

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77 #	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 62914	

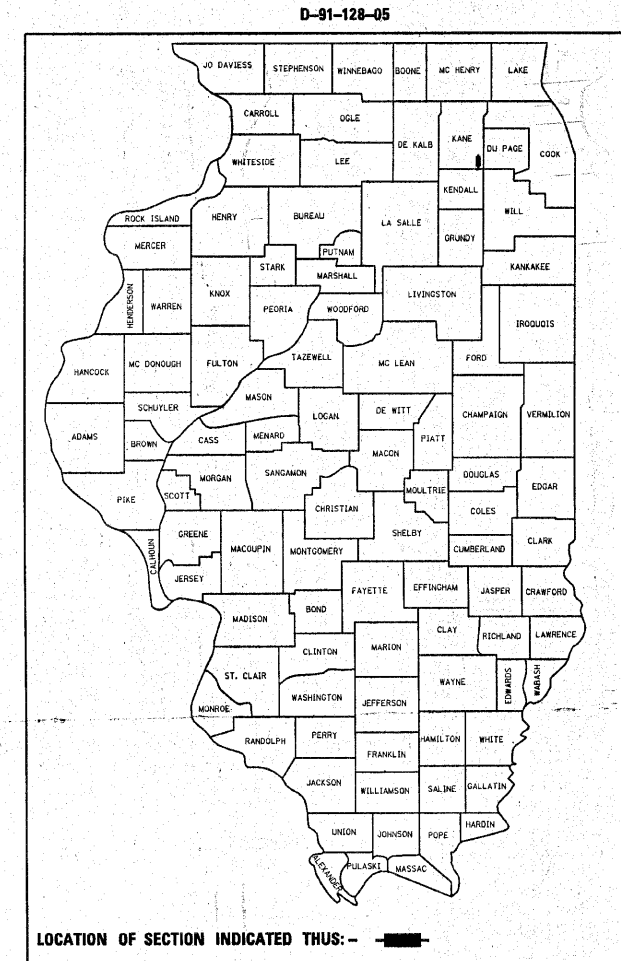
* 77 + 2 = 79

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

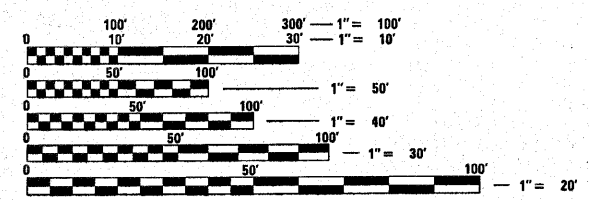
PROPOSED HIGHWAY PLANS
F.A.U. RTE. 3887 / IL 31 (N. LINCOLNWAY ST.)
AT OAK STREET
SECTION: A-R-N-1
INTERSECTION RECONSTRUCTION AND
TRAFFIC SIGNAL INSTALLATION
PROJECT: ACM-3887(005)
KANE COUNTY
C-91-128-05

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE
VILLAGE OF NORTH AURORA



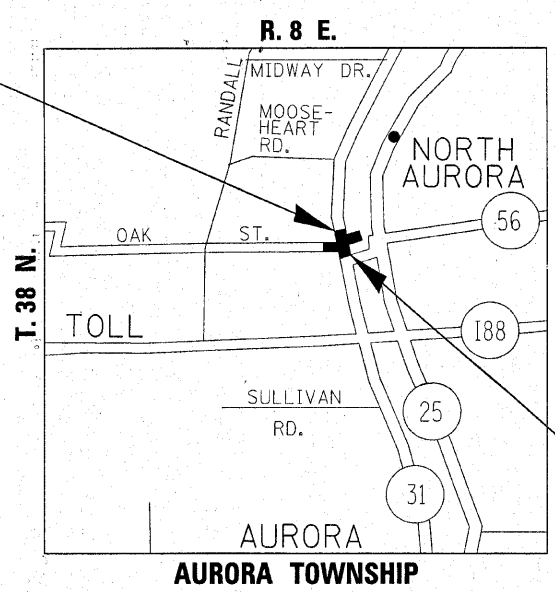
LOCATION OF SECTION INDICATED THUS: —



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

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

PROJECT ENDS
STA. 95+07



TRAFFIC DATA:
IL 31 (N. LINCOLNWAY ST.)
2007 ADT - 17500
POSTED SPEED = 30 MPH
DESIGN SPEED = 40 MPH

OAK ST.
2006 ADT - 10,500
POSTED SPEED = 30 MPH
DESIGN SPEED = 40 MPH

PROJECT BEGINS
STA. 81+67

PROJECT ENGINEER: JENPAI CHANG (847) 705-4432
PROJECT MANAGER: KEN ENG

GROSS AND NET LENGTH OF PROJECT = 1858 FT = 0.35 MI

CONTRACT NO. 62914

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 12, 2010
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 25 2010
Scott E. Stitt, P.E. Ica
acting ENGINEER OF DESIGN AND ENVIRONMENT

June 25 2010
Christine M. Roedler
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
353001-04	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSE
406201-01	MAILBOX TURNOUT
420001-07	PAVEMENT JOINTS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDERS ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/ SHOULDER WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
602001-01	CATCH BASIN, TYPE A
602301-02	INLET, TYPE A
602401-02	MANHOLE, TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE TYPE 8
604086-02	FRAME AND GRATE, TYPE 23
606001-04	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
666001-01	RIGHT-OF-WAY MARKERS
667101-01	PERMANENT SURVEY MARKERS
701001-02	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-02	OFF ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701501-05	URBAN LANE CLOSURE, 2L,2W, UNDIVIDED
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE, 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
780001-02	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
877001-04	STEEL MAST ARM ASSEMBLY AND POLE
878001-08	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

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

10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF NORTH AURORA.

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

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS 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.

UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL, AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF THE EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF THE EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENT OF SECTION 201 OF THE STANDARD SPECIFICATIONS AT THE CONTRACTORS OWN EXPENSE.

PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-13)

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAIL."

THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OFF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.

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.

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

TEMPORARY SURFACE COURSE SHALL BE REMOVED IN STAGE 3 & WILL BE PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"

PATCHING WILL ALSO BE PERFORMED DURING STAGING. NO EXTRA COMPENSATION WILL BE ALLOWED.

REMOVE AND REPLACE STEPS WILL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

ALL PLANTS MATERIAL SHALL BE MARKED IN THE FIELD, CONTACT RICK WANNER OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4172 A MINIMUM OF 72 HOURS PRIOR TO LANDSCAPING WORK.

THE RESIDENT ENGINEER SHALL CONTACT MR. DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT (847) 741-9857 A MINIMUM OF 72 HOURS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES

THE VILLAGE OF NORTH AURORA SHALL MOVE THE FIRE HYDRANTS ACCORDINGLY.

THE CONTRACTOR SHALL PERFORM MANHOLE ADJUSTMENTS INCLUDING CHIMNEY SEALING AND VALVE VAULT ADJUSTMENTS WITH THE COST OF THAT ITEM BEING REIMBURSED BY THE VILLAGE OF NORTH AURORA.

THE VILLAGE OF NORTH AURORA WILL BE LINING THE SEWERS AFTER THE COMPLETION OF THE PROJECT.

FILE NAME =	USER NAME = qureshiga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS		F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01\pwork\pwi\dot\qureshiga\10111256\110103-design.dgn	DRAWN -	REVISED -	3887				A-R-N-1	KANE	77	2	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 62914								
PLOT DATE = 3/12/2018	DATE -	REVISED -	SCALE:		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLIN 15	FED. AID PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY 1000-2A	IL 31 @ OAK SIGNAL Y031-1F	IL 31 INTER-CONNECT IL 56-OAK Y031-1F	IL 31 @ OAK SIGNAL Y031-3D 100% NORTH AURORA	CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY 1000-2A	IL 31 @ OAK SIGNAL Y031-1F	IL 31 INTER-CONNECT IL 56-OAK Y031-1F	IL 31 @ OAK SIGNAL Y031-3D 100% NORTH AURORA
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	286	286				42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	71	71			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	716	716				42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	11171	11000	171		
20101100	TREE TRUNK PROTECTION	EACH	1	1				42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SO FT	2200	2200			
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	2	2				42400800	DETECTABLE WARNINGS	SO FT	134	134			
20200100	EARTH EXCAVATION	CU YD	4510	4510				44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	7753	7753			
* 20200200	ROCK EXCAVATION	CU YD	150	150				X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	360	360			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2596	2596				44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	730	730			
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	850	850				44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3495	3495			
20800150	TRENCH BACKFILL	CU YD	170	170				44000600	SIDEWALK REMOVAL	SO FT	9740	9740			
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	1910	1910				44002209	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/4"	SO YD	191	191			
* 25100630	EROSION CONTROL BLANKET	SO YD	1910	1910				44002214	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"	SO YD	571	571			
* 25200110	SODDING, SALT TOLERANT	SO YD	1910	1910				44201729	CLASS D PATCHES, TYPE II, 7 INCH	SO YD	51	51			
* 25200200	SUPPLEMENTAL WATERING	UNIT	20	20				44201733	CLASS D PATCHES, TYPE III, 7 INCH	SO YD	51	51			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	40	40				44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SO YD	67	67			
28000400	PERIMETER EROSION BARRIER	FOOT	2850	2850				44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	35	35			
28000510	INLET FILTERS	EACH	16	16				44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	35	35			
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SO YD	2550	2550				44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	47	47			
35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SO YD	1815	1815				44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	106	106			
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	200	200				44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	106	106			
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	220	220				44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	142	142			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	8	8				NP X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	233	233			
40600300	AGGREGATE (PRIME COAT)	TON	36	36				NP X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	595	595			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	14	14				NP X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	319	319			
X4060226	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	490	490				550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	10	10			
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	125	125			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	100	100				550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	51	51			
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	140	140				55100500	STORM SEWER REMOVAL 12"	FOOT	45	45			
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	7	7				* 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	3	3			
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	138	138				56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1			
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	870	870				60107600	PIPE UNDERDRAINS 4"	FOOT	460	460			
42001300	PROTECTIVE COAT	SO YD	2453	2453				60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	196	196				60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	12	12			

* SPECIALITY ITEMS
 NP NON PARTICIPATING ITEMS
 # 100% COST TO THE VILLAGE OF NORTH AURORA

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY	IL 31	IL 31	IL 31	CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY	IL 31	IL 31	IL 31
				1000-2A	@ OAK SIGNAL Y031-1F	INTER-CONNECT IL 56-OAK Y031-1F	@ OAK SIGNAL Y031-3D 100% NORTH AURORA					1000-2A	@ OAK SIGNAL Y031-1F	INTER-CONNECT IL 56-OAK Y031-1F	@ OAK SIGNAL Y031-3D 100% NORTH AURORA
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	143	143			
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3				* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	166	166			
60255500	MANHOLES TO BE ADJUSTED	EACH	3		3			78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	127	127			
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3		3			* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	731		551	180	
60266900	VALVE BOXES TO BE MOVED	EACH	6	6				* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	30		30		
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2				* 81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	83		83		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	14	14				* 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	8		8		
60500050	REMOVING CATCH BASINS	EACH	10	10				* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	435		195	240	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3138	3138				* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	350		350		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				* 81400100	HANDHOLE	EACH	4		4		
67100100	MOBILIZATION	L SUM	1	1				* 81400200	HEAVY-DUTY HANDHOLE	EACH	4		4		
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				* 81400300	DOUBLE HANDHOLE	EACH	2		2		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	55	45	10			* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	848		668	180	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1		1			* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1910	1910				* 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	190	190				* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4080	4080				* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1102		1102		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1195	1195				* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1407		1407		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	40	40				* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1630		1630		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	143	143				* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	905		905		
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	12225	12225				* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2249		2249		
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	900	900				* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	78		78		
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	52	52				* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		1		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	1803	1803				* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1		
72000100	SIGN PANEL - TYPE 1	SO FT	25.5		25.5			* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	190	190				* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1		1		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4080	4080											
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1195	1195											
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	40	40											

* SPECIALITY ITEMS
 NP NON PARTICIPATING ITEMS
 # 100% COST TO THE VILLAGE OF NORTH AURORA

FILE NAME =	USER NAME = qurshiy	DESIGNED -	REVISED -
PLBT SCALE = 50,000' / IN.	PLBT DATE = 4/28/2010	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

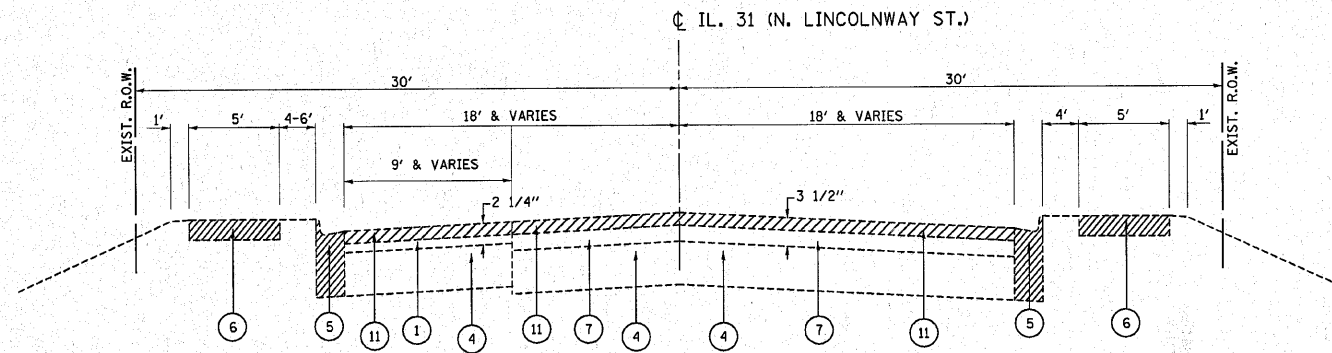
**IL 31 @ OAK STREET
 SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

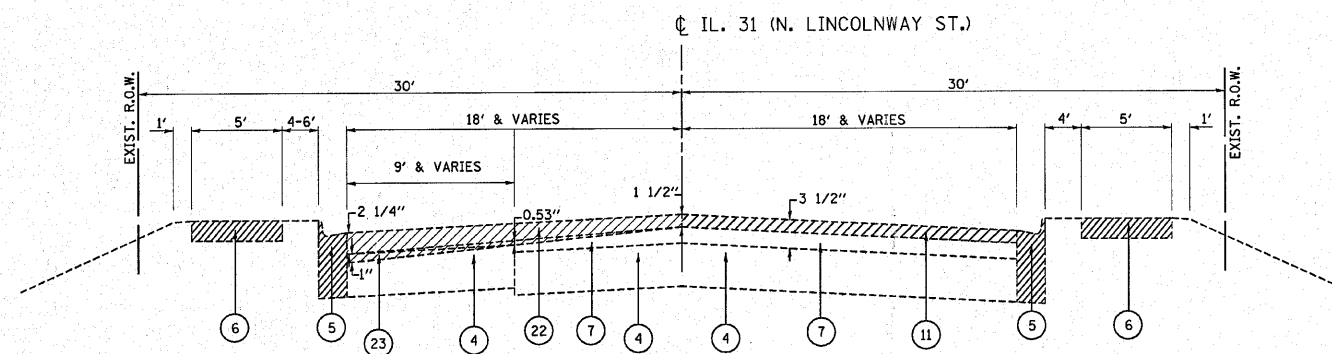
F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 4
CONTRACT NO. 62914				
FED. ROAD DIST. NO. 1 ILL. FED. AID PROJECT				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY 1000-2A	IL 31 @ OAK SIGNAL Y031-1F	IL 31 INTER-CONNECT IL 56-OAK Y031-1F	IL 31 @ OAK SIGNAL Y031-3D 100% NORTH AURORA	CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY 1000-2A	IL 31 @ OAK SIGNAL Y031-1F	IL 31 INTER-CONNECT IL 56-OAK Y031-1F	IL 31 @ OAK SIGNAL Y031-3D 100% NORTH AURORA
* 87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1		1			X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6	6			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4		4			X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	360	360			
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4			* X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1		
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4		4			* X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1		1		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52		52			* X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	702			702	
* 87900200	DRILL EXISTING HANDHOLE	EACH	1			1		* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	512		512		
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7		7			** X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	265			265	
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2			XX005569	MAILBOX REMOVAL AND REINSTALLATION	EACH	3	3			
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3			Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3		3			NP Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	3	3			
* 88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4		4			Z0022800	FENCE REMOVAL	FOOT	75	75			
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10		10			Z0069200	STONE RETAINING WALL	SO FT	130	130			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	9		9			X6026052	SANITARY MANHOLE FRAME AND ADJUSTMENT SEALING	EACH	5		5		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	710		710										
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	164	164											
** 88700200	LIGHT DETECTOR	EACH	2				2								
** 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				1								
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8										
* A2002376	TREE, BETULA NIGRA (RIVER BIRCH), 12' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	14	14											
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	12	12											
* K1005863	TREE ROOT PRUNING	EACH	2	2											
Z0036608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	71	71											
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8											
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	2	2											
* Z0033090	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	678			678									
Z0023202	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	16	16											
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1									
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	16	16											

* SPECIALITY ITEMS
 NP NON PARTICIPATING ITEMS
 * 100% COST TO THE VILLAGE OF NORTH AURORA



EXISTING TYPICAL SECTION
STA. 81+67 TO 95+07
OMISSION FROM STA. 88+10 TO 89+90



EXISTING TYPICAL SECTION
STA. 88+10 TO 89+90

LEGEND:

- ① EXISTING HMA PAVEMENT, ±3/4" (AFTER MILLING)
- ② EXISTING HMA SHOULDER, ±5 1/4" (AFTER MILLING)
- ③ EXISTING HMA PAVEMENT, ±5 1/4" (AFTER MILLING)
- ④ EXISTING P.C.C. PAVEMENT, ±7 1/2"
- ⑤ EXISTING COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ⑥ EXISTING P.C.C. SIDEWALK, 5"
- ⑦ EXISTING HMA PAVEMENT, ±2" (AFTER MILLING)
- ⑧ EXISTING SODDING
- ⑨ EXISTING HMA PAVEMENT, ±2 1/2" (AFTER MILLING)
- ⑩ PROPOSED P.C.C. SIDEWALK, 5" *
- ⑪ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ⑫ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- ⑬ PROPOSED POROUS GRANULAR EMBANKMENT SUBGRADE, 12"
- ⑭ PROPOSED P.C.C. BASE COURSE, 9"
- ⑮ PROPOSED #20 (#6) TIE BARS (EPOXY COATED) AT 24" C-C COST INCLUDED IN COMB. CONC. CURB & GUTTER, TYPE B-6.12
- ⑯ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- ⑰ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- ⑱ PROPOSED 4" PIPE UNDERDRAIN
(STA. 86+14 TO 87+14 EAST AND WEST SIDE;
STA. 88+42 TO 90+00 EAST SIDE; STA. 89+00 TO 90+00 WEST SIDE)
- ⑲ PROPOSED COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ⑳ PROP. DRILL & GROUT #25 (#8) EPOXY COATED DEFORMED STEEL TIE BAR, 24" LONG, 24" C-C - COST INCLUDED IN PORTLAND CEMENT CONCRETE BASE COURSE 9"
- ㉑ PROPOSED FURNISHING & PLACING TOP SOIL, 6" AND SODDING
- ㉒ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
NOTE USE: 1 1/2" AT C TO 2 1/4" AT EDGE OF EXISTING PAVEMENT
- ㉓ PROPOSED PCC SURFACE REMOVAL, VARIABLE DEPTH
NOTE USE: 0" AT C TO 1" AT EDGE OF EXISTING PAVEMENT

* SIDEWALK THICKNESS IS 6" WHEN BETWEEN DRIVEWAY

▨ ITEMS TO BE REMOVED

MIXTURE REQUIREMENTS

MIXTURE PURPOSE	MIXTURE USE	DESIGN AIR VOIDS
PATCHING	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, BINDER IL-19MM	4% @ 70
PATCHING	CLASS "D" PATCHES, BINDER COURSE, IL-19MM	4% @ 70
RESURFACING/WIDENING	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, IL-9.5MM	4% @ 90
RESURFACING/WIDENING	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50
FILLER	HOT-MIX ASPHALT BINDER COURSE, N70, 2 1/4" MIN, IL-19MM	4% @ 70
TEMPORARY PAVEMENT/ DRIVEWAYS	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, IL-9.5MM	4% @ 50
DRIVEWAYS	HOT-MIX ASPHALT BASE COURSE, 6" & 8", BINDER IL-19MM	4% @ 50

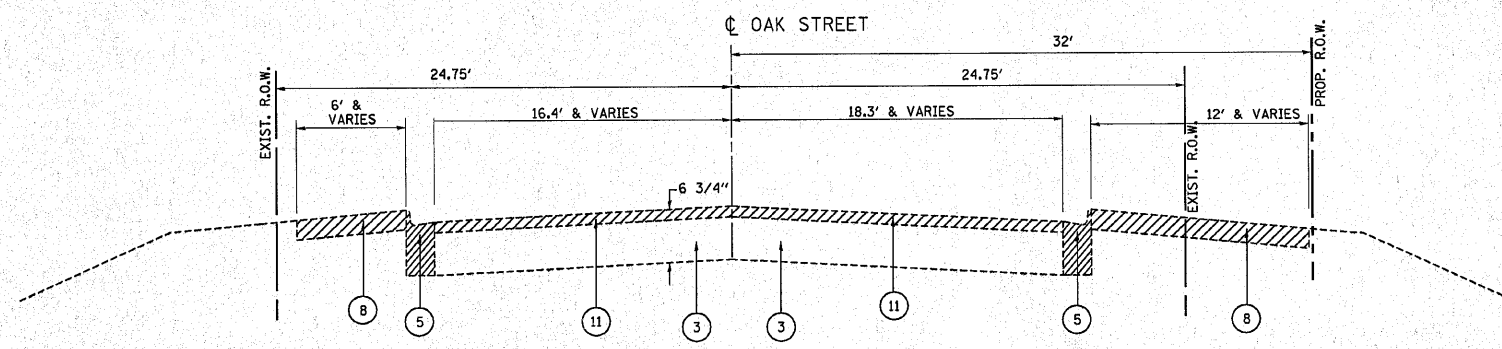
NOTE:

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

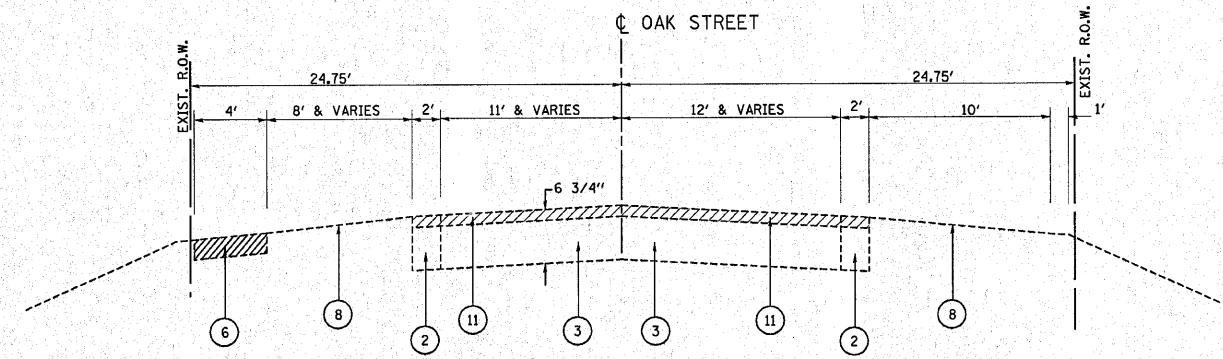
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS
FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS

PATCH FIRST BEFORE MILLING

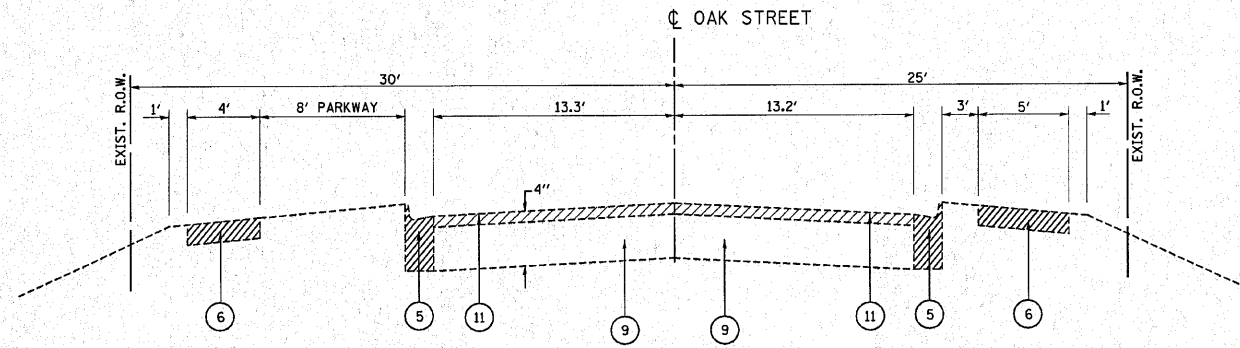
FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pwork\pwork\qureshiya\d0111256\p101603-desigr.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	3887	A-R-N-1	KANE	77	6
		CHECKED -	REVISED -							CONTRACT NO. 62914				
		DATE -	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA. 40+32 TO 41+45



EXISTING TYPICAL SECTION
STA. 41+45 TO 44+48.23



EXISTING TYPICAL SECTION
STA. 44+48.23 TO 45+50

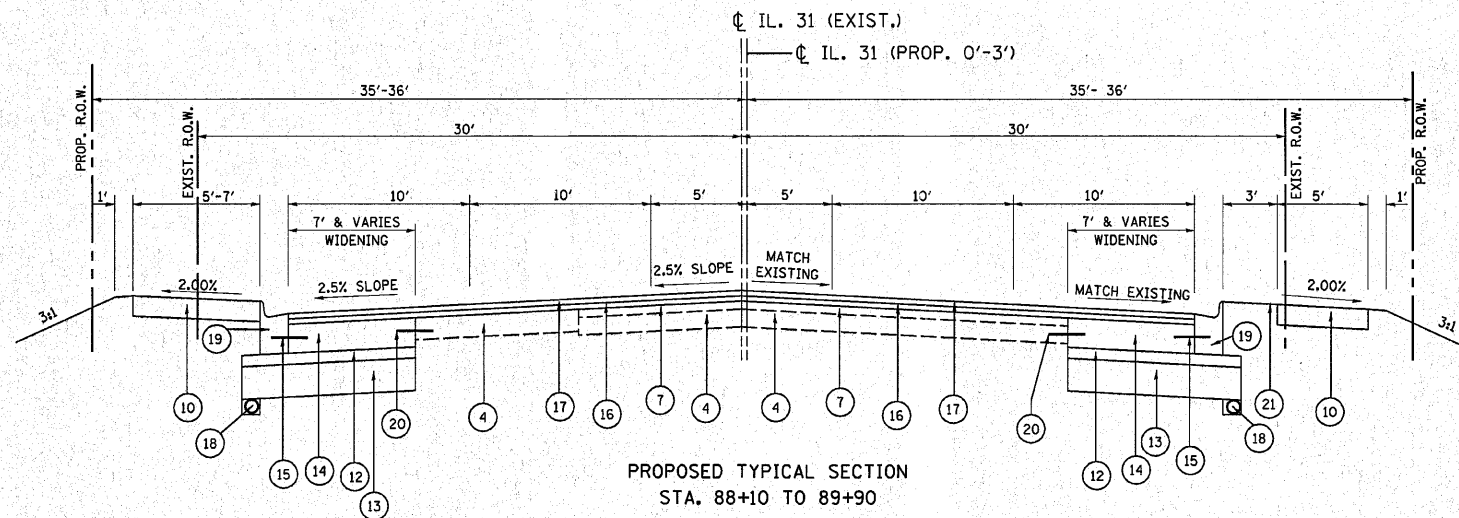
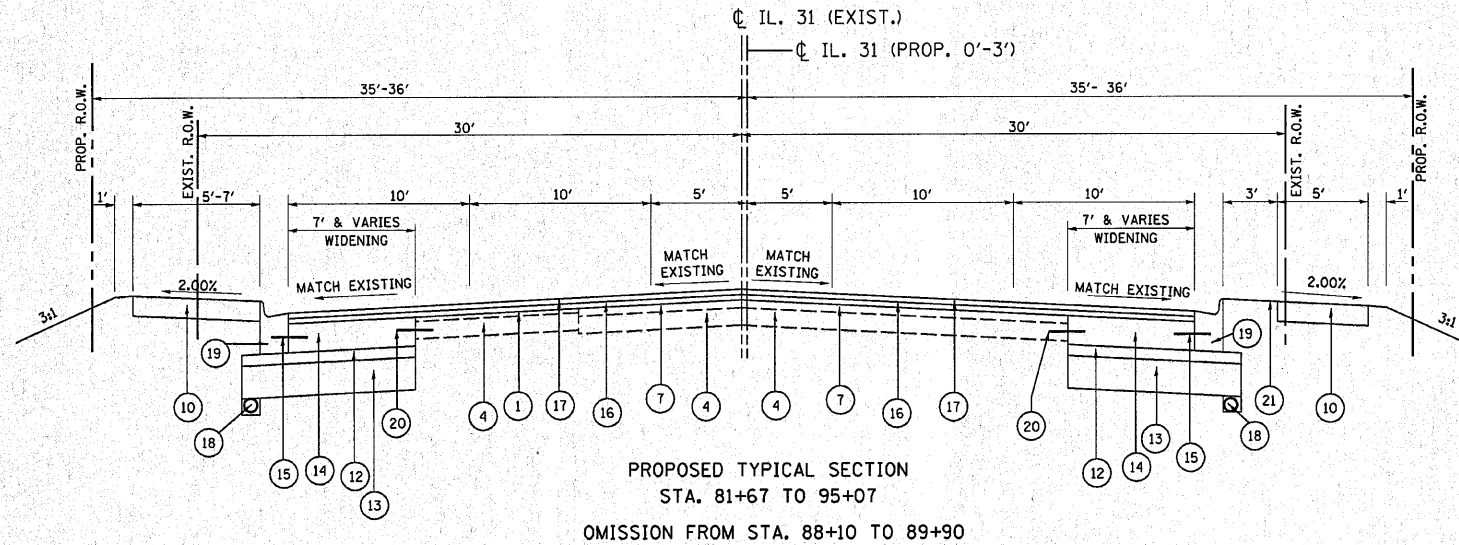
LEGEND:

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- ⑦ EXISTING HMA PAVEMENT, ±2" (AFTER MILLING)
- ⑧ EXISTING SODDING
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NOTE USE: 0" AT C TO 1" AT EDGE OF EXISTING PAVEMENT

* SIDEWALK THICKNESS IS 6" WHEN BETWEEN DRIVEWAY

▨ ITEMS TO BE REMOVED

FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISIED -	REVISIED -		CONTRACT NO. 62914							
PLOT DATE = 3/12/2010	DATE -	REVISIED -	REVISIED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT						



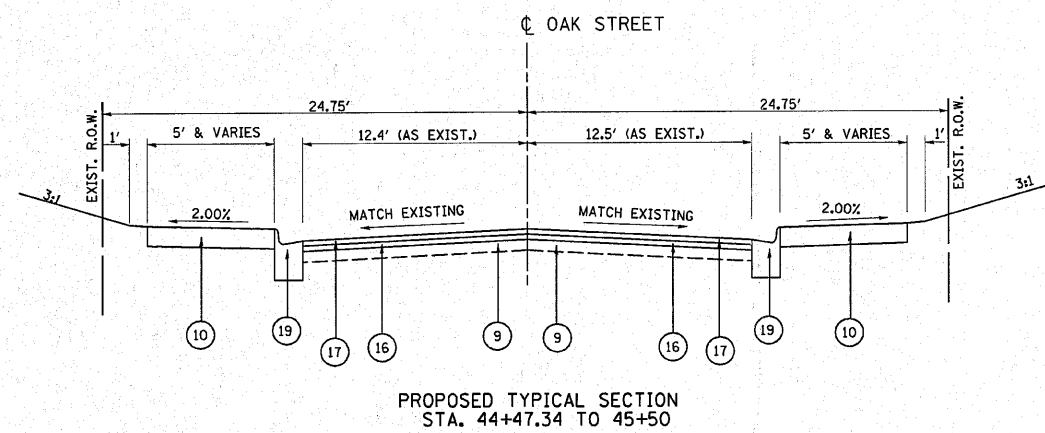
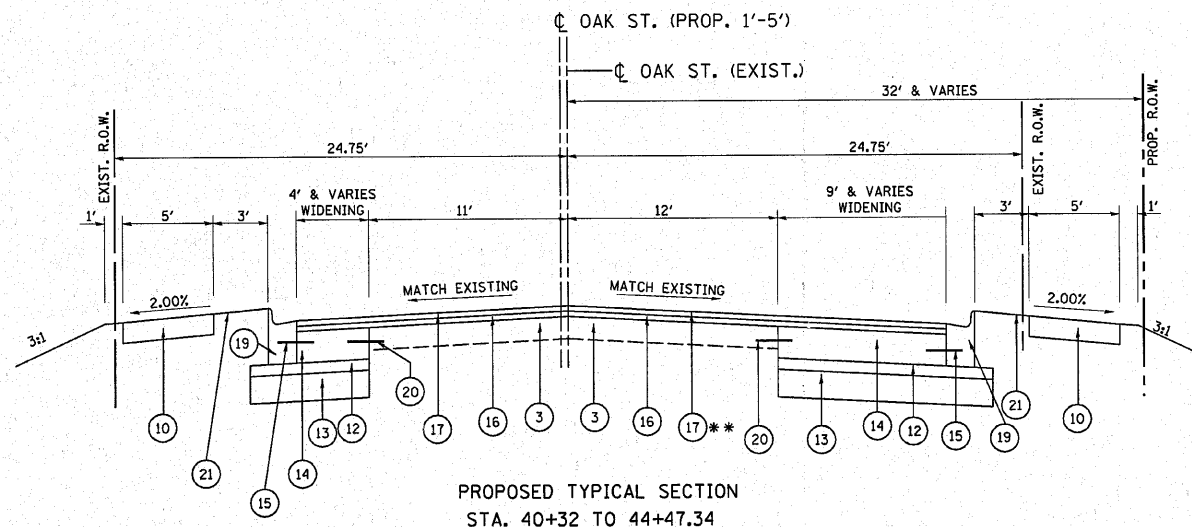
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- ③ EXISTING HMA PAVEMENT, ±5 1/4" (AFTER MILLING)
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(STA. 86+14 TO 87+14 EAST AND WEST SIDE;
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NOTE USE: 0" AT CL TO 1" AT EDGE OF EXISTING PAVEMENT

* SIDEWALK THICKNESS IS 6" WHEN BETWEEN DRIVEWAY

▨ ITEMS TO BE REMOVED

FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cc:\p\work\p\dot\qureshiya\d0111256\PI01	03-design.dgn	DRAWN -	REVISED -		3887	A-R-N-1	KANE	77	8			
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 62914			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
PLOT DATE = 3/12/2010	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			



LEGEND:

- ① EXISTING HMA PAVEMENT, ±3/4" (AFTER MILLING)
 - ② EXISTING HMA SHOULDER, ±5 1/4" (AFTER MILLING)
 - ③ EXISTING HMA PAVEMENT, ±5 1/4" (AFTER MILLING)
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 - ⑯ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - ⑰ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
 - ⑱ PROPOSED 4" PIPE UNDERDRAIN
(STA. 86+14 TO 87+14 EAST AND WEST SIDE;
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 - ㉒ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
NOTE USE: 1 1/2" AT ϕ TO 2 1/4" AT EDGE OF EXISTING PAVEMENT
 - ㉓ PROPOSED PCC SURFACE REMOVAL, VARIABLE DEPTH
NOTE USE: 0" AT ϕ TO 1" AT EDGE OF EXISTING PAVEMENT
- * SIDEWALK THICKNESS IS 6" WHEN BETWEEN DRIVEWAY
- **STA. 43+75 TO 44+25
USE HOT-MIX ASPHALT BINDER COURSE, N70, IL-19MM
WHERE NECESSARY TO OBTAIN DESIRED SLOPE
- ▨ ITEMS TO BE REMOVED

FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw\work\p\midot\qureshiya\d0111256\VP101603-design.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -					3887	A-R-N-1	KANE	77	8A
	PLOT DATE = 3/18/2010	CHECKED -	REVISED -		CONTRACT NO. 62914							
		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES (EARTHWORK)						
1	2	3	4	5	6	7
IL 31 AT OAK STREET	EARTH EXCAVATION (CU YD)	UNSUITABLE MATERIAL (CU YD)	EMBANKMENT (CU YD)	ADJUSTMENT FOR SHRINKAGE (CU YD)	FURNISHED EXCAVATION (CU YD)	TOP SOIL FURNISH AND PLACE (SQ YD)
IL 31 - STA. 82+00 to 95+00	2,842	1,750	162	2,416	2,254	1,360
OAK ST. - STA. 39+00 to 44+99	1,881	835	78	1,599	1,521	540
TOTAL	4,723	2,585	240	4,015	3,775	1,900

COLUMN 1: LOCATION FROM PLANS
 COLUMN 2: CUT QUANTITIES AFTER UNSUITABLE MATERIAL IS REMOVED
 COLUMN 3: MATERIAL THAT IS DETERMINED TO BE EITHER
 UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT
 (TOP SOIL EXCAVATED AT 6" (150 MM) AVERAGE DEPTH)
 COLUMN 4: FILL QUANTITIES AFTER UNSUITABLE MATERIAL IS REMOVED

COLUMN 5: EARTH EXCAVATION THAT IS TO BE USED AS FILL
 MATERIAL IN THE EMBANKMENT, SHRINKAGE FACTOR
 WAS DETERMINED TO BE 15%
 COLUMN 6: COLUMN 5 - COLUMN 4, POSITIVE QUANTITY=
 FURNISHED EXCAVATION, NEGATIVE QUANTITY=
 BORROW EXCAVATION
 COLUMN 7: TOPSOIL FURNISH AND PLACE= AREA OF SODDING

NOTE: THE TOP 6" OF TOPSOIL IS TO BE REMOVED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

TREES TO AVOID				
STATION	OFFSET/SIDE (FEET)	TYPE	6 TO 15 UNIT DIAMETER	OVER 15 UNIT DIAMETER
OAK ST.	RIGHT SIDE			
43+80	28	SUGAR MAPLE		45

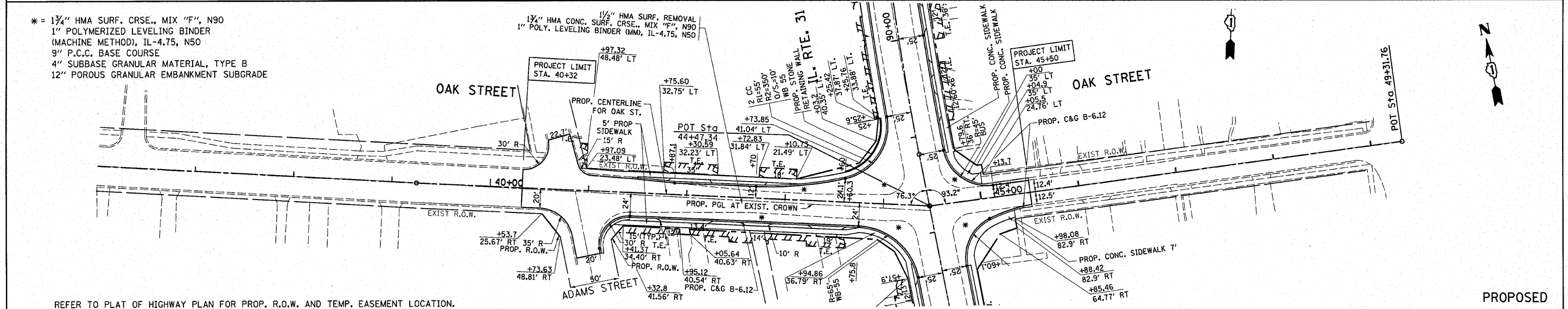
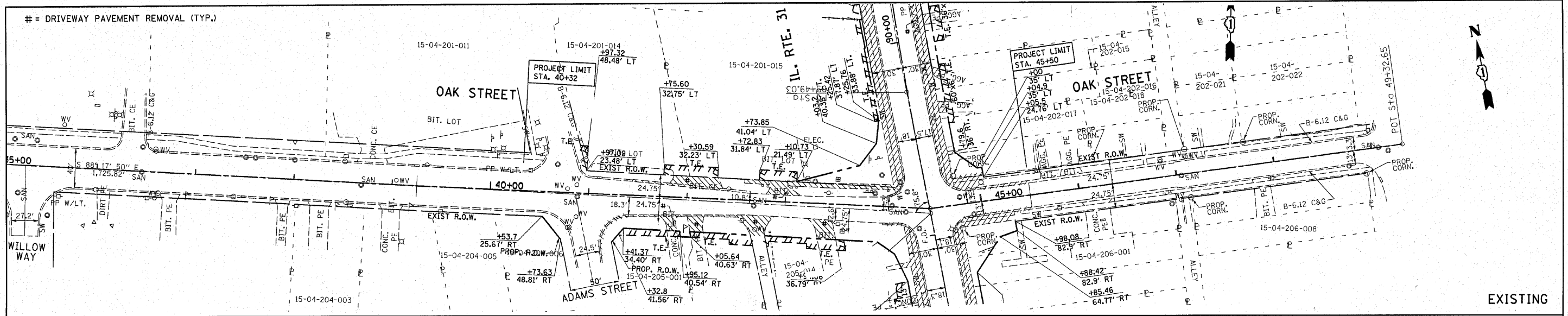
NOTE: STATION AND OFFSETS ARE BASED UPON EXISTING CENTERLINE

TREE REMOVAL SCHEDULE				
STATION	OFFSET/SIDE (FEET)	TYPE	6 TO 15 UNIT DIAMETER	OVER 15 UNIT DIAMETER
IL 31	LEFT SIDE			
85+62	55	BUR OAK		29.0
86+65	33	SIBERIAN ELM		32.5
86+87	35	SILVER MAPLE		28.0
87+55	35	SILVER MAPLE		20.0
87+70	35	SILVER MAPLE		30.0
90+29	33	HACKBERRY		18.0
90+37	35	WHITE MULBERRY		20.0
90+59	28	HACKBERRY	14.5	
90+75	28	HACKBERRY	10	
90+75	32	HACKBERRY	10.5	
91+15	29	HACKBERRY	6.0	
91+20	30	HACKBERRY	13.0	
91+24	31	HACKBERRY	11.0	
91+34	30	HACKBERRY	12.0	
91+50	30	BLACK WALNUT	8.0,7.0	
91+55	29	BLACK WALNUT	9.0	
91+63	30	WHITE MULBERRY	8.0, 5.5	
91+70	31	HACKBERRY	13.0	
91+73	31	BLACK WALNUT	6.0	
91+94	32	HACKBERRY	6.5	
92+48	30	DEAD	6.0	
92+56	27	OSAGE ORANGE	13.0	26.0,17.0
92+94	28	SIBERIAN ELM		24.0
93+00	32	BLACK CHERRY	7.0	
93+55	24	DEAD		24.0
86+20	55	SILVER MAPLE		32.0
85+90	55	ARBORVITAE	7.0	
83+60	50	COLORADO SPRUCE	15.0	
92+12	33	HACKBERRY	12.0	
90+78	30	HACKBERRY	6.0	
90+02	33	RED CEDAR		18.0
IL 31	RIGHT SIDE			
86+04	38	HACKBERRY		19.0
86+55	35	SLIPPERY ELM		26,25,22,16
87+00	42	GREEN ASH	11.0	
87+42	42	BASSWOOD		16.0
88+61	30	HACKBERRY		32.0
89+50	36	THORNLESS HONEY LOCUST		28.0
90+89	35	BUR OAK		36.0
93+37	43	NORWAY MAPLE		27.0
93+51	43	NORWAY MAPLE		26.5
93+66	42	NORWAY MAPLE		31.0
86+60	38	CRABAPPLE SP.	6.0,4.0,3.5	
90+41	37	GREEN ASH	8.5,7.0	
OAK ST.	RIGHT SIDE			
40+40	34	SIBERIAN ELM		37.0
41+30	35	HACKBERRY		23.0
42+66	24	HACKBERRY		16.0
42+68	31	HACKBERRY		17.0
42+70	36	HACKBERRY	15.0	
42+71	39	HACKBERRY	15.0	
45+14	38	DEAD	10.0	
		TOTAL	286	716

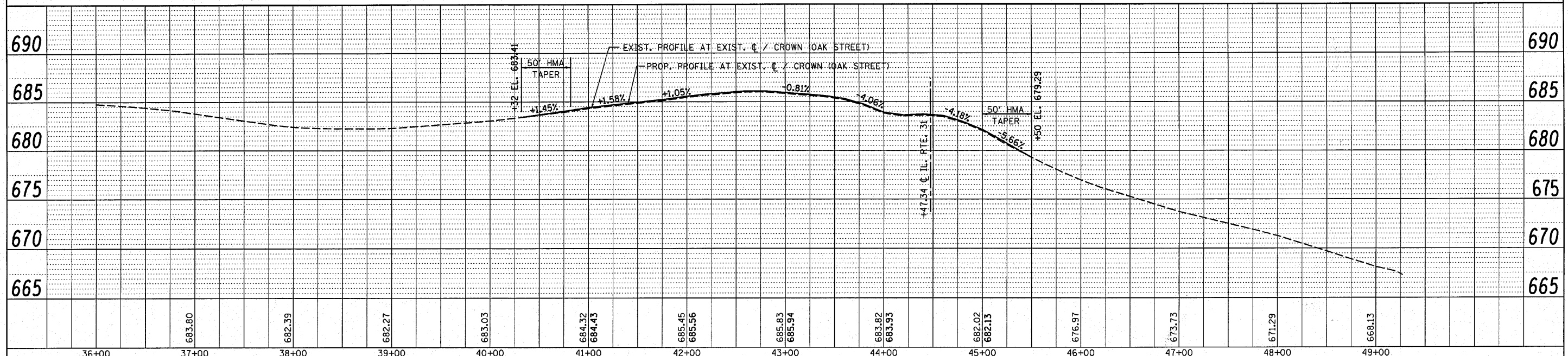
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ct:\pwork\PWIDOT\QURESHIYA\0111256\PI0603-design.dgn		DRAWN -	REVISED -		3887	A-R-N-1	KANE	77	9		
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/16/2010		DATE -	REVISED -		CONTRACT NO. 62914						

DATE	
BY	
SURVEYED	
PLOTTED	
NOTED	
REVISIONS	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTED	
REVISIONS	
NO.	



