

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	7	1

CONTRACT #62719

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

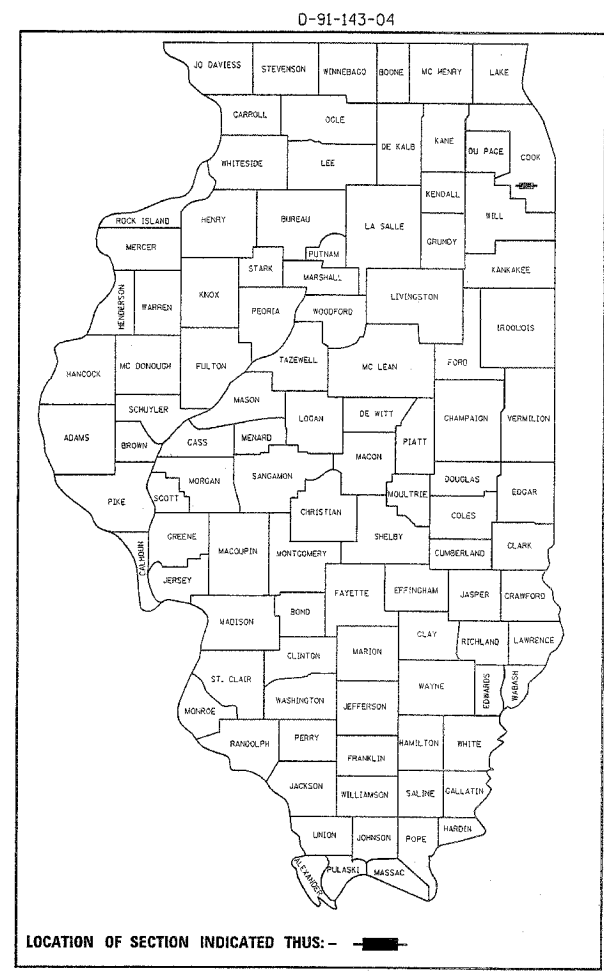
**PLANS FOR PROPOSED
HIGHWAY**

**FAP 344 /127th STREET (BURR OAK AVE.)
AT MAPLE AVE.
SECTION : 3034N-1
CHANNELIZATION, TRAFFIC SIGNAL MODERNIZATION
PROJECT : HSIP-F-0344(042)
COOK COUNTY
C-91-143-04**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

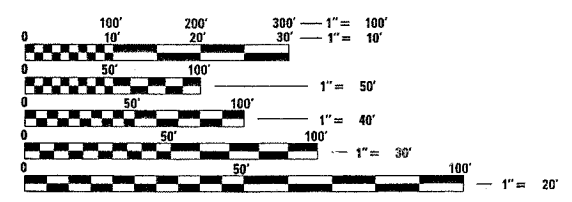
THE PROJECT IS LOCATED
IN THE CITY OF BLUE ISLAND

AVERAGE DAILY TRAFFIC
127th ST.: 2002 ADT = 23,500
MAPLE AVE.: 2002 ADT = 3,564
POSTED SPEED LIMIT
30-40 MPH



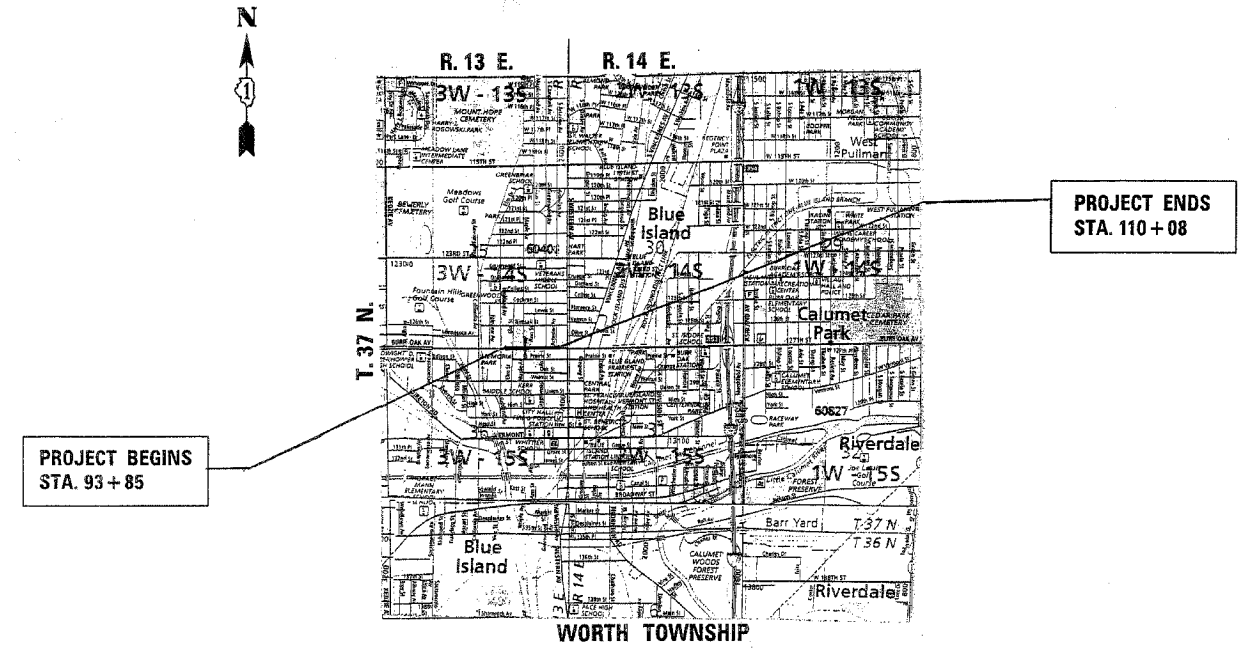
LOCATION OF SECTION INDICATED THIS: - ■ -

DISTRICT 1 DESIGN PLAN PREPARATION ENGINEER: KEN ENG/LONG TRAN, (847) 705-4240



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



CONTRACT NO. 62719

NET AND GROSS LENGTH OF PROJECT = 1623 FEET (0.307 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED January 3 2007

Diane O'Keefe /cd
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 2 2007
Eric G. Horn /D
ENGINEER OF DESIGN AND ENVIRONMENT

February 2 2007
Milton R. Sees, P.E. /D
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

1/2/2007
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND PLAN NOTES
3-6	SUMMARY OF QUANTITIES
7-11	TYPICAL CROSS SECTIONS
12-14	EXISTING AND PROPOSED ROADWAY PLAN
15-18	EXISTING AND PROPOSED DRAINAGE AND UTILITY PLAN
19-20	EXISTING AND PROPOSED ROADWAY PROFILE
21-24	RIGHT OF WAY PLATS
25	PAVEMENT MARKING AND LANDSCAPING DETAILS
26	EROSION CONTROL AND SEDIMENTATION CONTROL PLAN
27-36	TRAFFIC SIGNAL PLANS
37-44	LIGHTING PLANS
45	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB / EDGE OF SHOULDER >= 4.5 M (15 FT.)
46	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 4.5 M (15 FT)
47	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
48	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
49	BUTT JOINT AND HMA TAPER DETAIL (BD-32)
50	MANHOLE WITH RESTRICTOR PLATE DETAIL BD-12
51	CATCH BASIN TYPE 'A' CITY OF BLUE ISLAND DETAILS
52	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
53	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
54	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
55	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
56	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
57	TEMPORARY INFORMATION SIGNING
58	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONES OPENINGS
59-71	CROSS SECTIONS

LIST OF STANDARDS

STD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-02	CLASS C & D PATCHES
602001	CATCH BASIN, TYPE A
602701-01	CAST IRON STEPS
604001-02	FRAME AND LIDS, TYPE 1
604036-01	GRATE, TYPE 8
604091-01	FRAME AND GRATE, TYPE 24
606001-03	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
701001-01	OFF-ROAD OPERATION, 2L, 2W, 15' MIN. AWAY FOR SPEEDS > 45 MPH
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 18'-20' FROM EDGE OF PAVEMENT
701101-01	OFF-ROAD OPERATIONS, MULTILANE LESS THAN 15' AWAY FOR SPEEDS ≥ 45 MPH
701106-01	OFF-ROAD OPERATIONS, MULTILANE MORE THAN 15' AWAY FOR SPEEDS ≥ 45 MPH
701602-02	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS

PLAN NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND CITY OF BLUE ISLAND.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSIONS FROM THE DEPARTMENT.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS," SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON SITE TESTING BY THE ENVIRONMENTAL FIRM. NO TESTING OF ANY KIND, CONTAMINATED OR NON CONTAMINATED FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.

THE ENGINEER WILL CONTACT FABIOLA QUIROZ OF THE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171, AT LEAST 72 HOURS PRIOR TO PLANTING AND LAYOUT OF THE TREES AND PERENNIALS.

THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER AT (708) 597-9800 A MINIMUM OF 72 HOURS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL OVERHEAD, SURFACE, AND UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS WHETHER OR NOT THE UTILITES ARE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

EXISTING SEWER LOCATIONS SHOWN ARE FROM AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY THEIR LOCATIONS.

ALL PROPOSED DRIVEWAYS SHALL BE HMA UNLESS OTHERWISE SPECIFIED AS PORTLAND CEMENT CONCRETE ON THE PLAN SHEETS.

THE CONTRACTOR SHALL NOT CARRY CURB AND GUTTER REMOVAL WORK ON BOTH SIDES OF THE STREET (127TH ST.) AT THE SAME TIME.

THE CONTRACTOR SHALL NOT CARRY SIDEWALK REMOVAL WORK ON BOTH SIDES OF THE STREET (127TH ST.) AT THE SAME TIME.

THE CONTRACTOR SHALL MAINTAIN STREET LIGHTING ON ONE SIDE OF 127TH STREET AT ALL THE TIME. THIS MAY REQUIRE REMOVAL OF FOUNDATION AND INSTALLATION OF NEW LIGHT FIXTURES. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW, COMMENTS AND APPROVAL. NO PAYMENT SHALL BE MADE FOR MAINTAINING TEMPORARY LIGHTING.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES SERVICING ADJACENT PROPERTIES AT ALL TIMES DURING CONSTRUCTION. WHEN A PROPERTY IS SERVICED BY A SINGLE ENTRANCE, THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED ENTRANCE ONE HALF AT A TIME IN ORDER TO MAINTAIN ACCESS. WHEN A PROPERTY IS SERVICED BY MULTIPLE ENTRANCES, ONE OF THE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF OUTMOST IMPORTANCE TO THE CITY OF BLUE ISLAND. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OF TREES. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION.

TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIP LINE OF THE EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

EROSION CONTROL WORK ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.

THE LANDSCAPING AND EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.

THE CONTRACTOR SHALL EXERCISE PROFESSIONAL AND PRUDENT CARE SO AS NOT TO DAMAGE IN ANY FORM, SHAPE OR SIZE AND TO PRESERVE AND TO MAINTAIN THE CURRENT CONDITIONS AND INTEGRITIES OF PRIVATELY OWNED RETAINING WALLS, PRIVATE FENCES, BUILDINGS AND ANCILLARY STRUCTURES IN THE VICINITY OF THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL AT HIS/HER OWN COST SATISFACTORILY REPAIR ANY AND ALL DAMAGES, IF CAUSED BY THE CONTRACTOR, AND, CLAIM NO ADDITIONAL COMPENSATION FROM THE DEPARTMENT FOR SUCH DAMAGES.

PROPOSED STORM SEWER CONNECTING TO AN EXISTING MANHOLE OR CATCH BASIN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED MANHOLE OR CATCH BASIN

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		F.A.P. ROUTE 344 127TH ST. @ MAPLE RD. INDEX OF SHEETS LIST OF STATE STANDARDS PLAN NOTES SCALE: VERT. NONE HORIZ. DATE 4/13/2007 DRAWN BY CHECKED BY

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			HSIP				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	1000-2A 90% FED. 10% STATE	Y031-IF TRAFFIC 90% FED. 5% STATE 5% CITY	Y031-IF TRAFFIC 100% CITY	Y030-IE LIGHTING 80% FED. (STP-U) 20% CITY			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	70	70						
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	307	307						
20101000	TEMPORARY FENCE	FOOT	744	744						
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5						
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5						
* 20101700	SUPPLEMENTAL WATERING	UNIT	17	17						
20200500	EARTH EXCAVATION (WIDENING)	CU YD	1504	1504						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	275	275						
20800150	TRENCH BACKFILL	CU YD	845	845						
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1865	1865						
21300010	EXPLORATION TRENCH, SPECIAL	FOOT	200				200			
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	24	24						
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	24	24						
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	24	24						
25000750	MOWING	ACRE	0.5	0.5						
* 25200110	SODDING, SALT TOLERANT	SQ YD	1865	1865						
28000510	INLET FILTERS	EACH	42	42						
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2023	2023						
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	1650	1650						
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	137	137						
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	8	8						
40600300	AGGREGATE (PRIME COAT)	TON	40	40						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3	3						
40600895	CONSTRUCTING TEST STRIP	EACH	1	1						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	88	88						
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	99	99						
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	16	16						

SUMMARY OF QUANTITIES			HSIP				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	1000-2A 90% FED. 10% STATE	Y031-IF TRAFFIC 90% FED. 5% STATE 5% CITY	Y031-IF TRAFFIC 100% CITY	Y030-IE LIGHTING 80% FED. (STP-U) 20% CITY			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	824	824						
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	180	180						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	15337	15337						
42400800	DETECTABLE WARNINGS	SQ FT	60	60						
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	8156	8156						
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	390	390						
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3481	3481						
44000600	SIDEWALK REMOVAL	SQ FT	10955	10955						
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	3938	3938						
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	756	756						
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	19	19						
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	367	367						
50300300	PROTECTIVE COAT	SQ YD	2479	2479						
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	502	502						
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	367	367						
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	190	190						
60107600	PIPE UNDERDRAINS 4"	FOOT	200	200						
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	13	13						
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5	5						
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8						
60240327	INLETS, TYPE B, TYPE 23 FRAME AND GRATE	EACH	6	6						
60250200	CATCH BASINS TO BE ADJUSTED	EACH	10	10						
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	16	16						
60500040	REMOVING MANHOLES	EACH	2	2						
60500050	REMOVING CATCH BASINS	EACH	12	12						
60500060	REMOVING INLETS	EACH	2	2						
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3481	3481						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9						
67100100	MOBILIZATION	L SUM	1	1						

NON-PARTICIPATING
*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
127TH ST. AT MAPLE AVE.

1/10/2007 10:00:00 AM C:\CHY\4507

F.A.P. RTE. 344	SECTION 3034 N-1	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 4
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	HSIP		F		CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	HSIP		F	
				1000-2A 90% FED. 10% STATE	Y031-IF TRAFFIC 90% FED. 5% STATE 5% CITY		Y030-IE LIGHTING 80% FED. (STP-U) 20% CITY					1000-2A 90% FED. 10% STATE	Y031-IF TRAFFIC 90% FED. 5% STATE 5% CITY	Y030-IE LIGHTING 80% FED. (STP-U) 20% CITY	
70102632	TRAFFIC CONTROL & PROTECTION, STANDARD 701602	L SUM	1	1				81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	324		224		100
70102640	TRAFFIC CONTROL & PROTECTION, STANDARD 701801	L SUM	1	1				81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	70				70
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	24	24				81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	205		205		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1078	1078				81400100	HANDHOLE	EACH	6		6		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	83	83				81400200	HEAVY-DUTY HANDHOLE	EACH	2		2		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5924	5924				81400300	DOUBLE HANDHOLE	EACH	1		1		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	763	763				81603050	UNIT DUCT, 600V, 3-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	3450				3450
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	130	130				81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	230				230
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	144	144				81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1778		1708		70
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	918	918				82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	8				8
72000100	SIGN PANEL - TYPE 1	SQ FT	13.5		13.5			82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12				12
72000200	SIGN PANEL - TYPE 2	SQ FT	30		30			82500520	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 480VOLT	EACH	1				1
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	83	83				83008400	LIGHT POLE, ALUMINUM, 40 FT. M. H., 10 FT. MAST ARM	EACH	10				10
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5924	5924				83008500	LIGHT POLE, ALUMINUM, 40 FT. M. H., 12 FT. MAST ARM	EACH	9				9
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	763	763				83008600	LIGHT POLE, ALUMINUM, 40 FT. M. H., 15 FT. MAST ARM	EACH	1				1
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	130	130				83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	144				144
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	144	144				83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	27				27
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	108	108				83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	20				20
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	78	78				84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	20				20
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1		84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1				1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1			1		84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1				1
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	2285		1580		705	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	104		104			85700205	FULL-ACTUATED CONTROLLER AND TYPE 4 CABINET, SPECIAL	EACH	1		1		
* 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	30		30										

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
127TH ST. AT MAPLE AVE.

PLOT DATE: 1/9/2007

1/9/2007
C:\p001\127th St. At Maple Ave.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	5
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	HSIP					URBAN TOTAL QUANTITIES	HSIP									
				1000-2A 90% FED. 10% STATE	Y031-IF TRAFFIC 90% FED. 5% STATE 5% CITY		Y030-IE LIGHTING 80% FED. (STP-U) 20% CITY				1000-2A 90% FED. 10% STATE	Y031-IF TRAFFIC 90% FED. 5% STATE 5% CITY		Y030-IE LIGHTING 80% FED. (STP-U) 20% CITY					
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1														
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	566		566														
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1204		1204														
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	722		722														
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1368		1368														
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2317		2317														
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	113		113														
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2		2														
87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1		1														
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1		1														
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2		2														
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8		8														
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4		4														
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60		60														
87900200	DRILL EXISTING HANDHOLE	EACH	1		1														
88000200	SIGNAL HEAD, 1-FACE, 3-SECTION, WITH ONE DUAL-INDICATION SECTION, MAST ARM MOUNTED	EACH	4		4														
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8		8														
88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10														
88600100	DETECTOR LOOP, TYPE I	FOOT	713		713														
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4		4														
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1														
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1														
89502380	REMOVE EXISTING HANDHOLE	EACH	6		6														
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9														
A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	4		4														
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8		8														
A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8		8														
A2012001	TREE, AESCULUS X CARNE BRIOTTI (BRIOTTI HORSECHESTNUT), 2" CALIPER, BALLED AND BURLAPPED	EACH	5		5														
B2003114	TREE, MALUS CORALBURST (CORALBURST CRAB APPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5		5														
B2003116	TREE, MALUS CORALBURST (CORALBURST CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2		2														
K1005863	TREE ROOT PRUNING	EACH	5		5														
X0301407	PERENNIAL PLANTS, GALLON POT	UNIT	1		1														
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	103		103														
X0322453	WEED CONTROL, PRE-EMERGENT	POUND	100		100														
X0322859	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	100		100														
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1447										1447						
X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	42		42														
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	13		13														
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	550		550														
X6020095	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2		2														
X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1															1	
X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1473															1473	
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	637															637	
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4															4	

*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
127TH ST. AT MAPLE AVE.

PLOT DATE: 1/9/2007

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	6
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	1000-2A 90% FED. 10% STATE	Y031-IF TRAFFIC 90% FED. 5% STATE 5% CITY	Y030-IE LIGHTING 80% FED. (STP-U) 20% CITY				CODE NO	ITEM	UNIT					
* 88030100	SIGNAL HEAD , LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4												
* 88030110	SIGNAL HEAD , LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4												
* 88102740	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	4		4												
* XX001363	PERENNIAL PLANT, NARCISSUS	UNIT	1	1													
* XX001399	UNIT DUCT, BORED AND PULLED	FOOT	3145			3145											
* XX002852	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		1												
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	2424	2424													
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1													
⊙ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	35	35													
B2005214	TREE, MALUS SUTYZAN (SUGAR TYME CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	5													
B2005716	TREE, PYRUS CALLERYANA CHANTICLEER (CHANTICLEER CALLERY PEAR), 2" CALIPER, TREE FORM, BALLED & BURLAPPED	EACH	2	2													
B2010070	TREE, CLADRASTIS KENTLIKEN (AMERICAN YELLOWWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5													
* A2005700	TREE, PARROTIA PERSICA (PERSIAN PARROTIA) 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	4													
A2007250	TREE, ROBINIA PSEUDOCACIA PURPLE ROBE (PURPLE ROBE BLACK LOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4													
XX005656	INLET FILTER CLEANING	EACH	96	96													
● Z0076600	TRAINEES	HOUR	1000	1000													

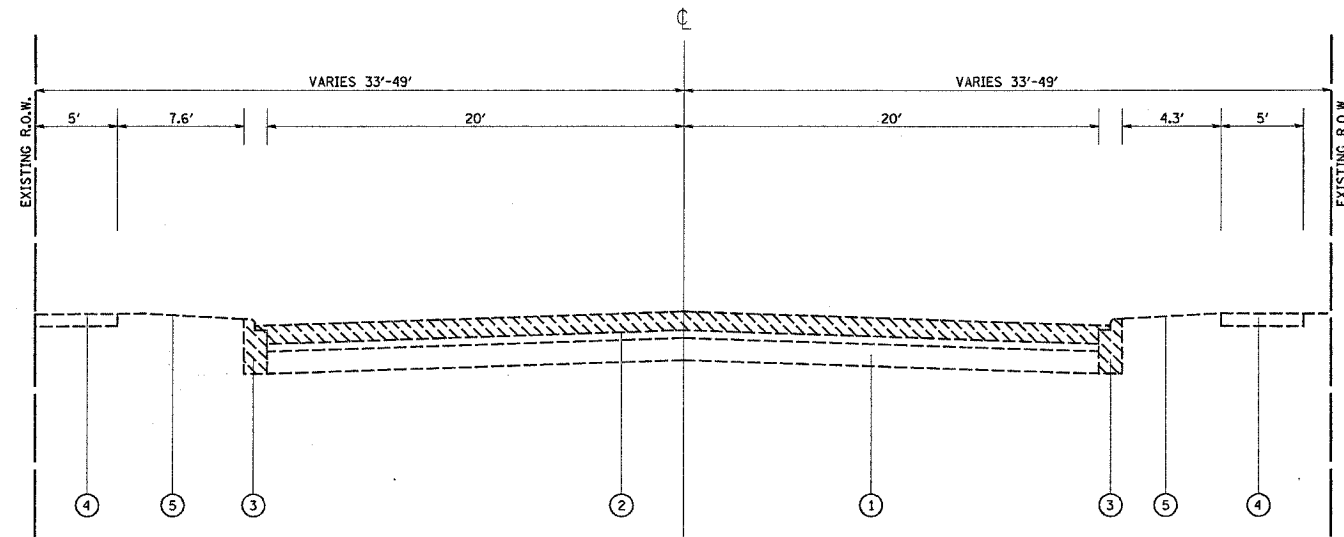
⊙ NON-PARTICIPATING
 * SPECIALTY ITEMS
 ● Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 127TH ST. AT MAPLE AVE.

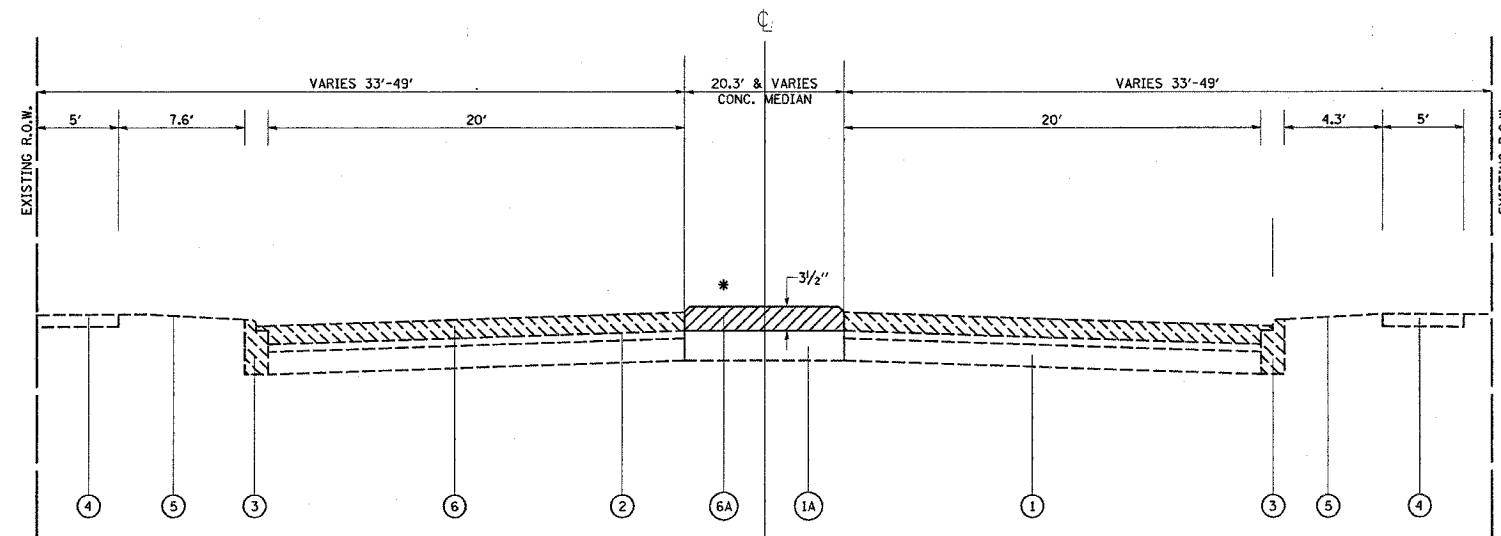
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	7
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62719

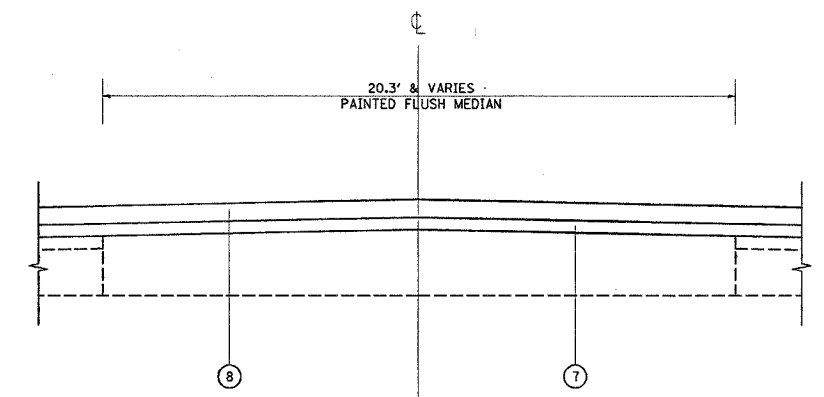


EXISTING TYPICAL SECTION
127TH ST.
STA. 93+85 TO STA. 105+15

- LEGEND
- ① EXISTING P.C.C. PAVEMENT, VARIES 6"-9 3/4"
 - ①A EXISTING CORRUGATED P.C. CONCRETE MEDIAN
 - ② EXISTING HMA SURFACE AFTER MILLING, VARIES 1/2"-2 1/4"
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12
 - ④ EXISTING P.C.C. SIDEWALK
 - ⑤ EXISTING PARKWAY
 - ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
 - ⑥A PROPOSED MEDIAN REMOVAL (PARTIAL DEPTH)
 - ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - ⑧ PROPOSED HMA CONCRETE SURFACE COURSE, MIX "D", N70, 1 1/2"
 - ⑨ PROPOSED AGGREGATE SUB-GRADE, 12"
 - ⑩ PROPOSED P.C.C. BASE COURSE, 9"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB & GUTTER, B-6.12
 - ⑫ PROPOSED P.C.C. SIDEWALK, 5"
 - ⑬ PROPOSED TOP SOIL, 4"
- REMOVAL



EXISTING TYPICAL SECTION
127TH ST.
STA. 105+15 TO STA. 110+08

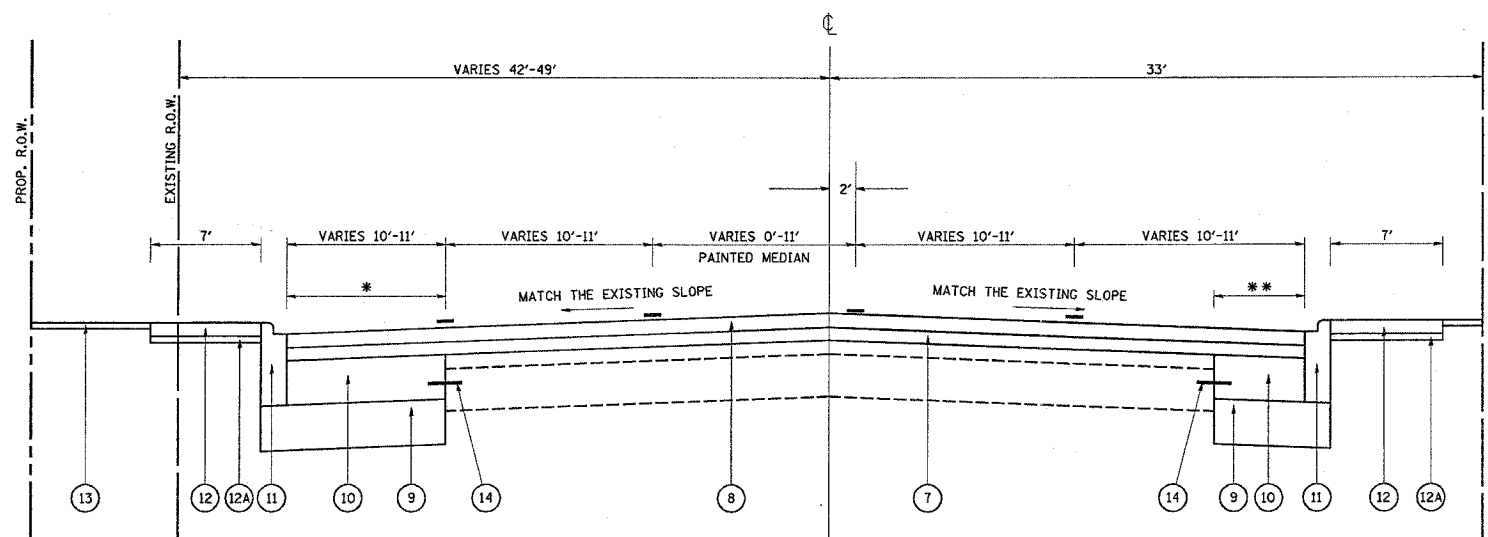


* PROPOSED TYPICAL SECTION
127TH ST.
STA. 105+15 TO STA. 110+08
MEDIAN ONLY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		127TH STREET (BURR OAK AVE.) AT MAPLE AVE. TYPICAL SECTIONS
SCALE: VERT.		DRAWN BY
HORIZ.		CHECKED BY
DATE 1/9/2007		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	77	8
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62719



PROPOSED TYPICAL SECTION
127TH ST.
STA. 93+85 TO STA. 97+10

* WIDENING 0'-11' ON NORTH SIDE AS PER PLAN (TYP.)
** WIDENING 0'-4' ON SOUTH SIDE AS PER PLAN (TYP.)

- LEGEND
- ① EXISTING P.C.C. PAVEMENT, VARIES 6"-9 3/4"
 - ①A EXISTING CORRUGATED P.C. CONCRETE MEDIAN
 - ② EXISTING HMA SURFACE AFTER MILLING, VARIES 1/2"-2 1/4"
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12
 - ④ EXISTING P.C.C. SIDEWALK
 - ⑤ EXISTING PARKWAY
 - ⑥ PROPOSED HMA REMOVAL, 2 1/2"
 - ⑥A PROPOSED MEDIAN REMOVAL (PARTIAL DEPTH)
 - ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - ⑧ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
 - ⑨ PROPOSED AGGREGATE SUB-GRADE, 12"
 - ⑩ PROPOSED P.C.C. BASE COURSE, 9"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB & GUTTER, B-6.12
 - ⑫ PROPOSED P.C.C. SIDEWALK, 5"
 - ⑫A SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
 - ⑬ PROPOSED TOP SOIL, 4"
 - ⑭ PROPOSED DRILL AND GROUT #8 EPOXY COATED DEFORMED STEEL TIE BAR, 24" LONG, 24" C-C, COST INCLUDED IN P.C.C. BASE COURSE PAY ITEM.

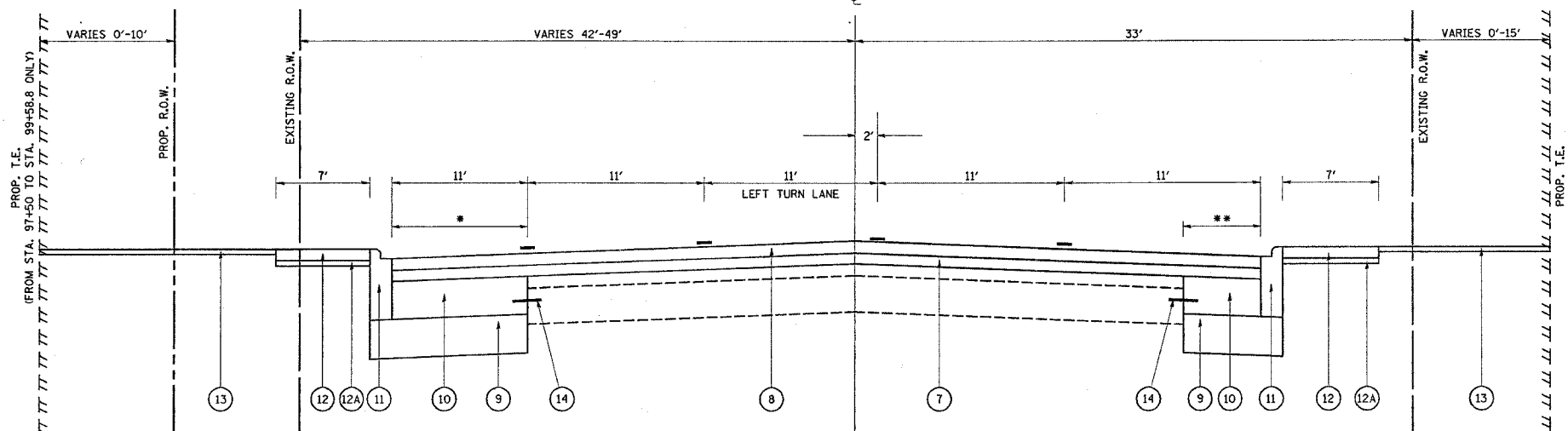
MIXTURE REQUIREMENTS

MIXTURE USE	AC/PG	DESIGN AIR VOIDS	REMARKS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PG 64-22	4% @ 70 GYR.	IL-9.5MM
*HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	PG 64-22	4% @ 50 GYR.	IL-9.5MM
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.	
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	PG 64-22/58-22	4% @ 70 GYR.	BINDER IL-19MM
CLASS "D" PATCHES	PG 64-22/58-22	4% @ 70 GYR.	BINDER IL-19MM
HOT-MIX ASPHALT BASE COURSE, 6"	PG 64-22/58-22	2% @ 50 GYR.	BINDER IL-19MM

NOTE:

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

* FOR DRIVEWAYS

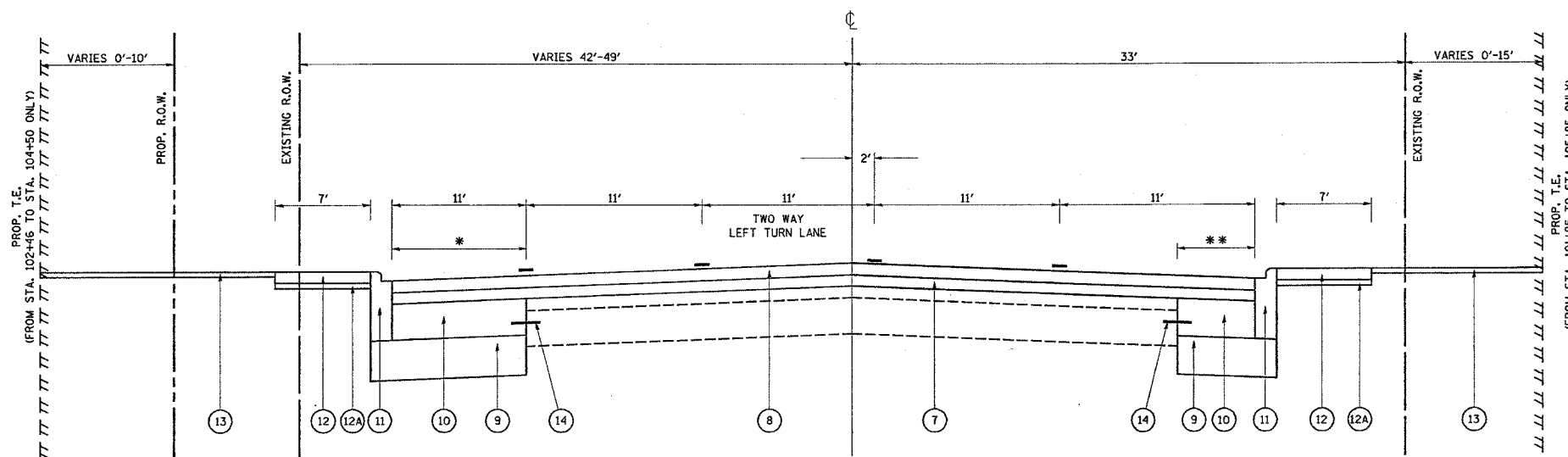


PROPOSED TYPICAL SECTION
127TH ST.
STA. 97+10 TO STA. 103+61

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION 127TH STREET (BURR OAK AVE.) AT MAPLE AVE. TYPICAL SECTIONS
NAME	DATE	
		VERT. SCALE: 1"=10' HORIZ. SCALE: 1"=40' DATE: 1/9/2007 DRAWN BY: _____ CHECKED BY: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

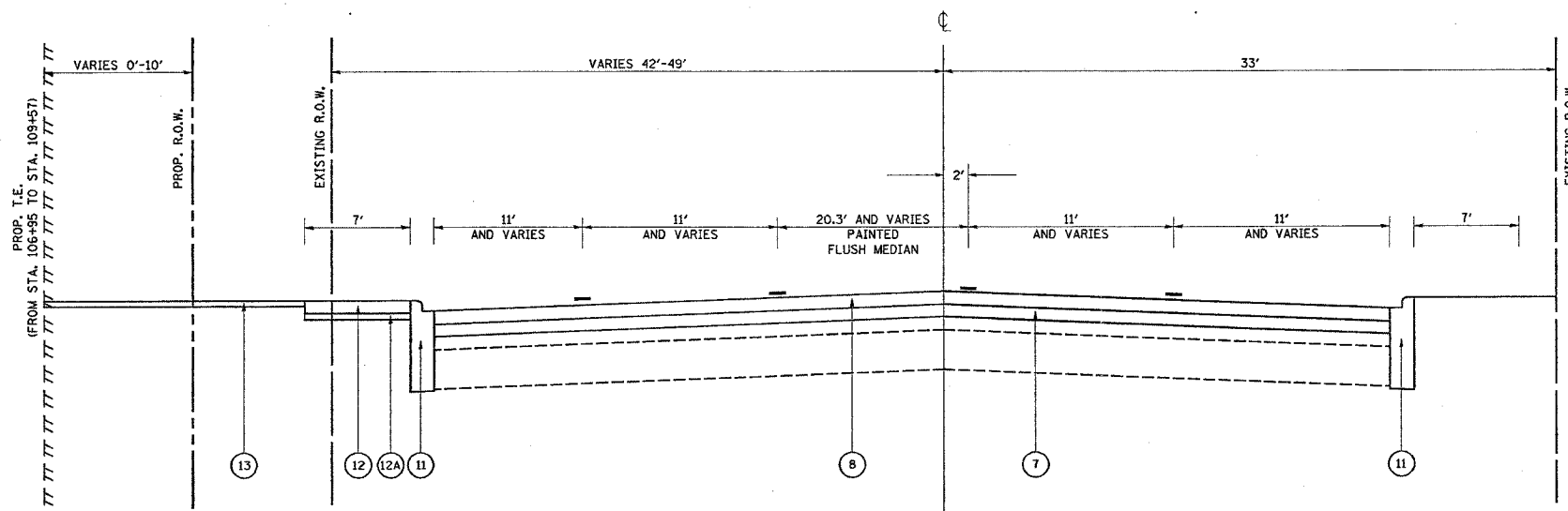
CONTRACT NO. 62719



PROPOSED TYPICAL SECTION
127TH ST.
STA. 103+61 TO STA. 107+86

* WIDENING 0'-11' ON NORTH SIDE AS PER PLAN (TYP.)
** WIDENING 0'-4' ON SOUTH SIDE AS PER PLAN (TYP.)

- LEGEND**
- ① EXISTING P.C.C. PAVEMENT, VARIES 6"-9 3/4"
 - ①A EXISTING CORRUGATED P.C. CONCRETE MEDIAN
 - ② EXISTING HMA SURFACE AFTER MILLING, VARIES 1/2"-2 1/4"
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12
 - ④ EXISTING P.C.C. SIDEWALK
 - ⑤ EXISTING PARKWAY
 - ⑥ PROPOSED HMA REMOVAL, 2 1/2"
 - ⑥A PROPOSED MEDIAN REMOVAL (PARTIAL DEPTH)
 - ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - ⑧ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
 - ⑨ PROPOSED AGGREGATE SUB-GRADE, 12"
 - ⑩ PROPOSED P.C.C. BASE COURSE, 9"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB & GUTTER, B-6.12
 - ⑫ PROPOSED P.C.C. SIDEWALK, 5"
 - ⑫A SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
 - ⑬ PROPOSED TOP SOIL, 4"
 - ⑭ PROPOSED DRILL AND GROUT #8 EPOXY COATED DEFORMED STEEL TIE BAR, 24" LONG, 24" C-C, COST INCLUDED IN P.C.C. BASE COURSE PAY ITEM.



PROPOSED TYPICAL SECTION
127TH ST.
STA. 107+86 TO STA. 110+08

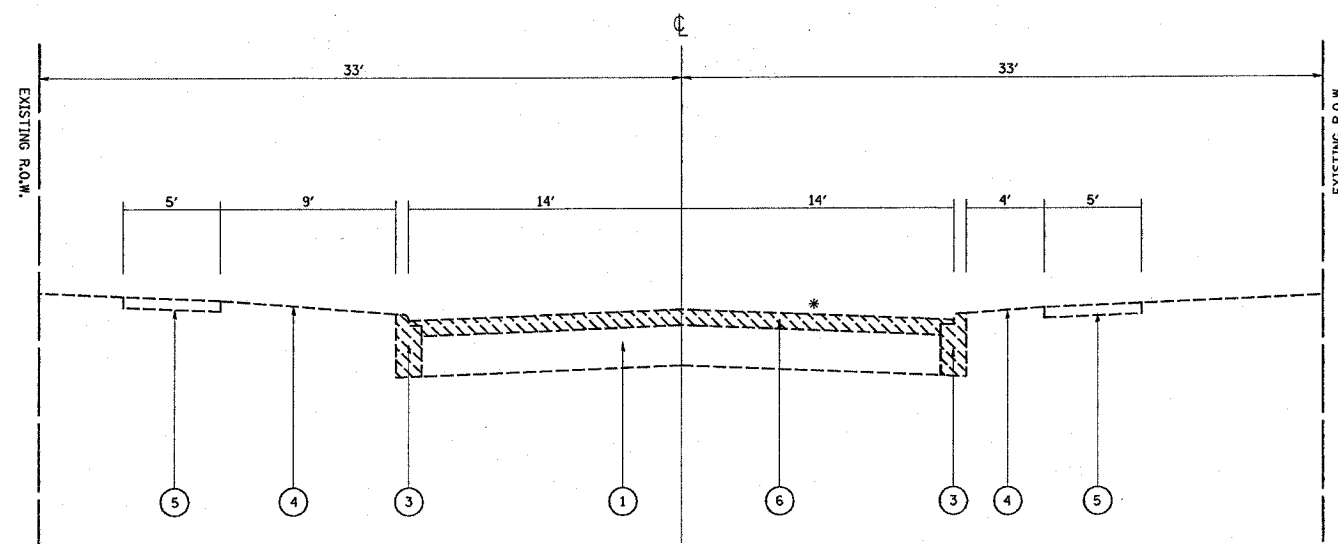
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		127TH STREET (BURR OAK AVE.) AT MAPLE AVE. TYPICAL SECTIONS

SCALE: VERT. _____
HORIZ. _____
DATE 1/9/2007


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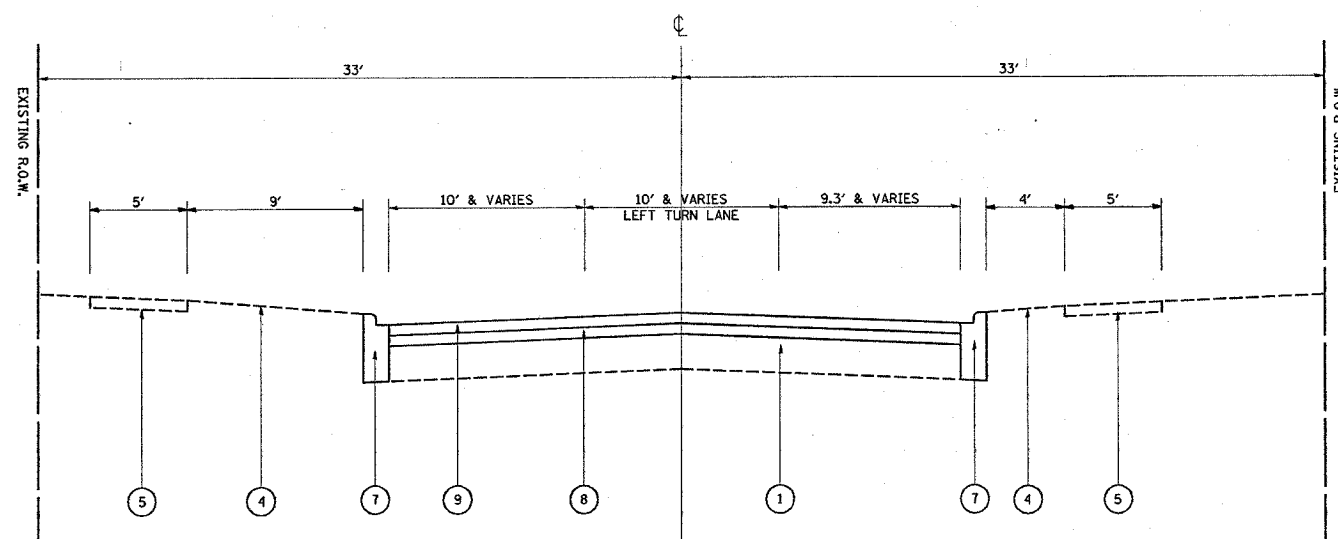
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	10
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62719



EXISTING TYPICAL SECTION
MAPLE AVENUE
STA. 18+43 TO STA. 20+00

- LEGEND**
- ① EXISTING HMA/ALUMINOUS PAVEMENT VARIES 2.75"-6.75"±
 - ② EXISTING PAVING BRICK, 4"
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12
 - ④ EXISTING PARKWAY
 - ⑤ EXISTING P.C.C. SIDEWALK
 - ⑥ PROPOSED HMA REMOVAL, 2 1/2"
 - ⑦ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, B-6.12
 - ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NSO, 1"
 - ⑨ PROPOSED HMA SURFACE COURSE, MIX 'D', N70, 1 1/2"
 - * ON STREET PARKING FROM STA. 20+83 TO STA. 21+64 ONLY
-  REMOVAL



PROPOSED TYPICAL SECTION
MAPLE AVENUE
STA. 18+43 TO STA. 20+00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

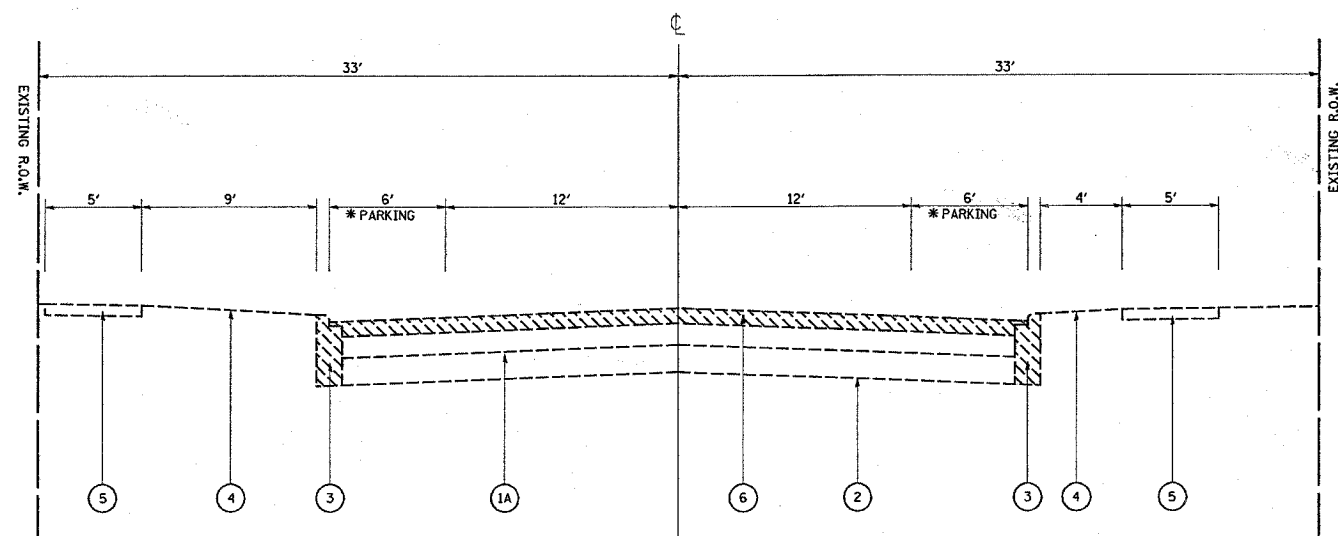
MAPLE AVE.
AT 127TH STREET (BURR OAK AVE.)
TYPICAL SECTIONS

