

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	1
	09-00047-01-PV	ILLINOIS	CONTRACT NO. 89526	

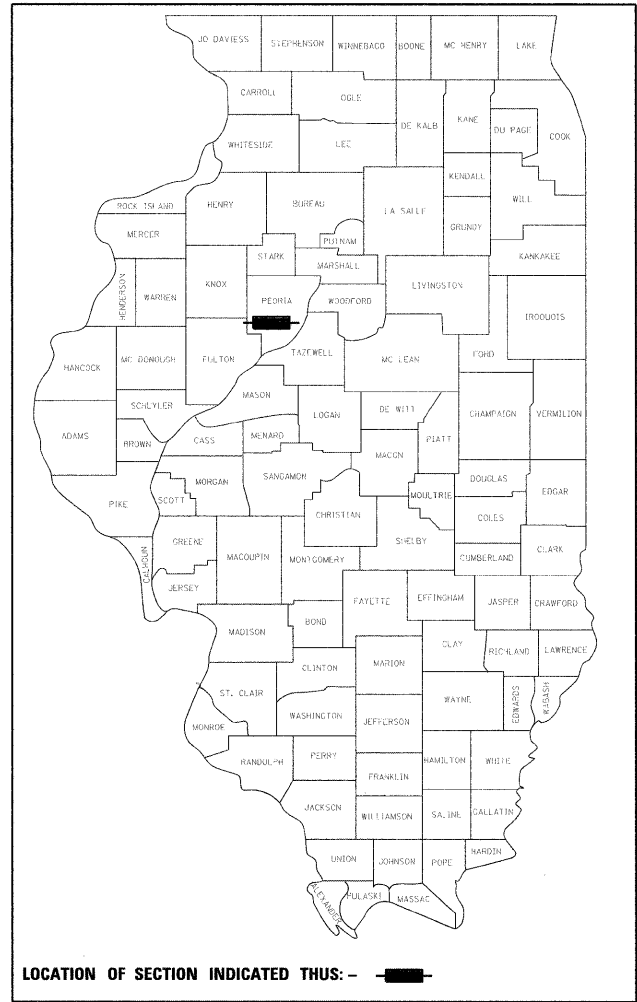
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED AMERICAN RECOVERY AND REINVESTMENT ACT

PROJECT ARA- 5093(154)
SECTION 08-00302-00-PV
COUNTY SECTION 09-00047-01-PV
PEORIA COUNTY, CITY OF PEORIA
FAU ROUTE 6647 (NORTHMOOR RD.)
JOB C-94-104-09

INDEX OF SHEETS

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LUCINDA A. LOOS
REGISTERED PROFESSIONAL ENGINEER
062-056268

Lucinda A. Loos

DATE SIGNED: 10/13/2009
LIC. EXP. DATE: 11/30/2009

SHEETS 1-23, 28-40, 55-85

ERNEST ROBERT
REGISTERED PROFESSIONAL ENGINEER
062-056330

Ernest Robert

DATE SIGNED: 10/13/2009
EXPIRES: 11/30/2009

SHEETS 24-27

KURT N. BIALOBRESKI
REGISTERED PROFESSIONAL ENGINEER
062-058674

Kurt N. Bialobreski

DATE SIGNED: 10/14/2009
LIC. EXP. DATE: 11/30/2009

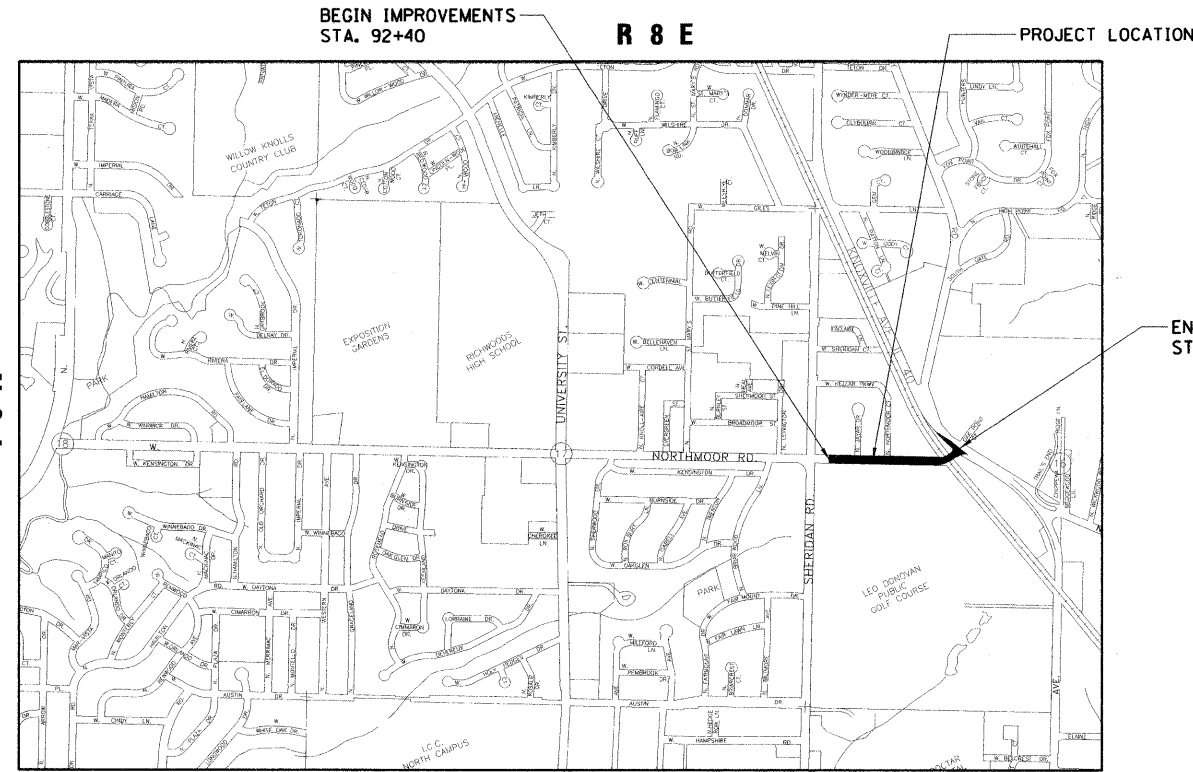
SHEETS 41-45

RYAN D. NATION
REGISTERED PROFESSIONAL ENGINEER
062-066991

Ryan D. Nation

DATE SIGNED: 10/13/09
LIC. EXP. DATE: 11/30/09

SHEETS 46-54



FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
DESIGN SPEED: 40 MPH
DESIGN TRAFFIC: 8300 (2031)

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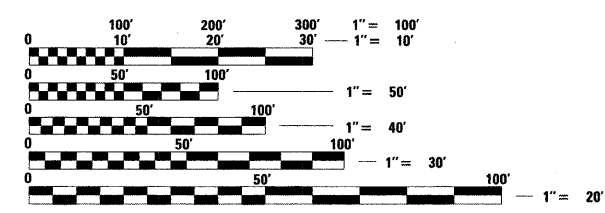
APPROVED *Jm* October 14 20 09
Jeffrey M. Smith
CITY ENGINEER

APPROVED *Thomas J. McFarland* October 14 20 09
COUNTY ENGINEER

PASSED *David C. Paine* November 9 20 09
DISTRICT FOUR ENGINEER OF
LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review *November 9* 20 09
DEPUTY DIRECTOR OF HIGHWAYS,
REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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.

CONTRACT NO. 89526

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

CAT# 034239-03D

DATE: 10/13/09

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HANSON
Hanson Professional Services Inc.
2900 West Willow Knolls Road
Peoria, Illinois 61614
Offices Nationwide

ITEM NUMBER	ITEM	UNIT	QUANTITY			
			TOTAL	I000-2A	Y030-1E	Y031-1F
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	70	70		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	128	128		
20101000	TEMPORARY FENCE	FOOT	1,300	1,300		
20101100	TREE TRUNK PROTECTION	EACH	10	10		
20200100	EARTH EXCAVATION	CU YD	6,100	6,100		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	150	150		
20700110	POROUS GRANULAR EMBANKMENT	TON	300	300		
20800150	TRENCH BACKFILL	CU YD	2,744	2,744		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	450	450		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	6,818	6,818		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	109	109		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	109	109		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	109	109		
25200100	SODDING	SQ YD	3,197	3,197		
25200110	SODDING, SALT TOLERANT	SQ YD	2,677	2,677		
25200200	SUPPLEMENTAL WATERING	UNIT	18	18		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	141	141		
28000305	TEMPORARY DITCH CHECKS	FOOT	117	117		
28000400	PERIMETER EROSION BARRIER	FOOT	1,313	1,313		
28000500	INLET AND PIPE PROTECTION	EACH	2	2		
28000510	INLET FILTERS	EACH	31	31		
28100207	STONE RIPRAP, CLASS A4	TON	32	32		
28200200	FILTER FABRIC	SQ YD	61	61		
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	6,523	6,523		
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	33	33		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	362	362		
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GAL	4,388	4,388		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	103	103		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,411	2,411		
40603230	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	954	954		
40603535	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	861	861		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	41	41		
42001300	PROTECTIVE COAT	SQ YD	1,390	1,390		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	241	241		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	257	257		
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	16,889	16,889		
42400800	DETECTABLE WARNINGS	SQ FT	163	163		
44000100	PAVEMENT REMOVAL	SQ YD	6,986	6,986		
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	452	452		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,092	1,092		
44000300	CURB REMOVAL	FOOT	431	431		
44000600	SIDEWALK REMOVAL	SQ FT	299	299		
44002805	ISLAND REMOVAL	SQ FT	341	341		
44200114	PAVEMENT PATCHING, TYPE IV, 9 INCH	SQ YD	79	79		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	372	372		
50105225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	522	522		
54213445	END SECTIONS, 10"	EACH	1	1		
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	1		
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2		
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	262.5	262.5		
55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 15"	FOOT	15.5	15.5		
55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 12"	FOOT	457.5	457.5		
55021700	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 15"	FOOT	117.0	117.0		
55021900	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 21"	FOOT	242.0	242.0		
55022100	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 27"	FOOT	157.0	157.0		
55022200	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 30"	FOOT	461.0	461.0		
55022700	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 54"	FOOT	378.5	378.5		
55034200	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	FOOT	22.5	22.5		
55035300	STORM SEWERS, TYPE 2, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	FOOT	108.5	108.5		
55080330	STORM SEWERS, CLASS B, TYPE 2 10"	FOOT	23.5	23.5		
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9	9		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60236200	INLETS, TYPE A, TYPE B GRATE	EACH	4	4		
60240301	INLETS, TYPE B, TYPE B GRATE	EACH	2	2		
60241800	INLETS, TYPE G-1	EACH	20	20		
60500060	REMOVING INLETS	EACH	1	1		
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	29	29		

ITEM NUMBER	ITEM	UNIT	QUANTITY			
			TOTAL	I000-2A	Y030-1E	Y031-1F
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	51	51		
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	3,092	3,092		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	51	51		
60625600	ISLAND PAVEMENT (6")	SQ YD	51	51		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10		
67100100	MOBILIZATION	L SUM	1	1		
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	10	10		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7,605	7,605		
70300610	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	125	125		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,058	1,058		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	256	256		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,378	3,378		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,216	1,216		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	377	377		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	263	263		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	247	247		
* 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	129	129		
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	68	68		
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	122	122		
* 78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	92	92		
* 80400100	ELECTRICAL SERVICE INSTALLATION	EACH	1		1	
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	3,314		1,800	1,514
* 81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	37			37
* 81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	20			20
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	80		80	
* 81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	20			20
* 81400100	HANDHOLE	EACH	5		5	
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1			1
* 81702130	ELECTRIC CABLE IN CONDUIT, 600 (XLP-TYPE USE) 1/C NO. 6	FOOT	4,950		4,950	
* 81702140	ELECTRIC CABLE IN CONDUIT, 600 (XLP-TYPE USE) 1/C NO. 4	FOOT	150		150	
* 81702150	ELECTRIC CABLE IN CONDUIT, 600 (XLP-TYPE USE) 1/C NO. 2	FOOT	300		300	
* 81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	350			350
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3,371		1,800	1,571
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	11		11	
* 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2			2
* 82500530	LIGHTING CONTROLLER TYPE CB-RCS 100AMP - 240VOLT	EACH	1		1	
* 83002300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. DAVIT ARM	EACH	11		11	
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	66		66	
* 83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	11		11	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	341			341
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	2,041			2,041
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	790			790
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	93			93
* 87502510	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 17 FT.	EACH	3			3
* 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1			1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9			9
* 87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	27			27
* 87900200	DRILL EXISTING HANDHOLE	EACH	6			6
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4			4
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5			5
* 88040130	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, WITH ONE DUAL-INDICATION SECTION, MAST ARM MOUNTED	EACH	1			1
* 88040140	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, WITH ONE DUAL-INDICATION SECTION, BRACKET MOUNTED	EACH	2			2
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2
* 88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1			1
* 88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	12			12
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	331			331
* 88800100	PEDESTRIAN PUSH BUTTON	EACH	4			4
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1
X0322127	STORM SEWER (WATER MAIN REQUIREMENTS), 30"	FOOT	191.5	191.5		
X0322729	MATERIAL TRANSFER DEVICE	TON	861	861		
X0322033	STORM SEWER (WATER MAIN REQUIREMENTS), 12"	FOOT	106.0	106.0		
* X0324475	ELECTRIC CABLE IN CONDUIT, NO. 6 1C		446			446
X0712400	TEMPORARY PAVEMENT	SQ YD	1,303	1,303		
* X0811100	RAILROAD CROSSING	L SUM	1	1		
X6020080	INLETS, TYPE G-1, DOUBLE	EACH	2	2		
X6020210	CATCH BASIN, TYPE G-1	EACH	4	4		
XX000613	MODULAR BLOCK RETAINING WALL	SQ FT	164	164		
XX000856	MAILBOX REMOVAL AND RELOCATION	EACH	16	16		
XX185100	INLET-MANHOLE, TYPE G-1, 4'-DIAMETER	EACH	4	4		
Z0030255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 2	EACH	1	1		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		
* 87704516	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. AND 30 FT.	EACH	1			1

* SPECIALTY ITEMS

FILE NAME =	USER NAME = andar@0946	DESIGNED - RLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
I:\09Jobs\09\0027B\CADD\Road\Sheet\c-091sum.dgn		DRAWN - RLA	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	6647	08-00302-00-PV	PEORIA	85	3
		CHECKED - CAL	REVISED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-M-5093139								

REMOVAL SCHEDULE										
LOCATION		HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REMOVAL	CURB REMOVAL	SIDEWALK REMOVAL	ISLAND REMOVAL	PIPE CULVERT REMOVAL	REMOVING INLETS	MAILBOX REMOVAL AND RELOCATION
		SQ YD	SQ YD	SQ YD	FOOT	SQ FT	SQ FT	FOOT	EACH	EACH
BEGIN STATION	END STATION									
BEGIN TO JAYAR										
92+40.00	95+46.41		1161	84				44		1
JAYAR INTERSECTION										
95+46.41	96+11.04	61	463		100					
JAYAR TO NORTHMOOR CT										
96+11.04	98+70.65		845	243				85		4
NORTHMOOR CT. INTERSECTION										
98+70.65	98+22.78	42	277					51		11
NORTHMOOR CT. TO RAILROAD										
98+22.78	105+29.03		2078	442	49	133		221		
RAILROAD TO END										
105+38.26	107+47.11		1440	323	282	166	341	121	1	
KNOXVILLE AVENUE										
1906+09.31	1909+75.13		643							
SHERIDAN ROAD										
249+03.81	251+98.09		79							
TOTAL		103	6986	1092	431	299	341	522	1	16

TOPSOIL, SEEDING, & FERTILIZER NUTRIENTS								
LOCATION		TOPSOIL FURNISH AND PLACE, 6"	SODDING	SODDING, SALT TOLLERANT	SUPPLEMENTAL WATERING	NITROGEN FERTILIZER NUTRIENT 90 (LB/ACRE)	PHOSPHOROUS FERTILIZER NUTRIENT 90 (LB/ACRE)	POTASSIUM FERTILIZER NUTRIENT 90 (LB/ACRE)
		SQ YD	SQ YD	SQ YD	UNIT	POUND	POUND	POUND
BEGIN STATION	END STATION							
BEGINNING TO JAYAR								
92+40.00	95+30.20	1273	696	577	3.8	24	24	24
JAYAR INTERSECTION								
95+30.20	96+21.24	288	185	103	0.9	5	5	5
JAYAR TO NORTHMOOR CT								
96+21.24	98+58.23	853	495	358	2.6	16	16	16
NORTHMOOR CT. INTERSECTION								
98+58.23	99+36.19	316	218	98	0.9	6	6	6
NORTHMOOR CT. TO RAILROAD								
99+36.19	105+29.03	2474	1305	1169	7.4	46	46	46
RAILROAD TO END								
105+38.26	107+47.11	537	298	239	1.6	10	10	10
KNOXVILLE AVENUE								
1906+50.00	1909+74.18	133		133	0.4	2	2	2
SHERIDAN ROAD								
246+00.00	251+75.00	944						
TOTAL		6818	3197	2677	18	110	110	110

TEMPORARY EROSION CONTROL SCHEDULE							
LOCATION		TREE TRUNK PROTECTION	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	INLET FILTERS	TEMPORARY DITCH CHECK	TEMPORARY EROSION CONTROL SEEDING POUNDS
		EACH	FOOT	EACH	FOOT	FOOT	
BEGIN STATION	END STATION						
BEGINNING TO JAYAR							
92+40.00	95+30.20	1	290		6		26
JAYAR INTERSECTION							
95+30.20	96+21.24		91		2		7
JAYAR TO NORTHMOOR CT							
96+21.24	98+58.23		232		6		17
NORTHMOOR CT. INTERSECTION							
98+58.23	99+36.19		67		4		8
NORTHMOOR CT. TO RAILROAD							
99+36.19	105+29.03	7	240	1	11	57	51
RAILROAD TO END							
105+38.26	107+47.11			1	2		10
KNOXVILLE AVENUE							
1906+50.00	1909+74.18		393				3
SHERIDAN ROAD							
246+51.53	247+06.99	2				60	19
TOTAL		10	1313	2	31	117	141

EARTHWORK				
LOCATION		EARTH EXCAVATION	ADJUSTED EXCAVATION FOR SHRINKAGE (25%)	EMBANKMENT
		CU YD	CU YD	CU YD
BEGIN STATION	END STATION			
BEGINNING TO JAYAR				
92+40.00	95+30.00	858	644	367
JAYAR INTERSECTION				
95+30.00	96+25.00	441	331	116
JAYAR TO NORTHMOOR CT				
96+25.00	98+50.00	862	647	263
NORTHMOOR CT. INTERSECTION				
98+50.00	99+50.00	409	307	160
NORTHMOOR CT. TO RAILROAD				
99+50.00	105+29.03	2148	1611	900
RAILROAD TO END				
105+38.26	107+47.11	559	419	17
KNOXVILLE AVENUE				
1906+50.00	1909+74.18	89	67	4
SHERIDAN ROAD				
246+00.00	251+75.00	242	182	2
TOTAL		5608	4206	1829
ADJUSTMENT FOR TEMPORARY PAVEMENT		490	360	360
ROUNDED TOTAL		6100	4570	2190

TREE REMOVAL SCHEDULE				
LOCATION			(6-15) UNIT	OVER 15 UNIT
STATION	OFFSET	LT/RT		
BEGINNING TO JAYAR				
92+72.81	29.82	LT		17
92+89.53	33.07	LT		18
JAYAR TO NORTHMOOR CT.				
98+55.86	32.17	LT		39
NORTHMOOR CT. TO RAILROAD				
103+76.75	40.44	LT	14	
103+81.50	41.66	LT	15	
104+00.56	40.43	RT		18
104+27.37	43.55	RT	9	
104+36.84	43.46	RT	9	
104+93.11	45.92	RT		19
SHERIDAN ROAD				
246+95.20	38.94	RT	13	
246+99.30	39.79	RT	10	
247+07.00	41.3	RT		17
TOTAL			70	128



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PLOT DATE = 11/17/2009		DATE - 10/16/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	5
09-00047-01-PV		CONTRACT NO. 89526		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT ARA-M-5093139		

PAVEMENT, SHOULDER, ISLAND, AND CURB & GUTTER SCHEDULE

LOCATION	SUB BASE GRANULAR MATERIAL, TYPE A (12")	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D. N50	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	ISLAND PAVEMENT	HOT-MIX ASPHALT SHOULDERS, 8"	PROTECTIVE COAT	PAVEMENT PATCHING, TYPE IV, 9 INCH	MATERIAL TRANSFER DEVICE	
															TON
BEGIN STATION	END STATION														
BEGINNING TO JAYAR															
92+40.00	95+30.20	909	360	147	131	633			580				161		131
JAYAR INTERSECTION															
95+30.20	96+21.24	460	187	77	75	335			288				80		75
JAYAR TO NORTHMOOR CT															
96+21.24	98+58.23	709	280	114	102	490			464				129		102
NORTHMOOR CT. INTERSECTION															
98+58.23	99+36.19	338	138	56	55	246			180				50		55
NORTHMOOR CT. TO RAILROAD															
99+36.19	105+29.03	1934	771	315	280	1354		51	1189				342		280
RAILROAD TO END															
105+38.26	107+47.11	1411	499	204	182	877	29		391	51	51	57	130		182
KNOXVILLE AVENUE															
1906+45.63	1909+74.10		176.0	41.0	36.0	330.0							315		36
SHERIDAN ROAD															
249+03.81	251+98.09														79
TOTAL		5761	2411	954	861	4265	29	51	3092	51	51	372	892	79	861
FROM DRIVEWAY SCHEDULE		205											498		
FROM SIDEWALK SCHEDULE		438											0		
FROM TEMPORARY PAVEMENT (SEE SPECIAL PROVISION)		119											0		
TOTAL		6523											1390		

DRIVEWAY SCHEDULE

LOCATION	SUB BASE GRANULAR MATERIAL, TYPE A (4")	PORTLAND CEMENT DRIVEWAY PAVEMENT, 6"	PORTLAND CEMENT DRIVEWAY PAVEMENT, 8"	AGGREGATE SURFACE COURSE, TYPE A	INCIDENTAL HOT-MIX ASPHALT SURFACING	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	PROTECTIVE COAT
CENTERLINE STATION							
BEGINNING TO JAYAR							
93+30.45	20	57			3	9	57
JAYAR TO NORTHMOOR CT							
96+51.53	15	67					67
97+19.64	16	39			3	10	39
97+68.19	20	38					38
97+95.81	9	40			5	16	40
NORTHMOOR CT. TO RAILROAD							
100+91.32	38		89		7	21	89
102+80.23	30		84		4	13	84
104+61.53	8		36	33			36
RAILROAD TO END							
106+00.00	49		48		19	54	48
TOTAL		205	241	257	33	41	498

SIDEWALK AND MULTI-USE PATH SCHEDULE

LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SUB BASE GRANULAR MATERIAL, TYPE A (4")	DETECTABLE WARNINGS
BEGIN STATION	END STATION		
BEGINNING TO JAYAR			
92+40.00	95+30.20	3692	95
JAYAR INTERSECTION			
95+30.20	96+21.24	988	27
JAYAR TO NORTHMOOR CT			
96+21.24	98+58.23	2713	72
NORTHMOOR CT. INTERSECTION			
98+58.23	99+36.19	924	25
NORTHMOOR CT. TO RAILROAD			
99+36.19	105+29.03	7454	190
RAILROAD TO END			
105+38.26	107+47.11	932	24
KNOXVILLE AVENUE			
1905+10.47	1905+72.87	166	5
TOTAL		16869	438



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.U. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 6
09-00047-01-PV		CONTRACT NO. 89526		
ILLINOIS FED. AID PROJECT ARA-M-5093(139)				

PAVEMENT MARKING SCHEDULE										
LOCATION	THERMOPLASTIC PAVEMENT MARKINGS - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	THERMOPLASTIC PAVEMENT MARKING-LINE 8"	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	PAINT PAVEMENT MARKING-LINE 4"	PAINT PAVEMENT MARKING-LINE 8"	PAINT PAVEMENT MARKING-LINE 12"	PREFORMED PLASTIC PAVEMENT MARKINGS, TYPE B - LETTERS AND SYMBOLS	PREFORMED PLASTIC PAVEMENT MARKINGS, TYPE B - LINE 24"
	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT
BEGIN STATION	END STATION									
BEGINNING TO JAYAR										
92+40.00	95+30.20	35.2	649.2			247	129	68		
JAYAR INTERSECTION										
95+30.20	96+21.24	35.2								
JAYAR TO NORTHMOOR CT										
96+21.24	98+58.23	44.0	580.0							
NORTHMOOR CT. INTERSECTION										
98+58.23	99+36.19									
NORTHMOOR CT. TO RAILROAD										
99+36.19	105+29.03		1704.9	170.0	181.4				61	
RAILROAD TO END										
105+38.26	107+47.11	105.7	443.8	598.9	194.8	163.5			61	92
KNOXVILLE AVENUE										
1905+05.00	1907+75.00	35.2		446.8		99.1				
TOTAL		256	3378	1216	377	263	247	129	68	122

STORM SEWER END SECTION SCHEDULE			
LOCATION	END SECTIONS 10"	PRECAST REINFORCED CONCRETE FLARED END SECTION 21"	PRECAST REINFORCED CONCRETE FLARED END SECTION EQUIVALENT ROUND SIZE 18"
	EACH	EACH	EACH
CENTERLINE STATION			
NORTHMOOR CT. TO RAILROAD			
	1		
KNOXVILLE AVENUE			
			1
			1
SHERIDAN ROAD			
		1	
TOTAL		1	2

STONE RIPRAP SCHEDULE		
LOCATION	STONE RIPRAP, CLASS A4	FILTER FABRIC
	TON	SQ YD
CENTERLINE STATION		
KNOXVILLE AVENUE		
	23	40
SHERIDAN ROAD		
	9	21
TOTAL		61



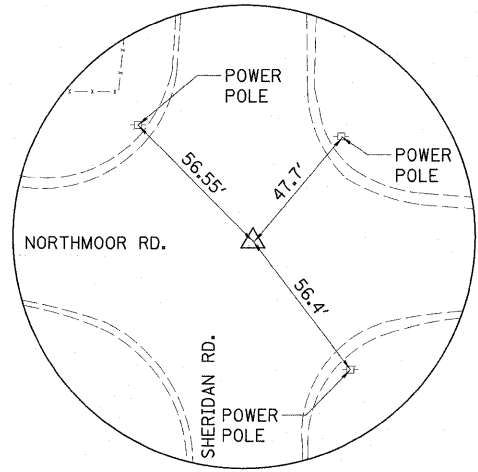
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

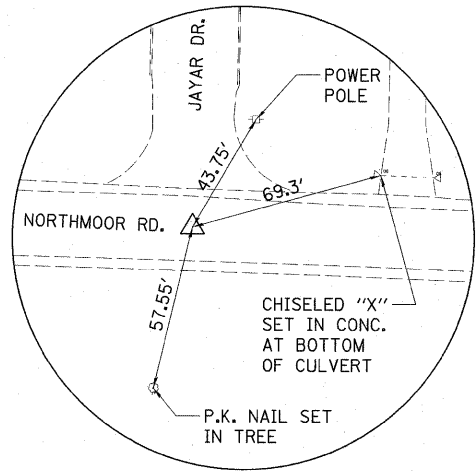
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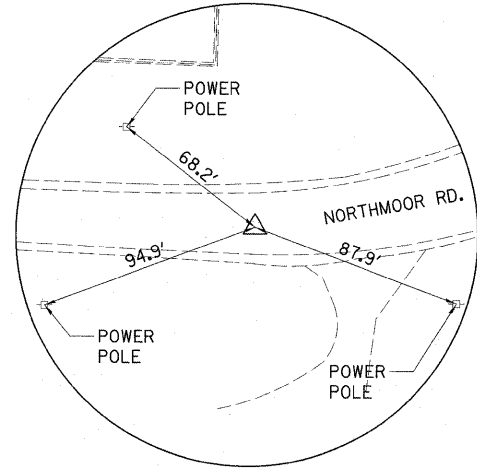
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	09-00047-01-PV			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)			CONTRACT NO. 89526	



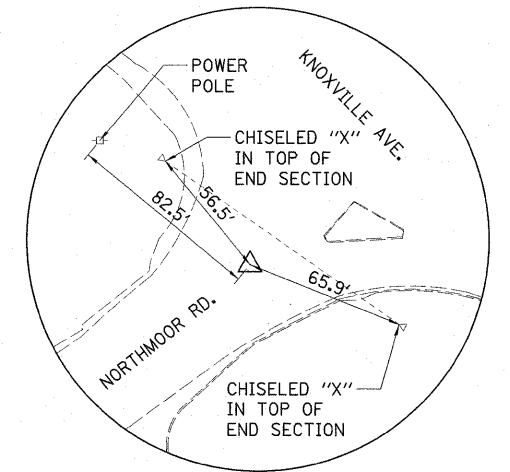
RECOVERY TIE - ϕ STA. 90+72.42
P.K. NAIL IN PAVEMENT



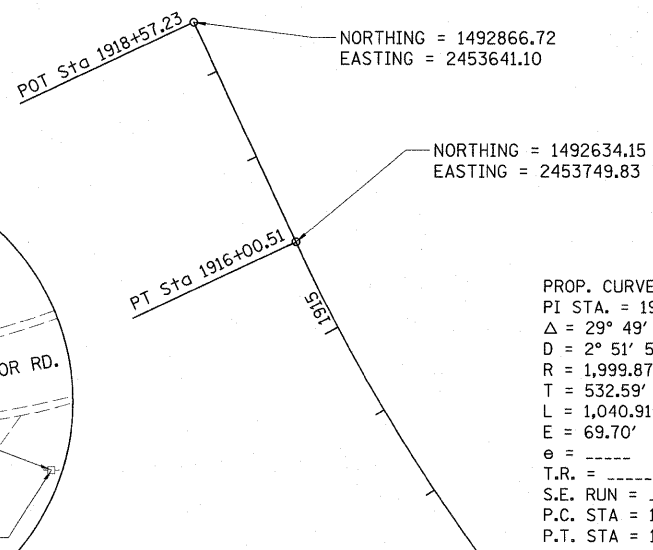
RECOVERY TIE - ϕ STA. 95+77.04
P.K. NAIL IN PAVEMENT



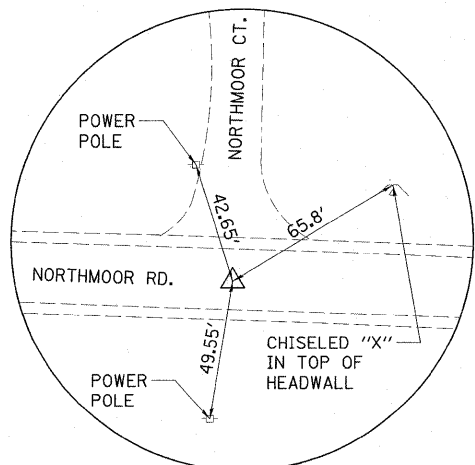
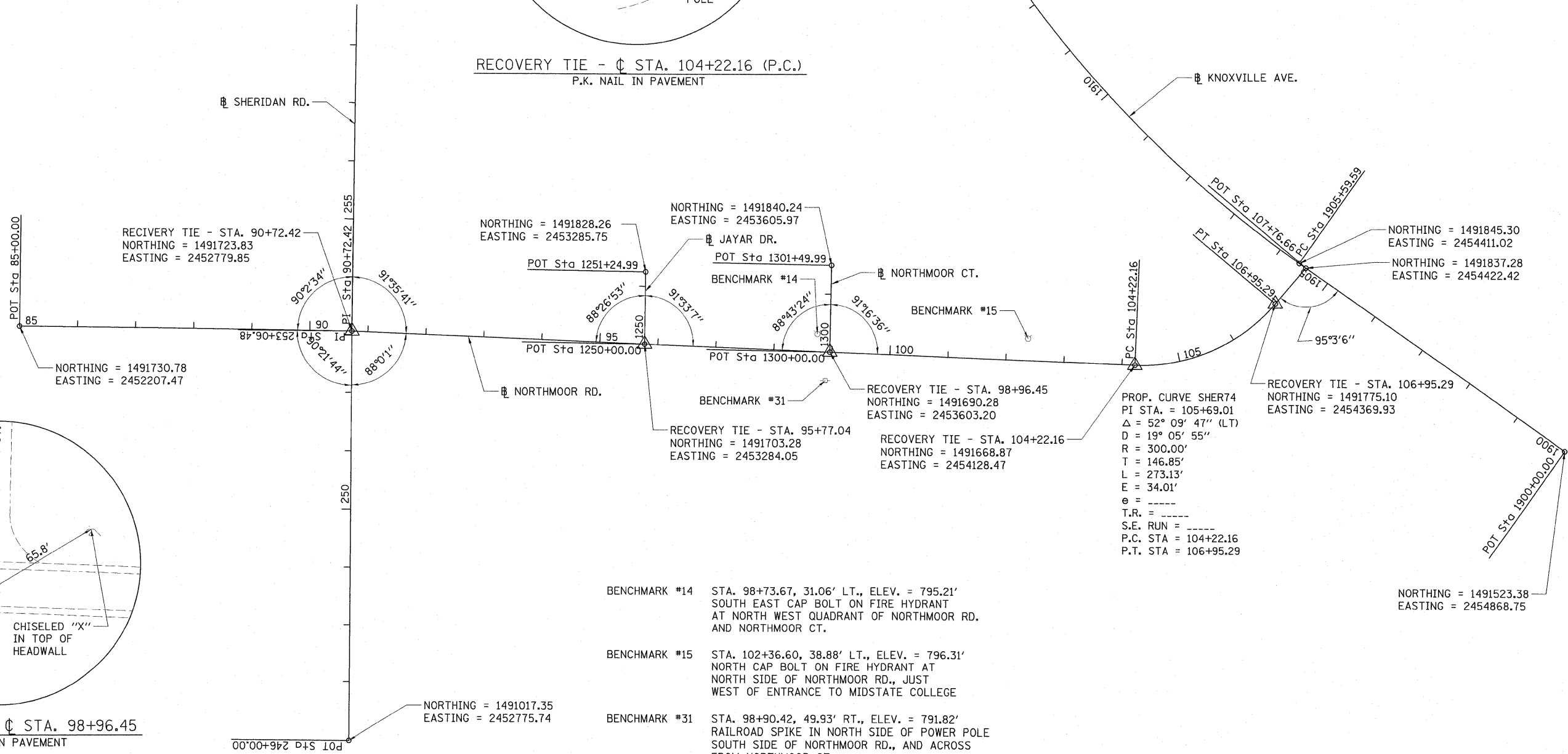
RECOVERY TIE - ϕ STA. 104+22.16 (P.C.)
P.K. NAIL IN PAVEMENT



RECOVERY TIE - ϕ STA. 106+95.29 (P.T.)
P.K. NAIL IN PAVEMENT



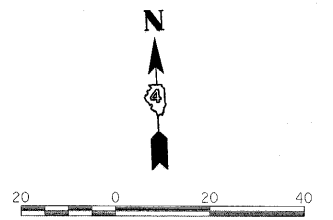
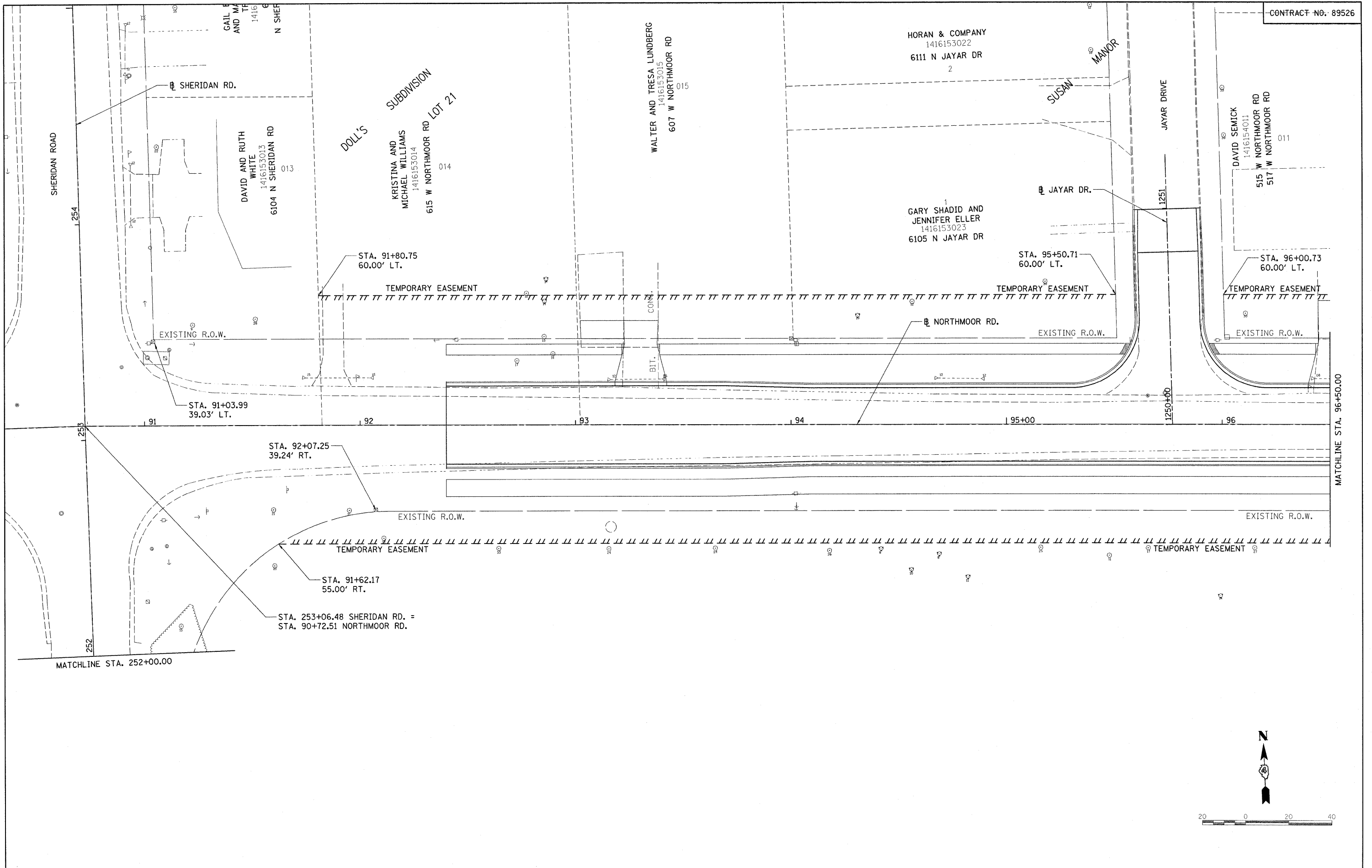
PROP. CURVE KNOCC01-1
PI STA. = 1910+92.19
 Δ = 29° 49' 30" (RT)
D = 2° 51' 55"
R = 1,999.87'
T = 532.59'
L = 1,040.91'
E = 69.70'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA = 1905+59.59
P.T. STA = 1916+00.51



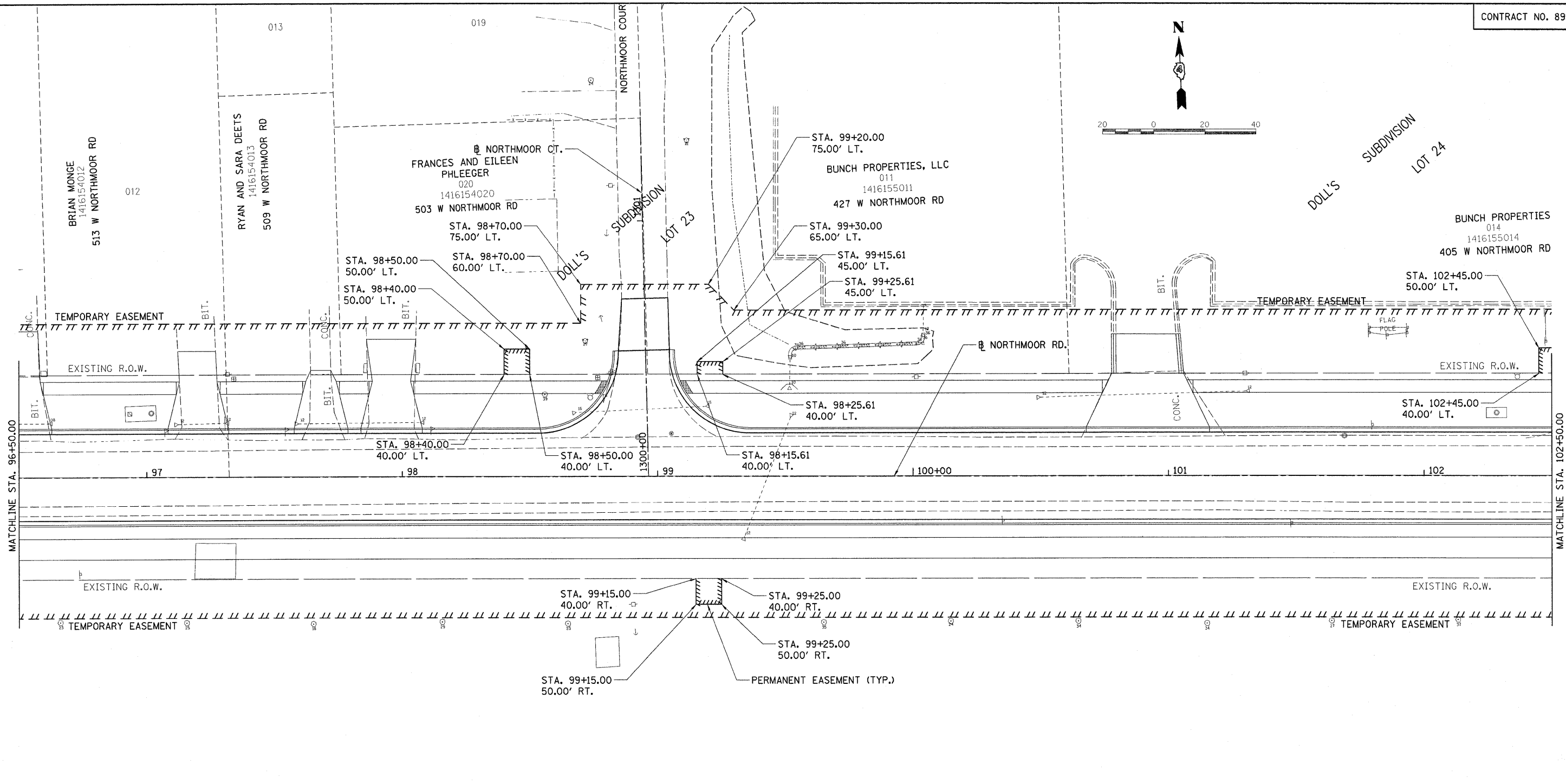
RECOVERY TIE - ϕ STA. 98+96.45
P.K. NAIL IN PAVEMENT

- BENCHMARK #14 STA. 98+73.67, 31.06' LT., ELEV. = 795.21'
SOUTH EAST CAP BOLT ON FIRE HYDRANT
AT NORTH WEST QUADRANT OF NORTHMOOR RD.
AND NORTHMOOR CT.
- BENCHMARK #15 STA. 102+36.60, 38.88' LT., ELEV. = 796.31'
NORTH CAP BOLT ON FIRE HYDRANT AT
NORTH SIDE OF NORTHMOOR RD., JUST
WEST OF ENTRANCE TO MIDSTATE COLLEGE
- BENCHMARK #31 STA. 98+90.42, 49.93' RT., ELEV. = 791.82'
RAILROAD SPIKE IN NORTH SIDE OF POWER POLE
SOUTH SIDE OF NORTHMOOR RD., AND ACROSS
FROM NORTHMOOR CT.

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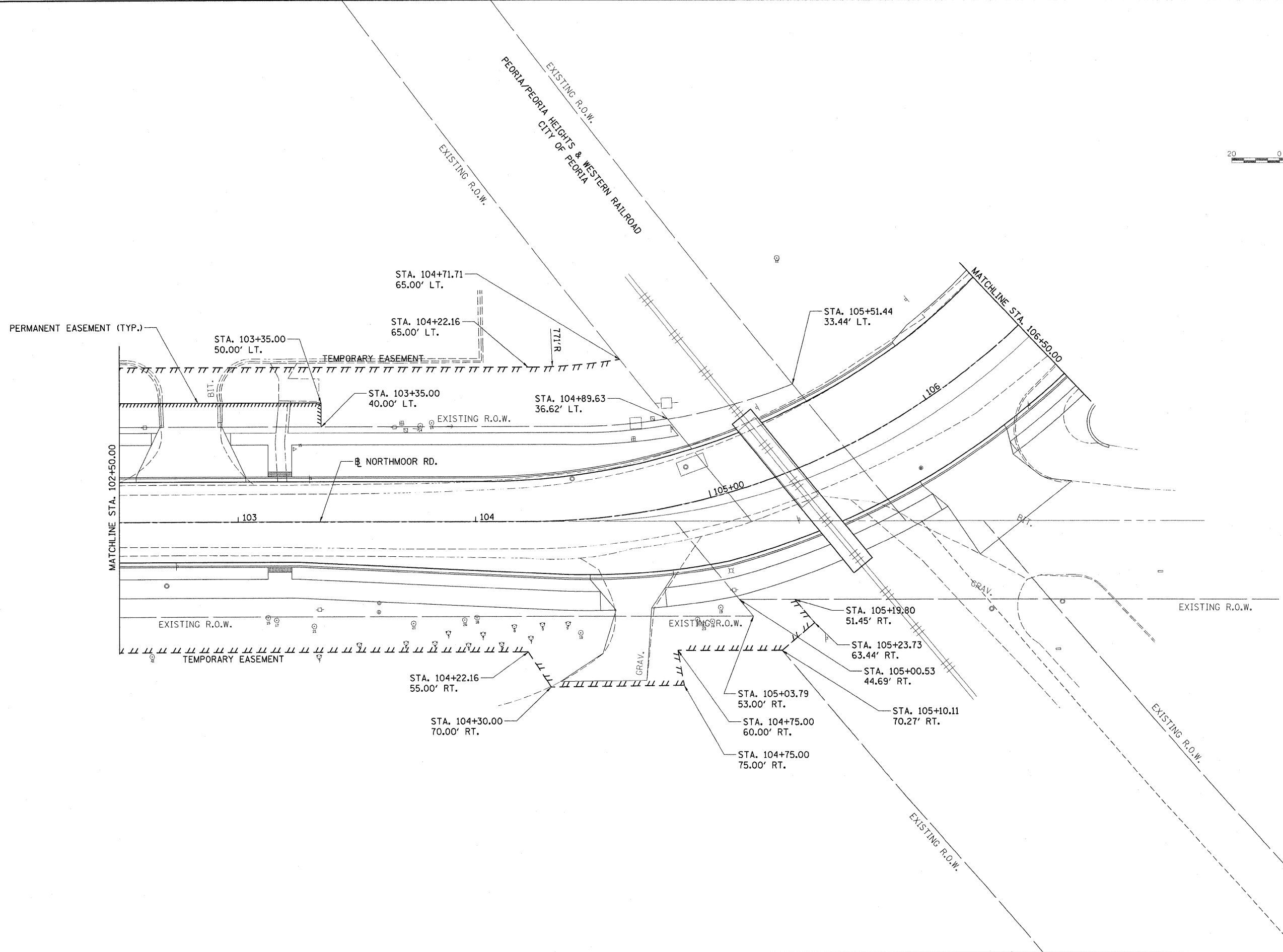
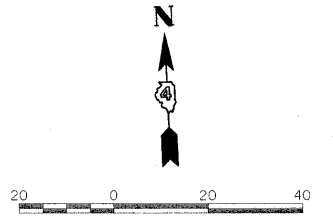
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		DATE - 10/16/2009	REVISED -									



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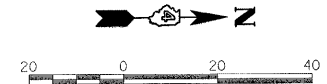
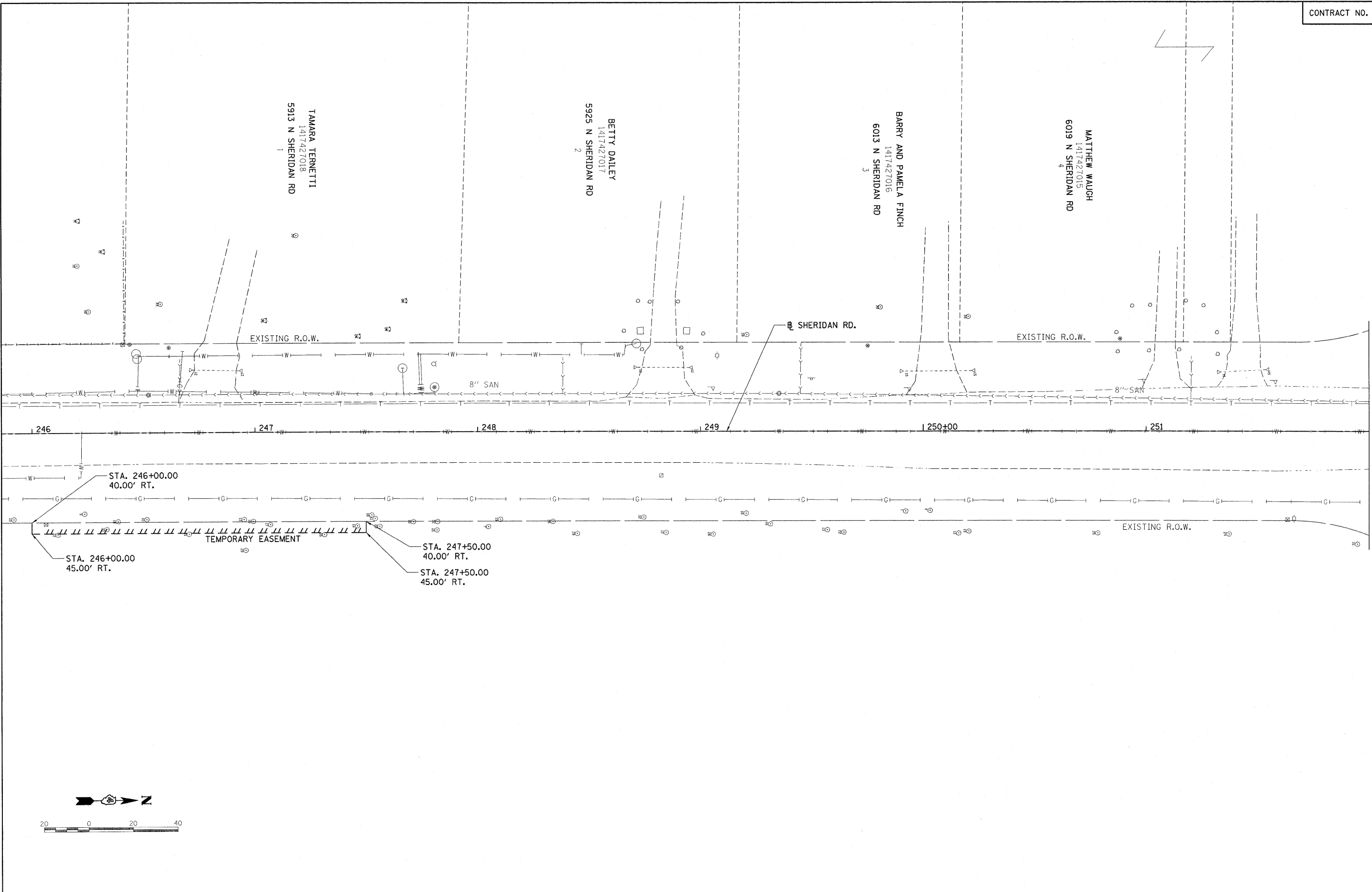


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PLOT DATE = 10/16/2009	DATE - 10/16/2009	REVISED -	ILLINOIS FED. AID PROJECT ARA-M-5093(139)							
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 102+50.00 TO STA. 106+50.00										



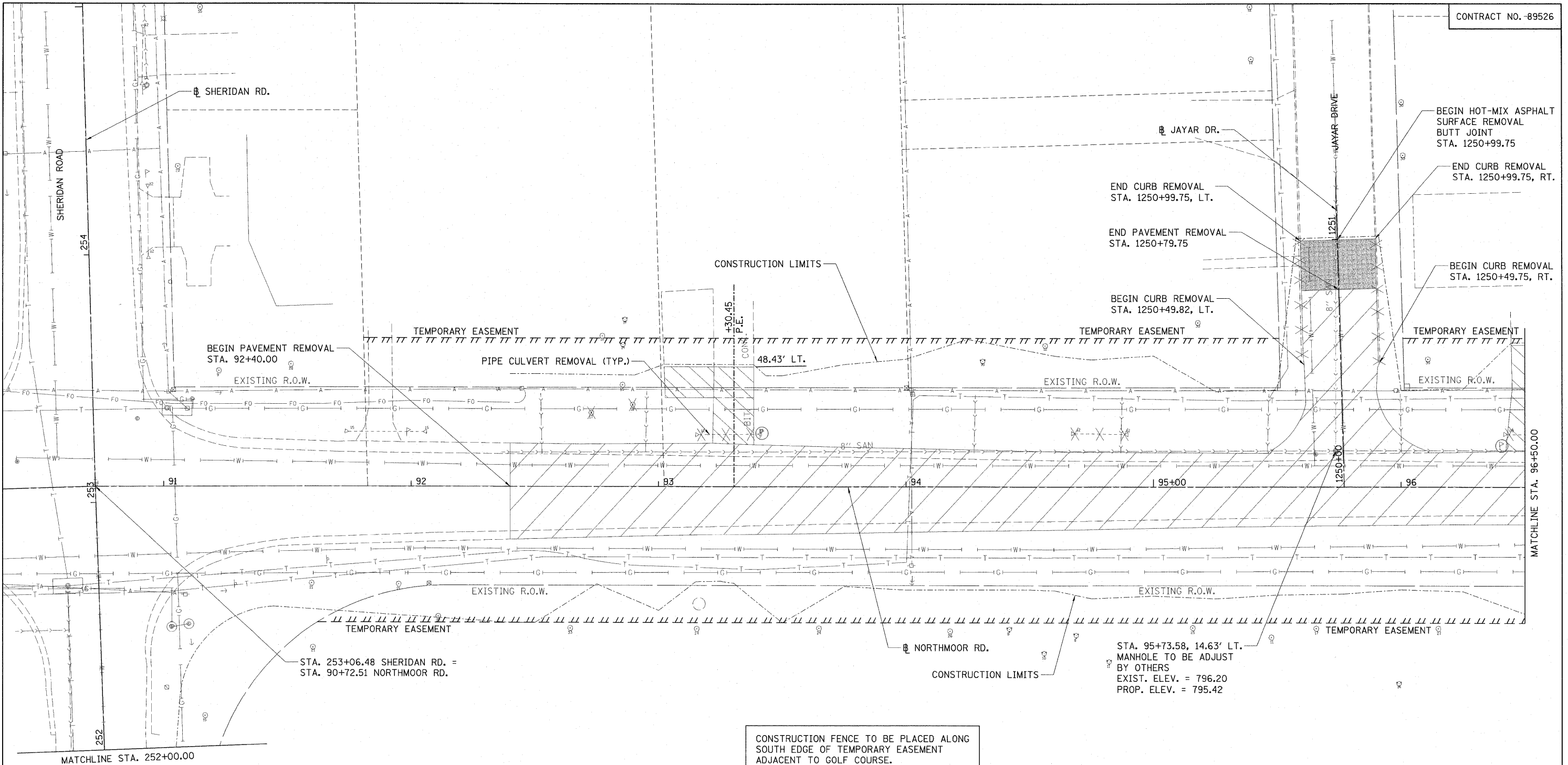
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHERIDAN RD. RIGHT-OF-WAY PLAN			
SCALE: 1"=20'	SHEET NO.	OF	SHEETS
	STA.		TO STA.