REFER TO PLAT OF HIGHWAY PLAN FOR PROP. R.O.W. AND TEMP. EASEMENT LOCATION.



FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OAK ST. @ IL. RTE. 31 EXISTING & PROPOSED ROADWAY PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLLOT DATE = 4/6/2010	CHECKED -	REVISED -			CONTRACT NO. 62914					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE: 1"=50'					

PRE-STAGE

INSTALL SIGNS SHOWN ON DETAILS "TEMPORARY INFORMATION SIGNING" PLACE PRIOR TO THE START OF CONSTRUCTION ACTIVITY ON ILLINOIS ROUTE 31 & OAK STREET

INSTALL PROPOSED CLASS D PATCHES
THIS WORK WILL BE DONE USING APPROPRIATE TRAFFIC CONTROL AND PROTECTION

STAGE 1

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE I.
THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)

INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN.
(SEE NOTE)

BEGIN WORK ON WEST PORTION OF THE INTERSECTION
ON IL 31: CLOSE THE LANE FURTHEST TO THE WEST
ON OAK STREET: NARROW LANES DOWN TO 10' IN EACH DIRECTION

REMOVE THE CURB AND GUTTER, SODDING, AND SIDEWALK ON IL 31 AND OAK STREET
INSTALL PROPOSED POROUS GRANULAR EMBANKMENT SUBGRADE, SUB-BASE GRANULAR MATERIAL, PCC BASE COURSE, TEMPORARY HMA SURFACE COURSE, DRAINAGE STRUCTURES, STORM SEWERS, PIPE UNDERDRAINS, SIDEWALK, SODDING, AND ALL OTHER COLLATERAL WORK AS SHOWN ON PLANS.

NOTE:

ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITION.

DURING STAGE 1 THE PAVEMENT WILL BE CONSTRUCTED WITH TEMPORARY HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, IL-9.5MM, 1 1/2" ABOVE THE PCC (TO MATCH EXISTING PAVEMENT) SO THAT IT CAN BE UTILIZED AS A DRIVING LANE IN STAGE 2. THIS TEMPORARY HMA SURFACE COURSE MIX "C" WILL BE REMOVED IN STAGE 3.

DURING STAGE 2 THE PAVEMENT WILL BE CONSTRUCTED TO THE PCC SINCE MILLING WILL OCCUR SOON AFTER IN STAGE 3

NOTE THAT THE BASE COURSE IS IN POOR CONDITION. IT IS RECOMMENDED THAT BINDER AND SURFACE COURSE BE PLACED SOON AFTER MILLING. PATCHING MAY BE NEEDED DURING STAGE 3. THE ROADWAY WILL BE MAINTAINED AT THE CONTRACTORS EXPENSE.

STAGE II

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE II.
THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)

INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN.
(SEE NOTE)

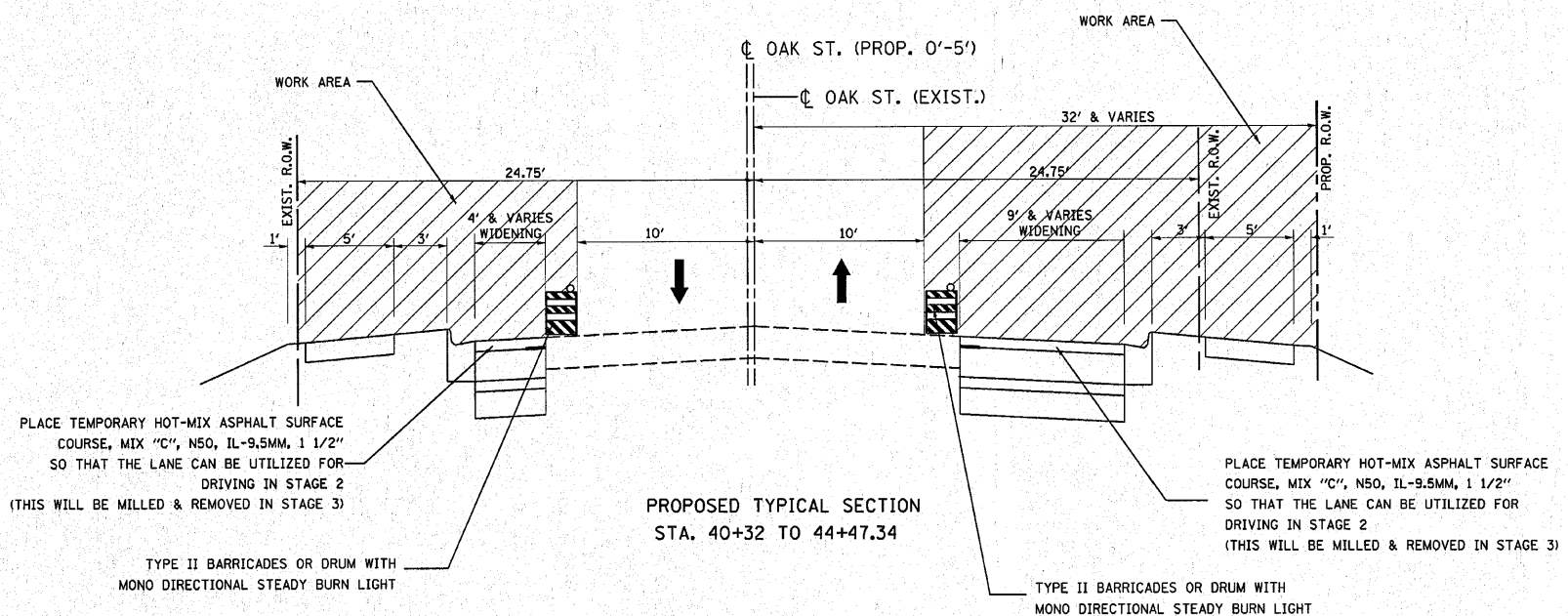
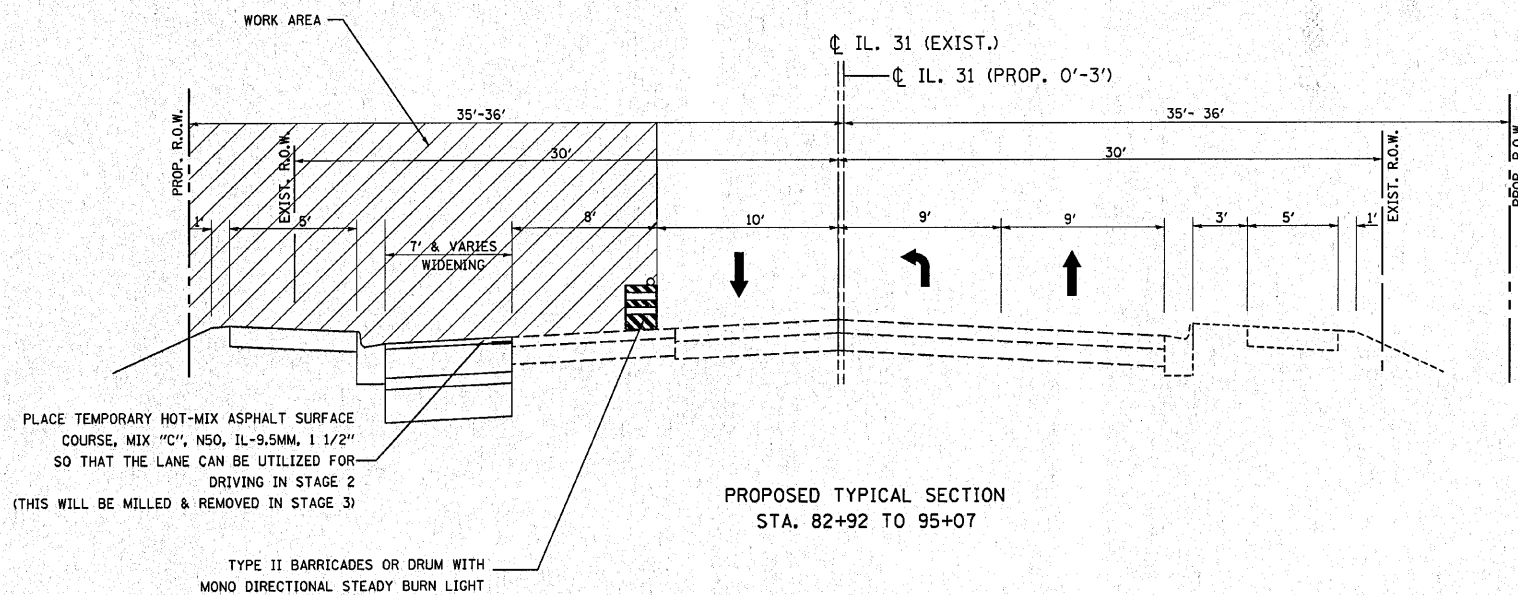
BEGIN WORK ON EAST PORTION OF THE INTERSECTION
ON IL 31: CLOSE THE LANE FURTHEST TO THE EAST
ON OAK STREET: NARROW LANES DOWN TO 10' IN EACH DIRECTION

REMOVE THE CURB AND GUTTER, SODDING, AND SIDEWALK ON IL 31 AND OAK STREET
INSTALL PROPOSED POROUS GRANULAR EMBANKMENT SUBGRADE, SUB-BASE GRANULAR MATERIAL, PCC BASE COURSE, DRAINAGE STRUCTURES, STORM SEWERS, PIPE UNDERDRAINS, SIDEWALK, SODDING, AND ALL OTHER COLLATERAL WORK AS SHOWN ON PLANS.

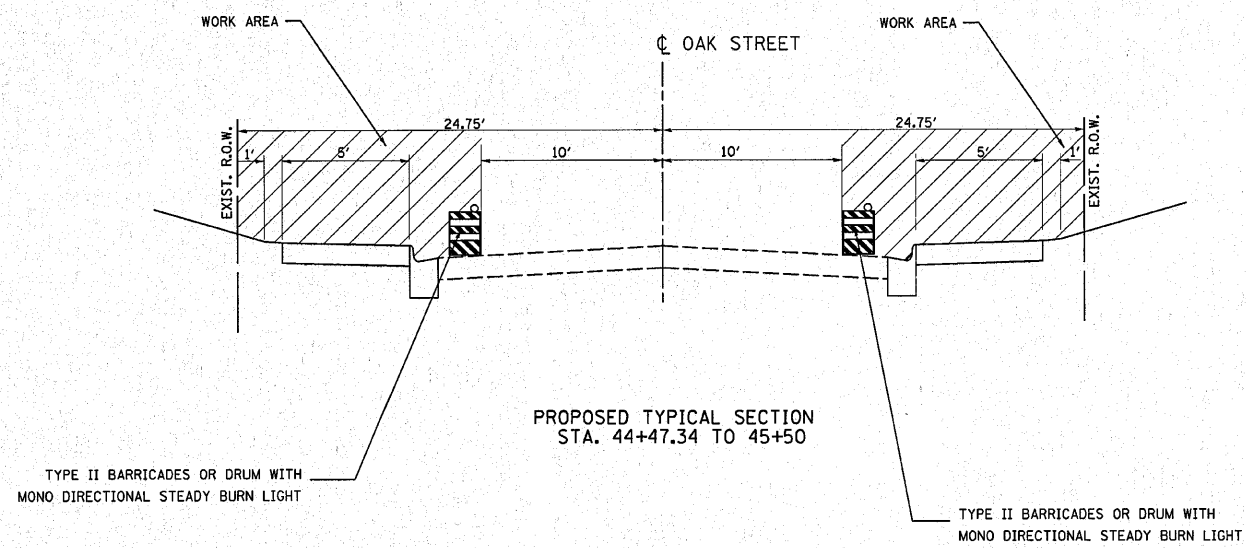
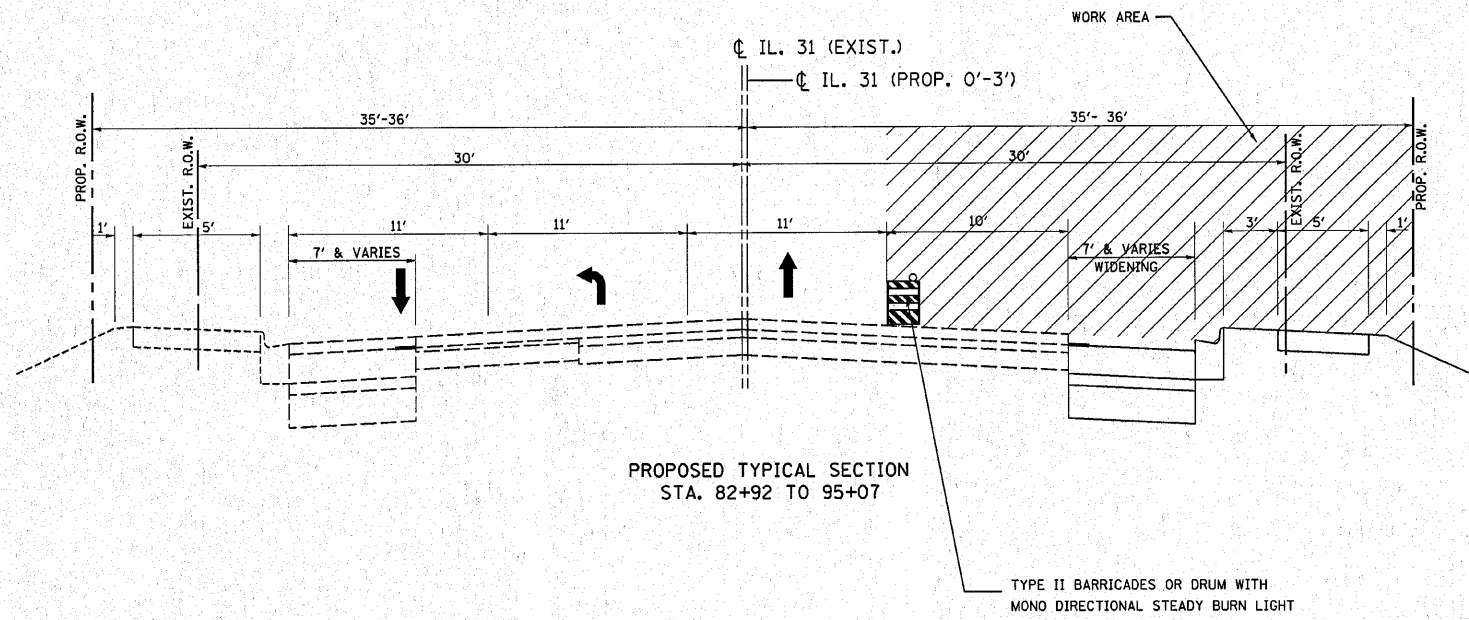
STAGE III

MILL EXISTING PAVEMENT AND INSTALL POLYMERIZED LEVELING BINDER AND SURFACE COURSE, PAVEMENT MARKING AND RAISED REFLECTIVE MARKERS ON IL ROUTE 31 AND OAK STREET. THIS WORK SHALL BE DONE USING APPROPRIATE TRAFFIC CONTROL AND PROTECTION.

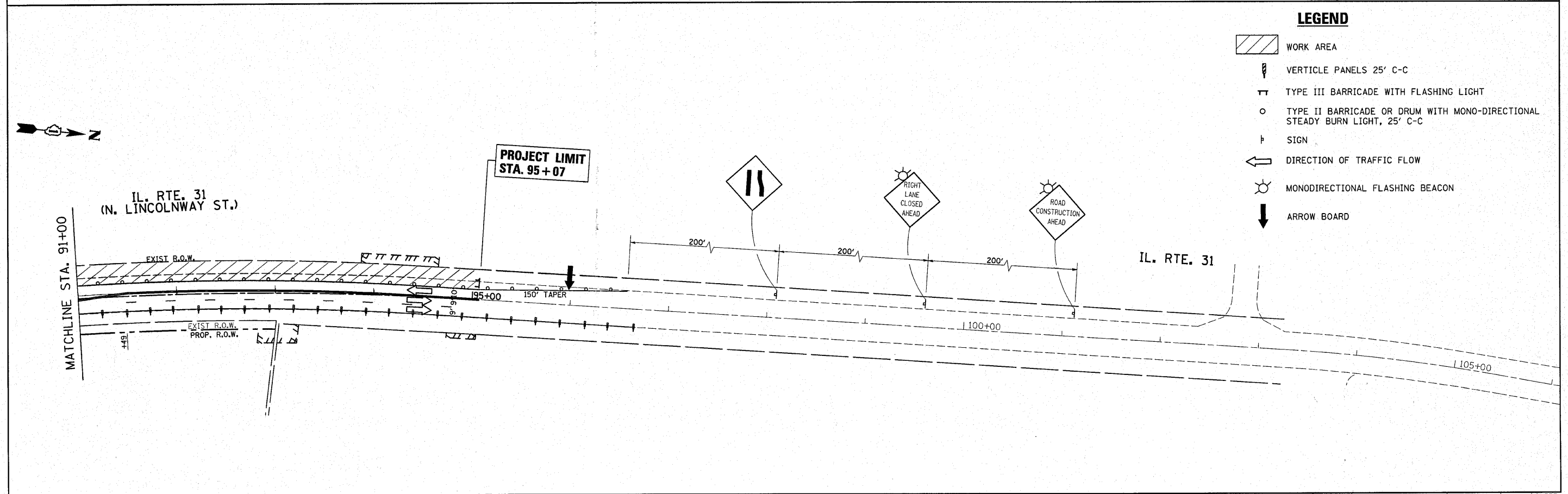
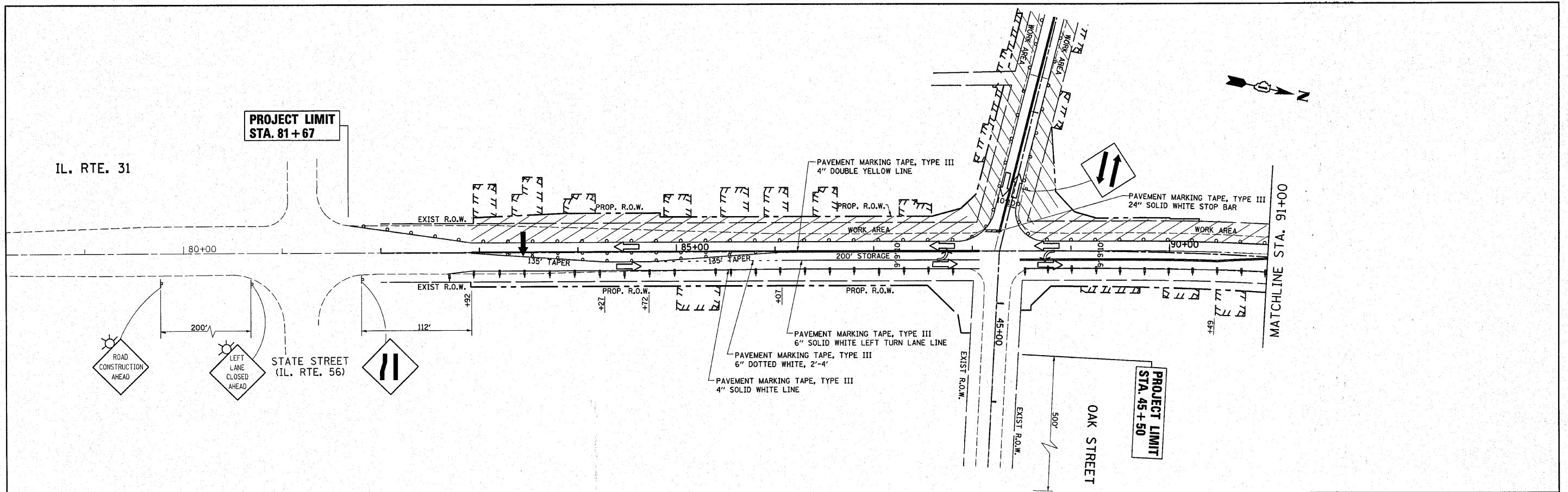
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ca\pwork\pwork\qureshiya\0111256\PI0103-design.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	3887	A-R-N-1	KANE	77	13
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 62914										
PLOT DATE = 3/12/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										











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ca\pwwork\pwwork\qureshiya\0111256\PI011256-3-design.dgn		DRAWN -	REVISED -		3887	A-R-N-1	KANE	77	14				
PLOT SCALE = 5/8" = 1' / IN.		CHECKED -	REVISED -		CONTRACT NO. 62914								
PLOT DATE = 3/12/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.		



FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE II TYPICAL SECTIONS IL ROUTE 31 @ OAK STREET			F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 15
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	PLOT DATE = 3/12/2018	CHECKED -	REVISED -									
		DATE -	REVISED -									



LEGEND

-  WORK AREA
-  VERTICLE PANELS 25' C-C
-  TYPE III BARRICADE WITH FLASHING LIGHT
-  TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT, 25' C-C
-  SIGN
-  DIRECTION OF TRAFFIC FLOW
-  MONODIRECTIONAL FLASHING BEACON
-  ARROW BOARD

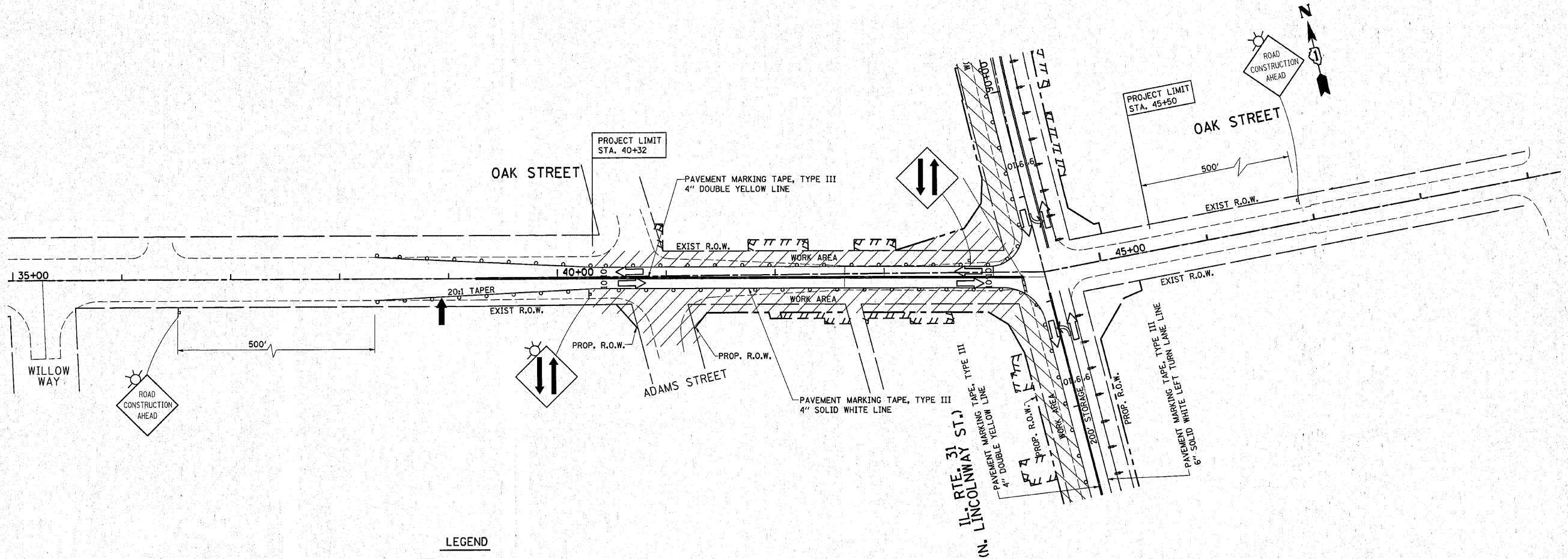
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USER NAME = qureshya	DESIGNED -	REVISED -
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PLOT DATE = 5/3/2010	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 31 @ OAK ST. TRAFFIC CONTROL STAGE 1			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	16
CONTRACT NO. 62914				
ILLINOIS FED. AID PROJECT				



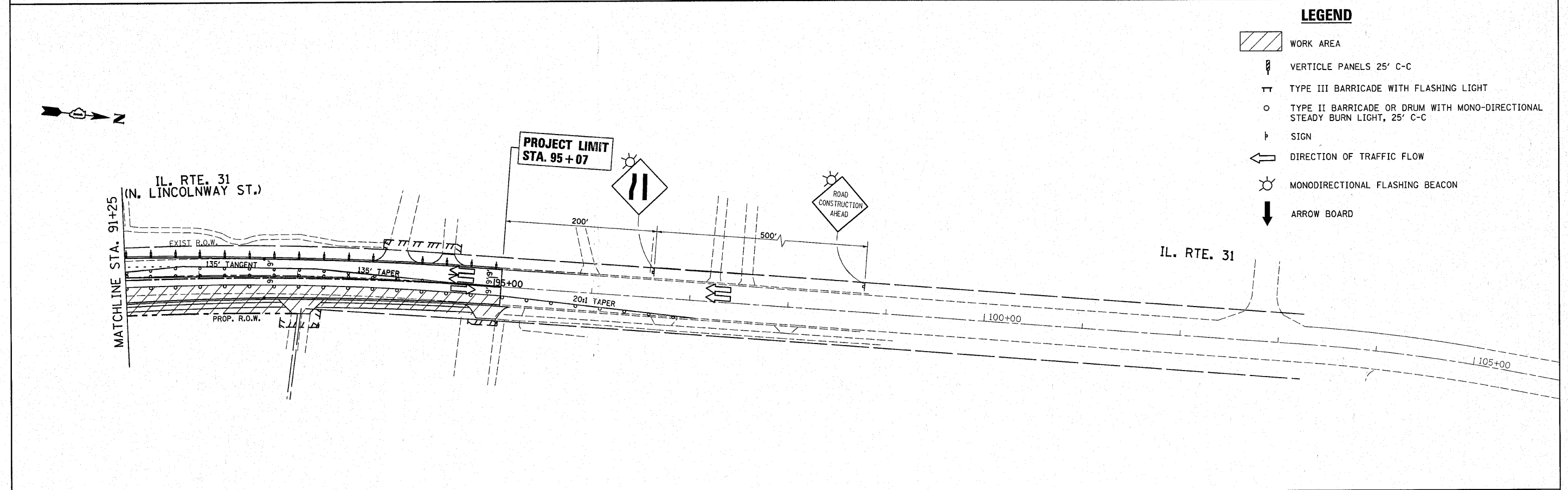
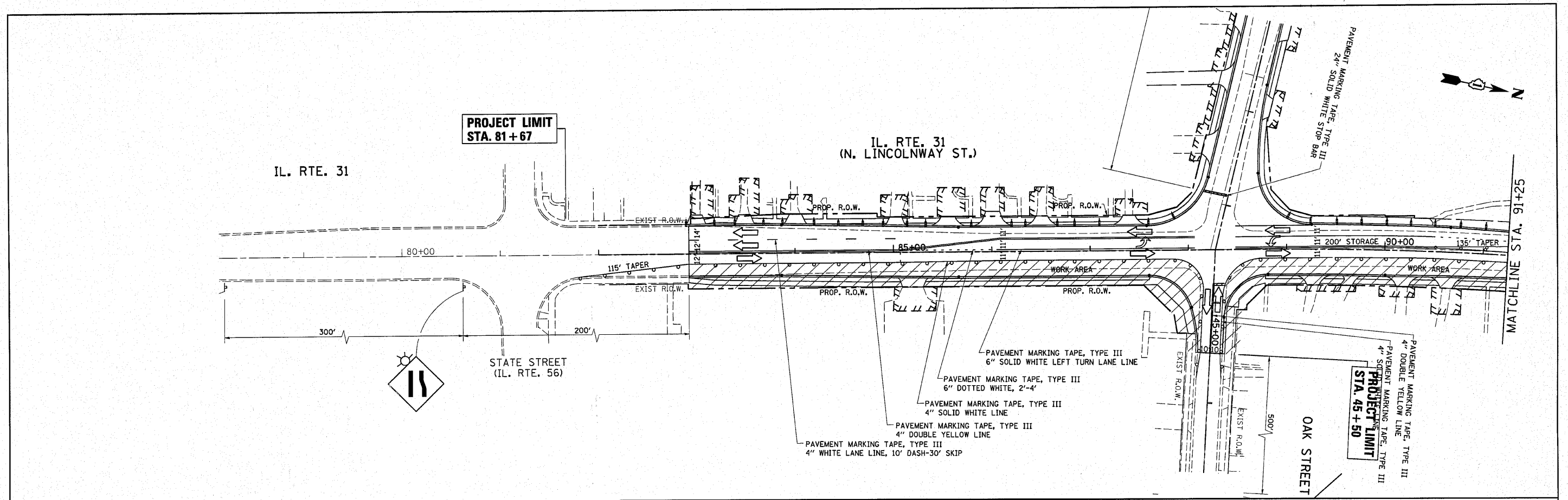
- LEGEND**
- WORK AREA
 - VERTICLE PANELS 25' C-C
 - TYPE III BARRICADE WITH FLASHING LIGHT
 - TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT, 25' C-C
 - SIGN
 - DIRECTION OF TRAFFIC FLOW
 - MONODIRECTIONAL FLASHING BEACON
 - ARROW BOARD

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PLOT DATE = 3/12/2010		DATE -	REVISED -









**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 31 @ OAK ST. TRAFFIC CONTROL STAGE 1			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

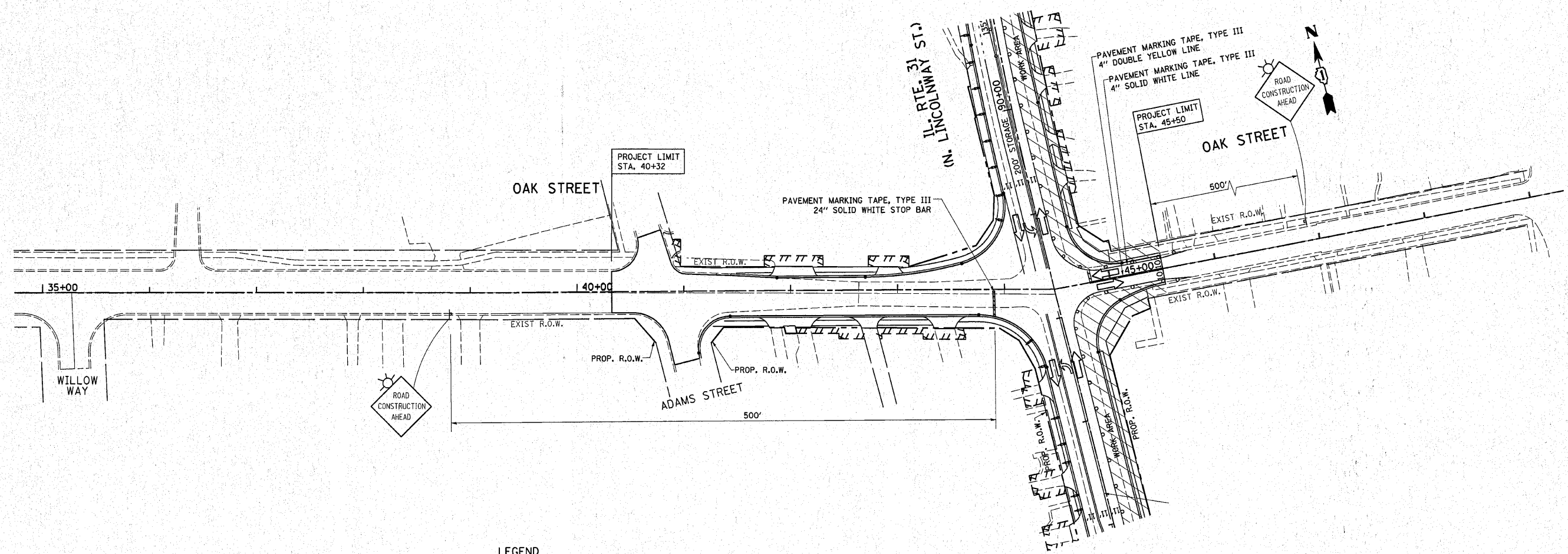
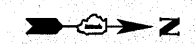
F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 17
ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62914				











LEGEND

-  WORK AREA
-  VERTICLE PANELS 25' C-C
-  TYPE III BARRICADE WITH FLASHING LIGHT
-  TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT, 25' C-C
-  SIGN
-  DIRECTION OF TRAFFIC FLOW
-  MONODIRECTIONAL FLASHING BEACON
-  ARROW BOARD

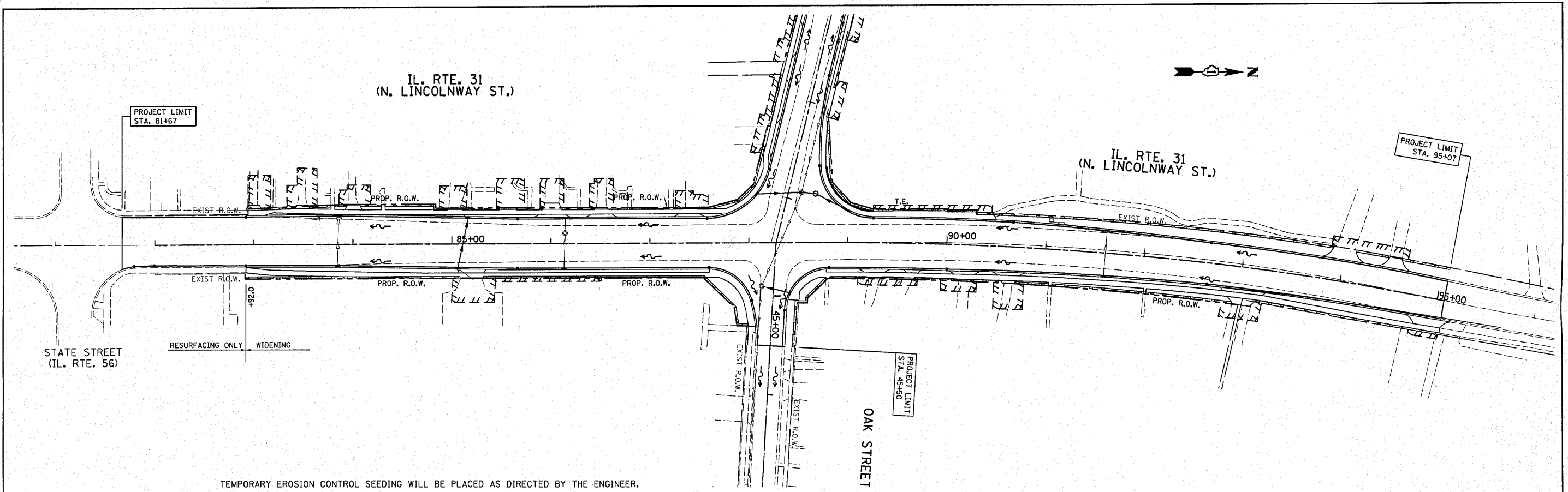
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	PLOT DATE = 5/3/2010	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



LEGEND

-  WORK AREA
-  VERTICLE PANELS 25' C-C
-  TYPE III BARRICADE WITH FLASHING LIGHT
-  TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT, 25' C-C
-  SIGN
-  DIRECTION OF TRAFFIC FLOW
-  MONODIRECTIONAL FLASHING BEACON
-  ARROW BOARD

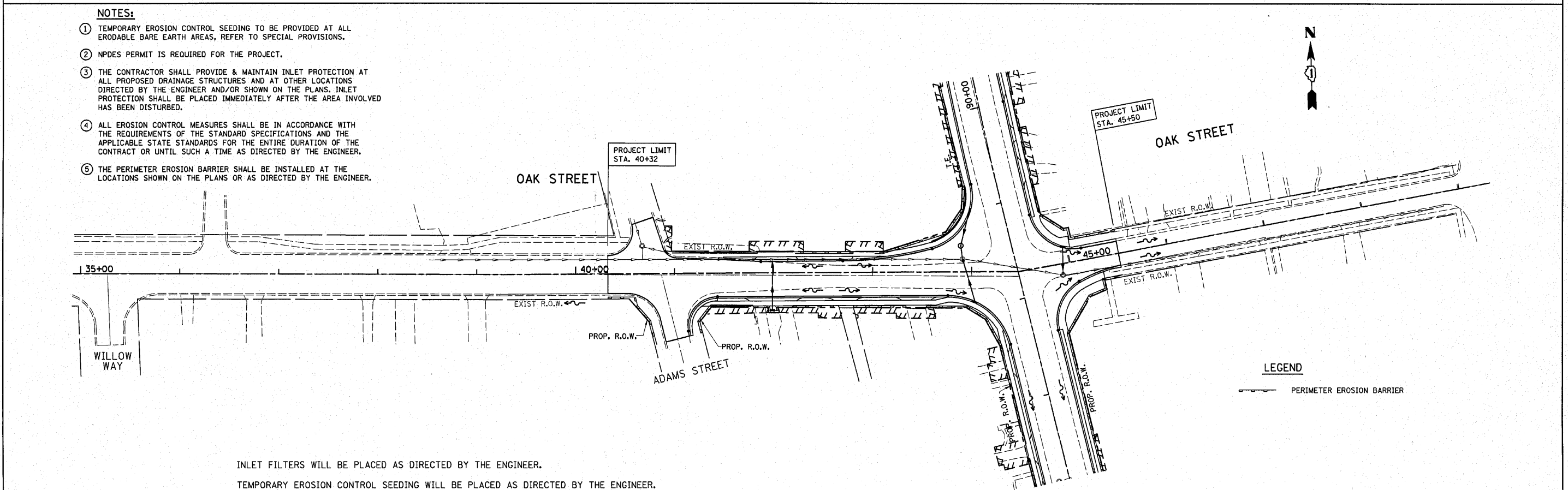
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	PLOT DATE = 3/12/2018	CHECKED -	REVISED -			CONTRACT NO. 62914					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.			



TEMPORARY EROSION CONTROL SEEDING WILL BE PLACED AS DIRECTED BY THE ENGINEER.

NOTES:

- ① TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODABLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
- ② NPDES PERMIT IS REQUIRED FOR THE PROJECT.
- ③ THE CONTRACTOR SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
- ④ ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
- ⑤ THE PERIMETER EROSION BARRIER SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

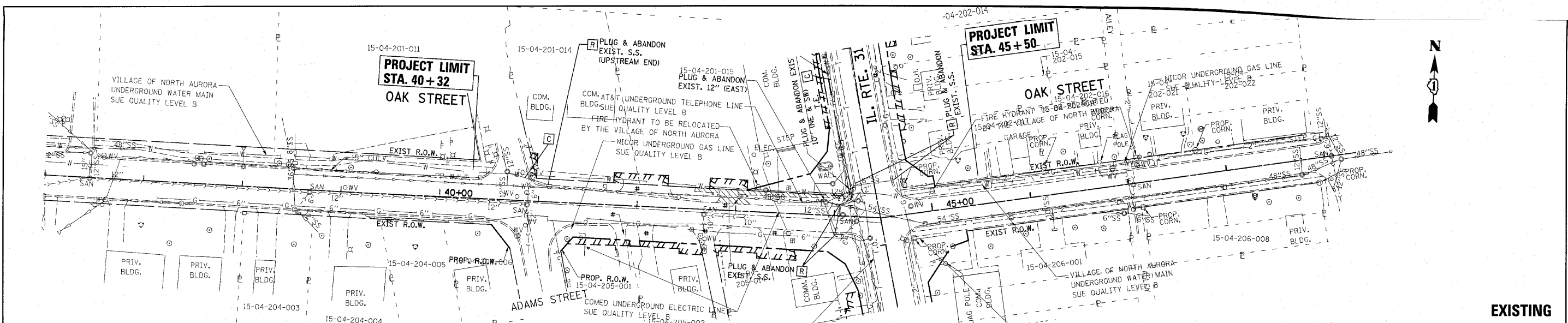


INLET FILTERS WILL BE PLACED AS DIRECTED BY THE ENGINEER.
 TEMPORARY EROSION CONTROL SEEDING WILL BE PLACED AS DIRECTED BY THE ENGINEER.

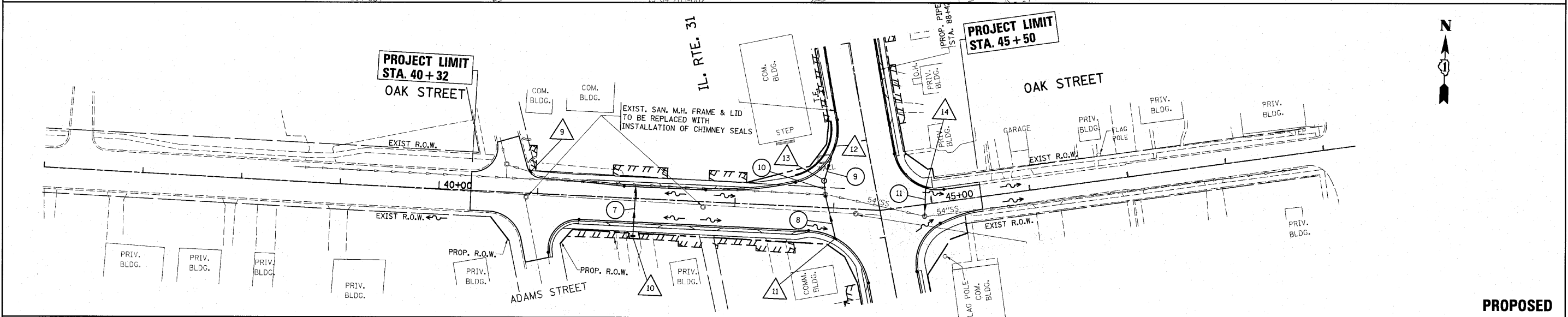
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	PLLOT DATE = 4/6/2010	DATE -	REVISED -					ILLINOIS FED. AID PROJECT							
				SCALE: 1"=50'		SHEET NO. OF SHEETS		STA. TO STA.							

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

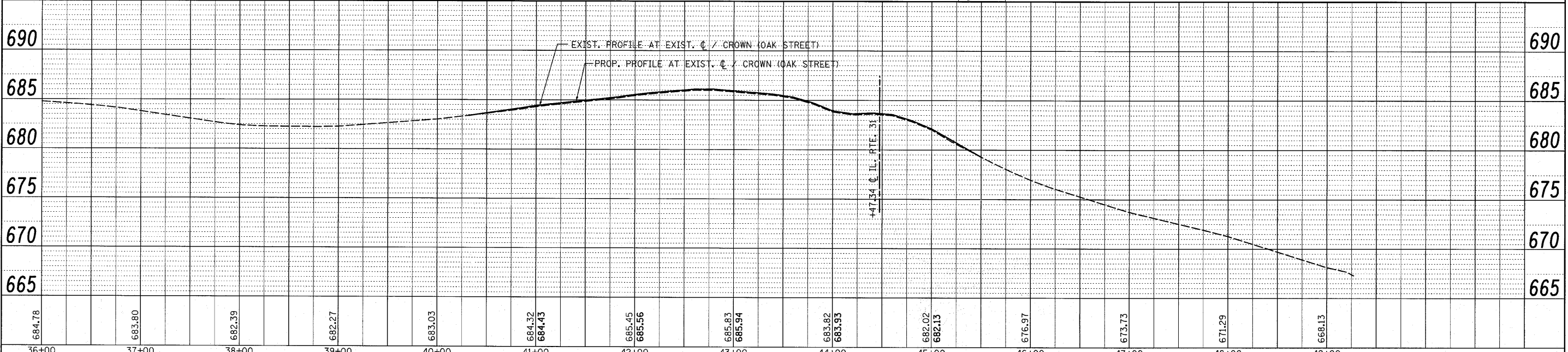
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 GRADES CHECKED _____
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 NO. _____



EXISTING

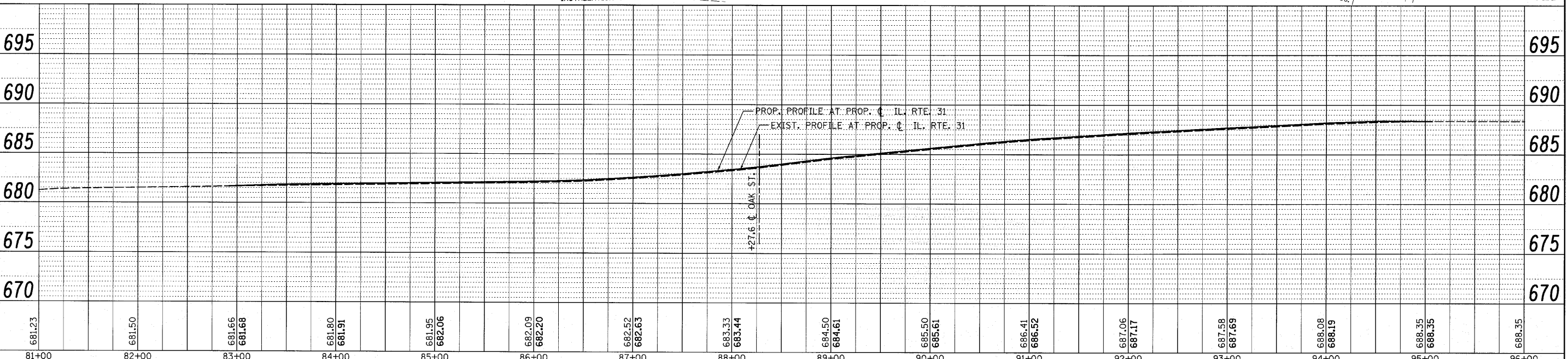
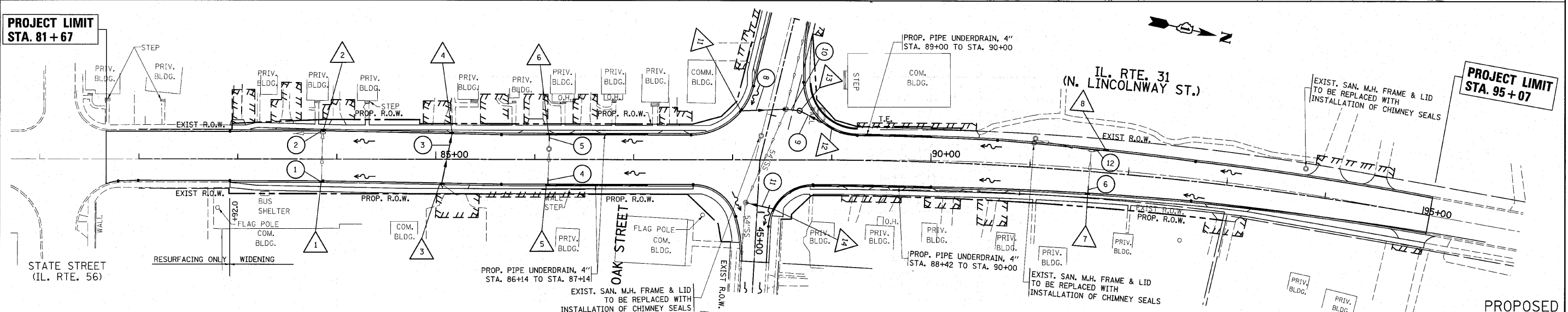
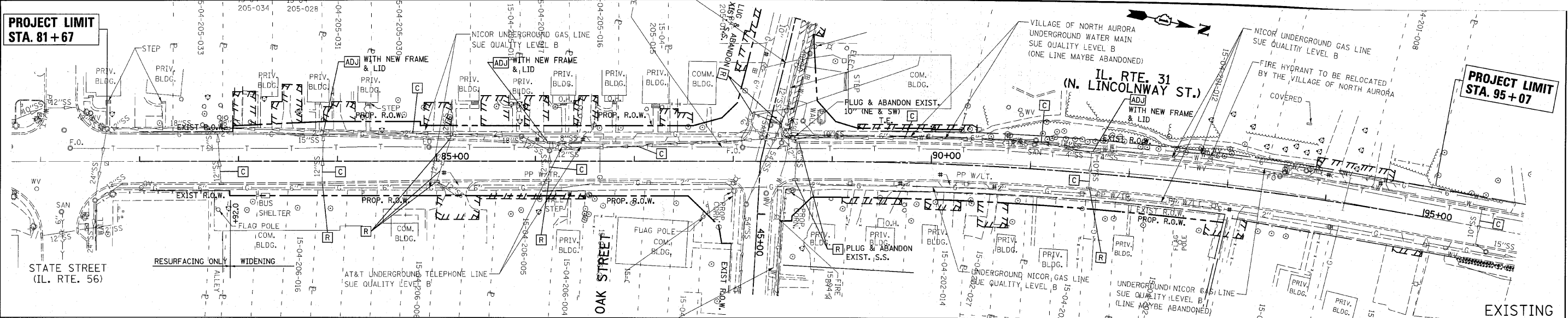


PROPOSED



FILE NAME = P101603-sht-drainvdgn	USER NAME = ulrichkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OAK ST. @ IL. RTE. 31 EXISTING & PROPOSED DRAINAGE & UTILITY PLAN	F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 21	CONTRACT NO. 62914		
PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED -	SCALE: 1"=50'			SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					
PLOT DATE = 4/30/2010	DATE -	REVISED -											

= DRIVEWAY PAVEMENT REMOVAL (TYP.)



