

F.A.U. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	1
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

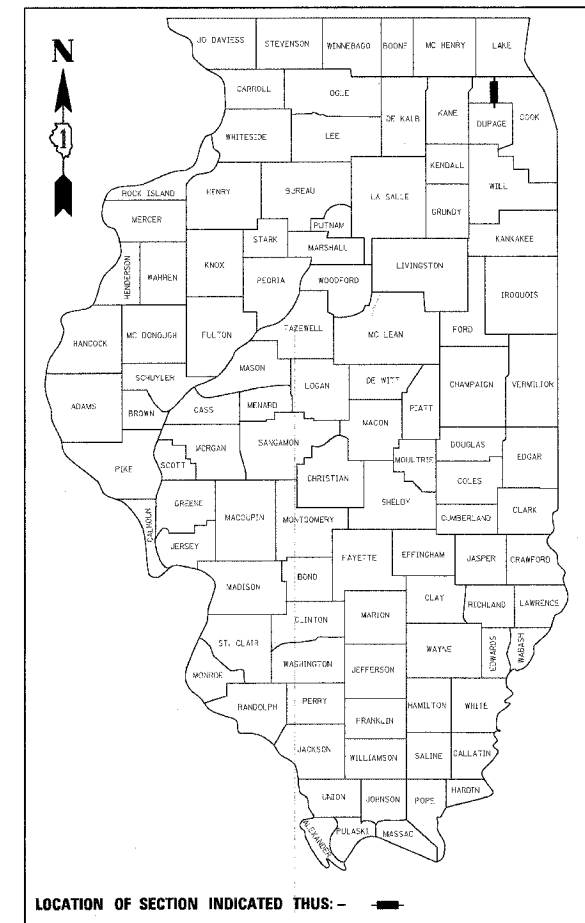
FAU 2585 / PLUM GROVE ROAD
RECONSTRUCTION AND TRAFFIC SIGNALS
EMERSON AVENUE TO ALDRIDGE AVENUE

Section No.: 97-00071-00-PV

Project No.: M-8003(210)

Job No.: C-91-273-02

CITY OF ROLLING MEADOWS
COOK COUNTY

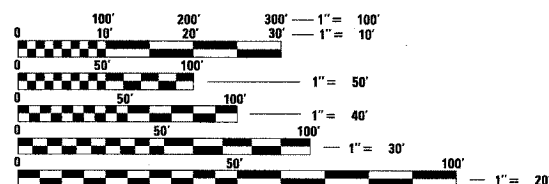


STANDARD NO.	DESCRIPTION
STD. 000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
STD. 280001-03	TEMPORARY EROSION CONTROL SYSTEMS
STD. 353001-03	PCC BASE COURSE WITH BITUMINOUS CONCRETE BINDER AND SURFACE COURSES
STD. 420001-06	PAVEMENT JOINTS
STD. 420101-03	7.2 m (24') JOINTED PCC PAVEMENT
STD. 420111-01	PCC PAVEMENT ROUNDOUTS
STD. 420701-01	PAVEMENT FABRIC
STD. 424001-04	CURB RAMPS FOR SIDEWALKS
STD. 442101-06	CLASS B PATCHES
STD. 542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
STD. 542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
STD. 601001-01	SUB-SURFACE DRAINS
STD. 602001	CATCH BASIN, TYPE A
STD. 602011	CATCH BASIN, TYPE C
STD. 602301-01	INLET, TYPE A
STD. 602401-01	MANHOLE, TYPE A
STD. 602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
STD. 602701-01	MANHOLE STEPS
STD. 604001-02	FRAME AND LIDS TYPE 1
STD. 604036-01	GRATE, TYPE 8
STD. 604091-01	FRAME AND GRATE TYPE 24
STD. 606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
STD. 606006-01	OUTLETS FOR CONC. CURB AND GUTTER TYPE B-15.60 (B-6.24)
STD. 606301-03	PC CONCRETE ISLAND AND MEDIANS
STD. 606306-02	CORRUGATED PC CONCRETE MEDIANS
STD. 701006-02	OFF-RD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
STD. 701011-01	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
STD. 701301-02	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
STD. 701311-02	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
STD. 701501-03	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
STD. 701606-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
STD. 701701-04	URBAN LANE CLOSURE FOR MULTILANE INTERSECTION
STD. 701801-03	LANE CLOSURE MULTI LANE 1 WAY OR 2 WAY CROSSWALK OR SIDEWALK CLOSURE
STD. 702001-06	TRAFFIC CONTROL DEVICES
STD. 720001	SIGN PANEL MOUNTING DETAILS
STD. 720006-01	SIGN PANEL ERECTION DETAILS
STD. 728001	TELESCOPING STEEL SIGN SUPPORT
STD. 814001-01	HANDHOLES
STD. 814006-01	DOUBLE HANDHOLES
STD. 857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
STD. 877001-02	STEEL MAST ARM ASSEMBLY AND POLE
STD. 878001-05	CONCRETE FOUNDATION DETAILS
STD. 880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
STD. 880006	TRAFFIC SIGNAL MOUNTING DETAILS
STD. 886001	DETECTOR LOOP INSTALLATIONS
STD. 886006	TYPICAL LAYOUTS FOR DETECTION LOOPS
STD. B.L.R. 14-9	PORTLAND CEMENT CONCRETE PAVEMENT (NONREINFORCED)
STD. B.L.R. 17-3	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
STD. B.L.R. 18-4	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE
BD 32	BUTT JOINT AND BITUMINOUS TAPER DETAILS
TC 11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC 13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018 (847) 823-0500

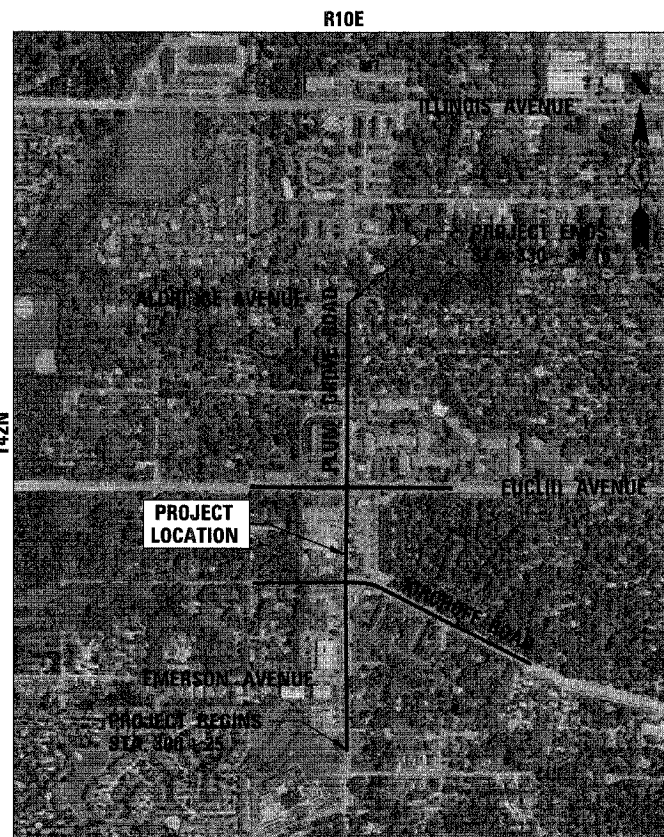
FEDERAL AID DESIGN ENGINEER: KEVIN STALLWORTH
201 W. CENTER COURT
SCHAMBURG, ILLINOIS 60196-1096
(847) 705-4169

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.



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

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



LOCATION MAP

SCALE: 1" = 2000'

GROSS LENGTH OF PROJECT = 2800 LINEAL FEET (0.53 MILES)
NET LENGTH OF PROJECT = 2800 LINEAL FEET (0.53 MILES)

DESIGN DESIGNATION - MINOR ARTERIAL
TRAFFIC DATA:
EXISTING ADT = 13,000
PROPOSED ADT = 28,200
POSTED SPEED = 35 MPH
DESIGN SPEED = 40 MPH

CIVIL

MARTIN C. WORMAN
062-051360
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
DATE: 1-5-2007
ILLINOIS REGISTRATION No. 062-051360
EXPIRATION DATE: 11/30/2007

TRAFFIC SIGNALS

GEORGE M. ZIEGLER
062-045853
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
DATE: 1-5-2007
ILLINOIS REGISTRATION No. 062-045853
EXPIRATION DATE: 11/30/2007

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED: January 5, 2007
Fred Vogt, Fred Vogt
DIR. OF PUBLIC WORKS, CITY OF ROLLING MEADOWS

PASSED: February 15, 2007
Christopher Holt
DISTRICT 1 LOCAL ROADS ENGINEER

RELEASING FOR BID BASED ON LIMITED REVIEW: February 16, 2007
Diane O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	QUANTITY				QUANTITY		QUANTITY		TOTAL QUANTITY
			1000	Y007	Y031	Y031-IF	1000	Y007	1000	Y007	
72000100	SIGN PANEL - TYPE 1	SQ FT	46	0	111	0	21	0	13	0	191
72000200	SIGN PANEL - TYPE 2	SQ FT	0	0	0	0	0	0	9	0	9
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	101	0	0	0	39	0	38	0	178
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SC FT	473	0	0	0	218	0	182	0	873
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FCOT	5393	0	0	0	1270	0	633	0	7296
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FCOT	3130	0	0	0	1157	0	1309	0	5596
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FCOT	929	0	0	0	355	0	0	0	1284
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FCOT	274	0	0	0	88	0	89	0	451
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FCOT	0	0	0	0	0	0	156	0	156
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	257	0	0	0	56	0	34	0	347
78300100	PAVEMENT MARKING REMOVAL	SQ FT	728	0	0	0	146	0	100	0	974
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	100	0	0	0	0	0	100	0	200
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	0	0	1567	0	0	0	0	0	1567
* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	0	0	72	0	0	0	0	0	72
* 81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	0	0	144	0	0	0	0	0	144
* 81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	0	0	20	0	0	0	0	0	20
* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	0	0	1142	0	0	0	0	0	1142
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	0	0	828	0	0	0	0	0	828
* 81400100	HANDHOLE	EACH	0	0	13	0	0	0	0	0	13
* 81400200	HEAVY-DUTY HANDHOLE	EACH	0	0	8	0	0	0	0	0	8
* 81400300	DOUBLE HANDHOLE	EACH	0	0	4	0	0	0	0	0	4
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	0	0	1991	0	0	0	0	0	1991
* 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	0	0	1	0	0	0	0	0	1
* 85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	0	0	1	0	0	0	0	0	1
* 86000105	MASTER CONTROLLER (SPECIAL)	EACH	0	0	1	0	0	0	0	0	1
* 86400100	TRANSCIVER - FIBER OPTIC	EACH	0	0	2	0	0	0	0	0	2
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	0	0	2345	0	0	0	0	0	2345
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	0	0	4807	0	0	0	0	0	4807
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	0	0	4854	0	0	0	0	0	4854
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	0	0	3398	0	0	0	0	0	3398
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	0	0	9138	0	0	0	0	0	9138
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	0	0	300	0	0	0	0	0	300
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	0	0	1	0	0	0	0	0	1
* 87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	0	0	1	0	0	0	0	0	1
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	0	0	3	0	0	0	0	0	3
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	0	0	1	0	0	0	0	0	1
* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	0	0	1	0	0	0	0	0	1
* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	0	0	1	0	0	0	0	0	1
* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	0	0	1	0	0	0	0	0	1
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	0	0	3	0	0	0	0	0	3
* 87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	0	0	1	0	0	0	0	0	1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	0	0	20	0	0	0	0	0	20
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	0	0	8	0	0	0	0	0	8
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	0	0	15	0	0	0	0	0	15
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	0	0	105	0	0	0	0	0	105
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	0	0	13	0	0	0	0	0	13
* 88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	0	0	2	0	0	0	0	0	2
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	0	0	5	0	0	0	0	0	5
* 88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	0	0	2	0	0	0	0	0	2
* 88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	0	0	1	0	0	0	0	0	1
* 88030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4, SECTION BRACKET MOUNTED	EACH	0	0	1	0	0	0	0	0	1
* 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5, SECTION BRACKET MOUNTED	EACH	0	0	2	0	0	0	0	0	2
* 88030250	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5, SECTION BRACKET MOUNTED	EACH	0	0	1	0	0	0	0	0	1
* 88030330	SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5, SECTION BRACKET MOUNTED	EACH	0	0	1	0	0	0	0	0	1
* 88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	0	0	10	0	0	0	0	0	10
* 88102740	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	0	0	2	0	0	0	0	0	2
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	0	0	20	0	0	0	0	0	20
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	0	0	31	0	0	0	0	0	31
* 88600100	DETECTOR LOOP, TYPE I	FOOT	0	0	1939	0	0	0	0	0	1939
* 88700200	LIGHT DETECTOR	EACH	0	0	8	0	0	0	0	0	8
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	0	0	2	0	0	0	0	0	2
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	0	0	12	0	0	0	0	0	12
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	0	0	2	0	0	0	0	0	2
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0	0	2	0	0	0	0	0	2
* 89502380	REMOVE EXISTING HANDHOLE	EACH	0	0	23	0	0	0	0	0	23
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	0	0	18	0	0	0	0	0	18
* X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	0	0	722	0	0	0	0	0	722
X0323092	HEADWALL REMOVAL	EACH	0	3	0	0	0	0	0	0	3
X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	52	0	0	0	6	0	21	0	79
* X0324007	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1	0	0	0	0	0	0	0	1
* X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	0	0	2	0	0	0	0	0	2
* X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	0	0	734	0	0	0	0	0	734
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	0	0	1324	0	0	0	0	0	1324
* X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	0	0	2129	0	0	0	0	0	2129
XX002258	STRUCTURES TO BE ADJUSTED	EACH	11	0	0	0	11	0	7	0	29
XX002260	STRUCTURES TO BE REMOVED	EACH	34	0	0	0	1	0	2	0	37
XX003535	AGGREGATE BASE COURSE, TYPE B, 2"	SC YD	1922	0	0	0	504	0	281	0	2707
XX006910	TREE PROTECTION, SPECIAL	EACH	3	0	0	0	4	0	1	0	8
XX006913	REMOVE EXISTING FIRE HYDRANTS	EACH	4	0	0	0	0	0	0	0	4
X0201000	AGGREGATE FOR TEMPORARY ACCESS	TON	20	0	0	0	5	0	5	0	30
Z0001050	AGGREGATE SUBGRADE 12"	SC YD	24685	0	0	0	5031	0	1414	0	31130
Z0011400	COLD MILLING EXISTING MEDIAN	SC YD	0	0	0	0	435	0	0	0	435
Z0013798	CONSTRUCTION LAYOUT	L SLUM	1	0	0	0	0	0	0	0	1
Δ Z0076600	TRAINEES	HOUR	500	0	0	0	0	0	0	0	500
* 60500210	FILLING CATCH BASINS(SPECIAL)	EACH	0	0	0	0	0	0	1	0	1
* 60500310	FILLING INLETS(SPECIAL)	EACH	0	0	0	0	0	0	4	0	4

* SPECIALTY ITEMS
Δ Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLUM GROVE ROAD
SUMMARY OF QUANTITIES

SCALE: NTS
DATE: 1/24/2007
DRAWN BY: PMM
CHECKED BY: MCW

PLAN
DATE: _____
BY: _____
CHECKED: _____
DATE: _____
REVISIONS: _____
NO. _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE
DATE: _____
BY: _____
CHECKED: _____
DATE: _____
REVISIONS: _____
NO. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EARTH WORK SCHEDULES

**EARTH WORK TABLE
PLUM GROVE ROAD**

STA. TO	EARTH EXC. CU YD	PGE CU YD	UNSUIT. CU YD	EXC. ** SHRINKAGE CU YD	EMBANKM. CU YD	BALANCE * CU YD
300+25 300+50	14.1	0	0	11.2	4.9	6.3
300+50 301+00	80.7	0	0	64.6	5.7	58.8
301+00 301+50	101.0	0	0	80.8	20.2	60.7
301+50 302+00	66.0	0	0	52.8	21.0	31.8
302+00 302+08	11.8	0	0	9.4	0.1	9.3
302+08 302+50	59.4	0	0	47.5	21.3	26.2
302+50 303+00	53.8	0	0	43.1	25.8	17.2
303+00 303+14	17.9	0	0	14.3	0.2	14.1
303+14 303+42	34.1	0	0	27.3	0.0	27.3
303+42 303+50	8.2	0	0	6.6	0.4	6.2
303+50 304+00	41.8	0	0	33.4	60.1	-26.7
304+00 304+50	106.5	0	0	85.2	80.9	4.3
304+50 304+55	16.3	0	0	13.1	4.1	8.9
304+55 305+00	133.8	0	0	107.0	25.0	82.1
305+00 305+07	14.8	0	0	11.8	1.0	10.8
305+07 305+50	113.8	0	0	91.1	5.0	86.1
305+50 306+00	142.7	0	0	114.1	7.4	106.8
306+00 306+50	146.2	0	0	117.0	9.1	107.9
306+50 307+00	161.7	0	0	129.4	10.0	119.4
307+00 307+50	173.7	0	0	139.0	9.6	129.4
307+50 308+00	194.2	0	0	155.4	6.1	149.3
308+00 308+20	94.9	0	0	75.9	4.8	71.1
308+20 308+50	134.6	0	0	107.7	10.4	97.2
308+50 308+77	108.2	0	0	86.6	5.2	81.4
308+77 309+00	97.7	0	0	78.2	2.2	75.9
309+00 309+15	71.4	0	0	57.1	1.6	55.5
309+15 309+50	157.8	0	0	126.2	3.8	122.5
309+50 310+00	201.0	0	0	160.8	5.4	155.4
310+00 310+19	68.9	0	0	55.1	2.0	53.2
310+19 310+50	93.5	0	0	74.8	4.2	70.5
310+50 311+00	183.0	0	0	146.4	4.4	142.0
311+00 311+15	59.0	0	0	47.2	0.0	47.2
311+15 311+27	30.4	0	0	24.3	0.0	24.3
311+27 311+50	73.0	0	0	58.4	0.0	58.4
311+50 312+00	156.0	0	0	124.8	3.6	121.2
312+00 312+24	32.9	0	0	26.3	2.5	23.9
312+24 312+50	41.8	0	0	33.5	2.2	31.2
312+50 312+76	46.4	0	0	37.1	2.3	34.8
312+76 313+00	46.0	0	0	36.8	2.1	34.7
313+00 313+50	94.5	0	0	75.6	4.3	71.3
313+50 314+00	91.1	0	0	72.9	4.3	68.6
314+00 314+31	70.5	0	0	56.4	2.6	53.8
314+31 314+50	48.2	0	0	38.6	1.6	37.0
314+50 315+00	153.0	0	0	122.4	5.4	117.0
315+00 315+50	178.1	0	0	142.5	4.4	138.1
315+50 315+78	105.9	0	0	84.7	1.4	83.3
315+78 316+00	88.4	0	0	70.7	1.6	69.1
316+00 316+50	192.8	0	0	154.2	5.4	148.8
316+50 317+00	227.0	0	0	181.6	5.4	176.2
317+00 317+50	129.5	0	0	103.6	2.7	100.9
317+50 318+00						
318+00 318+50						
318+50 318+82	86.2	0	0	69.0	2.8	66.2
318+82 319+00	50.5	0	0	40.4	1.3	39.2
319+00 319+25	81.4	0	0	65.1	1.5	63.5
319+25 319+50	80.1	0	0	64.1	1.8	62.3
319+50 320+00	138.6	0	0	110.9	5.4	105.5
320+00 320+50	140.5	0	0	112.4	8.1	104.3
320+50 321+00	139.5	0	0	111.6	9.0	102.7
321+00 321+50	151.2	0	0	121.0	8.9	112.0
321+50 321+85	108.7	0	0	87.0	4.4	82.5
321+85 322+00	48.6	0	0	38.9	1.0	37.9
322+00 322+10	32.8	0	0	26.2	0.7	25.5
322+10 322+50	124.9	0	0	99.9	5.0	95.0
322+50 322+86	111.4	0	0	89.1	5.8	83.3
322+86 323+00	38.7	0	0	31.0	2.0	29.0
323+00 323+50	131.6	0	0	105.3	10.6	94.7
323+50 324+00	130.3	0	0	104.2	14.0	90.3
324+00 324+35	116.1	0	0	92.9	10.4	82.5
324+35 324+50	48.6	0	0	38.8	4.3	34.5
324+50 325+00	119.0	0	0	95.2	13.3	81.9
325+00 325+50	141.9	0	0	113.5	11.9	101.6
325+50 325+55	16.5	0	0	13.2	0.9	12.3
325+55 326+00	138.9	0	0	111.1	9.8	101.3
326+00 326+50	144.1	0	0	115.3	12.3	103.0
326+50 327+00	155.3	0	0	124.2	14.6	109.6
327+00 327+50	160.4	0	0	128.3	11.3	117.0
327+50 328+00	173.6	0	0	138.9	6.7	132.2
328+00 328+38	140.8	0	0	112.7	5.0	107.7
328+38 328+50	43.4	0	0	34.8	1.4	33.4
328+50 328+95	160.3	0	0	128.3	5.6	122.7
328+95 329+00	19.2	0	0	15.3	0.6	14.8
329+00 329+50	173.7	0	0	139.0	7.3	131.7
329+50 330+00	154.0	0	0	123.2	10.2	113.0
TOTAL	8269.2			6615.4	621.5	5993.9

**EARTH WORK TABLE
KIRCHOFF ROAD & DUPONT AVENUE**

STA TO	EARTH EXC. CU YD	PGE CU YD	UNSUIT. CU YD	EXC. ** SHRINKAGE CU YD	EMBANKM. CU YD	BALANCE * CU YD
130+50 131+00	37.3	0	0	30.5	37.3	29.8
131+00 131+29	14.9	0	0	14.9	17.8	11.9
131+29 131+50	12.3	0	0	10.6	12.7	9.8
131+50 131+79	17.5	0	0	14.6	17.9	14.0
131+79 132+00	12.3	0	0	10.9	13.4	9.8
132+00 132+50	28.7	0	0	25.5	30.7	23.0
132+50 132+79	15.0	0	0	14.9	17.6	12.0
132+79 133+00	11.4	0	0	10.6	12.7	9.1
133+00 133+16	10.4	0	0	8.4	10.1	8.3
133+16 133+50	25.2	0	0	20.0	24.6	20.2
133+50 134+00	46.9	0	0	31.9	46.3	37.5
134+00 134+18	21.3	0	0	13.2	19.9	17.1
134+18 134+50	37.2	0	0	28.2	40.1	29.8
134+50 135+00	62.3	0	0	46.9	67.6	49.8
135+00 135+50	58.3	0	0	44.5	62.6	46.6
135+50 135+80	29.7	0	0	22.6	30.1	23.8
135+80 136+00	20.2	0	0	13.7	17.8	16.2
136+00 136+15	13.2	0	0	8.5	11.0	10.6
136+15 136+50	24.8	0	0	18.7	24.0	19.8
TOTAL	498.8	389.3	514.0	399.0	47.7	351.3
STA TO	EARTH EXC. CU YD	PGE CU YD	UNSUIT. CU YD	EXC. ** SHRINKAGE CU YD	EMBANKM. CU YD	BALANCE * CU YD
125+50 125+90	24.8	0	0	83.4	19.9	1.0
125+90 126+00	5.8	0	0	20.3	26.4	4.7
126+00 126+50	25.1	0	0	120.8	141.0	20.1
126+50 127+00	21.0	0	0	139.9	156.7	16.8
127+00 127+24	8.6	0	0	71.3	87.2	6.9
127+24 127+50	26.7	0	0	77.8	105.0	21.3
127+50 128+00	58.0	0	0	158.4	218.7	46.4
128+00 128+50	26.9	0	0	170.9	232.6	21.5
128+50 129+00	43.0	0	0	215.6	304.7	34.4
TOTAL	239.9	1058.4	1419.8	191.9	64.3	127.6

EARTH WORK SUMMARY

	EARTH EXC. CU YD	PGE CU YD	UNSUIT. CU YD	EXC. ** SHRINKAGE CU YD	EMBANKM. CU YD	BALANCE * CU YD
TOTAL	9994.7	1447.7	1933.8	7995.8	823.7	7172.1

* EARTHWORK BALANCE WASTE (+) INCLUDED IN THE COST OF "EARTH EXCAVATION" SHORTAGE (-) PAID FOR AS "FURNISHED EXCAVATION"

** EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25%

**EARTH WORK TABLE
EUCLID AVENUE**

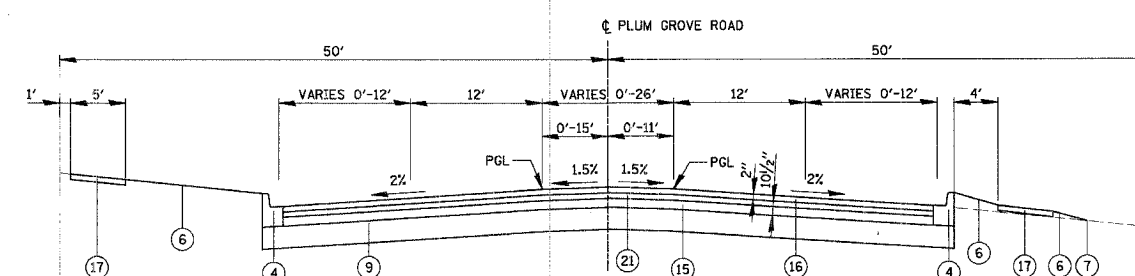
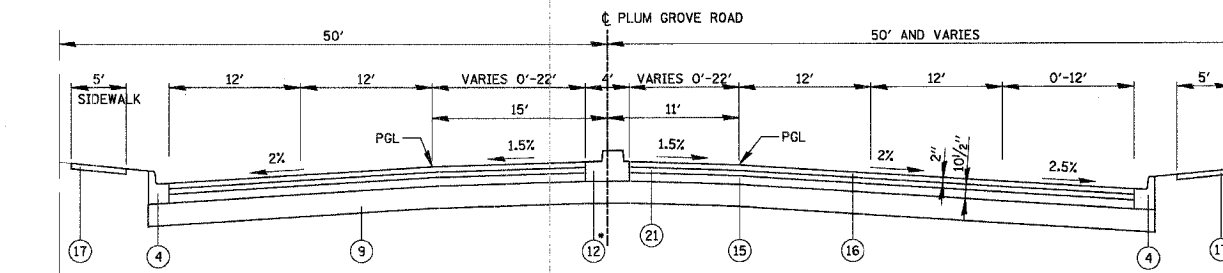
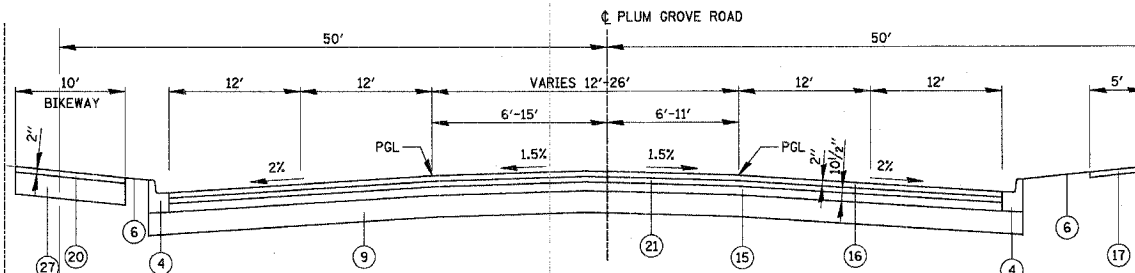
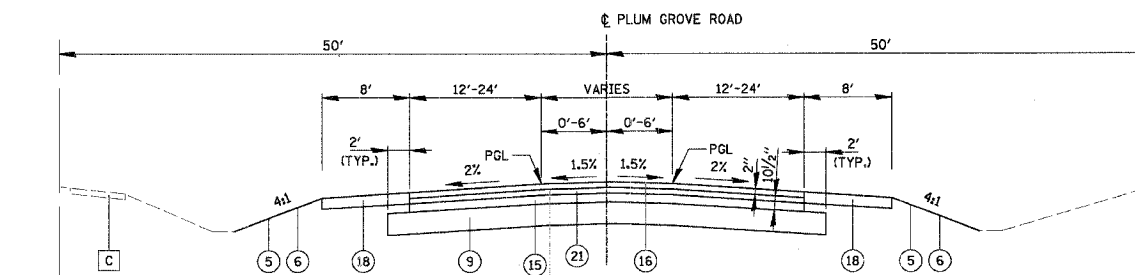
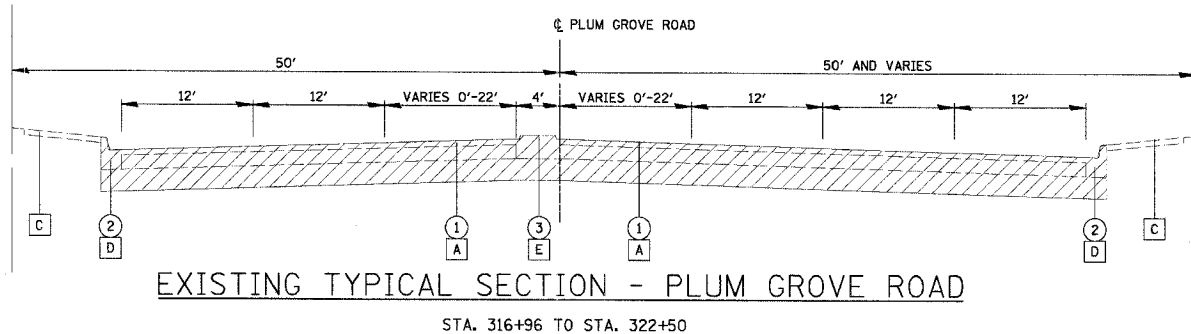
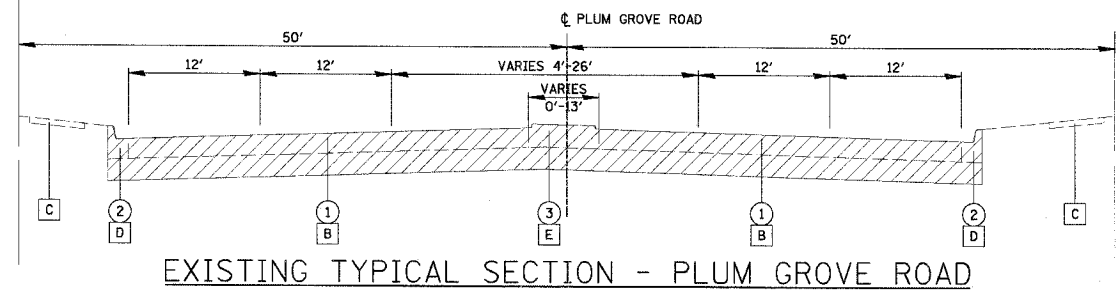
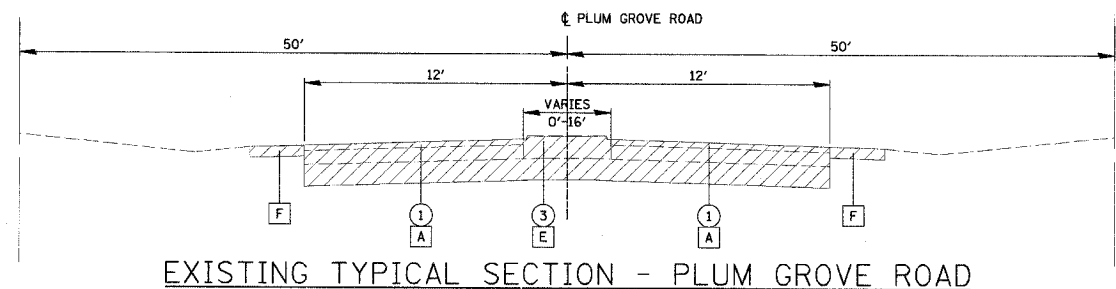
STA TO	EARTH EXC. CU YD	PGE CU YD	UNSUIT. CU YD	EXC. ** SHRINKAGE CU YD	EMBANKM. CU YD	BALANCE * CU YD
26+00 26+22	8.1	0	0	7.3	1.0	6.3
26+22 26+50	13.1	0	0	10.5	1.0	9.5
26+50 27+00	26.4	0	0	21.1	14.0	7.1
27+00 27+50	31.8	0	0	25.4	26.8	-1.4
27+50 28+00	47.8	0	0	38.3	16.5	21.8
28+00 28+27	37.9	0	0	30.3	1.2	29.1
28+27 28+50	34.4	0	0	27.5	0.7	26.8
28+50 29+00	78.4	0	0	62.8	2.8	62.0
29+00 29+50	91.8	0	0	73.4	2.9	70.5
29+50 30+00	116.4	0	0	93.1	4.3	88.9
30+00 30+50	184.3	0	0	147.4	5.6	141.8
30+50 31+00	134.2	0	0	107.4	2.8	104.6
31+00 31+50	33.6	0	0	26.9	0.0	26.9
31+50 32+00	52.5	0	0	42.0	4.5	37.5
32+00 32+34	46.8	0	0	37.5	4.7	32.7
32+34 32+50	19.9	0	0	15.9	1.0	15.0
32+50 32+66	15.7	0	0	12.5	0.3	12.3
32+66 33+00	12.5	0	0	10.0	0.2	9.8
33+00 33+50	0.0	0	0	0.0	0.0	0.0
33+50 34+00	0.0	0	0	0.0	0.0	0.0
34+00 34+50	0.0	0	0	0.0	0.0	0.0
34+50 35+00	0.0	0	0	0.0	0.0	0.0
35+00 35+50	0.0	0	0	0.0	0.0	0.0
35+50 36+00	0.0	0	0	0.0	0.0	0.0
36+00 36+50	0.0	0	0	0.0	0.0	0.0
36+50 37+00	0.0	0	0	0.0	0.0	0.0
37+00 37+50	0.0	0	0	0.0	0.0	0.0
37+50 38+00	0.0	0	0	0.0	0.0	0.0
38+00 38+50	0.0	0	0	0.0	0.0	0.0
38+50 38+59	0.0	0	0	0.0	0.0	0.0
38+59 38+86	0.0	0	0	0.0	0.0	0.0
38+86 39+00	0.0	0	0	0.0	0.0	0.0
39+00 39+50	0.0	0	0	0.0	0.0	0.0
39+50 40+00	0.0	0	0	0.0	0.0	0.0
40+00 40+50	0.0	0	0	0.0	0.0	0.0
40+50 41+00	0.0	0	0	0.0	0.0	0.0
TOTAL	987	0	0	789	90	699

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
SCHEDULE OF QUANTITIES**
SCALE: NTS
DATE: 1/4/2007
DRAWN BY: PMM
CHECKED BY: MCW

DATE: _____ BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



ITEM	AC-TYPE	VOIDS	RAP %
PLUM GROVE RD. FULL DEPTH HOT-MIX ASPHALT PAVEMENT (12-1/2")			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F, N90, 2"	SBS/SBR PG 70-22	4% @ 90 GYR	10
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/2"	SBS/SBR PG 70-22	4% @ 90 GYR	10
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 8"	PG 64-22 *	4% @ 50 GYR	25
EUCLEID AVE. HOT-MIX ASPHALT PAVEMENT			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F, N90, 2"	SBS/SBR PG 70-22	4% @ 90 GYR	10
KIRCHOFF RD. HOT-MIX ASPHALT PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"	PG 64-22	4% @ 70 GYR	10/15
LEVELING BINDER (MACHINE METHOD), N-70, 1"	PG 64-22 *	4% @ 70 GYR	15/25
DUPONT AVE. HOT-MIX ASPHALT PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 2"	PG 64-22	4% @ 50 GYR	15
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 4"	PG 64-22 *	4% @ 50 GYR	25
BIKEWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 2"	PG 64-22	4% @ 50 GYR	15
TEMPORARY PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50; 1-3/4"	PG 64-22	4% @ 50 GYR	15
HOT-MIX ASPHALT BASE COURSE, 6-1/4"	PG 64-22 *	2% @ 50 GYR	50
DRIVEWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50	PG 64-22	4% @ 50 GYR	15
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50	PG 64-22 *	4% @ 50 GYR	25

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

• WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

LEGEND:

- | | | | | |
|---|--|---|---|---|
| <ul style="list-style-type: none"> A EXISTING BITUMINOUS PAVEMENT B EXISTING P.C. CONCRETE PAVEMENT C EXISTING P.C.C. SIDEWALK D EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 E EXISTING MEDIAN F EXISTING AGGREGATE SHOULDER | <ul style="list-style-type: none"> 1 PAVEMENT REMOVAL 2 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 TO BE REMOVED 3 FULL DEPTH MEDIAN REMOVAL 4 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 5 EARTH EXCAVATION 6 SODDING, SALT TOLERANT 7 TOPSOIL, FURNISH AND PLACE 4" | <ul style="list-style-type: none"> 9 AGGREGATE SUBGRADE 12" 10 *6 TIE BARS 2'6" LONG @ 2'6" CTRS DRILLED & GROUDED (INCLUDED IN COST OF PORTLAND CEMENT CONCRETE BASE COURSE, 10"). 11 6 TIE BARS 2'6" LONG @ 2'6" CTRS (INCLUDED IN COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 OR CORRUGATED CONCRETE MEDIAN) 12 CONCRETE MEDIAN, TYPE SB 13 PORTLAND CEMENT CONCRETE BASE COURSE, 10" | <ul style="list-style-type: none"> 14 STRIP REFLECTIVE CRACK CONTROL (24") 15 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" 16 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" 17 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. 18 AGGREGATE SHOULDERS, TYPE B 6" 19 SAW CUT FULL DEPTH (INCLUDED IN COST OF REMOVAL ITEM) 20 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 | <ul style="list-style-type: none"> 21 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/2" 27 AGGREGATE BASE COURSE TYPE B, 8" |
|---|--|---|---|---|

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLUM GROVE ROAD TYPICAL SECTIONS
 SCALE: NTS
 DATE: 1/5/2007
 DRAWN BY: PMM
 CHECKED BY: MCW

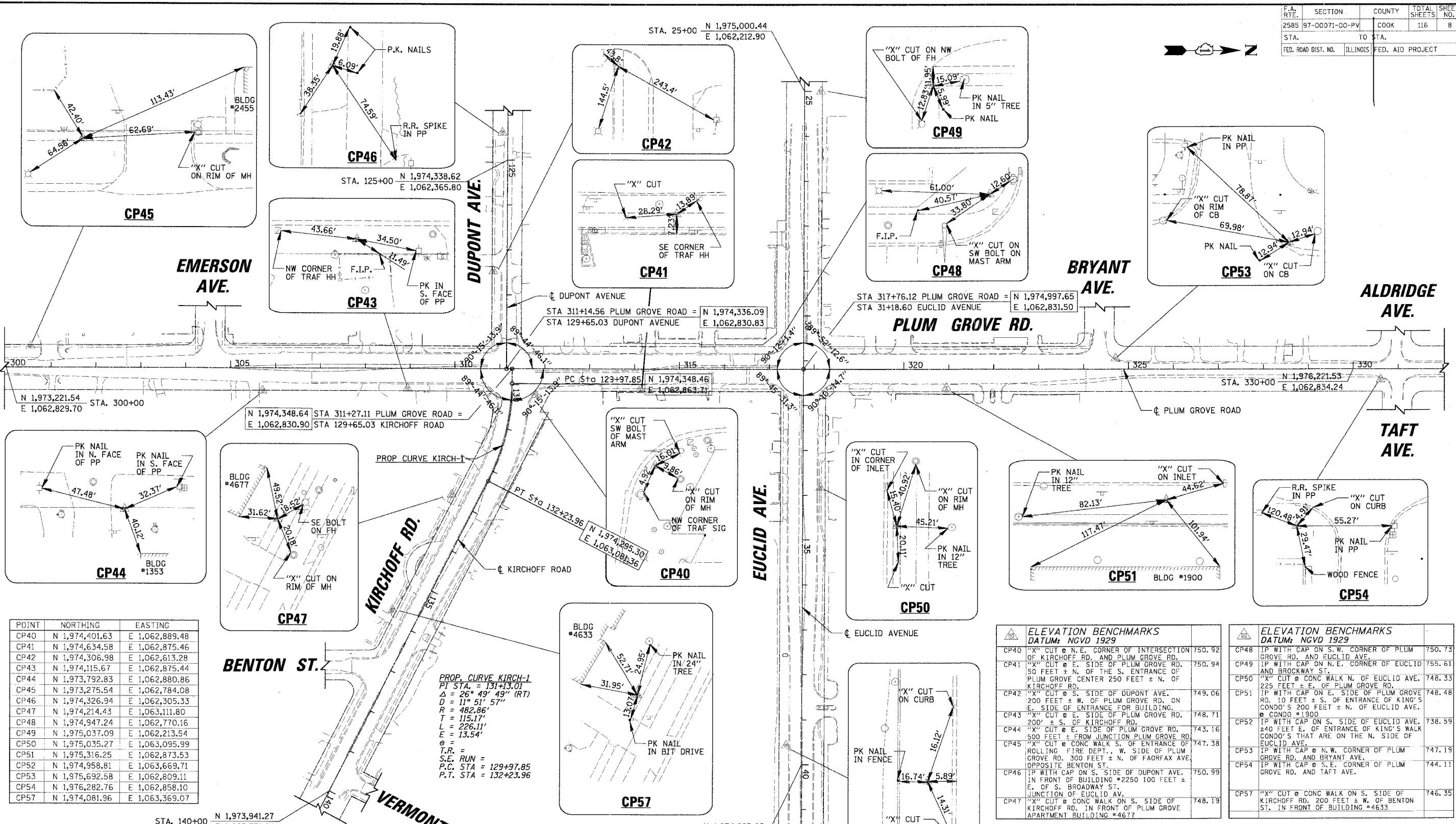
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500
 PROFILE DATE: 1/5/07
 DRAWN BY: PMM
 CHECKED BY: MCW
 DATE: 1/5/07
 NO. OF PAGES: 116
 NO. OF SHEETS: 6
 ADDITIONAL NOTES:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	8
STA. TO STA.		ILLINOIS FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY



POINT	NORTHING	EASTING
CP40	N 1,974,401.63	E 1,062,889.48
CP41	N 1,974,634.58	E 1,062,875.46
CP42	N 1,974,306.98	E 1,062,613.28
CP43	N 1,974,115.67	E 1,062,875.44
CP44	N 1,973,792.83	E 1,062,880.86
CP45	N 1,973,275.54	E 1,062,784.08
CP46	N 1,974,326.94	E 1,062,305.33
CP47	N 1,974,214.43	E 1,063,111.80
CP48	N 1,974,947.24	E 1,062,770.16
CP49	N 1,975,037.09	E 1,062,213.54
CP50	N 1,975,035.27	E 1,063,095.99
CP51	N 1,975,316.25	E 1,062,873.53
CP52	N 1,974,958.81	E 1,063,669.71
CP53	N 1,975,692.58	E 1,062,809.11
CP54	N 1,976,282.76	E 1,062,858.10
CP57	N 1,974,081.96	E 1,063,369.07

PROP. CURVE KIRCH-1
 PT STA. = 131+13.01
 $\Delta = 26^\circ 49' 49''$ (RT)
 $D = 11^\circ 51' 57''$
 $R = 482.86'$
 $T = 115.17'$
 $L = 226.11'$
 $E = 13.54'$
 $\theta =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA = 129+97.85$
 $P.T. STA = 132+23.96$

CP	DESCRIPTION	ELEVATION
CP40	"X" CUT @ N.E. CORNER OF INTERSECTION OF KIRCHOFF RD. AND PLUM GROVE RD.	750.92
CP41	"X" CUT @ E. SIDE OF PLUM GROVE RD. 50 FEET ± N. OF THE S. ENTRANCE OF PLUM GROVE CENTER 250 FEET ± N. OF KIRCHOFF RD.	750.94
CP42	"X" CUT @ S. SIDE OF DUPONT AVE. 200 FEET ± W. OF PLUM GROVE RD. ON E. SIDE OF ENTRANCE FOR BUILDING.	749.06
CP43	"X" CUT @ E. SIDE OF PLUM GROVE RD. 200' ± S. OF KIRCHOFF RD.	748.71
CP44	"X" CUT @ E. SIDE OF PLUM GROVE RD. 500 FEET ± FROM JUNCTION PLUM GROVE RD.	743.16
CP45	"X" CUT @ CONC WALK S. OF ENTRANCE OF ROLLING FIRE DEPT., W. SIDE OF PLUM GROVE RD. 300 FEET ± N. OF FAORFAX AVE. OPPOSITE BENTON ST.	747.38
CP46	IP WITH CAP ON S. SIDE OF DUPONT AVE. IN FRONT OF BUILDING #2250 100 FEET ± E. OF S. BROADWAY ST. JUNCTION OF EUCLID AV.	750.99
CP47	"X" CUT @ CONC WALK ON S. SIDE OF KIRCHOFF RD. IN FRONT OF PLUM GROVE APARTMENT BUILDING #4677	748.19
CP48	IP WITH CAP ON S.W. CORNER OF PLUM GROVE RD. AND EUCLID AVE.	750.73
CP49	IP WITH CAP ON N.E. CORNER OF EUCLID AND BROCKWAY ST.	755.61
CP50	"X" CUT @ CONC WALK N. OF EUCLID AVE. 225 FEET ± E. OF PLUM GROVE RD.	748.33
CP51	IP WITH CAP ON E. SIDE OF PLUM GROVE RD. 10 FEET ± S. OF ENTRANCE OF KING'S CONDO'S 200 FEET ± N. OF EUCLID AVE. @ CONDO #1900	748.48
CP52	IP WITH CAP ON S. SIDE OF EUCLID AVE. ±40 FEET E. OF ENTRANCE OF KING'S WALK CONDO'S THAT ARE ON THE N. SIDE OF EUCLID AVE.	738.59
CP53	IP WITH CAP @ N.W. CORNER OF PLUM GROVE RD. AND BRYANT AVE.	747.19
CP54	IP WITH CAP @ S.E. CORNER OF PLUM GROVE RD. AND TAFT AVE.	744.11
CP57	"X" CUT @ CONC WALK ON S. SIDE OF KIRCHOFF RD. 200 FEET ± W. OF BENTON ST. IN FRONT OF BUILDING #4633	746.35

REVISIONS	
NAME	DATE

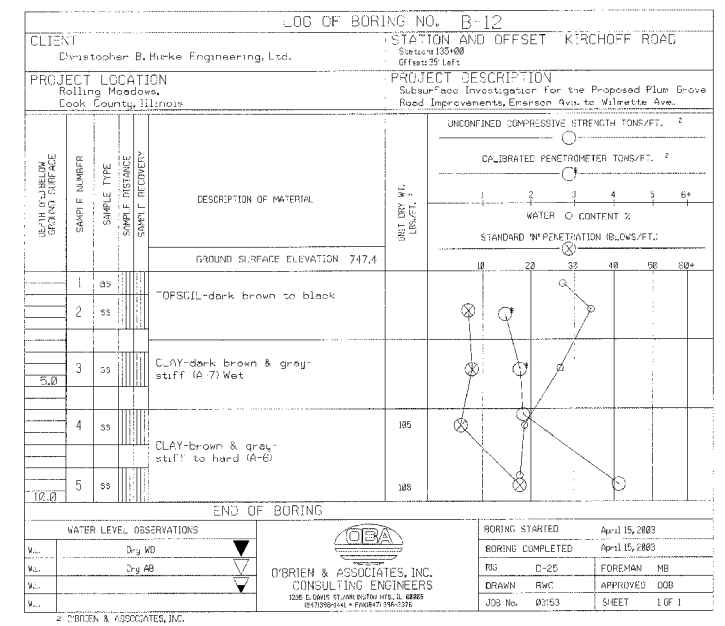
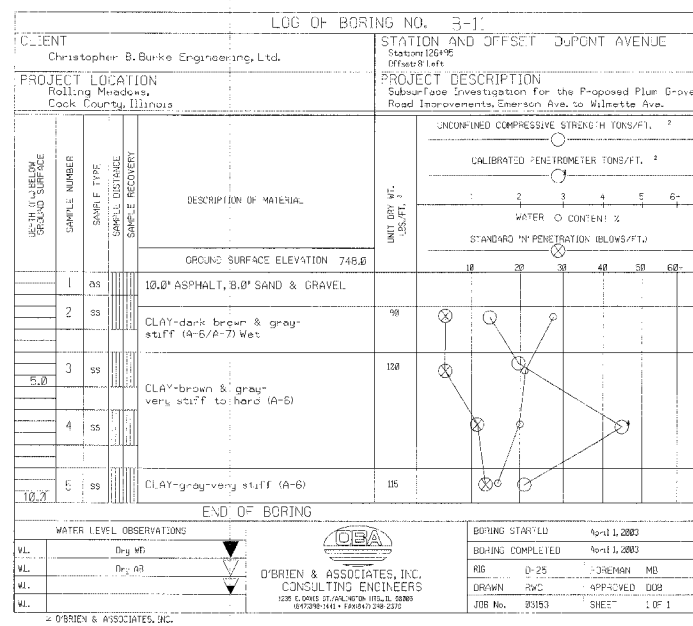
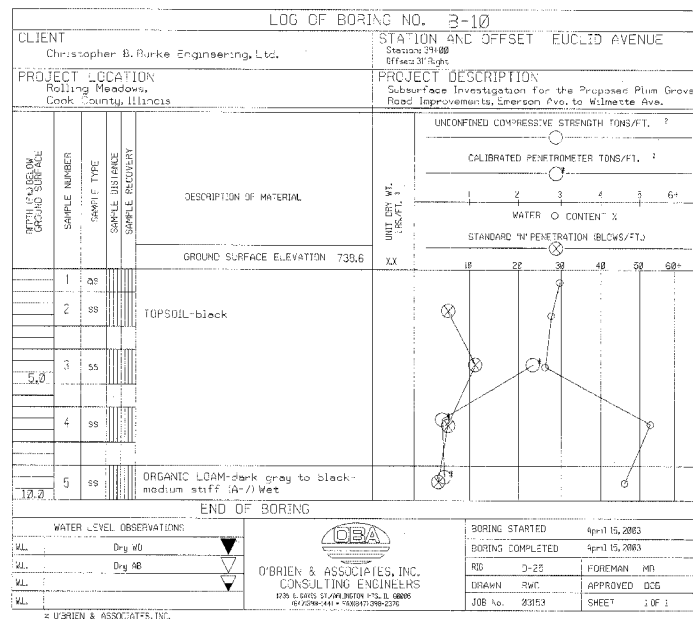
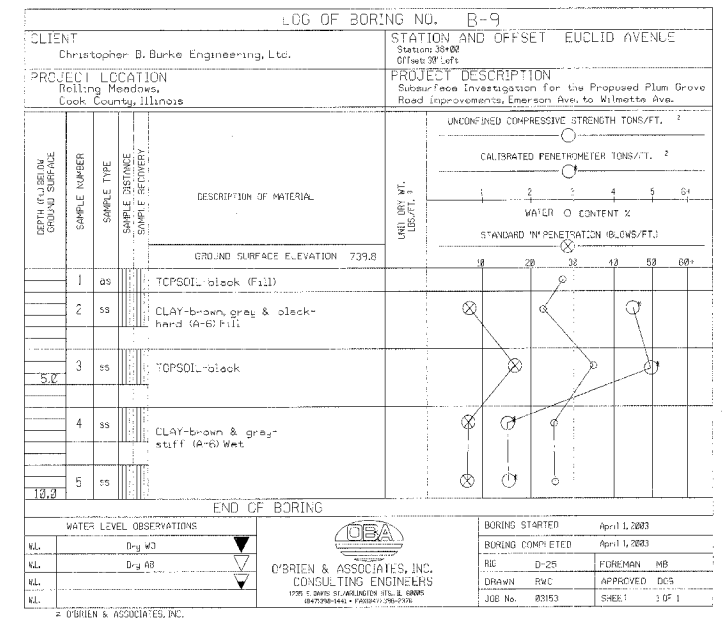
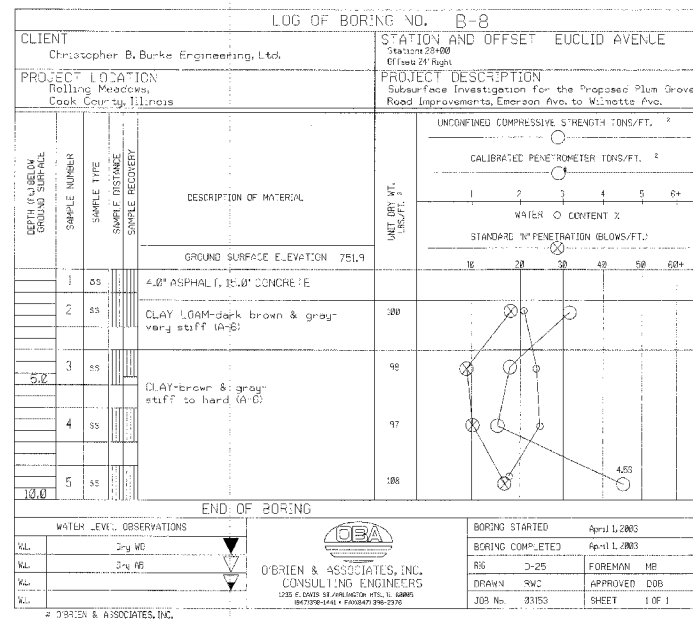
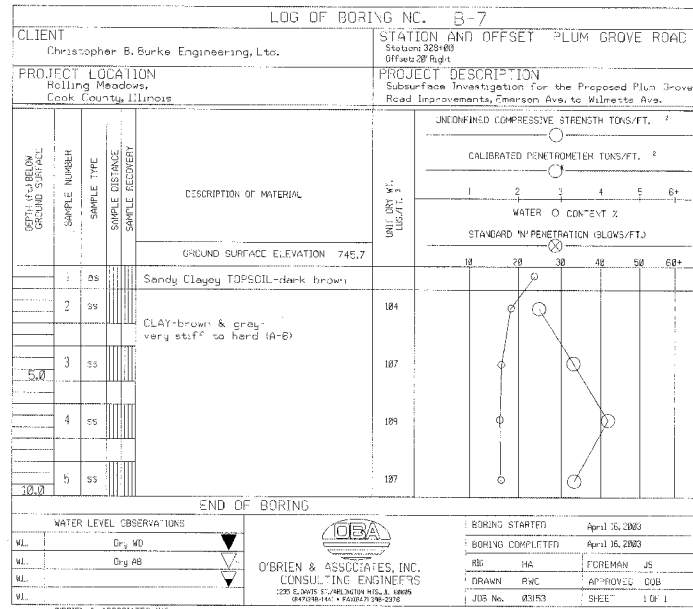
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLUM GROVE ROAD ALIGNMENT, TIES AND BENCHMARKS
 SCALE: 100'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE: _____ BY: _____
 PLAN SURVEYED, PLOTTED, CHECKED, AND FILED BY: _____
 NOTE BOOK NO. _____ CAD FILE NAME: _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE: _____ BY: _____
 PROFILE SURVEYED, PLOTTED, CHECKED, AND FILED BY: _____
 NOTE BOOK NO. _____ STRUCTURE RETAINING CURB: _____



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLUM GROVE ROAD
 SOIL BORINGS &
 PAVEMENT CORES**

SCALE: NONE
 DATE: 6/8/2006

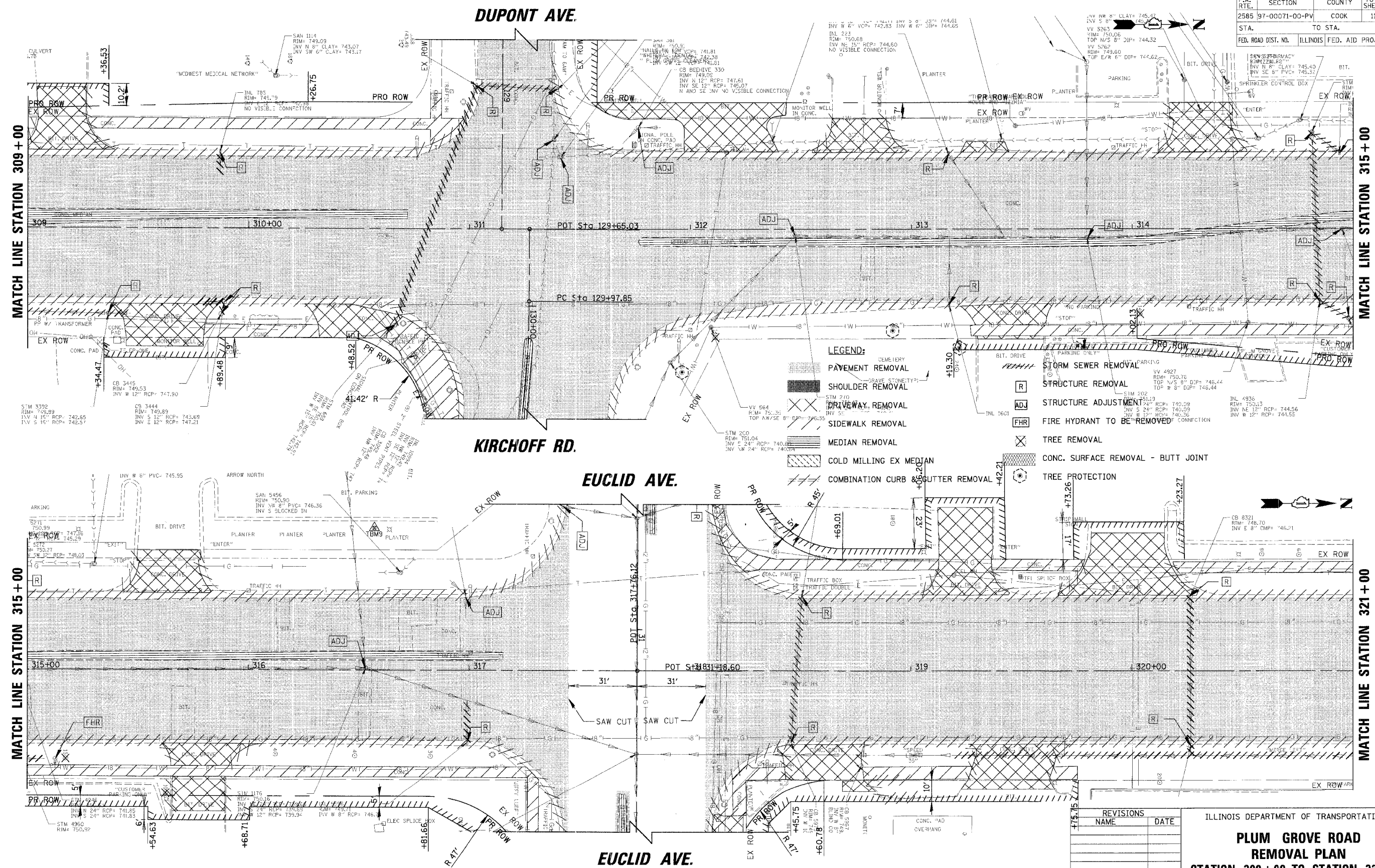
DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	14
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY	REVISIONS

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY	REVISIONS



- LEGEND:**
- CEMETERY REMOVAL
 - PAVEMENT REMOVAL
 - SHOULDER REMOVAL
 - DRIVEWAY REMOVAL
 - SIDEWALK REMOVAL
 - MEDIAN REMOVAL
 - COLD MILLING EX MEDIAN
 - COMBINATION CURB & GUTTER REMOVAL
 - STORM SEWER REMOVAL
 - STRUCTURE REMOVAL
 - STRUCTURE ADJUSTMENT
 - FIRE HYDRANT TO BE REMOVED
 - TREE REMOVAL
 - CONC. SURFACE REMOVAL - BUTT JOINT
 - TREE PROTECTION

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 REMOVAL PLAN**
 STATION 309+00 TO STATION 321+00