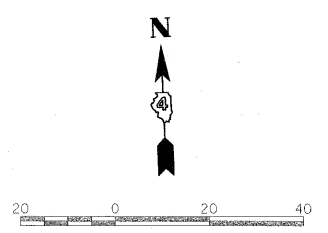
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	09-00047-01-PV			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 89526		
	ARA-M-5093(139)			

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LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- SIDEWALK REMOVAL
- ISLAND REMOVAL
- CURB REMOVAL
- PIPE CULVERT REMOVAL
- MAILBOX REMOVAL AND RELOCATION
- TREE REMOVAL
- LIGHT POLE REMOVAL



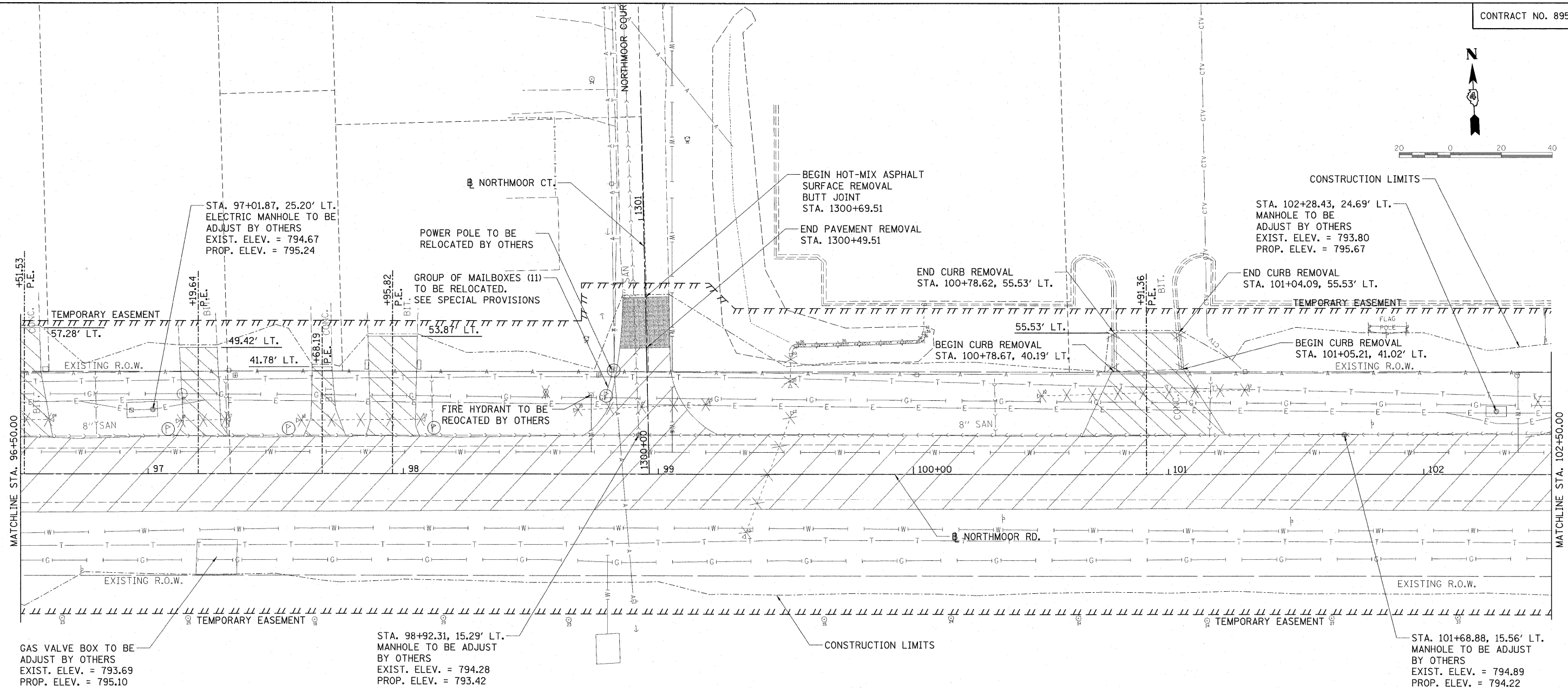
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NORTHMOOR RD. REMOVAL PLAN

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 92+40.00 TO STA. 96+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	14
	09-00047-01-PV			
CONTRACT NO. 89526				



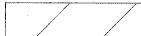
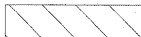




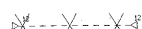



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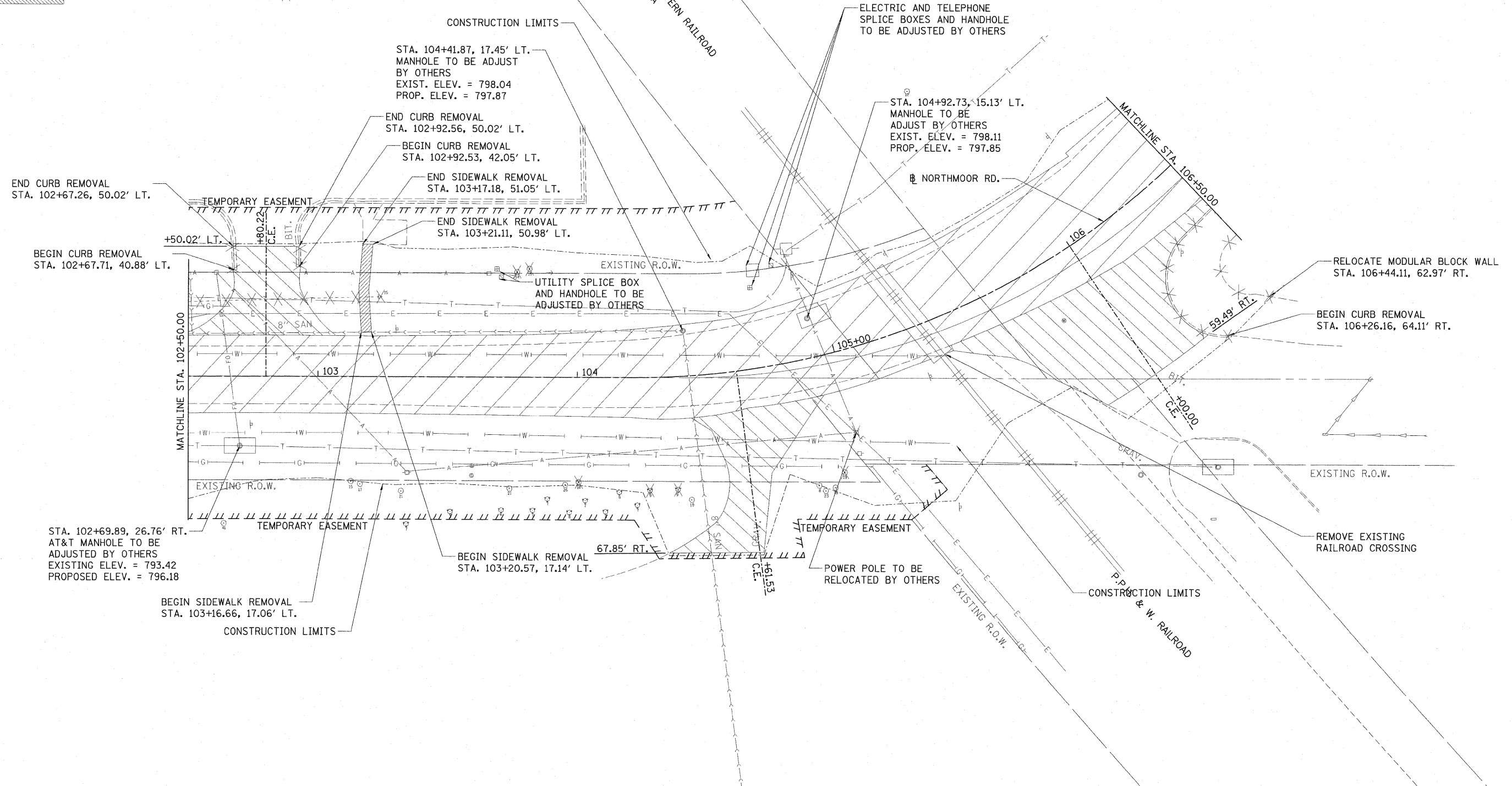
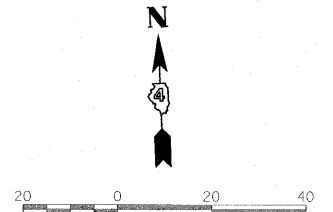
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- | | | | |
|--|--|--|--------------------------------|
| | PAVEMENT REMOVAL | | CURB REMOVAL |
| | DRIVEWAY PAVEMENT REMOVAL | | PIPE CULVERT REMOVAL |
| | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | | MAILBOX REMOVAL AND RELOCATION |
| | SIDEWALK REMOVAL | | TREE REMOVAL |
| | ISLAND REMOVAL | | LIGHT POLE REMOVAL |

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PLOT DATE = 11/17/2009	DATE - 10/16/2009	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)						

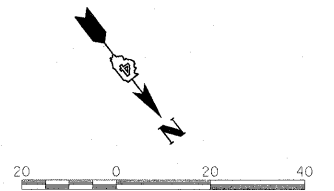
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-  PAVEMENT REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  SIDEWALK REMOVAL
-  ISLAND REMOVAL
-  CURB REMOVAL
-  PIPE CULVERT REMOVAL
-  MAILBOX REMOVAL AND RELOCATION
-  TREE REMOVAL
-  LIGHT POLE REMOVAL



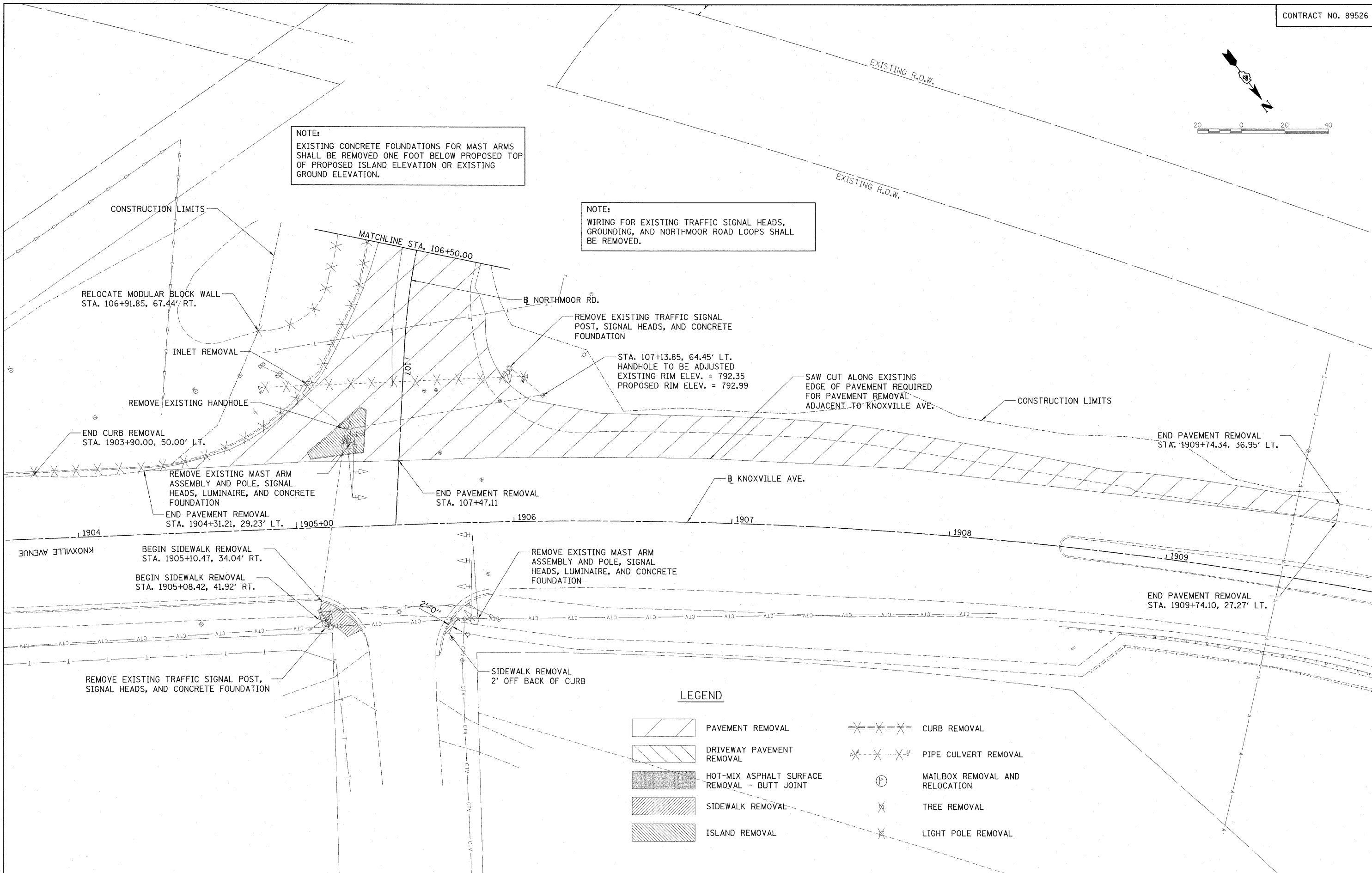
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PLOT DATE = 11/17/2009		DATE = 10/16/2009	REVISED -			SCALE: 1"=20'		SHEET NO. OF SHEETS		STA. 102+50.00 TO STA. 106+50.00	



NOTE:
EXISTING CONCRETE FOUNDATIONS FOR MAST ARMS SHALL BE REMOVED ONE FOOT BELOW PROPOSED TOP OF PROPOSED ISLAND ELEVATION OR EXISTING GROUND ELEVATION.

NOTE:
WIRING FOR EXISTING TRAFFIC SIGNAL HEADS, GROUNDING, AND NORTHMOOR ROAD LOOPS SHALL BE REMOVED.



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LEGEND

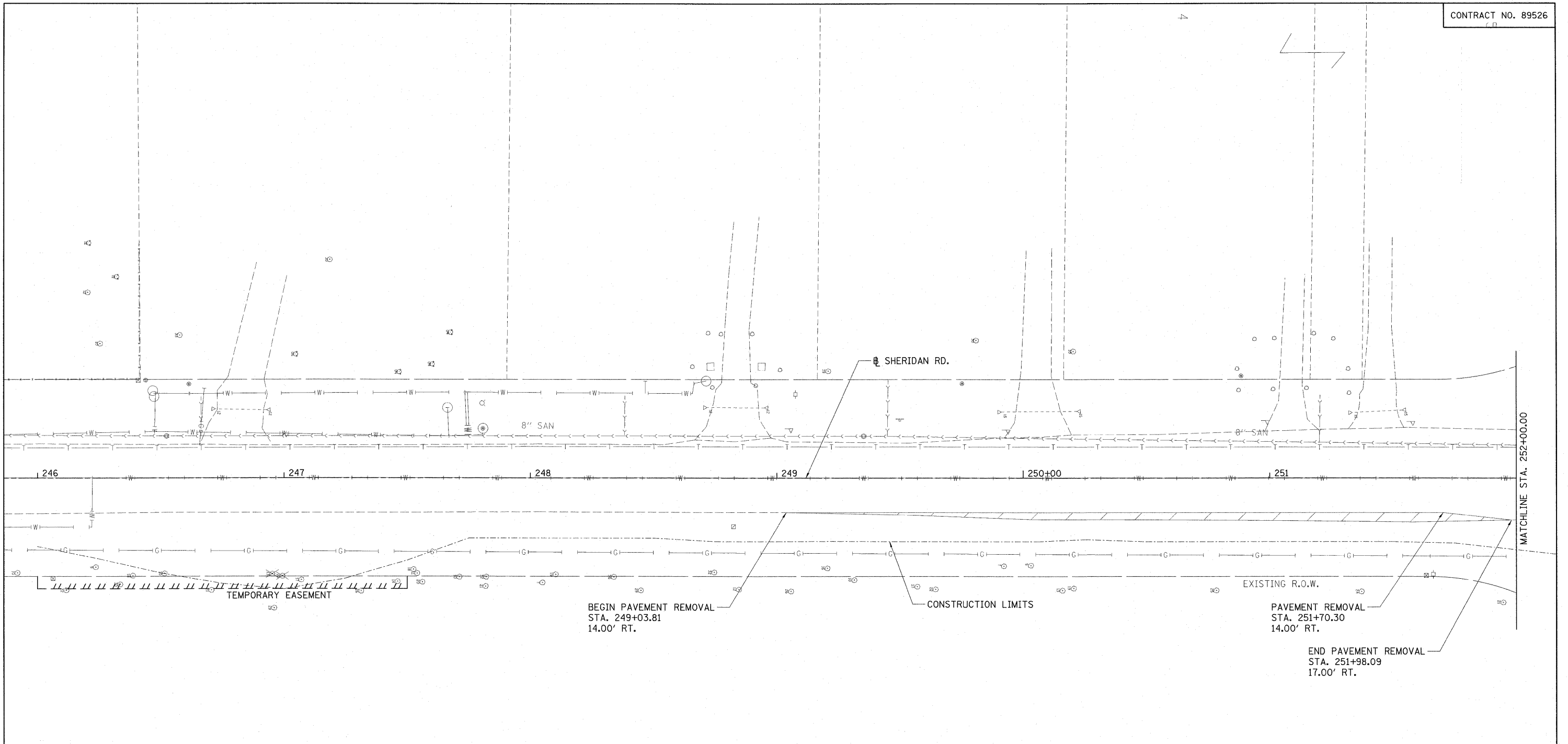
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|--|--|--|--------------------------------|
| | PAVEMENT REMOVAL | | CURB REMOVAL |
| | DRIVEWAY PAVEMENT REMOVAL | | PIPE CULVERT REMOVAL |
| | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | | MAILBOX REMOVAL AND RELOCATION |
| | SIDEWALK REMOVAL | | TREE REMOVAL |
| | ISLAND REMOVAL | | LIGHT POLE REMOVAL |

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PLOT DATE = 11/17/2009		DATE - 10/16/2009	REVISED -

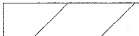




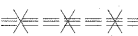




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

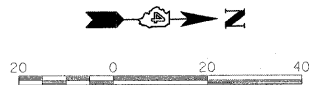
NORTHMOOR RD. REMOVAL PLAN			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 106+50.00 TO STA. 107+76.66	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	17
	09-00047-01-PV			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-M-5093(139)	CONTRACT NO. 89526	



LEGEND

-  PAVEMENT REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  SIDEWALK REMOVAL
-  ISLAND REMOVAL
-  CURB REMOVAL
-  PIPE CULVERT REMOVAL
-  MAILBOX REMOVAL AND RELOCATION
-  TREE REMOVAL
-  LIGHT POLE REMOVAL



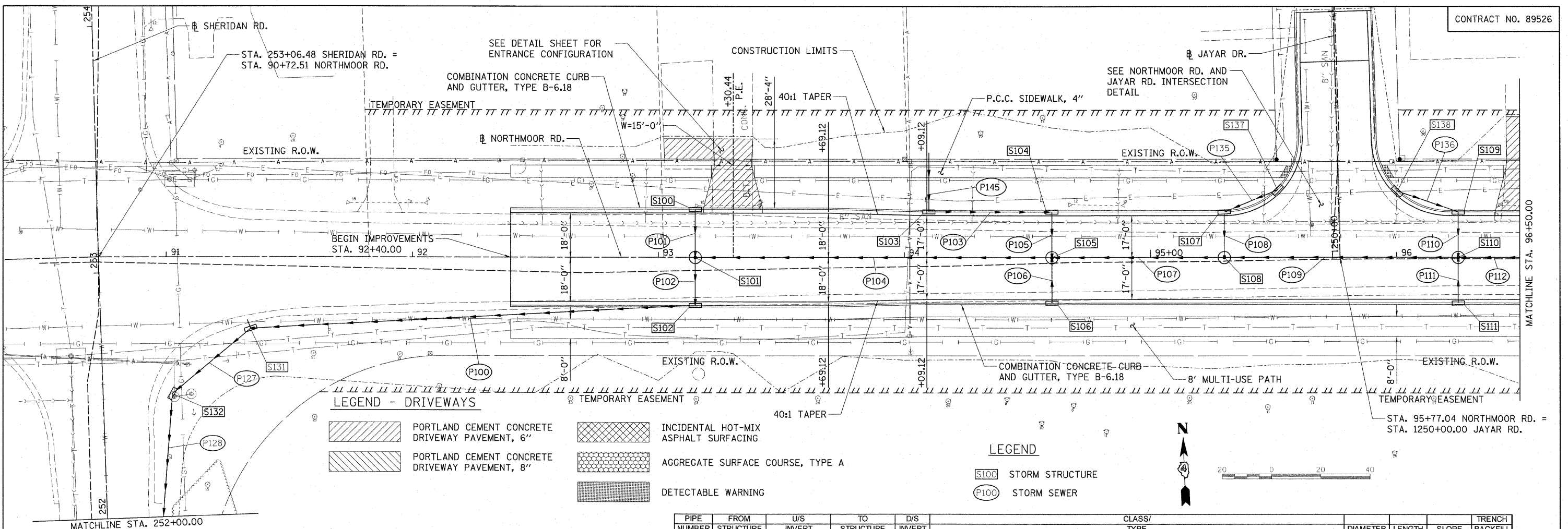
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PLOT SCALE = 20.0000' / in.		CHECKED - CAL	REVISED -
PLOT DATE = 11/17/2009		DATE - 10/16/2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHERIDAN RD. REMOVAL PLAN

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	18
09-00047-01-PV		CONTRACT NO. 89526		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT ARA-M-5093(139)		



LEGEND - DRIVEWAYS

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- INCIDENTAL HOT-MIX ASPHALT SURFACING
- AGGREGATE SURFACE COURSE, TYPE A
- DETECTABLE WARNING

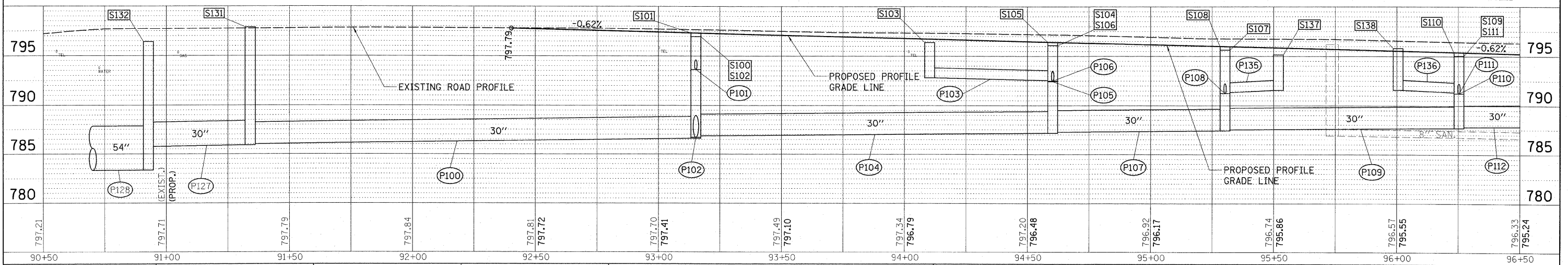
LEGEND

- S100 STORM STRUCTURE
- P100 STORM SEWER



STRUCTURE NUMBER	STATION	OFFSET	TYPE	RIM ELEVATION				INVERT ELEVATIONS						
				ELEVATION	N	S	E	N	S	E	W			
S100	93+15.00	19.25	LT. INLETS, TYPE G-1	796.96		793.38								
S101	93+15.00	0.00	MANHOLES, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID	797.32	793.19	786.76	786.86							
S102	93+15.00	19.25	RT. CATCH BASINS, TYPE G-1 (SEE SPECIAL PROVISION)	796.96	786.72		786.62							
S103	94+10.00	18.25	LT. INLETS, TYPE G-1	796.39		792.81								
S104	94+60.00	18.25	LT. INLETS, TYPE G-1	796.08		792.45	792.55							
S105	94+60.00	0.00	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	796.42	792.30	790.19	787.25	787.15						
S106	94+60.00	18.25	RT. INLETS, TYPE G-1	796.08	790.39		787.15							
S107	95+30.00	18.25	LT. INLETS, TYPE G-1	795.64		791.23	791.33							
S108	95+30.00	0.00	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	795.98	791.08	787.49	787.39							
S109	96+25.00	18.25	LT. INLETS, TYPE G-1	795.05		791.24	791.34							
S110	96+25.00	0.00	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	795.39	791.09	787.78	787.68							
S111	96+25.00	18.25	RT. INLETS, TYPE G-1	795.05	789.73		787.68							
S131	91+33.82	27.59	RT. INLET-MANHOLE, TYPE G-1, 4' DIAMETER	796.37	796.00	786.00	785.90							
S132	252+50.00	28.14	RT. INLET-MANHOLE, TYPE G-1, 4' DIAMETER	796.42	785.75	783.35								
S137	95+51.70	27.58	LT. INLETS, TYPE G-1	795.15		791.57								
S138	96+00.31	27.00	LT. INLETS, TYPE G-1	795.18			791.60							

PIPE NUMBER	FROM STRUCTURE	U/S INVERT	TO STRUCTURE	D/S INVERT	CLASS/TYPE	DIAMETER	LENGTH	SLOPE	TRENCH BACKFILL
P100	S102	786.62	S131	786.00	STORM SEWER (WATER MAIN REQUIREMENTS)	30"	177.0	0.35%	339.7
P101	S100	793.38	S101	793.19	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12"	15.5	1.23%	5.0
P102	S101	786.76	S102	786.72	STORM SEWER (WATER MAIN REQUIREMENTS)	30"	14.5	0.28%	27.9
P103	S103	792.81	S104	792.55	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV	12"	47.0	0.55%	14.1
P104	S105	787.15	S101	786.86	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	30"	140.5	0.21%	251.2
P105	S104	792.45	S105	792.30	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12"	15.0	1.00%	4.8
P106	S106	790.39	S105	790.19	STORM SEWER (WATER MAIN REQUIREMENTS)	12"	15.0	1.33%	12.8
P107	S108	787.39	S105	787.25	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	30"	66.0	0.21%	103.2
P108	S107	791.23	S108	791.08	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12"	15.0	1.00%	9.5
P109	S110	787.68	S108	787.49	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	30"	91.0	0.21%	129.9
P110	S109	791.24	S110	791.09	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12"	15.0	1.00%	5.1
P111	S111	789.73	S110	789.54	STORM SEWER (WATER MAIN REQUIREMENTS)	12"	15.0	1.27%	11.9
P112	S113	788.04	S110	787.78	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	30"	126.0	0.21%	145.8
P127	S131	785.90	S132	785.75	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	30"	37.5	0.40%	77.2
P128	S132	783.35	S133	783.27	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	54"	76.5	0.10%	223.8
P135	S137	791.57	S107	791.33	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12"	20.5	1.17%	7.0
P136	S138	791.60	S109	791.34	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV	12"	23.0	1.13%	6.9
P145	CAP	793.14	S103	792.91	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12"	23.0	1.00%	7.8



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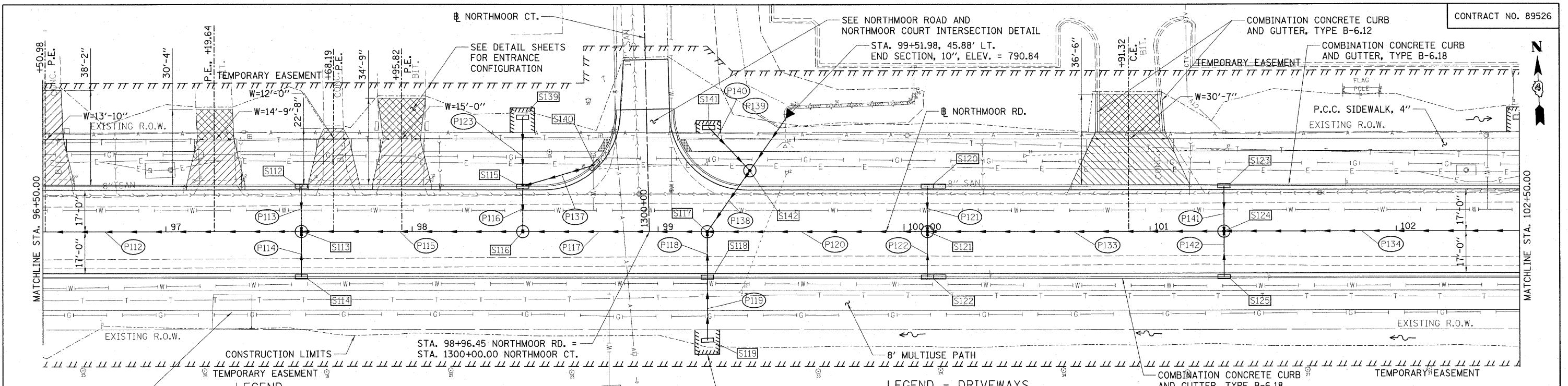
HANSON
 Hanson Professional Services Inc.

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LEGEND

S100 STORM STRUCTURE

P100 STORM SEWER

LEGEND - DRIVEWAYS

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"

INCIDENTAL HOT-MIX ASPHALT SURFACING

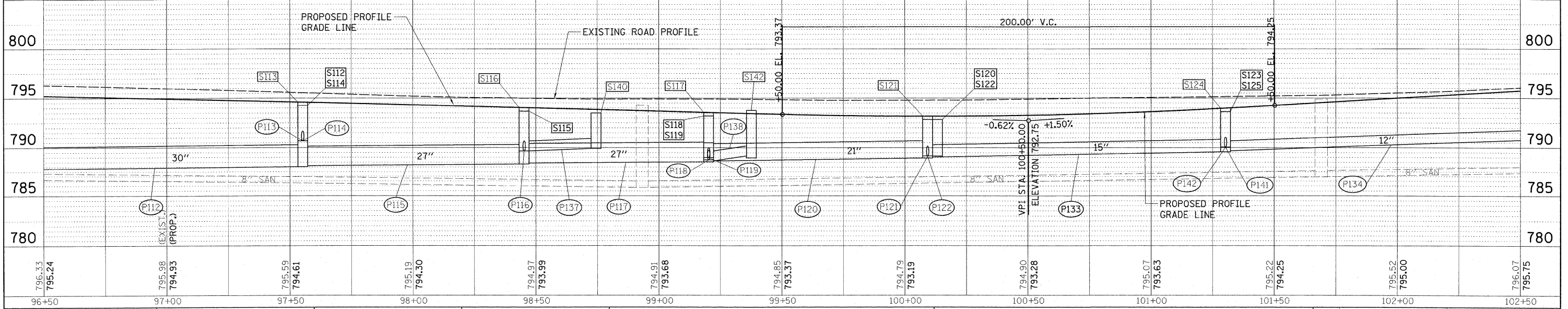
DETECTABLE WARNING

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"

AGGREGATE SURFACE COURSE, TYPE A

PIPE NUMBER	FROM STRUCTURE	U/S INVERT	TO STRUCTURE	D/S INVERT	CLASS/TYPE	DIAMETER	LENGTH	SLOPE	TRENCH BACKFILL
P112	S113	788.04	S110	787.78	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	30	126.0	0.21%	145.8
P113	S112	790.66	S113	790.47	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	15.0	1.27%	4.8
P114	S114	788.74	S113	788.55	STORM SEWER (WATER MAIN REQUIREMENTS)	12	15.0	1.27%	12.4
P115	S116	788.32	S113	788.14	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	27	86.0	0.21%	80.2
P116	S115	789.66	S116	789.51	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	15.0	1.00%	5.4
P117	S117	788.57	S116	788.42	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	27	71.0	0.21%	57.0
P118	S118	788.77	S117	788.67	STORM SEWER (WATER MAIN REQUIREMENTS)	12	15.0	0.67%	9.5
P119	S119	789.00	S118	788.87	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	24.0	0.54%	5.7
P120	S121	788.95	S117	788.67	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	21	85.0	0.33%	55.0
P121	S120	789.14	S121	788.98	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV	15	15.5	1.03%	5.5
P122	S122	789.14	S121	789.05	STORM SEWER (WATER MAIN REQUIREMENTS)	12	15.5	0.58%	5.3
P123	S139	791.00	S115	790.72	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV	12	26.0	1.08%	4.0
P133	S124	789.58	S121	789.05	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	15	117.0	0.45%	43.9
P134	S127	791.49	S124	789.68	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	196.0	0.92%	123.9
P137	S140	789.92	S115	789.76	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV	12	27.5	0.58%	8.8
P138	S142	788.97	S117	788.67	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	26.5	1.13%	9.0
P139	CULVERT	790.84	S142	789.17	STORM SEWERS, CLASS B, TYPE 2"	10	23.5	7.11%	4.1
P140	S141	790.30	S142	789.17	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	21.0	5.38%	5.0
P141	S123	790.05	S124	789.90	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	15.0	1.00%	4.8
P142	S125	790.05	S124	789.90	STORM SEWER (WATER MAIN REQUIREMENTS)	12	15.0	1.00%	4.8

STRUCTURE NUMBER	STATION	OFFSET	TYPE	RIM ELEVATION	INVERT ELEVATIONS				
					N	S	E	W	EGL
S112	97+55.00	18.25	LT. INLETS, TYPE G-1	794.24		790.66			790.99
S113	97+55.00	0.00	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	794.58	790.47	788.55	788.14	788.04	789.94
S114	97+55.00	18.25	RT. INLETS, TYPE G-1	794.24		788.74			789.65
S115	98+45.00	18.25	LT. INLETS, TYPE G-1	793.68		790.72	789.66	789.76	790.60
S116	98+45.00	0.00	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	794.02	789.51		788.42	788.32	790.27
S117	99+20.00	0.00	CATCH BASINS, TYPE G-1 (SEE SPECIAL PROVISION)	793.56	788.67	788.67	788.67	788.57	790.36
S118	99+20.00	18.25	RT. INLETS, TYPE G-1	793.22		788.77			790.34
S119	99+20.00	44.25	RT. INLETS, TYPE A, TYPE 8 GRATE	791.11		789.00			790.37
S120	100+13.00	18.25	LT. INLETS, TYPE G-1, DOUBLE	792.84		789.14	789.24		790.71
S121	100+09.00	0.00	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	793.18	788.98	789.05	789.05	788.95	790.56
S122	100+13.00	18.25	RT. INLETS, TYPE G-1, DOUBLE	792.84		789.14	789.24		790.33
S123	101+30.00	18.25	LT. INLETS, TYPE G-1	793.63		790.05			790.47
S124	101+30.00	0.00	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	793.97	789.90	789.68	789.58	789.52	790.62
S125	101+30.00	18.25	RT. INLETS, TYPE G-1	793.63		790.05			790.47
S139	98+45.00	46.32	LT. INLETS, TYPE A, TYPE 8 GRATE	792.50		791.00			791.82
S140	98+74.24	27.09	LT. INLETS, TYPE G-1	793.25				789.92	790.32
S141	99+20.68	42.20	LT. INLETS, TYPE A, TYPE 8 GRATE	791.80		790.30			790.49
S142	99+37.36	24.91	LT. MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	793.77		788.97	789.17		790.17

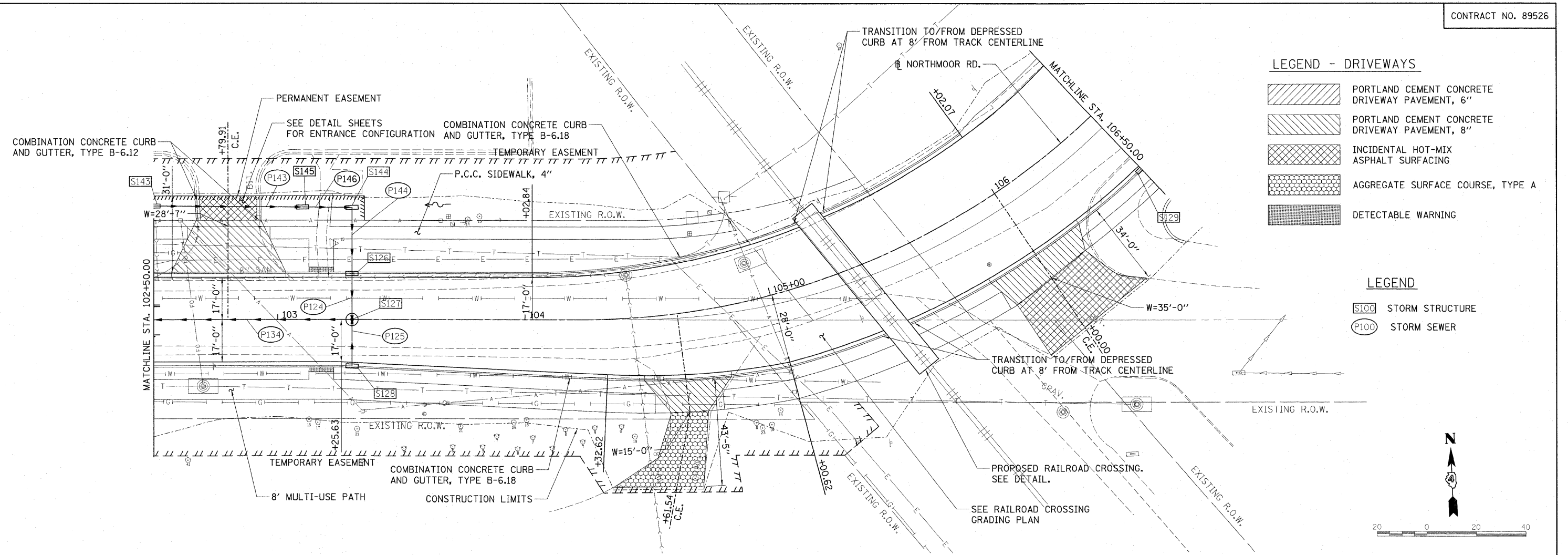


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PLOT DATE: 11/05/2009	DATE: 10/16/2009	REVISED:	REVISED:														
										CONTRACT NO. 89526							

PLAN	REVISION	DATE
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BY	BY	BY
DATE	DATE	DATE
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PROFILE	REVISION	DATE
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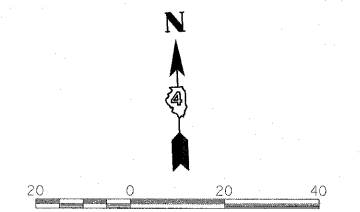


LEGEND - DRIVEWAYS

[Hatched Pattern]	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"
[Hatched Pattern]	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
[Cross-hatched Pattern]	INCIDENTAL HOT-MIX ASPHALT SURFACING
[Dotted Pattern]	AGGREGATE SURFACE COURSE, TYPE A
[Grid Pattern]	DETECTABLE WARNING

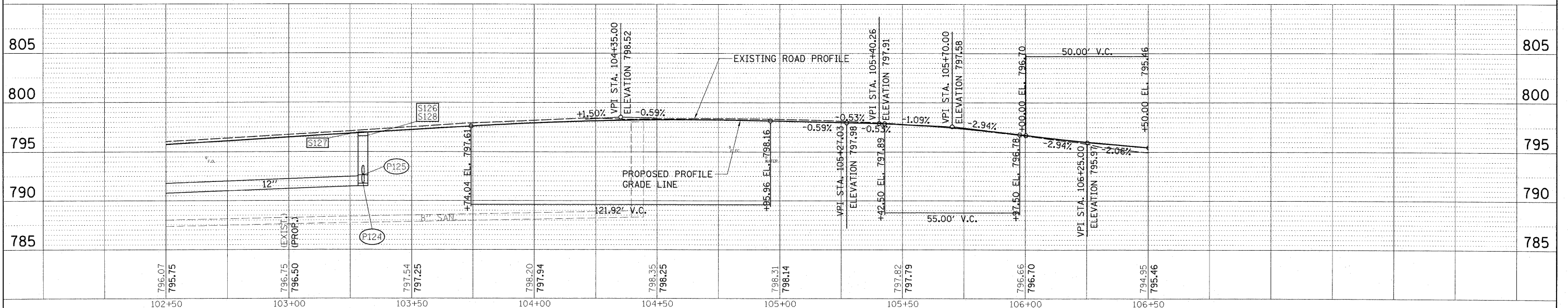
LEGEND

[S100 Symbol]	STORM STRUCTURE
[P100 Symbol]	STORM SEWER



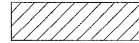
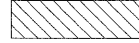

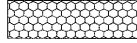

PIPE NUMBER	FROM STRUCTURE	U/S INVERT	TO STRUCTURE	D/S INVERT	CLASS/TYPE	DIAMETER	LENGTH	SLOPE	TRENCH BACKFILL
P124	S126	791.74	S127	791.59	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	15.0	1.00%	10.0
P125	S128	792.81	S127	792.52	STORM SEWER (WATER MAIN REQUIREMENTS)	12	15.5	0.58%	5.0
P134	S127	791.49	S124	789.68	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	196.0	0.92%	123.9
P143	S143	792.48	S145	792.19	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV	12	58.0	0.50%	10.0
P144	S144	791.98	S126	791.84	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III	12	26.0	0.54%	8.9
P146	S145	792.19	S144	792.08	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV	12	18.0	0.61%	3.1



STRUCTURE NUMBER	STATION	OFFSET	TYPE	RIM AND INVERT ELEVATIONS				
				ELEVATION	N	S	E	W
S126	103+30.00	18.25	INLETS, TYPE G-1	796.61	791.84	791.74		
S127	103+30.00	0.00	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	796.95	791.59	792.52		791.49
S128	103+30.00	18.25	INLETS, TYPE G-1	796.61	792.61			
S129	106+50.00	29.25	INLETS, TYPE G-1	794.90				791.11
S143	102+50.00	45.93	INLETS, TYPE A, TYPE 8 GRATE	793.98				792.48
S144	103+30.00	46.37	INLETS, TYPE B, TYPE 8 GRATE	795.40		791.98		792.08
S145	103+10.00	45.46	INLETS, TYPE B, TYPE 8 GRATE	795.80		792.19		792.19

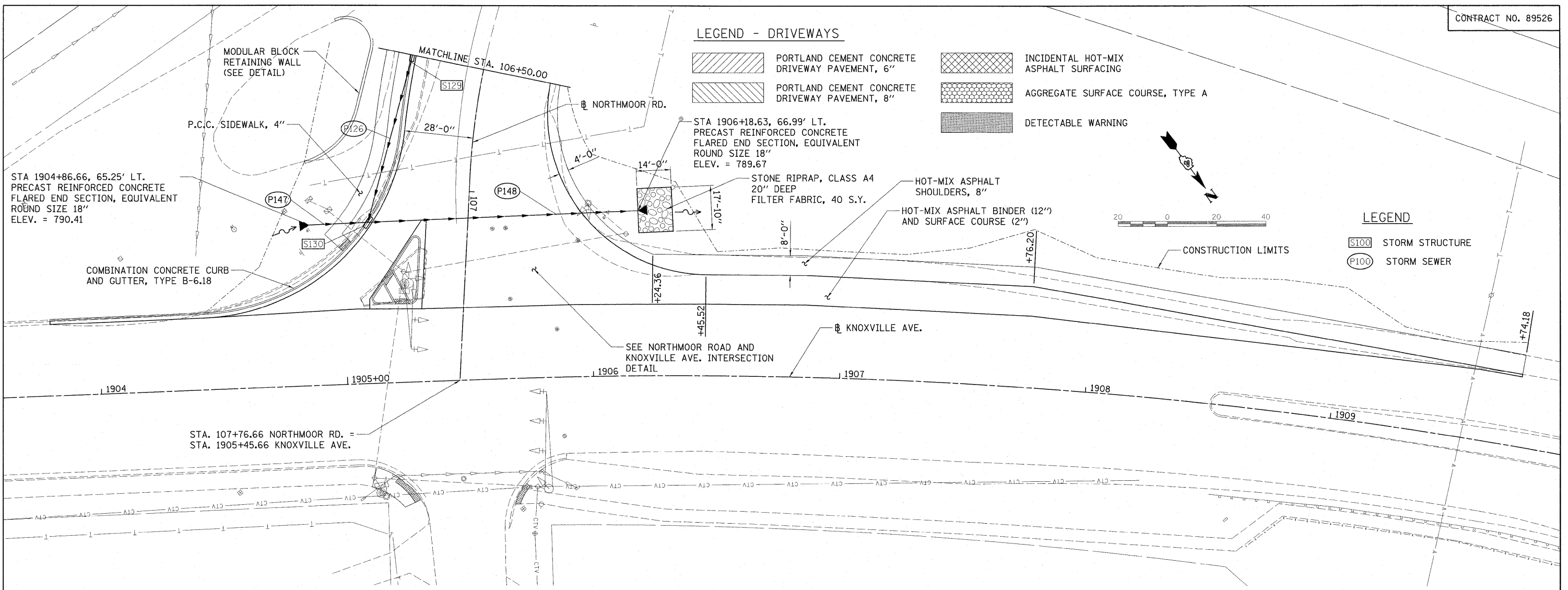


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PLOT SCALE = 20.0000' / in.	DATE = 10/16/2009	DRAWN - RLA	REVISED - CAL			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 102+50.00 TO STA. 106+50.00	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT ARA-M-5093(139)	CONTRACT NO. 89526
		CHECKED -	REVISED -								
		DATE = 10/16/2009	REVISED -								

LEGEND - DRIVEWAYS

-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"
-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
-  INCIDENTAL HOT-MIX ASPHALT SURFACING
-  AGGREGATE SURFACE COURSE, TYPE A
-  DETECTABLE WARNING

- LEGEND
-  S100 STORM STRUCTURE
 -  P100 STORM SEWER



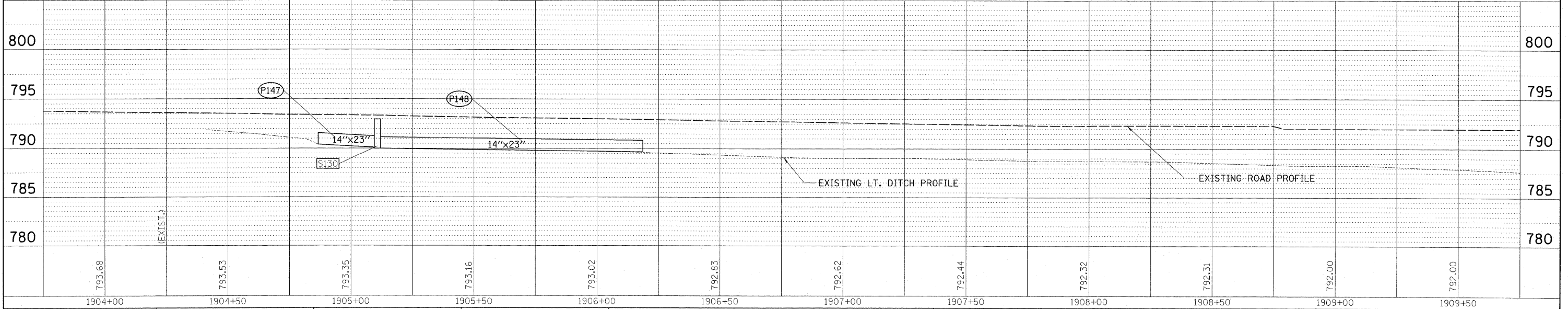
DATE: _____
 BY: _____
 SURVEYED _____
 ALIGNED _____
 CHECKED _____
 PLAN NO. _____

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DATE: _____
 BY: _____
 SURVEYED _____
 GRADES CHECKED _____
 NOTE BOOK NO. _____
 STRUCTURE NOTATIONS CHECKED _____

STRUCTURE NUMBER	STATION	OFFSET	TYPE	RIM ELEVATION	INVERT ELEVATIONS			
					N	S	E	W
S129	106+50.00	29.25	RT.	794.90			791.11	
S130	107+14.57	40.28	RT.	792.96	790.00	789.90	790.00	

PIPE NUMBER	FROM STRUCTURE	U/S INVERT	TO STRUCTURE	D/S INVERT	CLASS/TYPE	DIAMETER	LENGTH	SLOPE	TRENCH BACKFILL
P147	CULVERT	790.41	S130	790.10	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	14x23	22.5	1.37%	1.6
P148	S130	790.00	OUTLET	789.67	STORM SEWERS, TYPE 2, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	14x23	108.5	0.30%	28.6



SUGGESTED SEQUENCE OF WORK / TRAFFIC CONTROL

PHASE 1A - CONSTRUCTION OF TEMPORARY PAVEMENT AND TEMPORARY DRAINAGE

SEQUENCE

1. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
2. REMOVE TREES AS NECESSARY.
3. CONSTRUCT UNDERGROUND CONDUITS, FOUNDATIONS, AND HANDHOLES FOR STREET LIGHTING AND TRAFFIC SIGNALS.
4. RELOCATE EXISTING MAILBOXES AS REQUIRED BY PLANS. MAILBOXES SHALL BE PLACED SUCH THAT THE FACE OF EACH MAILBOX IS BETWEEN 6" AND 9" OFF THE FACE OF CURB AND A MINIMUM OF 10' CLEAR OF ANY DRIVEWAY. SETBACK DISTANCES FROM THE INTERSECTION ARE SHOWN ON THE PLANS.
5. REMOVE EXISTING DRIVEWAY AND SIDE ROAD PAVEMENT WITHIN THE R.O.W. LIMITS ON THE NORTH SIDE OF NORTHMOOR ROAD.
6. EXISTING CULVERTS SHALL BE REMOVED AND RELOCATED AS INDICATED ON THE PLANS. RELOCATED CULVERTS SHALL BE PLACED USING AN OPEN CUT.
7. EMBANKMENT SHALL BE PLACED IN THE CULVERT TRENCHES AND USED TO BRING THE SIDE ROAD EXISTING GRADES TO THE PROPOSED TEMPORARY SUBGRADE ELEVATION.
8. CONSTRUCT TEMPORARY PAVEMENT AS REQUIRED TO PROVIDE ONE 11-FOOT TRAFFIC LANE ON THE NORTH SIDE OF NORTHMOOR ROAD AS SHOWN IN THE STAGING PLANS AND TYPICAL SECTIONS.
9. TEMPORARY PAVEMENT SHALL BE PLACED ON THE SIDE ROADS AND AGGREGATE SHALL BE PLACED ON THE DRIVEWAYS TO PROVIDE A SMOOTH TRANSITION ONTO NORTHMOOR ROAD.
10. CONSTRUCT THE TEMPORARY SWALE AS SHOWN ON THE TYPICAL SECTION OF THE PLANS. THE LONGITUDINAL SLOPE OF THE SWALE SHALL HAVE A MINIMUM 0.5% SLOPE. THE CONTRACTOR SHALL PROVIDE CROSS SLOPES NO GREATER THAN 3:1 WITHIN THE 10' CLEAR ZONE OF THE TEMPORARY DRIVING LANE. THE WEST LIMIT OF THE TEMPORARY SWALE SHALL BE GRADED INTO THE EXISTING SWALE ON THE NORTHEAST CORNER OF THE INTERSECTION OF NORTHMOOR ROAD AND SHERIDAN ROAD. THE COST OF THIS WORK SHALL BE PAID FOR AS EARTH EXCAVATION FOR EROSION CONTROL.
11. DITCH CHECKS SHALL BE PROVIDED AS SHOWN ON THE PLANS AND PAID FOR AS TEMPORARY DITCH CHECKS.
12. USE STANDARD DETAIL 701301 TO CONSTRUCT THE FOLLOWING PROPOSED DRAINAGE ITEMS: MANHOLE S117, SEWER PIPE P138, AND MANHOLE S142 (SEE SHEET 20 FOR DESIGN INFORMATION). MANHOLE S142 SHALL USE TEMPORARY ADJUSTMENT RINGS TO MEET THE TEMPORARY RIM ELEVATION OF 794.28 AND SHALL BE CONSTRUCTED SO THAT THE PROPOSED RIM ELEVATION OF 793.77 CAN BE MET BY REMOVING THE TEMPORARY ADJUSTMENT RINGS. THE COST FOR THE PLACEMENT OF THE ADJUSTMENT RINGS WILL BE INCIDENTAL TO THE MANHOLES TO BE ADJUSTED PAY ITEM.
13. A 10' SECTION OF PROPOSED STORM SEWER PIPE P139 SHALL BE CONSTRUCTED SO THAT THE INLET OF THE PIPE IS LOCATED AT THE LOW POINT OF THE TEMPORARY SWALE AT APPROXIMATE STATION 99+50. THE OUTLET OF THE PIPE WILL BE CONNECTED TO THE PROPOSED MANHOLE S142. THE TEMPORARY INLET INVERT ELEVATION IS 791.18. THE PROPOSED OUTLET INVERT ELEVATION INTO MANHOLE S142 IS 789.17, SEE SHEET 26 FOR PLAN VIEW).
14. THE CONTRACTOR SHALL ENSURE THAT THE PROJECT AREA DRAINAGE IS MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

TRAFFIC CONTROL

1. MAINTAIN TWO-WAY TRAFFIC ALONG NORTHMOOR ROAD AT ALL TIMES DURING PHASE 1A USING STANDARD 701006 AND STANDARD 701301.
2. FOR OFF-ROAD INSTALLATION OF STORM SEWER AND UNDERGROUND UTILITIES, USE TRAFFIC CONTROL STANDARD 701006.