SCALE: VERT.
HORIZ.
DATE 1/31/2007

DRAWN BY
CHECKED BY

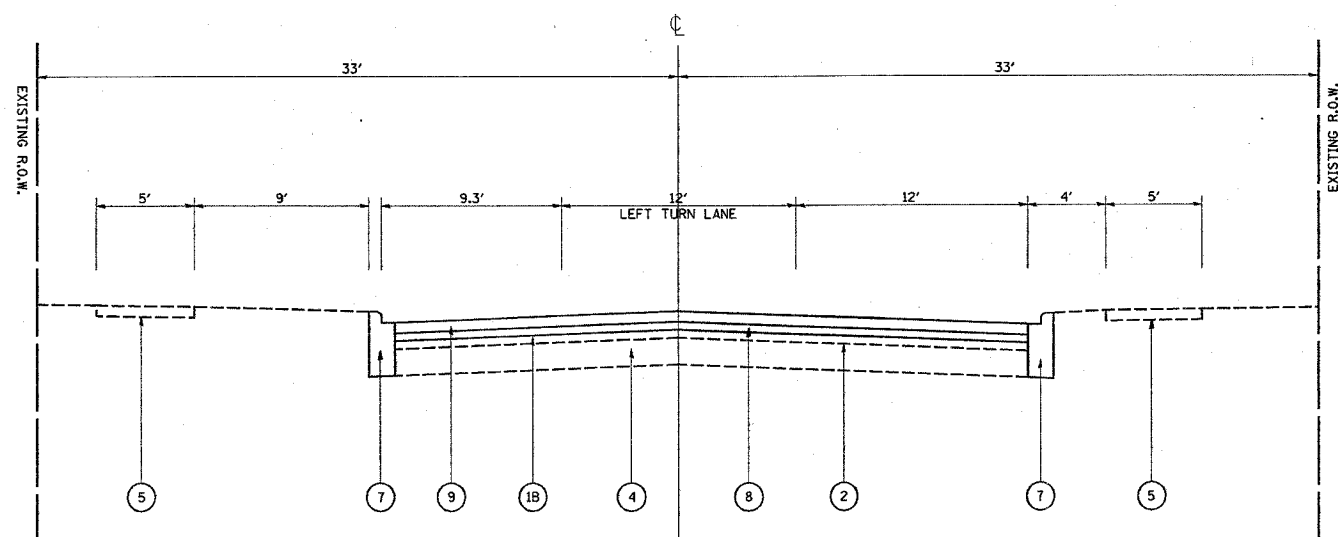
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	11
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62719



EXISTING TYPICAL SECTION
MAPLE AVENUE
STA. 20+00 TO STA. 21+64

- LEGEND
- ①A EXISTING HMA/UMINOUS PAVEMENT VARIES AND 2.75"
 - ①B EXISTING HMA/UMINOUS SURFACE AFTER MILLING
 - ② EXISTING PAVING BRICK, 4"
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12
 - ④ EXISTING PARKWAY
 - ⑤ EXISTING P.C.C. SIDEWALK
 - ⑥ PROPOSED HMA REMOVAL, 2 1/2"
 - ⑦ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, B-6.12
 - ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - ⑨ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
 - * ON STREET PARKING FROM STA. 20+83 TO STA. 21+64 ONLY
 - ▨ REMOVAL



PROPOSED TYPICAL SECTION
MAPLE AVENUE
STA. 20+00 TO STA. 21+64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAPLE AVENUE
AT 127TH STREET (BURR OAK AVENUE)
TYPICAL SECTIONS

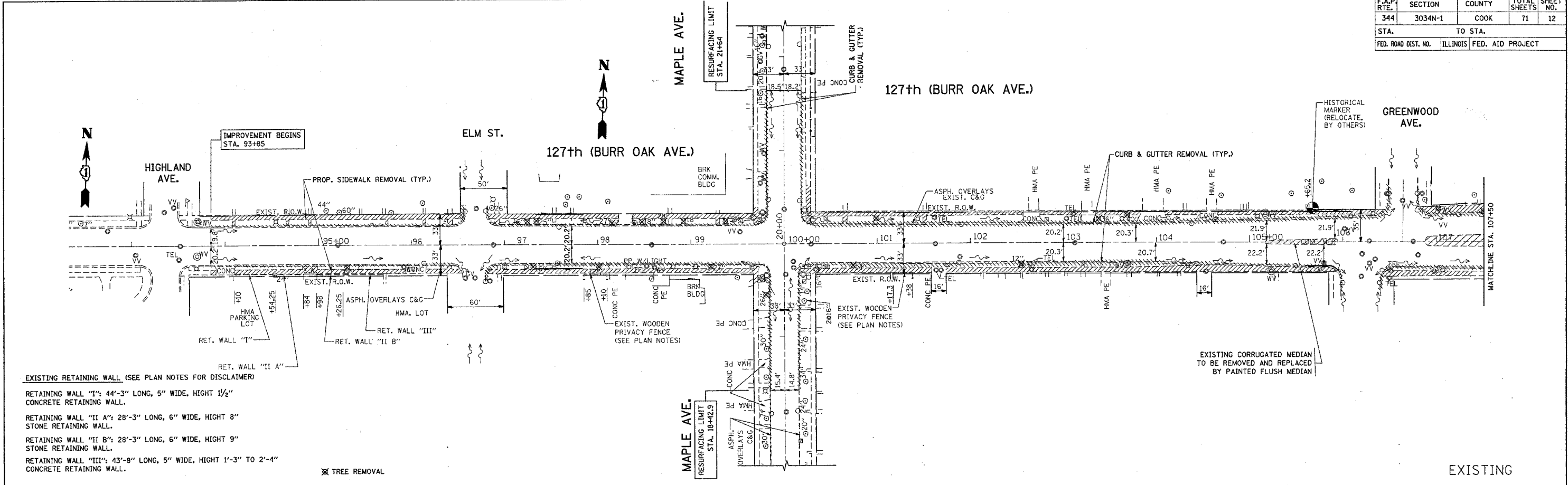
SCALE: VERT.
HORIZ.
DATE 1/3/2007

DRAWN BY
CHECKED BY

*REF-top01
*REF-pd01

CONTRACT NO. 62719

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



EXISTING RETAINING WALL (SEE PLAN NOTES FOR DISCLAIMER)

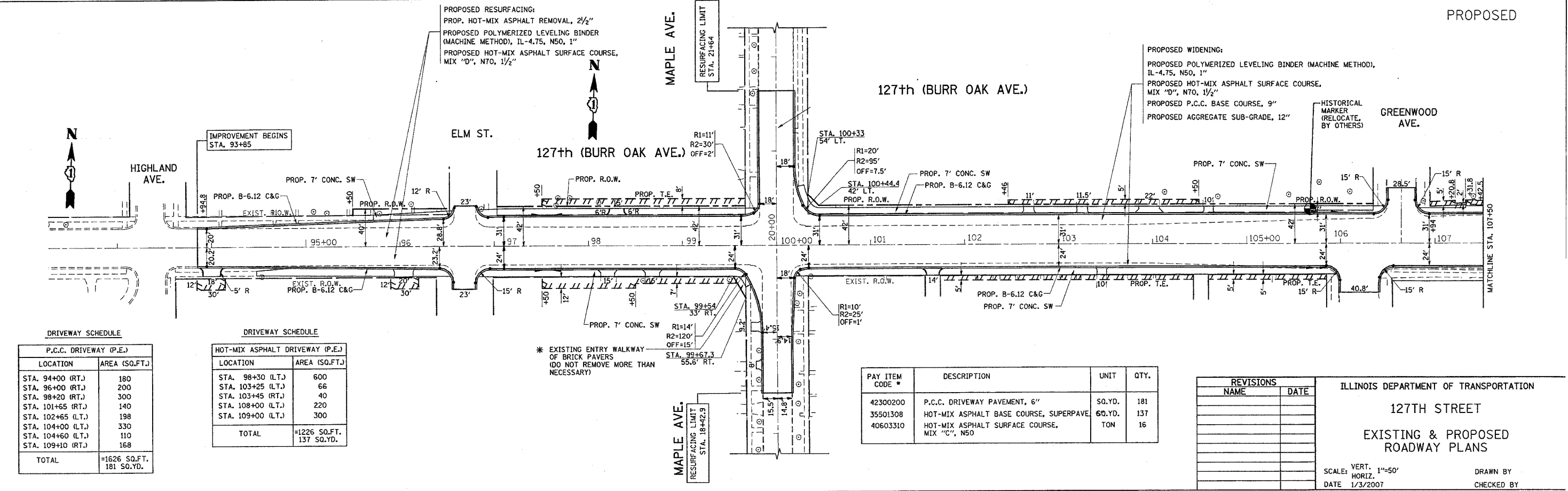
RETAINING WALL "I": 44'-3" LONG, 5" WIDE, HEIGHT 1 1/2"
CONCRETE RETAINING WALL.

RETAINING WALL "II A": 28'-3" LONG, 6" WIDE, HEIGHT 8"
STONE RETAINING WALL.

RETAINING WALL "II B": 28'-3" LONG, 6" WIDE, HEIGHT 9"
STONE RETAINING WALL.

RETAINING WALL "III": 43'-8" LONG, 5" WIDE, HEIGHT 1'-3" TO 2'-4"
CONCRETE RETAINING WALL.

⊗ TREE REMOVAL



DRIVEWAY SCHEDULE

P.C.C. DRIVEWAY (P.E.)	
LOCATION	AREA (SQ.FT.)
STA. 94+00 (RT.)	180
STA. 96+00 (RT.)	200
STA. 98+20 (RT.)	300
STA. 101+65 (RT.)	140
STA. 102+65 (LT.)	198
STA. 104+00 (LT.)	330
STA. 104+60 (LT.)	110
STA. 109+10 (RT.)	168
TOTAL	=1626 SQ.FT., 181 SQ.YD.

DRIVEWAY SCHEDULE

HOT-MIX ASPHALT DRIVEWAY (P.E.)	
LOCATION	AREA (SQ.FT.)
STA. 98+30 (LT.)	600
STA. 103+25 (LT.)	66
STA. 103+45 (RT.)	40
STA. 108+00 (LT.)	220
STA. 109+00 (LT.)	300
TOTAL	=1226 SQ.FT., 137 SQ.YD.

PAY ITEM CODE #	DESCRIPTION	UNIT	QTY.
42300200	P.C.C. DRIVEWAY PAVEMENT, 6"	SQ.YD.	181
35501308	HOT-MIX ASPHALT BASE COURSE, SUPERPAVE.	60.YD.	137
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	16

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

127TH STREET

EXISTING & PROPOSED ROADWAY PLANS

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

DATE 1/3/2007

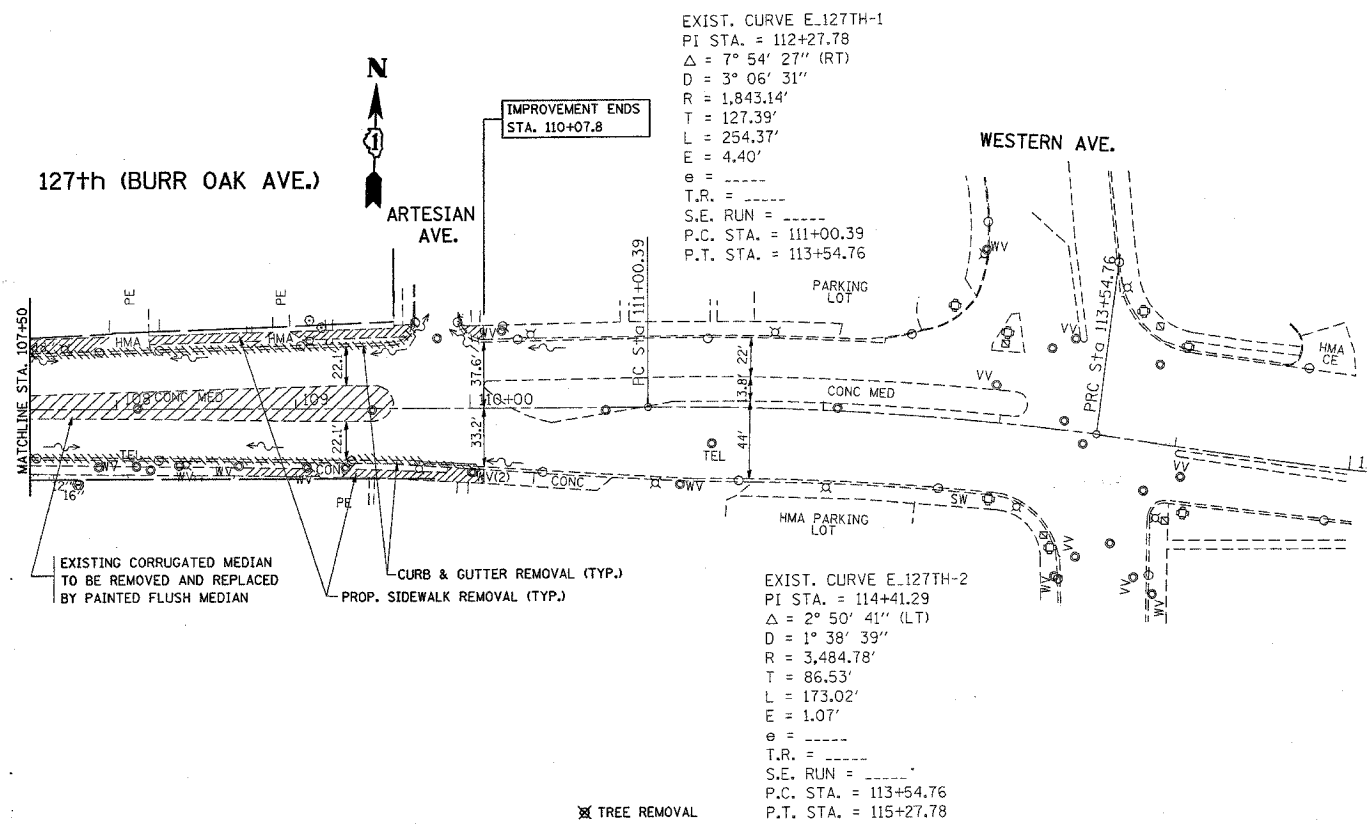
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1/3/2007
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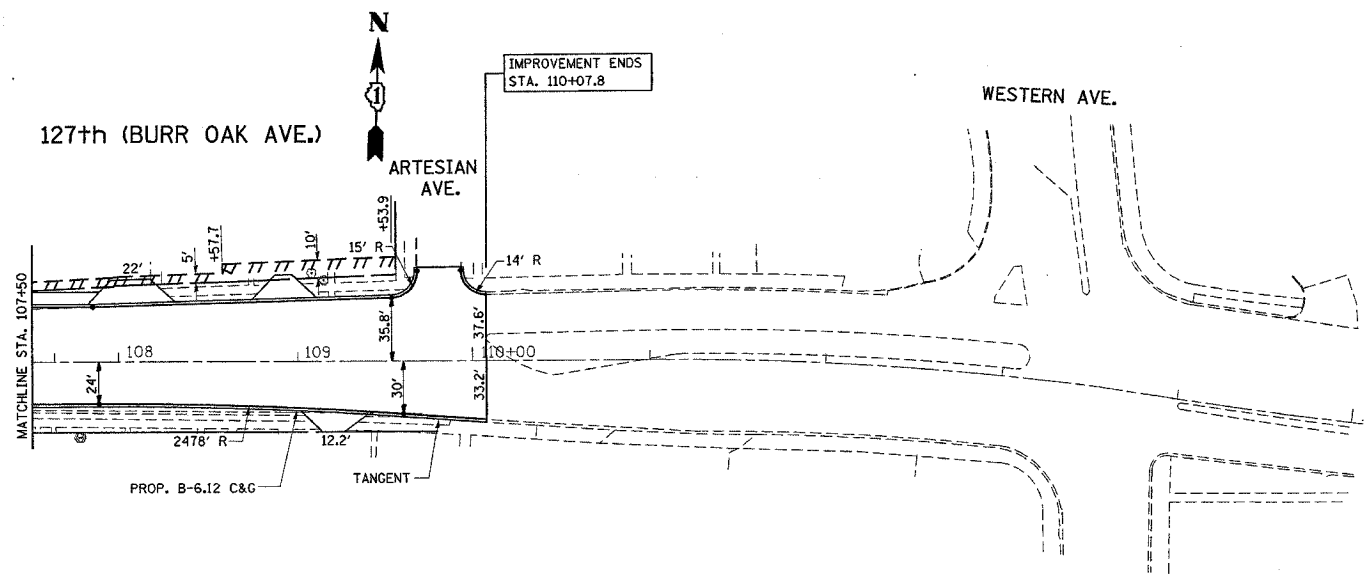
CONTRACT NO. 62719

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING

PROPOSED



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

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

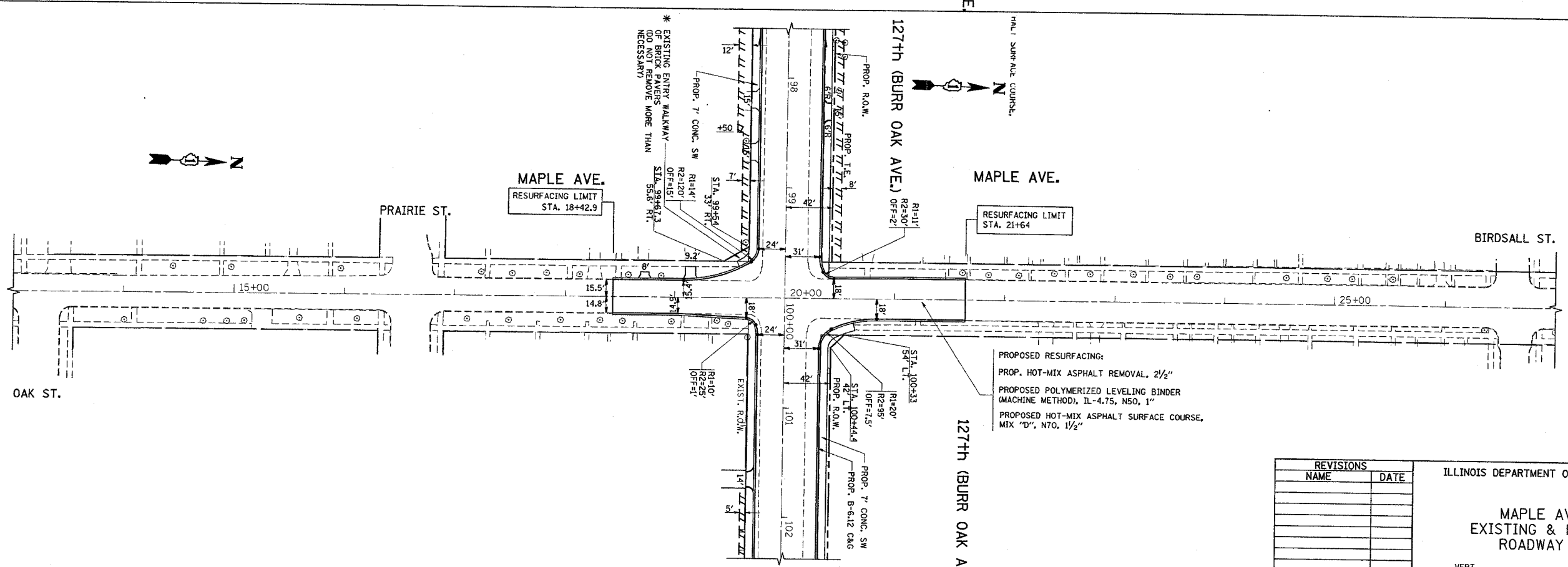
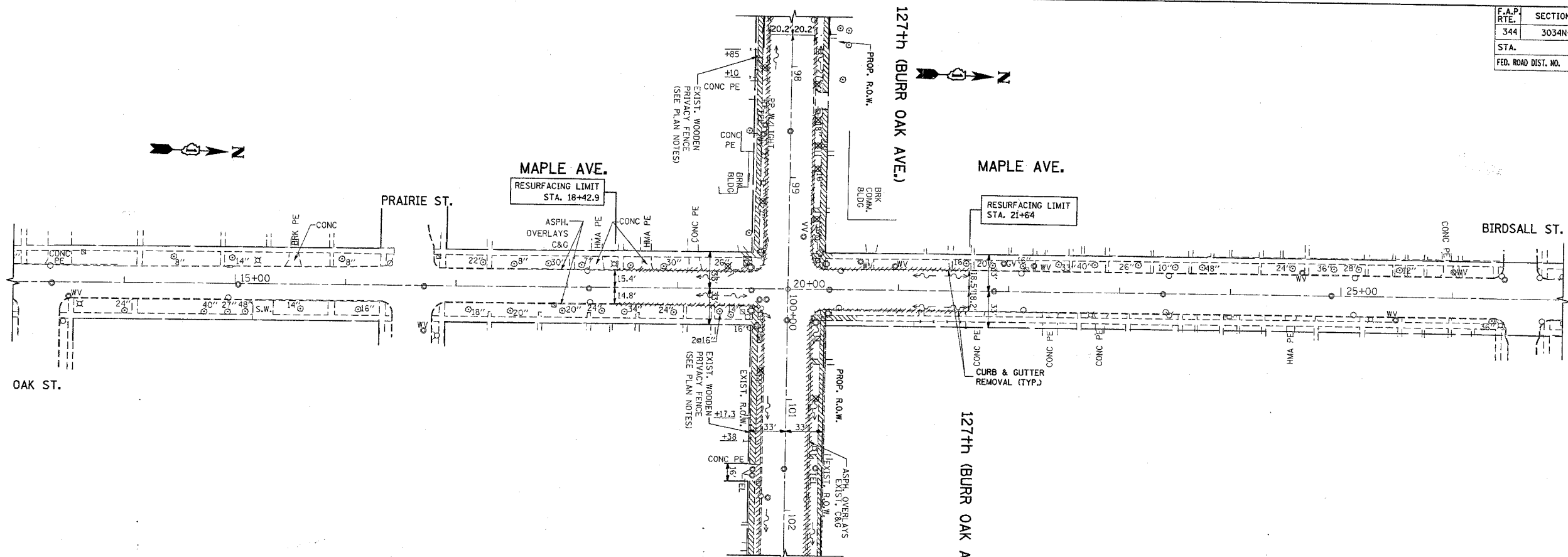
DATE 1/3/2007

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 CHECKED BY

1/3/2007
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*REF-pd04

CONTRACT NO. 62719				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING

PROPOSED

PROPOSED RESURFACING:
 PROP. HOT-MIX ASPHALT REMOVAL, 2 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER
 (MACHINE METHOD), IL-4.75, NS0, 1"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1 1/2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAPLE AVENUE
EXISTING & PROPOSED
ROADWAY PLAN

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

DATE 1/3/2007

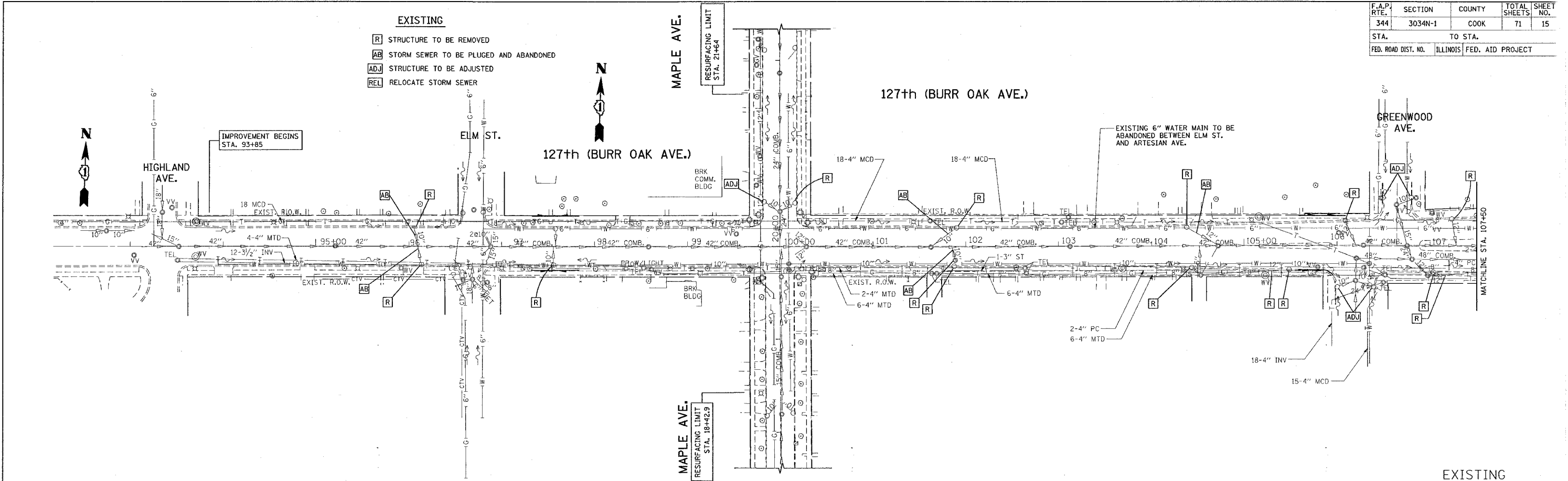
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1/3/2007
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drhoksgn

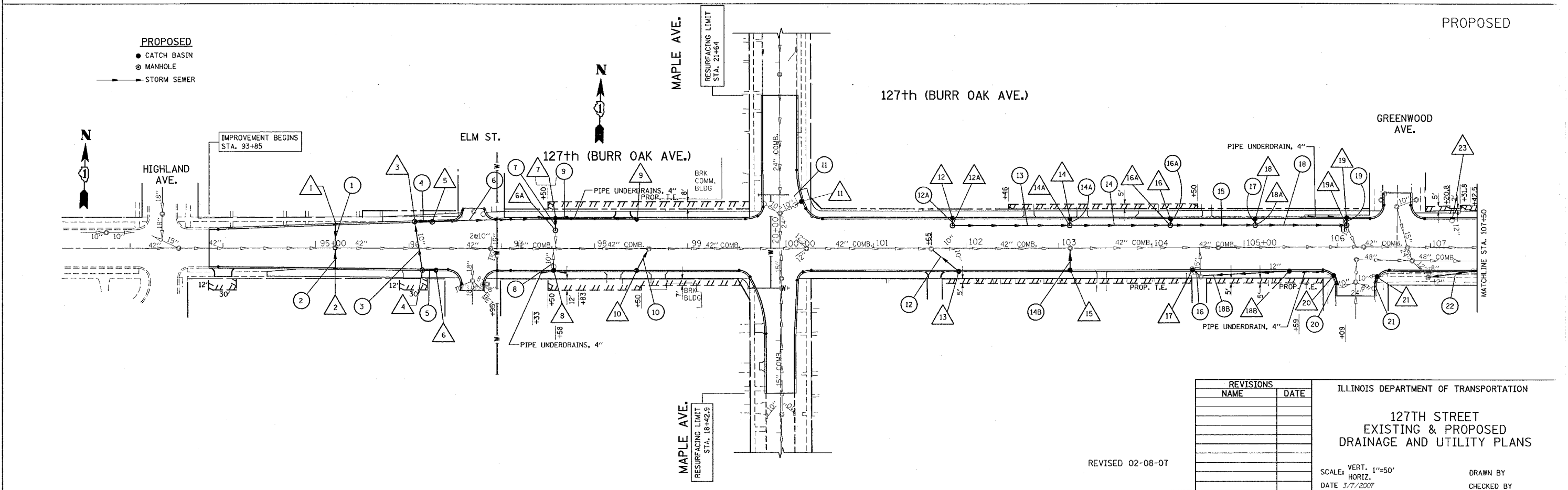
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CONTRACT NO. 62719

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING



PROPOSED

PLOT DATE = 3/7/2007
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USER NAME = druckoski

REVISIONS	
NAME	DATE

REVISED 02-08-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
127TH STREET
EXISTING & PROPOSED
DRAINAGE AND UTILITY PLANS

SCALE: VERT. 1"=50'
HORIZ.
DATE 3/7/2007
DRAWN BY
CHECKED BY

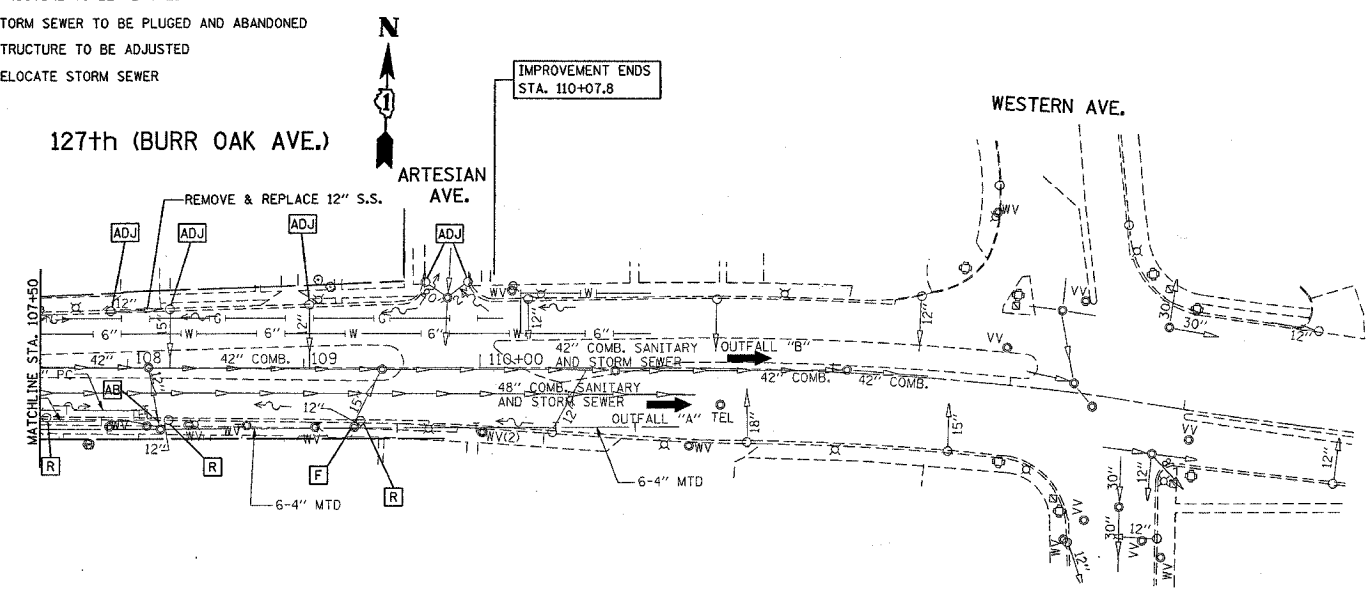
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CONTRACT NO. 62719

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	16
STA. 107+50		TO STA. 110+07.8		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EXISTING

- [R] STRUCTURE TO BE REMOVED
- [AB] STORM SEWER TO BE PLUGGED AND ABANDONED
- [ADJ] STRUCTURE TO BE ADJUSTED
- [REL] RELOCATE STORM SEWER

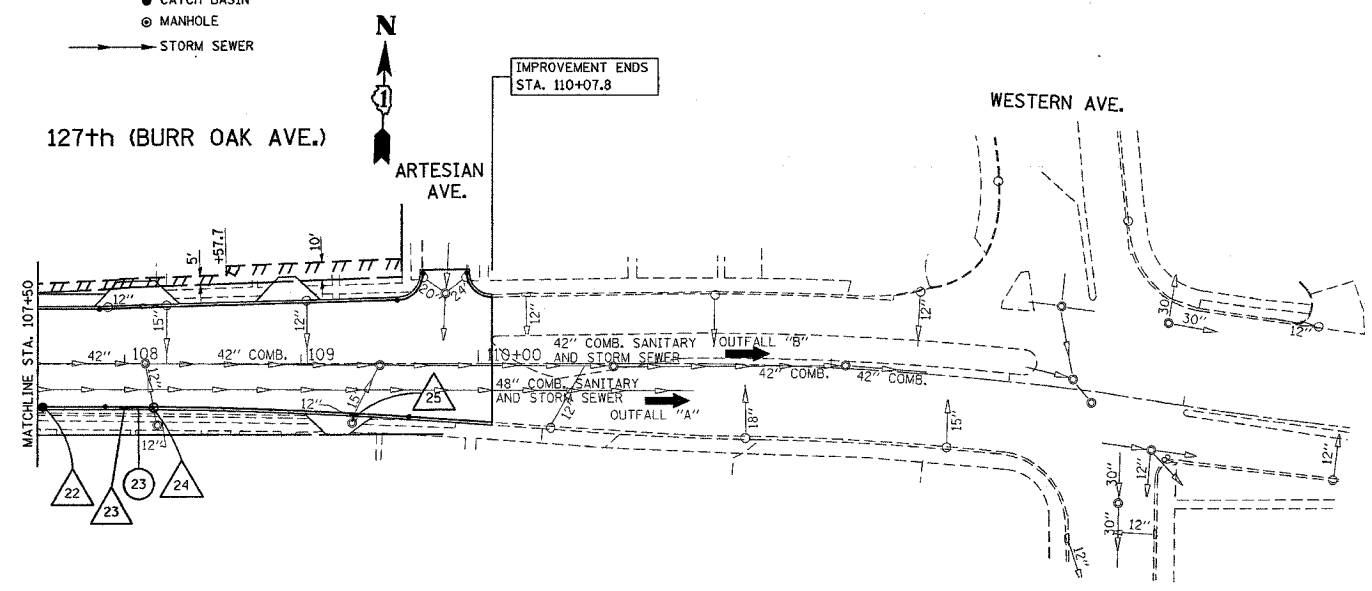


EXISTING

PROPOSED

PROPOSED

- CATCH BASIN
- ⊙ MANHOLE
- STORM SEWER



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**127TH STREET
EXISTING & PROPOSED
DRAINAGE AND UTILITY PLANS**

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

DATE 1/3/2007

DRAWN BY
CHECKED BY

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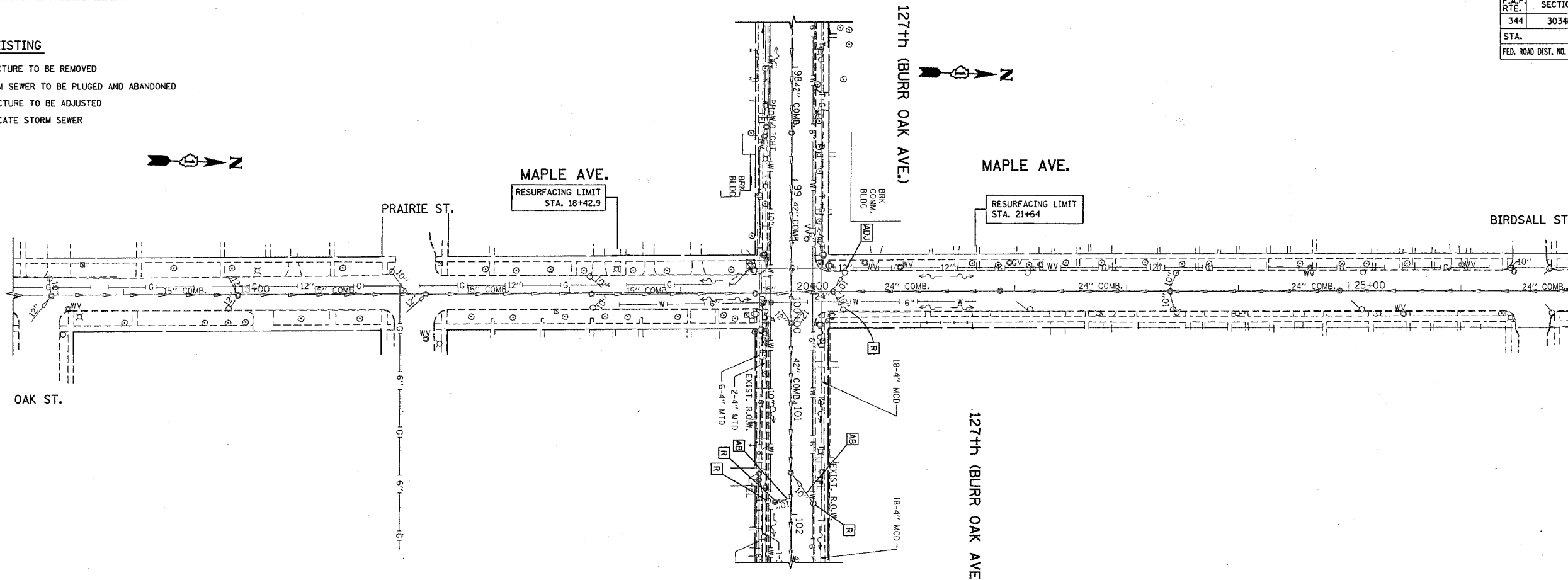
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CONTRACT NO. 62719

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

EXISTING

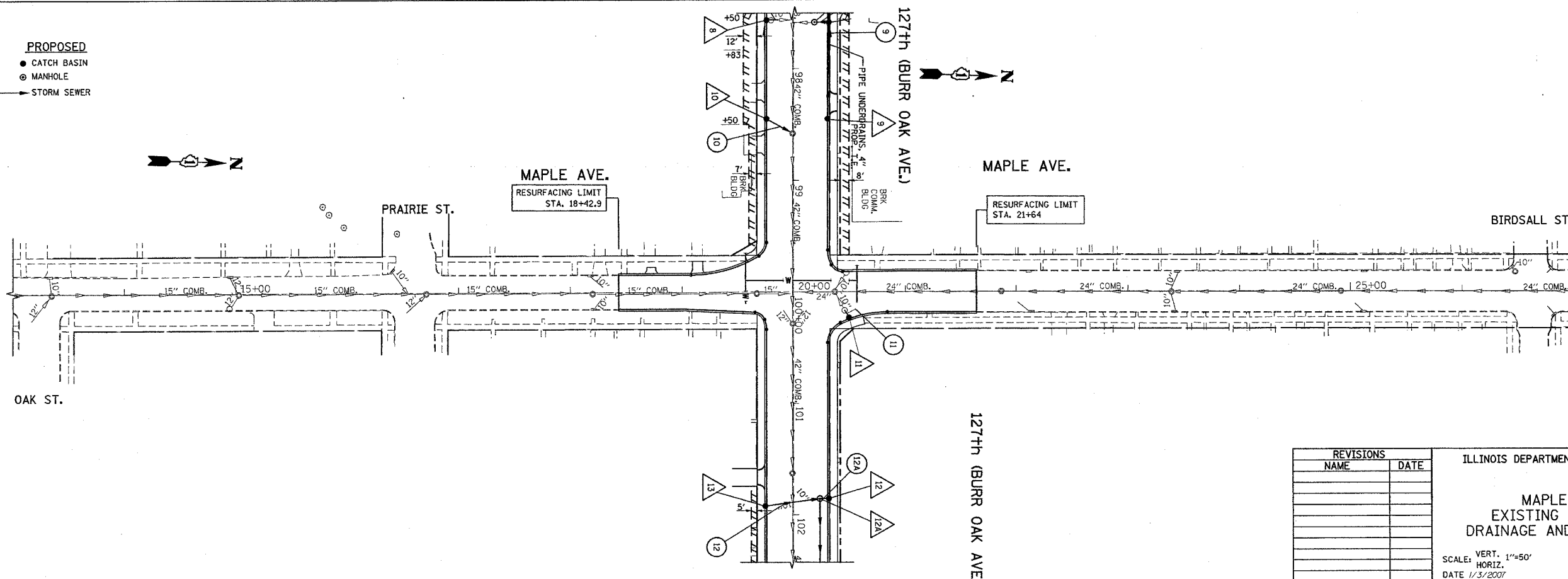
- [R] STRUCTURE TO BE REMOVED
- [AB] STORM SEWER TO BE PLUGGED AND ABANDONED
- [ADJ] STRUCTURE TO BE ADJUSTED
- [REL] RELOCATE STORM SEWER



EXISTING

PROPOSED

- CATCH BASIN
- MANHOLE
- STORM SEWER



PROPOSED

PLOT DATE = 1/3/2007
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PLOT SCALE = 1"=50'
USER NAME = drwksopg

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAPLE AVENUE
EXISTING & PROPOSED
DRAINAGE AND UTILITY PLAN**

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/3/2007

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

127th ST. AT MAPLE AVENUE
LIST OF DRAINAGE STRUCTURES

127th ST. AT MAPLE AVENUE
LIST OF STORM SEWER PIPES

1 INLET TYPE B, TYPE 23, FRAME AND GRATE STA. 95+21, 24' LT. T.G. (TOP OF GRATE) = 636.57 INV. EL. (INVERT) = 632.57

11 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 100+23, 50' LT. T.G. = 635.64 INV. =

18A MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME CLOSED LID STA. 101+85, 24' LT. T.G. = 631.90 INV. = 626.08

1 STORM SEWER, CL-A, TY.-1, 12" STA. 95+21 (LATERAL) 24', 12" DIA. @ 1.5% T.B. = 22 CU. YD.

12 STORM SEWER, CL-A, TY.-2, 12" STA. 101+92 TO STA. 101+86 (LATERAL) 55', 12" DIA. @ 0.5% T.B. = 56 CU. YD.

18 STORM SEWER, CL-A, TY.-2, 18" STA. 105+12 TO STA. 106+10 98', 18" DIA. @ 0.35% T.B. = 83 CU. YD.

2 INLET TYPE B, TYPE 23, FRAME AND GRATE STA. 95+21, 22' RT. T.G. = 636.60 INV. = 632.60

12 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 101+85, 31' LT. T.G. = 634.55 INV. = 627.26

18B CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 105+48, 24' RT. T.G. = 631.64 INV. = 628.83

2 STORM SEWER, CL-A, TY.-1, 12" STA. 95+21 (LATERAL) 28', 12" DIA. @ 1.5% T.B. = 10 CU. YD.

12A STORM SEWER, CL-A, TY.-2, 12" STA. 101+86 TO STA. 103+12 (LATERAL) 5', 12" DIA. @ 0.5% T.B. = 5 CU. YD.

18B STORM SEWER, CL-A, TY.-2, 12" STA. 104+53 TO STA. 105+48 95', 12" DIA. @ 0.35%

3 MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME OPEN LID STA. 96+06, 28' LT. T.G. = 635.77 INV. = 630.32

12A MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME CLOSED LID STA. 101+85, 24' LT. T.G. = 634.67 INV. = 627.22

19 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 106+10, 31' LT. T.G. = 631.32 INV. = (W) (S)

3 STORM SEWER, CL-A, TY.-1, 12" STA. 96+14 TO STA. 96+06 (LATERAL) 52', 12" DIA. @ 1.5% T.B. = 38 CU. YD.

13 STORM SEWER, CL-A, TY.-2, 15" STA. 101+86 TO STA. 103+12 126', 15" DIA. @ 0.35% T.B. = 126 CU. YD.

19 STORM SEWER, CL-A, TY.-1, 12" STA. 106+10 (LATERAL) 7', 12" DIA. @ 0.35% T.B. = 60 CU. YD.

4 MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME OPEN LID STA. 96+14, 24' RT. T.G. = 635.83 INV. = 630.83

13 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 101+92, 25' RT. T.G. = 634.58 INV. = 627.49

19A MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME CLOSED LID WITH RESTRICTOR AS PER RESTRICTOR DETAIL STA. 106+10, 24' LT. T.G. = 631.44 INV. = 625.70

4 STORM SEWER, CL-A, TY.-2, 15" STA. 96+06 TO STA. 96+25 19', 15" DIA. @ 0.5% T.B. = 15 CU. YD.

14 STORM SEWER, CL-A, TY.-2, 15" STA. 103+12 TO STA. 104+20 108', 15" DIA. @ 0.35% T.B. = 92 CU. YD.

20 STORM SEWER, CL-A, TY.-1, 12" STA. 105+96 (30' RT.) (LATERAL) 14', 12" DIA. @ 0.5%

5 MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME OPEN LID STA. 96+25, 28' LT. T.G. = 635.72 INV. = 630.22

14 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 103+12, 31' LT. T.G. = 633.48 INV. = 626.81

20 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 105+96, 30' RT. T.G. = 631.39 INV. = 626.65

5 STORM SEWER, CL-A, TY.-2, 15" STA. 96+14 TO STA. 96+29 15', 15" DIA. @ 0.5% T.B. = 12 CU. YD.

14A STORM SEWER, CL-A, TY.-2, 15" STA. 103+12 (LATERAL) NORTH 5', 12" DIA. @ 0.5% T.B. = 4 CU. YD.

21 STORM SEWER, CL-A, TY.-1, 12" STA. 106+43 (31' RT.) 12', 12" DIA. @ 0.5%

6 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 96+29, 24' RT. T.G. = 635.70 INV. = 630.98

14A MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME CLOSED LID STA. 101+85, 24' LT. T.G. = 633.60 INV. = 626.78

21 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 106+43, 31' RT. T.G. = 631.22 INV. = 626.22

6 STORM SEWER, CL-A, TY.-2, 15" STA. 96+25 TO STA. 97+58 133', 15" DIA. @ 0.5% T.B. = 106 CU. YD.

14B STORM SEWER, CL-A, TY.-2, 12" STA. 103+12 (LATERAL) SOUTH 24', 12" DIA. @ 0.5% T.B. = 20 CU. YD.

22 STORM SEWER, CL-A, TY.-1, 12" STA. 107+53 TO STA. 106+97 66', 12" DIA. @ 0.5%

6A MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME AND GRATE CLOSED LID WITH RESTRICTOR AS PER RESTRICTOR DETAIL "A" STA. 96+29, 24' RT. T.G. = 635.70 INV. = 629.5

15 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 103+12, 24' RT. T.G. = 633.59 INV. = 626.81

22 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 107+53, 24' RT. T.G. = 630.79 INV. = 626.29

7 STORM SEWER, CL-A, TY.-2, 15" STA. 97+58 (LATERAL) (N) 12', 12" DIA. @ 1.5% T.B. = 10 CU. YD.

15 STORM SEWER, CL-A, TY.-2, 18" STA. 104+20 TO STA. 105+12 92', 18" DIA. @ 0.35% T.B. = 78 CU. YD.

23 STORM SEWER, CL-A, TY.-1, 12" STA. 108+00 TO STA. 108+24 24', 12" DIA. @ 0.5% T.B. = 7 CU. YD.

7 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE WITH RESTRICTOR AS PER RESTRICTOR DETAIL STA. 97+58, 31' LT. T.G. = 635.52 INV. = 629.55 (S,E,W)

16 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 104+20, 31' LT. T.G. = 632.53 INV. = 626.44

23 INLET, TYPE B, TYPE 23 FRAME AND GRATE STA. 108+00, 24' RT. T.G. = 631.10 INV. = 625.98

8 STORM SEWER, CL-A, TY.-2, 10" STA. 97+58 (LATERAL) (S) 6', 12" DIA. @ 1.5% T.B. = 5 CU. YD.

16 STORM SEWER, CL-A, TY.-1, 12" STA. 104+45 TO STA. 104+54 10', 12" DIA. @ 0.5%

8 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 97+56, 24' RT. T.G. = 635.48 INV. = 629.05

16A MANHOLE, TYPE A, 4' DIA. TYPE 1, FRAME CLOSED LID STA. 101+85, 24' LT. T.G. = 633.60 INV. = 626.40

24 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 108+24, 24' RT. T.G. = 630.99 INV. = 625.90

9 STORM SEWER, CL-A, TY.-2, 15" STA. 98+45 TO STA. 97+58 (N) 87', 15" DIA. @ 1.5% T.B. = 68 CU. YD.

16A STORM SEWER, CL-A, TY.-2, 12" STA. 104+45 (LATERAL) NORTH 5', 12" DIA. @ 0.5% T.B. = 5 CU. YD.

