFF CITY BLVD.
 SHEET 2 OF 3
 SCALE: 1"=20'
 DATE: 12/14/2007
 DRAWN BY: CEC
 DESIGNED BY: BRD
 CHECKED BY: JUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	82
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED		EXISTING	PROPOSED
CONTROLLER			DETECTOR LOOP		
SERVICE INSTALLATION			CAST IRON JUNCTION BOX		
SIGNAL HEAD			EMERGENCY VEHICLE SYSTEM DETECTOR		
SIGNAL HEAD WITH BACKPLATE			CONFIRMATION BEACON		
SIGNAL HEAD, PEDESTRIAN			SIGNAL HEAD PROGRAMMED		
SIGNAL POST			CONDUIT SPLICE		
MAST ARM ASSEMBLY AND POLE, STEEL			WOOD POLE		
MAST ARM ASSEMBLY AND POLE, ALUMINUM			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
COMMON TRENCH			RAILROAD CONTROLLER		
UNIT DUCT			ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		
HANDHOLE			ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		
HEAVY-DUTY HANDHOLE			TELEPHONE CONNECTION		
DOUBLE HANDHOLE			UNINTERRUPTIBLE POWER SUPPLY		
G.S. CONDUIT IN TRENCH OR PUSHED					
PEDESTRIAN PUSH-BUTTON DETECTOR					



BLUFF CITY BOULEVARD
MATCHLINE D
SEE SHEET 1 OF 3

SHALES PARKWAY
MATCHLINE C
SEE SHEET 1 OF 3

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
U.S. RTE. 20 (LAKE STREET)
& SHALES PKWY./BLUFF CITY BLVD.
SHEET 3 OF 3

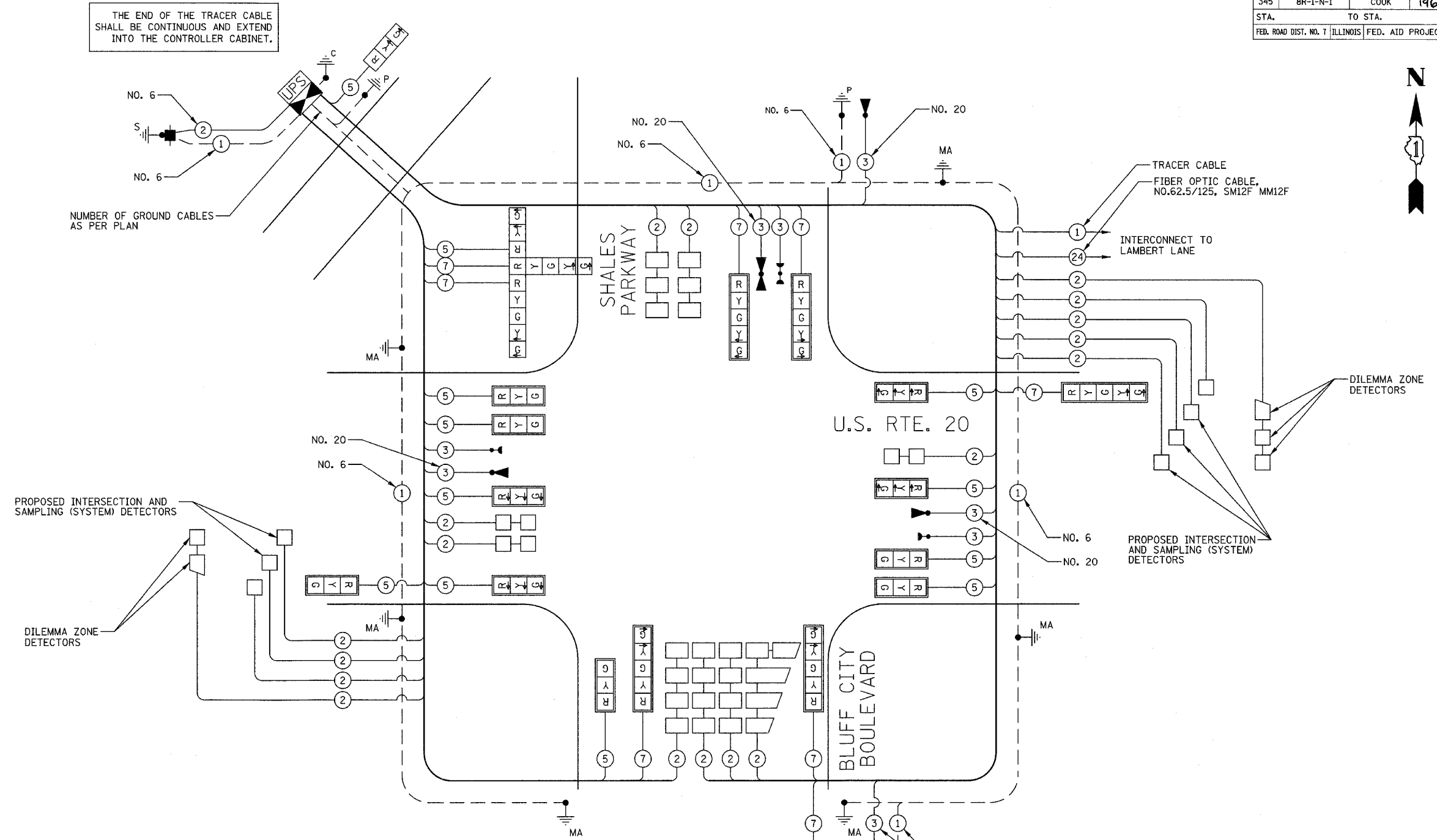
SCALE: 1"=20'
DATE: 12/14/2007
DRAWN BY: CEC
DESIGNED BY: BRD
CHECKED BY: JUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	83
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CABLE PLAN LEGEND

- EXISTING PROPOSED
- 8" (200mm) TRAFFIC SIGNAL SECTION
 - 12" (300mm) TRAFFIC SIGNAL SECTION
 - 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - CONTROLLER CABINET
 - SERVICE INSTALLATION
 - TELEPHONE CONNECTION
 - MAGNETIC DETECTOR
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - CONFIRMATION BEACON
 - PUSHBUTTON DETECTOR
 - VEHICLE DETECTOR, INDUCTION LOOP
 - MICROWAVE VEHICLE SENSOR
 - SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
 - RAILROAD CONTROL CABINET
 - ILLUMINATED SIGN "NO LEFT TURN"
 - ILLUMINATED SIGN "NO RIGHT TURN"
 - GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
 - GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
 - GROUND ROD AT ELECTRIC SERVICE INSTALLATION
 - GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
 - FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
 - UNINTERRUPTIBLE POWER SUPPLY

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	20		17	0.50	170
(YELLOW)	20		25	0.25	125
(GREEN)	20		15	0.25	75
ARROW	16		12	0.10	19
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
TOTAL =					489

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: CHRISTIE BUTTS
PHONE: (847) 608-2331
COMPANY: COM ED

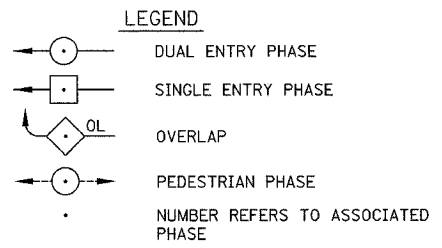
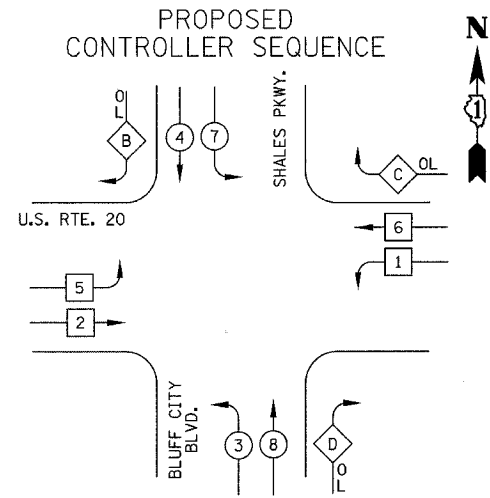
FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (2.0)
D- CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2' (6m+L-0.6m)=
E- M. ARM POLE		SIGNAL POST	2 (1.0)		
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN
U.S. RTE. 20 (LAKE STREET)
& SHALES PKWY./BLUFF CITY BLVD.
SCALE: NOT TO SCALE
DATE: 12/14/2007
DRAWN BY: CEC
DESIGNED BY: BRD
CHECKED BY: JUE

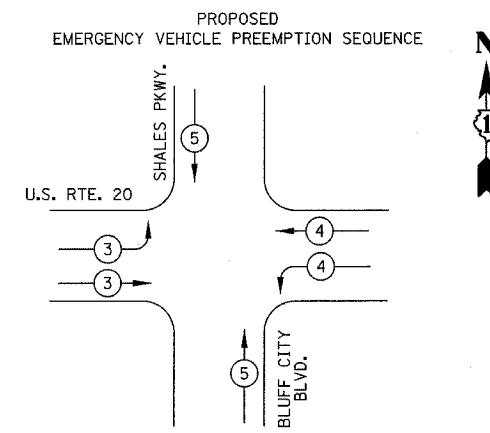
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	84
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	=	FREE-FLOW MOVEMENT
C	=	6 + 7
D	=	8 + 1



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	56
SIGN PANEL - TYPE 2	SQ FT	25
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	522
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	1130
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	16
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	109
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	655
CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	114
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	3
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1683
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	978
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3412
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2381
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FOOT	7048
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	41
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	1
* TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, L.E.D., 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16
INDUCTIVE LOOP DETECTOR	EACH	18
DETECTOR LOOP, TYPE I	FOOT	1908
* LIGHT DETECTOR	EACH	5
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
SERVICE INSTALLATION, POLE MOUNT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1675
* ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	2352
TEMPORARY TRAFFIC SIGNAL TIMINGS	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH		
DUAL MAST ARMS, 34 FT. AND 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E (SPECIAL)	FOOT	15

* 100% COST TO CITY OF ELGIN

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS

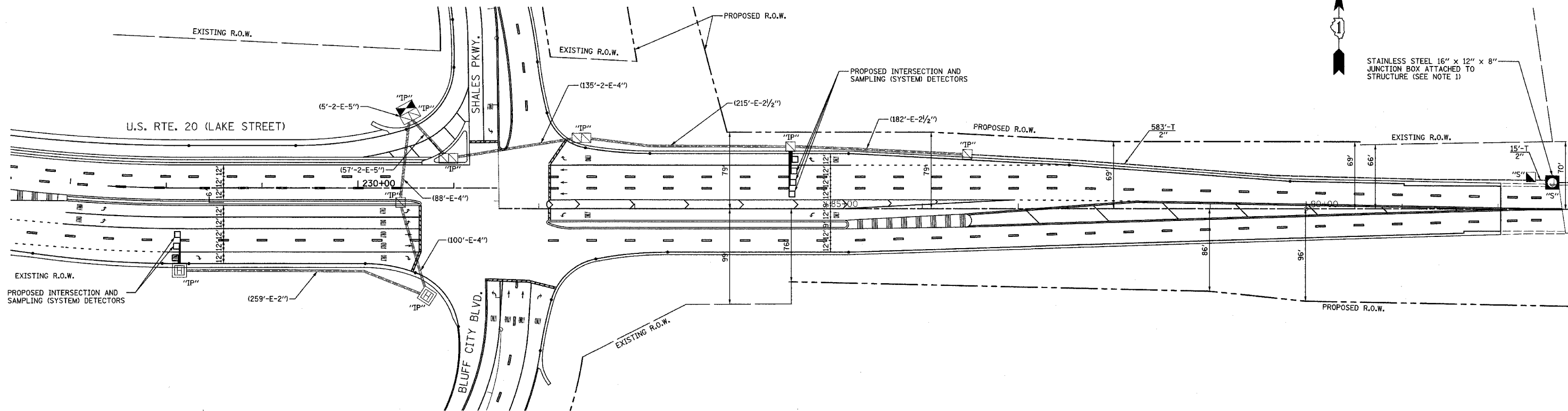
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EMERGENCY VEHICLE PREEMPTION SEQUENCE,
PHASE DESIGNATION DIAGRAM &
SCHEDULE OF QUANTITIES
U.S. RTE. 20 (LAKE STREET)
& SHALES PKWY./BLUFF CITY BLVD.
SCALE: NOT TO SCALE
DATE: 12/14/2007
DRAWN BY: CEC
DESIGNED BY: BRD
CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	85
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



STAINLESS STEEL 16" x 12" x 8"
JUNCTION BOX ATTACHED TO
STRUCTURE (SEE NOTE 1)



MATCHLINE A (SEE BELOW)

TRAFFIC SIGNAL INTERCONNECT NOTES

1. THE JUNCTION BOX SHALL BE ATTACHED TO THE BACK OF THE BRIDGE HANDRAIL OR PARAPET WALL. DRILLING OF BEAMS IS NOT PERMITTED.
2. THE CONDUIT SHALL BE ATTACHED TO THE BACK OF THE BRIDGE HANDRAIL.