SCALE: 20'
 DATE: 6/8/2006

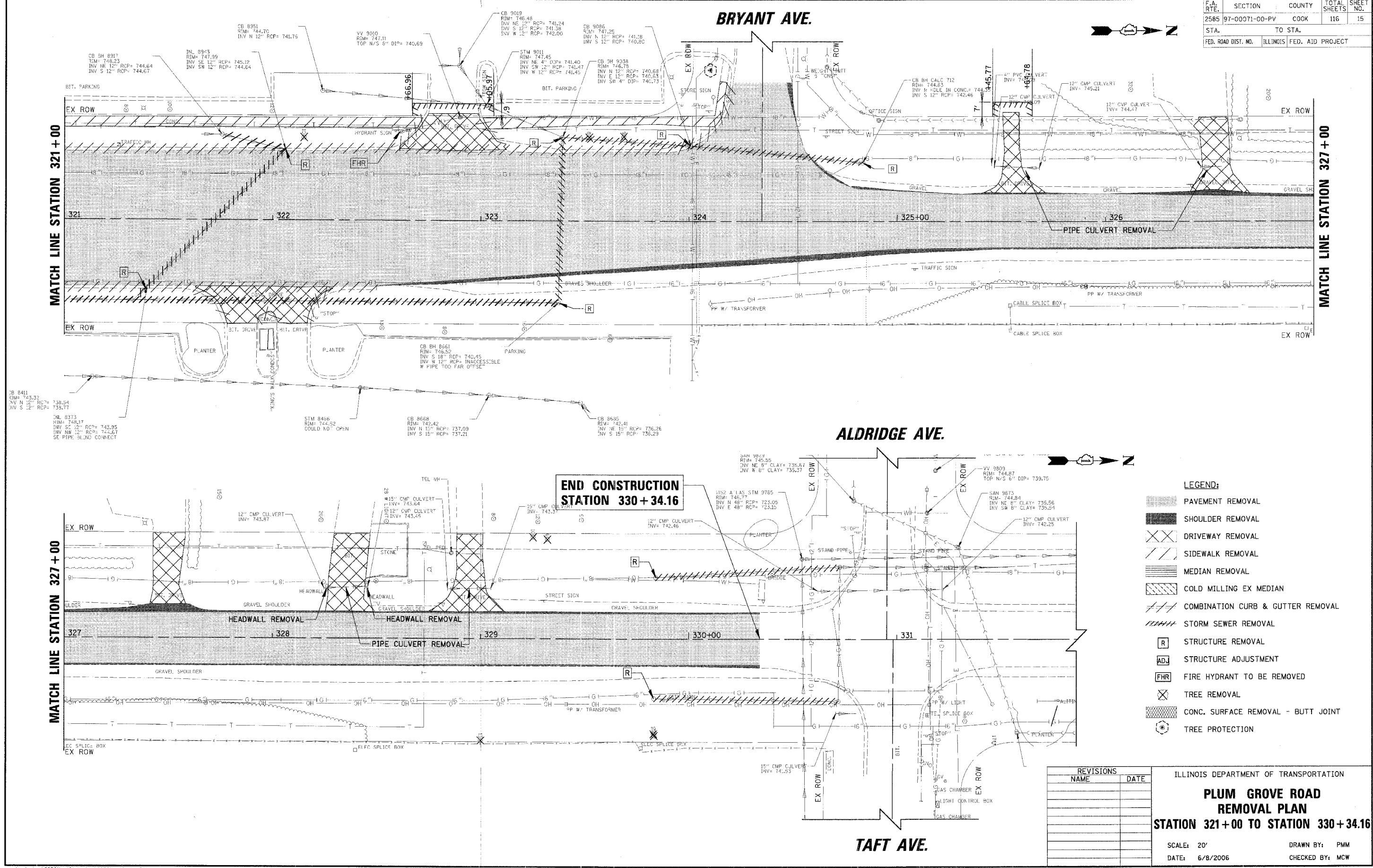
DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY

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 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY
DATE	BY



- LEGEND:**
- PAVEMENT REMOVAL
 - SHOULDER REMOVAL
 - DRIVEWAY REMOVAL
 - SIDEWALK REMOVAL
 - MEDIAN REMOVAL
 - COLD MILLING EX MEDIAN
 - COMBINATION CURB & GUTTER REMOVAL
 - STORM SEWER REMOVAL
 - STRUCTURE REMOVAL
 - STRUCTURE ADJUSTMENT
 - FIRE HYDRANT TO BE REMOVED
 - TREE REMOVAL
 - CONC. SURFACE REMOVAL - BUTT JOINT
 - TREE PROTECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 REMOVAL PLAN**
 STATION 321+00 TO STATION 330+34.16

SCALE: 20'
 DATE: 6/8/2006

DRAWN BY: PMM
 CHECKED BY: MCW

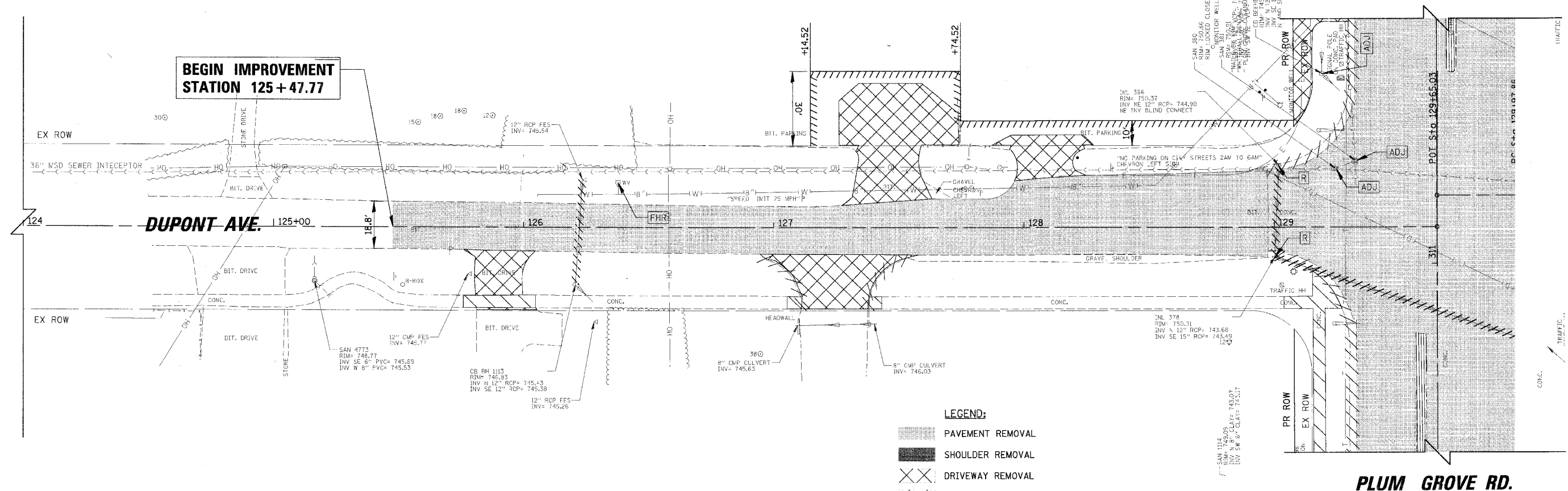
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	RT. OF MAY CHECKED	
	ADD FILE NAME	

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PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	B.A.M. NOTED	
	STRUCTURE NOTING USED	



- LEGEND:**
- PAVEMENT REMOVAL
 - SHOULDER REMOVAL
 - DRIVEWAY REMOVAL
 - SIDEWALK REMOVAL
 - MEDIAN REMOVAL
 - COLD MILLING EX MEDIAN
 - COMBINATION CURB & GUTTER REMOVAL
 - STORM SEWER REMOVAL
 - STRUCTURE REMOVAL
 - STRUCTURE ADJUSTMENT
 - FIRE HYDRANT TO BE REMOVED
 - TREE REMOVAL
 - CONC. SURFACE REMOVAL - BUTT JOINT
 - TREE PROTECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DUPONT AVENUE
 REMOVAL PLAN**

STATION 125+47.77 TO STATION 130+00

SCALE: 20'
 DATE: 6/8/2006

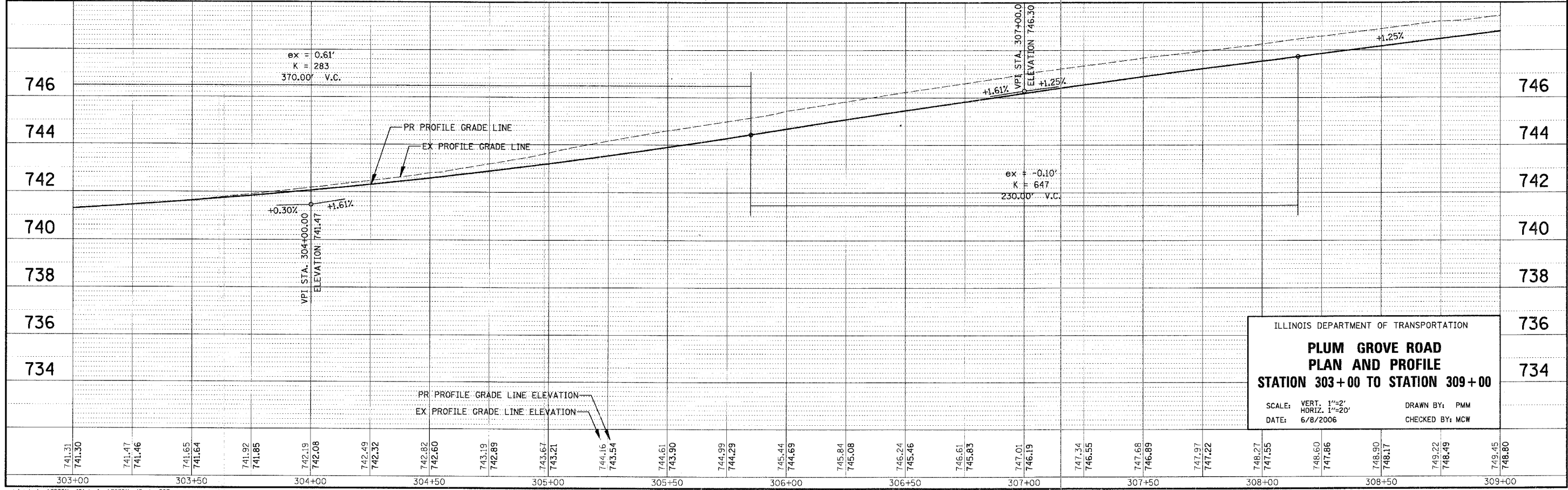
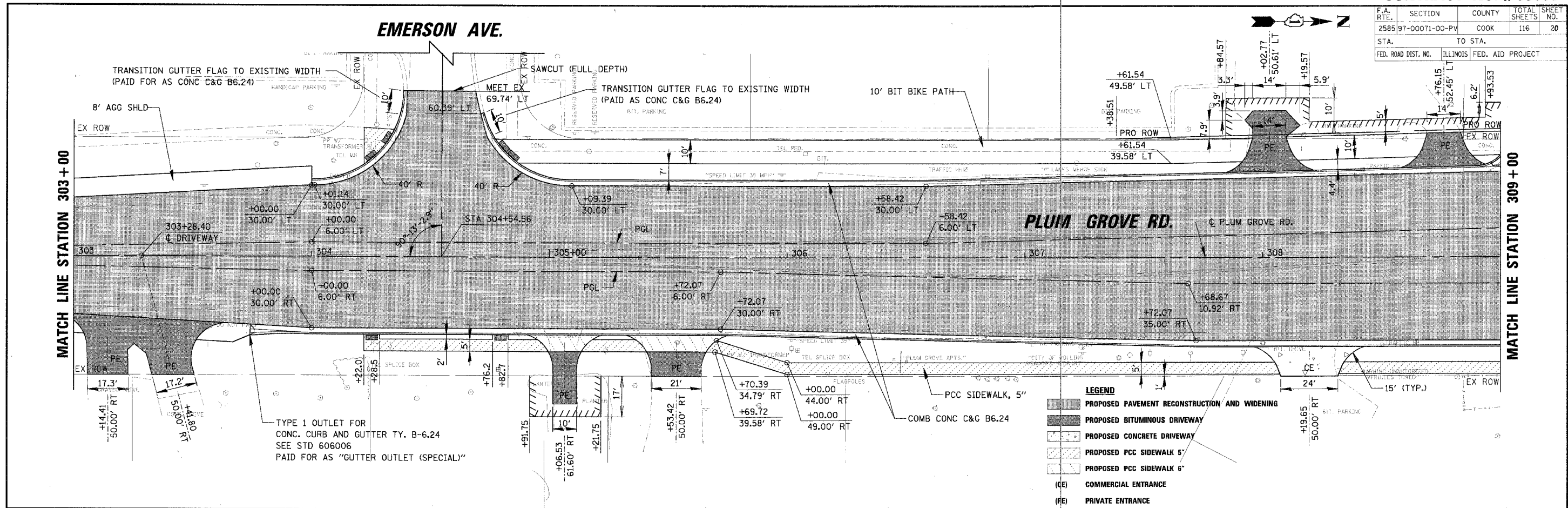
DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585 97-00071-00-PV	COOK	ILLINOIS	116	20
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY
DATE	BY
DATE	BY

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 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY
DATE	BY



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLUM GROVE ROAD

PLAN AND PROFILE

STATION 303+00 TO STATION 309+00

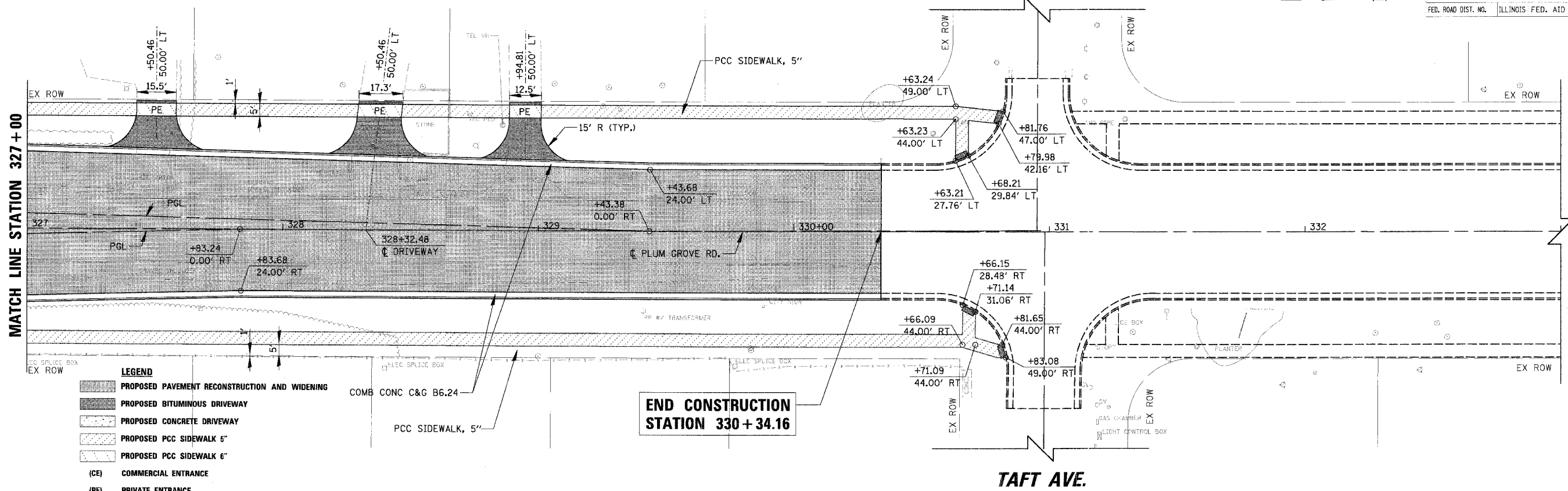
SCALE: VERT. 1"=2'
 HORIZ. 1"=20'

DATE: 6/8/2006

DRAWN BY: PMM
 CHECKED BY: MCW

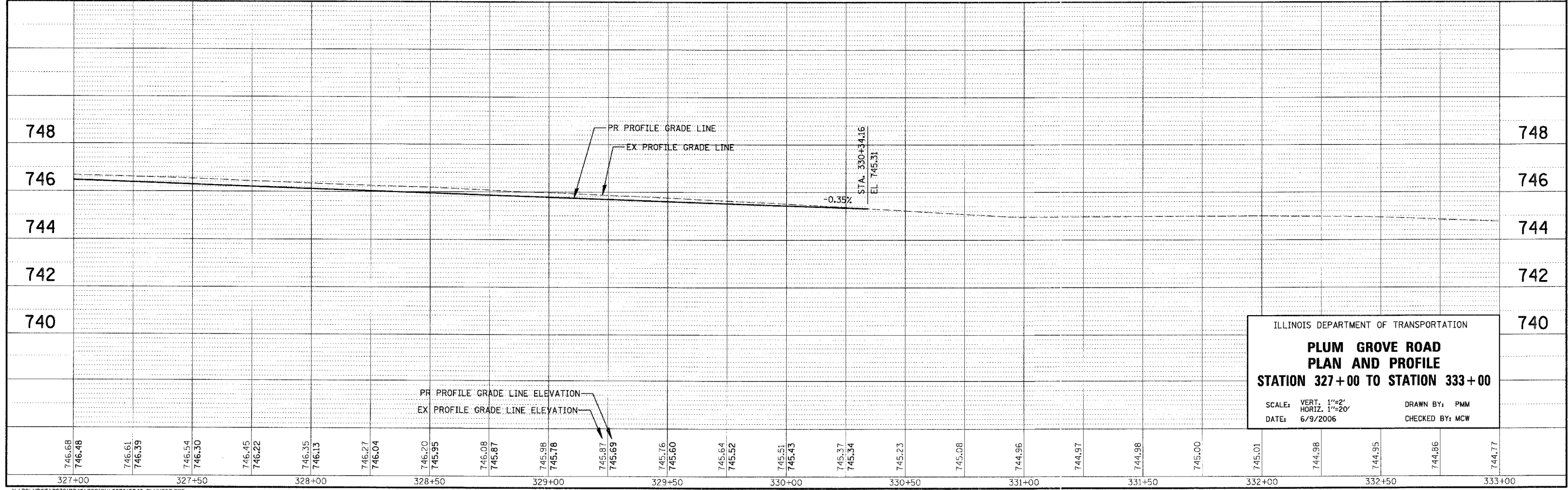
n:\mids\98361br48\design\98361br48_plum303.rdp

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585 97-00071-00-PV		COOK	116	24
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



- LEGEND**
- PROPOSED PAVEMENT RECONSTRUCTION AND WIDENING
 - PROPOSED BITUMINOUS DRIVEWAY
 - PROPOSED CONCRETE DRIVEWAY
 - PROPOSED PCC SIDEWALK 5"
 - PROPOSED PCC SIDEWALK 6"
 - (CE) COMMERCIAL ENTRANCE
 - (PE) PRIVATE ENTRANCE

**END CONSTRUCTION
STATION 330 + 34.16**



ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 PLAN AND PROFILE
 STATION 327+00 TO STATION 333+00**
 SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 6/9/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

PLAN SURVEYED, PLOTTED, CHECKED, REVISIONS, DATE, BY, NO. 4, DATE, BY, NO.

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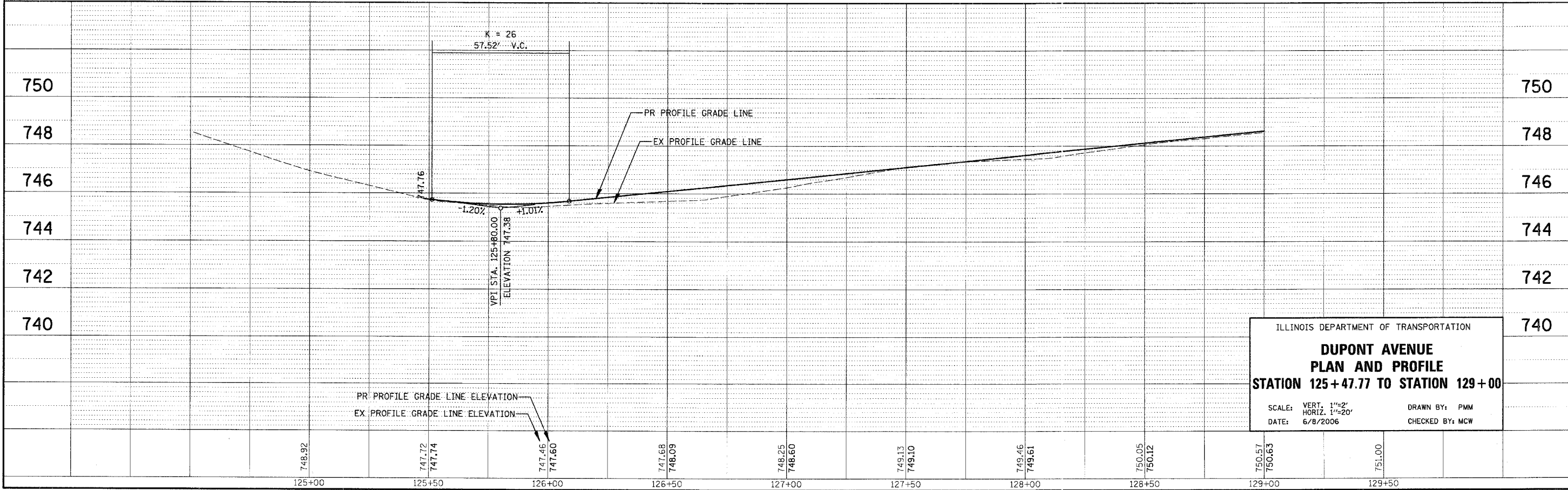
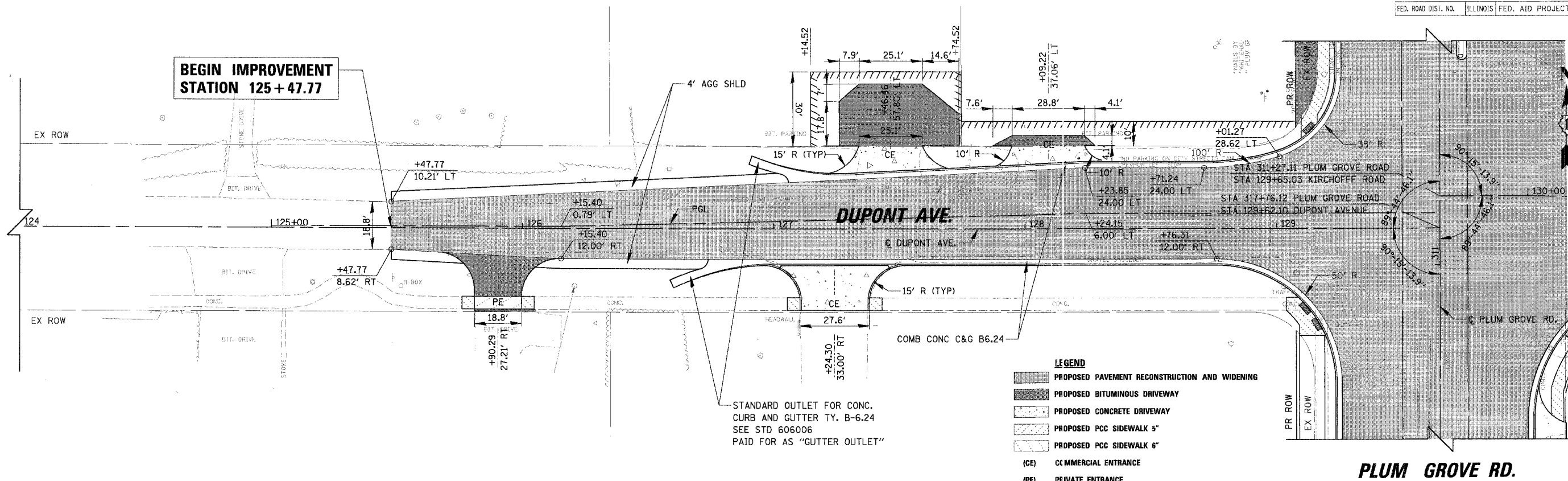
PROFILE SURVEYED, PLOTTED, CHECKED, REVISIONS, DATE, BY, NO. 4, DATE, BY, NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY
DATE	BY
DATE	BY

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DATE	BY
DATE	BY
DATE	BY



ILLINOIS DEPARTMENT OF TRANSPORTATION

DUPONT AVENUE
PLAN AND PROFILE
STATION 125+47.77 TO STATION 129+00

SCALE: VERT. 1"=2'
 HORIZ. 1"=20'

DATE: 6/8/2006

DRAWN BY: PMM
 CHECKED BY: MCW

F.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585/97-00071-00-PV		COOK	116	27
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

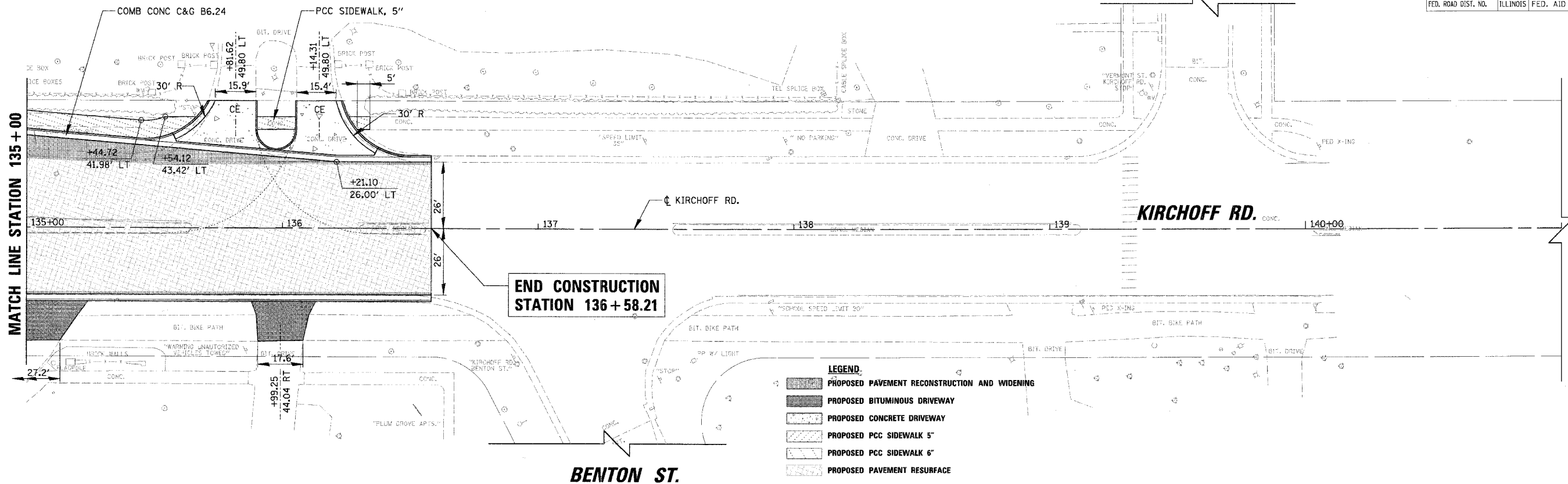
DATE	BY
DATE	BY

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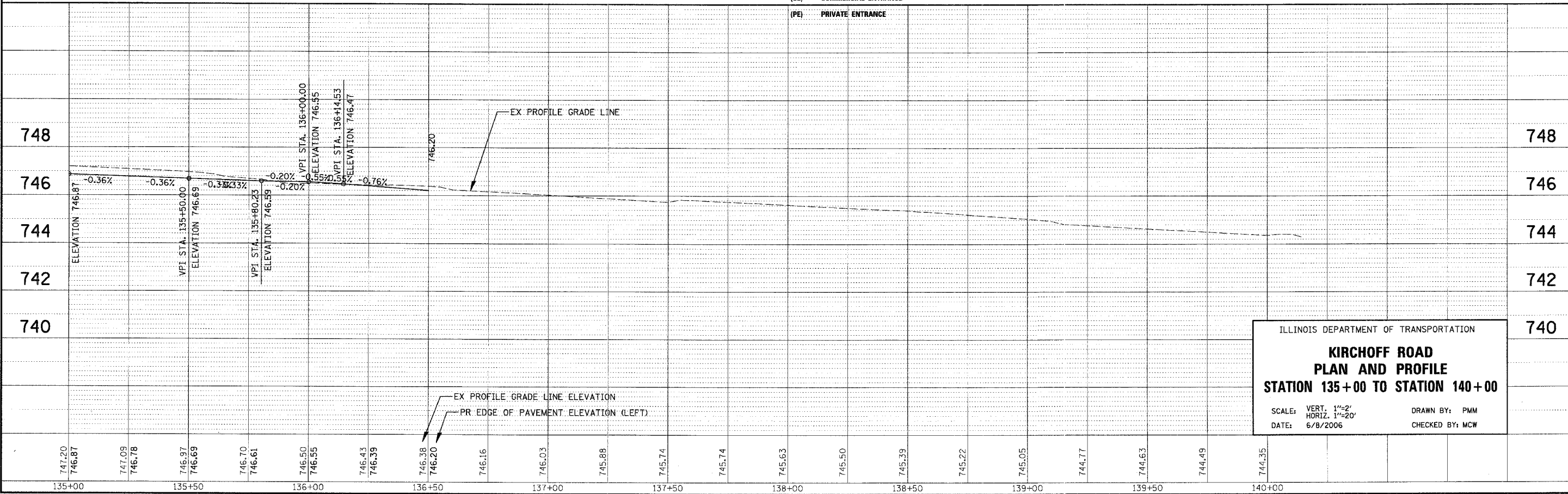
DATE	BY
DATE	BY

PROF. REVISED
 SCALE CHECKED
 DATE NOTED
 STRUCTURE NOTING OK



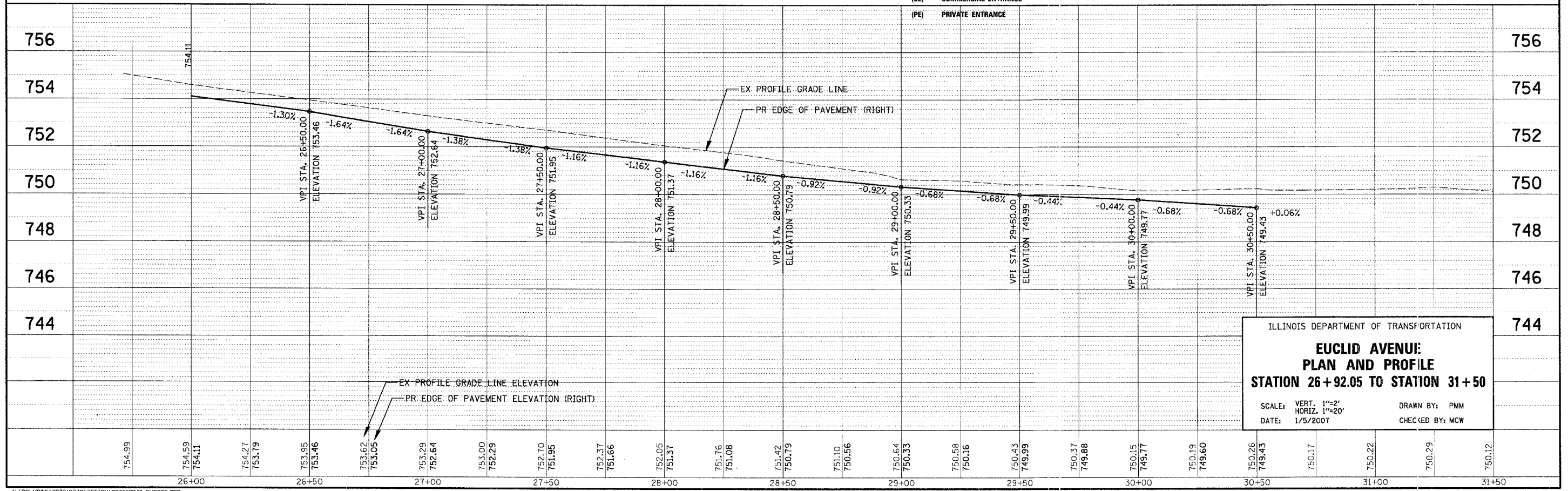
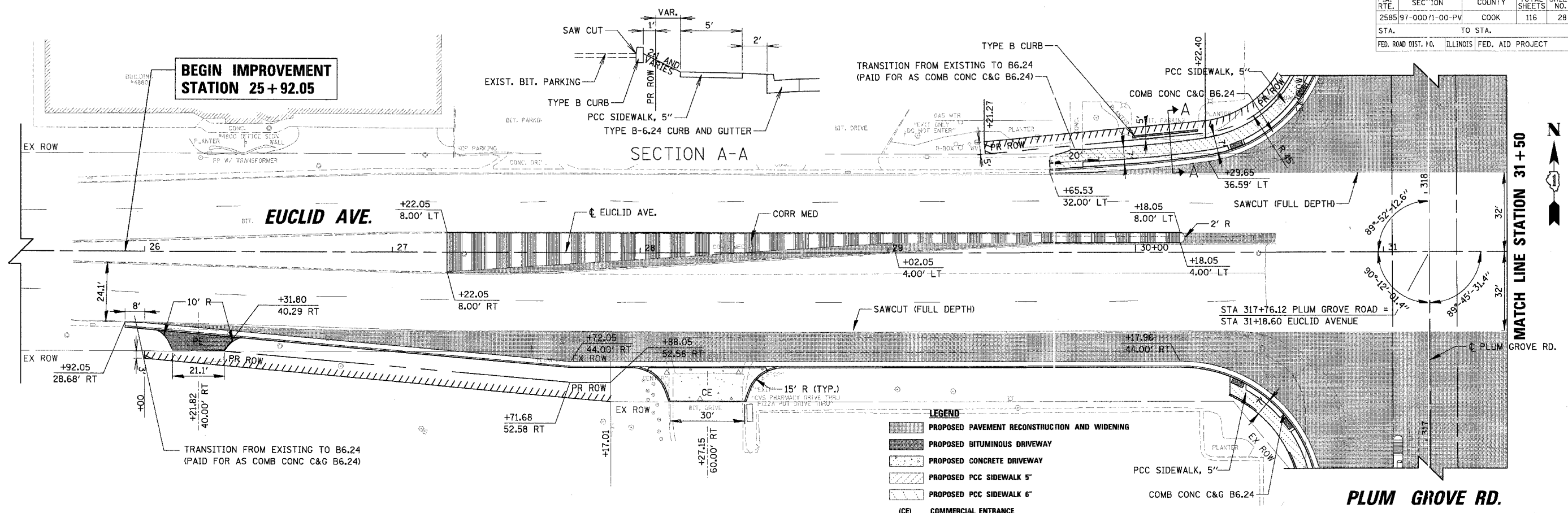
END CONSTRUCTION
 STATION 136 + 58.21

- LEGEND**
- PROPOSED PAVEMENT RECONSTRUCTION AND WIDENING
 - PROPOSED BITUMINOUS DRIVEWAY
 - PROPOSED CONCRETE DRIVEWAY
 - PROPOSED PCC SIDEWALK 5"
 - PROPOSED PCC SIDEWALK 6"
 - PROPOSED PAVEMENT RESURFACE
 - (CE) COMMERCIAL ENTRANCE
 - (PE) PRIVATE ENTRANCE



ILLINOIS DEPARTMENT OF TRANSPORTATION
**KIRCHOFF ROAD
 PLAN AND PROFILE
 STATION 135+00 TO STATION 140+00**
 SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SEC. ION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-000/1-00-PV	COOK	116	28
STA.	TO STA.			
FED. ROAD DIST. I.G.	ILLINOIS	FED. AID PROJECT		



ILLINOIS DEPARTMENT OF TRANSPORTATION

**EUCLID AVENUE:
PLAN AND PROFILE
STATION 26+92.05 TO STATION 31+50**

SCALE: VERT. 1"=2'
HORIZ. 1"=20'

DATE: 1/5/2007

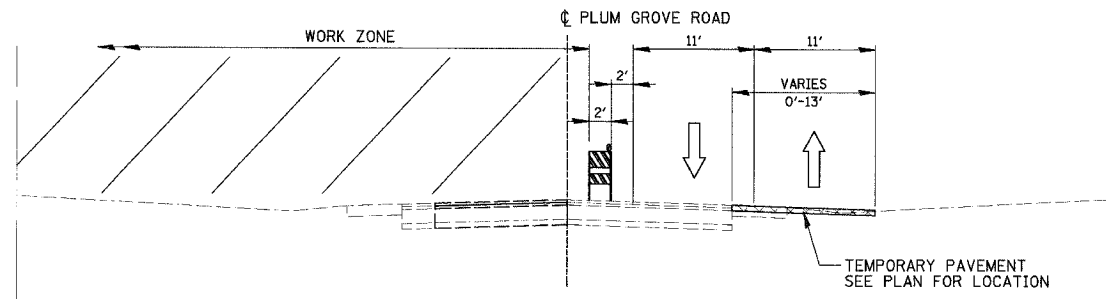
DRAWN BY: PMM
CHECKED BY: MCW

PLAN	SURVEYED	DATE
NOTED	BY	
NO.		

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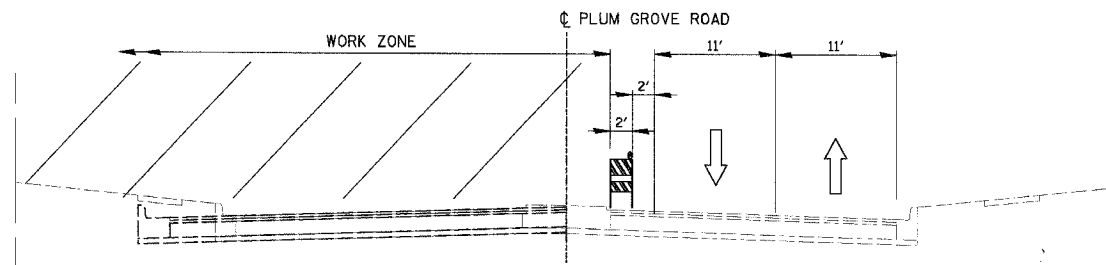
PROFILE	CHECKED	DATE
NOTED	BY	
NO.		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. _____ TO STA. _____		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



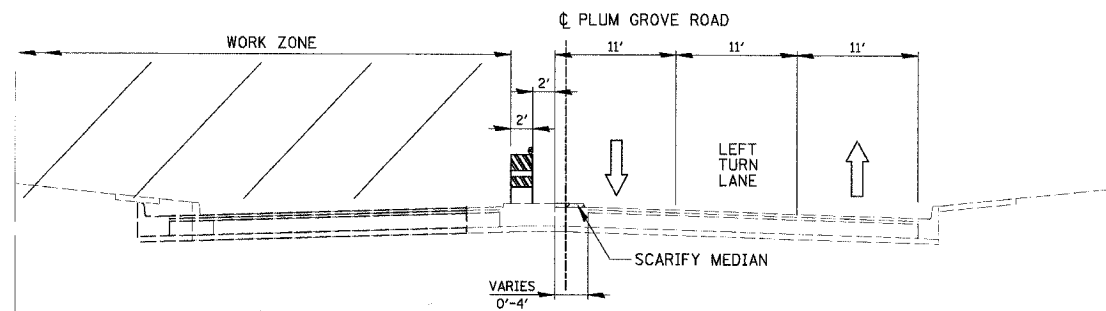
STAGE I MAINTENANCE OF TRAFFIC - PLUM GROVE ROAD

STA. 300+00 TO STA. 304+00



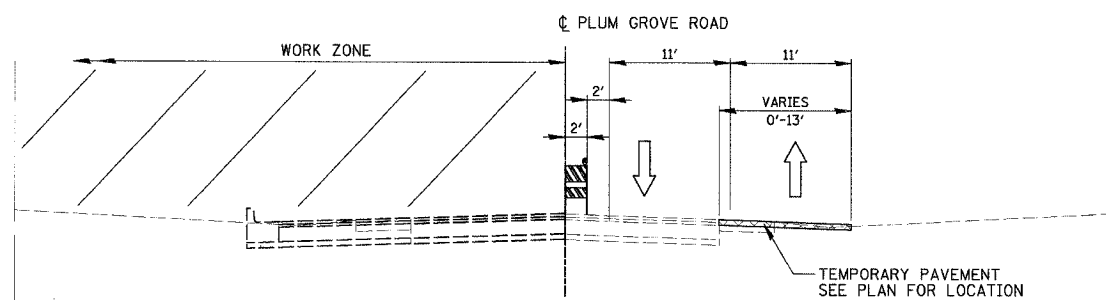
STAGE I MAINTENANCE OF TRAFFIC - PLUM GROVE ROAD

STA. 304+00 TO STA. 310+80



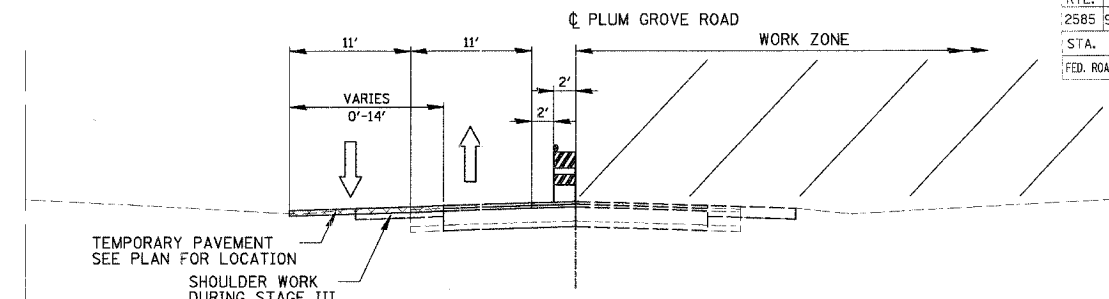
STAGE I MAINTENANCE OF TRAFFIC - PLUM GROVE ROAD

STA. 312+00 TO STA. 317+00



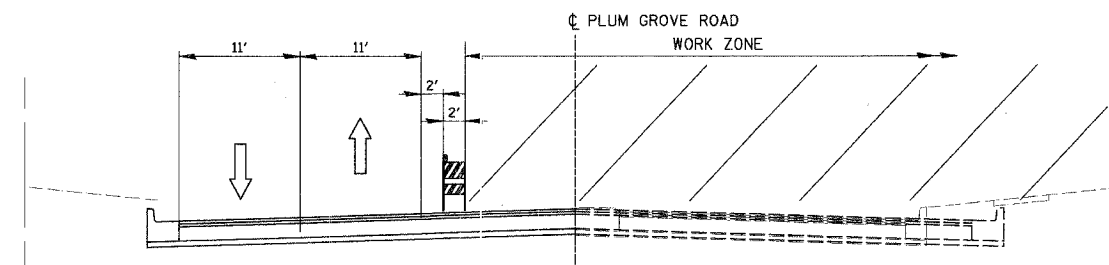
STAGE I MAINTENANCE OF TRAFFIC - PLUM GROVE ROAD

STA. 325+00 TO STA. 330+24



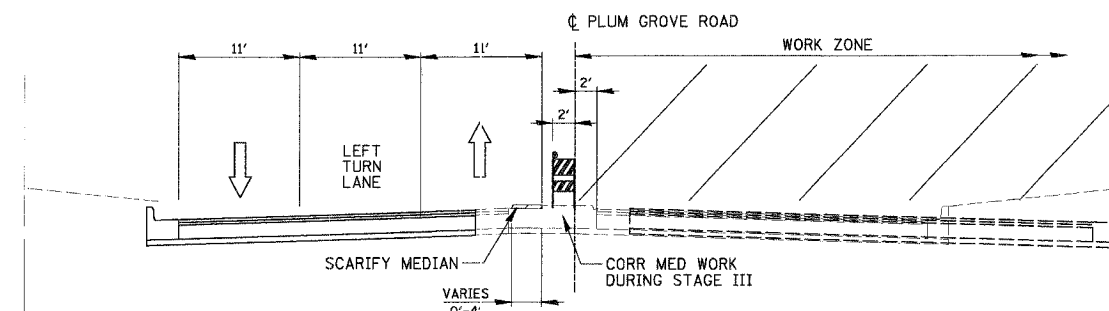
STAGE II MAINTENANCE OF TRAFFIC - PLUM GROVE ROAD

STA. 300+00 TO STA. 304+00



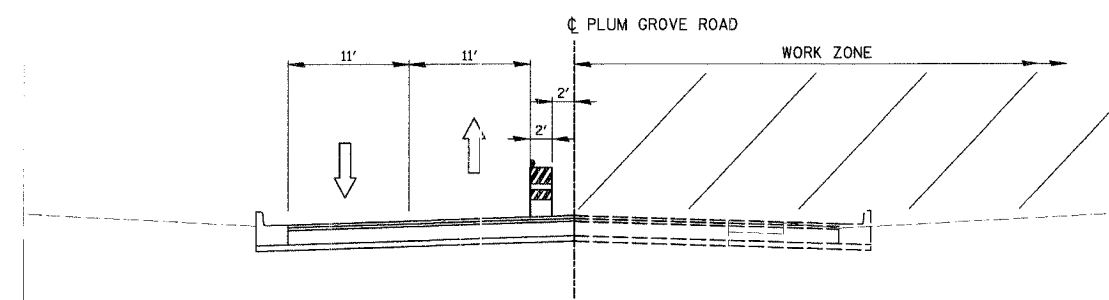
STAGE II MAINTENANCE OF TRAFFIC - PLUM GROVE ROAD

STA. 304+00 TO STA. 310+80



STAGE II MAINTENANCE OF TRAFFIC - PLUM GROVE ROAD

STA. 312+00 TO STA. 317+00



STAGE II MAINTENANCE OF TRAFFIC - PLUM GROVE ROAD

STA. 325+00 TO STA. 330+24

LEGEND:

- ① TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
- ③ PAVEMENT MARKING TAPE, TYPE III 4" (WHITE)
- ④ PAVEMENT MARKING TAPE, TYPE III 4" (YELLOW 2' DASK - 6' SKIP)

NOTE:

THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS WHICH CONFLICT. THIS WORK SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS**

SCALE: NTS
 DATE: 6/8/2006

DRAWN BY: PMM
 CHECKED BY: MCW

DATE	
BY	
REVISIONS	
PLAN	
NOTE BOOK	
NO.	

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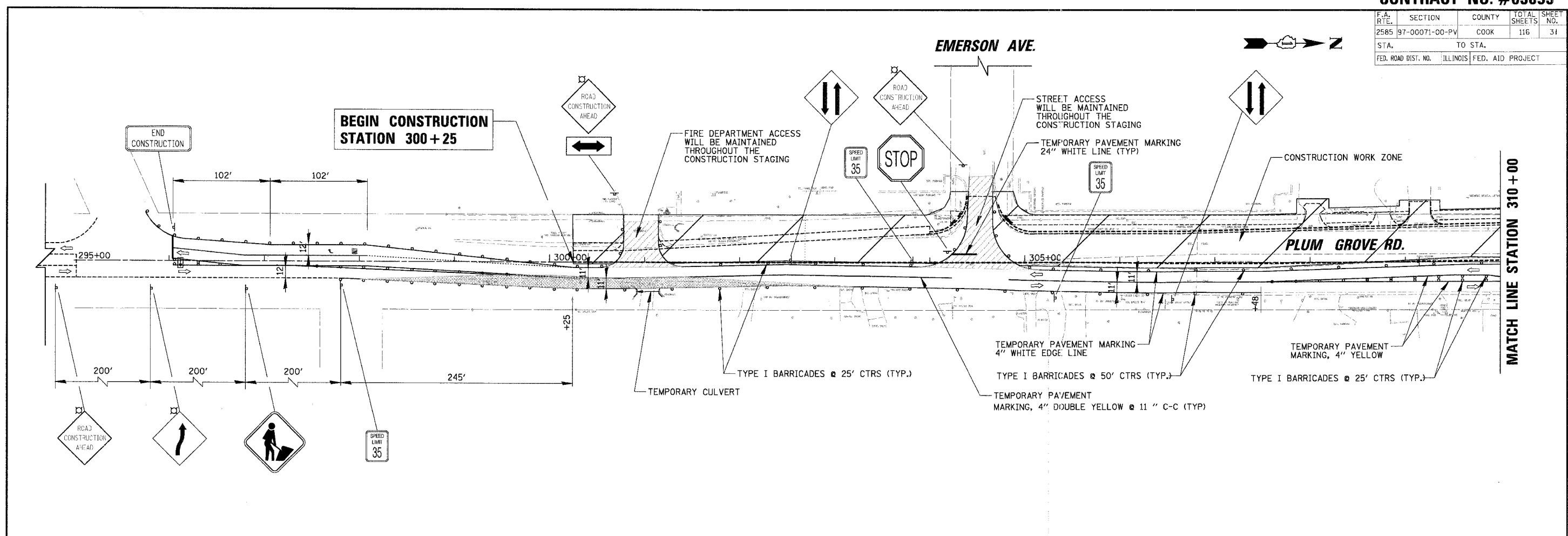
DATE	
BY	
REVISIONS	
PROFILE	
NOTE BOOK	
NO.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY
DATE	BY
DATE	BY

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DATE	BY
DATE	BY
DATE	BY



Maintenance of Construction Notes

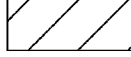









Pre-Stage 1 MOT:
 Close median side through lanes between Kirchoff Rd. and Euclid Ave.
 Maintain SB left turn lane @ Kirchoff Rd. In closed through lane.
 Maintain NB left turn lane @ Dupont Rd. In existing location.
 Convert WB thru/right lane on Kirchoff Rd. to a through only lane eliminating the dual right turn movement. Maintain a single right turn lane.
 Shift traffic away from NB shoulder at the south north ends of the project (temporary lane closures or flagging operation).

Pre-Stage 1 Construction:
 Install temporary traffic signals at Kirchoff Rd./Dupont Ave./PlumGrove Rd. and Euclid Ave./Plum Grove Rd.
 Remove barrier median between Kirchoff Rd. and Euclid Ave. where it interferes with Stage 1 traffic.
 Construct temporary pavement where the barrier median was removed.
 Construct temporary pavement on the west side of Plum Grove Road at the south and north ends of the project as shown in the Stage 1 MOT plan.
 Install Stage 1 traffic control devices.
 Switch traffic over to Stage 1 configuration.

Stage 1 MOT:
 Maintain one through lane in each direction and left turn lanes at Kirchoff Rd. and Euclid Ave. on the east side of Plum Grove Rd.
 Close Dupont Ave.
 Close the northern-most WB lane on Kirchoff Road.
 Close the outer-most through lanes on Euclid Avenue.

Stage 1 Construction:
 Construct the proposed SB lanes and appurtenances along Plum Grove Rd.
 Construct temporary pavement between Kirchoff Rd. and Euclid Ave. as shown in the Stage 2 MOT plan.
 Construct the proposed Dupont Ave.
 Construct the proposed widening and appurtenances on the north side of Kirchoff Rd.
 Construct the proposed widening and appurtenances on the both sides of Euclid Ave.
 Switch traffic over to Stage 2 configuration.

LEGEND

-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT
-  DRUM OR BARRICADE (TYPE I)
50' CTRS (TYP.) - 25' CTRS IN TAPERS, CURVES AND RADII
-  TYPE III BARRICADE
-  ARROW BOARD
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  SIGN WITH 18"x18" ORANGE FLAG ATTACHED
-  DIRECTION OF TRAFFIC FLOW
-  FLASHING LIGHT
-  VERTICAL PANELS

REVISIONS	
NAME	DATE

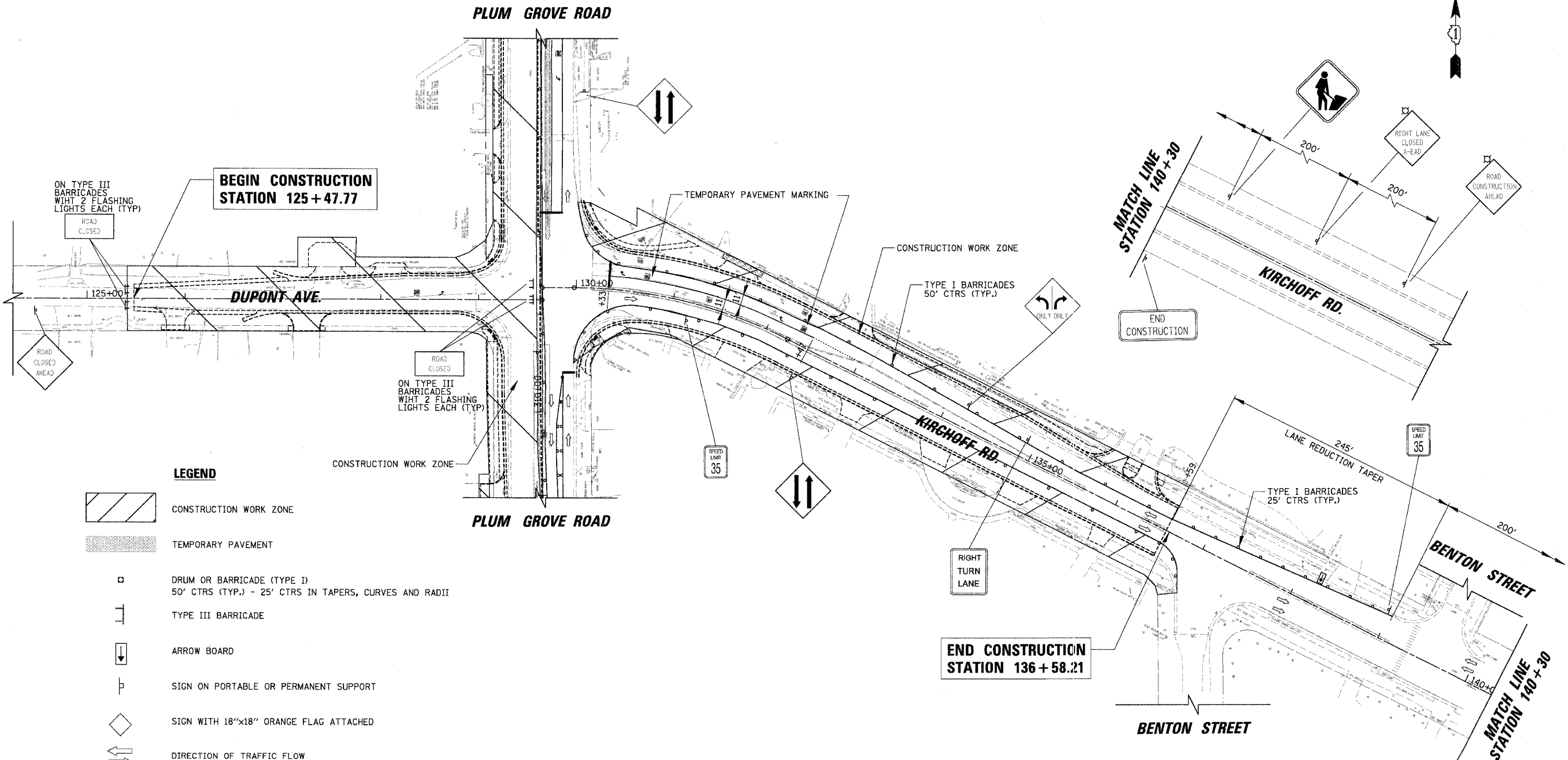
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLUM GROVE ROAD
MAINTENANCE OF TRAFFIC
STAGE I
STATION 300+25 TO STATION 310+00
 SCALE: 50'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

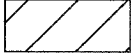









PLAN	DATE
BY	
CHECKED	
DATE	
NO. OF SHEETS	
NO. OF THIS SHEET	
NO. OF THIS SHEET	
NO. OF THIS SHEET	

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PROFILE	DATE
BY	
CHECKED	
DATE	
NO. OF SHEETS	
NO. OF THIS SHEET	
NO. OF THIS SHEET	
NO. OF THIS SHEET	



LEGEND

-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT
-  DRUM OR BARRICADE (TYPE I) 50' CTRS (TYP.) - 25' CTRS IN TAPERS, CURVES AND RADII
-  TYPE III BARRICADE
-  ARROW BOARD
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  SIGN WITH 18"x18" ORANGE FLAG ATTACHED
-  DIRECTION OF TRAFFIC FLOW
-  FLASHING LIGHT
-  VERTICAL PANELS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DUPONT AVENUE AND
 KIRCHOFF ROAD
 MAINTENANCE OF TRAFFIC
 STAGE I**

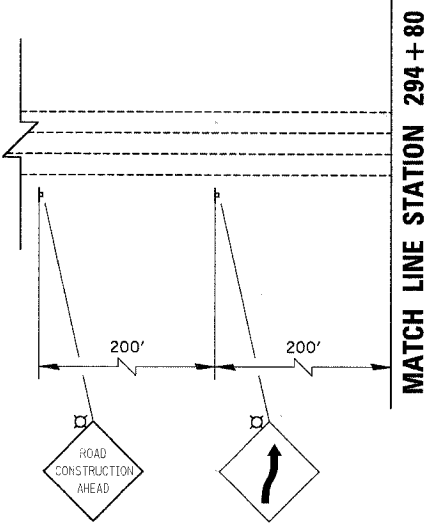
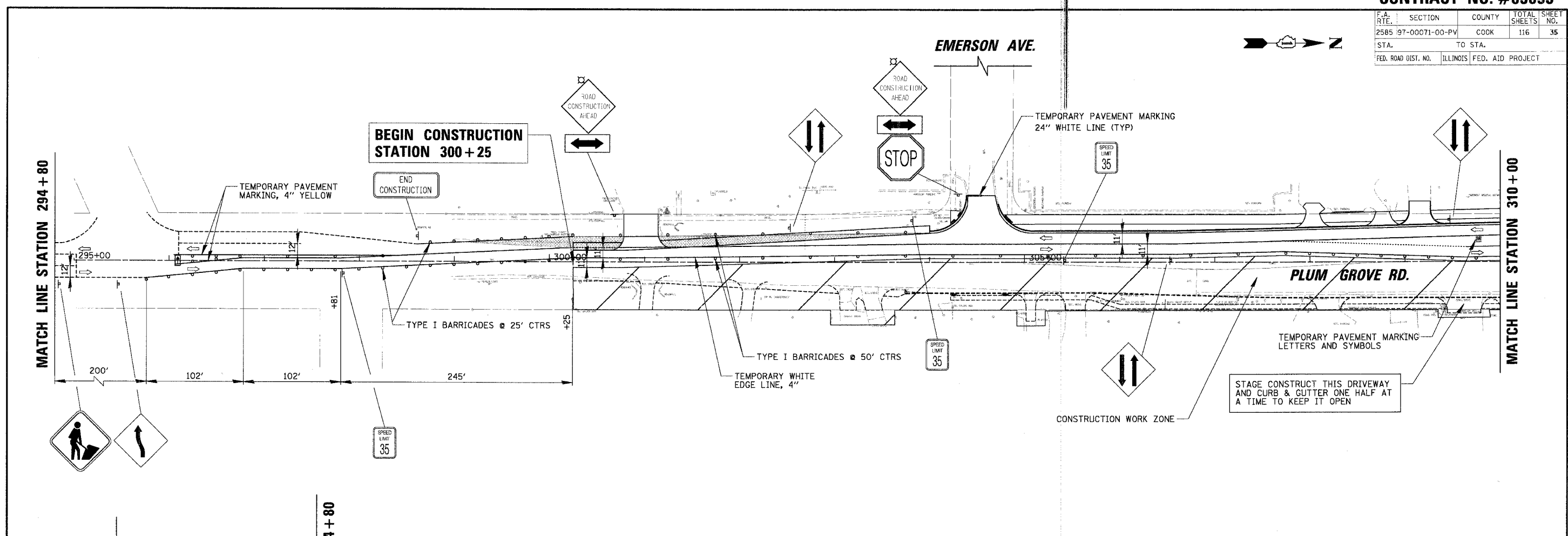
SCALE: 50'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

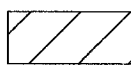









DATE	BY
DATE	BY
DATE	BY
DATE	BY

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 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY
DATE	BY
DATE	BY



LEGEND

-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT
-  DRUM OR BARRICADE (TYPE I)
50' CTRS (TYP.) - 25' CTRS IN TAPERS, CURVES AND RADII
-  TYPE III BARRICADE
-  ARROW BOARD
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  SIGN WITH 18"x18" ORANGE FLAG ATTACHED
-  DIRECTION OF TRAFFIC FLOW
-  FLASHING LIGHT
-  VERTICAL PANELS

Maintenance of Construction Notes

Stage 2 MOT:
 Maintain one through lane in each direction and left turn lanes at Kirchoff Rd. and Euclid Ave. on the newly constructed west side of Plum Grove Rd. Install proposed permanent pavement markings. Close the through lanes adjacent to the median on Kirchoff Road. Maintain 1 through lane in each direction and a left turn lane at Plum Grove Road. Maintain the proposed permanent lane configurations on the newly constructed Dupont Ave. Close the through lanes adjacent to the median on Euclid Avenue. Maintain 1 through lane in each direction and left turn lanes at Plum Grove Road.