9 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 98+45, 31' LT. T.G. = 635.68 INV. = 629.78

17 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 104+44, 24' RT. T.G. = 632.43 INV. = 627.29

25 INLET, TYPE B, TYPE 23 FRAME AND GRATE STA. 109+30, 24' RT. T.G. = 631.39 INV. = 626.89

10 STORM SEWER, CL-A, TY.-2, 12" (LATERAL) STA. 98+45 TO STA. 98+58 24', 15" DIA. @ 1.5% T.B. = 19 CU. YD.

17 STORM SEWER, CL-A, TY.-1, 12" STA. 105+12 5', 12" DIA. @ 0.5% T.B. = 4 CU. YD.

10 CATCH BASIN, TYPE A, 4' DIA. TYPE 23, FRAME AND GRATE STA. 98+45, 24' RT. T.G. = 635.79 INV. = 629.50

18 CATCH BASIN, TYPE A, 4' DIA. WITH FRAME AND GRATE, TYPE 23 STA. 105+12, 31' LT. T.G. = 631.78 INV. = 626.11

11 STORM SEWER, CL-A, TY.-2, 12" STA. 100+23 (LATERAL) (N) 8', 12" DIA. @ 0.5% T.B. = 8 CU. YD.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
127TH STREET @ MAPLE AVENUE
DRAINAGE PIPE AND STRUCTURE
TABLE
SCALE: VERT. N/A
DATE 1/3/2007
DRAWN BY
CHECKED BY

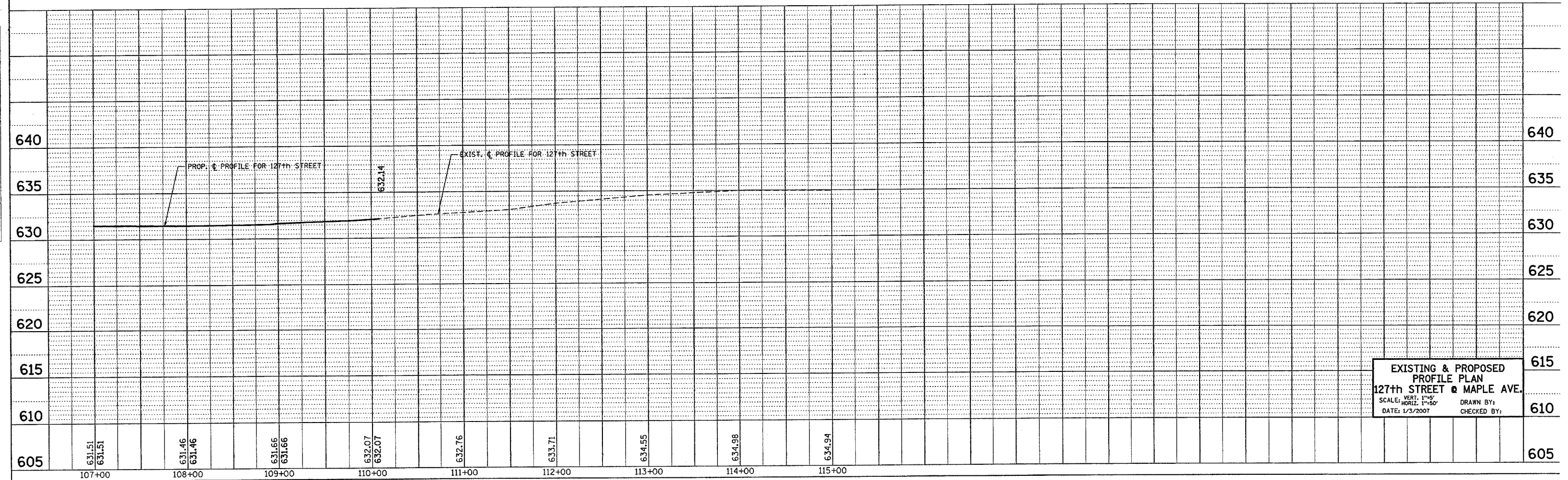
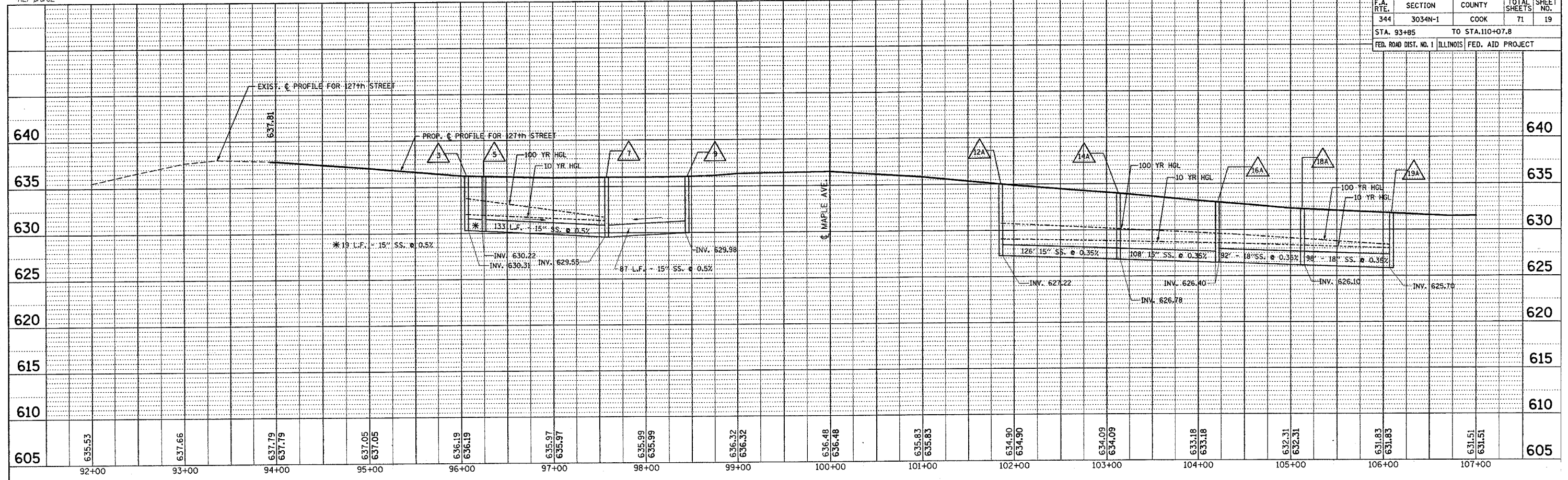
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*REF-prof02

CONTRACT NO.: 62719				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	19
STA. 93+85		TO STA. 110+07.8		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

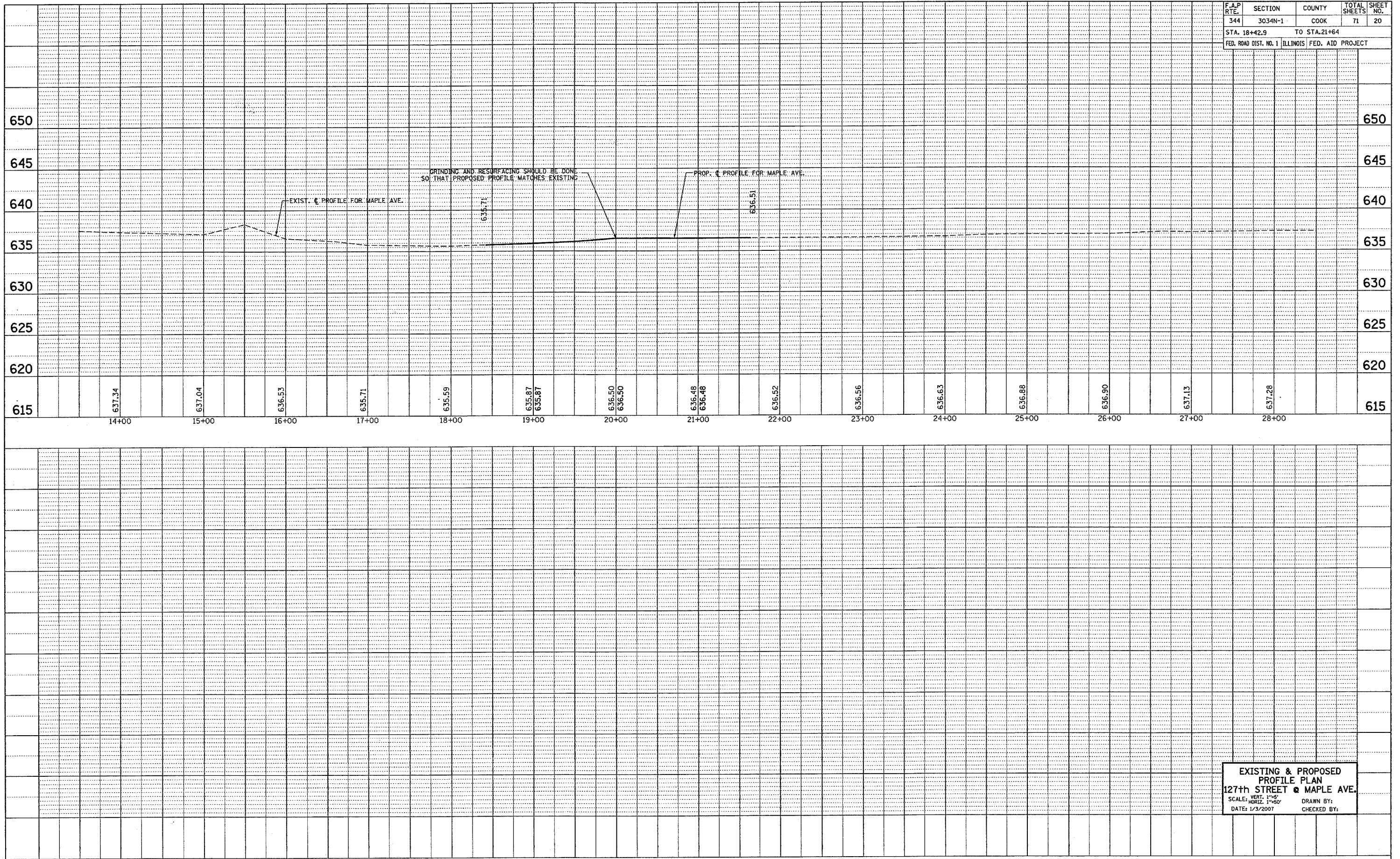


EXISTING & PROPOSED
PROFILE PLAN
127th STREET @ MAPLE AVE.
SCALE: VERT. 1"=5'
HORIZ. 1"=50'
DATE: 1/3/2007
DRAWN BY:
CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	20
STA. 18+42.9		TO STA. 21+64		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLANNED	
	BY	
	BY	
	BY	

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLANNED	
	BY	
	BY	
	BY	

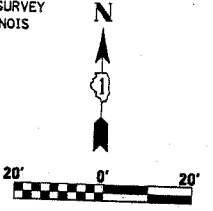


EXISTING & PROPOSED
PROFILE PLAN
127th STREET @ MAPLE AVE.
SCALE: VERT. 1"=5'
HORIZ. 1"=50'
DATE: 1/3/2007
DRAWN BY:
CHECKED BY:

PART OF THE SE 1/4, SEC. 25 AND PART OF THE NE 1/4, SEC. 36, T37N, R13 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

CONTRACT NO. 62719	SHEET NO. 21
F.A.P. RTE. 344	SECTION 3034N-1
COUNTY COOK	TOTAL SHEETS 71

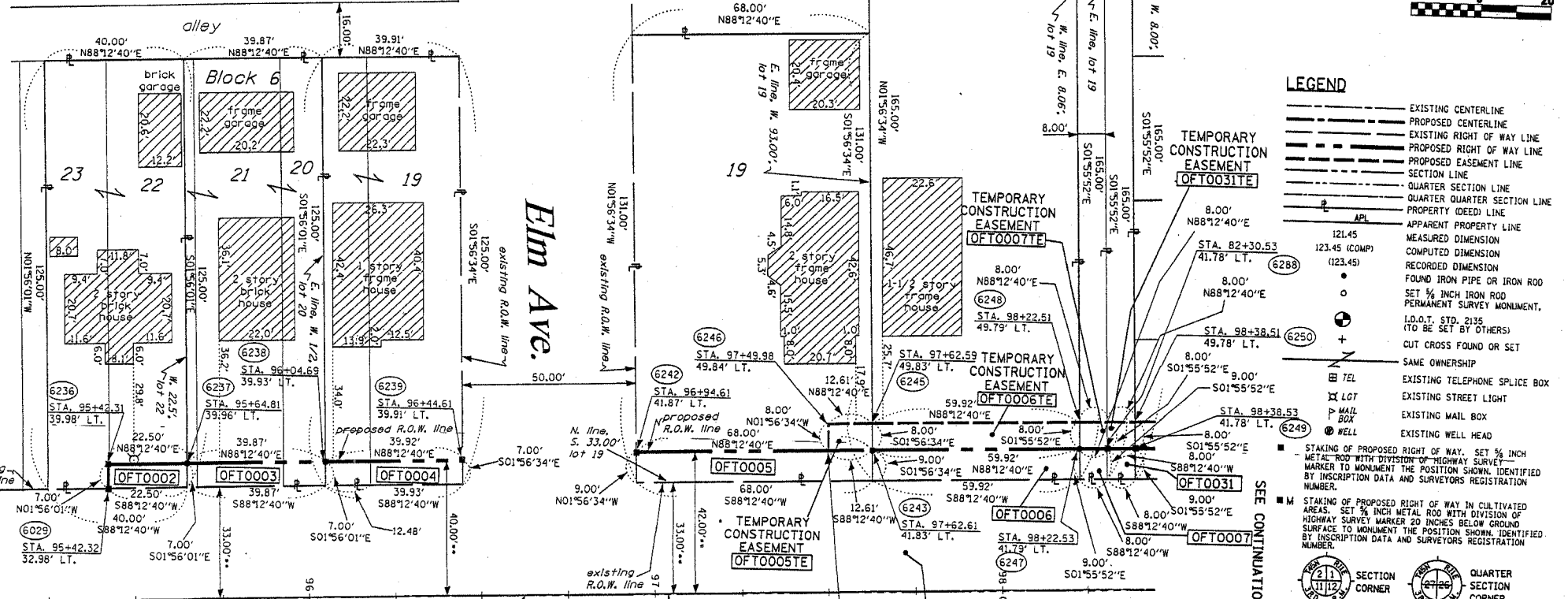
BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
OFT0001	JEM PROPERTIES, L.L.C.	0.800	N/A	N/A	0.800	A-0.007 3136.f. B-0.008 3605.f.	N/A	24-36-201-001	
OFT0002	THOMAS H. & CARLYLE V. RUMP	0.115	0.004 158s.f.	N/A	0.111	N/A	N/A	24-25-426-030	
OFT0003	LOIS C. MACCAMBRIDGE	0.114	0.006 279s.f.	N/A	0.108	N/A	N/A	24-25-426-031	
OFT0004	CHRISTOPHER J. DALY	0.115	0.006 279s.f.	N/A	0.109	N/A	N/A	24-25-426-032	
OFT0005	MICHAEL J. MOLLER	0.205	0.014	N/A	0.191	0.002 101s.f.	N/A	24-25-427-041	
OFT0006	RITA MORENO GALLEGOS	0.227	0.012	N/A	0.215	0.011	N/A	24-25-427-040	
OFT0007	HENRY H. MASSEY	0.030	0.002 72s.f.	N/A	0.028	0.002 64s.f.	N/A	24-25-427-015	
OFT0031	MARTHA JONES	0.030	0.002 72s.f.	N/A	0.028	0.002 64s.f.	N/A	24-25-427-027	
OFT0008	SALVATORE & CARMELA IULIANO	0.154	N/A	N/A	0.154	0.015	N/A	24-36-202-001	

Harmon & Young's Subdivision
rec'd March 21, 1893 as doc. no. 1834930

Rexford & Massey's Addition to Blue Island
rec'd May 30, 1872 as doc. no. 34189

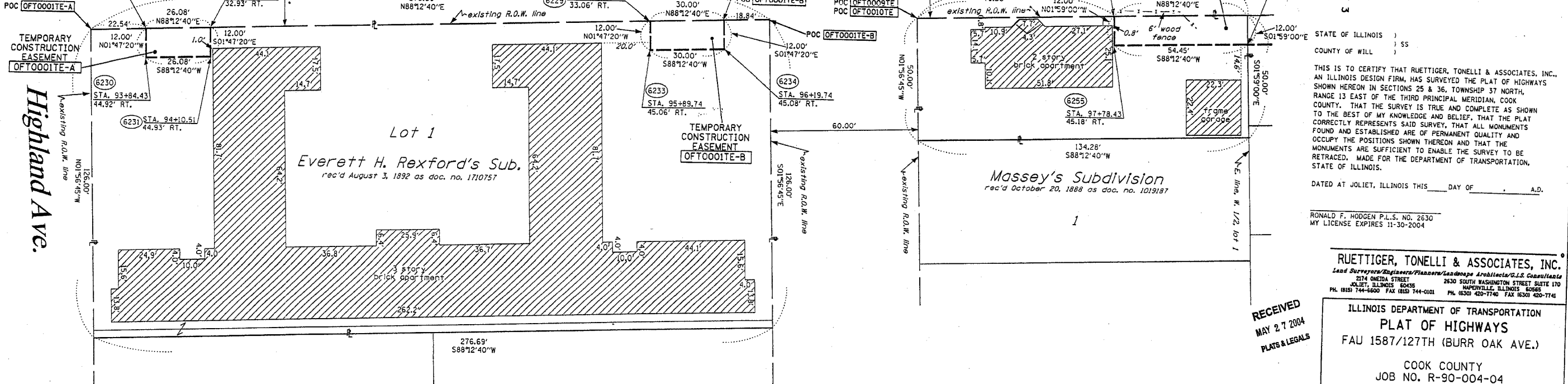


LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY DEED LINE
- APL APPARENT PROPERTY LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- EXISTING TELEPHONE SPLICE BOX
- EXISTING STREET LIGHT
- EXISTING MAIL BOX
- EXISTING WELL HEAD

SEE CONTINUATION ON SHEET 3

127th St. / (Burr Oak Ave.)
FAU 1587



STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 25 & 36, TOWNSHIP 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ___ DAY OF ___ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2004

RUETTIGER, TONELLI & ASSOCIATES, INC.
Lead Surveyors/Engineers/Planners/Inspectors/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60438
PH. (815) 744-6600 FAX (815) 744-0101
2630 SOUTH WASHINGTON STREET SUITE 170
HAWPERVILLE, ILLINOIS 60142
PH. (815) 420-7740 FAX (815) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAU 1587/127TH (BURR OAK AVE.)
COOK COUNTY
JOB NO. R-90-004-04
STATION 93+84 TO STATION 98+40

SHEET 2 OF --
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHUMBERG, ILLINOIS 60196

RECEIVED
MAY 27 2004
PLATS & LEGALS

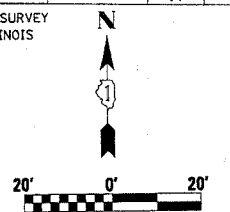
** DENOTES DISTANCE TO THE SECTION LINE

SEE SHEETS ... THROUGH ... FOR MONUMENTATION REFERENCE TIES AND COORDINATES

PART OF THE SE 1/4, SEC. 25 AND PART OF THE NE 1/4, SEC. 36, T37N, R13 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

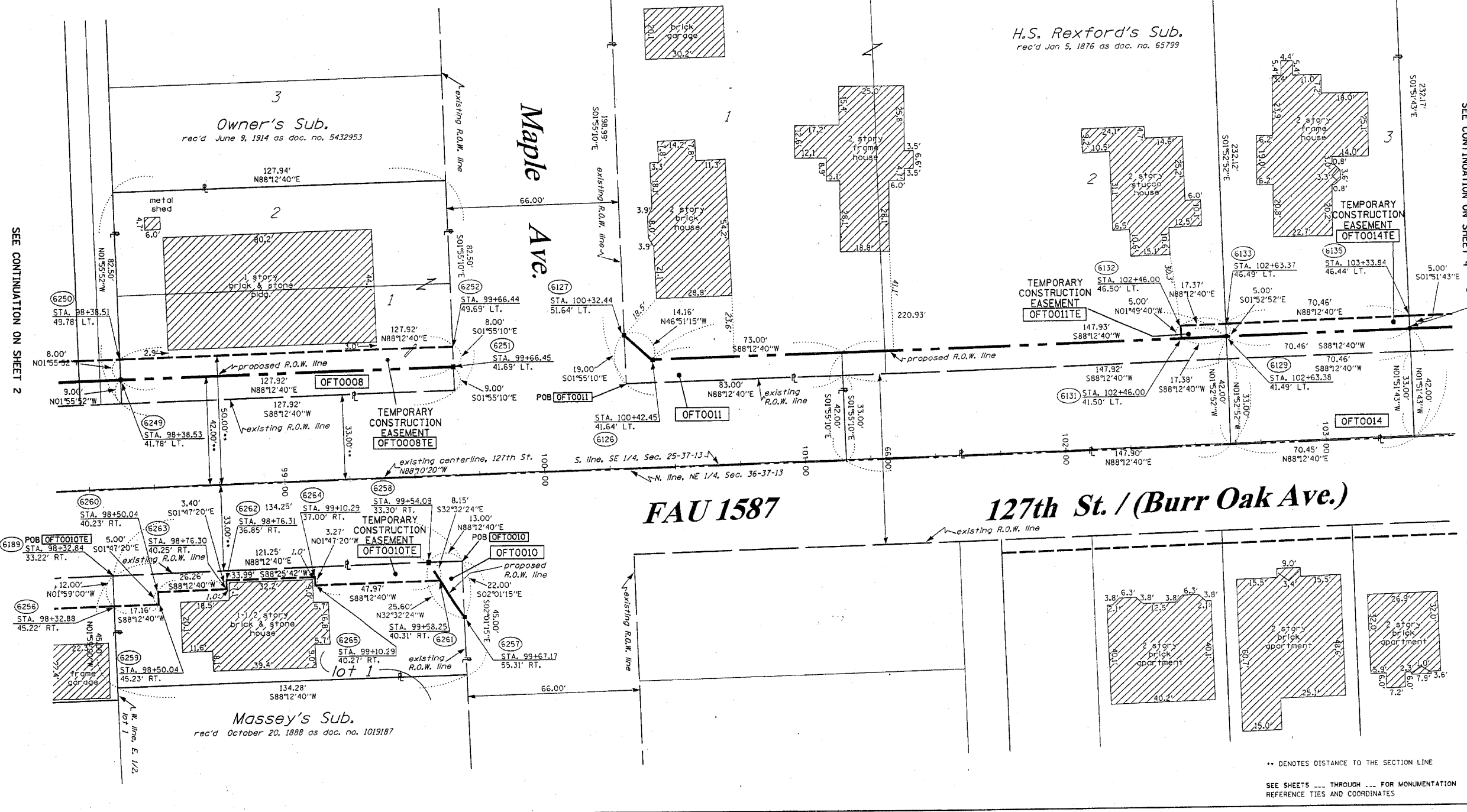
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
OFT0008	THE CHURCH OF GOD OF PROPHECY	0.242	0.026	N/A	0.216	0.023	N/A	N/A	24-25-427-038	
OFT0010	RENALDA RITCHELL	0.139	0.003	N/A	0.136	0.019	N/A	N/A	24-25-202-006	
OFT0011	NATIONAL BANK OF BLUE ISLAND AS TRUSTEE UNDER TR. NO. 66010	1.168	0.161	0.112	1.056	0.002	N/A	N/A	24-25-428-011 24-25-428-012 24-25-428-013 24-25-428-041	
OFT0014	MARY PATRICIA HOFF	0.376	0.068	0.053	0.308	0.008	N/A	N/A	24-25-428-054	

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



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY IDEED LINE
- APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- + CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LG7 EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- SECTION CORNER
- QUARTER SECTION CORNER



SEE CONTINUATION ON SHEET 4

SEE CONTINUATION ON SHEET 2

RECEIVED
MAY 27 2004
PLATS & LEGALS

STATE OF ILLINOIS)
 COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 25 & 36, TOWNSHIP 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ___ DAY OF ___, A.D.

RONALD F. HODGEN P.L.S. NO. 2630
 MY LICENSE EXPIRES 11-30-2004

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 2174 OHNEA STREET JOLIET, ILLINOIS 60435
 2630 SOUTH WASHINGTON STREET SUITE 170 WAPERVILLE, ILLINOIS 60449
 PH. (815) 744-6600 FAX (815) 744-0101 PH. (630) 420-7740 FAX (630) 420-7741

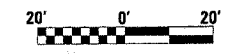
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAU 1587/127TH (BURR OAK AVE.)

COOK COUNTY
 JOB NO. R-90-004-04
 STATION 98+25 TO STATION 103+45

SHEET 3 OF --
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PART OF THE SE 1/4, SEC. 25 AND PART OF THE NE 1/4, SEC. 36, T37N, R13 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

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



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
OFT0020	THOMAS J. & BRIGITTE A. SMITH	0.254	N/A	N/A	0.254	0.010	N/A	N/A	24-36-204-008 24-36-204-007	
OFT0021	THOMAS C. MINNICK & MARIBETH ARVESEN-MINNICK	0.150	N/A	N/A	0.150	0.006	N/A	N/A	24-36-204-009	
OFT0022	JOHN & TONI PIDRAK	0.150	N/A	N/A	0.150	0.006	N/A	N/A	24-36-204-010	
OFT0023	LEEBERT DAWKINS & LILLYBELL PERKINS	0.266	N/A	N/A	0.266	0.014	N/A	N/A	24-36-204-019	
OFT0029	MICHAEL J. & LOUISE A. KRYLOWICZ	0.150	N/A	N/A	0.150	0.006	N/A	N/A	24-36-204-011	
OFT0030	DARRYL & CRYSTAL WIGGINS	0.104	N/A	N/A	0.104	0.004	N/A	N/A	24-36-204-024	

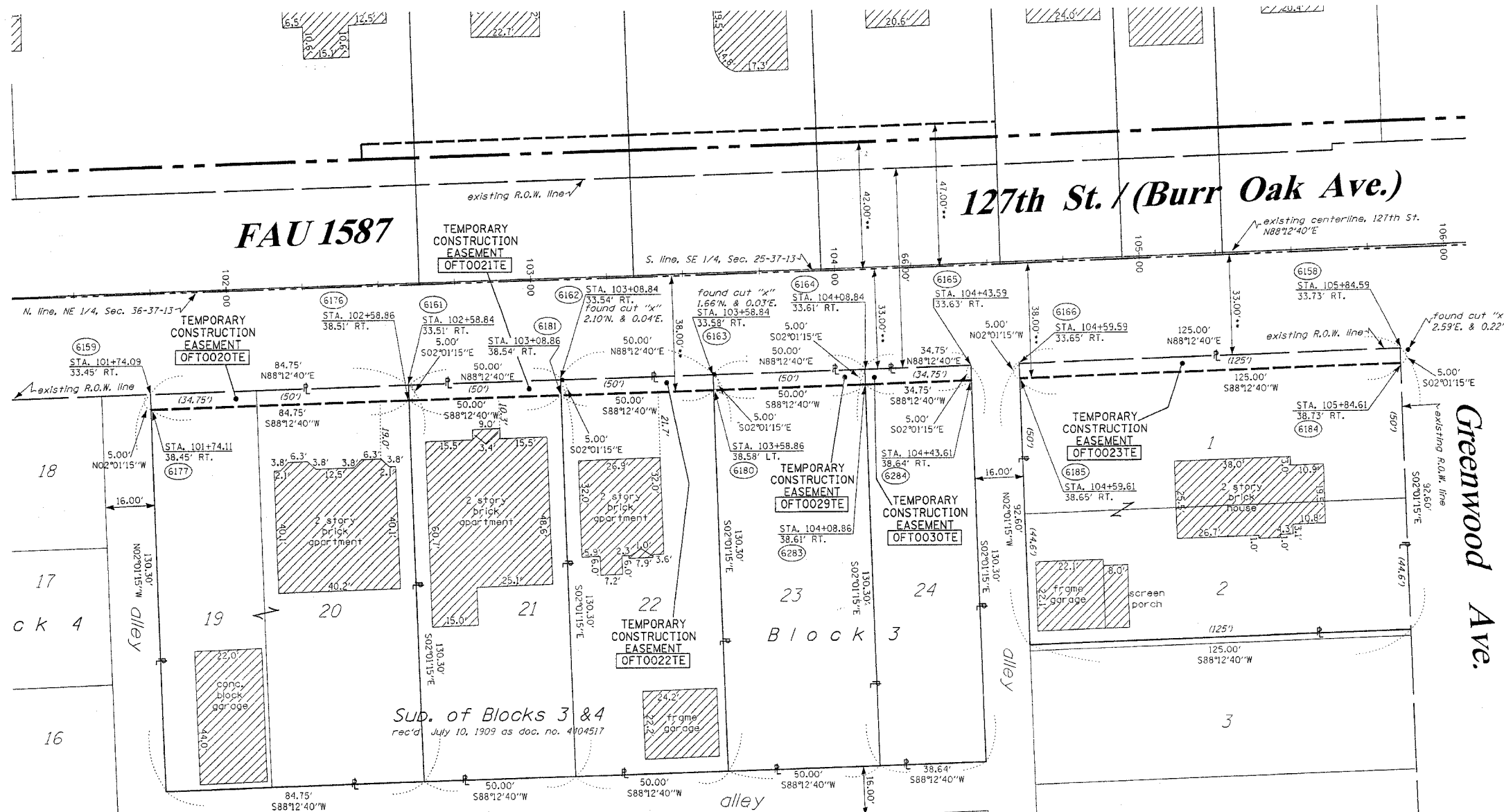
SEE CONTINUATION ON SHEET 3

LEGEND

- EXISTING CENTERLINE
- - - PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- - - PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- - - PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/4" IRON ROD
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY, SET 3/4" INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS' REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, SET 3/4" INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS' REGISTRATION NUMBER.

SEE CONTINUATION ON SHEET 5

SEE CONTINUATION ON SHEET 3



RECEIVED
MAY 27 2004
PLATS & LEGALS

STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 25 & 36, TOWNSHIP 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ___ DAY OF ___ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2004

RUETTIGER, TONELLI & ASSOCIATES, INC.
Lead Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET JOLIET, ILLINOIS 60438
PH. (815) 744-6600 FAX (815) 744-0101

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAU 1587/127TH (BURR OAK AVE.)

COOK COUNTY
JOB NO. R-90-004-04
STATION 101+50 TO STATION 106+00

SHEET 4 OF --

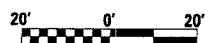
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
301 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196

** DENOTES DISTANCE TO THE SECTION LINE

SEE SHEETS ... THROUGH ... FOR MONUMENTATION REFERENCE TIES AND COORDINATES

PART OF THE SE 1/4, SEC. 25 AND PART OF THE NE 1/4, SEC. 36, T37N, R13 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

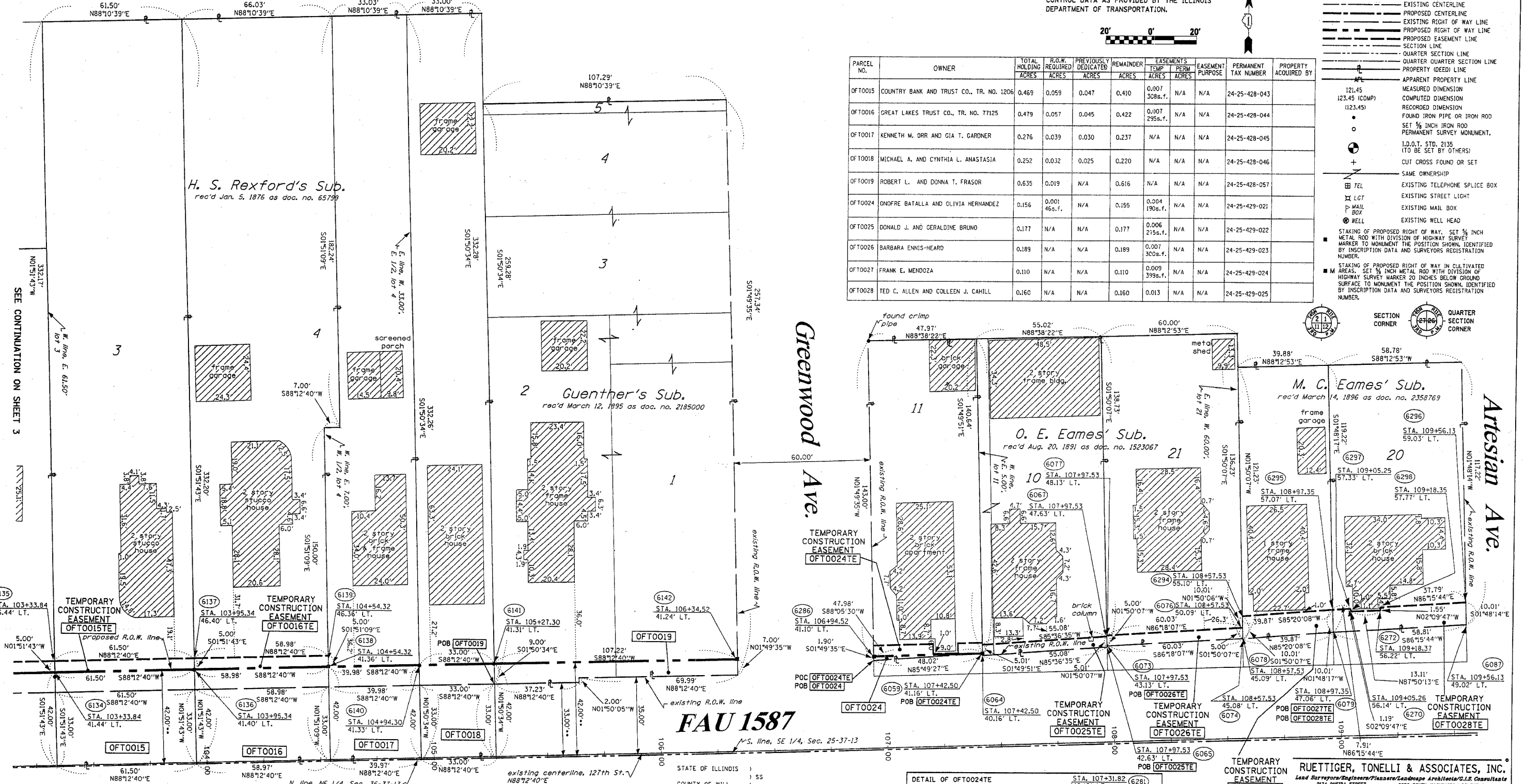
BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
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PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
OFT0015	COUNTRY BANK AND TRUST CO., TR. NO. 1206	0.469	0.059	0.047	0.410	0.007	0.007	N/A	24-25-428-043	
OFT0016	GREAT LAKES TRUST CO., TR. NO. 77125	0.479	0.057	0.045	0.422	0.007	0.007	N/A	24-25-428-044	
OFT0017	KENNETH M. ORR AND GIA T. GARDNER	0.276	0.039	0.030	0.237	N/A	N/A	N/A	24-25-428-045	
OFT0018	MICHAEL A. AND CYNTHIA L. ANASTASIA	0.252	0.032	0.025	0.220	N/A	N/A	N/A	24-25-428-046	
OFT0019	ROBERT L. AND DONNA T. FRASOR	0.635	0.019	N/A	0.616	N/A	N/A	N/A	24-25-428-057	
OFT0024	ONDRE BATALLA AND OLIVIA HERNANDEZ	0.156	0.001	N/A	0.155	0.004	0.004	N/A	24-25-429-021	
OFT0025	DONALD J. AND GERALDINE BRUNO	0.177	N/A	N/A	0.177	0.006	0.006	N/A	24-25-429-022	
OFT0026	BARBARA ENNIS-HEARD	0.189	N/A	N/A	0.189	0.007	0.007	N/A	24-25-429-023	
OFT0027	FRANK E. MENDOZA	0.110	N/A	N/A	0.110	0.009	0.009	N/A	24-25-429-024	
OFT0028	TED C. ALLEN AND COLLEEN J. CAHILL	0.160	N/A	N/A	0.160	0.013	0.013	N/A	24-25-429-025	



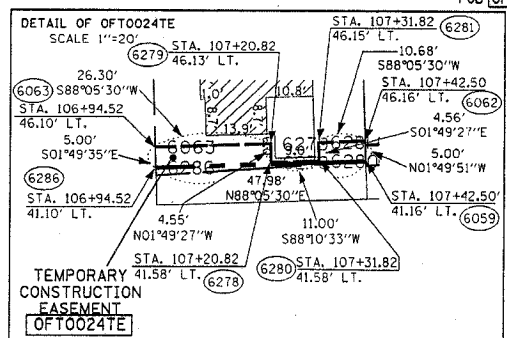
FAU 1587

127th St. / (Burr Oak Ave.)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 25 & 36, TOWNSHIP 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ___ DAY OF ___ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
 MY LICENSE EXPIRES 11-30-2004



RECEIVED
 MAY 27 2004
 PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Lead Surveyors/Engineers/Planners/Landscape Architects/C.I.S. Consultants
 214 WENDE STREET
 JOLIET, ILLINOIS 60435
 PH. (815) 744-6600 FAX (815) 744-0101 PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAU 1587/127TH (BURR OAK AVE.)

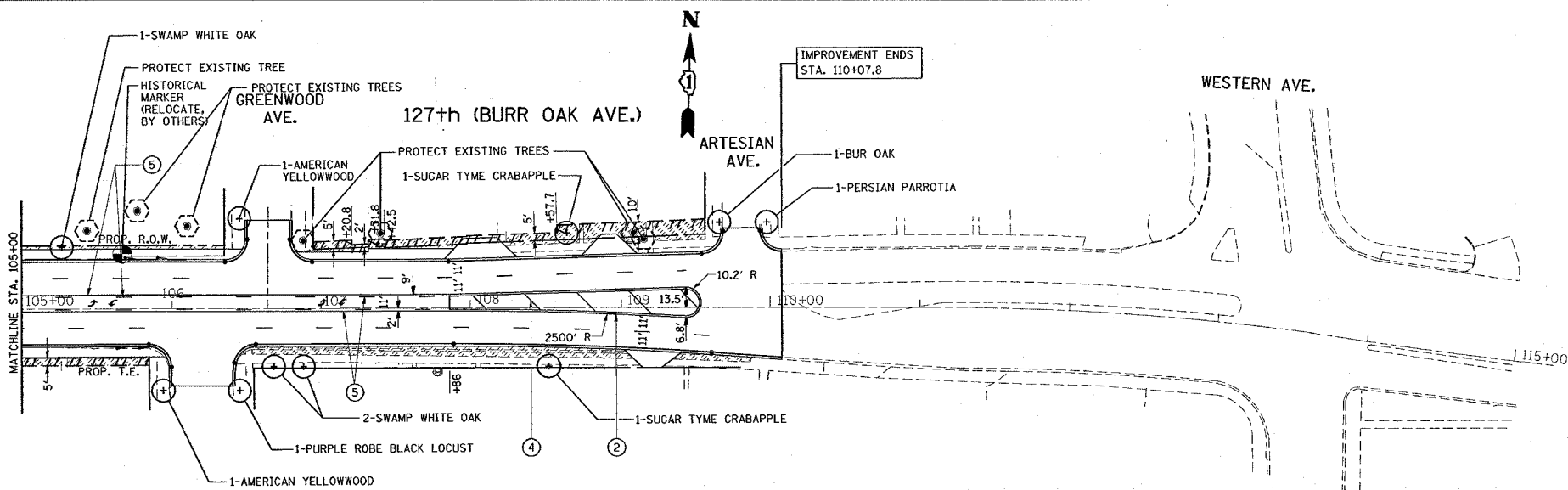
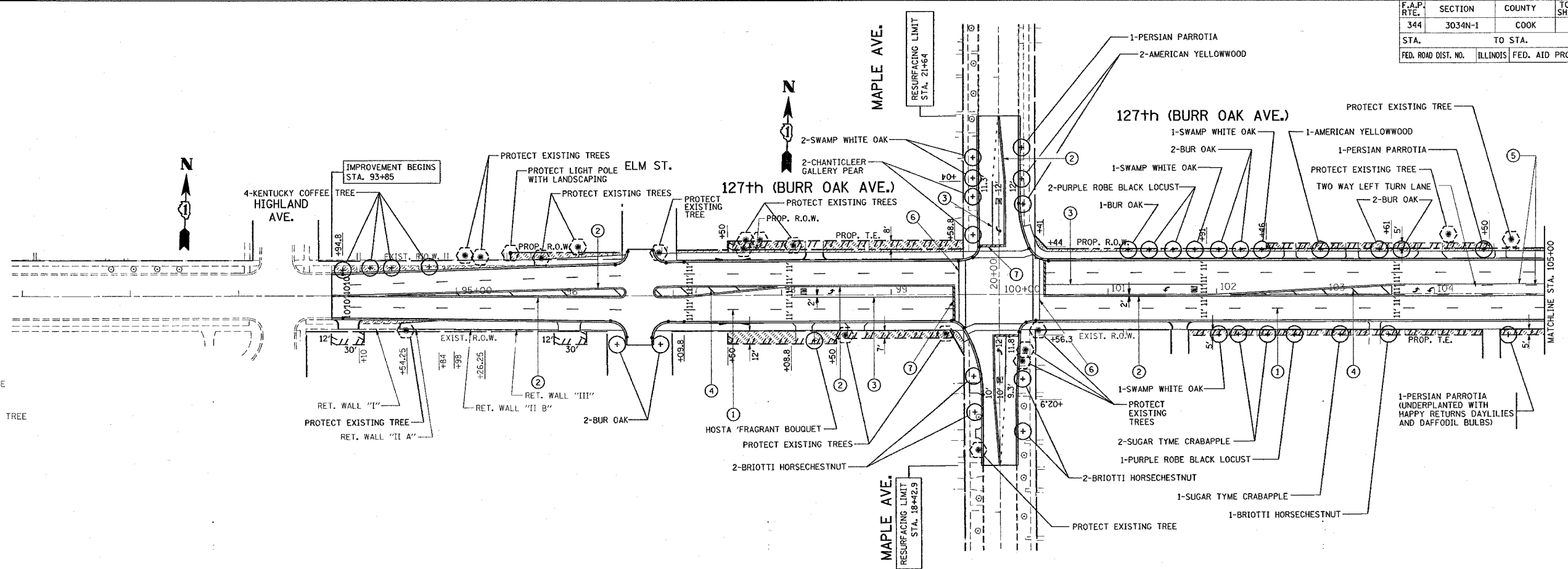
COOK COUNTY
 JOB NO. R-90-004-04
 STATION 101+50 TO STATION 106+00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 Schaumburg, Illinois 60196

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LEGEND

- PR SHADE TREE
- PR EVERGREEN TREE
- TREE TRUNK PROTECTION



LEGEND

- ① PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE 4" SKIP DASH WHITE (10' DASH, 30' SKIP), (TYP.)
- ② PROPOSED THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW SOLID LINE AT 11" C-C, (TYP.)
- ③ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE 6" SOLID WHITE (TYP.)
- ④ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE 12" SOLID YELLOW DIAGONALS.
- ⑤ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE 4" YELLOW TWO WAY LEFT TURN MARKING.
- ⑥ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE 6" WHITE AT 6' APART (CROSS WALK).
- ⑦ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE 24" SOLID WHITE (STOP BAR).

* ALL PAVEMENT MARKING AS PER DISTRICT ONE TYPICAL PAVEMENT MARKINGS.

SCHEDULE OF LANDSCAPE ITEMS 127TH STREET (BUR OAK AVENUE) @ MAPLE AVENUE

ITEM	COMMON NAME	SIZE	UNIT	TOTAL
TREES				
AESCULUS X CARNEA 'BRIOTI'	AESCULUS X CARNEA 'BRIOTI'	2" CALIPER	EACH	5
CLADRASTUS KENTUCKEA	AMERICAN YELLOWWOOD	2" CALIPER	EACH	5
GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	2" CALIPER	EACH	4
MALUS SUTYZAN	SUGAR TYME CRABAPPLE	2" CALIPER	EACH	5
PARROTTIA PERSICA	PERSIAN PARROTTIA	2 1/2" CALIPER	EACH	4
PYRUS CALLERYANA CHANTICLEER	CHANTICLEER CALLERY PEAR	2" CALIPER	EACH	2
QUERCUS BICOLOR	SWAMP WHITE OAK	2" CALIPER	EACH	8
QUERCUS MACROCARPA	BUR OAK	2" CALIPER	EACH	8
ROBINIA PSEUDOACACIA PURPLE ROBE	PURPLE ROBE BLACK LOCUST	2" CALIPER	EACH	4

ITEM	COMMON NAME	SIZE	UNIT	TOTAL
PERENNIAL PLANTS, GALLON POTS				
HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL	UNIT	0.9
HOSTA 'FRAGRANT BOUQUET'	FRAGRANT BOUQUET HOSTA	1 GAL	UNIT	0.1
PERENNIAL PLANTS, NARCISSUS				
NARCISSUS 'BIRMA'	BIRMA DAFFODIL	TOP SIZE	UNIT	0.35
NARCISSUS 'BILLY GRAHAM'	BILLY GRAHAM DAFFODIL	TOP SIZE	UNIT	0.35
NARCISSUS 'CHEERFULNESS'	CHEERFULNESS DAFFODIL	TOP SIZE	UNIT	0.3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 127TH STREET AT MAPLE AVENUE
 PROPOSED PAVEMENT MARKING
 AND LANDSCAPING PLAN

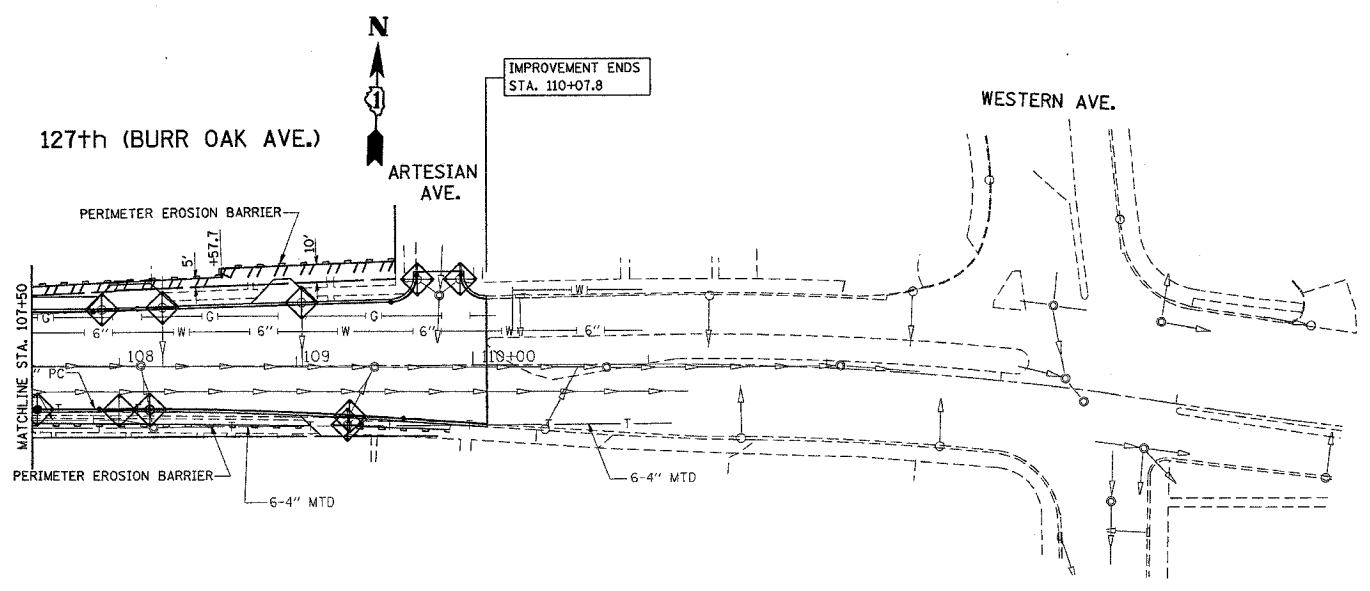
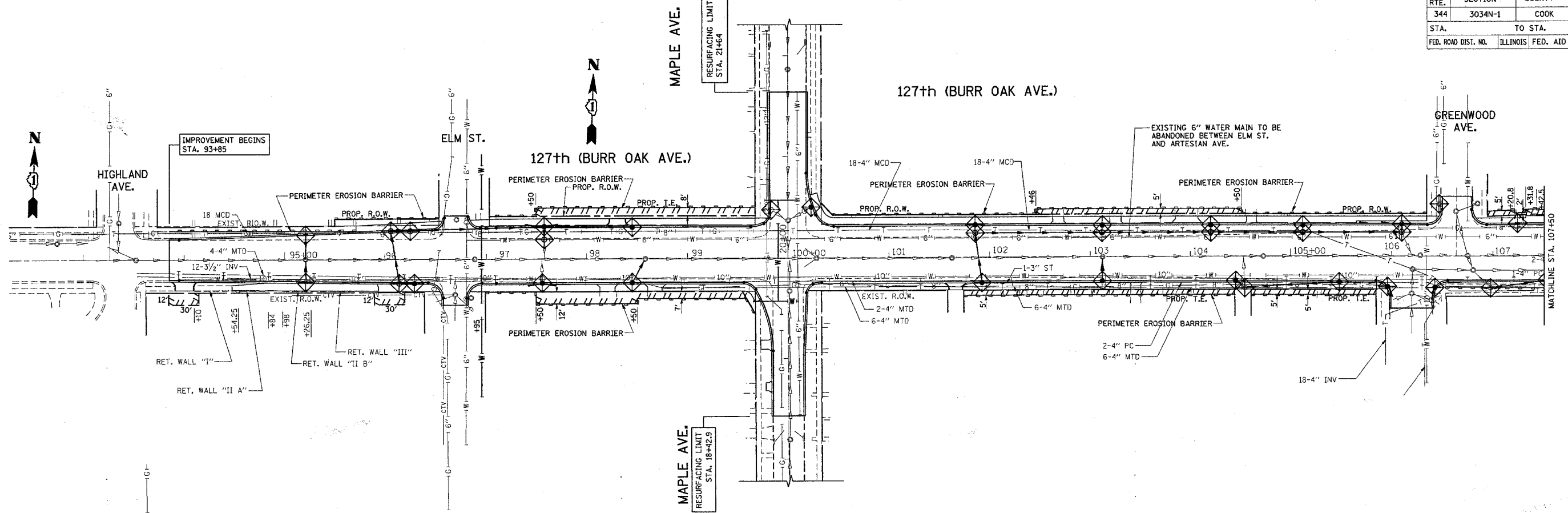
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 DATE: 4/13/2007

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

*REF-draft05
*REF-draft06

CONTRACT NO. 62719

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	26
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL PLAN LEGEND

-  INLET PROTECTION
-  PERIMETER EROSION BARRIER
-  SODDING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**127TH STREET
PROPOSED EROSION CONTROL
AND SEDIMENT CONTROL PLAN**

SCALE: VERT. 1"=50'
HORIZ. DATE 1/3/2007

DRAWN BY
CHECKED BY

PLOT DATE = 1/3/2007
 FILE NAME = c:\p\proj\127th\127th_erosion.dgn
 PLOT SCALE = 1/32000 / 1/4" = 100'-0"
 USER NAME = driscoll

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		
		FED. AID PROJECTS		

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". 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.