INTERCONNECT PLAN LEGEND

	EXISTING	PROPOSED
CONTROLLER		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
SYSTEM		
INTERSECTION		
UNIT DUCT		
COMMON TRENCH		

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

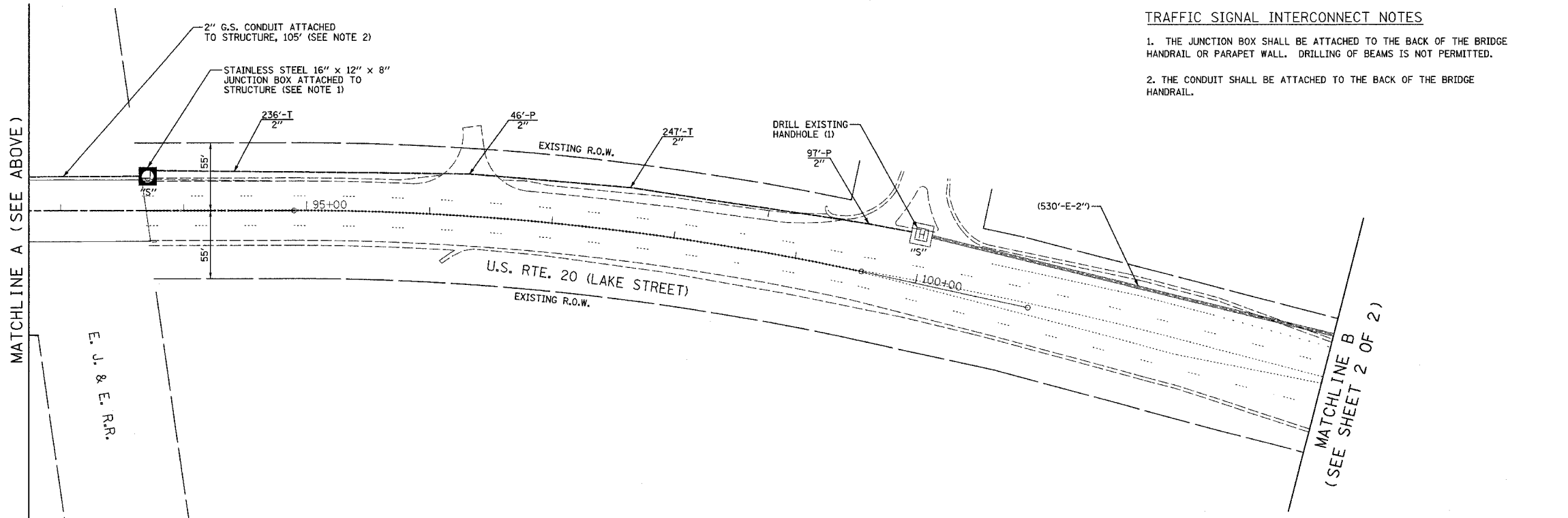
NOTE:
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
U.S. RTE. 20 (LAKE STREET)
SHALES PKWY./BLUFF CITY BLVD.
TO LAMBERT LANE
(SHEET 1 OF 2)

SCALE: 1"=50'
DATE: 12/14/2007

DRAWN BY: CEC
DESIGNED BY: BRD
CHECKED BY: JJE

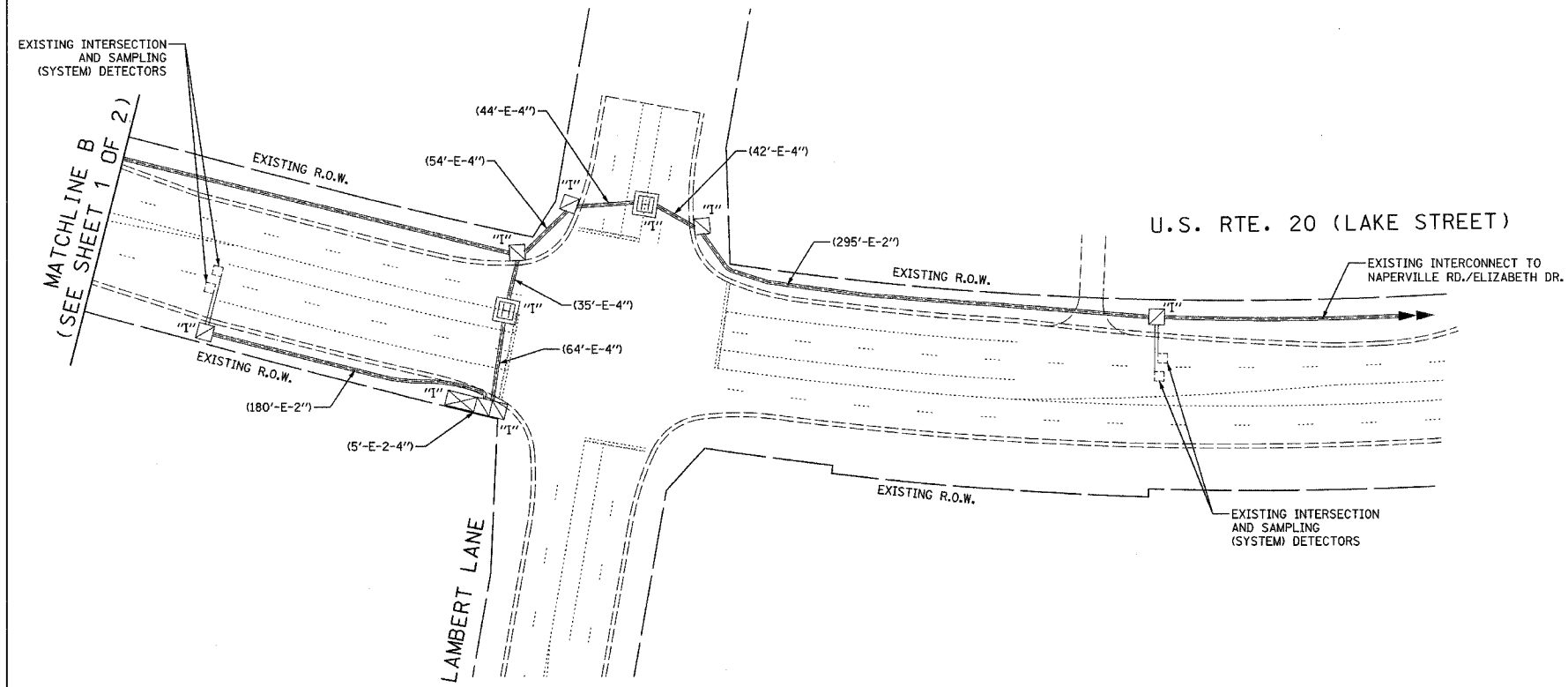


MATCHLINE A (SEE ABOVE)

MATCHLINE B
(SEE SHEET 2 OF 2)

E. J. & E. R.R.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	86
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



INTERCONNECT PLAN LEGEND

	EXISTING	PROPOSED
CONTROLLER	☒	☒
HANDHOLE	☐	☐
HEAVY DUTY HANDHOLE	☐	☐
DOUBLE HANDHOLE	☐	☐
G.S. CONDUIT IN TRENCH OR PUSHED	—	—
DETECTOR LOOP	☐	☐
SYSTEM	S	S
INTERSECTION	I	IP
UNIT DUCT		UD
COMMON TRENCH		CT

RESTORATION OF WORK AREA.
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

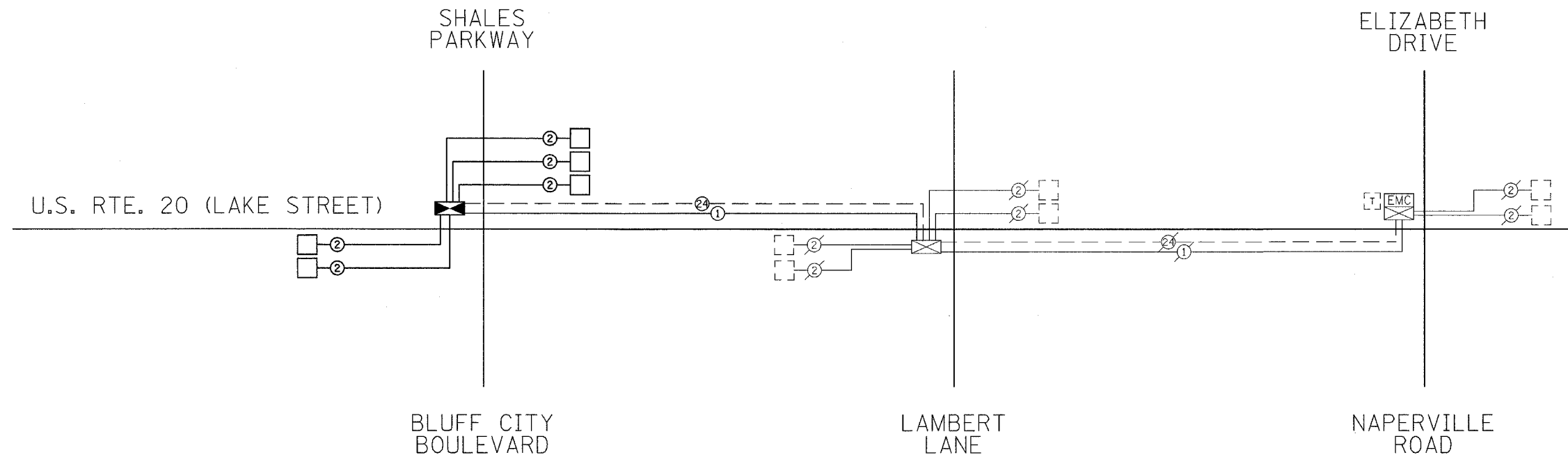
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
 U.S. RTE. 20 (LAKE STREET)
 SHALES PKWY./BLUFF CITY BLVD.
 TO LAMBERT LANE
 (SHEET 2 OF 2)

SCALE: 1"=50'
 DATE: 12/14/2007

DRAWN BY: CEC
 DESIGNED BY: BRD
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	87
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1081
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	143
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	105
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1081
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DRILL EXISTING HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2670
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2694
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL II	EACH	1

INTERCONNECT SCHEMATIC LEGEND

EXISTING INTERSECTION CONTROLLER		EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS	
PROPOSED INTERSECTION CONTROLLER		PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS	
EXISTING MASTER CONTROLLER		EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
PROPOSED MASTER CONTROLLER		PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
MASTER MASTER CONTROLLER		EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
EXISTING INTERSECTION LOOP DETECTORS		PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
PROPOSED SAMPLING (SYSTEM) DETECTORS		EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	
EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS.		PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	
EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS.		EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)	
EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)	
PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING TELEPHONE CONNECTION	
		PROPOSED TELEPHONE CONNECTION	