PHASE 1B - ROADWAY CONSTRUCTION - SOUTH SIDE OF NORTHMOOR ROAD

SEQUENCE

1. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
2. DETOUR EASTBOUND NORTHMOOR ROAD TRAFFIC ALONG SHERIDAN ROAD AS INDICATED ON THE SUGGESTED DETOUR PLAN.
3. INSTALL TEMPORARY CONCRETE BARRIER AND TRAFFIC CONTROL DEVICES AS SHOWN ON THE PLANS. THE PROPOSED ROADWAY PROFILE FOR NORTHMOOR ROAD IS SIGNIFICANTLY LOWER THAN EXISTING GRADE. TEMPORARY CONCRETE BARRIER SHALL BE INSTALLED WITH TEMPORARY PAVEMENT MARKINGS TO DELINEATE THE TRAVEL LANE FOR WESTBOUND NORTHMOOR ROAD.

PHASE 1B - ROADWAY CONSTRUCTION - SOUTH SIDE OF NORTHMOOR ROAD (CON'T.)

SEQUENCE

4. REMOVE EXISTING PAVEMENT, DRIVEWAY PAVEMENT, PIPE CULVERTS, AND MISCELLANEOUS ITEMS ON THE SOUTH SIDE OF NORTHMOOR ROAD.
5. CONSTRUCT PROPOSED STORM SEWER MAIN AS PART OF THE PHASE 1 WORK. CONNECT STORM SEWER TO STORM SEWER ITEMS CONSTRUCTED IN PHASE 1A. STUB PIPE AND PLUG AT LOCATIONS THAT EXTEND ACROSS THE PAVEMENT TO BE CONSTRUCTED IN PHASE 2. THE EXISTING CULVERT AT STATION 99+50 MUST REMAIN ACTIVE UNTIL THE MAINLINE SEWER TO THE WEST IS BEEN CONSTRUCTED AND IN USE.
6. CONSTRUCT PROPOSED HMA PAVEMENT, SIDEWALKS, ENTRANCE ETC. ALONG THE SOUTH SIDE OF NORTHMOOR ROAD AND THE INTERSECTION OF NORTHMOOR ROAD AT KNOXVILLE AVENUE.
7. INSTALL PROPOSED TRAFFIC SIGNALS AND STREET LIGHTING.
8. PERFORM FINAL EARTHWORK REQUIRED ADJACENT TO THE NEWLY CONSTRUCTED ROADWAYS.
9. CONSTRUCT ANY INCIDENTAL BITUMINOUS SURFACING AS REQUIRED TO BLEND THE PROPOSED PAVEMENT WITH THE EXISTING PAVEMENT FOR USE BY TRAFFIC.

TRAFFIC CONTROL

1. MAINTAIN WESTBOUND NORTHMOOR ROAD TRAFFIC USING STANDARDS 701501 AND 701601 AND UTILIZE THE TEMPORARY CONCRETE BARRIER TO PROTECT THE VERTICAL DIFFERENCE AND WORK ZONE AS INDICATED ON THE PLANS. ALL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES. PLACE ONE-WAY WESTBOUND TRAFFIC SIGNS AT ALL ENTRANCES AND SIDE ROADS.
2. CONSTRUCT THE CORNER ISLAND AT NORTHMOOR ROAD AND KNOXVILLE AVENUE. USING STANDARD 701707.
3. COMMERCIAL ENTRANCES SHALL BE CONSTRUCTED HALF AT A TIME TO MAINTAIN CONTINUOUS ACCESS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. CONSTRUCTION OF NORTHMOOR ROAD WILL REQUIRE ONE LANE (WESTBOUND ONLY) OF TRAFFIC TO BE OPEN AT ALL TIMES. ACCESS TO ALL STREETS, ALLEYS, AND ENTRANCES SHALL BE MAINTAINED AT ALL TIMES. DETOUR SIGNS WILL DIRECT EASTBOUND NORTHMOOR ROAD TRAFFIC TO BE ROUTED AROUND THE CONSTRUCTION AS REQUIRED. SEE TRAFFIC CONTROL PLAN SPECIAL PROVISION & SHEET 27 FOR SUGGESTED DETOUR PLAN.

PHASE 2 - ROADWAY CONSTRUCTION - NORTH SIDE NORTHMOOR ROAD

SEQUENCE

1. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PHASE 2 WITH THE CONSTRUCTION OF THE NORTHMOOR ROAD AND SHERIDAN ROAD INTERSECTION.
2. OPEN THE SOUTH SIDE OF NORTHMOOR ROAD AND MAINTAIN A MINIMUM ONE LANE OF TRAFFIC IN EACH DIRECTION. APPLY TEMPORARY PAVEMENT MARKINGS AS NECESSARY TO DELINEATE TWO 12-FOOT TRAVEL LANES.
3. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
4. REMOVE REMAINING EXISTING PAVEMENT, DRIVEWAY PAVEMENT, TEMPORARY PAVEMENT (PLACED IN PHASE 1B), TEMPORARY CONCRETE BARRIER, AND MISCELLANEOUS ITEMS ON THE NORTH SIDE OF NORTHMOOR ROAD. THE SUB-BASE GRANULAR MATERIAL, TYPE A USED FOR TEMPORARY PAVEMENT SHALL BE SALVAGED AND REUSED FOR THE PROPOSED PAVEMENT. SEE PROPOSED PLANS.
5. REMOVE TEMPORARY PIPE P139 PLACED IN PHASE 1B AND RE-USE THE TEMPORARY PIPE TO CONSTRUCT THE PROPOSED PIPE P139 AS SHOWN ON SHEET 20. ADJUST MANHOLE S142 TO THE ELEVATION SHOWN ON SHEET 20. CONSTRUCT THE PROPOSED STORM SEWER IMPROVEMENTS, AND CONNECT TO STORM SEWER MAIN CONSTRUCTED IN PHASE 1.
6. CONSTRUCT PROPOSED HMA PAVEMENT, SIDEWALKS, ENTRANCES, ETC. ALONG THE NORTH SIDE OF NORTHMOOR ROAD.
7. REMOVE AND RELOCATE MAILBOXES TO THE LOCATIONS SHOWN ON THE PROPOSED PLANS.
8. PERFORM FINAL EARTHWORK ADJACENT TO THE NEWLY CONSTRUCTED ROADWAYS.

TRAFFIC CONTROL

1. OPEN TRAFFIC TO EASTBOUND AND WESTBOUND NORTHMOOR ROAD PER STANDARD 701502. ALL SIDE ROADS AND ENTRANCES SHALL REMAIN OPEN DURING PHASE 2.
2. CONSTRUCT THE SHOULDER ALONG KNOXVILLE AVENUE USING STANDARD 701707.
3. PROVIDE GAPS IN THE LANE CLOSURES FOR ALL PRIVATE ENTRANCES TO MAINTAIN LOCAL ACCESS (AT ALL TIMES EXCEPT DURING PAVING OPERATIONS).

PHASE 3 - PAVEMENT MARKING AND SOIL STABILIZATION

SEQUENCE

1. APPLY PERMANENT PAVEMENT MARKING TO NORTHMOOR ROAD. OPEN ALL LANES OF TRAFFIC.
2. FINAL SHAPE ALL EARTHWORK AREAS. SEED AND MULCH AS REQUIRED.

TRAFFIC CONTROL

1. MAINTAIN ACCESS TO ALL ENTRANCES AND SIDE ROADS DURING PAVEMENT MARKING.

GENERAL TRAFFIC CONTROL NOTES

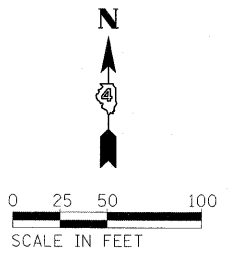
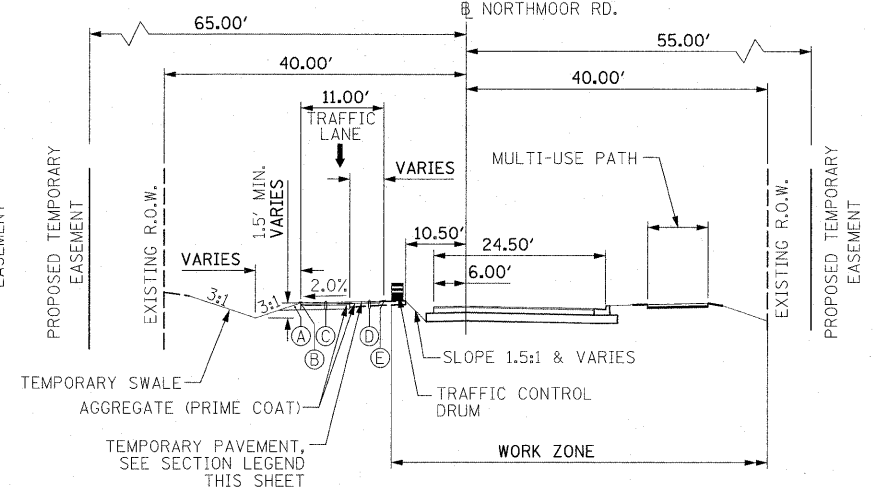
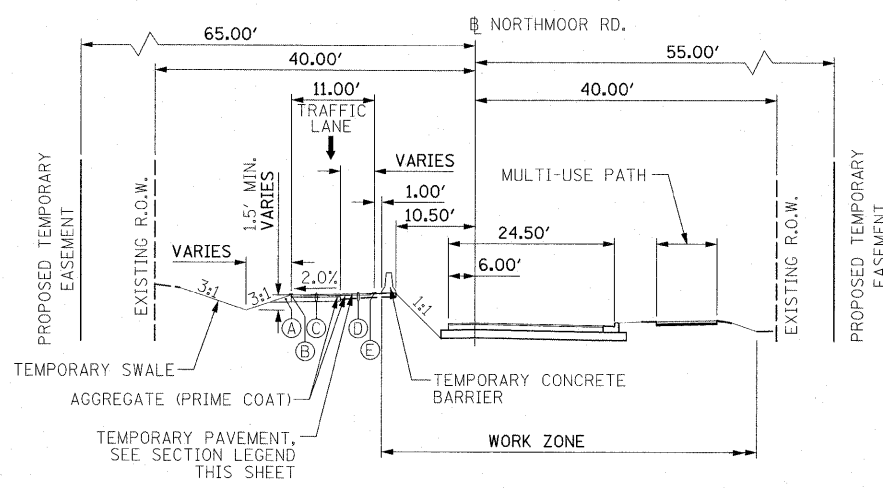
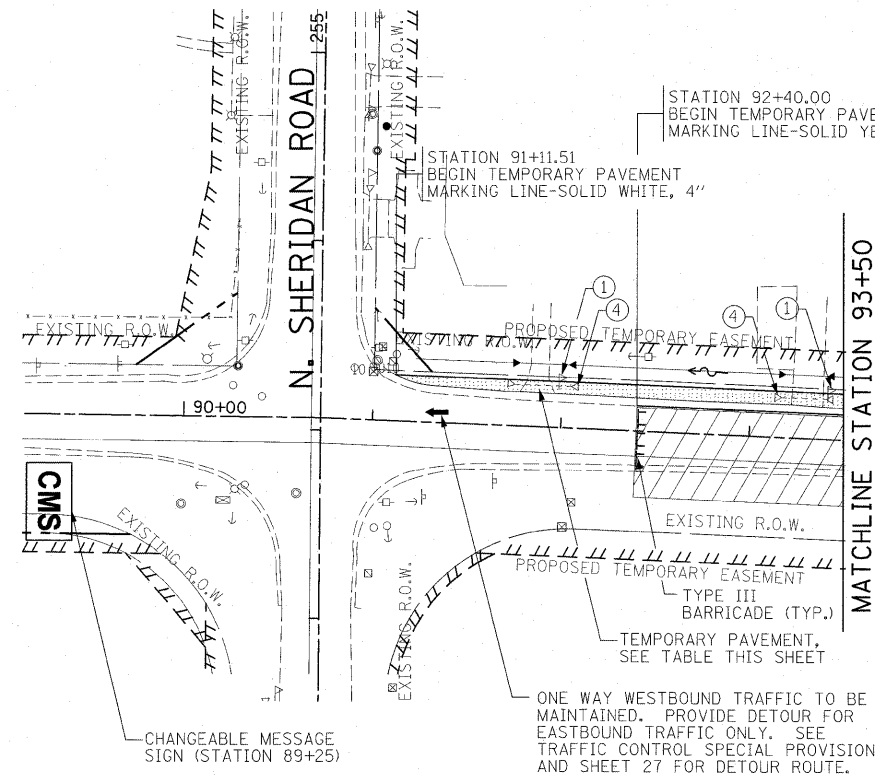
1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE FOLLOWING HIGHWAY STANDARDS: 701006, 701301, 701501, 701502, 701601, 704001, 701701, 701901. FOR ALL LANE CLOSURES ON NORTHMOOR ROAD USE STANDARDS 701301, 701501, 701502, OR 701601. FOR ALL LANE CLOSURES AND WORK OPERATIONS AT THE NORTHMOOR ROAD / KNOXVILLE AVENUE INTERSECTION, USE STANDARD 701701.
2. PROVIDE GAPS IN LANE CLOSURES TO MAINTAIN LOCAL ACCESS TO ALL SIDE ROADS AND ENTRANCES EXCEPT AS DESCRIBED IN THE SUGGESTED CONSTRUCTION SEQUENCE.
3. TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES.
4. ARROW BOARDS WILL BE REQUIRED FOR ALL LANE CLOSURES ON NORTHMOOR ROAD.
5. PAVEMENT TO BE REMOVED SHALL BE SAWCUT FULL DEPTH ADJACENT TO PAVEMENT TO REMAIN. SAWCUT SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
6. THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING ALL TRAFFIC CONTROL ITEMS IN THE CONTRACT DOCUMENTS SHALL BE INCLUDED IN THE CONTRACT BID UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION. TEMPORARY CONCRETE BARRIER AND TEMPORARY PAVEMENT MARKING WILL BE PAID FOR SEPARATELY.
7. ALL TYPE III BARRICADES SHALL CONTAIN A ROAD CLOSED SIGN R11-2.
8. CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS AND SIGNS WHEN IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS AND SIGNS.

GENERAL CONSTRUCTION NOTES

1. ADEQUATE DRAINAGE SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
2. ACCESS TO DRIVEWAY ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.
3. TEMPORARY BITUMINOUS RAMPS FOR THE BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE 406 OF THE STANDARD SPECIFICATIONS AS REQUIRED TO MAINTAIN ACCESS TO BUSINESSES AND RESIDENCES.
4. ANY SIGNIFICANT CHANGES IN THE SUGGESTED CONSTRUCTION SEQUENCE SHALL BE SUBMITTED IN WRITING TO THE RESIDENT ENGINEER FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO THE REVISED STAGE CONSTRUCTION.
5. CONTRACTOR SHALL COORDINATE ALL EXCAVATION AND CONCRETE CONSTRUCTION WITH THE ELECTRICAL SUBCONTRACTOR AND WITH ALL UTILITY COMPANIES AND THEIR SUBCONTRACTORS TO ENSURE THE INSTALLATION OF ALL CONDUITS AND OTHER UNDERGROUND IMPROVEMENTS PRIOR TO THE VARIOUS STAGES OF CONSTRUCTION.
6. CONSTRUCTION OF SIDE ROAD INTERSECTION IMPROVEMENTS SHALL BE COORDINATED IN SUCH A WAY AS TO MINIMIZE THE DURATION OF CLOSURE.



FILE NAME =	USER NAME = Ander-08846	DESIGNED - LC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION STAGING AND GENERAL NOTES NORTHMOOR ROAD STAGE 3 IMPROVEMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\09Jobs\09L0027B\CADD\Road\Sheet\1E1V2206.S-99w.dgn		DRAWN - BID/LC	REVISED -			6647	08-00302-00-PV	PEORIA	85	24
		CHECKED - CEF/DTQ	REVISED -			09-0047-01-PV		CONTRACT NO. 89526		
		DATE - 10-16-09	REVISED -			SCALE: N/A	STA. 89+00 TO STA. 107+47	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-M-5093(139)

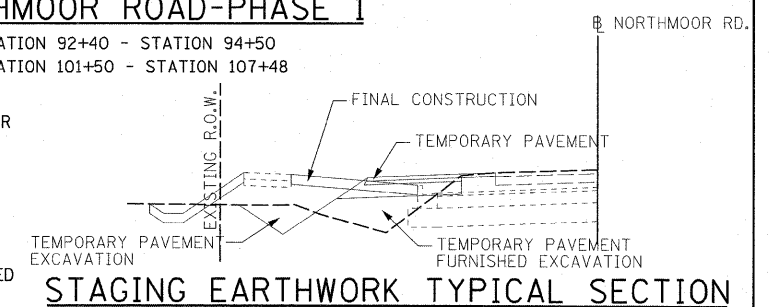


MAINTENANCE OF TRAFFIC TYPICAL SECTION
W. NORTHMOOR ROAD-PHASE 1
 STATION 94+50 - STATION 101+50

MAINTENANCE OF TRAFFIC TYPICAL SECTION
W. NORTHMOOR ROAD-PHASE 1
 STATION 92+40 - STATION 94+50
 STATION 101+50 - STATION 107+48

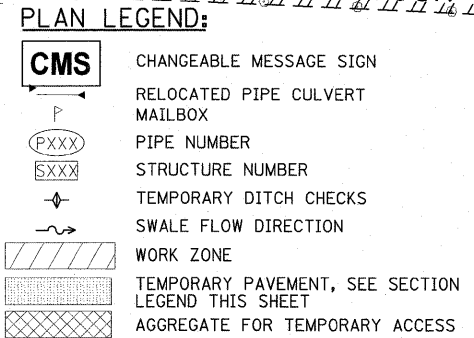
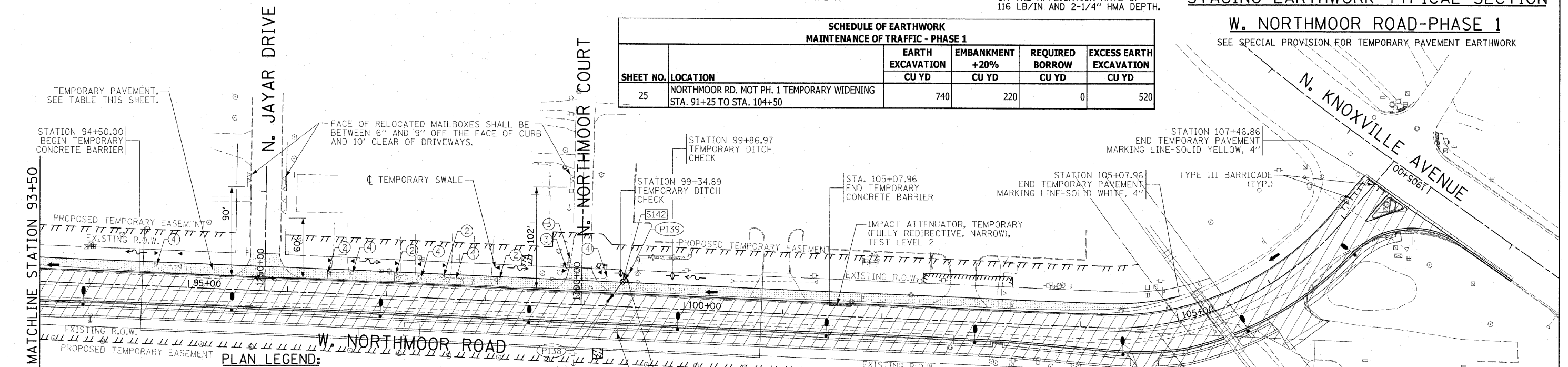
SECTION NOTES:

- (A) COMPACTED EMBANKMENT (COST INCIDENTAL TO EARTH EXCAVATION)
 - (B) TEMPORARY PAVEMENT MARKING LINE-SOLID WHITE, 4"
 - (C) 261 LB/SY, HMA BINDER COURSE, IL-19.0, N50 ON 261 LB/SY, HMA BINDER COURSE, IL-19.0, N50 ON 8" SUB-BASE GRANULAR MATERIAL, TYPE A
 - (D) 261 LB/SY, HMA BINDER COURSE, IL-19.0, N50 ON EXISTING SHOULDER MILLED TO 2.25" MAX. SHOULDER MILLING COST SHALL BE PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 - (E) TEMPORARY PAVEMENT MARKING LINE-SOLID YELLOW, 4"
- NOTE: 261 LB/SY DETERMINED BASED ON THE APPLICATION RATE OF 116 LB/IN AND 2-1/4" HMA DEPTH.



STAGING EARTHWORK TYPICAL SECTION
W. NORTHMOOR ROAD-PHASE 1
 SEE SPECIAL PROVISION FOR TEMPORARY PAVEMENT EARTHWORK

SCHEDULE OF EARTHWORK MAINTENANCE OF TRAFFIC - PHASE 1					
SHEET NO.	LOCATION	EARTH EXCAVATION	EMBANKMENT +20%	REQUIRED BORROW	EXCESS EARTH EXCAVATION
		CU YD	CU YD	CU YD	CU YD
25	NORTHMOOR RD. MOT PH. 1 TEMPORARY WIDENING STA. 91+25 TO STA. 104+50	740	220	0	520



PLAN NOTES:

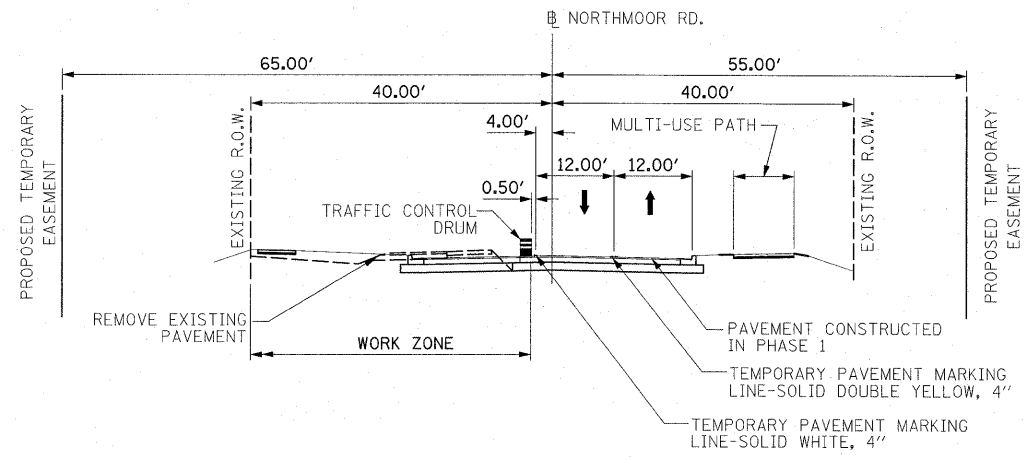
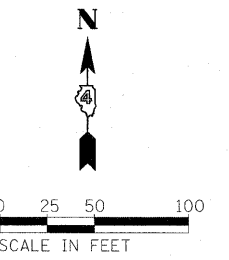
- 1. RELOCATE EXISTING MAILBOXES TO THE WEST SIDE OF JAYAR DRIVE AS SHOWN.
- 2. RELOCATE EXISTING MAILBOXES TO THE EAST SIDE OF JAYAR DRIVE AS SHOWN.
- 3. RELOCATE EXISTING MAILBOXES NORTH OF PROPOSED CONSTRUCTION LIMITS AS SHOWN.
- 4. RELOCATE EXISTING CULVERTS TO THE FLOWLINE OF THE TEMPORARY SWALE AS SHOWN. SEE SHEET 26 FOR SCHEDULE OF CULVERT RELOCATIONS.

AGGREGATE FOR TEMPORARY ACCESS			
STATION FROM	STATION TO	WIDTH (FT.)	AREA (SY.)
91+81.32	91+93.17	12.5	15
93+21.97	93+38.40	13.0	24
95+57.72	95+96.11	13.0	47
96+43.29	96+60.82	13.0	23
97+13.67	97+28.28	13.0	22
97+63.91	97+73.42	13.0	13
97+86.94	98+04.85	13.0	27
9879+51.00	99+12.03	13.0	39
100+70.40	101+16.33	13.0	57
102+61.56	102+98.29	13.0	42
TOTAL TEMPORARY AGGREGATE =		309	

TEMPORARY PAVEMENT SUMMARY			
STATION FROM	STATION TO	WIDTH (FT.)	AREA (SY.)
91+51.11	91+77.61	VARIES	37
91+77.61	93+21.82	VARIES	110
93+21.82	95+46.41	VARIES	232
95+46.41	103+21.15	VARIES	806
103+21.15	105+07.96	VARIES	118
TOTAL TEMPORARY PAVEMENT =		1,303	

TEMPORARY PAVEMENT NOTES:

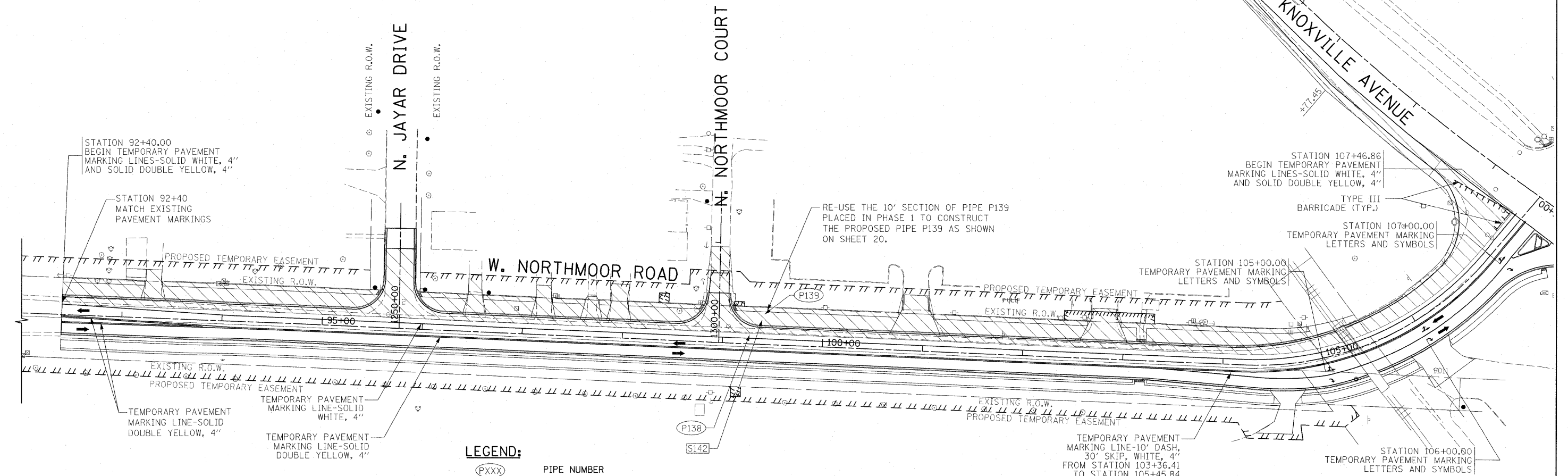
- 1. QUANTITIES SHOWN ARE FLOODED AREAS FROM THE MICROSTATION FILE.
- 2. THE OUTSIDE EDGE OF THE TEMPORARY PAVEMENT FOR THE TRAVEL LANE IS 24.38' LT OF W. NORTHMOOR ROAD.
- 3. WIDTHS SHOWN FOR AGGREGATE FOR TEMPORARY ACCESS MEASURE THE DISTANCE FROM THE R.O.W. LINE OF THE DRIVEWAY/ STREET TO THE OUTSIDE EDGE OF THE TEMPORARY TRAVEL LANE.



**MAINTENANCE OF TRAFFIC PIPE CULVERT RELOCATION
(INCLUDED IN THE COST OF PIPE CULVERT REMOVAL SPECIAL)**

LOCATION		PIPE CULVERT RELOCATION	
UPSTREAM STATION	DOWNSTREAM STATION	DIAMETER - INCH	APPROX LENGTH (FOR INFORMATIONAL PURPOSES ONLY)
NORTHMOOR ROAD			
92+03, 34' LT	91+77, 34' LT	15	26
93+40, 34' LT	93+18, 34' LT	12	22
94+88, 34' LT	94+68, 34' LT	12	20
96+43, 34' LT	96+62, 34' LT	8	19
97+11, 34' LT	97+30, 34' LT	12	19
97+59, 34' LT	98+09, 34' LT	12	40
98+80, 34' LT	99+12, 34' LT	15	32
TOTAL			178

**MAINTENANCE OF TRAFFIC TYPICAL SECTION
NORTHMOOR ROAD-PHASE 2**
STATION 92+40 - STATION 107+48

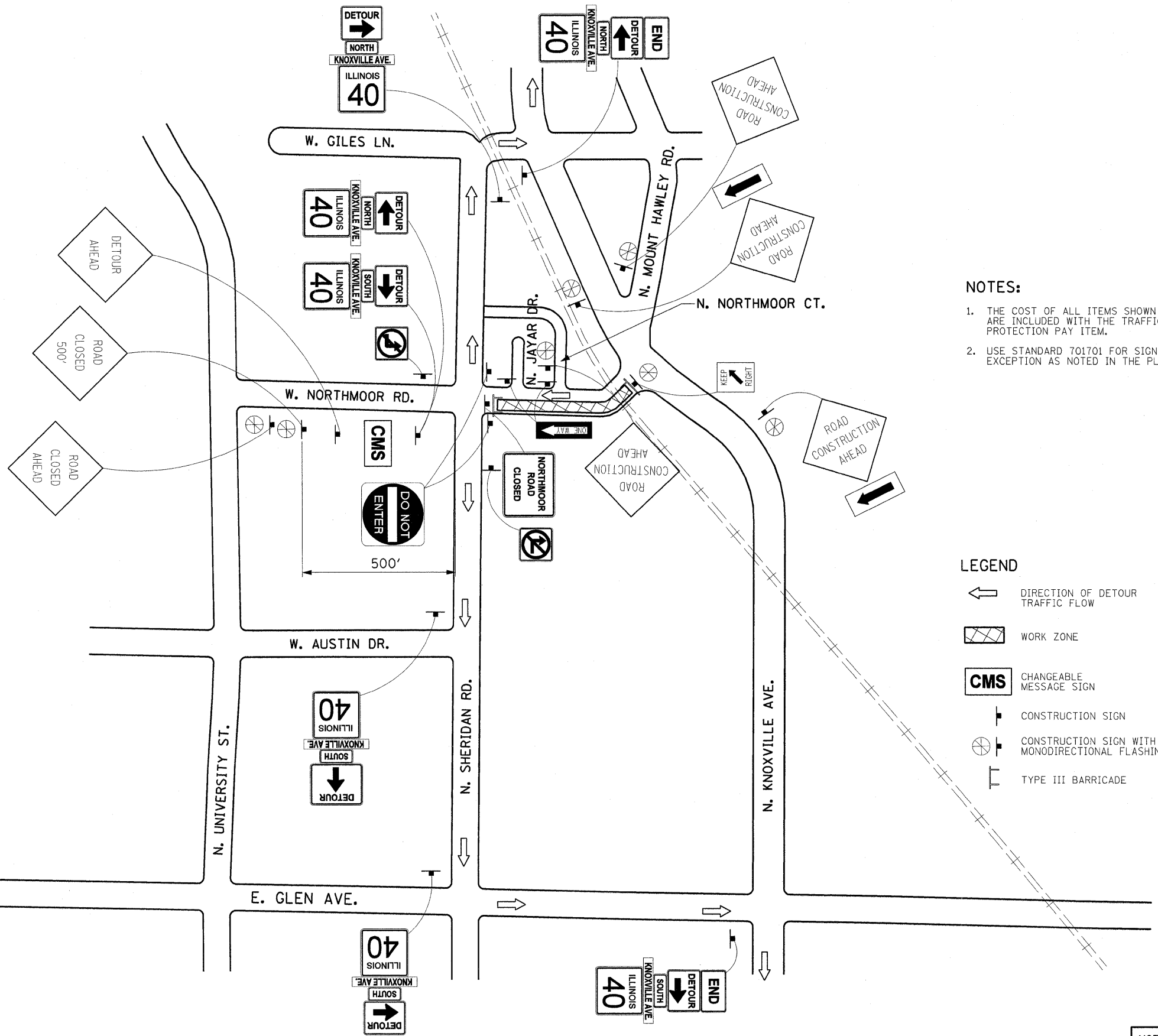


LEGEND:

	PIPE NUMBER
	STRUCTURE NUMBER
	WORK ZONE

INFRASTRUCTURE ENGINEERING INCORPORATED
456 Fulton Street | Suite 104 | Peoria, IL 61602
P 309.637.9200 | F 309.637.9210 | www.infrastructure-eng.com

FILE NAME = I:\09Jobs\09L08278\CADD\Road\Sheet\IE1\2206_S-mot-stg111-02.dgn	USER NAME = Ander08846	DESIGNED - LC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 3 PHASE 2	F.A.U. RTE. = 6647	SECTION = 08-00302-00-PV	COUNTY = PEORIA	TOTAL SHEETS = 85	SHEET NO. = 26	
PLOT SCALE = 50.0000' / in.	DATE = 11/05/2009	DRAWN - BID/LC	REVISED -			SCALE: 1"=50'	STA. 92+00 TO STA. 107+47	CONTRACT NO. 89526		FED. ROAD DIST. NO. = ILLINOIS	FED. AID PROJECT = ARA-M-5093(139)
		CHECKED - CEF/DTQ	REVISED -								
		DATE = 10-16-09	REVISED -								



NOTES:

1. THE COST OF ALL ITEMS SHOWN ON THIS SHEET ARE INCLUDED WITH THE TRAFFIC CONTROL AND PROTECTION PAY ITEM.
2. USE STANDARD 701701 FOR SIGN SPACING WITH THE EXCEPTION AS NOTED IN THE PLAN.

- LEGEND**
- DIRECTION OF DETOUR TRAFFIC FLOW
 - WORK ZONE
 - CHANGEABLE MESSAGE SIGN
 - CONSTRUCTION SIGN
 - CONSTRUCTION SIGN WITH TYPE B MONODIRECTIONAL FLASHING LIGHT
 - TYPE III BARRICADE

MOT SPEED LIMIT = 30 MPH



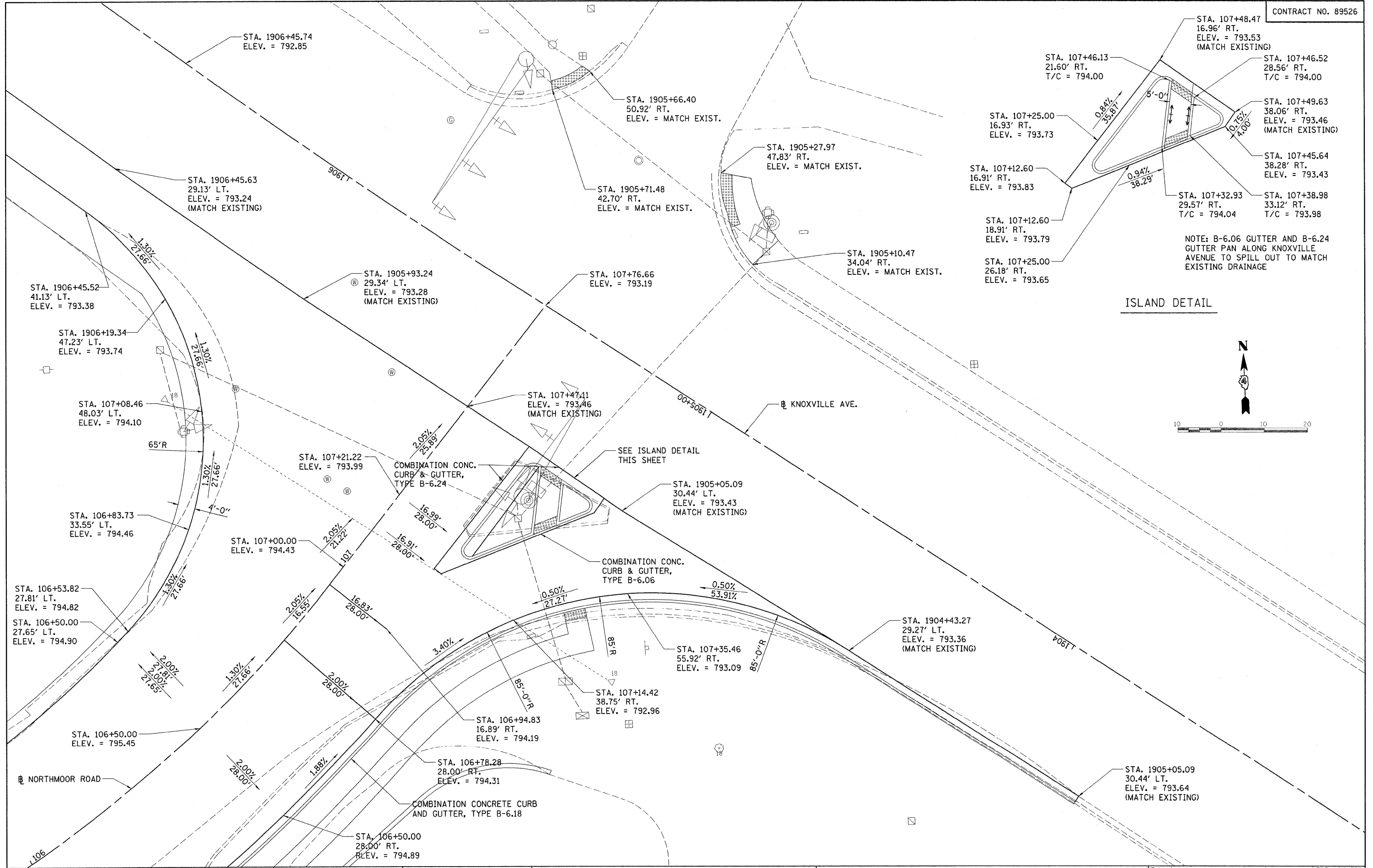
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PLOT DATE = 10\16\2009		DATE - 10-16-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

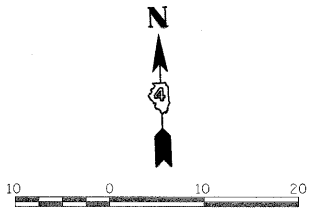
**SUGGESTED DETOUR PLAN
STAGE 3 PHASE 1**

SCALE: N.T.S. STA. 89+00 TO STA. 107+47

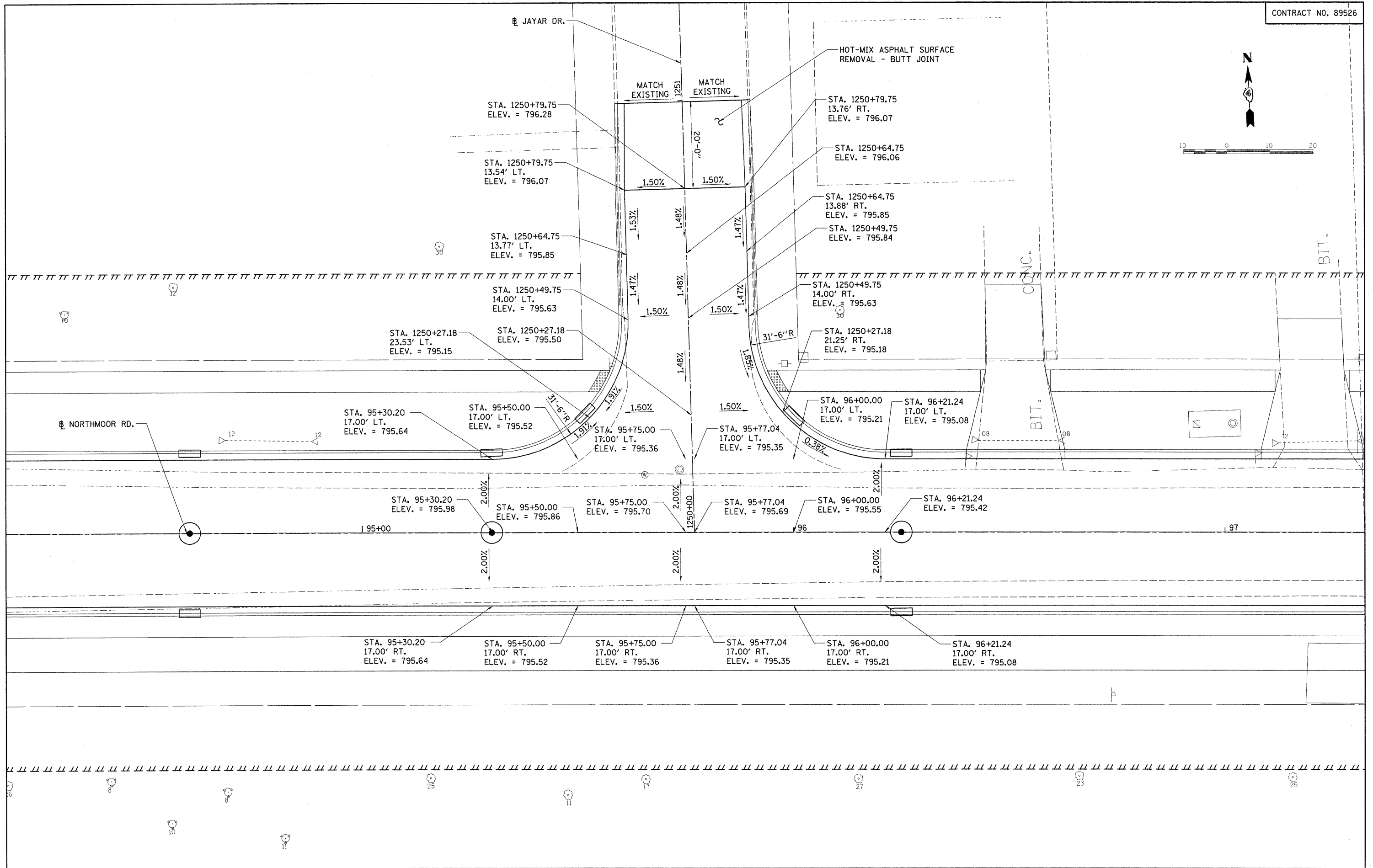
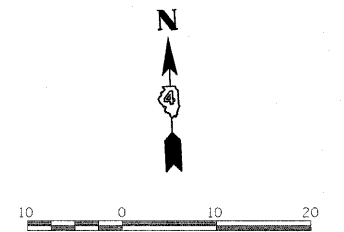
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6647	08-00302-00-PV	PEORIA	85	27
	09-00047-01-PV			CONTRACT NO. 89526
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		ARA-M-5093(139)	



ISLAND DETAIL

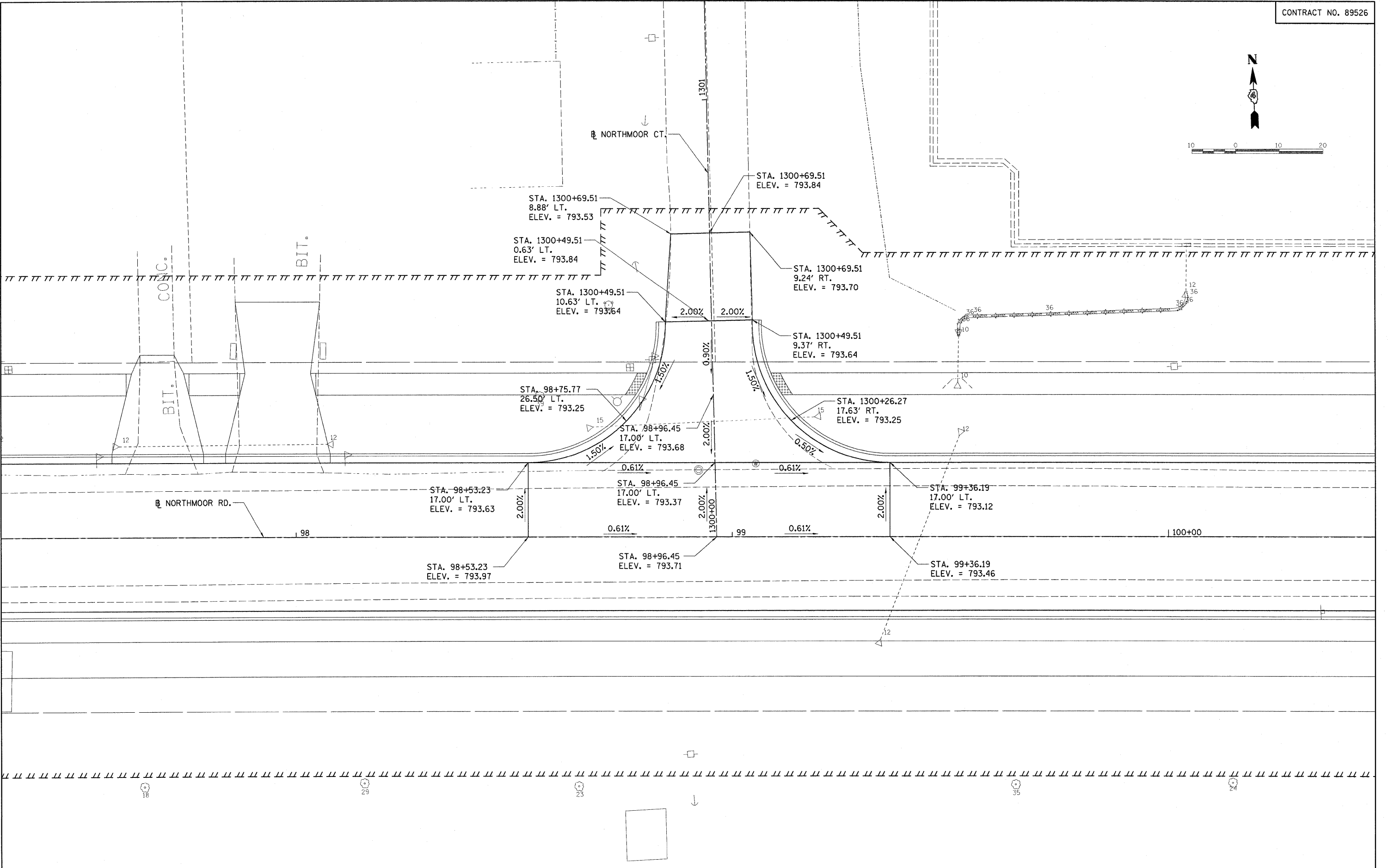
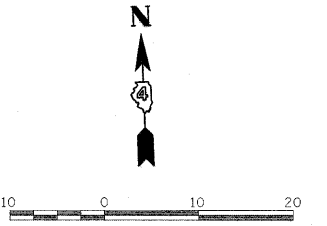


FILE NAME =	USER NAME = Ander00846	DESIGNED - DLC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. AND KNOXVILLE AVE INTERSECTION DETAIL	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 10.0000' / in.		CHECKED - CAL	REVISED -			09-00047-01-PV		CONTRACT NO. 89526		
PLOT DATE = 10/16/2009		DATE - 10/16/2009	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



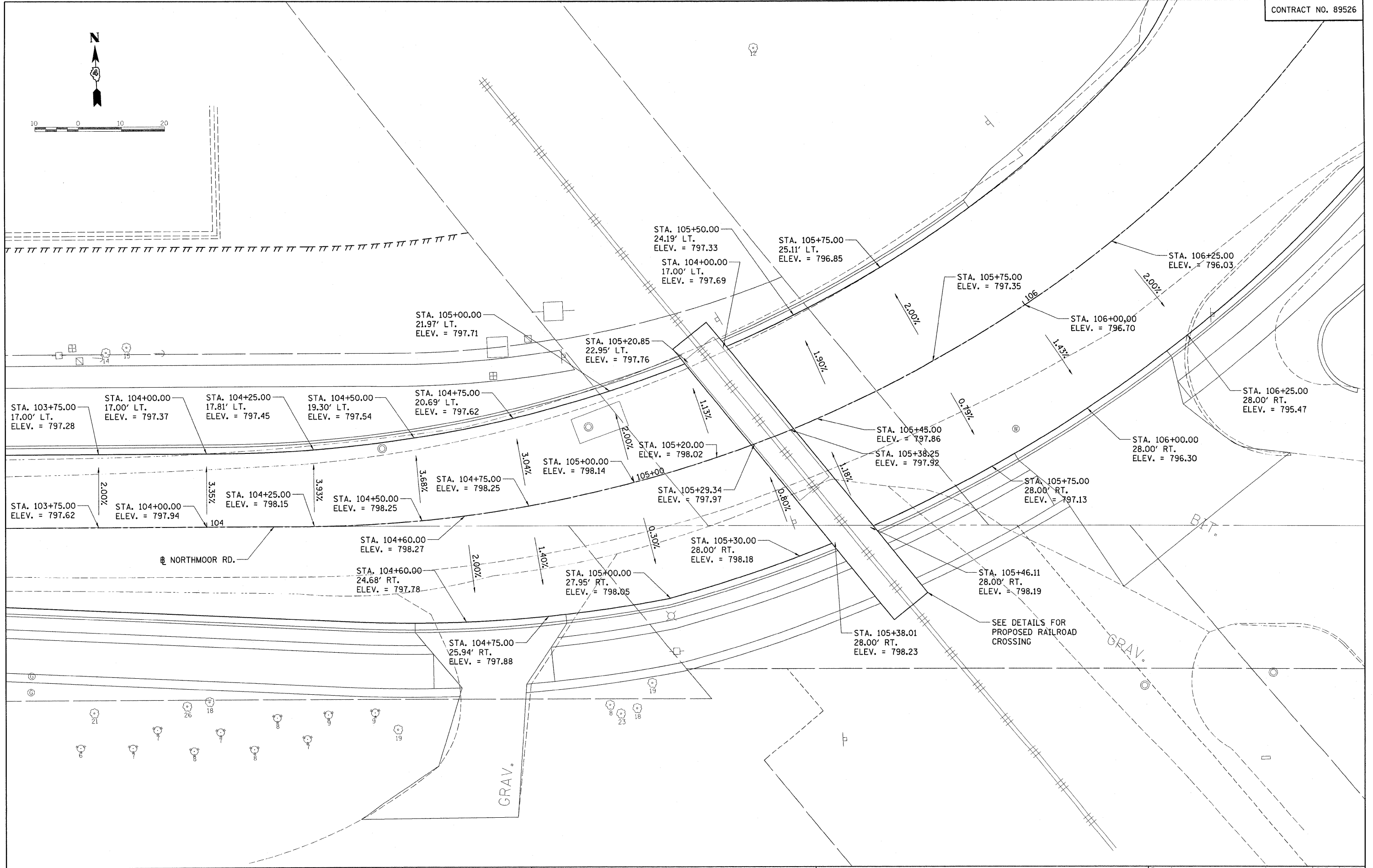
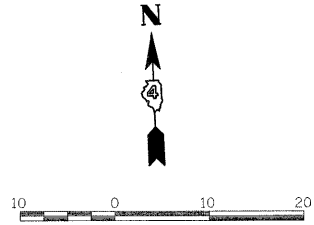
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FILE NAME =	USER NAME = Ander02846	DESIGNED - DLC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. AND JAYAR DR INTERSECTION DETAIL	F.A.J. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 29	
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	PLOT DATE = 10/16/2009	CHECKED - CAL	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-N-5093(139)	
		DATE - 10/16/2009	REVISED -								