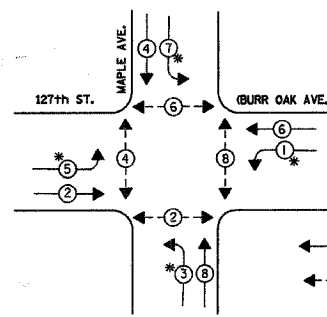
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- | | | |
|---|------|--|
| 1 | EACH | CONTROLLER AND CABINET COMPLETE |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED, 12" RED |
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, 1-FACE, MAST ARM MOUNTED |
| 4 | EACH | EACH SIGNAL, 2-FACE, 3-SECTION BRACKET MOUNTED |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 8 | EACH | PEDESTRIAN PUSH-BUTTON |
| 6 | EACH | SIGNAL POST |
| 2 | EACH | ALUMINUM MAST ARM ASSEMBLY AND POLE |
| 1 | EACH | SERVICE INSTALLATION |

EXISTING EQUIPMENT TO BE REMOVED LEGEND

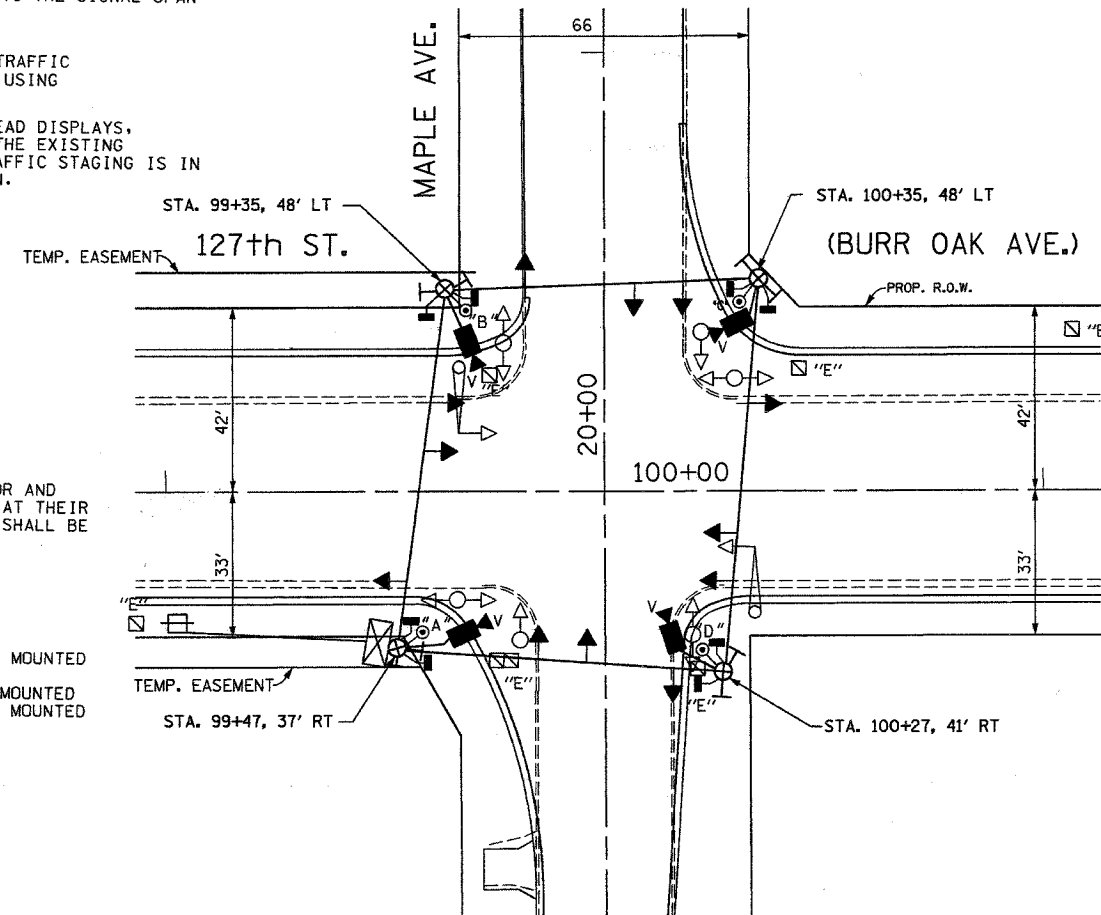
- ◀ EXISTING SIGNAL TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- ⊠ "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- ⊞ "E" EXISTING HANDHOLE TO BE REMOVED
- ⊞ "E" EXISTING DOUBLE HANDHOLE TO BE REMOVED
- ⊞ EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- ⊞ CONFIRMATION BEACON TO BE REMOVED
- ⊞ "E" EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- ⊞ "E" EXISTING WOOD POLE TO BE REMOVED

CONTROLLER SEQUENCE

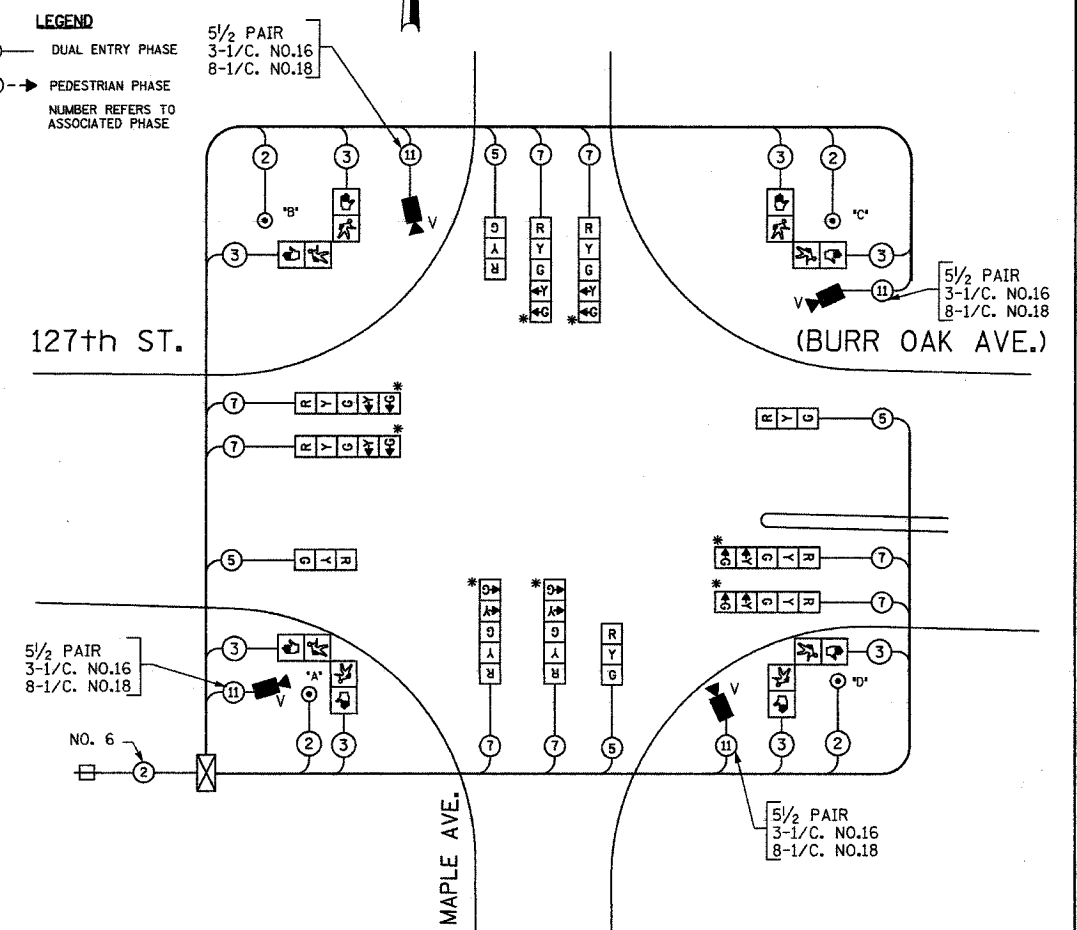


PHASE DESIGNATION DIAGRAM

- LEGEND**
- ◀ DUAL ENTRY PHASE
 - ◀ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE



SCALE : 1"=20'



TEMPORARY CABLE PLAN
NOT TO SCALE

* THE GREEN AND YELLOW LEFT TURN ARROW SECTIONS SHALL BE BAGGED AND NOT CONNECTED INTO THE CONTROLLER CABINET UNTIL THEY ARE NEEDED WHEN THE FINAL PROPOSED ROADWAY GEOMETRICS ARE IN PLACE AND OPEN TO TRAFFIC. THE LEFT TURN PHASES SHALL BE DISABLED UNTIL NEEDED.

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) 60 FOOT (18.3m) MINIMUM
- ⊠ TEMPORARY CONTROLLER CABINET
- ⊞ TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊞ TEMPORARY SERVICE INSTALLATION
- ⊞ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊞ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- ▶ VIDEO CAMERA ASSEMBLY

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.
- VEHICLE DETECTOR, INDUCTION LOOP
- ⊞ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊞ 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ▶ VIDEO CAMERA ASSEMBLY

PUSH-BUTTON NOTES:

- PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
- PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
- PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
- PUSH-BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
127th ST. (BURR OAK AVE.) AT MAPLE AVE.

REVISIONS	
NAME	DATE

SCALE: AS NOTED
DATE: 7/17/06

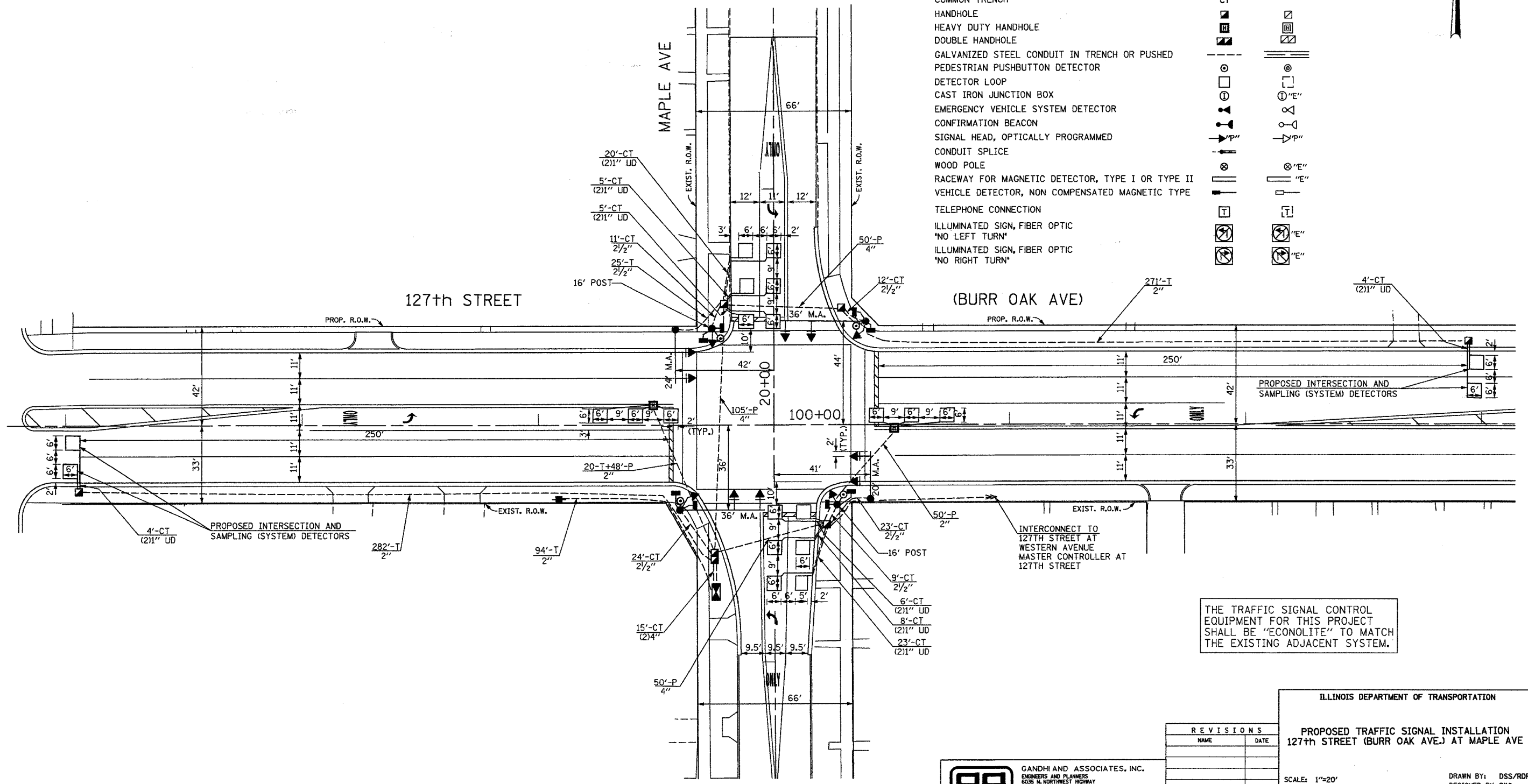
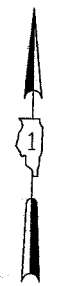
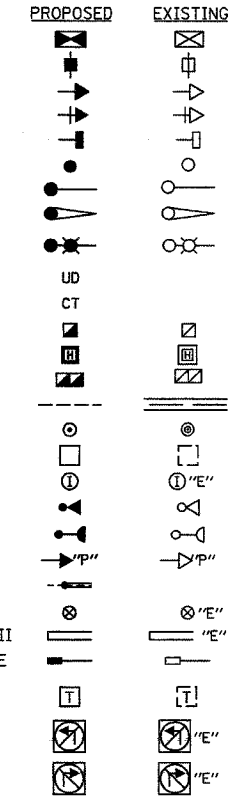
DRAWN BY: DSS/RDP
DESIGNED BY: PKG
CHECKED BY: PKG/KGP

go GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
344	3034N-1	COOK	71	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- UNIT DUCT
- COMMON TRENCH
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- SIGNAL HEAD, OPTICALLY PROGRAMMED
- CONDUIT SPLICE
- WOOD POLE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
- VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
- TELEPHONE CONNECTION
- ILLUMINATED SIGN, FIBER OPTIC
- 'NO LEFT TURN'
- ILLUMINATED SIGN, FIBER OPTIC
- 'NO RIGHT TURN'



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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED TRAFFIC SIGNAL INSTALLATION
 127th STREET (BURR OAK AVE.) AT MAPLE AVE

REVISIONS	
NAME	DATE

GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 308
 CHICAGO, ILLINOIS 60631 TEL. (773) 774-5900

SCALE: 1"=20'
 DATE: 7/17/06
 DRAWN BY: DSS/RDP
 DESIGNED BY: PKG
 CHECKED BY: PKG/KGP

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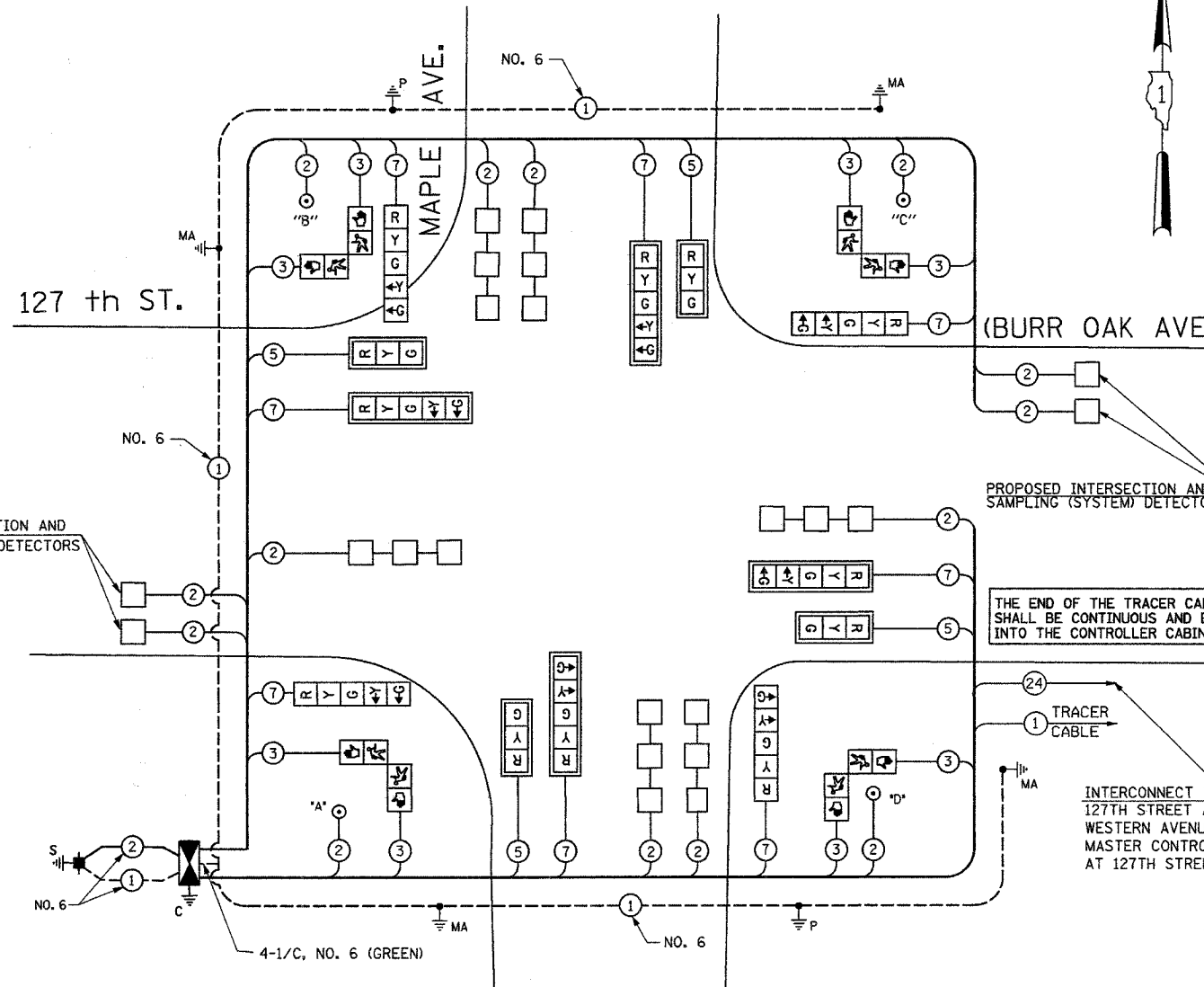
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
344	3034N-1	COOK	71	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
13.5	SQ FT	SIGN PANEL - TYPE 1
30	SQ FT	SIGN PANEL - TYPE 2
667	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
104	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
30	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
98	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
205	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
5	EACH	HANDHOLE
2	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
795	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	TRANSCEIVER-FIBER OPTIC
566	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1204	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
722	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1368	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2317	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
113	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
8	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
60	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
8	EACH	TRAFFIC SIGNAL BACKPLATE
10	EACH	INDUCTIVE LOOP DETECTOR
713	FOOT	DETECTOR LOOP, TYPE 1
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
6	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION, POLE MOUNT
637	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
⊗	⊗	8" (200mm) TRAFFIC SIGNAL SECTION
⊗	⊗	12" (300mm) TRAFFIC SIGNAL SECTION
⊗	⊗	12" (300mm) PEDESTRIAN SIGNAL SECTION
⊗	⊗	12" (300mm) PEDESTRIAN SIGNAL SECTION
⊗	⊗	CONTROLLER CABINET
⊗	⊗	SERVICE INSTALLATION
⊗	⊗	TELEPHONE INSTALLATION
⊗	⊗	VEHICLE DETECTOR, INDUCTION LOOP
⊗	⊗	MAGNETIC DETECTOR
⊗	⊗	EMERGENCY VEHICLE LIGHT DETECTOR
⊗	⊗	CONFIRMATION BEACON
⊗	⊗	PUSH-BUTTON DETECTOR
⊗	⊗	DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
⊗	⊗	⊗ GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
⊗	⊗	⊗ FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM2F & SM2F
⊗	⊗	⊗ SIGNAL FACE WITH BACKPLATE. *P* INDICATES PROGRAMMED HEAD.
⊗	⊗	⊗ RAILROAD CONTROL CABINET
⊗	⊗	⊗ ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
⊗	⊗	⊗ ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
H/C	H/C	GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
P	P	GROUND ROD AT POST OR MAST ARM POLE
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
⊗	⊗	⊗ LOCAL AND MASTER CONTROLLER
⊗	⊗	⊗ MICROWAVE VEHICLE SENSOR



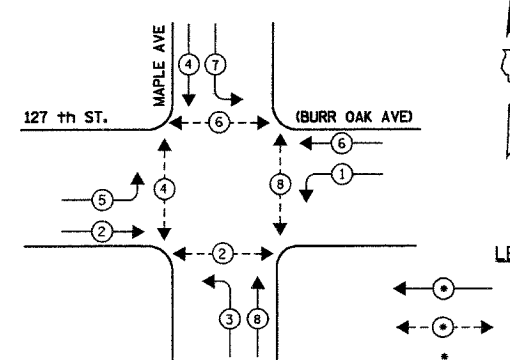
CABLE PLAN

PUSH-BUTTON NOTE:

PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
 PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
 PUSH-BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

LEGEND
 ← ⊗ → DUAL ENTRY PHASE
 ← ⊗ → PEDESTRIAN PHASE
 * NUMBER REFERS TO ASSOCIATED PHASE

L.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	INCAND.	LED	%OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
(YELLOW)	12	135	25	0.25	75.0
(GREEN)	12	135	15	0.25	45.0
ARROW	18	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN				0.05	
FLASHER				0.50	
TOTAL =					541.42

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHLAUBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: MR. RUSSELL WILLIAMS
 PHONE: (708) 235-2346
 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'-H-2=
E-M.ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

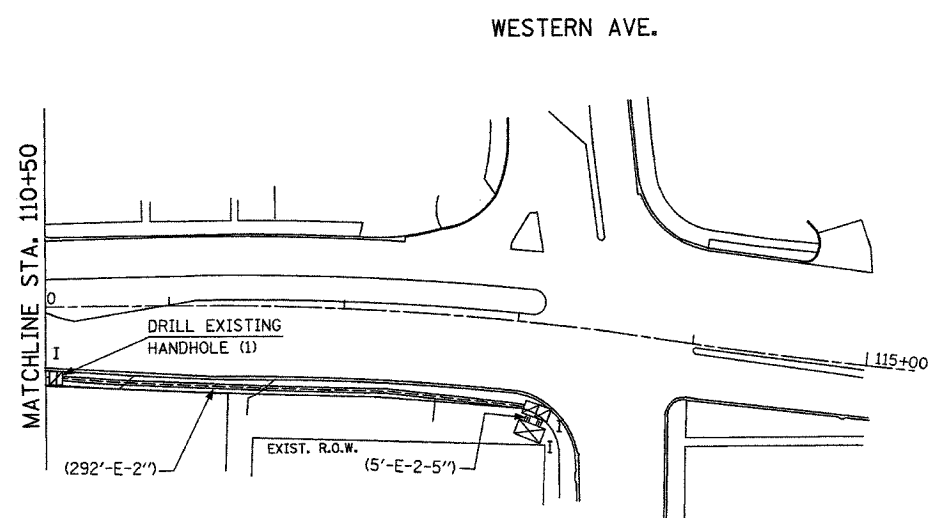
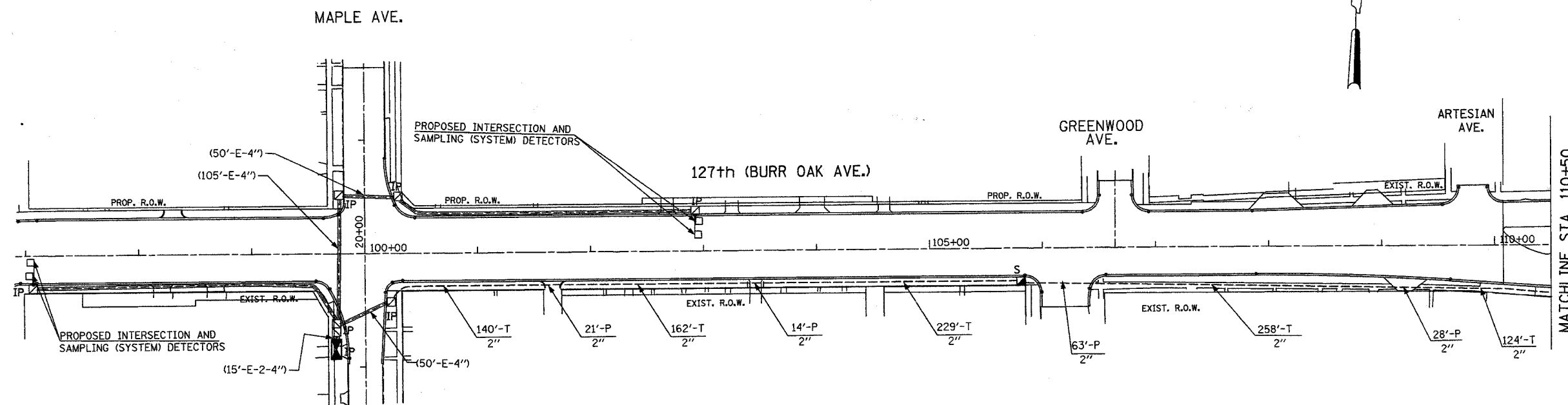
GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60631 TEL: (773) 774-5980

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND SCHEDULE OF QUANTITIES
 127th STREET (BURR OAK AVE.)
 AT MAPLE AVENUE

SCALE: N.T.S.
 DATE: 7/17/06
 DRAWN BY: DSS/RDP
 DESIGNED BY: PKG
 CHECKED BY: PKG/KGP

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
344	3034N-1	COOK	71	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY DUTY HANDHOLE		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	I
TELEPHONE CONNECTION		
EXISTING HANDHOLE TO BE REMOVED		

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

REVISIONS	
NAME	DATE

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6025 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL: (773) 774-590

ILLINOIS DEPARTMENT OF TRANSPORTATION

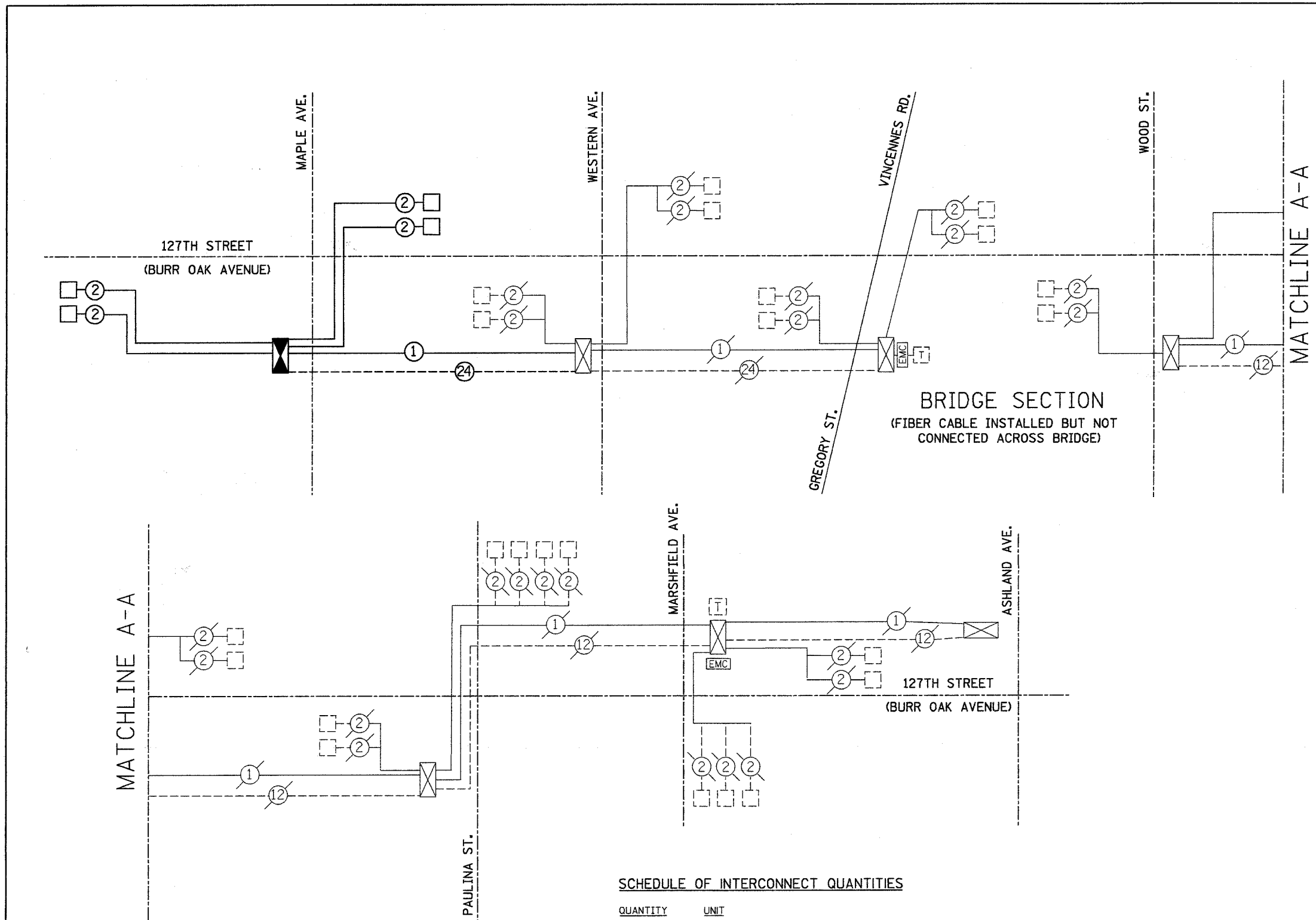
INTERCONNECT PLAN
127TH STREET (BURR OAK AVE.)
FROM MAPLE ROAD TO WESTERN AVENUE

SCALE: 1"=50'
DATE: 7/17/06

DRAWN BY: DSS/RDP
DESIGNED BY: PKG
CHECKED BY: PKG/KGP

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
344	3034N-1	COOK	71	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT.	



- 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 AND PROPOSED SAMPLING (SYSTEM) DETECTORS
 - EXISTING SAMPLING (SYSTEM) DETECTORS
 - PROPOSED SAMPLING (SYSTEM) DETECTORS
 - EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION & 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 MM12F & SM12F
 - PROPOSED FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F & SM12F
 - 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

SCHEDULE OF INTERCONNECT QUANTITIES

QUANTITY	UNIT	
913	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
126	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
1	EACH	HANDHOLE
913	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	DRILL EXISTING HANDHOLE
1447	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C
1473	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
1	L SUM	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
 127th STREET (BURR OAK AVE.) AT MAPLE AVE.

REVISIONS	
NAME	DATE

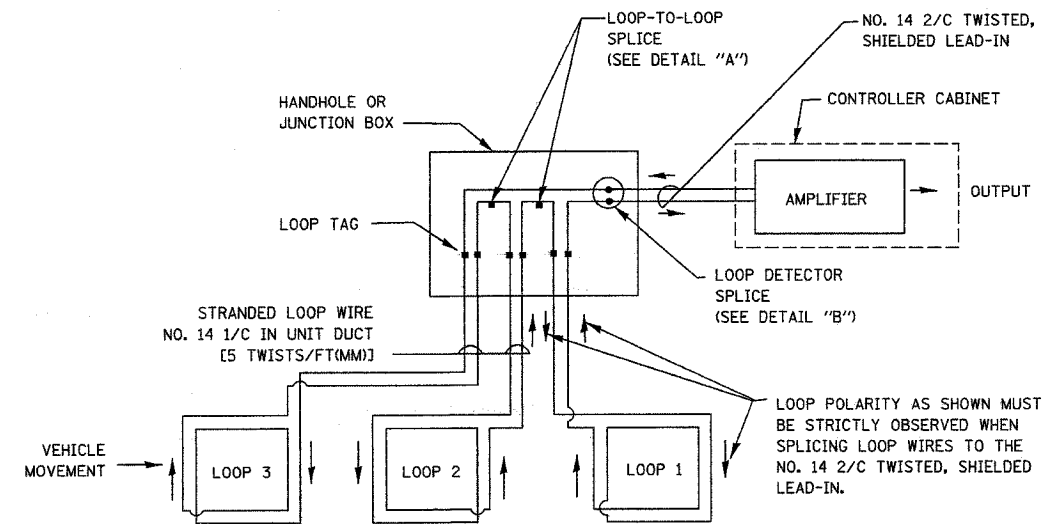
go GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60631 TEL: (773) 774-9900

SCALE: NONE
 DATE: 7/17/06
 DRAWN BY: DSS/RDP
 DESIGNED BY: PKG
 CHECKED BY: PKG/KGP

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	32
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

LOOP DETECTOR NOTES

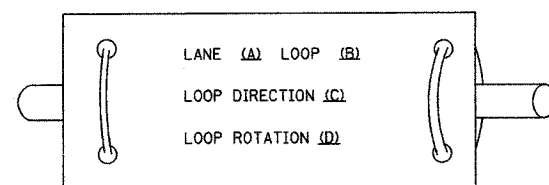
- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED 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.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 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.
- 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.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PERFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



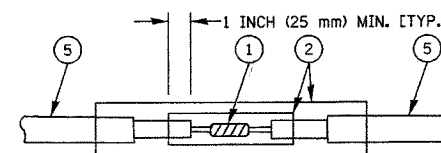
DETECTOR LOOP WIRING SCHEMATIC

- 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.

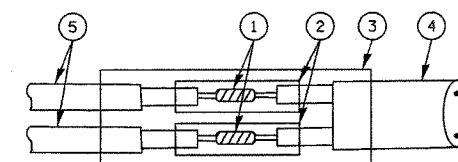
LOOP LEAD-IN CABLE TAG



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



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



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

LOOP DETECTOR SPLICE

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

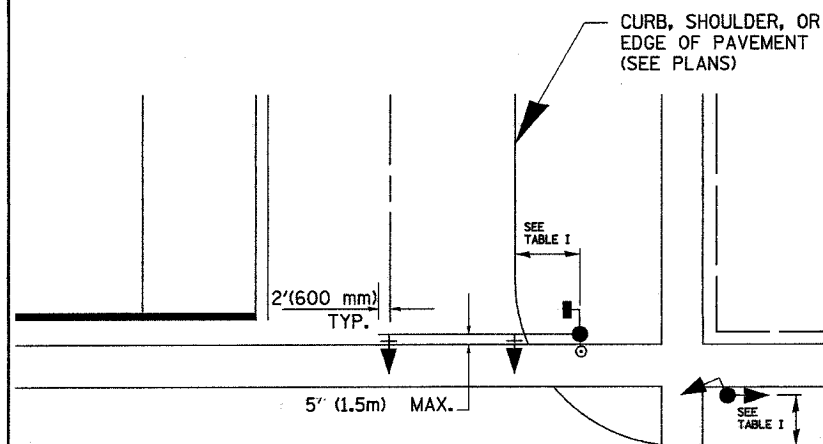
SCALE: VERT. NONE
HORIZ. NONE
DATE 1-01-02

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

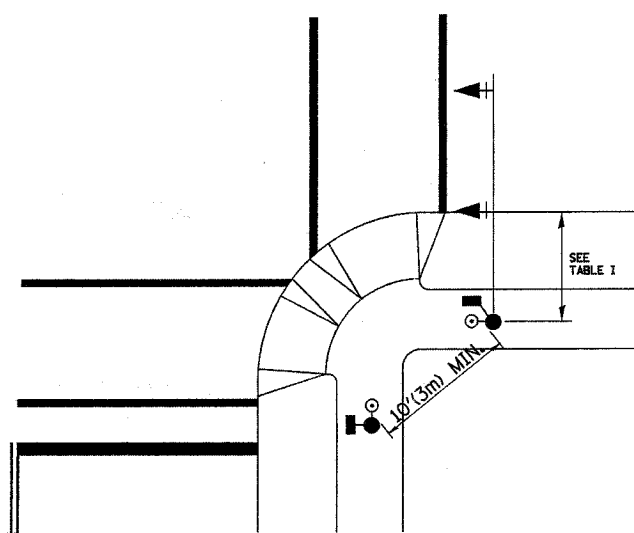
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	33
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

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

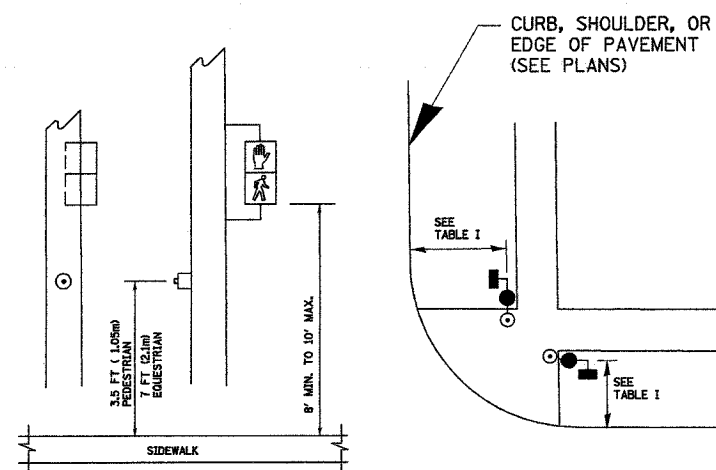


TABLE I

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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

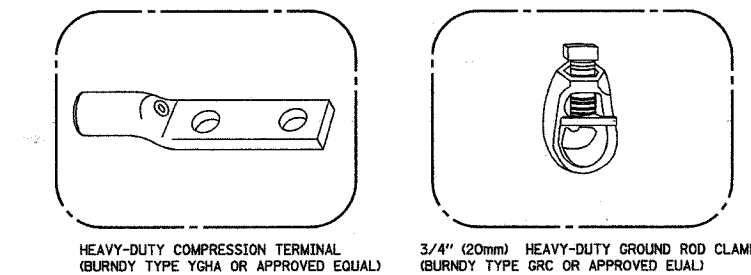
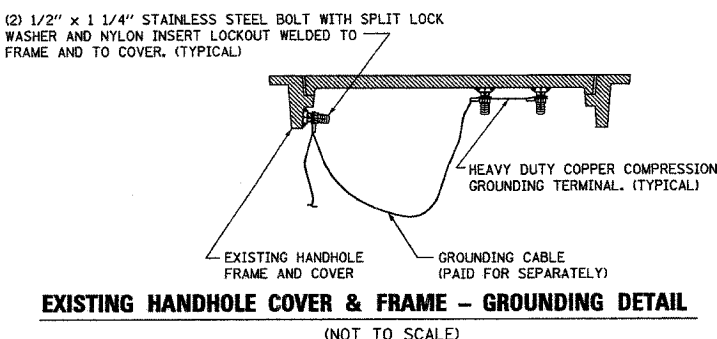
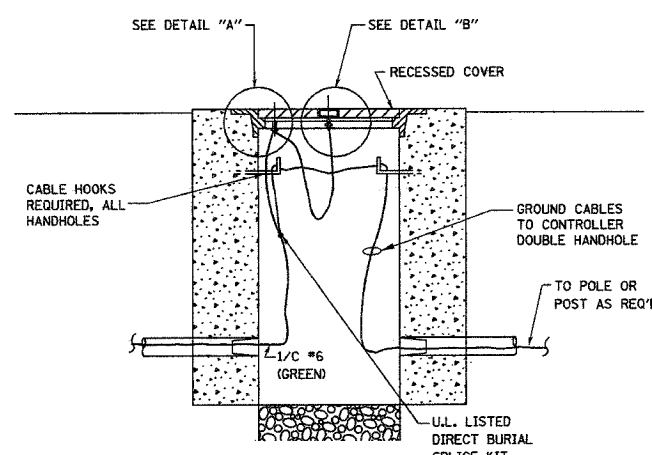
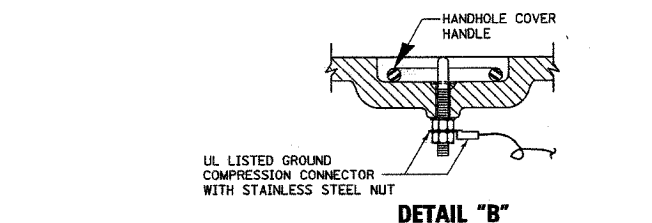
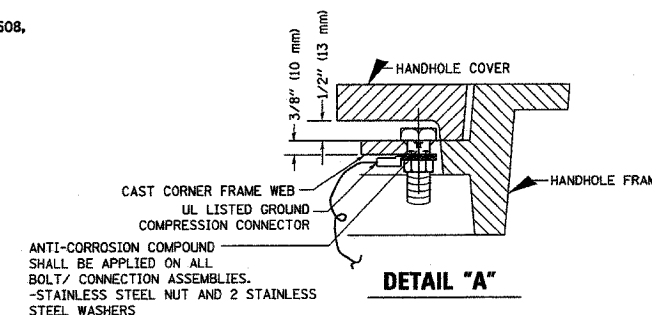
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HORIZ. DATE 1-01-02
DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 2 OF 4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	34
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

NOTES:

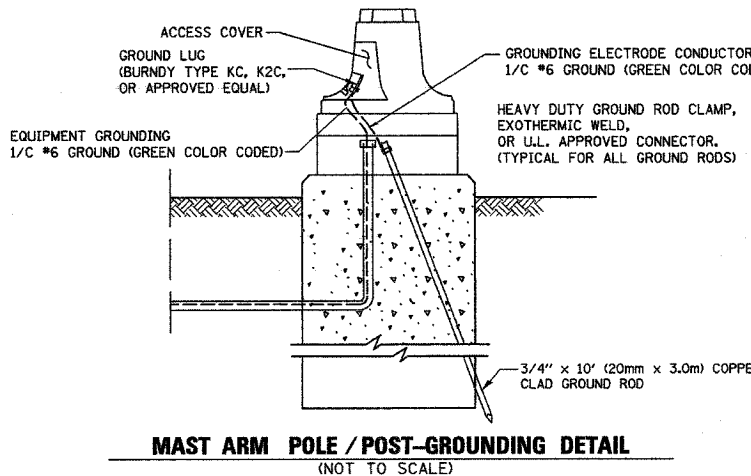
GROUNDING SYSTEM

1. 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. 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.
2. 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.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



NOTES:

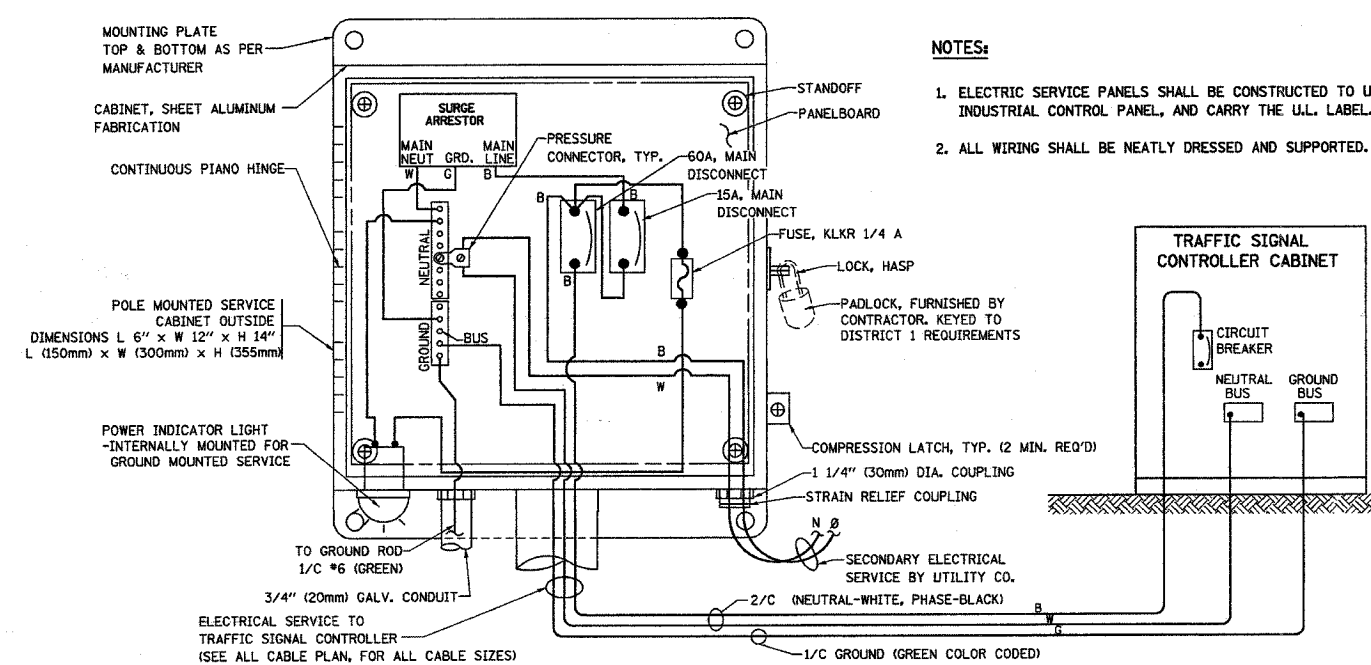
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



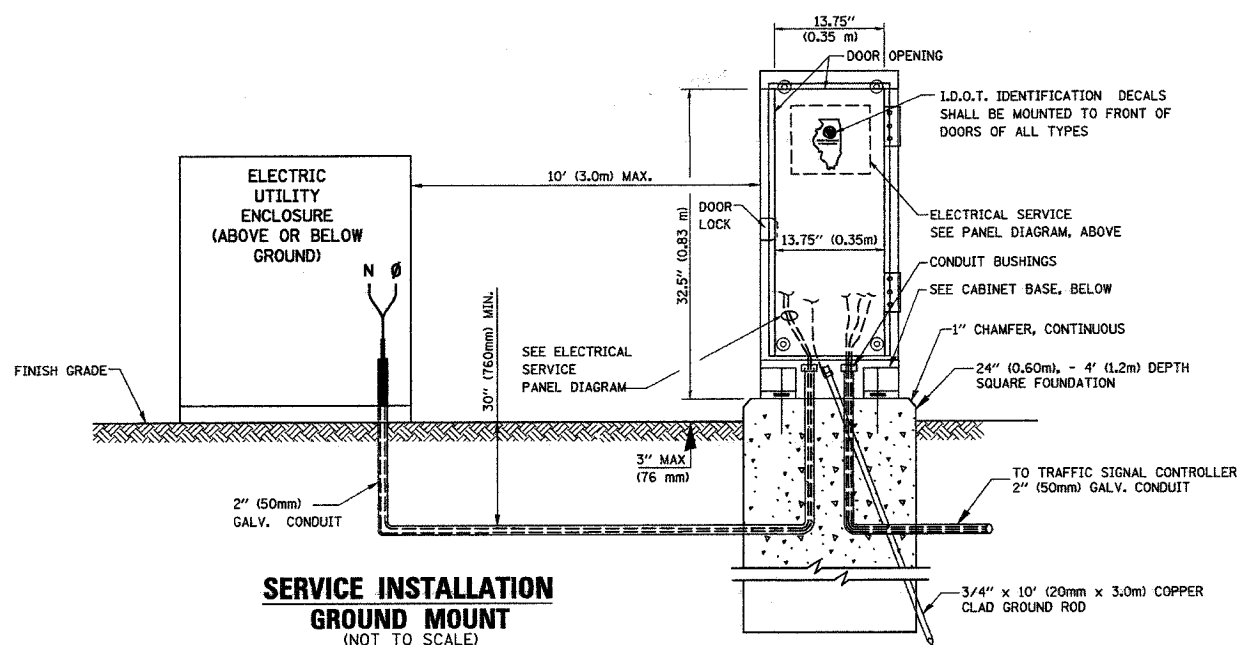
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		
		DISTRICT 1	
		STANDARD TRAFFIC SIGNAL	
		DESIGN DETAILS	
		SCALE: VERT. NONE	DRAWN BY: RWP
		HORIZ. 1-01-02	DESIGNED BY: DAD
			CHECKED BY: DAZ
			SHEET 3 OF 4

NOTES:

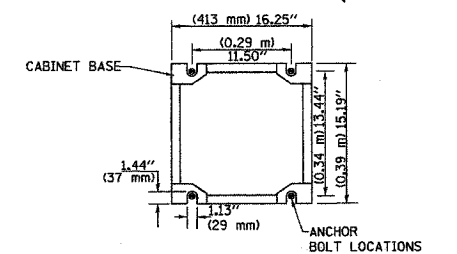
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



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



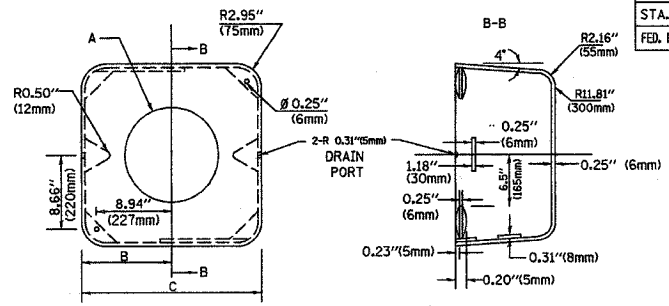
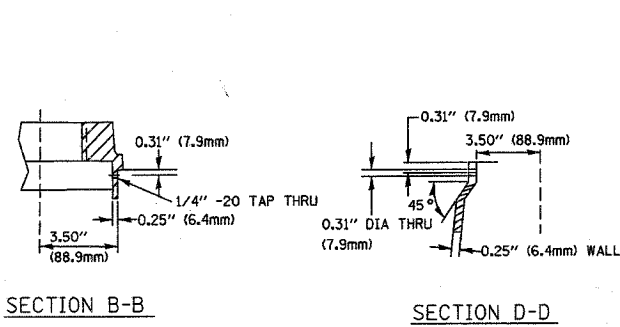
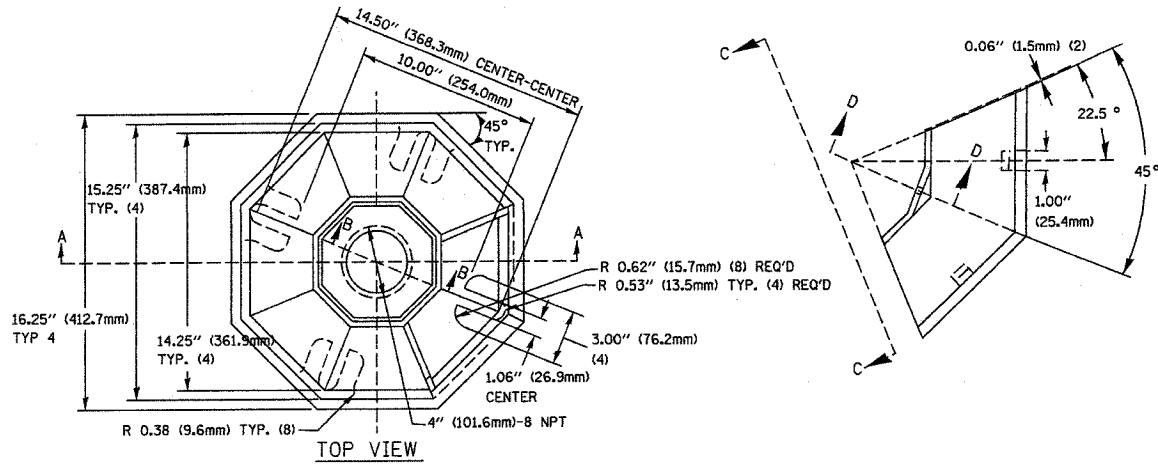
SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)



CABINET - BASE BOLT PATTERN
(NOT TO SCALE)

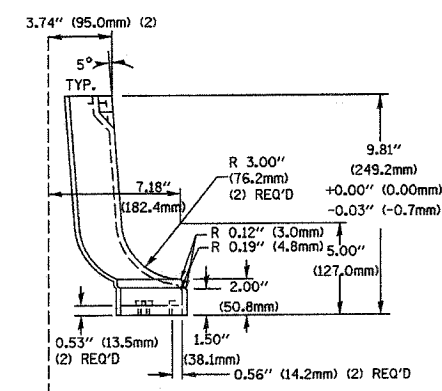
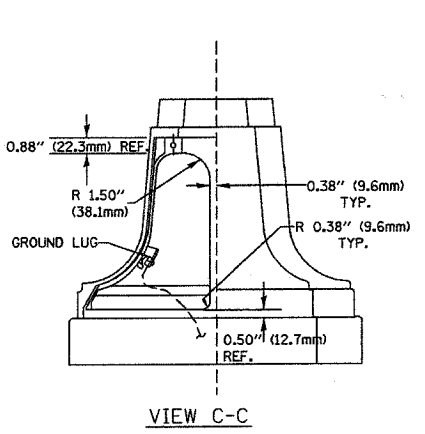
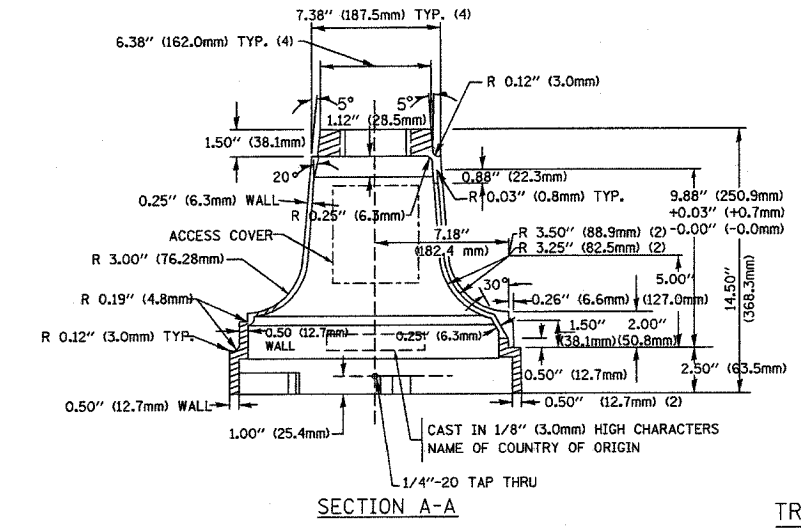
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	35
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