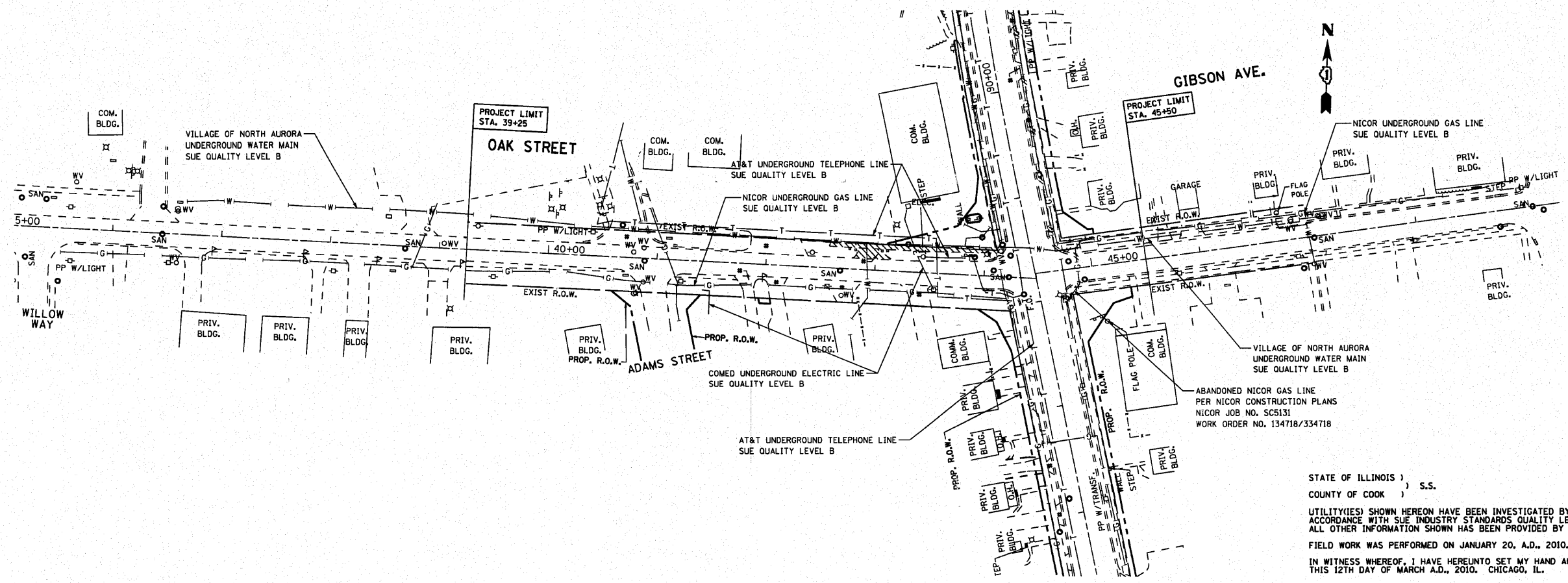
DATE: _____
 BY: _____
 SURVEYED: _____
 PLAN: _____
 NOTE BOOK: _____
 CHECKED: _____
 NO.: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PROFILE: _____
 GRADES CHECKED: _____
 NOTE BOOK: _____
 CHECKED: _____
 NO.: _____

FILE NAME = P101603-ahs-drain.dgn	USER NAME = wj-ckhd	DESIGNED -	REVISED -	IL. RTE. 31 @ OAK STREET		F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 22
PLOT SCALE = 50.000' / IN.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		EXISTING & PROPOSED DRAINAGE & UTILITY PLAN		CONTRACT NO. 62914		ILLINOIS FED. AID PROJECT
PLOT DATE = 4/30/2010				SCALE: 1"=50'		SHEET NO. OF SHEETS		STA. TO STA.		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY



STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED ON JANUARY 20, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 12TH DAY OF MARCH A.D., 2010. CHICAGO, IL.



Steven M. Rienks
STEVEN M. RIENKS ILLINOIS PROFESSIONAL ENGINEER
ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2011

LEGEND

— T —	EXISTING UNDERGROUND TELEPHONE
— W —	EXISTING UNDERGROUND WATER
— E —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING UNDERGROUND GAS

- NOTES:**
- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 62914 AND DESIGN NUMBER D-91-128-05, DATED MAY 6, 2008.
 - AT&T HAS RELOCATED THEIR FACILITIES IN THIS AREA. AT&T LINES SHOWN ARE IN THEIR CURRENT LOCATION.
 - COMCAST DOES NOT HAVE ANY UNDERGROUND FACILITIES WITHIN THE PROJECT LIMITS.
 - RELOCATED WATERLINES SHOWN ARE IN THEIR CURRENT LOCATION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL. RTE. 31 (W. LINCOLNWAY ST.)
AT OAK ST./GIBSON AVE.
SUE INVESTIGATION OF
UNDERGROUND UTILITIES

SCALE: VERT. 1"=50'
HORIZ. DATE 03-12-2010

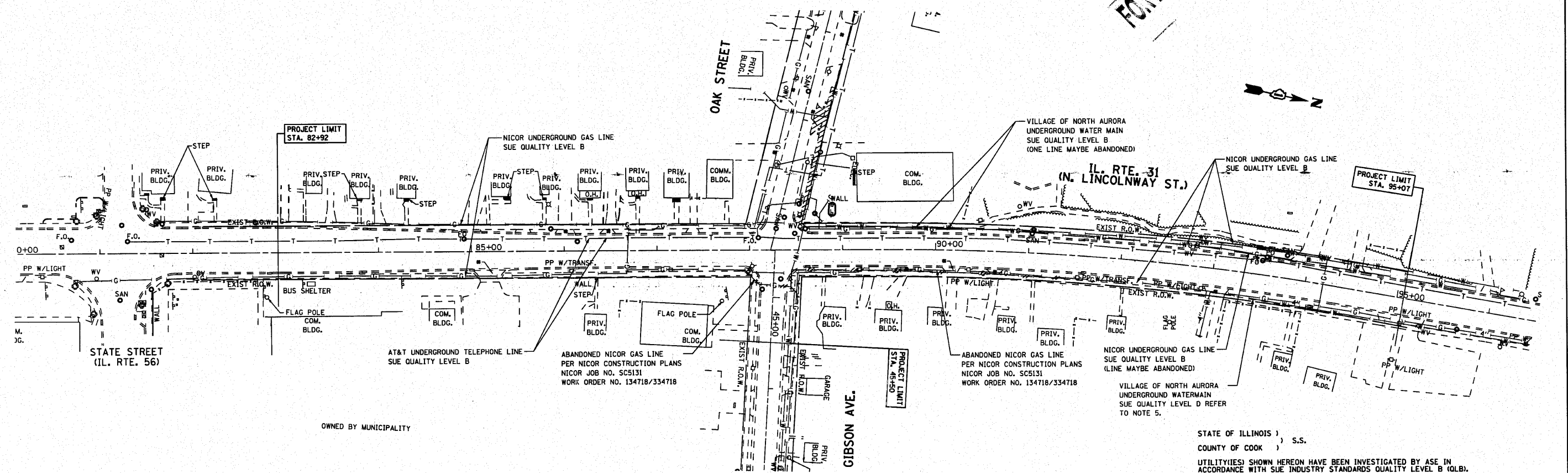
DRAWN BY CTT
CHECKED BY SMR

AMERICAN
SURVEYING & ENGINEERING, P.C.
SURVEYORS • ENGINEERS
GEODETSISTS • MAPPING SCIENTISTS

Chicago 773-444-0800 / Fax 773-444-0808
Dixons 815-298-6231 / Fax 815-298-6277
Aurora 603-917-4106 / Fax 630-917-4121
Illinois Professional Design Firm No. 184-003192

CONTRACT NO. 62914				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	25
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY



STATE OF ILLINOIS) S.S.
COUNTY OF COOK)
UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.
FIELD WORK WAS PERFORMED ON JANUARY 20, A.D., 2010.
IN WITNESS WHEREOF, I HAVE HERELINTO SET MY HAND AND SEAL THIS 12TH DAY OF MARCH A.D., 2010. CHICAGO, IL.



Steven M. Rienks
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2011

LEGEND

— T —	EXISTING UNDERGROUND TELEPHONE
— W —	EXISTING UNDERGROUND WATER
— E —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING UNDERGROUND GAS

- NOTES:**
- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 62914 AND DESIGN NUMBER D-91-128-05, DATED MAY 6, 2008.
 - AT&T HAS RELOCATED THEIR FACILITIES IN THIS AREA. AT&T LINES SHOWN ARE IN THEIR CURRENT LOCATION.
 - COMCAST DOES NOT HAVE ANY UNDERGROUND FACILITIES WITHIN THE PROJECT LIMITS.
 - RELOCATED WATERLINES SHOWN ARE IN THEIR CURRENT LOCATION.
 - LEVEL D INFORMATION ON 4" WATERMAIN PROVIDED BY REMPE-SHARPE AND ASSOCIATES, INC.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	IL. RTE. 31 (W. LINCOLNWAY ST.) AT OAK ST./GIBSON AVE. SUE INVESTIGATION OF UNDERGROUND UTILITIES	
		SCALE: VERT. 1"=50'	DRAWN BY CTT
		HORIZ. 1"=50'	CHECKED BY SMR
		DATE 03/12/2010	

AMERICAN
SURVEYING & ENGINEERING, P.C.
SURVEYORS • ENGINEERS
GEODESISTS • MAPPING SCIENTISTS
Chicago 773-444-0000 / Fax 773-444-0008
Downers Grove 630-288-6231 / Fax 630-288-6277
Aurora 630-897-4105 / Fax 630-897-4121
Illinois Professional Design Firm No. 184-003192

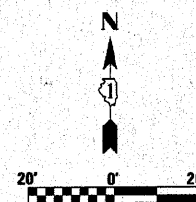
PLOT DATE
FILE NAME
USER NAME

PART OF THE NE 1/4, SEC. 4, T38N, R8 EAST OF THE 3rd PM, KANE COUNTY, ILLINOIS

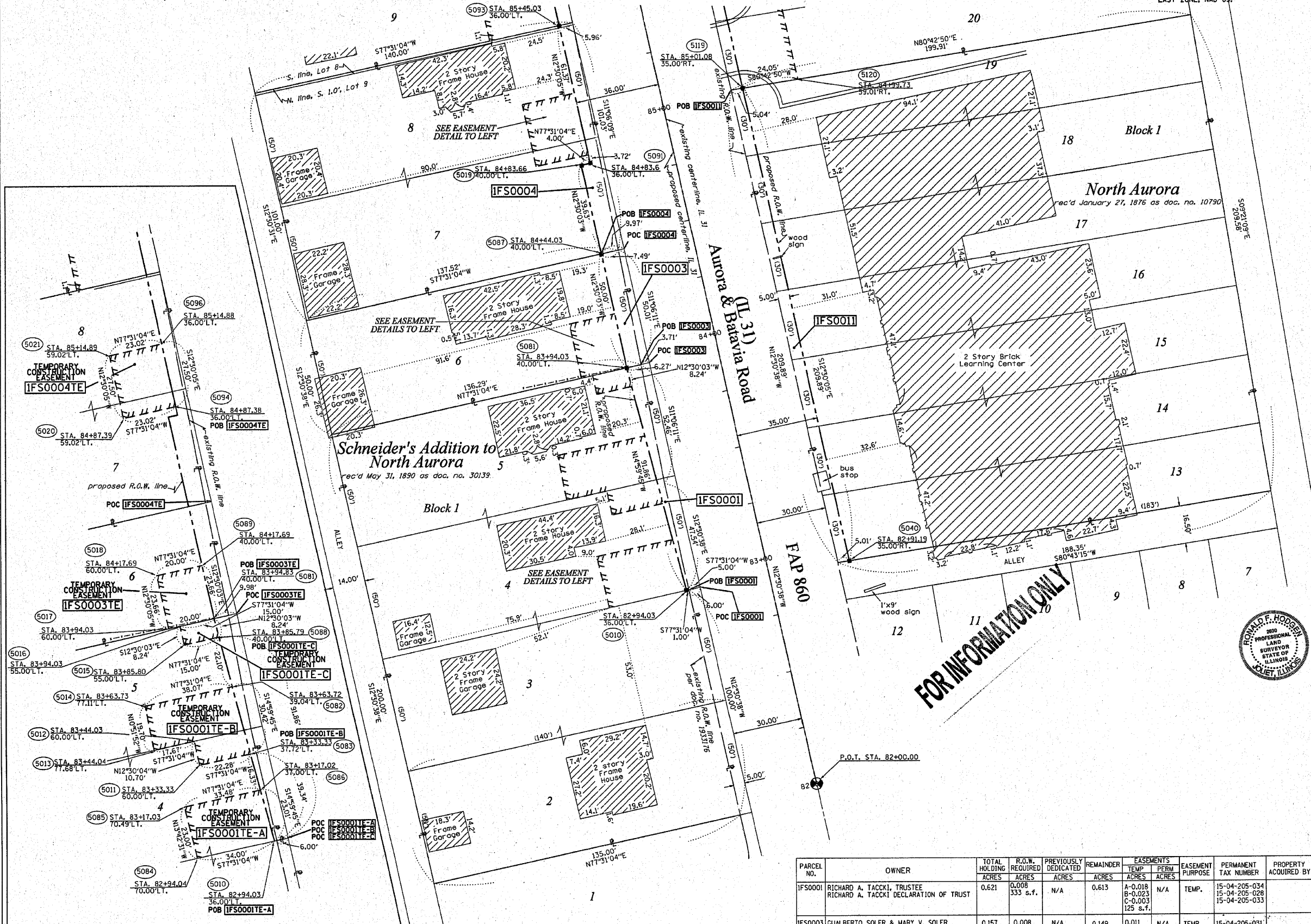
SEE CONTINUATION ON SHEET 3

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860 (IL 31)		KANE	77	26
STATION 82+00		TO STATION 85+50		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



- LEGEND**
- EXISTING CENTERLINE
 - - - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - - - PROPOSED RIGHT OF WAY LINE
 - ||| PROPOSED EASEMENT LINE
 - SECTION LINE
 - PROPERTY (DEED) 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.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
 - STAKING OF PROPOSED RIGHT OF WAY. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 3/8 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.



FOR INFORMATION ONLY



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 SECTION 4, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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.

DATE AT JOLIET, ILLINOIS THIS 13th DAY OF OCTOBER, 2006.

Ronald F. Hodgen
 RONALD F. HODGEN P.L.S. NO. 2630
 MY LICENSE EXPIRES 11-30-2006

EASEMENT DETAILS
 Scale: 1"=20'

PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	ACRES	ACRES	TEMP	PERM			
IFS0001	RICHARD A. TACKKI, TRUSTEE RICHARD A. TACKKI DECLARATION OF TRUST	0.621	0.008 333 s.f.	N/A	0.613	A-0.018 B-0.023 C-0.003 125 s.f.	N/A	TEMP.	15-04-205-034 15-04-205-028 15-04-205-033	
IFS0003	GUALBERTO SOLER & MARY V. SOLER	0.157	0.008 344 s.f.	N/A	0.149	0.011	N/A	TEMP.	15-04-205-031	
IFS0004	DAVID J. PETERSON & CYNTHIA PETERSON	0.322	0.015	N/A	0.307	0.015	N/A	TEMP.	15-04-205-050	
IFS0011	VILLAGE OF NORTH AURORA	0.934	0.024	N/A	0.910	N/A	N/A	TEMP.	15-04-206-016	

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 214 ONEIDA STREET
 JOLIET, ILLINOIS 60435
 2630 SOUTH WASHINGTON STREET SUITE 170
 NAPERVILLE, ILLINOIS 60565
 PH (630) 744-6600 FAX (630) 744-0101 PH (630) 420-1740 FAX (630) 420-1741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP 860 (IL 31)

KANE COUNTY
 JOB NO. R-91-008-04
 STATION 82+00 TO STATION 85+50

SCALE: 1"=20' SHEET 2 OF 10

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

SHEET 1 OF 10 IS A COVER SHEET AND IS NOT RECORDED
 RT&A 20050829IL 31

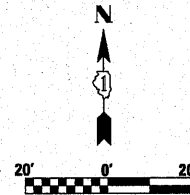
REVISION 8-16-06 / ADDED BLDGS, 0001

PART OF THE NE 1/4, SEC. 4, T38N, R8 EAST OF THE 3rd PM, KANE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860 (IL 31)	85+00	KANE	77	27
STATION 85+00		TO STATION 88+50		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SEE CONTINUATION ON SHEET 5



PARCEL NO.	OWNER	TOTAL ACRES	R.O.W. ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
IFS0006	NITIDA ANBUDAIYAN & DIVAKARAN ANBUDAIYAN	0.158	0.007	N/A	0.151	A-0.020 B-0.003 150s.f.	N/A	N/A	15-04-205-018	
IFS0007	LARRY S. BURNS & LINDA K. BURNS	0.161	0.007	N/A	0.154	A-0.013 B-0.003 119s.f.	N/A	N/A	15-04-205-017	
IFS0008	RANDY J. KEUP	0.161	0.007	N/A	0.154	0.013	N/A	N/A	15-04-205-016	
IFS0009	JOSEPH G. HOPP, SR. & DANA K. HOPP	0.161	0.007	N/A	0.154	0.007 306s.f.	N/A	N/A	15-04-205-015	
IFS0010	SCOTT E. NOVIKI REVOCABLE TRUST & JACQUELINE R. NOVIKI REVOCABLE TRUST AS CO-TRUSTEES, 4/24/06	0.253	0.040	N/A	0.213	A-0.004 191s.f. B-0.015	N/A	N/A	15-04-205-014	

FOR INFORMATION ONLY

LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (23.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/2" IRON ROD
- PERMANENT SURVEY MONUMENT
- 10.0' STD. 2" IS (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
- STAKING OF PROPOSED RIGHT OF WAY. SET 1/2" IRON ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 1/2" IRON 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

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 4, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 11-30-2010

RECEIVED

NOV 05 2009

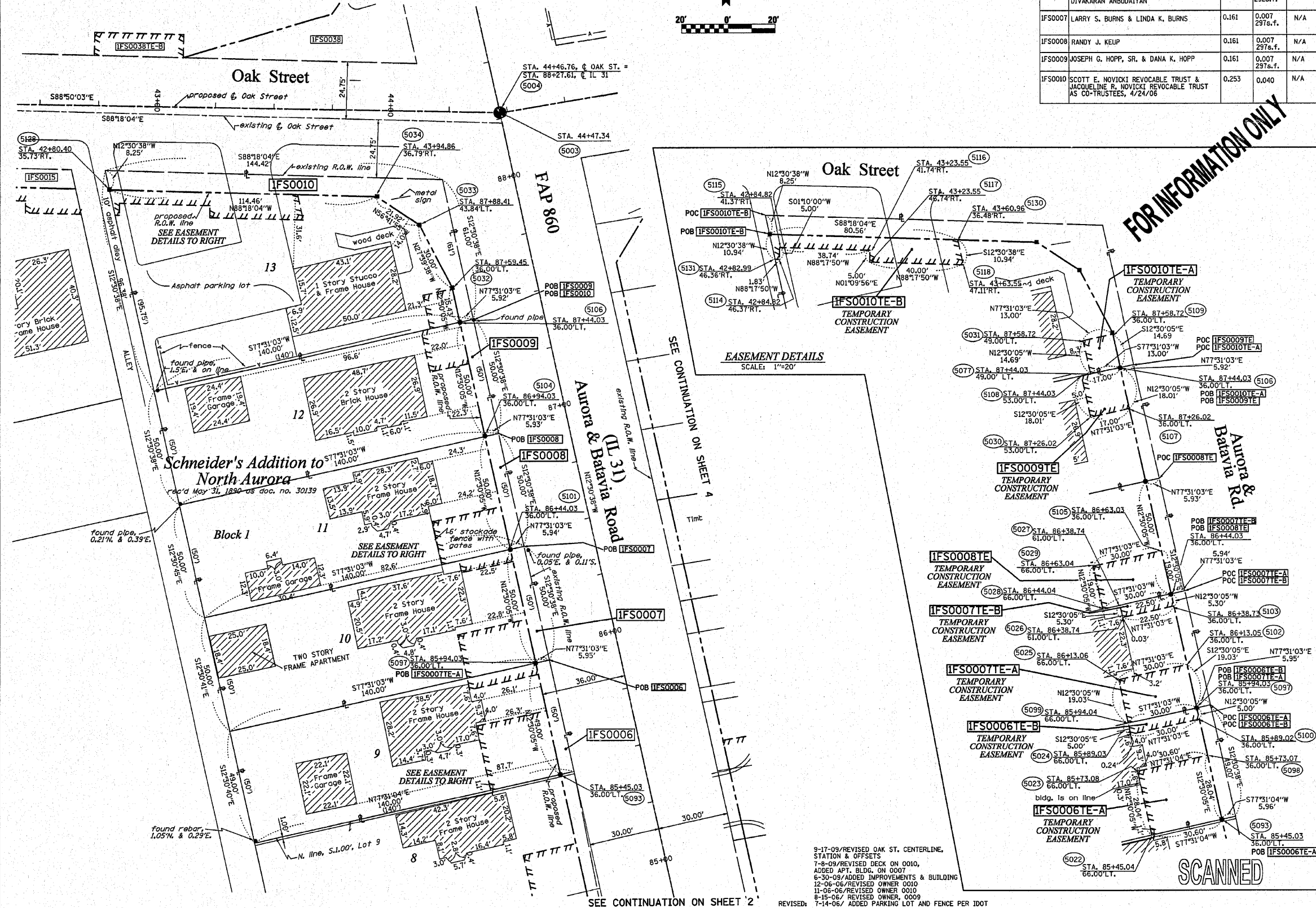
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 OHEDA STREET
JOLIET, ILLINOIS 60435
PH (815) 744-6600 FAX (815) 744-0001 PH (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP 860 (IL 31)
KANE COUNTY
JOB NO. R-91-008-04
STATION 85+00 TO STATION 88+50

SCALE: 1"=20' SHEET 3 OF 10
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
301 WEST CENTER COURT
SCHAMBERG, ILLINOIS 60196

SHEET 1 OF 10 IS A COVER SHEET AND IS NOT RECORDED
R7&A 20050829JL 311

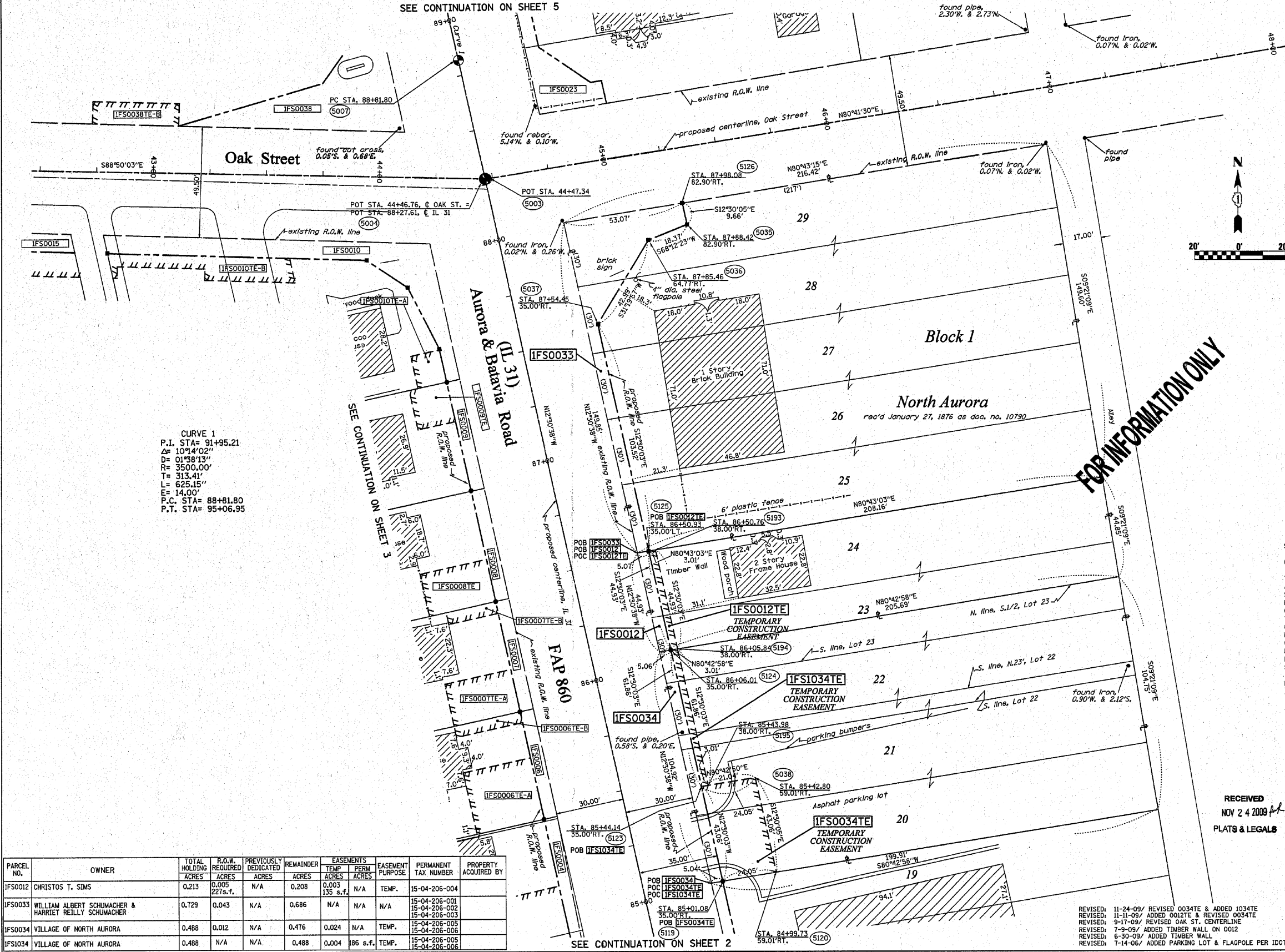


9-17-09/REVISED OAK ST. CENTERLINE, STATION & OFFSETS
7-8-09/REVISED DECK ON 0010, ADDED APT. BLDG. ON 0007
6-30-09/ADDED IMPROVEMENTS & BUILDING
12-06-06/REVISED OWNER 0010
11-06-06/REVISED OWNER 0010
8-15-06/ REVISED OWNER, 0009
REVISED: 7-14-06/ ADDED PARKING LOT AND FENCE PER IDOT

PART OF THE NE 1/4, SEC. 4, T38N, R8 EAST OF THE 3rd PM, KANE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860	31	KANE	77	28
STATION 85+00		TO STATION 88+50		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



CURVE 1
 P.I. STA= 91+95.21
 ΔR= 10°14'02"
 D= 01°58'13"
 R= 3500.00'
 T= 313.41'
 L= 625.15'
 E= 14.00'
 P.C. STA= 88+81.80
 P.T. STA= 95+06.95

LEGEND

- EXISTING CENTERLINE
- - - PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- - - PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
- 121.45 MEASURED DIMENSION
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- (123.45) RECORDED DIMENSION
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- 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
- L67 EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY, SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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SECTION CORNER QUARTER CORNER

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 SECTION 4, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 11-30-2010

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Lead Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 2174 ONEIDA STREET 2630 SOUTH WASHINGTON STREET SUITE 170
 JOLIET, ILLINOIS 60438 NAPERVILLE, ILLINOIS 60563
 PH (815) 744-6600 FAX (815) 744-0101 PH (630) 420-7140 FAX (630) 420-1741

RECEIVED
 NOV 24 2009
 PLATS & LEGALS

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP 860 (IL 31)

KANE COUNTY
 JOB NO. R-91-008-04
 STATION 85+00 TO STATION 88+50

SCALE: 1"=20'
 SHEET 4 OF 10

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

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
IFS0012	CHRISTOS T. SIMS	0.213	0.005	N/A	0.208	0.003	N/A	15-04-206-004	
IFS0033	WILLIAM ALBERT SCHUMACHER & HARRIET REILLY SCHUMACHER	0.729	0.043	N/A	0.686	N/A	N/A	15-04-206-001 15-04-206-002 15-04-206-003	
IFS0034	VILLAGE OF NORTH AURORA	0.488	0.012	N/A	0.476	0.024	TEMP.	15-04-206-005 15-04-206-006	
IFS1034	VILLAGE OF NORTH AURORA	0.488	N/A	N/A	0.488	0.004	86 s.f. TEMP.	15-04-206-005 15-04-206-006	

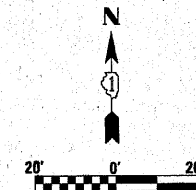
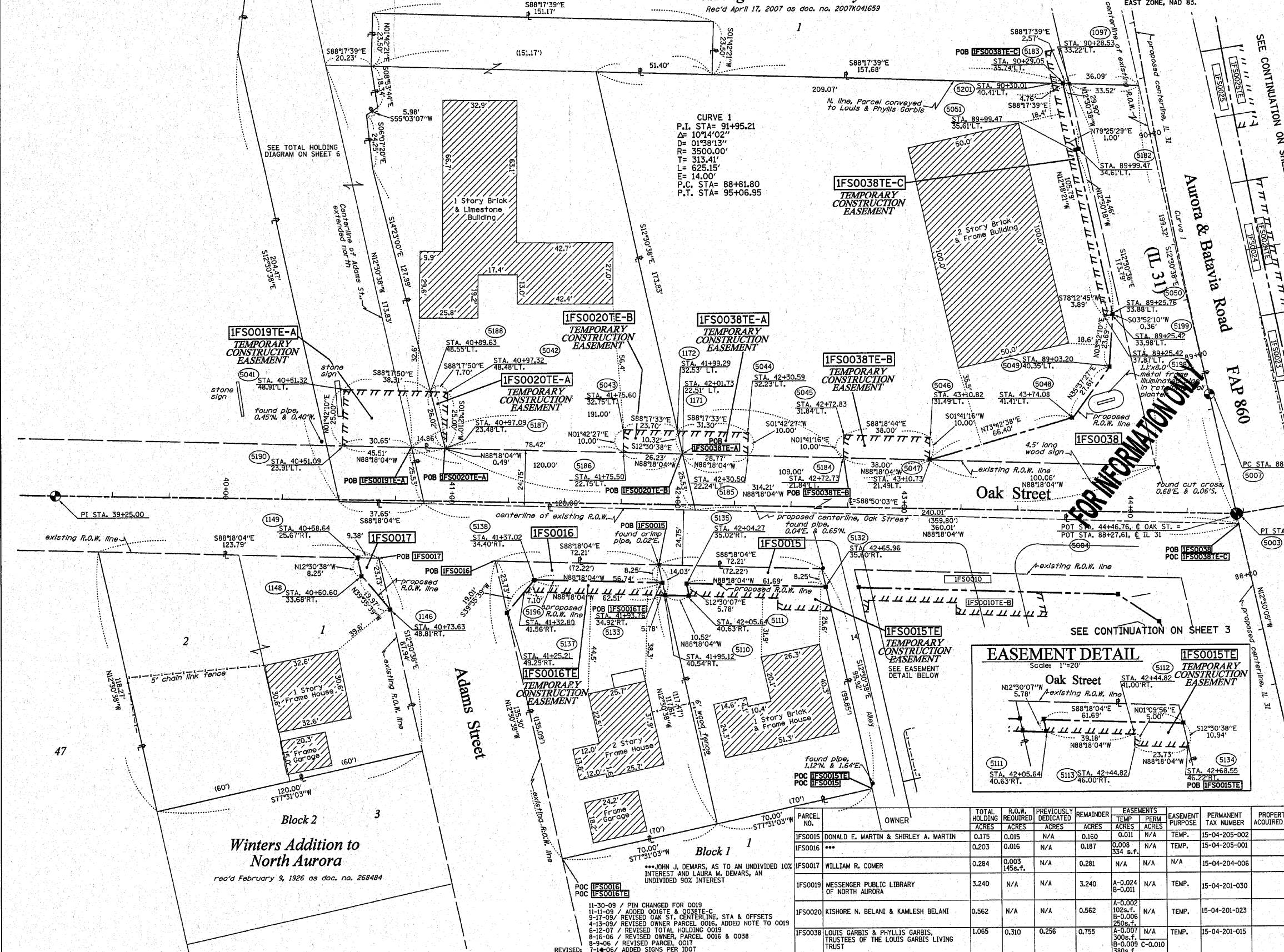
FOR INFORMATION ONLY

Messenger Public Library Resub.

SEE CONTINUATION ON SHEET 6

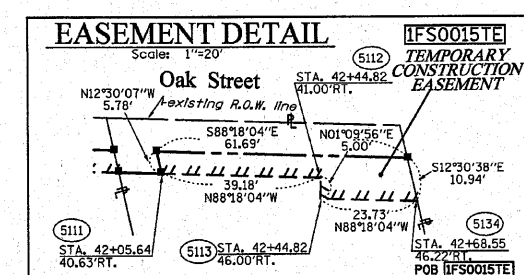
BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860	39+25	KANE	77	29
STATION 39+25 TO STATION 44+50				
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/4 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
- 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 DESCRIPTION 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 DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ⊕ SECTION CORNER
- ⊕ QUARTER SECTION CORNER



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. DEDICATED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP. PERM. ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
IFS00015	DONALD E. MARTIN & SHIRLEY A. MARTIN	0.175	0.015	N/A	0.160	0.011	N/A	TEMP. 15-04-205-002	
IFS00016	***	0.203	0.016	N/A	0.187	0.008	334 s.f.	TEMP. 15-04-205-001	
IFS00017	WILLIAM R. COMER	0.284	0.003	N/A	0.281	N/A	N/A	TEMP. 15-04-204-006	
IFS00019	MESSENGER PUBLIC LIBRARY OF NORTH AURORA	3.240	N/A	N/A	3.240	A-0.024 B-0.011	N/A	TEMP. 15-04-201-030	
IFS00020	KISHORE N. BELANI & KAMLESH BELANI	0.562	N/A	N/A	0.562	A-0.002 1026 s.f. B-0.006 2506 s.f.	N/A	TEMP. 15-04-201-023	
IFS00038	LOUIS GARBIS & PHYLLIS GARBIS, TRUSTEES OF THE LOUIS GARBIS LIVING TRUST	1.065	0.310	0.256	0.755	A-0.007 3006 s.f. B-0.009 C-0.010 380 s.f.	N/A	TEMP. 15-04-201-015	

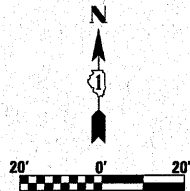
STATE OF ILLINOIS)
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 4, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE 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 11-30-2010

RECEIVED
 NOV 30 2009
 PLATS & LEGALS
 RUETTIGER, TONELLI & ASSOCIATES, INC.
 Lead Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 2074 OHIO STREET 2630 SOUTH WASHINGTON STREET SUITE 170
 JOLIET, ILLINOIS 62455 WAPERVILLE, ILLINOIS 60565
 PH. (815) 744-6600 FAX (815) 744-0001 PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP 860 (IL 31)
 KANE COUNTY
 JOB NO. R-91-008-04
 STATION 39+25 TO STATION 44+50
 SCALE: 1"=20' SHEET 5 OF 10
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 SCHAMBERG, ILLINOIS 60196

PART OF THE NE 1/4, SEC. 4, T38N, R8 EAST OF THE 3rd PM, KANE COUNTY, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860 (IL 31)		KANE	77	30
STATION 90+25 TO STATION 94+25		TO STATION 94+25		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



CURVE 1
 P.I. STA= 91+95.21
 Δ= 104°4'02"
 D= 01°38'13"
 R= 3500.00'
 T= 313.41'
 L= 625.15'
 E= 14.00'
 P.C. STA= 88+81.80
 P.T. STA= 95+06.95

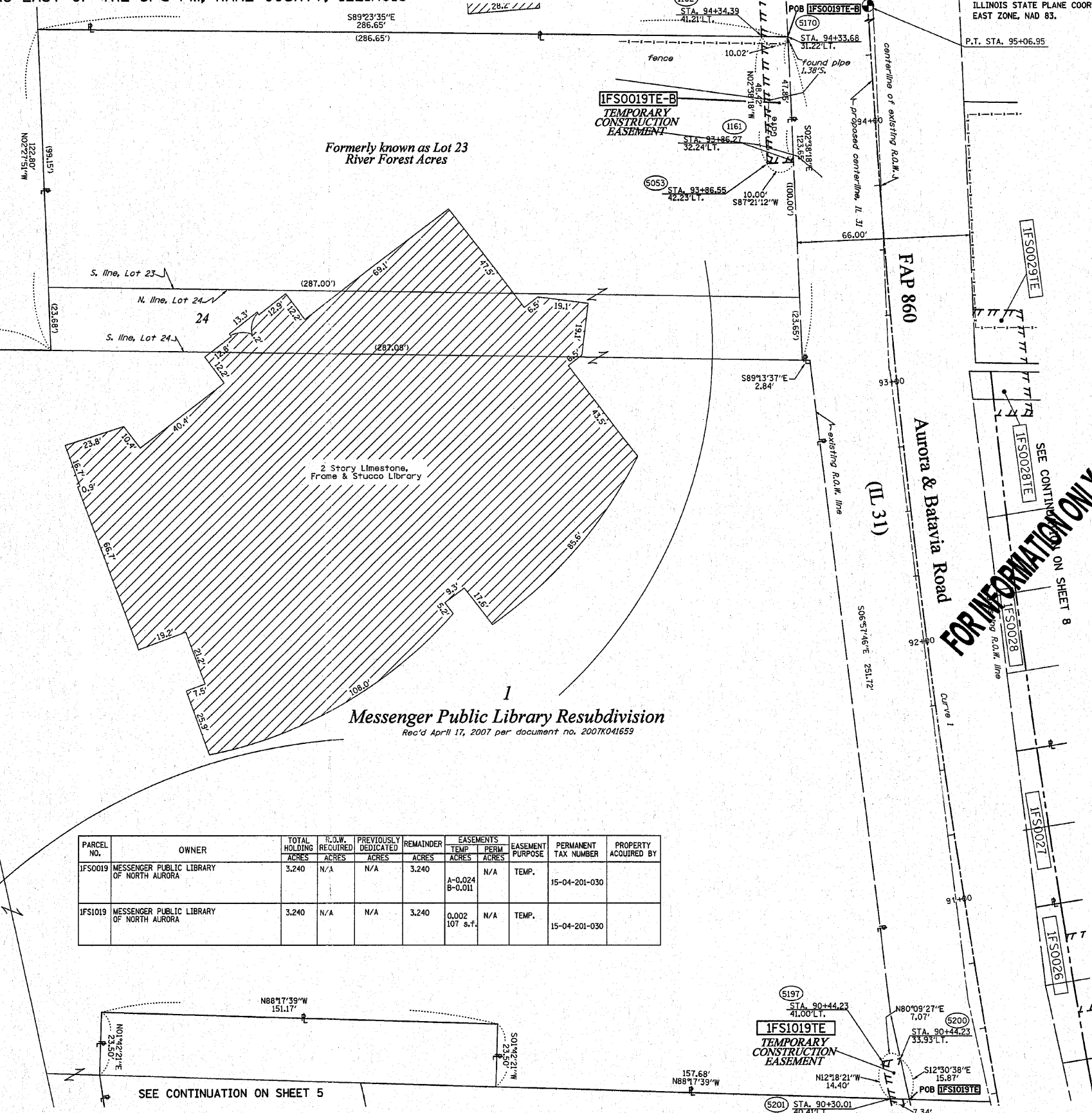
LEGEND

- EXISTING CENTERLINE
- - - PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- - - PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
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- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/4 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
- XLGT EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD

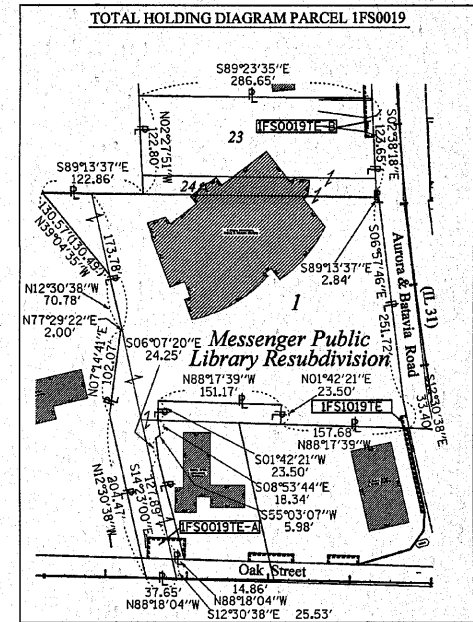
- STAKING OF PROPOSED RIGHT OF WAY. SET 1/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 1/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



REVISIONS:
 5-22-07 / REVISED TOTAL HOLDING, 0019
 4-15-08 / ADDED NOTE TO 0019
 6-30-09 / ADDED LABEL
 7-9-09 / LABELED GATE ON 0019TE-B
 11-11-09 / ADDED 0019TE-C
 11-18-09 / REVISED PARCEL NUMBER 0019TE-C TO 1019TE
 11-30-09 / REVISED PIN FOR PARCELS 0019 & 1019



PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	ACRES	ACRES	TEMP	PERM			
IFS0019	MESSENGER PUBLIC LIBRARY OF NORTH AURORA	3.240	N/A	N/A	3.240	A-0.024	N/A	TEMP.	15-04-201-030	
IFS1019	MESSENGER PUBLIC LIBRARY OF NORTH AURORA	3.240	N/A	N/A	3.240	0.002	N/A	TEMP.	15-04-201-030	



FOR INFORMATION ONLY

STATE OF ILLINOIS)
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 4, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 11-30-2010

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 2174 ONEIDA STREET JOLIET, ILLINOIS 62458
 2630 SOUTH WASHINGTON STREET SUITE 170 MAPLEVIEW, ILLINOIS 62456
 PH. (815) 744-6600 FAX (815) 744-0018 PH. (630) 420-1160 FAX (630) 420-1741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP 860 (IL 31)
 KANE COUNTY
 JOB NO. R-91-008-04
 STATION 90+25 TO STATION 94+25

SCALE: 1"=20'
 SHEET 6 OF 10
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 SCHAMBERG, ILLINOIS 60196

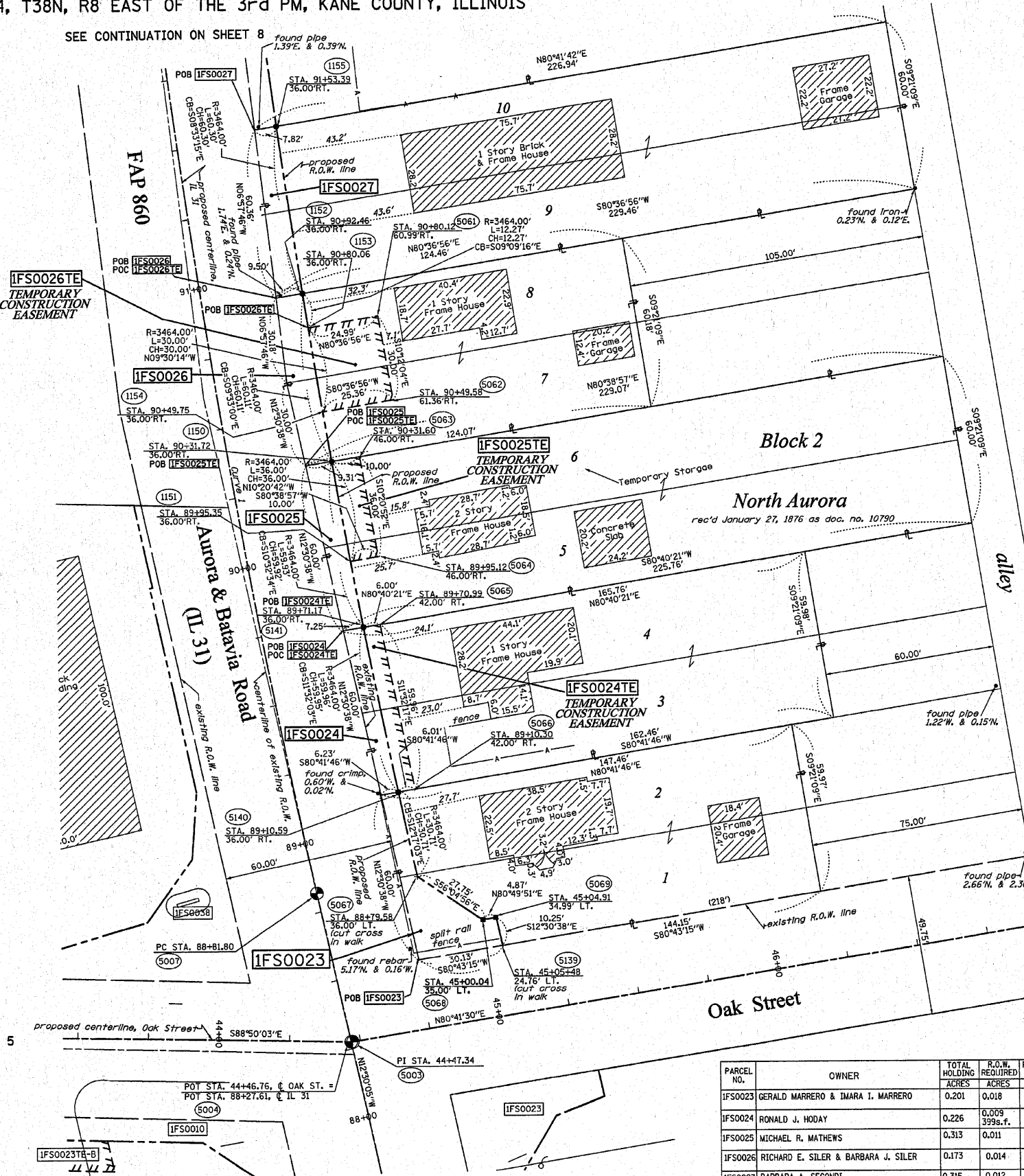
SHEET 1 OF 10 IS A COVER SHEET AND IS NOT RECORDED
 RT&A 20050829IL 31J

PART OF THE NE 1/4, SEC. 4, T38N, R8 EAST OF THE 3rd PM, KANE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

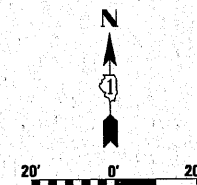
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860	IL 31	KANE	77	31
STATION 88+00		TO STATION 91+75		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

SEE CONTINUATION ON SHEET 8



CURVE 1
 P.I. STA= 91+95.21
 Δ= 10°14'02"
 D= 01°38'13"
 R= 3500.00'
 T= 313.41'
 L= 625.15'
 E= 14.00'
 P.C. STA= 88+81.80
 P.T. STA= 95+06.95

FOR INFORMATION ONLY



- LEGEND**
- EXISTING CENTERLINE
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 - EXISTING RIGHT OF WAY LINE
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 - (123.45) RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD
 - SET 3/8" IRON ROD PERMANENT SURVEY MONUMENT, (TO BE SET BY OTHERS)
 - ⊕ I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - ⊕ CUT CROSS FOUND OR SET
 - SAME OWNERSHIP
 - ⊕ TEL EXISTING TELEPHONE SPLICE BOX
 - ⊕ L67 EXISTING STREET LIGHT
 - ⊕ MAIL EXISTING MAIL BOX
 - ⊕ WELL EXISTING WELL HEAD
 - STAKING OF PROPOSED RIGHT OF WAY. SET 3/8" METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 3/8" IRON 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.

STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 4, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 11-30-2010

SCANNED

RECEIVED
 NOV 05 2009
 PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 214 ONEIDA STREET 2630 SOUTH WASHINGTON STREET SUITE 170
 JOLIET, ILLINOIS 60438 HAWPERVILLE, ILLINOIS 60465
 PH (815) 744-6800 FAX (815) 744-0021 PH (815) 420-7160 FAX (815) 420-7141

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP 860 (IL 31)
 KANE COUNTY
 JOB NO. R-91-008-04
 STATION 88+00 TO STATION 91+75

SCALE: 1"=20' SHEET 7 OF 10

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
IFS0023	GERALD MARRERO & IMARA I. MARRERO	0.201	0.018	N/A	0.183	N/A	N/A	N/A	15-04-202-017	
IFS0024	RONALD J. HODAY	0.226	0.009	N/A	0.217	0.008	365 s.f.	N/A	15-04-202-015	
IFS0025	MICHAEL R. MATHEWS	0.313	0.011	N/A	0.302	0.008	361 s.f.	N/A	15-04-202-014	
IFS0026	RICHARD E. SILER & BARBARA J. SILER	0.173	0.014	N/A	0.159	0.017	N/A	TEMP.	15-04-202-027	
IFS0027	BARBARA A. SECONDI	0.315	0.012	N/A	0.303	N/A	N/A	N/A	15-04-202-011	

REVISED: 9-17-09 / REVISED OAK ST. CENTERLINE, STA. & OFFSETS
 REVISED: 7-9-09 / ADDED GARAGE ON 0027 & REMOVED GARAGE ON 0025
 REVISED: 6-30-09 / ADDED STORAGE & GARAGE & CONCRETE

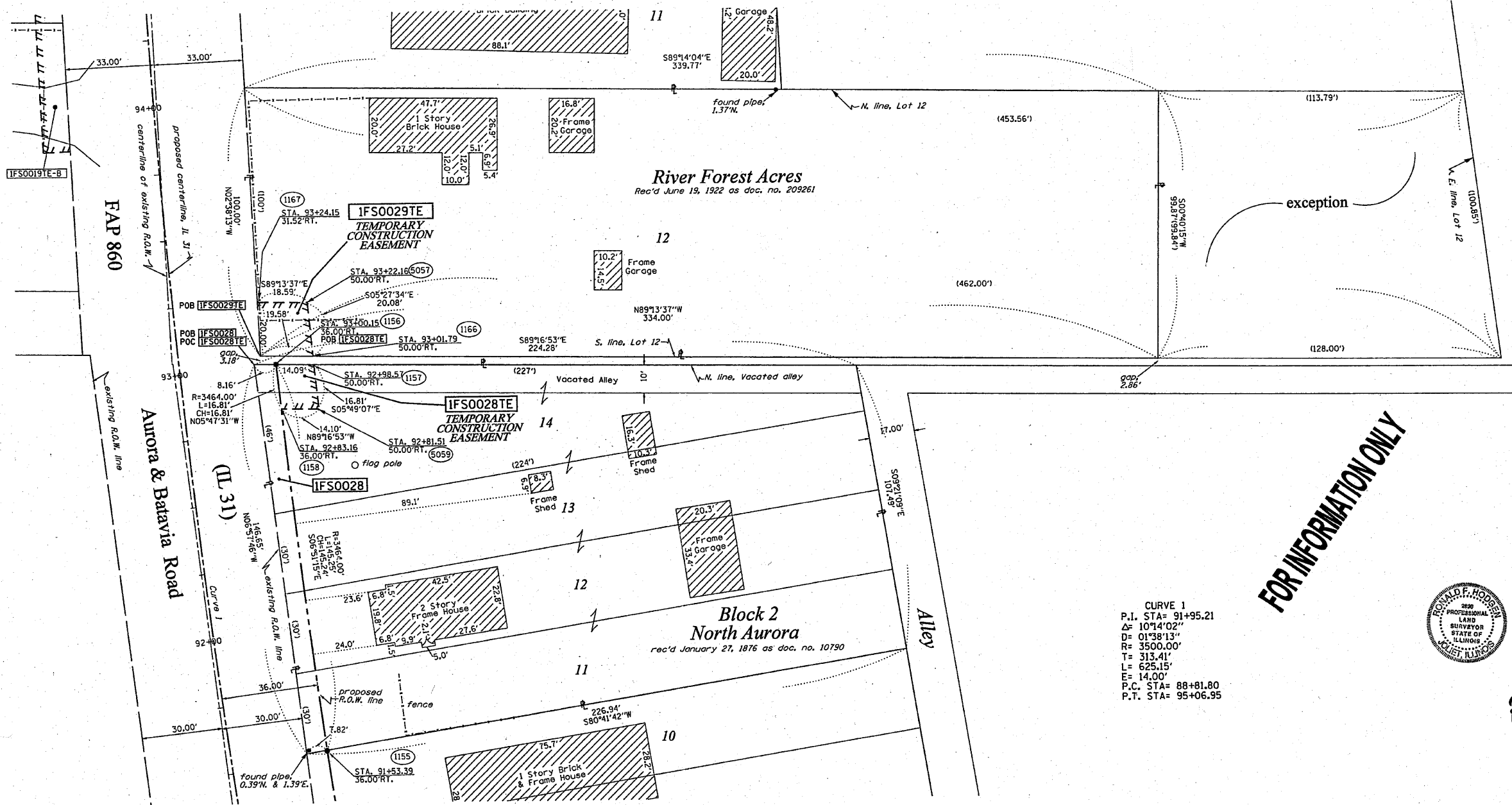
SEE CONTINUATION ON SHEET 4

SEE CONTINUATION ON SHEET 5

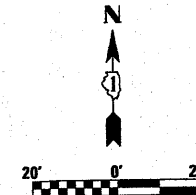
BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860 (IL 31)		KANE	77	32
STATION 91+50		TO STATION 94+25		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

SEE CONTINUATION ON SHEET 9



SEE CONTINUATION ON SHEET 7

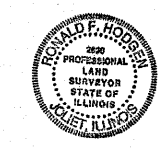


LEGEND

- EXISTING CENTERLINE
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- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
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- 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
- ⊕ LGT EXISTING STREET LIGHT
- ⊕ MAIL EXISTING MAIL BOX
- ⊕ BOX EXISTING WELL HEAD
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FOR INFORMATION ONLY

CURVE 1
 P.I. STA= 91+95.21
 Δ= 10°14'02"
 D= 01°38'13"
 R= 3500.00'
 T= 313.41'
 L= 625.15'
 E= 14.00'
 P.C. STA= 88+81.80
 P.T. STA= 95+06.95



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 SECTION 4, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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.

DATE OF SURVEY, ILLINOIS THIS 23rd DAY OF OCTOBER 2006 A.D.

Ronald F. Hodgen
 RONALD F. HODGEN P.L.S. NO. 2630
 MY LICENSE EXPIRES 11-30-2006

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Land Surveyors/Engineers/Planners/Landscape Architects/C.L.S. Consultants
 2174 ONEIDA STREET 2630 SOUTH WASHINGTON STREET SUITE 170
 MARETT, ILLINOIS 60455 WAPERVILLE, ILLINOIS 60565
 PH. (815) 744-6600 FAX (815) 744-0101 PH. (815) 420-1740 FAX (815) 420-1741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP 860 (IL 31)
 KANE COUNTY
 JOB NO. R-91-008-04
 STATION 91+50 TO STATION 94+25

SCALE: 1"=20' SHEET 8 OF 10

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

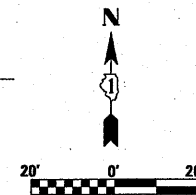
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES			
IFS0028	JOHN J. WEBER	0.654	0.025	N/A	0.629	0.005	236s.f.	N/A	TEMP.	15-04-202-031
IFS0029	STEPHEN C. GERBER & SUSAN M. GERBER	0.772	N/A	N/A	0.772	0.009	381s.f.	N/A	TEMP.	15-04-202-008

REVISION: 6-15-06 / REVISED TABLE, 0029

PART OF THE NE 1/4, SEC. 4, T38N, R8 EAST OF THE 3rd PM, KANE COUNTY, ILLINOIS

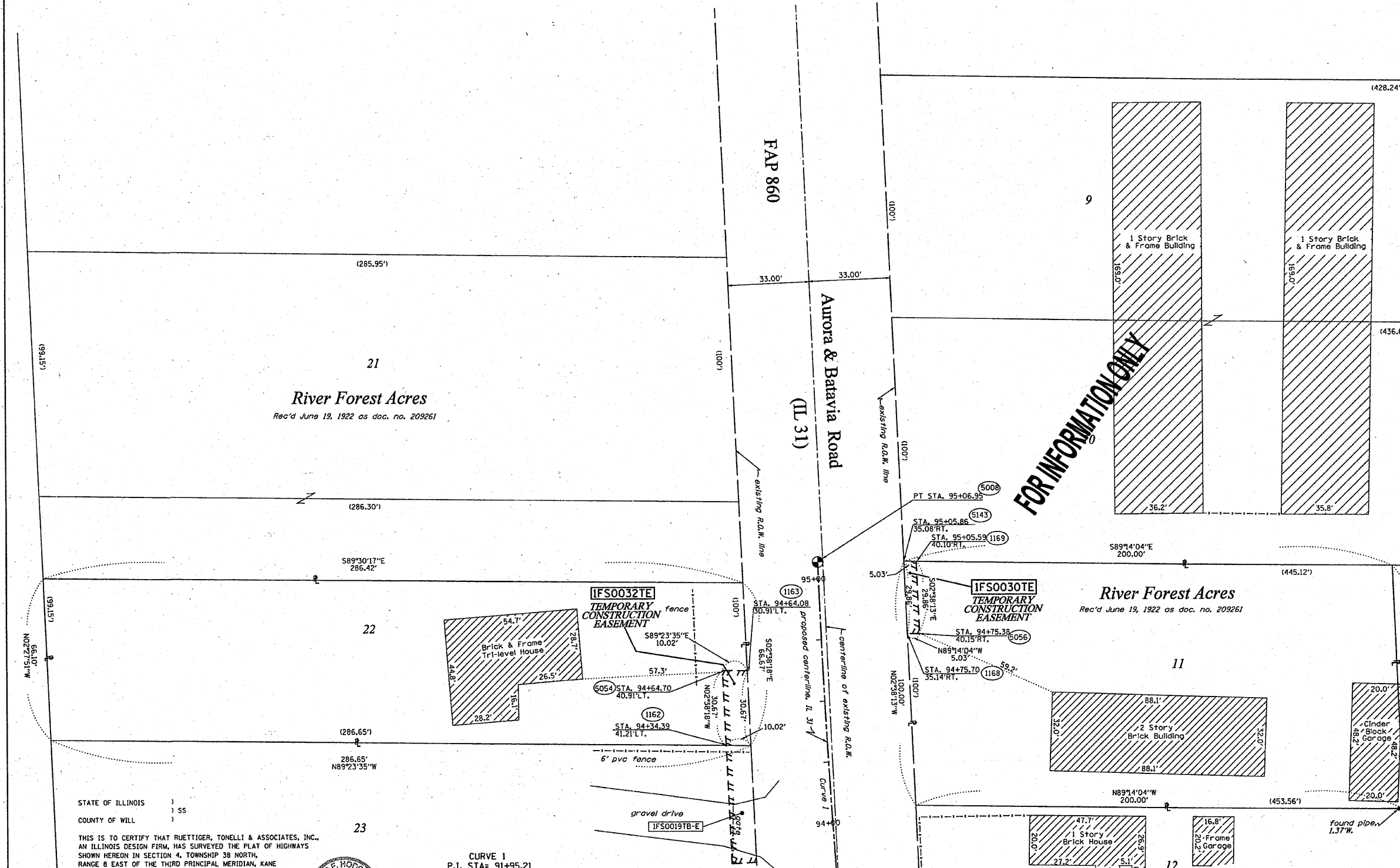
BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A.P. RTE. 860 (IL 31)	SECTION 77	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 33
STATION 94+00		TO STATION 96+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- PROPERTY IDEED LINE
- 121.45 MEASURED DIMENSION
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- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
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- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
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SEE CONTINUATION ON SHEET 8

STATE OF ILLINOIS)
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS 23rd DAY OF OCTOBER 2006.

RONALD F. HODGEN P.L.L.C. NO. 2630
MY LICENSE EXPIRES 11-30-2006



CURVE 1
P.I. STA= 91+95.21
Δ= 10°14'02"
D= 01°38'13"
R= 3500.00'
T= 313.41'
L= 625.15'
E= 14.00'
P.C. STA= 88+81.80
P.T. STA= 95+06.95

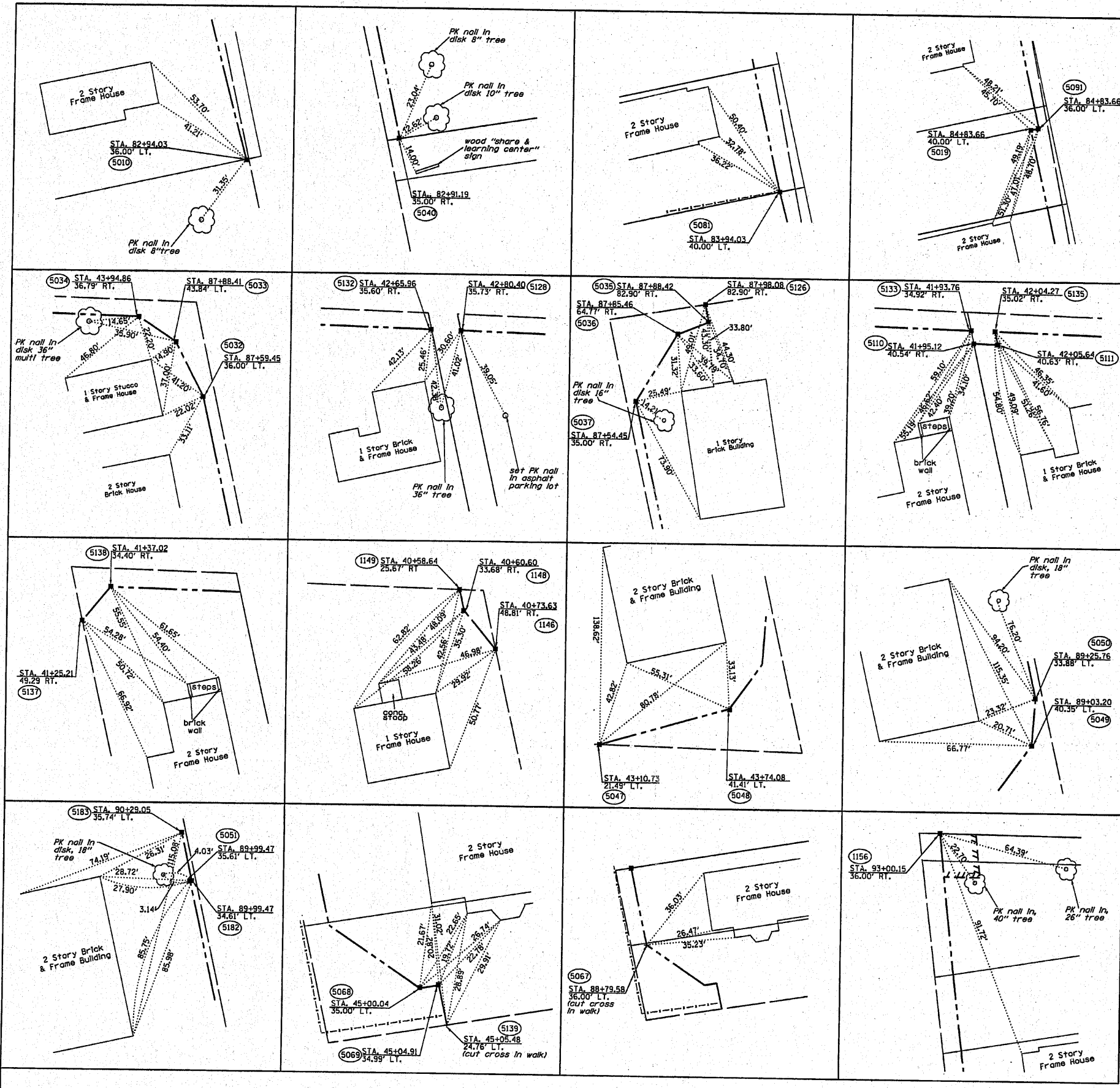
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
IFS0030	HARRIS N.A. AS TRUSTEE, TRUST NO. HT55006	0.458	N/A	N/A	0.458	0.003 150s.f.	N/A TEMP.	15-04-202-024	
IFS0032	CLIFFORD C. SPENCE & NANCY J. SPENCE	0.436	N/A	N/A	0.436	0.007 307s.f.	N/A N/A	15-04-201-008	

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/C.I.S. Consultants
214 OREGON STREET 2630 SOUTH WASHINGTON STREET SUITE 170
JOLIET, ILLINOIS 60438 MAPERVILLE, ILLINOIS 60565
PH (815) 744-6600 FAX (815) 744-0101 PH (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP 860 (IL 31)
KANE COUNTY
JOB NO. R-91-008-04
STATION 94+00 TO STATION 96+00

SCALE: 1"=20' SHEET 9 OF 10
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196

8-15-06/ REVISED OWNER, 0030
REVISED: 7-14-06/ ADDED DRIVE, FENCE & GATE PER IDOT



BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860 (IL 31)		KANE	77	34
STATION		TO STATION		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

Route 31

Point No.	Station	Offset	North	East
5040	82+91.19	35.00 RT.	1872080.182	985877.380
5010	82+94.03	36.00 LT.	1872067.579	985807.448
5082	83+83.72	39.04 LT.	1872134.963	985889.388
5081	83+94.03	40.00 LT.	1872164.344	985881.899
5097	84+44.03	40.00 LT.	1872213.169	985871.076
5091	84+83.66	36.00 LT.	1872252.718	985866.403
5019	84+83.66	40.00 LT.	1872251.854	985862.497
5093	85+45.03	36.00 LT.	1872312.629	985853.119
5037	87+54.45	35.00 RT.	1872532.455	985877.103
5109	87+58.72	36.00 LT.	1872521.253	985808.863
5032	87+58.46	36.00 LT.	1872521.971	985806.704
5036	87+86.46	64.77 RT.	1872568.176	985899.458
5033	87+88.41	43.84 LT.	1872548.542	985792.777
5036	87+88.42	82.90 RT.	1872575.694	985916.513
5126	87+98.08	82.90 RT.	1872588.424	985914.422
5004	88+27.61	0.00 RT.	1872596.306	985827.096
5067	88+79.58	36.00 RT.	1872654.842	985860.992
5007	88+81.80	0.00 RT.	1872649.211	985815.388
5049	89+03.20	40.35 LT.	1872681.828	985771.350
5050	89+25.78	33.88 LT.	1872685.267	985772.949
5051	89+99.47	36.61 LT.	1872757.964	985756.828
5183	90+29.05	36.74 LT.	1872787.333	985751.333
1186	93+00.15	36.00 RT.	1873065.624	985785.228
5008	95+06.95	0.00 RT.	1873268.353	985735.123

Oak St.

PTW	STATION	OFFSET	NORTH	EAST
7023	39+25.00	0.00 RT.	1872606.921	985305.443
1149	40+58.64	25.67 RT.	1872578.542	985438.538
1148	40+60.60	33.68 RT.	1872570.486	985440.326
1146	40+73.63	48.81 RT.	1872555.098	985453.053
5137	41+25.21	49.29 RT.	1872553.572	985504.608
5138	41+37.02	34.40 RT.	1872568.220	985516.723
5133	41+93.76	34.92 RT.	1872566.537	985573.433
5110	41+95.12	40.54 RT.	1872560.897	985574.685
5135	42+04.27	35.02 RT.	1872566.226	985583.945
5111	42+05.64	40.63 RT.	1872560.585	985585.196
5132	42+65.96	35.60 RT.	1872564.396	985645.611
5128	42+80.40	35.73 RT.	1872563.968	985660.046
5046	43+10.82	31.49 LT.	1872630.560	985691.827
5048	43+74.08	41.41 LT.	1872639.184	985755.268
5034	43+94.86	36.79 RT.	1872560.575	985774.459
5004	44+46.76	0.00 RT.	1872596.306	985827.096
5003	44+47.34	0.00 RT.	1872596.294	985827.678
5068	45+00.04	35.00 LT.	1872639.357	985874.021
5069	45+04.91	34.99 LT.	1872640.132	985878.826
5139	45+05.48	24.76 LT.	1872630.127	985881.046

LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- 123.45 (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/2 INCH IRON ROD
- PERMANENT SURVEY MONUMENT, I.O.O.T. STD. 2135 (TO BE SET BY OTHERS)
- + CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- BT TEL EXISTING TELEPHONE SPlice BOX
- XL LGT EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD

STAKING OF PROPOSED RIGHT OF WAY, SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, SET 1/2 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

RONALD F. HODGEN
2899 PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
JOLIET, ILLINOIS

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 SECTION 4, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

RECEIVED
SEP 21 2009

PLATS & LEGALS DATED AT JOLIET, ILLINOIS THIS 15th DAY OF SEPTEMBER, 2009.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2010

FOR INFORMATION ONLY

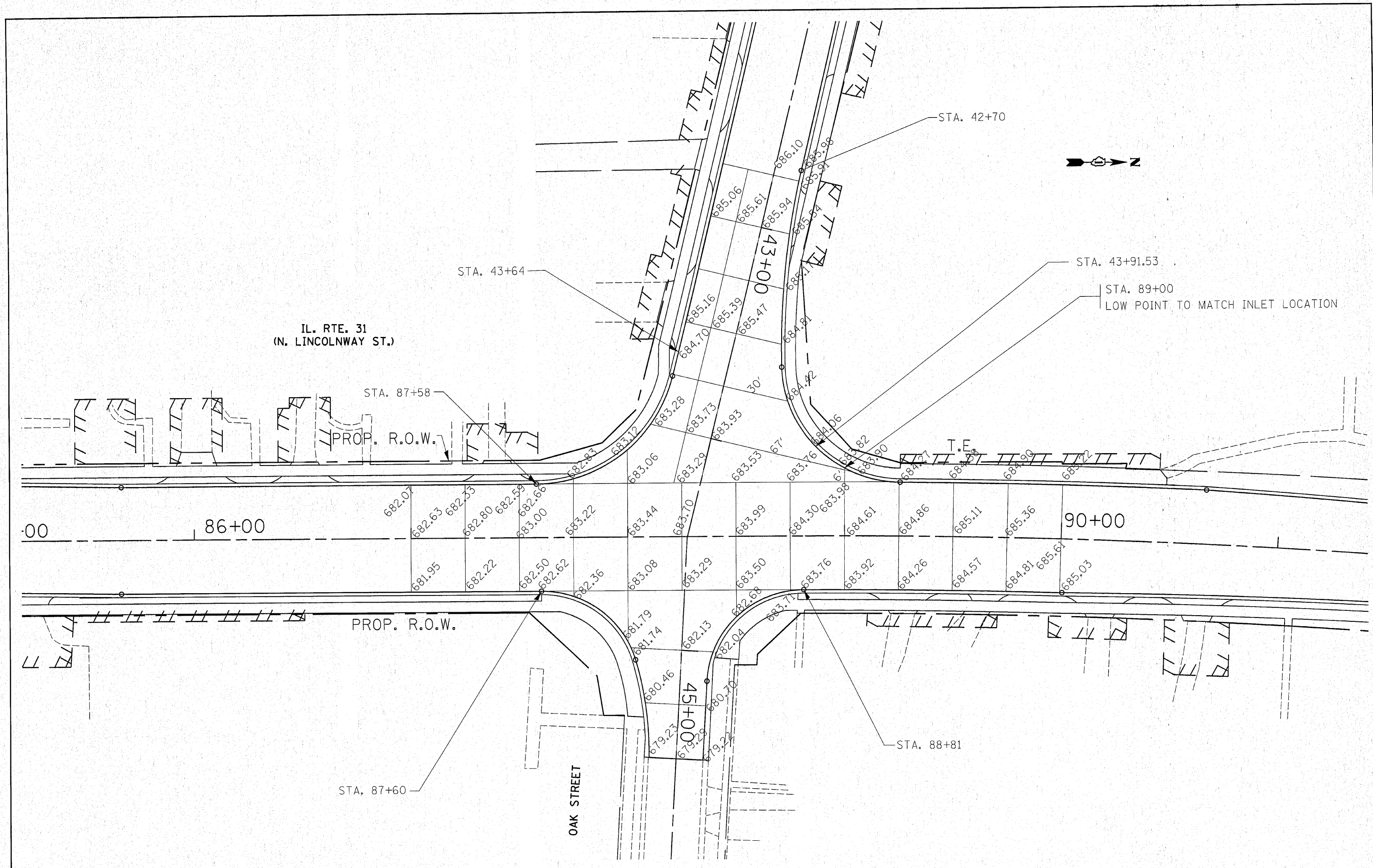
RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/P.L.S. Consultants
274 OETA STREET
JOLIET, ILLINOIS 60435
2530 SOUTH WASHINGTON STREET SUITE 170
HURVILLIE, ILLINOIS 60655
PH: (815) 744-6600 FAX: (815) 744-0101 PH: (630) 420-7740 FAX: (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP 860 (IL 31)
KANE COUNTY
JOB NO. R-91-008-04
STATION 94+00 TO STATION 96+00

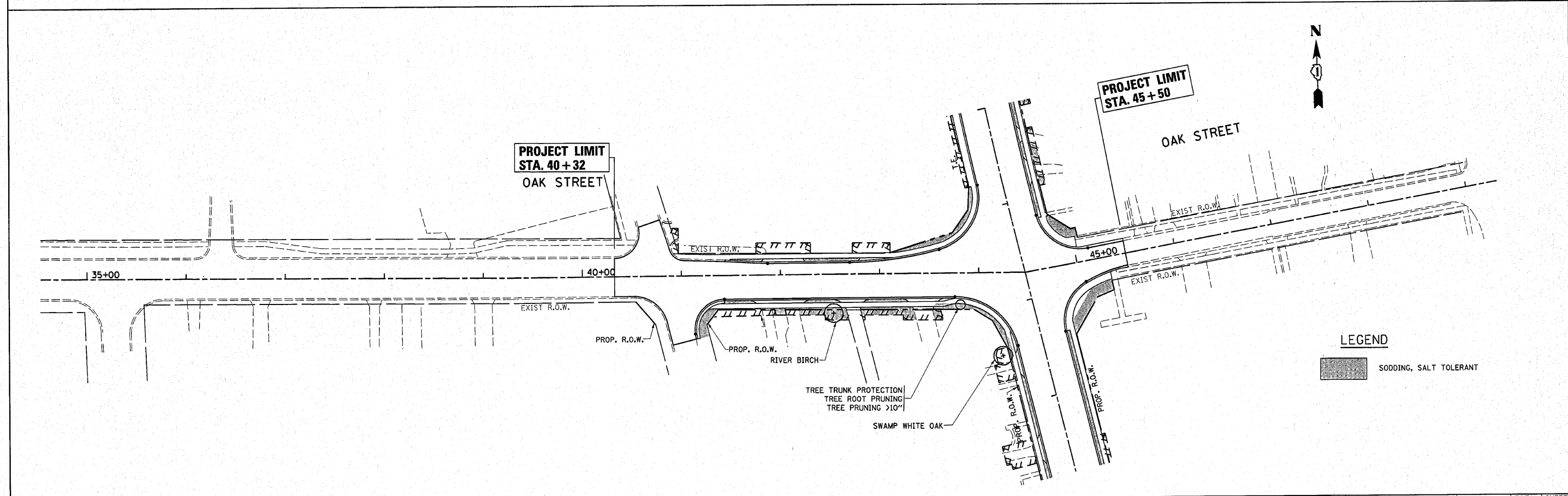
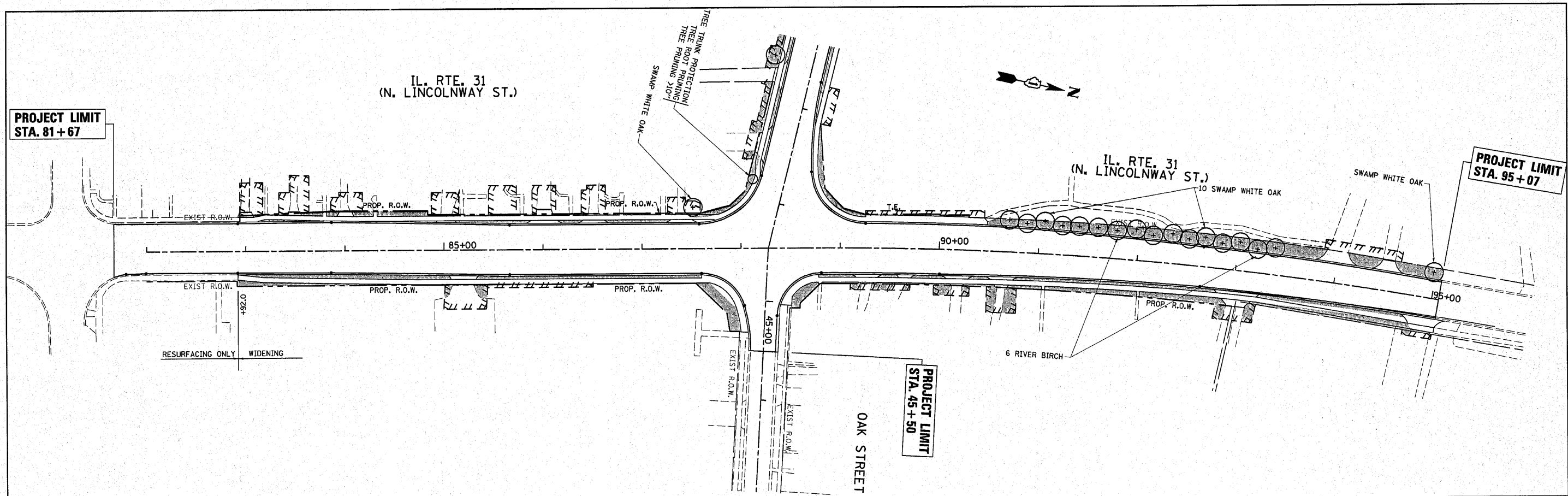
SCALE: 1"=20' SHEET 10 OF 10


REVISED: 9-17-09/ REVISED OAK ST. CENTERLINE, STA & OFFSETS, NEW TABLE

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

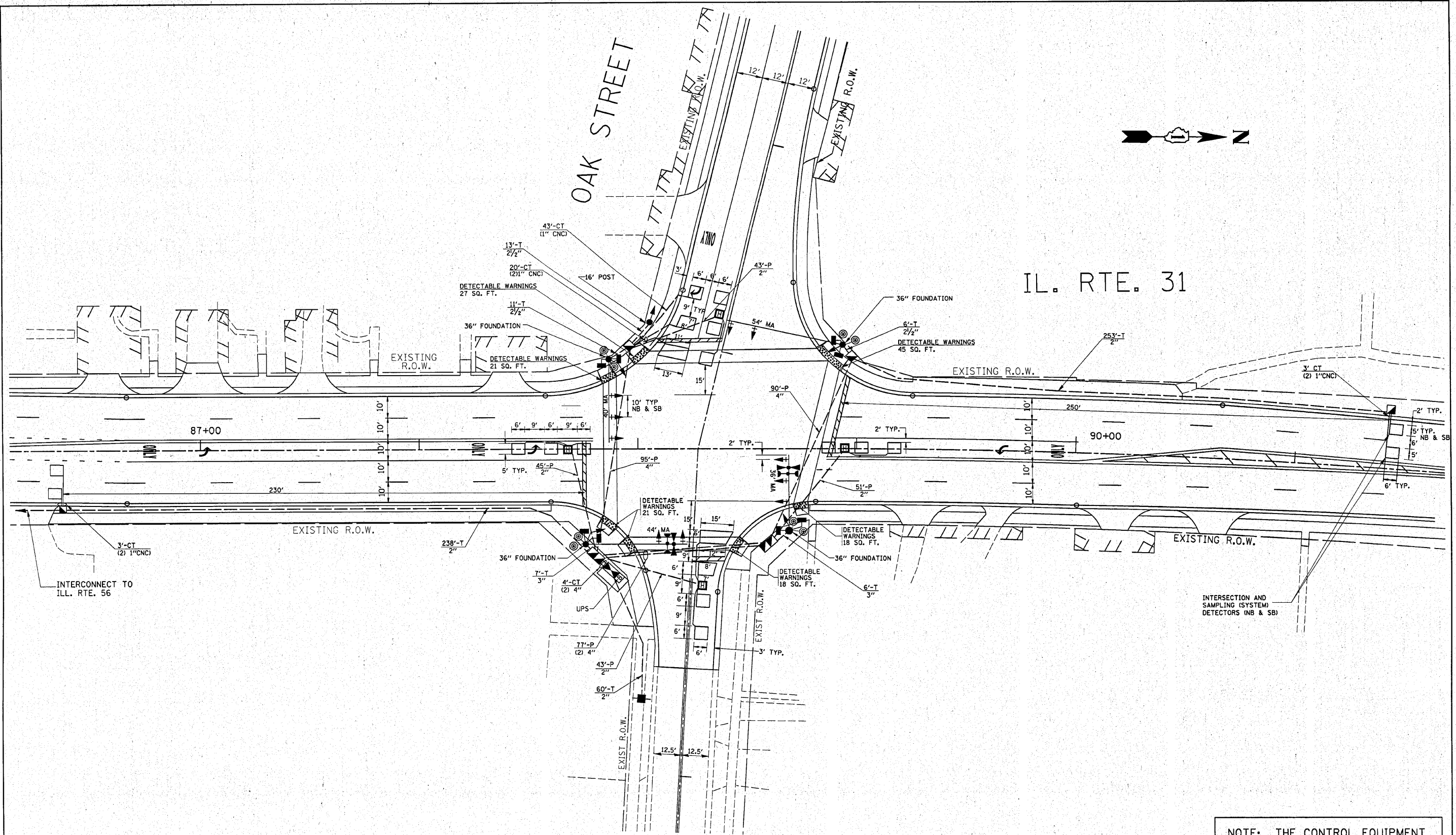


FILE NAME = c:\pw_work\PW100T\QURESHIYA\40111275\PI00	USER NAME = qureshiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION PAVING PLAN IL ROUTE 31 AT OAK STREET		F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 35		
	PLOT SCALE = 20.000' / IN.	CHECKED -	REVISED -		SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					
	PLOT DATE = 3/12/2010	DATE -	REVISED -		REVISED -								



LEGEND
 SODDING, SALT TOLERANT

FILE NAME = P101603-sh1-1ndscp.dgn	USER NAME = qurashiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 31 @ OAK ST. PROPOSED LANDSCAPING PLAN			F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 37
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 62914				
	PLOT DATE = 4/28/2010	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							



NOTE: THE CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "EAGLE" TO MATCH EXISTING ADJACENT SYSTEM

FILE NAME =	USER NAME = kanthaphixaybc	DESIGNED -	REVISED -
c:\pwork\PI\DOT\KANTHAPHIXAYBC\d0117804\TS.dgn		DRAWN -	REVISED -
	PLOT SCALE = 21.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

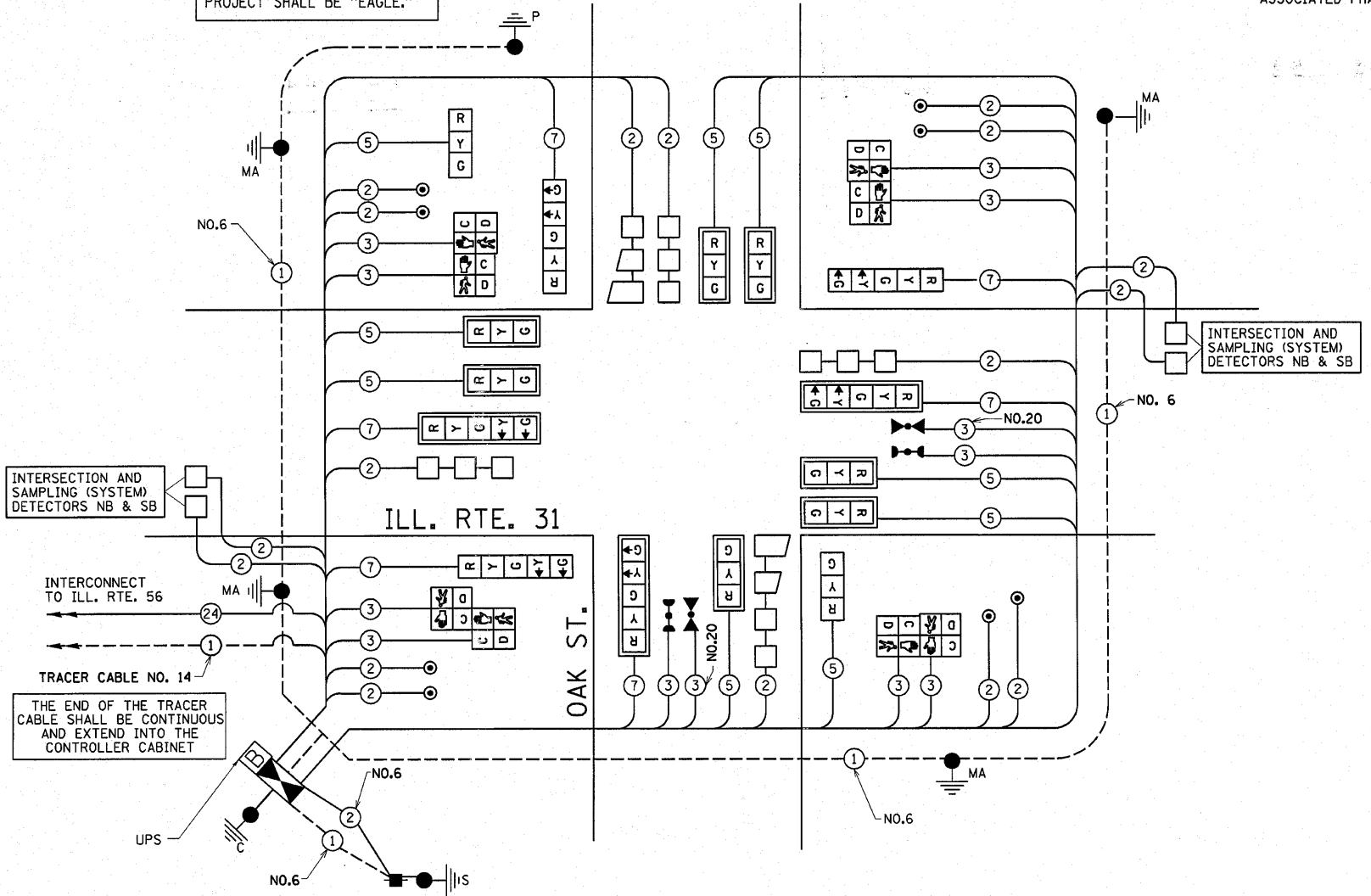
**TRAFFIC SIGNAL INSTALLATION
IL. RTE. 31 AT OAK ST.**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	38
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62914	

NOTE:
THE PROPOSED TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE."

CABLE PLAN



INTERSECTION AND SAMPLING (SYSTEM) DETECTORS NB & SB

INTERCONNECT TO ILL. RTE. 56

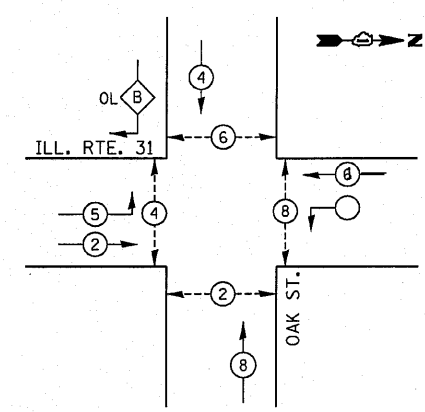
TRACER CABLE NO. 14
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

UPS

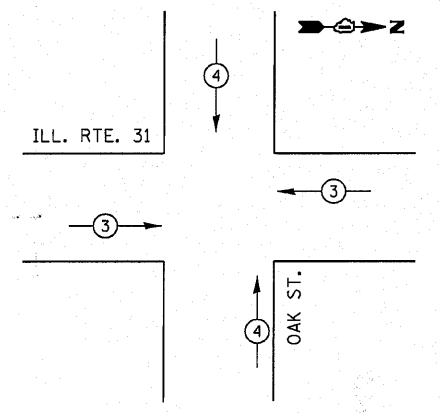
- #### LEGEND
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - ◇ OL OVERLAP
 - PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

SCHEDULE OF QUANTITIES

QNTY.	UNIT	PAY ITEM
171	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
171	SQ FT	DETECTABLE WARNINGS
1	CAL MO	CHANGABLE MESSAGE SIGN
25.5	SQ FT	SIGN PANEL - TYPE 1
551	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
30	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
83	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
8	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
195	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
350	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
4	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
668	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	TRANSCEIVER - FIBER OPTIC
1102	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,407	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1630	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
905	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2,249	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
78.0	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
511.5	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1 C
* 265	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
52	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
7	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
3	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 WITH COUNTDOWN TIMER
10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
9	EACH	INDUCTIVE LOOP DETECTOR
710	FOOT	DETECTOR LOOP, TYPE 1
* 2	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION, POLE MOUNT
1	EACH	UNINTERRUPTABLE POWER SUPPLY

*100% COST TO THE NORTH AURORA FIRE PROTECTION DEPARTMENT

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCANDESCENT)	% OPERATION	
SIGNAL (RED)	15	17	0.50	110.50
(YELLOW)	15	25	0.25	37.50
(GREEN)	15	15	0.25	48.75
ARROW	12	12	0.10	14.40
PED. SIGNAL	8	25	1.00	200.00
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN			0.05	
FLASHER			0.50	
TOTAL =				813.15

NOTE:
THE PROPOSED TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE."