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

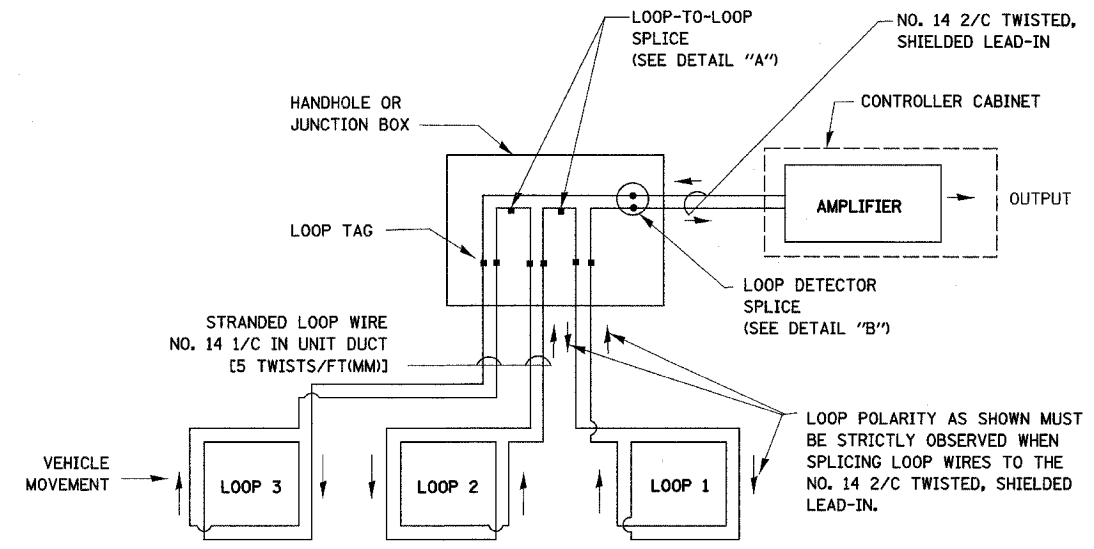
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
 U.S. RTE. 20 (LAKE STREET)
 SHALES PKWY./BLUFF CITY BLVD.
 TO LAMBERT LANE
 SCALE: NOT TO SCALE
 DATE: 12/14/2007
 DRAWN BY: CEC
 DESIGNED BY: BRD
 CHECKED BY: JUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	89
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

LOOP DETECTOR NOTES

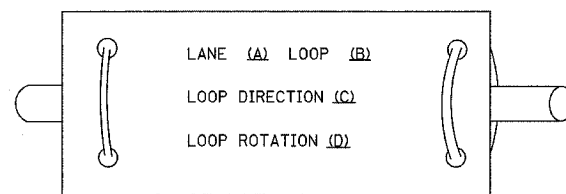
1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



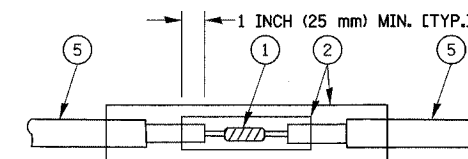
DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

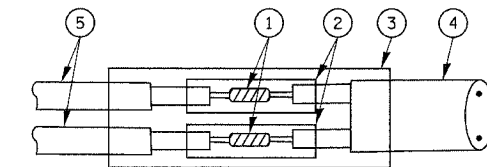
LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

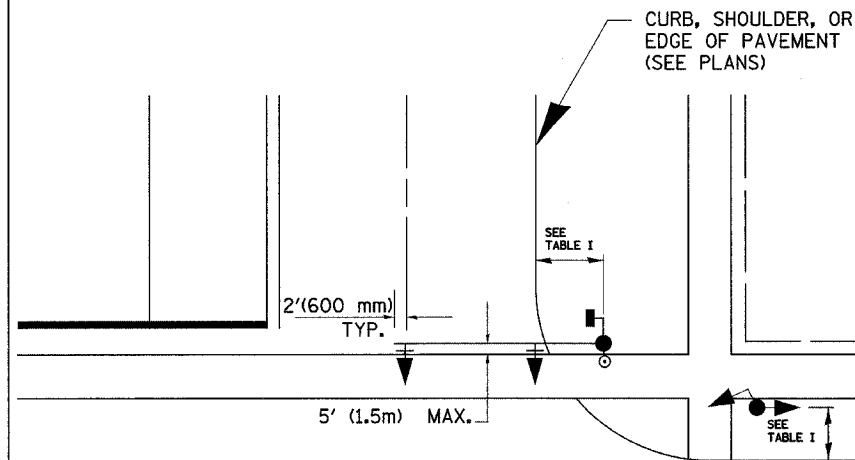
SCALE: NOT TO SCALE
DATE 1-01-02

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 1 OF 4

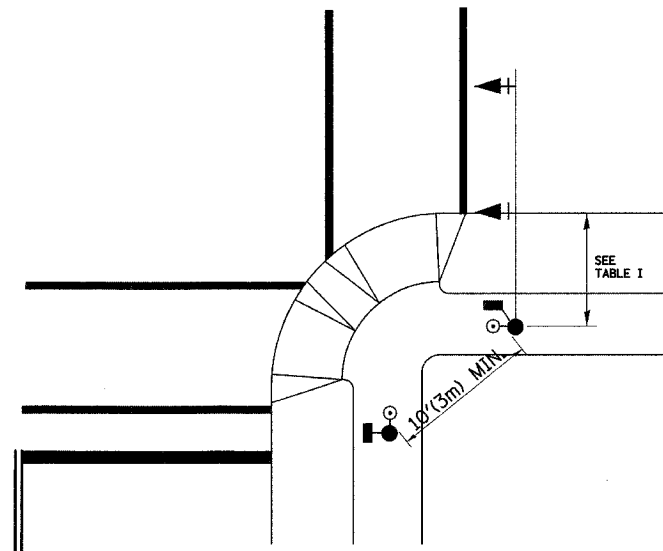
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	90
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

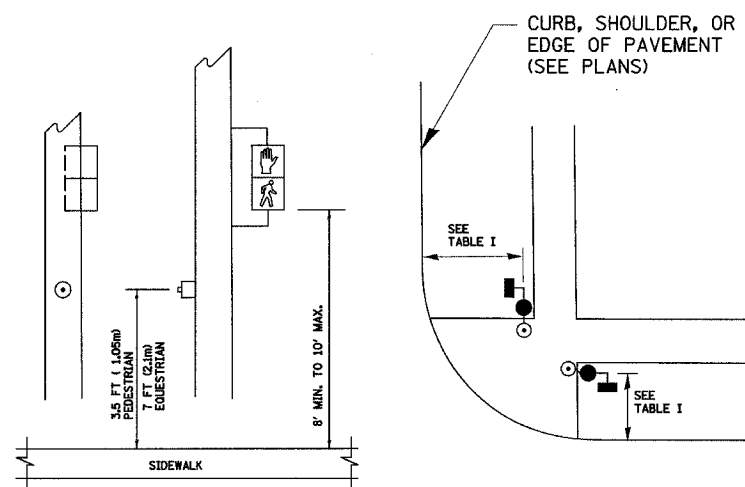


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE

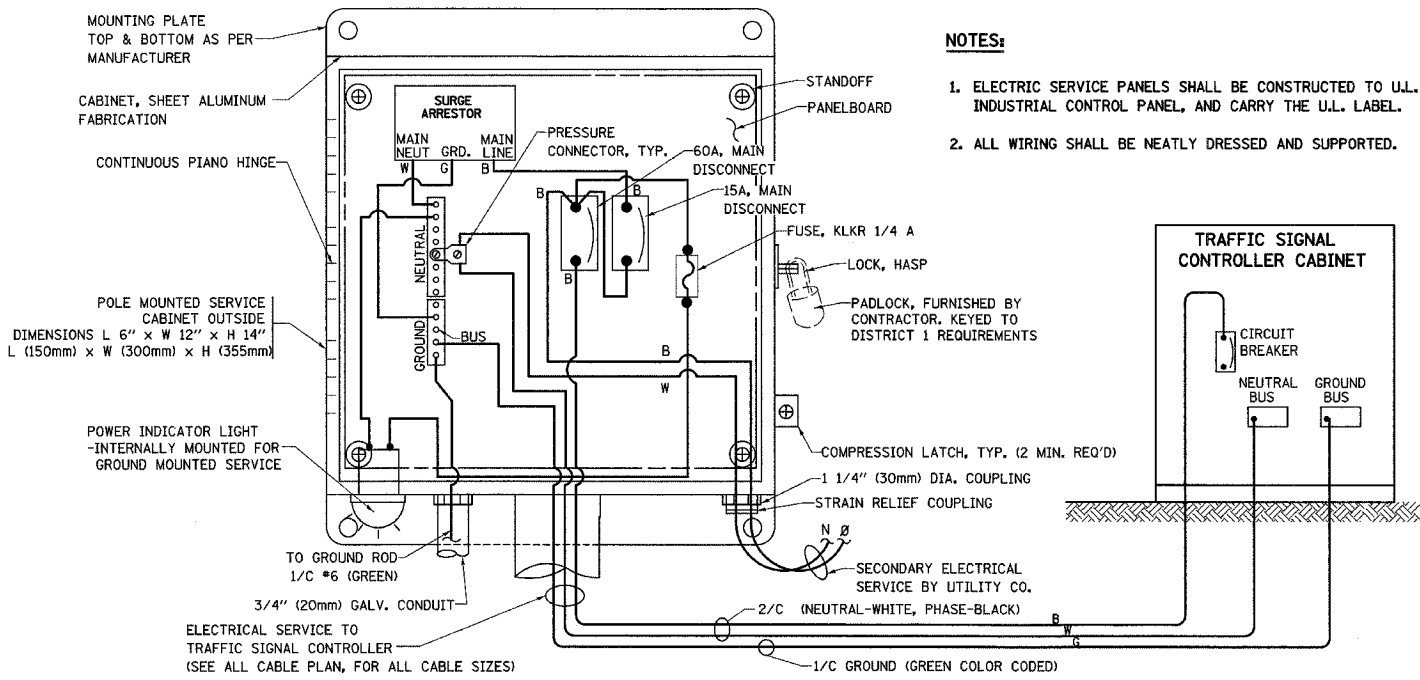
ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