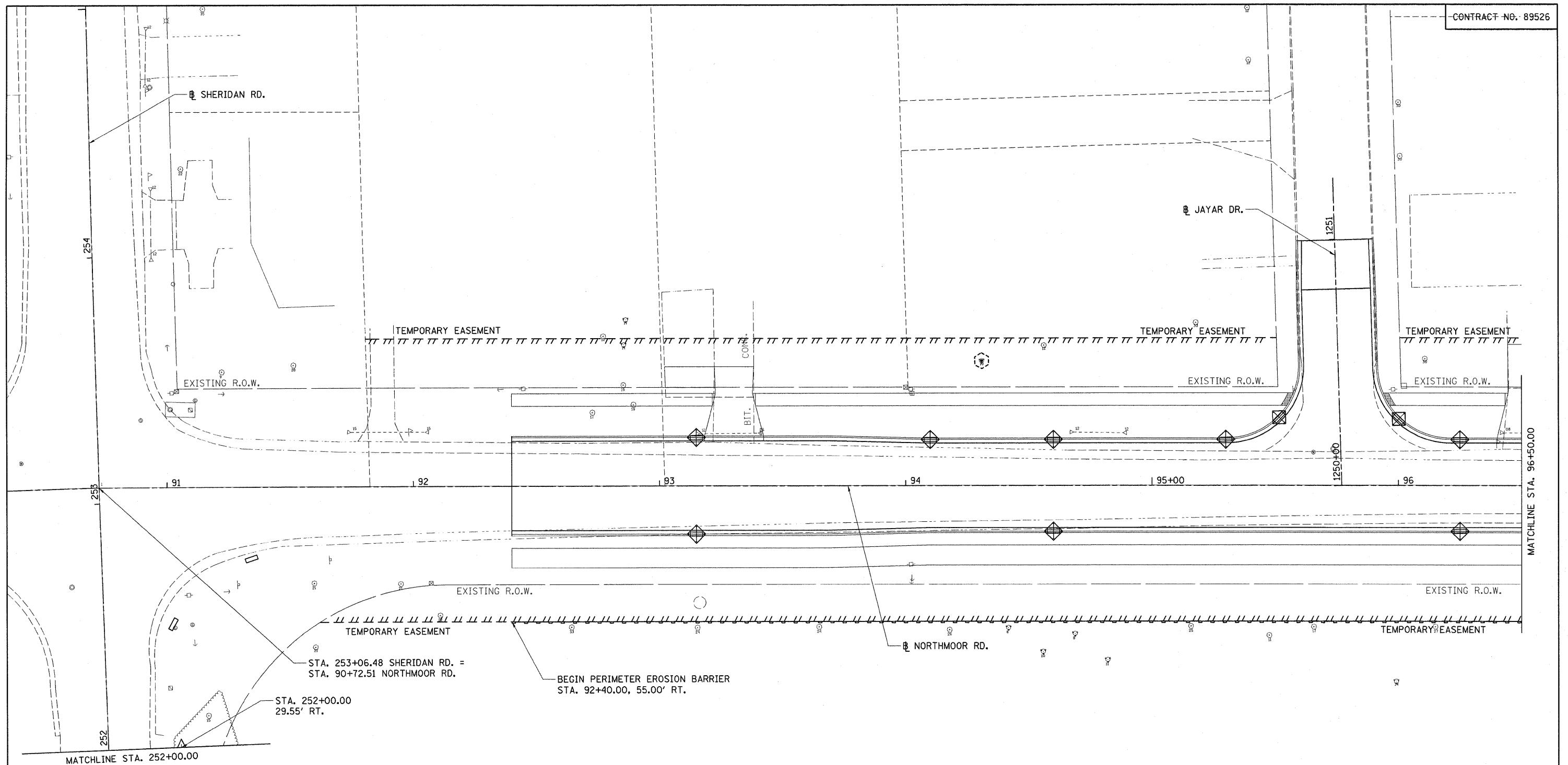
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FILE NAME =	USER NAME = Ander-08846	DESIGNED - DLC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. AND NORTHMOOR CT INTERSECTION DETAIL	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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
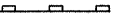




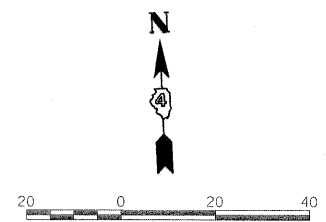
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FILE NAME =	USER NAME = Ander02846	DESIGNED - MPB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAILROAD CROSSING GRADING PLAN STA. 103 + 75.00 TO STA. 106 + 25.00	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\09\Jobs\09\0227\B\CADD\Road\Sheet\c-506det.dgn		DRAWN - RLA	REVISED -			6647	08-00302-00-PV	PEORIA	85	31
PLOT SCALE = 10,0000' / 1"		CHECKED - CAL	REVISED -			09-00047-01-PV		CONTRACT NO. 89526		
PLOT DATE = 10/16/2009		DATE - 10/16/2009	REVISED -			SCALE: 1"=10'	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  INLET FILTER/INLET & PIPE PROTECTION
-  TREE TRUNK PROTECTION

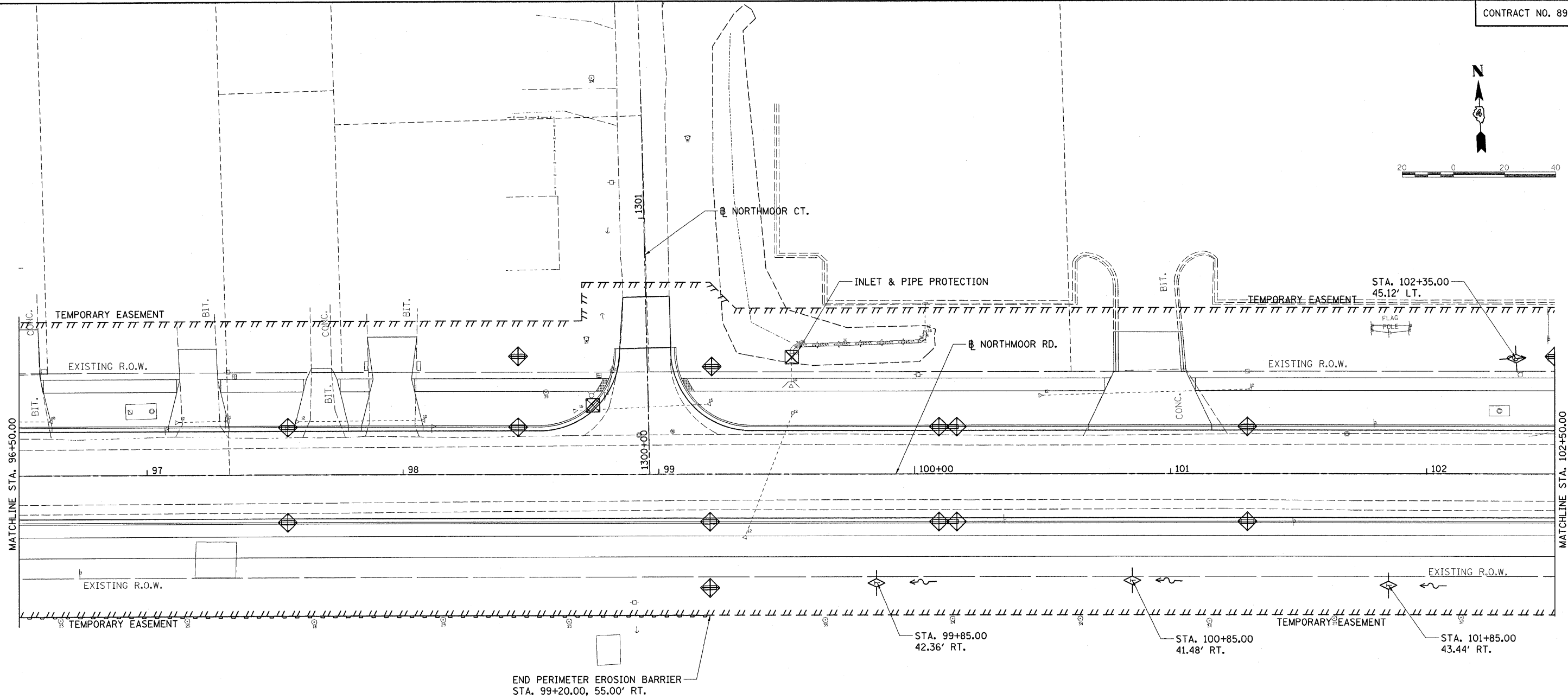
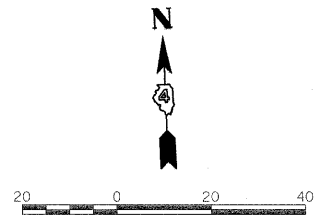


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


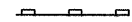


NORTHMOOR RD. EROSION CONTROL PLAN			
SCALE: 1"=20'	SHEET NO. 07	OF SHEETS 85	STA. 92+40.00 TO STA. 96+50.00

F.A.J. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 32
	09-00047-01-PV		CONTRACT NO. 89526	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)				




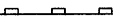


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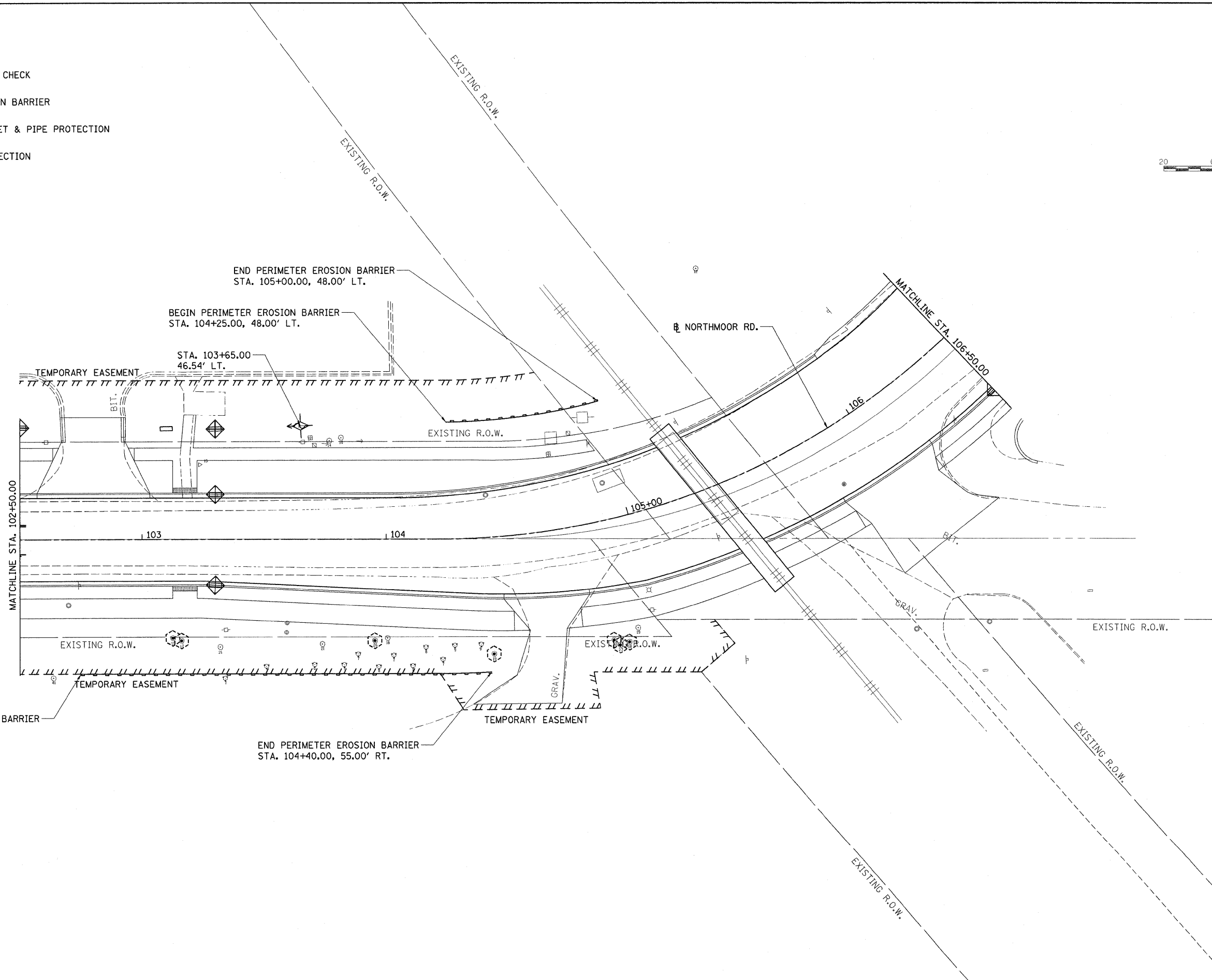
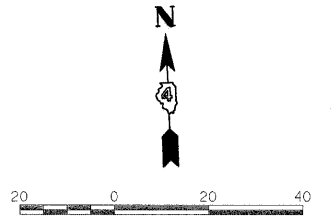
LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  INLET FILTER/INLET & PIPE PROTECTION
-  TREE TRUNK PROTECTION

FILE NAME =	USER NAME = Ander00846	DESIGNED - RLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. EROSION CONTROL PLAN	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED - CAL	REVISED -			09-00047-01-PV		CONTRACT NO. 89526		
		DATE - 10/16/2009	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 96+50.00 TO STA. 102+50.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

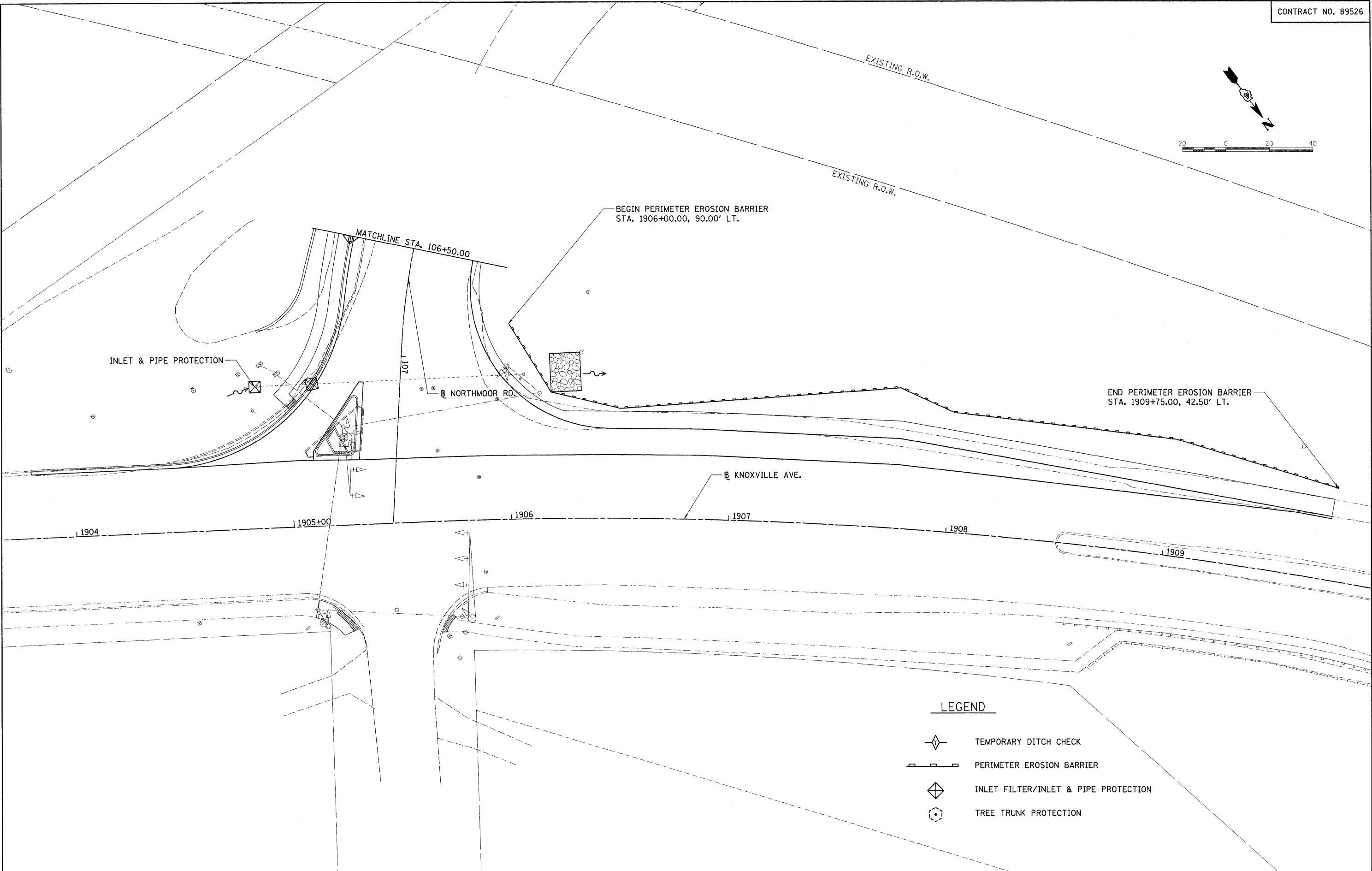
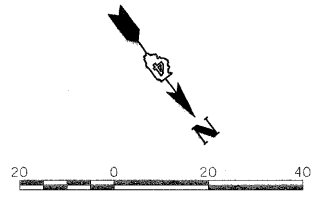
LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  INLET FILTER/INLET & PIPE PROTECTION
-  TREE TRUNK PROTECTION







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FILE NAME =	USER NAME = Ander-00846	DESIGNED - RLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. EROSION CONTROL PLAN	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 10/16/2009		DATE - 10/16/2009	REVISED -			SCALE: 1"=20' SHEET NO. OF SHEETS STA. 102+50.00 TO STA. 106+50.00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)			

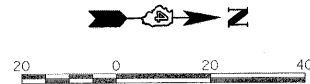
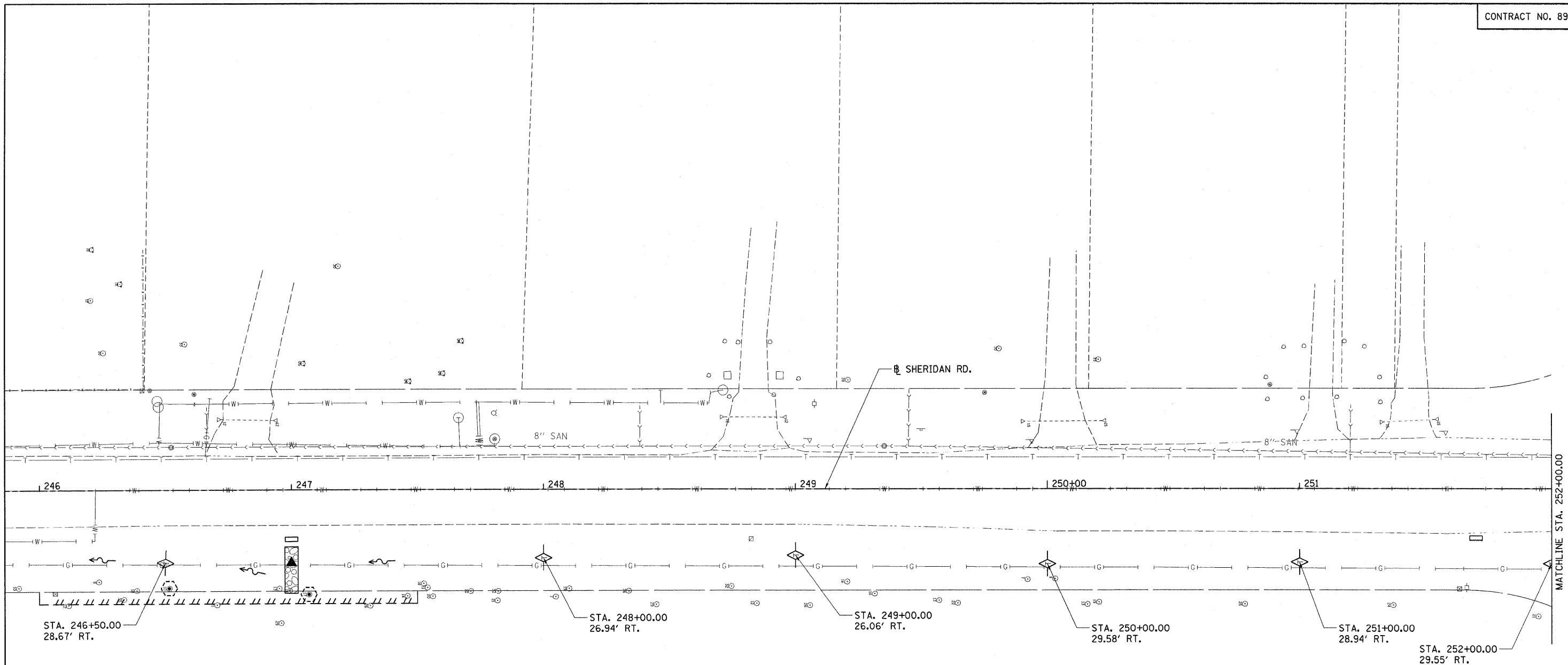


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
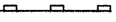


LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  INLET FILTER/INLET & PIPE PROTECTION
-  TREE TRUNK PROTECTION

FILE NAME =	USER NAME = Ander-00846	DESIGNED - RLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. EROSION CONTROL PLAN	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		DATE - 10/16/2009	REVISED -			SCALE: 1"=20'		SHEET NO. OF SHEETS		STA. 106+50.00 TO STA. 107+76.66		FED. ROAD DIST. NO.



LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  INLET FILTER/INLET & PIPE PROTECTION
-  TREE TRUNK PROTECTION

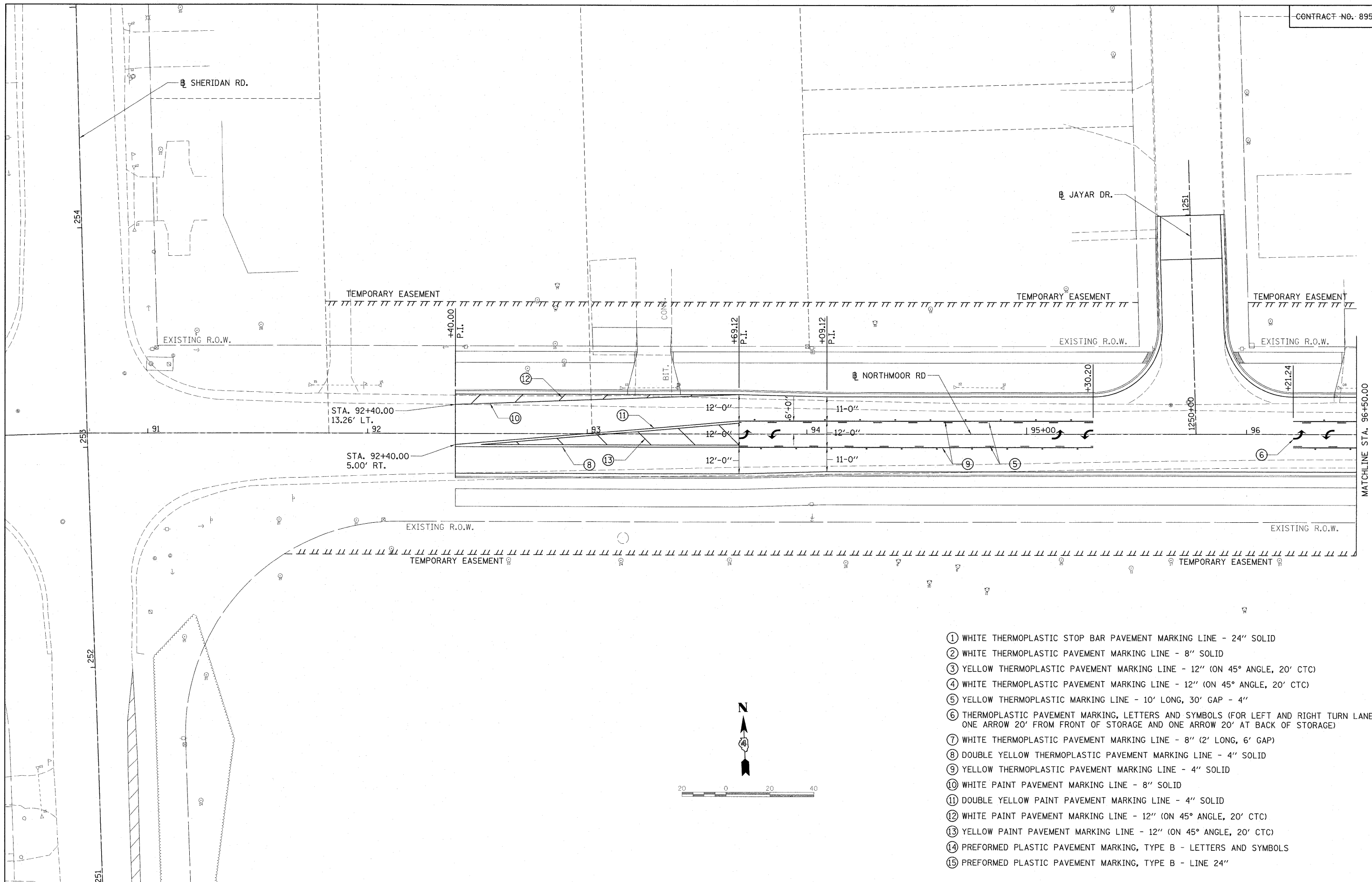
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

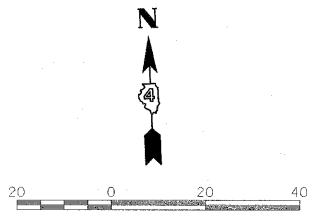
SHERIDAN RD. EROSION CONTROL PLAN

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

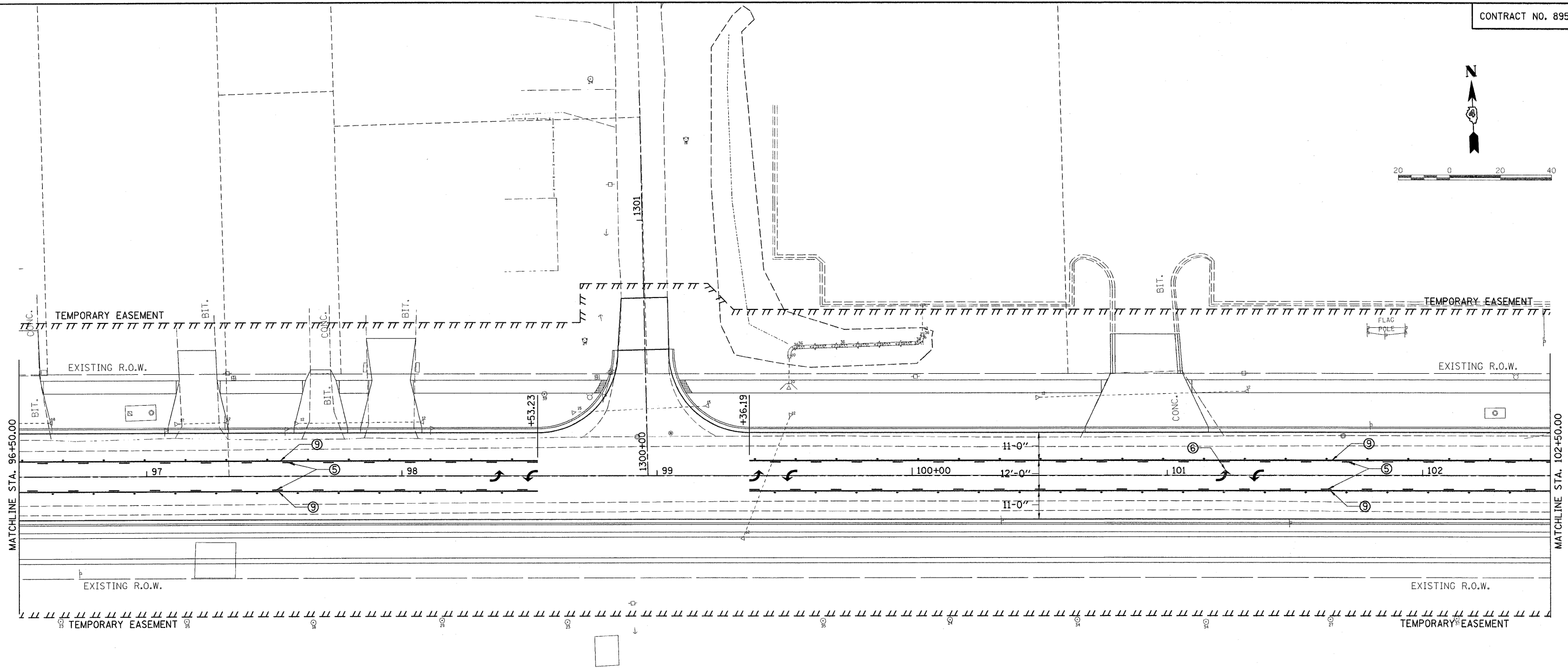
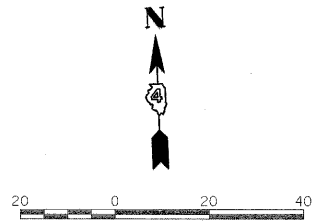
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	36
	09-00047-01-PV			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
ARA-M-5093(139)				



- ① WHITE THERMOPLASTIC STOP BAR PAVEMENT MARKING LINE - 24" SOLID
- ② WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" SOLID
- ③ YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ④ WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑤ YELLOW THERMOPLASTIC MARKING LINE - 10' LONG, 30' GAP - 4"
- ⑥ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS (FOR LEFT AND RIGHT TURN LANE ONE ARROW 20' FROM FRONT OF STORAGE AND ONE ARROW 20' AT BACK OF STORAGE)
- ⑦ WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" (2' LONG, 6' GAP)
- ⑧ DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- ⑨ YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- ⑩ WHITE PAINT PAVEMENT MARKING LINE - 8" SOLID
- ⑪ DOUBLE YELLOW PAINT PAVEMENT MARKING LINE - 4" SOLID
- ⑫ WHITE PAINT PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑬ YELLOW PAINT PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑭ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS
- ⑮ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"



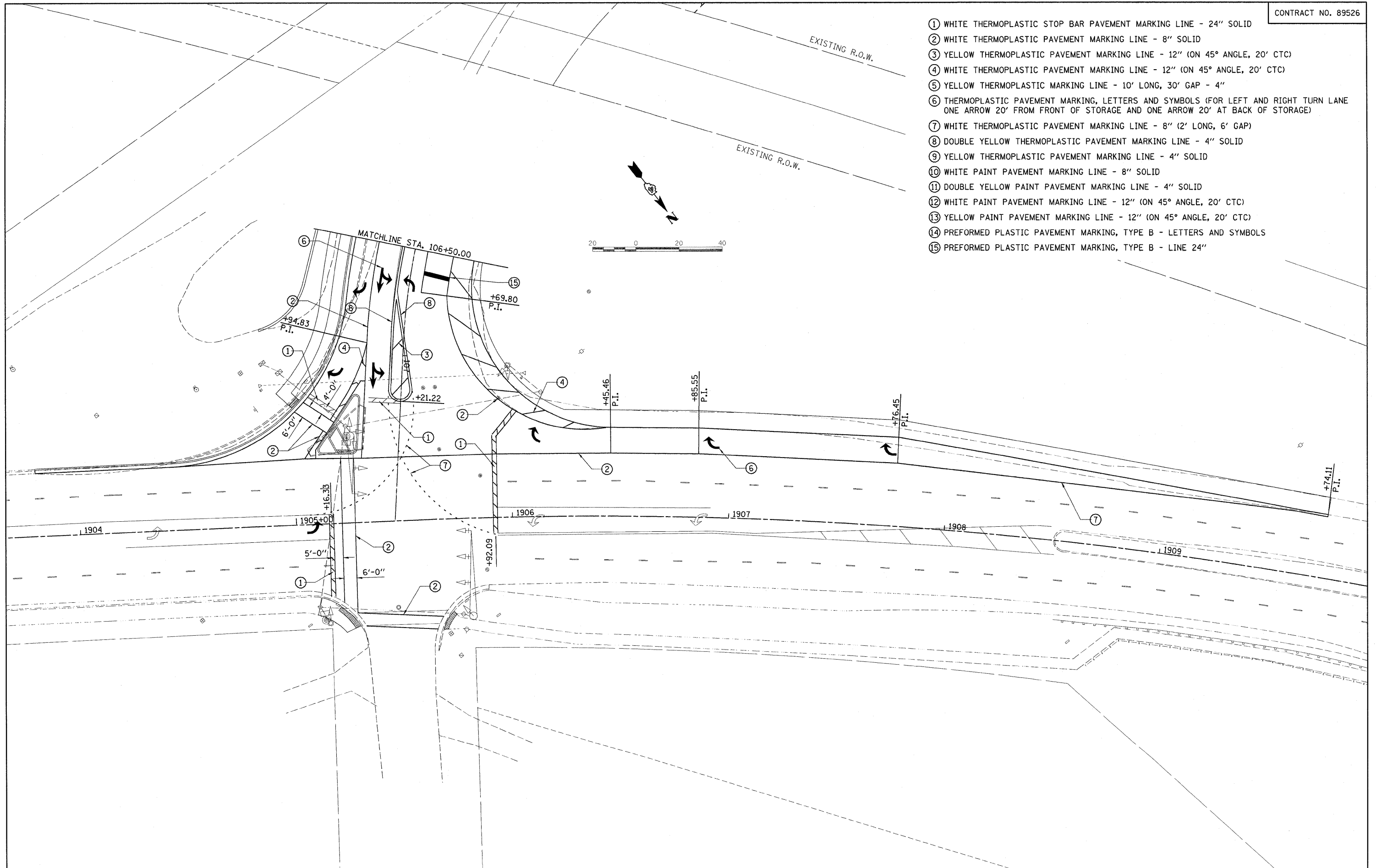
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	PLOT DATE = 11/05/2009	CHECKED - CAL	REVISED -								
		DATE = 10/16/2009	REVISED -								



- ① WHITE THERMOPLASTIC STOP BAR PAVEMENT MARKING LINE - 24" SOLID
- ② WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" SOLID
- ③ YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ④ WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑤ YELLOW THERMOPLASTIC MARKING LINE - 10' LONG, 30' GAP - 4"
- ⑥ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS (FOR LEFT AND RIGHT TURN LANE ONE ARROW 20' FROM FRONT OF STORAGE AND ONE ARROW 20' AT BACK OF STORAGE)
- ⑦ WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" (2' LONG, 6' GAP)
- ⑧ DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- ⑨ YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- ⑩ WHITE PAINT PAVEMENT MARKING LINE - 8" SOLID
- ⑪ DOUBLE YELLOW PAINT PAVEMENT MARKING LINE - 4" SOLID
- ⑫ WHITE PAINT PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑬ YELLOW PAINT PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑭ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS
- ⑮ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"

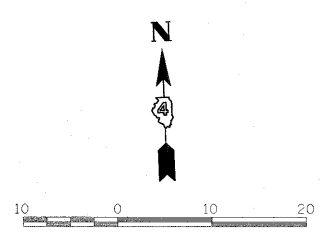
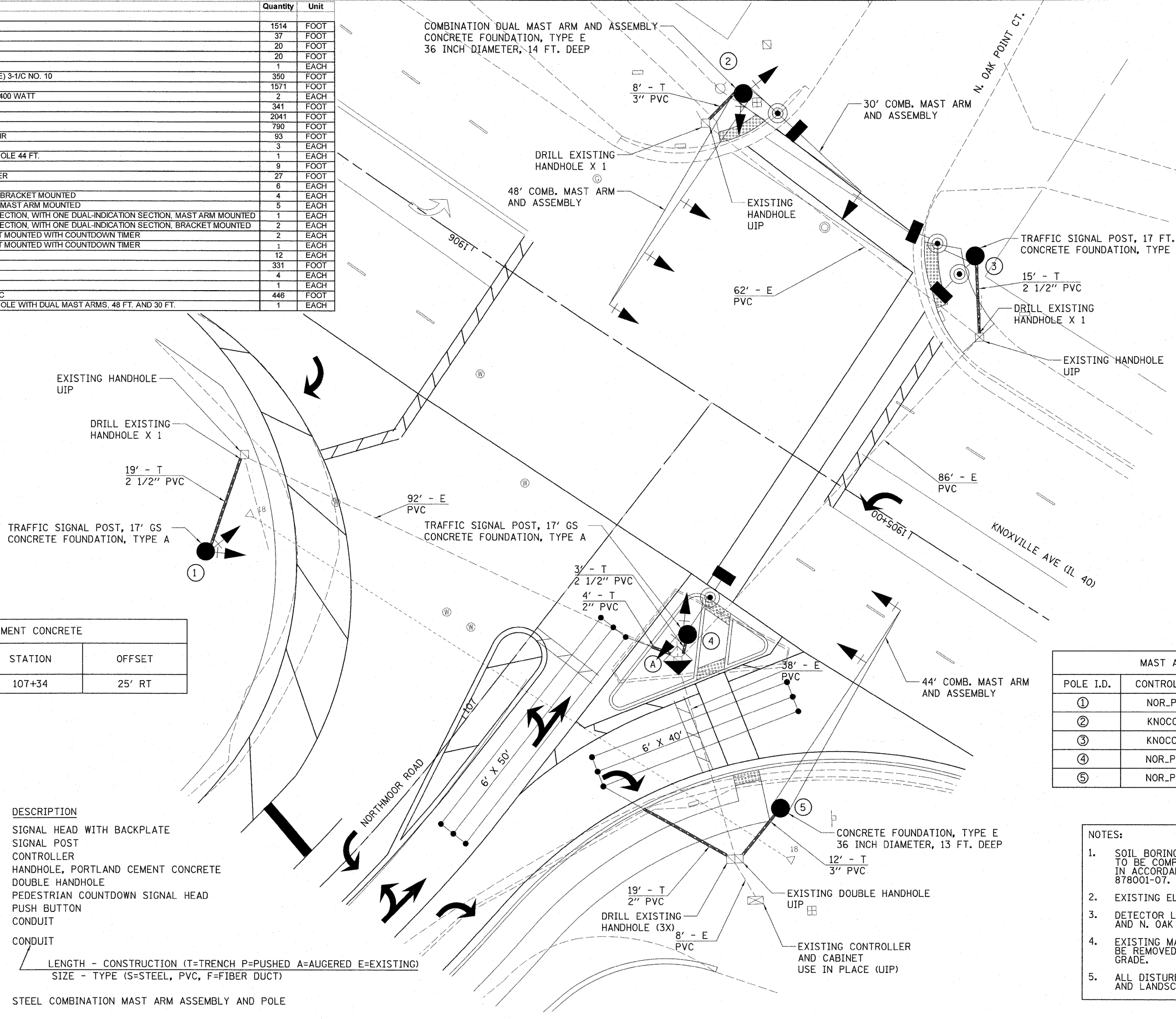
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		DATE - 10/16/2009	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		ARA-M-5093(139)	

- ① WHITE THERMOPLASTIC STOP BAR PAVEMENT MARKING LINE - 24" SOLID
- ② WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" SOLID
- ③ YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ④ WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑤ YELLOW THERMOPLASTIC MARKING LINE - 10' LONG, 30' GAP - 4"
- ⑥ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS (FOR LEFT AND RIGHT TURN LANE ONE ARROW 20' FROM FRONT OF STORAGE AND ONE ARROW 20' AT BACK OF STORAGE)
- ⑦ WHITE THERMOPLASTIC PAVEMENT MARKING LINE - 8" (2' LONG, 6' GAP)
- ⑧ DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- ⑨ YELLOW THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID
- ⑩ WHITE PAINT PAVEMENT MARKING LINE - 8" SOLID
- ⑪ DOUBLE YELLOW PAINT PAVEMENT MARKING LINE - 4" SOLID
- ⑫ WHITE PAINT PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑬ YELLOW PAINT PAVEMENT MARKING LINE - 12" (ON 45° ANGLE, 20' CTC)
- ⑭ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS
- ⑮ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"



FILE NAME =	USER NAME = Ander-08846	DESIGNED - RLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. PAVEMENT MARKING PLAN	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 10/16/2009	DATE - 10/16/2009	REVISED -	REVISED -			SCALE: 1"=20'		SHEET NO. OF SHEETS		STA. 106+50.00 TO STA. 107+76.66	

Pay Item #	Pay Item	Quantity	Unit
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	1514	FOOT
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	37	FOOT
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	20	FOOT
81021330	CONDUIT PUSHED, 2" DIA., PVC	20	FOOT
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	1	EACH
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	350	FOOT
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	1571	FOOT
82122400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	2	EACH
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	341	FOOT
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	2041	FOOT
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	790	FOOT
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	93	FOOT
87502510	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 17 FT.	3	EACH
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	1	EACH
87800100	CONCRETE FOUNDATION, TYPE A	9	FOOT
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	27	FOOT
87900200	DRILL EXISTING HANDHOLE	6	EACH
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION, BRACKET MOUNTED	4	EACH
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION, MAST ARM MOUNTED	5	EACH
88040130	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, WITH ONE DUAL-INDICATION SECTION, MAST ARM MOUNTED	1	EACH
88040140	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, WITH ONE DUAL-INDICATION SECTION, BRACKET MOUNTED	2	EACH
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	2	EACH
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	1	EACH
88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	12	EACH
88600100	DETECTOR LOOP, TYPE 1	331	FOOT
88800100	PEDESTRIAN PUSH BUTTON	4	EACH
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1	EACH
X0324475	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6, 1C	446	FOOT
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. AND 30 FT.	1	EACH



HANDHOLE, PORTLAND CEMENT CONCRETE			
HANDHOLE I.D.	CONTROL LINE	STATION	OFFSET
Ⓐ	NOR_PAL	107+34	25' RT

MAST ARM POLES & POSTS			
POLE I.D.	CONTROL LINE	STATION	OFFSET
①	NOR_PAL	106+95	59' LT
②	KNOCC01	1905+73	53' RT
③	KNOCC01	1905+18	51' RT
④	NOR_PAL	107+39	24' RT
⑤	NOR_PAL	107+24	58' RT

TRAFFIC SIGNAL PLAN LEGEND

	EXISTING	
	PROPOSED	
		DESCRIPTION
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL POST
		CONTROLLER
		HANDHOLE, PORTLAND CEMENT CONCRETE
		DOUBLE HANDHOLE
		PEDESTRIAN COUNTDOWN SIGNAL HEAD
		PUSH BUTTON
		CONDUIT
		CONDUIT
		LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING)
		SIZE - TYPE (S=STEEL, PVC, F=FIBER DUCT)
		STEEL COMBINATION MAST ARM ASSEMBLY AND POLE

- NOTES:**
- SOIL BORINGS FOR TYPE E FOUNDATIONS TO BE COMPLETED PRIOR TO DRILLING IN ACCORDANCE WITH STATE STANDARD 878001-07.
 - EXISTING ELECTRICAL SERVICE TO REMAIN.
 - DETECTOR LOOPS ON KNOXVILLE AND N. OAK POINT CT. TO REMAIN.
 - EXISTING MAST ARM FOUNDATIONS SHALL BE REMOVED 1' BELOW PROPOSED FINISHED GRADE.
 - ALL DISTURBED AREAS SHALL BE RESTORED AND LANDSCAPED TO PRIOR CONDITION.

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

PROPOSED	DESCRIPTION
⑤	ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
⊠	SIGNAL FACE WITH BACKPLATE
→	DIRECTIONAL SIGNAL SECTION
⊠	12" SIGNAL SECTION
⊠	WALK/DON'T WALK SECTION + COUNT DOWN
⊠	GROUND WIRE (POLE)
⊠	GROUND WIRE (MAST ARM)
⊠	PEDESTRIAN PUSHBUTTON
---	CONDUIT
●	400 WATT LUMINAIRE

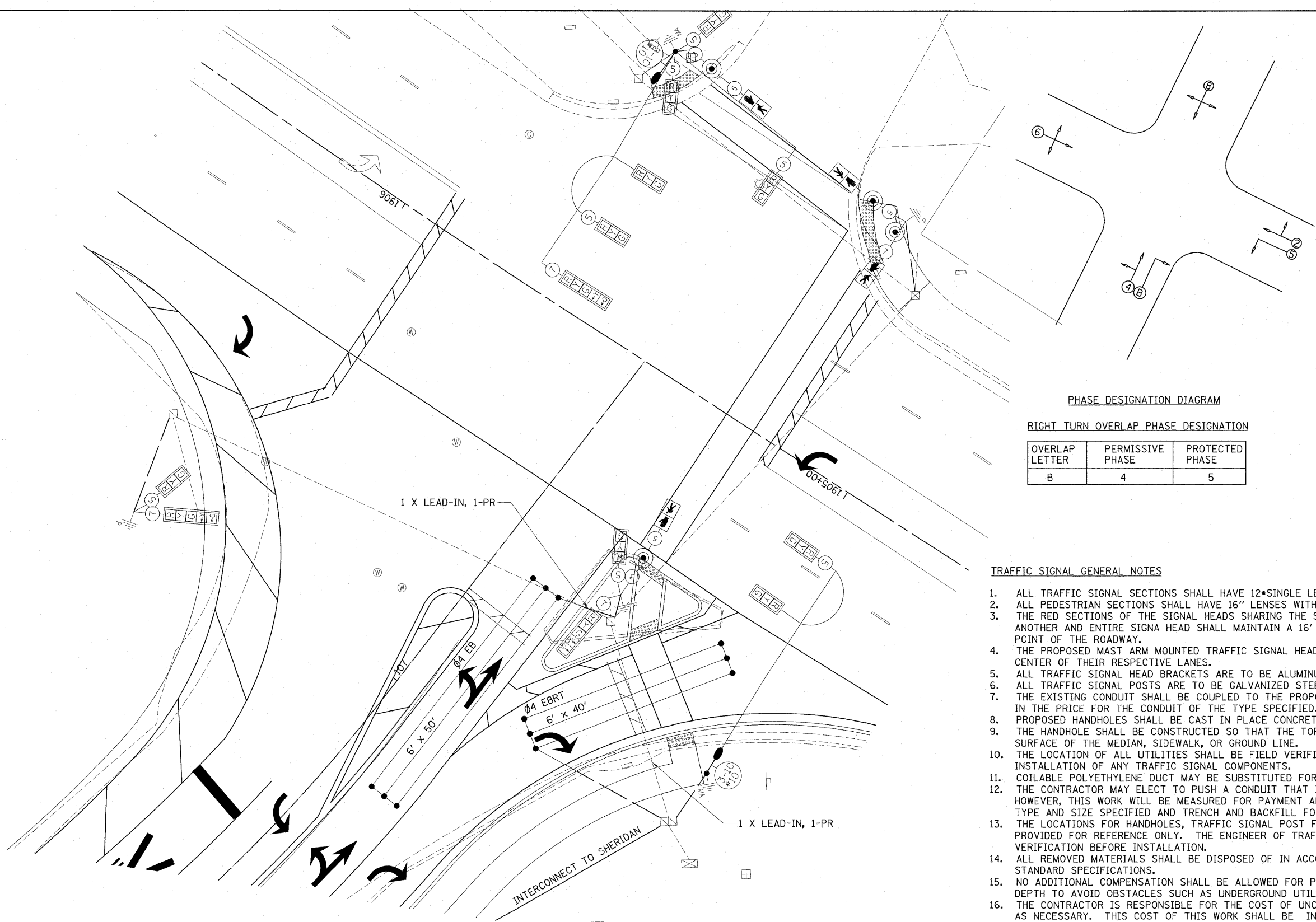
PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5

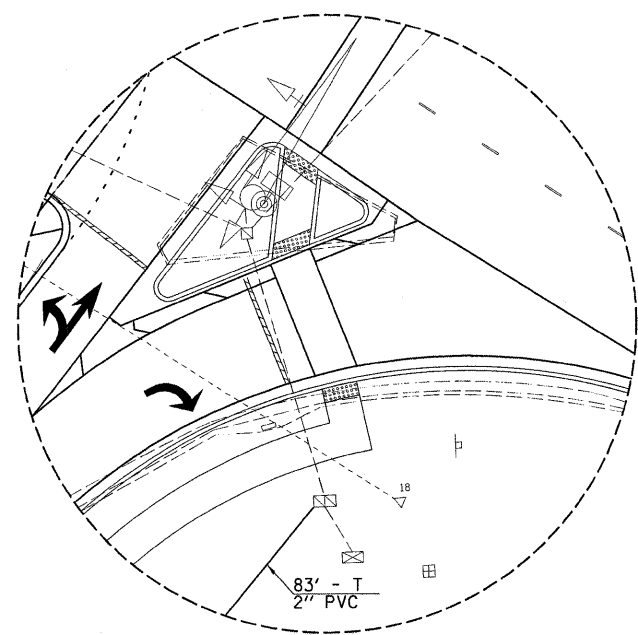
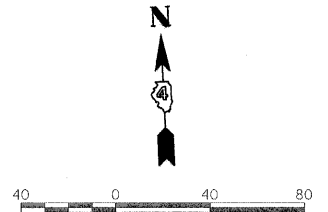
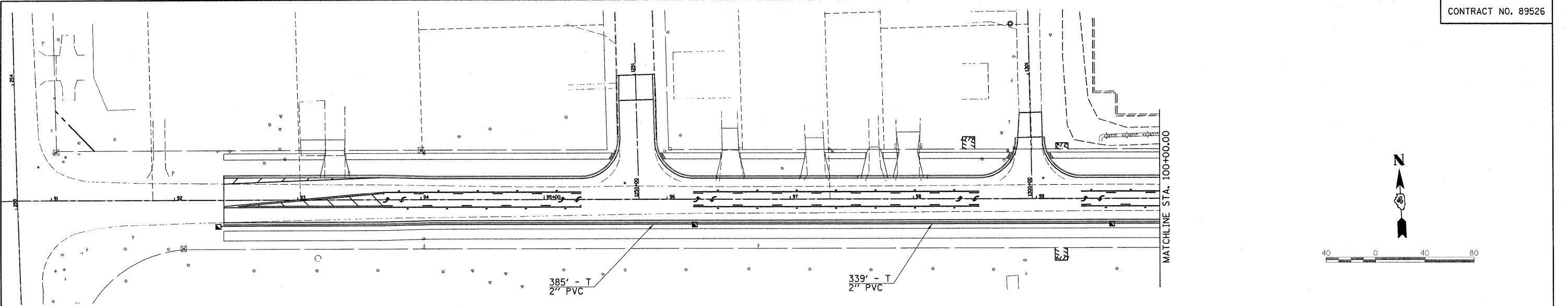
TRAFFIC SIGNAL GENERAL NOTES

- ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
- ALL PEDESTRIAN SECTIONS SHALL HAVE 16" LENSES WITH A MAN/HAND OVERLAY AND COUNTDOWN TIMER.
- THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND ENTIRE SIGNAL HEAD SHALL MAINTAIN A 16' MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
- THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
- ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
- ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
- THE EXISTING CONDUIT SHALL BE COUPLED TO THE PROPOSED CONDUIT. THIS WORK SHALL BE INCLUDED IN THE PRICE FOR THE CONDUIT OF THE TYPE SPECIFIED.
- PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
- THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
- THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
- COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT PUSHED.
- THE CONTRACTOR MAY ELECT TO PUSH A CONDUIT THAT IS SHOWN TO BE TRENCHED ON THE PLANS. HOWEVER, THIS WORK WILL BE MEASURED FOR PAYMENT AND PAID FOR AS CONDUIT IN TRENCH OF THE TYPE AND SIZE SPECIFIED AND TRENCH AND BACKFILL FOR ELECTRICAL WORK.
- THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
- ALL REMOVED MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
- NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
- ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, SERVICE RISERS, EXPOSED METALLIC CONDUITS, AND PHOTOCCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
- DRILLING HOLES THROUGH EXISTING CURB AND GUTTER, INSERTING CONDUIT AND FILLING WITH APPROVED SEALER FOR DETECTOR LOOPS SHALL BE INCLUDED IN THE CONTRACT.
- THE LENGTH OF DETECTOR LOOP CABLE FROM CURB TO THE HANDHOLE SHALL BE INCLUDED IN THE DETECTOR LOOP QUANTITY.
- LOOPS IN THE SAME LANE SHALL BE WOUND ALTERNATELY CLOCKWISE AND COUNTER CLOCKWISE.
- THE CONDUITS SHOWN CONNECTING THE BACK OF CURB TO THE ROADSIDE HANDHOLE SHALL CONTAIN ONLY DETECTOR LOOP CABLE.
- A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER.