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
cs:\pw\work\pwwork\kanthaphixybc\d011780	NTS.dgn	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

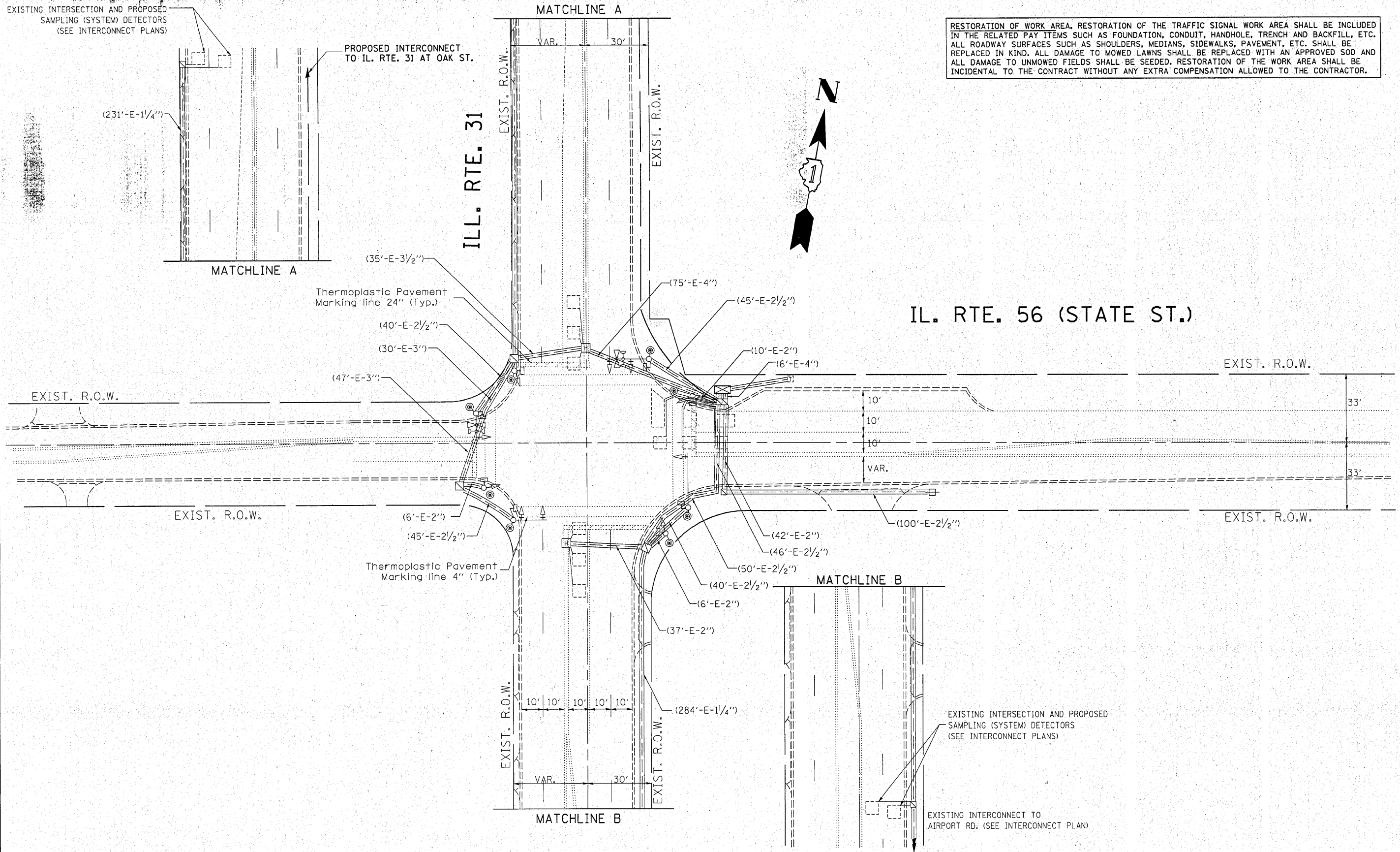
TRAFFIC SIGNAL SUMMARY OF QUANTITIES ILL. RTE. 31 @ OAK ST.			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62914	

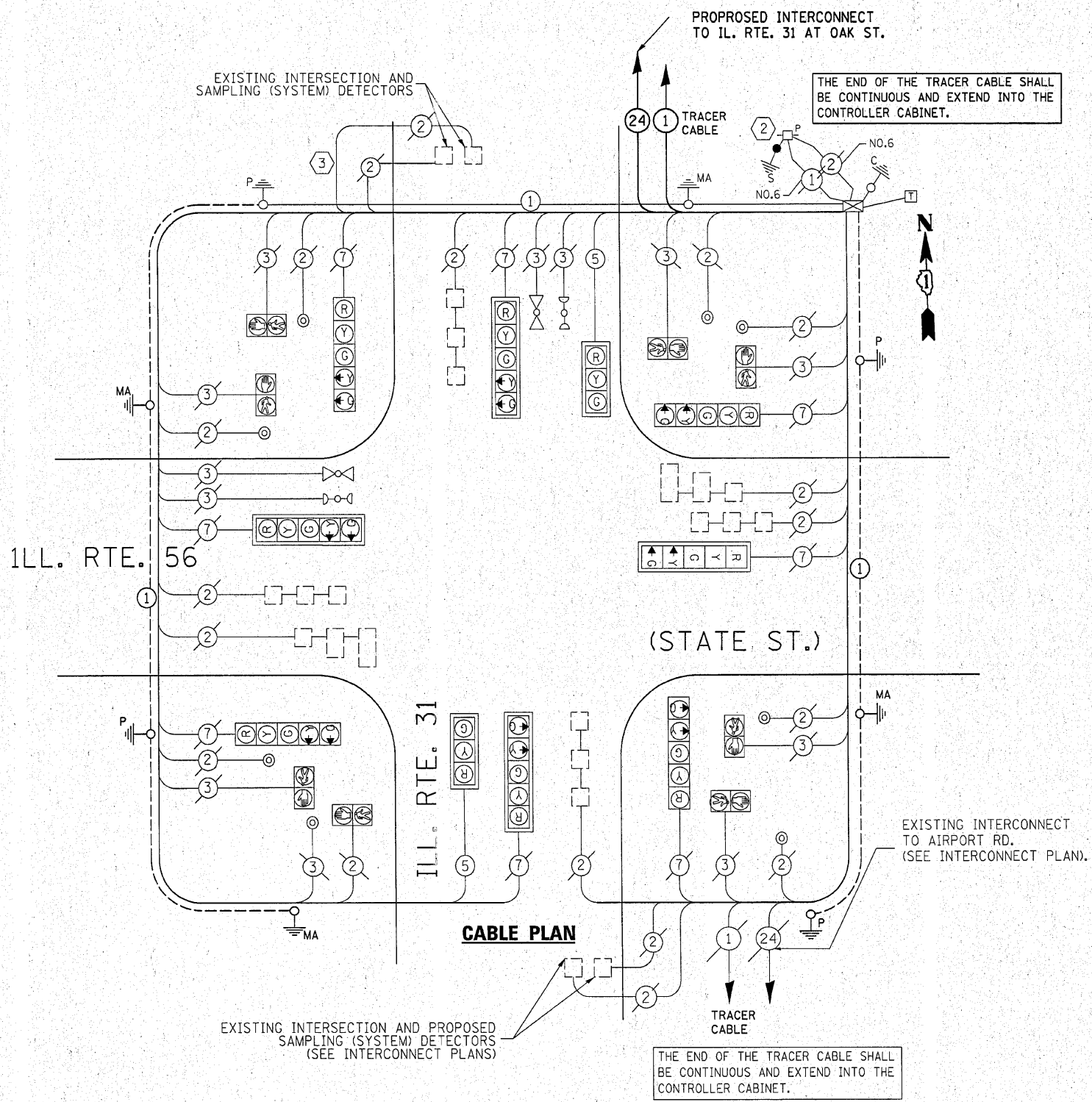
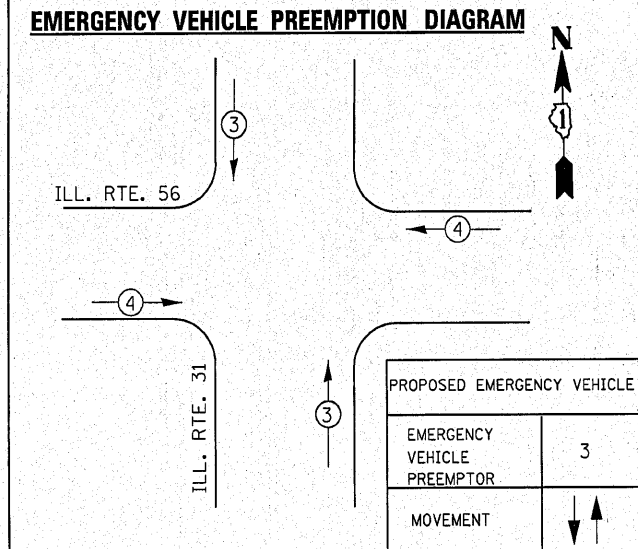
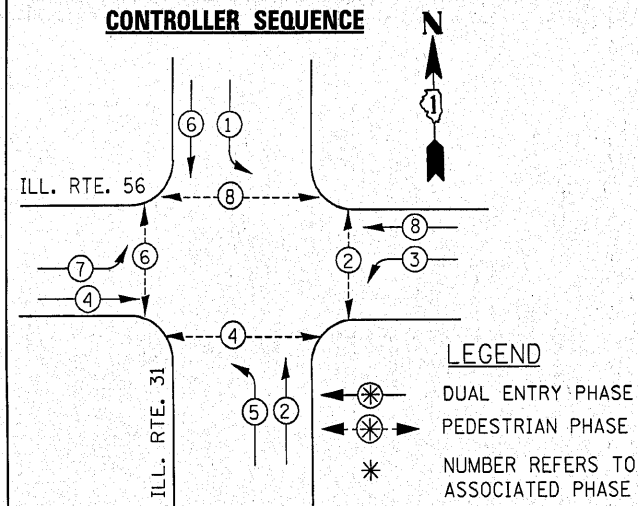
EXISTING INTERSECTION AND PROPOSED SAMPLING (SYSTEM) DETECTORS (SEE INTERCONNECT PLANS)

PROPOSED INTERCONNECT TO IL. RTE. 31 AT OAK ST.

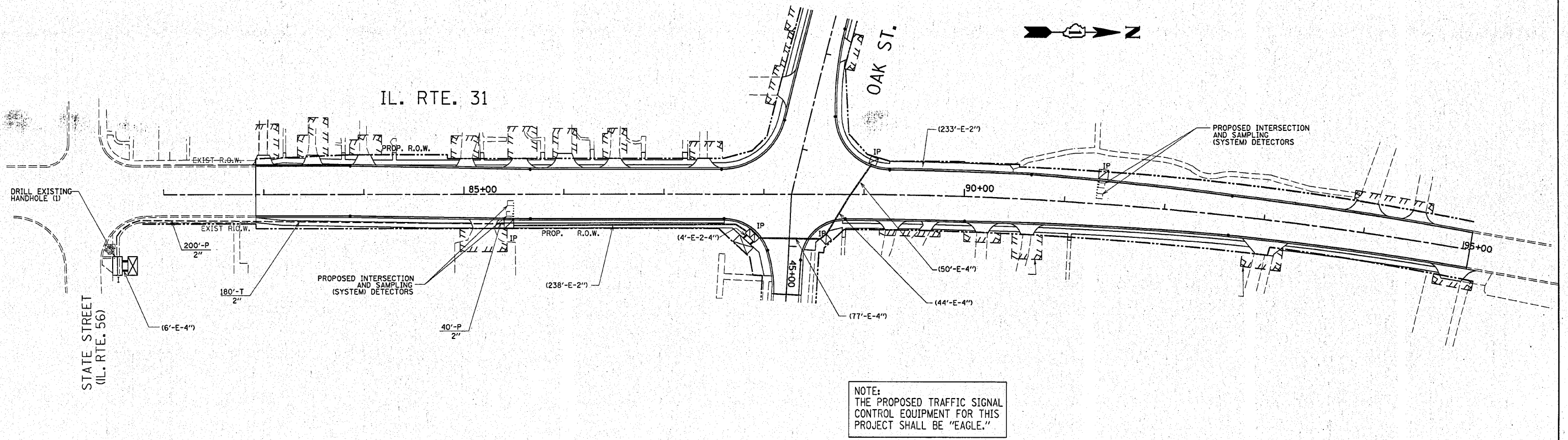
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED. RESTORATION OF THE WORK AREA SHALL BE INCIDENTAL TO THE CONTRACT WITHOUT ANY EXTRA COMPENSATION ALLOWED TO THE CONTRACTOR.



FILE NAME =	USER NAME = karthaxaybc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION IL. RTE. 31 AT IL. RTE. 56 (STATE ST.)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PW\DOT\KANTHAPHIXAYBC\0117884\TS.dgn		DRAWN -	REVISED -					3887	A-R-N-1	KANE	77	40
PLOT SCALE = 21.0000' / IN.		CHECKED -	REVISED -					CONTRACT NO. 62914				
PLOT DATE = 2/10/2010		DATE -	REVISED -					SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



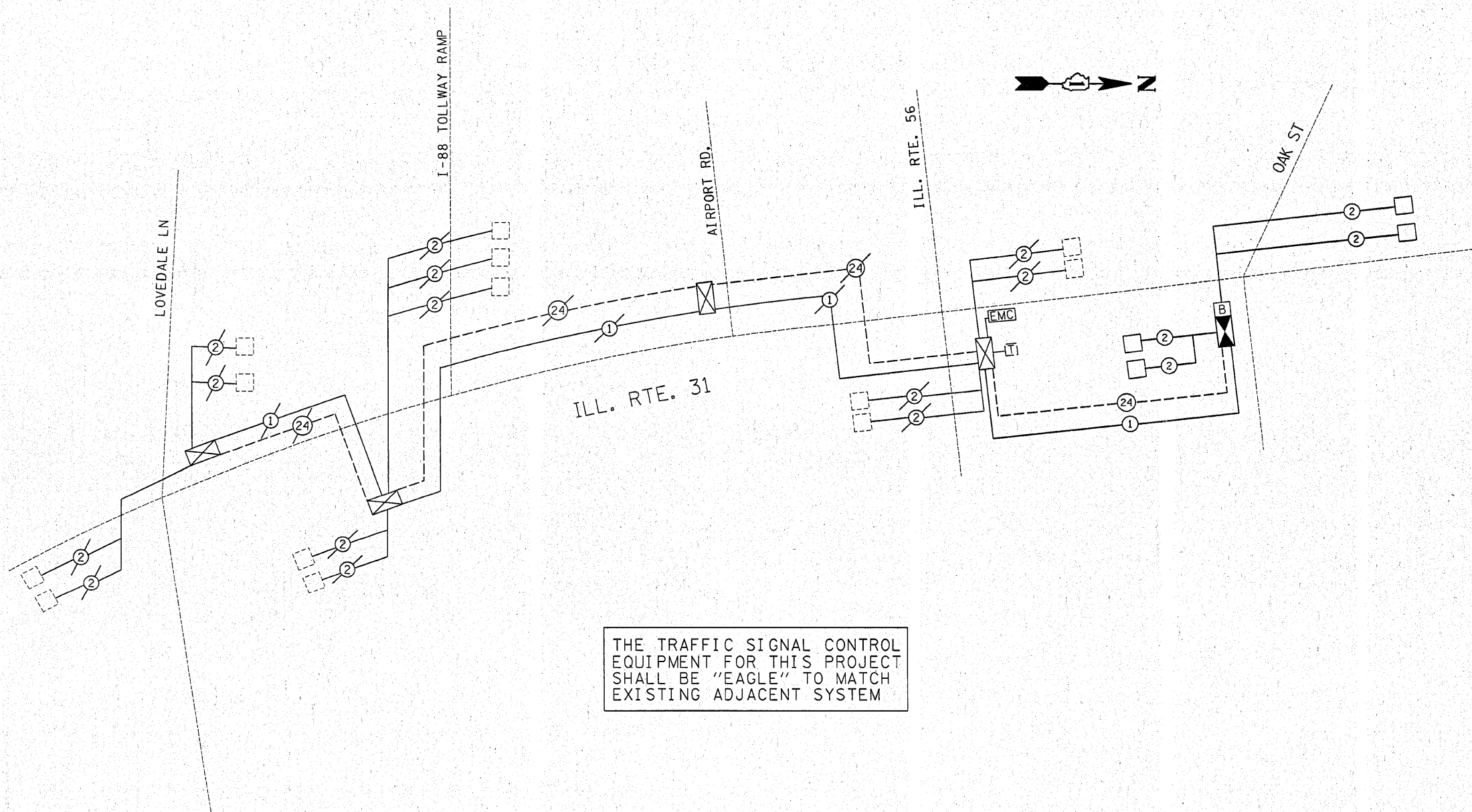
I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	135	17	0.50	85.0
(YELLOW)	10	135	25	0.25	62.5
(GREEN)	10	135	15	0.25	37.5
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					TOTAL = 504.2
ENERGY SUPPLY CONTACT: PHONE: 847-816-5331 COMPANY: COMMONWEALTH EDISON					



INTERCONNECT SCHEDULE OF QUANTITIES

QNTY.	UNIT	PAY ITEM
180	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
240	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
180	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL
678	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1 C
702	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
1	EACH	DRILL EXISTING HANDHOLE
1	L SUM	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM-LEVEL II

FILE NAME =	USER NAME = kanthaphixaybc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INTERCONNECT PLAN FOR IL. RTE. 31 FROM IL. RTE. 56 TO OAK ST.	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PW100T\KANTHAPHIXAYBC\0117804\TS.dgn		DRAWN -	REVISED -			3887	A-R-N-1	KANE	77	42
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 62914				
PLOT DATE = 2/18/2010		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



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

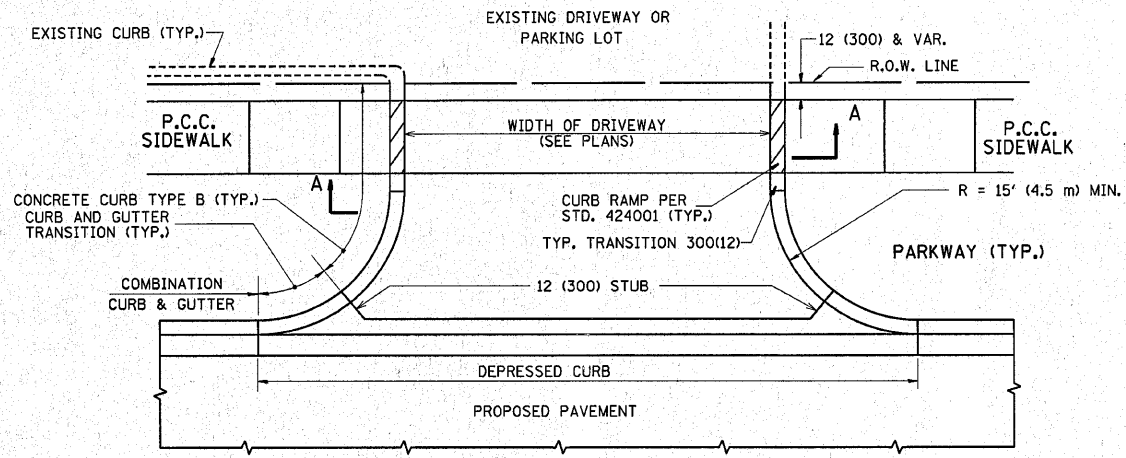
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c:\pwork\pwork\PWIDOT\KANTHAPHIXAYBC\d011784\TS.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

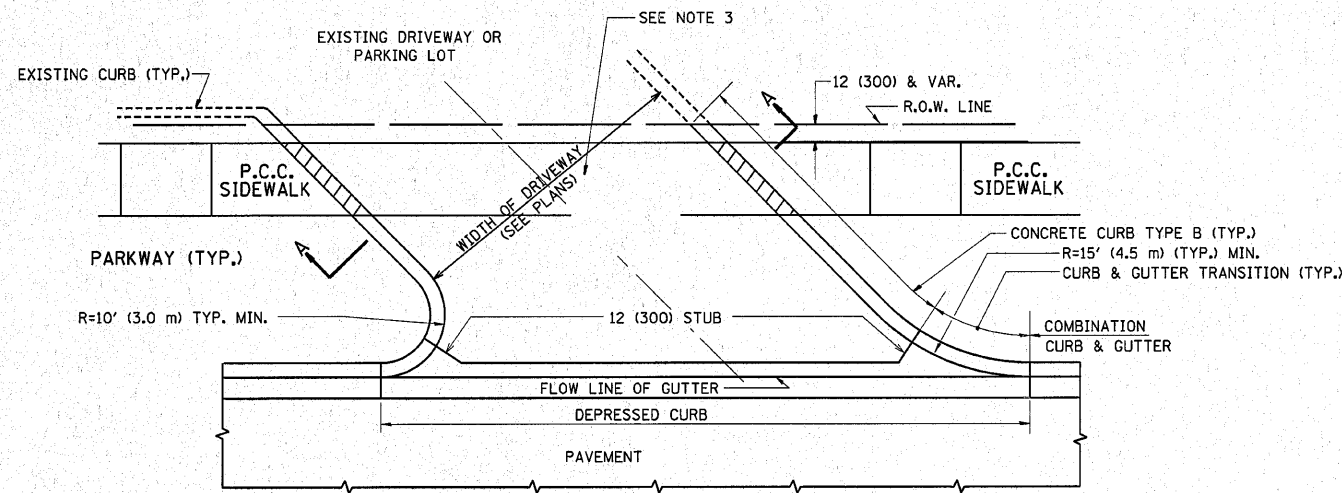
**INTERCONNECT SCHEMATIC
ILL. RTE. 31 FROM ILL. 56 TO OAK ST.**

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

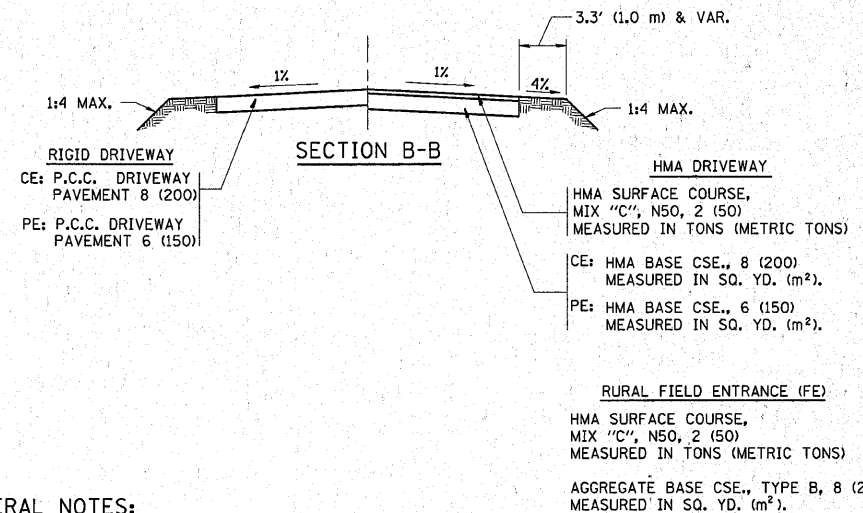
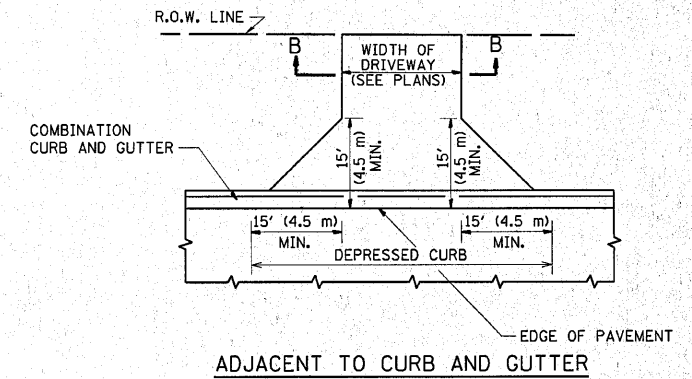
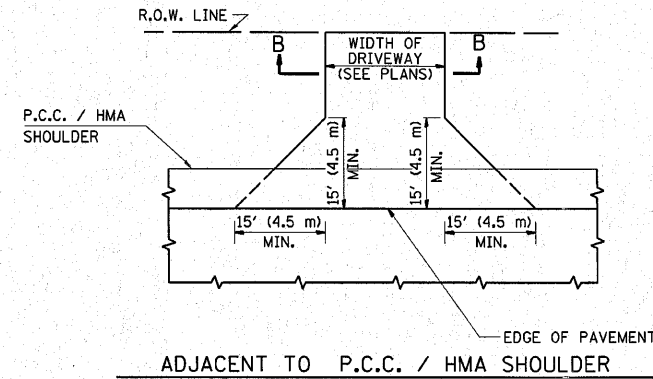
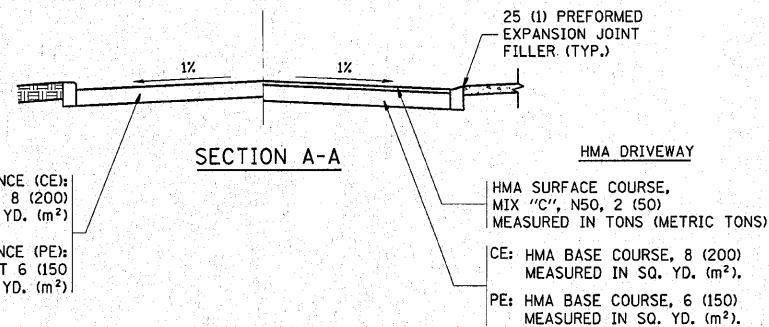
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	43
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62914	



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



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.

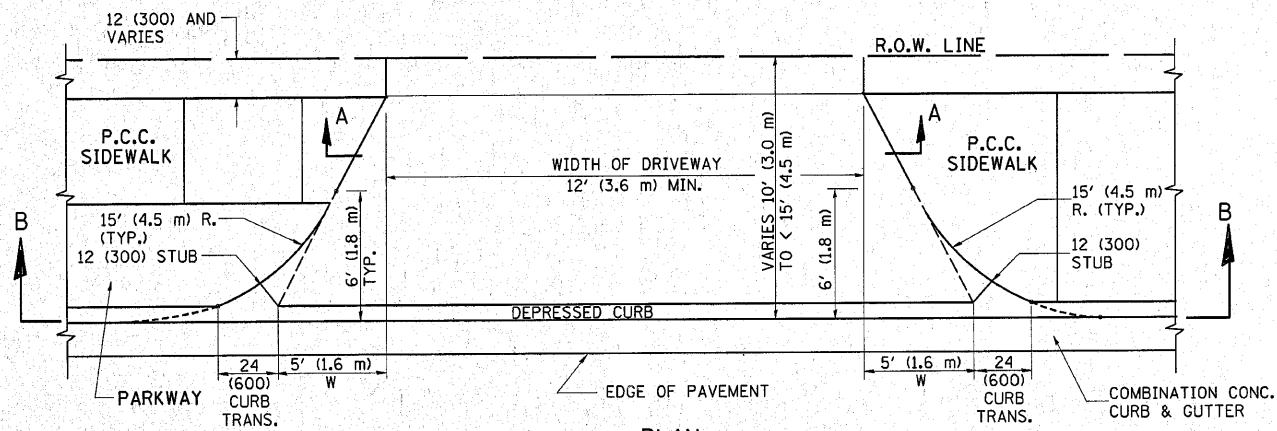
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

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

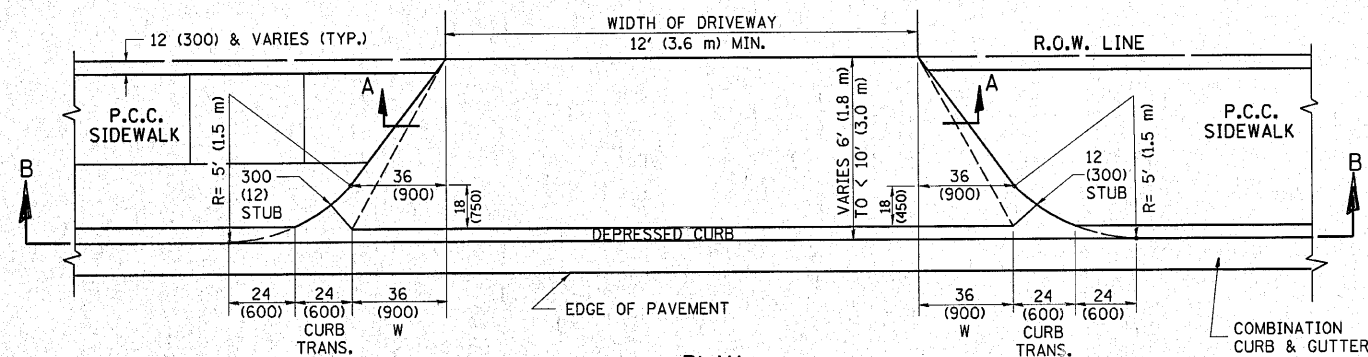
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

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.

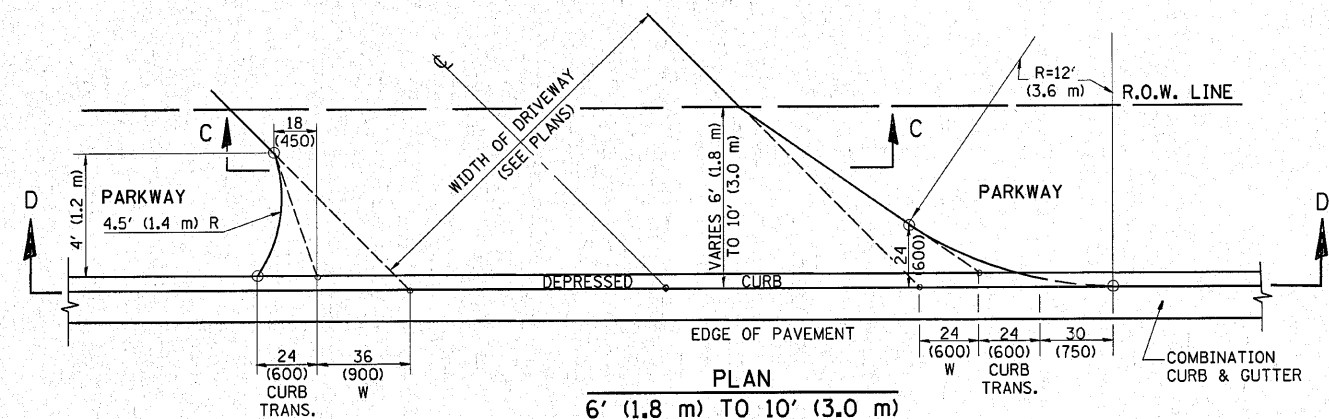
FILE NAME =	USER NAME = qureshiya	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwork\pwork\qureshiya\0111256\0111256.dgn		DRAWN -	REVISED - P. LaFLUER 04-15-03		3887	A-R-N-1	KANE	77	44			
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - R. BORO 01-01-07		BD0156-07 (BD-01)			CONTRACT NO. 62914				
PLOT DATE = 3/19/2018		DATE - 11-04-95	REVISED - R. BORO 06-11-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



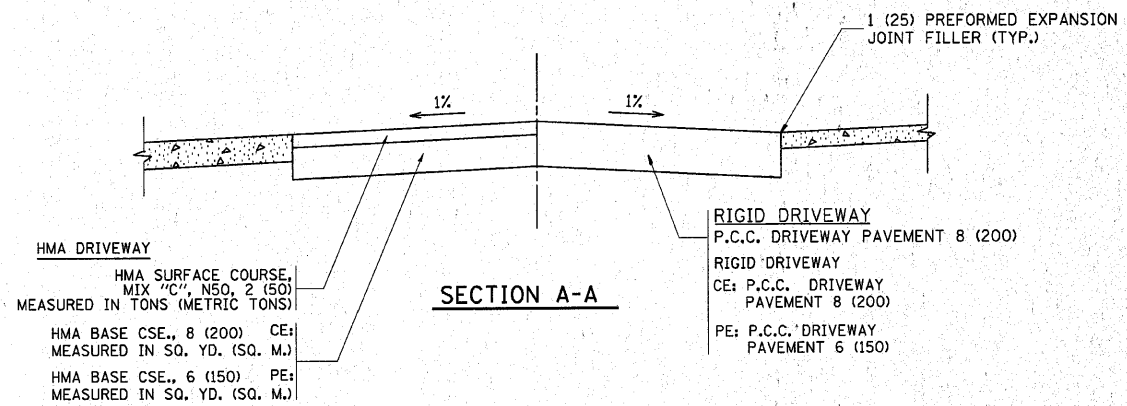
PLAN
10' (3.0 m) TO < 15' (4.5 m)



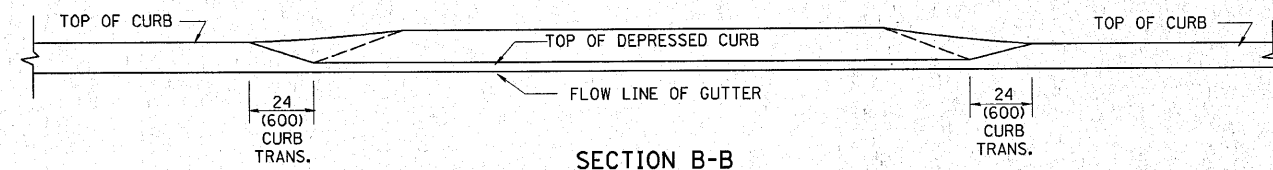
PLAN
6' (1.8 m) TO < 10' (3.0 m)



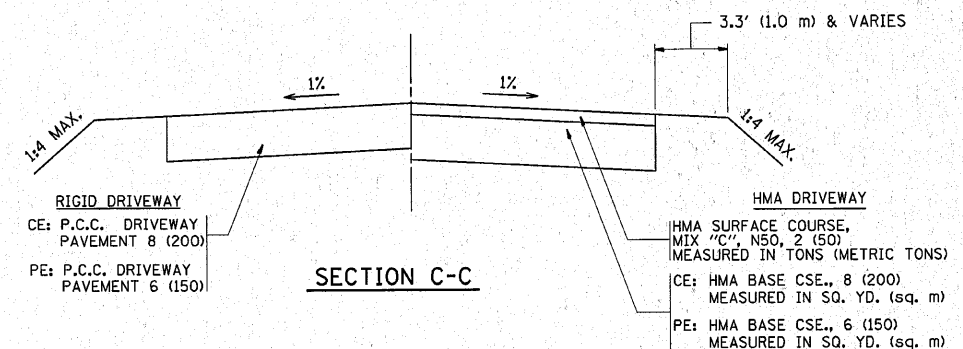
PLAN
6' (1.8 m) TO 10' (3.0 m)



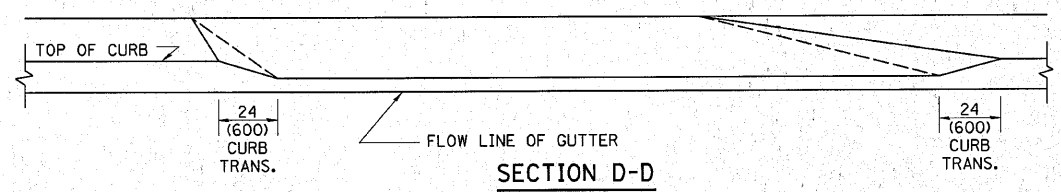
SECTION A-A



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).

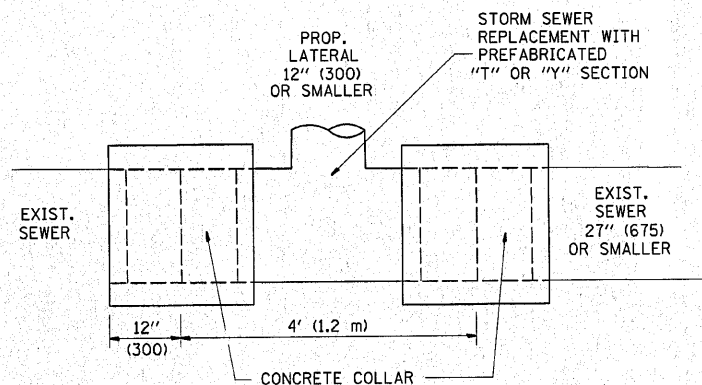
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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	PLOT DATE = 3/10/2010	DATE - 11-06-95	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

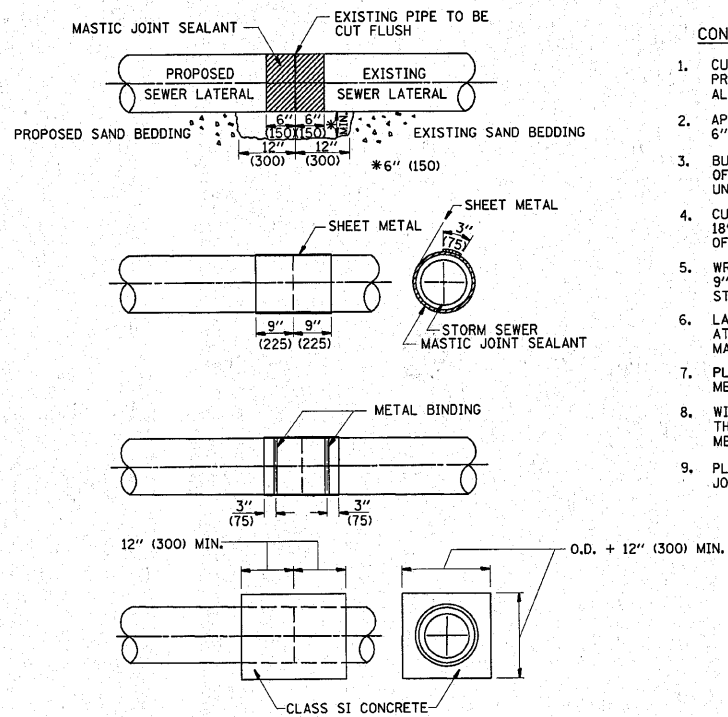
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	45
BD400-02 (BD-02)			CONTRACT NO.	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



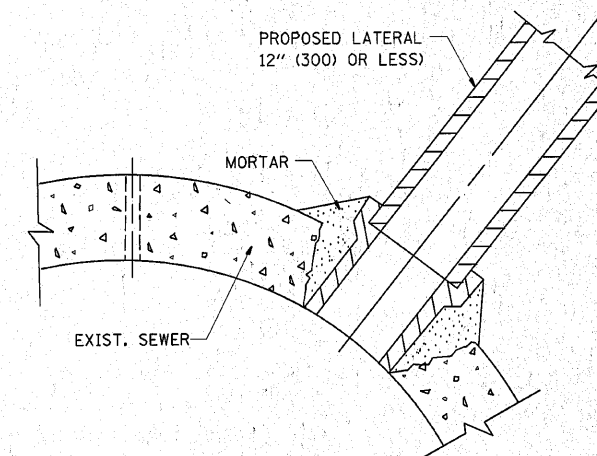
DETAIL "A"

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 OOOZES 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

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

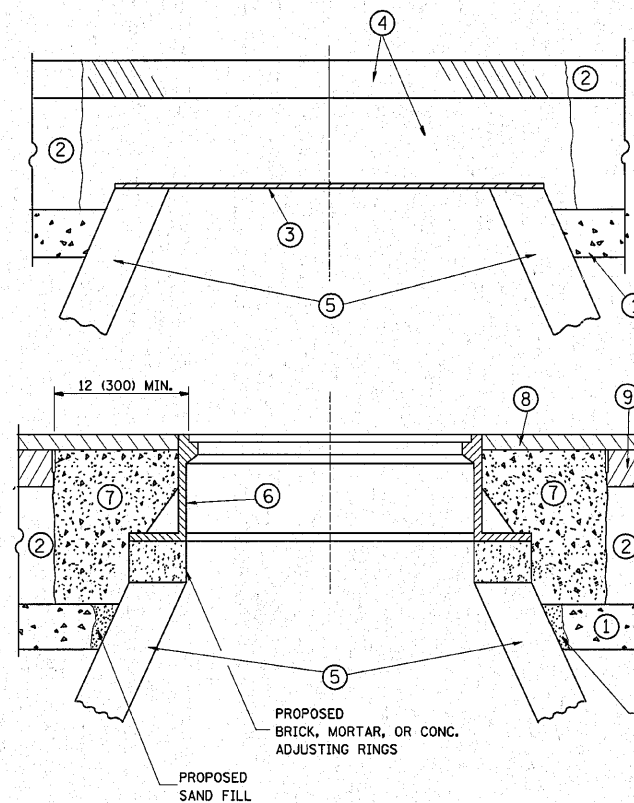
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	PLOT DATE = 3/10/2010	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

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

F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 46
BD500-01 (BD-7)			CONTRACT NO. 62914	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS S1 CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS S1 CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

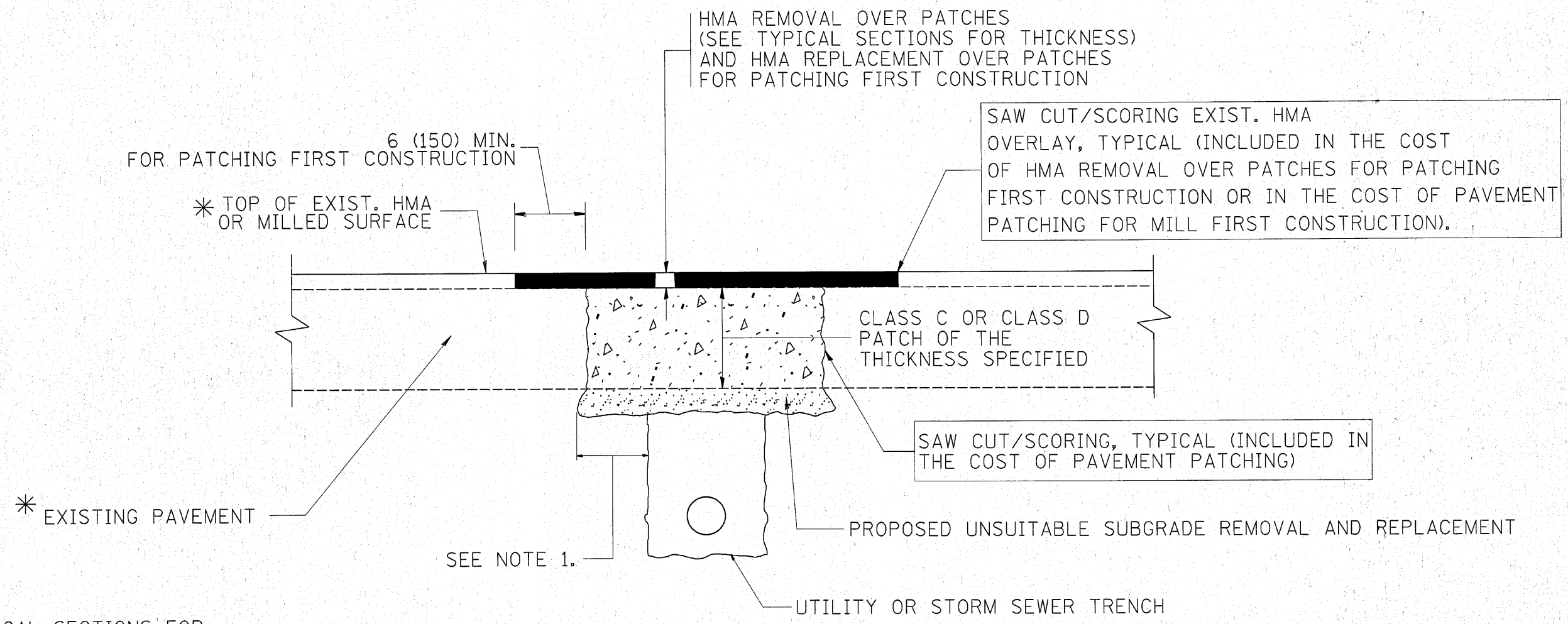
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - R. WIEDEMAN 05-14-04
PLOT DATE = 3/10/2010		DATE - 10-25-94	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	47
BD600-03 (BD-B)			CONTRACT NO. 62914	
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 (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

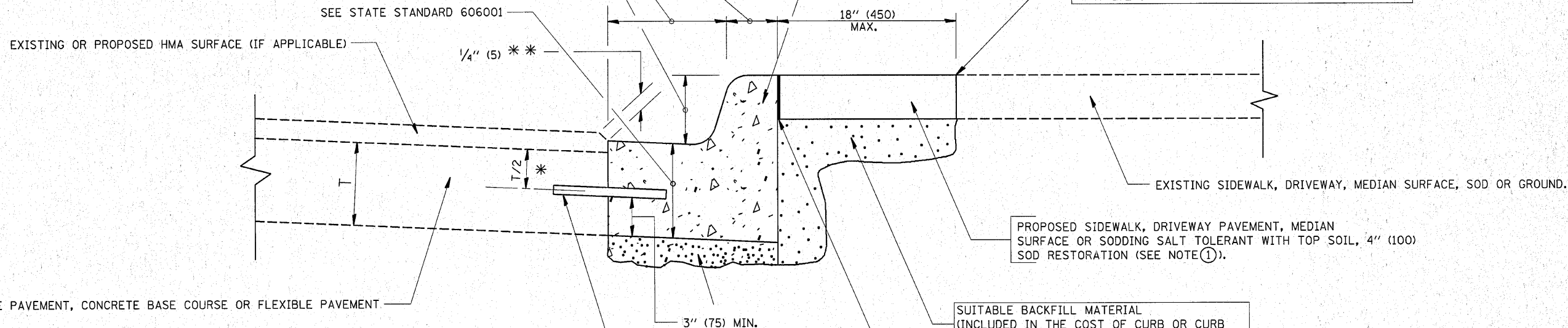
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = aureshiya	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 48
ct:\pw_work\pwidot\qureshiya\0111256\Dist\td.dgn	DRAWN -	REVISED - R. BORO 01-01-07	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD400-04 (BD-22)		CONTRACT NO. 62914	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT						
PLOT DATE = 3/18/2010	DATE - 10-25-94	REVISED -	REVISED -								

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

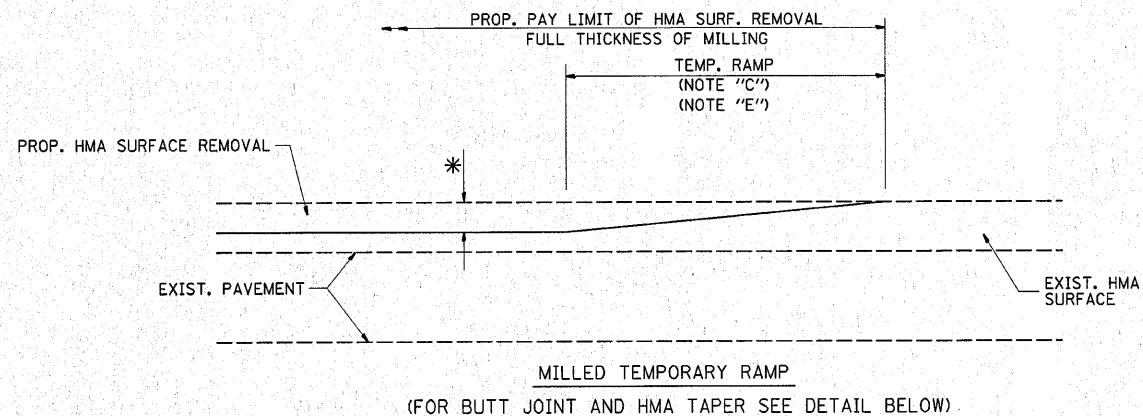
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	
PLOT DATE = 3/10/2010	DATE - 03-11-94	REVISED - R. BORO 12-15-09	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

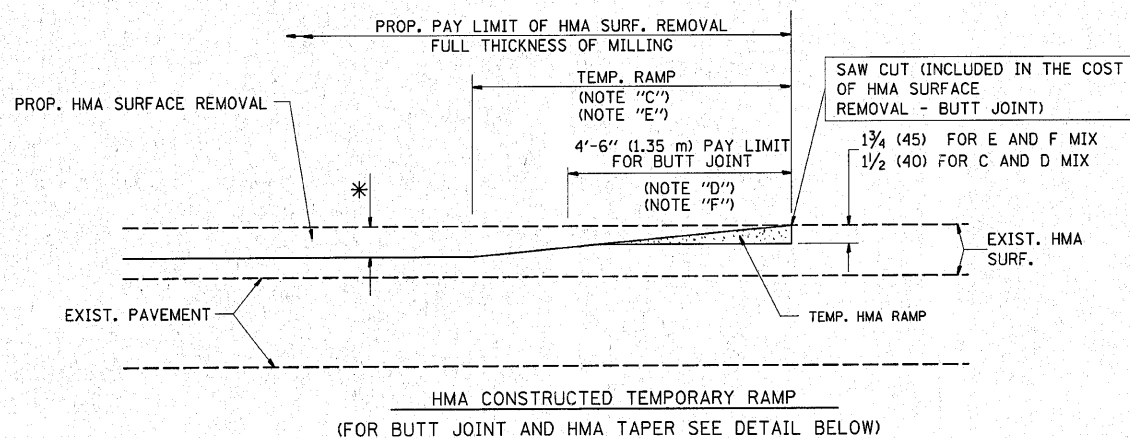
**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

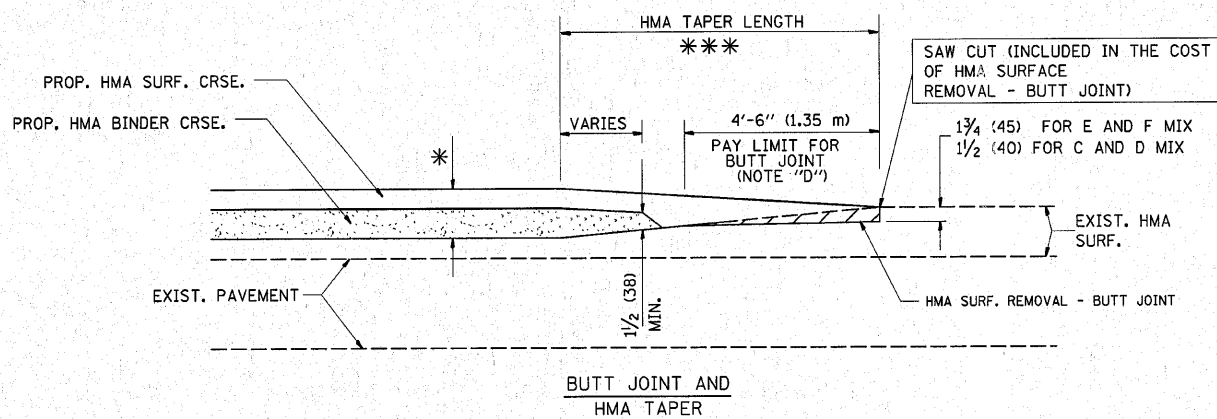
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KAN05	77	49
BD600-06 (BD-24)			CONTRACT NO. 62914	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



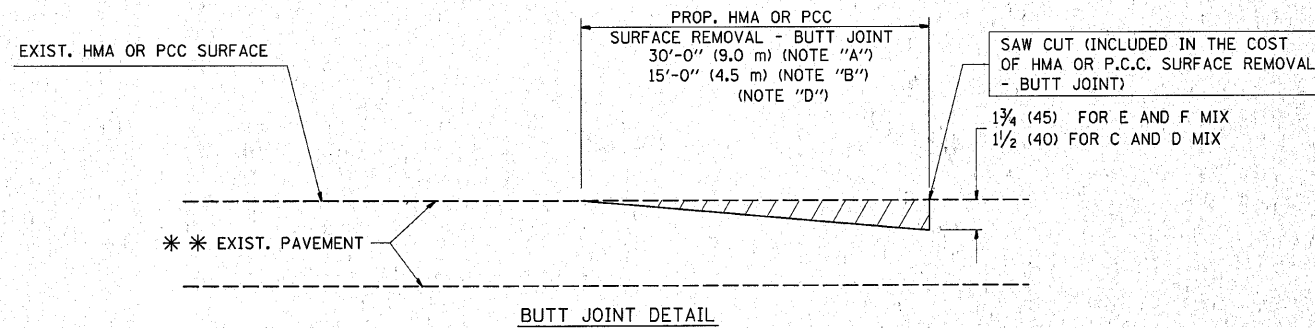
OPTION 1



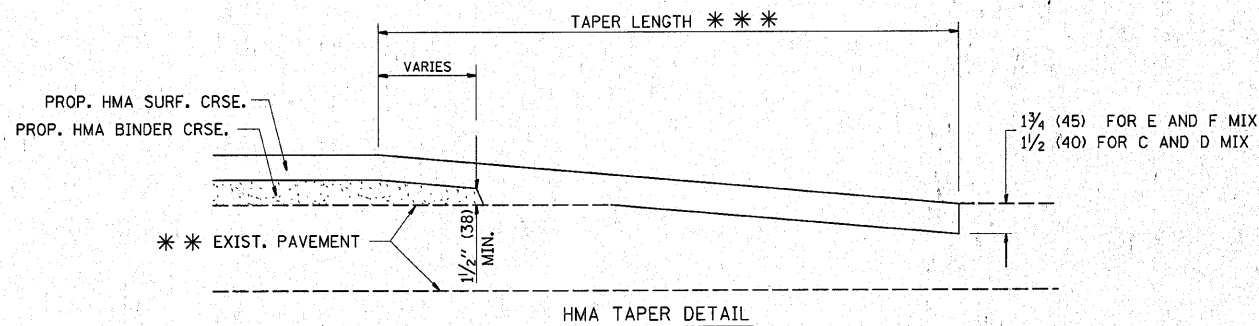
**OPTION 2
TYPICAL TEMPORARY RAMP**



**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")

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".