Stage 2 Construction:
 Construct the proposed NB lanes and appurtenances along Plum Grove Rd. Construct the proposed median and adjacent pavement on Kirchoff Rd. Construct the proposed median and adjacent pavement of Euclid Ave. Switch traffic over to Stage 3 configuration

REVISIONS	
NAME	DATE

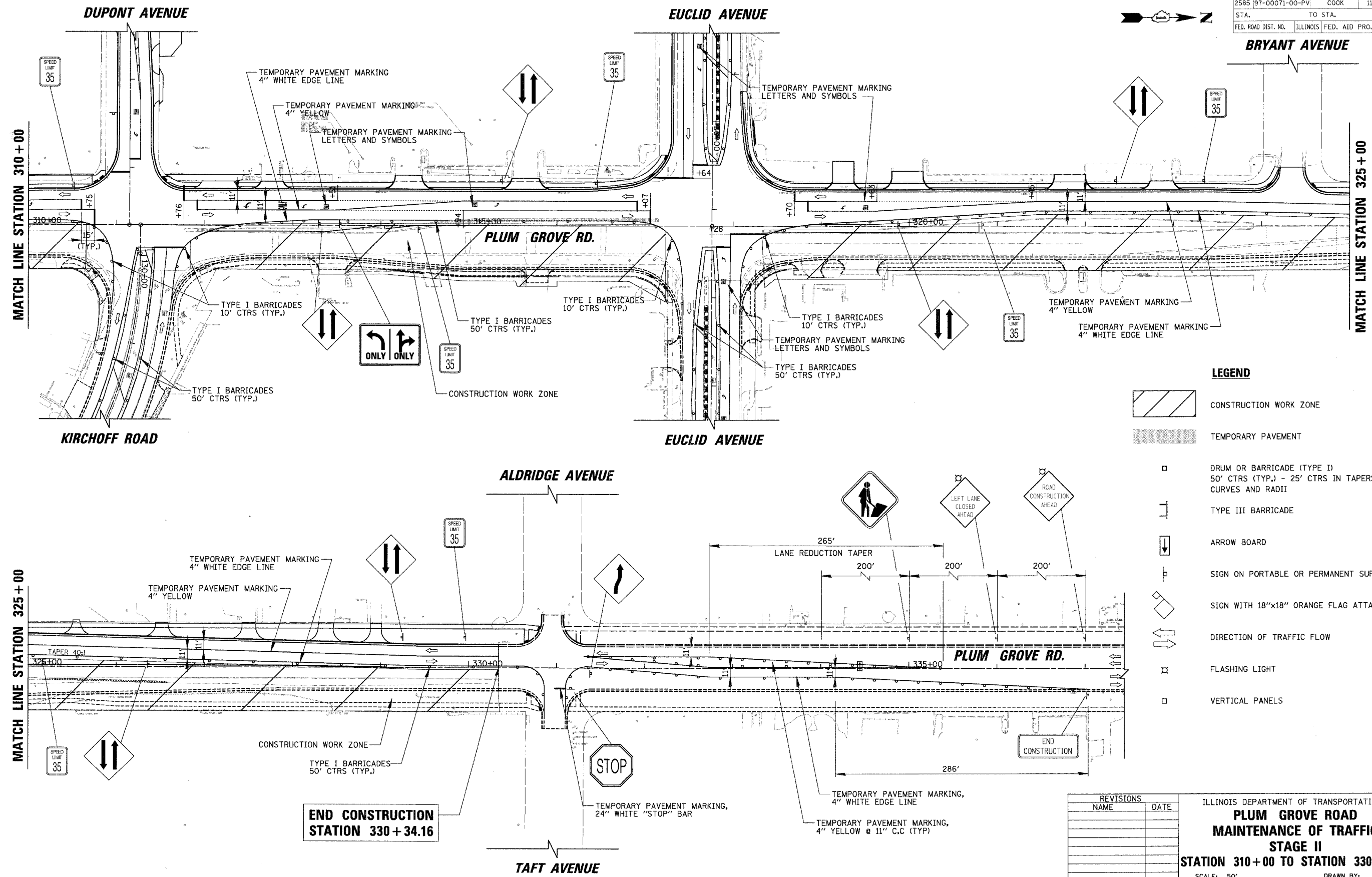
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLUM GROVE ROAD
MAINTENANCE OF TRAFFIC
STAGE II
STATION 300+25 TO STATION 310+00
 SCALE: 50'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
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DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY
DATE	BY



LEGEND

	CONSTRUCTION WORK ZONE
	TEMPORARY PAVEMENT
	DRUM OR BARRICADE (TYPE I) 50' CTRS (TYP.) - 25' CTRS IN TAPERS, CURVES AND RADII
	TYPE III BARRICADE
	ARROW BOARD
	SIGN ON PORTABLE OR PERMANENT SUPPORT
	SIGN WITH 18"x18" ORANGE FLAG ATTACHED
	DIRECTION OF TRAFFIC FLOW
	FLASHING LIGHT
	VERTICAL PANELS

REVISIONS	
NAME	DATE

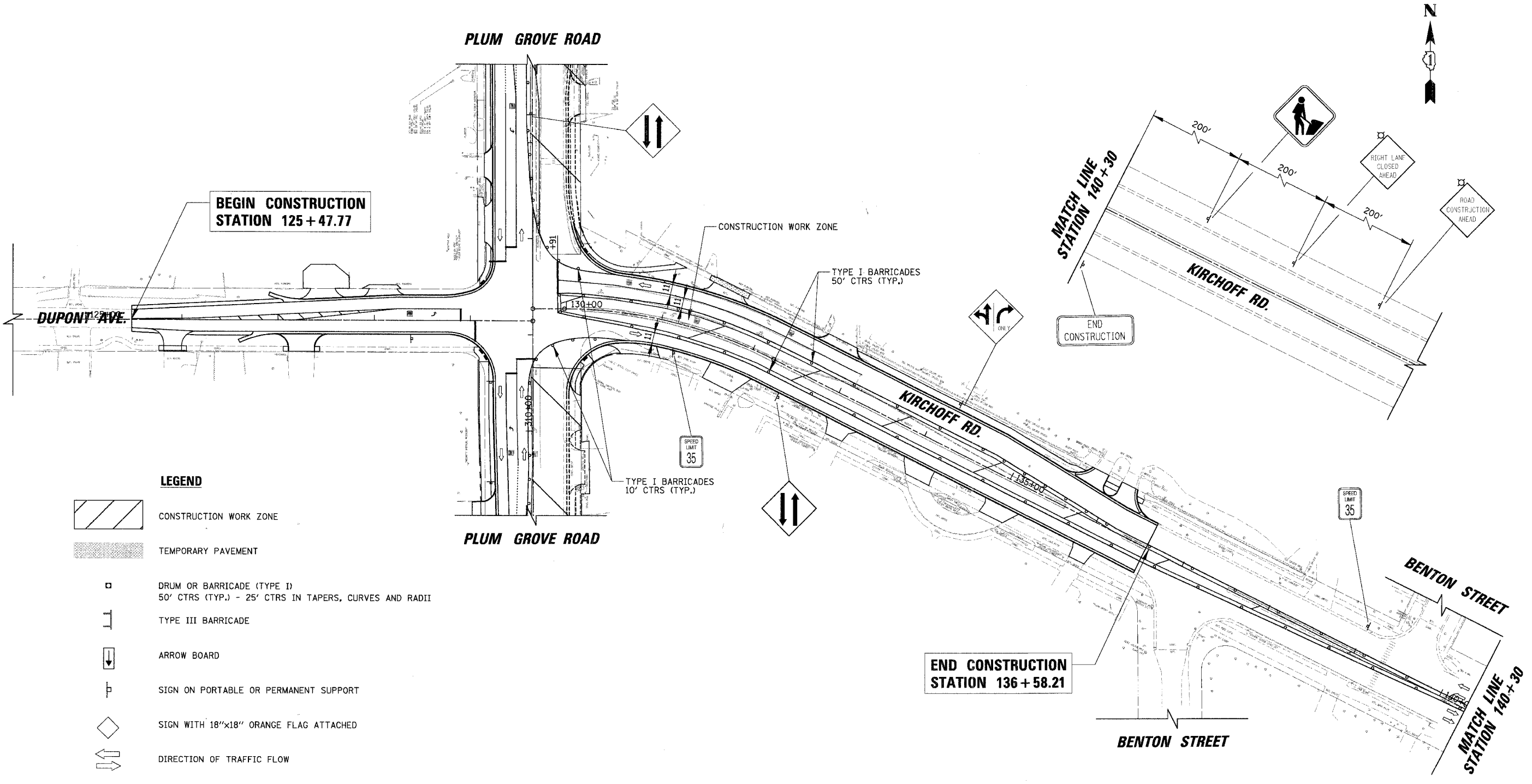
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLUM GROVE ROAD
MAINTENANCE OF TRAFFIC
STAGE II
STATION 310+00 TO STATION 330+34.16
 SCALE: 50'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
DATE	BY

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 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY



- LEGEND**
- CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT
 - DRUM OR BARRICADE (TYPE I) 50' CTRS (TYP.) - 25' CTRS IN TAPERS, CURVES AND RADII
 - TYPE III BARRICADE
 - ARROW BOARD
 - SIGN ON PORTABLE OR PERMANENT SUPPORT
 - SIGN WITH 18"x18" ORANGE FLAG ATTACHED
 - DIRECTION OF TRAFFIC FLOW
 - FLASHING LIGHT
 - VERTICAL PANELS

END CONSTRUCTION
 STATION 136 + 58.21

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DUPONT AVENUE AND
 KIRCHOFF ROAD
 MAINTENANCE OF TRAFFIC
 STAGE II**

SCALE: 50'
 DATE: 6/8/2006

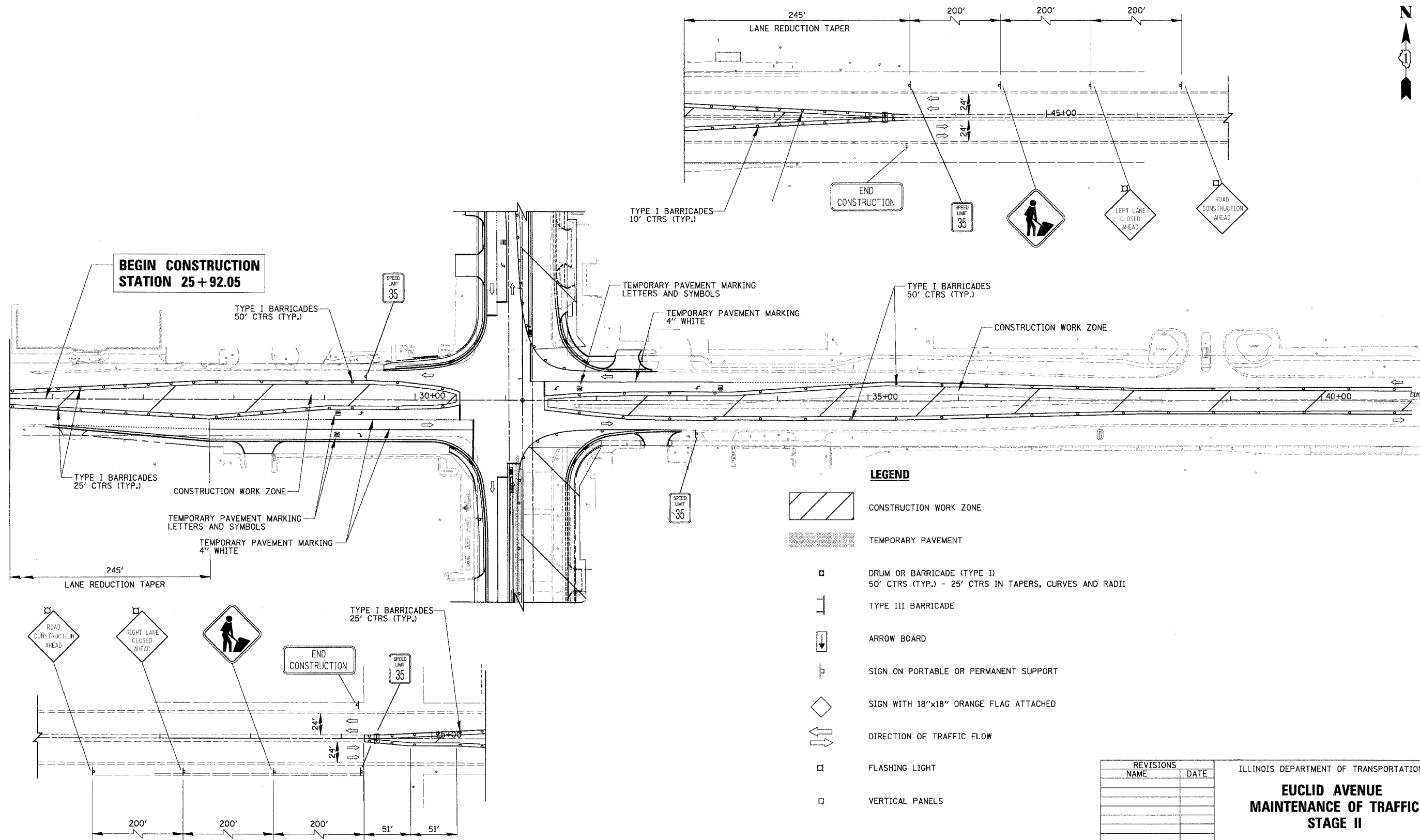
DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY
DATE	BY
DATE	BY

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 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY
DATE	BY



LEGEND

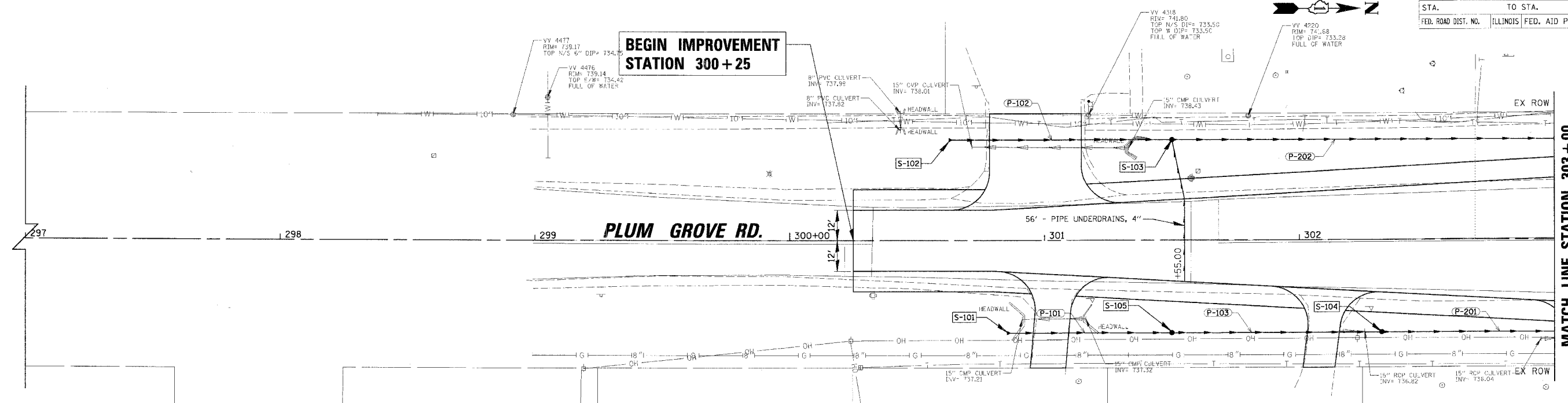
- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT
- DRUM OR BARRICADE (TYPE I) 50' CTRS (TYP.) - 25' CTRS IN TAPERS, CURVES AND RADII
- TYPE III BARRICADE
- ARROW BOARD
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- SIGN WITH 18"x18" ORANGE FLAG ATTACHED
- DIRECTION OF TRAFFIC FLOW
- FLASHING LIGHT
- VERTICAL PANELS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EUCLID AVENUE
 MAINTENANCE OF TRAFFIC
 STAGE II**
 SCALE: 50'
 DATE: 1/5/2007
 DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	41
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**BEGIN IMPROVEMENT
STATION 300+25**



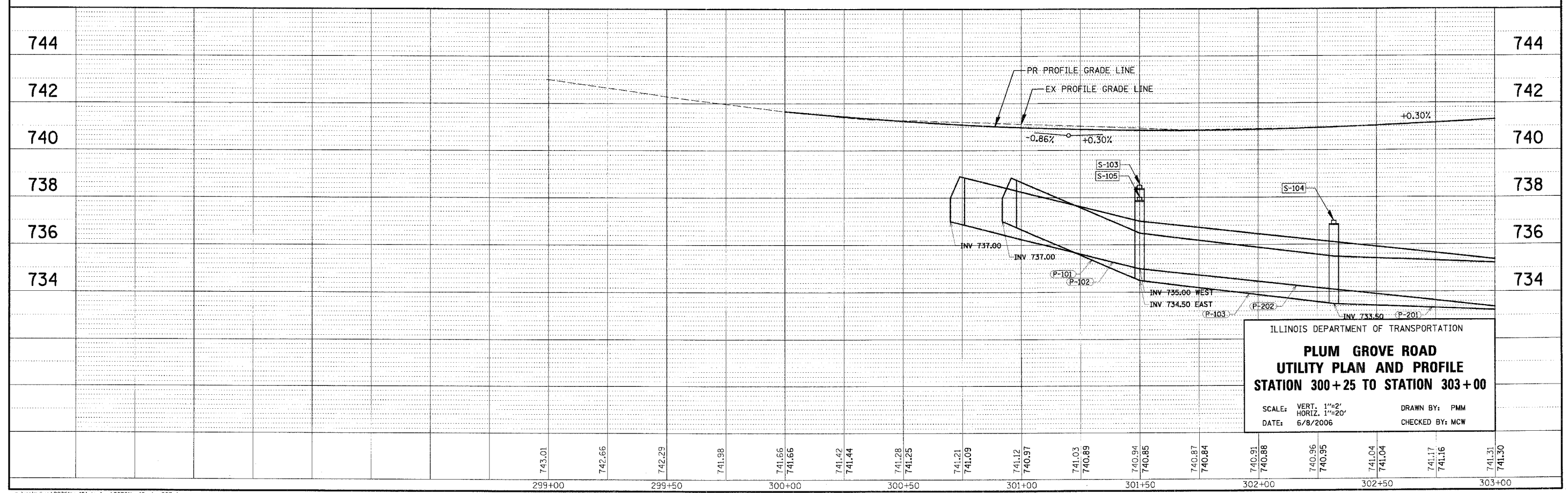
STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S
S-101	300+92	36.25' RT	PRC FLAR END SEC 24	24			737.00
S-102	300+70	39.60' LT	PRC FLAR END SEC 24	24			737.00
S-103	301+50	39.58' LT	CB TA 4 DIA T8G	4	738.50	735.00	735.00
S-104	302+32	36.14' RT	CB TA 4 DIA T8G	4	737.00	735.20	733.50
S-105	301+50	36.25' RT	CB TA 4 DIA T8G	4	738.00	734.50	734.50

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	T&B
P-101	S-101	S-105	RCP	2	58	24	737.00	734.50	4.31	10.00
P-102	S-102	S-103	RCP	2	86	24	737.00	735.00	2.50	10.00
P-103	S-105	S-104	RCP	2	82	24	734.50	733.50	1.22	12.29

PLAN
DATE: _____ BY: _____
REVISIONS:
NO. DESCRIPTION
1. PLUM GROVE ROAD UTILITY PLAN AND PROFILE
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Rosemont, Illinois 60018
(847) 823-0500

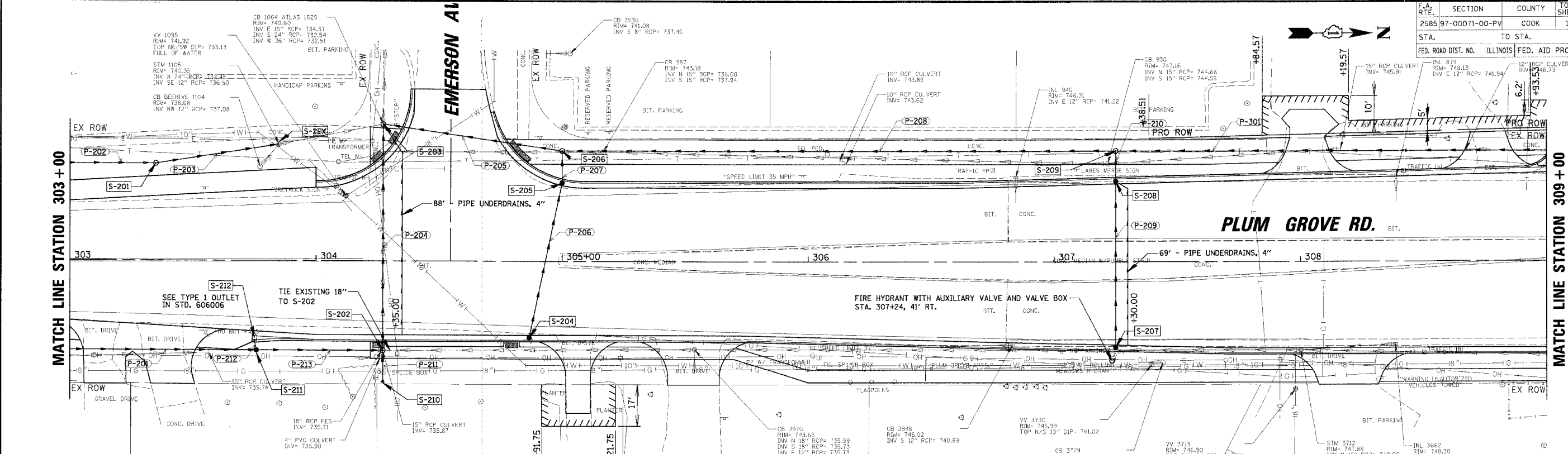
PROFILE
DATE: _____ BY: _____
REVISIONS:
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ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
UTILITY PLAN AND PROFILE
STATION 300+25 TO STATION 303+00**
SCALE: VERT. 1"=2'
HORIZ. 1"=20'
DATE: 6/8/2006
DRAWN BY: PMM
CHECKED BY: MCW

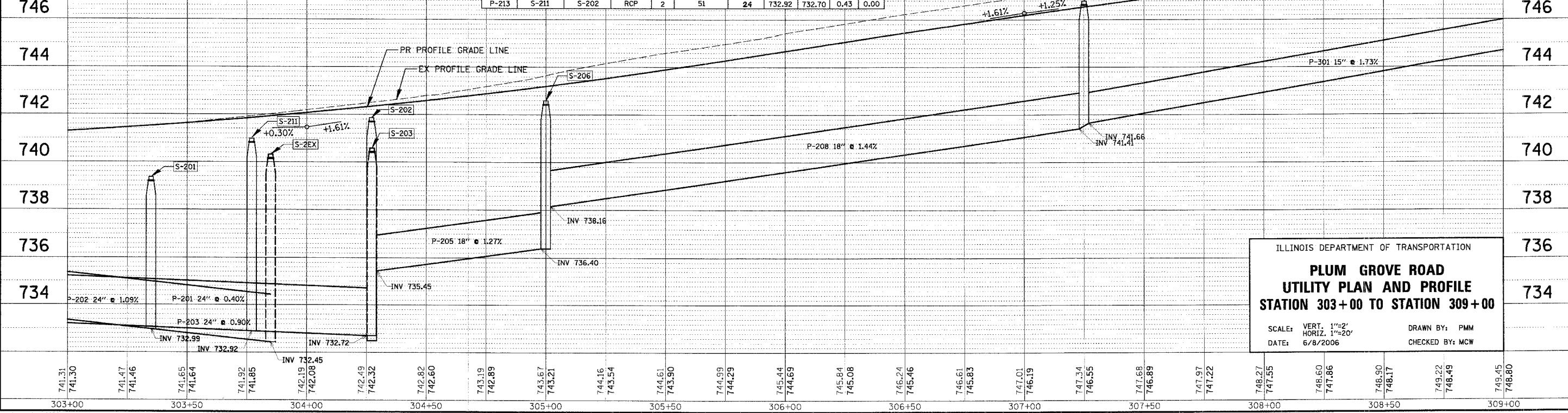
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299+00		299+50		300+00		300+50		301+00		301+50		302+00		302+50		303+00													

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	42
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S	E	W
S-201	303+35	39.60' LT	CB TA 4 DIA T8G	4	739.70	732.99	732.99		
S-202	304+27	36.25' RT	MAN TA 4 DIA T1F CL	4	741.87	732.70	732.70	737.20	732.70
S-203	304+27	55.57' LT	CB TA 5 DIA T8G	5	740.60	735.45	732.54	732.55	732.51
S-204	304+87	31.00' RT	CB TC T24F&G	2	742.60				739.10
S-205	305+00	32.00' LT	CB TC T24F&G	2	742.73				738.50
S-206	305+00	45.00' LT	MAN TA 5 DIA T1F CL	5	742.60	738.16	736.40	738.36	
S-207	307+25	34.80' RT	CB TC T24F&G	2	746.07				742.69
S-208	307+25	32.60' RT	CB TC T24F&G	2	746.07				742.03
S-209	307+25	45.00' LT	MAN TA 4 DIA T1F CL	4	746.80	741.65	741.41	741.91	
S-210	304+27	49.00' RT	PRC FLAR END SEC 12	1	738.51				738.51
S-211	303+76	36.25' RT	CB TA 4 DIA T8G	4	738.32	732.92	732.92		734.92
S-212	303+75	31.35' RT	GUTTER OUTLET (SPL)	-	741.24				739.57
S-2EX	303+85	47.43' LT	EXISTING MH	-	740.35	(732.45)	732.45		

PIPE NO.	STRUCTURE	FROM	TO	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-201	S-104	S-211	RCP	2	144		24	733.50	732.92	0.40	93.50
P-202	S-103	S-201	RCP	2	185		24	735.00	732.99	1.09	0.00
P-203	S-201	S-2EX	RCP	2	50		24	732.99	732.54	0.90	0.00
P-204	S-202	S-203	RCP	2	93		24	732.7	732.55	0.17	118.00
P-205	S-206	S-203	RCP	2	75		18	736.40	735.45	1.27	131.00
P-206	S-204	S-205	RCP	2	62		12	739.10	738.50	1.00	18.50
P-207	S-205	S-206	RCP	2	14		12	738.50	738.36	1.00	7.50
P-208	S-209	S-206	RCP	2	225		18	741.41	738.16	1.44	143.00
P-209	S-207	S-208	RCP	2	66		12	742.69	742.03	1.00	17.50
P-210	S-208	S-209	RCP	2	12		12	742.03	741.91	1.00	6.50
P-211	S-210	S-202	RCP	1	5		12	738.51	737.20	2.62	1
P-212	S-212	S-211	RCP	1	4		12	739.57	734.92	116	0.00
P-213	S-211	S-202	RCP	2	51		24	732.92	732.70	0.43	0.00



ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 UTILITY PLAN AND PROFILE
 STATION 303+00 TO STATION 309+00**
 SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

DATE: _____ BY: _____
 PLAN: _____
 NOTED: _____
 NO. _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
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 Rosemont, Illinois 60018
 (847) 823-0500

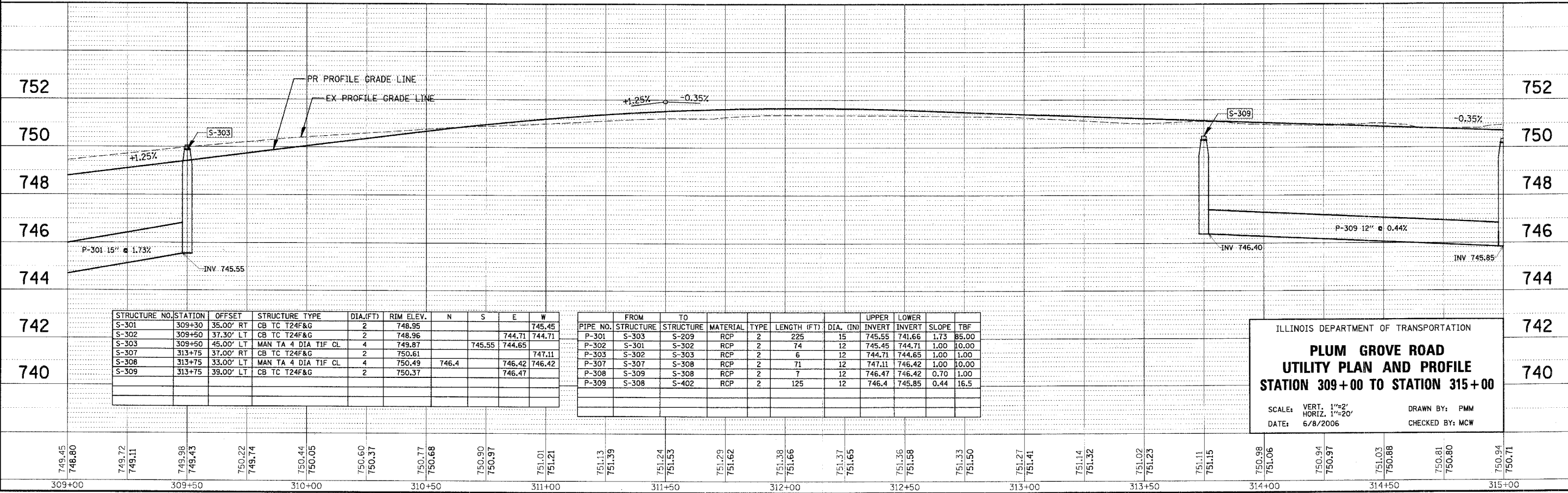
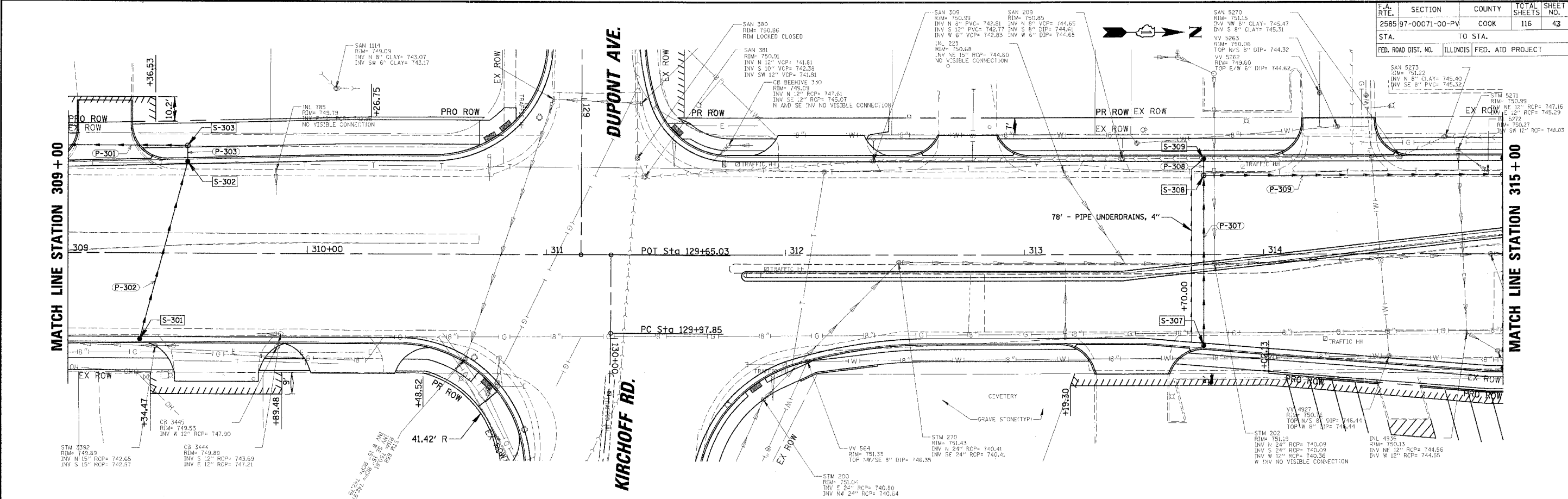
DATE: _____ BY: _____
 PROFILE: _____
 NOTED: _____
 NO. _____

F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	43
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISIONS

CHRISTOPHER B. BURKE ENGINEERING LTD.
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 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY	REVISIONS

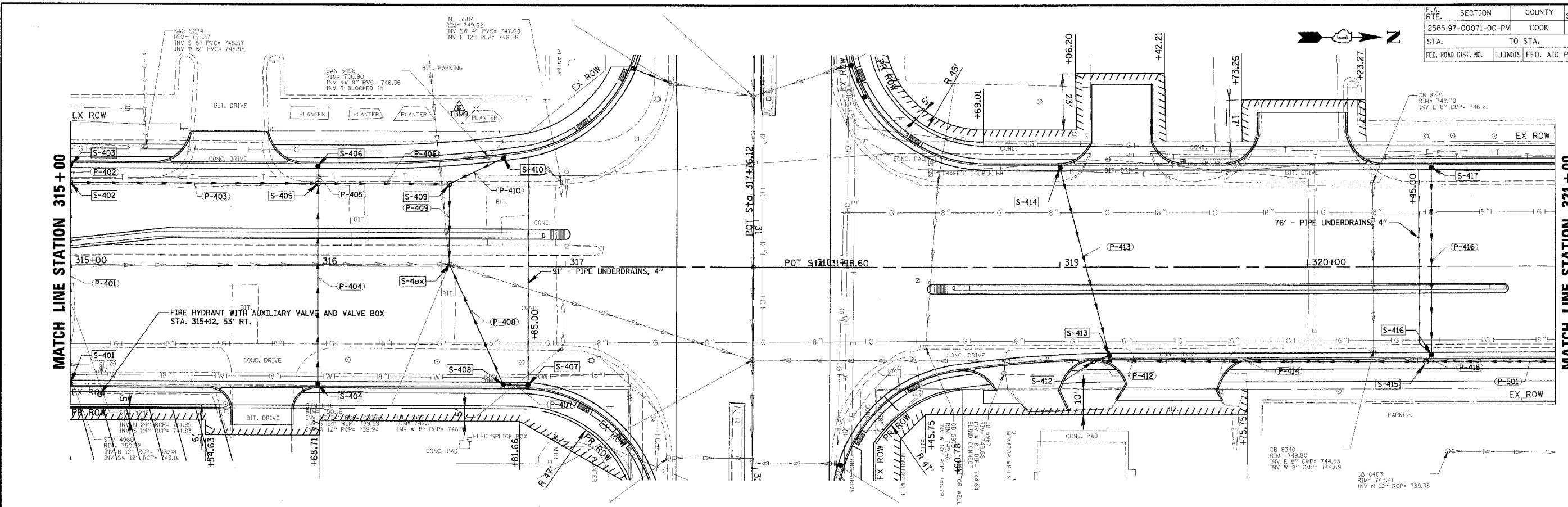


STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S	E	W
S-301	309+30	35.00' RT	CB TC T24F&G	2	748.95				745.45
S-302	309+50	37.30' LT	CB TC T24F&G	2	748.96			744.71	744.71
S-303	309+50	45.00' LT	MAN TA 4 DIA TIF CL	4	749.87		745.55	744.65	
S-307	313+75	37.00' RT	CB TC T24F&G	2	750.61				747.11
S-308	313+75	33.00' LT	MAN TA 4 DIA TIF CL	4	750.49	746.4		746.42	746.42
S-309	313+75	39.00' LT	CB TC T24F&G	2	750.37			746.47	

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-301	S-303	S-209	RCP	2	225	15	745.55	741.66	1.73	85.00
P-302	S-301	S-302	RCP	2	74	12	745.45	744.71	1.00	10.00
P-303	S-302	S-303	RCP	2	6	12	744.71	744.65	1.00	1.00
P-307	S-307	S-308	RCP	2	71	12	747.11	746.42	1.00	10.00
P-308	S-309	S-308	RCP	2	7	12	746.47	746.42	0.70	1.00
P-309	S-308	S-402	RCP	2	125	12	746.4	745.85	0.44	16.5

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 UTILITY PLAN AND PROFILE
 STATION 309+00 TO STATION 315+00**
 SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

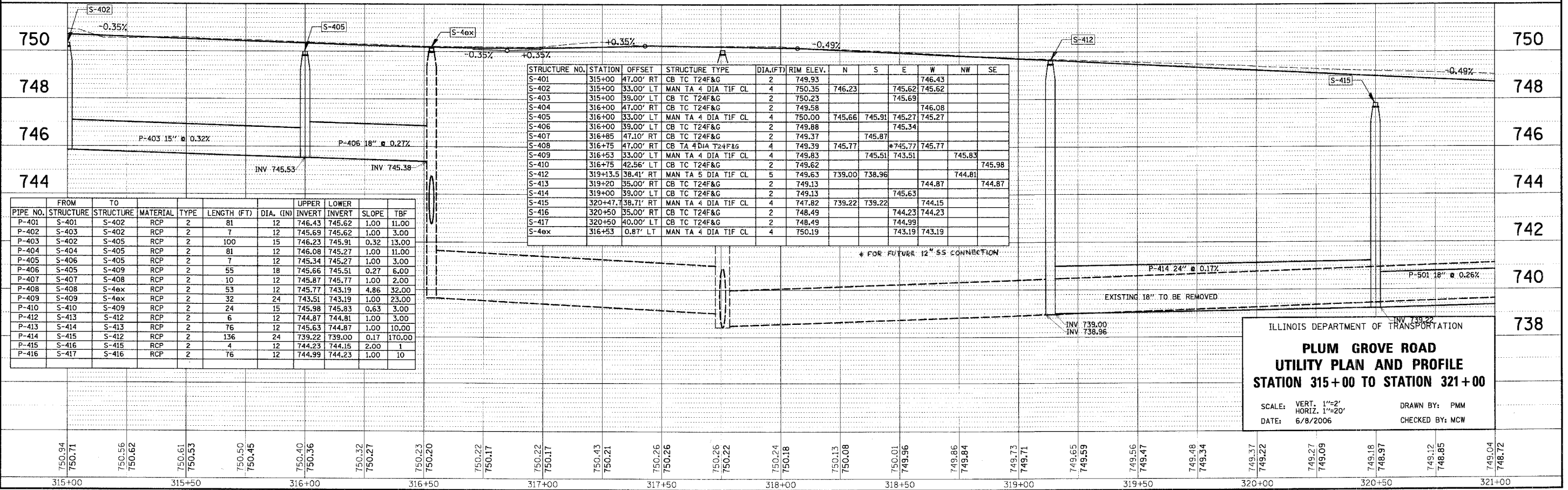
F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	44
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



DATE: _____ BY: _____
 PLAN NUMBER: _____
 NOTE BOOK: _____
 NO. _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE: _____ BY: _____
 PROFILE NUMBER: _____
 NOTE BOOK: _____
 NO. _____



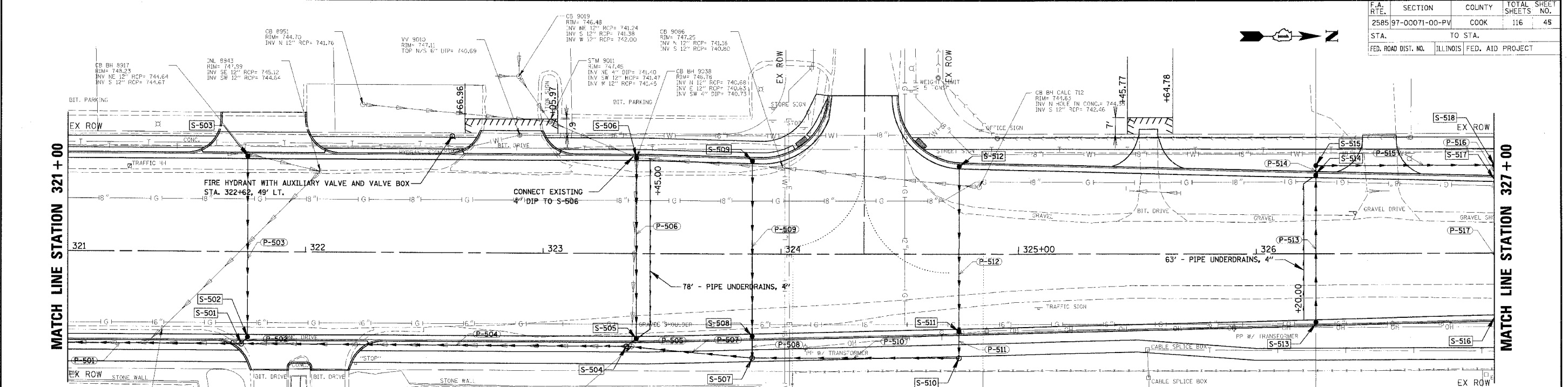
STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S	E	W	NW	SE
S-401	315+00	47.00' RT	CB TC T24F&G	2	749.93				746.43		
S-402	315+00	33.00' LT	MAN TA 4 DIA TIF CL	4	750.35	746.23		745.62	745.62		
S-403	315+00	39.00' LT	CB TC T24F&G	2	750.23			745.69			
S-404	316+00	47.00' RT	CB TC T24F&G	2	749.58				746.08		
S-405	316+00	33.00' LT	MAN TA 4 DIA TIF CL	4	750.00	745.66	745.91	745.27	745.27		
S-406	316+00	39.00' LT	CB TC T24F&G	2	749.88			745.34			
S-407	316+85	47.10' RT	CB TC T24F&G	2	749.37		745.87				
S-408	316+75	47.00' RT	CB TA 4 DIA T24F&G	4	749.39	745.77	*745.77	745.77			
S-409	316+53	33.00' LT	MAN TA 4 DIA TIF CL	4	749.83		745.51	743.51		745.83	
S-410	316+75	42.56' LT	CB TC T24F&G	2	749.52						745.98
S-412	319+13.5	38.41' RT	MAN TA 5 DIA TIF CL	5	749.63	739.00	738.96		744.81	744.81	
S-413	319+20	35.00' RT	CB TC T24F&G	2	749.13				744.87		744.87
S-414	319+00	39.00' LT	CB TC T24F&G	2	749.13			745.63			
S-415	320+47.7	38.71' RT	MAN TA 4 DIA TIF CL	4	747.82	739.22	739.22	744.15			
S-416	320+50	35.00' RT	CB TC T24F&G	2	748.49			744.23	744.23		
S-417	320+50	40.00' LT	CB TC T24F&G	2	748.49			744.99			
S-4ex	316+53	0.87' LT	MAN TA 4 DIA TIF CL	4	750.19			743.19	743.19		

PIPE NO.	FROM	TO	STRUCTURE	STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-401	S-401	S-402	RCP	2			746.43	745.62	1.00	11.00		
P-402	S-403	S-402	RCP	2			746.23	745.62	1.00	3.00		
P-403	S-404	S-405	RCP	2			746.23	745.91	0.32	13.00		
P-404	S-404	S-405	RCP	2			746.08	745.27	1.00	11.00		
P-405	S-406	S-405	RCP	2			745.34	745.27	1.00	3.00		
P-406	S-405	S-409	RCP	2			745.66	745.51	0.27	6.00		
P-407	S-407	S-408	RCP	2			745.87	745.77	1.00	2.00		
P-408	S-408	S-4ex	RCP	2			745.77	743.19	4.86	32.00		
P-409	S-409	S-4ex	RCP	2			743.51	743.19	1.00	23.00		
P-410	S-410	S-409	RCP	2			745.98	745.83	0.63	3.00		
P-412	S-413	S-412	RCP	2			744.87	744.81	1.00	3.00		
P-413	S-414	S-413	RCP	2			745.63	744.87	1.00	10.00		
P-414	S-415	S-412	RCP	2			739.22	739.00	0.17	170.00		
P-415	S-416	S-415	RCP	2			744.23	744.15	2.00	1		
P-416	S-417	S-416	RCP	2			744.99	744.23	1.00	10		

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 UTILITY PLAN AND PROFILE
 STATION 315+00 TO STATION 321+00**

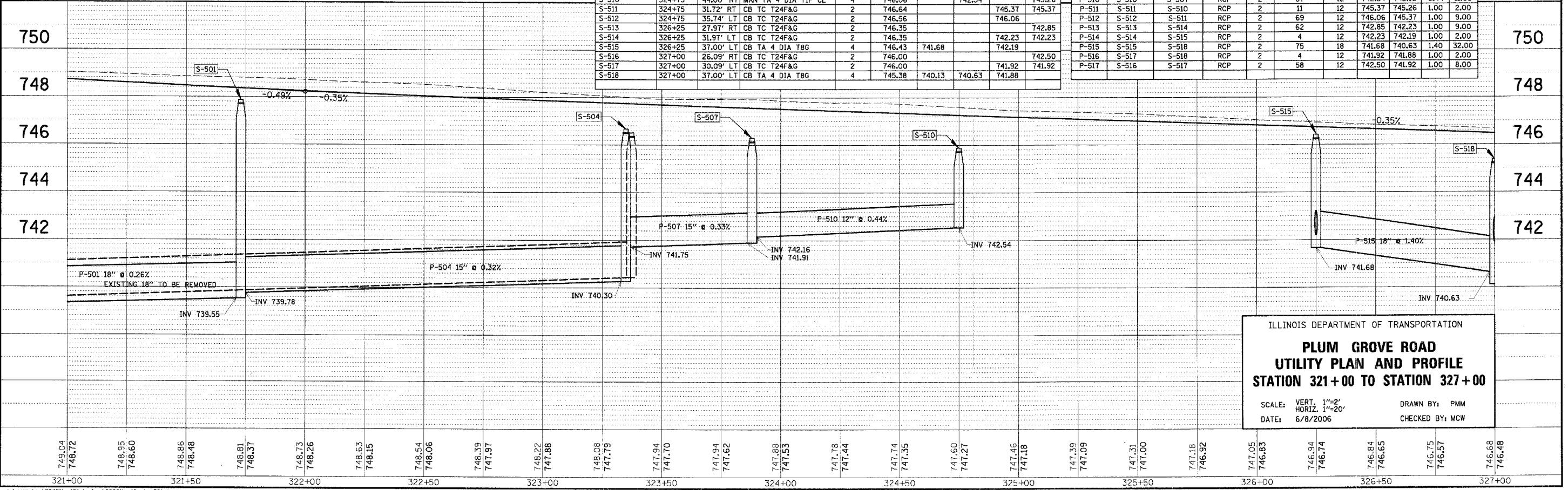
SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585 97-0071-00-PV	COOK	ILLINOIS	116	45
STA.	TO STA.			
FED. ROAD DIST. NO.	FED. AID PROJECT			



STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S	E	W
S-501	321+73	39.00' RT	MAN TA 4 DIA TIF CL	4	747.88	739.78	739.55		743.44
S-502	321+75.6	35.00' RT	CB TC T24F&G	2	747.78			743.52	743.52
S-503	321+75.6	39.00' LT	CB TA 4 DIA T24F&G	2	747.78			744.28	
S-504	323+35	39.28' RT	MAN TA 4 DIA TIF CL	4	746.59	741.75	740.30		743.53
S-505	323+39	35.00' RT	CB TC T24F&G	2	747.04			743.58	743.58
S-506	323+39	39.00' LT	CB TC T24F&G	2	746.96			743.96	
S-507	323+88	44.00' RT	MAN TA 4 DIA TIF CL	4	746.39	742.16	741.91		742.48
S-508	323+88	33.89' RT	CB TC T24F&G	2	746.89			742.57	742.57
S-509	323+88	37.89' LT	CB TC T24F&G	2	746.81			743.31	
S-510	324+75	44.00' RT	MAN TA 4 DIA TIF CL	4	746.06		742.54		745.26
S-511	324+75	31.72' RT	CB TC T24F&G	2	746.64			745.37	745.37
S-512	324+75	35.74' LT	CB TC T24F&G	2	746.56			746.06	
S-513	326+25	27.97' RT	CB TC T24F&G	2	746.35			742.85	
S-514	326+25	31.97' LT	CB TC T24F&G	2	746.35			742.23	742.23
S-515	326+25	37.00' LT	CB TA 4 DIA T8G	4	746.43	741.68		742.19	
S-516	327+00	26.09' RT	CB TC T24F&G	2	746.00			742.50	
S-517	327+00	30.09' LT	CB TC T24F&G	2	746.00			741.92	741.92
S-518	327+00	37.00' LT	CB TA 4 DIA T8G	4	745.38	740.13	740.63		741.88

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-501	S-501	S-415	RCP	2	125	18	739.55	739.22	0.26	125.00
P-502	S-502	S-501	RCP	2	4	12	743.52	743.44	2.00	1.00
P-503	S-503	S-502	RCP	2	76	12	744.28	743.52	1.00	9.00
P-504	S-504	S-501	RCP	2	162	15	740.30	739.78	0.32	104.00
P-505	S-505	S-504	RCP	2	5	12	743.58	743.53	1.00	1.00
P-506	S-506	S-505	RCP	2	76	12	743.96	743.58	0.50	9.00
P-507	S-507	S-504	RCP	2	53	15	741.91	741.75	0.30	15.00
P-508	S-508	S-507	RCP	2	9	12	742.57	742.48	1.00	2.00
P-509	S-509	S-508	RCP	2	74	12	743.31	742.57	1.00	9.00
P-510	S-510	S-507	RCP	2	87	12	742.54	742.16	0.44	11.00
P-511	S-511	S-510	RCP	2	11	12	745.37	745.26	1.00	2.00
P-512	S-512	S-511	RCP	2	69	12	746.06	745.37	1.00	9.00
P-513	S-513	S-514	RCP	2	62	12	742.85	742.23	1.00	9.00
P-514	S-514	S-515	RCP	2	4	12	742.23	742.19	1.00	2.00
P-515	S-515	S-518	RCP	2	75	18	741.68	740.63	1.40	32.00
P-516	S-516	S-518	RCP	2	4	12	741.92	741.88	1.00	2.00
P-517	S-517	S-517	RCP	2	58	12	742.50	741.92	1.00	8.00



ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 UTILITY PLAN AND PROFILE
 STATION 321+00 TO STATION 327+00**
 SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

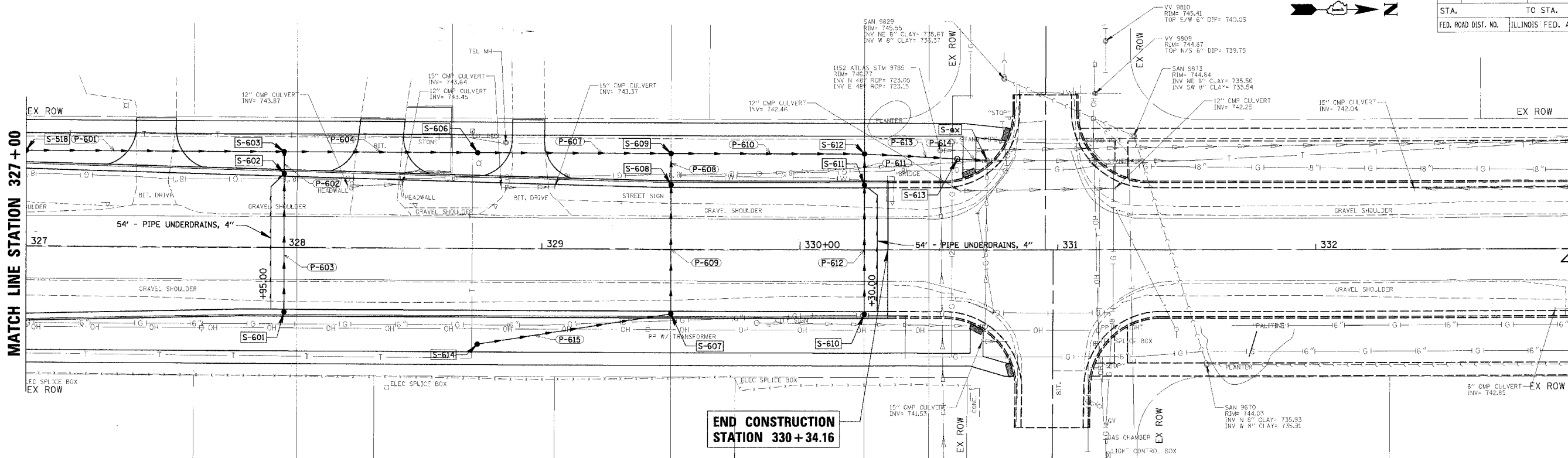
DATE: _____ BY: _____
 PLAN
 DESIGNED: _____
 CHECKED: _____
 IN CHARGE: _____
 NOTE BOOK NO. _____
 CAD FILE NAME: _____

DATE: _____ BY: _____
 PROFILE
 DESIGNED: _____
 CHECKED: _____
 IN CHARGE: _____
 NOTE BOOK NO. _____
 CAD FILE NAME: _____

DATE: _____ BY: _____
 PROFILE
 DESIGNED: _____
 CHECKED: _____
 IN CHARGE: _____
 NOTE BOOK NO. _____
 CAD FILE NAME: _____

DATE: _____ BY: _____
 PROFILE
 DESIGNED: _____
 CHECKED: _____
 IN CHARGE: _____
 NOTE BOOK NO. _____
 CAD FILE NAME: _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585 97-0071-00-PV	COOK	ILLINOIS	116	46
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



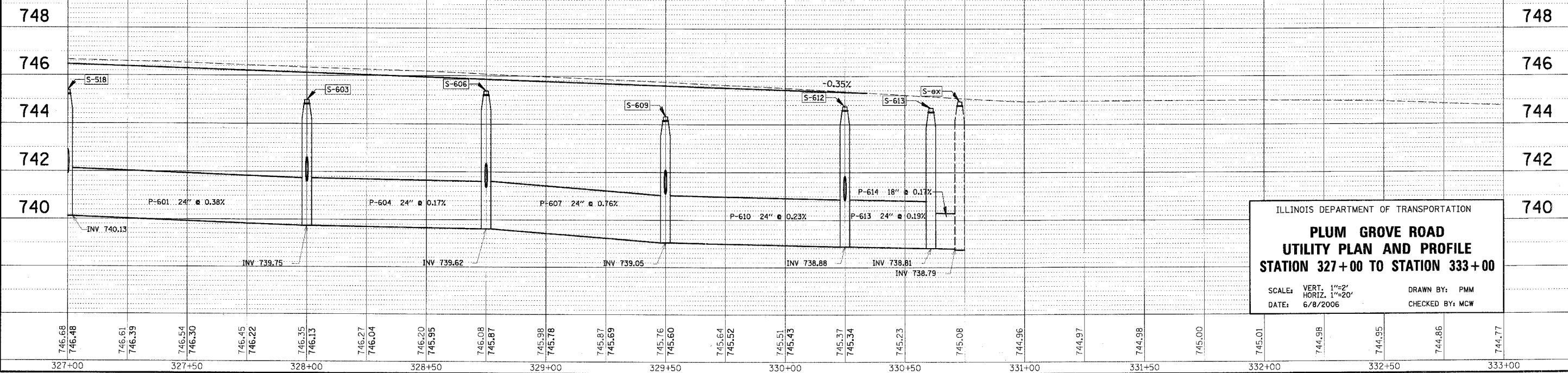
STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S	E	W
S-601	328+00	24.00' RT	CB TC T24F&G	2	745.65				742.15
S-602	328+00	27.59' LT	CB TC T24F&G	2	745.65			741.61	741.61
S-603	328+00	37.00' LT	CB TA 4 DIA T8G	4	745.00	739.75	739.75	741.53	741.53
S-606	328+75	37+00' LT	CB TA 4 DIA T8G	4	745.38	739.62	739.62		
S-607	329+50	24.00' RT	CB TC T24F&G	2	745.12		741.62		741.62
S-608	329+50	24.00' LT	CB TC T24F&G	2	745.12			741.12	741.12
S-609	329+50	37.00' LT	CB TA 4 DIA T8G	4	744.32	739.05	739.05	741.00	
S-610	330+25	24.00' RT	CB TC T24F&G	2	744.86				741.36
S-611	330+25	24.00' LT	CB TC T24F&G	2	744.86			740.86	740.86
S-612	330+25	37.00' LT	CB TA 4 DIA T8G	4	744.75	738.88	738.88	740.74	
S-613	330+61	35.16' LT	MAN TA 5 DIA T1F CL	5	744.9	738.81	738.81		
S-614	328+75	37.00' RT	CB TA 4 DIA T8G	4	743.6	742.00			

PIPE NO.	FROM	TO	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-601	S-518	S-603	RCP	2	100	24	740.13	739.75	0.38	24.0
P-602	S-602	S-603	RCP	2	8	12	741.61	741.53	1.00	0.00
P-603	S-601	S-602	RCP	2	54	12	742.15	741.61	1.00	24.0
P-604	S-603	S-606	RCP	2	75	24	739.75	739.62	0.17	20.0
P-607	S-606	S-609	RCP	2	75	24	739.62	739.05	0.76	0.00
P-608	S-608	S-609	RCP	2	12	12	741.12	741.00	1.00	0.00
P-609	S-607	S-608	RCP	2	50	12	741.62	741.12	1.00	27.0
P-610	S-609	S-612	RCP	2	75	24	739.05	738.88	0.23	0.00
P-611	S-611	S-612	RCP	2	12	12	740.86	740.74	1.00	0.00
P-612	S-610	S-611	RCP	2	50	12	741.36	740.86	1.00	28.0
P-613	S-612	S-613	RCP	2	36	24	738.88	738.81	0.19	0.00
P-614	S-613	S-ex	RCP	2	12	18	738.81	738.79	0.17	2.00
P-615	S-614	S-607	RCP	2	76	12	742.00	741.62	0.50	0.00

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

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

PROFILE
 DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____



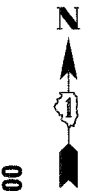
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 UTILITY PLAN AND PROFILE
 STATION 327+00 TO STATION 333+00**

SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

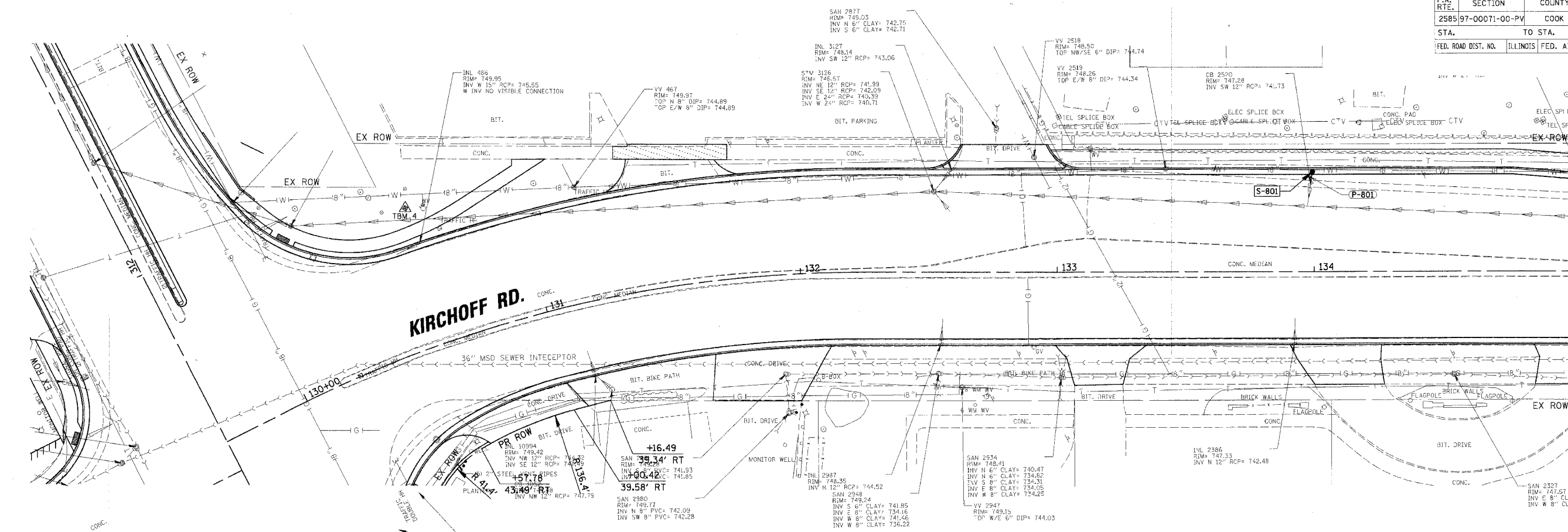
327+00 327+50 328+00 328+50 329+00 329+50 330+00 330+50 331+00 331+50 332+00 332+50 333+00

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
2585	97-00071-00-PV	COOK	116
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

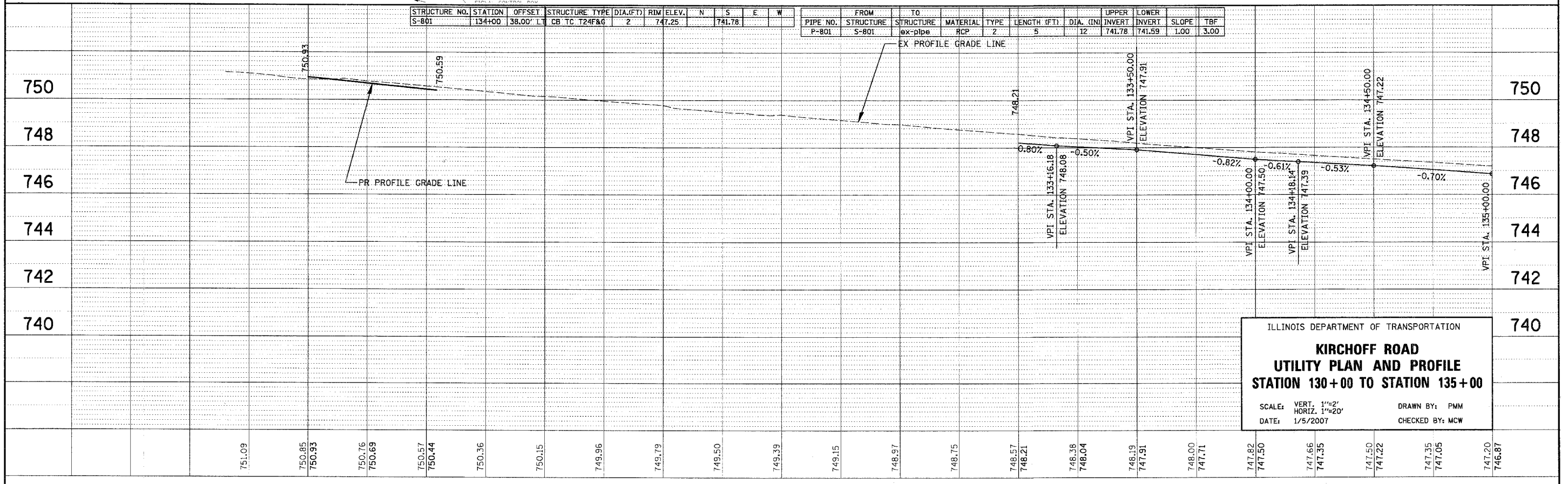


MATCH LINE STATION 135 + 00



STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT.)	RIM ELEV.	N	S	E	W
S-801	134+00	38.00' LT	CB TC T24F&G	2	747.25		741.78		

PIPE NO.	STRUCTURE	FROM	TO	STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-801	S-801			S-801	ex-pipe	RCP	5	12	741.78	741.59	1.00	3.00