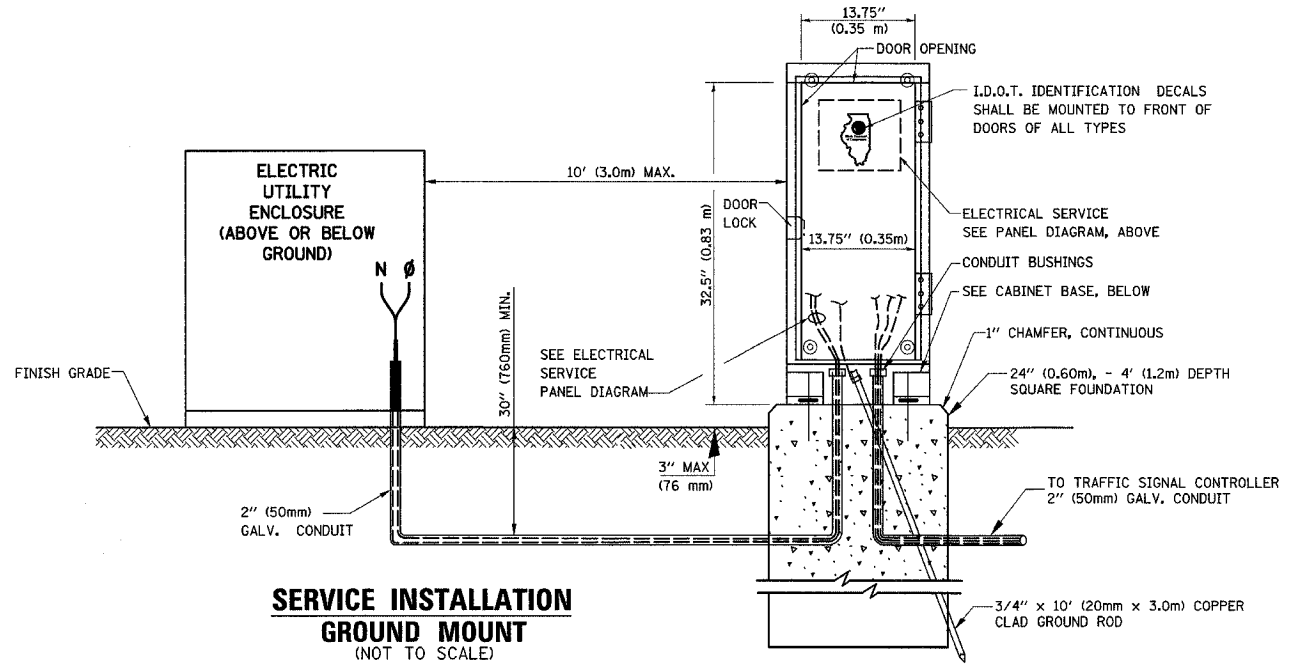
SCALE: NOT TO SCALE
DATE 1-01-02

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 2 OF 4

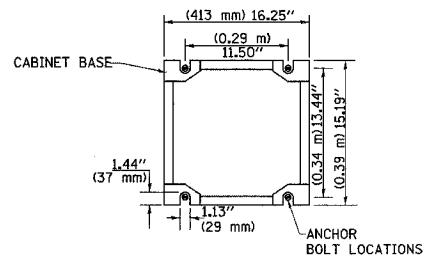
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	91
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



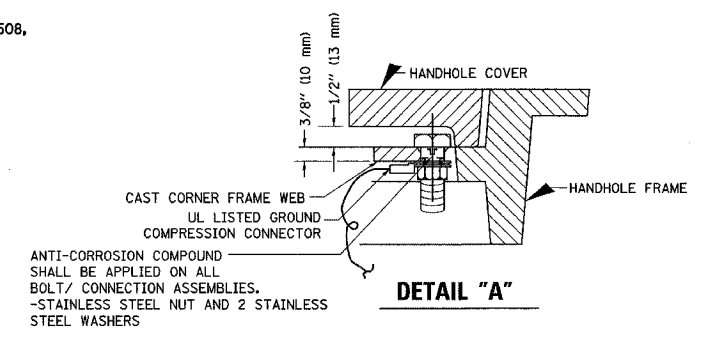
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



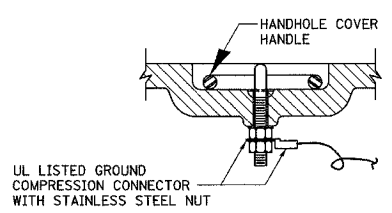
SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)



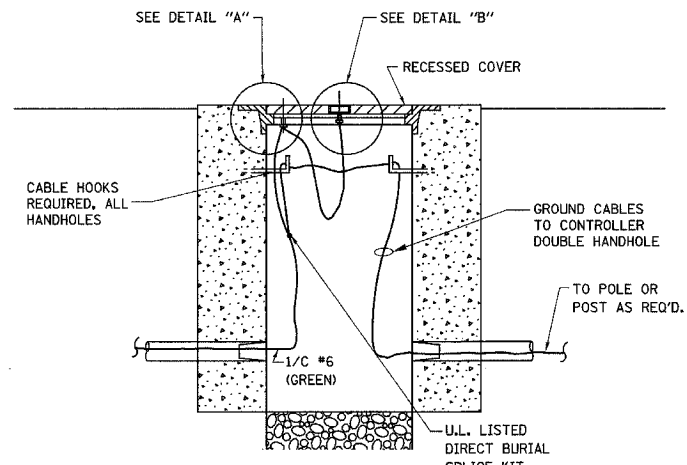
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



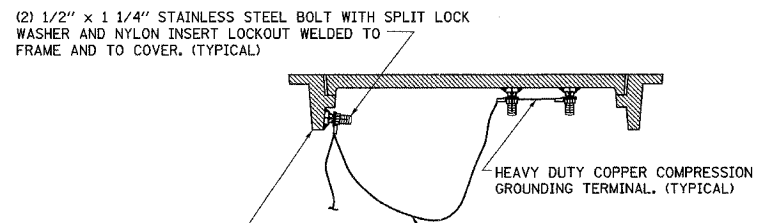
DETAIL "A"



DETAIL "B"



HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

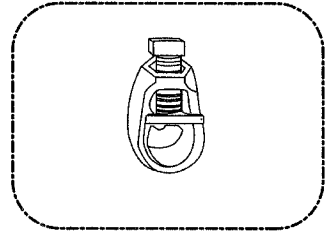
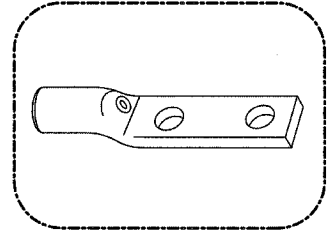


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

NOTES:

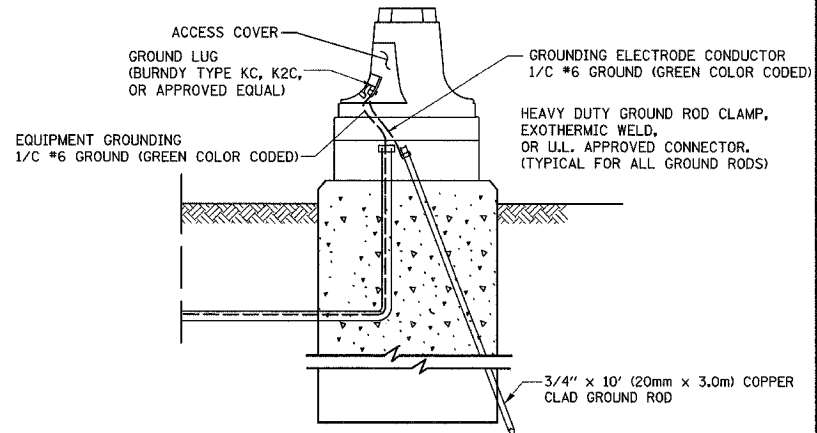
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE / POST-GROUNDING DETAIL
 (NOT TO SCALE)

REVISIONS	
NAME	DATE

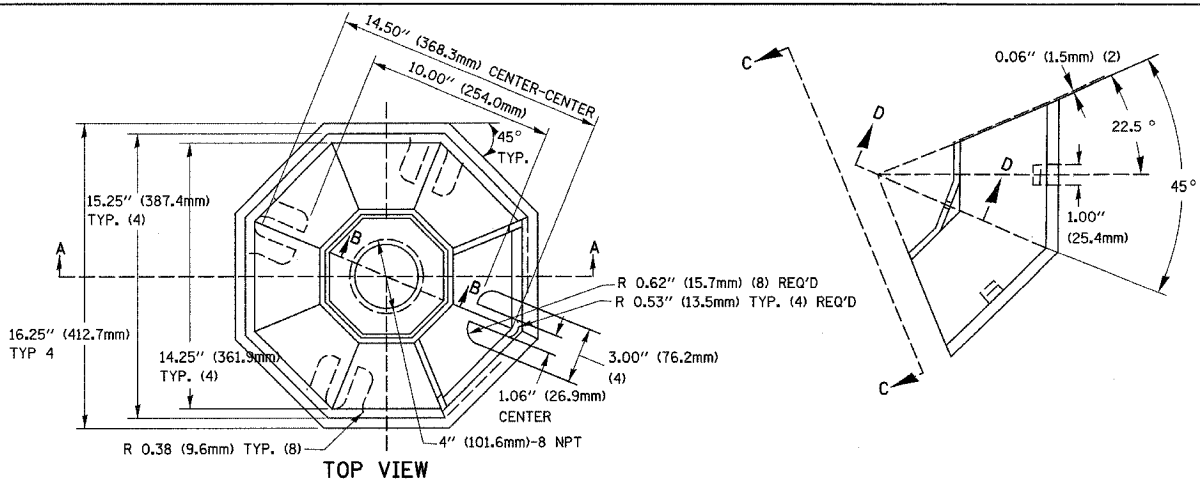
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 1
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

SCALE: NOT TO SCALE
 DATE 1-01-02

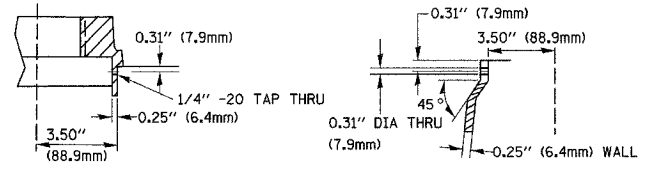
DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 3 OF 4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	92

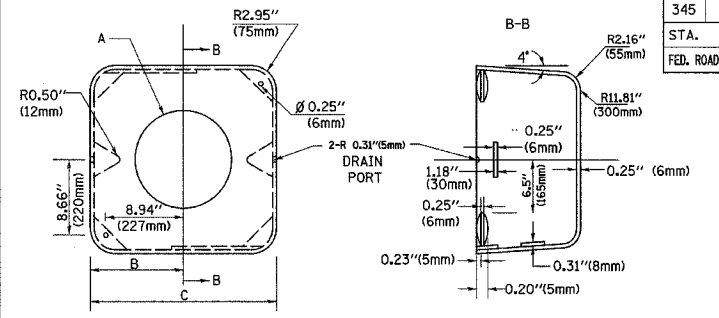
STA. TO STA.
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT



SECTION B-B



SECTION D-D

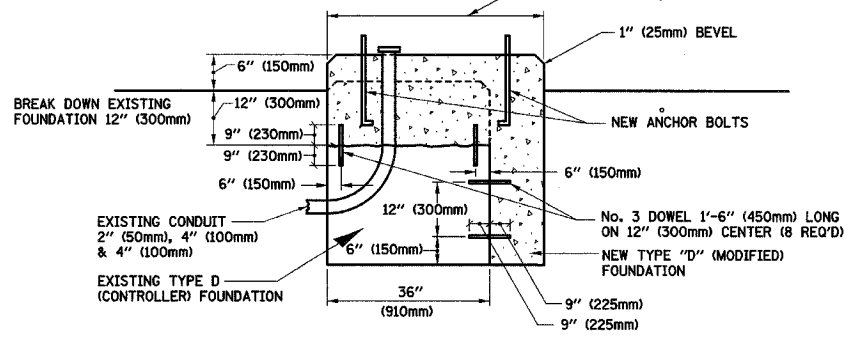


TYPE	A	B	C	HEIGHT	WEIGHT
I	∅ 10.125\"(257mm)	9.5\"(241mm)	19\"(483mm)	12\"(300mm)	24kg
II	∅ 11.125\"(283mm)	10.75\"(273mm)	21.5\"(546mm)	12\"(300mm)	26kg

SHROUD DETAIL

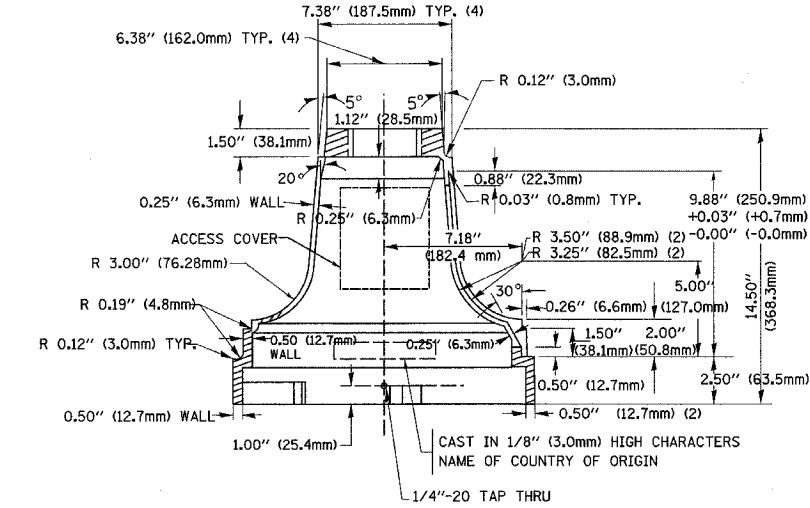
MATERIAL:
- ASTM A48 CLASS 30 GREY IRON
- ASTM A123 HOT DIPPED GALVANIZED

NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.