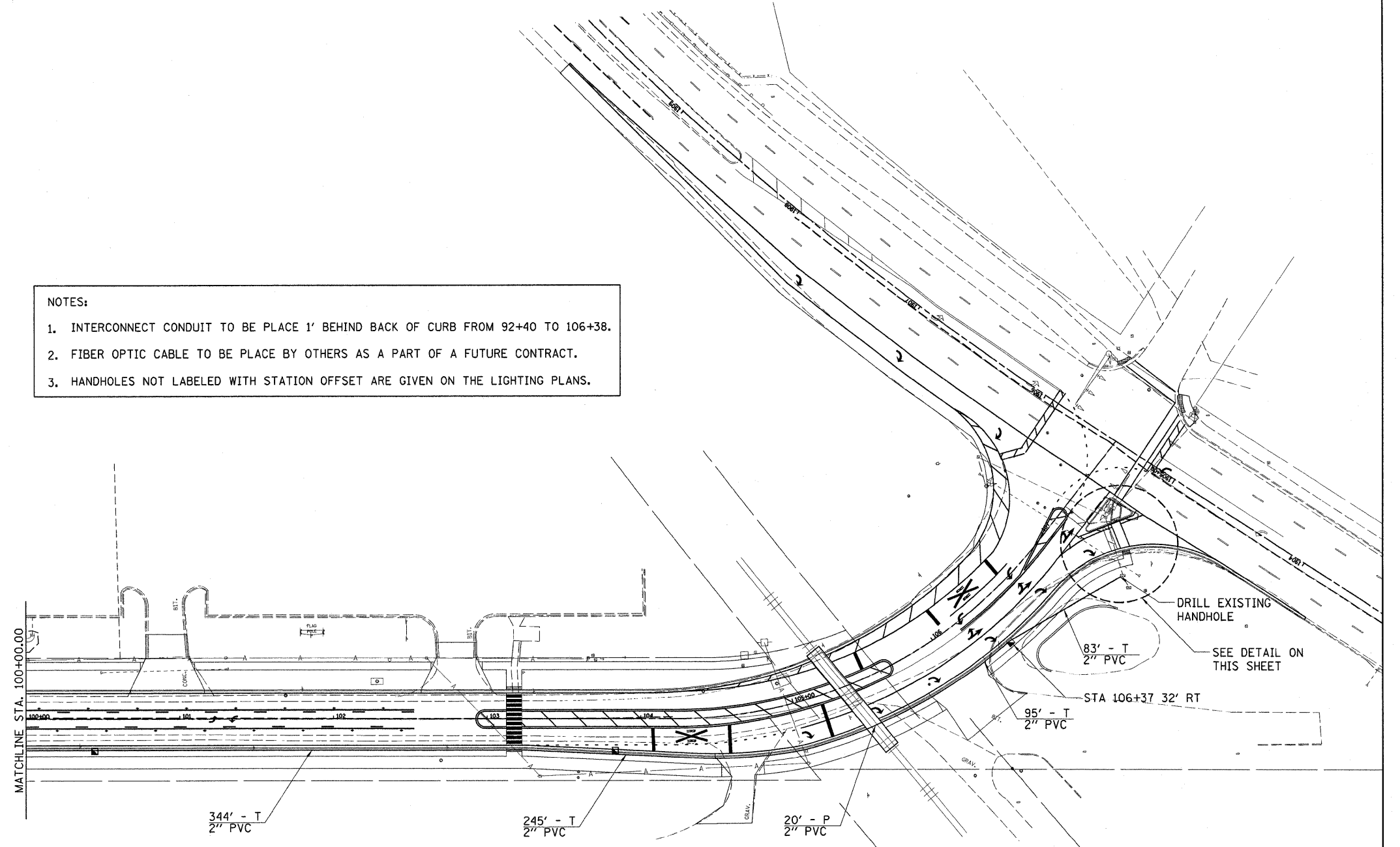


FILE NAME =	USER NAME = Ander-00846	DESIGNED - KNB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. AND KNOXVILLE AVE. CABLE PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 1/8"=1'-0"		CHECKED - TMA	REVISED -			09-00047-01-PV		CONTRACT NO. 89526		
PLOT DATE = 11/05/2009		DATE - 10/16/2009	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		ARA-M-50931391

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

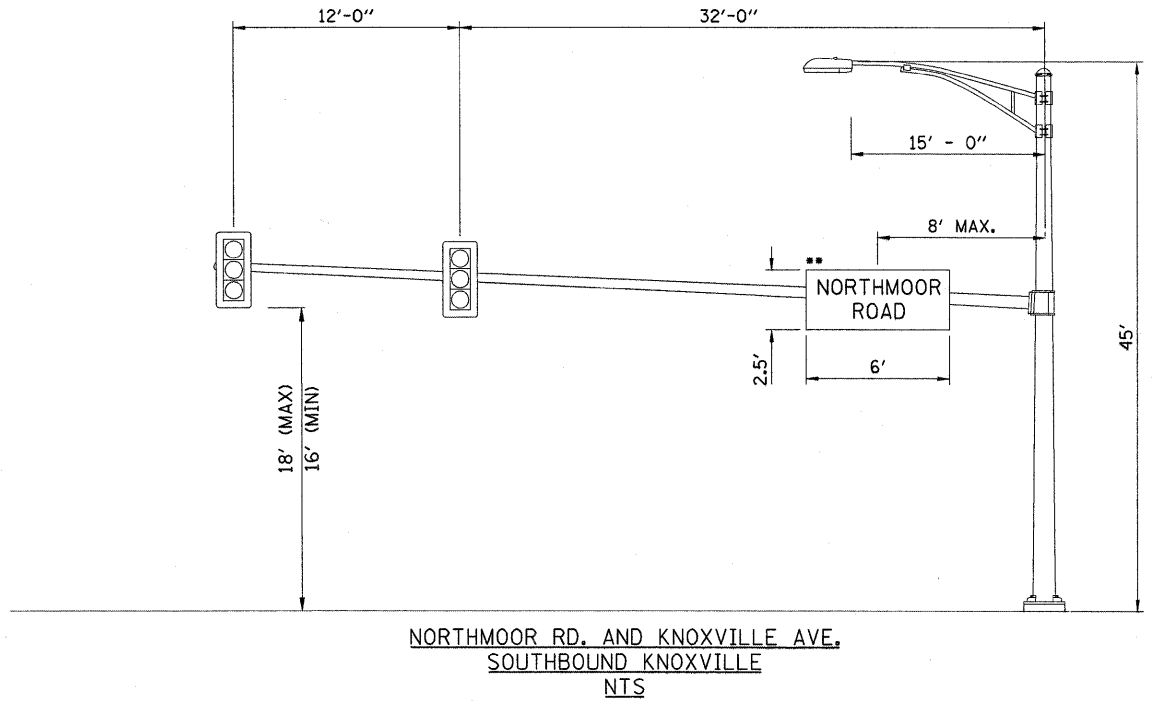
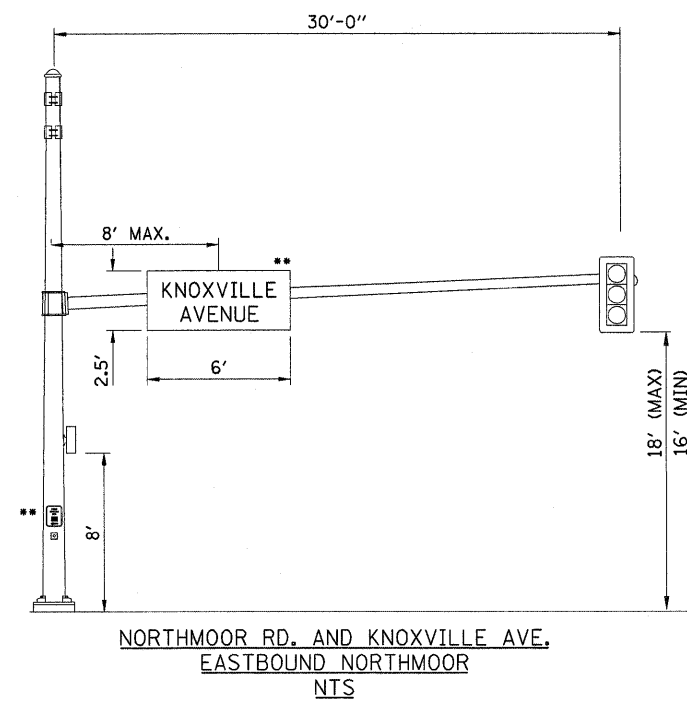
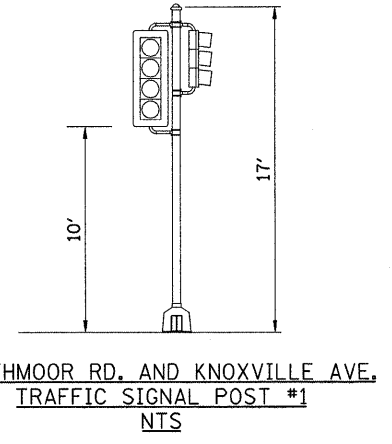
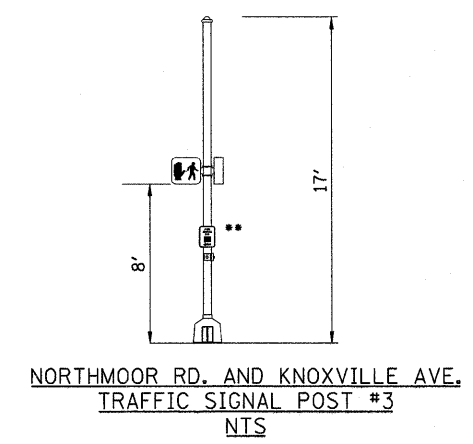
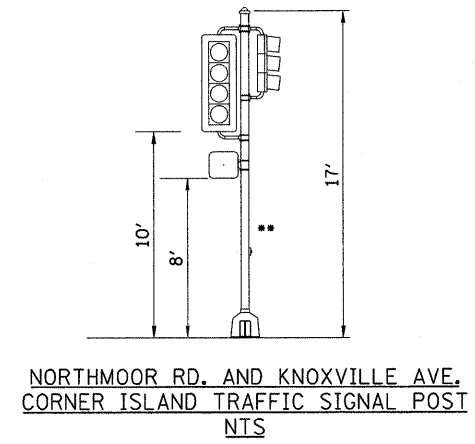
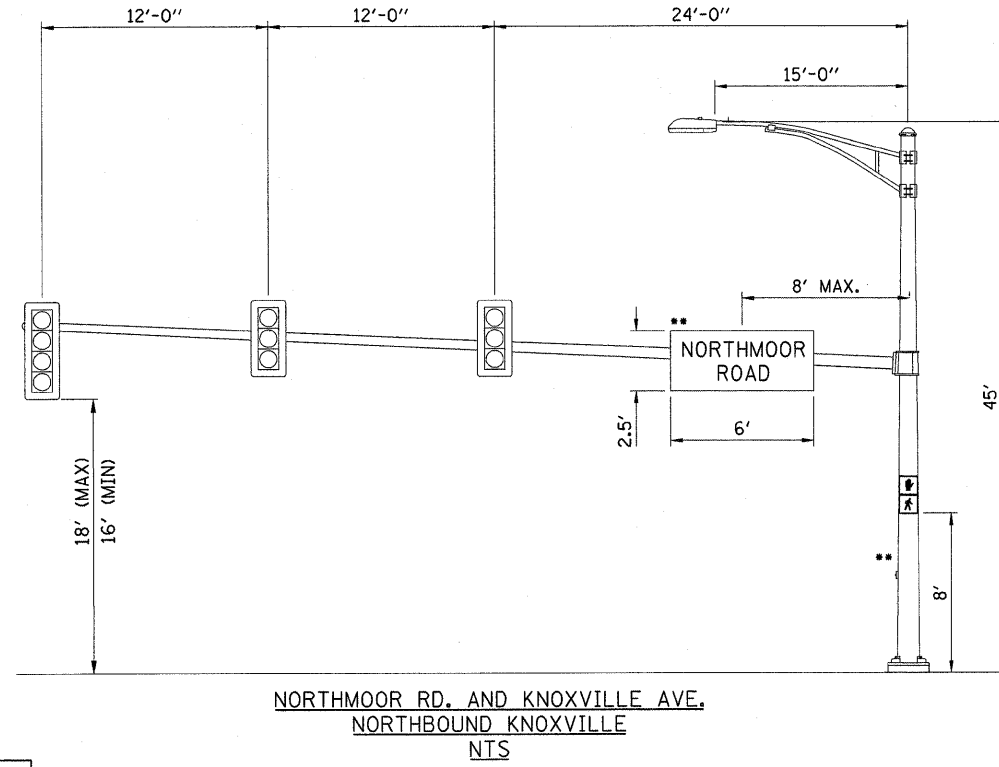


- NOTES:**
1. INTERCONNECT CONDUIT TO BE PLACE 1' BEHIND BACK OF CURB FROM 92+40 TO 106+38.
 2. FIBER OPTIC CABLE TO BE PLACE BY OTHERS AS A PART OF A FUTURE CONTRACT.
 3. HANDHOLES NOT LABELED WITH STATION OFFSET ARE GIVEN ON THE LIGHTING PLANS.

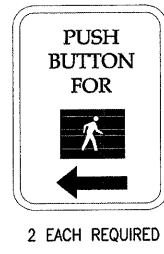
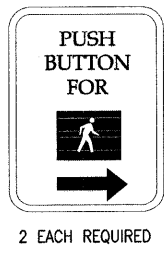


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FILE NAME =	USER NAME = Ander-00846	DESIGNED - KNB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR RD. INTERCONNECT CONDUIT PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000' / 1"		CHECKED - TMA	REVISED -			09-00047-01-PV		CONTRACT NO. 89526		
PLOT DATE = 10/16/2009		DATE - 10/16/2009	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		ARA-M-5093(139)
SCALE: 1"=40'						SHEET NO. OF SHEETS STA. TO STA.				



NOTE:
 ** DENOTES SIGNS TO BE PROVIDED BY THE CITY OF PEORIA, AND SIGNS WILL MEET MUTCD, CITY OF PEORIA, AND IDOT STANDARDS. DETAILS ARE NOT PROVIDED. INFORMATION PROVIDED IS FOR VISUAL REPRESENTATION ONLY.



PEDESTRIAN PUSH BUTTON SIGN
 TYPE R10-4B (L OR R)

9" X 12"

****PEDESTRIAN CROSSING
 SIGN DETAIL
 (NOT TO SCALE)**

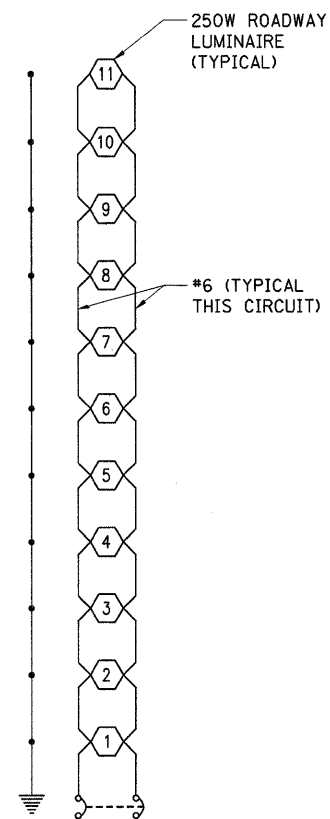
TYPE B SHEETING REQUIRED-
 THE CITY OF PEORIA SHALL SUPPLY AND MOUNT ONE SIGN WITH EACH PEDESTRIAN PUSH-BUTTON.

COLORS
 LEGEND-BLACK
 BACKGROUND-WHITE

FILE NAME =	USER NAME = Ander00846	DESIGNED - KNB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM LOADING DIAGRAM	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 10\16\2009	DATE - 10/16/2009	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)							
SCALE: N.T.S						SHEET NO. OF SHEETS STA. TO STA.				

GENERAL NOTES

1. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENT FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO BACKFILLING.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
3. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
4. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND TAG ALL WIRE ACCORDINGLY.
5. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE.
6. SPLICES ARE NOT ALLOWED IN THE UNDERGROUND HANDHOLE. ALL SPLICING SHOULD BE AT POLE BASE.
7. CONDUIT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
8. THE CONTRACTOR SHALL NOTIFY THE CITY OF PEORIA A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
9. THE CONTRACTOR SHALL ADJUST THE LOCATION OF PROPOSED LIGHT POLES OR UTILITIES AS DIRECTED BY IDOT FOR LIGHT POLES AND THE CITY OR ENGINEER IF A UTILITY CONFLICT EXISTS, TO A LOCATION APPROVED BY IDOT, THE CITY, OR ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
10. CITY OF PEORIA SHALL BE CONTACTED FOR ANY REQUIRED MODIFICATIONS TO THE LIGHT SYSTEM THAT ARE NOT SHOWN ON THE PLANS OR CONFLICTS WITH THE DETAILS SHOWN ON THESE PLANS.
11. CONTRACTOR SHALL ENSURE CONTINUOUS EQUIPMENT GROUND FROM THE CONTROLLER TO THE LAST LIGHT POLE OF EACH LIGHTING CIRCUIT. THIS REQUIREMENT IS PART OF ITEM AND WILL BE AT NO EXTRA COST TO THE PROJECT.
12. EACH LUMINAIRE SHOULD BE UL LISTED AND SHALL HAVE MAGREG TYPE BALLAST, PLUG-IN BASE IGNITOR MOUNTING ASSEMBLY, AND FIBER GASKET.



GENERAL SPECIFICATIONS

THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE SECTIONS AND NOT LIMITED TO THE FOLLOWING:

1. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007, "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2010.
2. "HIGHWAY STANDARDS" ILLINOIS DEPARTMENT OF TRANSPORTATION.
3. "NATIONAL ELECTRIC CODE" NEC.

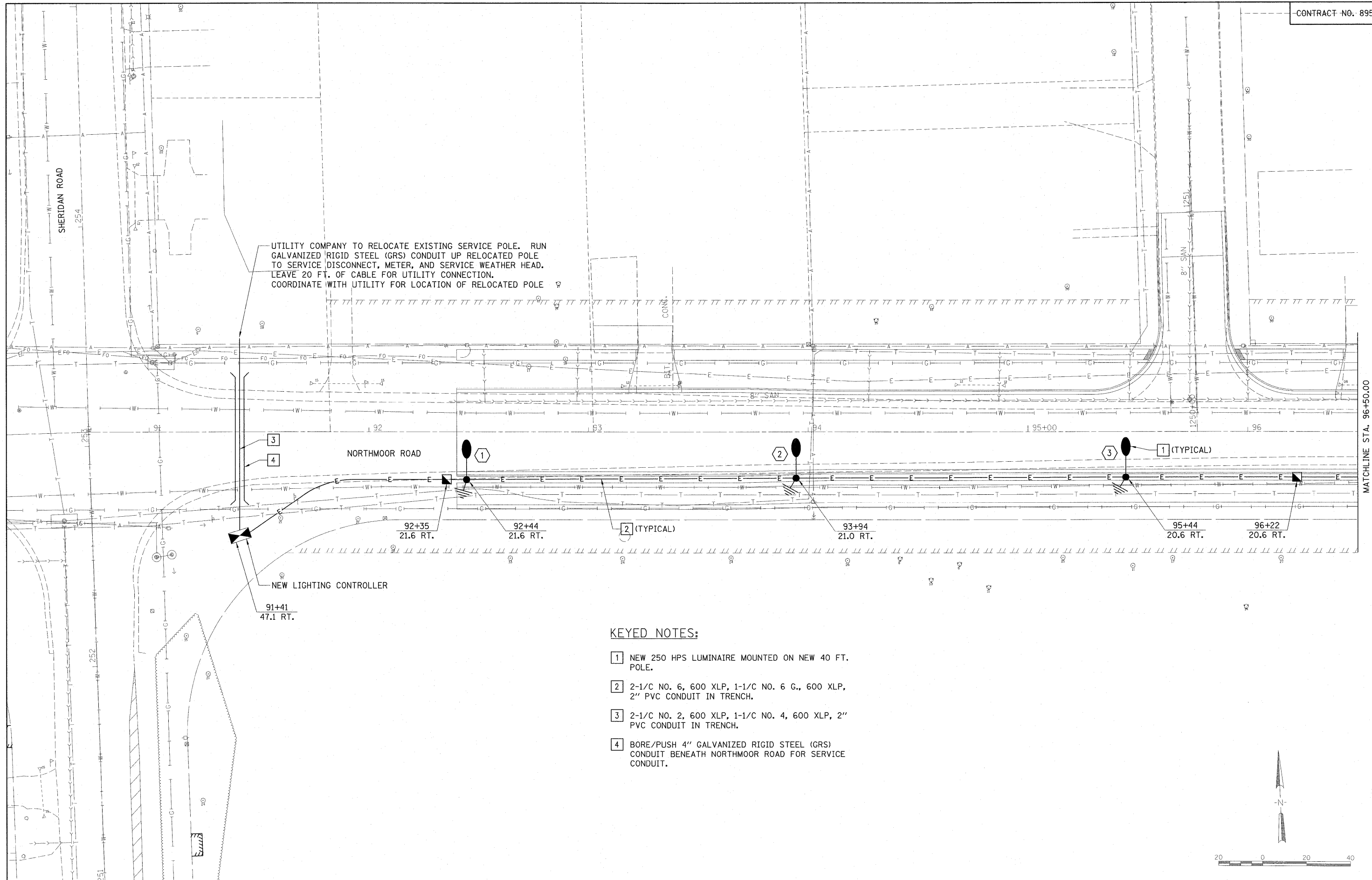
ELECTRICAL LEGEND

- E— EXISTING UNIT DUCT
- E— NEW UNIT DUCT
- ○ EXISTING LIGHTING UNIT
- ● NEW LIGHTING UNIT
- ⏏ GROUND ROD
- ◻ HANDHOLE

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ROADWAY LIGHTING SUMMARY OF QUANTITIES			
IDOT CODE	ITEM DESCRIPTION	UNITS	QUANTITY
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	11
83002300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. DAVIT ARM	EACH	11
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	66
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	11
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1800
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	80
81702130	ELECTRIC CABLE IN CONDUIT, 600 (XLP-TYPE USE) 1/C NO. 6	FOOT	4950
81702150	ELECTRIC CABLE IN CONDUIT, 600 (XLP-TYPE USE) 1/C NO. 2	FOOT	300
81702140	ELECTRIC CABLE IN CONDUIT, 600 (XLP-TYPE USE) 1/C NO. 4	FOOT	150
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1800
82500530	LIGHTING CONTROLLER TYPE CB-RCS 100AMP - 240VOLT	EACH	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81400100	HANDHOLE	EACH	5

FILE NAME =	USER NAME = Amdor-00846	DESIGNED - PJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND SUMMARY OF LIGHTING QUANTITIES NORTHMOOR ROAD STAGE 3 IMPROVEMENT	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Is:\09Jobs\29L0027B\CADD\Elec\Sheet\08.dgn	DRAWN - ANC	REVISED -	6647			08-00302-00-PV	PEORIA	85	46	
PLOT SCALE = 20.0000' / 1" =	CHECKED - RDN	REVISED -	09-00047-01-PV			CONTRACT NO. 89526				
PLOT DATE = 10/16/09	DATE - 10/16/09	REVISED -	SCALE: NONE SHEET NO. 1 OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)				



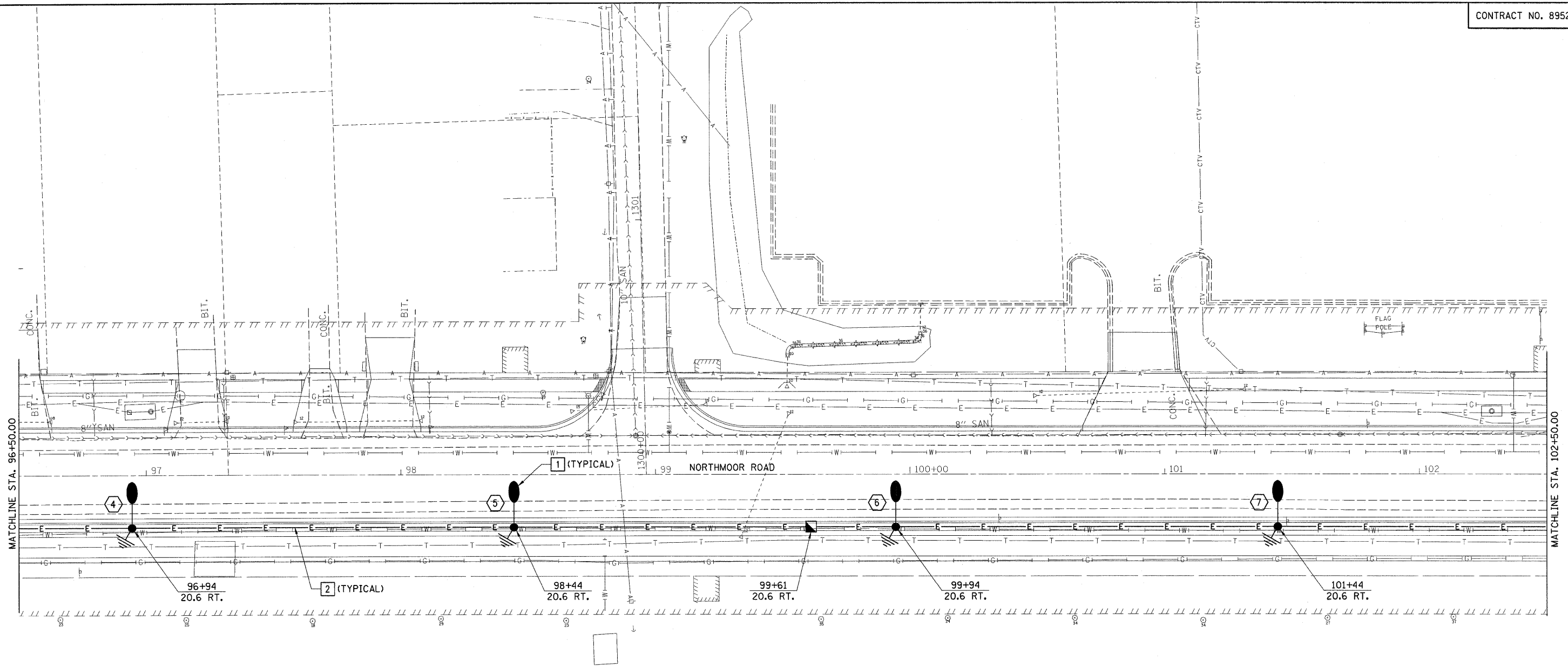
UTILITY COMPANY TO RELOCATE EXISTING SERVICE POLE. RUN GALVANIZED RIGID STEEL (GRS) CONDUIT UP RELOCATED POLE TO SERVICE DISCONNECT, METER, AND SERVICE WEATHER HEAD. LEAVE 20 FT. OF CABLE FOR UTILITY CONNECTION. COORDINATE WITH UTILITY FOR LOCATION OF RELOCATED POLE

NEW LIGHTING CONTROLLER

KEYED NOTES:

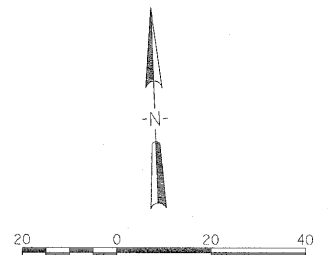
- 1 NEW 250 HPS LUMINAIRE MOUNTED ON NEW 40 FT. POLE.
- 2 2-1/2" NO. 6, 600 XLP, 1-1/2" NO. 6 G., 600 XLP, 2" PVC CONDUIT IN TRENCH.
- 3 2-1/2" NO. 2, 600 XLP, 1-1/2" NO. 4, 600 XLP, 2" PVC CONDUIT IN TRENCH.
- 4 BORE/PUSH 4" GALVANIZED RIGID STEEL (GRS) CONDUIT BENEATH NORTHMOOR ROAD FOR SERVICE CONDUIT.

FILE NAME = I:\09Jobs\09L0027B\CADD\Elec\Sheet\0-00	USER NAME = Ande-00846	DESIGNED - PJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN NORTHMOOR ROAD STAGE 3 IMPROVEMENT			F.A.U. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 47
PLOT SCALE = 20.0000' / 1" =	DATE = 10/16/09	DRAWN - ANC	REVISED -		SCALE: 1:20	SHEET NO. 2 OF SHEETS	STA. 91+00 TO STA. 96+50	CONTRACT NO. 89526				
CHECKED - RDN		CHECKED - RDN	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)							
PLOT DATE = 11/05/2009		DATE = 10/16/09	REVISED -									

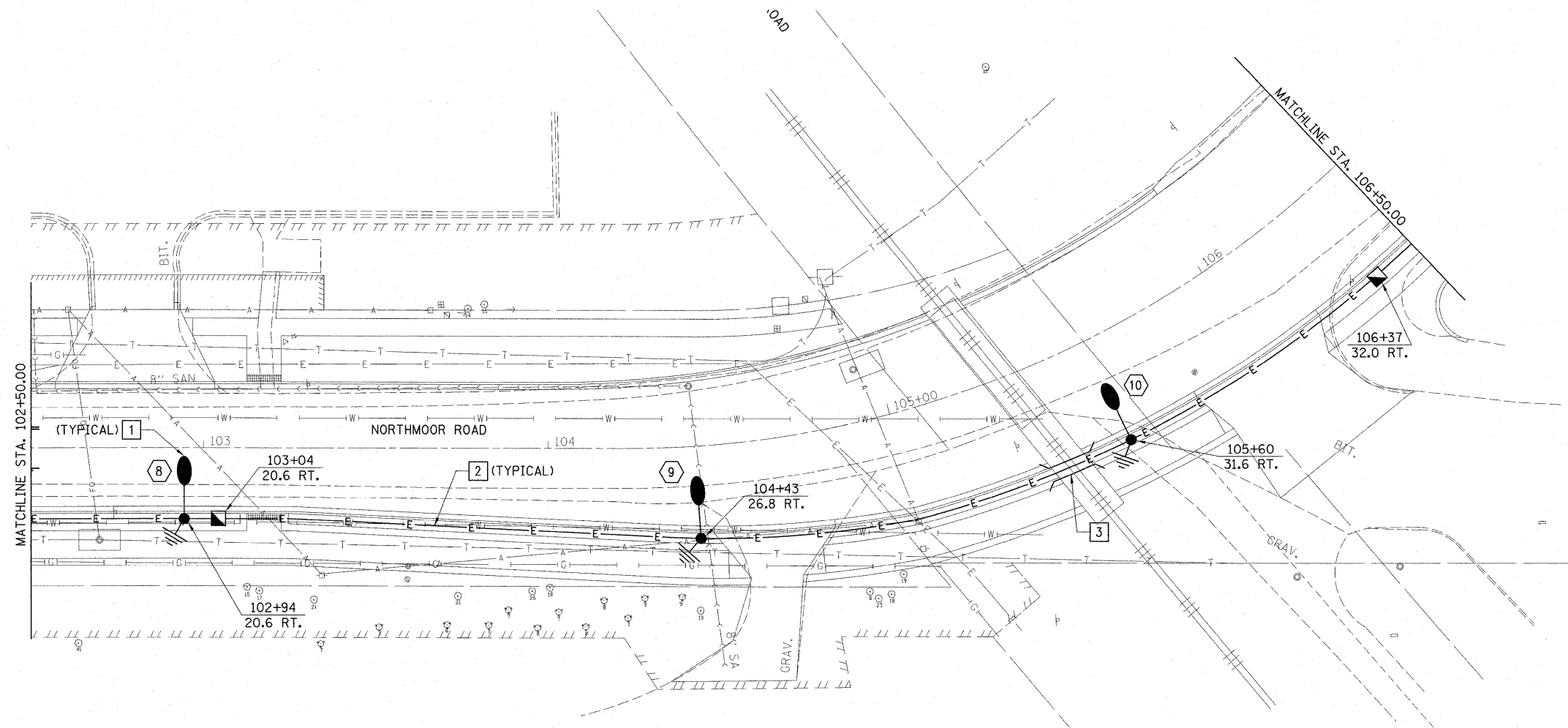


KEYED NOTES:

- 1 NEW 250 HPS LUMINAIRE MOUNTED ON NEW 40 FT. POLE.
- 2 2-1/2 NO. 6, 600 XLP, 1-1/2 NO. 6 G., 600 XLP, 2" PVC CONDUIT IN TRENCH.

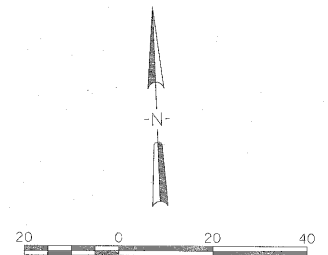


FILE NAME =	USER NAME = Ander00846	DESIGNED - PJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN NORTHMOOR ROAD STAGE 3 IMPROVEMENT			F.A.J. RTE. = 6647	SECTION = 08-00302-00-PV	COUNTY = PEORIA	TOTAL SHEETS = 85	SHEET NO. = 48
Is:\09\Jobs\09\0227B\CADD\Elec\Sheet\0-02.dgn	PLOT SCALE = 20.0000' / 1" =	DRAWN - ANC	REVISED -		SCALE: 1:20	SHEET NO. 3 OF SHEETS	STA. 96+50 TO STA. 102+50	FED. ROAD DIST. NO. = 09-00047-01-PV	CONTRACT NO. 89526		ILLINOIS FED. AID PROJECT ARA-M-5093(139)	
	PLOT DATE = 10/16/2009	CHECKED - RDN	REVISED -									
		DATE - 10/16/09	REVISED -									



KEYED NOTES:

- 1 NEW 250 HPS LUMINAIRE MOUNTED ON NEW 40 FT. POLE.
- 2 2-1/C NO. 6, 600 XLP, 1-1/C NO. 6 G., 600 XLP, 2" PVC CONDUIT IN TRENCH.
- 3 BORE/PUSH 4" GALVANIZED RIGID STEEL (GRS) CONDUIT UNDER RAILROAD TRACKS. CONTRACTOR REQUIRED TO OBTAIN ANY PERMIT REQUIRED TO WORK ABOVE OR NEAR TRACKS FROM RAILROAD. CONDUIT SHOULD BE PUSHED UNDER RAILROAD TRACKS AT A MINIMUM DEPTH OF 5 FEET. THE CONTRACTOR MAY PUSH OR BORE CONDUIT AT THEIR DISCRETION.



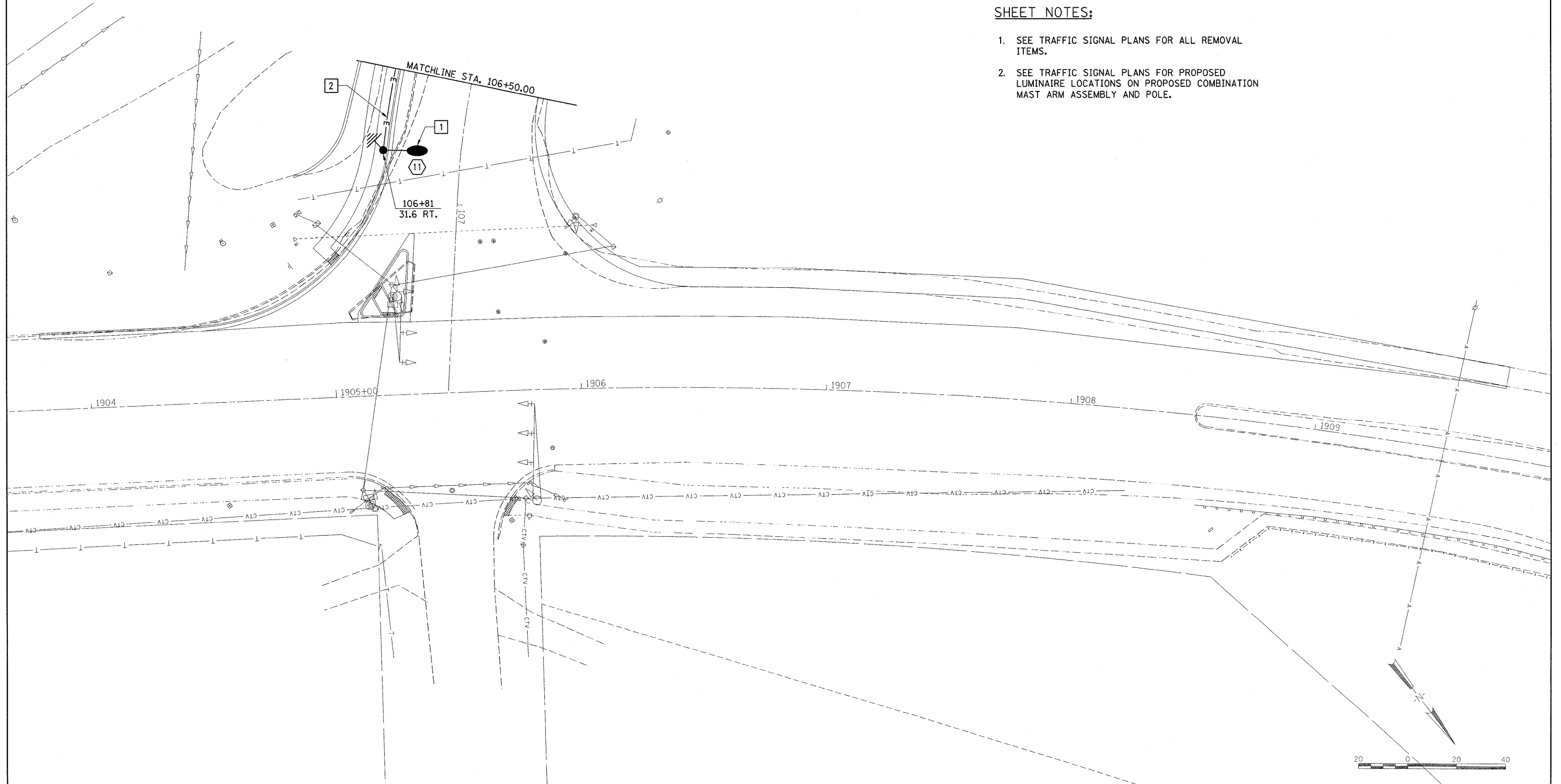
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PLOT DATE = 11/05/2009		DATE - 10/16/09	REVISED -			SCALE: 1:20 SHEET NO. 4 OF SHEETS STA. 102+50 TO STA. 106+50		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)		

KEYED NOTES:

- 1 NEW 250 HPS LUMINAIRE MOUNTED ON NEW 40 FT. POLE.
- 2 2-1/C NO. 6, 600 XLP, 1-1/C NO. 6 G., 600 XLP, 2" PVC CONDUIT IN TRENCH.

SHEET NOTES:

- 1. SEE TRAFFIC SIGNAL PLANS FOR ALL REMOVAL ITEMS.
- 2. SEE TRAFFIC SIGNAL PLANS FOR PROPOSED LUMINAIRE LOCATIONS ON PROPOSED COMBINATION MAST ARM ASSEMBLY AND POLE.



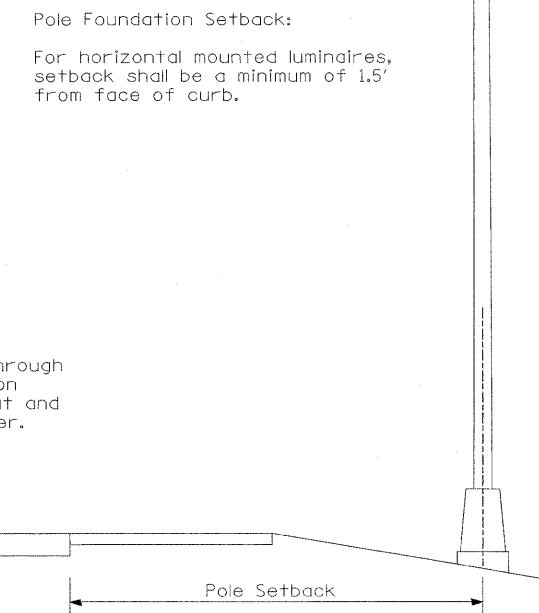
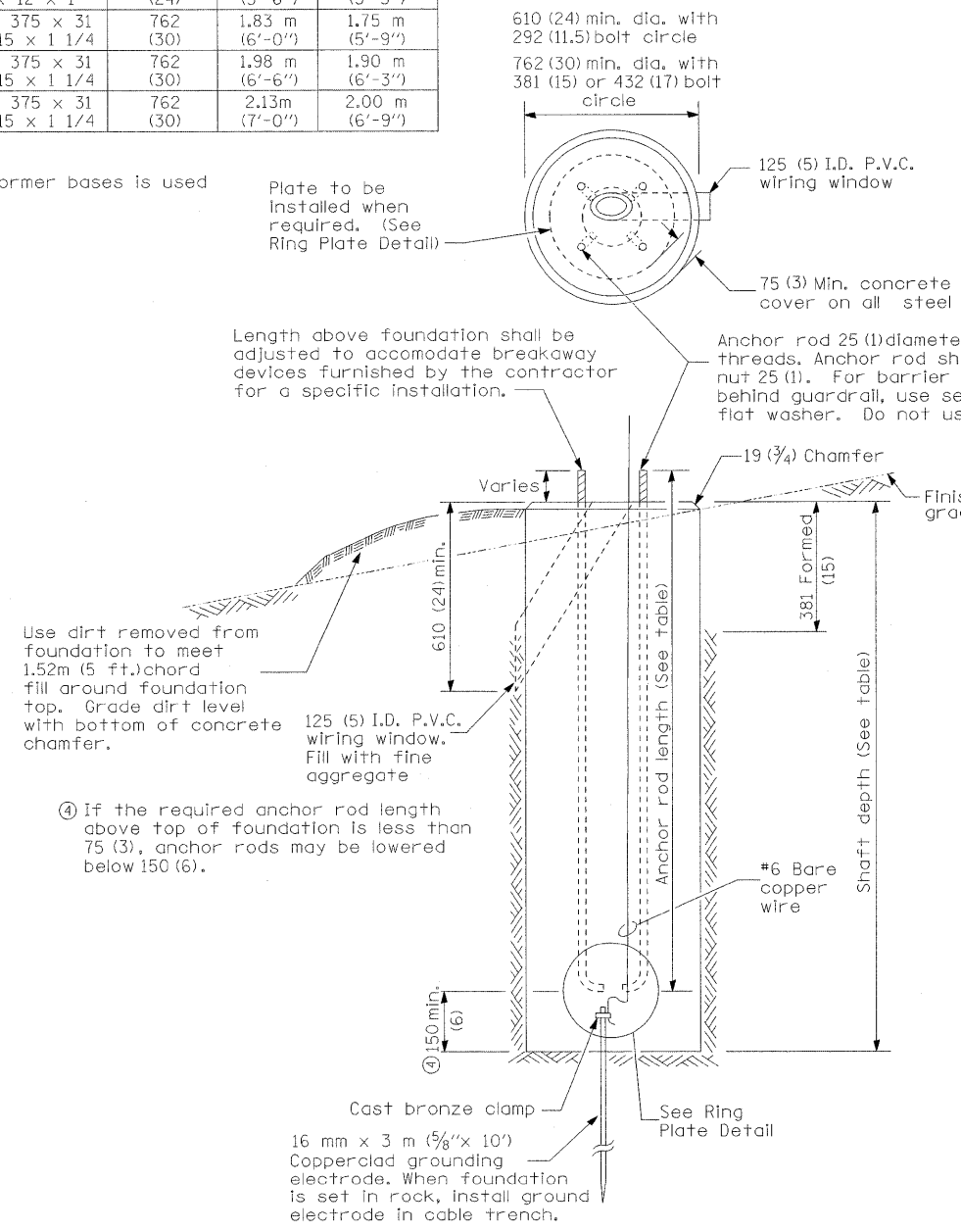
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FILE NAME =	USER NAME = Ander00846	DESIGNED - PJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN NORTHMOOR ROAD STAGE 3 IMPROVEMENT		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
I:\09\Jobs\09L2027B\CADD\Elec\Sheet\04.dgn		DRAWN - ANC	REVISED -		SCALE: 1:20	SHEET NO. 5 OF SHEETS	STA. 106+50 TO STA. 107+00	6647	08-00302-00-PV	PEORIA	85	50
PLOT SCALE = 20,0000' / in.		CHECKED - RDN	REVISED -						09-00047-01-PV			
PLOT DATE = 10/16/2009		DATE - 10/16/09	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-M-50931(139)		

LIGHT POLE HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH ^①
≤ 9.1 m (30')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 (15) ③	220 (8 5/8)	2.44 m (8')	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	2.13m (7'-0")	2.00 m (6'-9")

- ① Length does not include 100 (4) hook
- ② 220 mm x 2.44 m (8 5/8" x 8'-0") for Twin luminaires
- ③ Bolt circle diam. shall be 430 (17) when a TB3-17 transformer bases is used



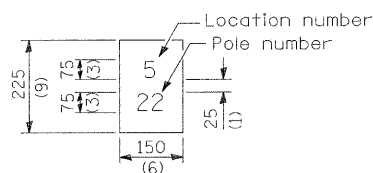
Pole Foundation Setback:
For horizontal mounted luminaires, setback shall be a minimum of 1.5' from face of curb.

- Notes:
- Wireway may be on front, back, or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
 - Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
 - All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSP. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.
 - Anchor rod shall be increased to 31 (1 1/4) diameter for 15.24 (50') mounting height or above.
 - TB3-17 transformer base is not to be used on metal foundation.

CONCRETE FOUNDATION

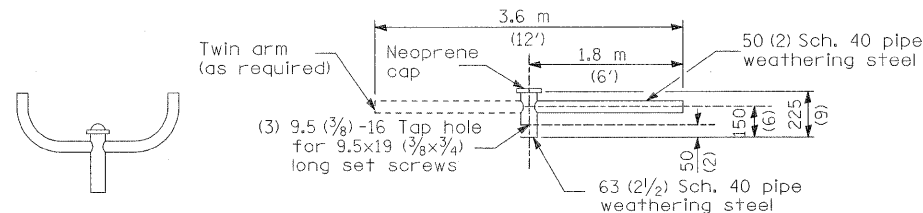
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = Ander-00846	DESIGNED - PJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT POLE FOUNDATION NORTHMOOR ROAD STAGE 3 IMPROVEMENT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\09\jobs\09L00270\CADD\Elec\Sheet\0-005.dgn		DRAWN - ANC	REVISED -		6647	08-00302-00-PV	PEORIA	85	51			
PLOT SCALE = 20.0000' / 1in.		CHECKED - RDN	REVISED -		09-00047-01-PV			CONTRACT NO. 89526				
PLOT DATE = 10\16\2009		DATE - 10/16/09	REVISED -		SCALE: NONE	SHEET NO. 6 OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-M-5093(139)		



The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

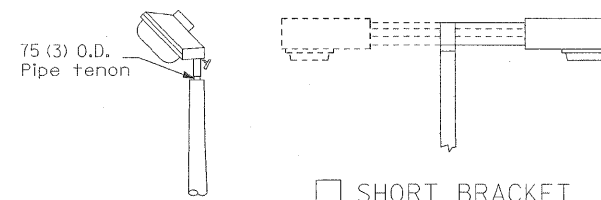
The light pole identification shall be applied to sign base material as specified in section 1069.06 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 720001.