ILLINOIS DEPARTMENT OF TRANSPORTATION
KIRCHOFF ROAD
UTILITY PLAN AND PROFILE
STATION 130+00 TO STATION 135+00

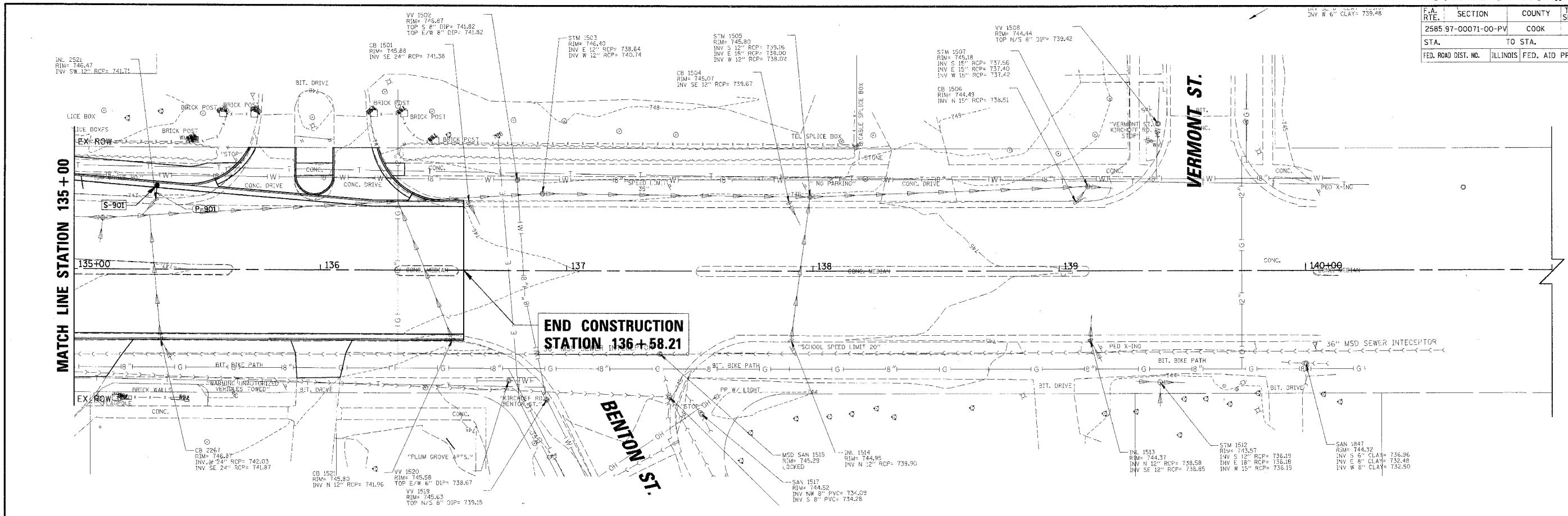
SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 1/5/2007
 DRAWN BY: PMM
 CHECKED BY: MCW

PLAN SUBMITTED BY: [] DATE: []
 CHECKED BY: [] DATE: []
 NOTE BOOK NO. []
 DATE OF WAY CHECKED []
 ROAD FILE NAME []

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 Rosemont, Illinois 60018
 (847) 823-0500

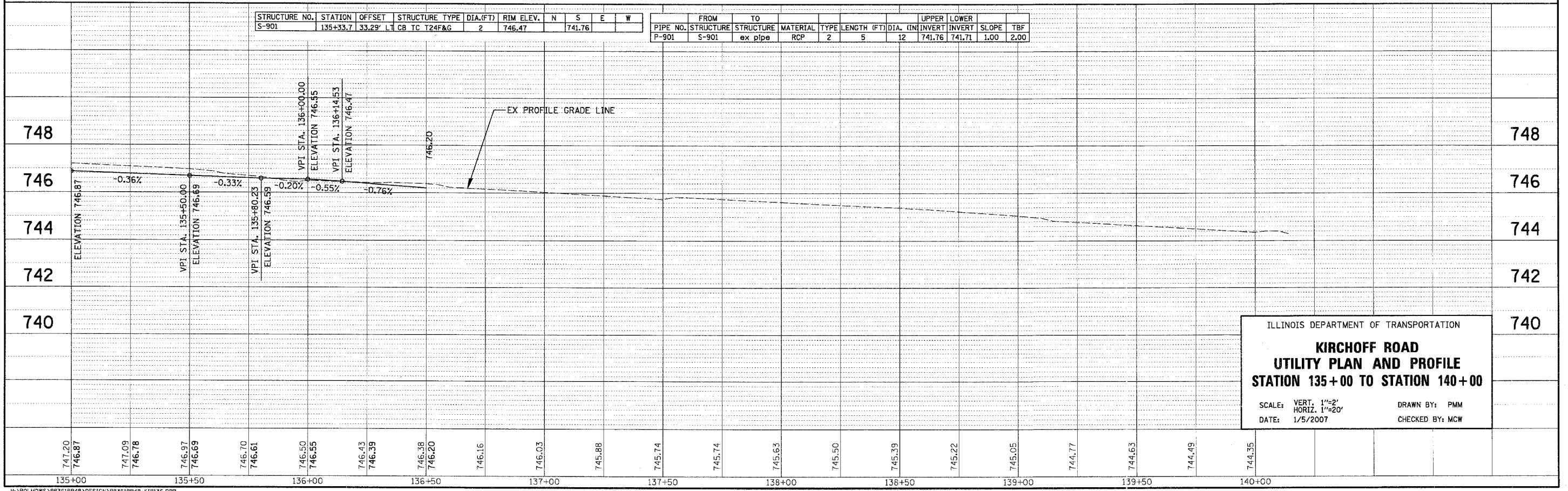
PROFILE SUBMITTED BY: [] DATE: []
 CHECKED BY: [] DATE: []
 NOTE BOOK NO. []
 DATE OF WAY CHECKED []
 ROAD FILE NAME []

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585 97-00071-00-PV		COOK	116	49
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S	E	W
S-901	135+33.7	33.29' LT	CB TC T24F&G	2	746.47			741.76	

PIPE NO.	FROM	TO	STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-901	S-901		ex pipe	RCP	2	5	12	741.76	741.71	1.00	2.00



ILLINOIS DEPARTMENT OF TRANSPORTATION
**KIRCHOFF ROAD
 UTILITY PLAN AND PROFILE
 STATION 135+00 TO STATION 140+00**
 SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 1/5/2007
 DRAWN BY: PMM
 CHECKED BY: MCW

PLAN	DATE	BY
DATE		
BY		
DATE		
BY		
DATE		
BY		

CHRISTOPHER B. BURKE ENGINEERING LTD.
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 Rosemont, Illinois 60018
 (847) 823-0800

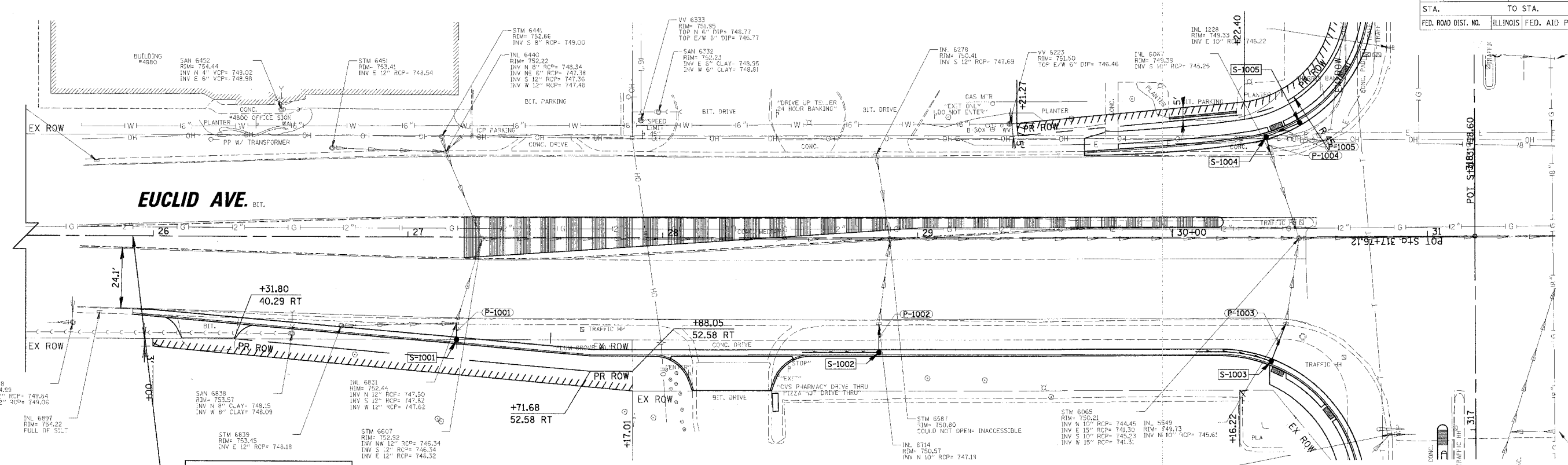
PROFILE	DATE	BY
DATE		
BY		
DATE		
BY		
DATE		
BY		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
2585	97-00071-00-PV	COOK	116
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

DATE: _____ BY: _____
 PLAN: _____
 NOTE BOOK NO. _____
 CHECKED BY: _____
 CAD FILE NAME: _____

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 Rosemont, Illinois 60018
 (847) 823-0500

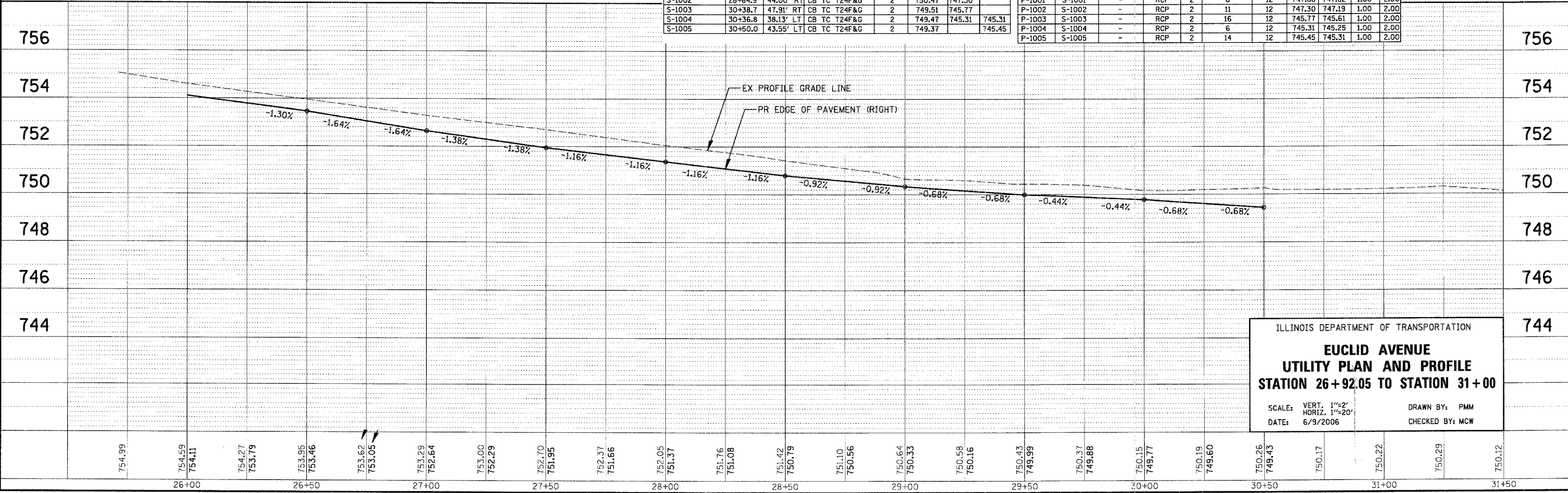
DATE: _____ BY: _____
 PROFILE: _____
 NOTE BOOK NO. _____
 CHECKED BY: _____
 STRUCTURE INFORMATION SHEET NO. _____



**BEGIN IMPROVEMENT
 STATION 25+92.05**

STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S
S-1001	27+19	39.35' RT	CB TC T24F&G	2	752.38	747.88	
S-1002	28+84.9	44.00' RT	CB TC T24F&G	2	750.47	747.30	
S-1003	30+38.7	47.91' RT	CB TC T24F&G	2	749.51	745.77	
S-1004	30+36.8	38.13' LT	CB TC T24F&G	2	749.47	745.31	745.31
S-1005	30+50.0	43.55' LT	CB TC T24F&G	2	749.37		745.45

PIPE NO.	FROM	TO	STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-1001	S-1001	-	-	RCP	2	6	12	747.88	747.82	1.00	2.00
P-1002	S-1002	-	-	RCP	2	11	12	747.30	747.19	1.00	2.00
P-1003	S-1003	-	-	RCP	2	16	12	745.77	745.61	1.00	2.00
P-1004	S-1004	-	-	RCP	2	6	12	745.31	745.25	1.00	2.00
P-1005	S-1005	-	-	RCP	2	14	12	745.45	745.31	1.00	2.00



ILLINOIS DEPARTMENT OF TRANSPORTATION
**EUCLID AVENUE
 UTILITY PLAN AND PROFILE
 STATION 26+92.05 TO STATION 31+00**
 SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 6/9/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

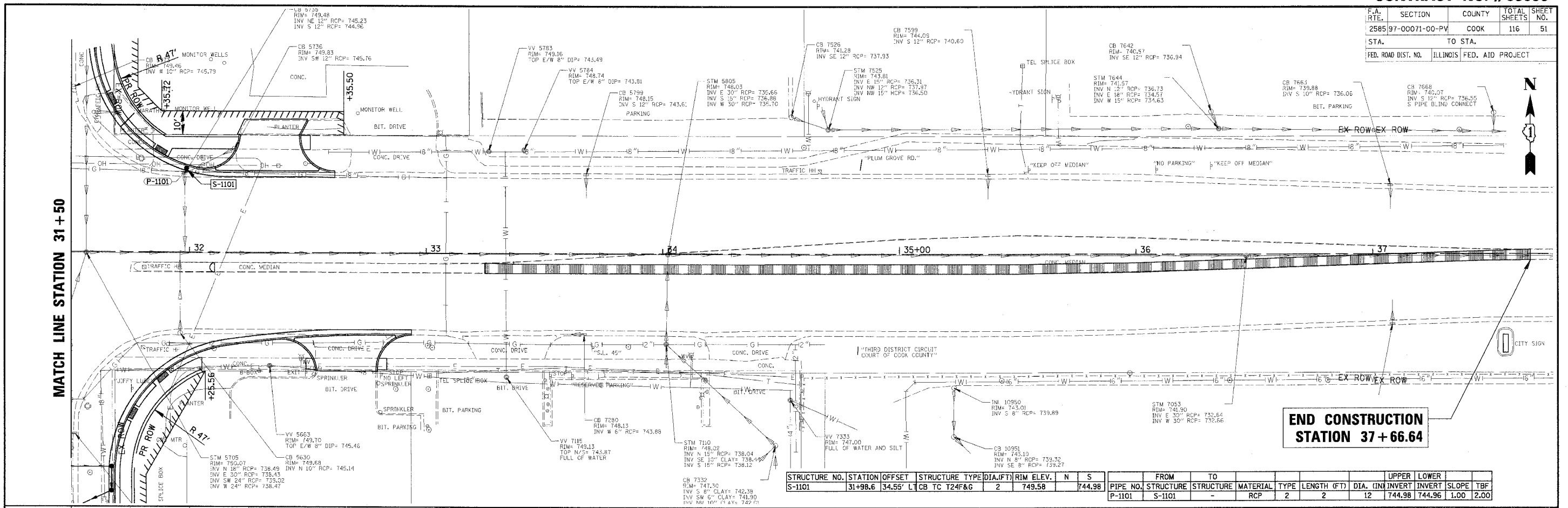
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	51
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



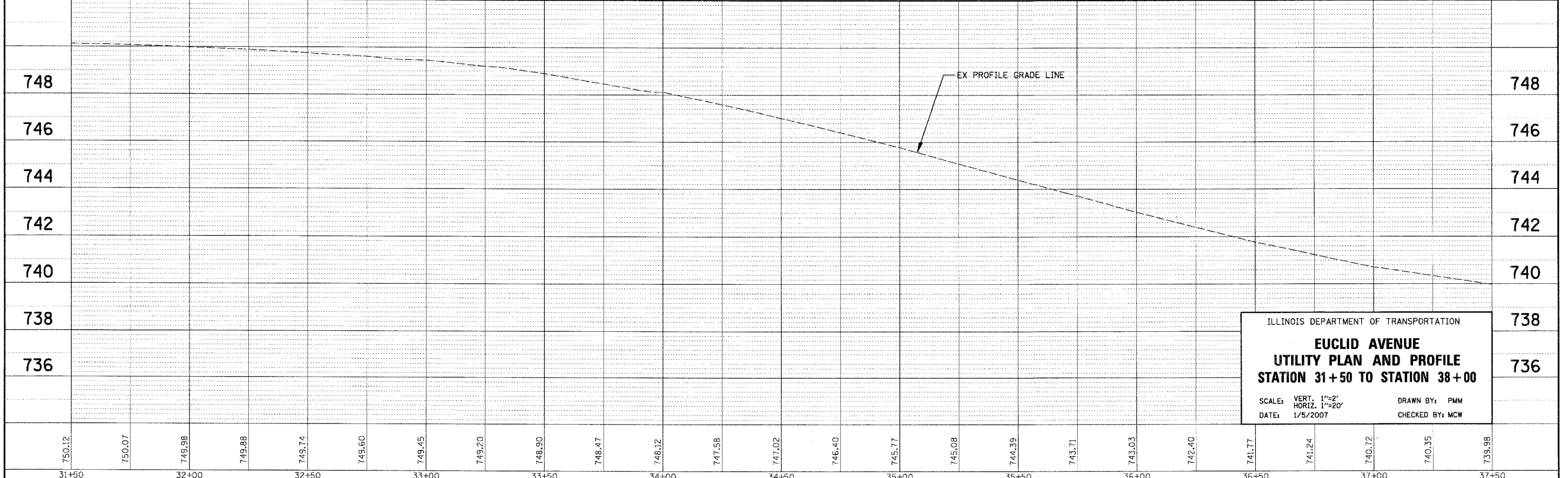
DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY



STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA.(FT)	RIM ELEV.	N	S	FROM	TO	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
S-1101	31+98.6	34.55'	L	CB TC T24F&G	2	749.58	744.98										
P-1101	S-1101	-								RCP	2	2	12	744.98	744.96	1.00	2.00



ILLINOIS DEPARTMENT OF TRANSPORTATION
EUCLID AVENUE
UTILITY PLAN AND PROFILE
STATION 31+50 TO STATION 38+00
 SCALE: VERT. 1"=2'
 HORIZ. 1"=20'
 DATE: 1/5/2007
 DRAWN BY: PMM
 CHECKED BY: MCW

750.12	750.07	749.98	749.88	749.74	749.60	749.45	749.20	748.90	748.47	748.12	747.58	747.02	746.40	745.77	745.08	744.39	743.71	743.03	742.40	741.77	741.24	740.72	740.35	739.98
31+50		32+00		32+50		33+00		33+50		34+00		34+50		35+00		35+50		36+00		36+50		37+00		37+50

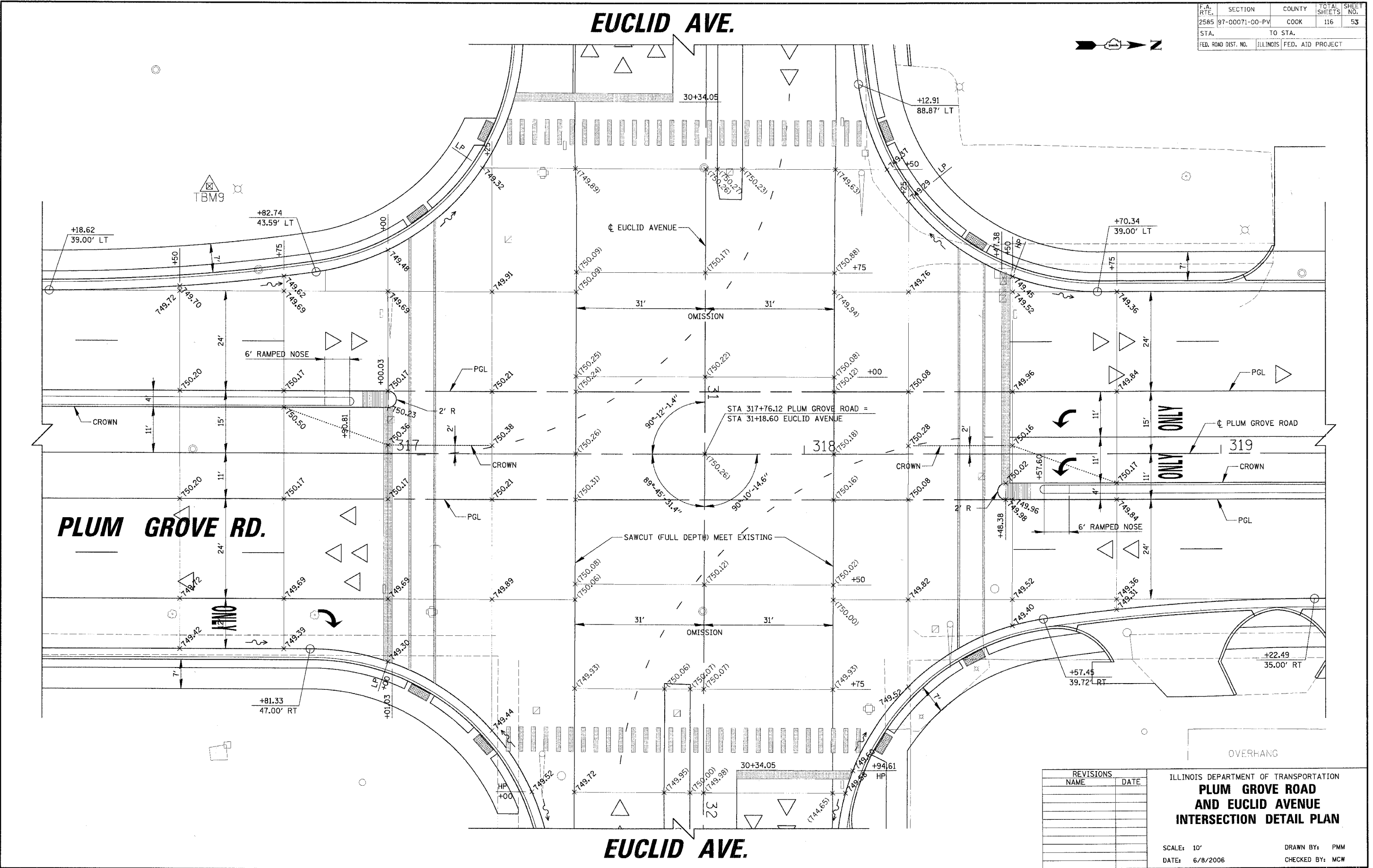
CONTRACT NO. #83853

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	53
STA.	TO STA.			
	ILLINOIS		FED. AID PROJECT	

PLAN	DATE
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

CHRISTOPHER B. BURKE ENGINEERING LTD.
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 Rosemont, Illinois 60018
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PROFILE	DATE
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	



REVISIONS	
NAME	DATE

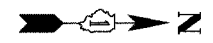
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLUM GROVE ROAD
 AND EUCLID AVENUE
 INTERSECTION DETAIL PLAN**

SCALE: 10'
 DATE: 6/8/2006

DRAWN BY: PMM
 CHECKED BY: MCW

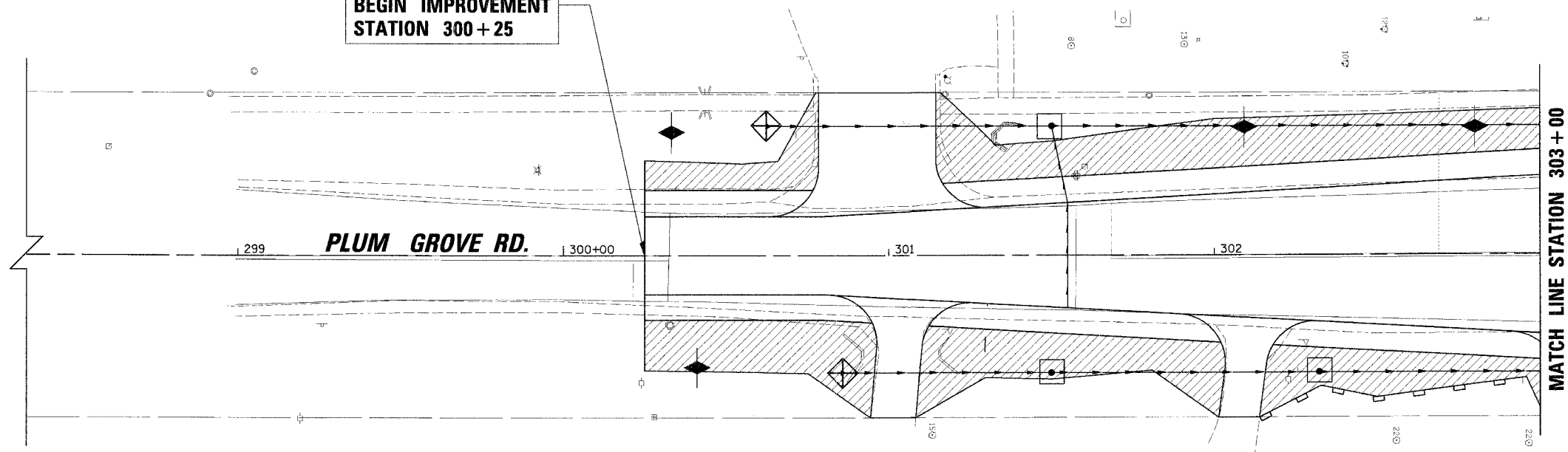
CONTRACT NO. #83853

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	54
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

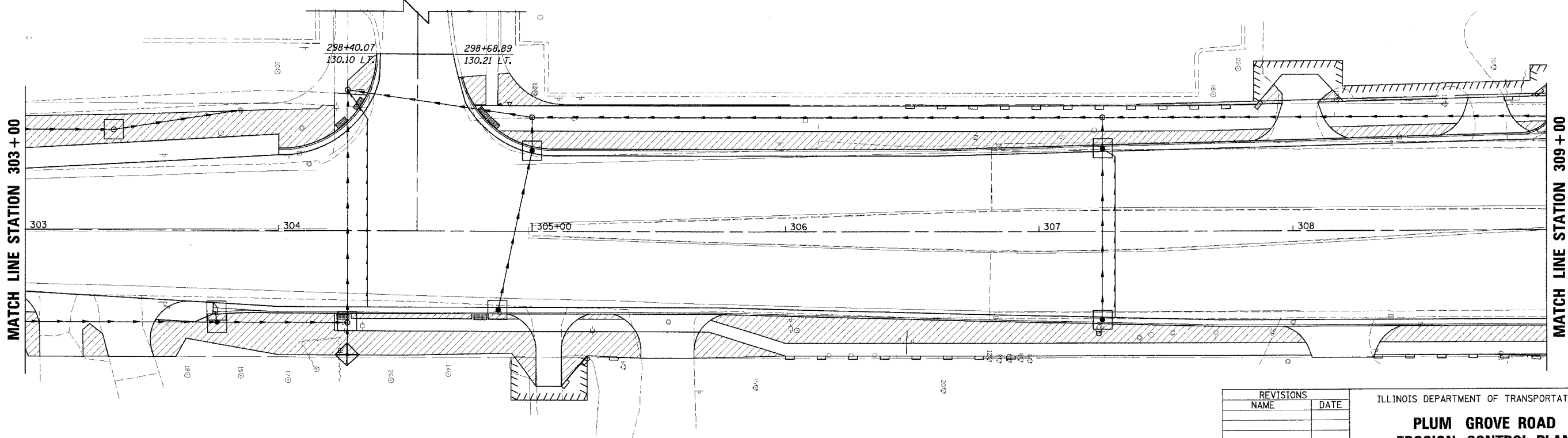


BEGIN IMPROVEMENT
STATION 300+25

- LEGEND:
- SILT FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTER
 - SODDING
 - DITCH CHECK



EMERSON AVE.



DATE	BY
PLAN	DATE
NOTE BOOK	NO.

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500



DATE	BY
PROFILE	DATE
NOTE BOOK	NO.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLUM GROVE ROAD
EROSION CONTROL PLAN
STATION 300+25 TO STATION 309+00**

SCALE: 20'
DATE: 6/8/2006

DRAWN BY: PMM
CHECKED BY: MCW

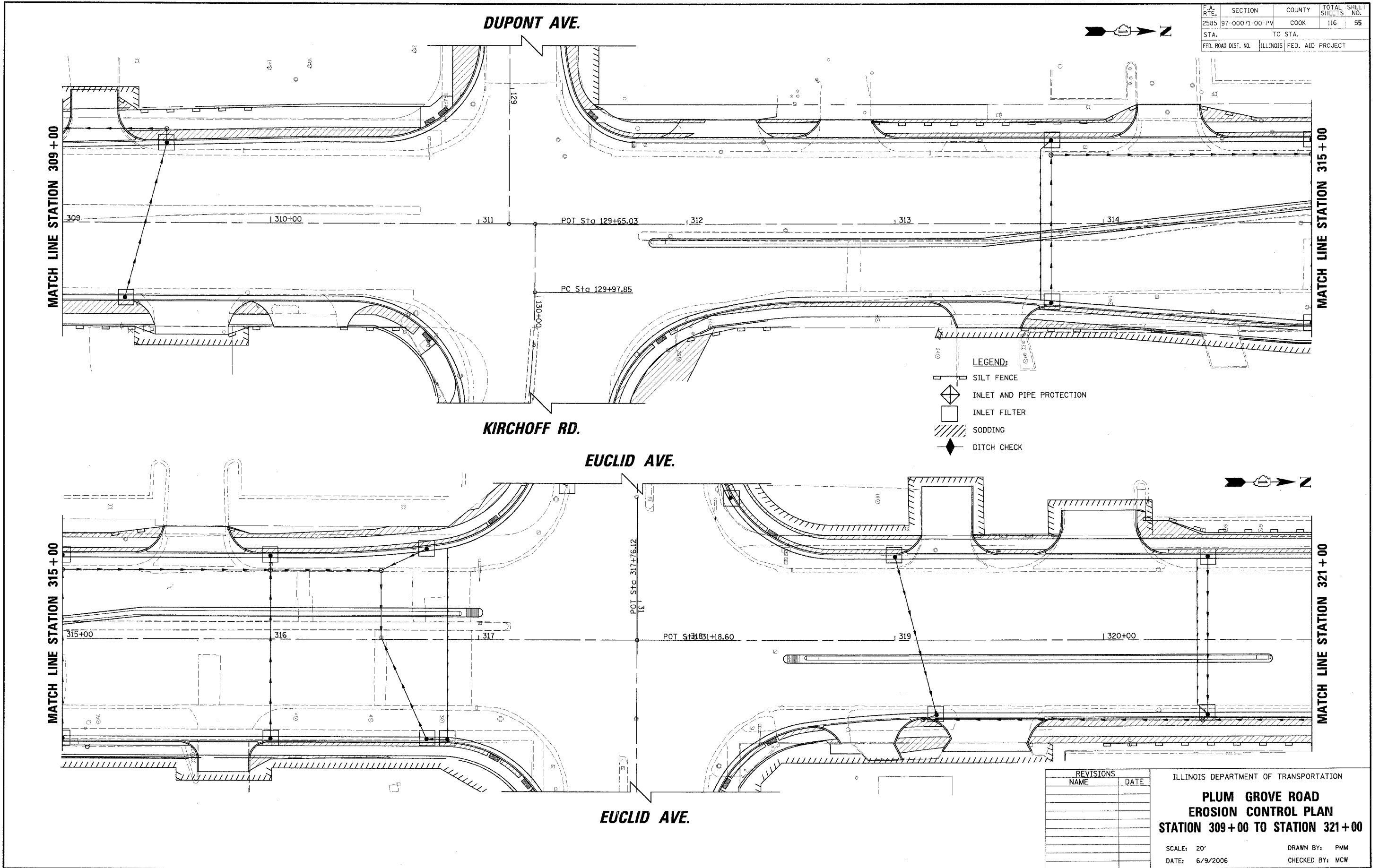
CONTRACT NO. #83853

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	55
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN	DESIGNED	DATE
NO.	BY	
	CHECKED	
	DATE	
	BY	
	CHECKED	
	DATE	

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

PROFILE	DESIGNED	DATE
NO.	BY	
	CHECKED	
	DATE	
	BY	
	CHECKED	
	DATE	



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLUM GROVE ROAD
EROSION CONTROL PLAN
STATION 309+00 TO STATION 321+00
 SCALE: 20'
 DATE: 6/9/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

CONTRACT NO. #83853

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	58
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY	NO.

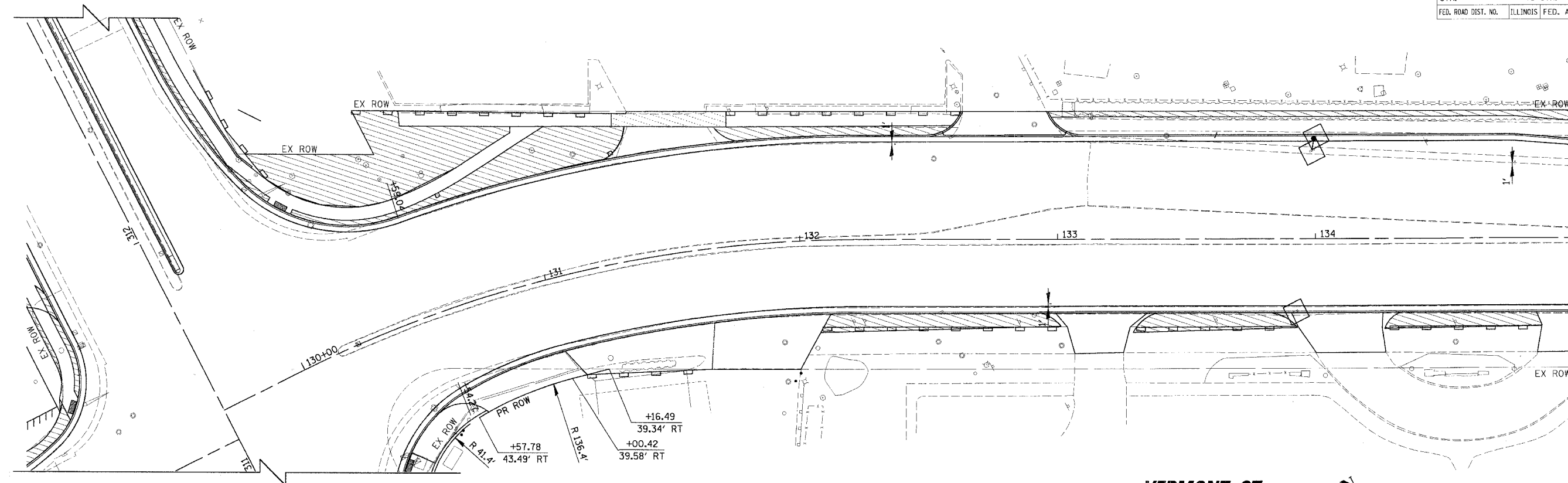
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9515 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



DATE	BY	NO.

PROFILE
 EXISTING
 PROPOSED
 GRADES CHECKED
 STRUCTURE NOTATION OK'D

PLUM GROVE RD.

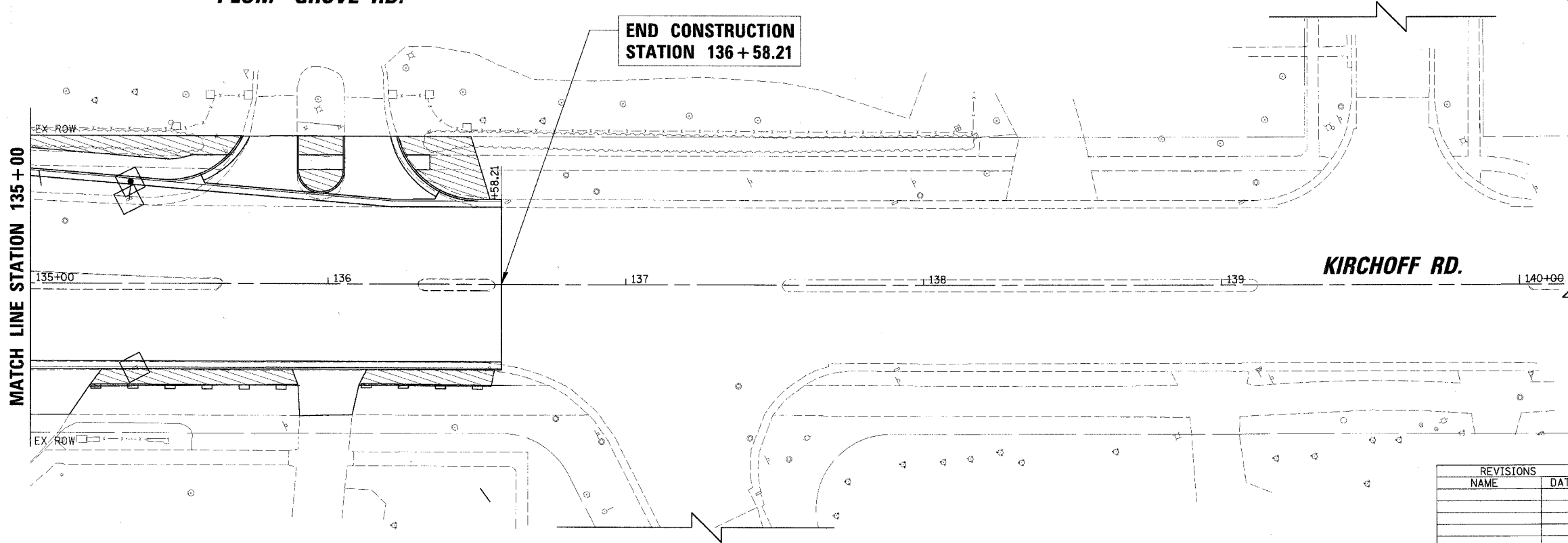


MATCH LINE STATION 135 + 00

PLUM GROVE RD.

**END CONSTRUCTION
 STATION 136 + 58.21**

VERMONT ST.



MATCH LINE STATION 135 + 00

KIRCHOFF RD.

BENTON ST.

- LEGEND:**
- SILT FENCE
 - INLET AND PIPE PROTECTION
 - INLET FILTER
 - SODDING
 - DITCH CHECK

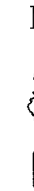
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**KIRCHOFF ROAD
 EROSION CONTROL PLAN
 STATION 130+00 TO STATION 136+58.21**

SCALE: 20'
 DATE: 6/8/2006
 DRAWN BY: PMM
 CHECKED BY: MCW

h:\n\oldms\98361br\48\design\98361br\48_klr\130.eop

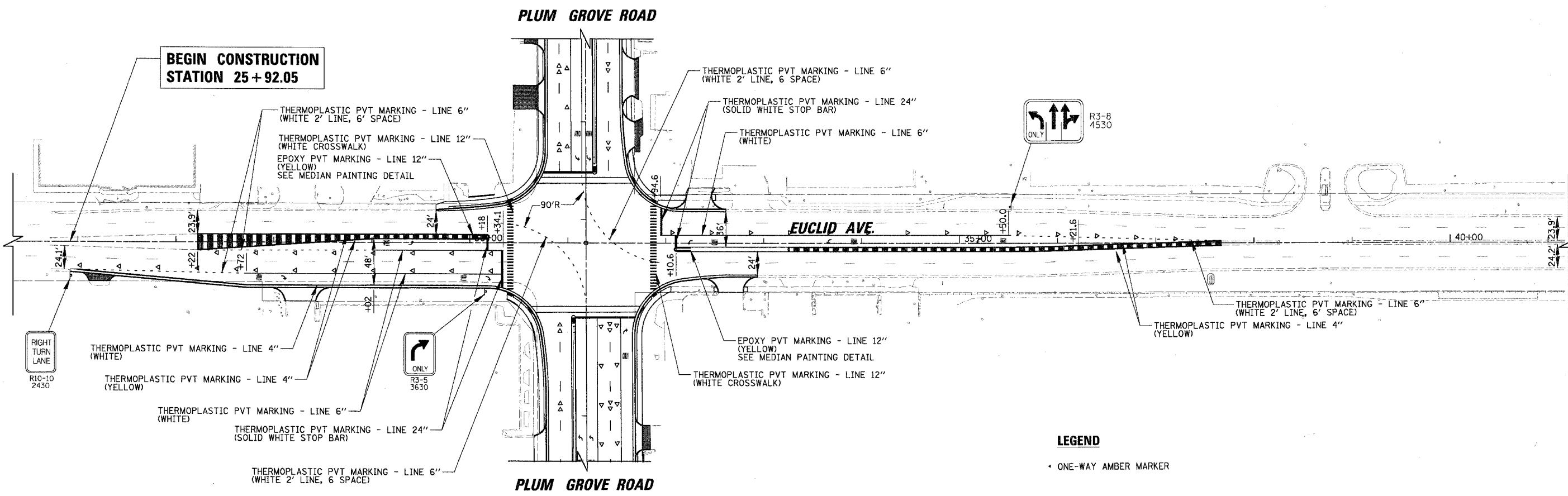
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	63
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



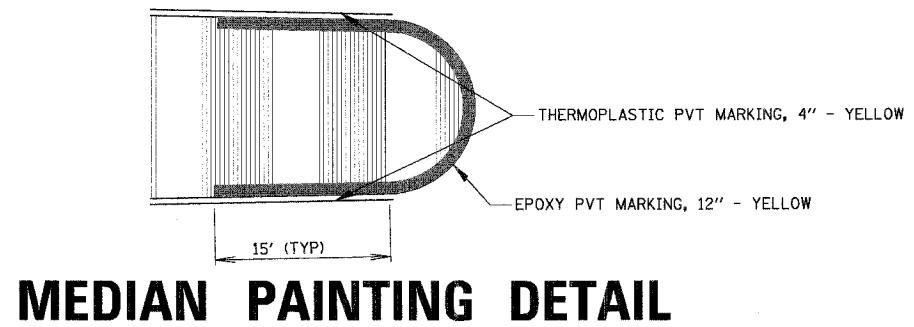
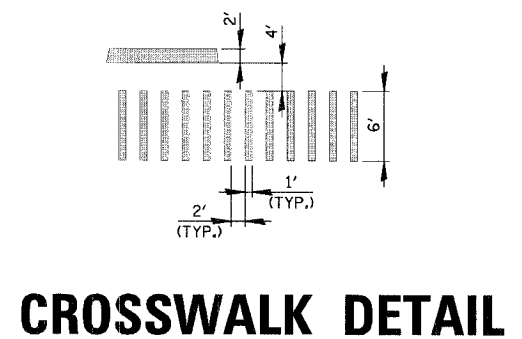
PLAN	DATE
NOTE BOOK	
NO.	

CHRISTOPHER B. BURKE ENGINEERING LTD.
 5575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 923-0500

PROFILE	DATE
NOTE BOOK	
NO.	



- LEGEND**
- ◄ ONE-WAY AMBER MARKER
 - ◄ ONE-WAY CRYSTAL MARKER (W/O)
 - ◄ TWO-WAY AMBER MARKER



NOTE: THE CONTRACTOR SHALL NOTIFY THE COOK COUNTY TRAFFIC OPERATIONS DIVISION AT (847) 827-7824 OR (312) 603-1660, TEN DAYS PRIOR TO THE ESTIMATED DATE THAT THE ROADWAY WILL BE READY FOR APPLICATION OF PERMANENT PAVEMENT MARKINGS ALONG EUCLID AVENUE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

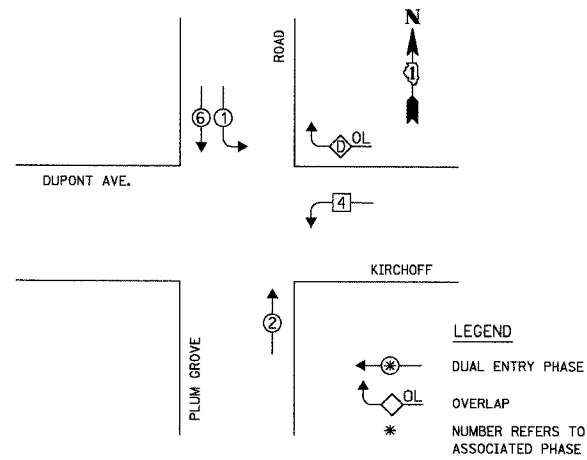
**EUCLID AVENUE
PAVEMENT MARKING PLAN**

SCALE: 50'
DATE: 1/5/2007

DRAWN BY: PMM
CHECKED BY: MCW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	65
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

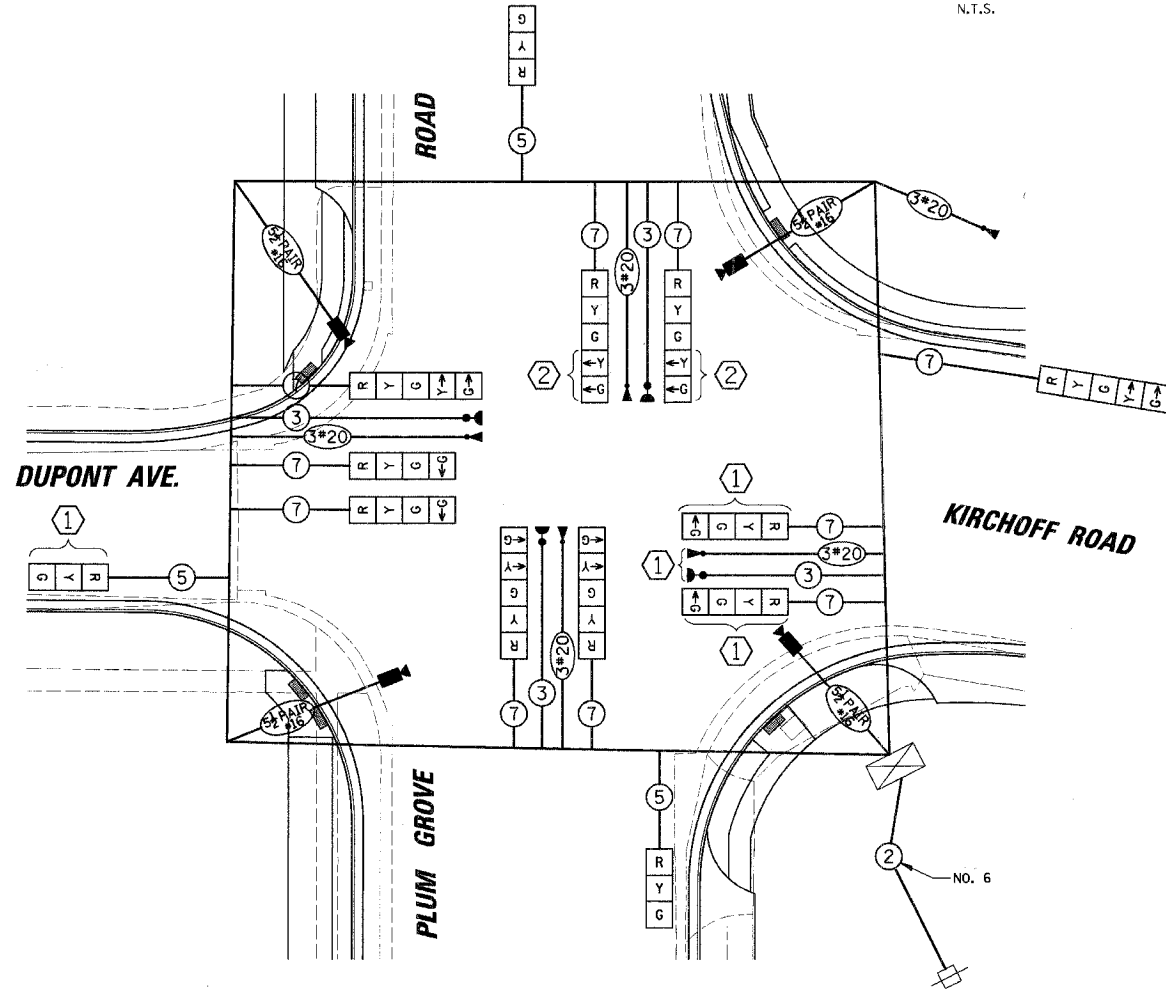
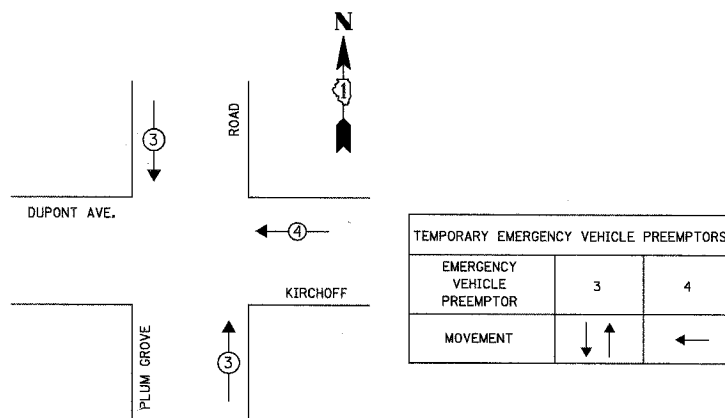
TEMPORARY CONTROLLER SEQUENCE



STAGE I TEMPORARY PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 4	+ 1

STAGE I EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE DIAGRAM LEGEND

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- MACHINE VISION PROCESSOR
- VIDEO DETECTION CABLE(S) AS REQUIRED BY THE VIDEO EQUIPMENT MANUFACTURER

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL BAG AND DISABLE THE EASTBOUND SIGNAL HEADS AND EMERGENCY VEHICLE PREEMPTOR DURING STAGE I FOR KIRCHOFF ROAD.
- THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN ARROW SECTIONS OF NORTHBOUND SIGNAL HEADS DURING STAGE I FOR PLUM GROVE ROAD.

ESTIMATED BILL OF MATERIALS
TEMPORARY TRAFFIC SIGNAL INSTALLATION
PLUM GROVE ROAD AT KIRCHOFF ROAD - DUPONT AVENUE
STAGES I, II AND III

ITEM	UNIT	QUANTITY
WOOD POLE	EACH	5
SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	3
SIGNAL HEAD, 1-FACE, 4-SECTION, SPAN WIRE MOUNTED	EACH	4
SIGNAL HEAD, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	6
SPAN WIRE	FOOT	570
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	690
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	860
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	2440
ELECTRIC CABLE AERIAL SUSPENDED, COMMUNICATION, NO. 16 5 1/2 PAIR	FOOT	690
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	360
ELECTRIC CABLE AERIAL SUSPENDED, NO. 20 3C, TWISTED, SHIELDED	FOOT	870
CONTROLLER AND CABINET	EACH	1
SERVICE INSTALLATION	EACH	1
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
VIDEO DETECTION SYSTEM	EACH	1

NOTES:

- THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
- ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL OF THE TEMPORARY TRAFFIC INSTALLATION.

TYPE	NO. OF LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		X INCAND.	LED		
SIGNAL (RED)	10	135		0.50	675.00
(YELLOW)	10	135		0.25	337.50
(GREEN)	10	135		0.25	337.50
ARROW	10	135		0.10	135.00
PED. SIGNAL	-	90		1.00	-
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN	-	252		0.05	-
FLASHER	-			0.50	-

ENERGY COSTS TO: TOTAL = 1585.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY: CONTACT: JOAN COOK
PHONE: (847) 816-5461
COMPANY: COMMONWEALTH EDISON

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE STAGE I	
		PLUM GROVE ROAD AND KIRCHOFF RD. / DUPONT AVE., ROLLING MEADOWS, ILLINOIS	
		SCALE: NOT TO SCALE	
		DATE: 6/9/2006	
		DRAWN BY: FBP	
		DESIGNED BY: ABR	
		CHECKED BY: GMZ	

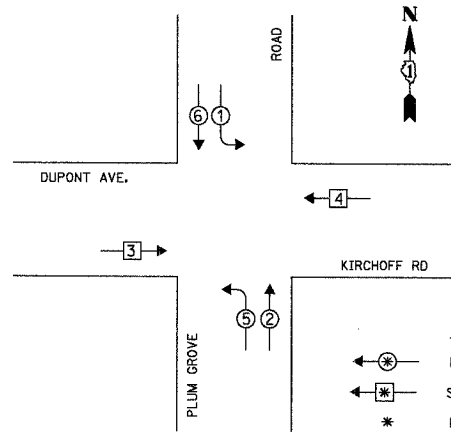
DATE	
BY	
PLAN	
NOTE BOOK	
NO.	

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

DATE	
BY	
PROFILE	
NOTE BOOK	
NO.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	67
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

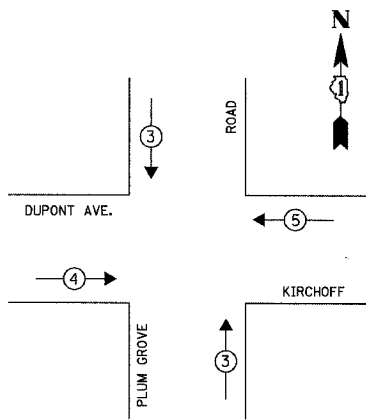
TEMPORARY CONTROLLER SEQUENCE



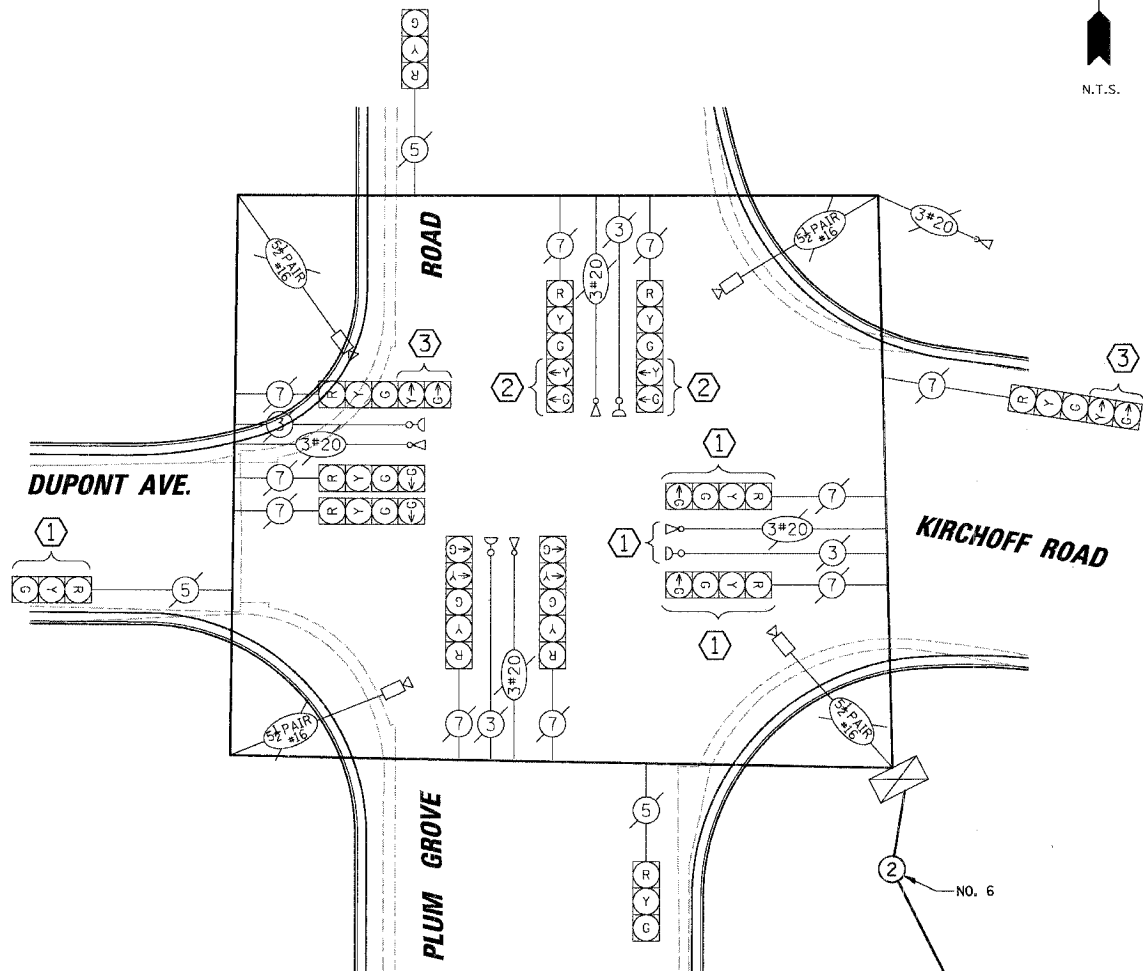
LEGEND
 ← ⊙ → DUAL ENTRY PHASE
 ← ⊙ → SINGLE ENTRY PHASE
 * NUMBER REFERS TO ASSOCIATED PHASE

STAGE II AND III TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE II AND III TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↓ ↑	→	←



TEMPORARY CABLE DIAGRAM LEGEND

- ⊠ TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- ⊠ TEMPORARY CONTROLLER CABINET
- ⊠ TEMPORARY SERVICE INSTALLATION
- ⑤ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- ▶ EMERGENCY VEHICLE LIGHT DETECTOR
- ▶ CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊠ 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ⊠ MACHINE VISION PROCESSOR

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL UNBAG AND ENABLE THE EASTBOUND SIGNAL HEADS AND EMERGENCY VEHICLE PREEMPTOR DURING STAGE II AND III FOR KIRCHOFF RD./DUPONT AVE.
- ② THE CONTRACTOR SHALL UNBAG AND ENABLE THE YELLOW AND GREEN ARROW SECTIONS OF NORTHBOUND SIGNAL HEADS DURING STAGE II AND III FOR PLUM GROVE ROAD.
- ③ THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN ARROW SECTIONS OF THE WEST BOUND FAR AND NEAR RIGHT SIGNAL HEADS DURING THE STAGE II AND II FOR KIRCHOFF ROAD.

NOTES:
 1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 2. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL OF THE TEMPORARY TRAFFIC INSTALLATION.

TYPE	NO. OF LAMPS	WATTAGE XINCAND. LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	135	0.50	877.50
(YELLOW)	13	135	0.25	438.75
(GREEN)	13	135	0.25	438.75
ARROW	14	135	0.10	189.00
PED. SIGNAL	-	90	1.00	-
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN	-	252	0.05	-
FLASHER	-	-	0.50	-

ENERGY COSTS TO: TOTAL = 2044.00
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: JOAN COOK
 PHONE: (847) 816-5461
 COMPANY: COMMONWEALTH EDISON

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE STAGE II AND III	
		PLUM GROVE ROAD AND KIRCHOFF RD. / DUPONT AVE. ROLLING MEADOWS, ILLINOIS	
		SCALE: NOT TO SCALE	DRAWN BY: FBP
			DESIGNED BY: ABR
		DATE: 6/8/2006	CHECKED BY: GMZ

DATE: _____ BY: _____
 CHECKED: _____
 NO. _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE: _____ BY: _____
 CHECKED: _____
 NO. _____

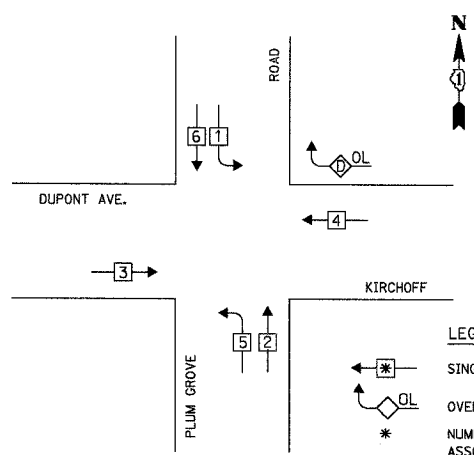
F.A. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	69
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY
DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY

INTERIM TEMPORARY CONTROLLER SEQUENCE

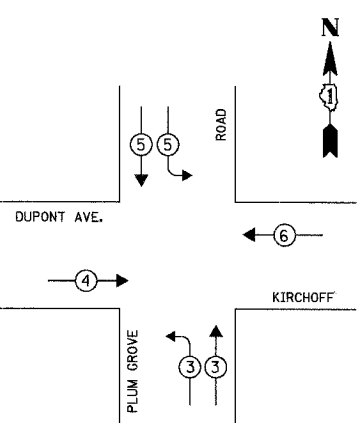


LEGEND
 * SINGLE ENTRY PHASE
 OL OVERLAP
 * NUMBER REFERS TO ASSOCIATED PHASE

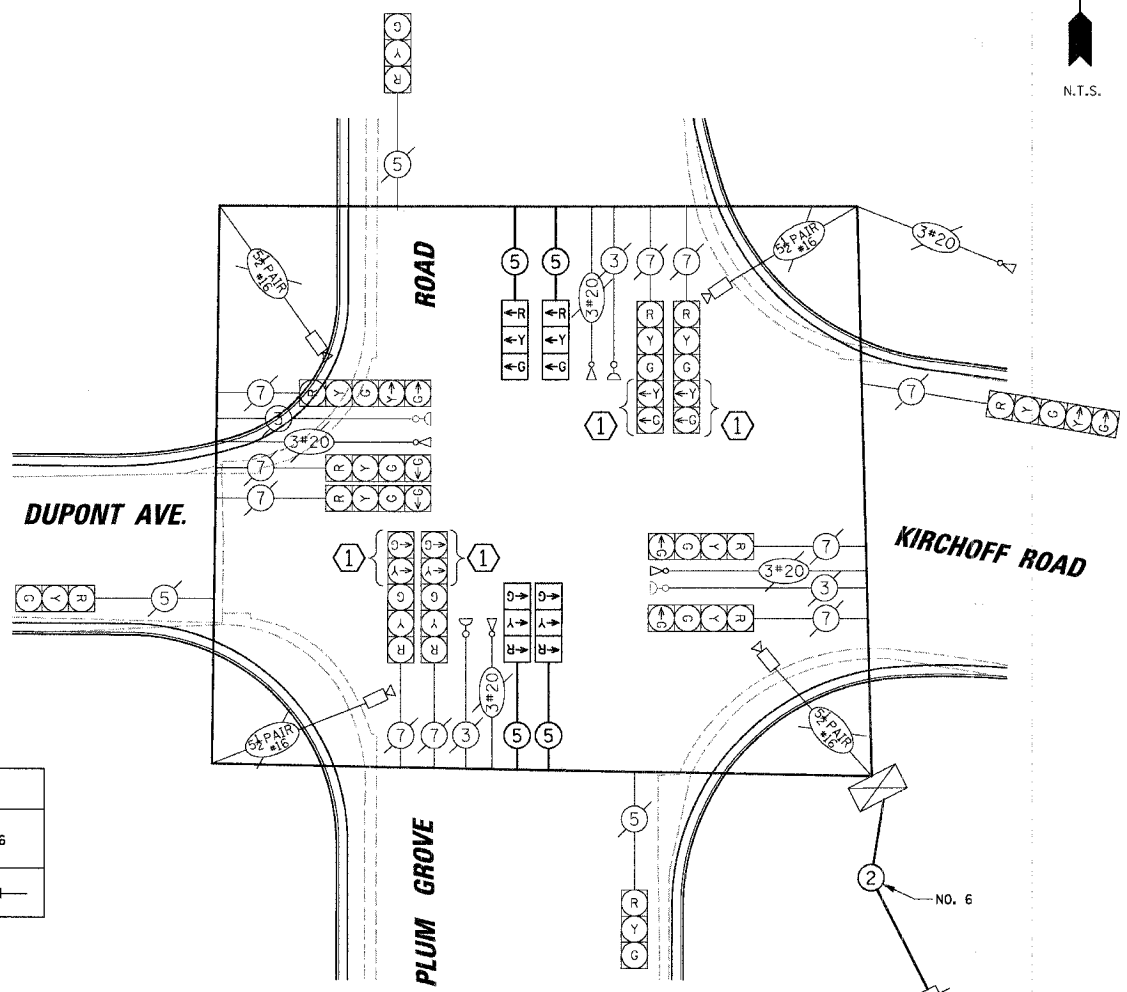
INTERIM TEMPORARY PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 4	+ 1

INTERIM EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	↖ ↗	→	↘ ↙	←



TEMPORARY CABLE DIAGRAM LEGEND

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

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN ARROW SECTIONS OF NORTHBOUND AND SOUTHBOUND SIGNAL HEADS OF PLUM GROVE ROAD FOR THE INTERIM UPON COMPLETION OF CONSTRUCTION.
- ② THIS INTERIM STAGE SHALL BE IMPLEMENTED AFTER THE ROADWAY IMPROVEMENTS ARE COMPLETED AND ALL TRAFFIC LANES ARE OPEN.