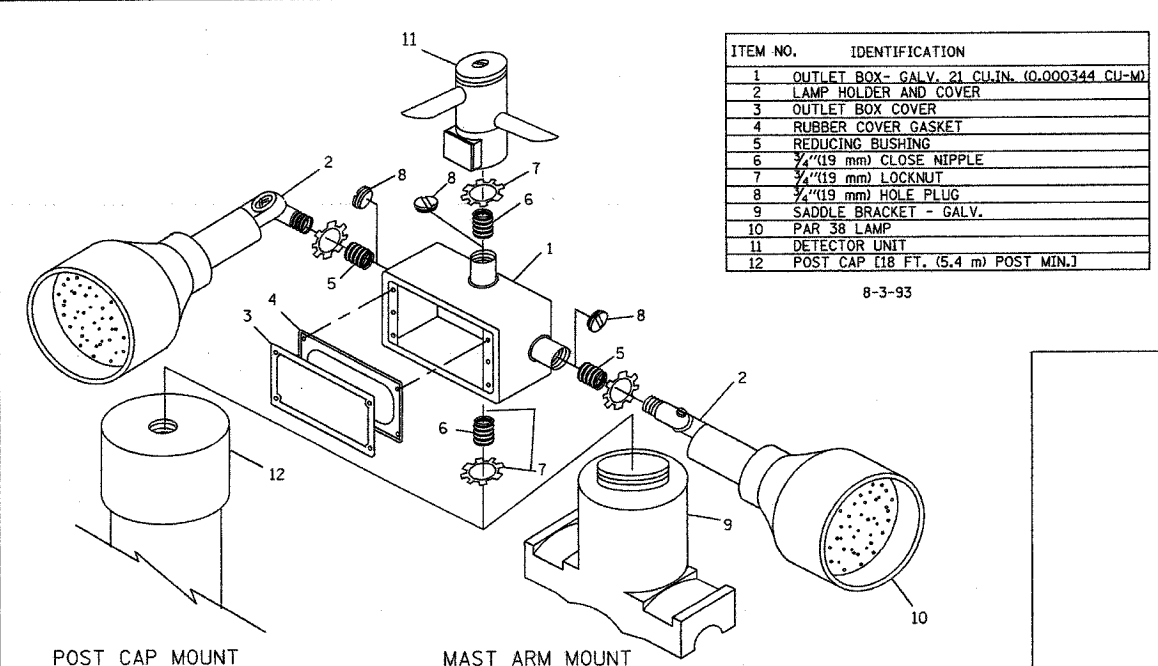
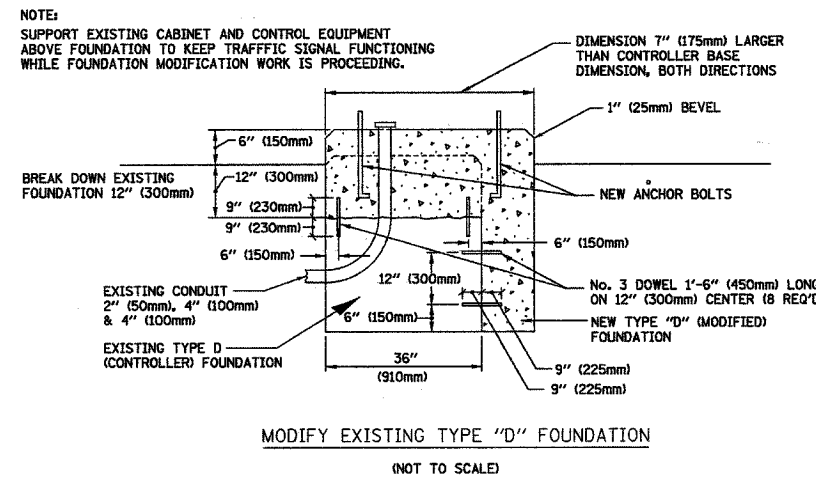


TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125\"(257mm)	9.5\"(241mm)	19\"(483mm)	12\"(300mm)	24kg
II	Ø 11.125\"(283mm)	10.75\"(273mm)	21.5\"(546mm)	12\"(300mm)	26kg

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

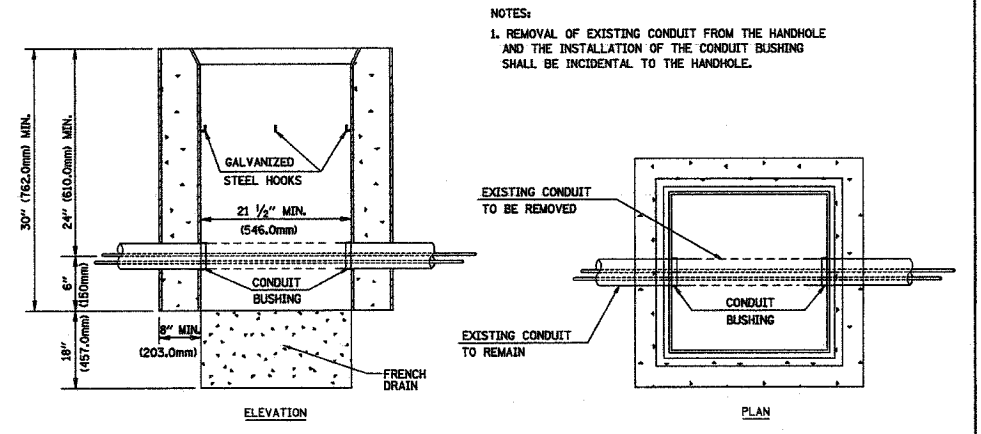
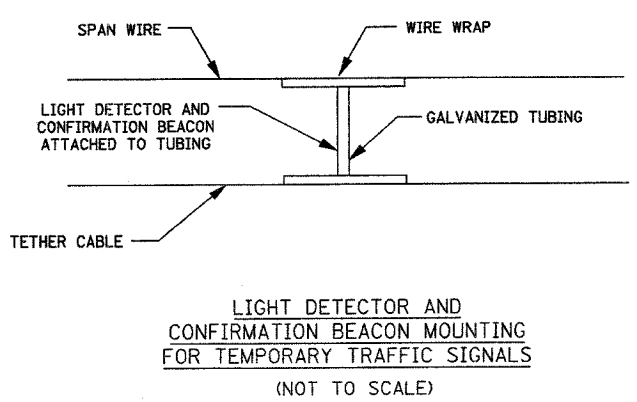


TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU.IN. (0.00344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\"(19 mm) CLOSE NIPPLE
7	3/4\"(19 mm) LOCKNUT
8	3/4\"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 1
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

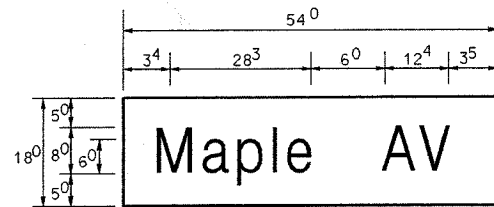
SCALE: VERT. NONE
 HORIZ. 1-01-02

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

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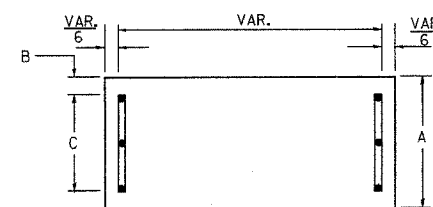
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	36
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PANEL SIGN DESIGN TYPE 1



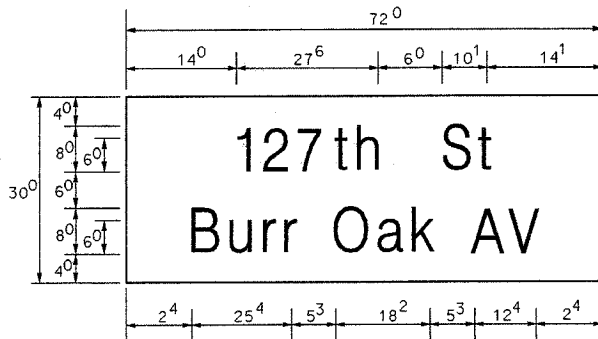
6.75 Sq. Ft. each
 2 Required
 Design Series D

SUPPORTING CHANNELS



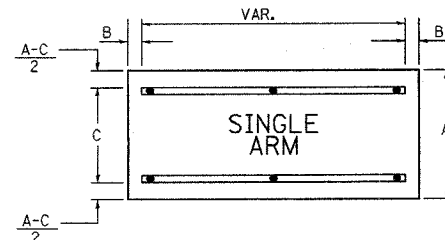
A	B	C
18"	2"	14"

PANEL SIGN DESIGN TYPE 2



15 Sq. Ft. each
 2 Required
 Design Series D

SUPPORTING CHANNELS

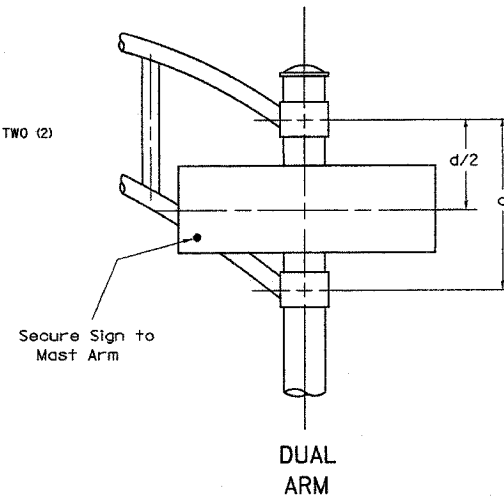


A	B	C
18"	2"	12"
30"	2"	22"

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

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 834001, 834006 AND 834011, 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 * AMERICAN FABRICATION CO.
 SCHAUMBURG, IL CHICAGO HEIGHTS, IL
 * TUCKER COMPANY, INC. * WESTERN TRAFFIC CONTROL INC.
 WAUWATOSA, WI CICERO, IL
- PARTS LISTING:
 SIGN CHANNEL PART *HPN033 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
 BRACKETS PART *HPN034 (UNIVERSAL)
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
 OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.



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, 2 DENOTES 3/8"

SERIES	SECOND LETTER															
	acde		bhikl		f w		j		s t		v y		x		z	
	g	o	q	m	n	p	r									
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		f w		j		s t		v y		x		z	
	g	o	q	m	n	p	r									
ad h g l j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u																
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	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
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	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	14	15	14	15	14	15	11	12	14	15	14	15
5	14	15	14	15	14	15	11	12	14	15	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	14	14	15	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	14	14	15	14	15	14	15	11	12	14	15	14	15
8	16	17	16	17	14	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	
	SERIES		SERIES			SERIES	
	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

REVISIONS	
NAME	DATE
D.A.Z./D.A.G.	11/90
	6/98
CADD	10/00

Illinois Department of Transportation
 DISTRICT 1

MAST ARM MOUNTED
 STREET NAME SIGNS

SCALE: NONE
 DATE: **DATE**

DRAWN BY: ROB
 DESIGNED BY: JHE
 CHECKED BY: DAD

F.A.P. SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	37
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

NO.	ITEM DESCRIPTION	UNIT	TOTAL
1	EXPLORATION TRENCH, SPECIAL	FOOT	200
2	ELECTRIC SERVICE INSTALLATION	EACH	1
3	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
4	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	705
5	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	100
6	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	70
7	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	70
8	UNIT DUCT, WITH 3-1/C NO. 6 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1" POLYETHYLENE	FOOT	3450
9	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3-1/C NO. 1/0	FOOT	230
10	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	8
11	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12
12	LIGHTING CONTROLLER, TYPE CB-RCS 60 AMP-480 VOLT	EACH	1
13	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. MAST ARM	EACH	10
14	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	9
15	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM	EACH	1
16	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	144
17	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	27
18	BREAKAWAY DEVICE, TRANSFORMER BASE, 15" BOLT CIRCLE	EACH	20
19	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	20
20	LIGHTING FOUNDATION REMOVAL, PARTIAL	EACH	20
21	REMOVAL OF LIGHTING CONTROLLER	EACH	1
22	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
23	UNIT DUCT, BORED AND PULLED	FOOT	3145

GENERAL NOTES :

1. ALL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
2. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
3. BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL CE Co. FOR APPROVAL OF LOCATION.
4. FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL CE Co.
5. ALL CONDUIT TO BE 2" DIAMETER UNLESS OTHERWISE SPECIFIED.
6. ANY TREE TRIMMING REQUIRED AS DIRECTED BY THE ENGINEER SHALL BE PERFORMED BY THE CONTRACTOR, AND THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
7. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING, (i.e. DECORATIVE ROCKS, SHRUBS, PLANTS, ECT.) OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

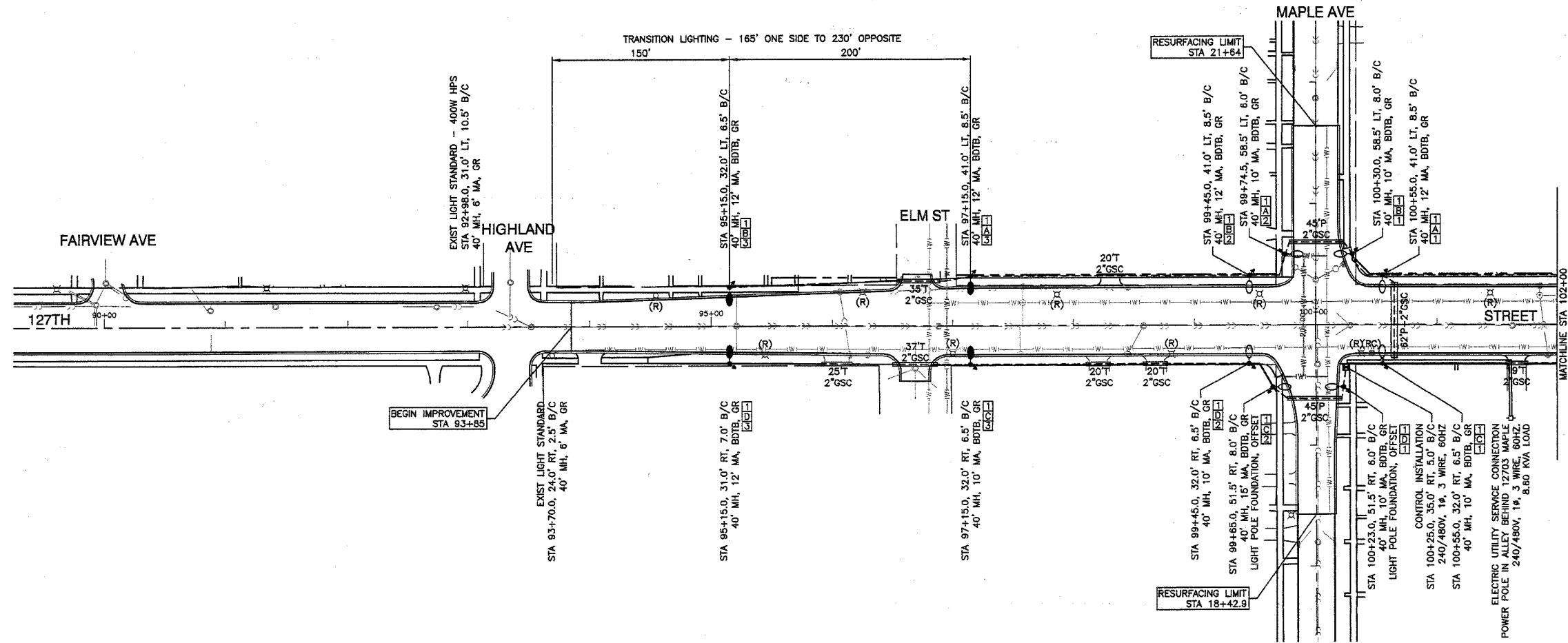
LEGEND :

- EXISTING STREET LIGHT
- PROPOSED STREET LIGHT-250W HPS, 40' MOUNTING HEIGHT
- PROPOSED STREET LIGHT-400W HPS, 40' MOUNTING HEIGHT
- CONTROLLER
- CONDUIT,PUSHED,GALVANIZED STEEL
- CONDUIT,TRENCHED,GALVANIZED STEEL
- UNIT DUCT,W/3-1/C,NO.6 AND 1/C NO.8 GROUND, 600V (EPR TYPE RHW) 1" DIAMETER POLYETHYLENE, BORED & PULLED
- CIRCUIT
- ELECTRIC CABLE IN CONDUIT, 600V (EPR TYPE USE) 3-1/C NO.1/0
- GROUND ROD
- SIDEWALK REMOVAL & REPLACEMENT
- BITUMINOUS PARKWAY REMOVAL AND REPLACEMENT
- (R) EXISTING STREET LIGHT TO BE REMOVED (SALVAGE)
- (RC) REMOVE EXISTING LIGHTING CONTROLLER
- BDTB BREAKAWAY DEVICES, TRANSFORMER BASE

MFT SECTION 06-00173-00-LT

ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3825 © COPYRIGHT 2006 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128	REVISIONS		
	No.	Date	Remarks
F.A.P. ROUTE 344 127TH STREET @ MAPLE ROAD STREET LIGHTING SUMMARY OF QUANTITIES BLUE ISLAND, ILLINOIS			
Drawn by: RG Checked by: PAP Sheet of	Date: 11/27/06 Scale: NONE Project No. 06-688		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	38
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



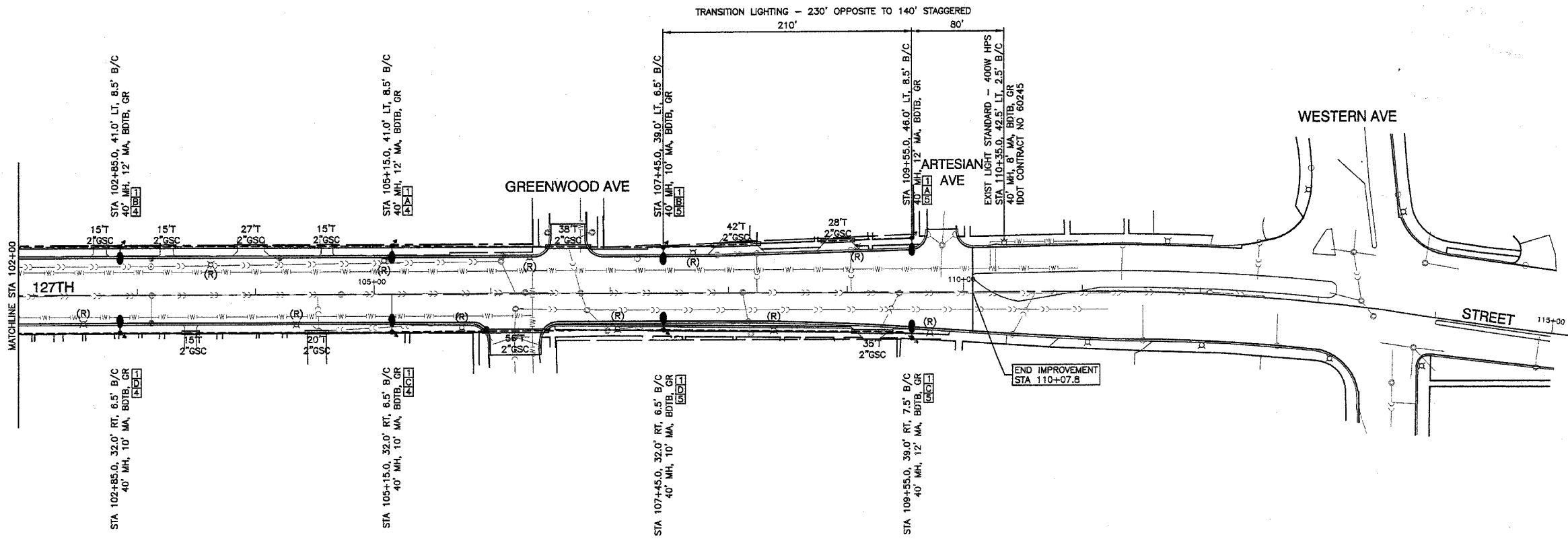
LEGEND :

- EXISTING STREET LIGHT
- PROPOSED STREET LIGHT-250W HPS, 40' MOUNTING HEIGHT
- PROPOSED STREET LIGHT-400W HPS, 40' MOUNTING HEIGHT
- CONTROLLER
- CONDUIT, PUSHED, GALVANIZED STEEL
- CONDUIT, TRENCHED, GALVANIZED STEEL
- UNIT DUCT, W/3-1/C, NO. 6 AND 1/C NO. 8 GROUND, 800V (EPR TYPE RHW) 1" DIAMETER POLYETHYLENE, BORED & PULLED
- CIRCUIT
- ELECTRIC CABLE IN CONDUIT, 800V (EPR TYPE USE) 3-1/C NO. 10
- GROUND ROD
- SIDEWALK REMOVAL & REPLACEMENT
- BITUMINOUS PARKWAY REMOVAL AND REPLACEMENT
- EXISTING STREET LIGHT TO BE REMOVED (SALVAGE)
- REMOVE EXISTING LIGHTING CONTROLLER
- BREAKAWAY DEVICES, TRANSFORMER BASE

MFT SECTION 06-00173-00-LT

ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-2826		REVISIONS <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Remarks</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		No.	Date	Remarks																														
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F.A.P. ROUTE 344 127TH STREET @ MAPLE ROAD STREET LIGHTING BEGIN IMPROVEMENT TO STA 102+00 BLUE ISLAND, ILLINOIS																																				
Drawn by: RG	Date: 11/27/06																																			
Checked by: PAP	Scale: 1"=50'																																			
Sheet of 	Project No. 06-688																																			

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	39
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



- LEGEND:**
- EXISTING STREET LIGHT
 - PROPOSED STREET LIGHT-250W HPS, 40' MOUNTING HEIGHT
 - PROPOSED STREET LIGHT-400W HPS, 40' MOUNTING HEIGHT
 - CONTROLLER
 - CONDUIT, PUSHED, GALVANIZED STEEL
 - CONDUIT, TRENCHED, GALVANIZED STEEL
 - UNIT DUCT, W/3-1/C, NO. 6 AND 1/C NO. 8 GROUND, 600V (EPR TYPE RHW) 1" DIAMETER POLYETHYLENE, BORED & PULLED
 - CIRCUIT
 - ELECTRIC CABLE IN CONDUIT, 600V (EPR TYPE USE) 3-1/C NO. 1/0
 - GROUND ROD
 - SIDEWALK REMOVAL & REPLACEMENT
 - BITUMINOUS PARKWAY REMOVAL AND REPLACEMENT
 - EXISTING STREET LIGHT TO BE REMOVED (SALVAGE)
 - REMOVE EXISTING LIGHTING CONTROLLER
 - BREAKAWAY DEVICES, TRANSFORMER BASE

MFT SECTION 06-00173-00-LT

ROBINSON ENGINEERING, LTD.
CONSULTING REGISTERED PROFESSIONAL ENGINEERS
AND PROFESSIONAL LAND SURVEYORS
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-8700 FAX (708) 331-3535

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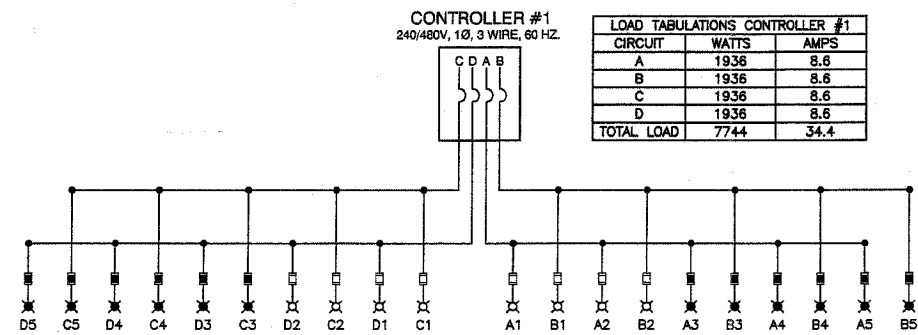
F.A.P. ROUTE 344
127TH STREET @ MAPLE ROAD
STREET LIGHTING
STA 102+00 TO END IMPROVEMENT

BLUE ISLAND, ILLINOIS

REVISIONS		
No.	Date	Remarks

Drawn by: RG	Date: 11/27/06
Checked by: PAP	Scale: 1"=50'
Sheet of	Project No. 06-688

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	40
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



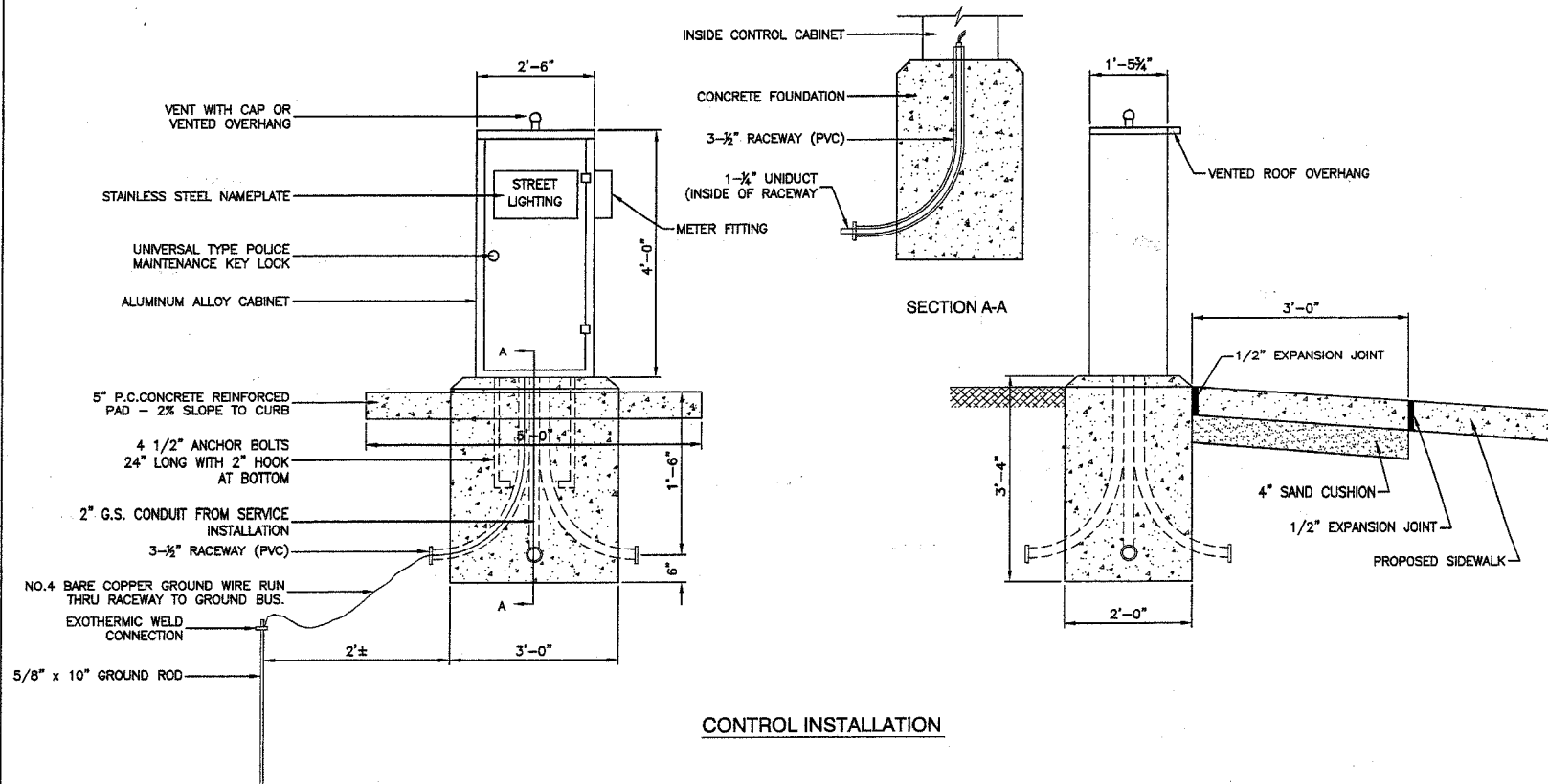
SINGLE LINE LEGEND

- ⊗ LUMINAIRE, 250W HPS, STREET LIGHT
- ⊗ LUMINAIRE, 400W HPS, STREET LIGHT
- FUSE, 3.5 AMP
- FUSE, 5.0 AMP
- A1 LUMINAIRE CIRCUIT
- ⌋ CIRCUIT BREAKER
- CONNECTION

MFT SECTION 06-00173-00-LT

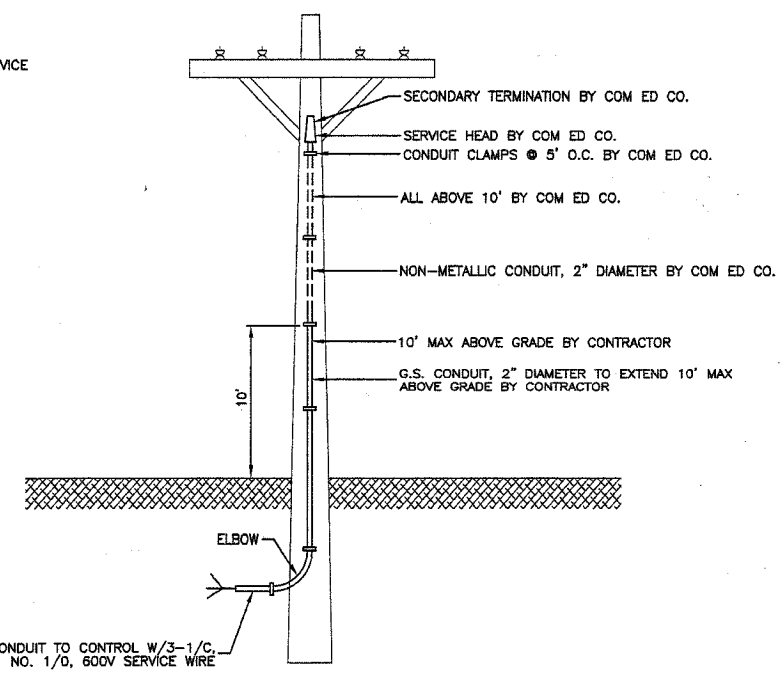
ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3826 © COPYRIGHT 2006 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128.		REVISIONS		
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F.A.P. ROUTE 344 127TH STREET @ MAPLE ROAD STREET LIGHTING SINGLE LINE WIRING DIAGRAM BLUE ISLAND, ILLINOIS				
Drawn by: RG	Date: 11/27/06			
Checked by: PAP	Scale: NONE			
Sheet: of	Project No. 06-688			

F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
344	3034 N-1	COOK	71	41
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

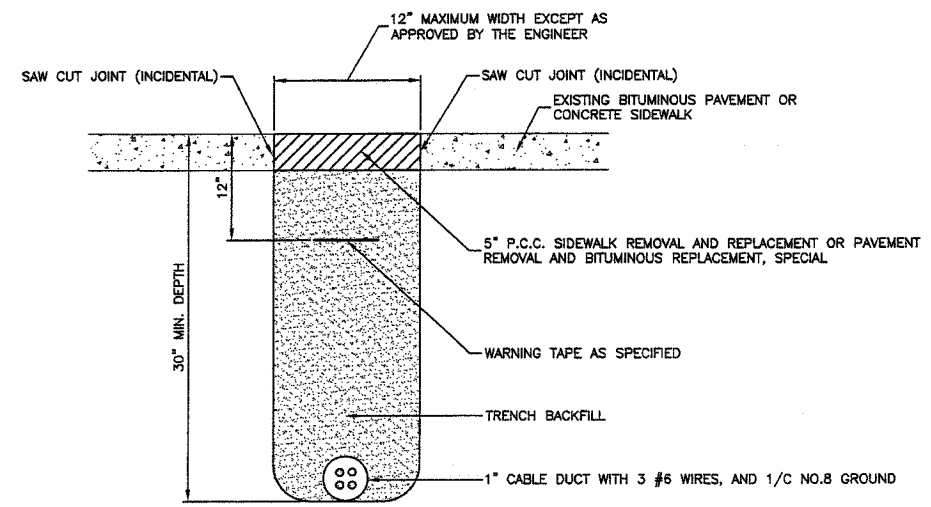


CONTROL INSTALLATION

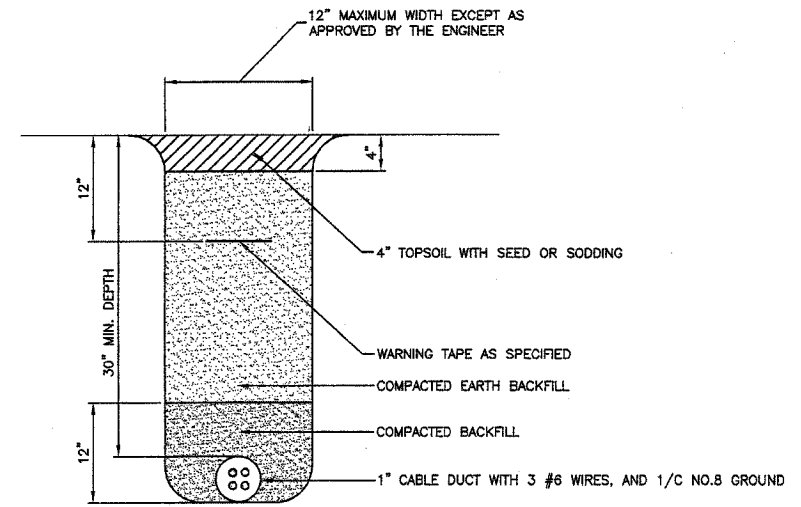
240/480 VOLT, 1 ϕ , 3 WIRE, 60HZ SERVICE
KVA LOAD, CONTROLLER #1



SERVICE CONNECTION FOR ALL CONTROLLERS



BITUMINOUS PAVEMENT OR CONCRETE SIDEWALK
REMOVAL AND REPLACEMENT

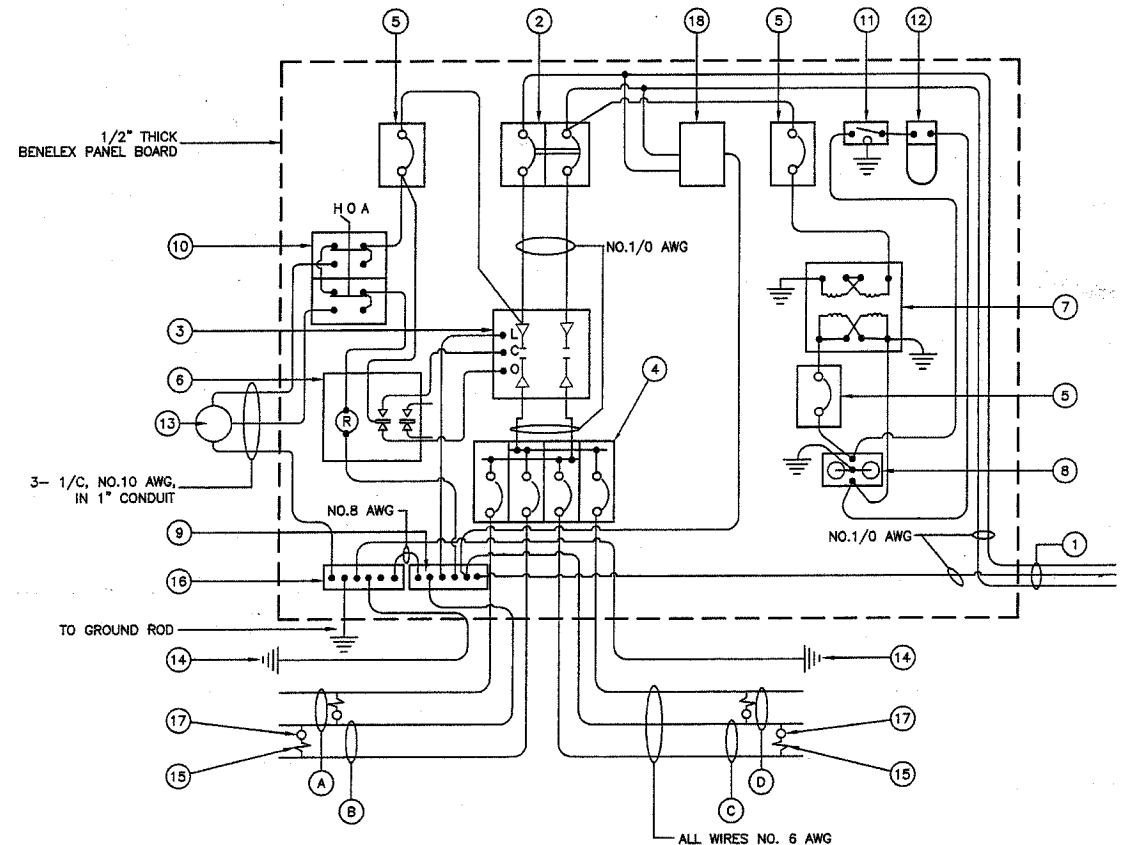


TRENCH DETAIL

MFT SECTION 06-00173-00-LT

ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3828		REVISIONS No. Date Remarks	
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F.A.P. ROUTE 344 127TH STREET @ MAPLE ROAD STREET LIGHTING DETAILS			
BLUE ISLAND, ILLINOIS			
Drawn by: RG	Date: 11/27/06		
Checked by: PAP	Scale: NONE		
Sheet of	Project No. 06-688		

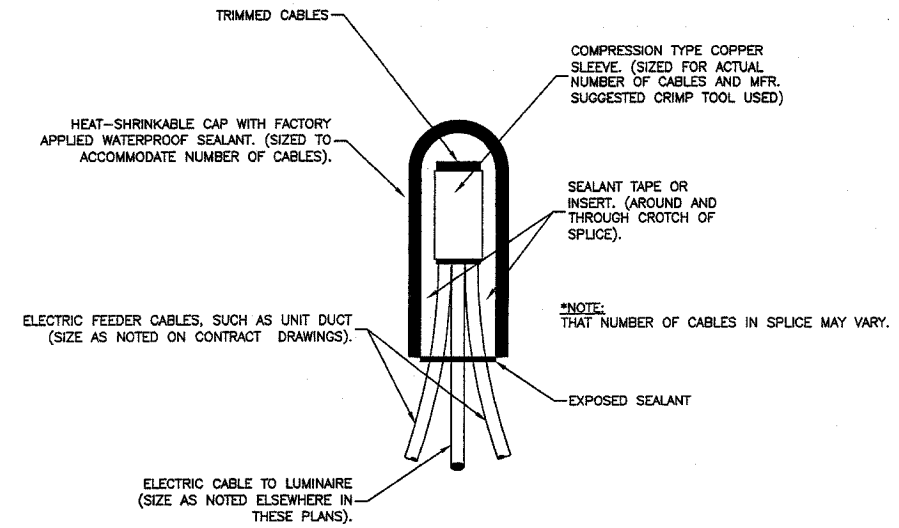
F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	42
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



CONTROLLER WIRING DIAGRAM

GENERAL NOTES FOR CONTROL CABINET

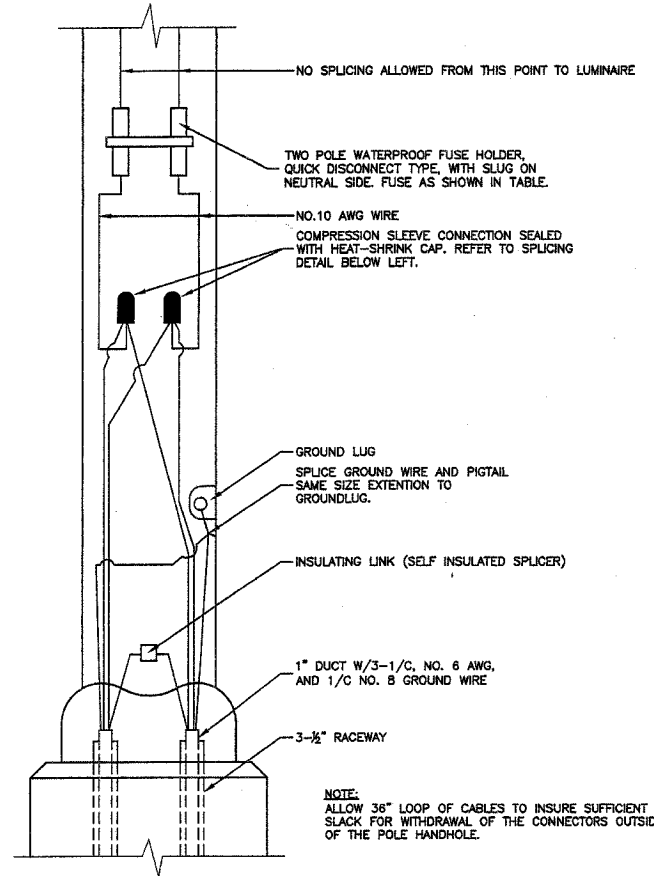
- ENTIRE CONTROL CABINET SHALL BE GROUNDED.
- ALL WIRING SHALL BE TAGGED WITH SELF-STICKING WIRE MARKERS.
- GROUND BUS TO BE COLOR CODED GREEN, NEUTRAL BUS WHITE, AND BONDED TO CABINET ENCLOSURE BY LISTED PRESSURE CONNECTORS OR LISTED CLAMPS.
- ALL INTERNAL CONTROLLER WIRING TO BE NO.12 AWG UNLESS OTHERWISE SPECIFIED.
- CABINET WIRING INSULATION TO BE TYPE XHHW OR APPROVED EQUAL.



SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS

CONTROLLER WIRING DIAGRAM LEGEND

- 3-1/4, NO. 1/0, 600V SERVICE WIRE IN 2" DIA. GALVANIZED STEEL CONDUIT FOR 240/480 VOLT, 1Ø, 3 WIRE, 60HZ. SERVICE.
- (1) 60 AMP MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000 AMP AT 480 V.
- (1) 60 AMP REMOTE CONTROL CONTACTOR SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, MINIMUM 60 AMP, 600 VOLT
- (4) 30 AMP CIRCUIT BREAKER, 1 POLE, 240 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000 AMP AT 240 VOLTS.
- (3) 20 AMP CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA 14000 AMP AT 240 V.
- (1) 20 AMP, 1 POLE DOUBLE THROW, 240 VOLT RELAY
- (1) 1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240x480/120x240 VOLT, 60 HZ.
- (1) 20 AMP, 120 VOLT DUPLEX GFCI RECEPTACLE.
- NEUTRAL BUS BAR, 1/4"x1"x12" LONG MOUNTED ON PANEL WITH TAPS.
- 3 POSITION SELECTOR SWITCH
- SWITCH FOR LIGHTING FIXTURE MOUNTED IN BOX.
- WEATHER-PROOF INCANDESCENT LIGHTING FIXTURE WITH 60 WATT, 120 V LAMP.
- PHOTOCELL MOUNTED TO TOP OF NEAREST LIGHT POLE, 240 V.
- NO. 8 AWG INSULATED GROUND WIRE
- IN-LINE FUSEHOLDER WITH FUSE AS NOTED IN FUSE TABLE
- GROUND BUS BAR 1/4"x1"x12" LONG MOUNTED ON PANEL WITH TAPS.
- LUMINAIRE, 250 HPS
- SURGE SUPPRESSOR
- CIRCUIT
- CIRCUIT
- CIRCUIT
- CIRCUIT



POLE HANDHOLE WIRING DIAGRAM (TYPICAL FOR SINGLE LUMINAIRE INSTALLATION)

LIGHTING GENERAL NOTES

- ALL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
- CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
- BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL C.E. Co. FOR APPROVAL OF LOCATION.
- FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL C.E. Co.
- SIZE ALL CONDUIT AS SPECIFIED ON DRAWINGS.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (I.E. DECORATIVE ROCKS, SHRUBS, PLANTS, ECT.) OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

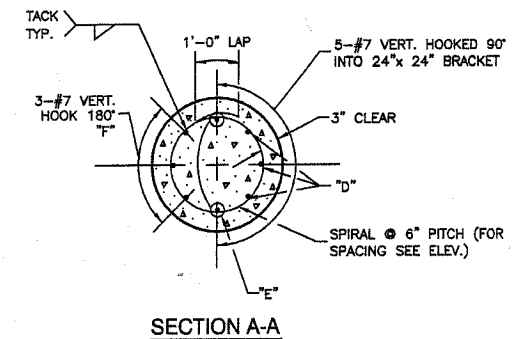
NOMINAL WATTAGE	FUSE SIZE
250	3.5 AMP

LUMINAIRE FUSE SIZE TABLE

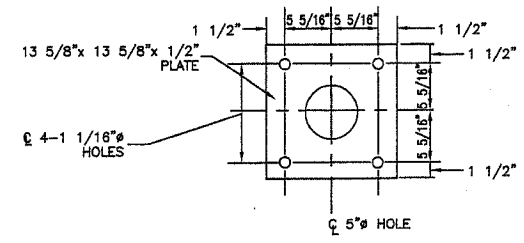
MFT SECTION 06-00173-00-LT

ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE - SOUTH HOLLAND, ILLINOIS 60473 (708) 331-8700 FAX (708) 331-8828 © COPYRIGHT 2006 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128		REVISIONS No. Date Remarks	
F.A.P. ROUTE 344 127TH STREET @ MAPLE ROAD STREET LIGHTING DETAILS			
BLUE ISLAND, ILLINOIS			
Drawn by: RG	Date: 11/27/06		
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Sheet of	Project No. 06-688		

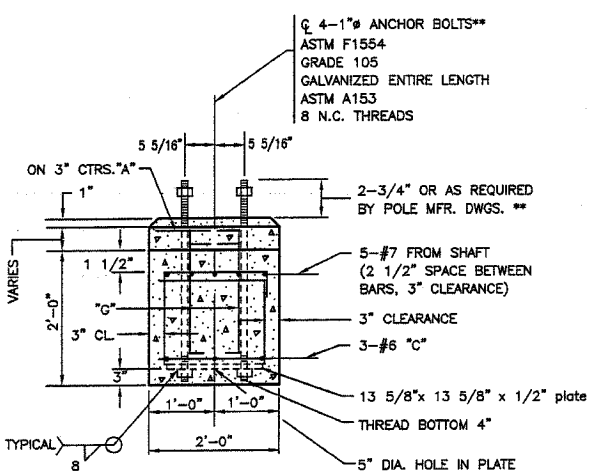
FAP. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	43
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



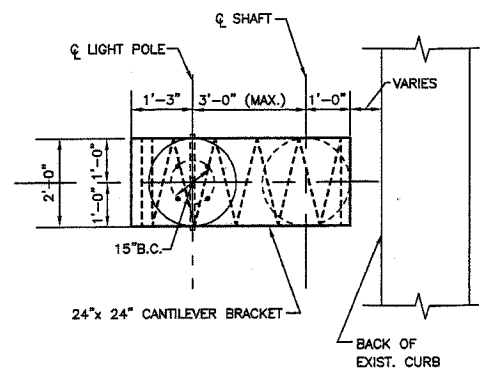
SECTION A-A



ANCHOR BOLT PLATE



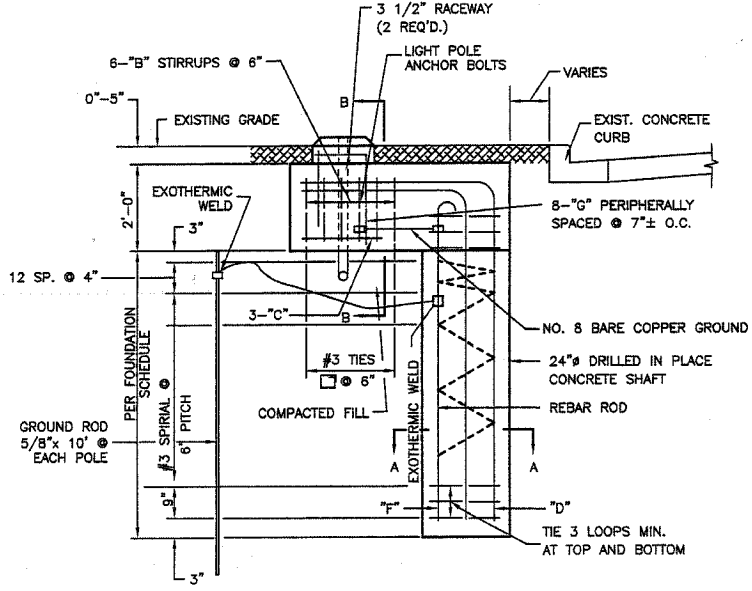
SECTION B-B



PLAN - CANTILEVERED BRACKET

NOTE:
THE TOP OF THE ANCHOR BOLTS SHOULD NOT PROJECT MORE THAN 4" ABOVE A 60" CHORD ALIGNED RADIALLY TO THE CENTERLINE OF THE HIGHWAY AND CONNECTING ANY POINT WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.