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

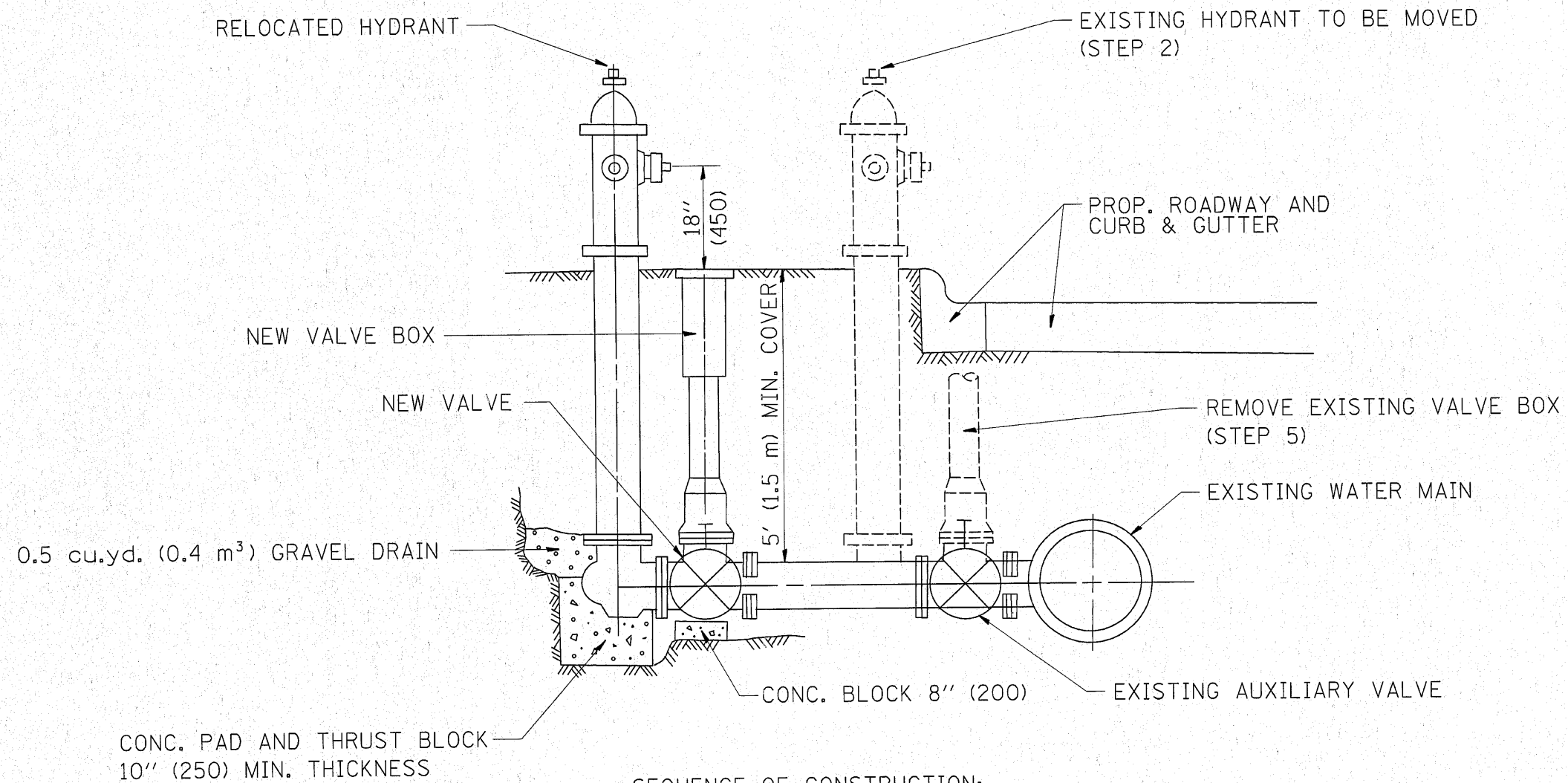
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/10/2010		DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 50
BD400-05 BD32			CONTRACT NO. 62914	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

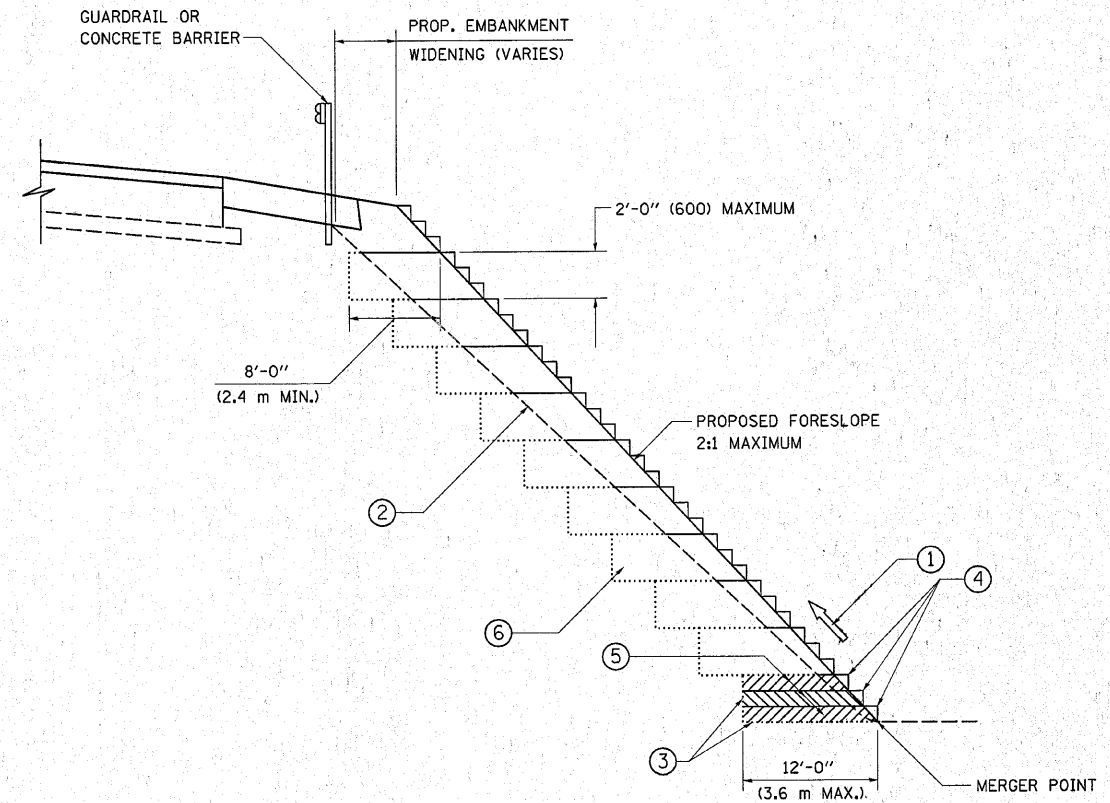
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

FILE NAME = c:\pr_work\p\dot\qureshiya\d0111256\01st.dgn	USER NAME = qureshiya	DESIGNED -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED			F.A.U. RTE. .3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 51
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD-36 CONTRACT NO. 62914			
PLOT DATE = 3/10/2010	DATE -	REVISED -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

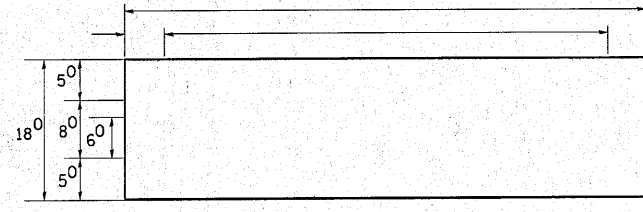
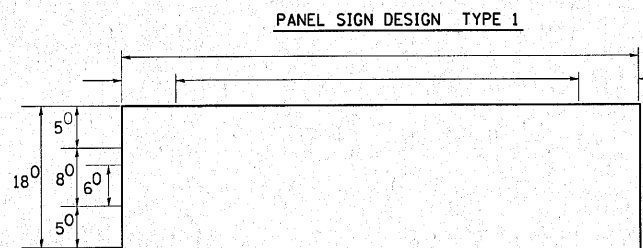
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PLOT SCALE = 50,0000 ' / IN.	CHECKED - S.E.B.	REVISED -	REVISED -
PLOT DATE = 3/18/2010	DATE - 06-16-04	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

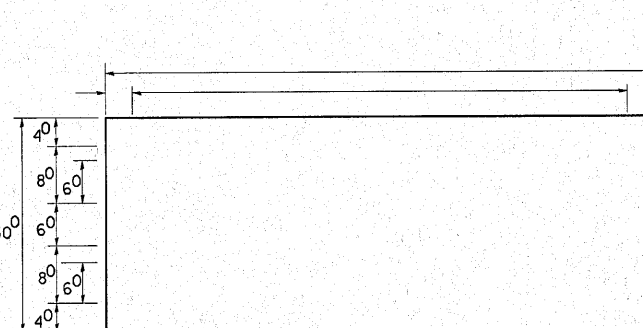
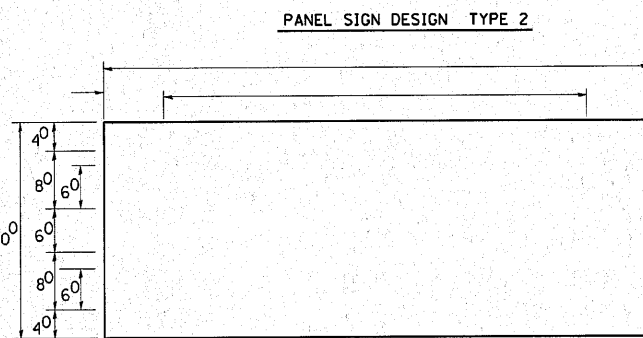
**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	52
BD-51		CONTRACT NO. 62914		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS



GENERAL NOTES

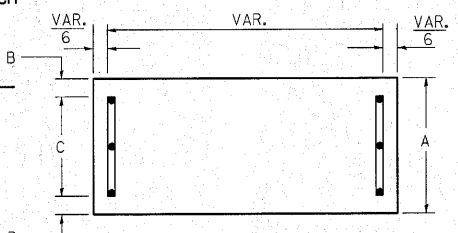
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE 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 8'-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:

* J.O. HERBERT CO. MIDLOTHIAN, VA. * WESTERN REMAC INC. WOODRIDGE, IL.

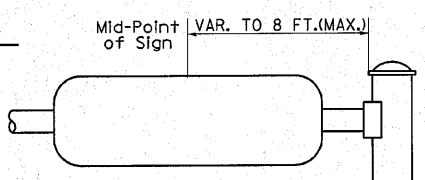
PARTS LISTING:
 SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
 SELF TAPPING WITH NEOPRENE WASHER
 BRACKETS PART #HPN034 (UNIVERSAL)
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

SUPPORTING CHANNELS

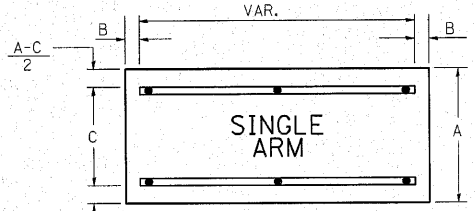


A	B	C
18"	2"	14"

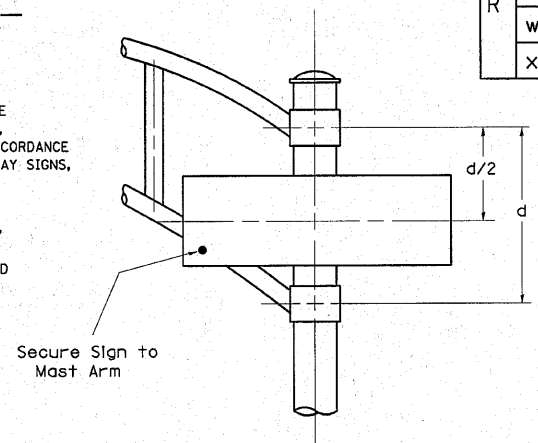


SINGLE ARM

SUPPORTING CHANNELS



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



DUAL ARM

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

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	acde		bhikl		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O O 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	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g i 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	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

EXAMPLE, 2³ DENOTES 3/8"

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		SERIES			SERIES	
	C	D	C	D	C	D	C	D		C	D
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²				
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²				
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹				
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²				
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²				
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶				
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²				
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²				
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹				
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²				
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²				
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹				
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰				
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²				
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³				
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²				
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²				
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²				
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²				
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²				
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²				
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷				
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴				
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹				
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³				
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³				

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

FILE NAME =	USER NAME = qureshija	DESIGNED - DAG/BCK	REVISED - DAG 10/28/09
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PLOT SCALE = 50.0000 / IN.		CHECKED - DAG/DAD	REVISED -
PLOT DATE = 3/10/2010		DATE - 03-15-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

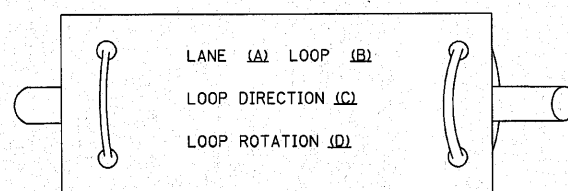
DISTRICT ONE		F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MAST ARM MOUNTED STREET NAME SIGNS		3887	A-R-N-1	KANE	77	53
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 62914		

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

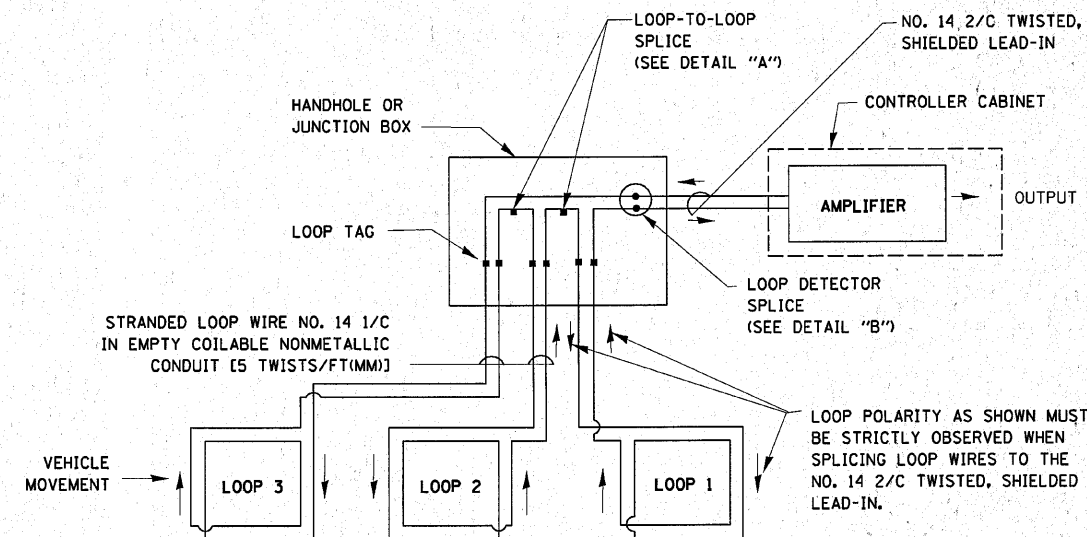
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT 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.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

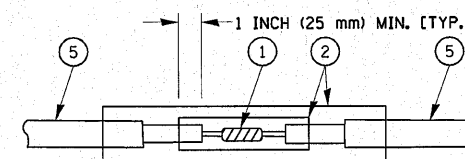


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

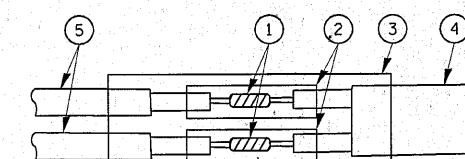


DETECTOR LOOP WIRING SCHEMATIC

- 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.

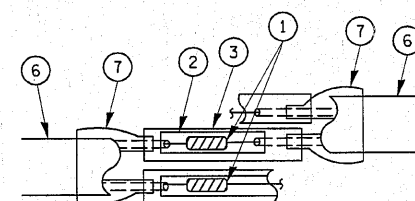


DETAIL "A"
LOOP-TO-LOOP SPLICE

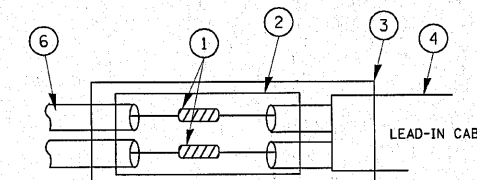


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



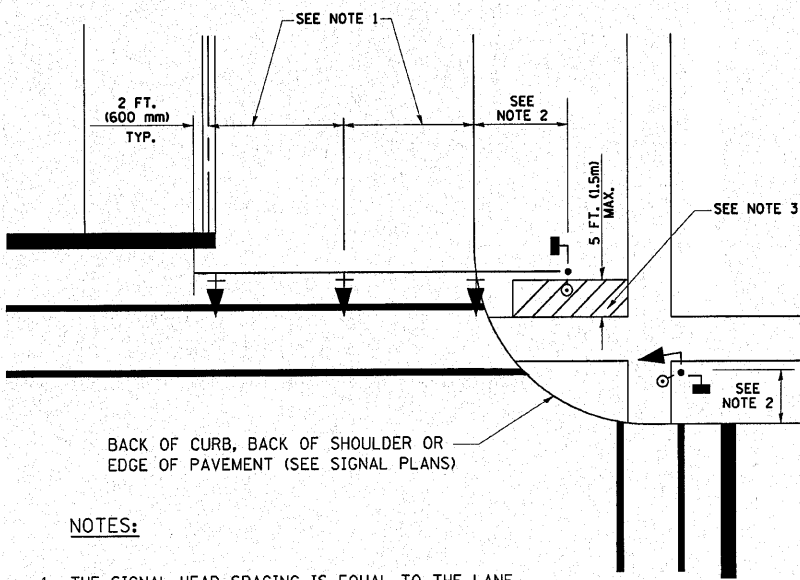
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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.
- PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = qureshiya	DESIGNED - DAD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 54	
cd:\pw\work\pwwork\qureshiya\d0111256\Dist	DRAWN - BCK	REVISED -	SCALE: NONE			SHEET NO. 1 OF 6 SHEETS	STA. TO STA.	TS-05			
PLOT SCALE = 50.0000' / IN.	CHECKED - DAD	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								
PLOT DATE = 3/10/2010	DATE - 10-28-09	REVISED -									

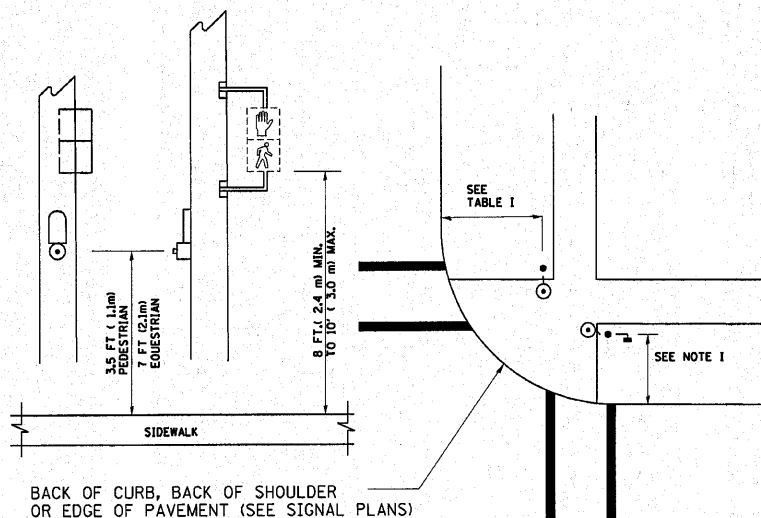
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
 MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA, INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

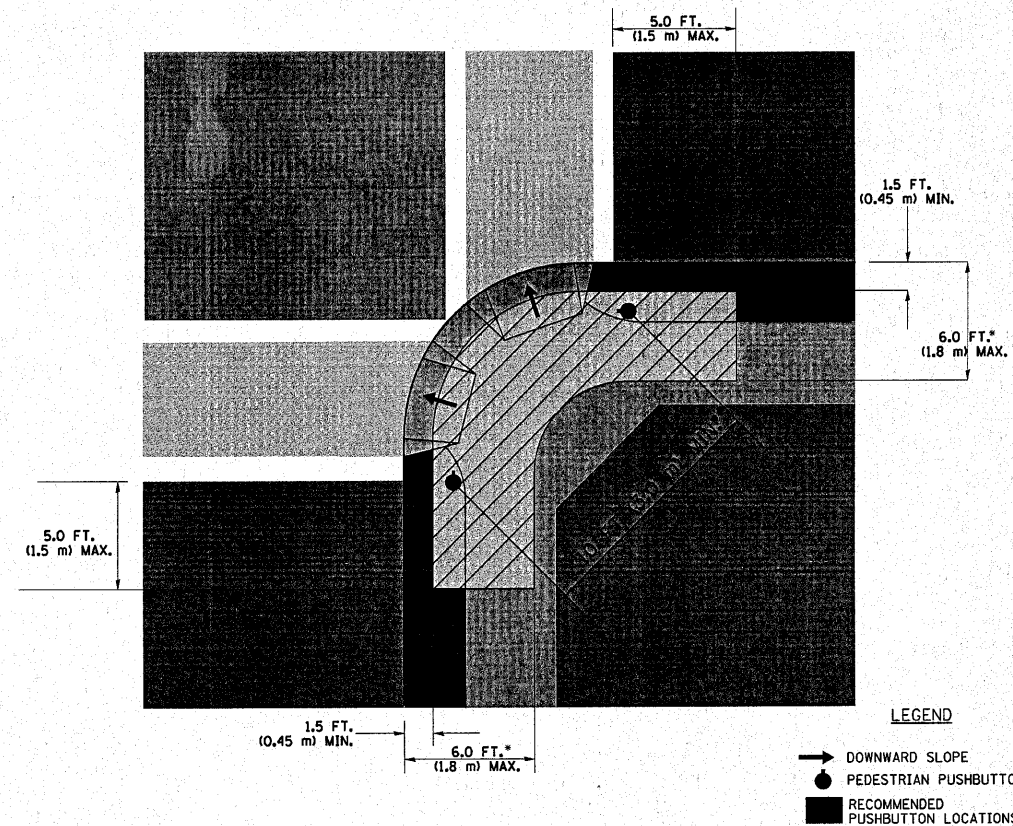
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

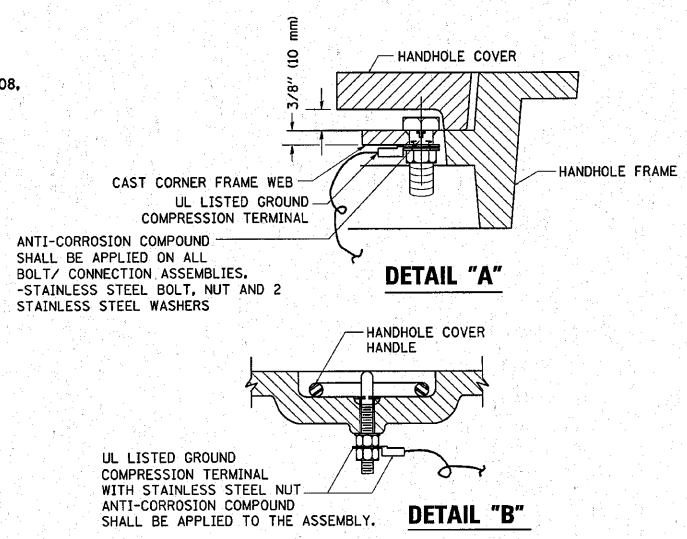
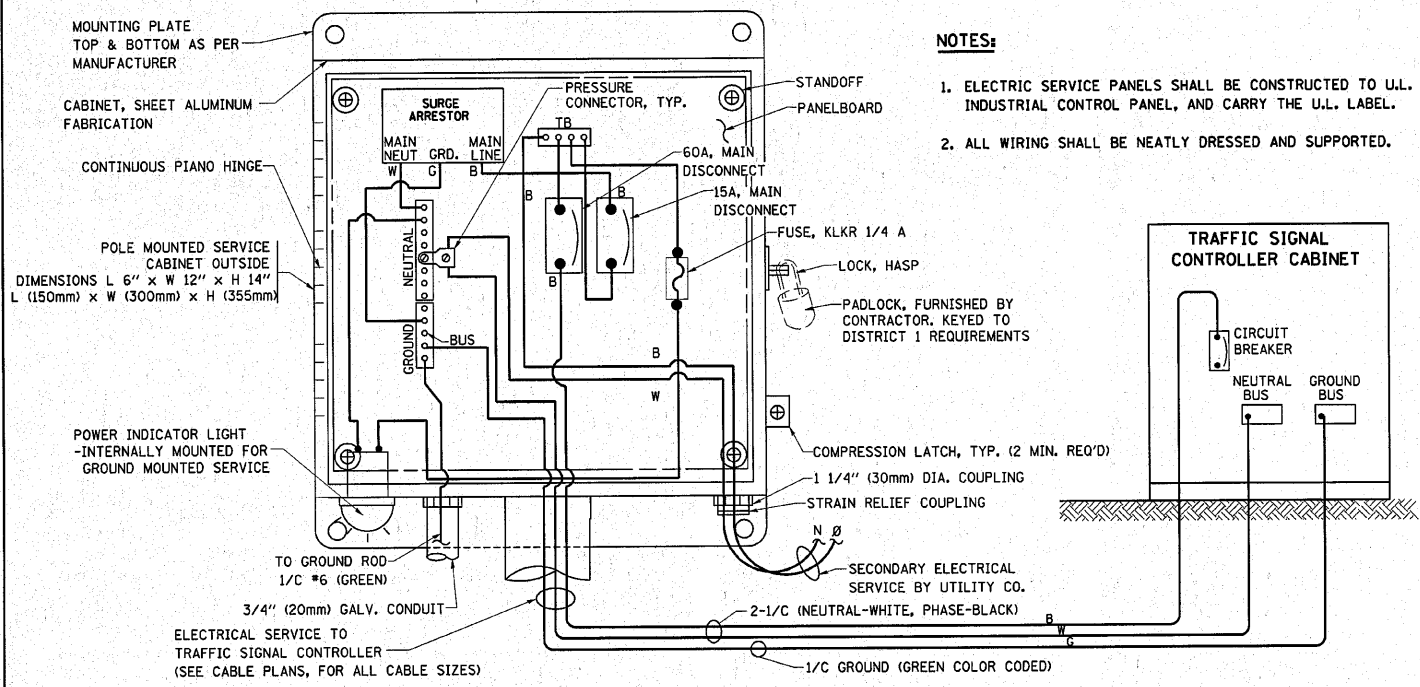
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	PLOT DATE = 3/23/2010	DATE - 10/28/09	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

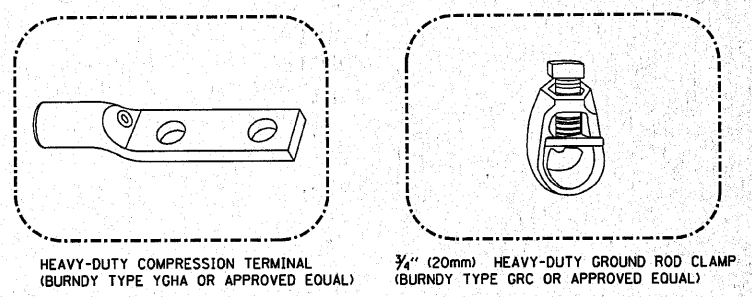
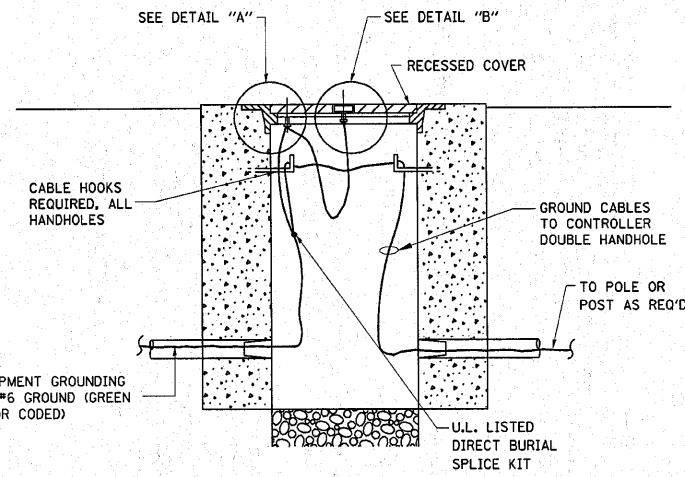
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-11	KANE	77	55
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.				

SCALE: SHEET NO. 2 OF 6 SHEETS STA. TO STA.

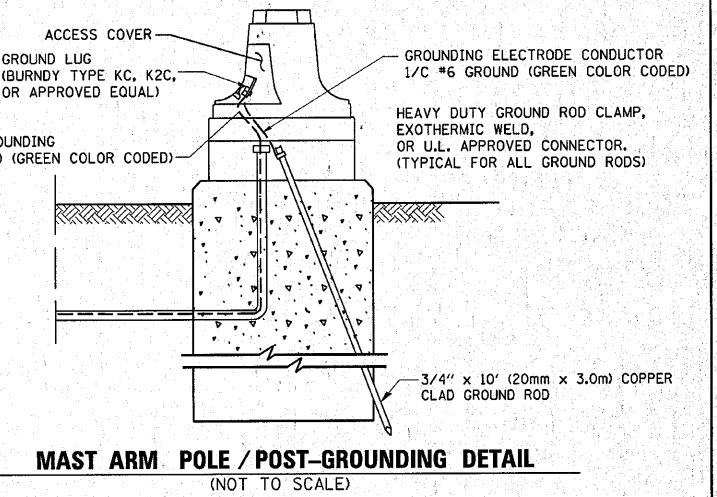
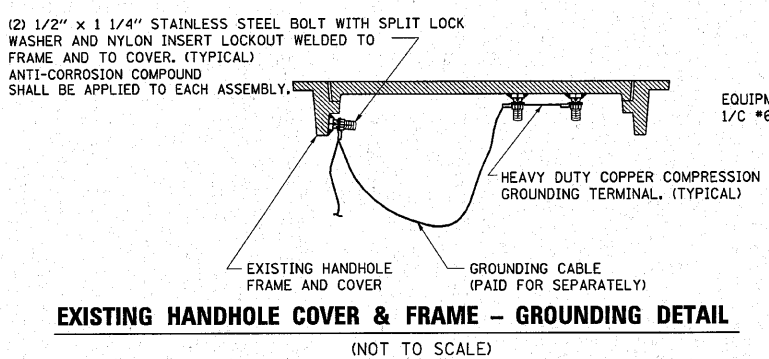
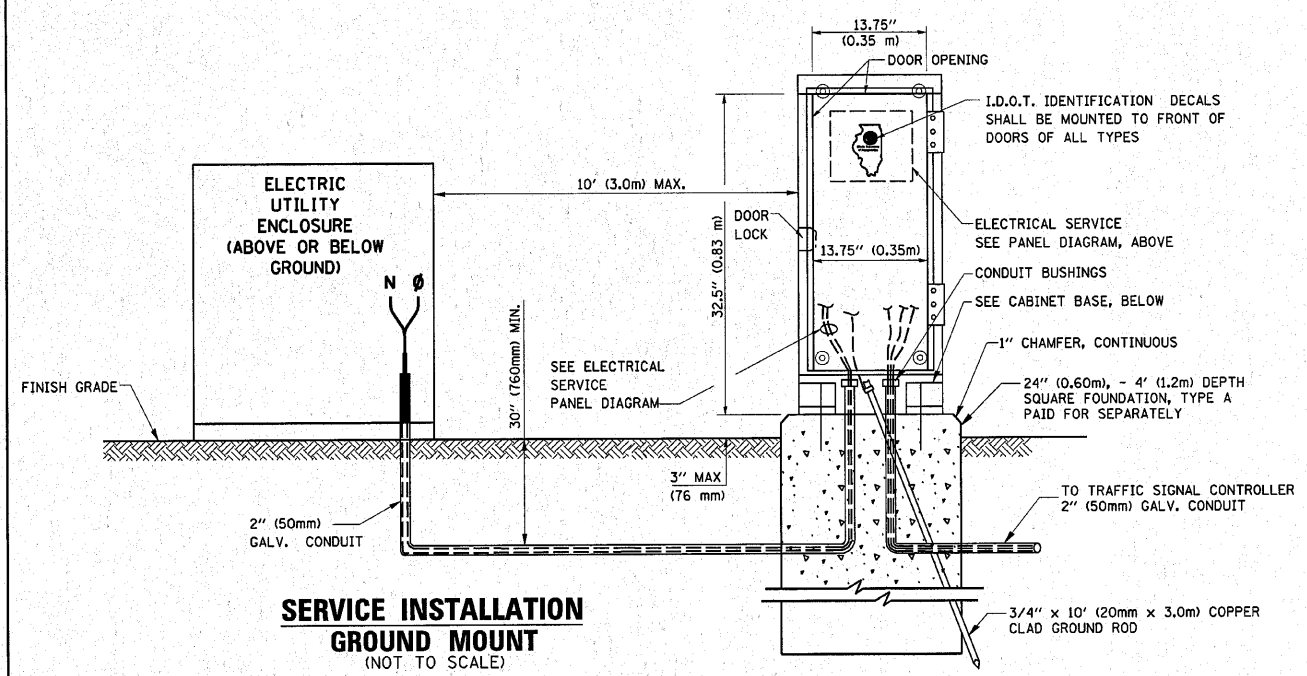


- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED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

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



- 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.



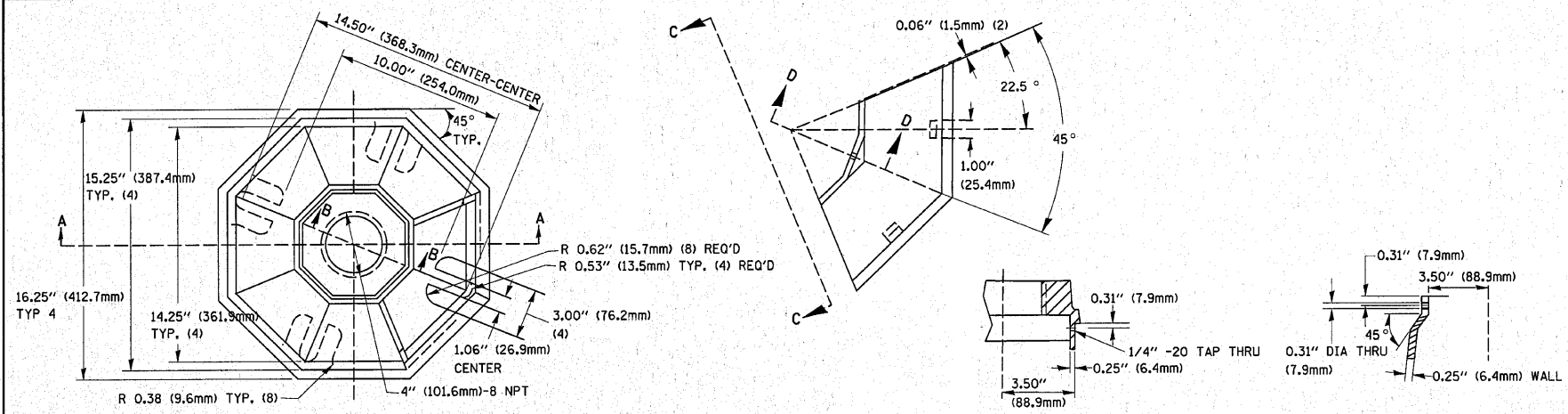
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)

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PLOT DATE = 3/10/2010		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 3 OF 6 SHEETS
STA.	TO STA.