ESTIMATED BILL OF MATERIALS
 TEMPORARY TRAFFIC SIGNAL INSTALLATION
 PLUM GROVE ROAD AT KIRCHOFF ROAD - DUPONT AVENUE
 INTERIM

ITEM	UNIT	QUANTITY
SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	4
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	1100

- NOTES:**
1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 2. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL OF THE TEMPORARY TRAFFIC INSTALLATION.

TYPE	NO. OF LAMPS	WATTAGE X INCAND.	WATTAGE X LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	135		0.50	1147.50
(YELLOW)	17	135		0.25	573.75
(GREEN)	17	135		0.25	573.75
ARROW	8	135		0.10	108.00
PED. SIGNAL	-	90		1.00	-
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN	-	252		0.05	-
FLASHER	-			0.50	-

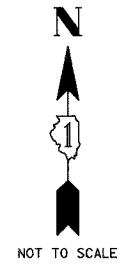
ENERGY COSTS TO: TOTAL = 2503.00
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: JOAN COOK
 PHONE: (847) 816-5461
 COMPANY: COMMONWEALTH EDISON

FOUNDATION (DEPTH)	FT.	(m)	CABLE SLACK	FT.	(m)	VERTICAL	FT.	(m)
TYPE A - POST	4	(1.2)	HANDHOLE	6.5	(2.0)	ALL FOUNDATIONS	3.5	(1.0)
D - CONTROLLER	4	(1.2)	DOUBLE HANDHOLE	13	(4.0)	MAST ARM (L) POLE	20'+L-2'	
C - M. ARM POLE	2	(0.6)	SIGNAL POST	2	(0.6)	(6m+L-0.6m)		
24" (600mm)	10	(3.0)	CONTROLLER CAB.	1	(0.3)	BRACKET MOUNTED	13	(4.0)
30" (750mm)	15	(4.6)	FIBER OPTIC	13	(4.0)	PED. PUSHBUTTON	4	(1.2)
			ELECTRIC SERVICE	1	(0.3)	ELECTRIC SERVICE	13.5	(4.1)
			GROUND CABLE	1	(0.3)	SERVICE TO GROUND	13.5	(4.1)
						POST MOUNTED	6	(1.8)

NOTE: INTERIM STAGE; UPON COMPLETION OF CONSTRUCTION

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		
		TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE	
PLUM GROVE ROAD AND KIRCHOFF RD. / DUPONT AVE. ROLLING MEADOWS, ILLINOIS			
SCALE: NOT TO SCALE		DRAWN BY: FFB	
DATE: 6/8/2006		DESIGNED BY: ABR	
		CHECKED BY: GMZ	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	71
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



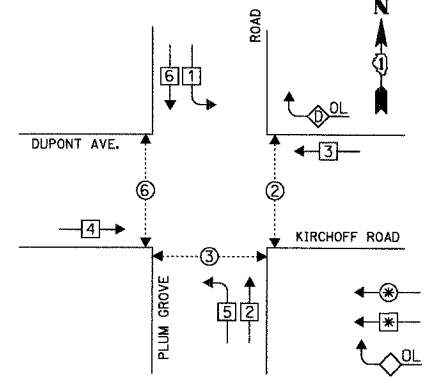
CABLE PLAN LEGEND

- | EXISTING | PROPOSED | DESCRIPTION |
|----------|----------|---|
| [Symbol] | [Symbol] | 8" (200mm) TRAFFIC SIGNAL SECTION |
| [Symbol] | [Symbol] | 12" (300mm) TRAFFIC SIGNAL SECTION |
| [Symbol] | [Symbol] | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| [Symbol] | [Symbol] | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| [Symbol] | [Symbol] | CONTROLLER CABINET |
| [Symbol] | [Symbol] | SERVICE INSTALLATION |
| [Symbol] | [Symbol] | TELEPHONE INSTALLATION |
| [Symbol] | [Symbol] | VEHICLE DETECTOR, INDUCTION LOOP |
| [Symbol] | [Symbol] | MAGNETIC DETECTOR |
| [Symbol] | [Symbol] | EMERGENCY VEHICLE LIGHT DETECTOR |
| [Symbol] | [Symbol] | CONFIRMATION BEACON |
| [Symbol] | [Symbol] | PUSHBUTTON DETECTOR |
| [Symbol] | [Symbol] | DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| [Symbol] | [Symbol] | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| [Symbol] | [Symbol] | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F |
| [Symbol] | [Symbol] | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD. |
| [Symbol] | [Symbol] | RAILROAD CONTROL CABINET |
| [Symbol] | [Symbol] | ILLUMINATED SIGN "NO LEFT TURN" |
| [Symbol] | [Symbol] | ILLUMINATED SIGN "NO RIGHT TURN" |
| [Symbol] | [Symbol] | GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C) |
| [Symbol] | [Symbol] | GROUND ROD AT POST (P) OR MAST ARM POLE (MA) |
| [Symbol] | [Symbol] | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	50 FT	79.5
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	594
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	73
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	546
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	500
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	822
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	729
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2354
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2493
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1542
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	FOOT	3590
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	270
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	571
ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED, SHIELDED	FOOT	1331
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	14
INDUCTIVE LOOP DETECTOR TYPE I	EACH	996
LIGHT DETECTOR	EACH	5
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-4 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 3-FACE, 2-3 SECTION, 1-3 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1

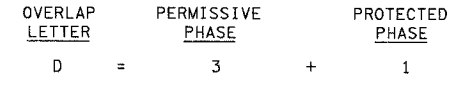
CONTROLLER SEQUENCE



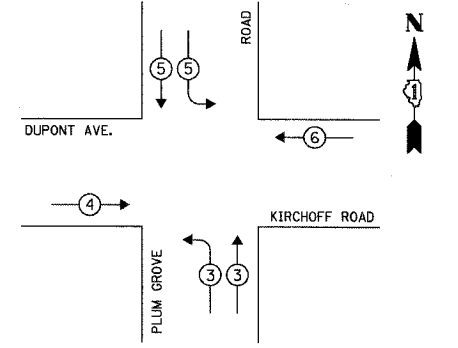
- LEGEND
- [Symbol] DUAL ENTRY PHASE
 - [Symbol] SINGLE ENTRY PHASE
 - [Symbol] OVERLAP
 - [Symbol] PEDESTRIAN PHASE
 - [Symbol] * NUMBER REFERS TO ASSOCIATED PHASE

NOTE: PHASE 3 AND 4 SHALL BE SPLIT PHASE OPERATION

PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	[Symbol]	[Symbol]	[Symbol]	[Symbol]

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

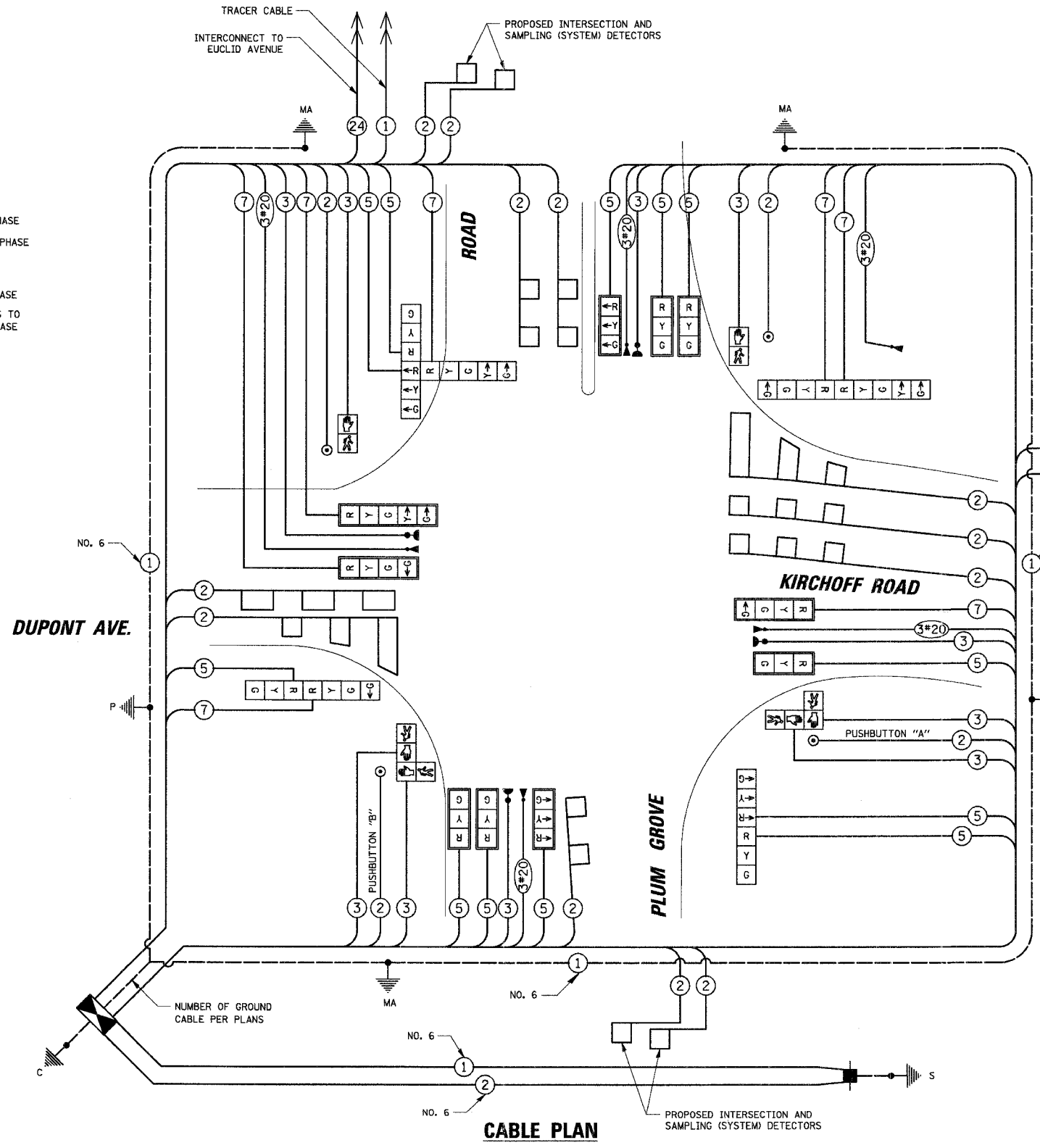
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	19	17	0.50		161.50
(YELLOW)	19	25	0.25		118.75
(GREEN)	19	15	0.25		71.25
ARROW	10	12	0.10		12.00
PED. SIGNAL	6	25	1.00		150.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN	-	25	0.05		-

FLASHER 0.50 -
ENERGY COSTS TO: TOTAL = 613.50

CITY OF ROLLING MEADOWS
3600 KIRCHOFF ROAD
ROLLING MEADOWS, IL 60008
ENERGY SUPPLY: CONTACT: JOAN COOK
PHONE: (847) 816-5461
COMPANY: COMED

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

CABLE PLAN



NOTE: PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 3.
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 3 AND 6.

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

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM

PLUM GROVE ROAD AND KIRCHOFF RD. / DUPONT AVE.
ROLLING MEADOWS, ILLINOIS
SCALE: N.T.S. DRAWN BY: FPB/FCP
DESIGNED BY: ABR
DATE: 6/8/2006 CHECKED BY: GMZ

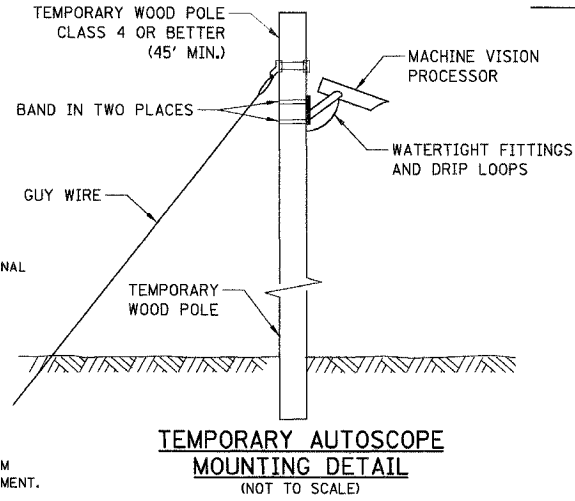
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9875 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

PROFILE DATE: BY: CHECKED: DATE: BY: CHECKED: DATE: BY: CHECKED:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

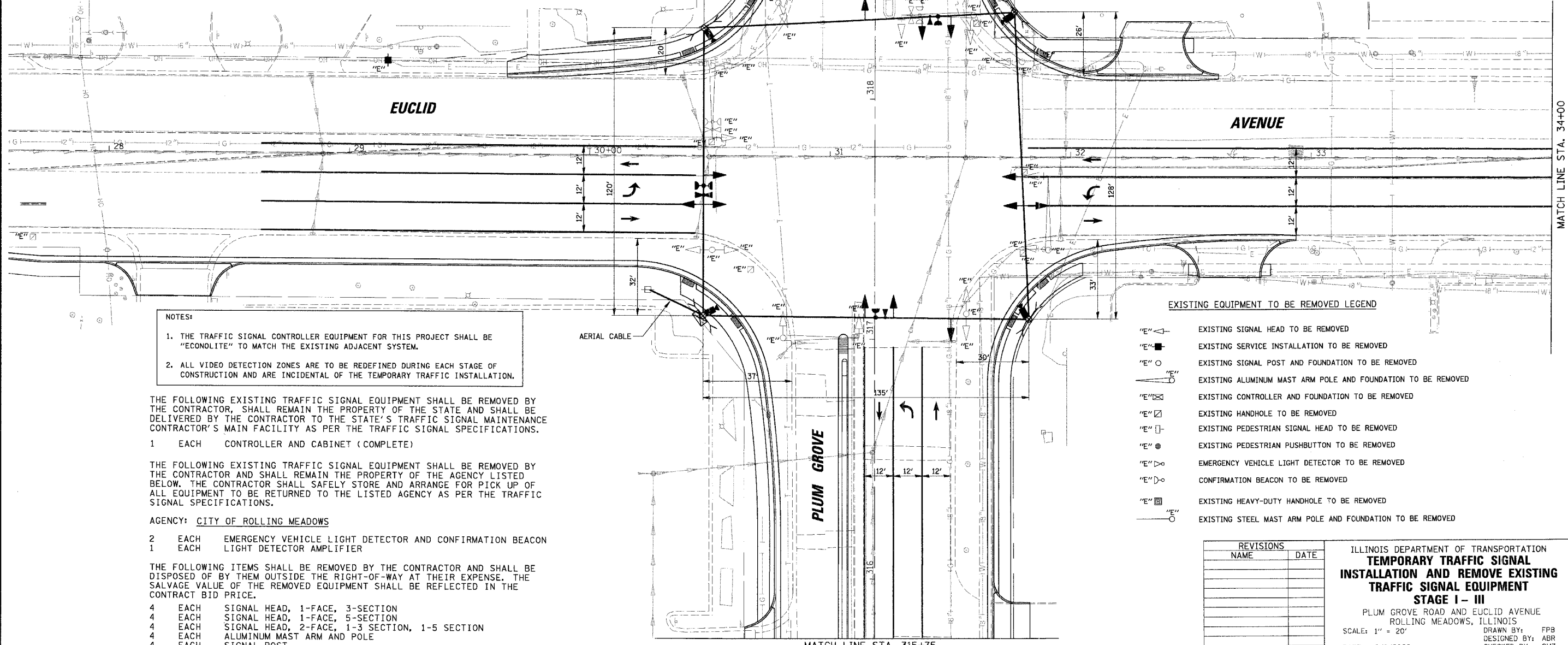
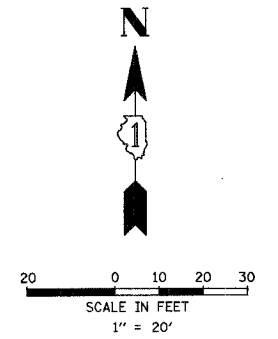
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.



TEMPORARY TRAFFIC SIGNAL LEGEND

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



- NOTES:
- THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 - ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL OF THE TEMPORARY TRAFFIC INSTALLATION.

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

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- AGENCY: CITY OF ROLLING MEADOWS
- 2 EACH EMERGENCY VEHICLE LIGHT DETECTOR AND CONFIRMATION BEACON
1 EACH LIGHT DETECTOR AMPLIFIER

- THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
4 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
4 EACH ALUMINUM MAST ARM AND POLE
4 EACH SIGNAL POST

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- "E" ▲ EXISTING SIGNAL HEAD TO BE REMOVED
- "E" ■ EXISTING SERVICE INSTALLATION TO BE REMOVED
- "E" ○ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" ⊕ EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" ⊠ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- "E" ⊕ EXISTING HANDHOLE TO BE REMOVED
- "E" □ EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- "E" ⊙ EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
- "E" ⊙ EXISTING EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- "E" ⊙ EXISTING CONFIRMATION BEACON TO BE REMOVED
- "E" ⊕ EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- "E" ⊕ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVE EXISTING
 TRAFFIC SIGNAL EQUIPMENT
 STAGE I - III**
 PLUM GROVE ROAD AND EUCLID AVENUE
 ROLLING MEADOWS, ILLINOIS
 SCALE: 1" = 20'
 DATE: 6/8/2006
 DRAWN BY: FFB
 DESIGNED BY: ABR
 CHECKED BY: GMZ

DATE: _____
 BY: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9875 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE: _____
 BY: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____

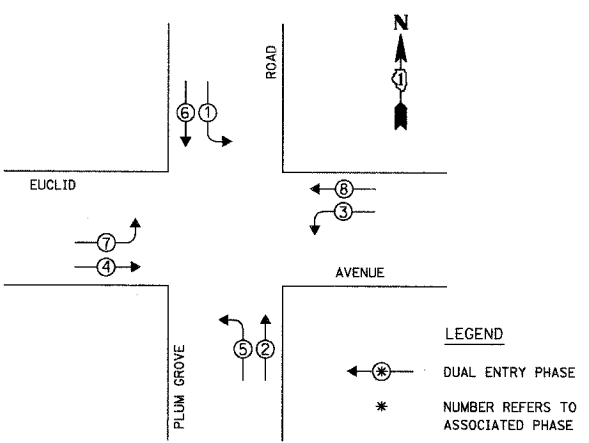
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	73
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TEMPORARY CABLE DIAGRAM LEGEND

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- X TEMPORARY CONTROLLER CABINET
- E TEMPORARY SERVICE INSTALLATION
- 5 INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- ▶ EMERGENCY VEHICLE LIGHT DETECTOR
- ▶▶ CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- P PEDESTRIAN PUSHBUTTON DETECTOR
- P 12" (300mm) PEDESTRIAN SIGNAL SECTION
- M MACHINE VISION PROCESSOR

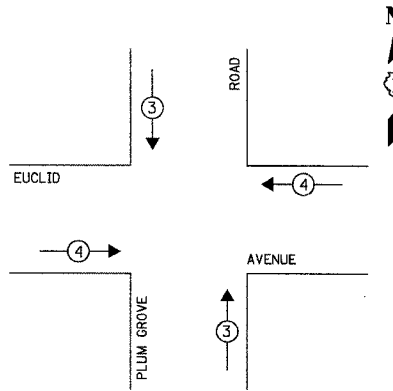
STAGE I - III TEMPORARY CONTROLLER SEQUENCE



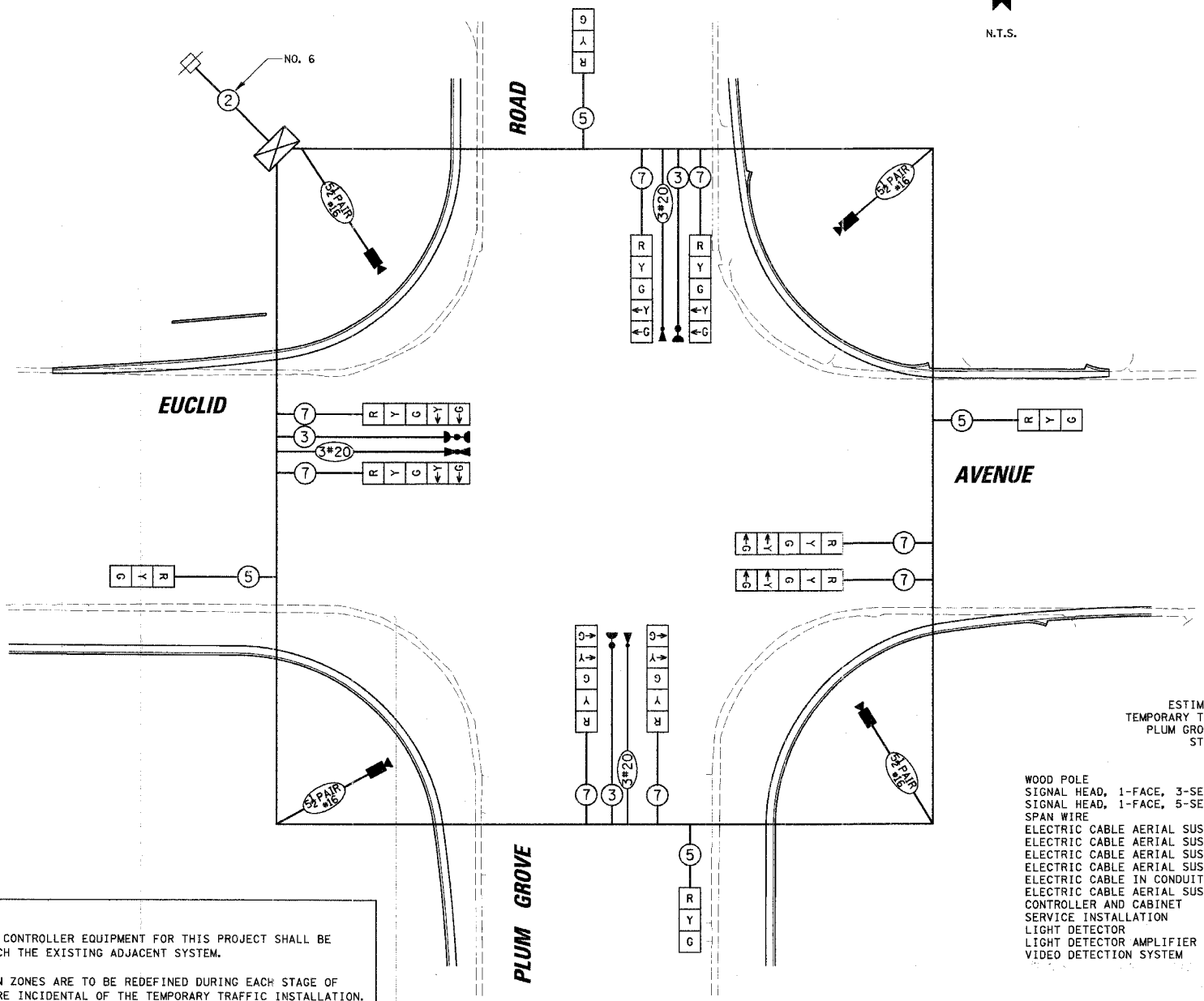
LEGEND
 ⊕ DUAL ENTRY PHASE
 * NUMBER REFERS TO ASSOCIATED PHASE

STAGE I - III TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE I - III TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	←



ESTIMATED BILL OF MATERIALS
 TEMPORARY TRAFFIC SIGNAL INSTALLATION
 PLUM GROVE ROAD AT EUCLID AVENUE
 STAGES I, II AND III

ITEM	UNIT	QUANTITY
WOOD POLE	EACH	5
SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	4
SIGNAL HEAD, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	4
SPAN WIRE	FOOT	620
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	390
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	1090
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	2170
ELECTRIC CABLE AERIAL SUSPENDED, COMMUNICATION, NO. 16, 5 1/2 PAIR	FOOT	580
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	210
ELECTRIC CABLE AERIAL SUSPENDED, NO. 20 3C, TWISTED, SHIELDED	FOOT	390
CONTROLLER AND CABINET	EACH	1
SERVICE INSTALLATION	EACH	1
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
VIDEO DETECTION SYSTEM	EACH	1

NOTES:
 1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 2. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL OF THE TEMPORARY TRAFFIC INSTALLATION.

TYPE	NO. OF LAMPS	WATTAGE		TOTAL WATTAGE
		INCAND.	LED x % OPERATION	
SIGNAL (RED)	12	135	0.50	810.00
(YELLOW)	12	135	0.25	405.00
(GREEN)	12	135	0.25	405.00
ARROW	16	135	0.10	216.00
PED. SIGNAL	---	90	1.00	---
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN	---	252	0.05	---
FLASHER	---		0.50	---

ENERGY COSTS TO: TOTAL = 1936.00
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: JOAN COOK
 PHONE: (847) 816-5461
 COMPANY: COMMONWEALTH EDISON

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE	
		STAGE I - III	
		PLUM GROVE ROAD AND EUCLID AVENUE	
		ROLLING MEADOWS, ILLINOIS	
		SCALE: N.T.S.	DRAWN BY: FPB/FCP
		DATE: 6/8/2006	DESIGNED BY: ABR
			CHECKED BY: GMZ

DATE: _____
 NO. _____
 PLAN _____
 CHECKED BY: _____
 DRAWN BY: _____
 DATE: _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE: _____
 NO. _____
 PROFILE _____
 CHECKED BY: _____
 DRAWN BY: _____
 DATE: _____

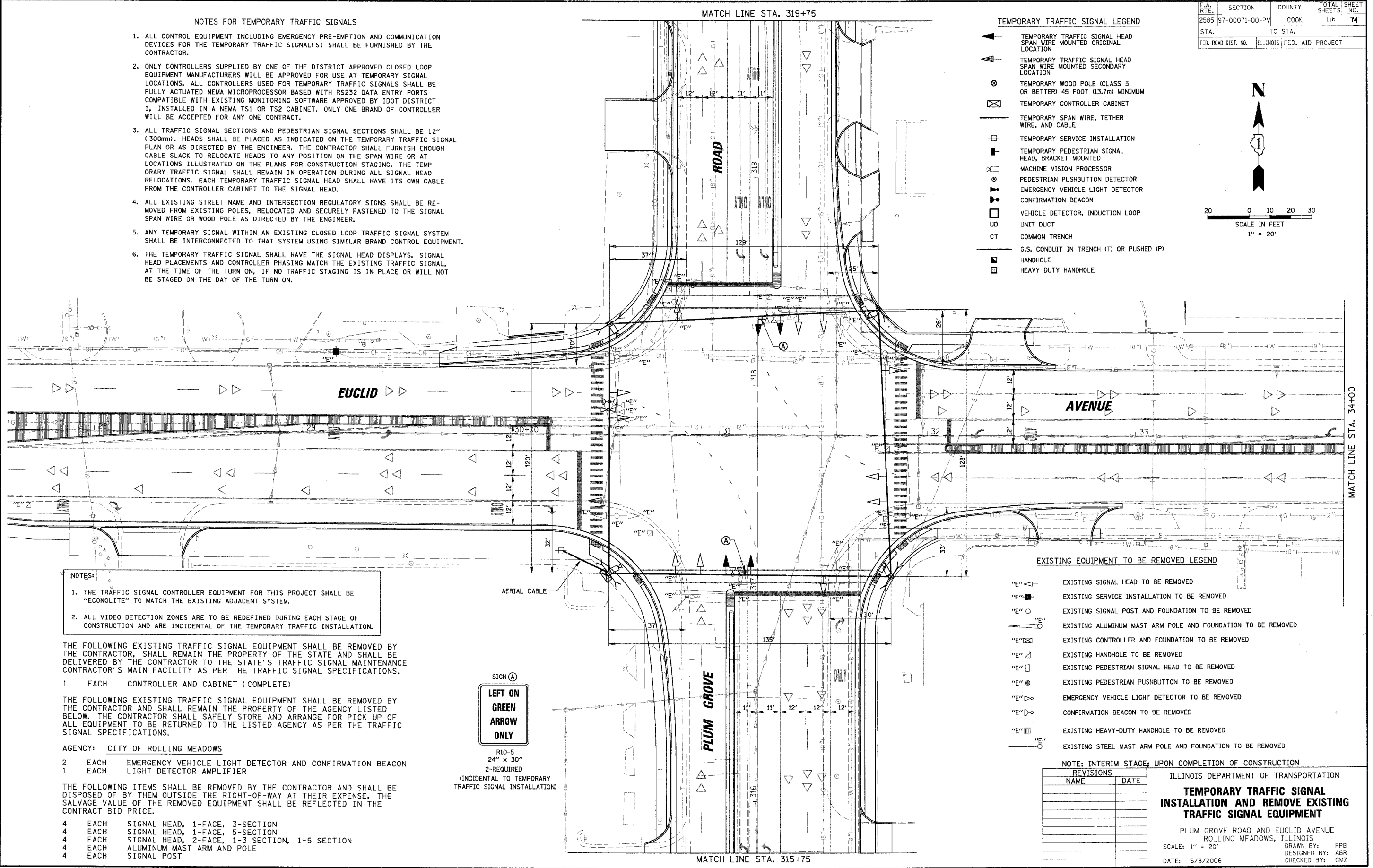
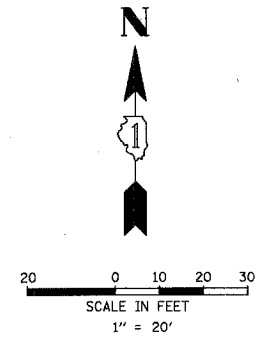
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	74
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

TEMPORARY TRAFFIC SIGNAL LEGEND

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



- NOTES:
- THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 - ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL OF THE TEMPORARY TRAFFIC INSTALLATION.

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

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- AGENCY: CITY OF ROLLING MEADOWS
- 2 EACH EMERGENCY VEHICLE LIGHT DETECTOR AND CONFIRMATION BEACON
1 EACH LIGHT DETECTOR AMPLIFIER

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

- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
4 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
4 EACH ALUMINUM MAST ARM AND POLE
4 EACH SIGNAL POST

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- "E" ▲ EXISTING SIGNAL HEAD TO BE REMOVED
- "E" ■ EXISTING SERVICE INSTALLATION TO BE REMOVED
- "E" ○ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" ⊙ EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" ⊠ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- "E" ⊕ EXISTING HANDHOLE TO BE REMOVED
- "E" ⊙ EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- "E" ⊙ EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
- "E" ⊙ EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- "E" ⊙ CONFIRMATION BEACON TO BE REMOVED
- "E" ⊙ EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- "E" ⊙ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

NOTE: INTERIM STAGE: UPON COMPLETION OF CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

PLUM GROVE ROAD AND EUCLID AVENUE
ROLLING MEADOWS, ILLINOIS

SCALE: 1" = 20'

DATE: 6/8/2006

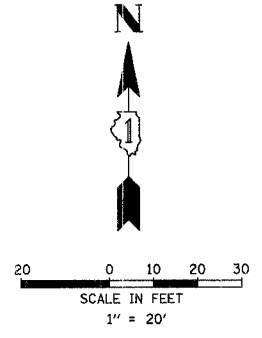
DRAWN BY: FBP
DESIGNED BY: ABR
CHECKED BY: GMZ

DATE: _____ BY: _____
SUBMITTED: _____
PLANNING: _____
DESIGNED: _____
CHECKED: _____
DATE: _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9675 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

DATE: _____ BY: _____
PROFILE: _____
NOTED: _____
DATE: _____

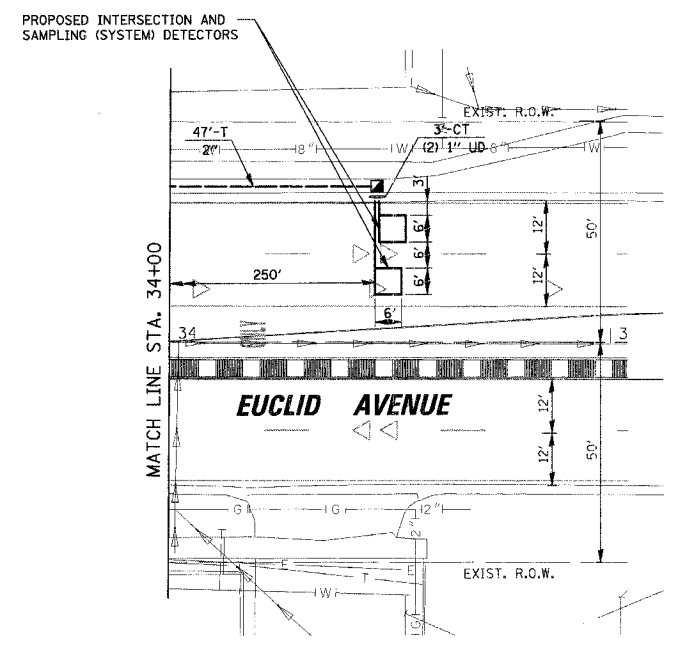
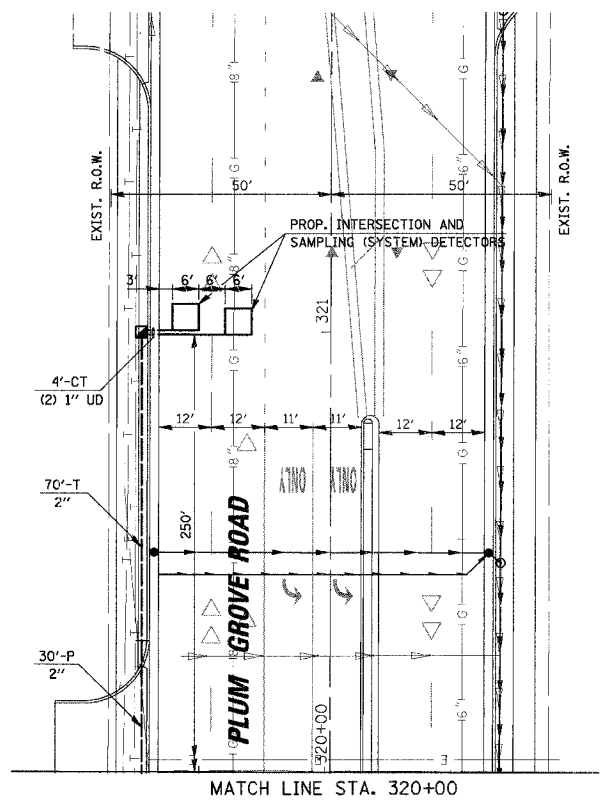
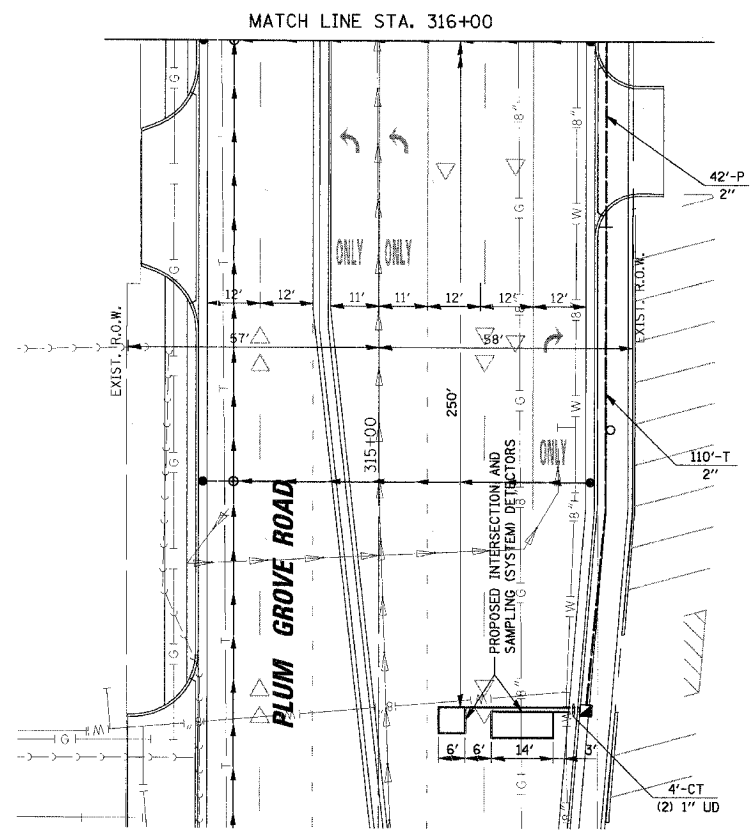
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	77
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN	SERVICES	DATE
NOTE BOOK	PLOTTED	
NO.	REVISIONS CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9875 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

PROFILE	DATE
NOTE BOOK	
NO.	



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

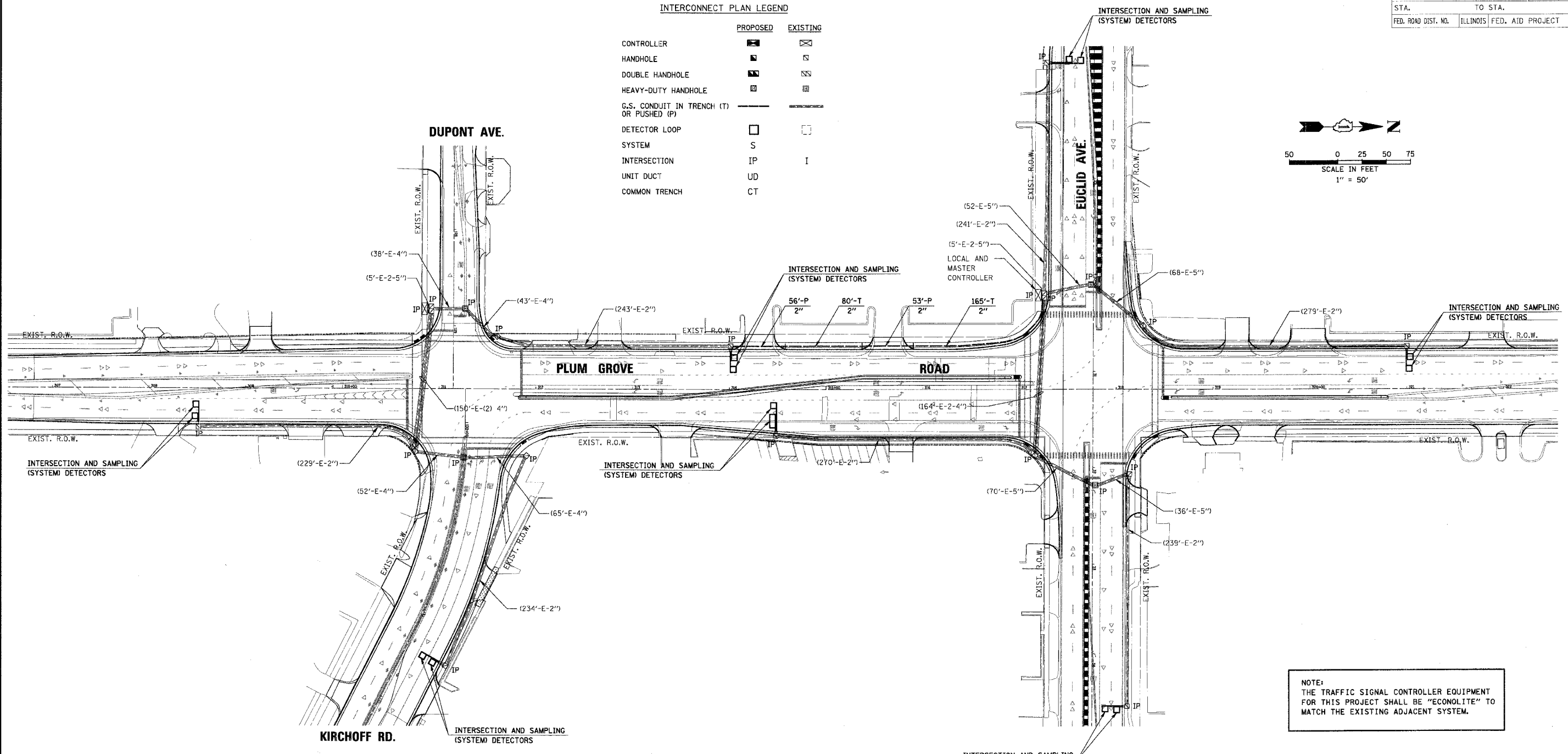
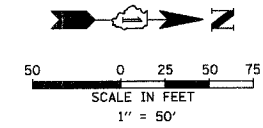
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC SIGNAL
 INSTALLATION PLAN**
 PLUM GROVE ROAD AND EUCLID AVENUE
 ROLLING MEADOWS, ILLINOIS
 SCALE: 1" = 20'
 DATE: 6/8/2006
 DRAWN BY: FPB
 DESIGNED BY: ABR
 CHECKED BY: GMZ

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	79
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INTERCONNECT PLAN LEGEND

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



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

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	245
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	109
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	245
MASTER CONTROLLER (SPECIAL)	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	722
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	FOOT	734
OPTIMIZE TRAFFIC SIGNAL SYSTEM (SPECIAL)	L SUM	1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
PLUM GROVE ROAD
FROM KIRCHOFF RD. / DUPONT AVE. TO EUCLID AVE.
SCALE: 1" = 50'
DATE: 6/8/2006
DRAWN BY: FPB/FCP
DESIGNED BY: ABR
CHECKED BY: GMZ

DATE: _____ BY: _____
PLAN: _____
NOTE BOOK: _____
NO.:

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

DATE: _____ BY: _____
PROFILE: _____
NOTE BOOK: _____
NO.:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	80
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

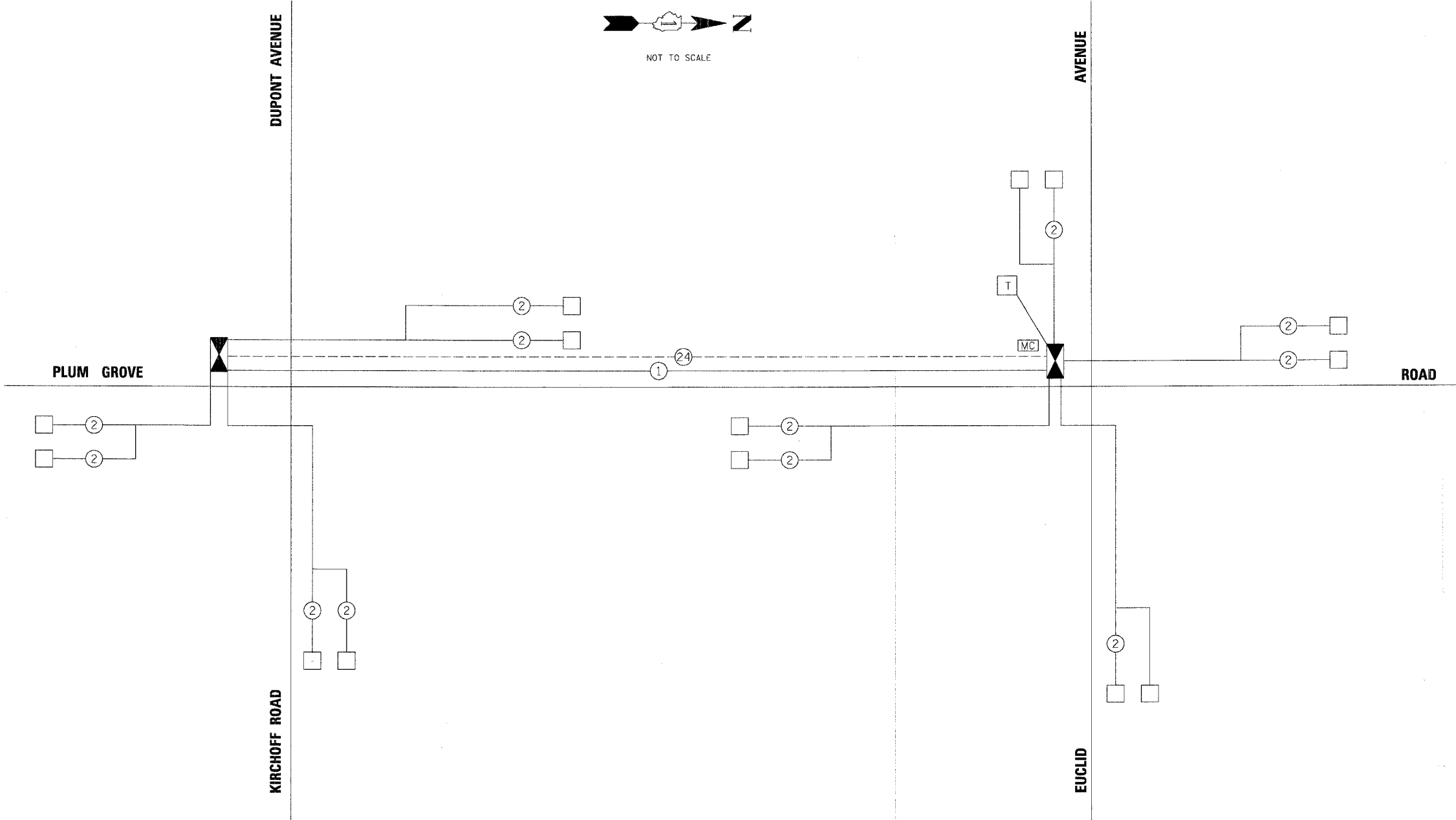
DATE	BY
DATE	BY
DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE	BY
DATE	BY
DATE	BY

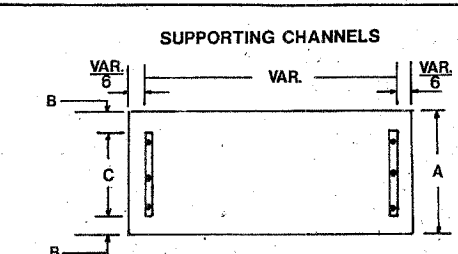
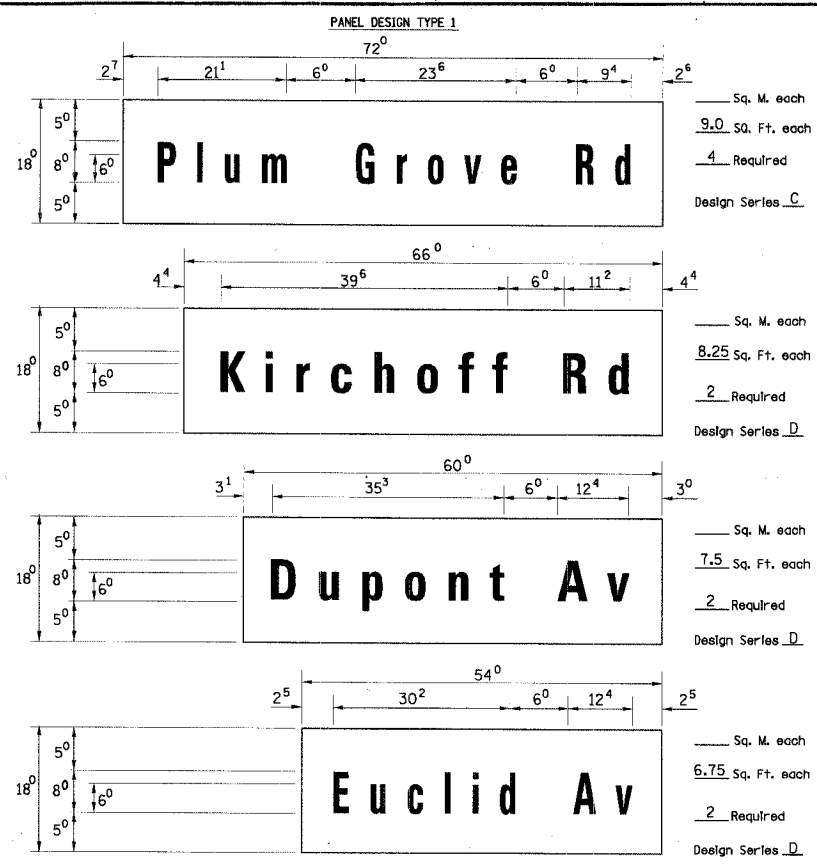
INTERCONNECT SCHEMATIC LEGEND

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

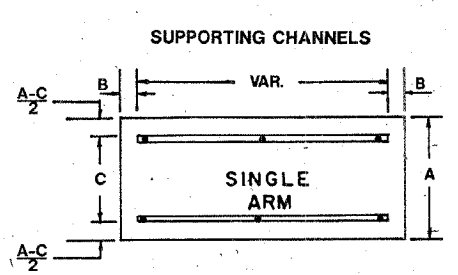
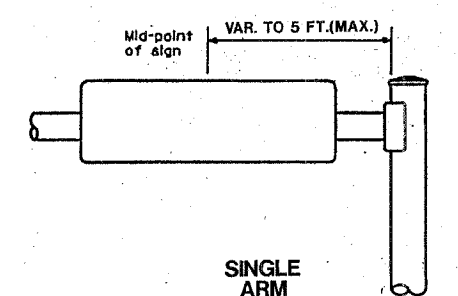


REVISIONS	
NAME	DATE

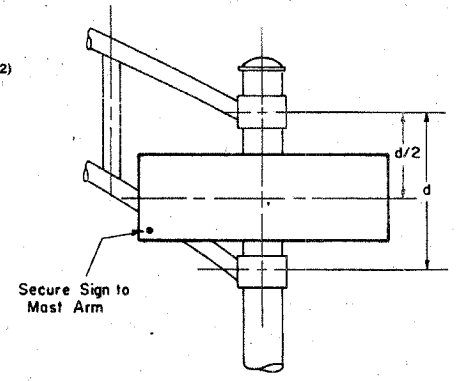
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT SCHEMATIC
 PLUM GROVE ROAD FROM
 KIRCHOFF ROAD/DUPONT AVENUE TO EUCLID AVENUE
 ROLLING MEADOWS, ILLINOIS
 SCALE: N.T.S. DRAWN BY: FPB
 DESIGNED BY: ABR
 DATE: 6/8/2006 CHECKED BY: GMZ



A	B	C
18"	2"	14"



A	B	C
30"	2"	22"



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
 Spacing Chart 8-6 Inch Series "C & D"
 EXAMPLE, 2③-DENOTES 3/8"

SERIES	SECOND LETTER															
	acde		bhikl		fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case
 Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	acde		bhikl		fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
adhgij	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
lmnqu	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
bfkops	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
ce	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
tz	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
vy	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number
 Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	14	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

UPPER AND LOWER CASE
 LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	C	D	C	D		C	D
A	36	50	50	65	a	35	42
B	32	40	43	53	b	35	42
C	32	40	43	53	c	35	41
D	32	40	43	53	d	35	42
E	30	35	40	47	e	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	g	35	42
H	32	40	43	53	h	35	42
I	07	07	11	12	i	11	11
J	30	36	40	50	j	20	22
K	32	41	43	54	k	35	42
L	30	35	40	47	l	11	11
M	37	45	51	61	m	60	70
N	32	40	43	53	n	35	42
O	34	42	45	55	o	36	43
P	32	40	43	53	p	35	42
Q	34	42	45	55	q	35	42
R	32	40	43	53	r	26	32
S	32	40	43	53	s	36	42
T	30	35	40	47	t	27	32
U	32	40	43	53	u	35	42
V	35	44	47	60	v	42	47
W	44	52	60	70	w	55	64
X	34	40	45	53	x	44	51
Y	36	50	50	66	y	46	53
Z	32	40	43	53	z	36	43

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

- GENERAL NOTES**
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS B34001, B34006 AND B34011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
 - ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
 - THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
 - ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
 - SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 - A.K.T. CORPORATION
 - SCHAUMBURG, IL
 - TUCKER COMPANY, INC.
 - WAUWATOSA, WI
 - AMERICAN FABRICATION CO.
 - CHICAGO HEIGHTS, IL
 - WESTERN TRAFFIC CONTROL INC.
 - CICERO, IL
- PARTS LISTING:**
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
 BRACKETS PART #HPN034 (UNIVERSAL)
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
 SELF TAPPING WITH NEOPRENE WASHER
- OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

REVISIONS

NAME	DATE
D.A.Z./D.A.B.	11/90
	8-98

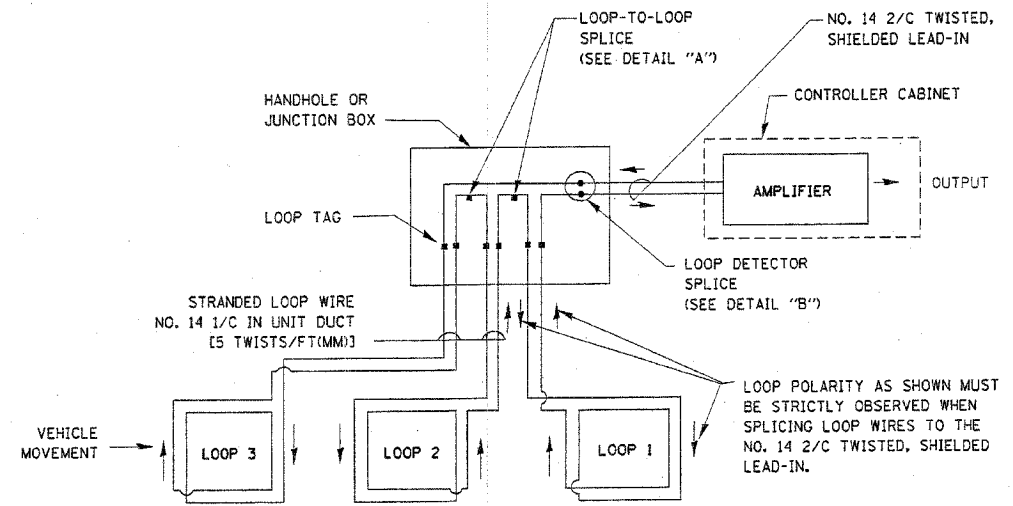
Illinois Department of Transportation
 DISTRICT I
**MAST ARM MOUNTED
 STREET NAME SIGNS**

SCALE: VERT. NONE
 HORIZ. 2-26-79
 DATE: _____
 DRAWN BY: TJR
 CHECKED BY: RRF

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	18	82
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOP DETECTOR NOTES

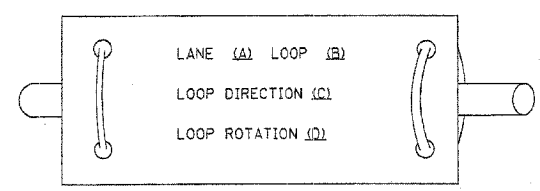
1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED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



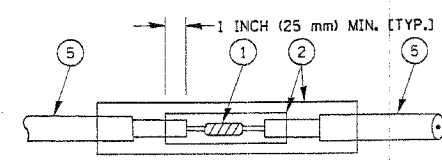
DETECTOR LOOP WIRING SCHEMATIC

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

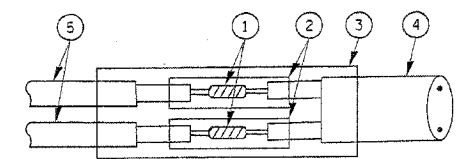
LOOP LEAD-IN CABLE TAG



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



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



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

LOOP DETECTOR SPLICE

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

REVISIONS	
NAME	DATE

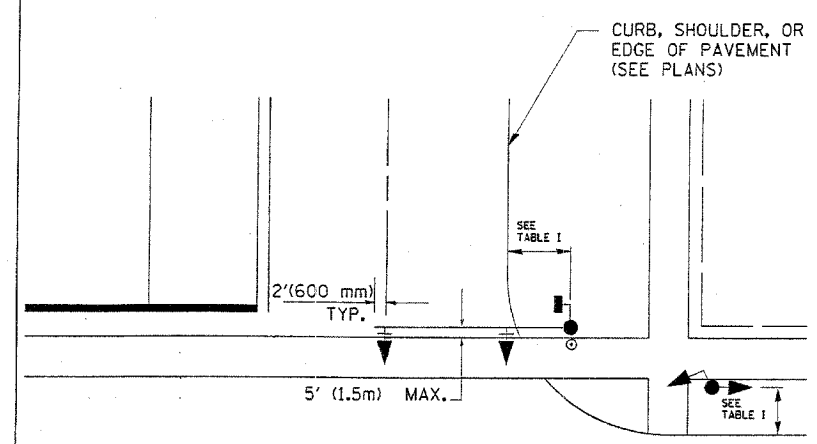
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

VERT. NONE
SCALE: HORIZ.
DATE 1-01-02
DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 1 OF 4

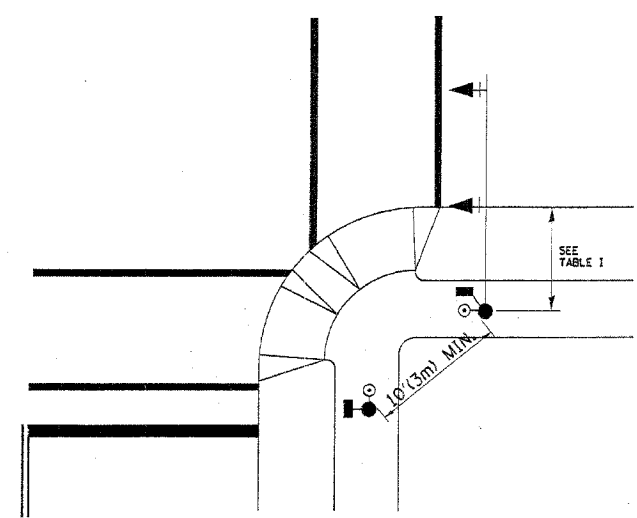
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	116	83
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND POST

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



PEDESTRIAN SIGNAL PUSHBUTTON



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

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.
 AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.
 PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL-WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