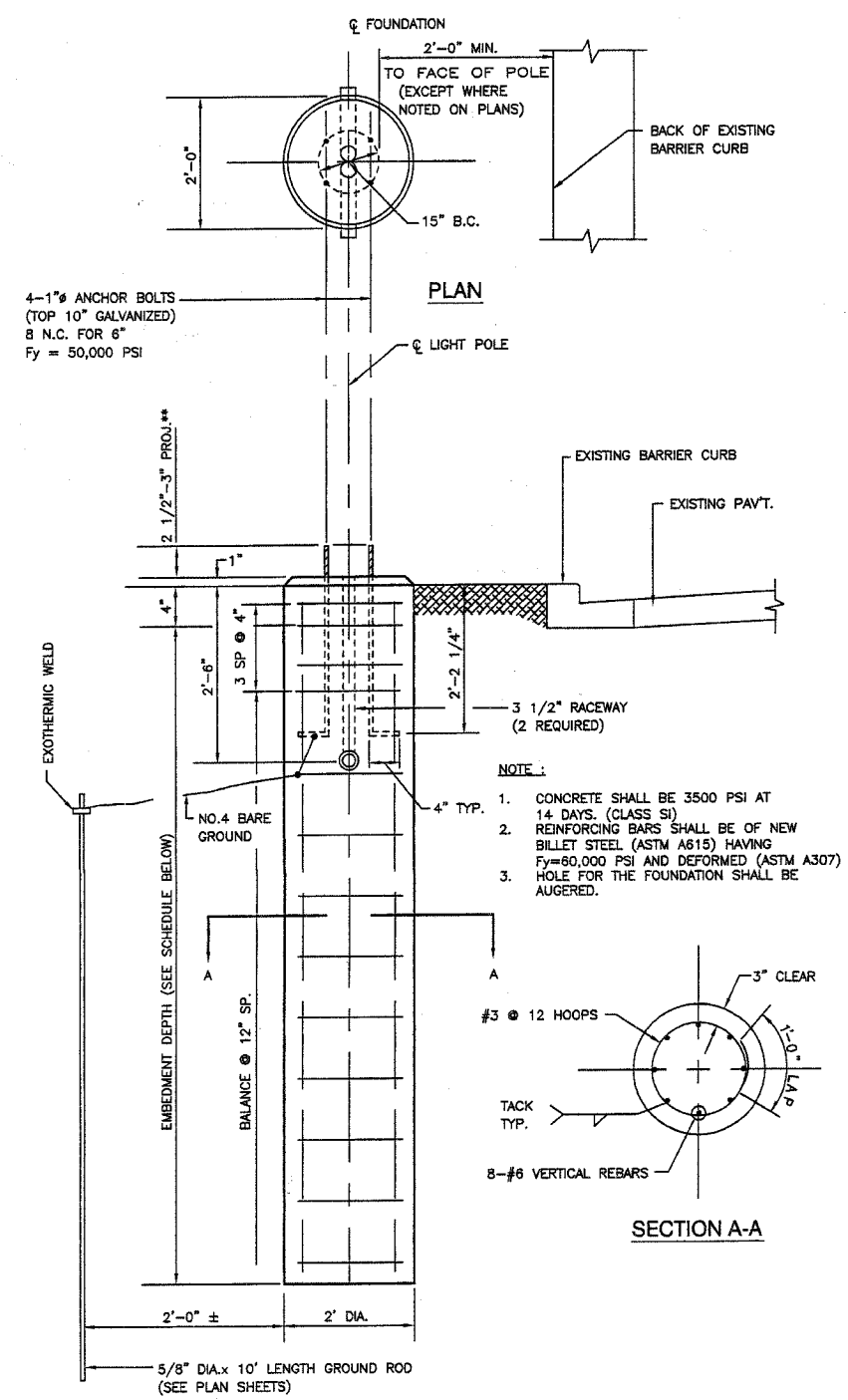
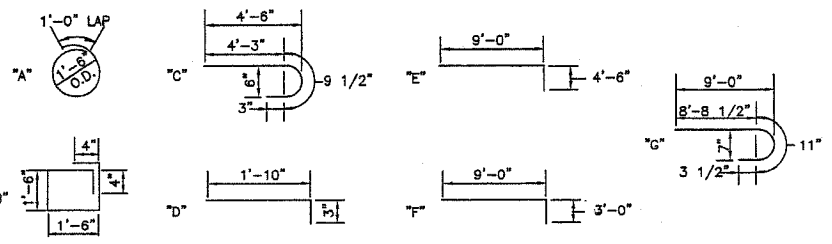
- NOTE:**
1. CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS SI)
 2. REINFORCING BARS SHALL BE OF NEW BILLET STEEL ASTM M42M (M42) AND DEFORMED
 3. HOLE FOR THE FOUNDATION (SHAFT) SHALL BE AUGERED
 4. POLE FOUNDATION, OFFSET FOR THIS APPLICATION IS EQUIVALENT TO 13.5 LIN.FT. PER FOUNDATION.
 5. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES 12" O.C. WITH THE APPROVAL OF THE ENGINEER



ELEVATION

POLE FOUNDATION, OFFSET - DETAILS

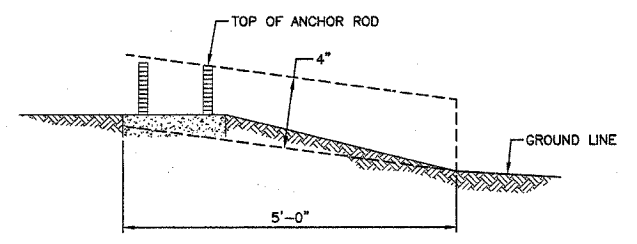
BILL OF MATERIALS				
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET				
QUAN.	MARK	SIZE	LENGTH	SHAPE
11	A	NO.3	5'-9"	○
6	B	NO.3	6'-8"	□
3	C	NO.6	5'-31/2'	—
8	G	NO.6	2'-1"	—
3	D	NO.7	13'-6"	—
2	E	NO.7	12'-0"	—
3	F	NO.7	9'-11"	—
REINFORCING BARS		LBS.	285	
CLASS X CONCRETE		CU.YDS.	1.7	
ANCHOR BOLTS		NO.	4	
ANCHOR BOLT PLATE NO.			1	



ELEVATION

LIGHT POLE FOUNDATION (TYPICAL)

TYPE OF SOILS		EMBEDMENT *(SEE NOTE ABOVE)			
DESCRIPTION	STANDARDS	MOUNTING HEIGHT			
		30 FT.	35 FT.	40 FT.	47.5 FT.
SOFT CLAY	Qu = .25-.50 T/FT. 2	9'-0"	9'-8"	10'-6"	14'-0"
MEDIUM CLAY	Qu = .50-1.0 T/FT. 2	6'-6"	7'-0"	7'-6"	10'-0"
DENSE CLAY	Qu = 1.0-2.0 T/FT. 2	5'-6"	6'-0"	6'-6"	8'-6"
LOOSE SAND	N = 4-10	7'-0"	7'-8"	8'-4"	11'-0"
MEDIUM SAND	N = 10-30	6'-0"	6'-6"	7'-3"	9'-6"
DENSE SAND	N = 30-50	5'-6"	6'-0"	6'-6"	8'-6"



FOUNDATION EXTENSION DETAIL

NOTE:
THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4") ABOVE THE FINISHED GRADE WITHIN A 1.5M (60") CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. SEE FOUNDATION EXTENSION DETAIL.

MFT SECTION 06-00173-00-LT

ROBINSON ENGINEERING, LTD.
CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-6700 FAX (708) 331-3829
© COPYRIGHT 2006 ILLINOIS DESIGN FIRM REGISTRATION NO. 164001128

F.A.P. ROUTE 344
1277H STREET @ MAPLE ROAD
STREET LIGHTING
DETAILS

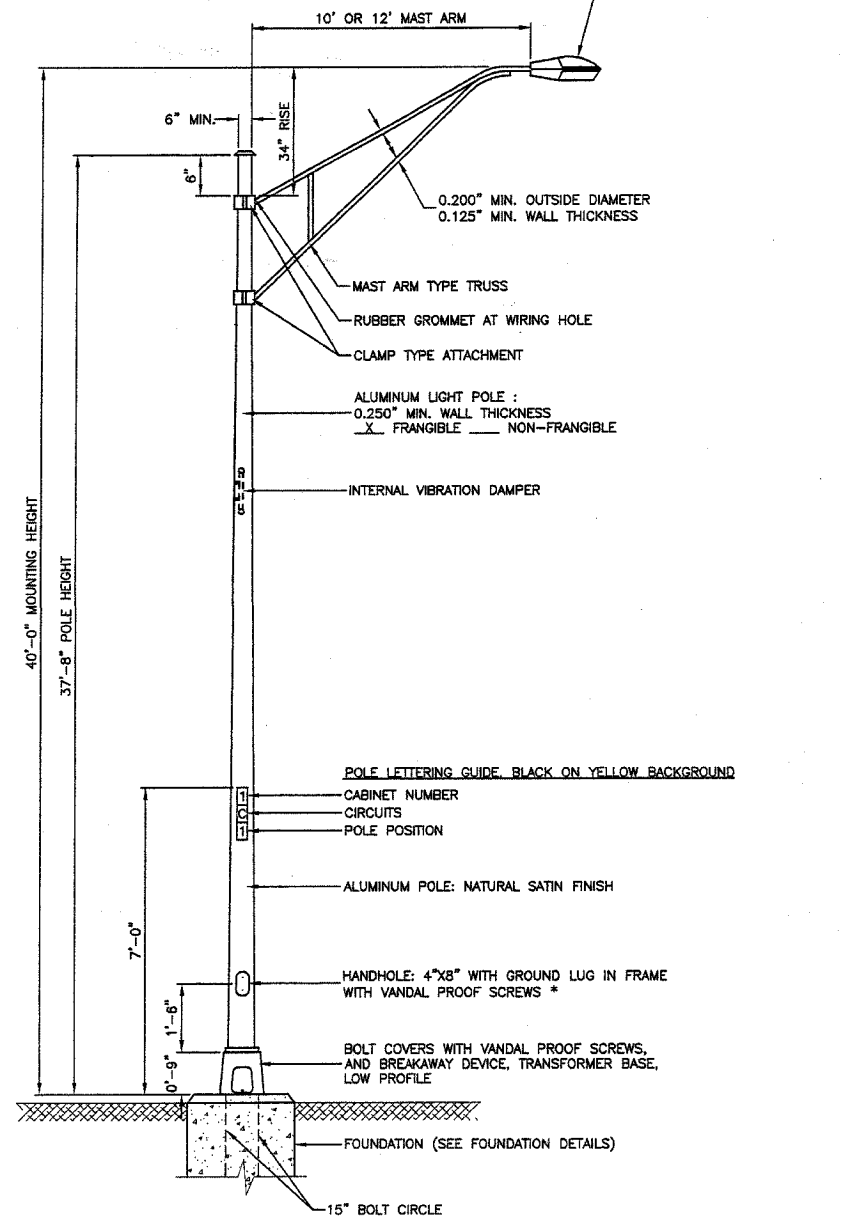
BLUE ISLAND, ILLINOIS

Drawn by: RG Date: 11/27/06
Checked by: PAP Scale: NONE
Sheet: of Project No. 06-688

REVISIONS		
No.	Date	Remarks

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	44
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

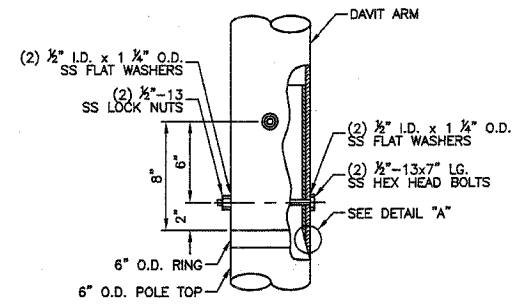
LUMINAIRE:
 250 WATT OR 400 WATT HIGH PRESSURE SODIUM LAMP
 240 VOLT BALLAST
 I.E.S. TYPE: MC III OR MC II LIGHT DISTRIBUTION
 LENS TYPE: FLAT
 INITIAL LAMP LUMENS: 28,000 OR 50,000
 LAMP LIFE: 24,000 HOURS



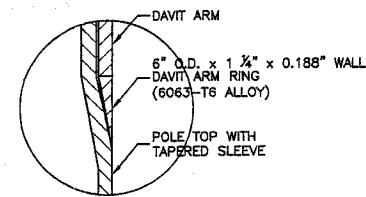
- NOTES:**
1. THE LIGHTING UNITS SHALL MEET AASHTO DESIGN CRITERIA. DESIGN FOR 90 M.P.H. WIND WITH 50% GUST AND 75 POUND LUMINAIRE HAVING AN E.P.A. OF 1.6 SQ. FT. AND PROPER ICE LOADING.
 2. ALUMINUM ALLOY 6063-T6 SHALL BE USED.

TYPICAL POLE INSTALLATION (40' MH)

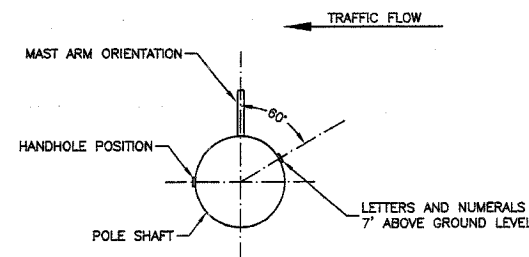
* - BUTTON HEAD SOCKET SET SCREW TYPE OF SCREWS PREFERRED FOR THIS APPLICATION



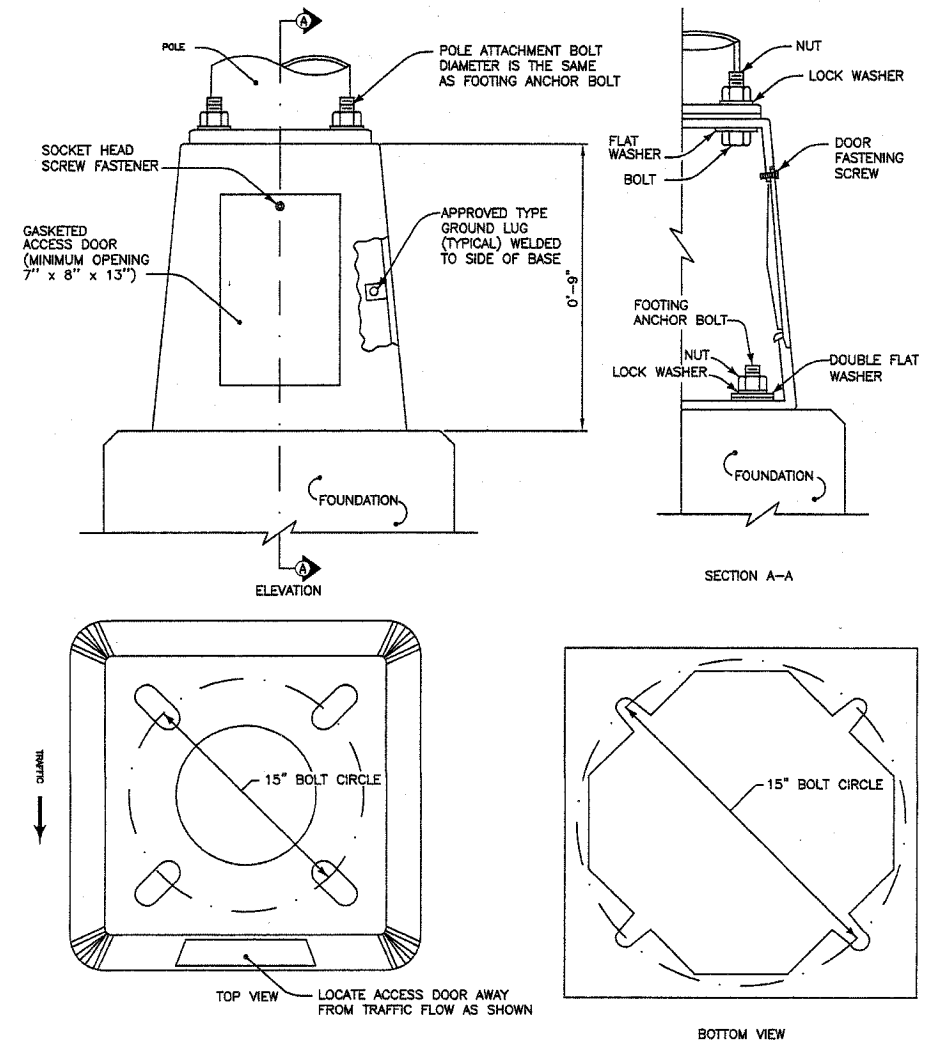
CONNECTION DETAIL



DETAIL "A"



POSITION OF HANDHOLE AND NUMERALS ON POLE



- TRANSFORMER BASE NOTES:**
1. THE DETAILS INDICATED HEREON ARE TYPICAL FOR A CAST ALUMINUM TRANSFORMER BASE. ALTERNATE DESIGNS MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
 2. ALL DIMENSIONS SHALL MEET AASHTO STANDARDS.
 3. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2002 IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 4. ALL MATERIALS, COMPONENTS AND EQUIPMENT SHALL BE U.L. LISTED.

BREAKAWAY TRANSFORMER BASE DETAIL

MFT SECTION 06-00173-00-LT

ROBINSON ENGINEERING, LTD.
 CONSULTING REGISTERED PROFESSIONAL ENGINEERS
 AND PROFESSIONAL LAND SURVEYORS
 1700 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 331-6700 FAX (708) 331-3525

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 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

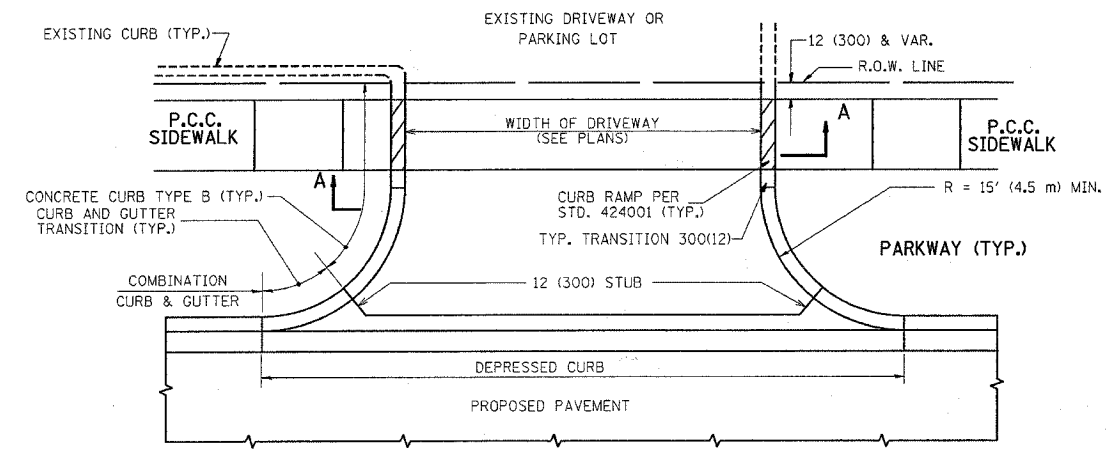
F.A.P. ROUTE 344
 127TH STREET @ MAPLE ROAD
 STREET LIGHTING
 DETAILS

BLUE ISLAND, ILLINOIS

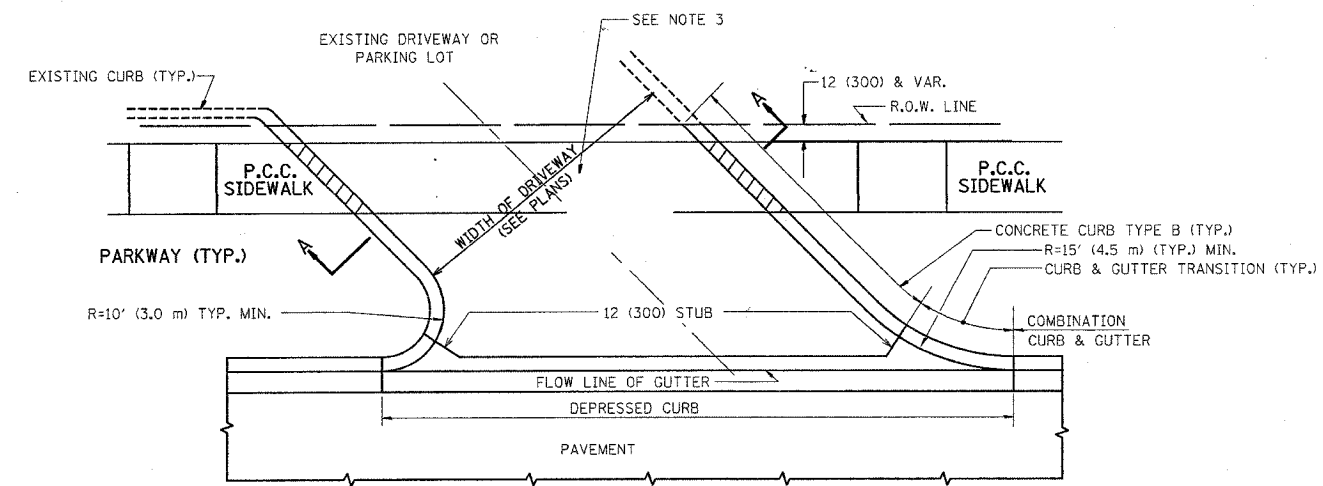
Drawn by: RG Date: 11/27/06
 Checked by: PAP Scale: NONE
 Sheet of Project No. 06-688

REVISIONS		
No.	Date	Remarks

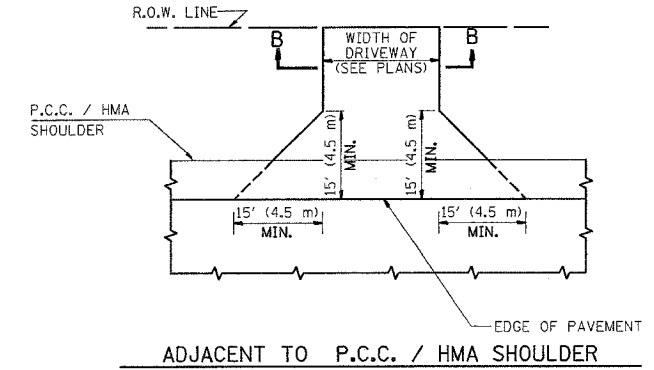
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



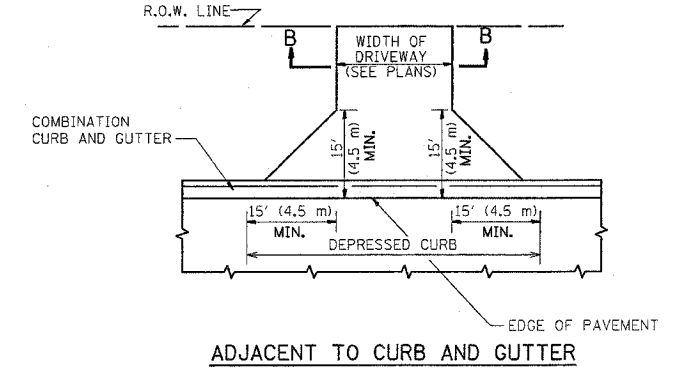
WITH CONCRETE CURB, TYPE B



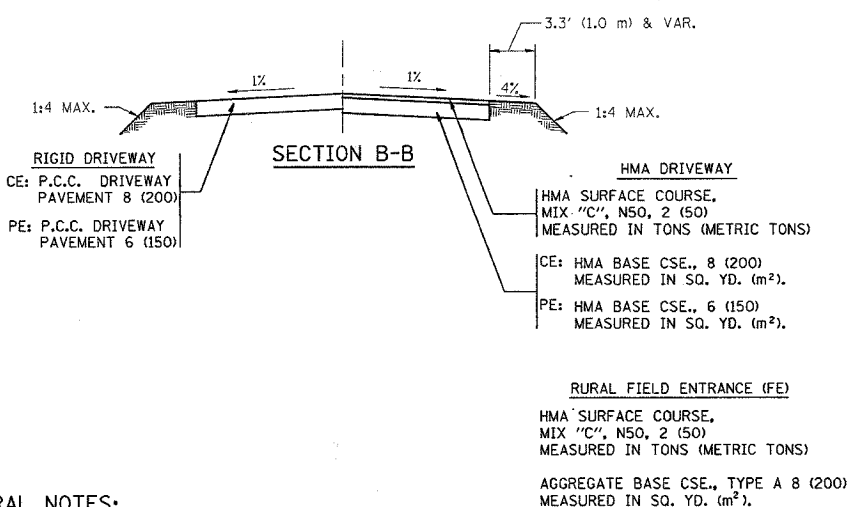
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

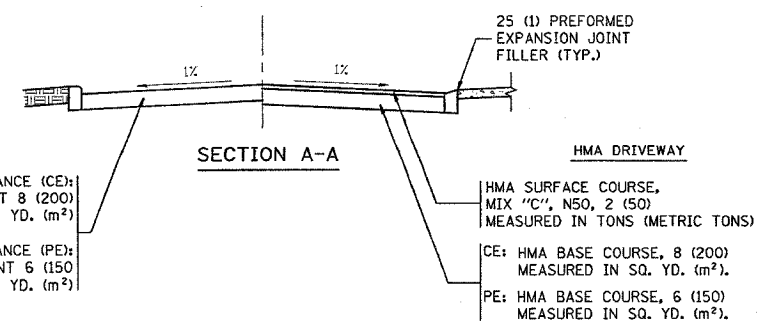
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "C", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²).
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

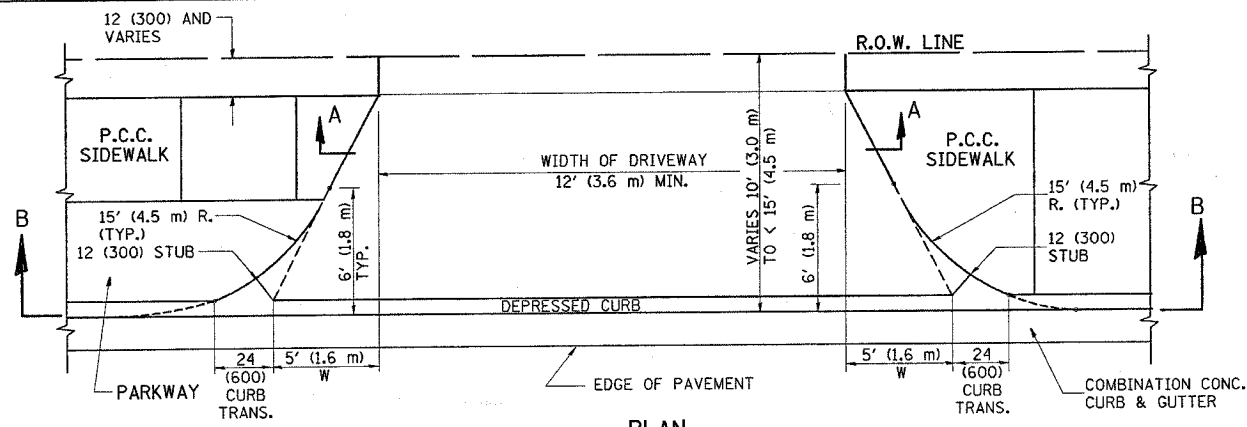
REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. L'FLEUR	04-15-03
R. BORO	01-01-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
 DISTANCE BETWEEN R.O.W. AND
 FACE OF CURB & EDGE OF
 SHOULDER >= 15' (4.5 m)

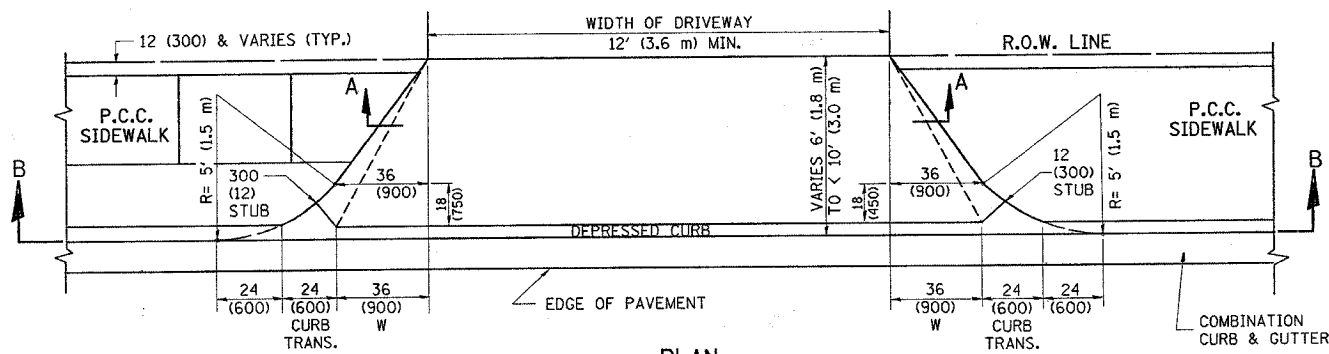
SCALE: VERT. NONE
 HORIZ. 1"=30'
 PLOT DATE: 1/3/2007
 DRAWN BY
 CHECKED BY

PLOT DATE = 1/3/2007
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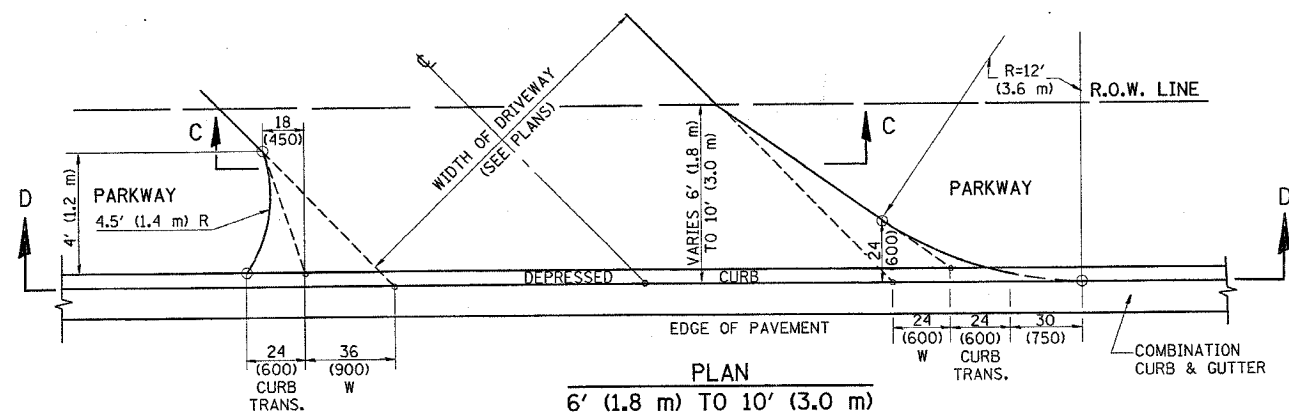
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	46
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



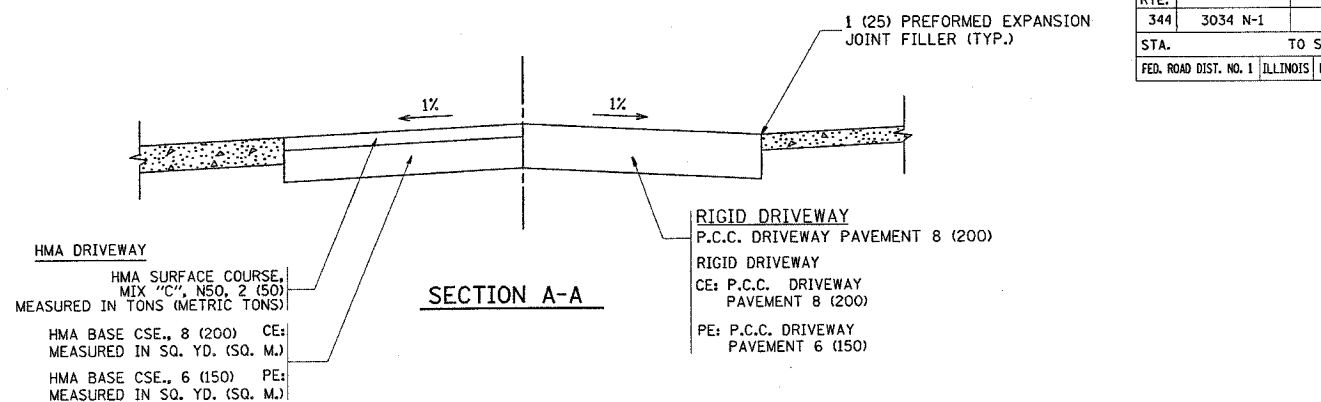
PLAN
10' (3.0 m) TO < 15' (4.5 m)



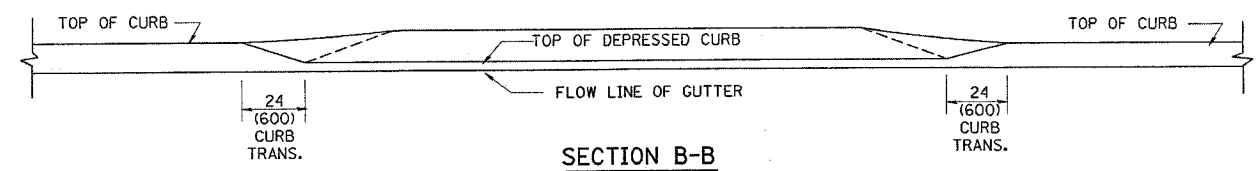
PLAN
6' (1.8 m) TO < 10' (3.0 m)



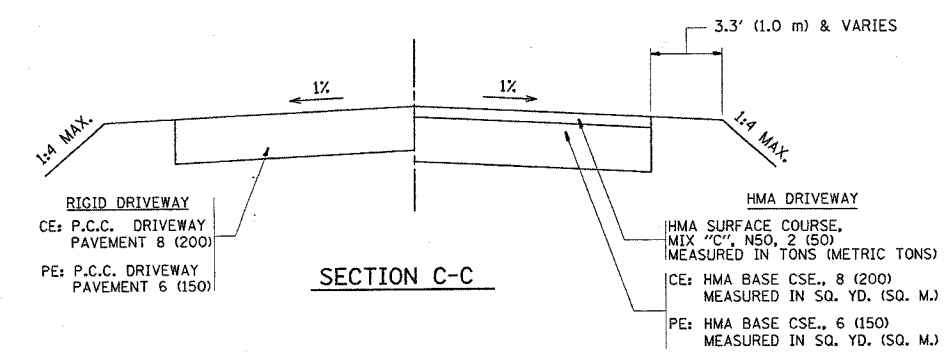
PLAN
6' (1.8 m) TO 10' (3.0 m)



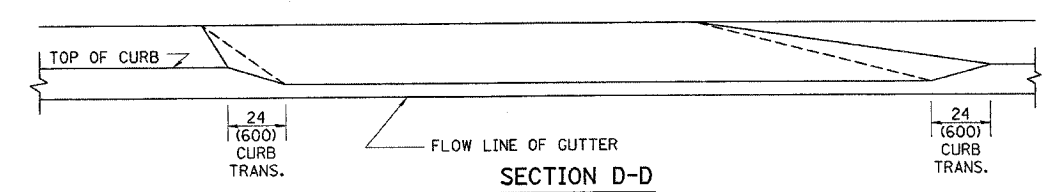
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

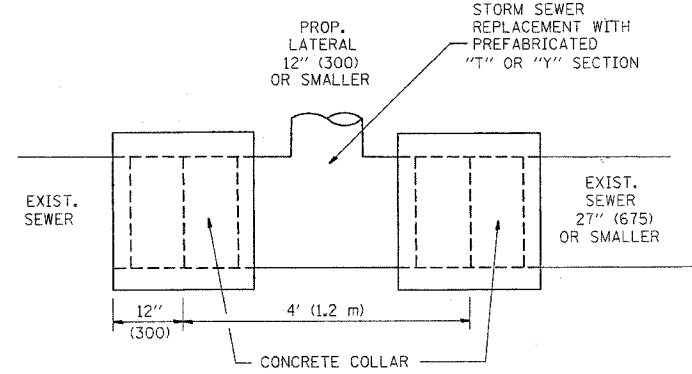
REVISIONS	
NAME	DATE
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97
M. GOMEZ	04/06/01
P. LOFLEUR	04/15/03
R. BORO	01/01/07

SCALE: VERT. HORIZ.
DATE PLOTTED: 1/3/2007

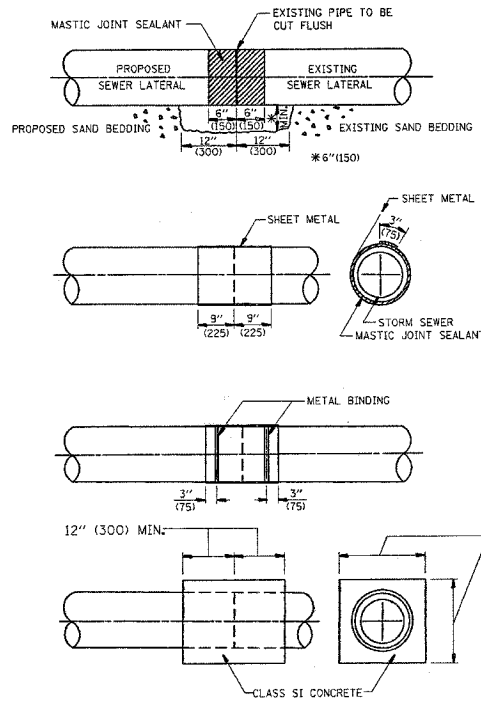
DRAWN BY
CHECKED BY

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USER NAME = drveloign

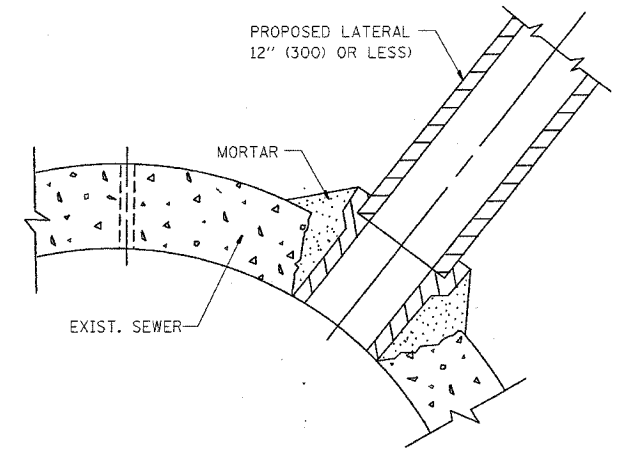
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	47
STA.			TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR



DETAIL "C"
PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" X 6" (300 X 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1:1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
- A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/93
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

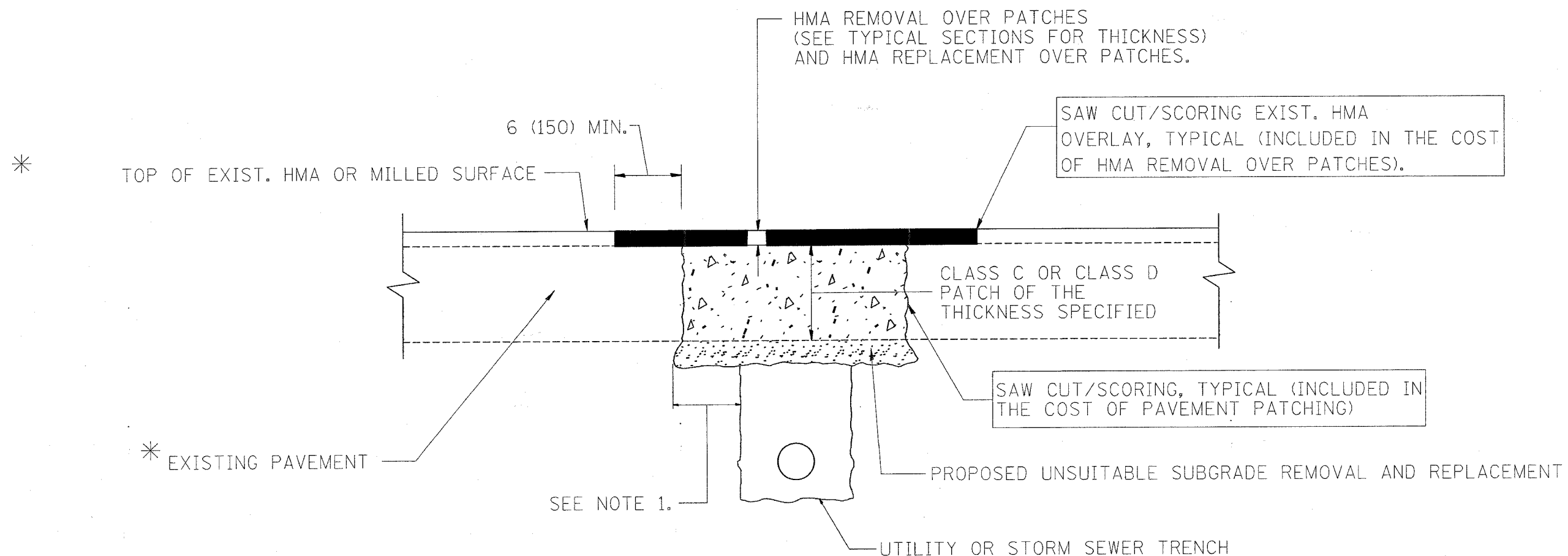
ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: VERT. HORIZ. DATE: 1/3/2007

DRAWN BY CHECKED BY

BD500-01 (BD-7)
REVISION DATE: 06/12/96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	48
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

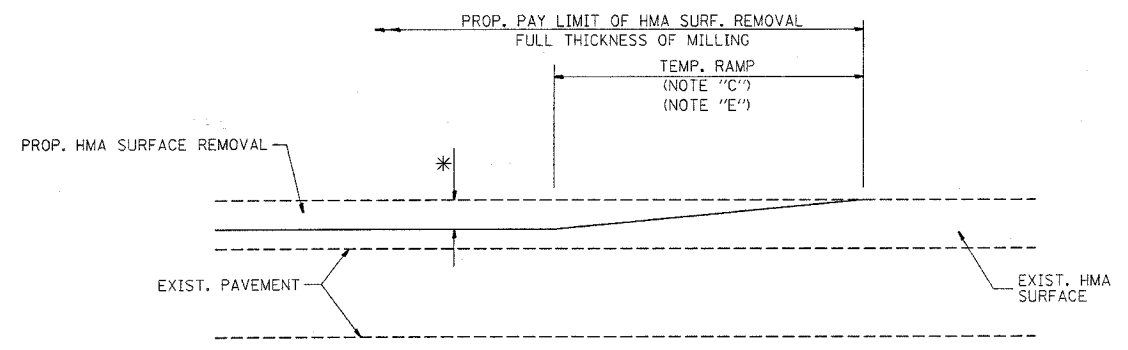
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT. NONE
HORIZ. 1/3/2007

DRAWN BY
CHECKED BY
BD400-04 (BD-22)
REVISION DATE: 01/01/07

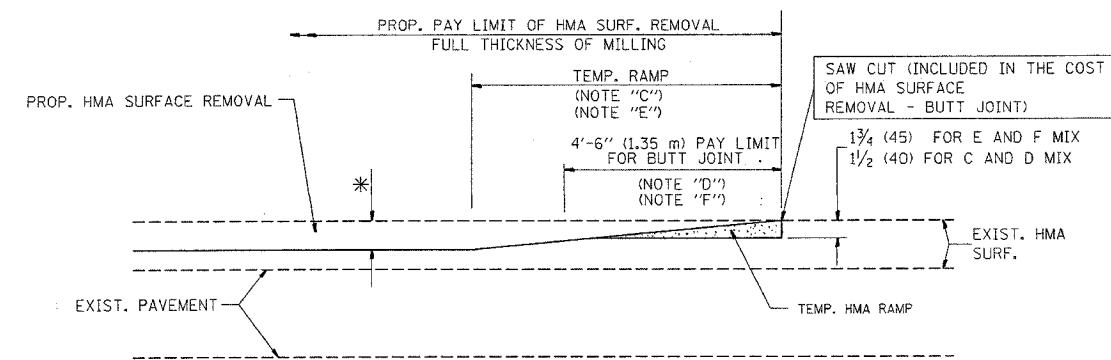
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USER NAME = rborog

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	49
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



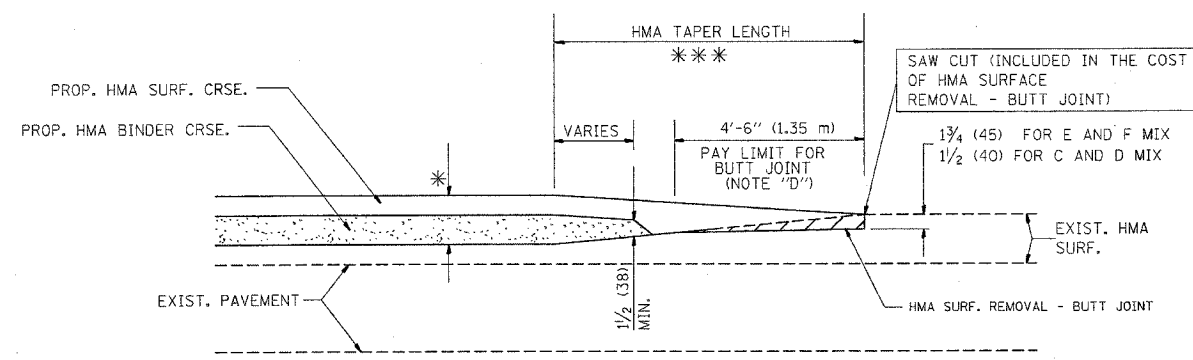
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

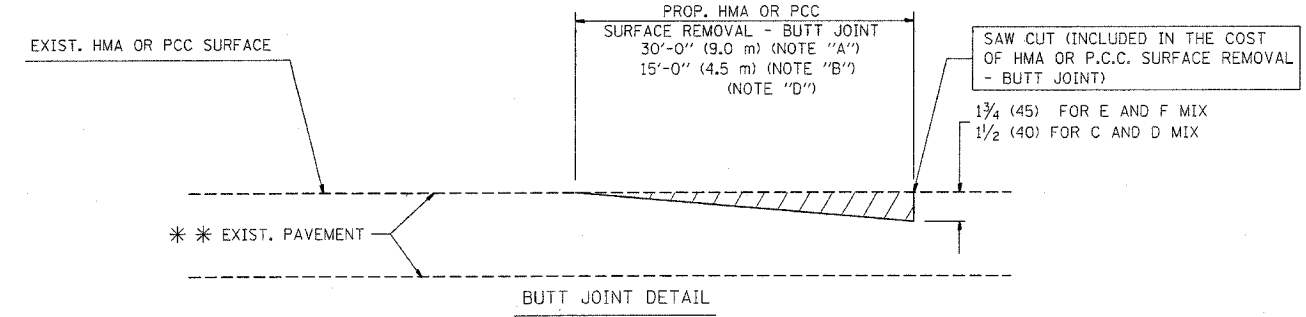


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

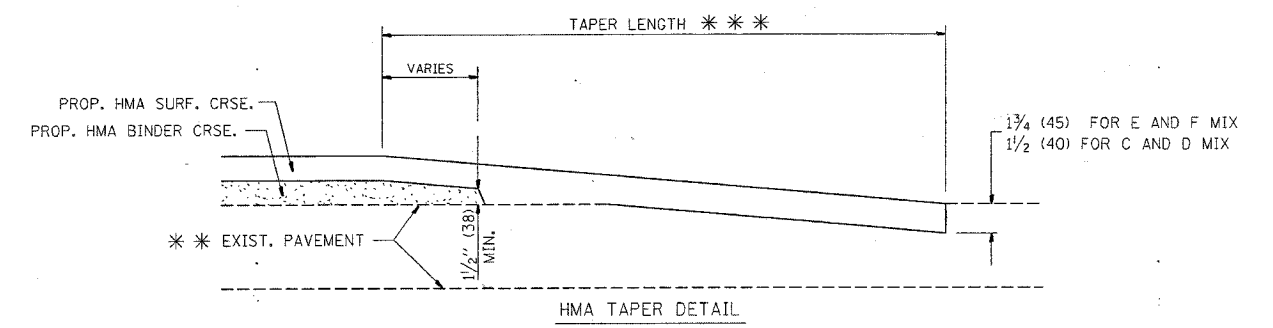
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

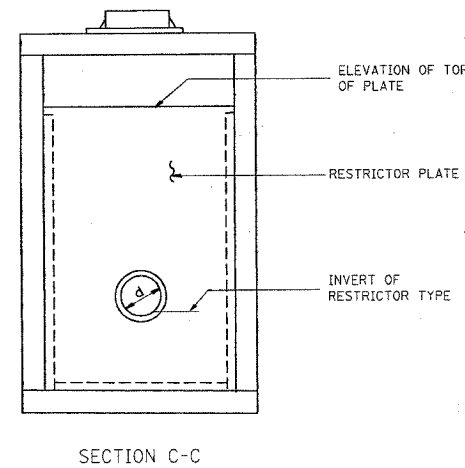
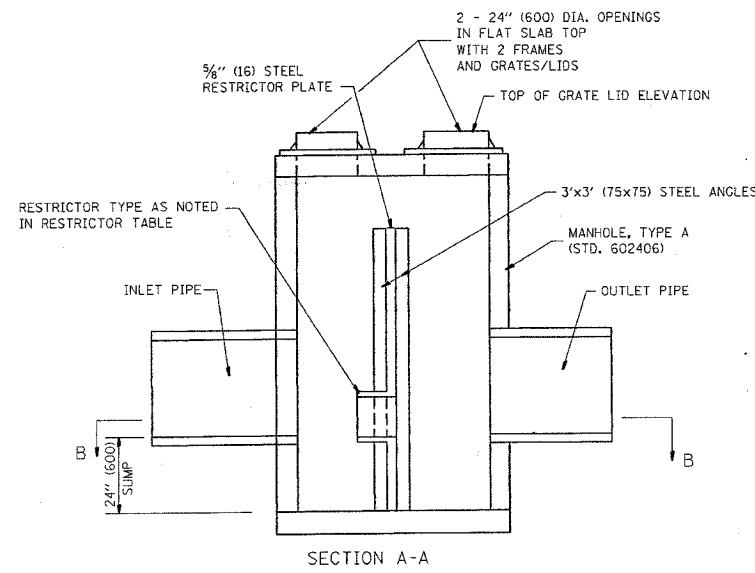
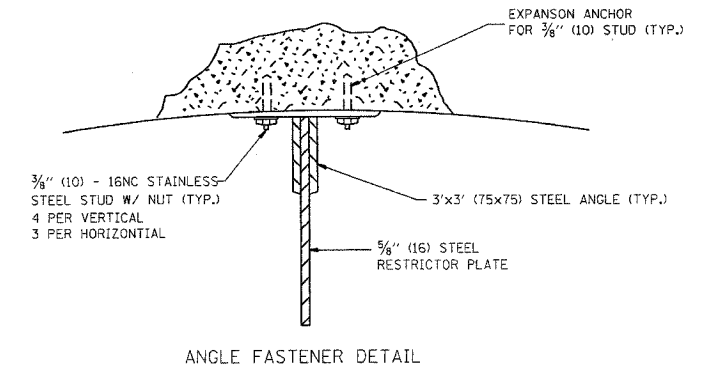
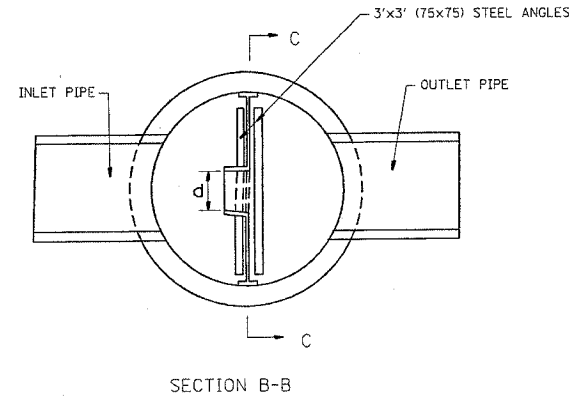
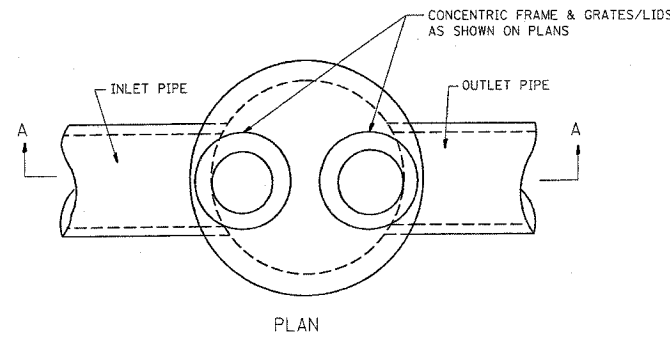
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SCALE: VERT. NONE
HORIZ. NONE
PLOT DATE: 1/3/2007

