

PROPOSED HIGHWAY PLANS

F.A.P. 347 IL RTE 38 (ROOSEVELT RD)

SECTION: (CY&543R)TS(14)

PROJECT: HSIP-0347(003)

WIDENING AND RESURFACING, TRAFFIC SIGNAL INSTALLATION

SUMMIT AVENUE TO IL RTE 83

DUPAGE COUNTY

JOB NUMBER: C-91-236-14

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY ILLINOIS	DUPAGE	TOTAL SHEETS 110	SHEET NO. 1
			CONTRACT NO. 60X87		0-91-236-14

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGE OF VILLA PARK AND IN THE CITY OF OAKBROOK TERRACE

TRAFFIC DATA

IL RTE 38 (ROOSEVELT ROAD) (PRINCIPAL ARTERIAL)

2013 ADT = 52,300
POSTED SPEED LIMIT 35 & 45 MPH
DESIGN SPEED LIMIT 35 & 45 MPH

SUMMIT AVENUE (MINOR ARTERIAL)

2012 ADT = 13,900
POSTED SPEED LIMIT (NORTH) 25 MPH
POSTED SPEED LIMIT (SOUTH) 35 MPH
DESIGN SPEED LIMIT (NORTH) 25 MPH
DESIGN SPEED LIMIT (SOUTH) 35 MPH

EUCLID AVENUE (LOCAL)

2012 ADT = 1,390
POSTED SPEED LIMIT 25 MPH
DESIGN SPEED LIMIT 25 MPH

VILLA AVENUE (MINOR ARTERIAL)

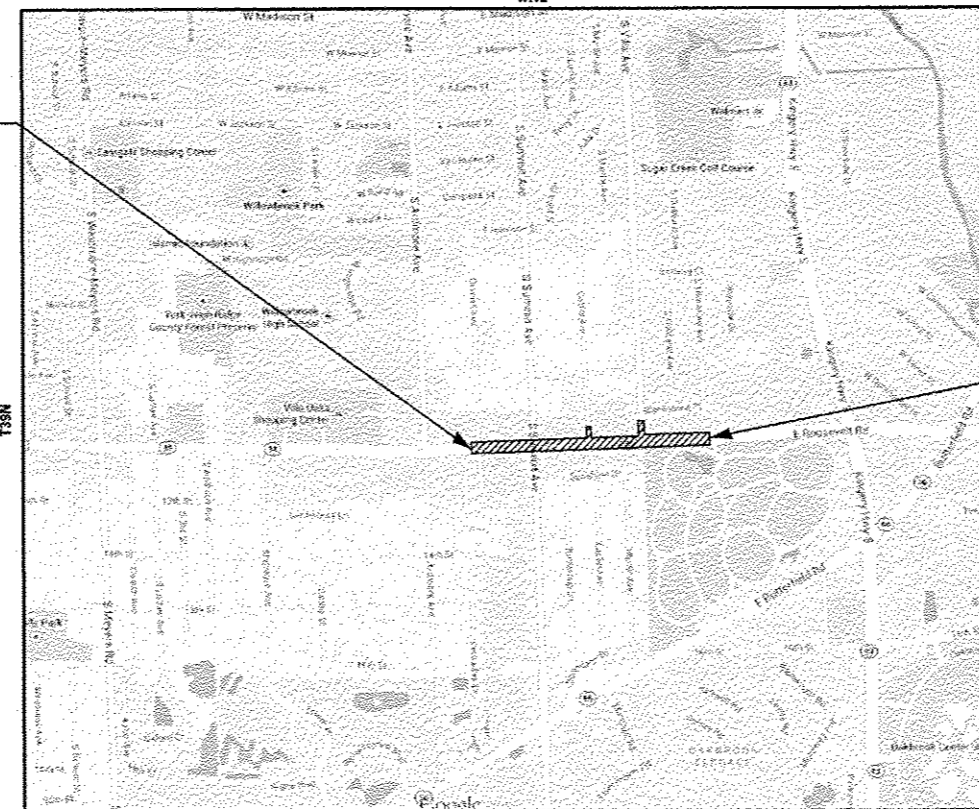
2012 ADT = 2,700
POSTED SPEED LIMIT 25 MPH
DESIGN SPEED LIMIT 25 MPH