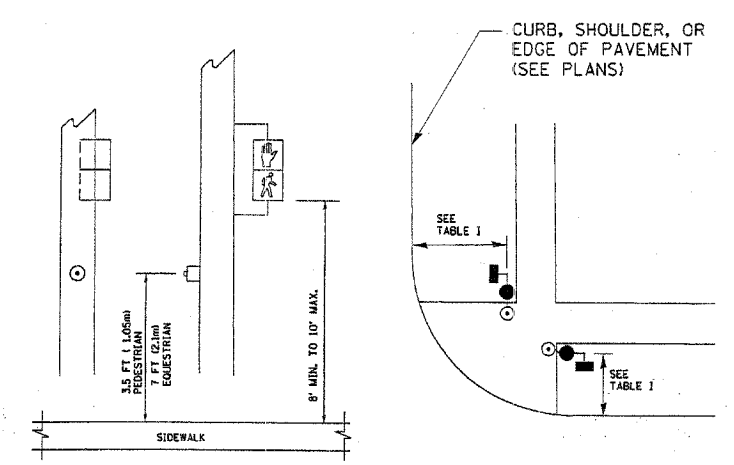


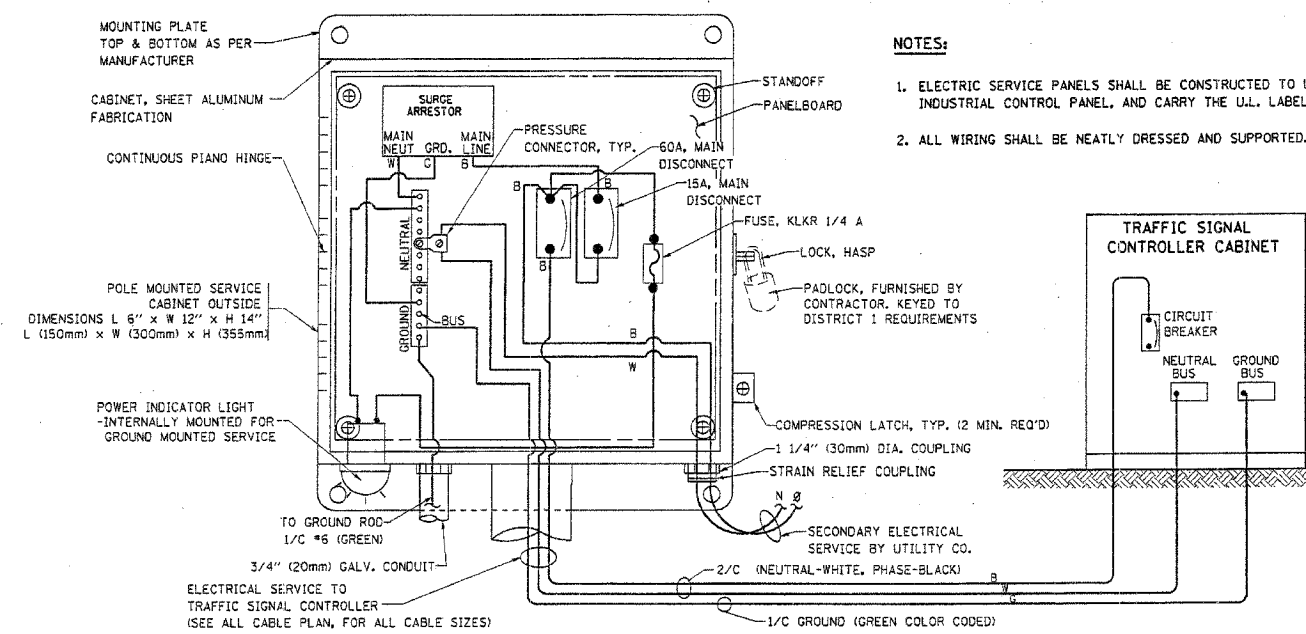
TABLE I

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

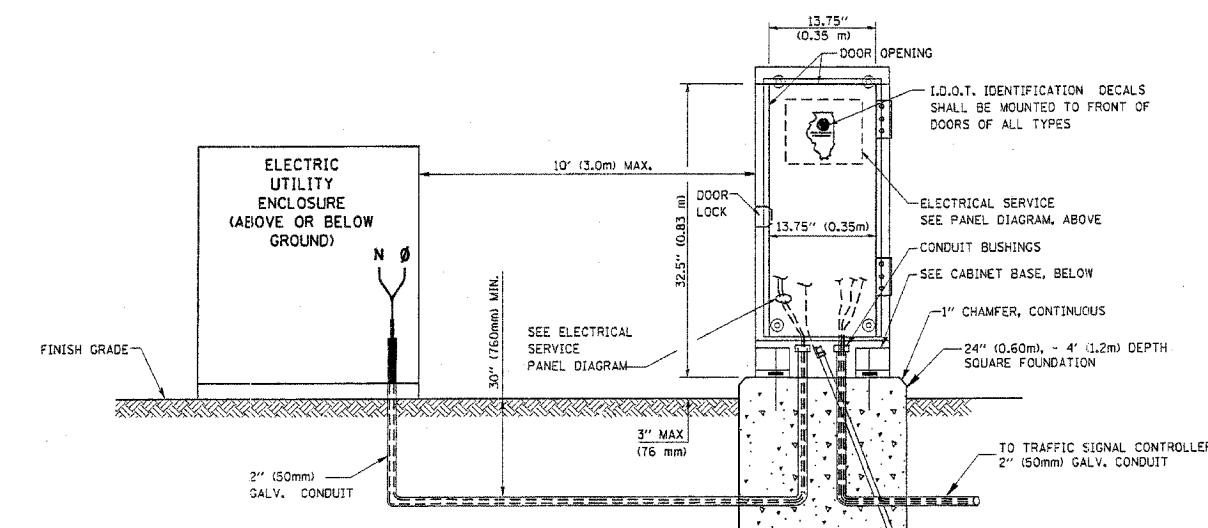
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SCALE: VERT. NONE HORIZ. NONE DATE 1-01-02
NAME	DATE	

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

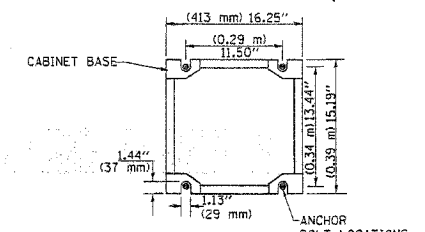
F.A. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	116	84
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



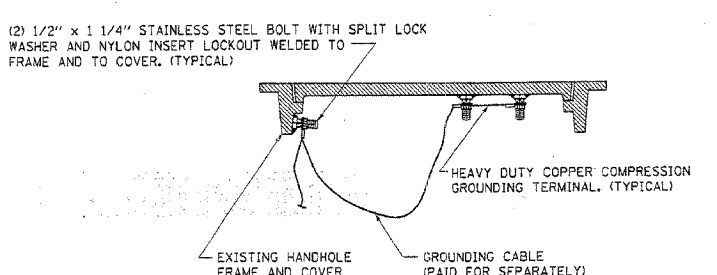
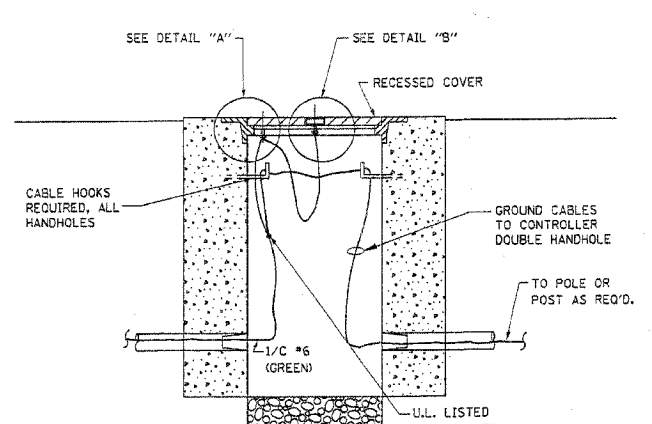
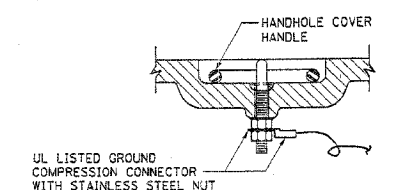
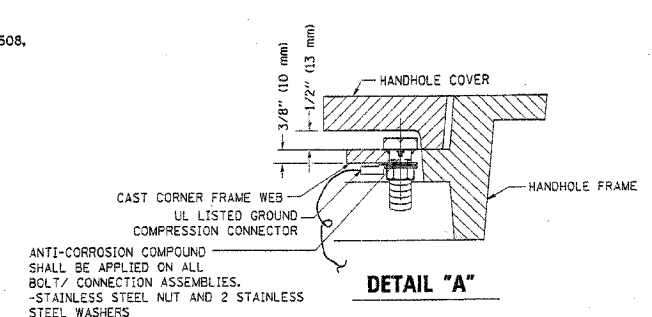
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)



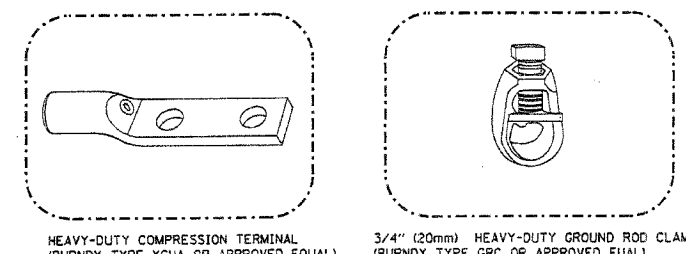
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



NOTES:

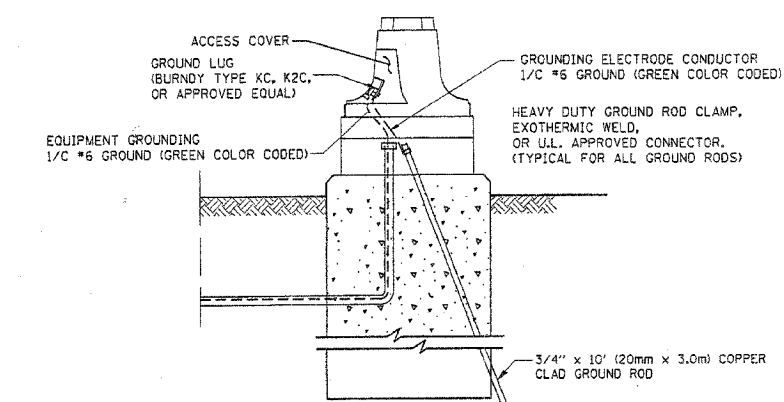
GROUNDING SYSTEM

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



NOTES:

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

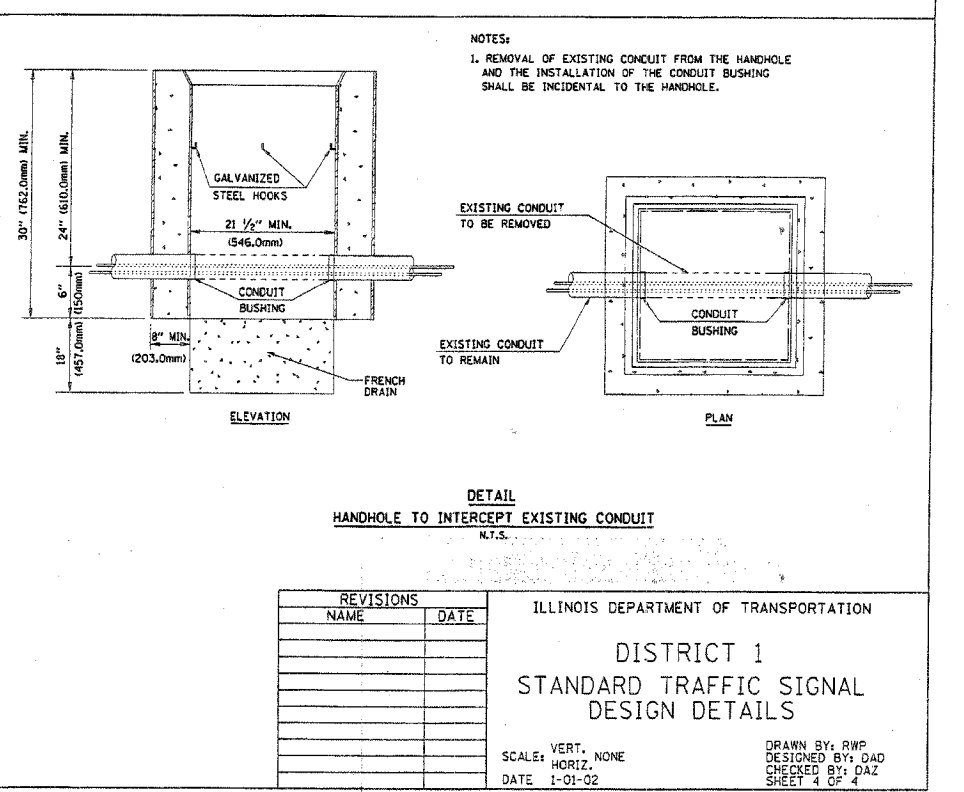
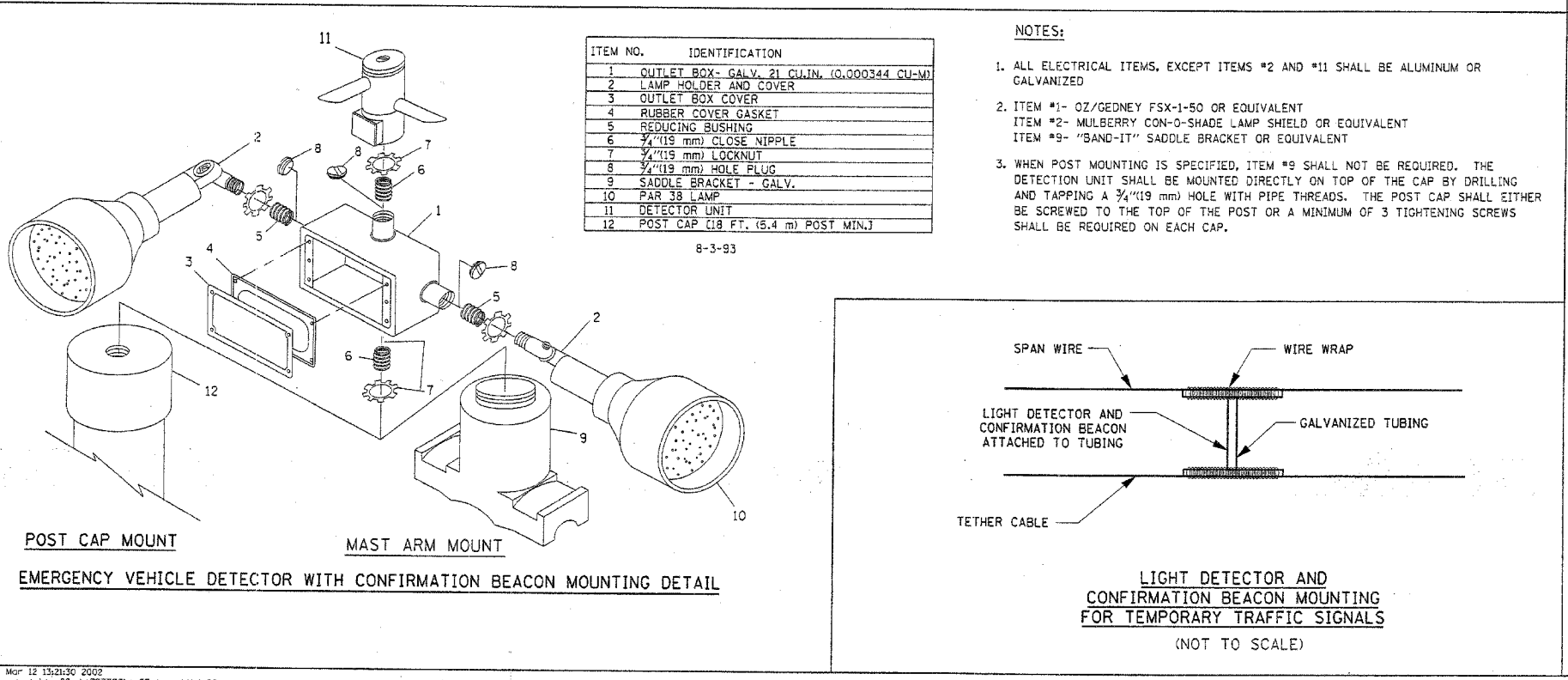
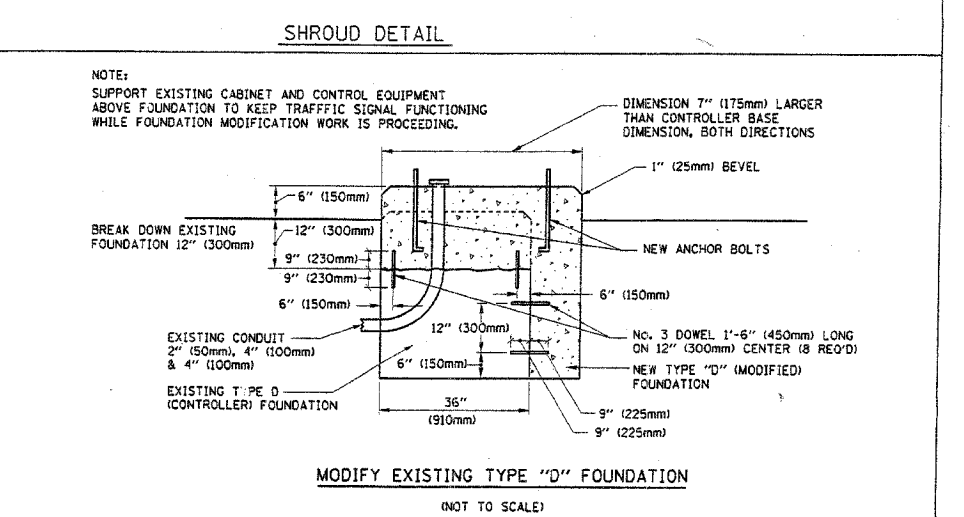
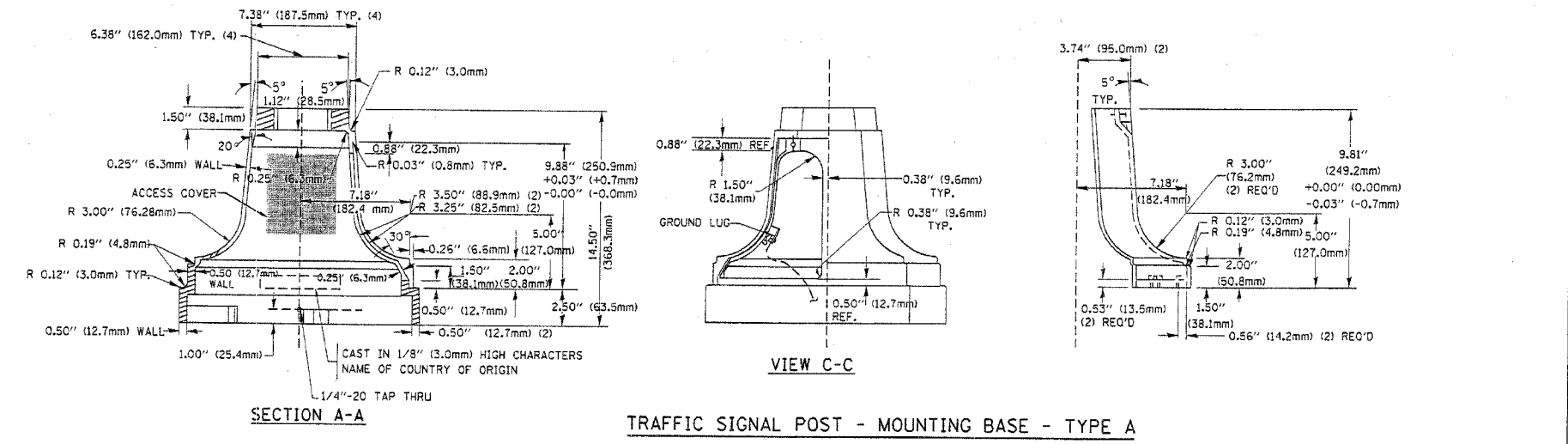
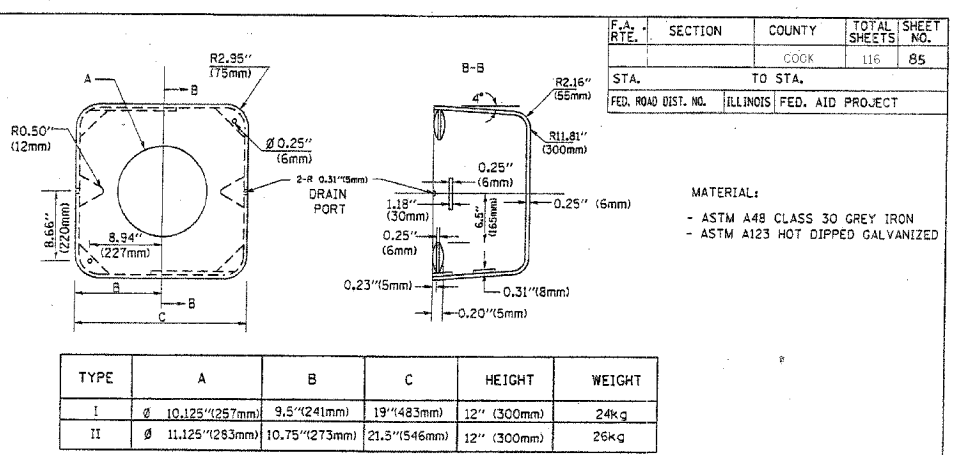
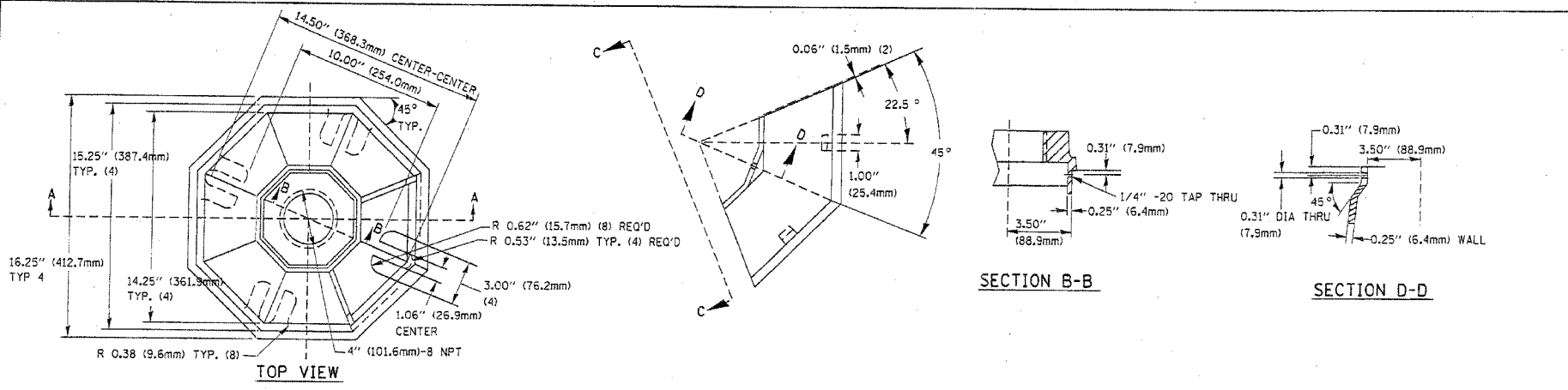


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE
 HORIZ. DATE 1-01-02

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	116	85
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: VERT. NONE
HORIZ. 1"=0'-02"

DATE 1-01-02

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

County	Fiscal Year	Sheet No.	Total Sheets
Highway		87	116

NOTES (SUPPLEMENTAL TO I.D.O.T. STANDARDS)

STANDARDS 606101, 606201 AND 606006 - TYPE A GUTTER, TYPE B GUTTER AND OUTLET FOR CURB AND GUTTER

TIE BARS SHALL BE NO. 15 (NO. 5) SPACED AT 750 mm (30 IN.) CENTERS.

CONCRETE INLETS, ENTRANCES AND OUTLETS FOR GUTTER OR COMBINATION CURB AND GUTTER SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR THE PARTICULAR TYPE OF GUTTER OR COMBINATION CURB AND GUTTER SPECIFIED.

STANDARD 606001 - CURB AND COMBINATION CURB AND GUTTER

VARIABLE CURB TABLE					
TYPE	A	B	C	D	R
B-V.30 (B-V.12)	300 (12)	50 (2)	125 (5)	VARIES	25 (1)
B-V.45 (B-V.18)	450 (18)	50 (2)	125 (5)	VARIES	25 (1)
B-V.60 (B-V.24)	600 (24)	50 (2)	125 (5)	VARIES	25 (1)

VARIABLE CURB AND GUTTER SHALL BE CONSTRUCTED WITH THE HEIGHT OF CURB VARYING BETWEEN 100 mm (4 IN.) AND 225 mm (9 IN.), AS REQUIRED, THE TOP OF CURB ELEVATION SHALL BE DETERMINED BY THE ENGINEER.

LONGITUDINAL JOINT TIE BARS SHALL BE NO. 15 (NO. 5) SPACED AT 750 mm (30 IN.) CENTERS. AT THE CONTRACTOR'S OPTION, TIE BARS MAY BE BENT AT RIGHT ANGLES AGAINST THE EDGE OF THE CONCRETE PAVEMENT AND STRAIGHTENED INTO FINAL POSITION BEFORE THE CURB AND GUTTER IS PLACED, SUBJECT TO THE APPROVAL OF THE ENGINEER.

WHERE EXISTING CURB AND GUTTER IS TO BE REMOVED AND REPLACED ADJACENT TO EXISTING CONCRETE PAVEMENT REMAINING IN PLACE, THE CONTRACTOR SHALL PERFORM THE REMOVAL SO THAT THE EXISTING TIE BARS CAN BE USED IN TYING THE NEW CURB AND GUTTER TO THE EXISTING PAVEMENT. ANY TIE BARS WHICH ARE DAMAGED OR MISSING SHALL BE REPLACED WITH NO. 20 (NO. 6) TIE BARS, 600 mm (24 INCHES) LONG, EMBEDDED 200 mm (8 INCHES) AT 600 mm (24 INCH) CENTERS IN ACCORDANCE WITH ARTICLE 420.10 (B) OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TIE BARS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PARTICULAR TYPE OF CURB AND GUTTER SPECIFIED.

THE DEPTH OF THE CURB OR COMBINATION CURB AND GUTTER SHALL BE EQUIVALENT TO THE DEPTH OF THE ADJACENT PAVEMENT, REGARDLESS OF PAVEMENT COMPOSITION.

STANDARD 353001 - PCC BASE WITH BITUMINOUS BINDER AND SURFACE COURSE

TIE BARS SHALL BE NO. 15 (NO. 5) SPACED AT 750 mm (30 IN.) CENTERS.

STANDARD 420001 - PAVEMENT JOINTS

JOINTS AND REINFORCEMENT BARS SHALL BE PLACED IN ACCORDANCE WITH THE P.C. CONCRETE PAVEMENT DETAIL SHOWN ON THIS SHEET.

LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET. AT THE CONTRACTOR'S OPTION, TIE BARS MAY BE BENT AT RIGHT ANGLES AGAINST THE TYPE C METAL JOINT AND STRAIGHTENED INTO FINAL POSITION BEFORE THE ADJACENT CONCRETE PAVEMENT POUR, SUBJECT TO THE APPROVAL OF THE ENGINEER.

TIE BARS SHALL BE NO. 15 (NO. 5).

TRANSVERSE SAWED CONTRACTION JOINTS, TRANSVERSE CONSTRUCTION JOINTS AND JOINTS AT CONTRACT TERMINALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS SHEET.

STANDARD 420701 - PAVEMENT FABRIC

PAVEMENT FABRIC DEPTH SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.

DISREGARD ALL DETAILS AND NOTES REGARDING PAVEMENTS BLOCK-OUTS, AND COMPLY WITH STANDARD 420111-P.C.C. PAVEMENT ROUNDOUTS AT ALL DRAINAGE/UTILITY STRUCTURE LOCATIONS.

STANDARD 442101 - CLASS B PATCHES

IF A SAWED LONGITUDINAL JOINT IS REQUIRED, TIE BARS SHALL BE NO. 15 (NO. 5) SPACED AT 750 mm (30 IN.) CENTERS.

STANDARD 442201 - CLASS C AND D PATCHES

CLASS C PATCHES SHALL BE TIED TO THE EXISTING PAVEMENT ALONG ALL SIDES OF THE PATCH WITH NO. 20 (NO. 6) TIE BARS, 600 mm (24 INCHES) LONG, EMBEDDED 200 mm (8 INCHES) AT 600 mm (24 INCH) CENTERS IN ACCORDANCE WITH ARTICLE 420.10 (B) OF THE STANDARD SPECIFICATIONS. MINIMUM 3 BARS ON EACH SIDE. THE COST OF FURNISHING AND INSTALLING THE TIE BARS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR CLASS C PATCHES.

ALL GUARDRAIL AND TRAFFIC BARRIER TERMINAL STANDARDS

BITUMINOUS SHOULDERS, SUPERPAVE 150 mm (6 IN.), SHALL BE PLACED UNDERNEATH THE ENTIRE LENGTH OF ALL PROPOSED GUARDRAIL AND TRAFFIC BARRIER TERMINALS AND EXTEND 0.6 m (2 FT.) BEYOND THE TERMINAL ENDS. THE WIDTH OF THE SHOULDER SHALL EXTEND ONE FOOT BEYOND EITHER SIDE OF THE POSTS FOR THE GUARDRAIL AND TRAFFIC BARRIER TERMINALS AND AS SHOWN ON THE PLANS. EARTH EXCAVATION NECESSARY FOR PLACEMENT OF THE SHOULDER SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR BITUMINOUS SHOULDERS, SUPERPAVE 150 mm (6 IN.).

NOTE:
THE INTENT OF THIS STANDARD IS TO REFLECT ADDITIONS OR VARIATIONS TO I.D.O.T. STANDARDS CONTAINED IN THE PLANS. THIS STANDARD SHALL GOVERN OVER THE I.D.O.T. STANDARDS.

DETAIL NOTES

SEE I.D.O.T. STANDARDS FOR DETAILS NOT SHOWN.

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

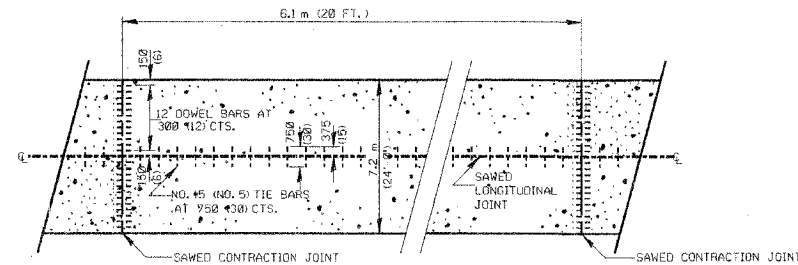
ALL TIE BAR SIZES ARE METRIC (STANDARD)

t = PAVEMENT THICKNESS

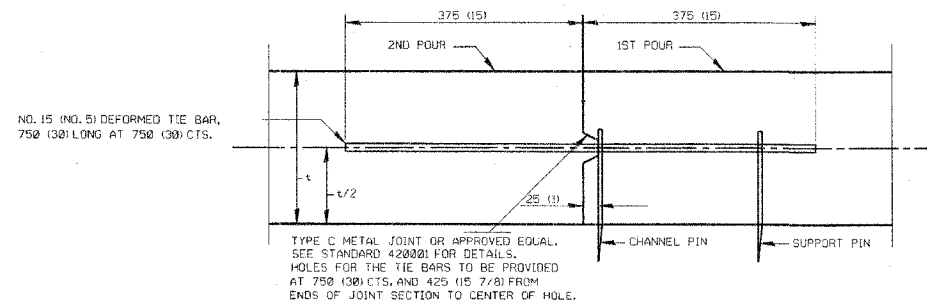
REVISED: OCT. 2004 (REMOVED SAWED CONTRACT JT. DETAILS)
REVISED: SEPTEMBER 2004 (20 FT. SAWED CONTRACT, JT.)
REVISED: JUNE 2004 (SAWED CONTRACT, JT.)
REVISED: DEC. 2002
REVISED: NOVEMBER 2000

COOK COUNTY DETAILS
(FOR EUCLID AVENUE ONLY)

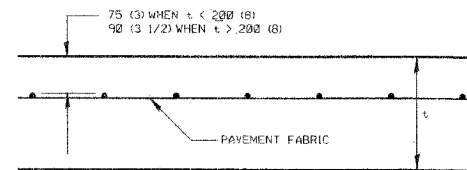
COUNTY OF COOK	
DEPARTMENT OF HIGHWAYS	
DETAILS AND NOTES FOR CONSTRUCTION OF PAVEMENT AND PAVEMENT APPURTENANCES (SUPPLEMENTAL TO I.D.O.T. STANDARDS)	
COMPUTED	S.M.V.
DRAWN	V.M.
CHECKED	D.J.S.



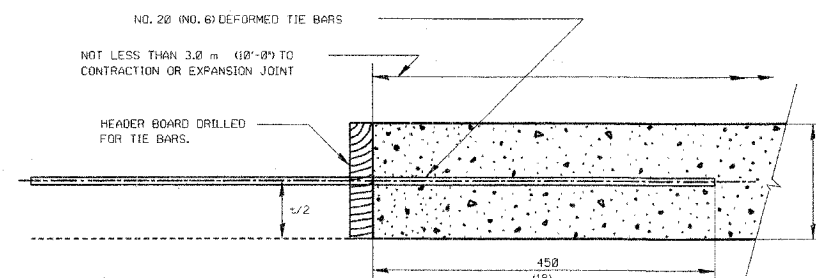
P.C. CONCRETE PAVEMENT DETAIL
SEE I.D.O.T. STANDARDS 420001 AND 420701 FOR ADDITIONAL DETAILS



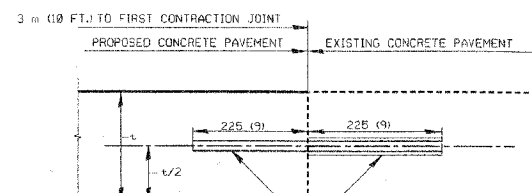
LONGITUDINAL CONSTRUCTION JOINT DETAIL
TYPE A - INSTALL TIE BARS
TYPE B - OMIT TIE BARS



PAVEMENT FABRIC DETAIL
SEE I.D.O.T. STANDARD 420701 FOR ADDITIONAL DETAILS



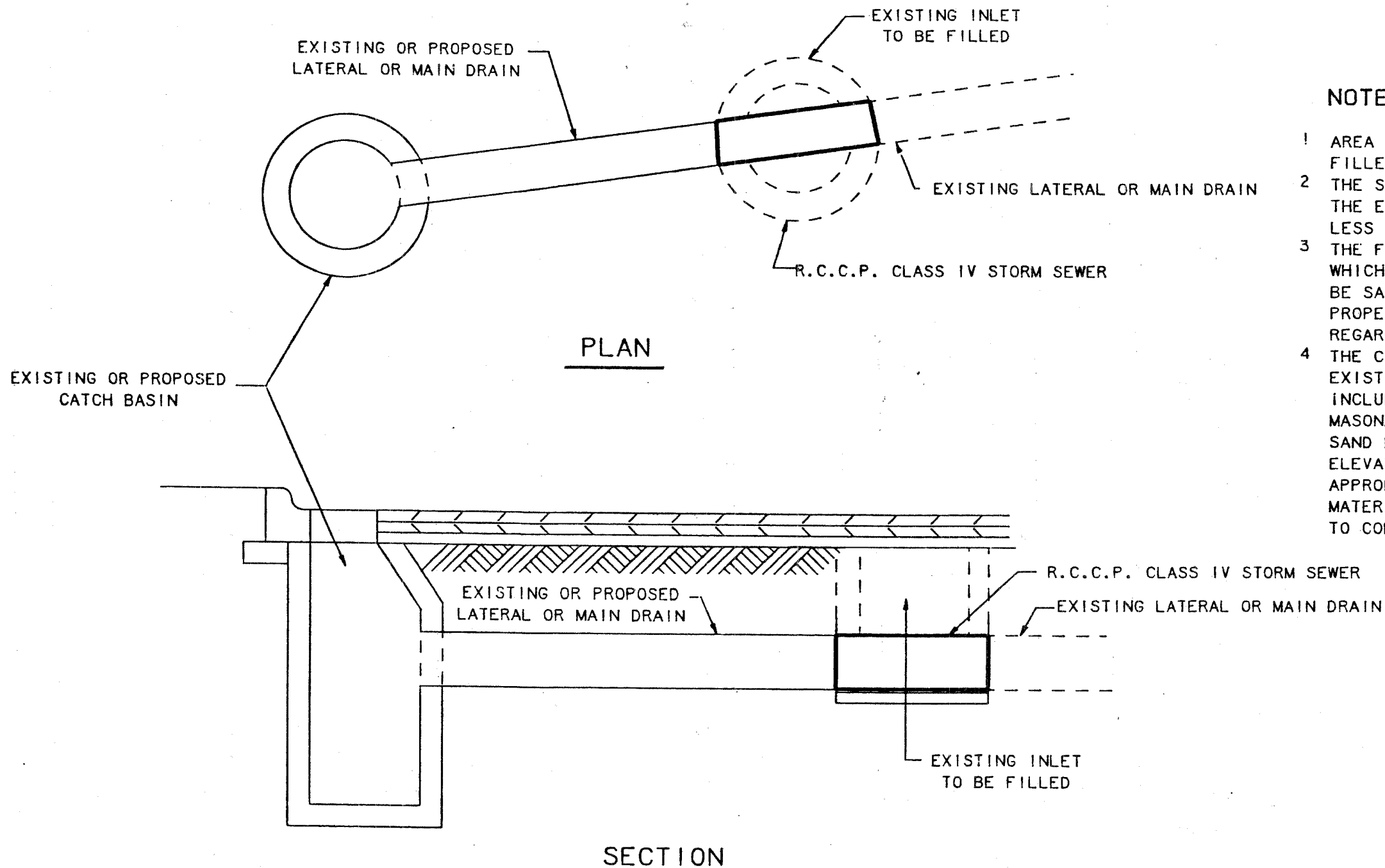
TRANSVERSE CONSTRUCTION JOINT DETAIL



DOWEL BARS - SIZE AND SPACING SHALL BE THE SAME AS THAT USED AT SAWED CONTRACTION JOINTS.
DRILL AND GROUT - IF DOWEL BARS HAVE NOT BEEN PROVIDED IN THE EXISTING PAVEMENT, THEY SHALL BE FURNISHED AND INSTALLED AS SHOWN. THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR P.C. CONCRETE PAVEMENT.

JOINT DETAIL AT CONTRACT TERMINAL(S)

County Highway	Fiscal Year	Sheet No.	Total Sheets
		88	116



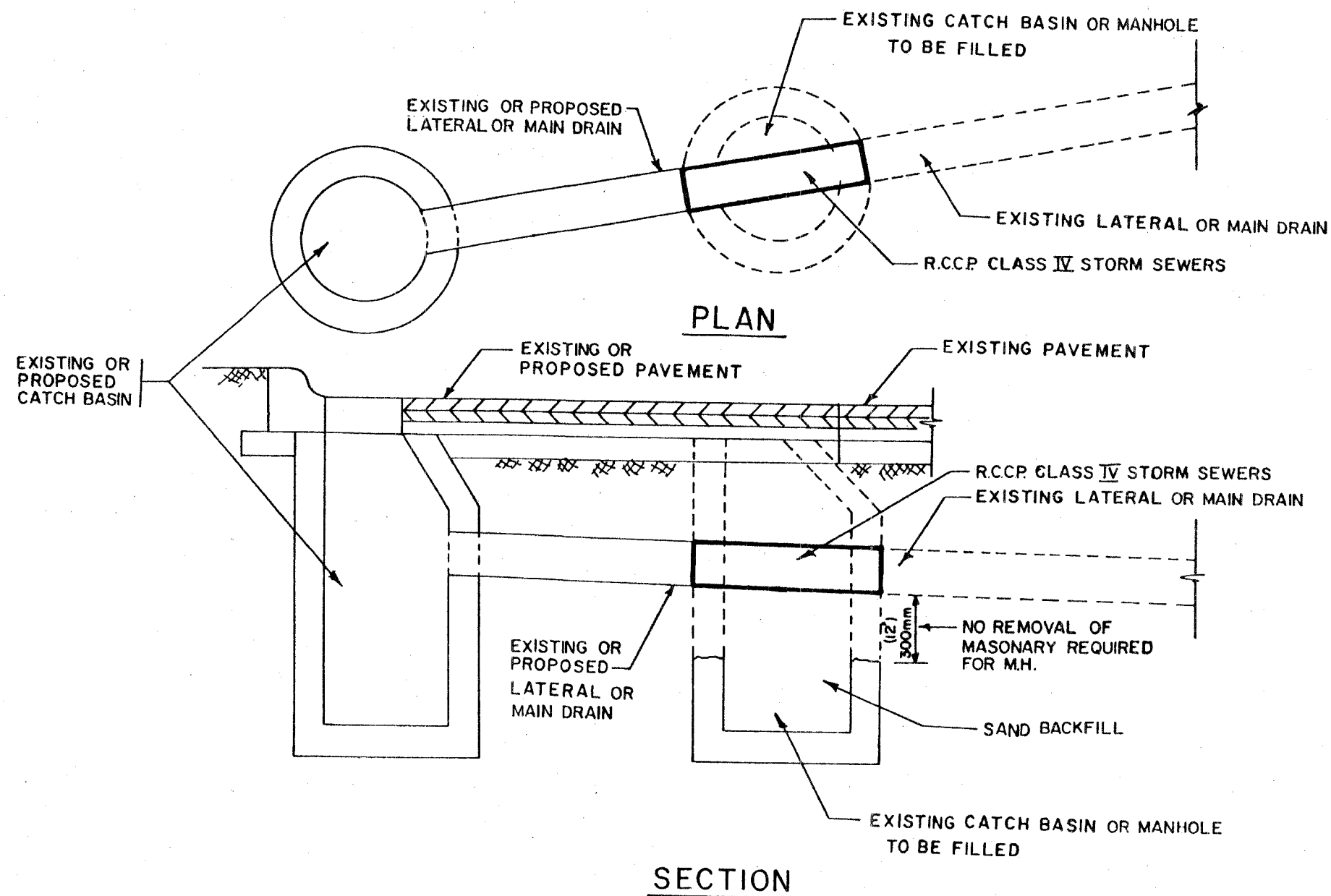
NOTES

- 1 AREA OF EXISTING INLET SHALL BE FILLED WITH SAND.
- 2 THE STORM SEWER FOR CONNECTION THROUGH THE EXISTING INLET SHALL BE NO LESS THAN 305mm (12IN.) IN DIAMETER.
- 3 THE FRAME AND LID OF THE EXISTING INLET WHICH ARE TO BE FILLED ARE TO BE SALVAGED AND STOCKPILED. THE PROPER AGENCY IS TO BE NOTIFIED REGARDING THEIR RETRIEVAL.
- 4 THE CONTRACT UNIT PRICE, FILLING EXISTING INLET (SPECIAL) SHALL INCLUDE THE REMOVAL OF EXISTING MASONRY, ALL BACKFILLING WITH SAND BACKFILL TO THE SUB GRADE ELEVATION, A MINIMUM 1.5m (5') OF THE APPROPRIATE PIPE AND ALL OTHER MATERIALS AND LABOR NECESSARY TO COMPLETE THIS INSTALLATION.

DETAIL OF STORM SEWER THROUGH EXISTING INLET

STANDARD A-79-A	
COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
FILLING EXISTING INLET (SPECIAL)	
COMPUTED T.M.P.	APPROVED 11-12-88
DRAWN T.M.P.	<i>Thomas J. Papp</i>
CHECKED D.A.P.	<i>Andrew J. Papp</i>

County Highway	Fiscal Year	Sheet No.	Total Sheets
		89	116



DETAIL OF STORM SEWER THROUGH EXISTING CATCH BASIN

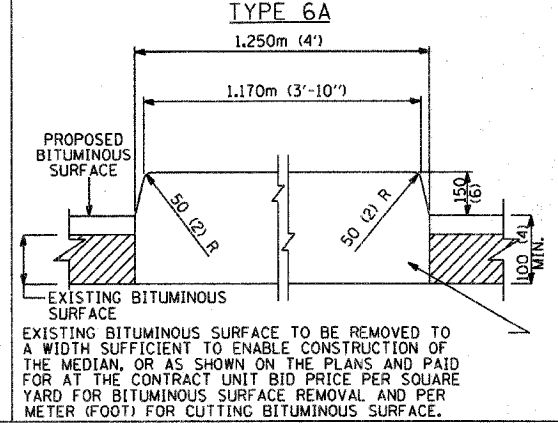
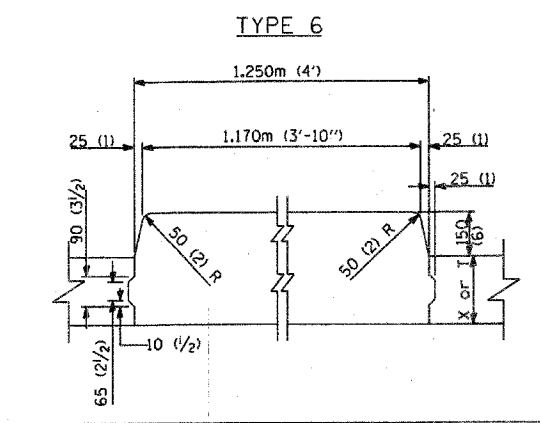
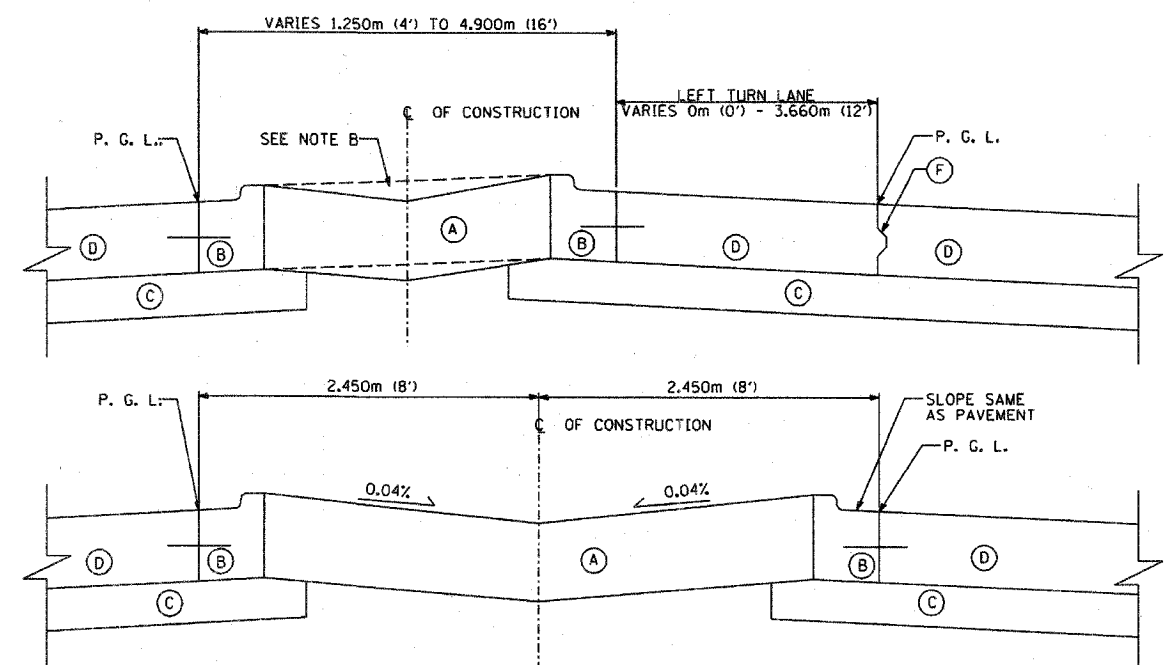
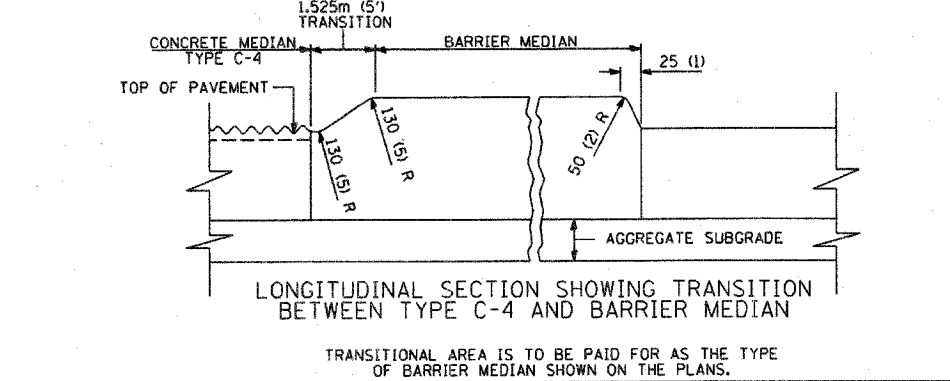
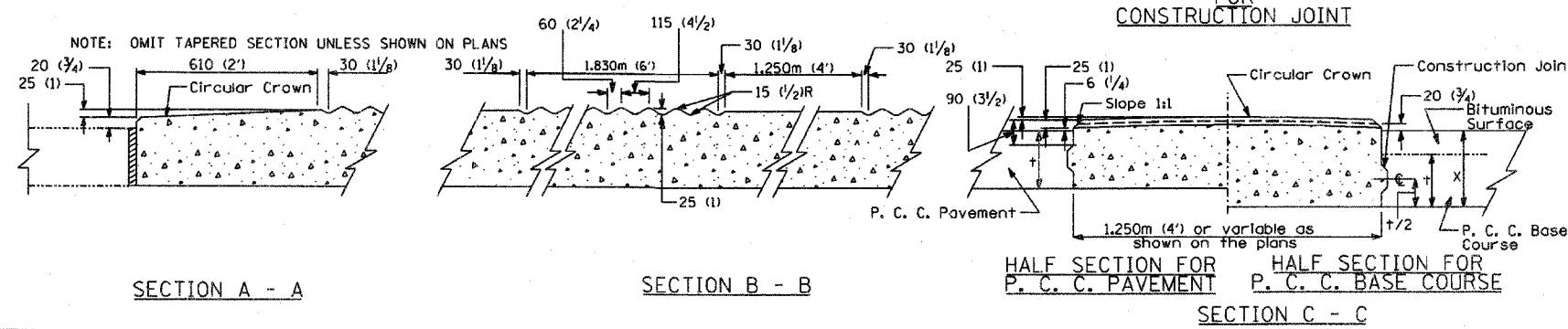
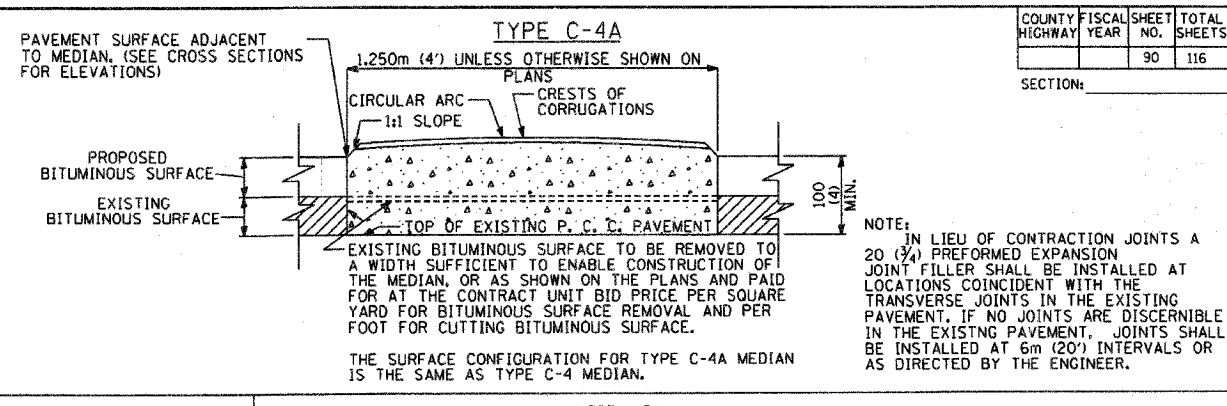
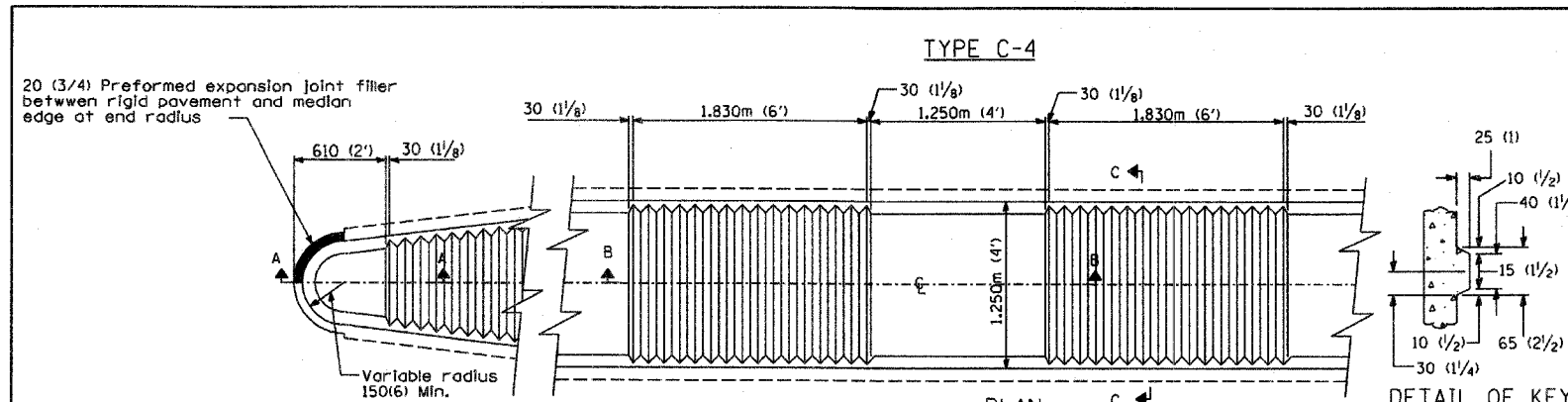
NOTES

1. WALLS OF EXISTING CATCH BASIN TO BE REMOVED TO A LEVEL AT LEAST 300mm (1FT) BELOW PIPE.
2. EXISTING CATCH BASIN SHALL BE FILLED WITH SAND.
3. THE STORM SEWER FOR CONNECTION THROUGH THE EXISTING CATCH BASIN SHALL BE NO LESS THAN 300mm (12 IN.)
4. THE FRAME AND LID OF EXISTING CATCH BASINS WHICH ARE TO BE FILLED ARE TO BE SALVAGED AND STOCKPILED. THE PROPER AGENCY IS TO BE NOTIFIED REGARDING THEIR RETRIEVAL.
5. THE CONTRACT UNIT PRICE, FILLING EXISTING CATCH BASIN (SPECIAL) OR FILLING EXISTING MANHOLE (SPECIAL) SHALL INCLUDE THE REMOVAL OF EXISTING MASONRY, ALL BACK FILLING WITH SAND BACKFILL TO THE SUB GRADE ELEVATION, A MINIMUM 1.5m (5) OF THE APPROPRIATE PIPE AND ALL OTHER MATERIALS AND LABOR NECESSARY TO COMPLETE THIS INSTALLATION.

STANDARD A-79	
COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
FILLING EXISTING CATCH BASIN OR MANHOLE (SPECIAL)	
COMPUTED SDR	APPROVED 11-11-11
DRAWN RMC	<i>Dennis A. Lopez</i>
CHECKED DAP	<i>Meredith D. Hennigan</i>

COOK COUNTY DETAILS
(FOR EUCLID AVENUE ONLY)

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		90	116



GENERAL NOTES

Dimension "t" is equal to the adjacent Pavement edge thickness or Base Course edge thickness

Dimension "x" is equal to the adjacent Base Course edge thickness plus the Bituminous Surface edge thickness.

EXPANSION JOINTS - Shall be of the type similar to that in the adjacent pavement except dowel bars will not be required.

CONTRACTION JOINTS - Shall be constructed and sealed in the same manner as the joints in the adjacent pavement, or shall be constructed with 20(3/4) prefomed expansion joint filler conforming to full cross-section of the median. Dowel Bars are to be omitted in median joints.

The earth work shall be considered as being incidental to Earth Excavation.

Plan views of medians shown are typical. Median layout and radii shall be as shown on the plans.

Medians may vary in width as required on the plans, but regardless of any width variation shall be measured and paid for at the contract unit price per square foot for concrete median of the type specified.

The vertical edge dimension for Type C-4 Median shall be 250(10) when constructed adjacent to flexible pavement. Also, keyway shall be omitted and contraction joints shall be installed at 6m (20') intervals.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
PASSED May 29 1975	ISSUED 12 - 12 - 62
Engineer of Design Operations	REVISIONS
	W. F. 8 - 27 - 68
	W. F. 1 - 15 - 69
	W. F. 10 - 1 - 69
	D. W. 9 - 4 - 73
	D. W. 10 - 31 - 74
	D. W. 5 - 29 - 75
	D. W. 7 - 15 - 77
APPROVED May 29 1975	
Engineer of Design	

- NOTE B: AT LOCATIONS NOTED ON THE PLANS THE MEDIAN SURFACE SHALL BE A STRAIGHT LINE FROM TOP OF CURB TO TOP OF CURB.
- (A) BITUMINOUS SHOULDERS, 305 (12)
 - (B) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-5.30 (M-2.12)
 - (C) AGGREGATE SUBGRADE 305 (12)
 - (D) PORTLAND CEMENT CONCRETE PAVEMENT 255 (10)
 - (E) CONSTRUCTION JOINT (FOR TYPE SEE PLANS)

TYPE M-7

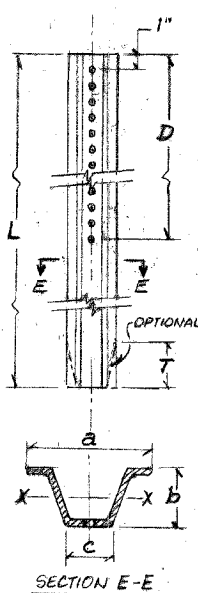
NOT TO SCALE

COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
DETAILS OF CONCRETE MEDIANS	
COMPUTED OMB	
DRAWN OMB	
CHECKED T.B.	

NOTE: ALL DIMENSIONS ARE MILLIMETERS (INCHES) EXCEPT AS NOTED

REV. 3-14-06 Redrawn 9-30-05 CCHD Redrawn 8 - 27 - 68

County Highway	Fiscal Year	Sheet No.	Total Sheets
		91	116



STEEL	TYPE A	TYPE B	TYPE C
a	3 1/2"	3 3/8"	2"
b	1 1/4"	1 1/2"	1 1/8"
c	1 7/8"	1 1/2"	1"
S _K X IN ³	0.223	0.341	-
LBS/FT	2.00	3.00	1.12
D	55 HOLES (MIN)	16 MIN.	
L	VARIABLE	7.0	
T	3"	1 1/4"	

ALUMINUM	TYPE A	TYPE B
a	3 1/2"	4 5/8"
b	1 5/8"	2 1/4"
c	1 7/8"	2 3/8"
S _K X IN ³	0.435	0.888
LBS/FT	0.90	1.30
D	55 HOLES (MIN)	
L	VARIABLE	
T	3"	

ALL HOLES ARE 3/8" DIA. ON 1" CENTERS.
NO SPLICES ALLOWED.
TYPE C USED FOR DELIMITATORS WHEN SPECIFIED ON THE PLAN.

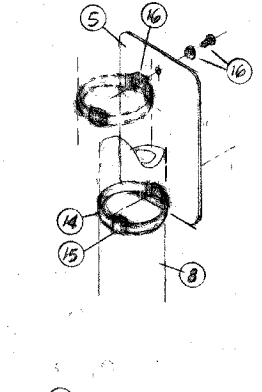
⑦ METAL POST-TYPE A, B AND C

- SIGN PANEL WIDER THAN 30" AND 24" OR MORE IN DEPTH.
- SIGN PANEL: VARIABLE X 18" - 72" WIDE, MAXIMUM.
- SIGN PANEL: WIDER THAN 42". 2 OR MORE POSTS.
- SIGN PANEL: 6.5 SQ. FT. OR LARGER IN AREA (UNLESS OTHERWISE INDICATED ON THE PLAN). 2 POSTS.
- SIGN PANEL: LESS THAN 6.5 SQ. FT. IN AREA AND NOT WIDER THAN 30". SINGLE POST OR OTHER SUPPORT.
- SIGN PANEL: 36" MAX. DIAMETER ON SINGLE WOOD OR STEEL POST.
- ROUND POST OR POLE; LIGHT STANDARD OR TRAFFIC SIGNAL.
- TRAFFIC SIGNAL MAST ARM.

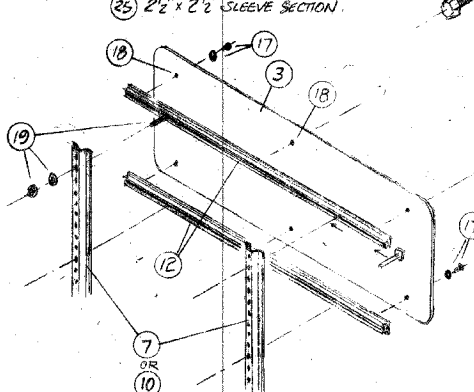
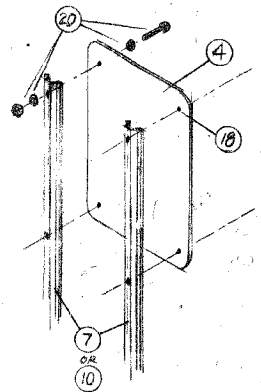
⑩ TELESCOPING STEEL SIGN SUPPORT

2" X 2" SQUARE TUBULAR TOP SECTION

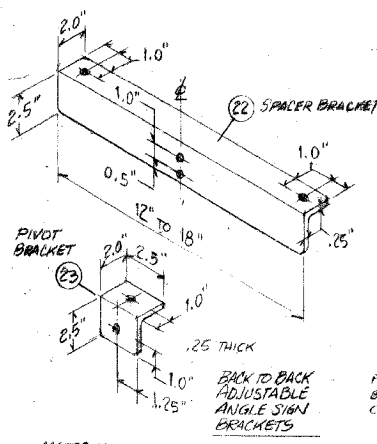
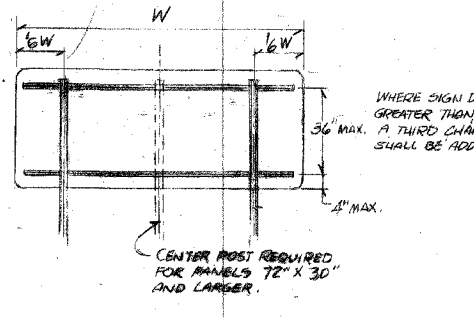
- 4" X 6" WOOD SIGN SUPPORT.
- 3/4" WIDE X 0.030" THICK STAINLESS STEEL BAND, TYPE 201. (REGULAR BAND)
- STAINLESS STEEL BUSHING, TYPE 201 TO FIT REGULAR BAND.
- 1/4" X 1/4" X 1" H.W.H. #3 SELF TAPPING SIGN SCREW WITH NEOPRENE WASHER.
- SIGN PANEL MOUNTING HOLES LOCATED AS PER DETAIL OR BLANK STANDARD. ALL HOLES WHERE CHANNELS ARE NOT USED SHALL BE 3/8" DIAMETER.
- 5/16" DIA. SQUARE HEAD BOLT, WASHER AND LOCKNUT.
- 5/16" DIA. HEX HEAD BOLT, NYLON WASHER, REG. WASHER AND LOCKNUT.
- NON SLIP WASHER.
- 2 1/4" X 2 1/4" BASE SECTION.
- 2 1/2" X 2 1/2" SLEEVE SECTION.