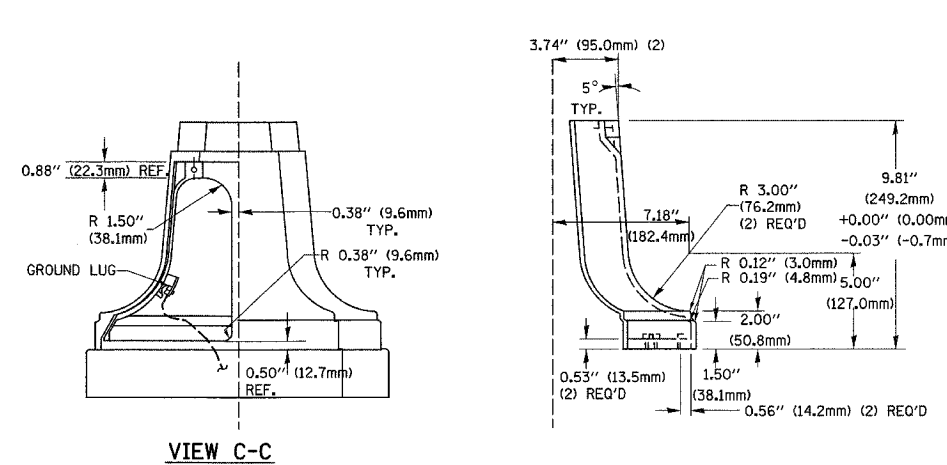


MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)

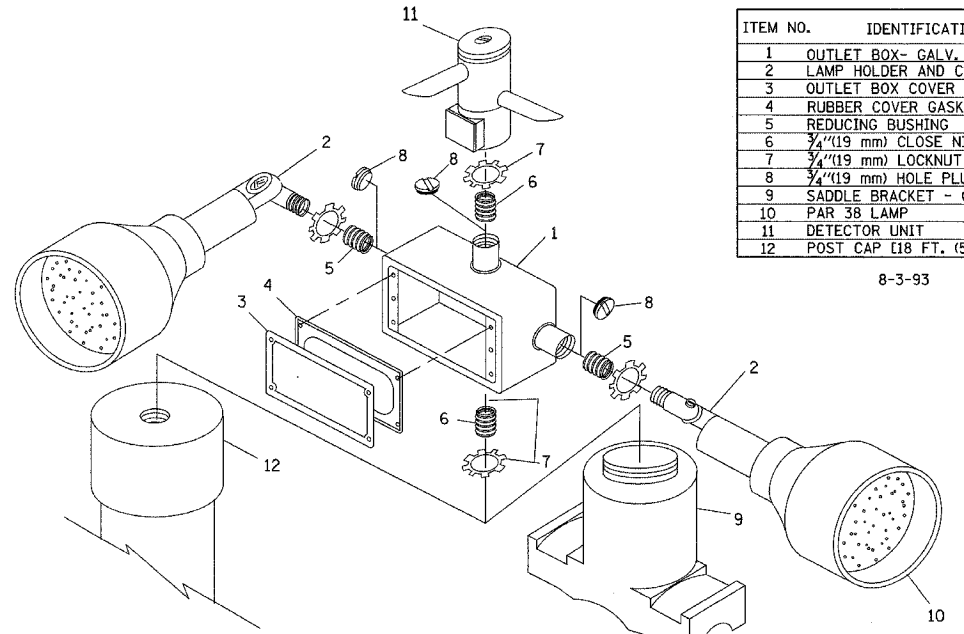


SECTION A-A



VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A

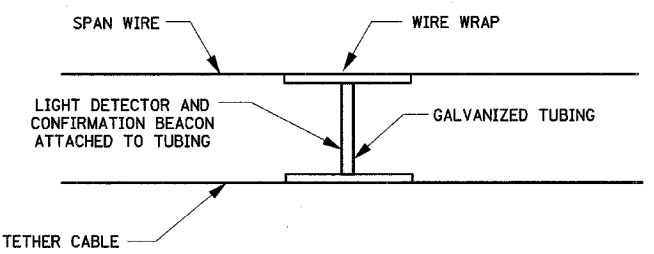


ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\"(19 mm) CLOSE NIPPLE
7	3/4\"(19 mm) LOCKNUT
8	3/4\"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

8-3-93

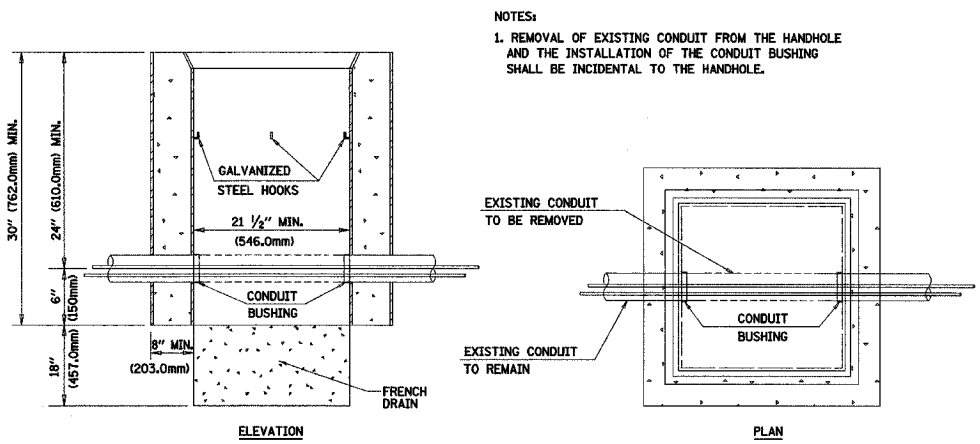
NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)



HANDHOLE TO INTERCEPT EXISTING CONDUIT

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

REVISIONS	
NAME	DATE

SCALE: NOT TO SCALE
DATE 1-01-02

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 4 OF 4

REF.
REF.
REF.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	B2-1-N-1	Cook	196	93
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

ELECTRICAL SYMBOLS FOR PROPOSED WORK

- LIGHTING UNIT:
47.5 FT. M.H., 15 FT. M.A.
400W HPS M-C-III LUMINAIRE
BREAKAWAY TRANSFORMER BASE
(MULTIPLE DESIGNATIONS AS REQ'D.)
- EXISTING LIGHTING UNIT TO REMAIN
- LOCATION OF REINSTALLED LIGHTING UNIT
- COMBINATION LIGHTING UNIT:
45 FT. M.H., 15 FT. M.A.
400W HPS M-C-III LUMINAIRE
- TWIN LIGHTING UNIT:
--- FT. M.H., 2--- FT. M.A.
--- W HPS M-C-III LUMINAIRE
BREAKAWAY TRANSFORMER BASE
- UNDERPASS LUMINAIRE:
--- WATT ---
- JUNCTION BOX, TYPE AND SIZE INDICATED
- LIGHT TOWER:
FT. MOUNTING HEIGHT
W HPS LUMINAIRE
NUMBER OF MOUNTS AS SPEC'D.
ORIENTATION ANGLE AS INDICATED
WITH 90 BEING PERPENDICULAR TO THE
ROADWAY THE TOWER IS STATIONED FROM.
HANDHOLE LOCATION AS INDICATED.
- ELECTRIC CONNECTION TO SIGN STRUCTURE
CANTILEVER SIGN STRUCTURE
- ELECTRIC CONNECTION TO SIGN STRUCTURE
TRUSS TYPE SIGN STRUCTURE
- ELECTRIC CONNECTION TO SIGN STRUCTURE
BRIDGE MOUNTED SIGN
- AERIAL ELECTRIC CABLE, 3-1/C #2 ALUMINUM
WITH MESSENGER WIRE
- UNIT DUCT AS INDICATED BY CALL OUT
- RIGID GALVANIZED STEEL CONDUIT,
PVC COATED, ATTACHED TO STRUCTURE
DIAMETER AND NUMBER & TYPE OF
CONDUCTORS AS INDICATED
- RIGID GALVANIZED STEEL CONDUIT
BELOW GRADE, DIAMETER AND
LENGTH AS INDICATED.
- DUCT BANK:
---" DIA. PVC CONDUIT
--- H X --- W ENCASED
IN CONCRETE.
- LIGHTING CONTROLLER, DUPLEX
(DOOR SIDE AS INDICATED)
- UTILITY SERVICE CONNECTION, POLE MOUNTED
- UTILITY SERVICE CONNECTION, PAD MOUNTED
- GROUND ROD
- TEMPORARY LIGHTING UNIT:
50 FT. M.H., 15 FT. M.A.
400W HPS M-C-III LUMINAIRE
- TEMPORARY LIGHTING UNIT:
70 FT. M.H., 15 FT. M.A.
750W HPS M-C-III LUMINAIRE

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

- GENERAL DESIGNATIONS**
- E EXISTING EQUIPMENT TO REMAIN
 - R EXISTING EQUIPMENT TO BE REMOVED
 - EXISTING LIGHTING UNIT TO REMAIN
 - EXISTING COMBINATION LIGHTING UNIT TO REMAIN
 - EXISTING LIGHTING UNIT, TWIN LUMINAIRE,
TO REMAIN
 - TEMPORARY LIGHTING UNIT
 - EXISTING LIGHTING UNIT TO BE REMOVED
AND RELOCATED
 - EXISTING LIGHTING UNIT TO BE REMOVED
 - EXISTING UNDERPASS LUMINAIRE
 - TEMPORARY LIGHTING UNIT TO BE REMOVED
 - EXISTING TEMPORARY LIGHTING UNIT
TO BE REMOVED AND REINSTALLED
 - LOCATION OF REINSTALLED TEMPORARY LIGHTING UNIT
 - EXISTING TEMPORARY LIGHTING UNIT
 - EXISTING ELECTRIC CONNECTION TO SIGN
STRUCTURE, CANTILEVER TYPE
 - EXISTING ELECTRIC CONNECTION TO SIGN,
STRUCTURE, TRUSS TYPE
 - EXISTING ELECTRIC CONNECTION TO SIGN
STRUCTURE, BRIDGE MOUNT TYPE
 - EXISTING UNIT DUCT TO BE ABANDONED
 - EXISTING EXPOSED CONDUIT
 - EXISTING UNIT DUCT
 - EXISTING JUNCTION BOX
 - EXISTING LIGHTING CONTROLLER, DUPLEX
 - EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
 - EXISTING UTILITY SERVICE CONNECTION, PAD MOUNTED