PROJECT BEGINS
IL RTE 38 (ROOSEVELT ROAD)
STA. 93 + 00

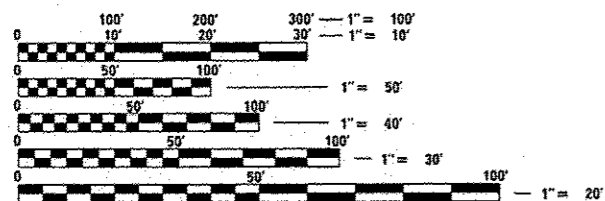
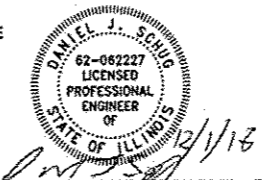
PROJECT ENDS
IL RTE 38 (ROOSEVELT ROAD)
STA. 121 + 91



LOCATION MAP



(NOT TO SCALE)
SW 1/4 AND SE 1/4 OF SEC 15 TWP 39N, R11E AND THE NW 1/4 AND NE 1/4 OF SEC 22 TWP 39N, R11E
OF THE THIRD PRINCIPAL MERIDIAN
YORK TOWNSHIP
GROSS LENGTH = 2,891 FT. = 0.548 MILE
NET LENGTH = 2,891 FT. = 0.548 MILE



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

DISTRICT ONE -
PROJECT MANAGER: KARI SMITH (847) 705-4437 (IDOT)
PROJECT ENGINEER: ROBERT LENZINI (815) 459-1260 (BAXTER & WOODMAN)
CONTRACT NO. 60X87

BAXTER & WOODMAN
Consulting Engineers

PROJECT ENGINEER
LICENSE EXPIRES 11-30-2017
BAXTER & WOODMAN, INC
THIS STAMP APPLIES TO SHEETS 1-73 AND 79-110

PROJECT ENGINEER
LICENSE EXPIRES 11-30-2017
SPAN TECH, INC
THIS STAMP APPLIES TO SHEETS 74-78

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 14, 2017

Deputy Director of Highways Region Engineer

May 12, 2017
Mareen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2017
Director of Program Development

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B&W PROJECT NO.: 140183-W02 DATE: 10-7-16

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424026-01 ENTRANCE/ALLEY PEDESTRIAN CROSSINGS

442201-03 CLASS C AND D PATCHES

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602001-02 CATCH BASIN TYPE A

602301-04 INLET - TYPE A

602406-07 MANHOLE TYPE A 6' (1.8 m) DIAMETER

602601-04 PRECAST REINFORCED CONCRETE FLAT SLAB TOP

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604001-04 FRAME AND LIDS TYPE 1

604051-04 FRAME AND GRATE TYPE 11

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880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

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886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. 48 HOUR NOTIFICATION REQUIRED.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF VILLA PARK AND THE CITY OF OAKBROOK TERRACE.
- 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.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/4 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED AT A MINIMUM OF 1:3 (V:H).
- THE ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857 A MINIMUM OF TWO WEEKS PRIOR TO THE START OF THIS PROJECT SO THAT EXACT STATIONING OF PERMANENT PAVEMENT MARKINGS MAY BE ESTABLISHED.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ALL PAVEMENT PATCHING LOCATIONS AND COMBINATION CURB AND GUTTER REMOVE AND REPLACE WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TC-11 TYPICAL APPLICATIONS - RAISED REFLECTIVE MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIAL.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- BEFORE BEGINNING WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM. THIS WORK SHALL BE INCLUDED IN THE ITEM "MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS".
- THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
- SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE TRAVEL LANES FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.
- SIGNS INDICATED FOR REMOVAL SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO ARTICLE 202.03
- THE CURB HEIGHT SHALL TRANSITION TO EXISTING AT A RATE OF 1 INCH PER FOOT ALONG ILLINOIS ROUTE 38.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF OAKBROOK TERRACE AND THE VILLAGE OF VILLA PARK. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING LANDSCAPED PLANT BEDS TO ESTABLISH A "LANDSCAPED PLANT BED PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "LANDSCAPED PLANT BED PROTECTION ZONE". MAINTAIN PROTECTIVE TEMPORARY FENCING DURING CONSTRUCTION AND REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS, PRIOR TO WORKING IN BWU AREAS. IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