DRAWN BY
CHECKED BY
BD400-05 (VI-BD32)
REVISION DATE: 01/01/07

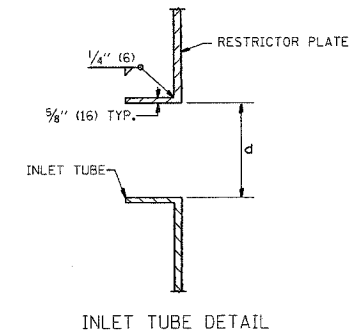
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 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = drvakogin

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

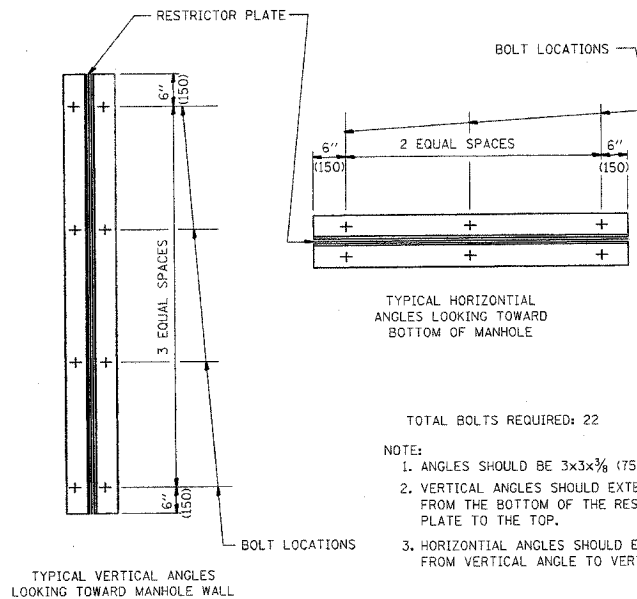


NOTES:

- ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
- ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
- BASIS OF PAYMENT: "MANHOLES, TYPE A, 60" (1525)-DIAMETER, TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER mm (In.) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
96+29	4'	TYPE I (CL)	* SHARP	9"	629.50	631.30
24' LT			EDGED			100 YR. HGL = 631.75
106+10	4'	TYPE I (CL)	* SHARP	9"		628.00
24' LT			EDGED			100 YR. HGL = 628.41



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	08/28/00
M. GOMEZ	01/08/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

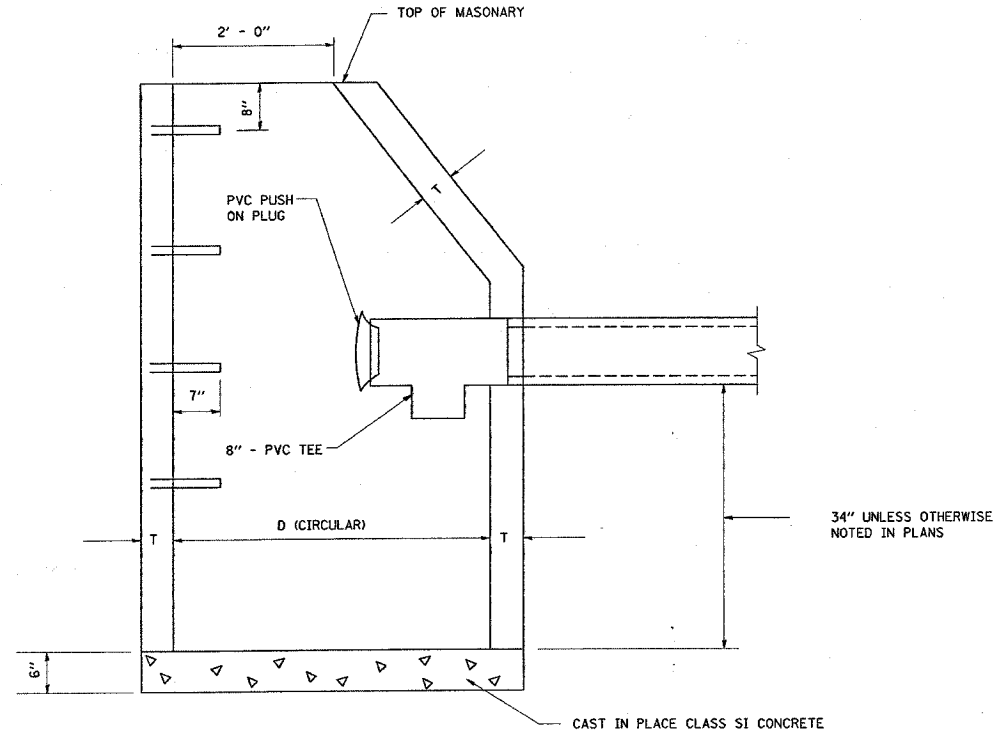
SCALE: VERT. HORIZ. DATE: 1/3/2007

DRAWN BY CHECKED BY

BD600-04 (BD-12)

REVISION DATE: 01/08/01

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

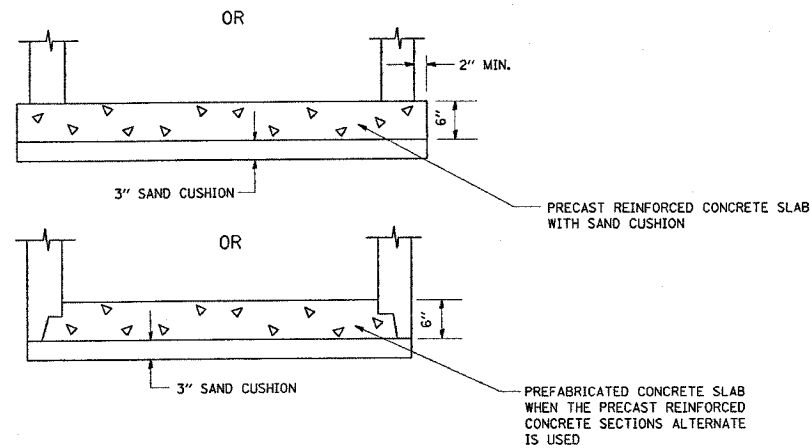
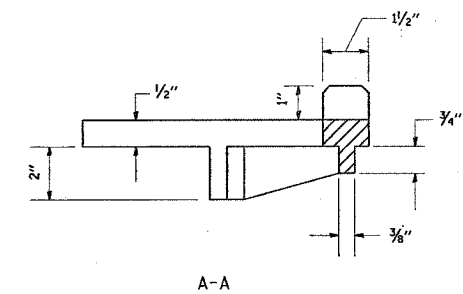
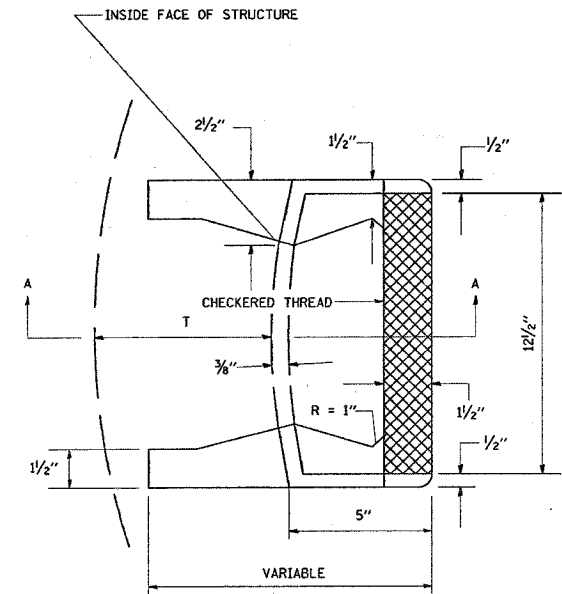


ALTERNATE MATERIALS FOR WALLS	D	C	T (MIN)
PRECAST REINFORCED CONCRETE SECTIONS	4' - 0"	2' - 6"	5"
	5' - 0"	3' - 9"	6"

* DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6".

** FOR OPTIONAL PRECAST CONCRETE FLAT SLAB TOP, REFER TO STANDARD 602601

*** THE CAST IRON AS DETAILED HEREON ARE TYPICAL STEPS OF THE OTHER DESIGN THAT WILL CONFORM TO THE MINIMUM REQUIREMENT OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.



CAST IRON STEPS

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ART. 602.08 OF THE STANDARD SPECIFICATIONS. STEPS SHALL BE EMBEDDED INTO WALL A MINIMUM OF 3". STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

IN ADDITION TO THE REQUIREMENTS OF ART. 602 OF THE STANDARD SPECIFICATIONS THE CONTRACT UNIT PRICE FOR CATCH BASIN, TYPE A SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS, AND FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL.

ALL CATCH BASINS SHALL BE 4' - 0" DIA. UNLESS OTHERWISE NOTED ON PLANS.

CATCH BASIN TYPE A

CITY OF BLUE ISLAND TYPICAL CATCH BASIN DETAIL

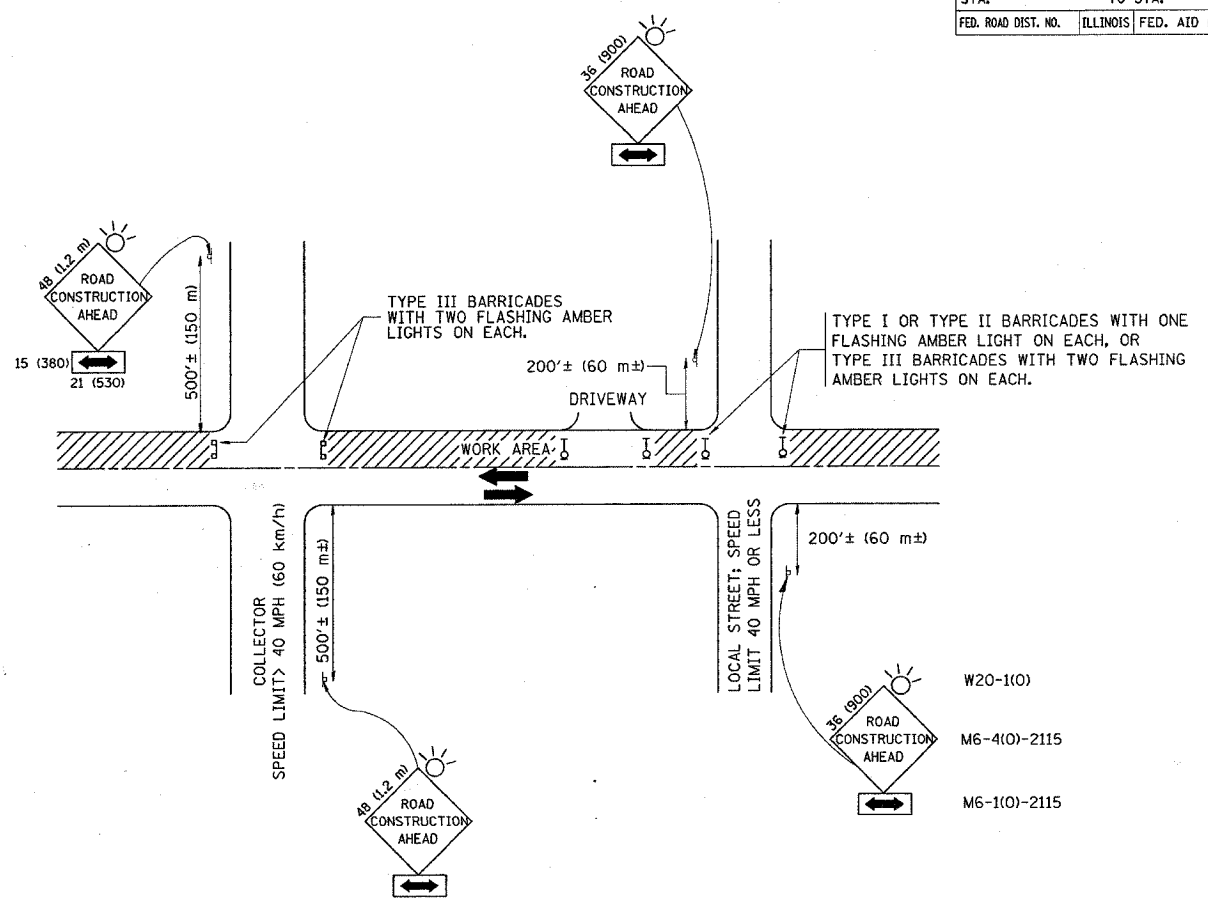
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
127TH ST. AT MAPLE AVENUE
CATCH BASIN TYPE "A"
CITY OF BLUE ISLAND DETAILS

SCALE: VERT. DRAWN BY
HORIZ. CHECKED BY
DATE: 07-24-06

PLOT DATE = 1/12/2007
 FILE NAME = c:\pvc\catchbasin\100483\100483.dgn
 PLOT SCALE = 50.0000' / 1" IN.
 USER NAME = drivelogin

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	52
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

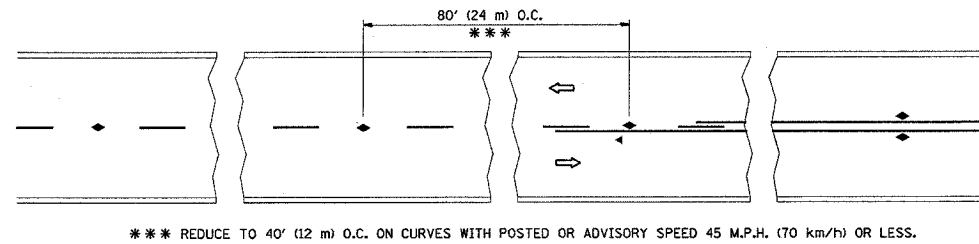
REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: DATE: 1/3/2007
 DRAWN BY: CHECKED BY: TC-10

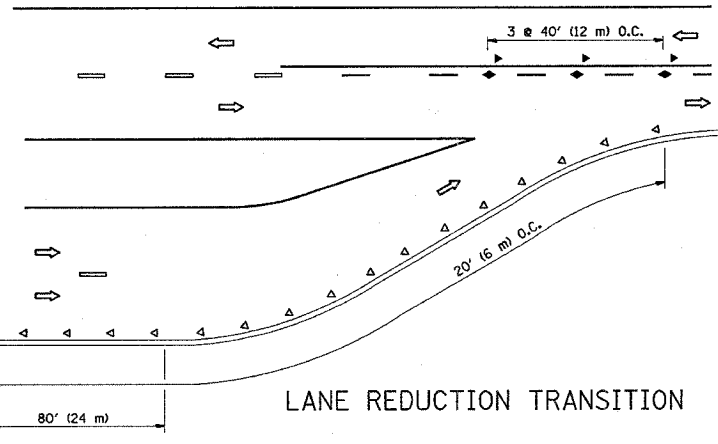
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 USER NAME = drvrkocgn

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

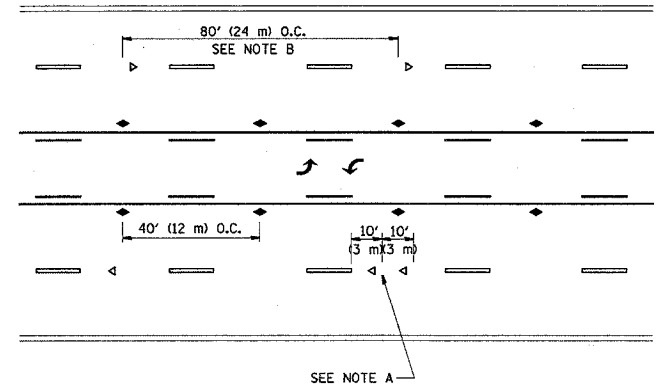


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

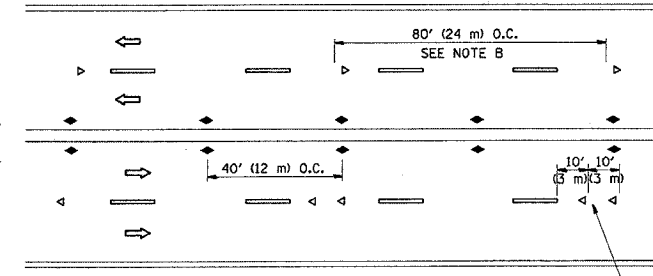
TWO-LANE/TWO-WAY



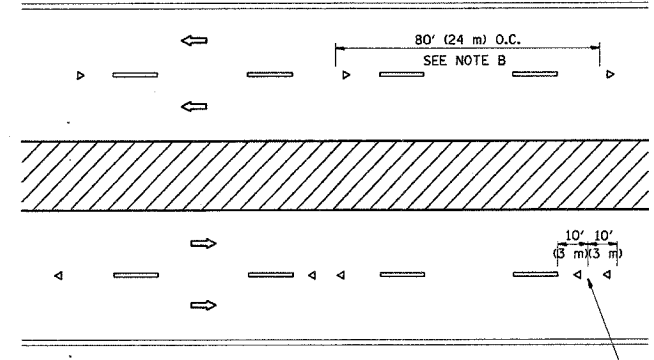
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

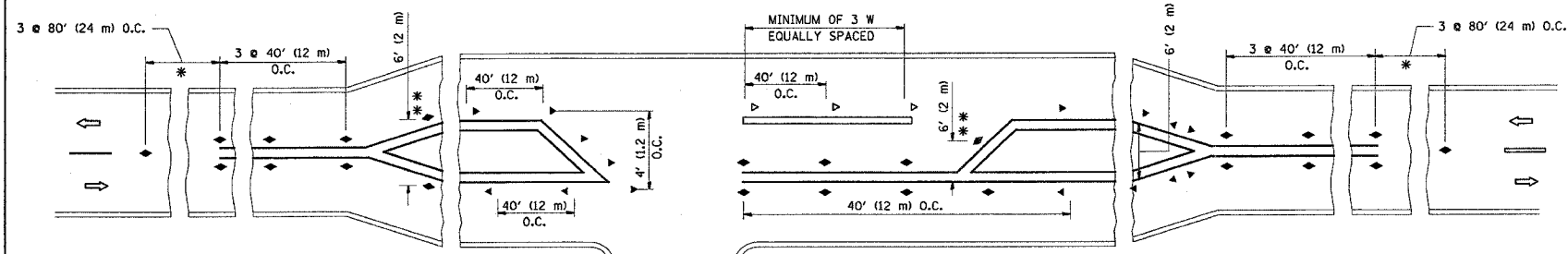
1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

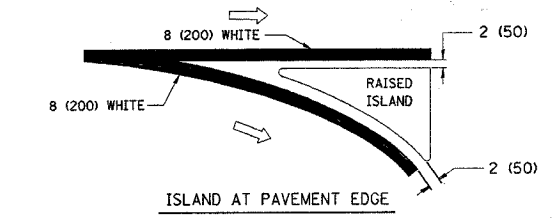
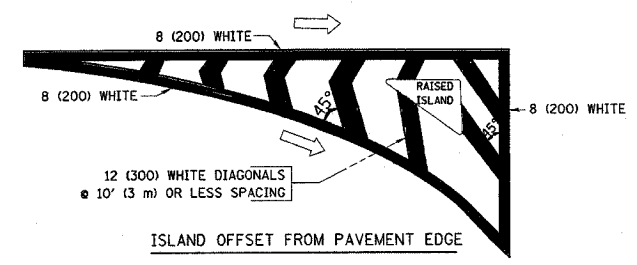
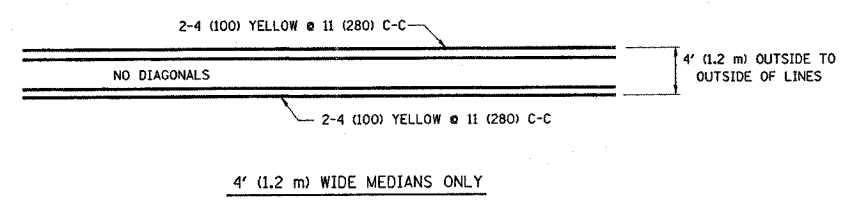
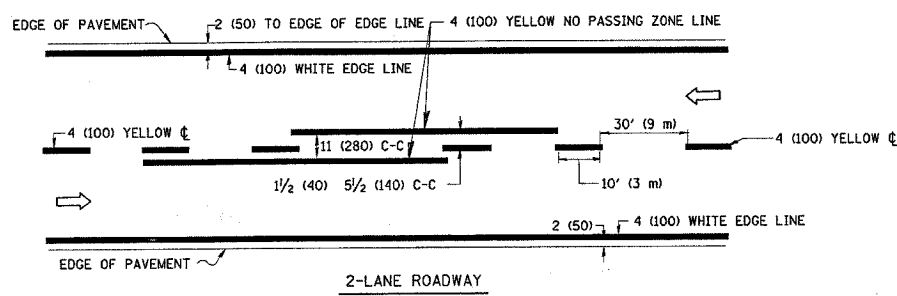
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

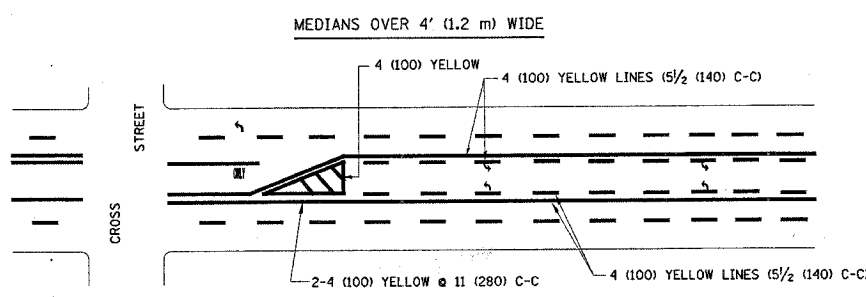
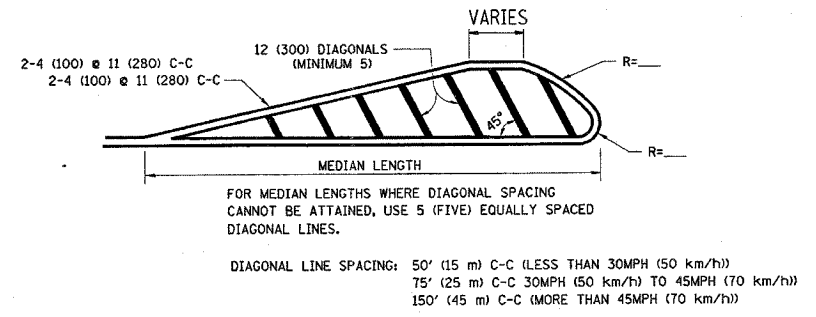
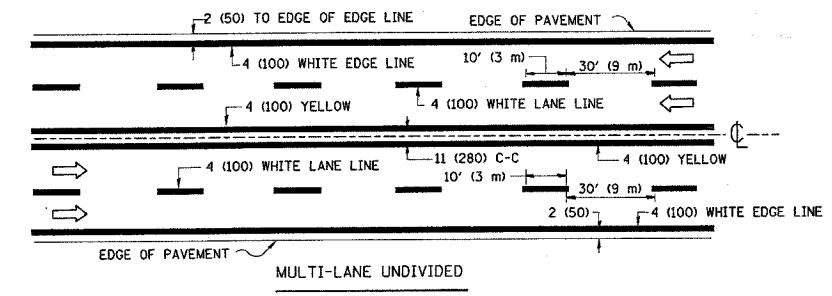
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 CHECKED BY TC-11

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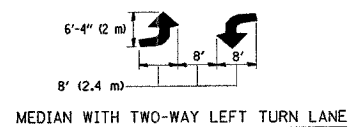
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
344	3034 N-1	COOK	71 54
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



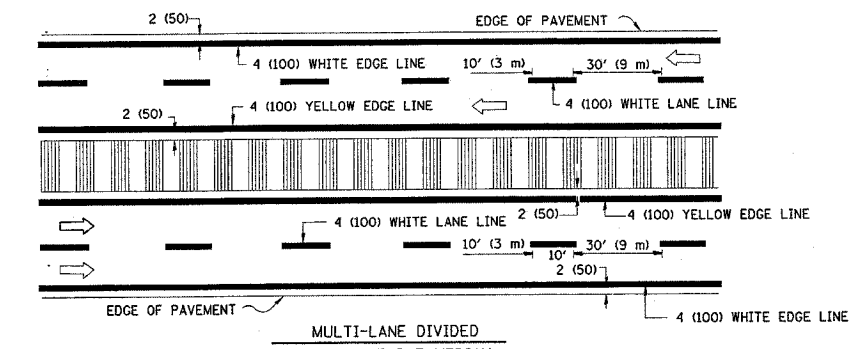
TYPICAL ISLAND MARKING



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

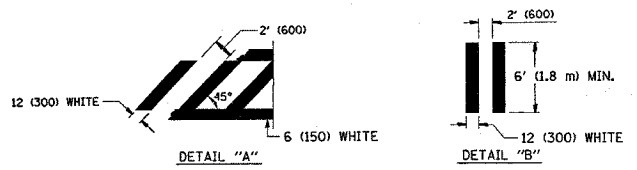
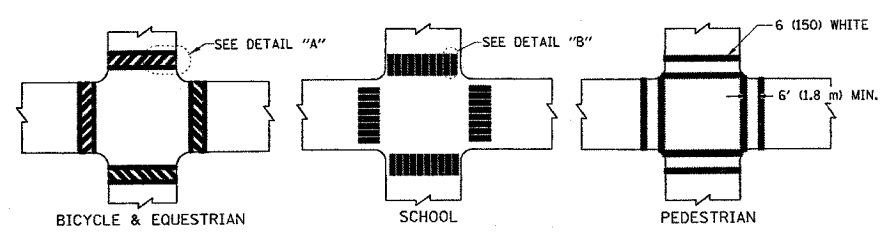


TYPICAL PAINTED MEDIAN MARKING

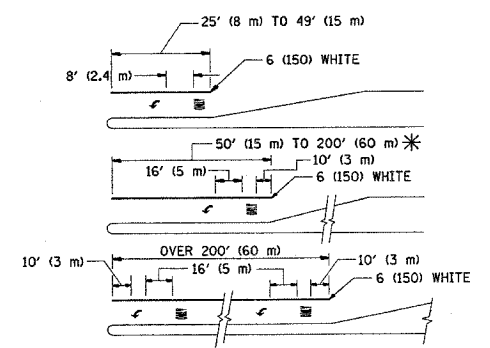


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	5 (125) ON FREEWAYS	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	2' (600) APART
A. DIAGONALS (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	
B. LONGITUDINAL BARS (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DATE: 1/3/2007

DRAWN BY CADD

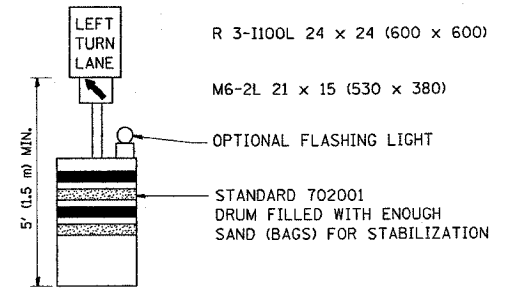
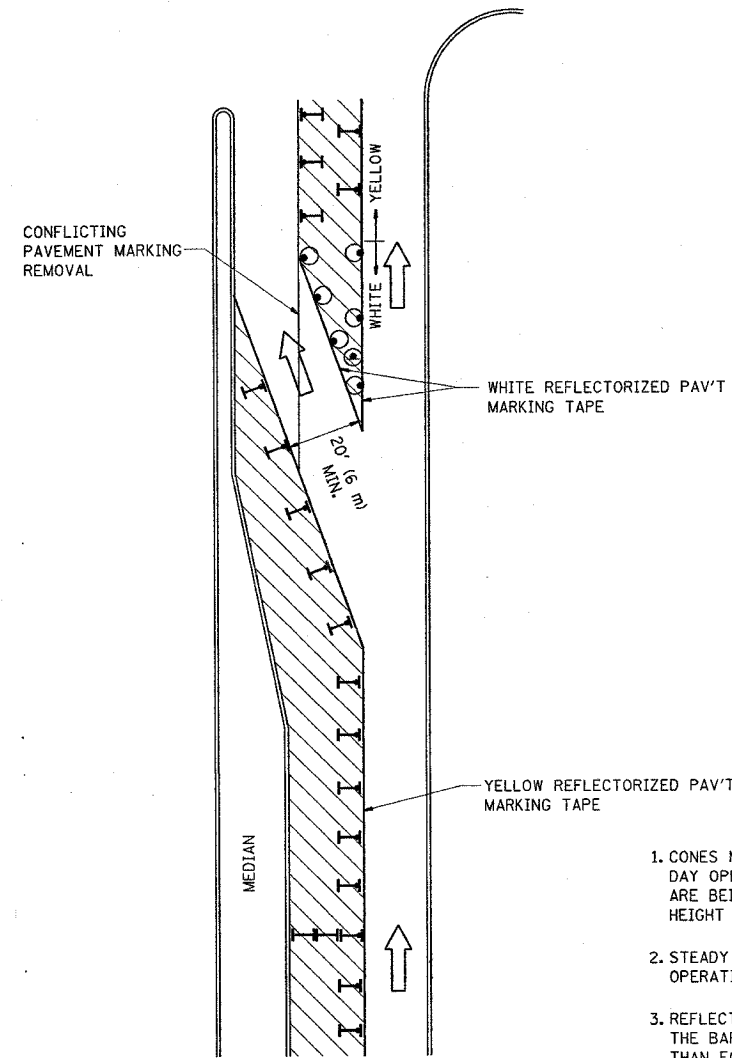
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TC-13

REVISION DATE: 01/06/00

PLOT DATE = 1/3/2007
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

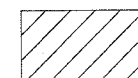







GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

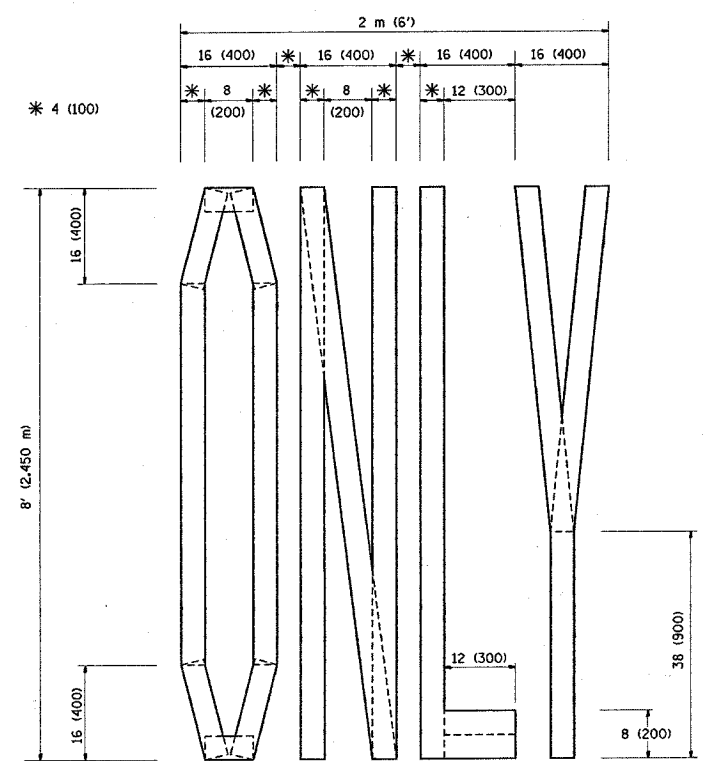
REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

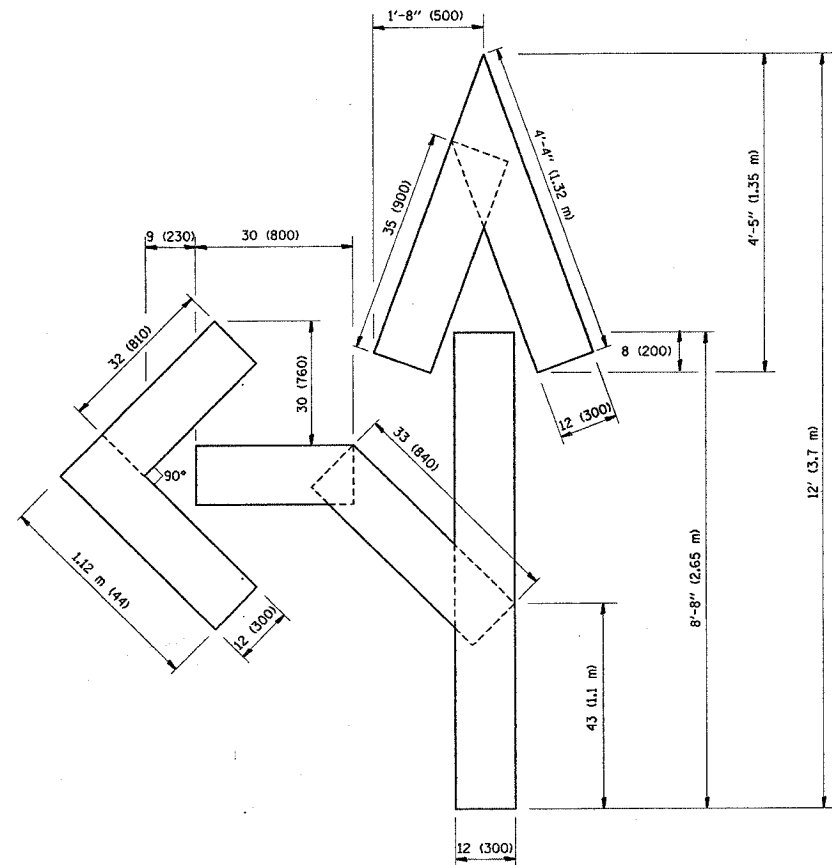
SCALE: NONE
 DATE: 1/3/2007

DRAWN BY
 CHECKED BY LHA
 TC-14
 REVISION DATE: 01/06/00

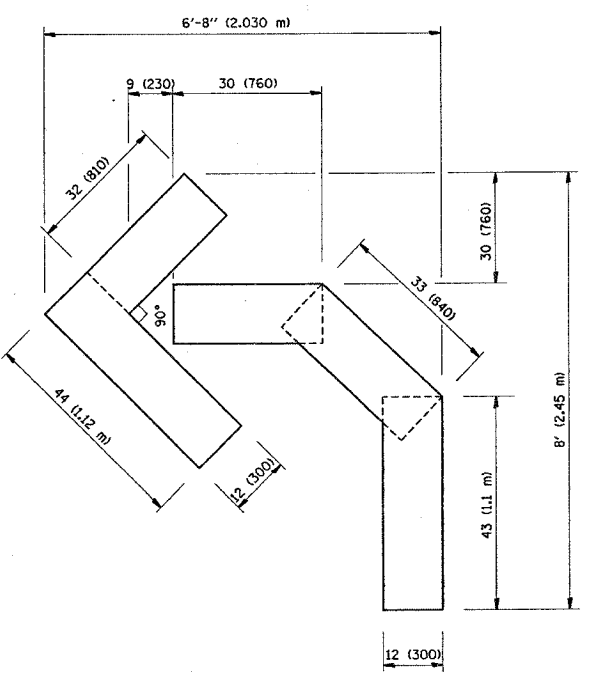
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	56
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

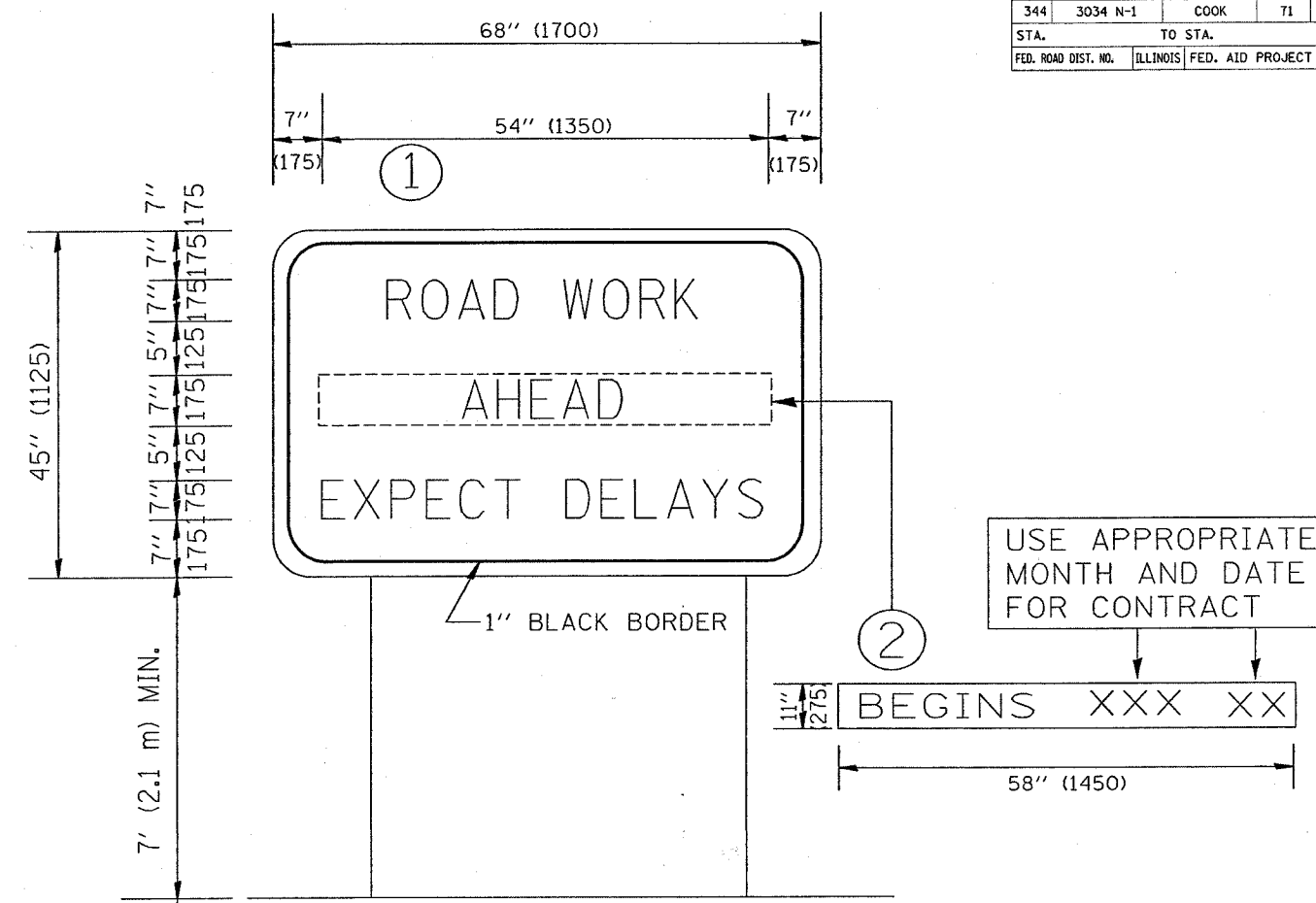
PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE
 DATE: 1/3/2007

DRAWN BY CADD
 CHECKED BY
 TC-16

PLOT DATE = 1/3/2007
 FILE NAME = n:\pavement\p106482\sh_dwg.dgn
 PLOT SCALE = 80.0000 / IN.
 USER NAME = drvrkrcgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	57
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMPORARY INFORMATION SIGNING

SCALE:
 DATE: 1/3/2007

DRAWN BY DESIGN
 CHECKED BY

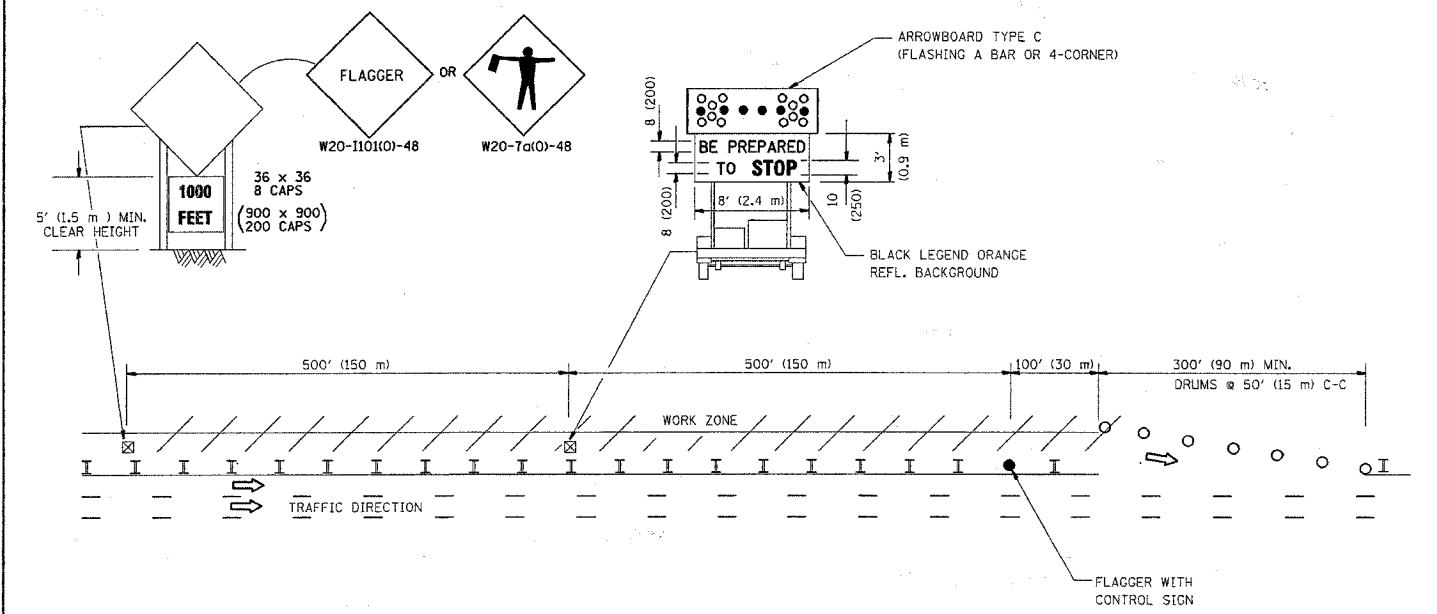
TC22
 REVISION DATE: 02/02/99

PLOT DATE = 1/3/2007
 FILE NAME = c:\projects\62719\ah_1.dwg
 PLOT SCALE = 50.0000 / 1"
 USER NAME = brvskdesign

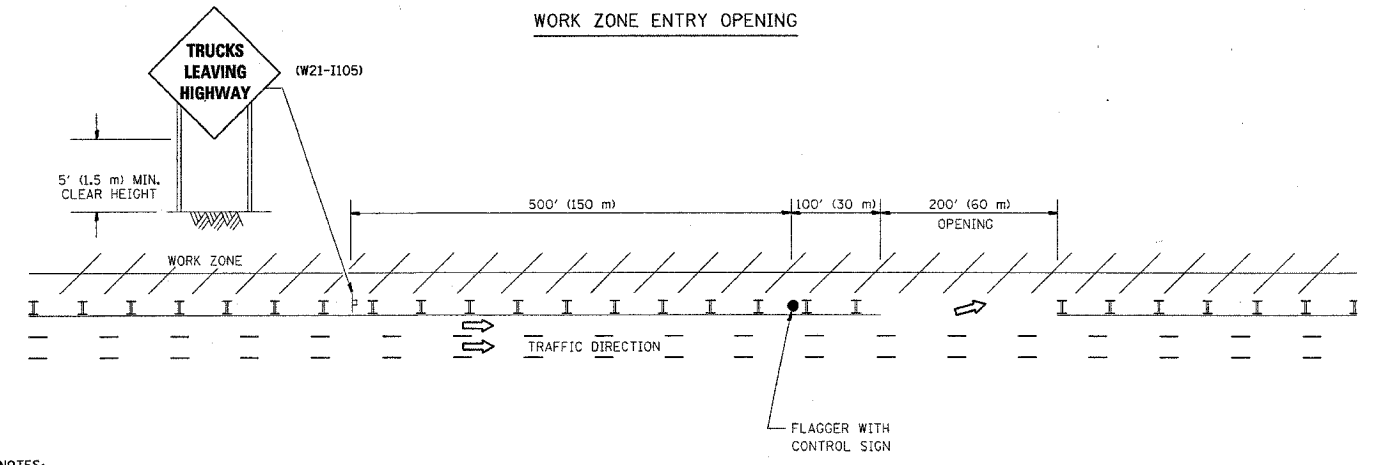
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	58
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

SCALE: NONE
DATE: 1/3/2007

DRAWN BY CADD
CHECKED BY TC-18

REVISION DATE: 02/28/06

PLOT DATE = 1/3/2007
FILE NAME = c:\pds\mst\c108483\sh_rdp.dgn
PLOT SCALE = 30.0000 / 1 IN.
USER NAME = drivekong

PLOT DATE = 1/2/2007
FILE NAME = c:\pva\pva\1274\1274\1274.dwg
PLOT SCALE = 1/8" = 1'-0"
USER NAME = d:\vsk\geogr

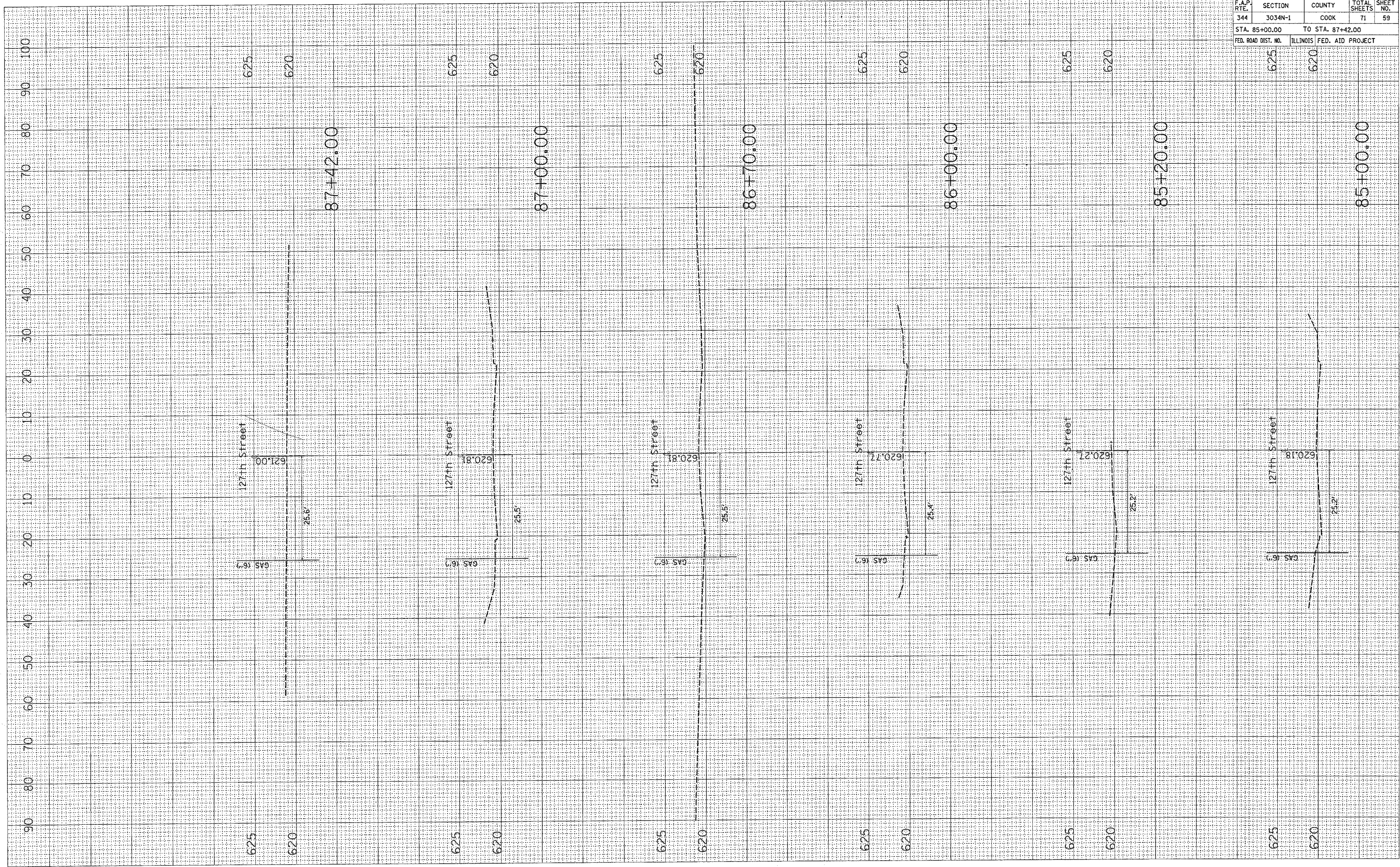
ORIGINAL SURVEY
SURVEYED BY
DATE

FINAL SURVEY
SURVEYED BY
DATE

NOTE BOOK
TEMPLATE
AREAS CHECKED

NOTE BOOK
TEMPLATE
AREAS CHECKED

CONTRACT NO. 62719			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
344	3034N-1	COOK	71
STA. 85+00.00		TO STA. 87+42.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
625	620		