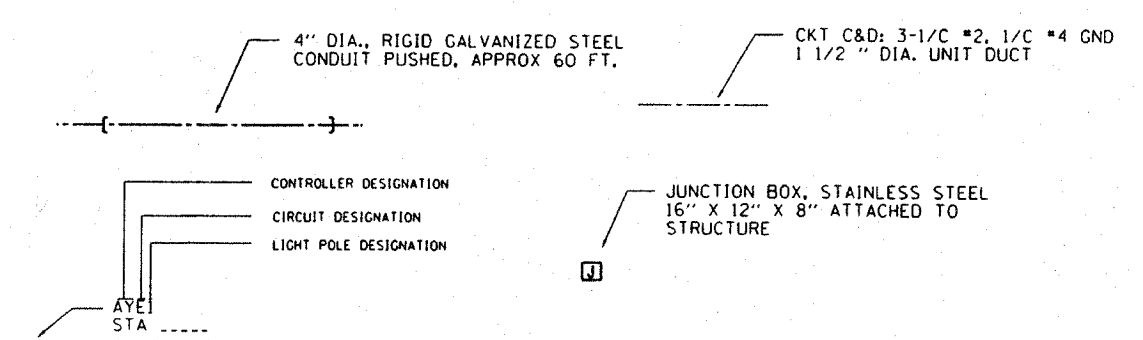
GENERAL ELECTRICAL PLAN NOTES

1. THE CONTRACTOR SHALL REQUEST A FORMAL MAINTENANCE TRANSFER BEFORE ANY WORK, LIGHTING OR OTHER, BEGINS. THE CONTRACTOR SHALL CONTACT THE ELECTRICAL MAINTENANCE OFFICE AT (847) 221-3079
2. TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRE. NOTE THAT THE LIGHT POLES WILL NOT PAID FOR UNTIL THE POLES ARE FULLY APPROVED AND THE LUMINAIRE ARE INSTALLED.
3. THE QUANTITIES OF RACEWAYS WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
4. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH JUNCTION BOX AND PULL BOX THE CONDUCTORS PASS THROUGH. JUNCTION BOXES SHALL BE EQUIPPED WITH GROUND LUGS FOR GROUND WIRE TERMINATION WITHOUT DEGRADATION OF THE JUNCTION BOX RATING
5. ALL RELOCATED AND NEW LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 12 FEET FROM EDGE OF TRAVELED PAVEMENT OR BACK OF CURB. (UNLESS OTHERWISE NOTED)
6. SYSTEM VOLTAGE IS 240/480V, 3 WIRE, SINGLE PHASE. LUMINAIRE BALLAST SHALL BE CONNECTED AT 240V.

TEMPORARY LIGHTING PLAN NOTES:

1. ALL TEMPORARY WOOD LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 17 FEET FROM PROPOSED EDGE OF TRAVELED PAVEMENT.
2. AT NO TIME SHALL THE ROADWAY BE LEFT UNLIT. THE TEMPORARY LIGHTING SHALL BE INSTALLED AS SHOWN ON THE STAGE 1 PLANS BEFORE EXISTING LIGHTING IS REMOVED.
3. ONCE THE TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL TO THE SATISFACTION OF THE ENGINEER, THE EXISTING LIGHT POLES TO BE RELOCATED SHALL BE REMOVED AND STORED.
4. ALL RELOCATED AND NEW LIGHT POLES WITHIN THE PROJECT LIMITS SHALL BE OPERATIONAL BEFORE THE START OF STAGE 2 CONSTRUCTION. ONCE COMPLETE ALL TEMPORARY LIGHT POLES SHALL BE REMOVED EXCEPT TEMPORARY LIGHT POLES TE3, TE7, TF6, AND TF8. THESE TEMP. POLES SHALL BE REMOVED ONCE THE PROPOSED COMBINATION LIGHT POLES ARE INSTALLED AND OPERATIONAL.

GENERAL ELECTRICAL CALLOUTS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

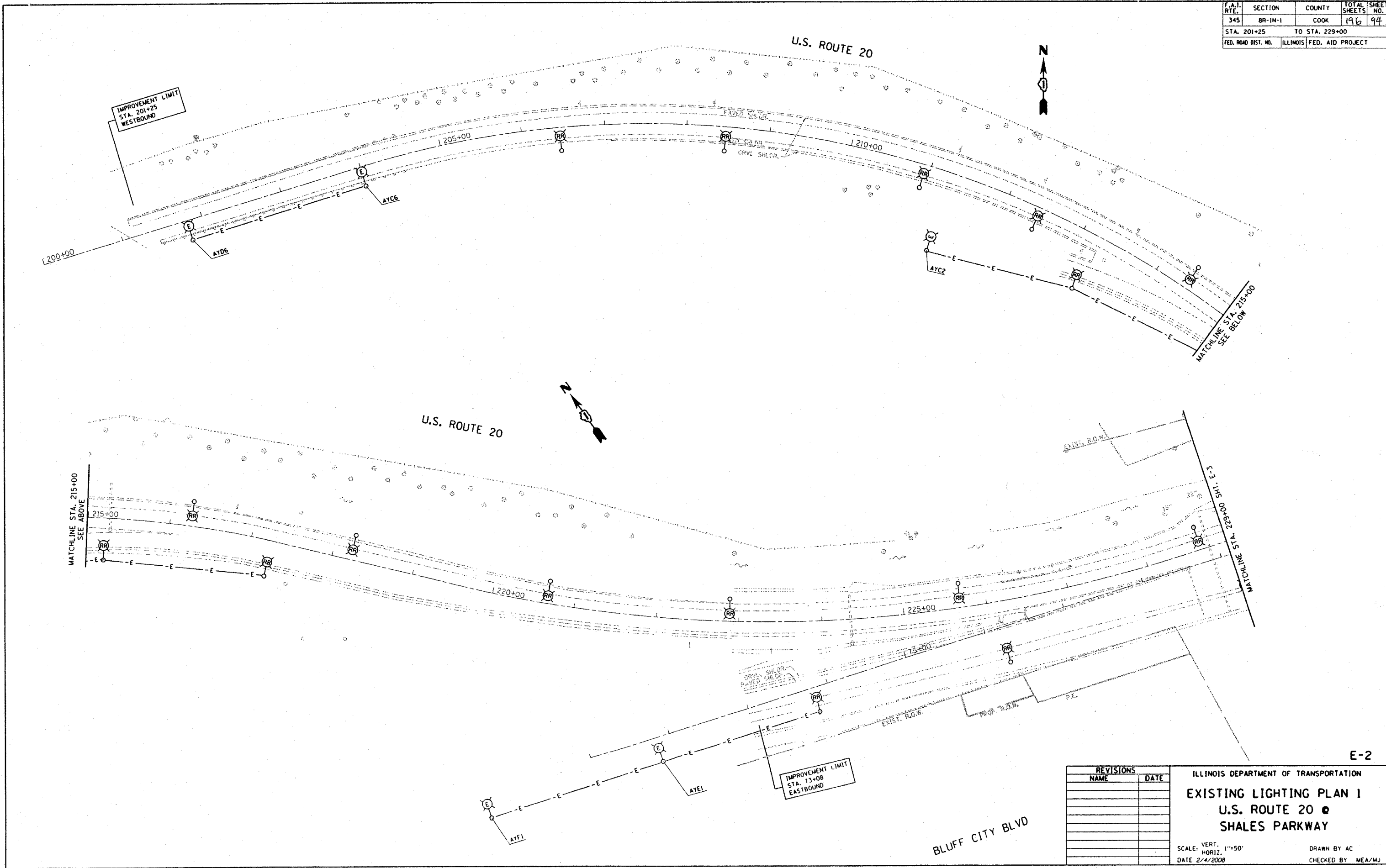
**U.S. ROUTE 20 @
SHALES PARKWAY**

LIGHTING SYMBOLS AND NOTES

SCALE: VERT. NONE
HORIZ. NONE
DATE 2/4/2008

DRAWN BY AC
CHECKED BY MEA/MJ

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-IN-1	COOK	196	94
STA. 201+25		TO STA. 229+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



E-2

REVISIONS	
NAME	DATE

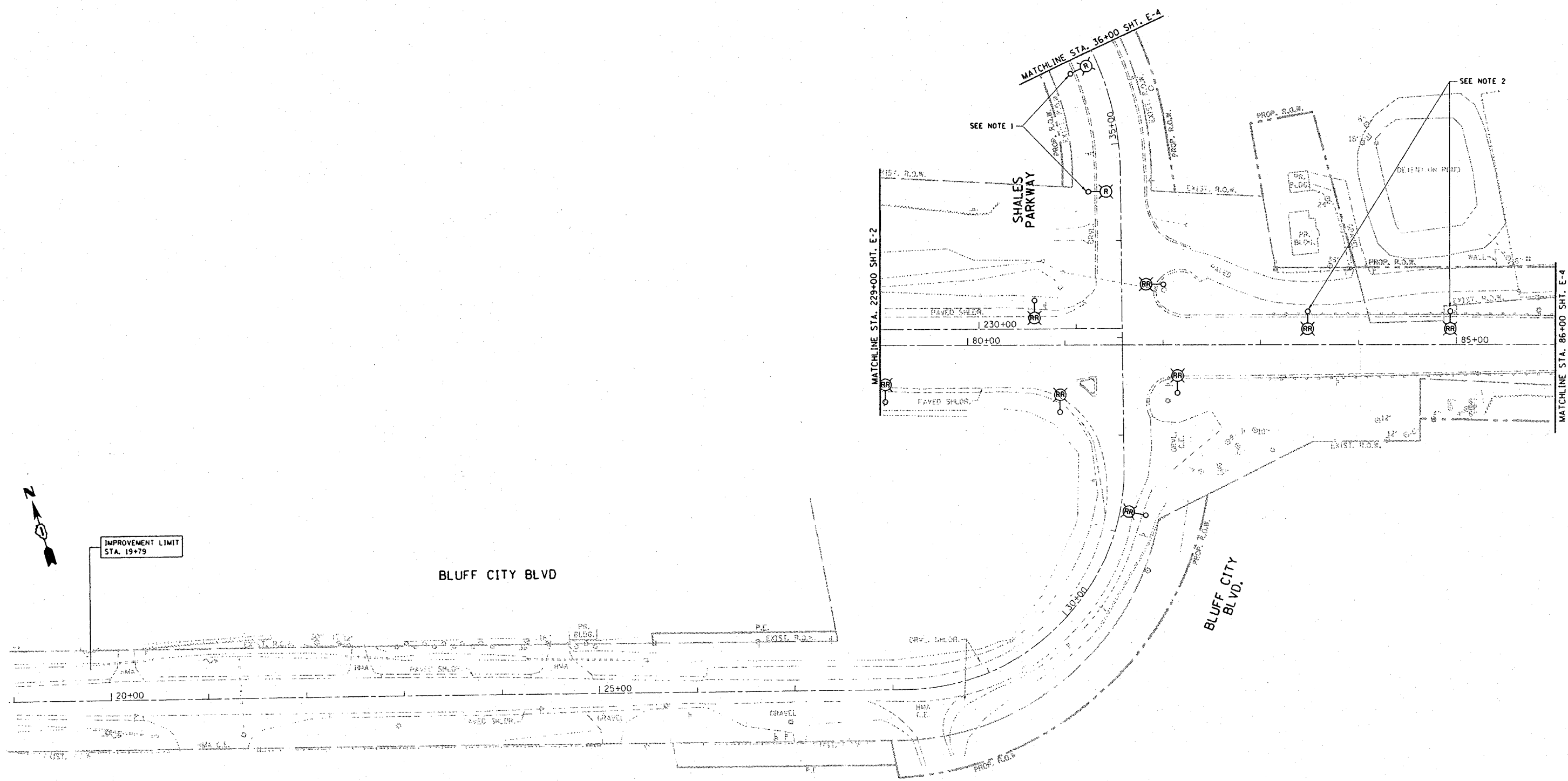
ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING LIGHTING PLAN 1
U.S. ROUTE 20
SHALES PARKWAY

SCALE: VERT. 1"=50'
 HORIZ. DATE 2/4/2008

DRAWN BY AC
 CHECKED BY MEA/MJ

PLOT DATE : 2/4/2008
 FILE NAME : c:\pwworkspace\113703\sh_lighting.dgn
 USER NAME : greggjanobl

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-IN-1	COOK	196	95
STA. 229+00		TO STA. 86+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



BLUFF CITY BLVD

BLUFF CITY BLVD.