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BAXTER & WOODMAN	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - I40183SHT-w02-Index-Sht.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES, AND COMMITMENTS**

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	CY&S43R15(14)	DUPAGE	110	2
CONTRACT NO. 60X87				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK	TRAFFIC SIGNALS	INTERCONNECT	ROADWAY		
				0004	0021	0021	0021	0021	0021	0004		
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7	7								
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,164	1,116							48	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	174	174								
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	110								110	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	157	74			25				58	
42001300	PROTECTIVE COAT	SQ YD	3,036	1,833			1,149				54	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	208	84			68				54	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,968	696			4,272					
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	2,702				2,702					
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,539				1,539					
42400800	DETECTABLE WARNINGS	SQ FT	371	184			187					
44000100	PAVEMENT REMOVAL	SQ YD	523	523								
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	875	875								
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	25,117	25,117								
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	586	79			453				54	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK	TRAFFIC SIGNALS	INTERCONNECT	ROADWAY		
				0004	0021	0021	0021	0021	0021	0004		
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
44000300	CURB REMOVAL	FOOT	70				70					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,771	1,733			38					
44000600	SIDEWALK REMOVAL	SQ FT	1,740	1,740								
44003100	MEDIAN REMOVAL	SQ FT	6,985	6,985								
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	60								60	
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	190								190	
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	195	195								
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	390	390								
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	455	455								
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	520	520								
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	62	62								
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	128	128								
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	350	350								
55100500	STORM SEWER REMOVAL 12"	FOOT	52	52								
58400100	FIRE HYDRANTS TO BE MOVED	EACH	2				2					

* INDICATES SPECIALTY ITEM

* INDICATES SPECIALTY ITEM

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BAXTER & WOODMAN	DESIGNED - JDM	REVISED -
	DRAWN - LKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-w02-500.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ STA. _____ TO STA. _____

F.A.P. RTE. 347	SECTION (CY&S43R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 4
CONTRACT NO. 60X87			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				90% FED 10% STATE	90% FED 6.67% STATE 3.33% VILLAGE	100% VILLAGE	80% STATE 20% VILLAGE	90% FED 5% STATE 2.5% VILLAGE 2.5% COUNTY	90% FED 10% STATE	100% CITY		
				ROADWAY 0004	TRAFFIC SIGNALS 0021	EVP 0021	SIDEWALK 0021	TRAFFIC SIGNALS 0021	INTERCONNECT 0021	ROADWAY 0004		
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	8,673	8,673								
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,891	2,891								
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	7,872	7,872								
70300240	TEMPORARY PAVEMENT MARKING- LINE 6"	FOOT	5,504	5,504								
70300280	TEMPORARY PAVEMENT MARKING- LINE 12"	FOOT	80	80								
70300280	TEMPORARY PAVEMENT MARKING- LINE 24"	FOOT	744	744								
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	1,296	1,296								
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	26,568	26,568								
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	120	120								
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	1,116	1,116								
*72000100	SIGN PANEL - TYPE 1	SQ FT	69	37	32							
*72000200	SIGN PANEL - TYPE 2	SQ FT	15		15							
*72000300	SIGN PANEL - TYPE 3	SQ FT	263	263								
*72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1								
*72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	222	222								

CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				90% FED 10% STATE	90% FED 6.67% STATE 3.33% VILLAGE	100% VILLAGE	80% STATE 20% VILLAGE	90% FED 5% STATE 2.5% VILLAGE 2.5% COUNTY	90% FED 10% STATE	100% CITY		
				ROADWAY 0004	TRAFFIC SIGNALS 0021	EVP 0021	SIDEWALK 0021	TRAFFIC SIGNALS 0021	INTERCONNECT 0021	ROADWAY 0004		
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
*72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	11	7			4					
*72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	75	75								
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	432	432								
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,936	3,534								402
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,752	2,752								
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	40	40								
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	372	372								
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	312	312								
*78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	263	263								
*81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,699			711						988
*81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	226			206						20
*81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	394			394						
*81400100	HANDHOLE	EACH	5			4						1
*81400200	HEAVY DUTY HANDHOLE	EACH	1			1						
*81400300	DOUBLE HANDHOLE	EACH	2			2						

* INDICATES SPECIALTY ITEM

* INDICATES SPECIALTY ITEM

BAXTER & WOODMAN	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - I40IB35HT-vo2-500.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	ICV&S3R1TS(14)	DUPAGE	110	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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 STATE OF ILLINOIS - PROFESSIONAL ENGINEERING
 LICENSE NO. 184 - 000001 - 000002 - 000003 - 000004
 5/16/2014

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				90% FED 10% STATE	90% FED 6.67% STATE 3.33% VILLAGE	100% VILLAGE	80% STATE 20% VILLAGE	90% FED 5% STATE 2.5% VILLAGE 2.5% COUNTY	90% FED 10% STATE	100% CITY					90% FED 10% STATE	90% FED 6.67% STATE 3.33% VILLAGE	100% VILLAGE	80% STATE 20% VILLAGE	90% FED 5% STATE 2.5% VILLAGE 2.5% COUNTY	90% FED 10% STATE	100% CITY					
				ROADWAY 0004 URBAN	TRAFFIC SIGNALS 0021 URBAN	EVP 0021 URBAN	SIDEWALK 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN	INTERCONNECT 0021 URBAN	ROADWAY 0004 URBAN					ROADWAY 0004 URBAN	TRAFFIC SIGNALS 0021 URBAN	EVP 0021 URBAN	SIDEWALK 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN	INTERCONNECT 0021 URBAN	ROADWAY 0004 URBAN					
X 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	3	3										X 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1							
X 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1					1						X 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40		28				12			
X 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1							1				X 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4							
X 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,748							1,748				X 87800415	CONCRETE FOUNDATION, TYPE E 3/8-INCH DIAMETER	FOOT	26		26							
X 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1,426		640				786					X 87900200	DRI L EXISTING HANDBOLE	EACH	4						3		1	
X 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	2,157		1,350				807					X 88030020	SIGNAL HEAD, LED, 1-FACE 3-SECTION, MAST-ARM MOUNTED	EACH	6		6							
X 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	2,682		2,400				282					X 88030050	SIGNAL HEAD, LED, 1-FACE 3-SECTION, BRACKET MOUNTED	EACH	6		5				1			
X 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	653		653									X 88030100	SIGNAL HEAD, LED, 1-FACE 5-SECTION, BRACKET MOUNTED	EACH	3		3							
X 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,910		1,910									X 88030110	SIGNAL HEAD, LED, 1-FACE 5-SECTION, MAST-ARM MOUNTED	EACH	1		1							
X 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	120		120									X 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4		4							
X 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	795		730				65					X 88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	7		7							
X 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4		1				3					X 88500100	INDUCTIVE LOOP DETECTOR	EACH	6		6							
X 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4									X 88600100	DETECTOR LOOP, TYPE I	FOOT	366		366							
X 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1									X 88600500	DETECTOR LOOP REPLACEMENT	FOOT	1,257	400				857				
X 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1									X 88700200	LIGHT DETECTOR	EACH	3				3					