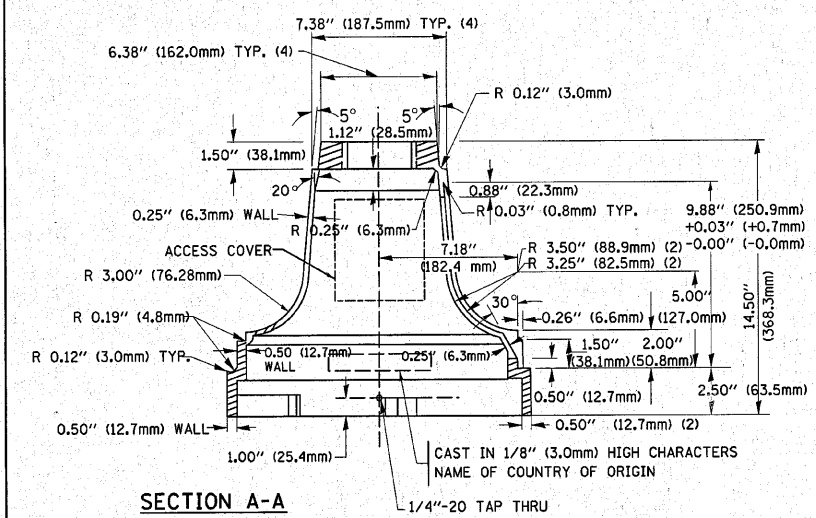
F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 56
TS-05		CONTRACT NO. 62914		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



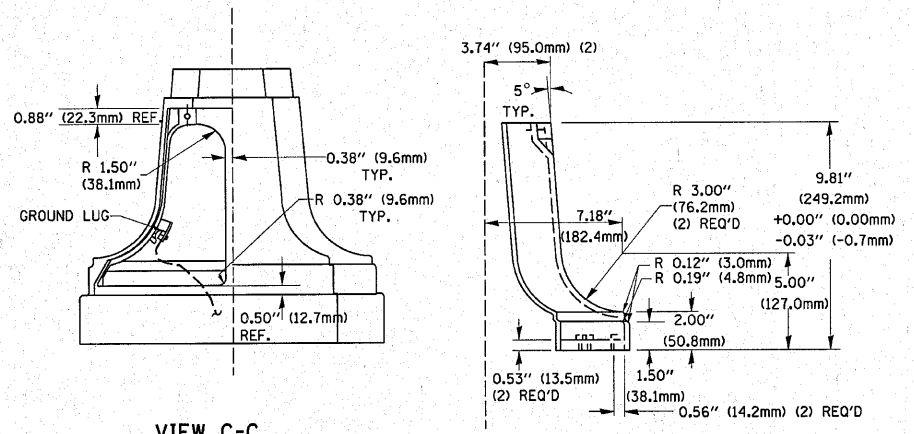
TOP VIEW

SECTION B-B

SECTION D-D

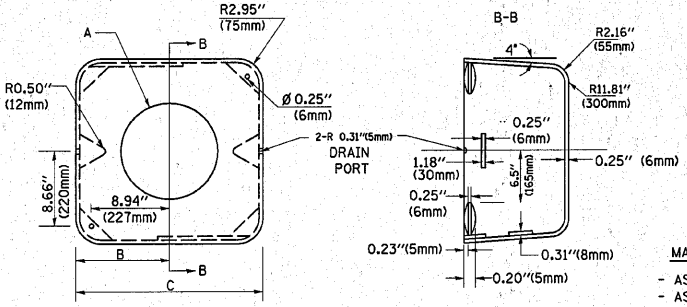


SECTION A-A



VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



SHROUD

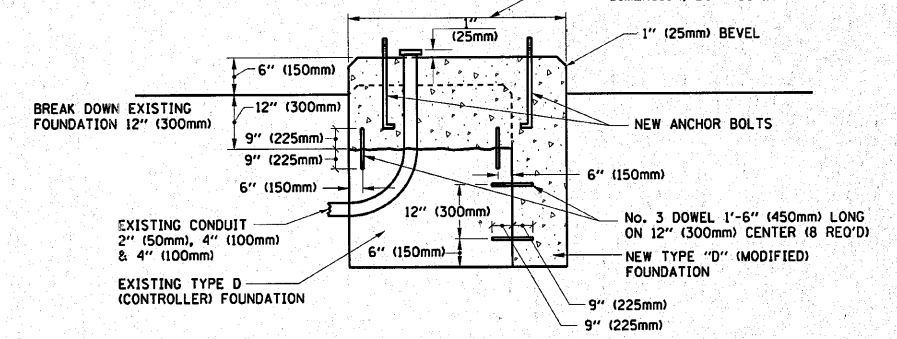
	A	B	C	HEIGHT	WEIGHT
VARIES	9.5\"(241mm)	19\"(483mm)	7\"(178mm)	7\"(178mm) - 12\"(300mm)	53 lbs (24kg)
VARIES	10.75\"(273mm)	21.5\"(546mm)	7\"(178mm)	7\"(178mm) - 12\"(300mm)	68 lbs (31 kg)
VARIES	13.0\"(330mm)	26\"(660mm)	7\"(178mm)	7\"(178mm) - 12\"(300mm)	81 lbs (37 kg)
VARIES	18.5\"(470mm)	37\"(940mm)	7\"(178mm)	7\"(178mm) - 12\"(300mm)	126 lbs (57 kg)

NOTES:

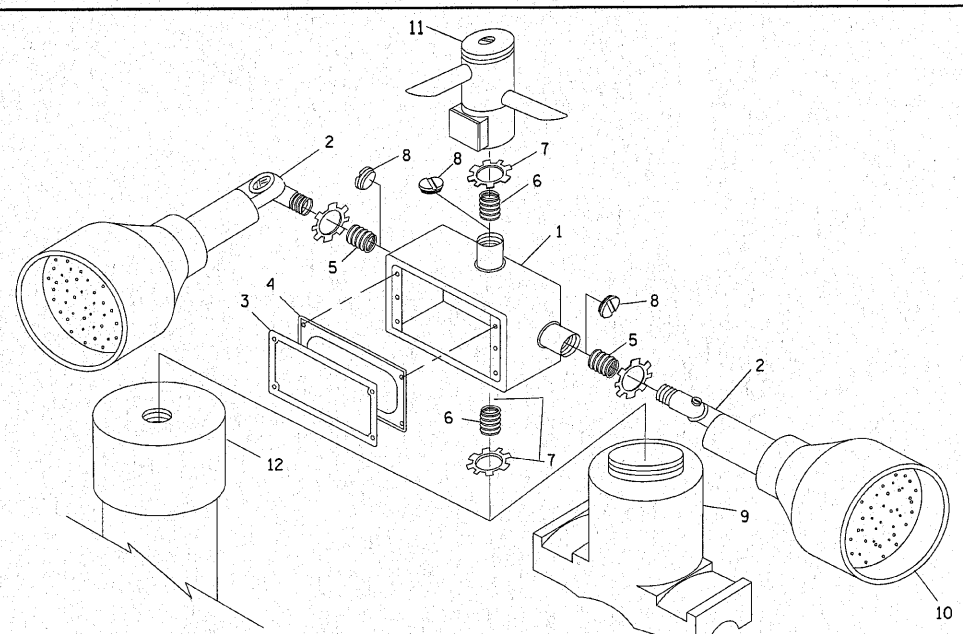
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



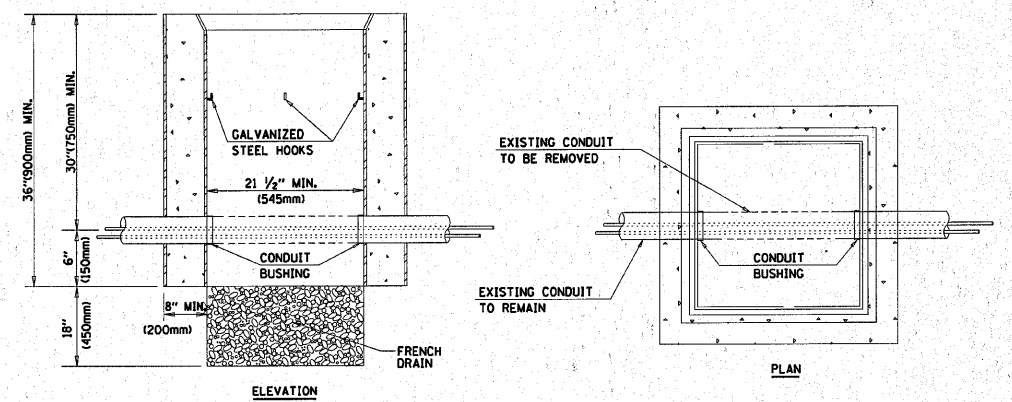
MODIFY EXISTING TYPE "D" FOUNDATION



ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU. IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\"(19 mm) CLOSE NIPPLE
7	3/4\"(19 mm) LOCKNUT
8	3/4\"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. 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
3. 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.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

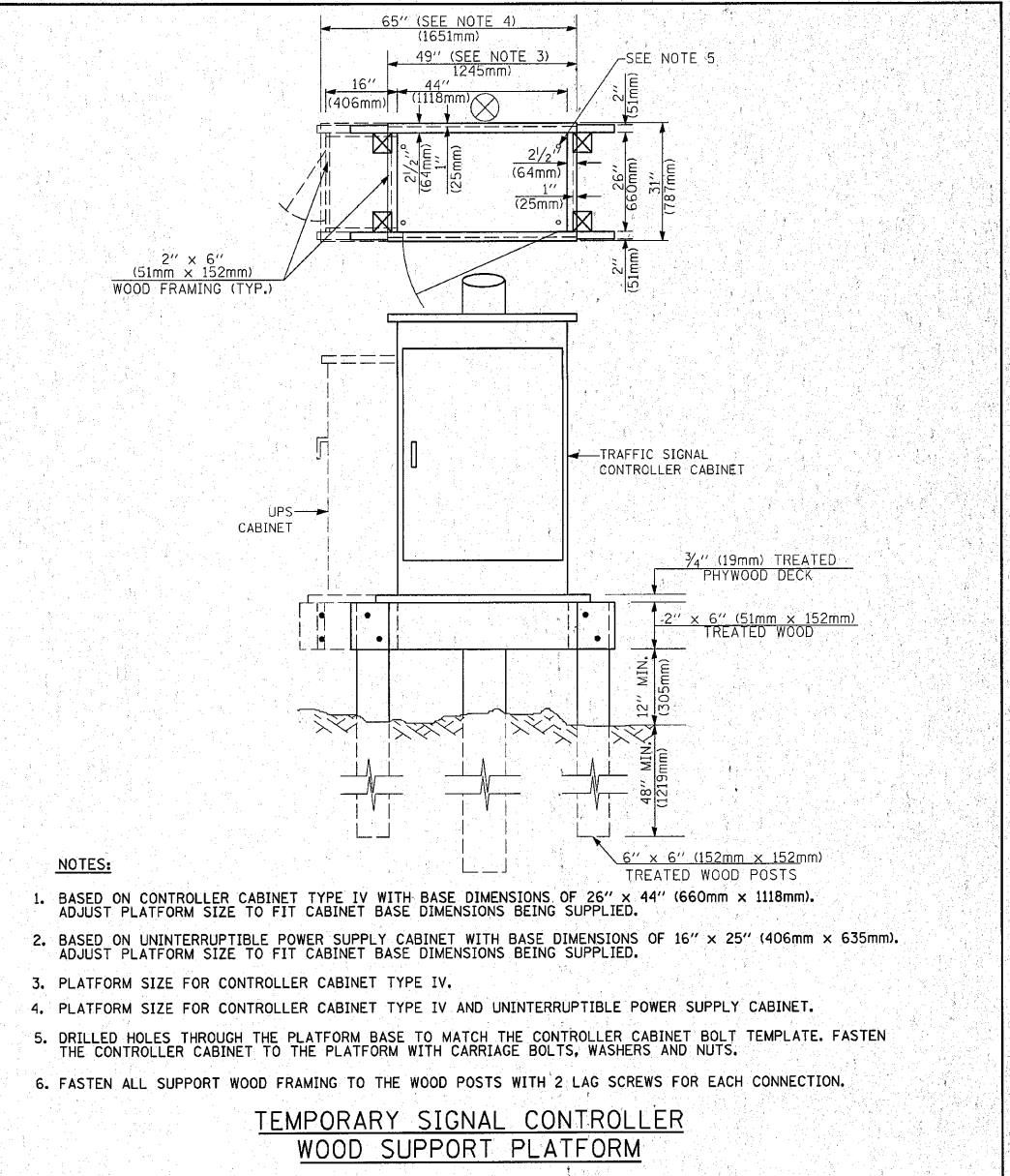
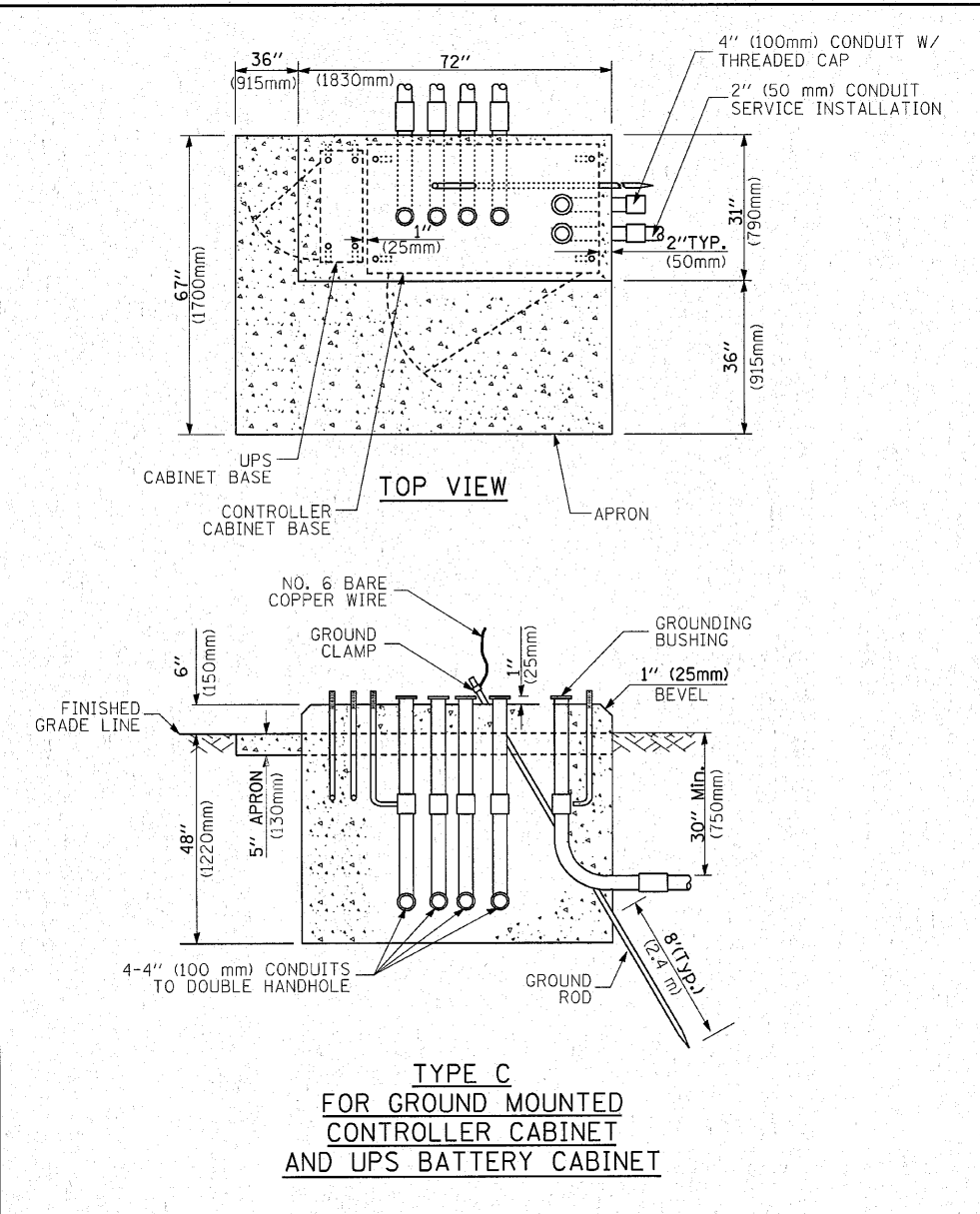
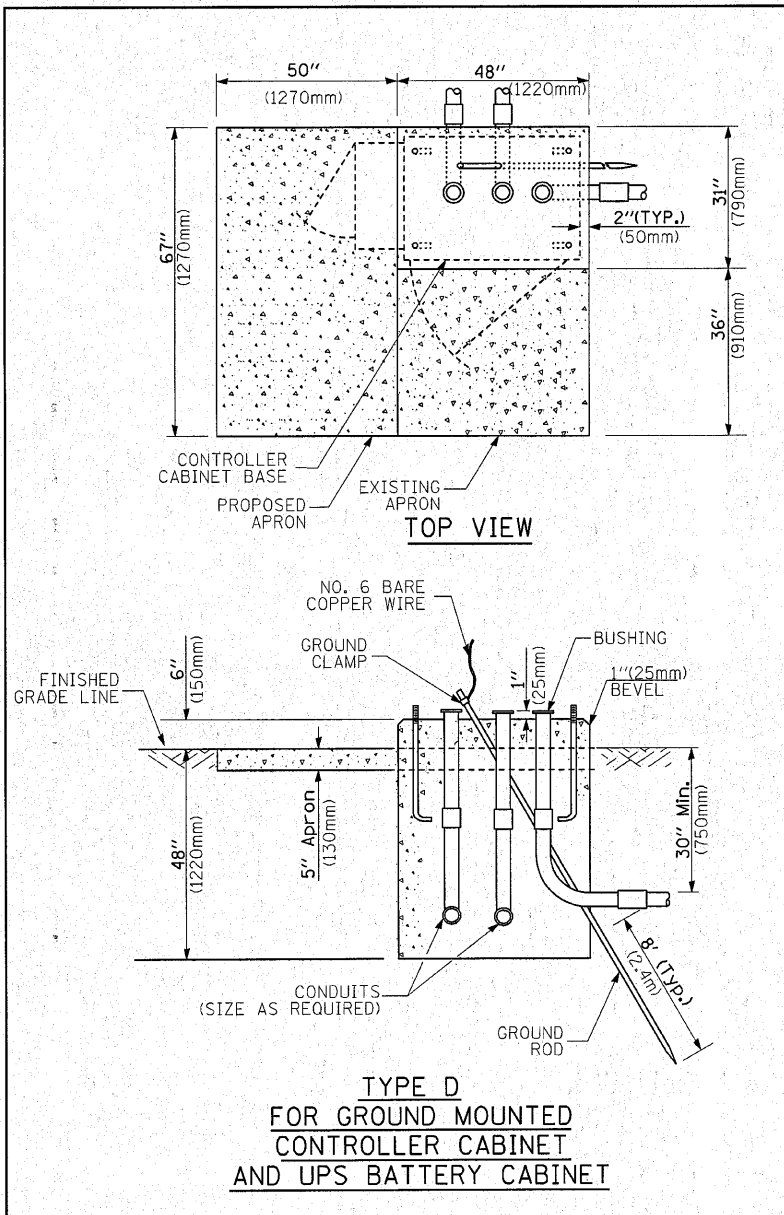
HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = qureshyya	DESIGNED - DAD	REVISED -
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PLOT SCALE = 50.0000' / IN.		CHECKED - DAD	REVISED -
PLOT DATE = 3/10/2010		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		3887	A-R-N-1	KANE	77	57
SCALE: NONE		SHEET NO. 4 OF 6 SHEETS		STA.	TO STA.	
				CONTRACT NO. 62914		

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
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- NOTES:**
- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
 - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

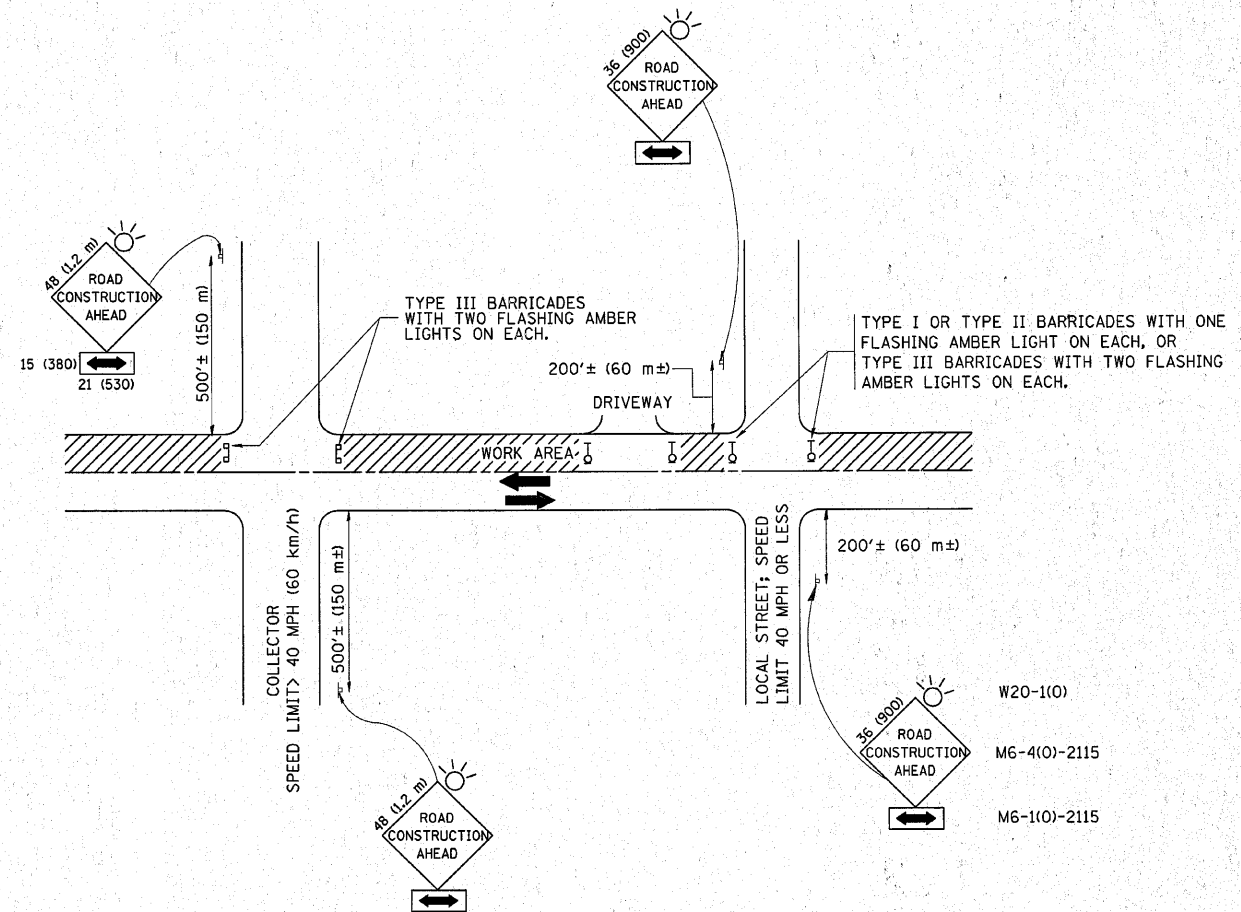
MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Q_u) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
 - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 - For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED																		
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE																					
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE																					
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA																					
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED																					
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F																					
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																					
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F 5M12F																					
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)																					
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																					
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																					
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																					
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED																					
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR																					
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">EXISTING</th> <th style="width: 25%; text-align: center;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td>RAILROAD CONTROL CABINET</td> <td></td> <td></td> </tr> <tr> <td>RAILROAD CANTILEVER MAST ARM</td> <td></td> <td></td> </tr> <tr> <td>FLASHING SIGNAL</td> <td></td> <td></td> </tr> <tr> <td>CROSSING GATE</td> <td></td> <td></td> </tr> <tr> <td>CROSSBUCK</td> <td></td> <td></td> </tr> </tbody> </table>					EXISTING	PROPOSED	RAILROAD CONTROL CABINET			RAILROAD CANTILEVER MAST ARM			FLASHING SIGNAL			CROSSING GATE			CROSSBUCK		
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PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID																									
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER																									
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT																									
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER																									
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																									
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																									
MICROWAVE VEHICLE SENSOR																													
VIDEO DETECTION CAMERA																													
VIDEO DETECTION ZONE																													
PAN, TILT, ZOOM CAMERA																													
WIRELESS DETECTOR SENSOR																													
WIRELESS ACCESS POINT																													



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 40 MPH (60 km/h) 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.**

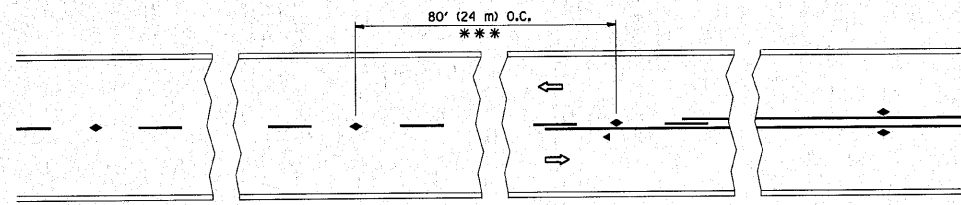
All dimensions are in millimeters (inches) unless otherwise shown.

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ca\pwork\pwork\qureshiye\0111256\0111256.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,0000 / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 3/10/2010	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

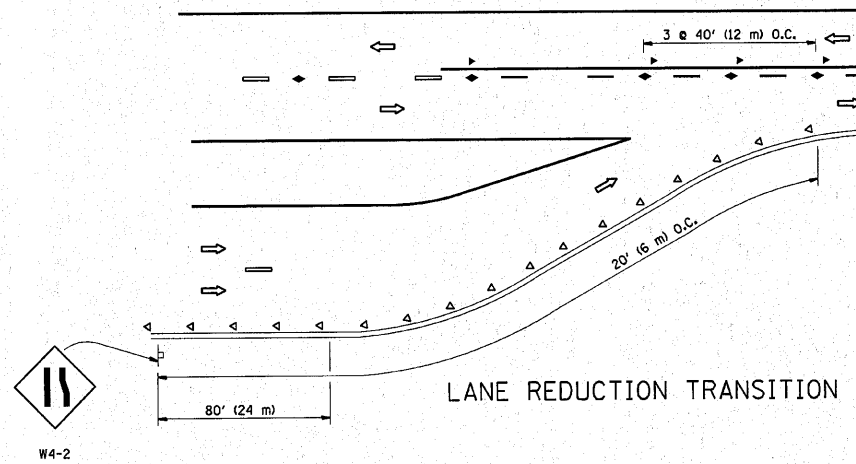
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62914	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

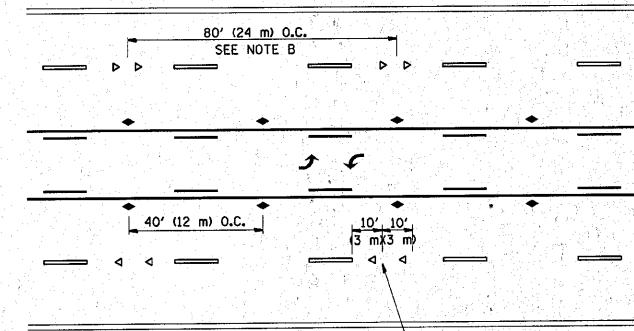


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

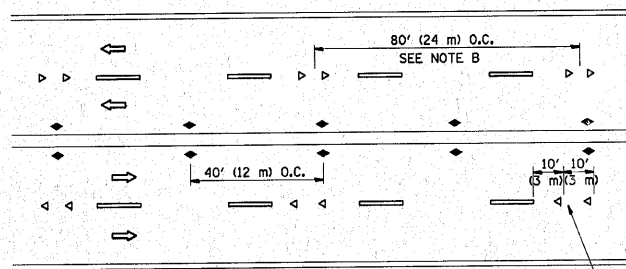
TWO-LANE/TWO-WAY



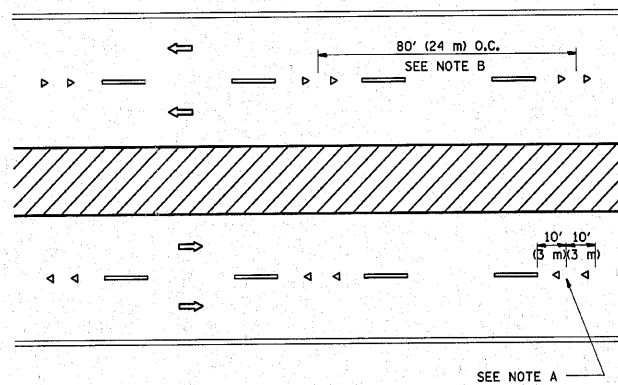
LANE REDUCTION TRANSITION



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

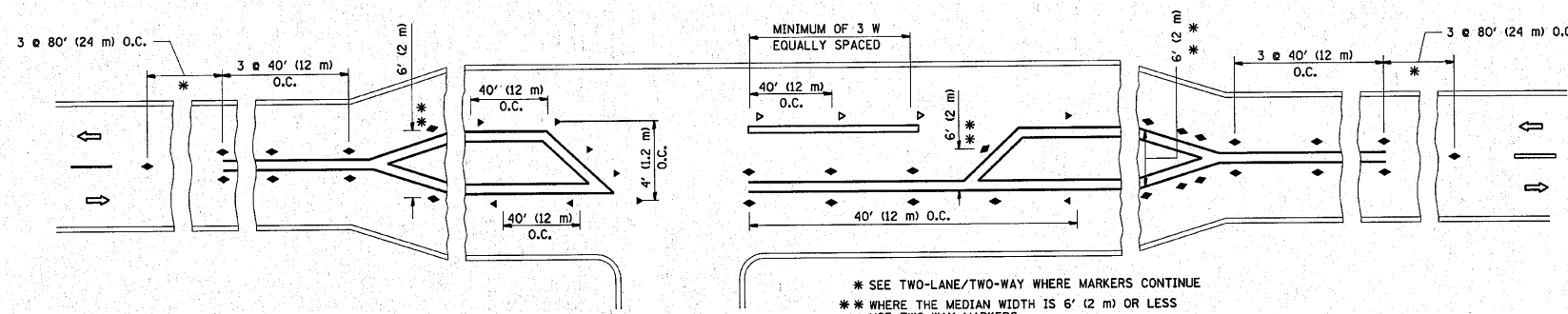
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

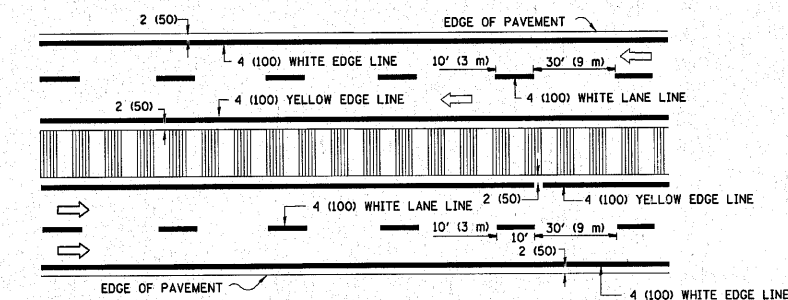
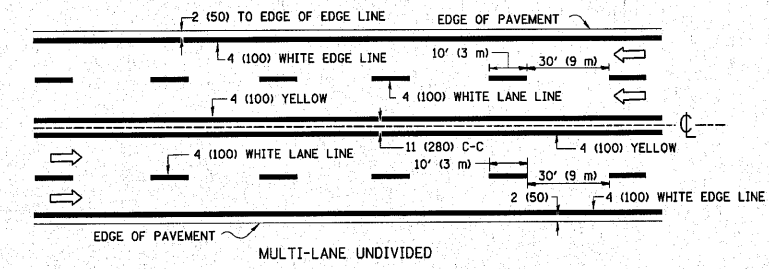
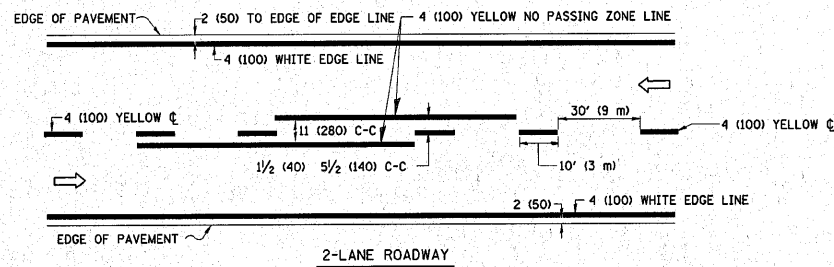
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = qureshaya	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/10/2010	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

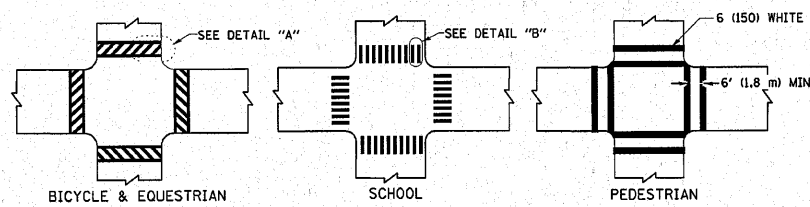
TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	61
TC-11			CONTRACT NO. 62914	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

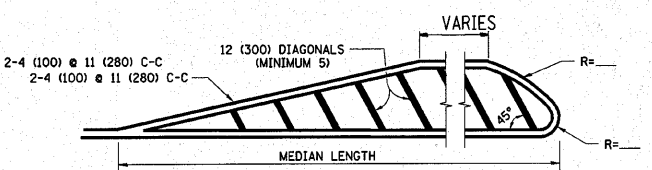
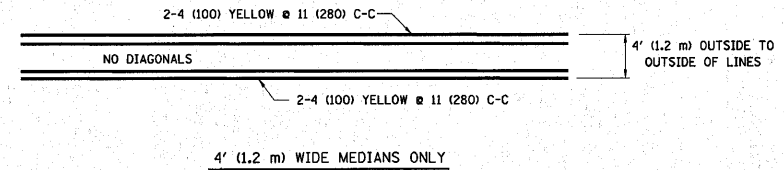


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

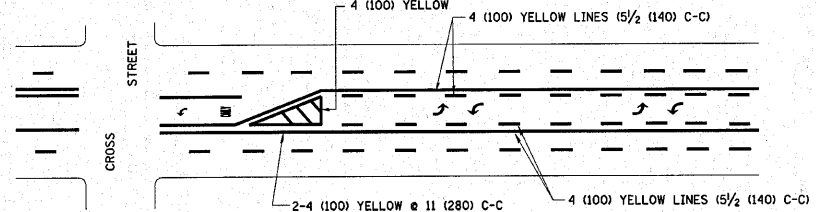


TYPICAL CROSSWALK MARKING



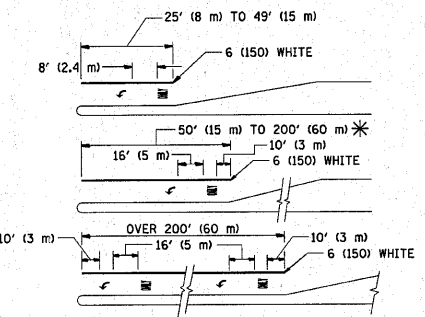
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



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.

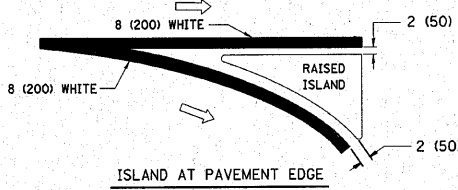
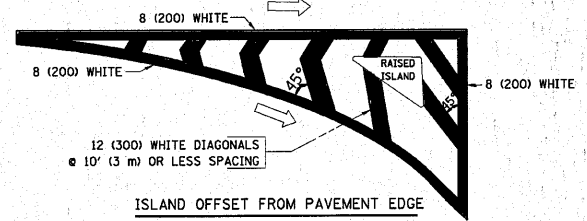
TYPICAL PAINTED MEDIAN MARKING



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 TURN LANE MARKING

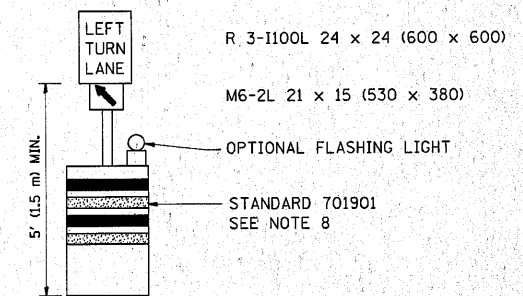
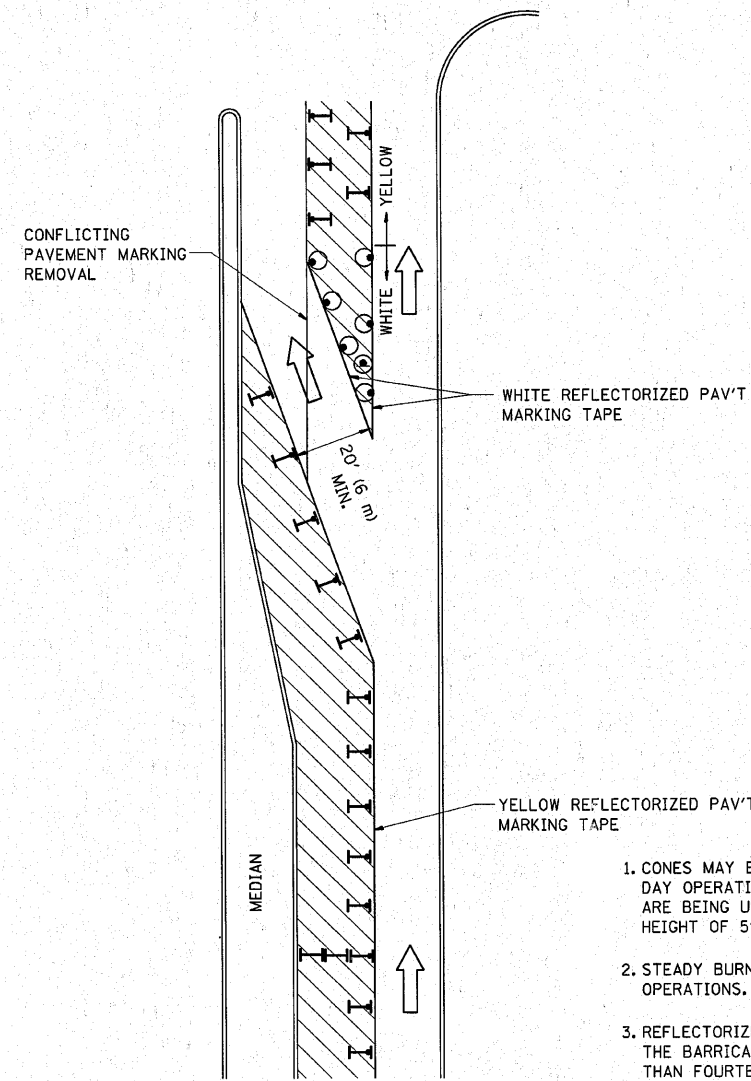


TYPICAL ISLAND MARKING

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 FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 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 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
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° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
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 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.

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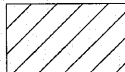







GENERAL NOTES

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 OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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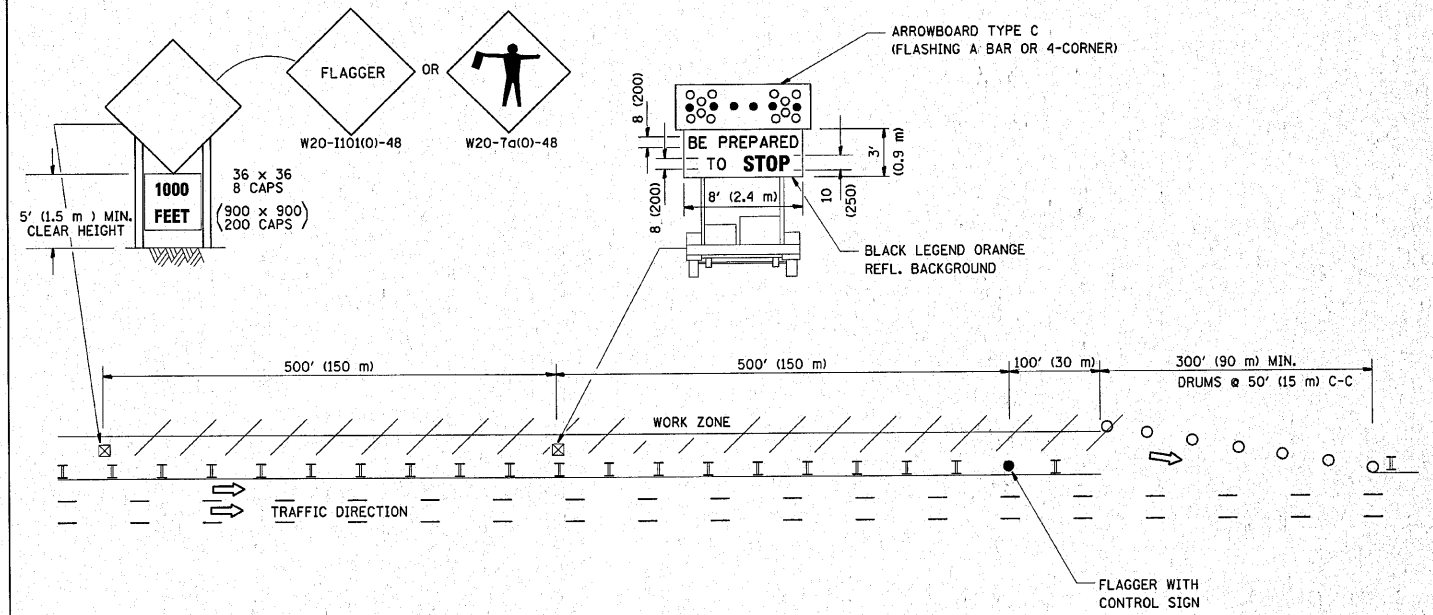
LEGEND

-  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

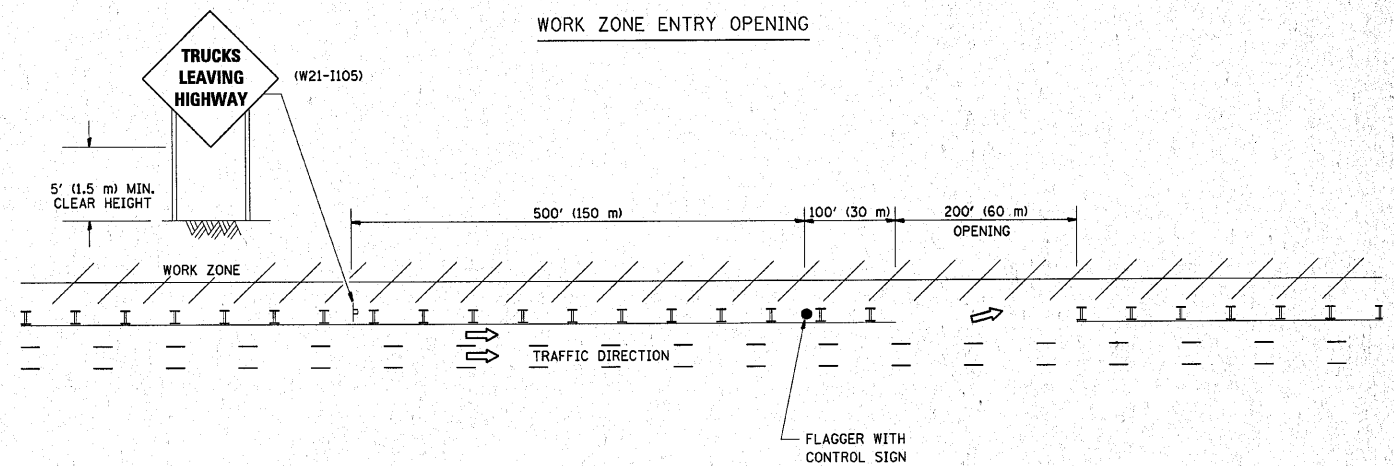
FILE NAME =	USER NAME = qureshiya	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwork\qureshiya\d0111256\Dist	td.dgn	REVISED - A. HOUSEH 11-07-95	REVISED -		3887	A-R-N-1	KANE	77	63			
PLOT SCALE = 50.0000' / IN.		REVISED - A. HOUSEH 10-12-96	REVISED -		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		TC-14	
PLOT DATE = 3/10/2010		REVISED - T. RAMMACHER 01-06-00	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 62914					

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD 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. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
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

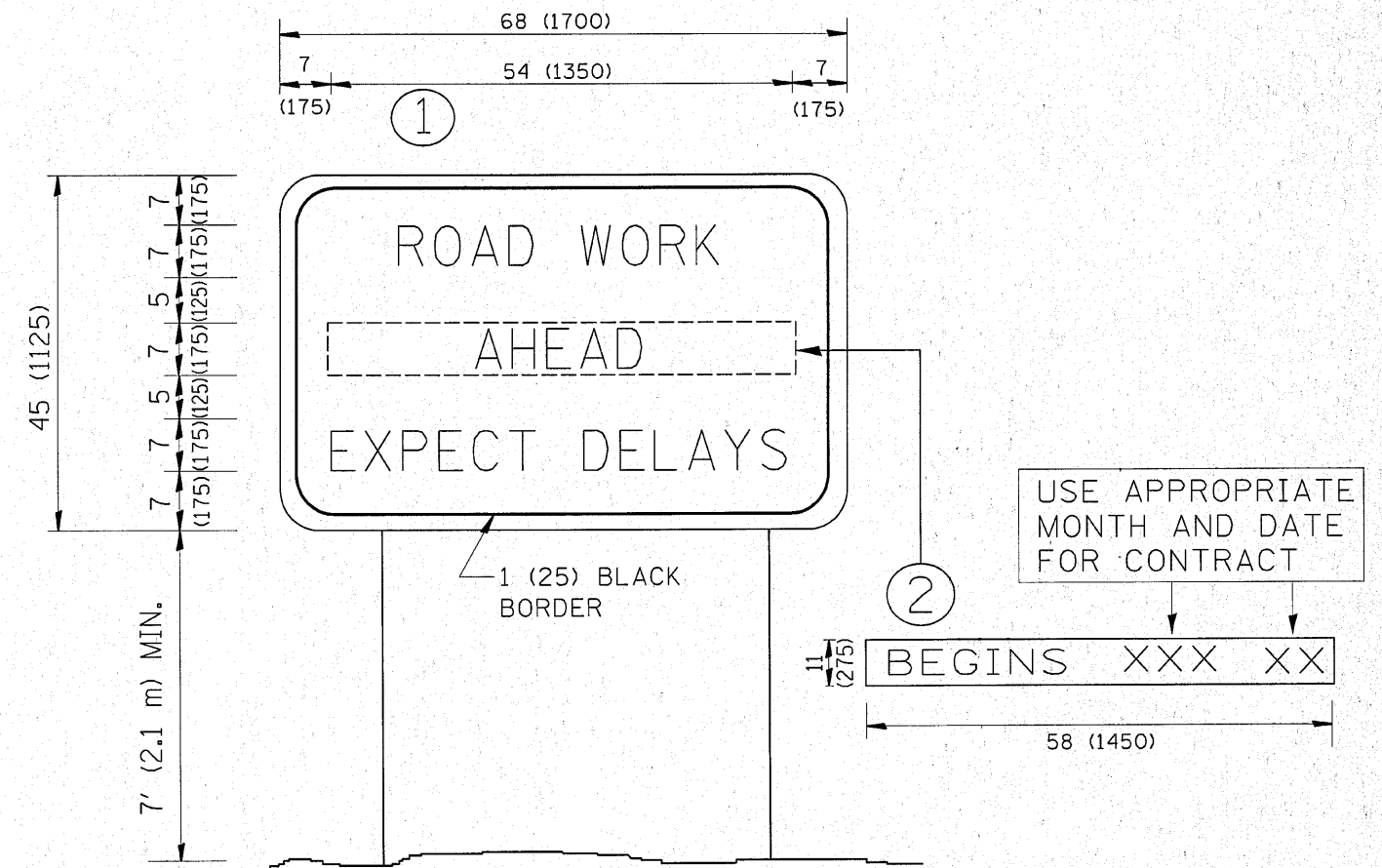
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	PLOT DATE = 3/10/2010	DATE -	REVISED - S.P.B. 12-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	65
TC-18			CONTRACT NO. 62914	
FED. ROAD DIST. NO. 1 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.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

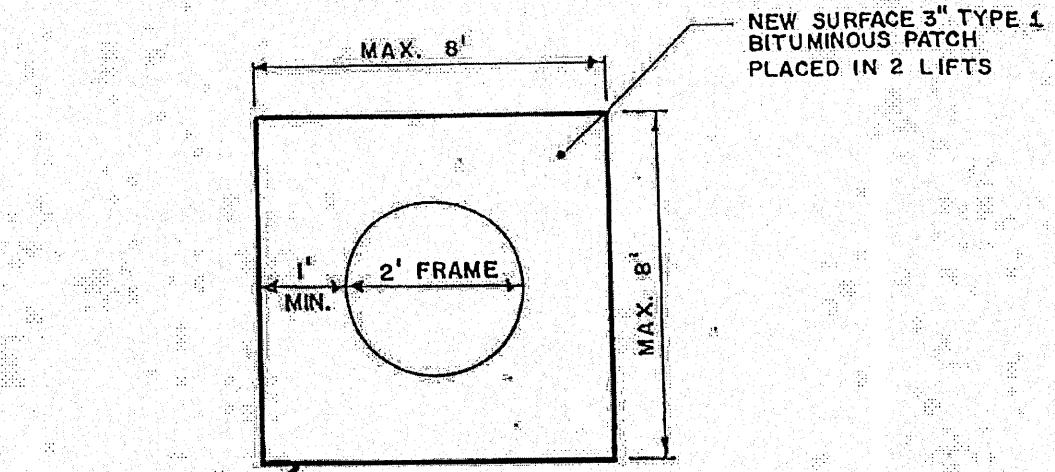
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ca\pv_work\pwsdot\qureshiya\d0111256\Dist\dsi.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