SHALES PARKWAY

IMPROVEMENT LIMIT
STA. 19+79

NOTES:

- CONTRACTOR TO REMOVE AND TRANSPORT LIGHT POLES TO THE CITY OF ELGIN LOCATION AS DESIGNATED BY THE ENGINEER.
- THE EXISTING MAST ARMS SHALL BE REMOVED AND REPLACED WITH 15 FOOT MAST ARMS FROM STATE STOCK. THIS WORK SHALL BE INCLUDED AS PART OF THE "RELOCATION OF EXISTING LIGHTING UNIT" PAY ITEM.

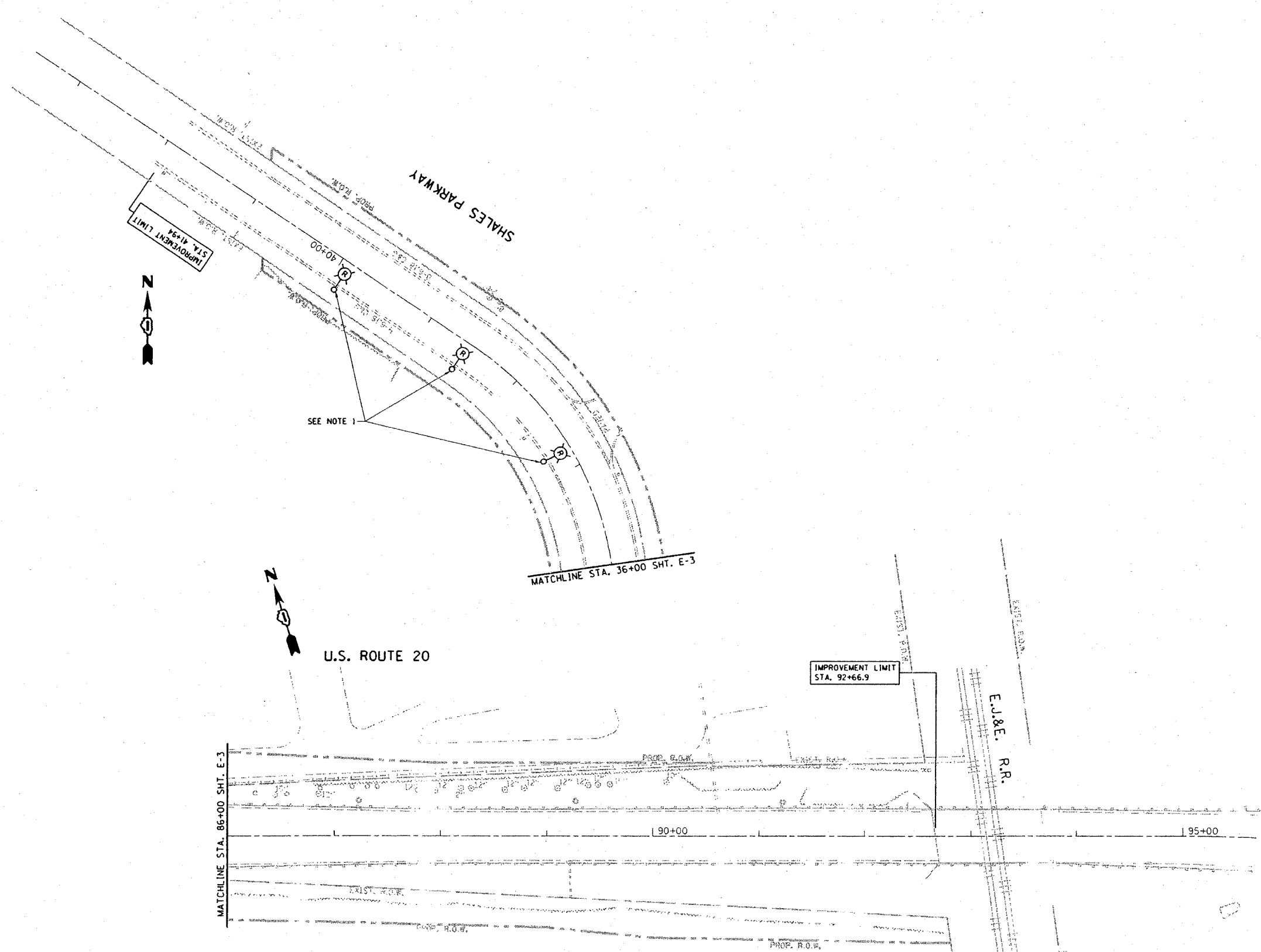
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING LIGHTING PLAN 2
U.S. ROUTE 20 @
SHALES PARKWAY

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 2/4/2008
DRAWN BY AC
CHECKED BY MEA/MJ

PLOT DATE : 2/4/2008
FILE NAME : s:\projects\11783\shales_lighting.dgn
USER NAME : greggfanob

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-IN-1	COOK	196	96
STA. 86+00		TO STA. 92+66.9		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE NOTE 1

IMPROVEMENT LIMIT
STA. 92+66.9

NOTE:
1. CONTRACTOR TO REMOVE AND TRANSPORT LIGHT POLES TO THE CITY OF ELGIN
LOCATION AS DESIGNATED BY THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING LIGHTING PLAN 3
U.S. ROUTE 20 @
SHALES PARKWAY

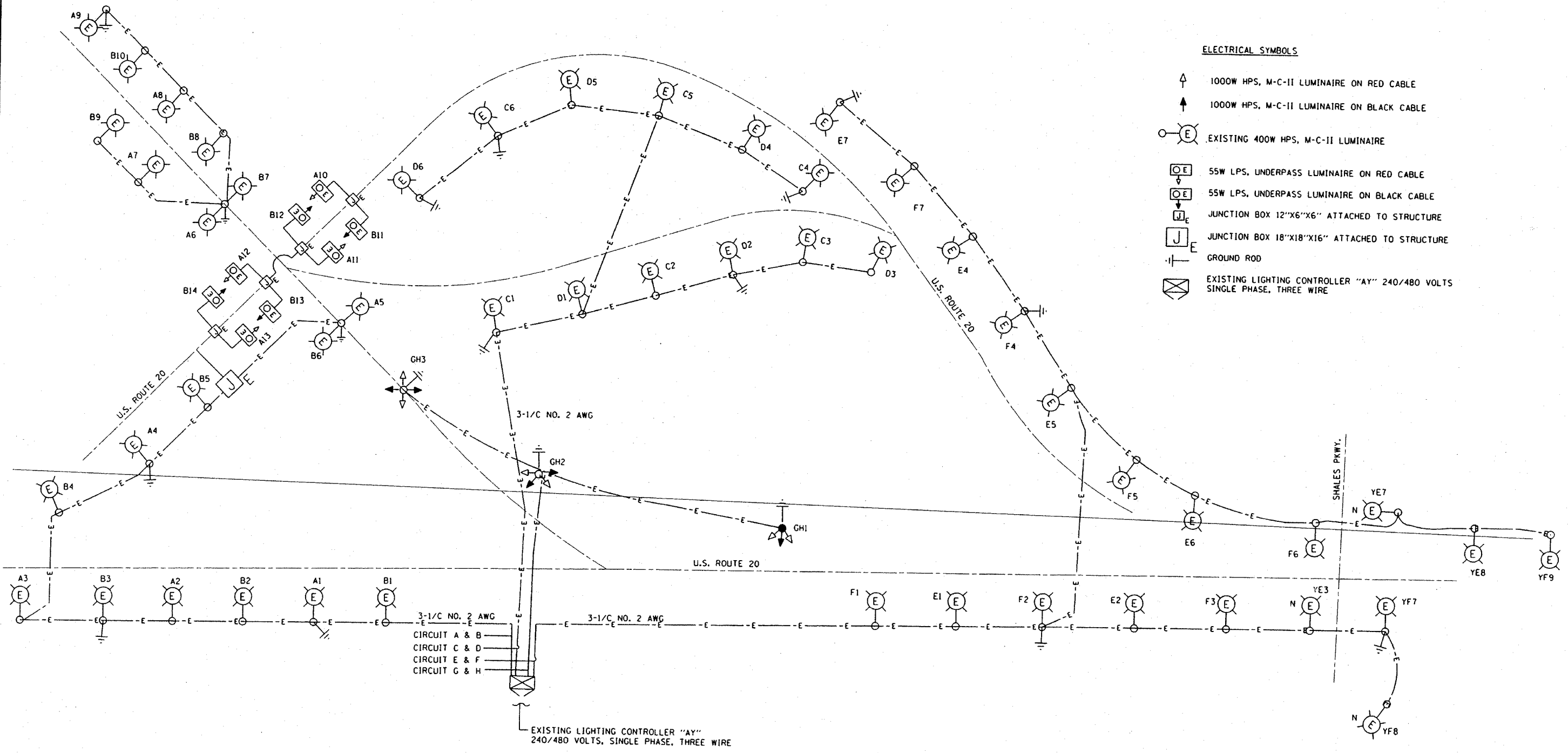
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 2/4/2008
DRAWN BY AC
CHECKED BY MEA/MJ

PLOT DATE : 2/4/2008
FILE NAME : c:\p\projects\113703\sh_lighting.dgn
PLOT SCALE : 1/8"=1'-0"
USER NAME : greg@mead

F.A.I. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-IN-1	COOK	196	97
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ELECTRICAL SYMBOLS

- ↑ 1000W HPS, M-C-II LUMINAIRE ON RED CABLE
- ↑ 1000W HPS, M-C-II LUMINAIRE ON BLACK CABLE
- ⊙ E EXISTING 400W HPS, M-C-II LUMINAIRE
- ⊙ OE 55W LPS, UNDERPASS LUMINAIRE ON RED CABLE
- ⊙ OE 55W LPS, UNDERPASS LUMINAIRE ON BLACK CABLE
- ⊙ JE JUNCTION BOX 12"X6"X6" ATTACHED TO STRUCTURE
- ⊙ JE JUNCTION BOX 18"X18"X16" ATTACHED TO STRUCTURE
- ⊙ E GROUND ROD
- ⊙ E EXISTING LIGHTING CONTROLLER "AY" 240/480 VOLTS SINGLE PHASE, THREE WIRE



PLOT DATE 2/4/2008
 FILE NAME c:\projects\62617\br-in-1\lighting.dwg
 USER meae
 PLOTTER HP DesignJet 2400