TWIN TENON

TENON MOUNT BRACKET ARM

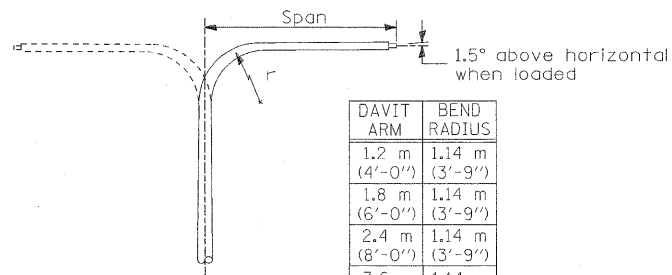
NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



TENON

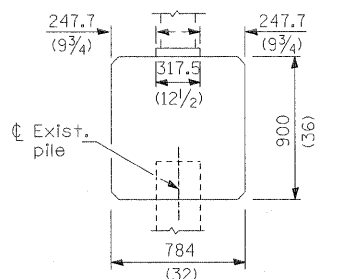
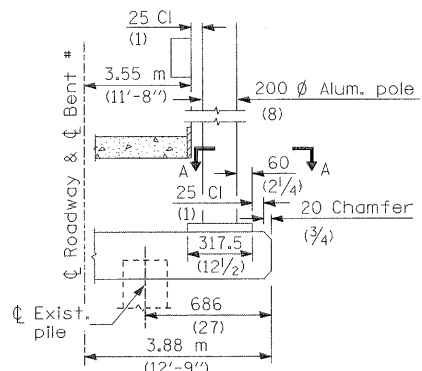
SHORT BRACKET

SHORT BRACKET - TWIN

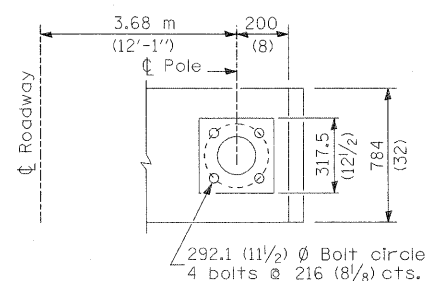


DAVIT ARM

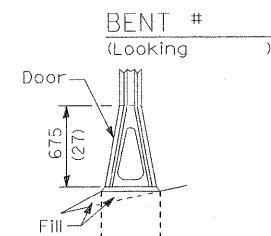
DAVIT ARM-TWIN



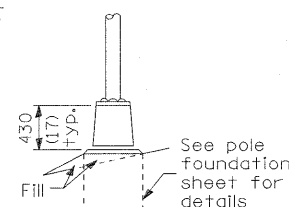
BRIDGE PIER MOUNT



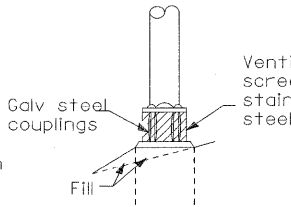
SECTION A-A



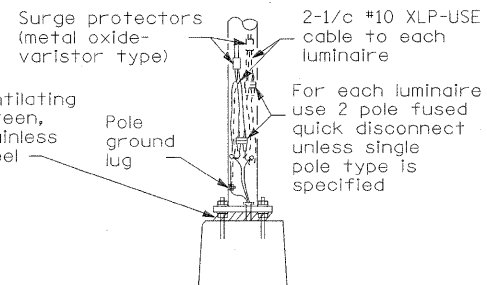
STAINLESS STEEL FLAIR BASE



TRANSFORMER BASE



BREAKAWAY COUPLING

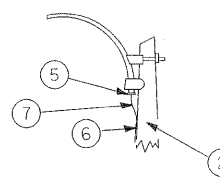


ANCHOR

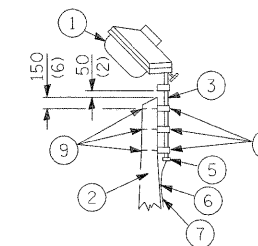
METAL OR CONCRETE

Details for underground distribution if required

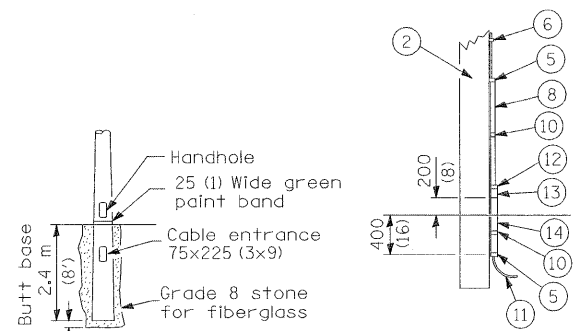
- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type use cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
- ⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Condulet, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



MAST ARM



TENON

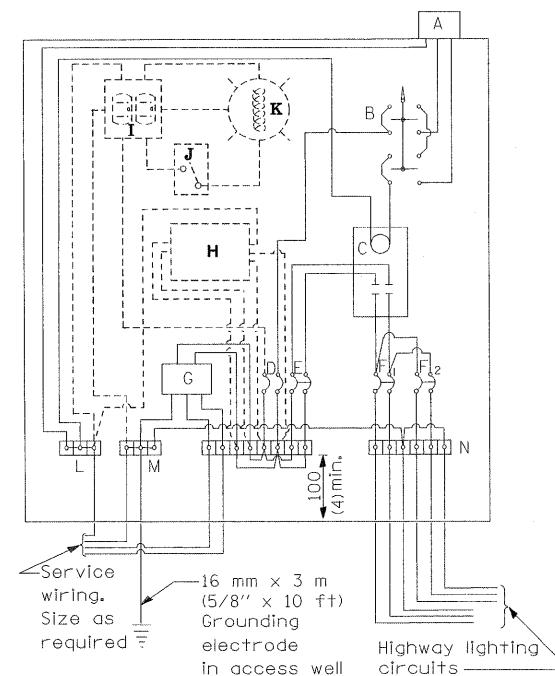
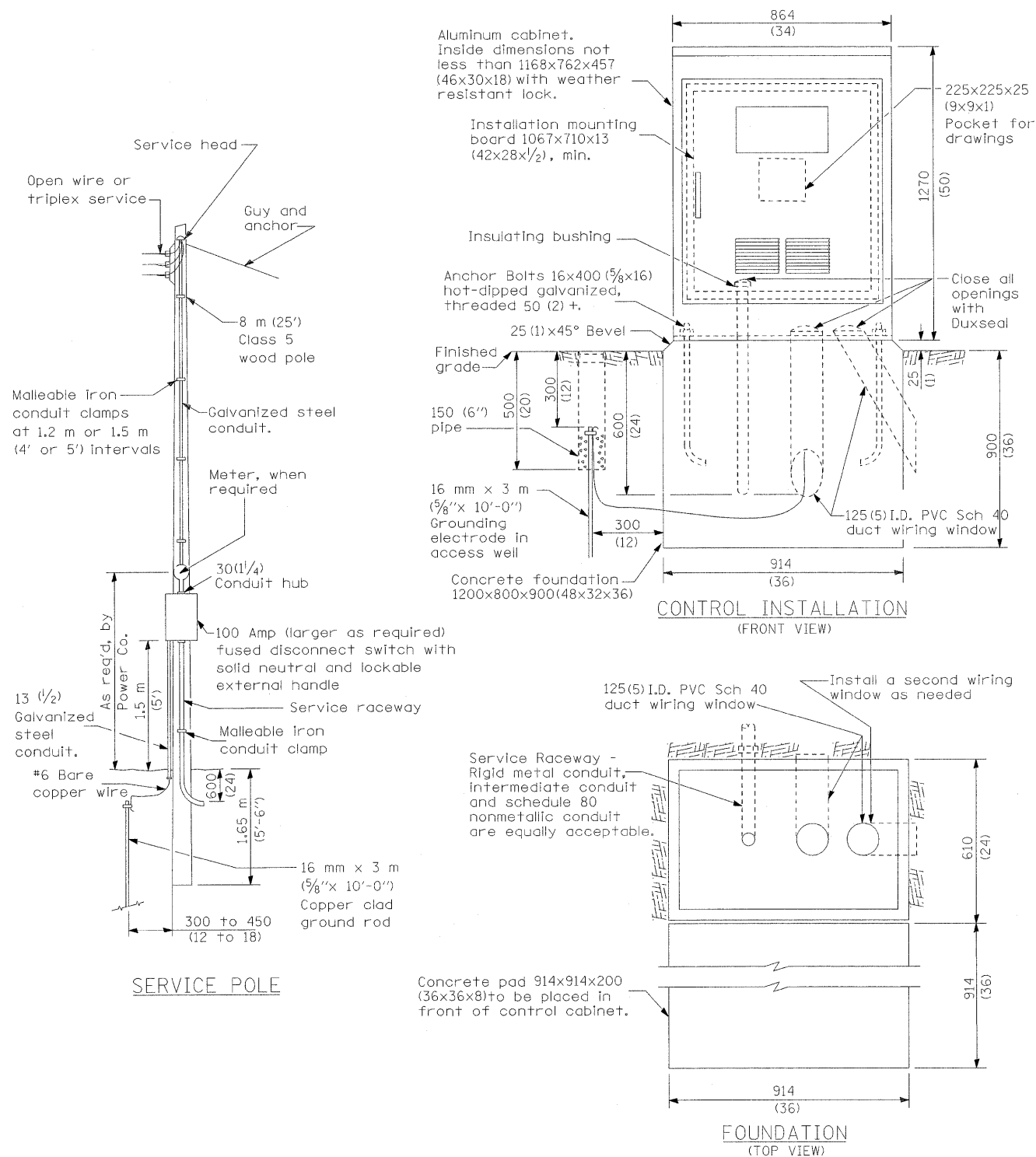


BUTT BASE

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

POLE, WOOD

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



MATERIALS

- A Photocell w/ integral surge arrester (remote mount in urban areas)
 - B 3 position selector switch HAND-OFF-AUTO
 - C 100 amp* electrically held contactor, 120V operating coil
 - D 15 amp, 1 pole, circuit breaker
 - E 100 amp*, 2 pole, main circuit breaker
 - F 30 amp*, 2 pole, branch circuit breaker (typ). 4 spare c.b. required but not shown
 - G Surge arrester
 - H Transformer (see notes), 1 KVA*, 240/480V primary, 120/240V sec, single phase
 - I GFCI duplex receptacle
 - J Single pole, single throw switch
 - K Shielded security fixture with 100W lamp
 - L Neutral bar
 - M Equipment ground bar
 - N Terminal block (typ)
- (* = Size larger as needed)

CONTROL SCHEMATIC

GENERAL NOTES

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Locate in close proximity to the utility transformer so the service drop does not exceed 46 m (150ft) and the total distance of overhead and underground cable (utility transformer to lighting controller) does not exceed 76 m (250ft). Exact location shall be established by the Engineer.

Wiring shall be panel board fashion. All bends shall be right angles. All runs shall vertical or parallel to panel board. Wires shall be grouped or laced.

All control installation components shall be U.L. listed.

Add receptacle, light, and switch in control cabinet, when specified.

For 480 V service, a step down transformer (dashed lines) is required.

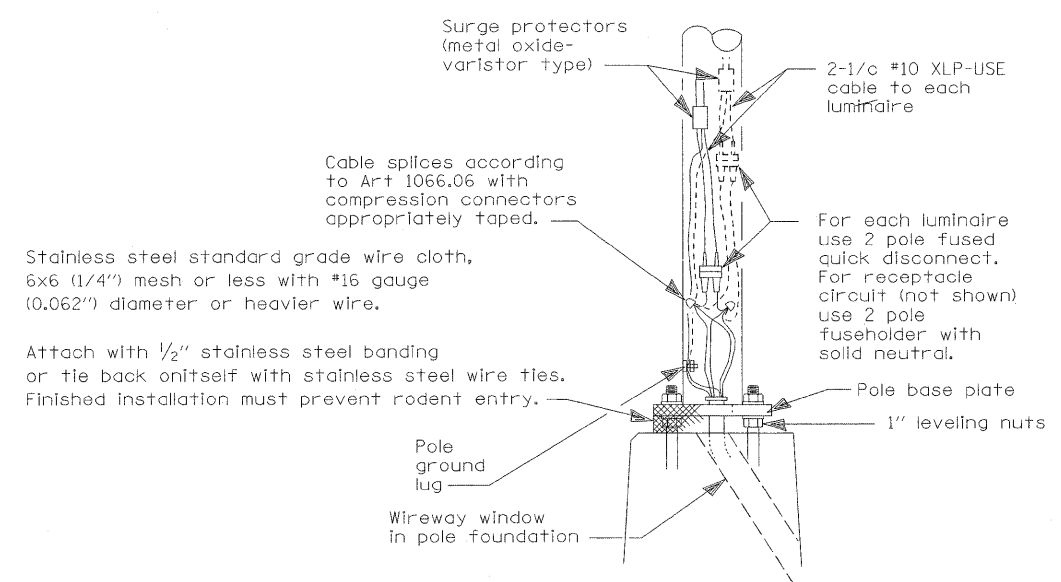
Raceways shall terminate 75 (3) above top of concrete foundation.

Label equipment ground buss and neutral buss.

- 240 V. SERVICE
- 480 V. SERVICE

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

FILE NAME =	USER NAME = Ander00846	DESIGNED - PJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROL INSTALLATION BASE MOUNT CABINET NORTHMOOR ROAD STAGE 3 IMPROVEMENT		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\09\Jobs\09L0027B\CADD\Elec\Sheet\07.dgn		DRAWN - ANC	REVISED -		6647	08-00302-00-PV	PEORIA	85	53		
PLOT SCALE = 20,0000 / 1in.		CHECKED - RDN	REVISED -		09-00047-01-PV			CONTRACT NO. 89526			
PLOT DATE = 10/16/2009		DATE - 10/16/09	REVISED -		SCALE: NONE	SHEET NO. 8 OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



WIRING DETAIL

NO SCALE

GENERAL NOTES

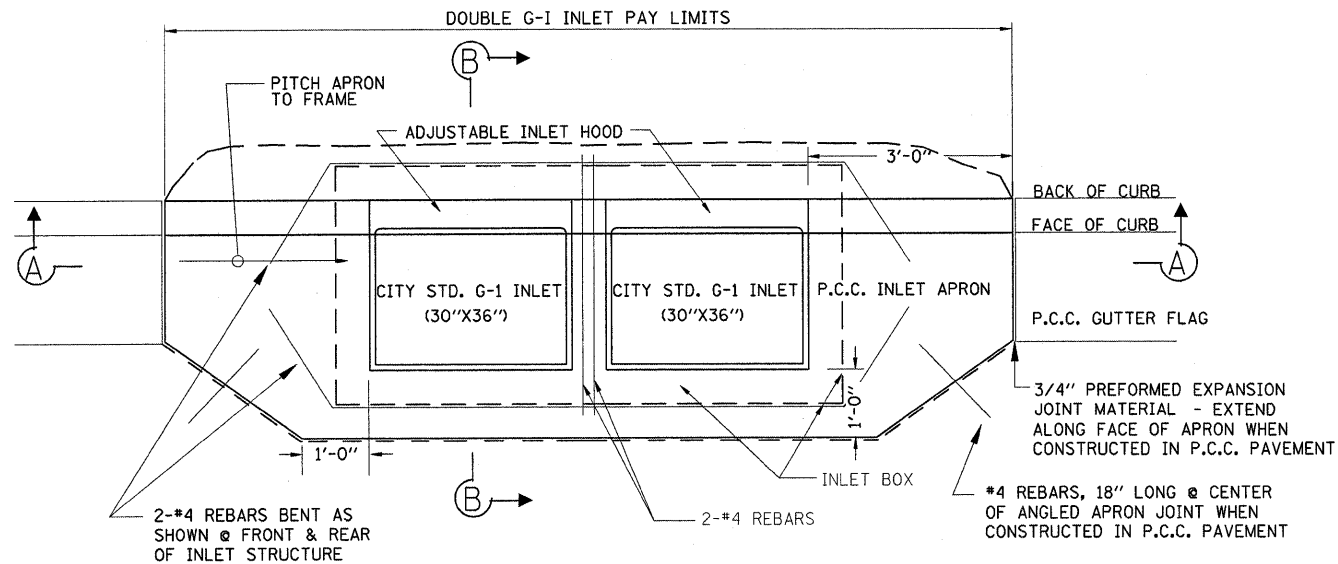
All taped splices shall use 2 layers of electrical tape over 3 layers of rubber tape as required by the Standard Specifications. Coat the finished taped splice with bonding compound.

All cable splices shall be taped unless another method has been specifically approved by the Engineer.

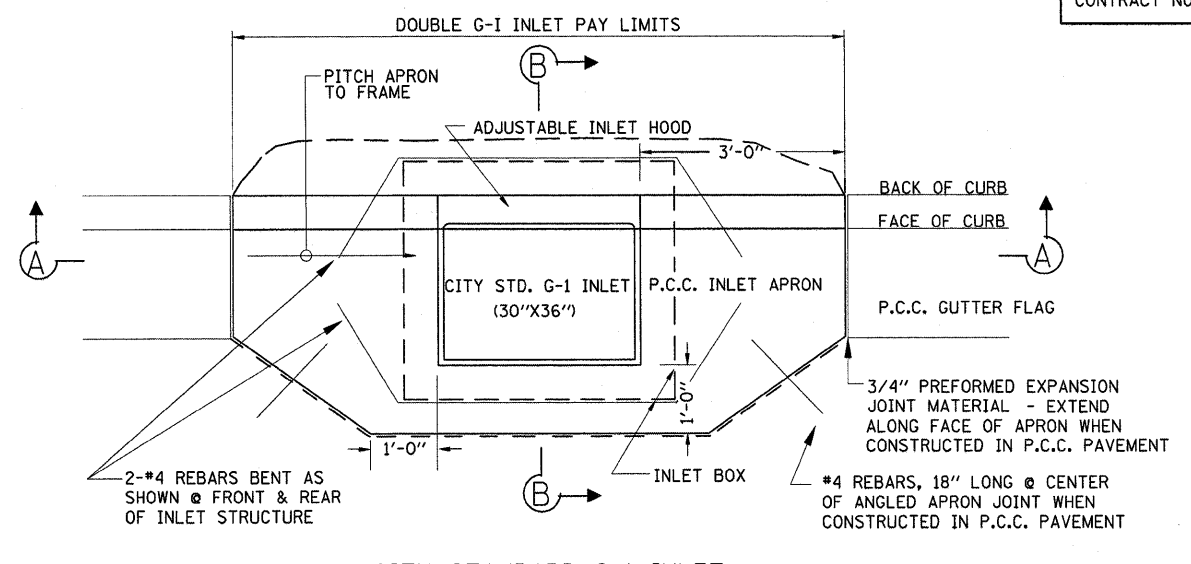
For example purposes the pole is shown on an anchor base. If the pole is required to be set on a breakaway base, consult the Standard Specifications.

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

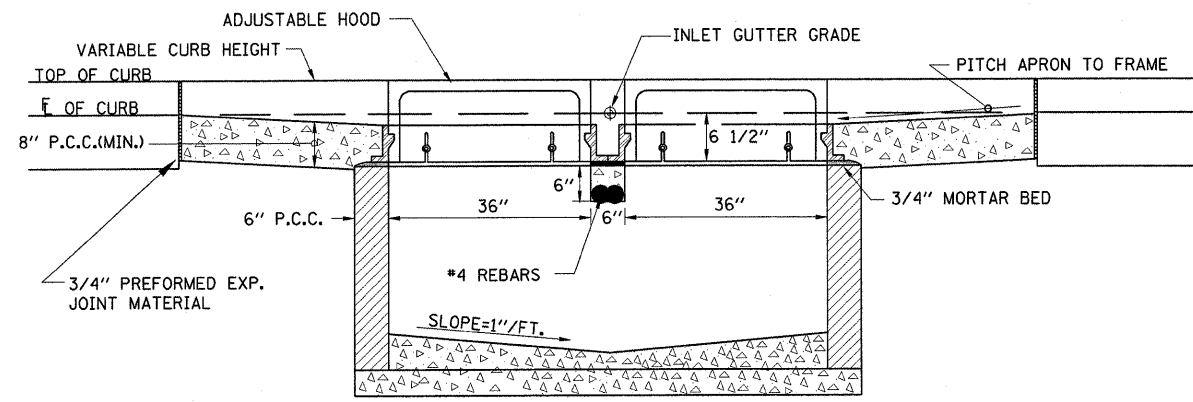
FILE NAME =	USER NAME = Ander00846	DESIGNED - PJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	POLE HANDHOLE WIRING NORTHMOOR ROAD STAGE 3 IMPROVEMENT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
I:\09\Jobs\09L0027B\CADD\Elec\Sheet\08.dgn		DRAWN - ANC	REVISED -		SCALE: NONE	SHEET NO. 9 OF	SHEETS	STA.	TO STA.	6647	08-00302-00-PV	PEORIA	85	54
		CHECKED - RDN	REVISED -								09-00047-01-PV	CONTRACT NO. 89526		
		PLOT DATE = 10/16/2009	DATE - 10/16/09								FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-M-5093(139)	



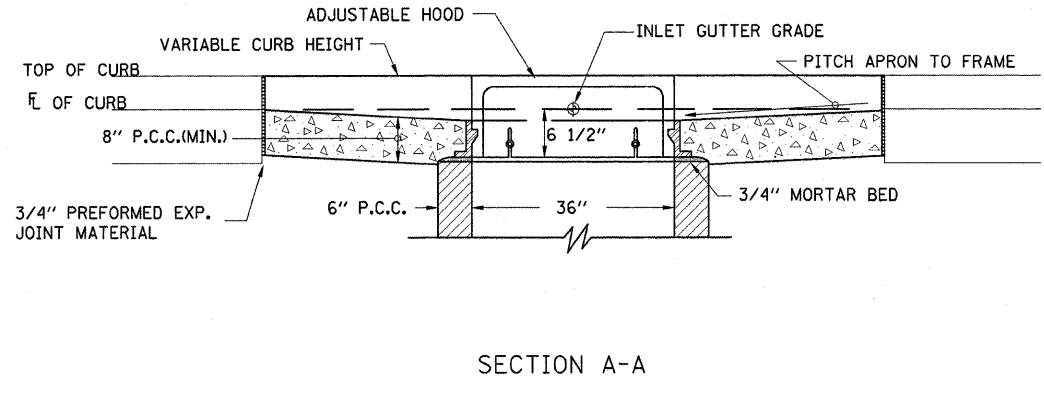
CITY STANDARD DOUBLE G-1 INLET



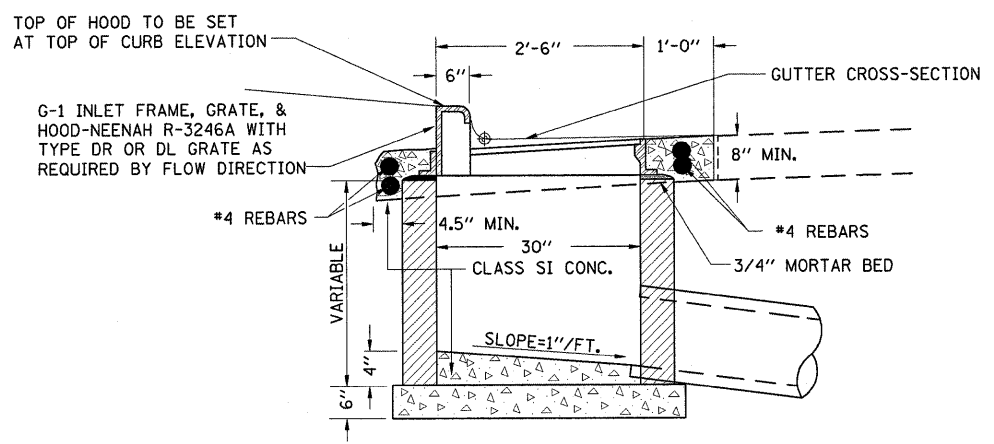
CITY STANDARD G-1 INLET



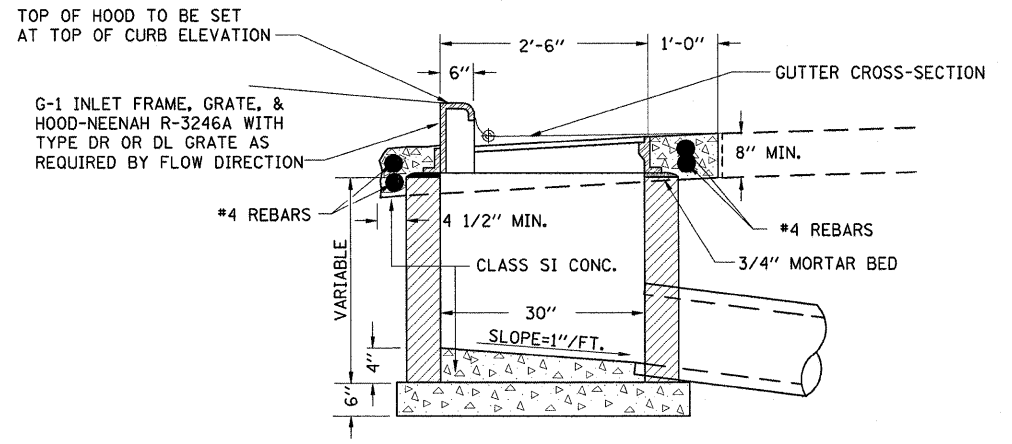
SECTION A-A



SECTION A-A



SECTION B-B



SECTION B-B

INLETS, TYPE G-1, DOUBLE

INLET, TYPE G-1

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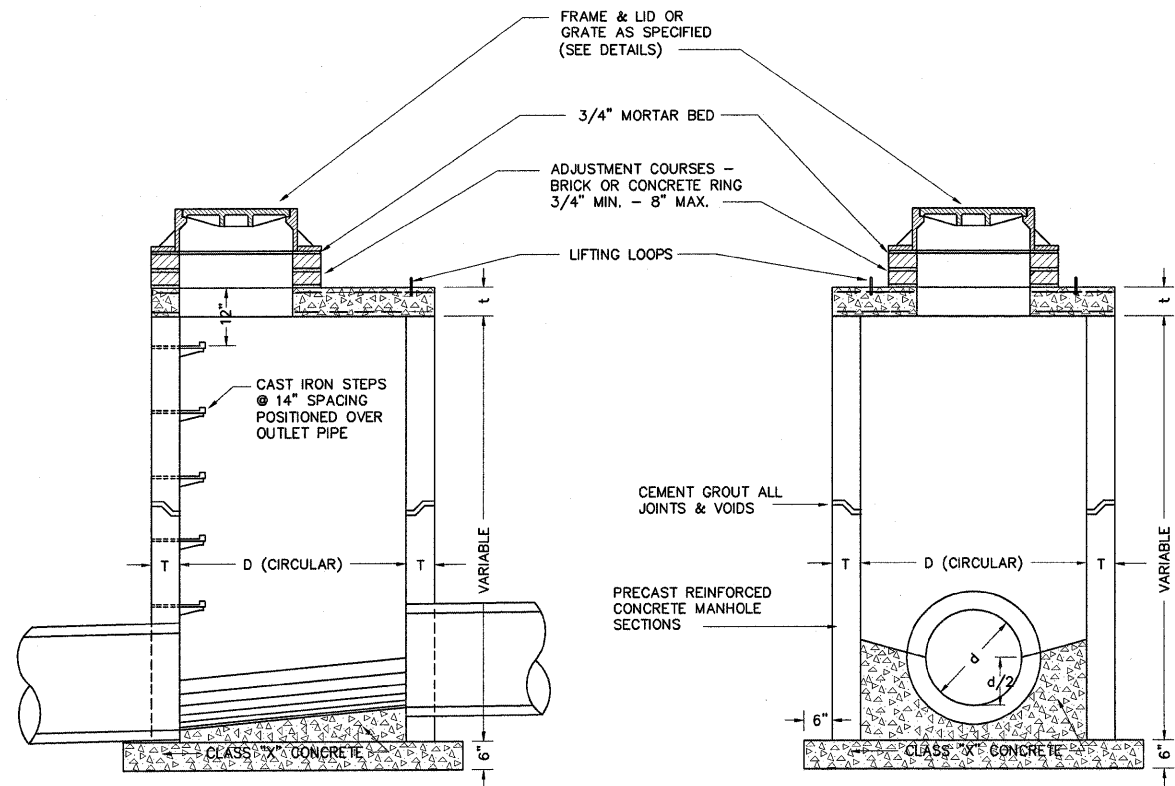
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PLOT SCALE = 5,0000' / 1"		CHECKED - CAL	REVISED -
PLOT DATE = 10/16/2009		DATE - 10/16/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS

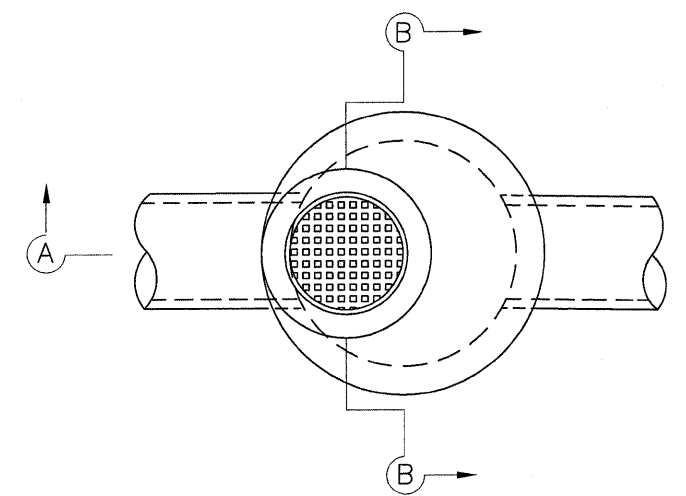
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	55
	09-00047-01-PV			CONTRACT NO. 89526
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5033(139)				



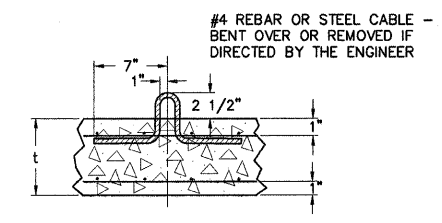
SECTION A-A

SECTION B-B



PLAN

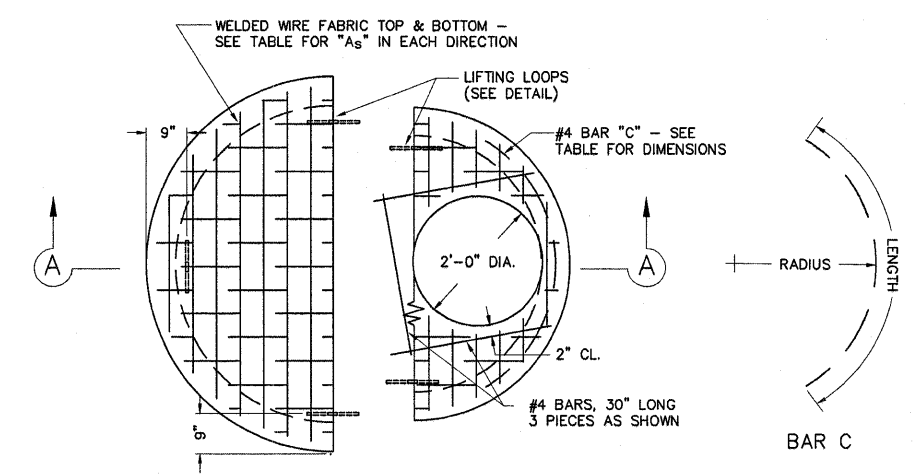
CITY STANDARD MANHOLE
(4', 5' & 6" DIAMETERS)



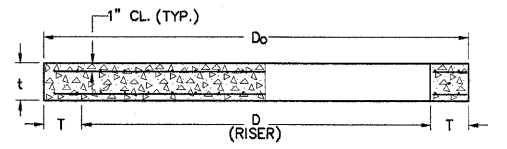
LIFTING LOOP DETAIL

DIAMETER OF MAIN SEWER	D	T	D _o	t	REINFORCEMENT	BAR "C"	
					"A _s " W.W.F. EACH DIRECTION	LENGTH	RADIUS
18" OR LESS	4'-0"	5"	4'-10"	6"	.70 SQ. IN./LIN. FT.	4'-6"	2'-2"
21" TO 42"	5'-0"	6"	6'-0"	8"	.70 SQ. IN./LIN. FT.	5'-0"	2'-8"
AS SPECIFIED	6'-0"	6"	7'-0"	8"	1.06 SQ. IN./LIN. FT.	6'-0"	3'-2"

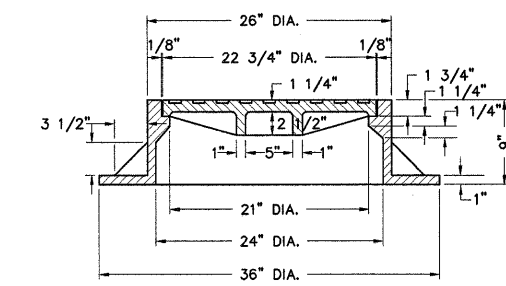
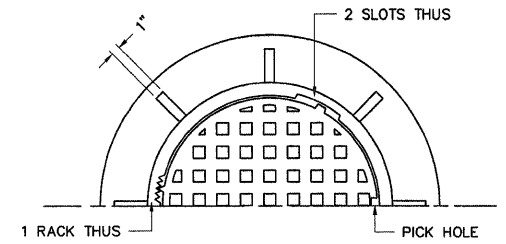
DIMENSION TABLE



PRECAST REINFORCED CONCRETE FLAT SLAB TOP (4', 5' & 6' DIA.)



SECTION A-A



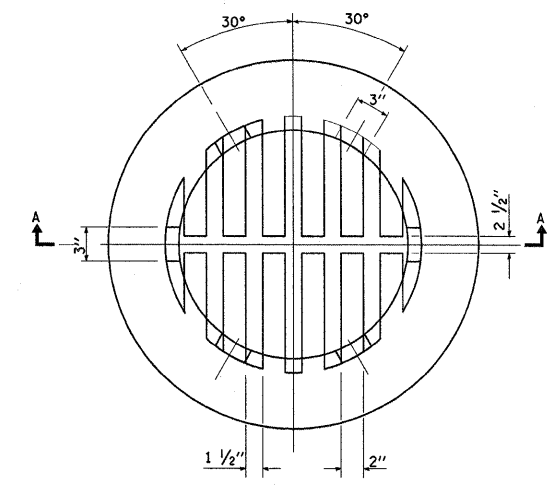
WEIGHT OF FRAME = 390 LBS.
WEIGHT OF LID = 150 LBS.
TOTAL WEIGHT = 540 LBS.

MANHOLE FRAME & LID, TYPE 1

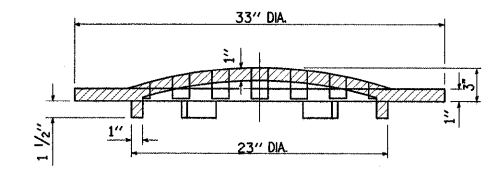
CITY STANDARD NO. 45
NON-ROCKING TYPE
NEENAH R-1015 OR EQUAL

GENERAL NOTES

ALL CONCRETE USED FOR CONSTRUCTION OF THE MANHOLE SHALL BE CLASS SI CONCRETE.
THIS ITEM SHALL INCLUDE THE MANHOLE (4', 5' OR 6" DIAMETER), COMPLETE, IN PLACE AS INDICATED HEREIN, INCLUDING CASTINGS, PRECAST REINFORCED CONCRETE MANHOLE SECTIONS, REINFORCING BARS, STEPS, ADJUSTING COURSES, CLASS SI CONCRETE, TRENCH BACKFILL AND ALL EXCAVATION.
ARTICLE 602.15 OF THE SPECIFICATIONS SHALL NOT APPLY, THIS ITEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CITY STD. MANHOLE (4', 5' OR 6" DIA.), AS SPECIFIED, WHICH SHALL BE PAYMENT IN FULL FOR ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO CONSTRUCT THIS ITEM AS INDICATED.



CAST GRATE



SECTION A-A

GRATE TYPE 8

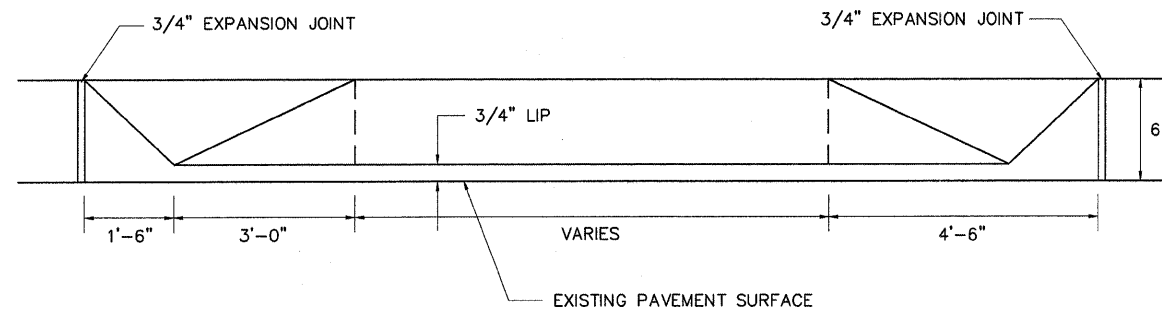
FILE NAME = I:\09\Jobs\09L0027\NCADD\Road\Sheet\c-533det.dgn	USER NAME = Ander00846	DESIGNED - MPB	REVISED -
		DRAWN - RLA	REVISED -
		CHECKED - CAL	REVISED -
		DATE - 10/16/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

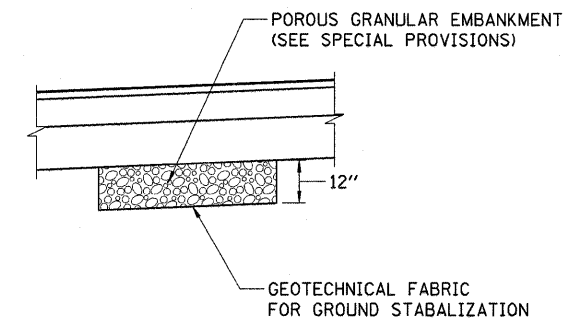
DRAINAGE DETAILS

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

F.A.U. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 56
09-00047-01-PV		CONTRACT NO. 89526		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT ARA-M-5093(139)				

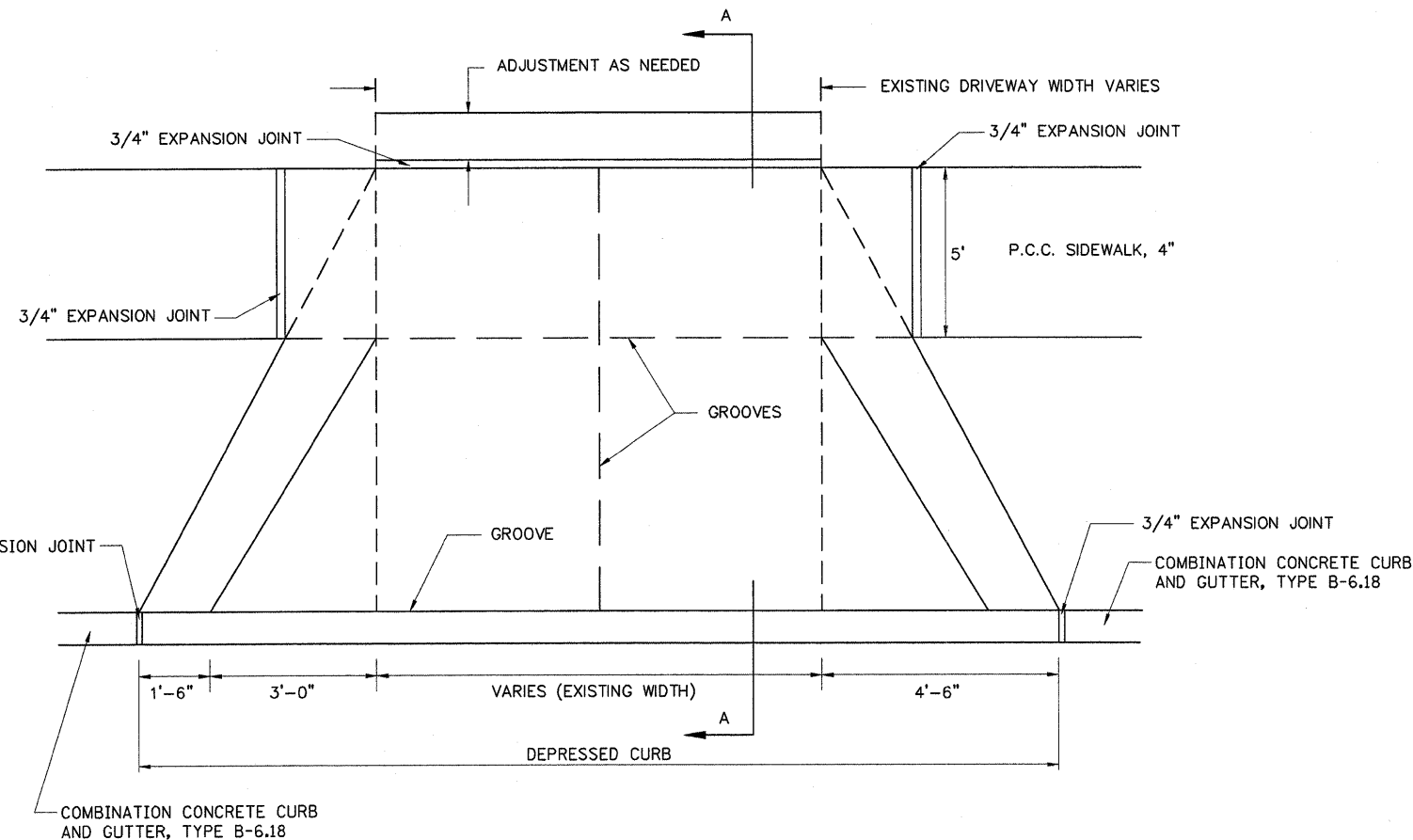


CURB LINE PROFILE

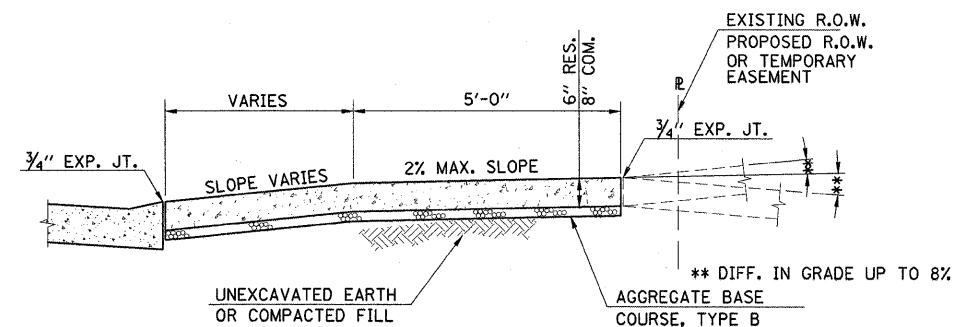


NOTE: UNDERCUT OF MATERIAL TO BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

UNSUITABLE MATERIAL UNDERCUT DETAIL



P.C.C. DRIVEWAY PAVEMENT
ADJACENT TO PROPERTY LINE SIDEWALK



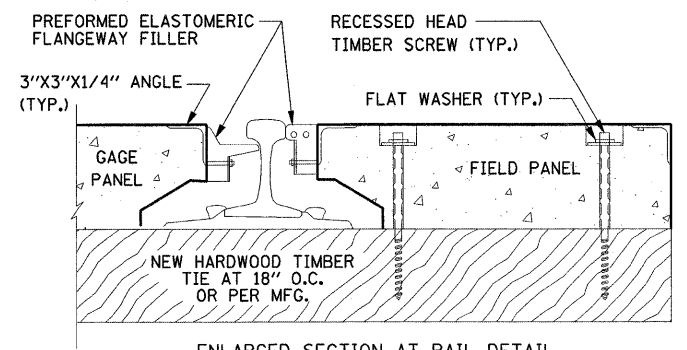
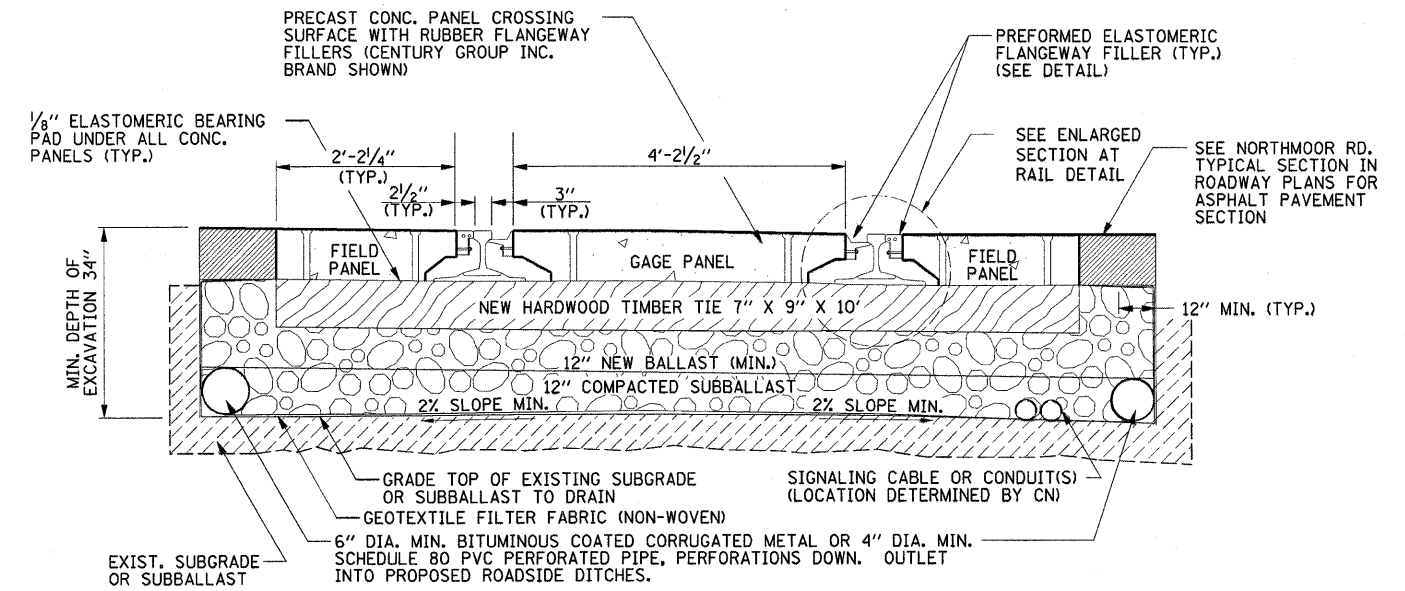
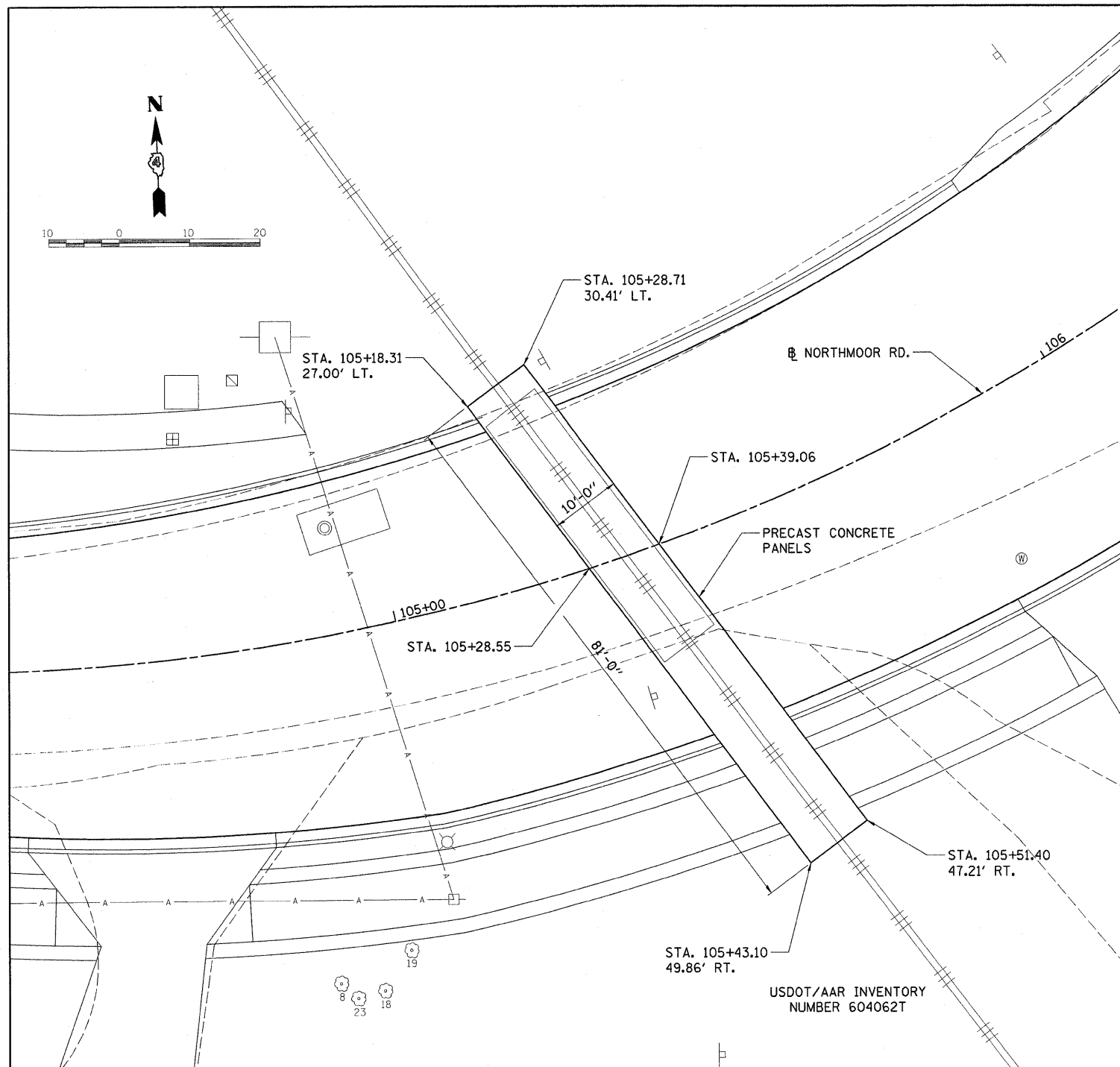
SECTION A - A

NOTE: BEHIND SIDEWALK MATCH EXISTING DRIVEWAY COMPOSITION WITH THE FOLLOWING GUIDELINES:

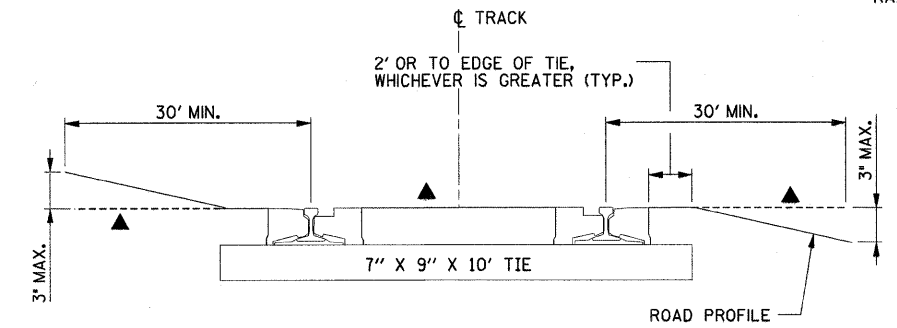
RES. 6" CONC, 4" AGG. BASE
3" BIT, 6" AGG. BASE
6" AGG. SURF.

COM. 8" CONC, 4" AGG. BASE
3" BIT, 6" AGG. BASE
8" AGG. SURF.

FILE NAME =	USER NAME = Ander00846	DESIGNED - MPB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\09Jobs\09L027B\CADD\Road\Sheet\c-595det.dgn	DRAWN - RLA	CHECKED - CAL	REVISED -			6647	08-00302-00-PV	PEORIA	85	58
PLOT SCALE = 5,0000' / 1in.	DATE - 10/16/2009	REVISED -	REVISED -			09-00047-01-PV	CONTRACT NO. 89526			
PLOT DATE = 10/16/2009						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-M-5093(139)		
SCALE: N.T.S						SHEET NO. OF SHEETS		STA. TO STA.		



- NOTES:**
1. SPIKING PATTERN SHALL MATCH EXISTING OR CONFORM TO MANUFACTURERS RECOMMENDATION.
 2. EVERY TIE SHALL BE FULLY BOX ANCHORED THROUGH THE CROSSING AND FOR 10' MINIMUM ON EACH SIDE.
 3. SPIKES, NUTS, BOLTS, WASHERS, AND RAIL ANCHORS SHALL BE NEW AND CONFORM TO AREMA RECOMMENDATIONS.
 4. RAIL SHALL BE NEW OR CLASS 1 RELAY, PER AREMA RECOMMENDATIONS.
 5. REPLACE A MINIMUM OF SIX (6) TIMBER TIES UNDER THE RELOCATED TRANSITION RAIL AND COMPROMISE JOINTS.



▲ THE STRAIGHT LINE GRADE SHOWN IS DEFINED AS A PLANE ACROSS THE TOP OF RAILS

THE ROADWAY GRADE SHALL BE CONNECTED TO THE GRADE ACROSS THE TOP OF RAILS BY A VERTICAL CURVE NO LESS THAN 30' LONG.