X INDICATES SPECIALTY ITEM

X INDICATES SPECIALTY ITEM

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 CHICAGO, IL 60601-2000

BAXTER & WOODMAN Engineering & Architecture	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-ws2-500.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE:	STA.	TO STA.	F.A.P. RTE. 347	SECTION (CY&S43R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 7	CONTRACT NO. 60X87	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FED	90% FED	100%	80% STATE	90% FED	90% FED	100%
				10% STATE	6.67% STATE 3.33% VILLAGE	VILLAGE	20% VILLAGE	5% STATE 2.5% VILLAGE 2.5% COUNTY	10% STATE	CITY
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK	TRAFFIC SIGNALS	INTERCONNECT	ROADWAY
				0004	0021	0021	0021	0021	0021	0004
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
*88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1				
*88800100	PEDESTRIAN PUSH-BUTTON	EACH	12		4			8		
*89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3					3		
*89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1					1		
*89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,258					1,258		
*89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1					1		
*89502378	REBUILD EXISTING HANDHOLE	EACH	9	4			5			
*E2006316	TREE SYRINGA RETICULATA (IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM BALLED AND BURLAPPED)	EACH	4	4						
*K0012970	PERENNIAL PLANTS, BULB TYPE	UNIT	1.0	0.5			0.5			
*K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	1.0	0.5			0.5			
Z0004582	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,808	1,433			328			45
Z0013788	CONSTRUCTION LAYOUT	L SUM	1	1						
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	430	430						
*Z0033048	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1						1	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	13,954	13,954						

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FED	90% FED	100%	80% STATE	90% FED	90% FED	100%
				10% STATE	6.67% STATE 3.33% VILLAGE	VILLAGE	20% VILLAGE	5% STATE 2.5% VILLAGE 2.5% COUNTY	10% STATE	CITY
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK	TRAFFIC SIGNALS	INTERCONNECT	ROADWAY
				0004	0021	0021	0021	0021	0021	0004
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
Z0058608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	70	70						
*Z0076602	TRAININGS	HOUR	500	500						
*Z0076604	TRAININGS - TRAINING PROGRAM GRADUATE	HOUR	500	500						
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	690						690	
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3,904	3,904						
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,904	3,904						
*X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1					1		
*X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1					1		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	11	6						5
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TCN	2,518	2,518						
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	290							290
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	105	29						76
X8026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1						
X8030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	26	26						
X8081005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	493						493	

* INDICATES SPECIALTY ITEM

0042

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 DRAWN BY: JDM DATE: 10-7-16 CHECKED BY: UKB DATE: 10-7-16 FILE: I40183SHT-W62-500.dgn

BAXTER & WOODMAN	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJJ	REVISED -
	DATE - 10-7-16	FILE - I40183SHT-W62-500.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&S43R)TS(14)	DUPAGE	110	8
SCALE:			TO STA.	CONTRACT NO. 60X87
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

1700 5 1 1988

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				90% FED 10% STATE	90% FED 6.67% STATE 3.33% VILLAGE	100% VILLAGE	80% STATE 20% VILLAGE	90% FED 5% STATE 2.5% VILLAGE 2.5% COUNTY	90% FED 10% STATE	100% CITY		
				ROADWAY 0004	TRAFFIC SIGNALS 0021	EVP 0021	SIDEWALK 0021	TRAFFIC SIGNALS 0021	INTERCONNECT 0021	ROADWAY 0004		
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L.SUM	1	1								
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	730	730								
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	12,415	12,415								
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1							
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM 24F	FOOT	1,748							1,748		
X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1		1							

6 * INDICATES SPECIALTY ITEM

CONTRACT NO. 60X87 BY BAXTER & WOODMAN, INC.
 1401 BUSH ST., SUITE 200, CHICAGO, ILLINOIS 60606
 LICENSE NO. 084-00923 - LICENSEE: D.J.S.
 2/28/88
 END JOB: 1401B3SHT-W02-500-000

DESIGNED - JDM	REVISED -
DRAWN - LKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 1401B3SHT-W02-500.dgn