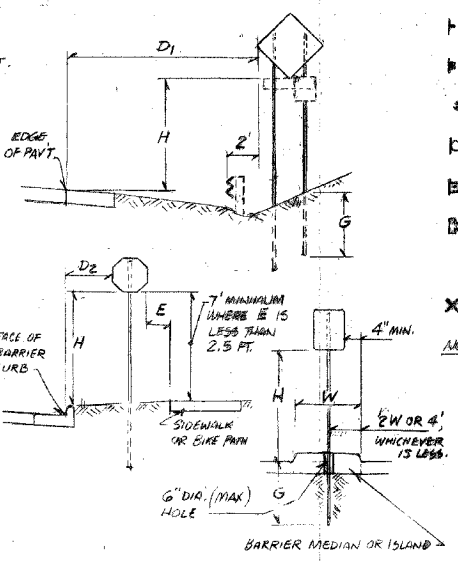
BACK TO BACK ADJUSTABLE ANGLE MOUNTING



SIGN PANEL MOUNTING DETAILS



TYPICAL CLEARANCES



EXPLANATION OF SYMBOLS

- METAL POST(S)-TYPE A.
- METAL POST(S)-TYPE B.
- METAL POST-TYPE B, SUPPORTING BACK TO BACK ADJUSTABLE ANGLE SIGNS.
- SIGN MOUNTED ON LIGHT STANDARD, TRAFFIC SIGNAL POST OR MAST ARM.
- OTHER SUPPORT TYPE AS SPECIFIED ON THE PLAN.
- EXISTING SIGN ASSEMBLY TO REMAIN IN PLACE, BE RE-ERECTED OR RELOCATED AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH ARTICLE 107.22 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- EXISTING SIGN ASSEMBLY BEYOND THE CONSTRUCTION LIMITS TO BE REMOVED.

NOTE: EXCEPT FOR SIGNS SHOWN: [] AND/OR OTHERWISE SPECIFIED, ALL EXISTING TRAFFIC SIGN ASSEMBLIES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED. SEE THE SPECIAL PROVISION.

GENERAL NOTES FOR SIGNING

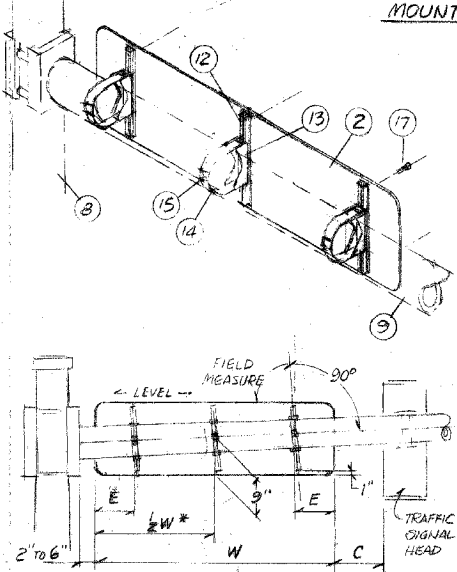
- THE DESIGN OF ALL STANDARD TRAFFIC SIGNS SHALL CONFORM WITH THE STATE OF ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. (M.U.T.C.D.). SPECIAL AND VARIABLE MESSAGE SIGNS SHALL CONFORM WITH THE DETAILS AS SHOWN ON THE PLANS.
- ALL SIGNS, SUPPORTS, MATERIAL AND RELATED WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE SPECIAL PROVISIONS AND THE PLANS.
- SIGN SUPPORT LENGTHS SHALL BE DETERMINED AT THE SITE IN ACCORDANCE WITH THE CLEARANCES AND OFFSET LOCATIONS SHOWN.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ANY UNDERGROUND ELECTRIC CABLES, UTILITY LINES OR DRAINAGE STRUCTURES IN THE VICINITY BEFORE BEGINNING WORK. AN ASSEMBLY SHALL BE RELOCATED FROM THE STATION SHOWN ON THE PLAN WHERE NECESSARY TO AVOID DAMAGING ANY UNDERGROUND INSTALLATION.
- WHERE METAL POSTS ARE SPECIFIED, 2 POSTS SHALL SUPPORT A SIGN PANEL ASSEMBLY HAVING A TOTAL AREA OF 6.5 SQ. FT. OR MORE. A 6-FT. X 2.5-FT. AND LARGER SIGN PANEL ASSEMBLY SHALL BE SUPPORTED WITH 3 POSTS.
- THE TRAFFIC OPERATIONS DIVISION OF THE COOK COUNTY HIGHWAY DEPARTMENT SHALL BE NOTIFIED TEN (10) DAYS PRIOR TO THE ESTIMATED DATE OF THE INSTALLATION OF THE PERMANENT TRAFFIC CONTROL DEVICES.

MOUNTING ASSEMBLY NOTES

EXCEPT FOR NYLON AND NEOPRENE WASHERS WHERE INDICATED, ALL MOUNTING HARDWARE SHALL BE ZINC OR CADMIUM PLATED STEEL, ALUMINUM OR STAINLESS STEEL. ALL BOLTS AND NUTS SHALL HAVE NATIONAL COARSE (UNC) THREAD.

SUPPORTING CHANNELS SHALL BE USED ON RECTANGULAR PANELS WIDER THAN 36" ON A SINGLE SUPPORT AND ON PANELS WIDER THAN 48" WHEN MOUNTED ON MORE THAN ONE POST, AND ON DIAMOND SHAPED 48" X 48" PANELS. CHANNELS MAY BE USED TO MOUNT 2 TYPE 1 ADJACENT SIGN PANELS.

MOUNTING METHODS AND MATERIAL OTHER THAN THAT SHOWN ARE ACCEPTABLE UPON THE APPROVAL OF THE ENGINEER AND WHERE COMPLETELY INTERCHANGEABLE WITH EXISTING INSTALLATIONS ON COUNTY AND STATE ROADWAYS.



INCHES:

W	42"	48"	54"	60"	66"	72"
E	8"	10"	11"	10"	11"	12"
C	.75 W OR MORE DESIRED; 1'-0" MINIMUM					

*NO CENTER MOUNTING REQ'D

TRAFFIC SIGN MOUNTING DETAILS

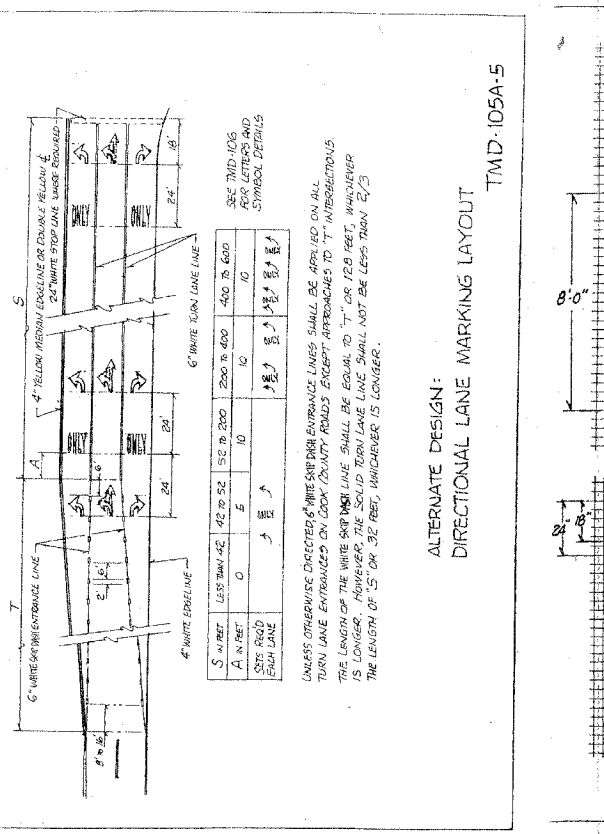
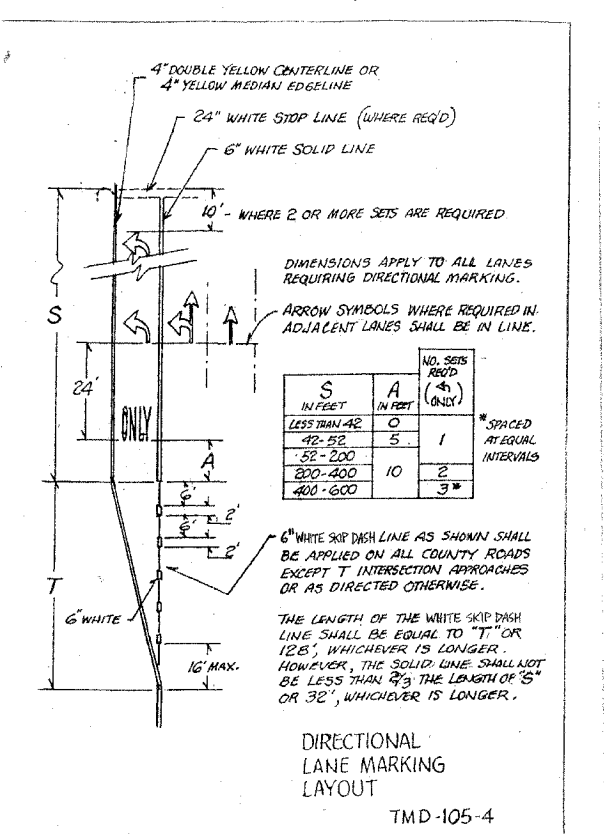
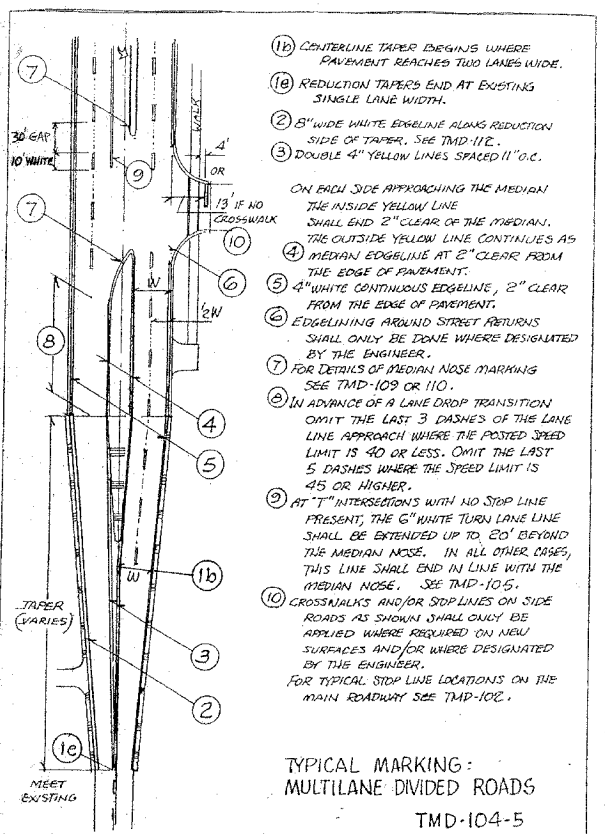
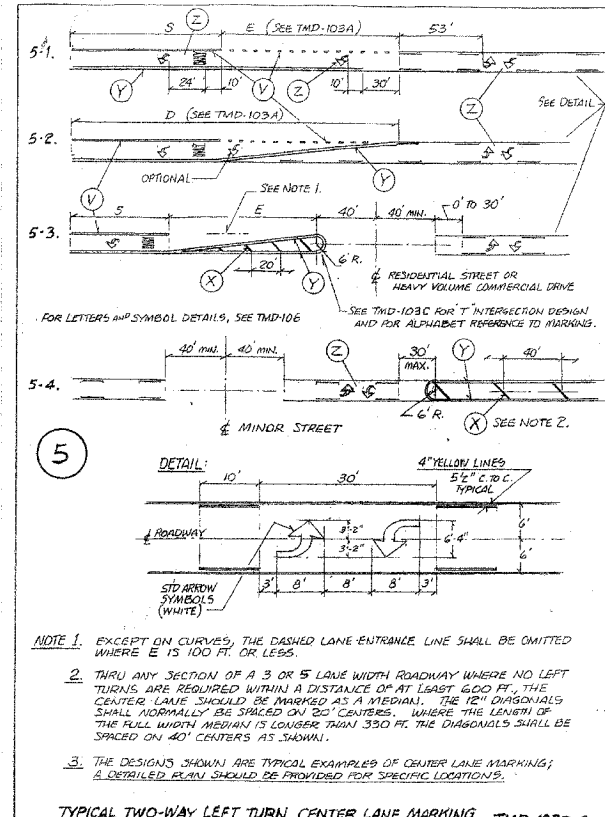
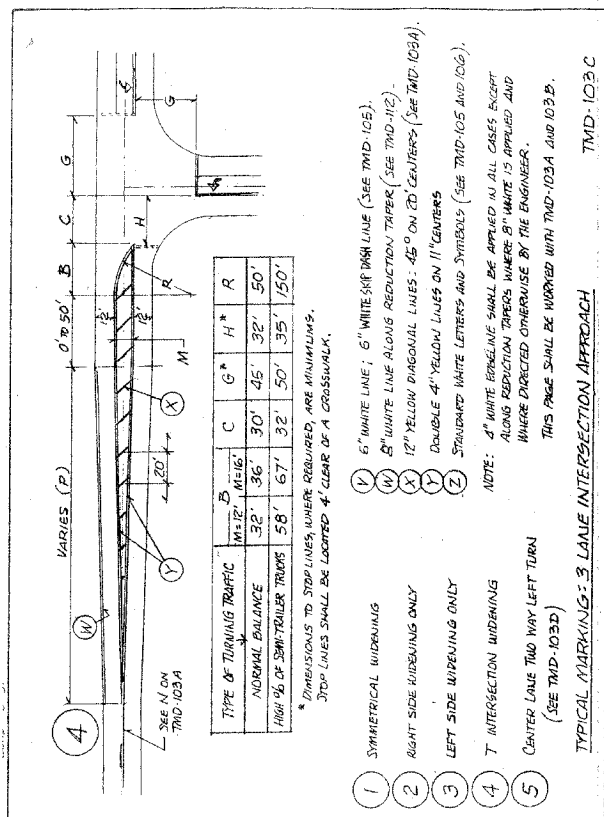
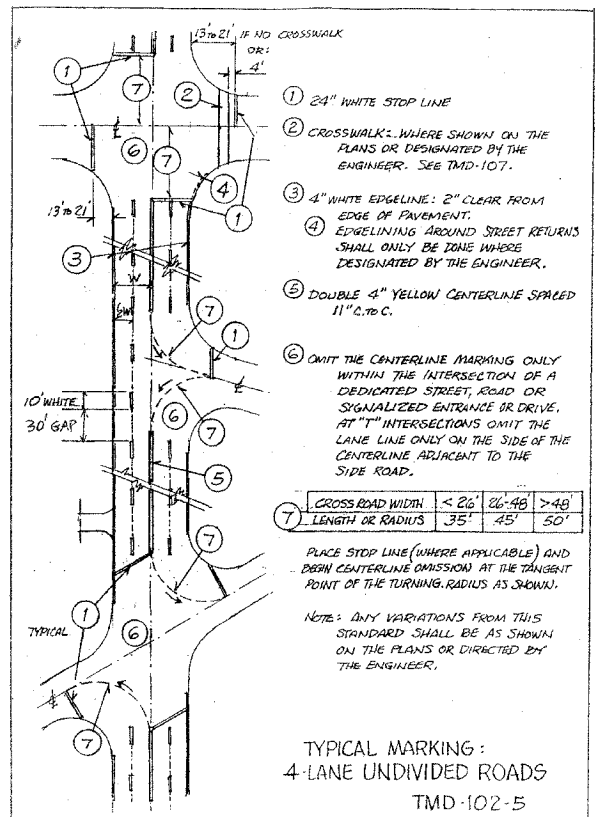
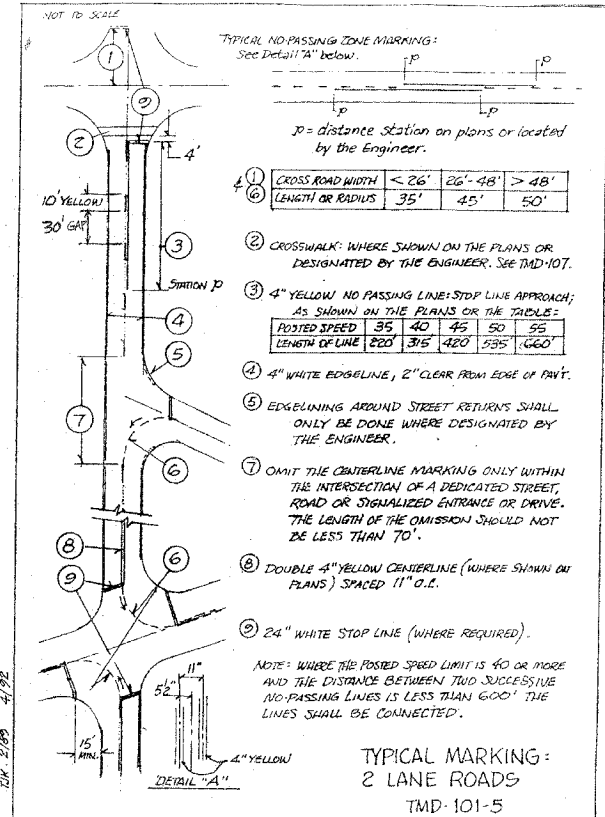
TRAFFIC DIVISION
COOK COUNTY HIGHWAY DEPARTMENT

STANDARD 304-2

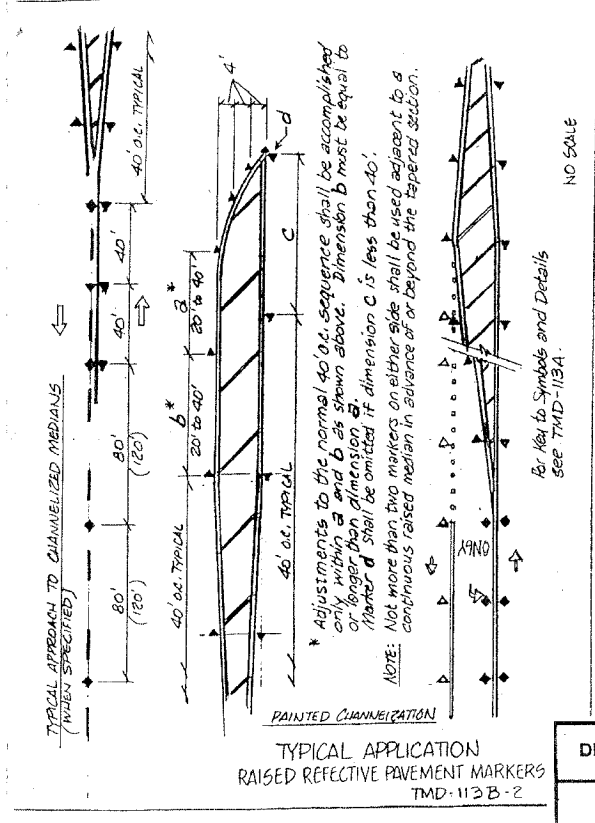
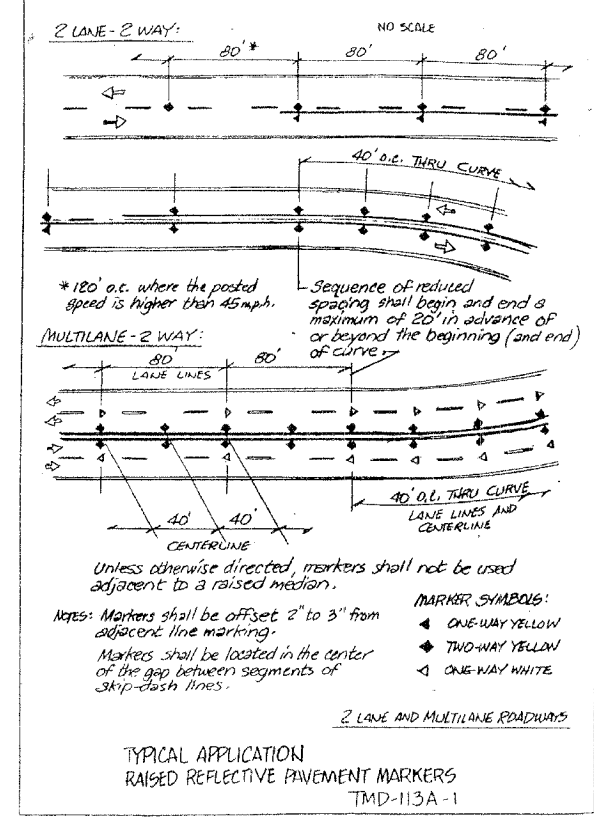
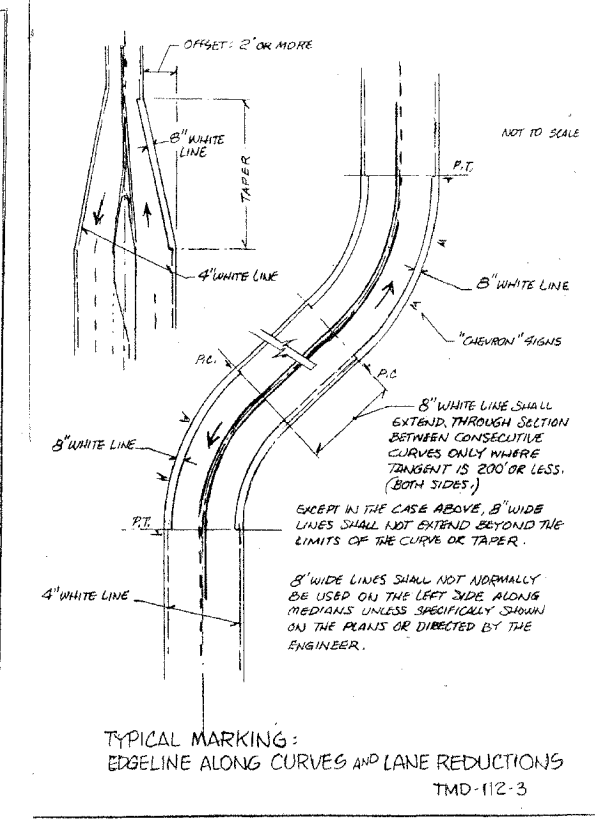
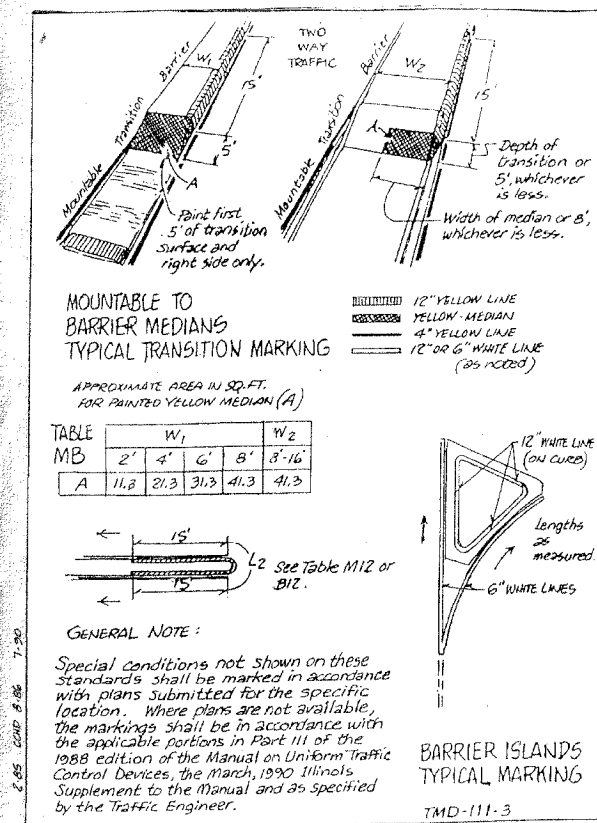
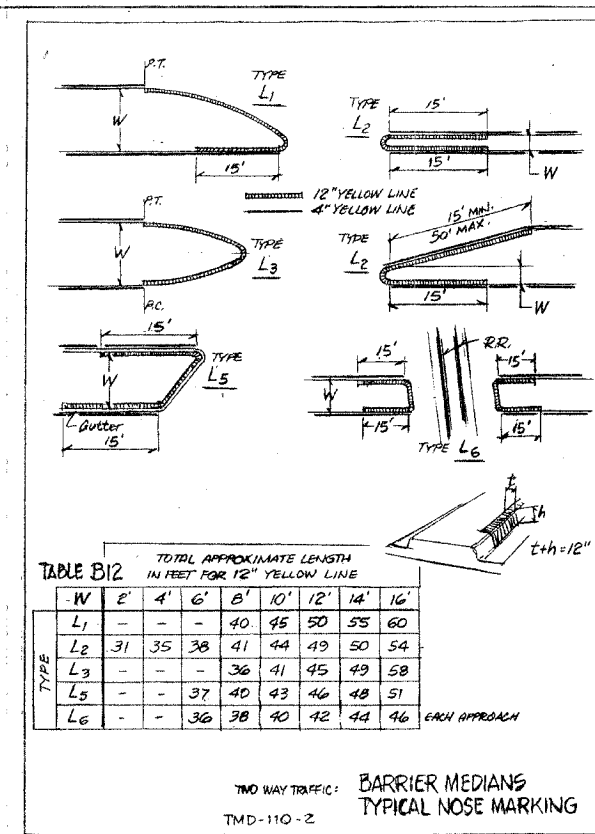
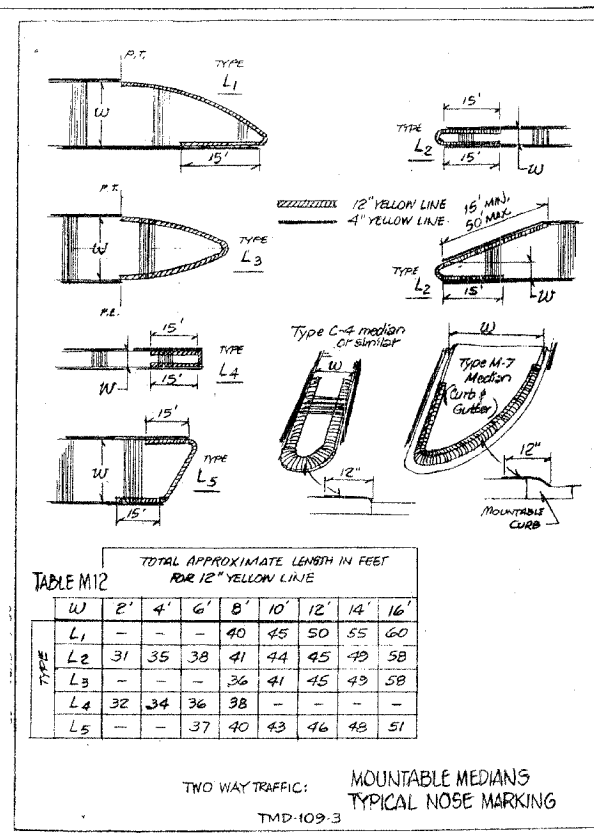
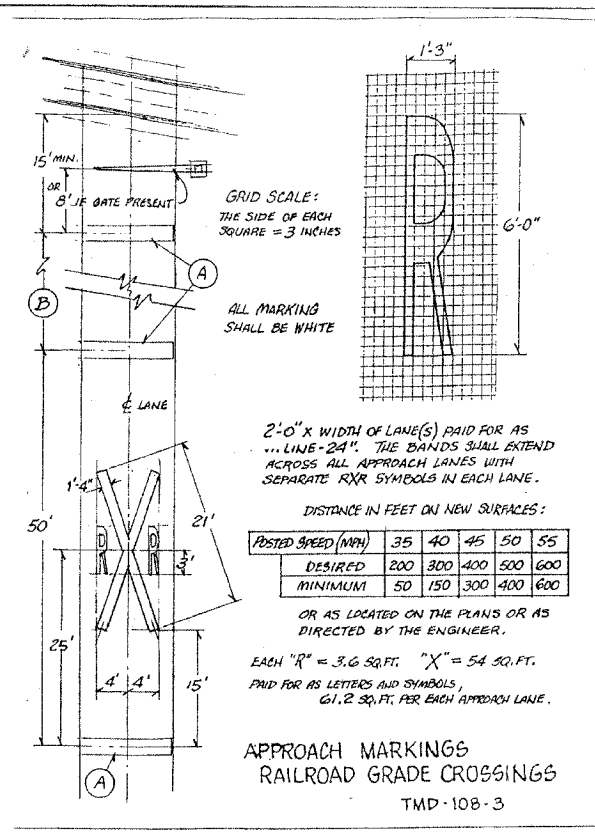
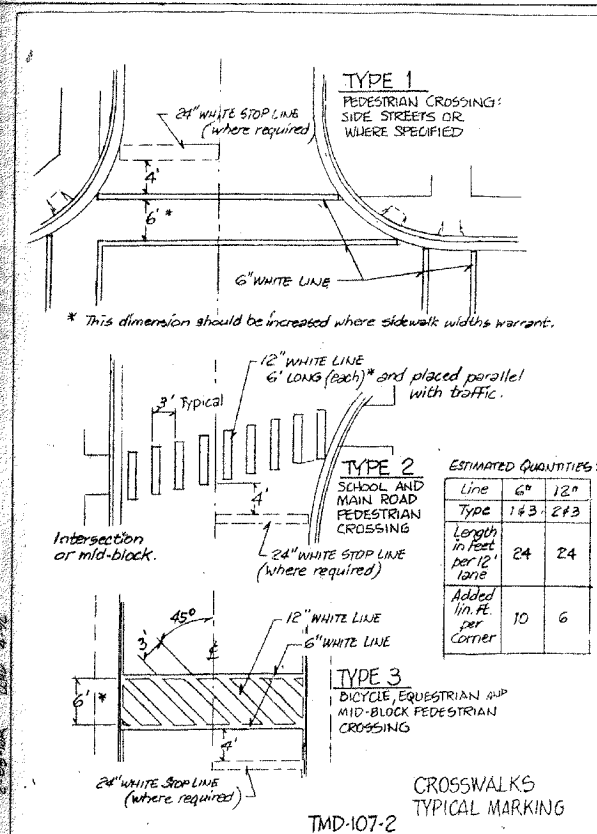
REV. 3-21-91
DRAWN BY: DJK 12-15-89

APPROVED: 12-15-89: Charles D. Tiley TRAFFIC ENGINEER

County Highway	Fiscal Year	Sheet No.	Total Sheets
		92	116



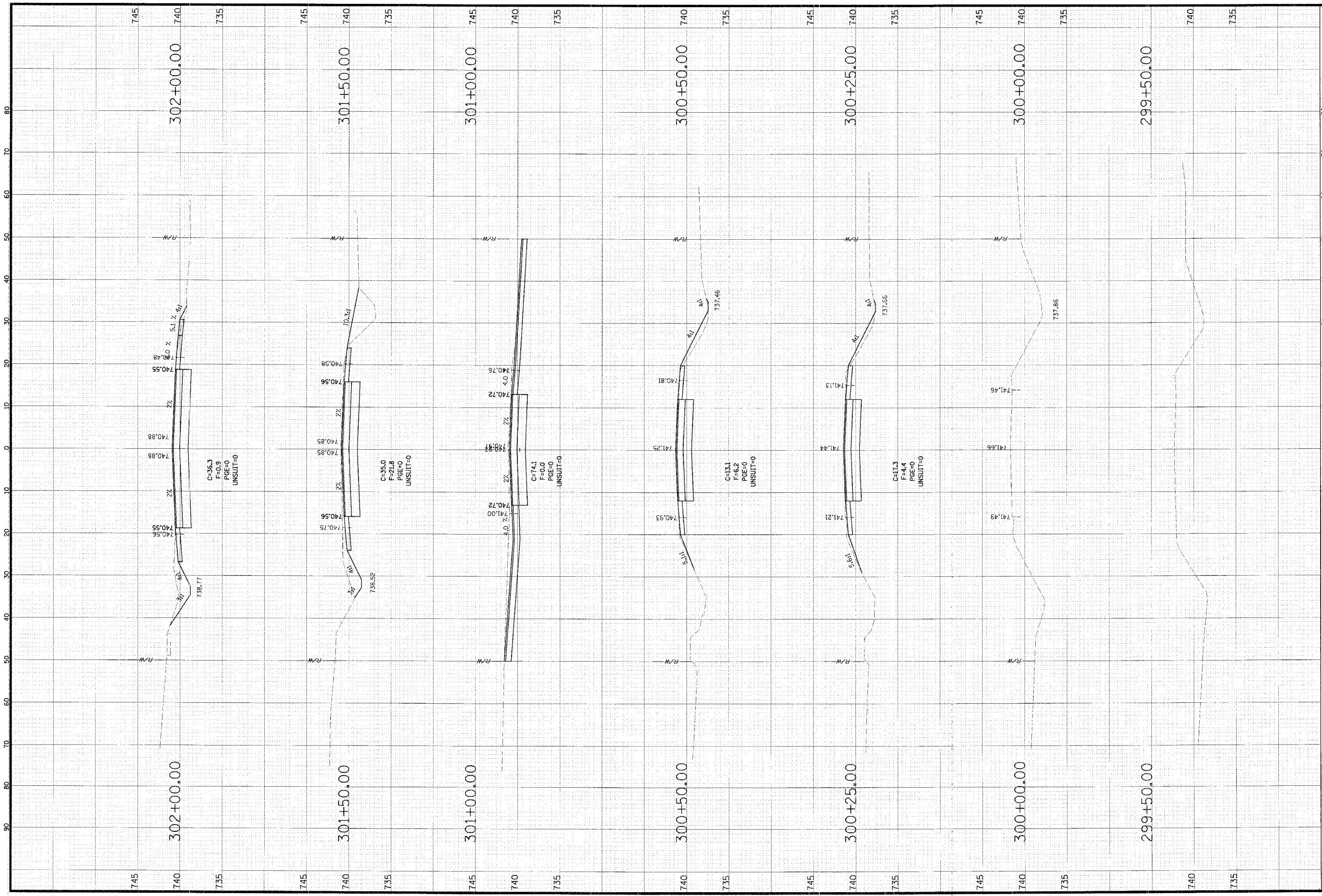
County Highway	Fiscal Year	Sheet No.	Total Sheets
		93	116




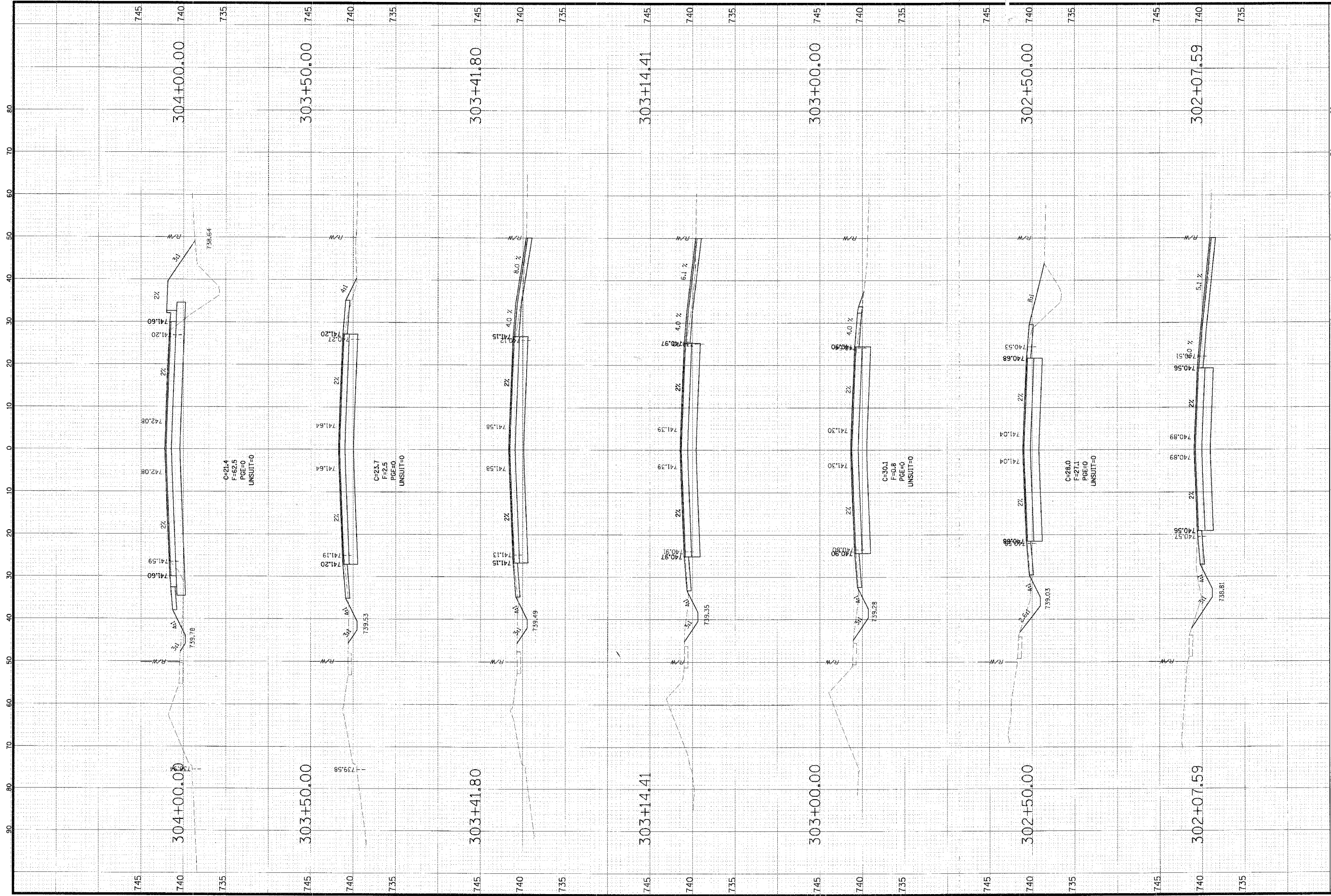
COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

PERMANENT PAVEMENT MARKING STANDARDS (SHEET 2 OF 2)

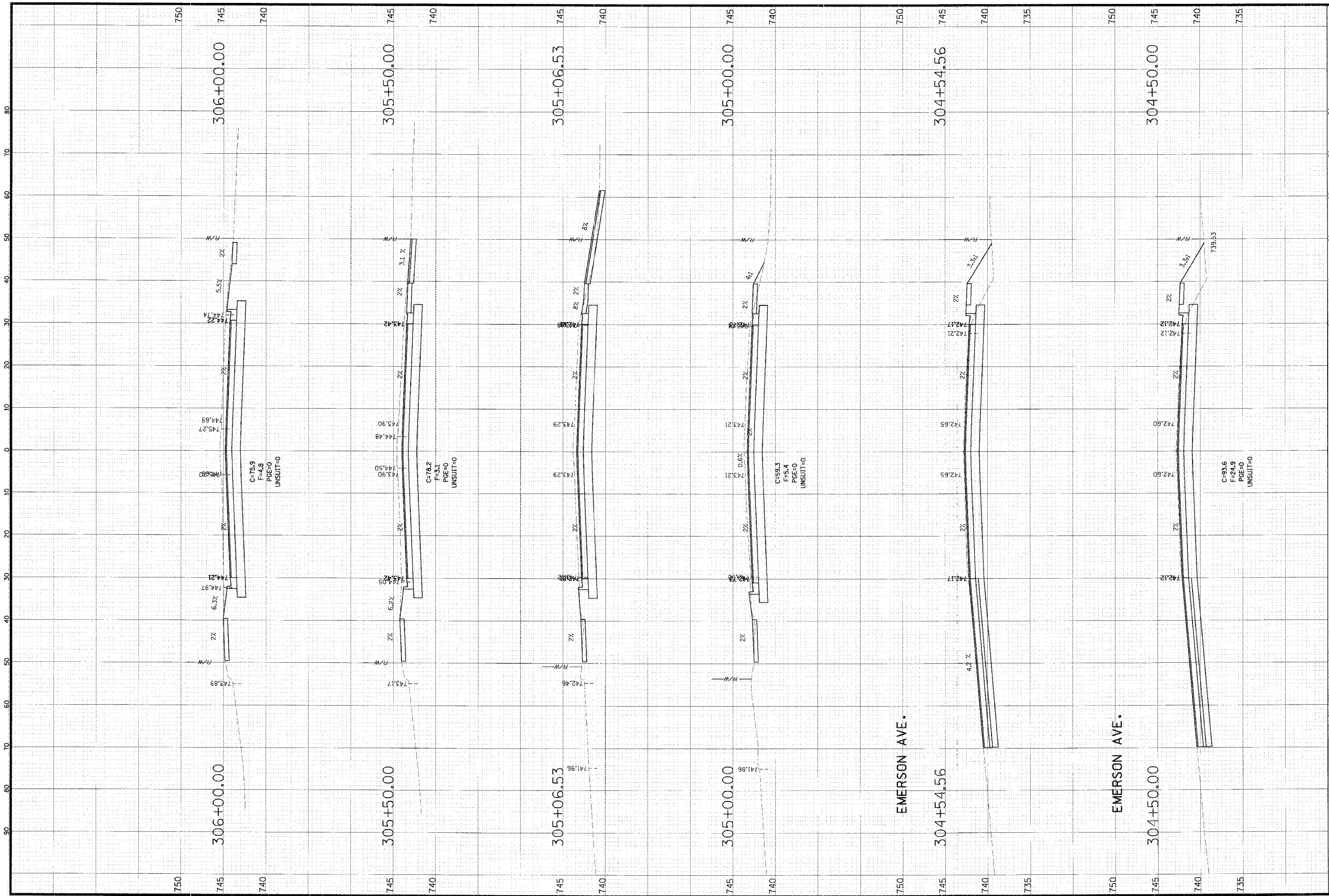
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DRAWN	
CHECKED	





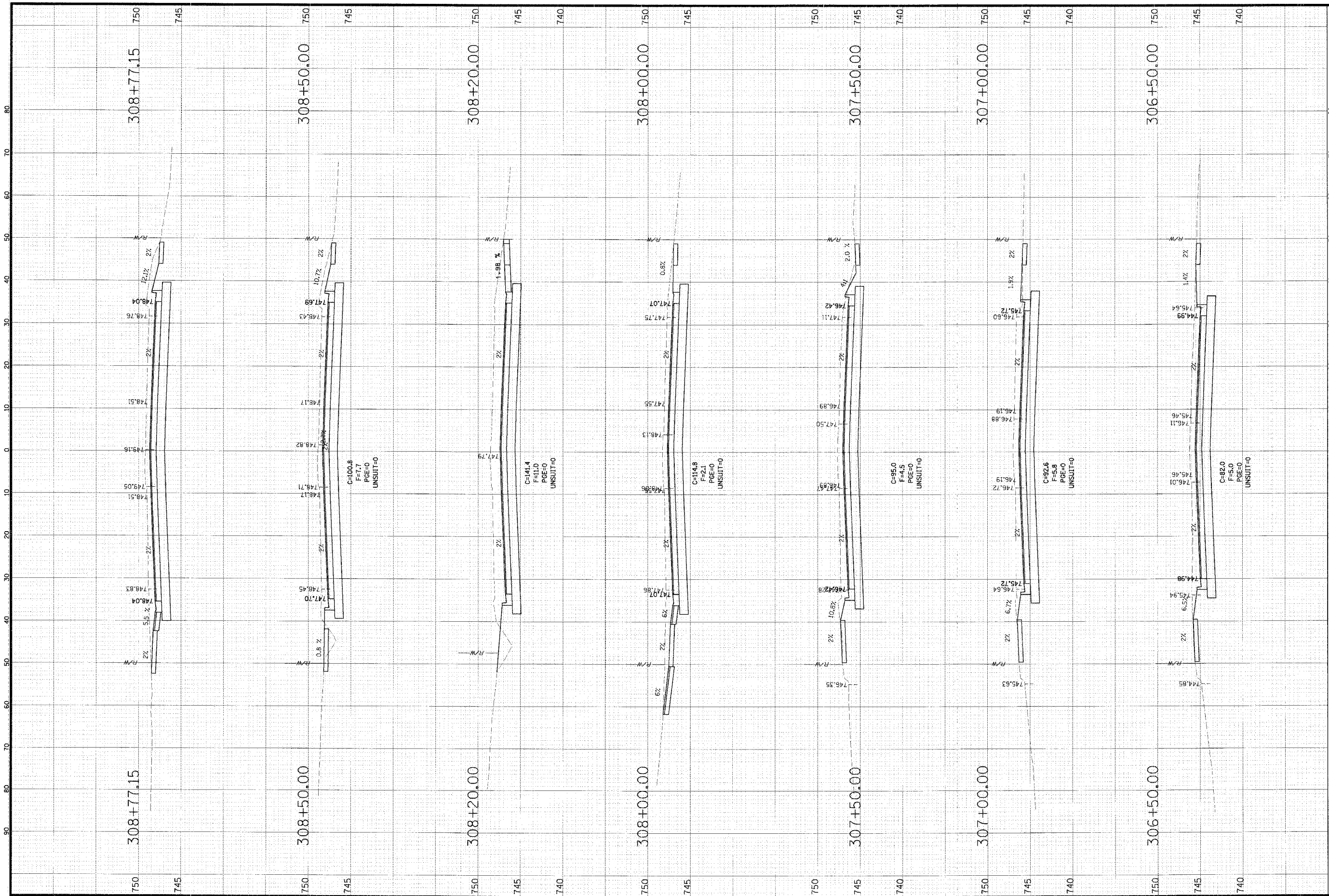
 City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500		CLIENT: CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	
NO.	DATE	NO.	DATE
DSGN.	PM	CHKD.	PM
DWN.	PM		PM
CHKD.	MCW		
SCALE:		SCALE:	
1"=10' H		1"=5' V	
FILE NAME:		FILE NAME:	
PROJECT NO. 99-361P-48		PROJECT NO. 99-361P-48	
SHEET 94 OF 116		SHEET 94 OF 116	
DRAWING NO.		DRAWING NO.	
TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 299+50 TO STA. 302+00			
FILE NAME: PLUMGROVE 99361P-48.dwg			
DATE: 6/27/2006			




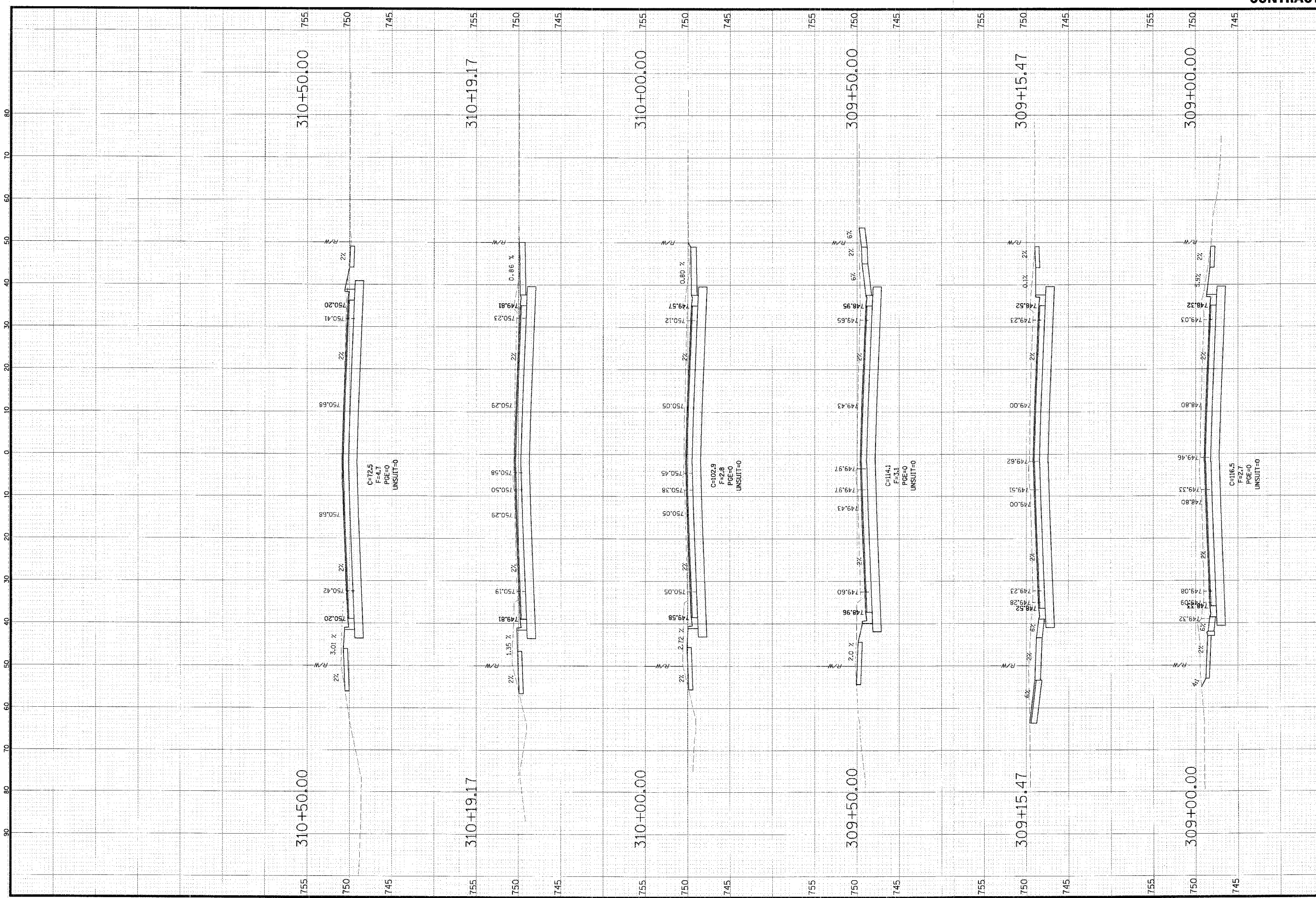
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NO.	DATE	NATURE OF REVISION	CHKD.
DSGN.			
DWN.			
CHKD.			
SCALE: 1"=10' H 1"=5' V		PROJECT NO. _____	
FILE NAME: r:\v-plumgrove\98361br48\design\98361br48-plumgrove		SHEET 95 OF 116	
City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500		TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 302+07 TO STA. 304+00	
		DRAWING NO. _____	
		DATE: 6/27/2006	



		City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500	
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500		CLIENT:	
DSN: _____ DWN: _____ CHKD: _____	NO. _____ DATE _____	NATURE OF REVISION _____ CHKD. _____	PROJECT NO. _____ SHEET 96 OF 116 DRAWING NO. _____
TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 304 + 50 TO STA. 306 + 00		SCALE: 1"=10' H 1"=5' V FILE NAME:	
		DATE: 6/29/2006	



 <p>City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500</p>	<p>CLIENT:</p> <p>CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>
	<p>NO. DATE</p> <p>DSGN. DATE</p> <p>DWN. DATE</p> <p>CHKD. DATE</p> <p>SCALE: 1"=10' H 1"=5' V</p>
<p>TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 306+50 TO STA. 308+77</p> <p>FILE NAME: P:\V-dm\cme\98561br-48\desgn\98561br-48-plum1.dwg</p>	<p>PROJECT NO.</p> <p>CHKD.</p> <p>SHEET 97 OF 116</p> <p>DRAWING NO.</p> <p>DATE: 6/9/2006</p>



CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

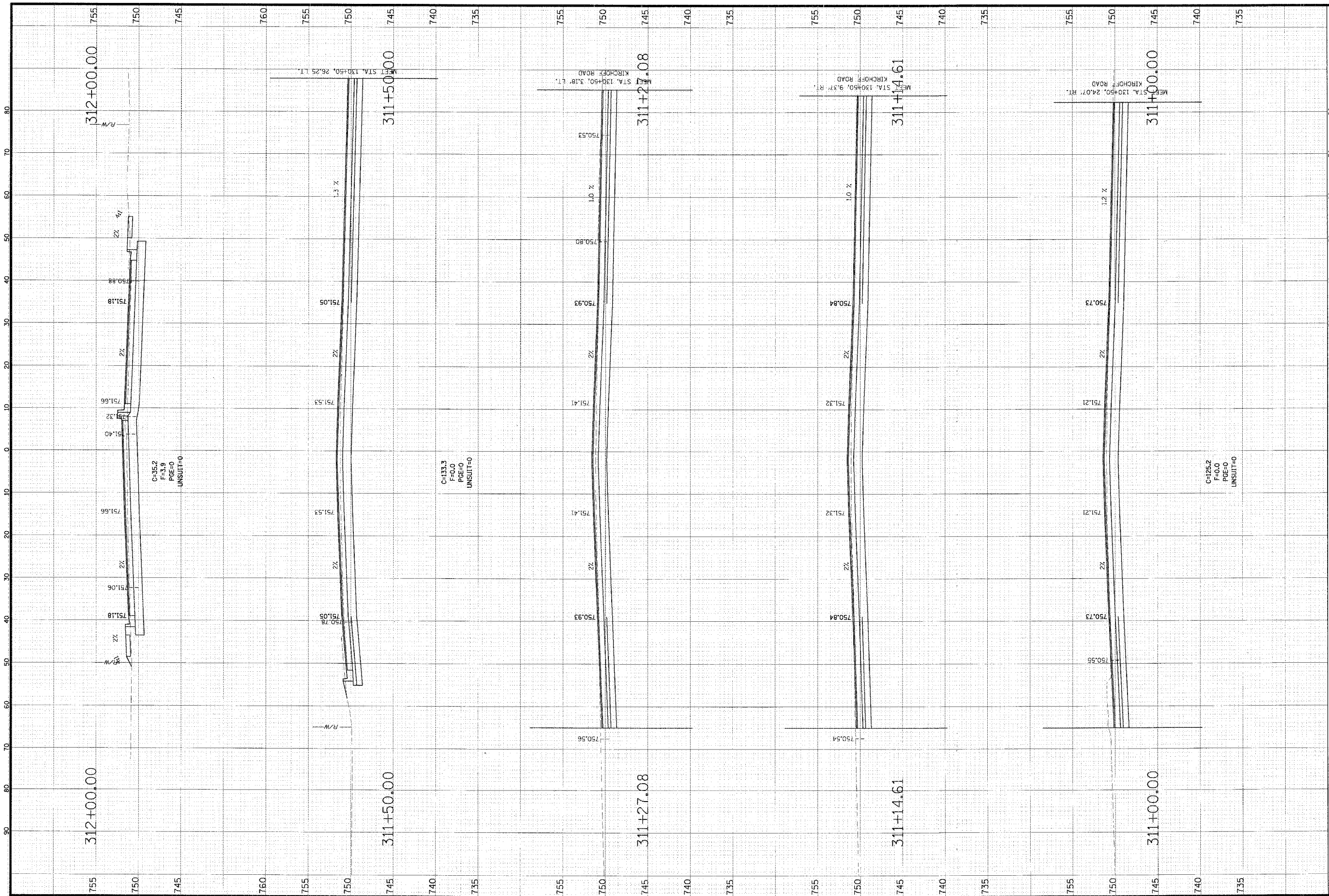


City of Rolling Meadows
 3600 Kirchoff Road
 Rolling Meadows, Illinois 60008
 (847) 394-8500

CLIENT:

NO. DATE NATURE OF REVISION CHD.
 DSN. DWG. CHD.
 TITLE: **PLUM GROVE ROAD**
CROSS SECTIONS
STA. 309 + 00 TO STA. 310 + 50
 SCALE: 1"=10' H
 1"=5' V
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PROJECT NO.
 SHEET 98 OF 116
 DRAWING NO.
 DATE: 6/29/2006

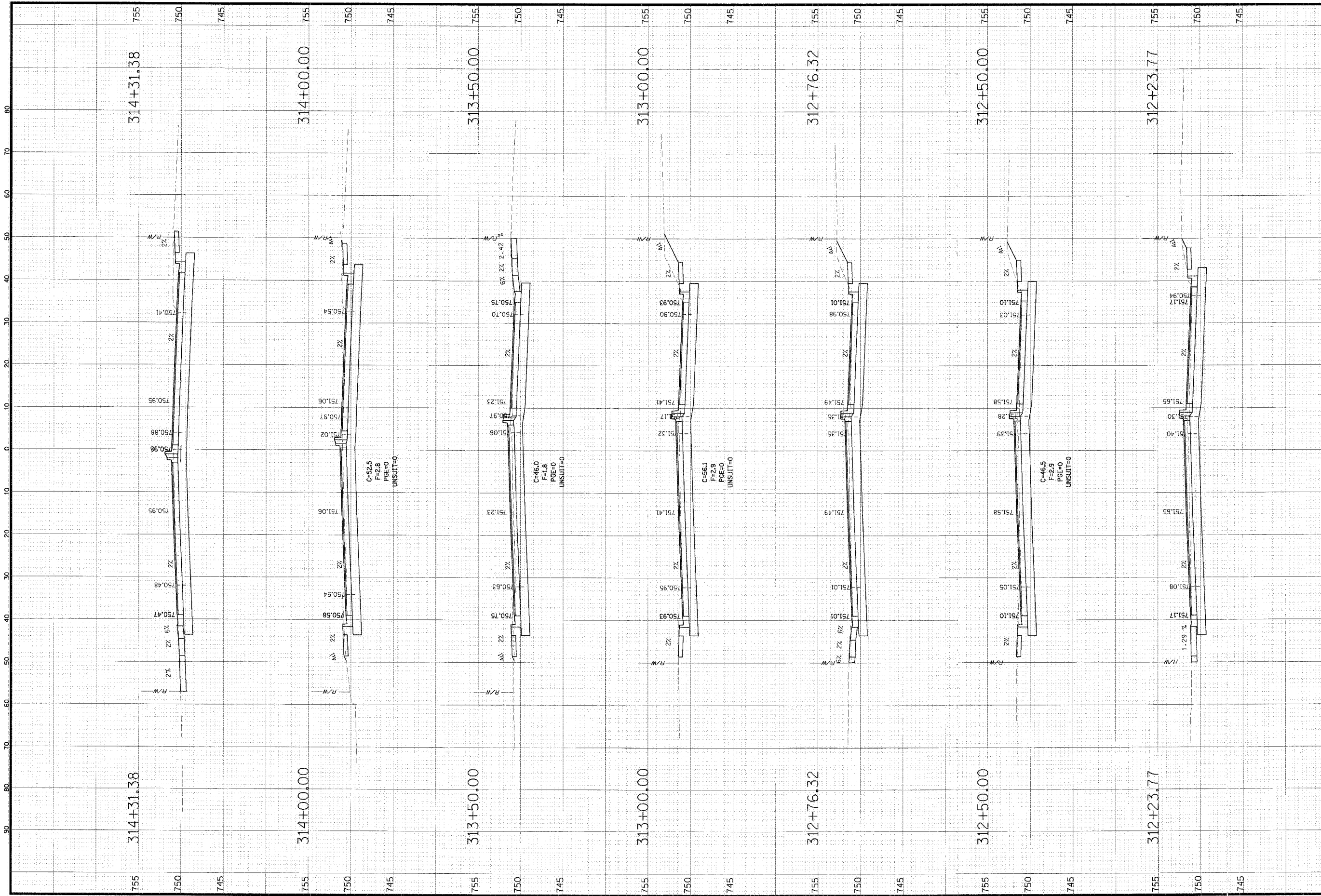


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PGE=0
UNSUIT=0

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		CLIENT:	
City of Rolling Meadows 3600 Kirchhoff Road Rolling Meadows, Illinois 60008 (847) 394-8500		CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	
DSN. DWG.	CHKD. CHKD.	NO. DATE	PROJECT NO. SHEET 99 OF 116 DRAWING NO.
TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 311+00 TO STA. 312+00		SCALE: 1"=10' H 1"=5' V FILE NAME:	
DATE: 6/27/2006			