RAILROAD CROSSING REPLACEMENT SUMMARY OF QUANTITIES (FOR INFORMATION ONLY)		
	UNIT	QUANTITY
GRADE CROSSING SURFACE	FOOT	81
TRACK (115RE, 7x9x10 TIES)	FOOT	101
COMPROMISE JOINT, REUSE EXISTING (115/90)	EACH	2
COMPROMISE JOINT, RELOCATE AND REUSE EXISTING (115/90)	EACH	2
COMPROMISE JOINT, RELOCATE AND REUSE EXISTING (90/80)	EACH	2
TRANSITION RAIL, RELOCATE AND REUSE EXISTING (9020)	EACH	2
F&I UNDERDRAIN (PERFORATED) (6")	FOOT	120
F&I SUBBALLAST (12")	CU. YD.	63
REMOVE AND DISPOSE OF TRACK	FOOT	101
EXCAVATION AT RR CROSSING	CU. YD.	108
GEOTECHNICAL FABRIC	SQ. YD.	175
F&I TIMBER TIES (7"x9"x10')	EACH	6
F&I BALLAST (AREMA #5)	TON	89

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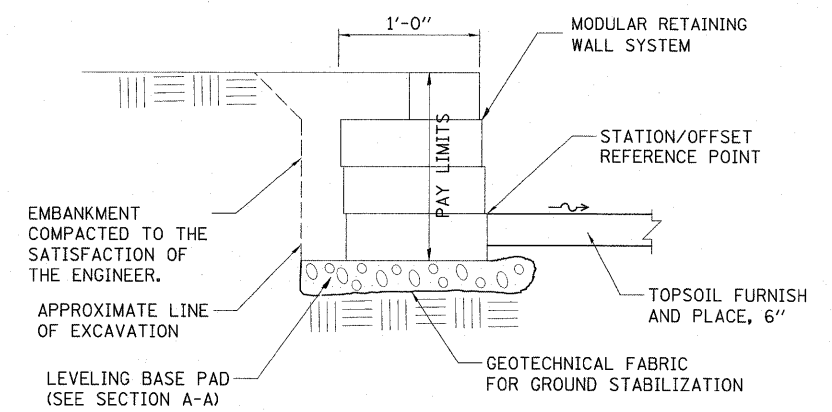
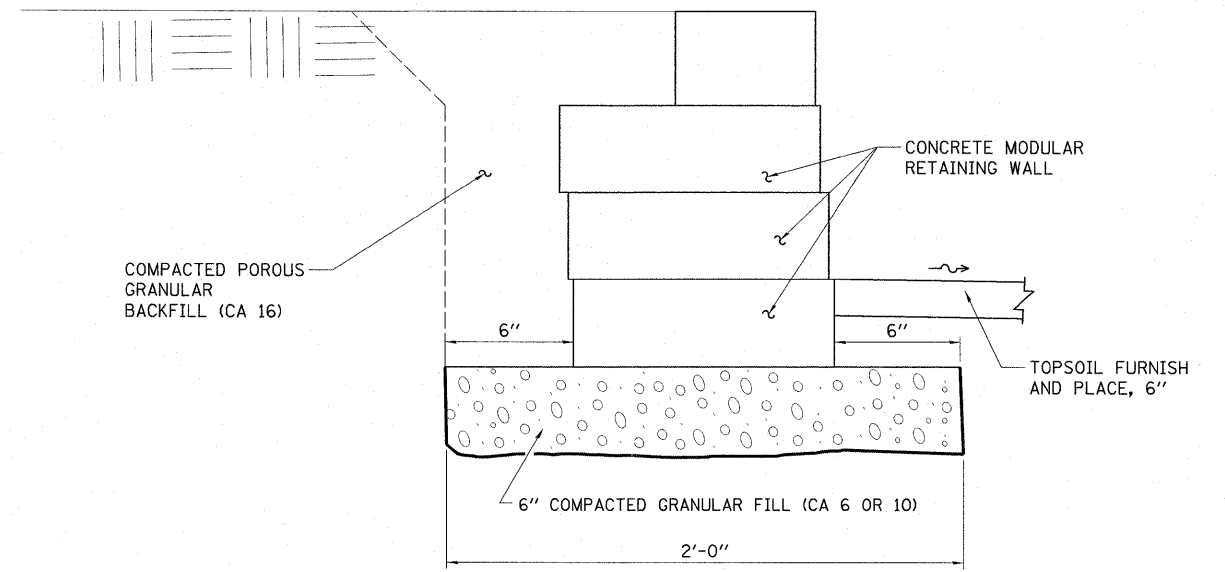
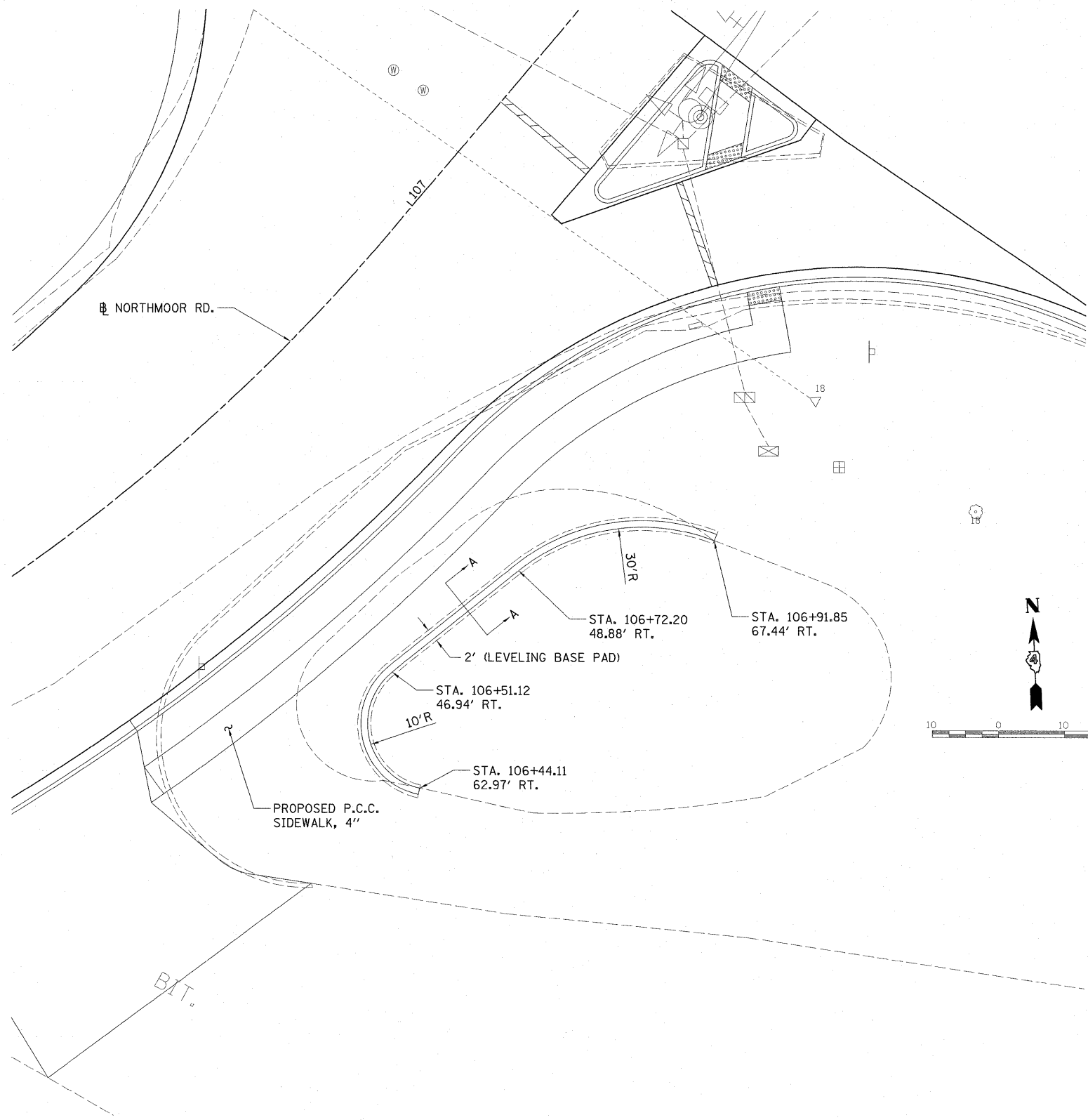
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PLOT DATE = 10/19/2009		DATE - 10/16/2009	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RAILROAD CROSSING DETAIL

SCALE: 1"=10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	59
	09-00047-01-PV			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
			ARA-M-5093(139)	

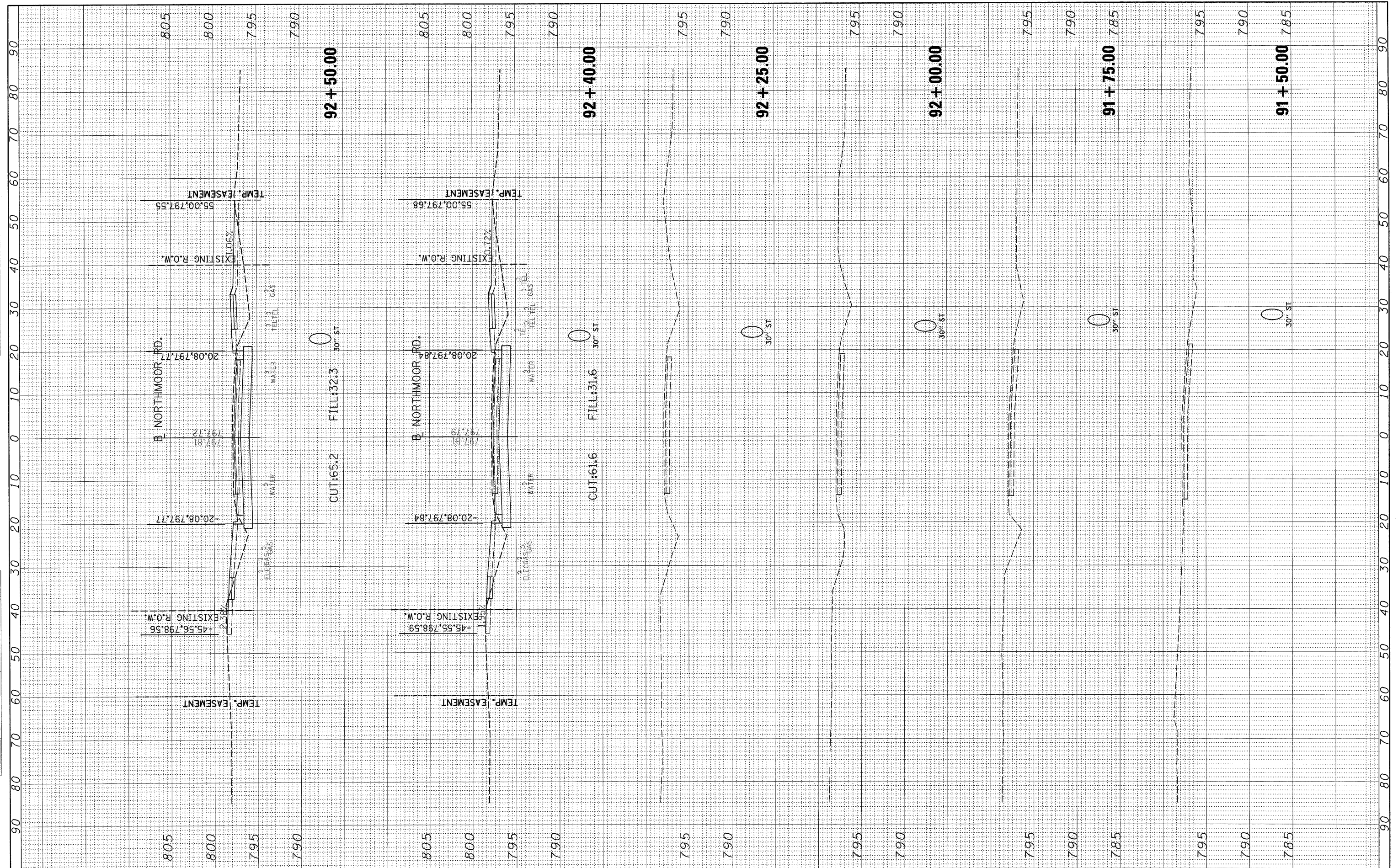


- NOTES:**
1. THE GEOTECHNICAL FABRIC SHALL MEET THE REQUIREMENTS OF THE APPLICABLE PORTIONS OF SECTIONS 210 AND 1080 OF THE STANDARD SPECIFICATIONS.

FILE NAME =	USER NAME = Ander-00846	DESIGNED - MPB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MODULAR BLOCK RETAINING WALL DETAIL	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
J:\09Jobs\09L0027B\CADD\Road\Sheet\c-528det.dgn	DRAWN - RLA	REVISED -	6647			08-00302-00-PV	PEORIA	85	60	
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PLOT DATE = 11/05/2009	DATE - 10/16/2009	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-M-5093(139)							
SCALE: 1"=10'						SHEET NO. OF SHEETS STA. TO STA.				

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

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



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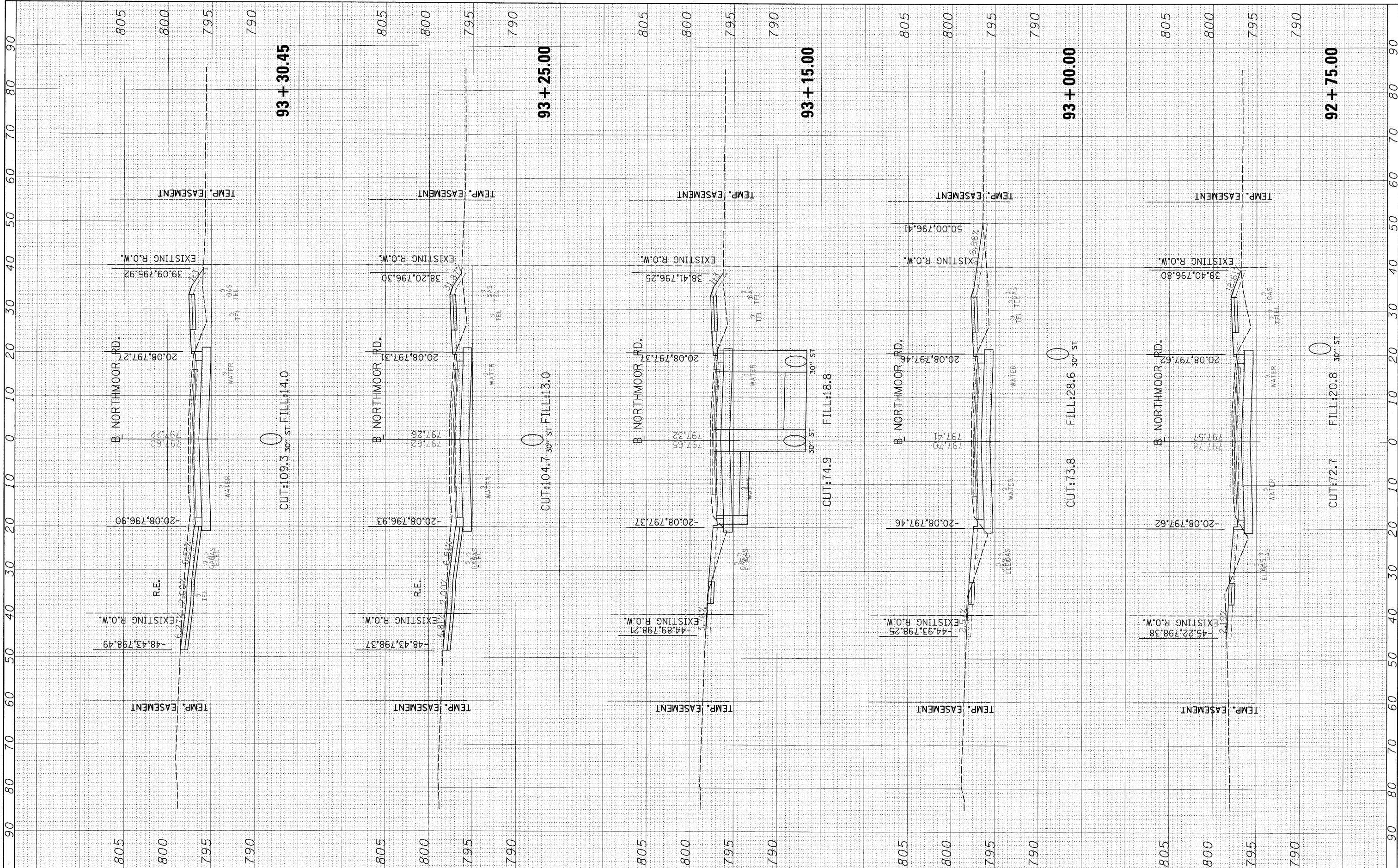
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTHMOOR ROAD
 CROSS SECTIONS**
 SCALE: SHEET NO. OF SHEETS STA. 91+50.00 TO STA. 92+50.00

F.A. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 61
09-0047-01-PV		CONTRACT NO. 89526		
ILLINOIS FED. AID PROJECT ARA-M-5093(139)				

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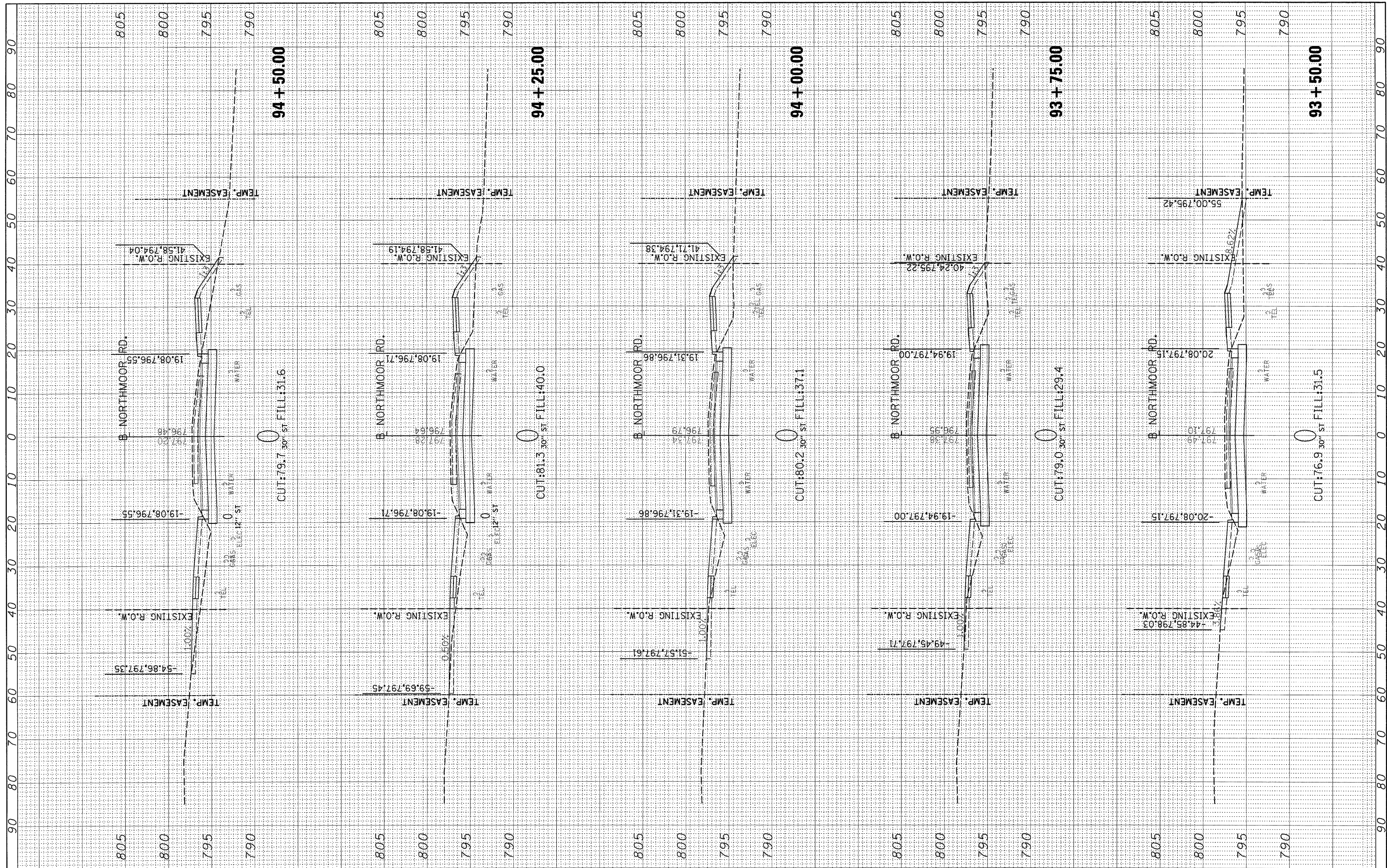
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PLOT SCALE = 10.0000 / 1" = 100'	PLOT DATE = 11/05/2009	DRAWN - MAD	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 92+75.00 TO STA. 93+30.45	09-00047-01-PV	CONTRACT NO. 89526		ILLINOIS FED. AID PROJECT ARA-M-50930139	
		CHECKED - MPB	REVISED -									
		DATE - 10/16/09	REVISED -									
			REVISED -									

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

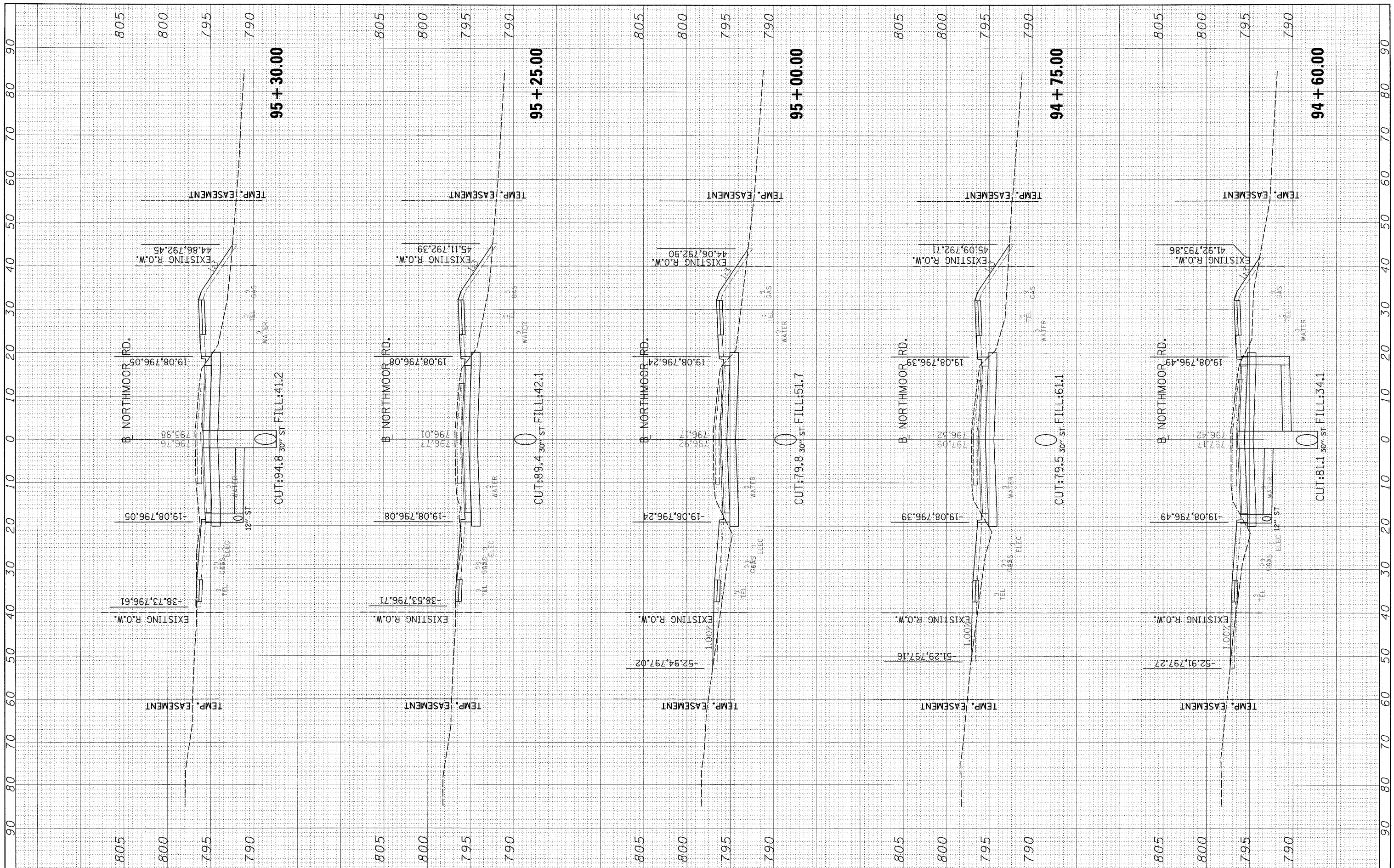
**NORTHMOOR ROAD
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SCALE: SHEET NO. OF SHEETS STA. 93+50.00 TO STA. 94+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	63
09-00047-01-PV			CONTRACT NO. 89526	
ILLINOIS FED. AID PROJECT ARA-M-5030139				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

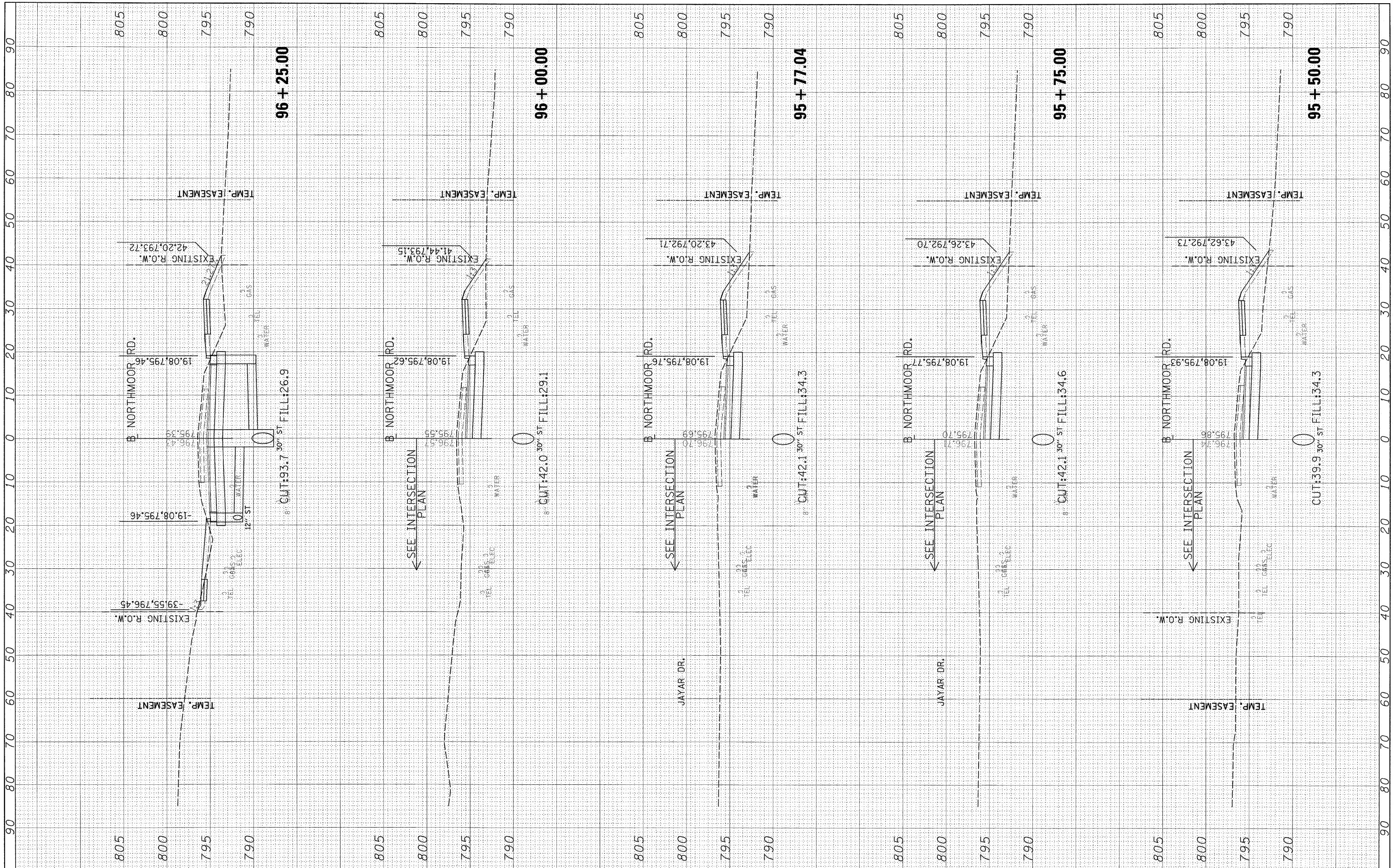
**NORTHMOOR ROAD
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SCALE: SHEET NO. OF SHEETS STA. 94+60.00 TO STA. 95+30.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	64
	09-00047-01-PV			
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
			ARA-M-5093(139)	

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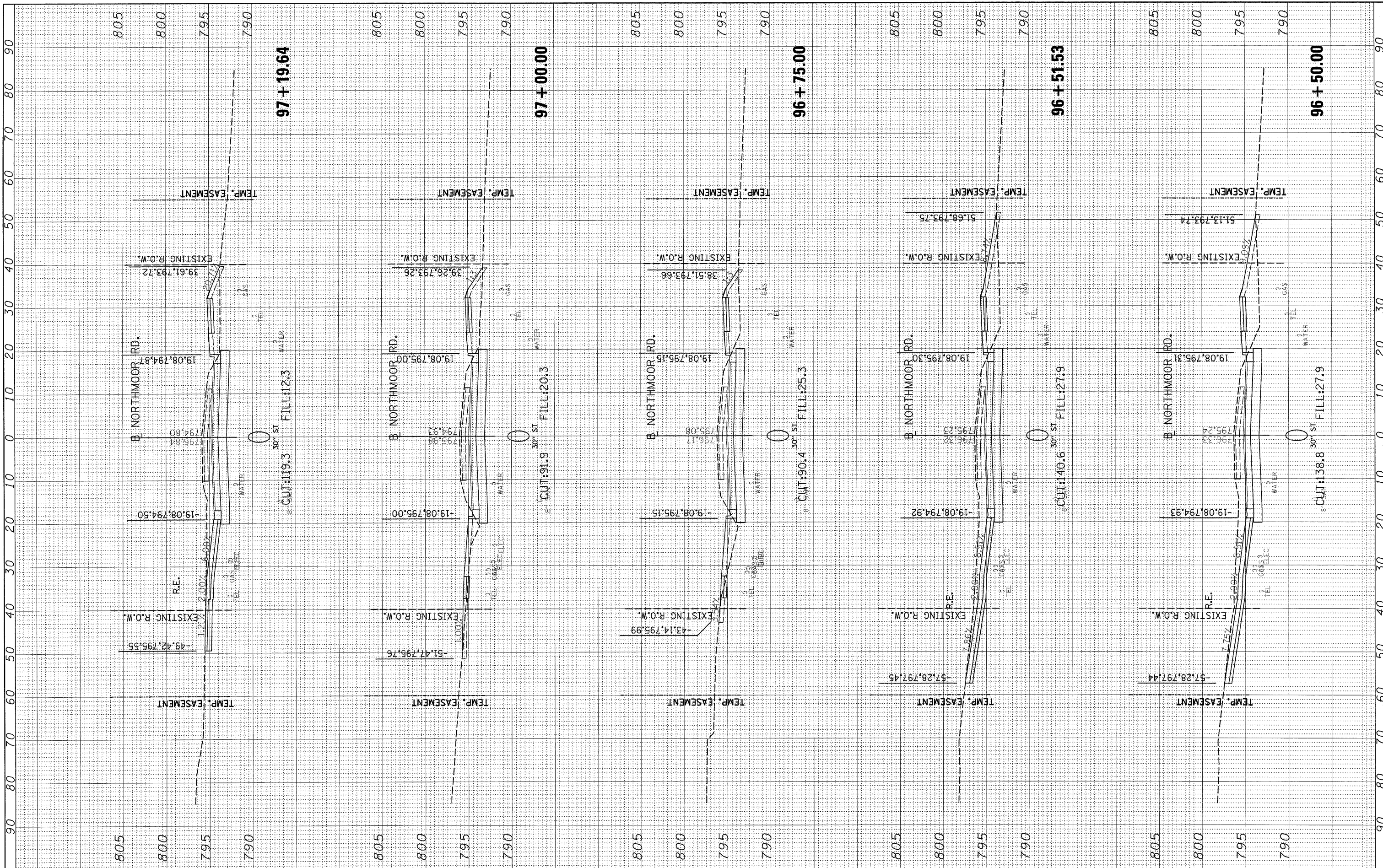
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTHMOOR ROAD
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 SCALE: SHEET NO. OF SHEETS STA. 95+50.00 TO STA. 96+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	65
	09-00047-01-PV			
CONTRACT NO. 89526			ILLINOIS FED. AID PROJECT ARA-M-5093(139)	

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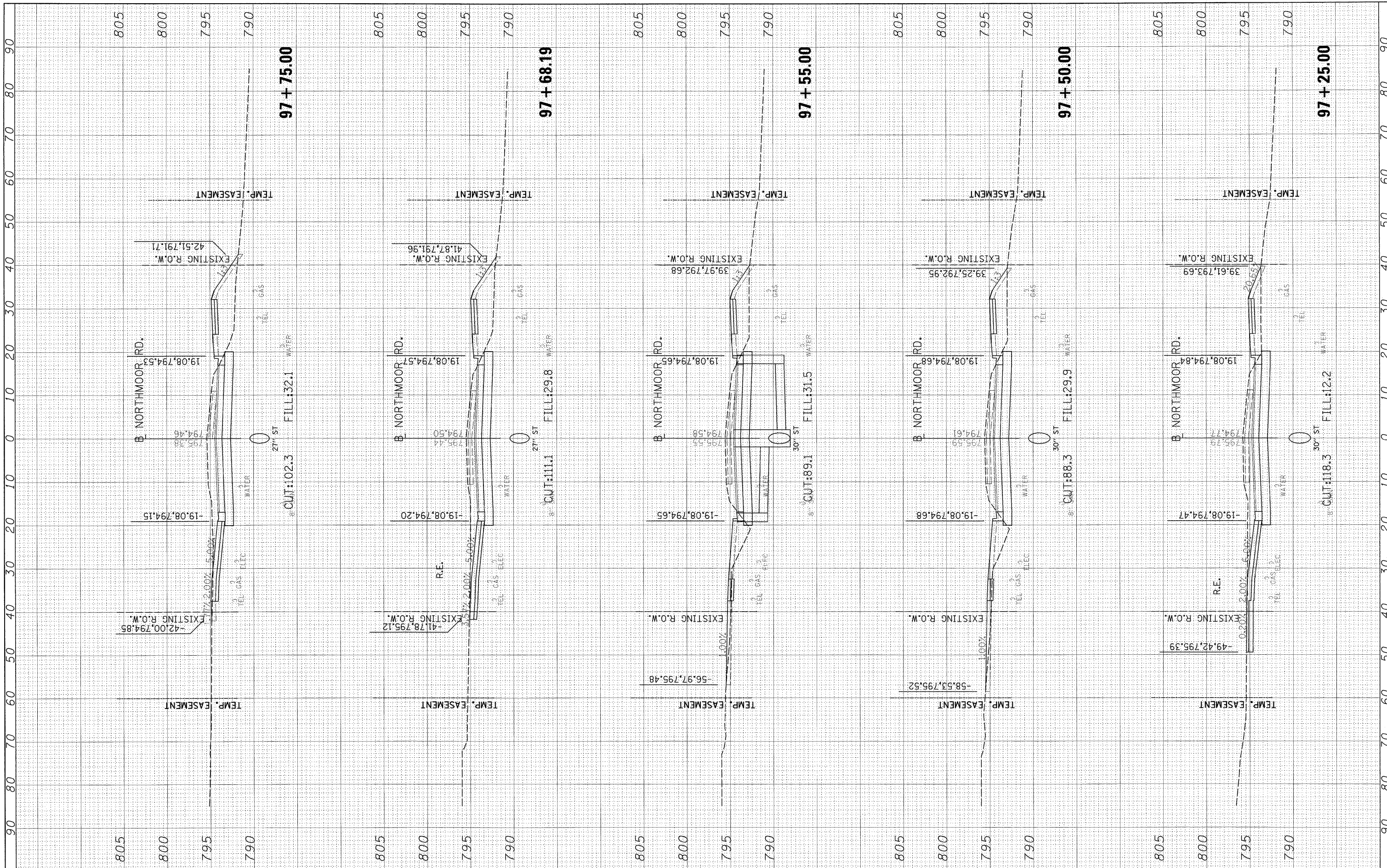
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NORTHMOOR ROAD CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 96+50.00 TO STA. 97+19.64

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	66
	09-00047-01-PV		CONTRACT NO. 89526	
ILLINOIS FED. AID PROJECT ARA-M-5093(139)				

FINAL SURVEY	SURVEYED	BY	DATE
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DATE - 10/16/09	REVISD -

SCALE: 1" = 20'-0"

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

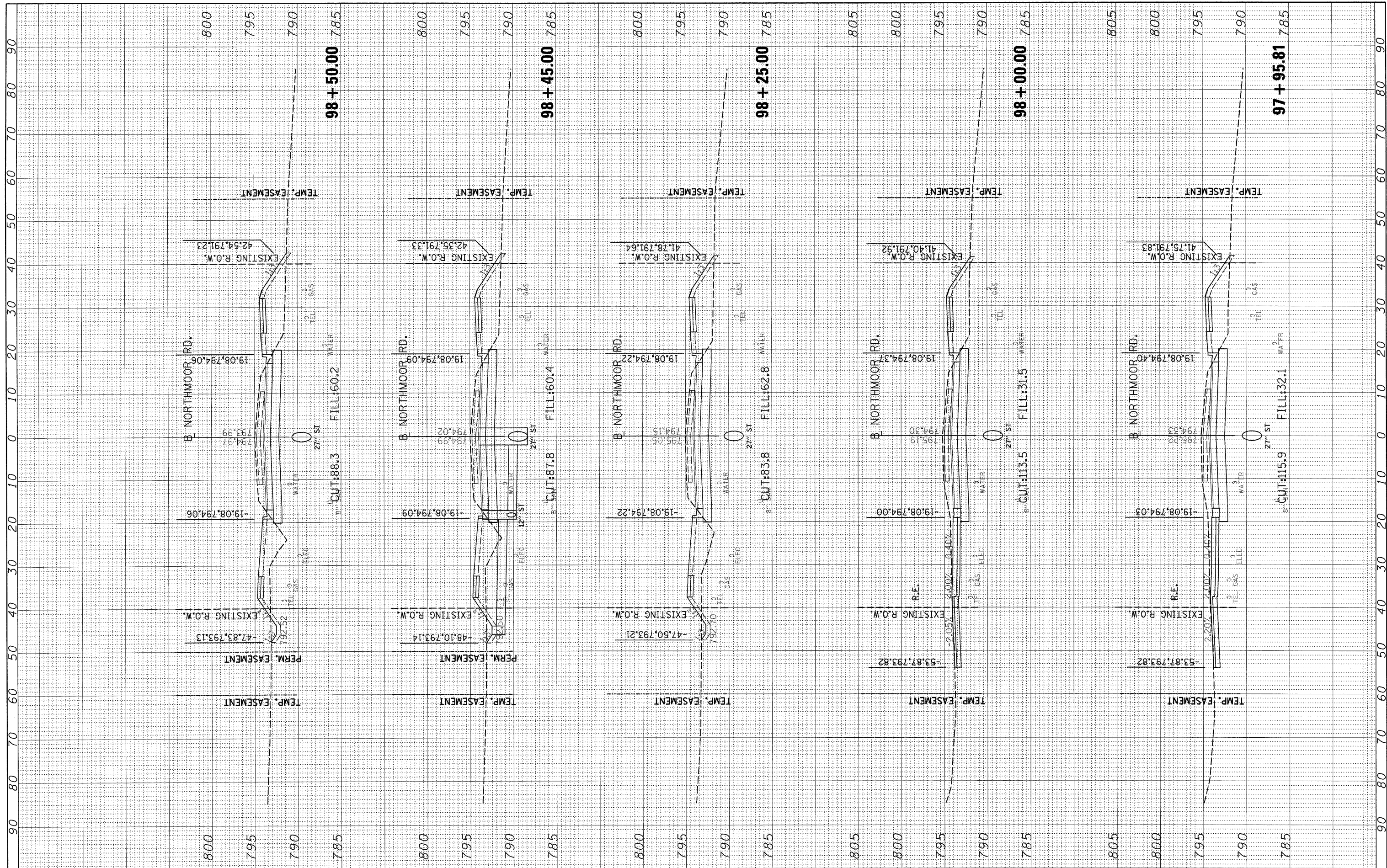
**NORTHMOOR ROAD
CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 97+25.00 TO STA. 97+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	67
	09-00047-01-PV			
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
			ARA-M-5093(139)	

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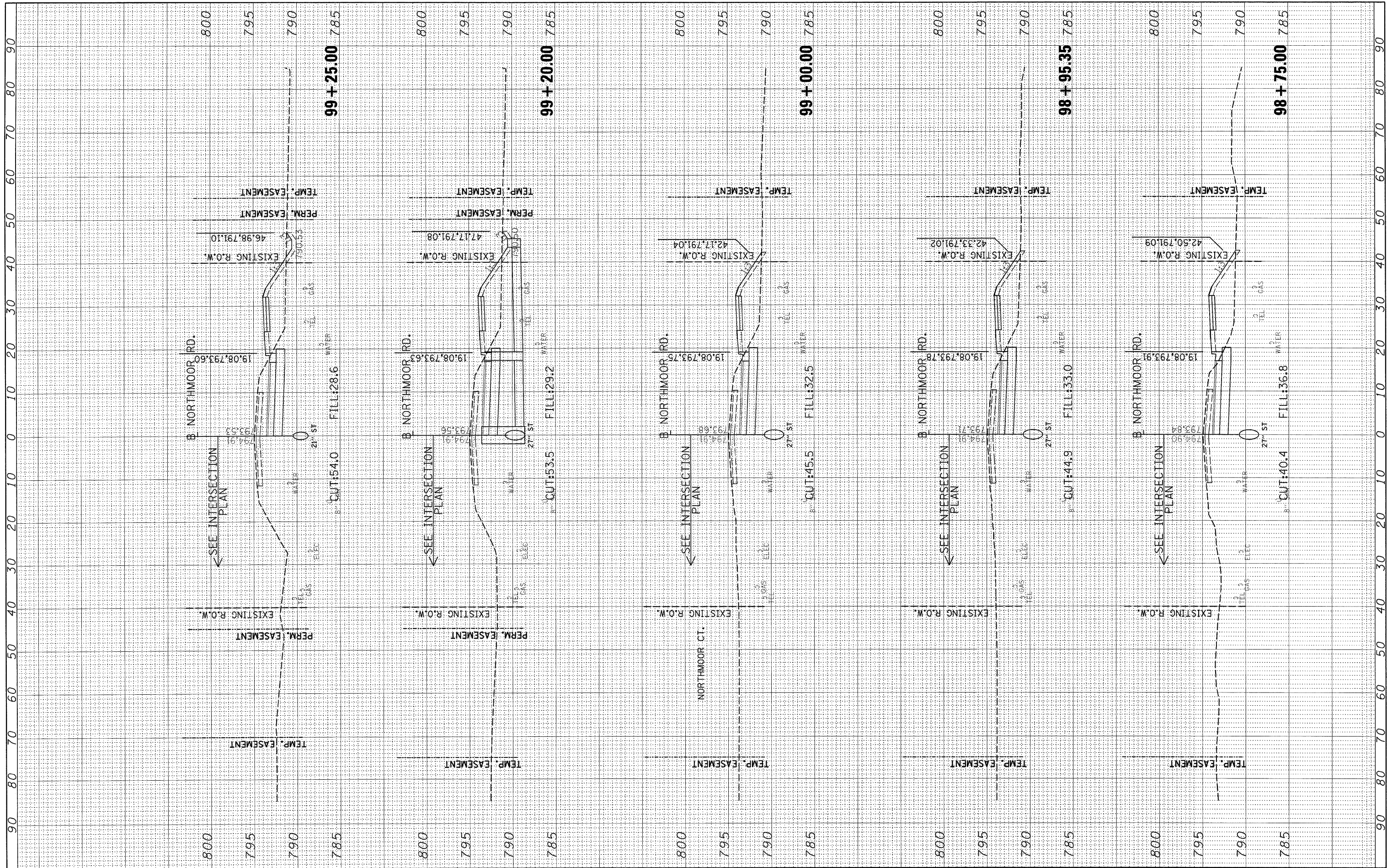
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NORTHMOOR ROAD CROSS SECTIONS			
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F.A. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 68
	09-0047-01-PV		CONTRACT NO. 89526	
[ILLINOIS] FED. AID PROJECT ARA-M-5093(139)				

FINAL SURVEY	SURVEYED	BY	DATE
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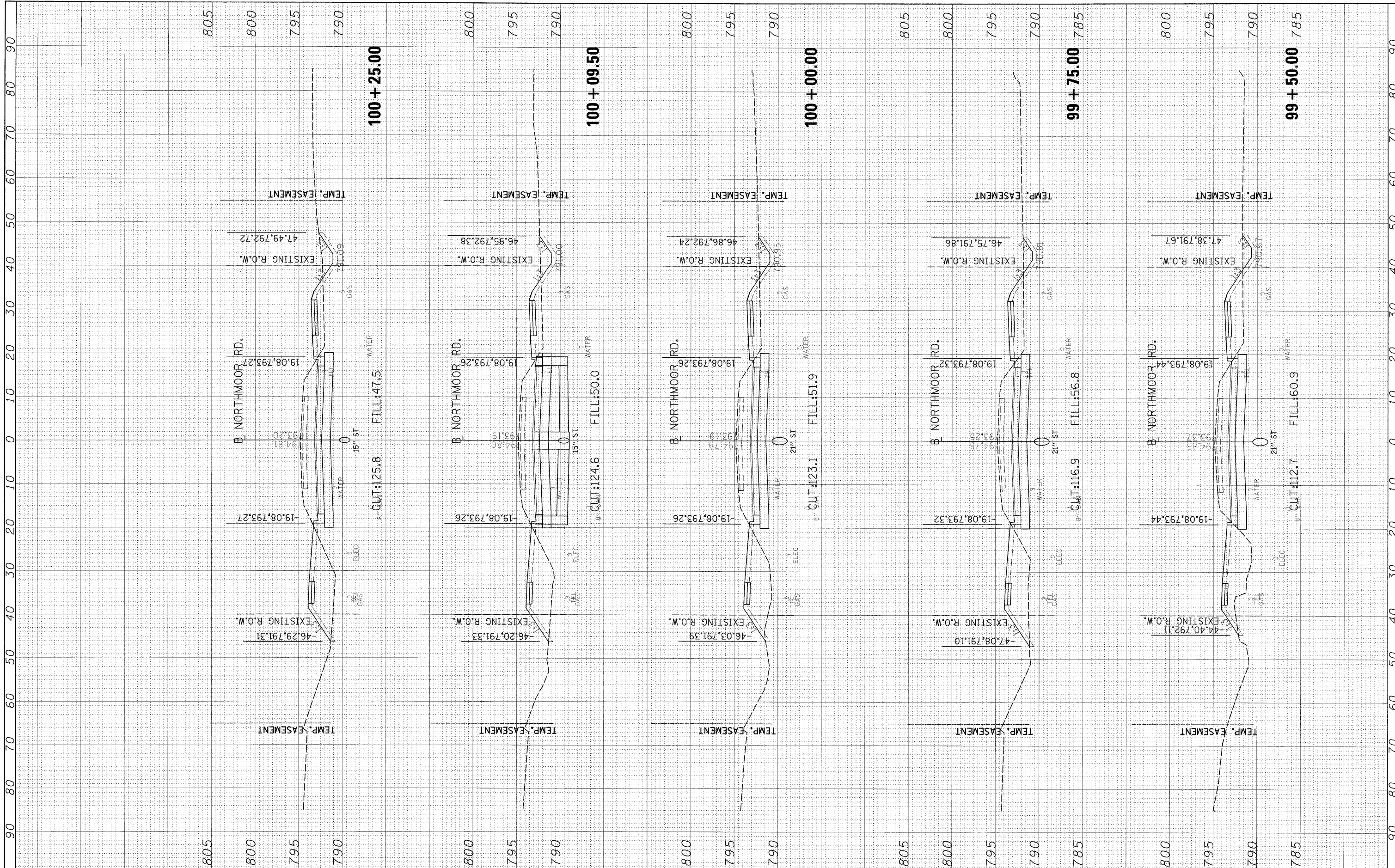
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NORTHMOOR ROAD CROSS SECTIONS			
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F.A. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 69
09-00047-01-PV		CONTRACT NO. 89526		
ILLINOIS FED. AID PROJECT ARA-M-5093139				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

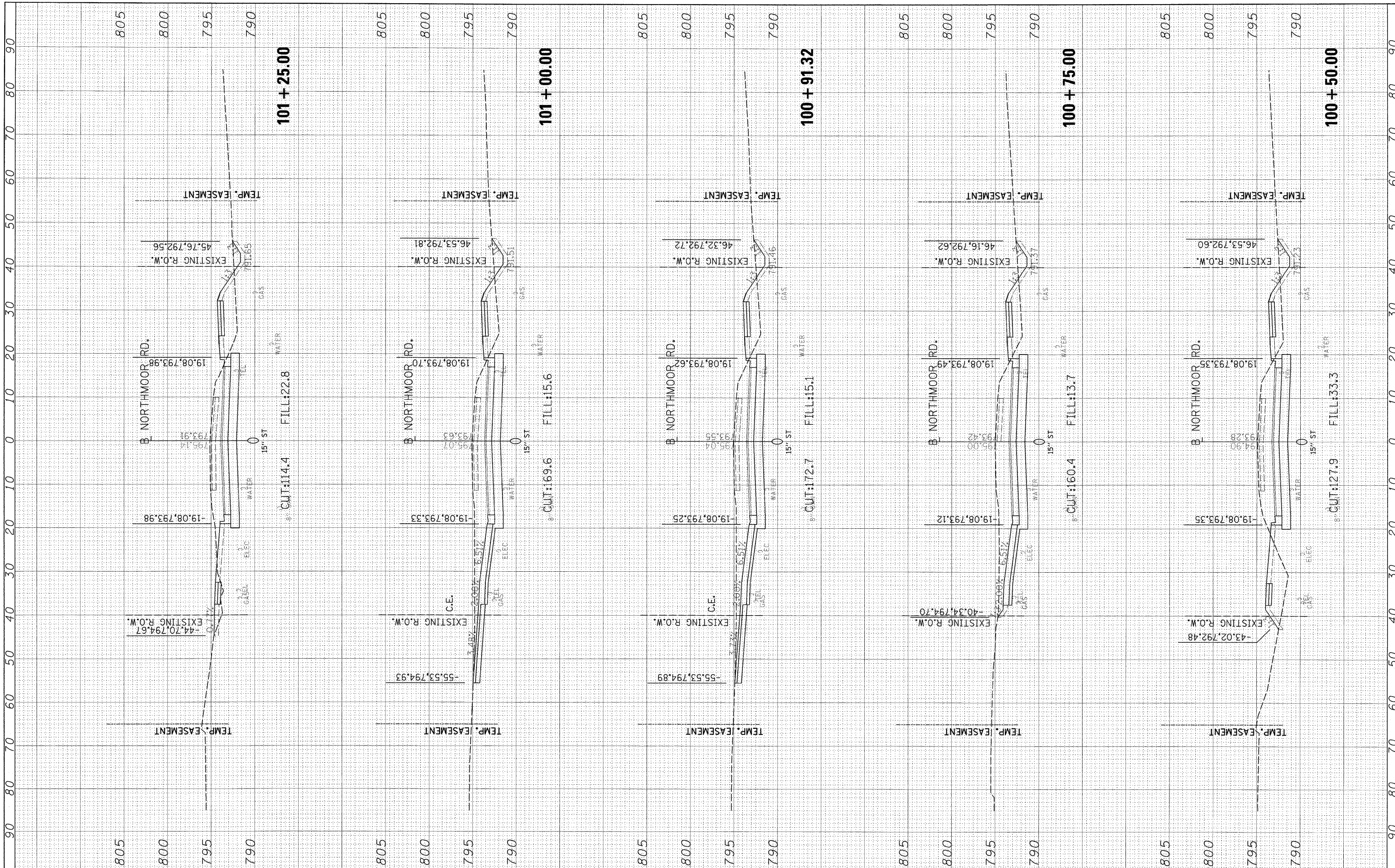
**NORTHMOOR ROAD
 CROSS SECTIONS**

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6647	08-00302-00-PV	PEORIA	85	70
	09-00047-01-PV			
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
			ARA-M-5093(139)	

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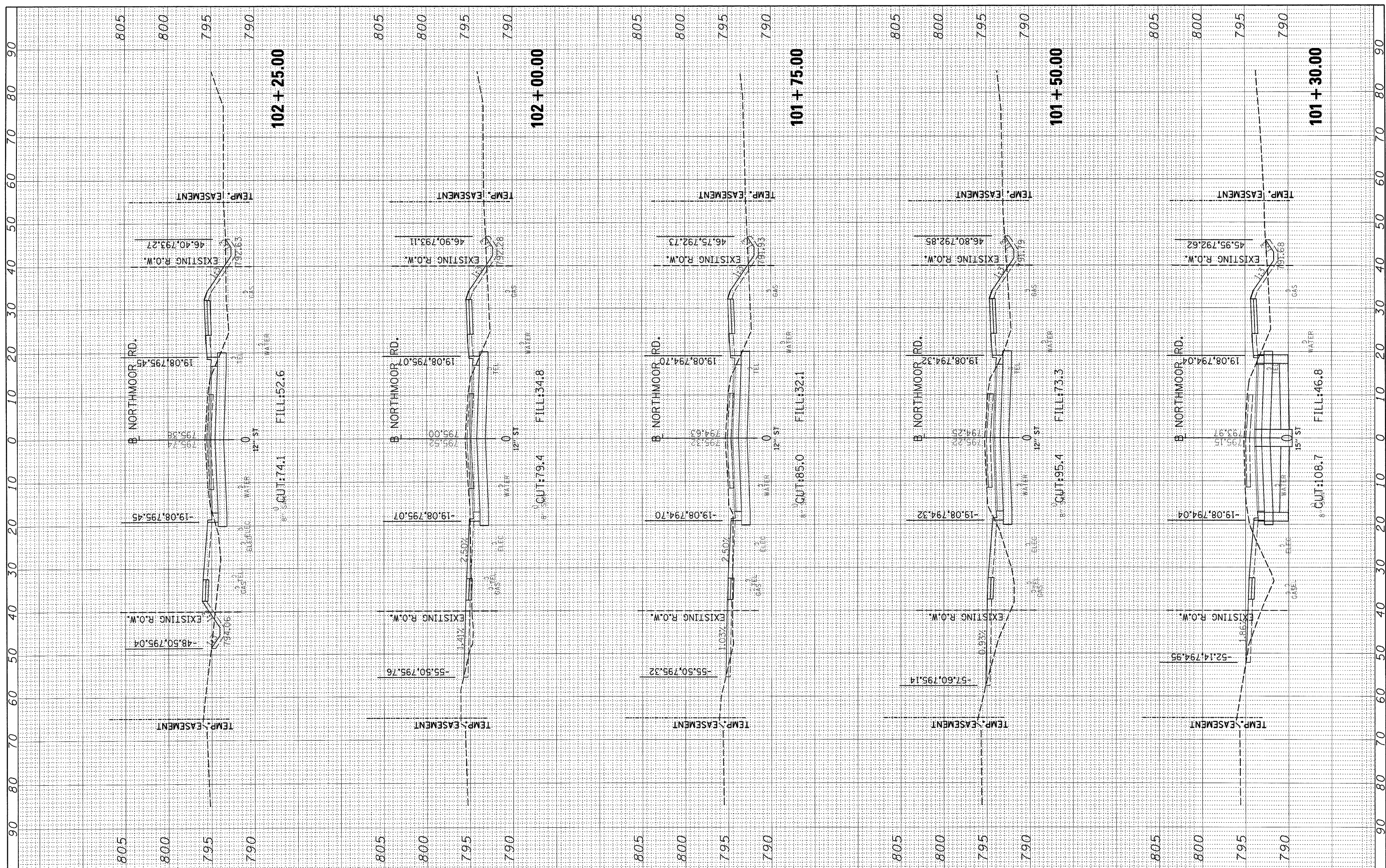
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTHMOOR ROAD
 CROSS SECTIONS**
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	71
	09-00047-01-PV			
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
ARA-M-5093(139)				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