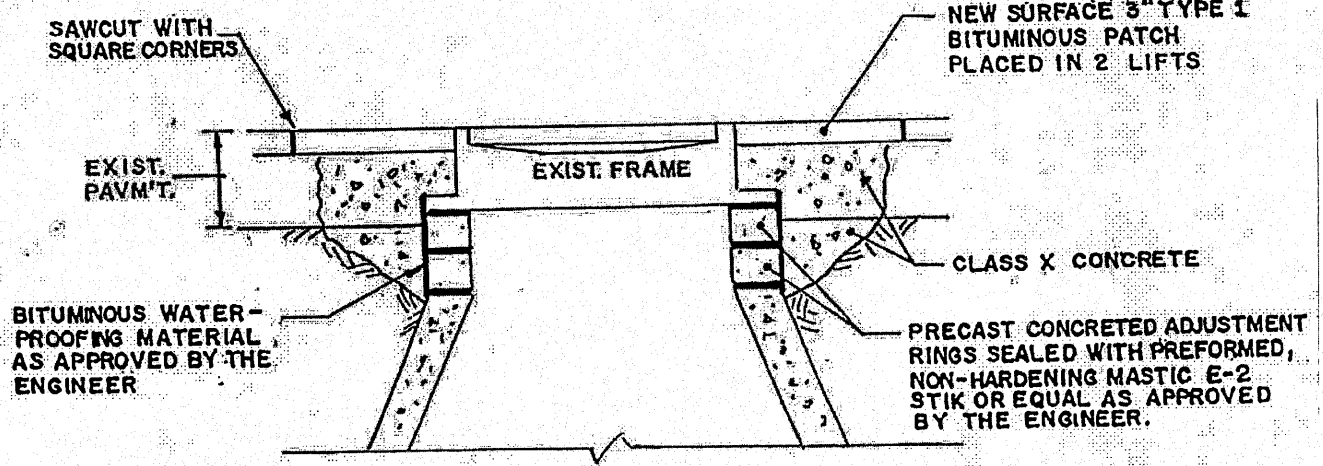
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	66
TC-22			CONTRACT NO. 62914	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



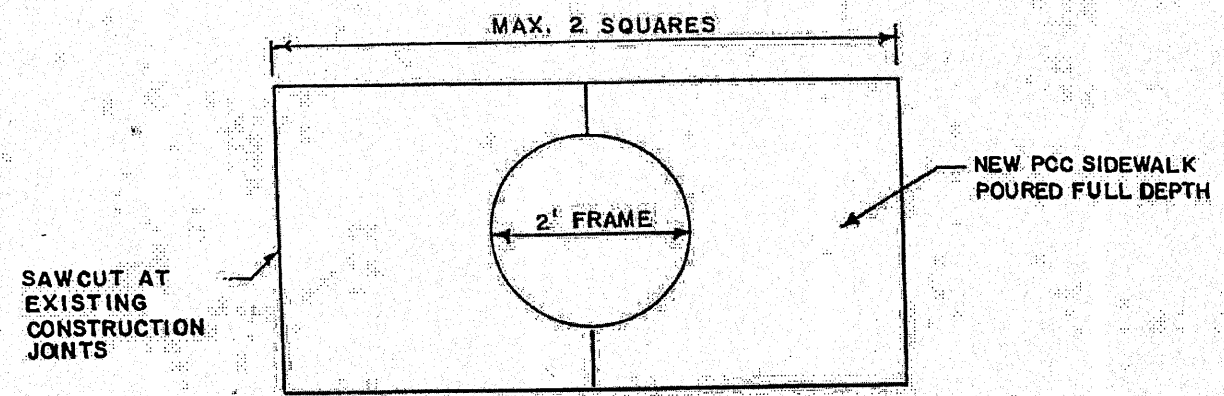
PLAN VIEW

SAWCUT WITH SQUARE CORNERS

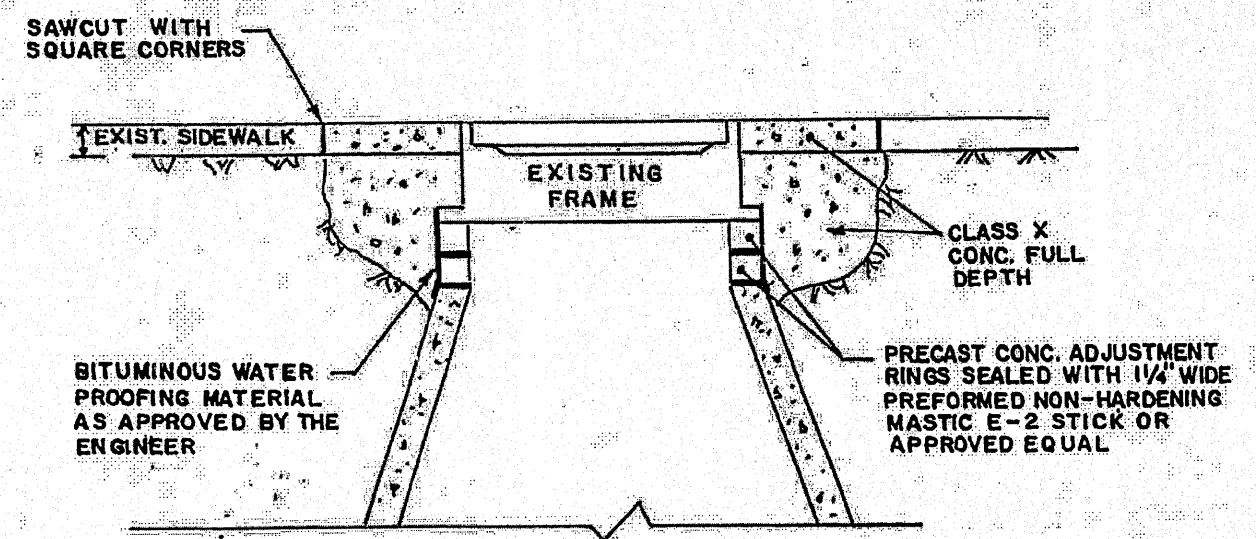


SECTION VIEW

**MANHOLE FRAME SEALING
IN BITUMINOUS PAVEMENT
DETAIL
NO SCALE**



PLAN VIEW



SECTION VIEW

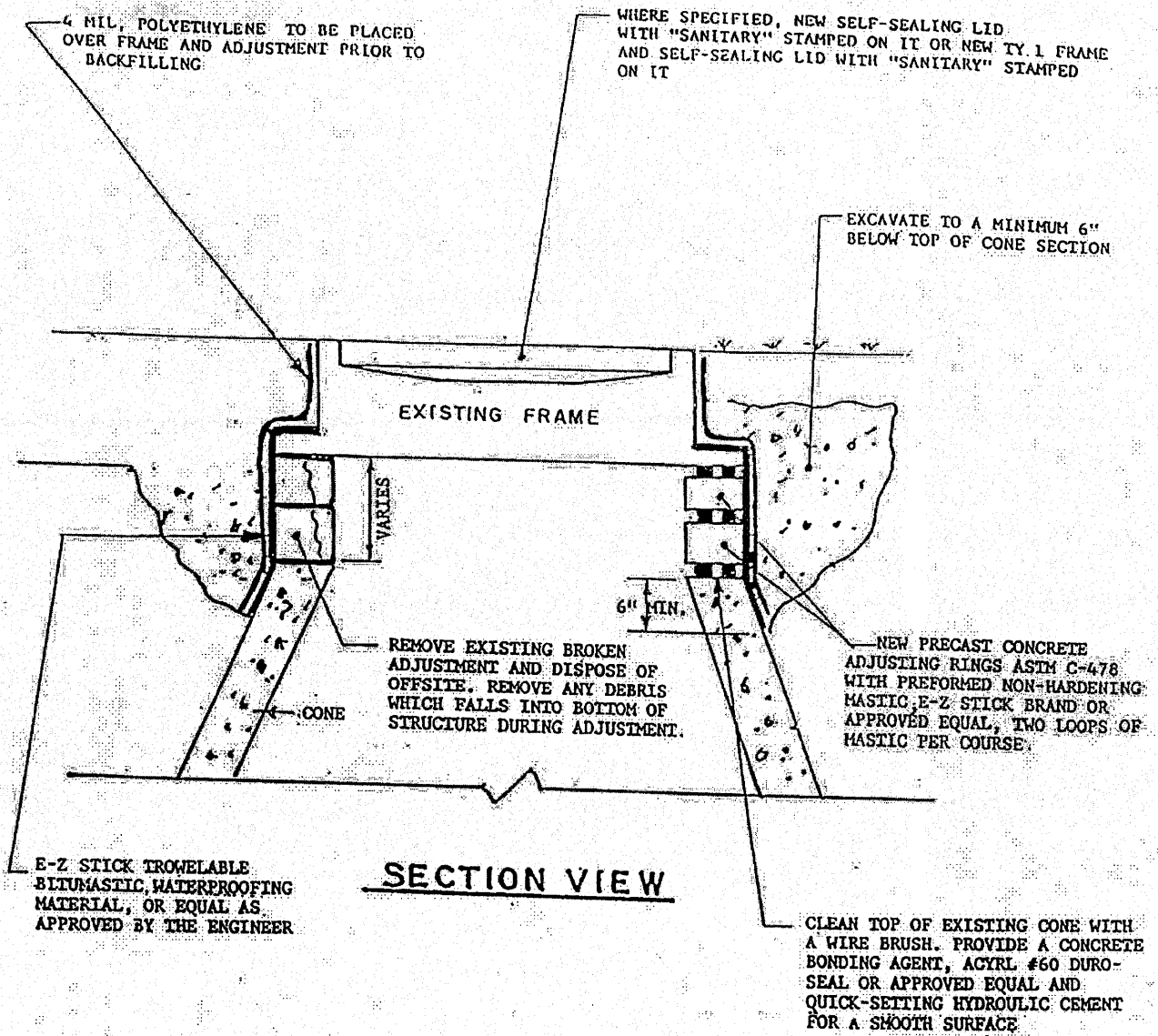
**MANHOLE FRAME SEALING IN
P.C.C. SIDEWALK
DETAIL
NO SCALE**

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	PLOT DATE = 2/9/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MANHOLE FRAME SEALING DETAILS			
SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	67
CONTRACT NO. 62914				
ILLINOIS FED. AID PROJECT				



**MANHOLE FRAME SEALING IN GRASS
DETAIL
NO SCALE**

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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

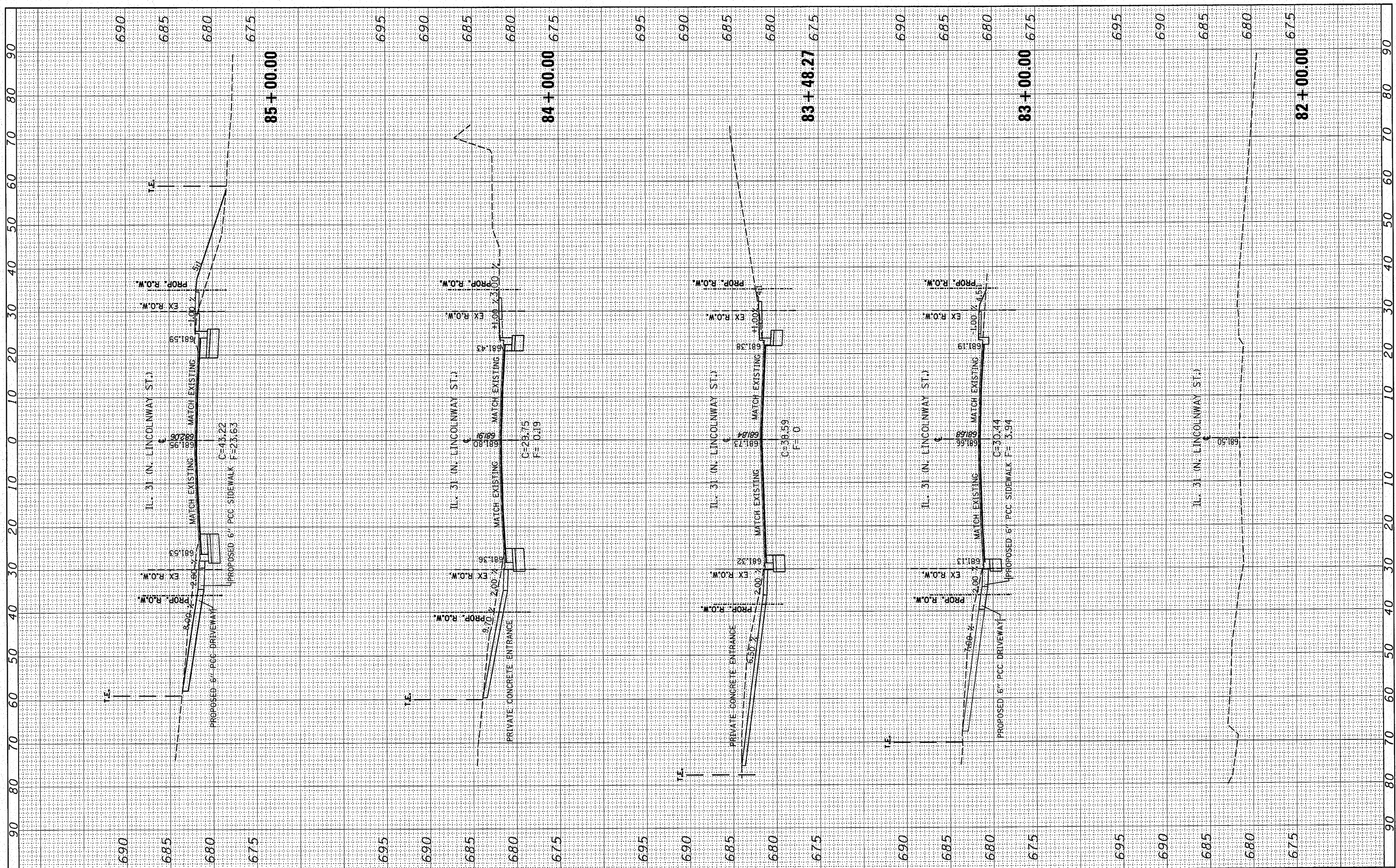
MANHOLE FRAME SEALING DETAILS

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	68
CONTRACT NO. 62914				
ILLINOIS FED. AID PROJECT				

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

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



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. RTE 31 @ OAK ST.
CROSS SECTIONS**

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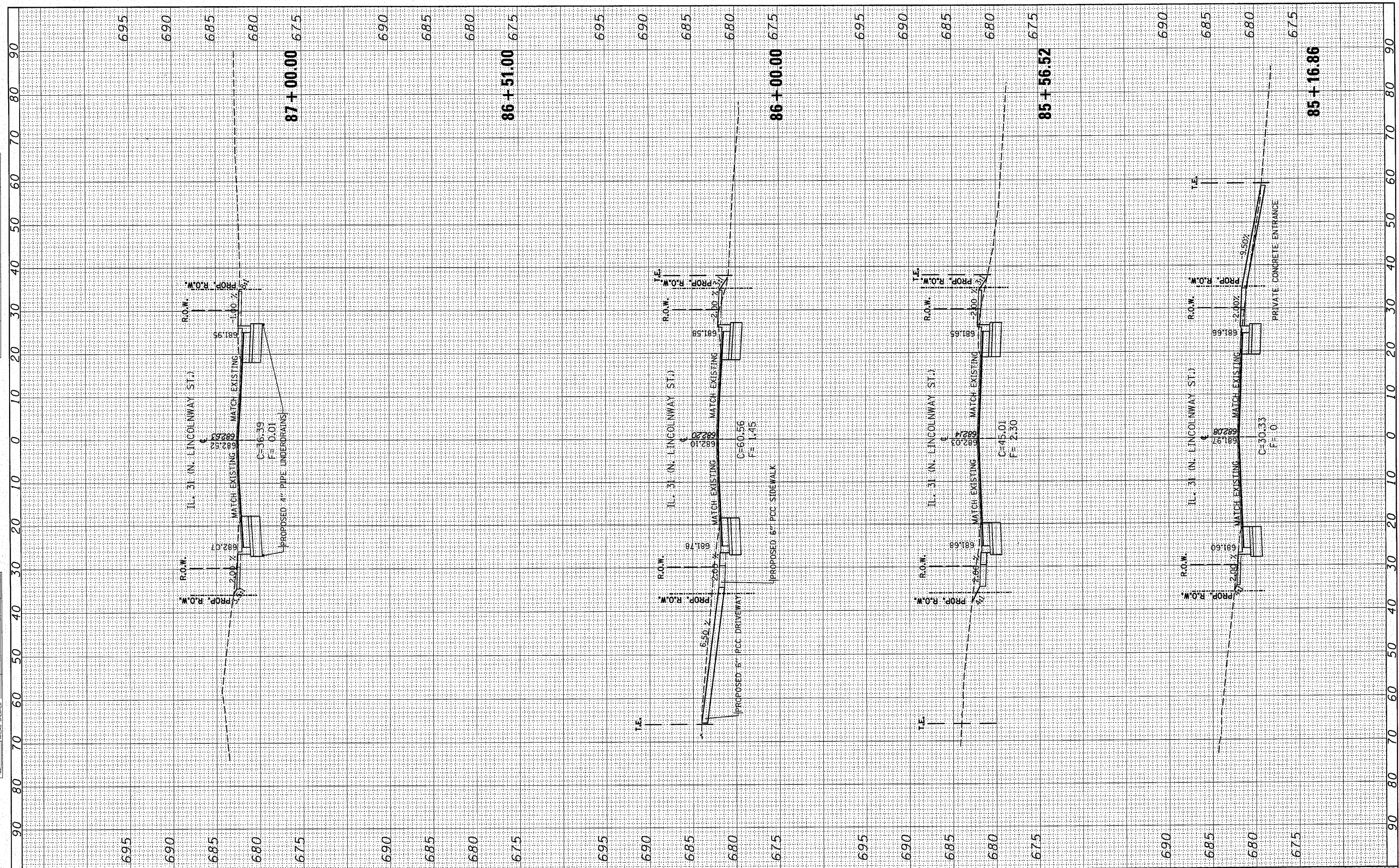
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SCALE: SHEET NO. OF SHEETS STA. 82+00.00 TO STA. 85+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	70
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

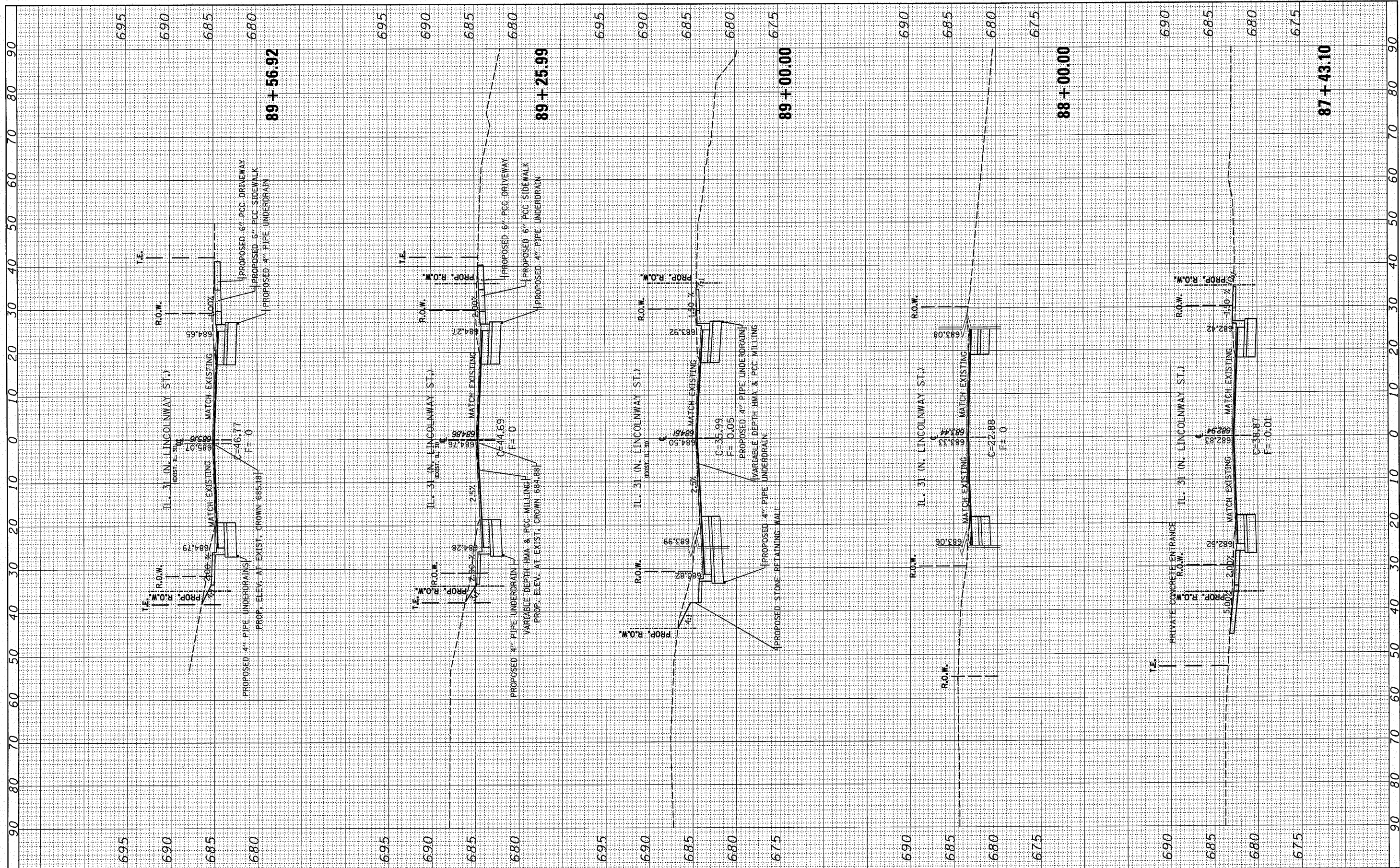
**IL. RTE 31 @ OAK ST.
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 85+16.86 TO STA. 87+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	71
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	DATE
SURVEY PLOTTED	
TEMPLATE	
NOTE BOOK	
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 PLOT DATE = 4/6/2010

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

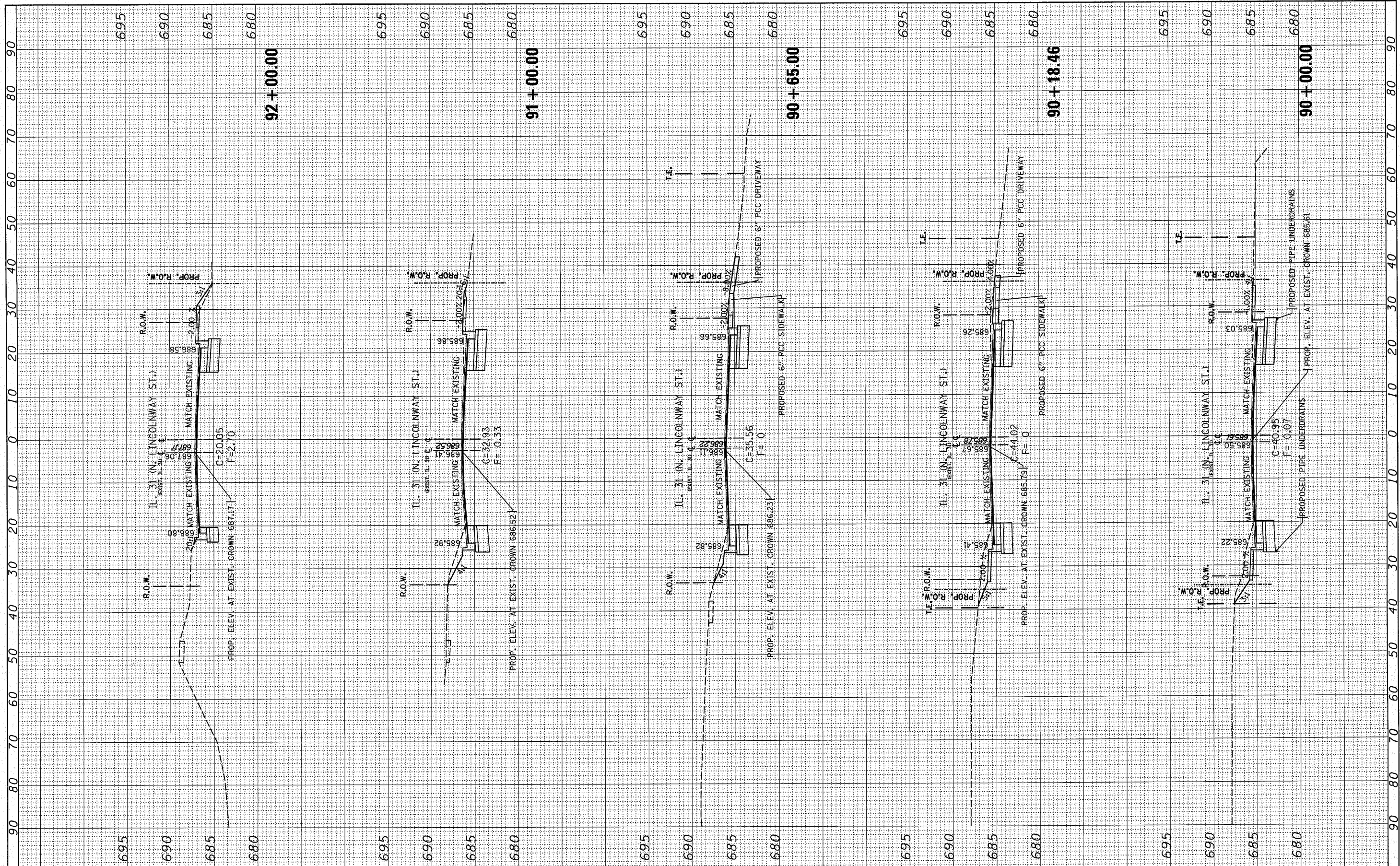
IL. RTE 31 @ OAK ST.
 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 87+43.10 TO STA. 89+56.92

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	72
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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



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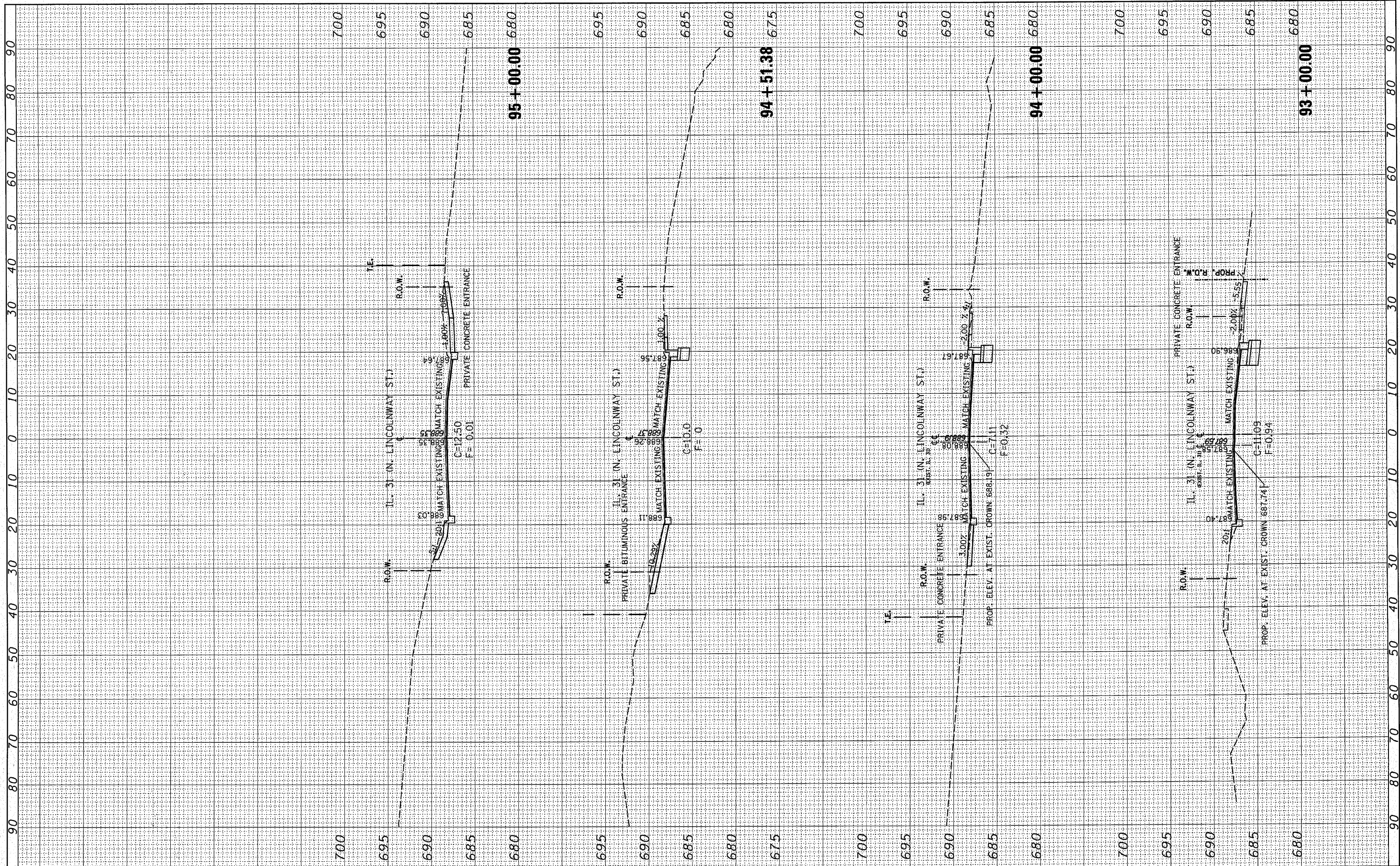
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL. RTE 31 @ OAK ST.
 CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. 90+00.00 TO STA. 92+00.00

F.A.J. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 73
CONTRACT NO.				ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY	BY	DATE
REVISED SURVEY		
NOTE BOOK		
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PLOTTED		
TEMPLATE		
AREAS		
CHECKED		



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PLOT DATE = 3/18/2010	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

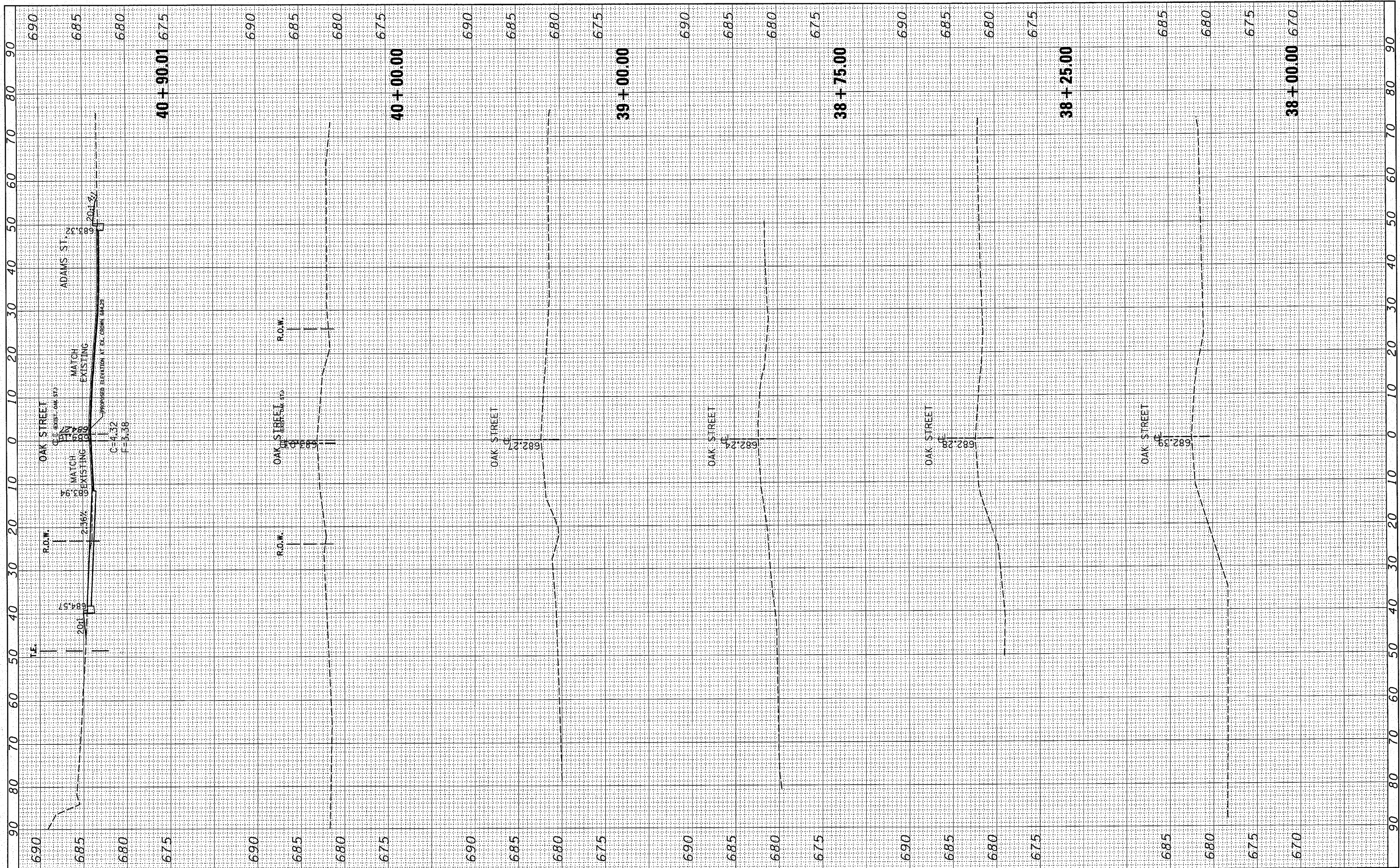
**IL. RTE 31 @ OAK ST.
CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 93+00.00 TO STA. 95+00.00

F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 74
CONTRACT NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
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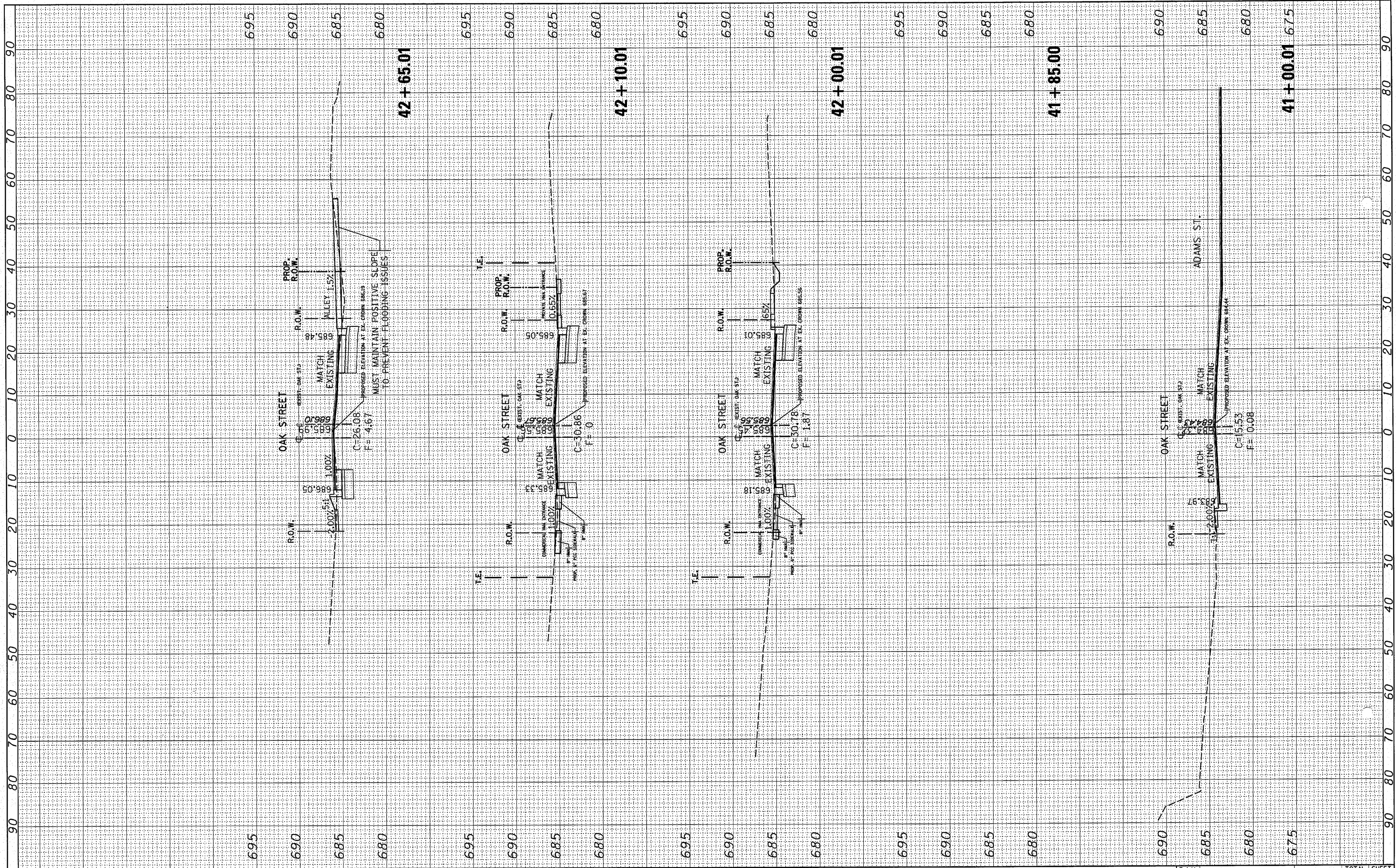
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET NO. OF SHEETS		STA. 38+00.00 TO STA. 40+90.01	
		OAK ST. @ IL RTE. 31		CROSS SECTIONS	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	A-R-N-1	KANE	77	75
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
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DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

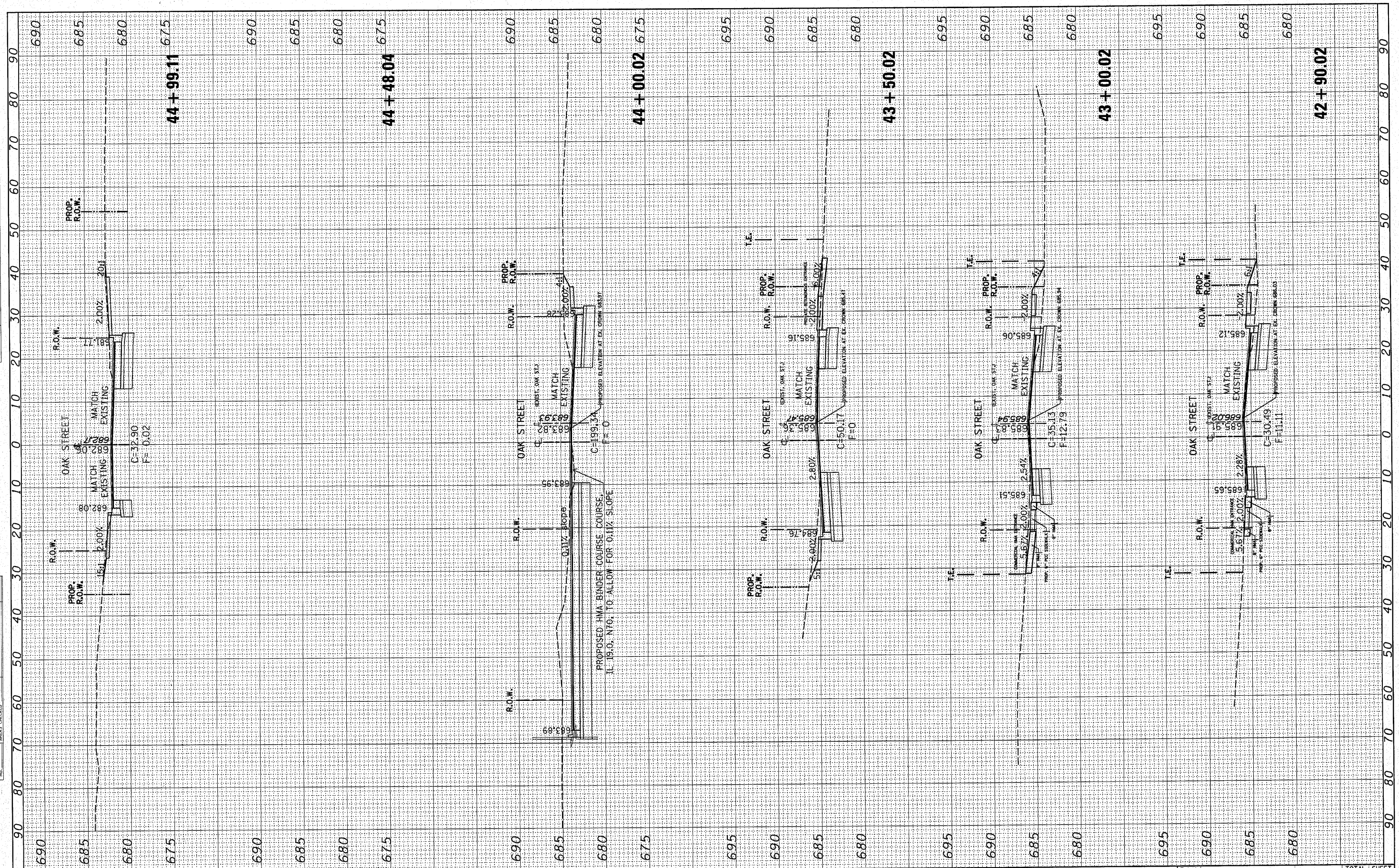
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**OAK ST. @ IL. RTE. 31
CROSS SECTIONS**

F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 75A
CONTRACT NO. ILLINOIS FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**OAK ST. @ IL. RTE. 31
 CROSS SECTIONS**
 SCALE: SHEET NO. OF SHEETS STA. 42+90.02 TO STA. 44+99.11

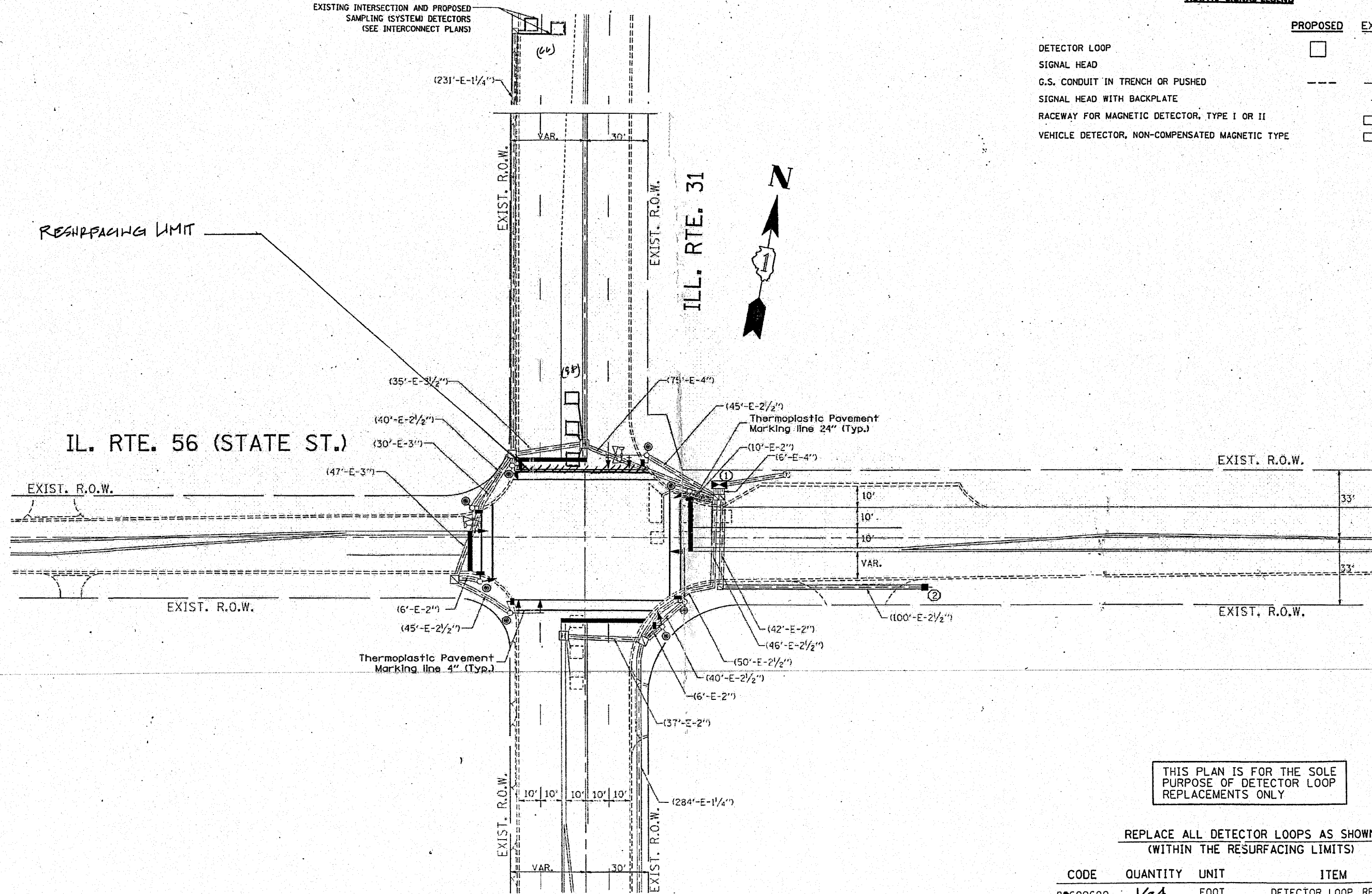
F.A.U. RTE. 3887	SECTION A-R-N-1	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 76
CONTRACT NO.				ILLINOIS FED. AID PROJECT

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		

EXISTING INTERSECTION AND PROPOSED SAMPLING (SYSTEM) DETECTORS (SEE INTERCONNECT PLANS)

RESURFACING LIMIT



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	164	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = kenthphixaybo	DESIGNED - BCK	REVISED -
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	PLOT DATE = 4/3/2009	DATE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
ILL. ROUTE 31 @ ILL. ROUTE 56

F.A.M. RTE. 31	SECTION A-A-N-3	COUNTY KANE	TOTAL SHEETS 77	SHEET NO. 77
SCALE: NONE			CONTRACT NO.	
SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		