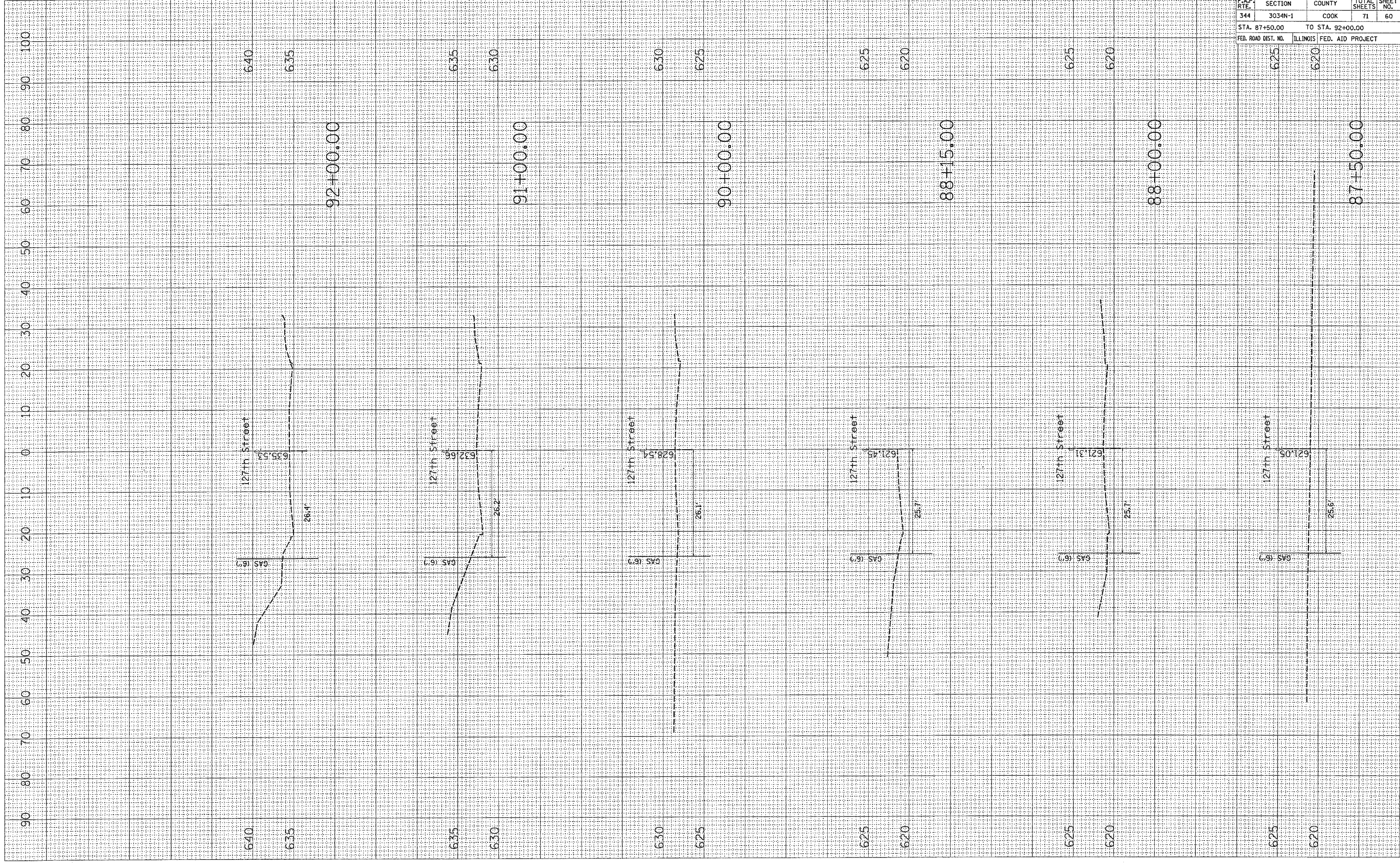
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100

PLOT DATE = 1/3/2007
 FILE NAME = c:\projects\1064103\127th.dwg
 PLOT SCALE = 10.0000' = 1" IN.
 USER NAME = drwlsgrgn

ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED

FINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED

BT DATE



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	60
STA. 87+50.00		TO STA. 92+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

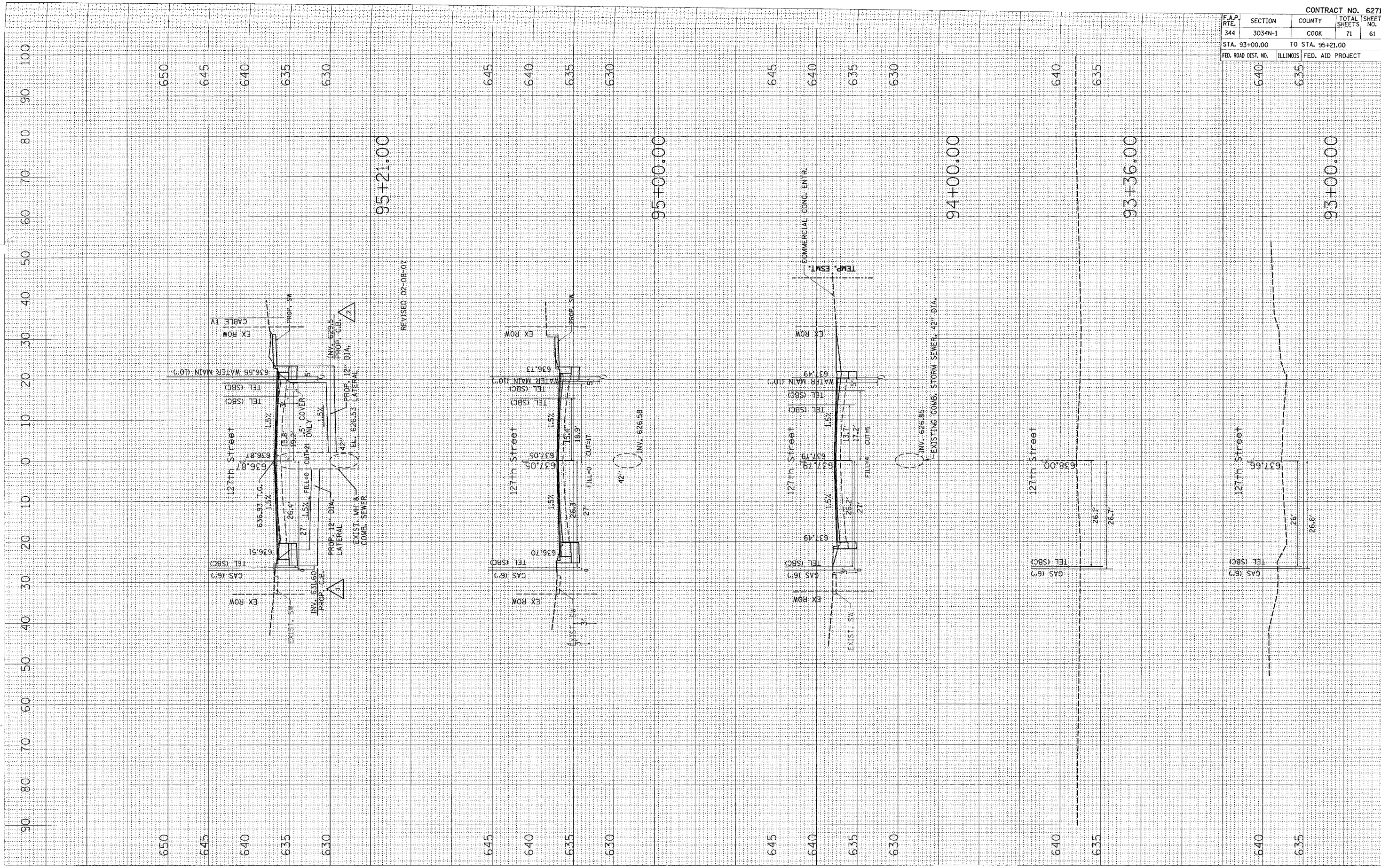
CONTRACT NO. 62719

SURVEYED
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED

SURVEYED
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED

PLOT DATE = 3/7/2007
 FILE NAME = s:\eng\proj\108043\127th_127th_127th.dwg
 USER NAME = shrvaknag

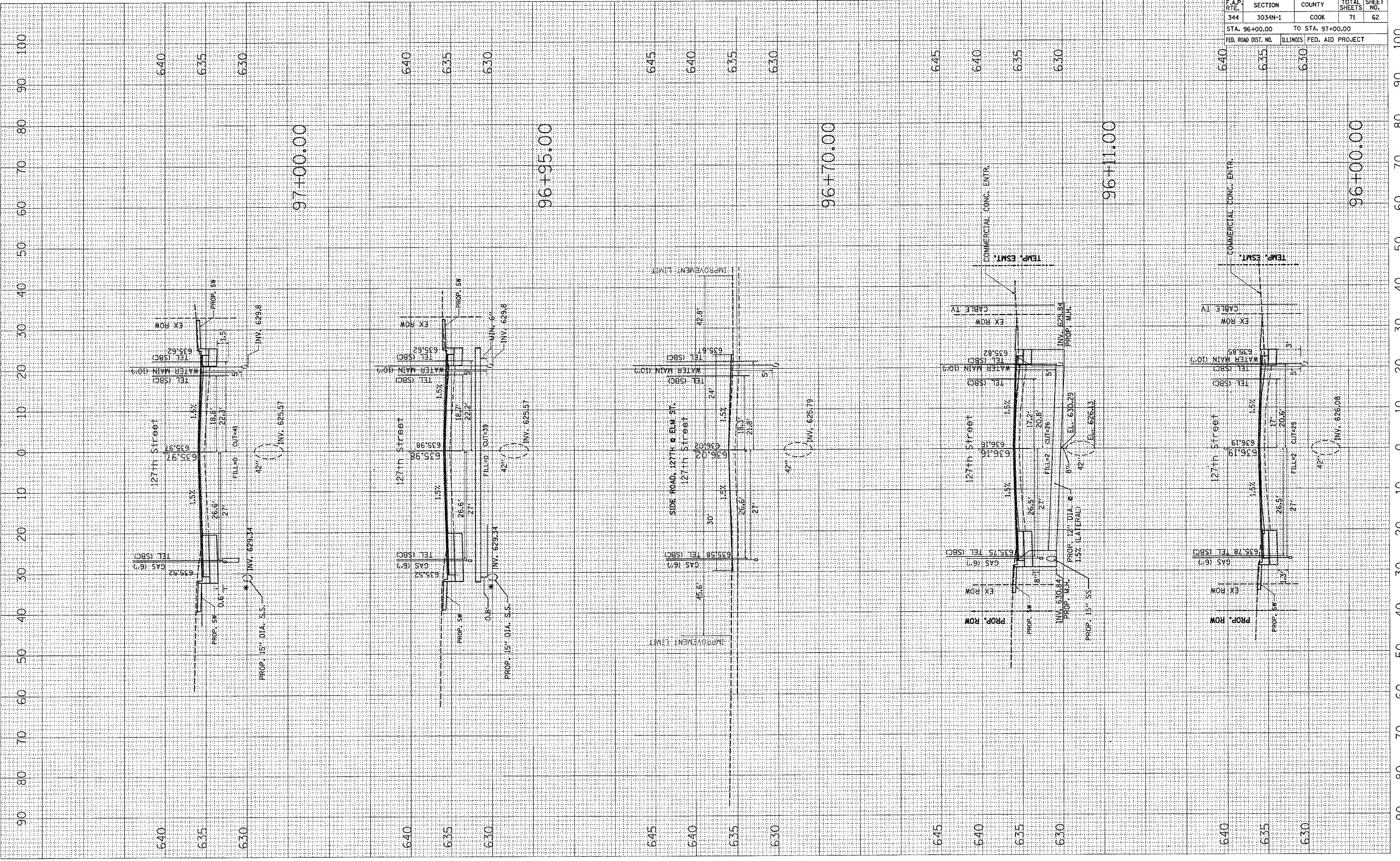
SURVEYED
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED



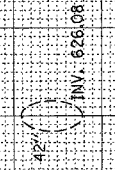
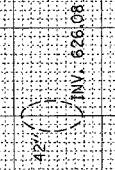
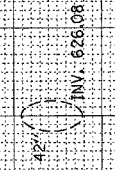
CONTRACT NO. 62719			
F.A.P. RT.	SECTION	COUNTY	TOTAL SHEET NO.
344	3034N-1	COOK	71
STA. 93+00.00		TO STA. 95+21.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
640	635	93+00.00	

PLOT DATE = 1/3/2007
 FILE NAME = c:\projects\p102483\127th.mxd
 PLOT SCALE = 10.0000 / IN.
 USER NAME = dr-walsh@p
 ORIGINAL SURVEY DATE
 SURVEY DATE
 SURVEYED BY
 SURVEY TEMPLATE
 SURVEY BOOK NO.
 SURVEY AREAS CHECKED

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



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	62
STA. 96+00.00		TO STA. 97+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

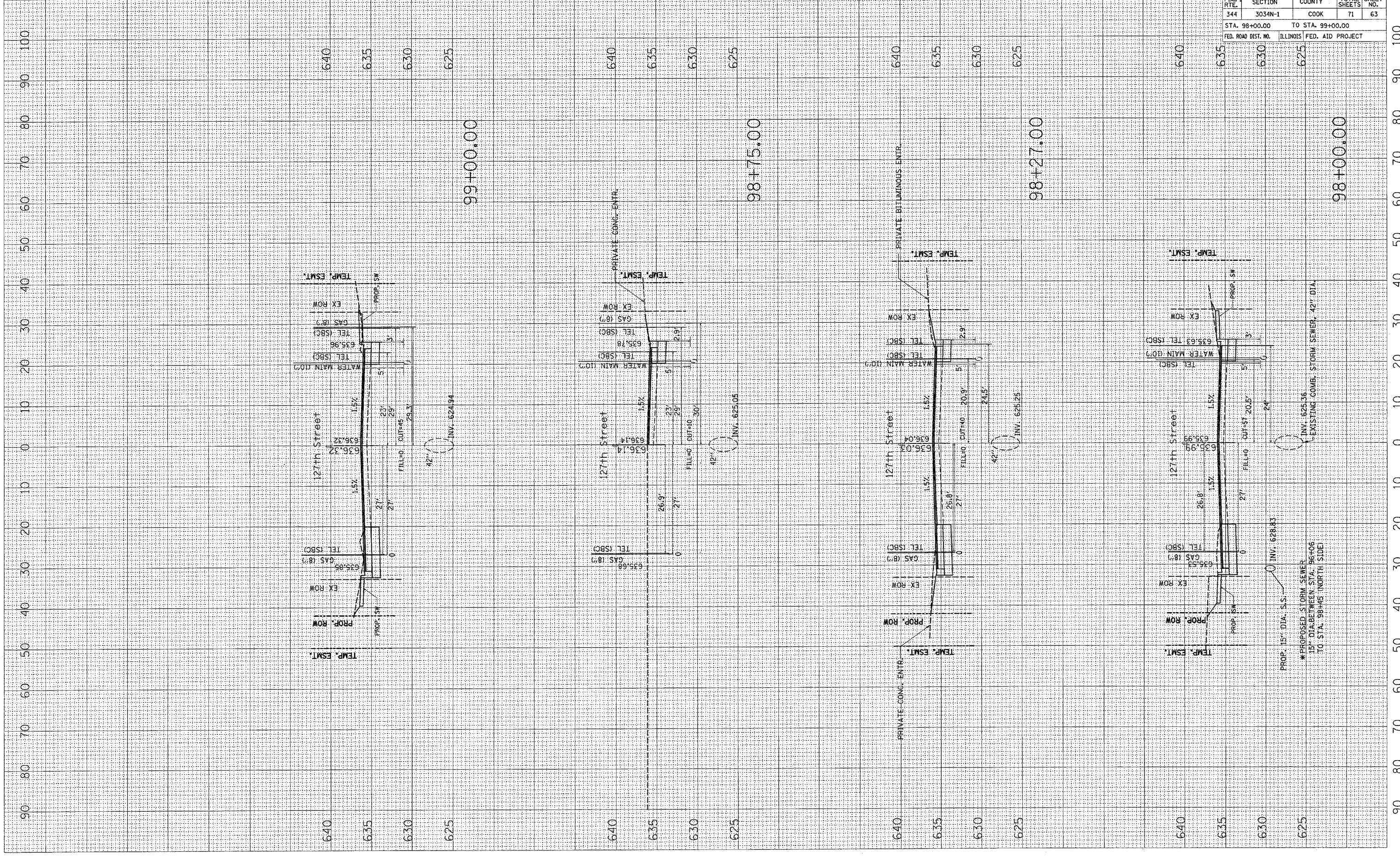


PLOT DATE = 1/2/2007
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = dr-wk

ORIGINAL SURVEYED PLOTTED TEMPLATE AREAS CHECKED

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

BY DATE



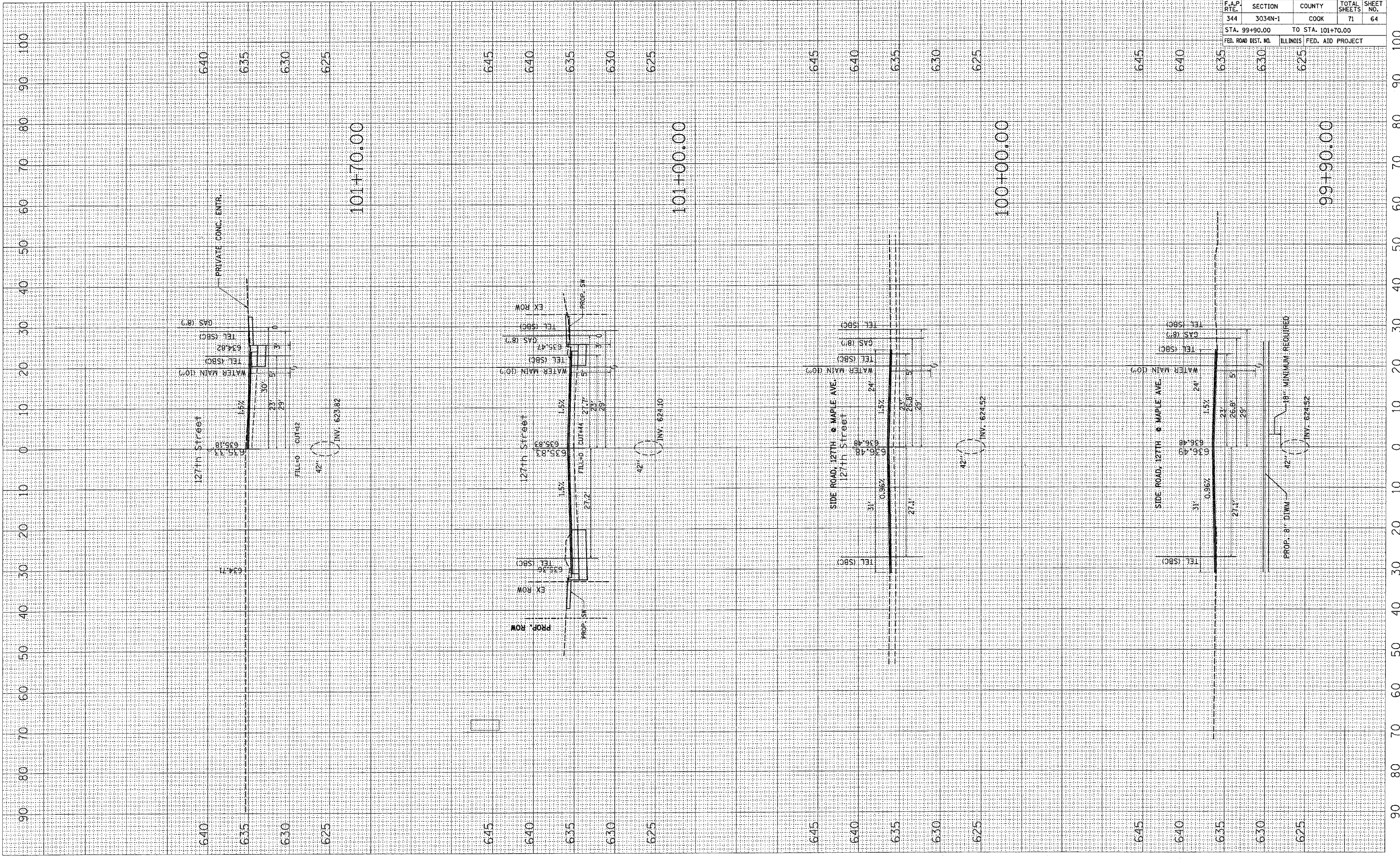
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	63
STA. 98+00.00		TO STA. 99+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROPOSED 15" DIA. S.S. 15" DIA. BETWEEN STA. 98+00 TO STA. 98+45 (NORTH SIDE)
 *PROPOSED STORM SEWER
 EXISTING COMB. STORM SEWER 42" DIA.

PLOT DATE = 1/9/2007
FILE NAME = c:\projects\1080403\127th.dwg
PLOT SCALE = 1/8" = 1'-0"
USER NAME = drvalogsg

ORIGINAL SURVEY
SURVEY PLOTTED
NOTE BOOK REF. DATE
AREAS CHECKED

BT
DATE



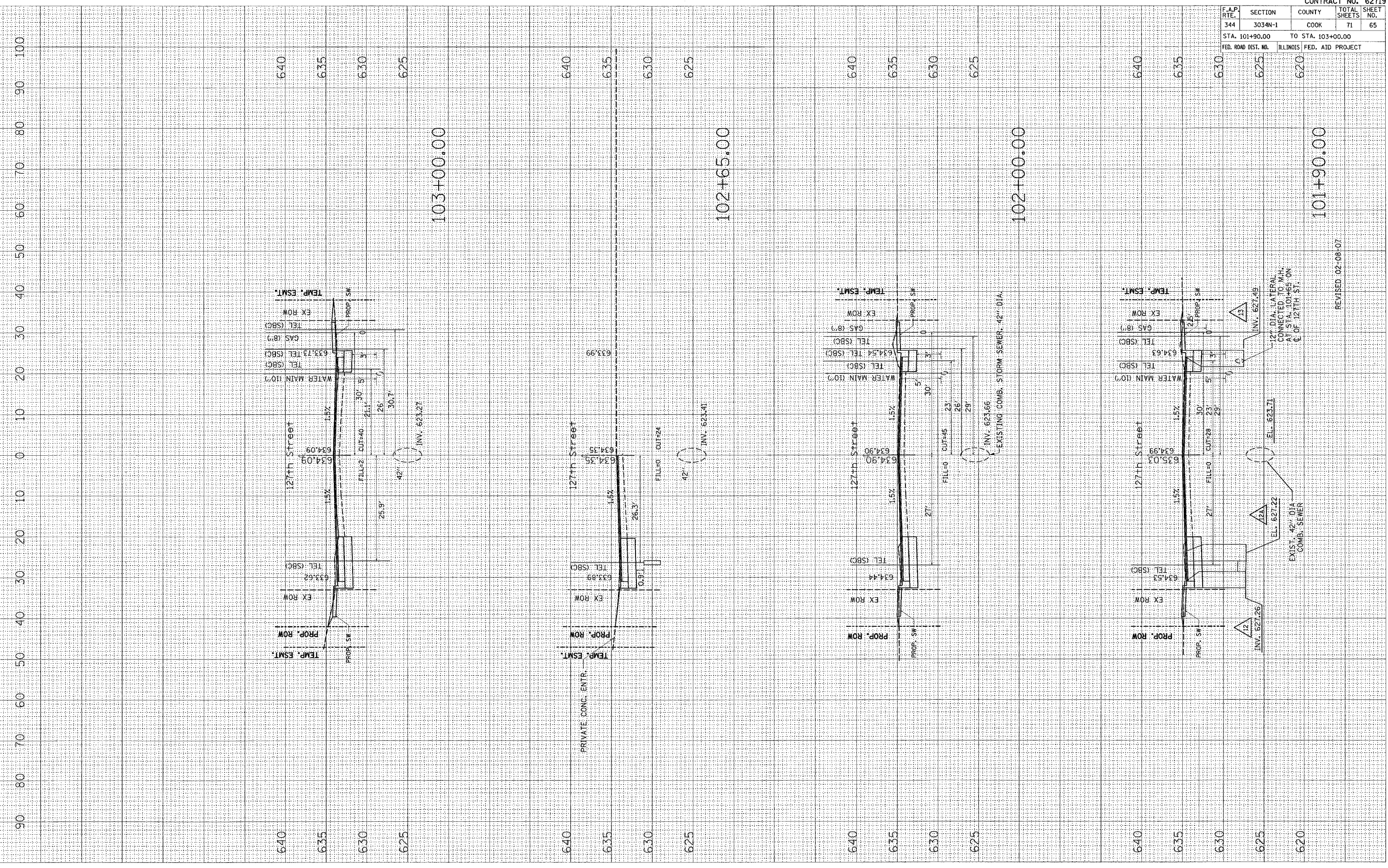
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	64

STA. 99+90.00 TO STA. 101+70.00
ILLINOIS FED. AID PROJECT

PLOT DATE = 3/7/2007
 FILE NAME = c:\projects\102\102-127th-st.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = driskovog

UNREVIEWED
 SURVEY PLOTTED
 TEMPLATE
 AREAS CHECKED

UNREVIEWED
 SURVEY PLOTTED
 TEMPLATE
 AREAS CHECKED



CONTRACT NO. 62719			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
344	3034N-1	COOK	71
STA. 101+90.00		TO STA. 103+00.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

12" DIA. LATERAL CONNECTED TO MH. AT STA. 101+65 ON C. OF 127TH ST.

REVISD 02-08-07

EXIST. 42" DIA. COMB. SEWER

EL. 627.22

EL. 623.71

INV. 627.45

INV. 627.26

EL. 627.22

EL. 623.71

INV. 627.45

REVISD 02-08-07

101+90.00

620

625

630

635

640

102+00.00

625

630

635

640

102+65.00

625

630

635

640

103+00.00

625

630

635

640

101+90.00

620

625

630

635

640

102+00.00

625

630

635

640

102+65.00

625

630

635

640

103+00.00

625

630

635

640

101+90.00

620

625

630

635

640

102+00.00

625

630

635

640

102+65.00

625

630

635

640

103+00.00

625

630

635

640

101+90.00

620

625

630

635

640

102+00.00

625

630

635

640

102+65.00

625

630

635

640

103+00.00

625

630

635

640

101+90.00

620

625

630

635

640

102+00.00

625

630

635

640

102+65.00

625

630

635

640

103+00.00

625

630

635

640

101+90.00

620

625

630

635

640

102+00.00

625

630

635

640

102+65.00

625

630

635

640

103+00.00

625

630

635

640

101+90.00

620

625

630

635

640

102+00.00

625

630

635

640

102+65.00

625

630

635

640

103+00.00

625

630

635

640

101+90.00

620

625

630

635

640

102+00.00

625

630

635

640

102+65.00

625

630

635

640

103+00.00

625

630

635

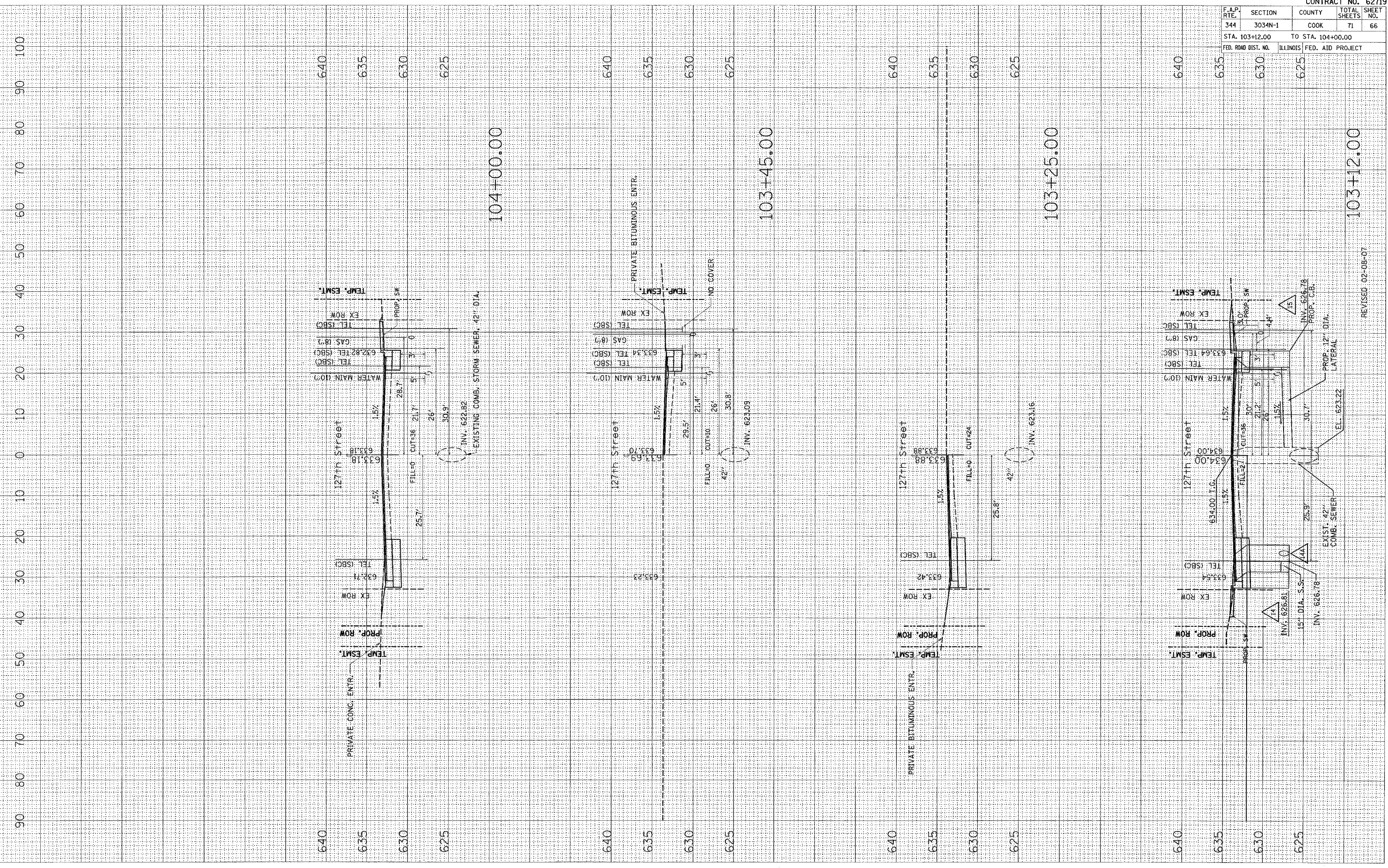
640

101+90.00

PLOT DATE = 3/7/2007
 FILE NAME = c:\p\j\p\p\10403\10403-127th-sh-10403.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = drw\drw

Original
 SURVEY
 PLOTTED
 TEMPLATE
 AREAS CHECKED

Original
 SURVEY
 PLOTTED
 TEMPLATE
 AREAS CHECKED



F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344		3034N-1	COOK	71	66
STA. 103+12.00		TO STA. 104+00.00			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

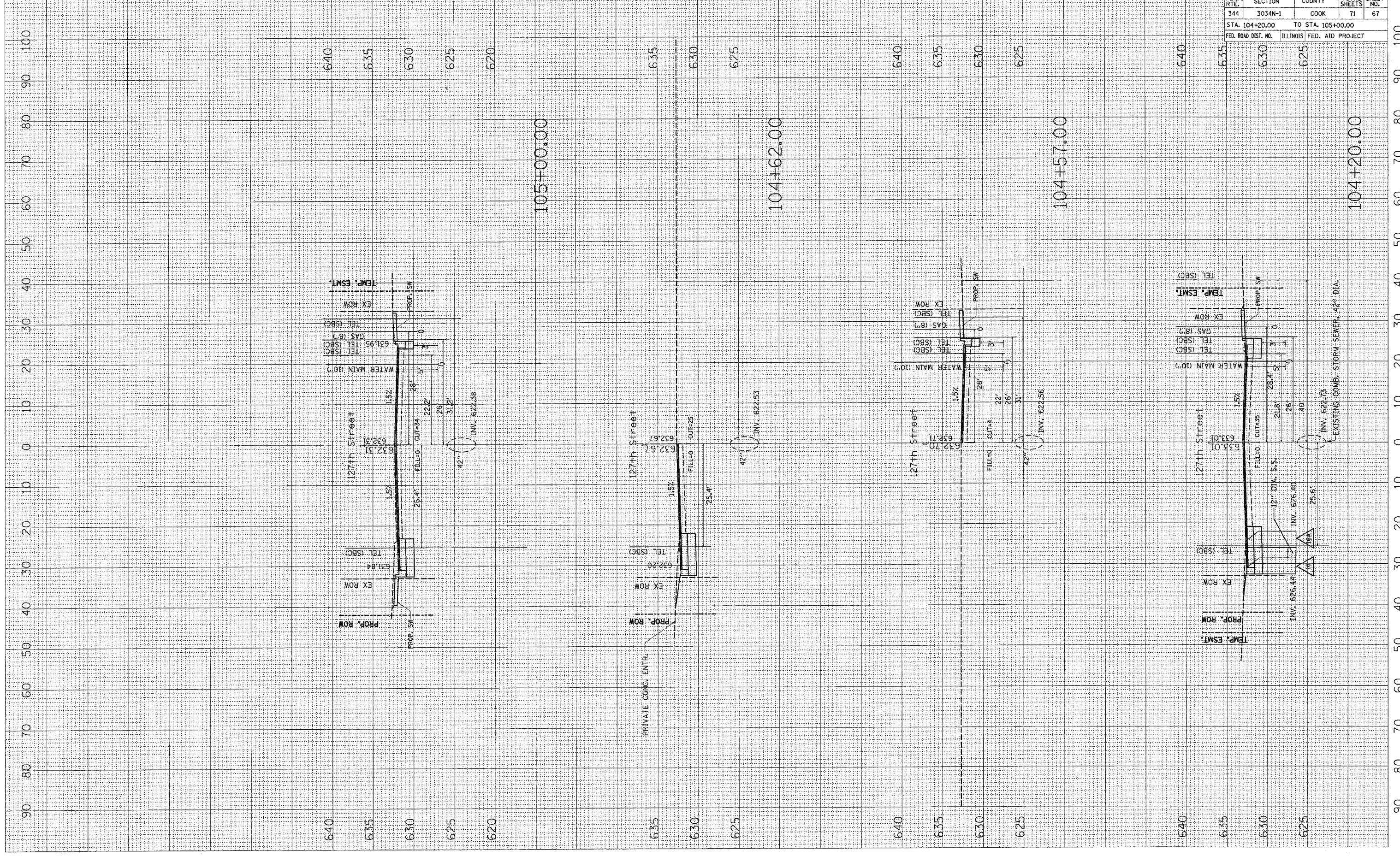
REVISED 02-08-07

PLOT DATE = 1/2/2007
 FILE NAME = c:\pws\pws\1081483\127th.sh\127th.sh.dwg
 USER NAME = drwlskgn

ORIGINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK NO.
 AREAS CHECKED

FINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK NO.
 AREAS CHECKED

BY: _____ DATE: _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	67
STA. 104+20.00		TO STA. 105+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

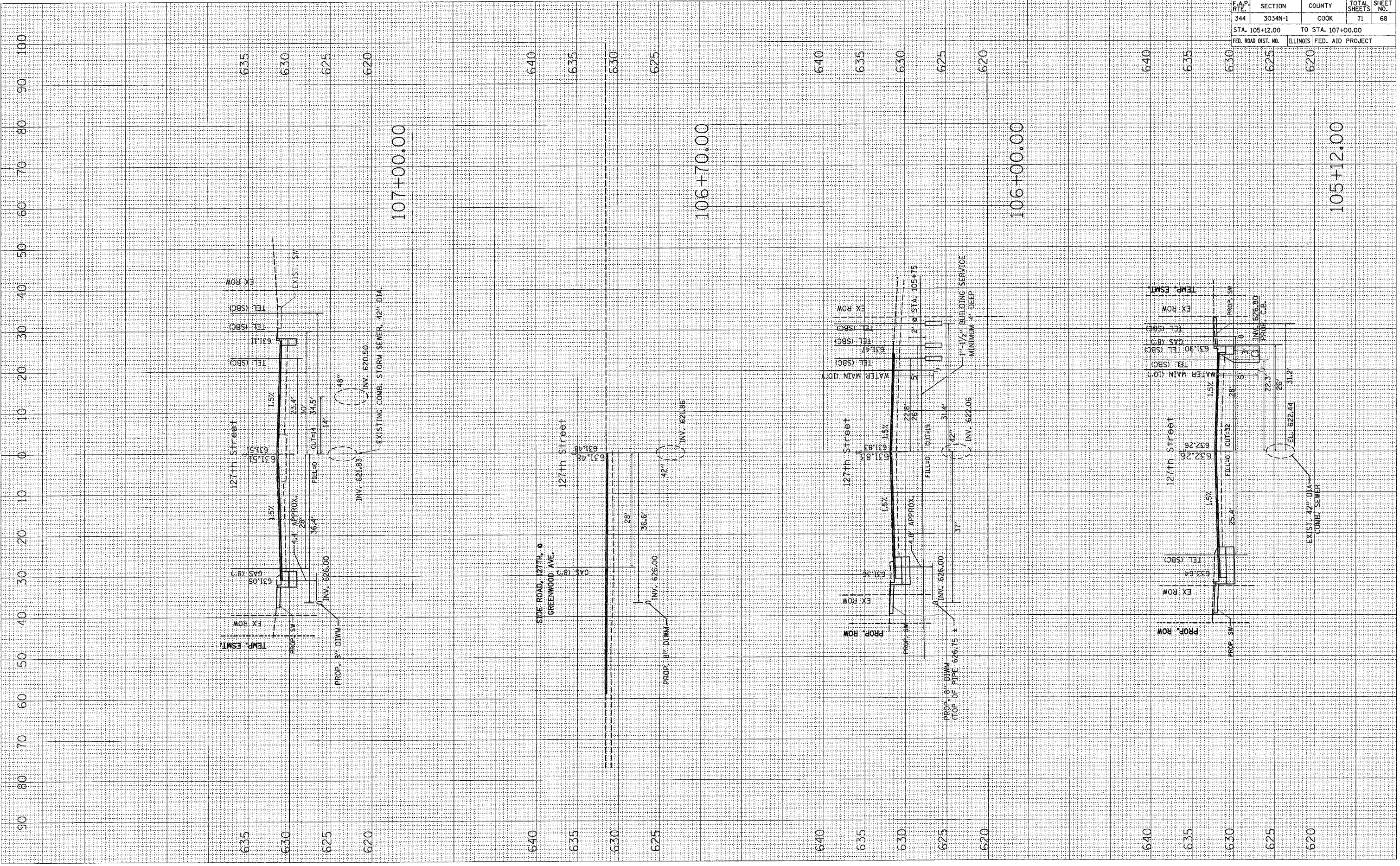
INV. 622.38
 42'
 INV. 622.53
 42'
 INV. 622.56
 42'
 INV. 626.40
 25.6'
 INV. 622.73
 EXISTING COMB. STORM SEWER, 42" DIA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	68
STA. 105+12.00		TO STA. 107+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	
NOTE BOOK	
AREAS CHECKED	
BY	

ORIGINAL SURVEY	DATE
SURVEYED	
NOTE BOOK	
AREAS CHECKED	
BY	

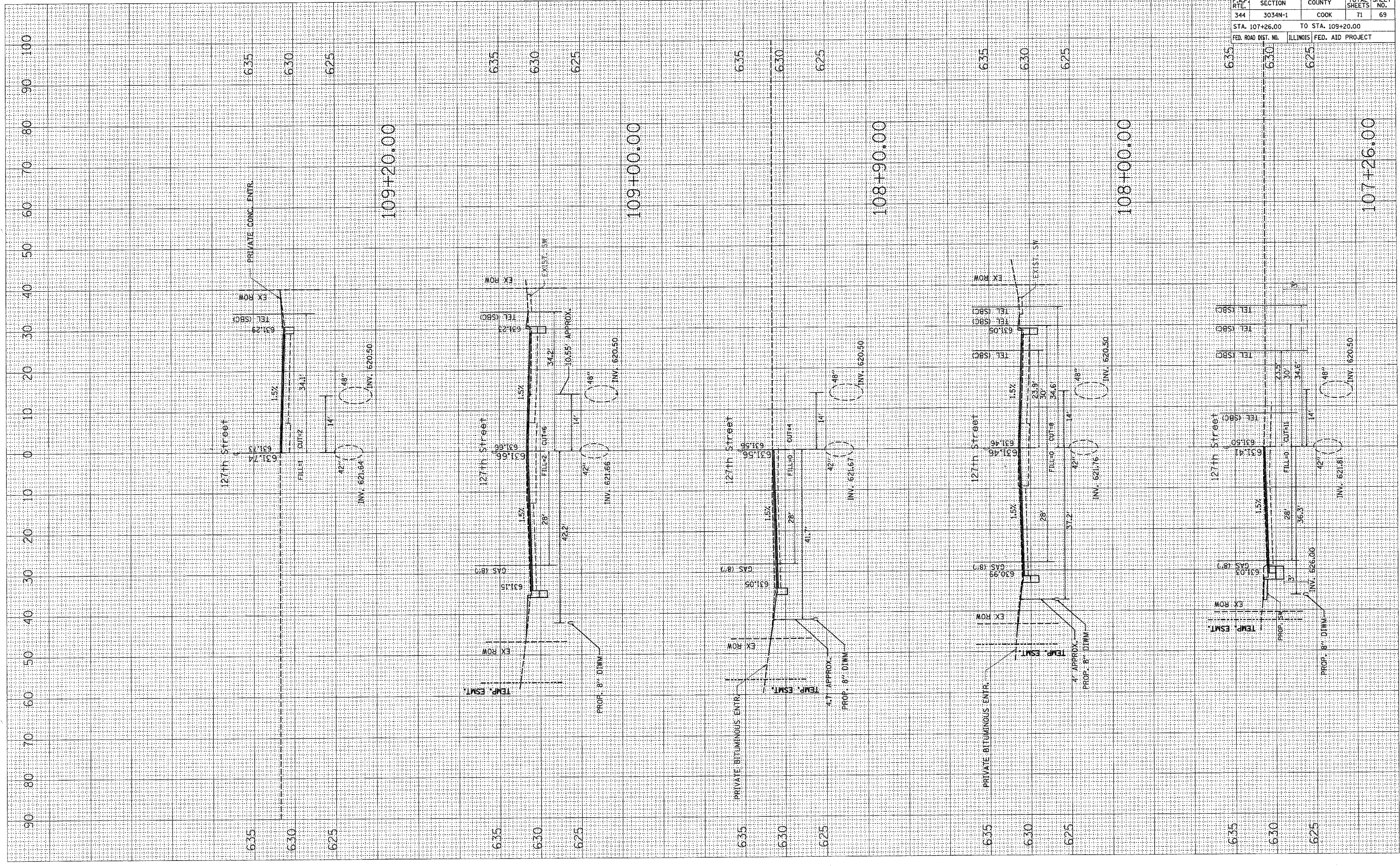
PLOT DATE = 1/3/2007
 FILE NAME = c:\p06\c13\p062403\12716.mxd
 PLOT SCALE = 10.0000 / IN.
 USER NAME = drvelosign



PLOT DATE = 1/3/2007
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = drwksong

BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREA CHECKED _____

BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREA CHECKED _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	69
STA. 107+26.00		TO STA. 109+20.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

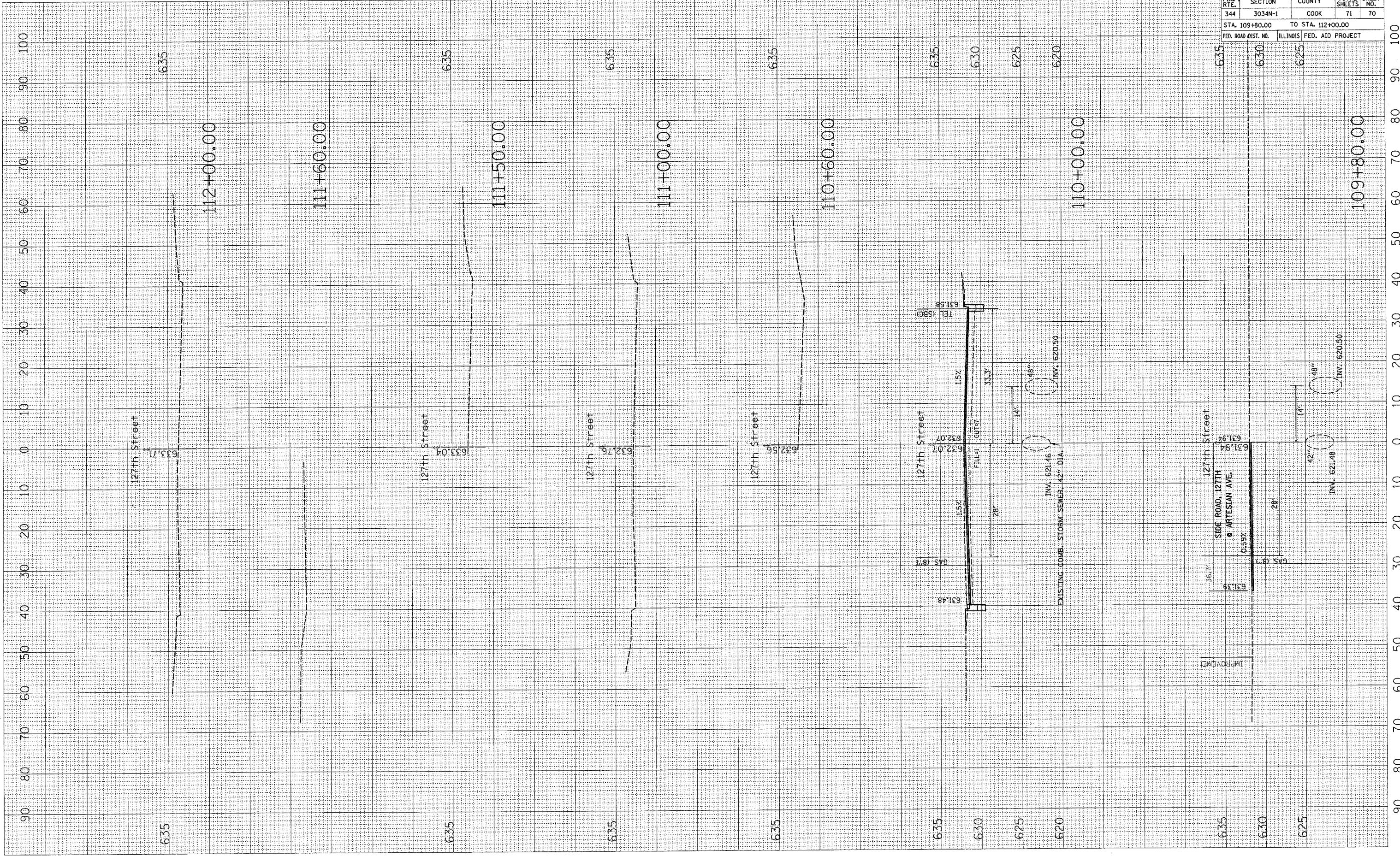
CONTRACT NO. 62719

PLOT DATE = 1/3/2007
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = drvkong

ORIGINAL SURVEY PLOTTED
 SURVEY NOTE BOOK AREA CHECKED

FINAL SURVEY PLOTTED
 SURVEY NOTE BOOK AREA CHECKED

BY _____ DATE _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	70

CONTRACT NO. 62719

STA. 109+80.00 TO STA. 112+00.00

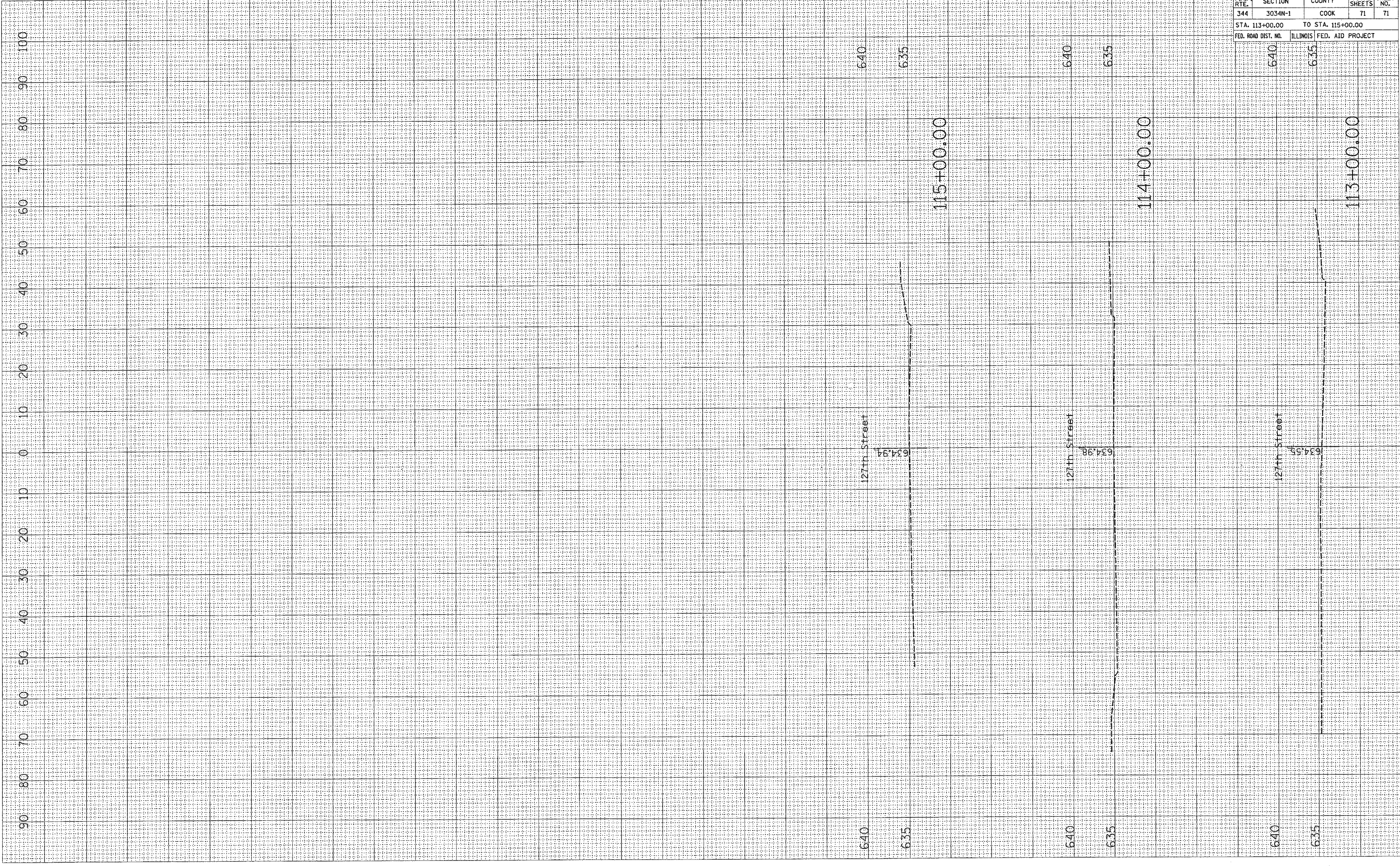
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	71
STA. 113+00.00		TO STA. 115+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
640	635			

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

PLOT DATE = 1/2/2007
 FILE NAME = d:\projects\113+00-115+00\127th_ah.dgn
 PLOT SCALE = 10.0000 / IN.
 USER NAME = drvelocan



0 10 20 30 40 50 60 70 80 90 100