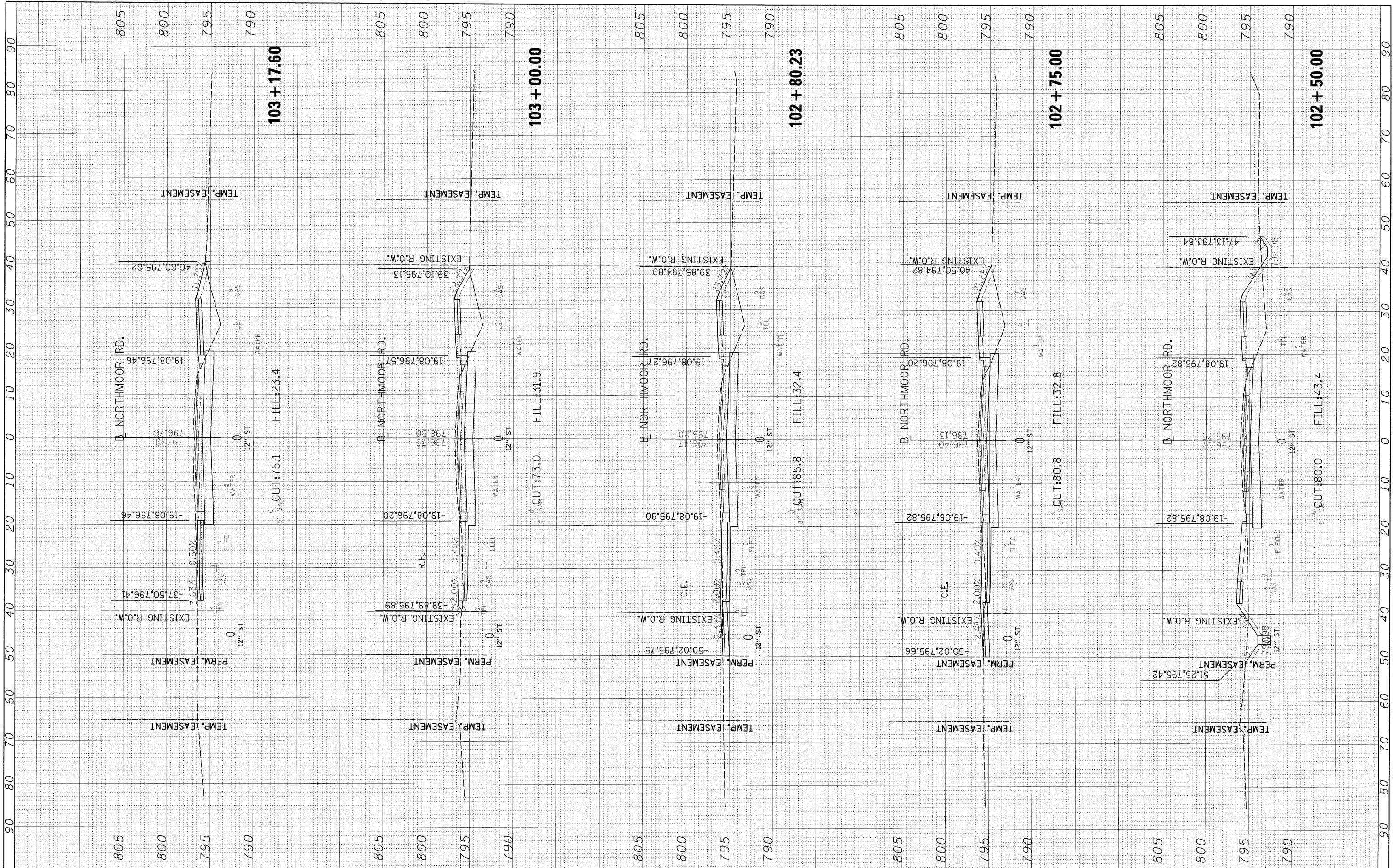
**NORTHMOOR ROAD
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 101+30.00 TO STA. 102+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	72
	09-00047-01-PV			
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
			ARA-M-5093(139)	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

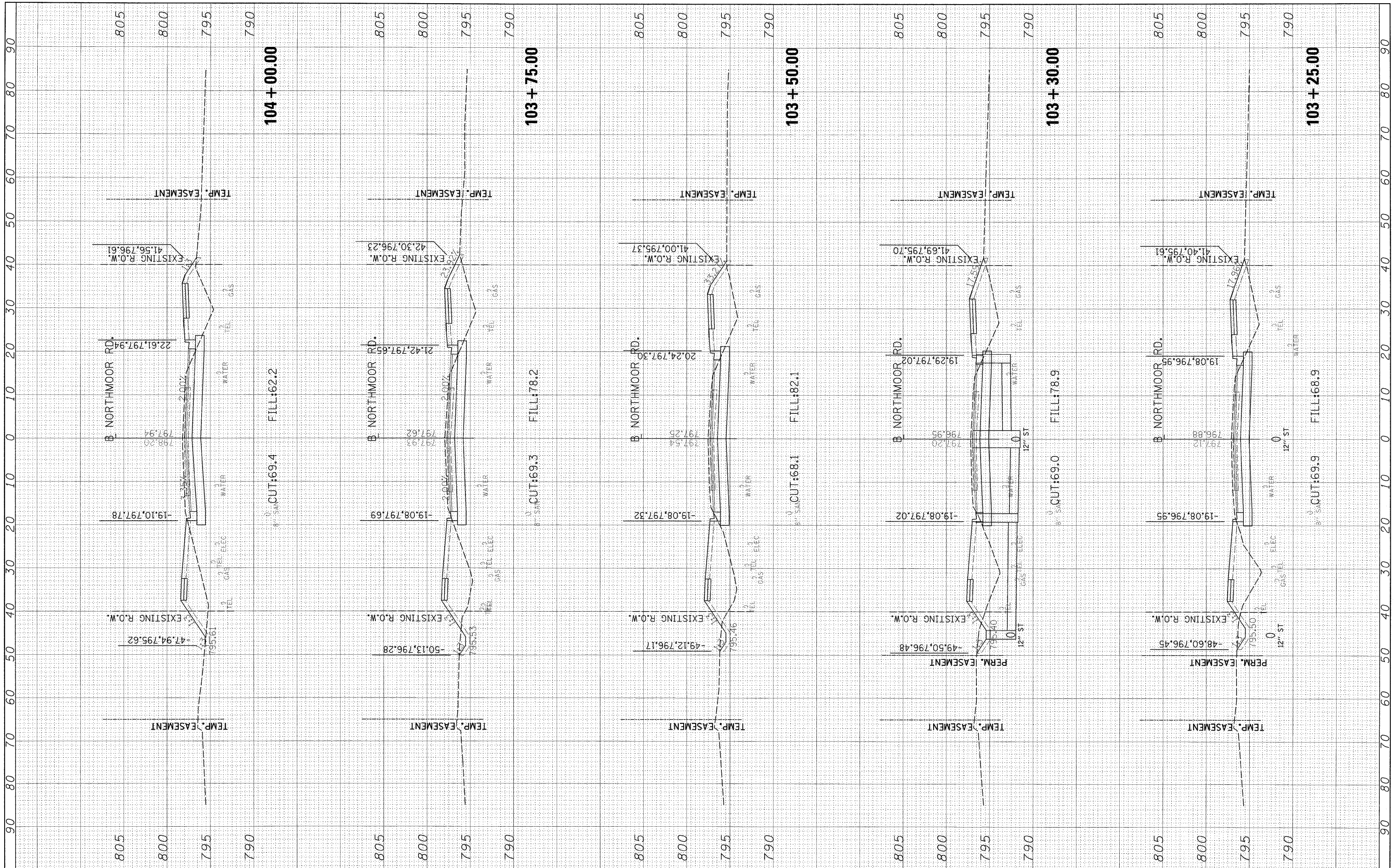
**NORTHMOOR ROAD
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 102+50.00 TO STA. 103+17.60

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	73
	09-00047-01-PV			
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
			ARA-M-5093(139)	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

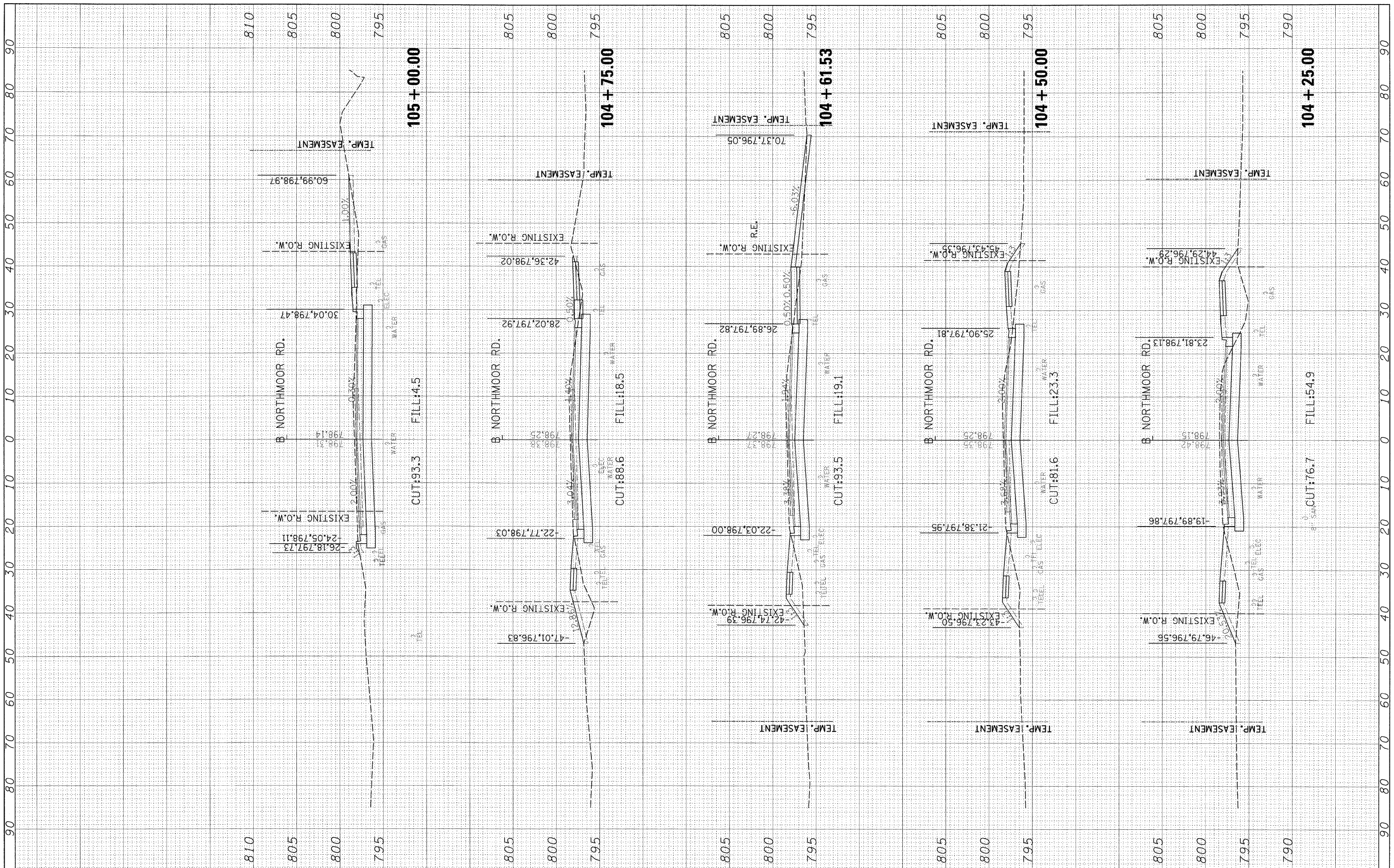
**NORTHMOOR ROAD
 CROSS SECTIONS**

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	74
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
			ARA-M-5093(139)	

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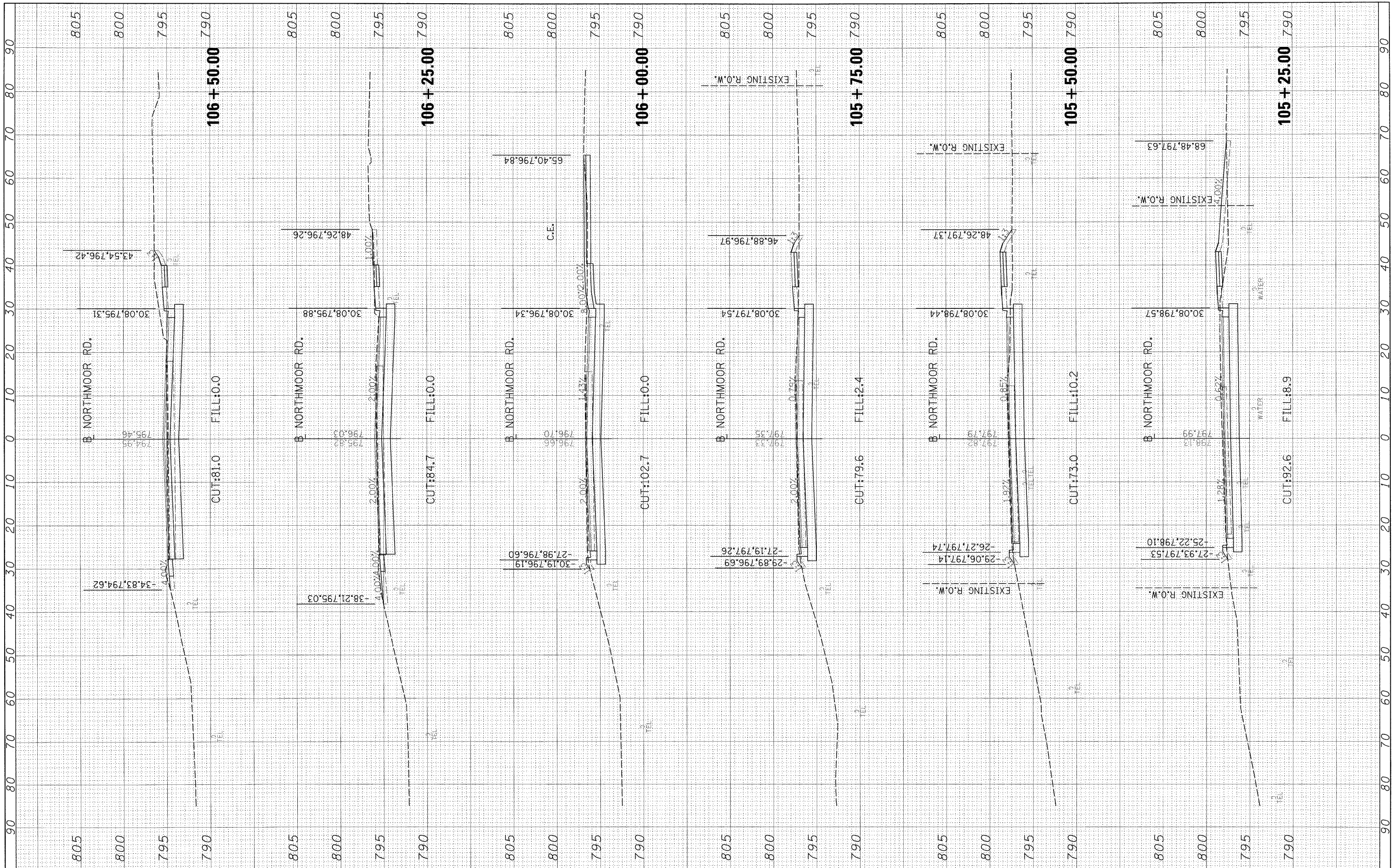
**NORTHMOOR ROAD
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 104+25.00 TO STA. 105+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	75
	09-00047-01-PV		CONTRACT NO. 89526	
ILLINOIS FED. AID PROJECT ARA-M-5093(139)				

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

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



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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 11/05/2009

DESIGNED - MAD	REVISOR -
DRAWN - MAD	REVISOR -
CHECKED - MPB	REVISOR -
DATE - 10/16/09	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

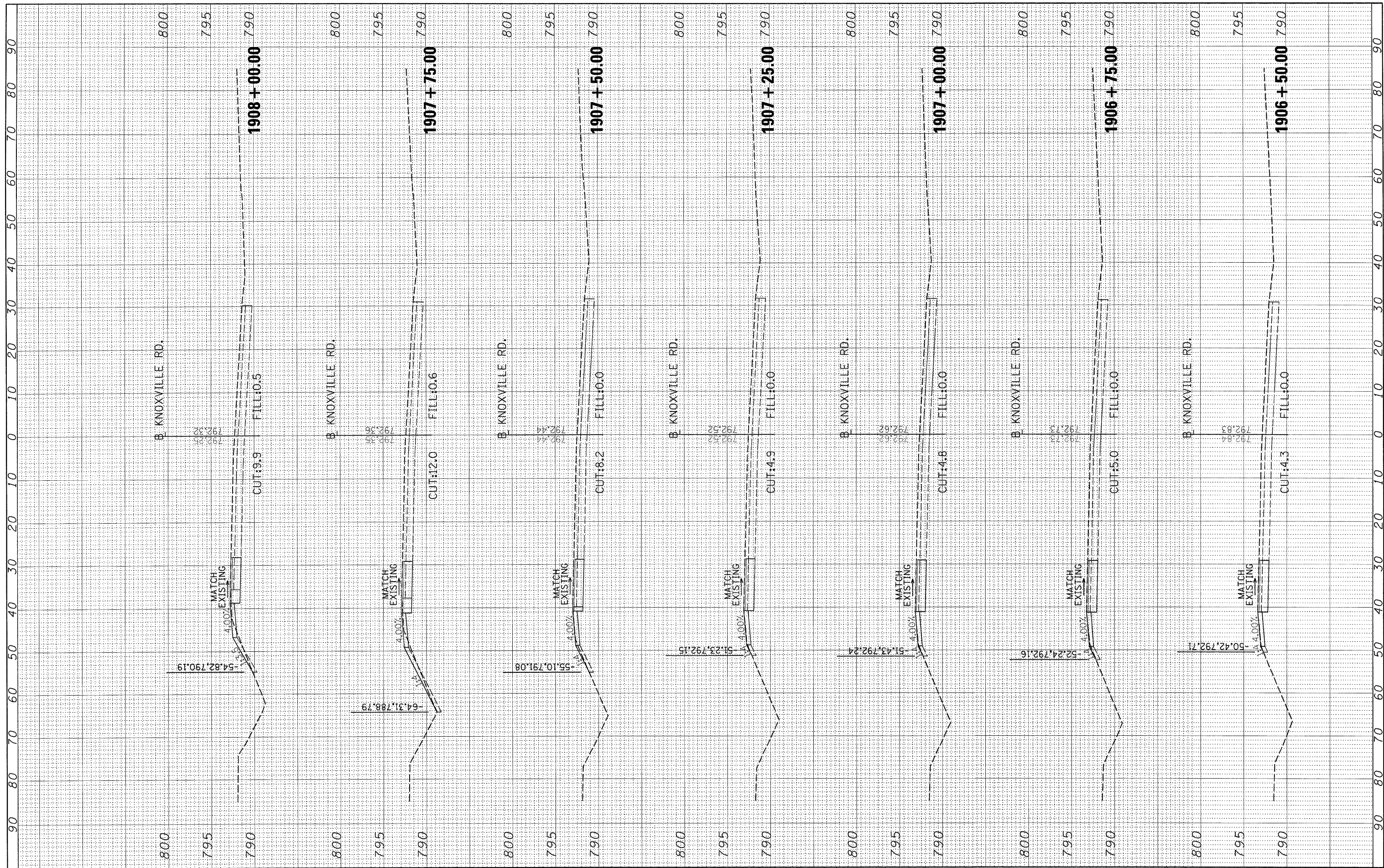
**NORTHMOOR ROAD
CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 105+25.00 TO STA. 106+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	76
	09-00047-01-PV			
ILLINOIS FED. AID PROJECT		CONTRACT NO. 89526		
		ARA-M-5093(139)		

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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USER NAME = Ander00846
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 PLOT DATE = 10/16/2009

DESIGNED - MAD
 DRAWN - MAD
 CHECKED - MPB
 DATE - 10/16/09

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

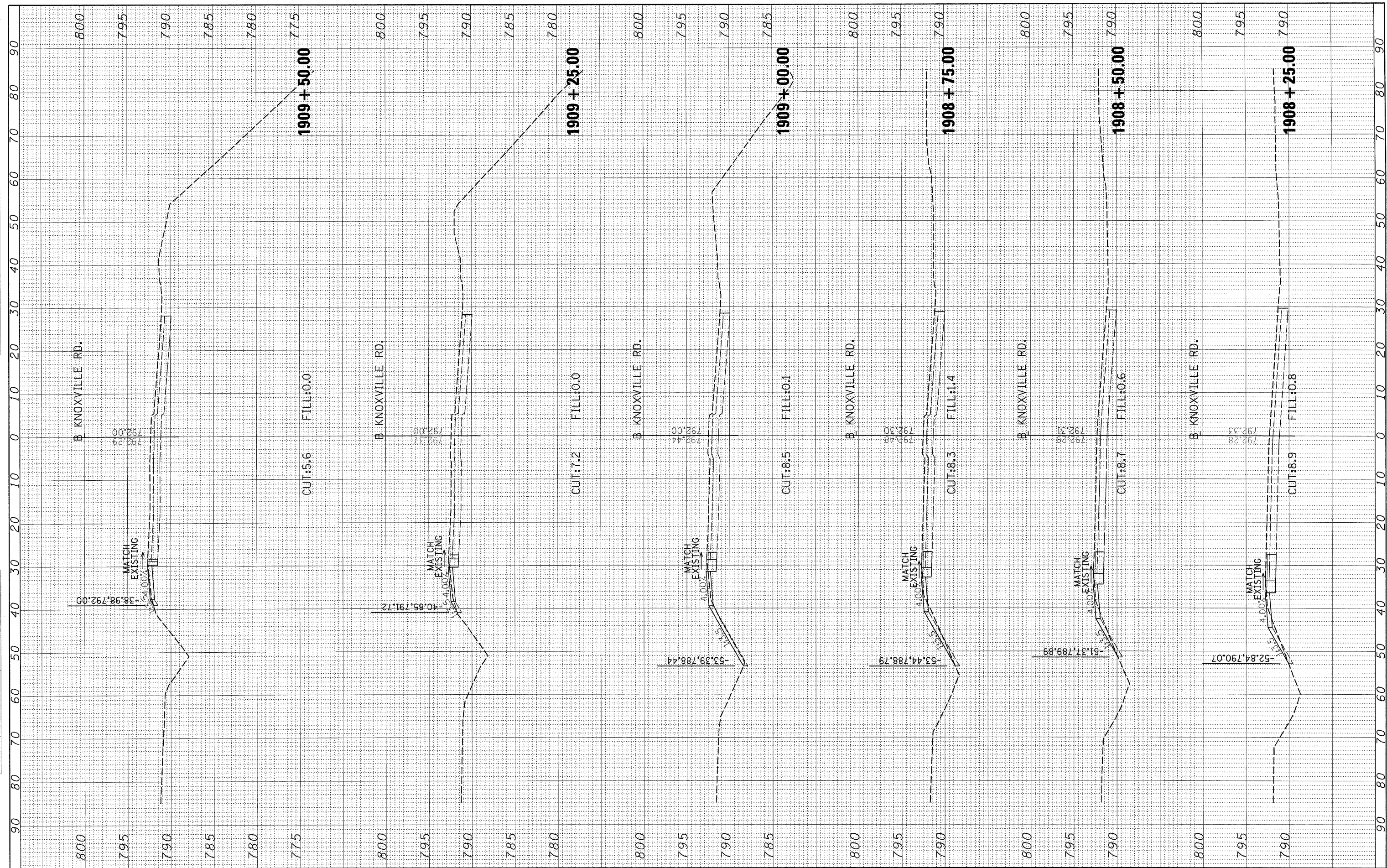
SCALE: SHEET NO. OF SHEETS STA. 1906+50.00 TO STA. 1908+00.00

**KNOXVILLE AVENUE
 CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	77
09-00047-01-PV			CONTRACT NO. 89526	
ILLINOIS FED. AID PROJECT ARA-M-5093(139)				

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

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



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 CHECKED - MPB
 DATE - 10/16/09

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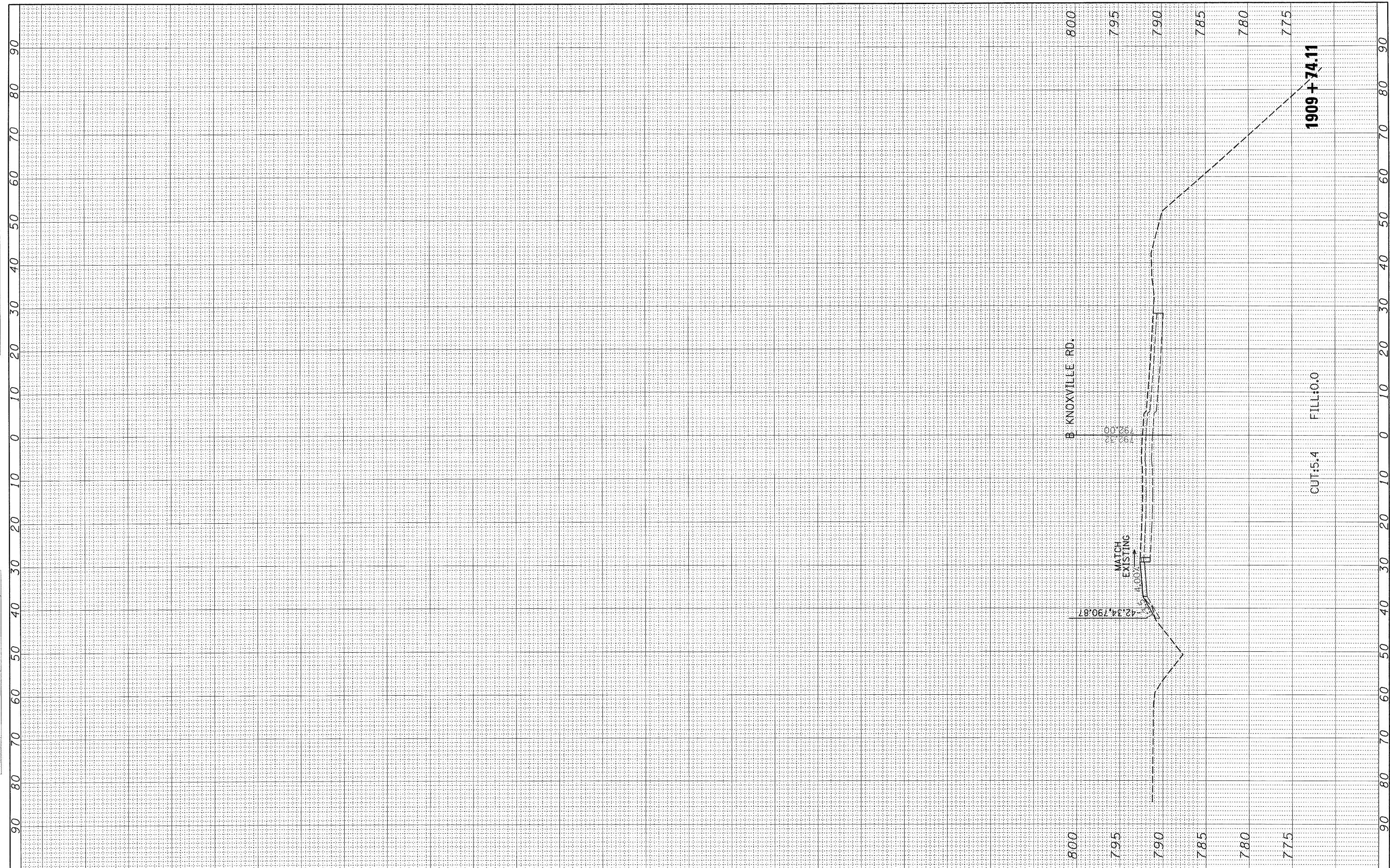
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**KNOXVILLE AVENUE
 CROSS SECTIONS**
 SCALE: SHEET NO. OF SHEETS STA. 1908+25.00 TO STA. 1909+50.00

FA R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	78
	09-00047-01-PV			
			CONTRACT NO. 89526	
			ILLINOIS FED. AID PROJECT ARA-M-50931339	

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

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



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 PLOT DATE = 10/16/2009

DESIGNED - MAD
 DRAWN - MAD
 CHECKED - MPB
 DATE - 10/16/09

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

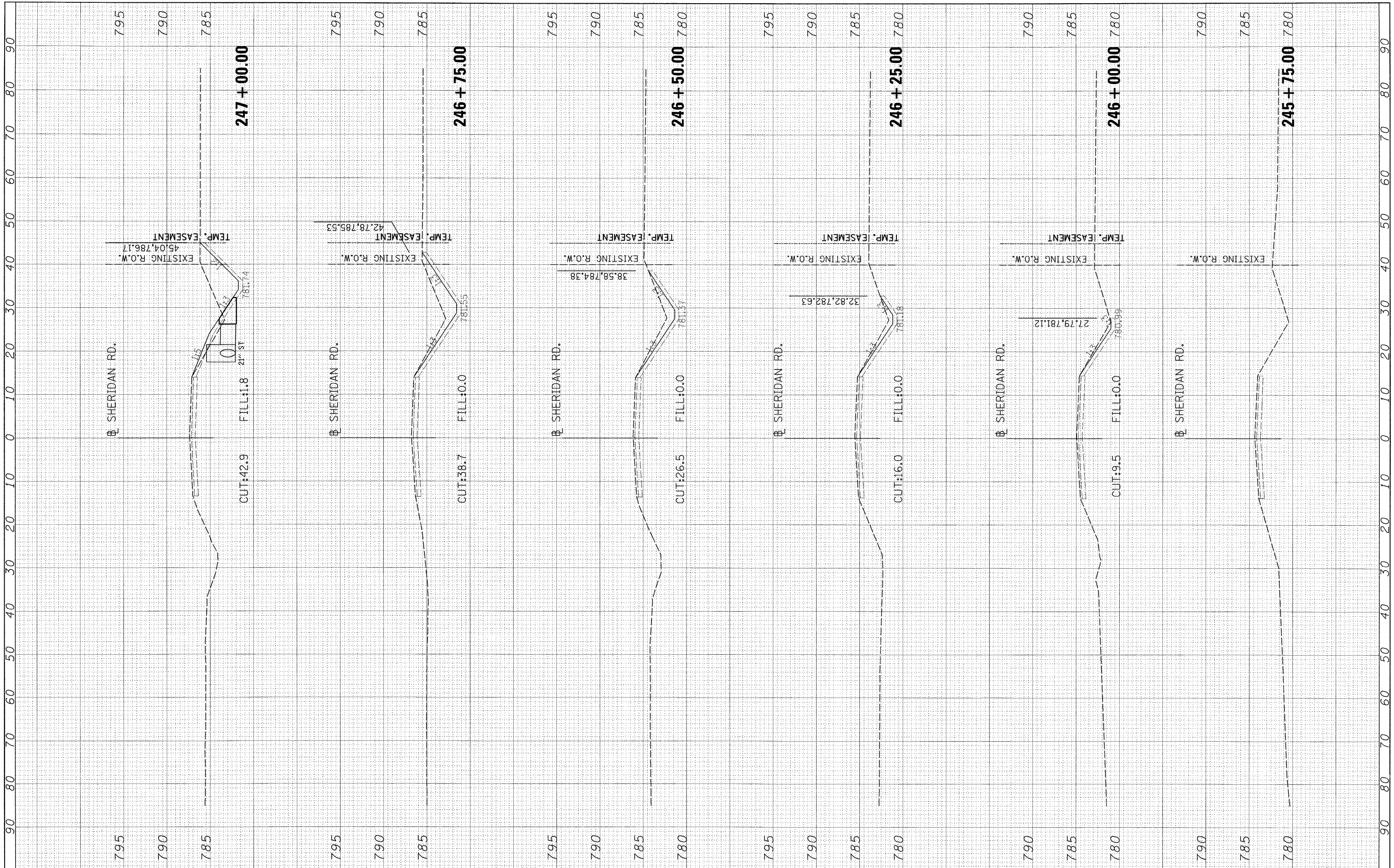
**KNOXVILLE AVENUE
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 1909+74.11 TO STA. 1909+74.11

F.A. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 79
09-0047-01-PV			CONTRACT NO. 89526	
ILLINOIS FED. AID PROJECT ARA-M-5093(139)				

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

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

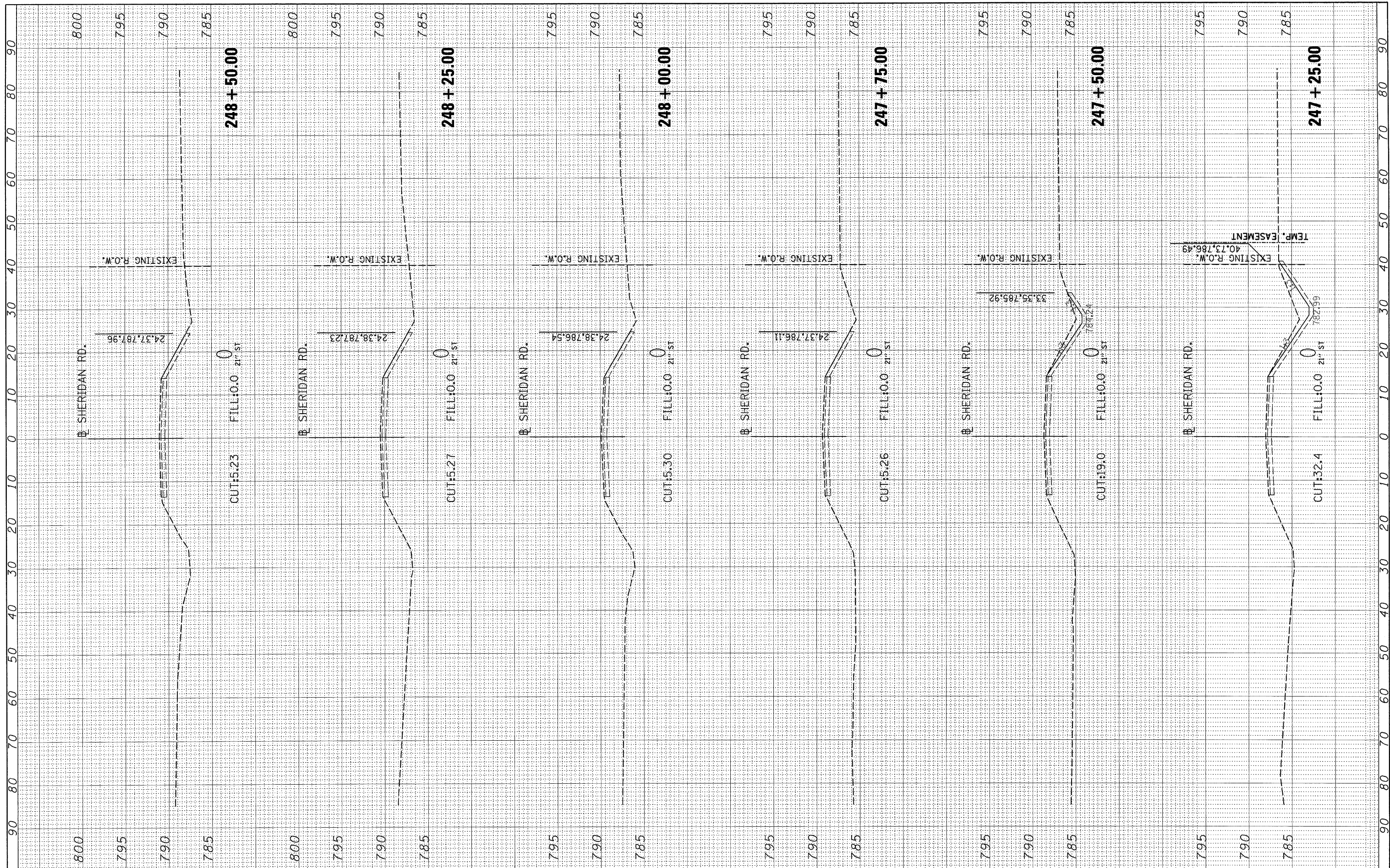
**SHERIDAN ROAD
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 245+75.00 TO STA. 247+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	80
	09-00047-01-PV			
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526	
			ARA-M-5093(139)	

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

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



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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 10/16/2009

DESIGNED - MAD
 DRAWN - MAD
 CHECKED - MPB
 DATE - 10/16/09

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

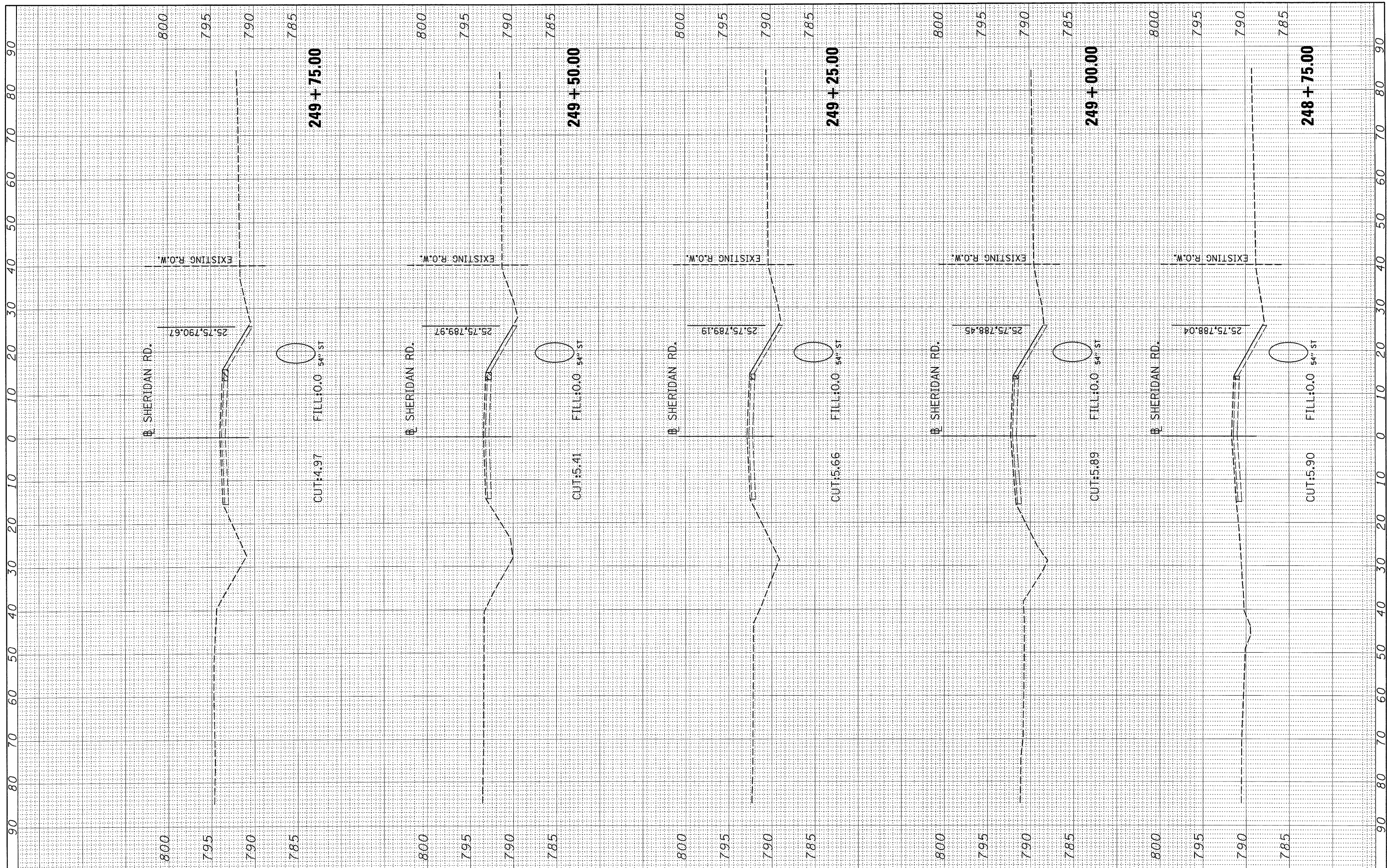
**SHERIDAN ROAD
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 247+25.00 TO STA. 248+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	08-00302-00-PV	PEORIA	85	81
	09-00047-01-PV		CONTRACT NO. 89526	
ILLINOIS FED. AID PROJECT ARA-M-50931(39)				

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

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



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 PLOT DATE = 10/16/2009

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

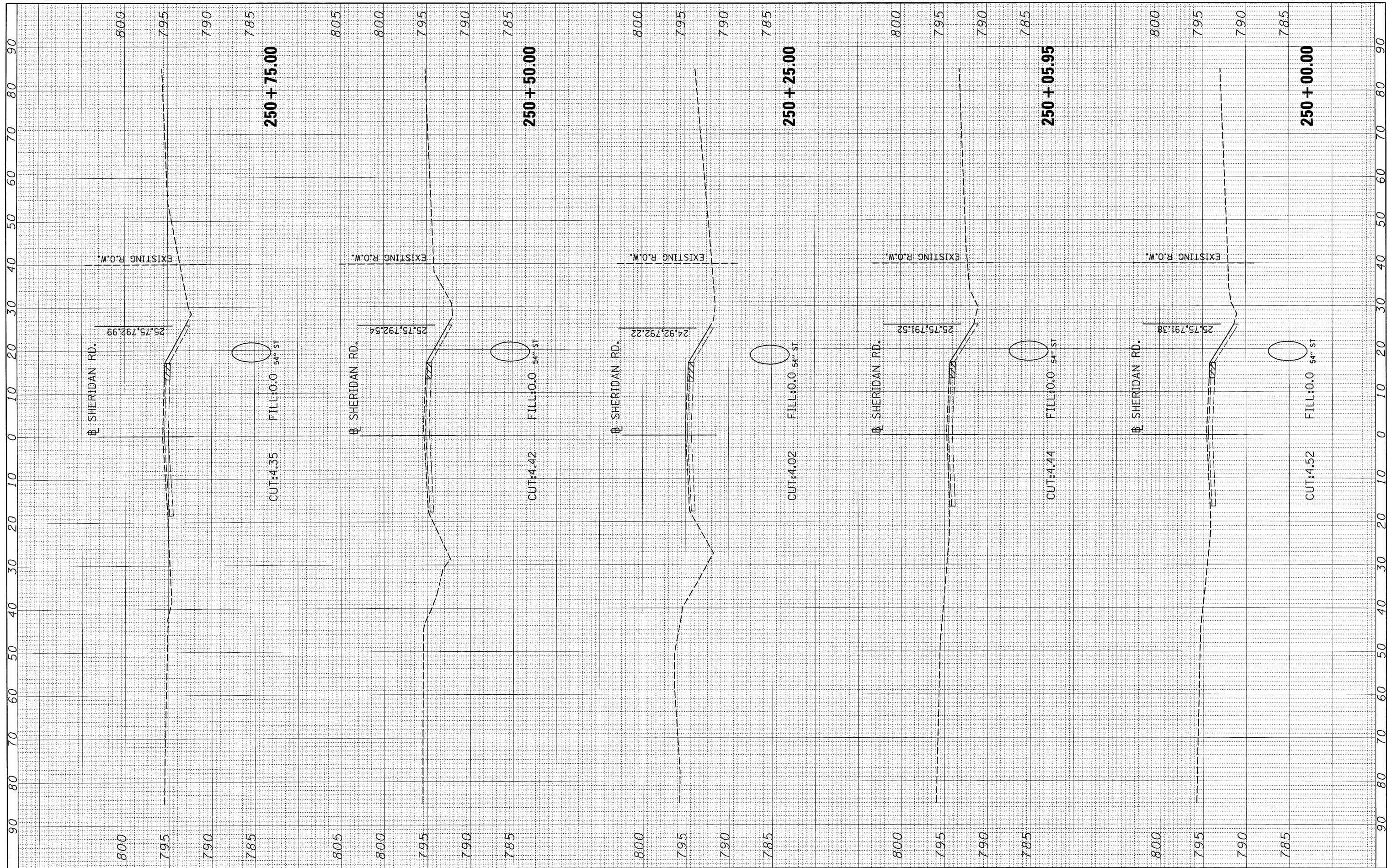
**SHERIDAN ROAD
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 248+75.00 TO STA. 249+75.00

F.A. RTE. 6647	SECTION 08-00302-00-PV 09-00047-01-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 82
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89526 ARA-M-50931(39)	

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

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



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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 10/16/2009

DESIGNED - MAD
 DRAWN - MAD
 CHECKED - MPB
 DATE - 10/16/09

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

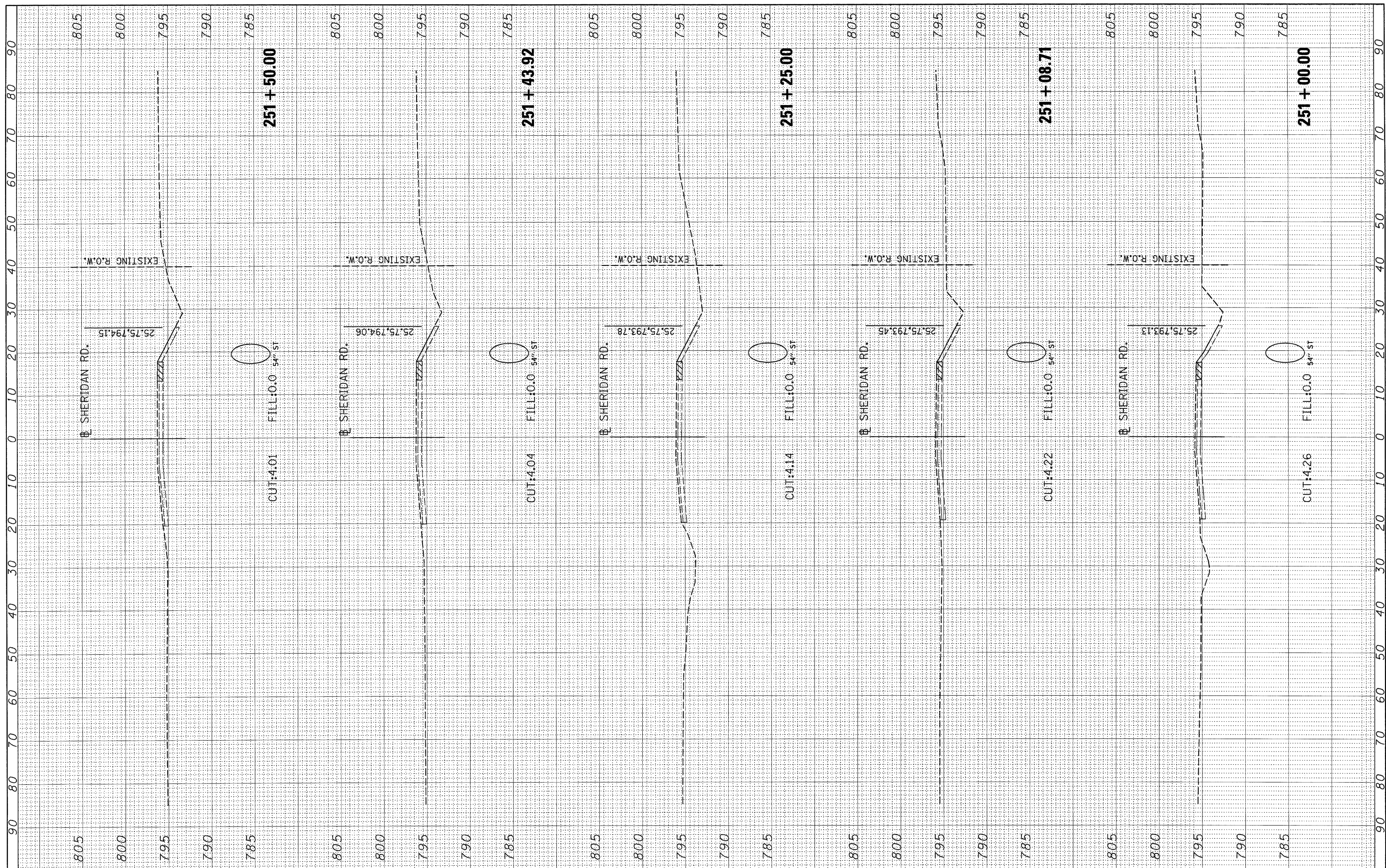
**SHERIDAN ROAD
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 250+00.00 TO STA. 250+75.00

F.A. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 83
09-00047-01-PV		CONTRACT NO. 89526		
ILLINOIS FED. AID PROJECT ARA-M-50930(39)				

FINAL SURVEY	SUPERSEDED	BY	DATE
NOTE BOOK	PLOTTED		
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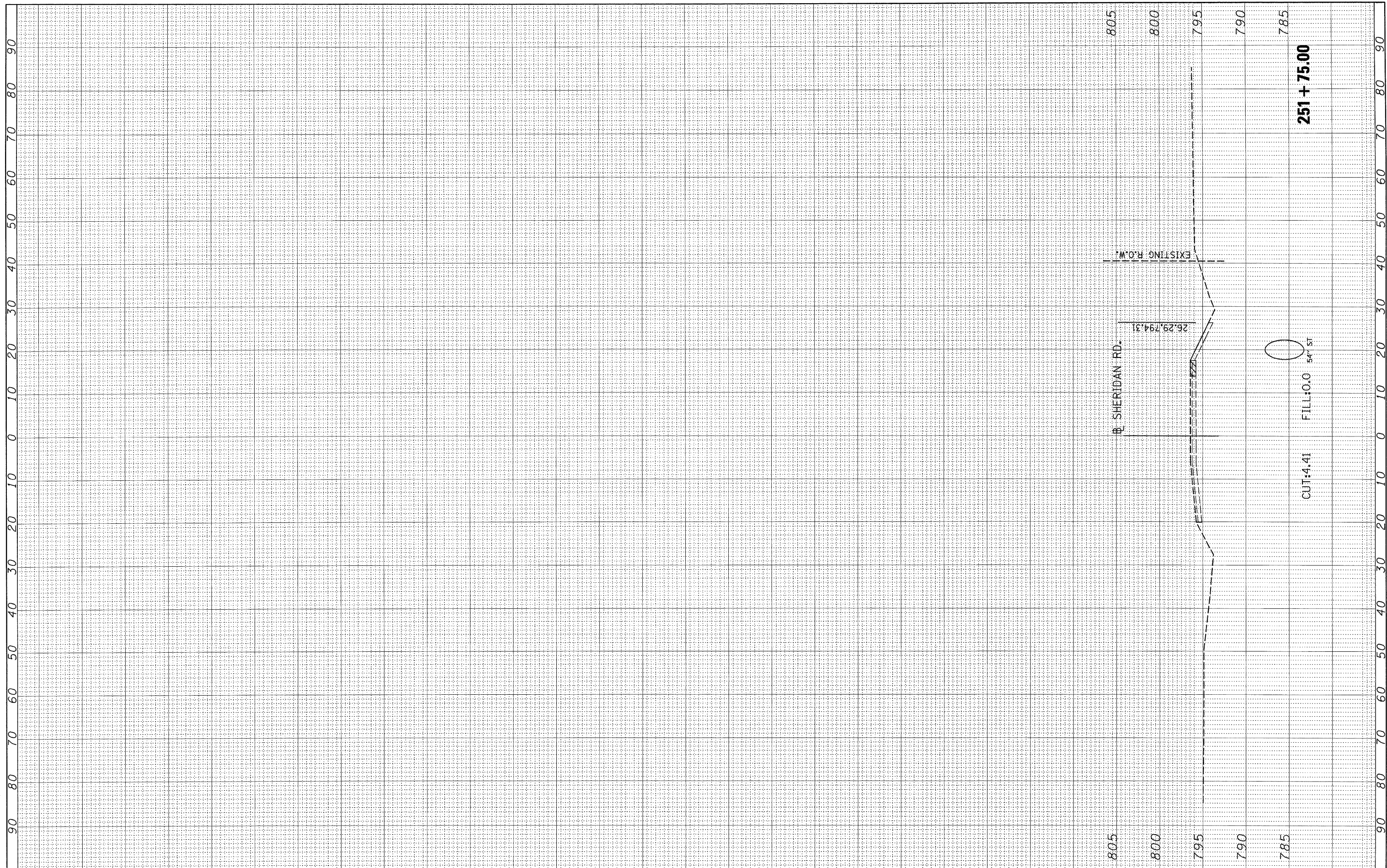
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	PLOT DATE = 10/16/09	CHECKED - MPB	REVISED -								ILLINOIS FED. AID PROJECT	ARA-M-5093139
		DATE - 10/16/09	REVISED -									

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



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 CHECKED - MPB
 DATE - 10/16/09

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

**SHERIDAN ROAD
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 251+75.00 TO STA. 251+75.00

F.A. RTE. 6647	SECTION 08-00302-00-PV	COUNTY PEORIA	TOTAL SHEETS 85	SHEET NO. 85
09-00047-01-PV			CONTRACT NO. 89526	
[ILLINOIS] FED. AID PROJECT ARA-M-50931(139)				