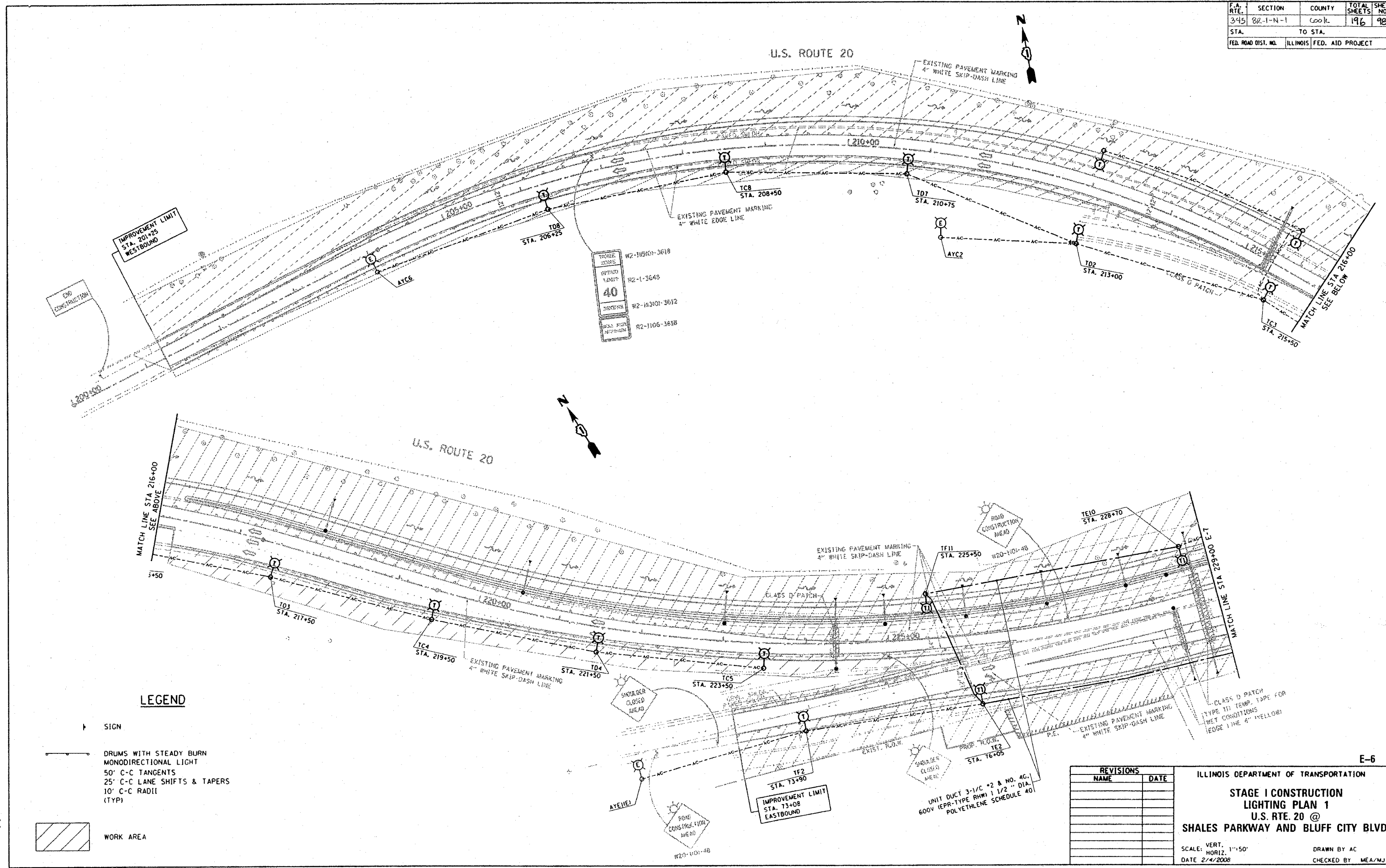
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXISTING U.S. ROUTE 20 @
 SHALES PARKWAY
 WIRING DIAGRAM**

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 2/4/2008






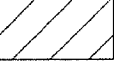
DRAWN BY AC
 CHECKED BY MEA/MJ

CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
345	82-1-N-1	COOK	196
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



TRAFFIC ZONE	R2-103101-3618
OFFSHOULDER	R2-1-3648
TRAFFIC SIGN	R2-103101-3612
SMALL SIGN	R2-1106-3618

LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  50' C-C TANGENTS
-  25' C-C LANE SHIFTS & TAPERS
-  10' C-C RADII (TYP)
-  WORK AREA

REVISIONS	
NAME	DATE

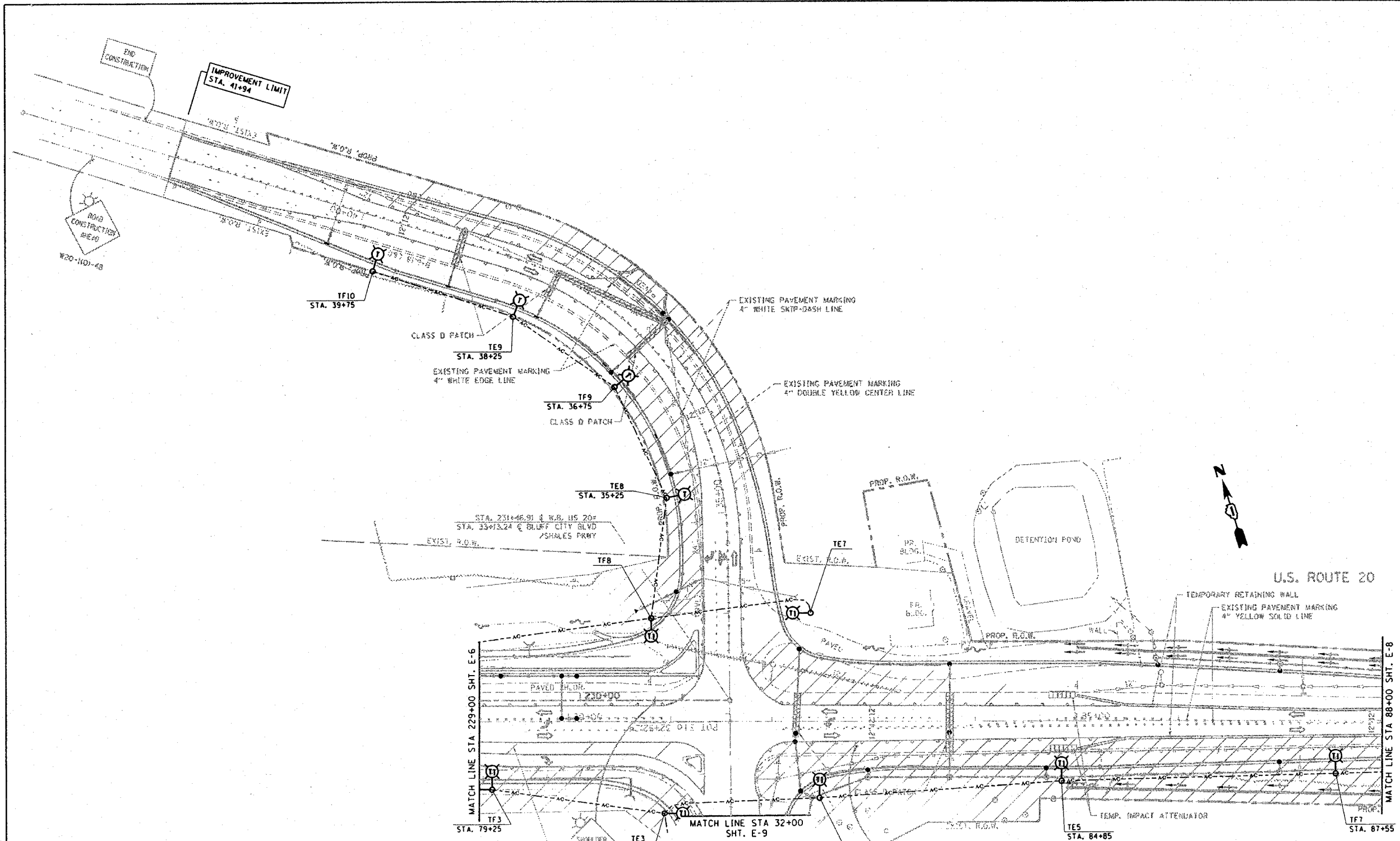
ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I CONSTRUCTION LIGHTING PLAN 1
U.S. RTE. 20 @ SHALES PARKWAY AND BLUFF CITY BLVD.

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 2/4/2008

DRAWN BY AC
 CHECKED BY MEA/MJ

PLOT DATE : 2/4/2008
 FILE NAME : c:\projects\113703\sh_stage.dgn
 PLOT SCALE : 1/8"=1'-0"
 USER NAME : gregjano

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	Cook	196	99
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- SIGN
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
- WORK AREA

TYPE III TEMP. TAPE FOR WLT CONDITIONS LINE 12 DIAGONAL YELLOW (TYP.)

WATER CURB	R2-1050-3618
WHEEL	R2-1-3648
POST	R2-1030-3612
POST	R2-1105-3618

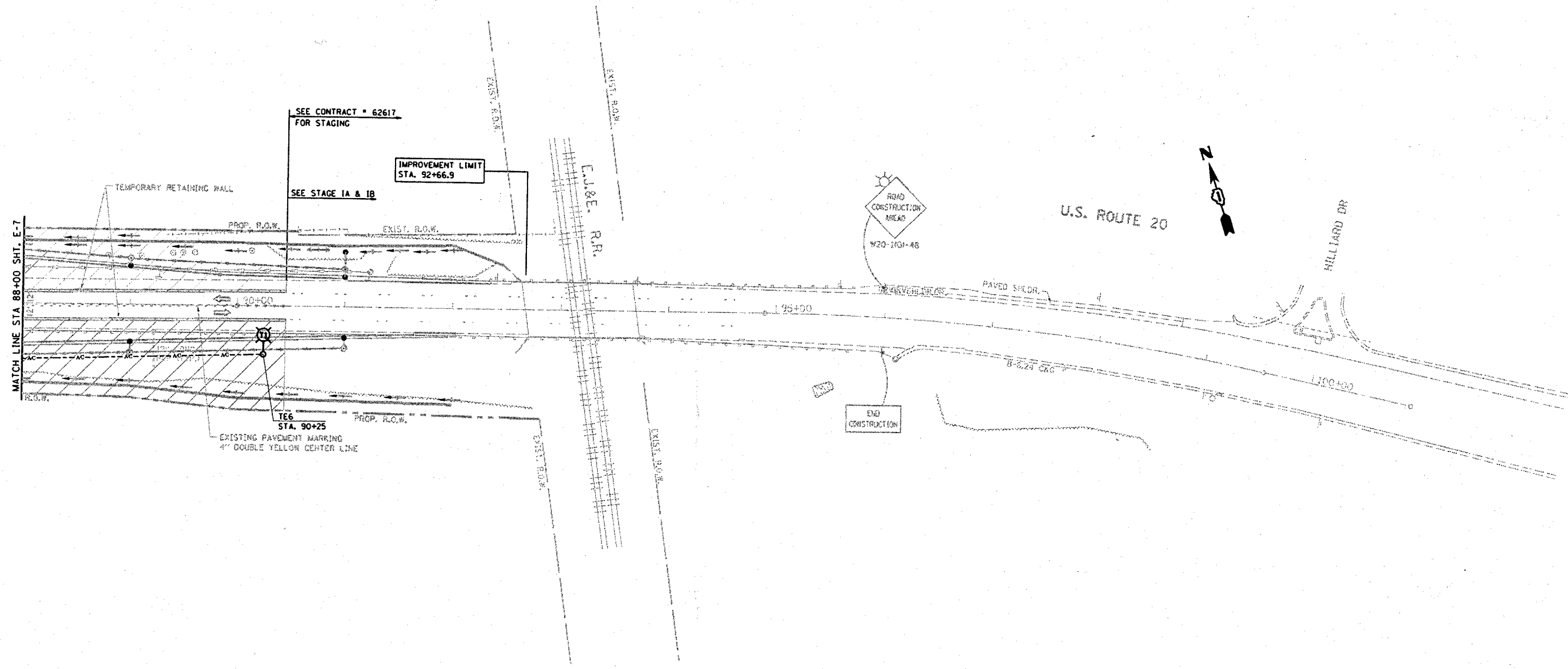
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I CONSTRUCTION LIGHTING PLAN 2
U.S. RTE. 20 @ SHALES PARKWAY AND BLUFF CITY BLVD.
 SCALE: VERT. 1"=50'
 HORIZ. DATE 2/4/2008
 DRAWN BY AC
 CHECKED BY MEA/MJ




PLOT DATE : 2/4/2008
 FILE NAME : I:\projects\113703\stage.dgn
 USER NAME : gmagliano

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	82-1-N-1	Cook	196	100
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE:
 COVER EXISTING CONFLICTING PAVEMENT MARKINGS WITH BLACK TYPE III TAPE. THE COST AND ITS REMOVAL IS INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)"



LEGEND

-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
-  WORK AREA

PLOT DATE : 3/25/2008
 FILE NAME : c:\projects\113703\sh_stage.dgn
 PLOT SCALE : 1/8"=50'
 USER NAME : gajlambert

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I CONSTRUCTION LIGHTING PLAN 3
U.S. RTE. 20 @ SHALES PARKWAY AND BLUFF CITY BLVD.
 SCALE: VERT. 1"=50'
 HORIZ. DATE 3/25/2008
 DRAWN BY AC
 CHECKED BY MEA/MJ