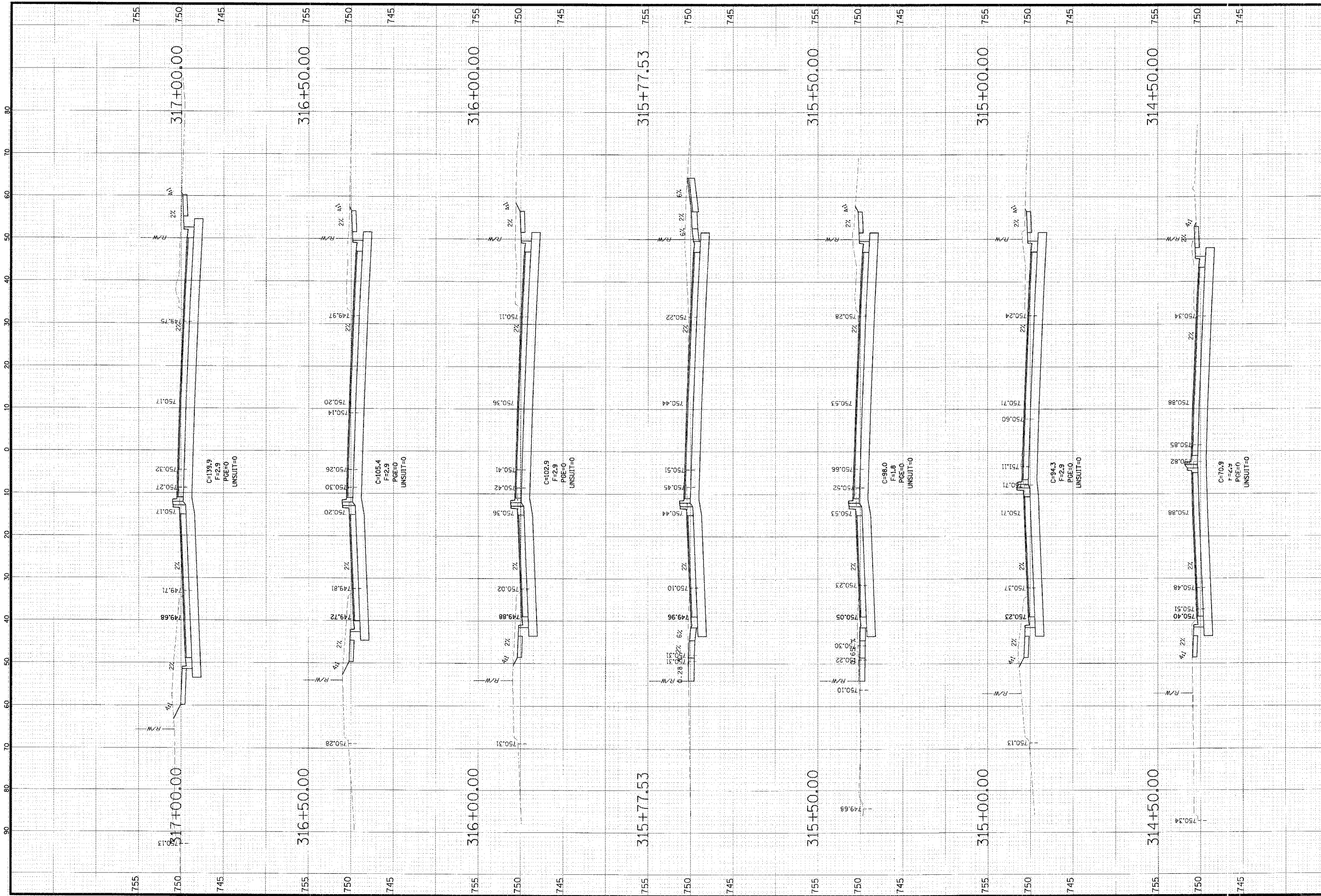



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 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

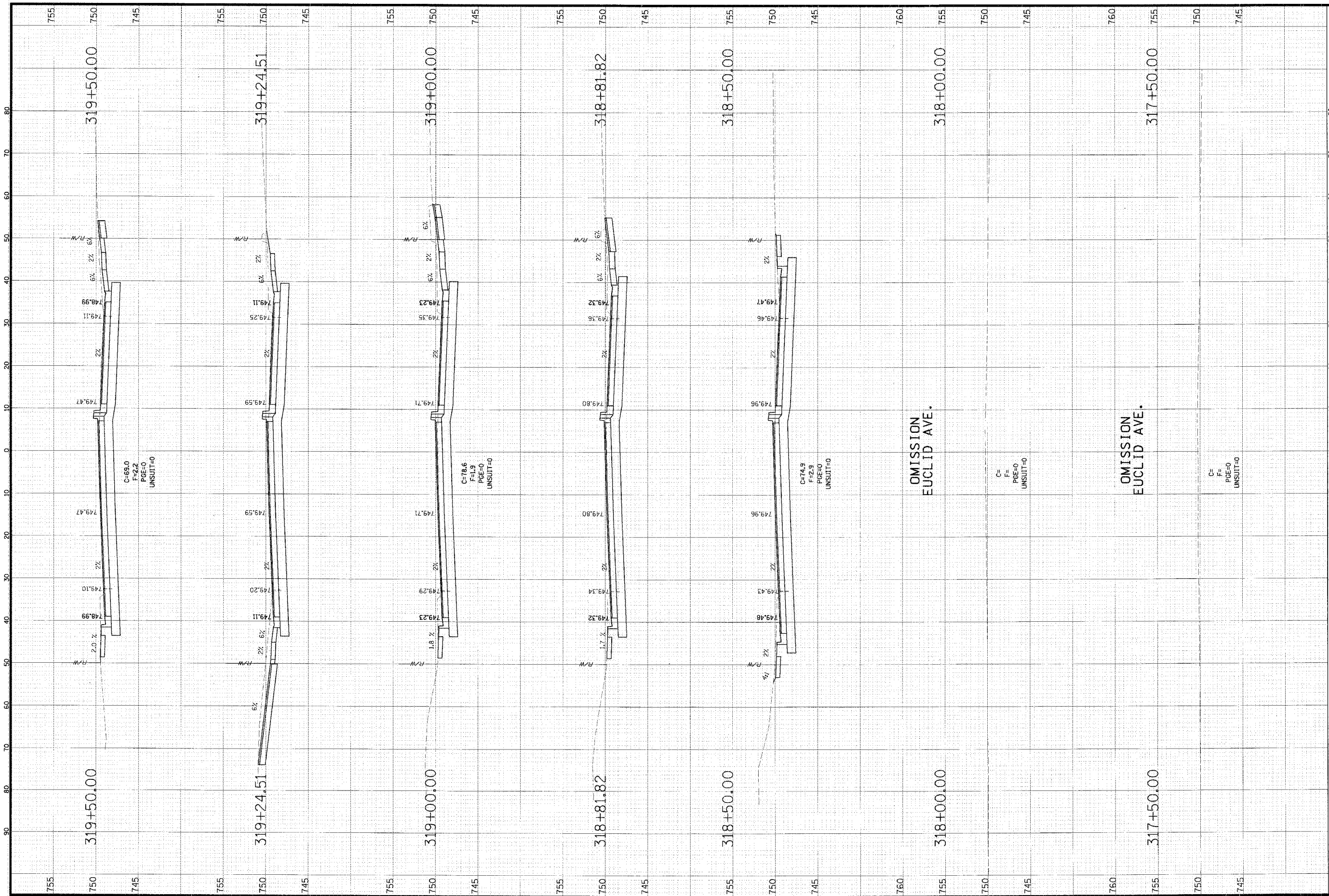


City of Rolling Meadows
 3600 Kirchoff Road
 Rolling Meadows, Illinois 60008
 (847) 394-8500

NO.	DATE	NATURE OF REVISION	CHKD.	PROJECT NO.
1				
TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 312+23 TO STA. 314+31				SHEET 100 OF 116 DRAWING NO.
SCALE: 1"=10' H 1"=5' V				DATE: 6/9/2006
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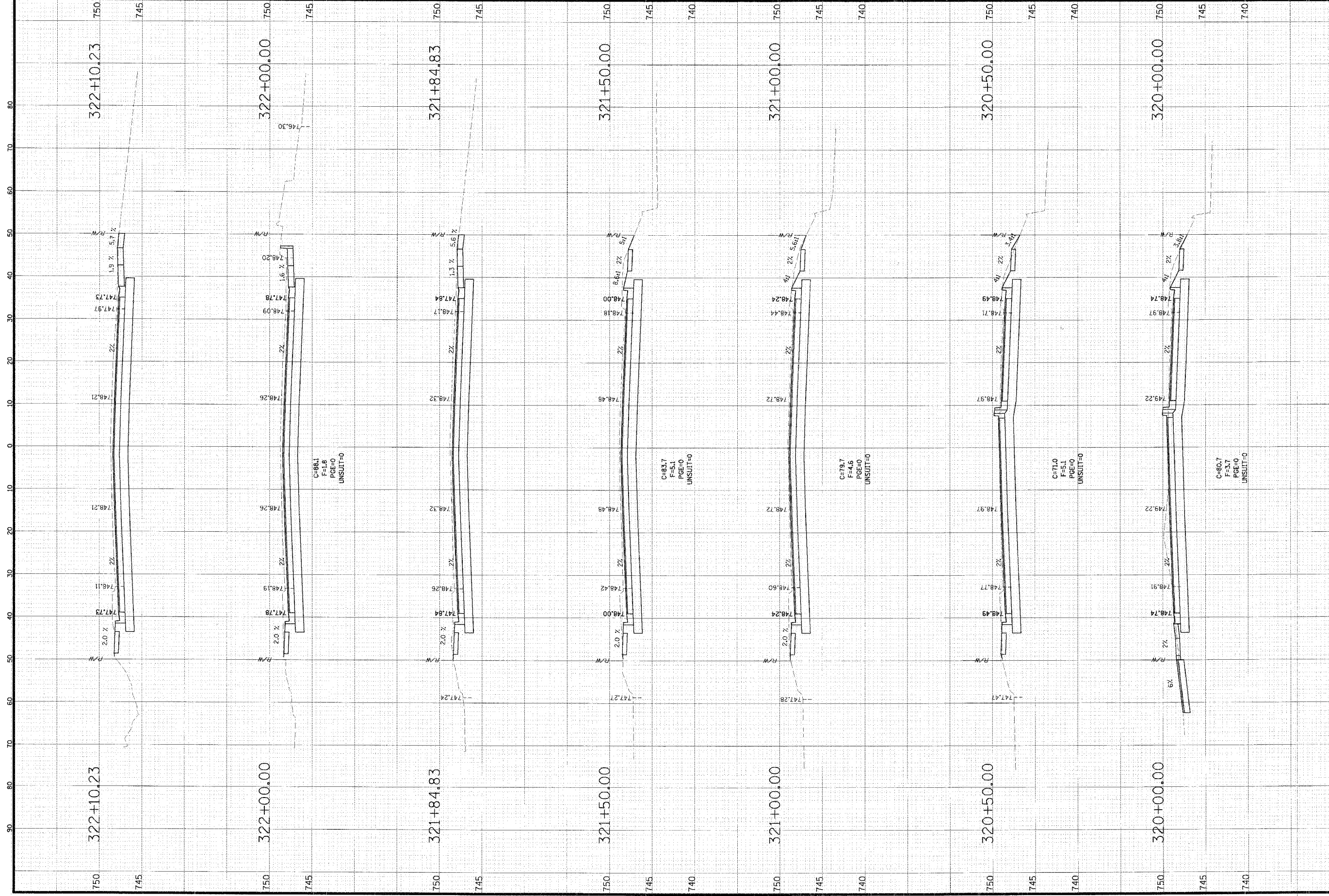


 <p>City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500</p>		<p>CLIENT:</p> <p>CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>	
NO.	DATE	NATURE OF REVISION	CHKD.
DSGN.			
CHKD.			
SCALE:		PROJECT NO.	
1"=10' H		SHEET 101 OF 116	
1"=5' V		DRAWING NO.	
FILE NAME:		DATE: 6/2/2006	
<p>TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 314 + 50 TO STA. 317 + 00</p>			

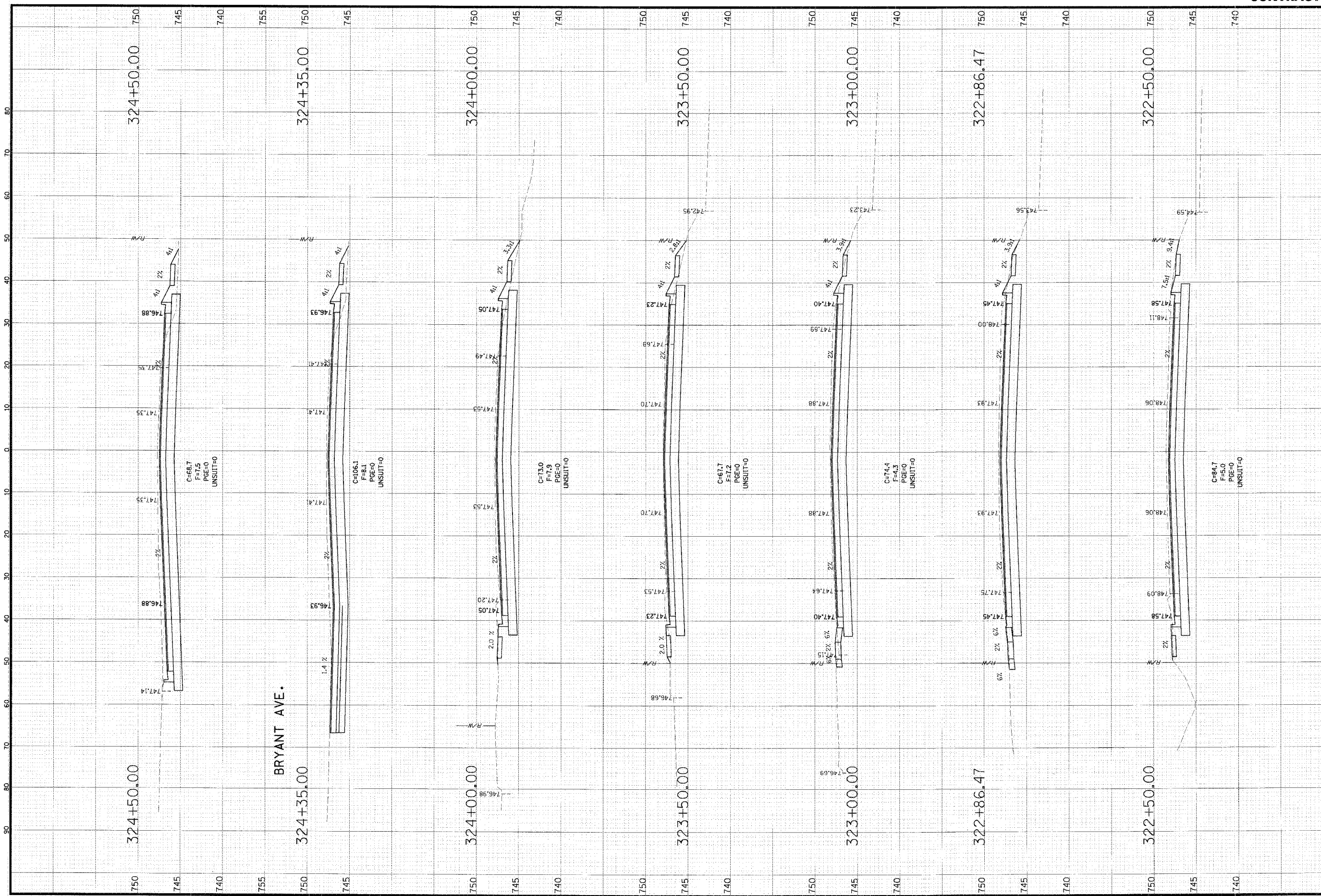


NO.	DATE	NATURE OF REVISION	CHKD.	PROJECT NO.
DSGN.				
DWN.				
CHKD.				
SCALE:	1"=10' H 1"=5' V			
FILE NAME:	P:\V-dm\dwg\98361br48\98361br48-plum.gvy			
<p>CLIENT: CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>				
<p>TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 317 + 50 TO STA. 319 + 50</p>				
<p>DATE: 6/2/2006 SHEET 102 OF 116 DRAWING NO.</p>				





		City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500	
CLIENT:	CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500		
NO. _____ DSNL _____ DWL _____ CHKD. _____	DATE _____ SCALE: 1"=10' H 1"=5' V FILE NAME:	TITLE:	PROJECT NO. _____ SHEET 103 OF 116 DRAWING NO. _____ DATE: 6/2/2006
NATURE OF REVISION _____ CHKD. _____			
PLUM GROVE ROAD CROSS SECTIONS STA. 322+00 TO STA. 320+10			



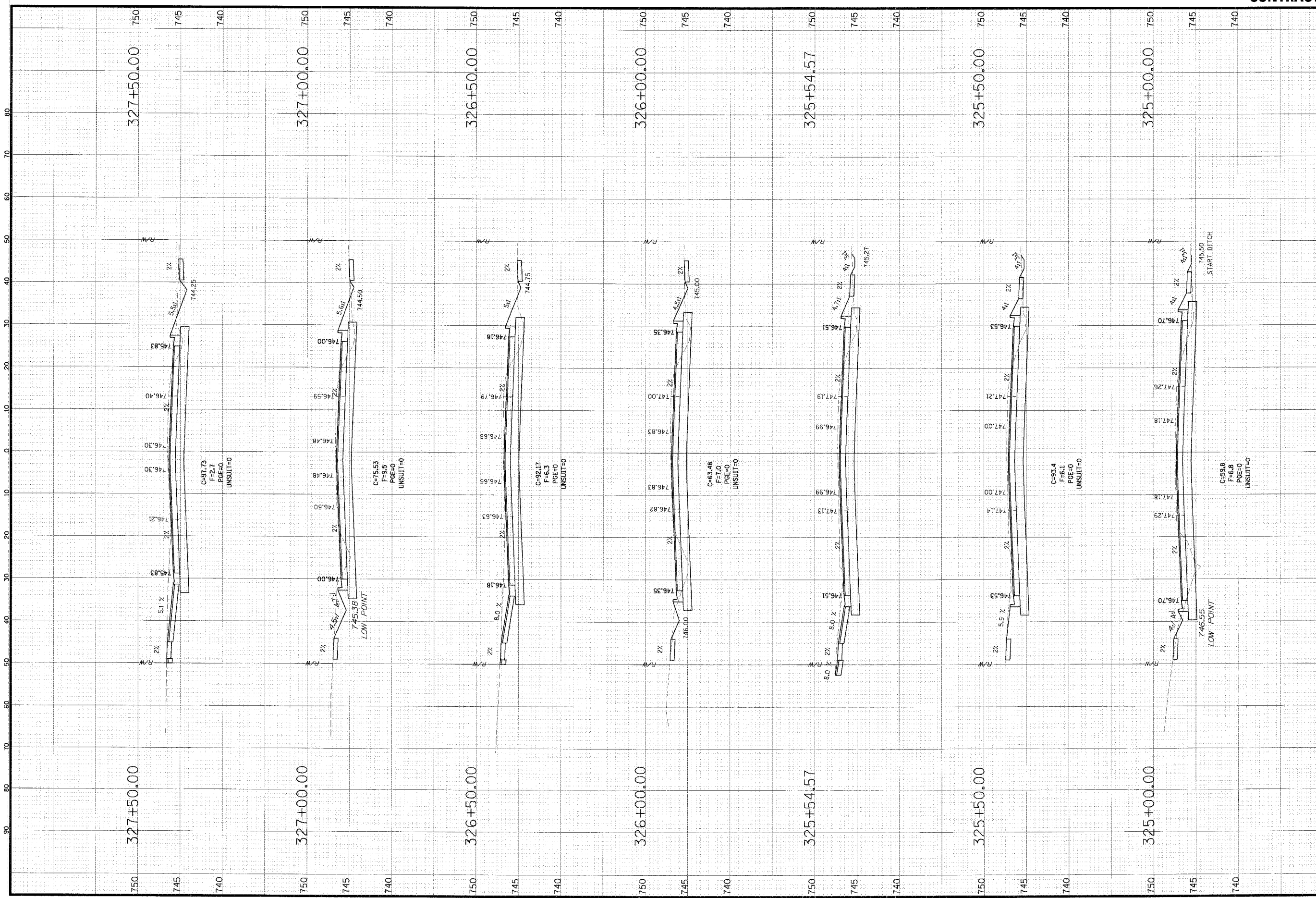
BRYANT AVE.

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NO.	DATE	NATURE OF REVISION	CHKD.	PROJECT NO.
1				
TITLE: PLUM GROVE ROAD CROSS SECTIONS STA. 322 + 50 TO STA. 324 + 50				SHEET 104 OF 116 DRAWING NO.
SCALE: 1"=10' H 1"=5' V				DATE: 6/2/2006
FILE NAME: r:\v-plumgrove\983853\br-48-plumgrove				

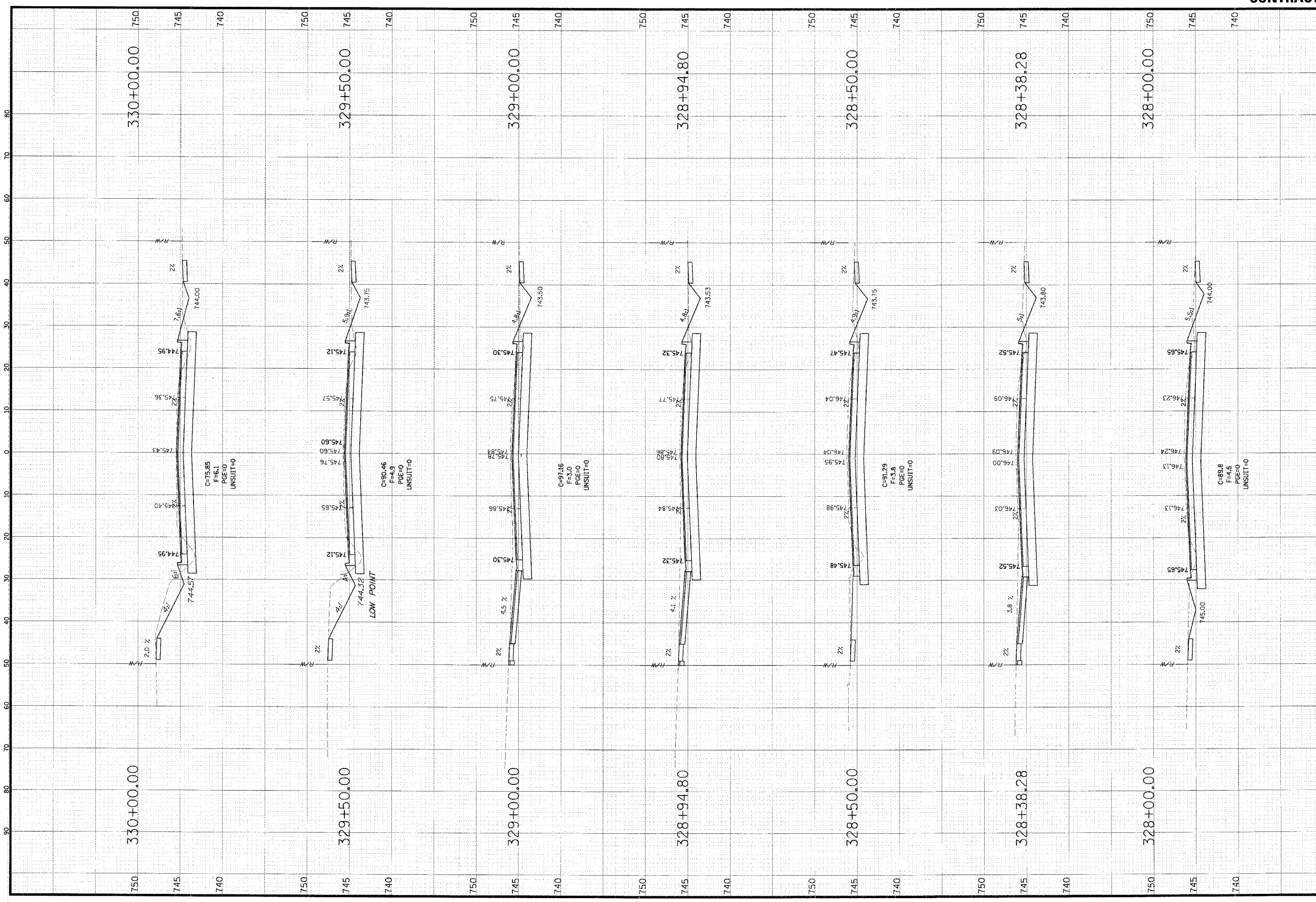


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NO.	DATE	NATURE OF REVISION	CHKD.	PROJECT NO.
DESIGN				
DWN.				
CHKD.				
TITLE: PLUM GROVE ROAD				SHEET 105 OF 116
TITLE: CROSS SECTIONS				DRAWING NO.
TITLE: STA. 325+00 TO STA. 327+50				DATE: 6/8/2006
SCALE: 1"=10' H 1"=50' V				
FILE NAME: P:\Voldues\83853\83853r-46.dwg				



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UNSUIT=0

C=90.46
F=4.3
PGE=0
UNSUIT=0

C=97.16
F=3.0
PGE=0
UNSUIT=0

C=91.29
F=3.8
PGE=0
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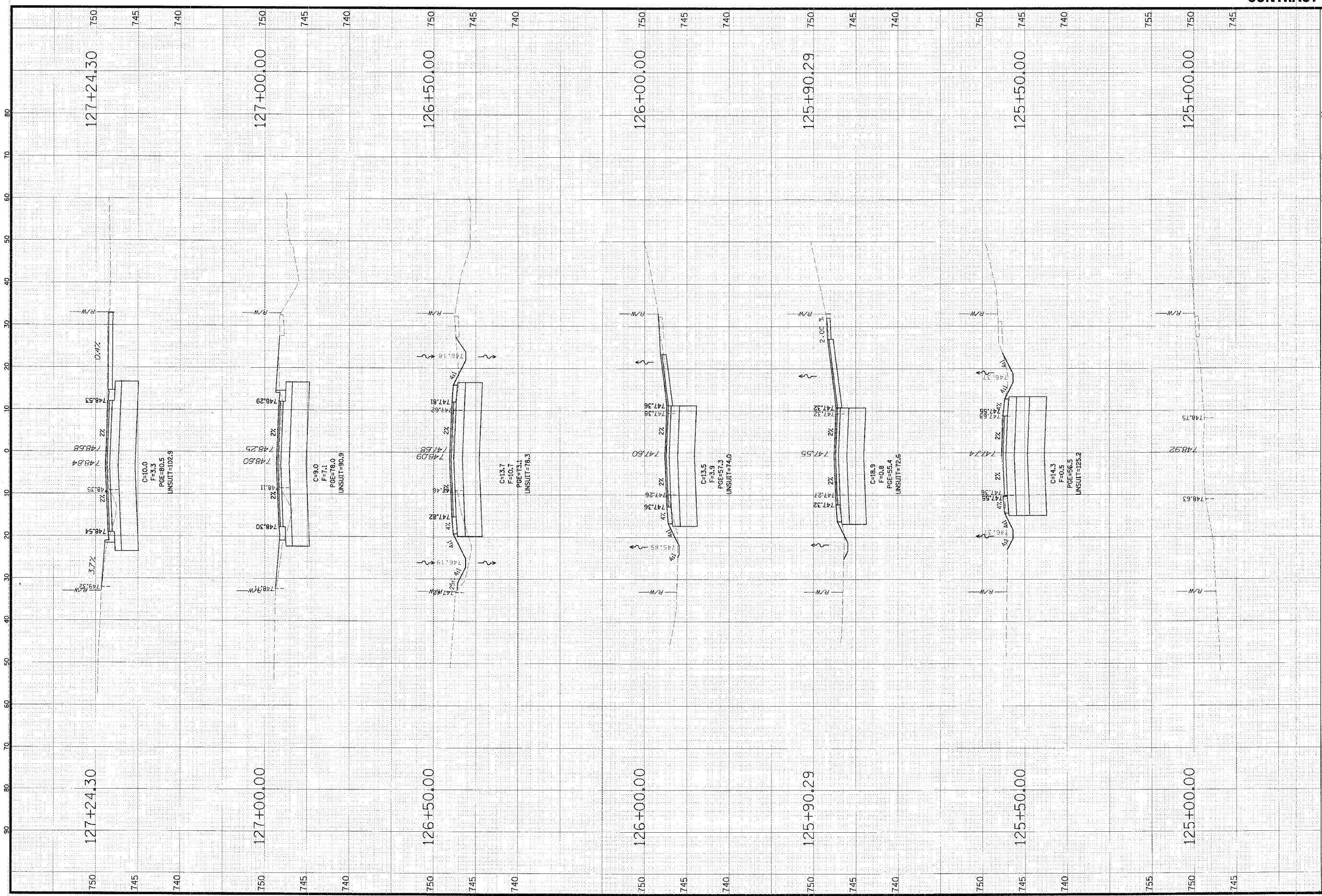
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F=4.5
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UNSUIT=0

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NO.	DATE	NATURE OF REVISION	CHKD.	PROJECT NO.
DSGN.				
DWN.				
CHKD.				
SCALE:	1"=10' H 1"=5' V			
FILE NAME:	c:\v\olm\me\98361br48\design\98361br48_plum109			
TITLE: PLUM GROVE ROAD			SHEET 106 OF 116	
CROSS SECTIONS			DRAWING NO.	
STA. 328+00 TO STA. 330+00			DATE: 6/8/2006	



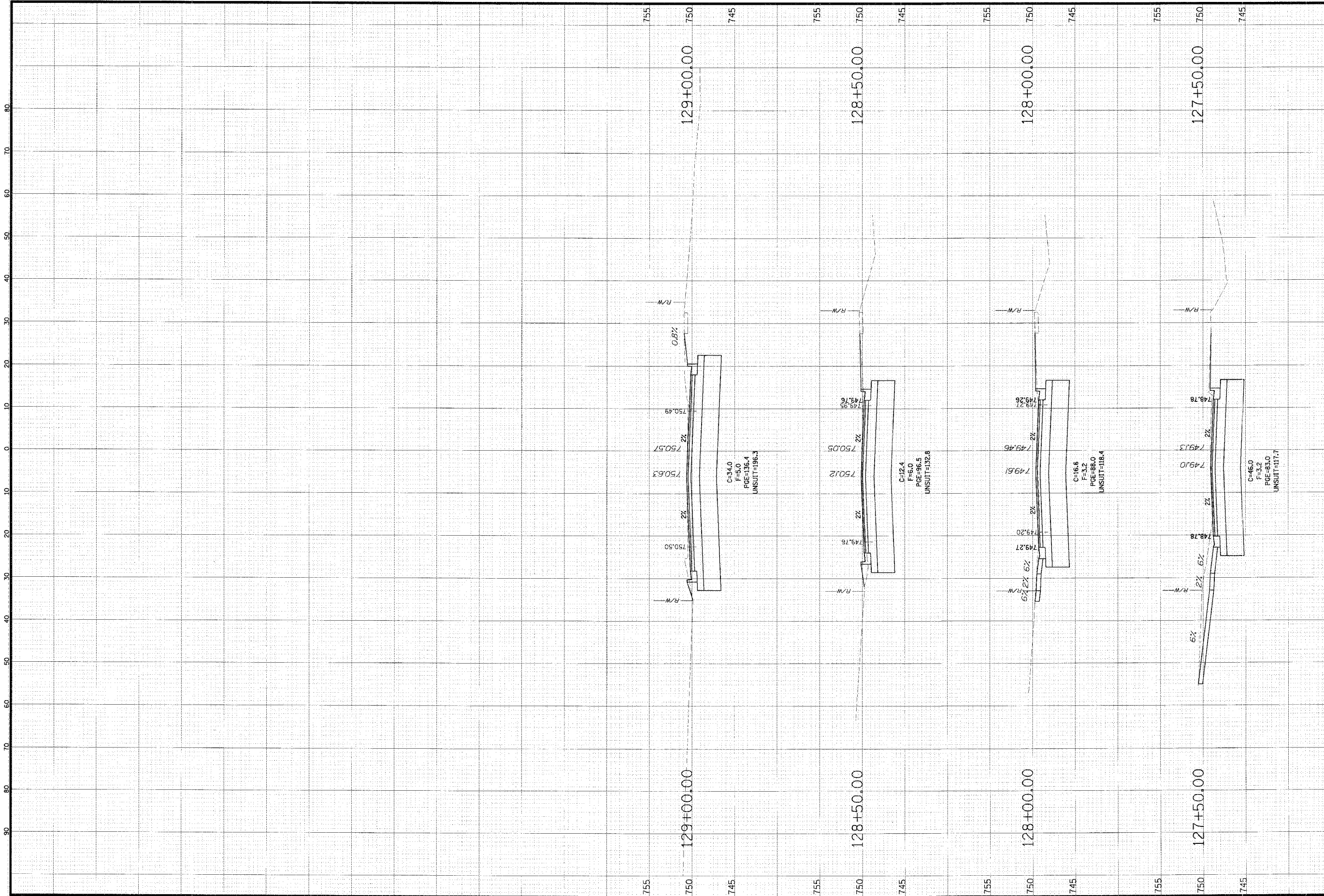
PROJECT NO.	98-161br48
CHRD.	
SHEET	107 OF 116
DRAWING NO.	
TITLE	
DUPONT AVENUE	
CROSS SECTIONS	
STA. 125+00 TO STA. 127+24	
SCALE	1"=10' H 1"=5' V
FILE NAME	m:\v\mhdvs\98161br48\design\98161br48.dwg
DATE	6/8/2006

CLIENT:



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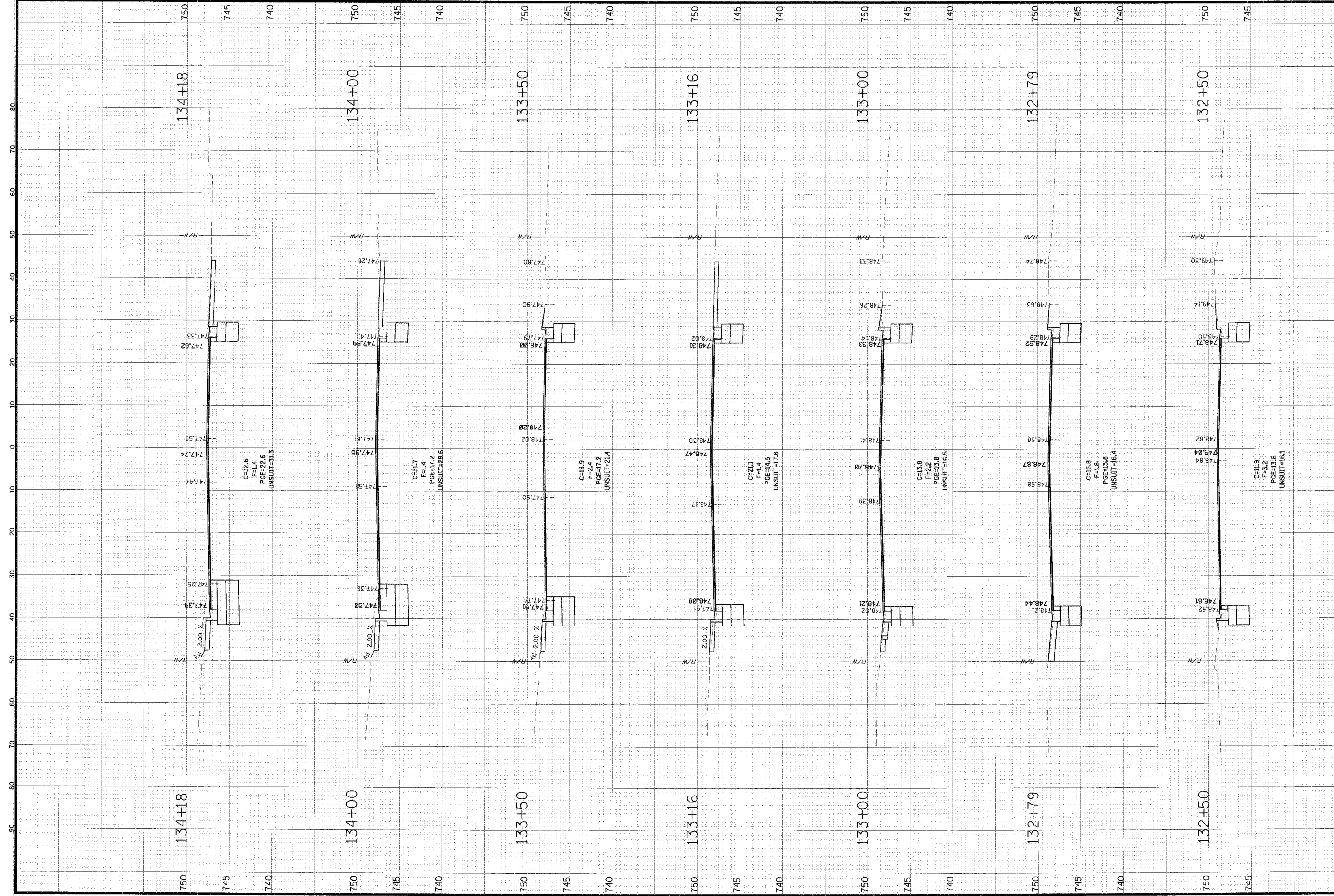


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NO.	DATE	NATURE OF REVISION	CHKD.	PROJECT NO.
DSGN.				
DWN.				
CHKD.				
SCALE:	1"=10' H 1"=5' V			
FILE NAME:	R:\Y-01\dwg\98361br48.dwg			
TITLE:	DUPONT AVENUE CROSS SECTIONS STA. 125 + 50 TO STA. 129 + 00			
				SHEET 106 OF 116 DRAWING NO.
				DATE: 6/29/2006



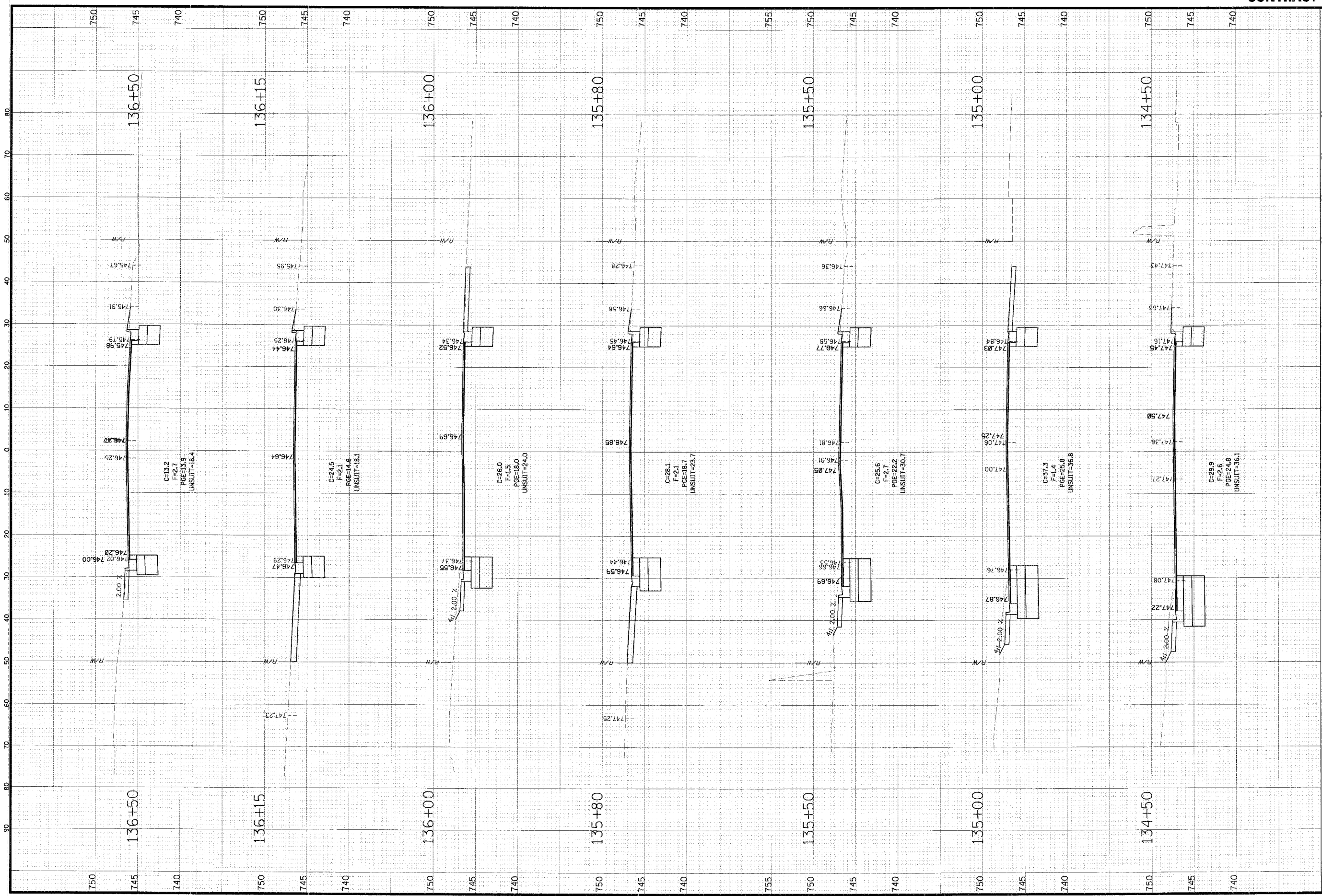
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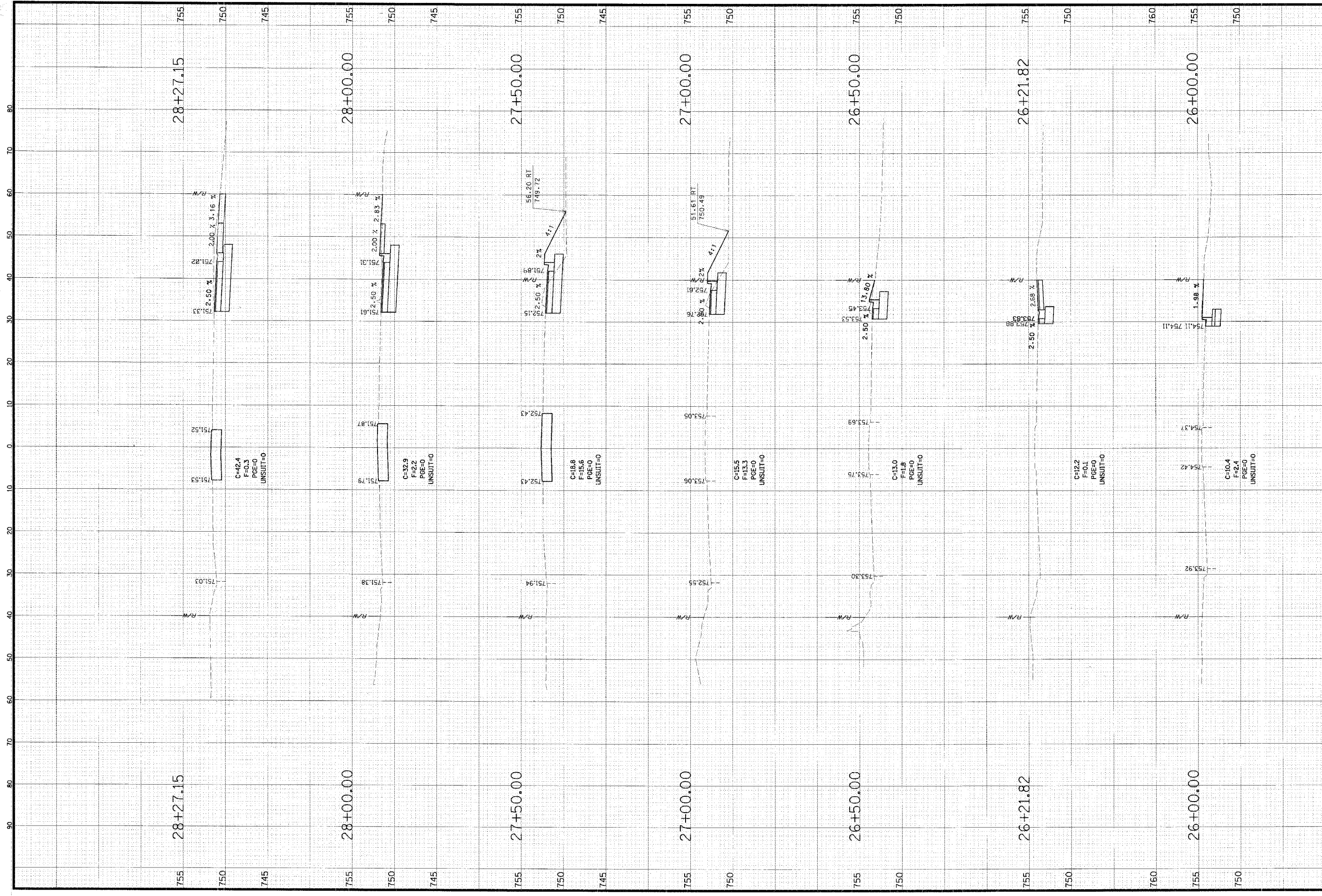
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DISGN.	DATE	NATURE OF REVISION	PROJECT NO.
DWN.			CHRD.
CHRD.			SHEET 110 OF 115
SCALE:	1"=10' H 1"=5' V	TITLE:	DRAWING NO.
FILE NAME:			DATE: 6/8/2006

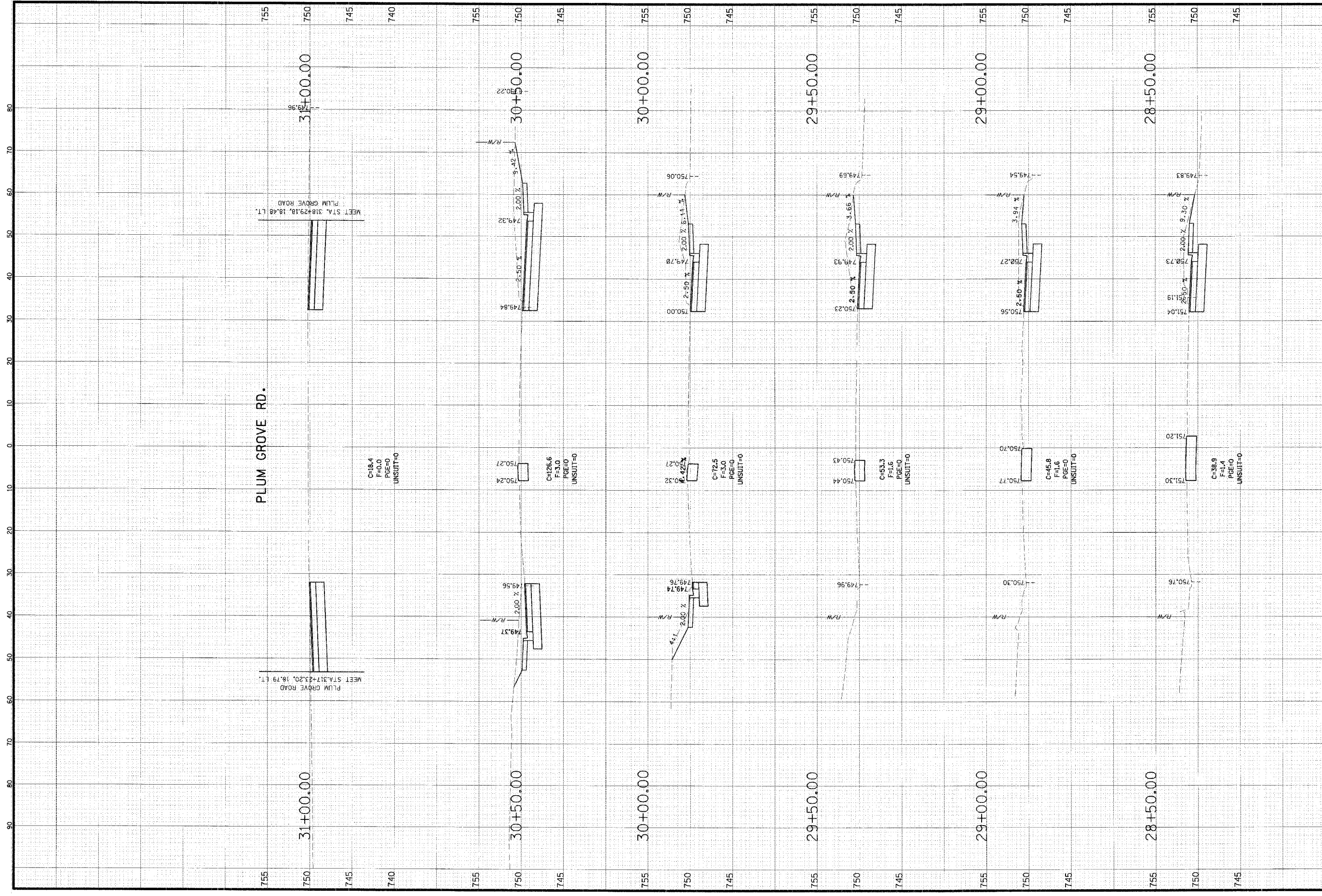
KIRCHOFF ROAD
CROSS SECTIONS
STA. 132 + 50 TO STA. 134 + 18



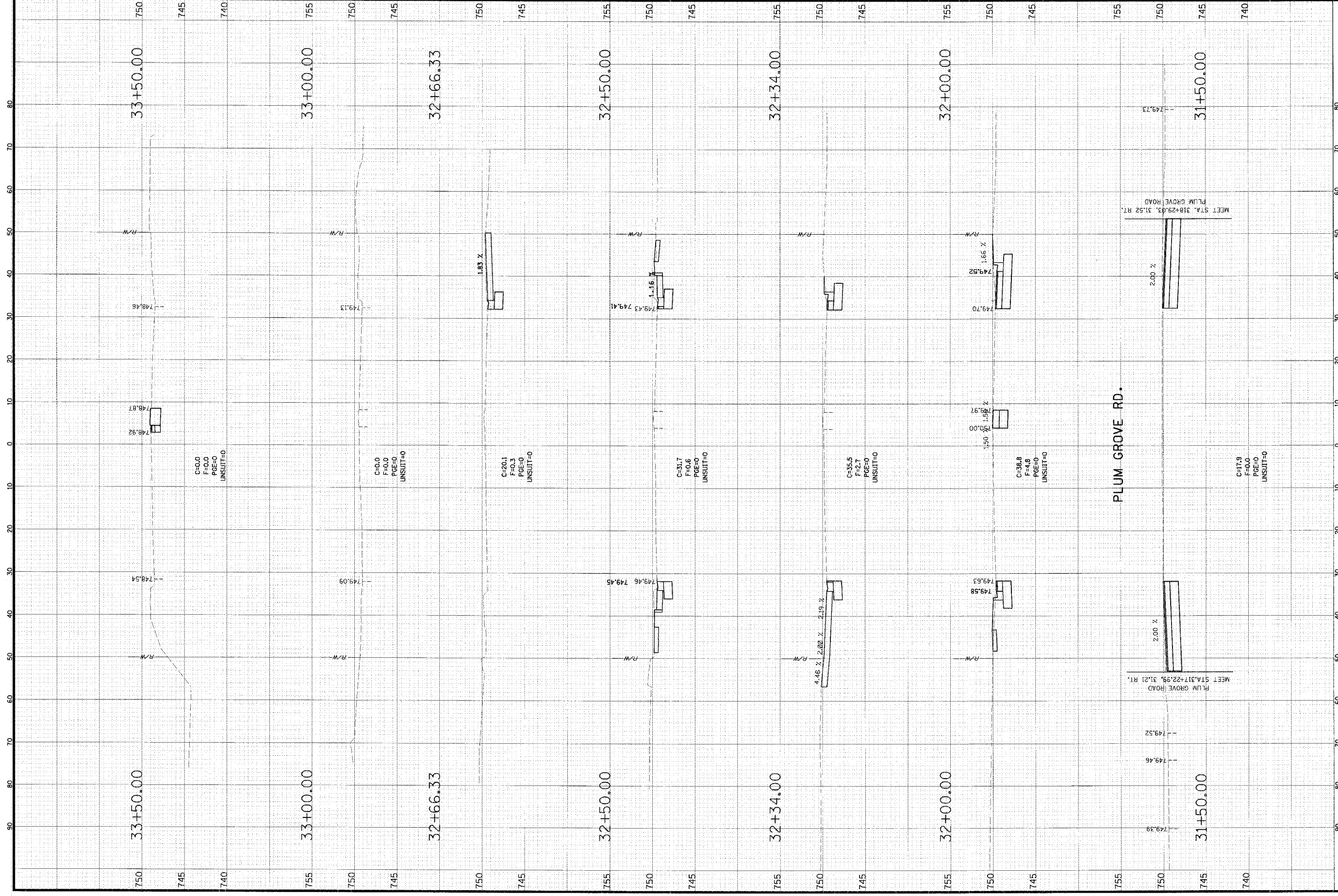
PROJECT NO.		CHRD.	
SHEET 111 OF 116		DRAWING NO.	
KIRCHOFF ROAD CROSS SECTIONS STA. 134 + 50 TO STA. 136 + 50			
DATE		SCALE	
1'-5" V		1"=10' H	
FILE NAME: \\v\m\dwg\83853\134-48\cross\983853-134-48.kir.dwg			
City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500			
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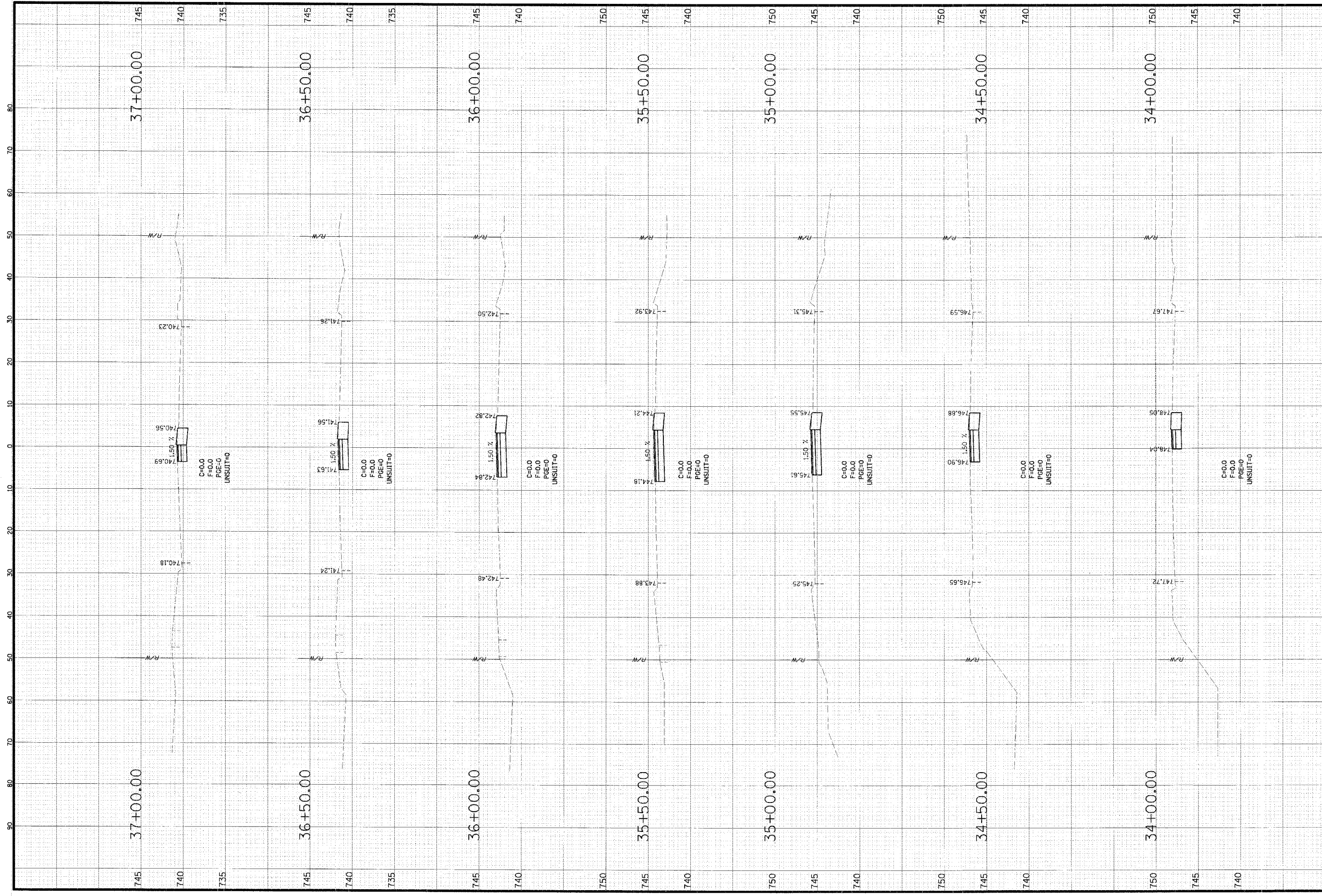
		City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500		CLIENT: CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	
PROJECT NO. 98-361D-48	CHKD.	NATURE OF REVISION	TITLE: EUCLID AVENUE CROSS SECTIONS STA. 26+00 TO STA. 28+27	SHEET 112 OF 116	DRAWING NO.
DATE DSN. DWN. CHD. MCV	DATE PAM PAM PAM MCV	SCALE: 1"=10' H 1"=5' V	FILE NAME: N:\AROLD\DWG\83853\DESIGN\83853D-48.dwg	DATE: 1/2/2007	



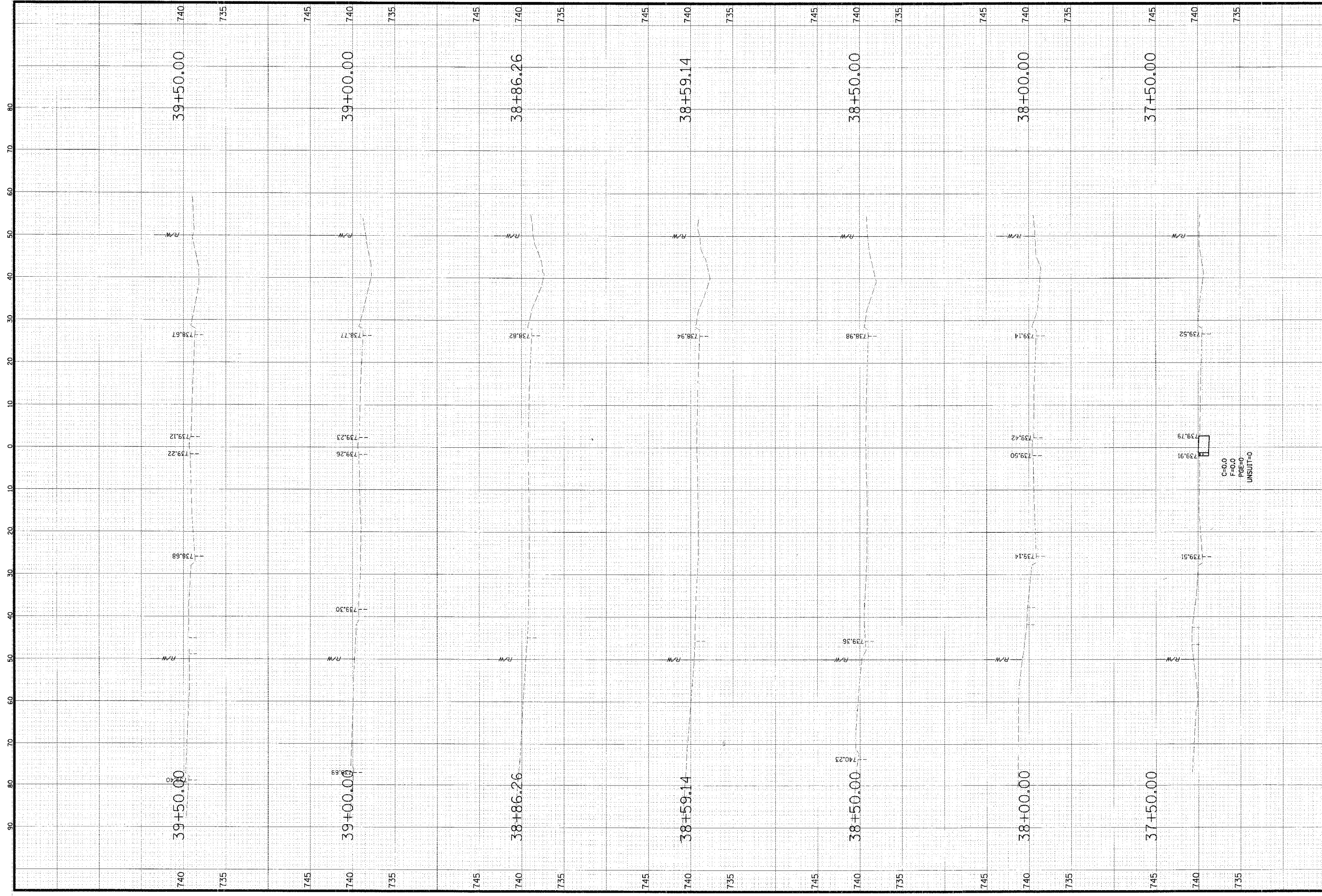
		CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	
		City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-8500	
PROJECT NO. CHD.	DATE DSN. DWL. CHD.	NATURE OF REVISION TITLE: SCALE: 1"=10' H 1"=5' V	SHEET 113 OF 116 DRAWING NO. DATE: 1/4/2007
EUCLID AVENUE CROSS SECTIONS STA. 28 + 50 TO STA. 31 + 00			




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NO. _____ DSN. _____ DWG. _____ CHKD. _____	DATE _____ SCALE: 1"=10' H 1"=5' V	TITLE: EUCLID AVENUE CROSS SECTIONS STA. 31 + 50 TO STA. 33 + 50	PROJECT NO. _____ SHEET 114 OF 116 DRAWING NO. _____ DATE: 1/5/2007



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NO. _____ DSN. _____ DWG. _____ CHD. _____	DATE _____ NATURE OF REVISION _____ CHD. _____	PROJECT NO. _____ SHEET 115 OF 116 DRAWING NO. _____ DATE: 1/4/2007	
TITLE: EUCLID AVENUE CROSS SECTIONS STA. 34+00 TO STA. 37+00			
SCALES: 1"=10' H 1"=5' V		FILE NAME: N:\ROLLMEAD\83853\BR48\DESIGN\83853D-48.dwg	



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<p>DESIGN: _____</p> <p>DRAWN: _____</p> <p>CHKD: _____</p>	<p>DATE: _____</p> <p>NATURE OF REVISION: _____</p>	<p>PROJECT NO. _____</p> <p>CHKD. _____</p>	<p>SHEET 116 OF 116</p> <p>DRAWING NO. _____</p> <p>DATE: 1/4/2007</p>
<p>TITLE: EUCLID AVENUE CROSS SECTIONS</p> <p>STA. 37 + 50 TO STA. 39 + 50</p> <p>SCALE: 1"=10' H, 1"=50' V</p> <p>FILE NAME: N:\VOL\MOVS\98361BR48\DESIGN\98361P-08.AUC\JOY</p>			