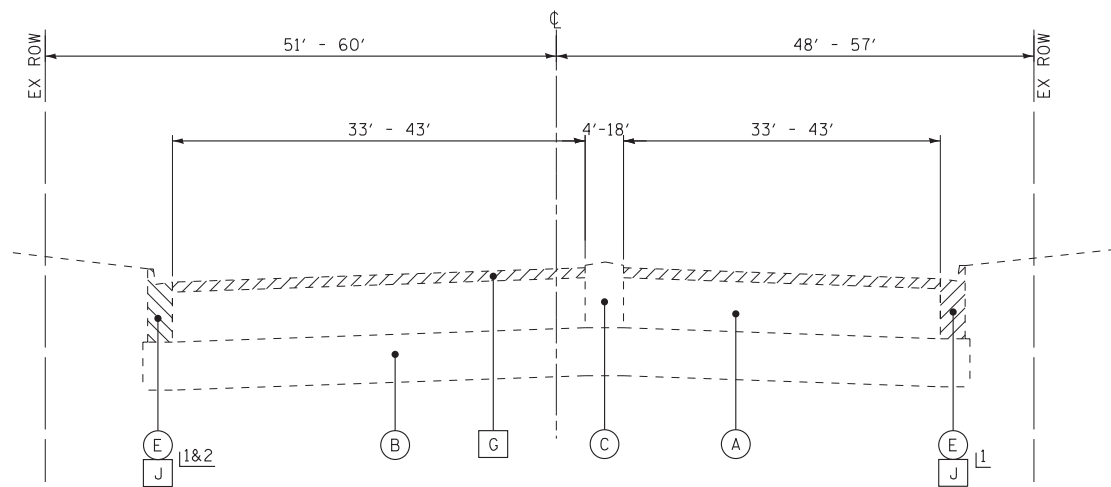
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.P. RTE. 347	SECTION (CY&S43R)TS1141	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 9
CONTRACT NO. 60X87				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

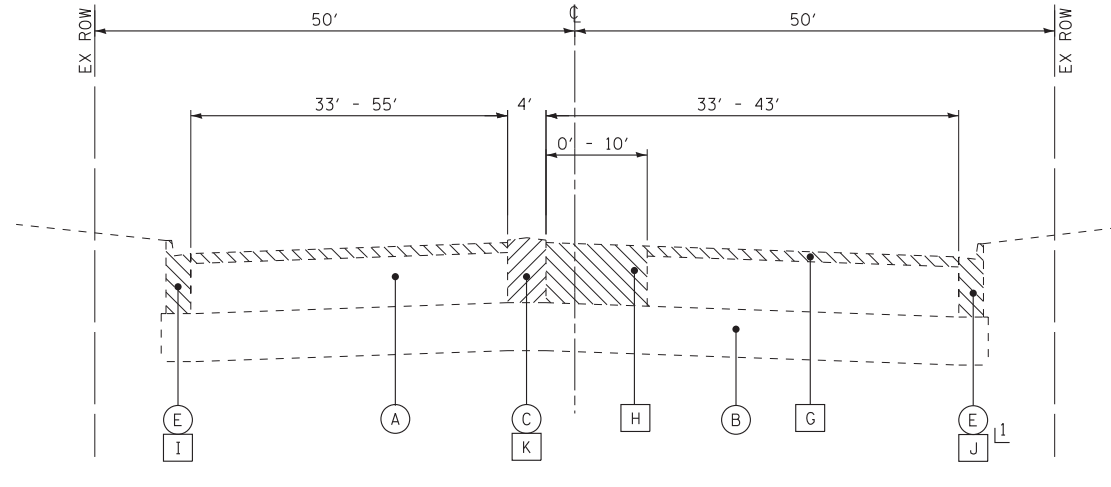
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**EXISTING TYPICAL SECTION
IL RTE 38 (ROOSEVELT ROAD)**

STA 93+00 TO STA 100+56
STA 113+50 TO STA 121+91

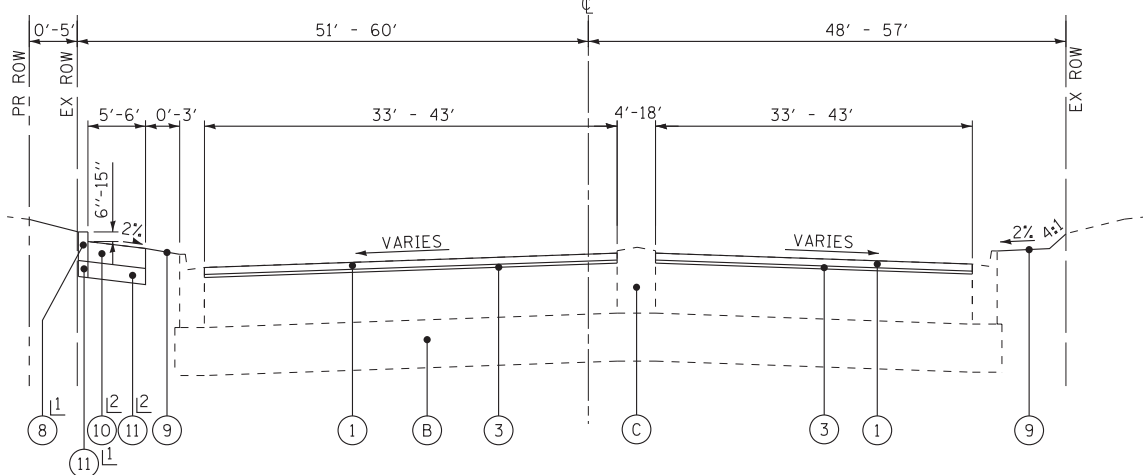
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2 I STA 113+50 TO STA 119+10



**EXISTING TYPICAL SECTION
IL RTE 38 (ROOSEVELT ROAD)**

STA 100+56 TO STA 106+50

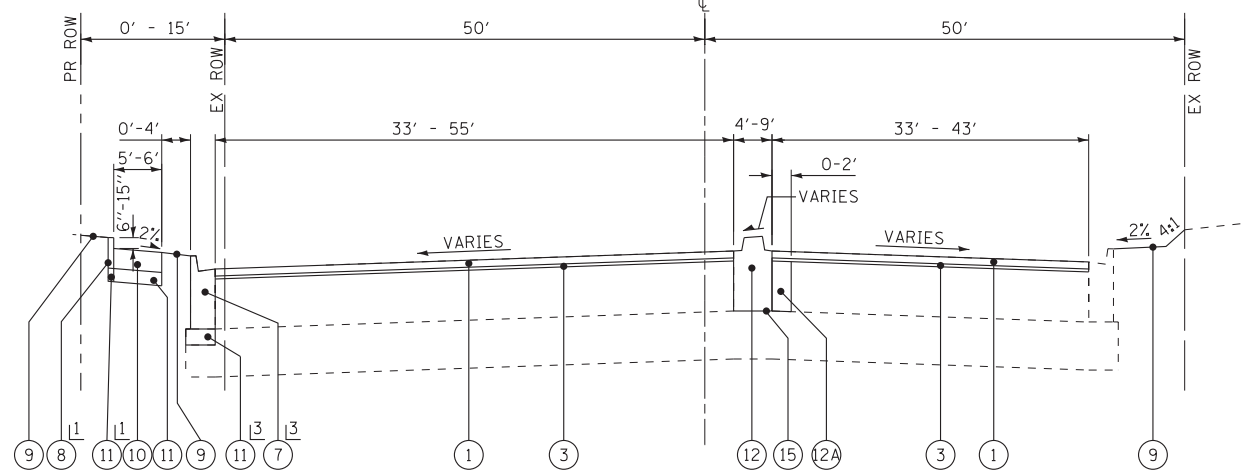
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**PROPOSED TYPICAL SECTION
IL RTE 38 (ROOSEVELT ROAD)**

1 STA 93+48 TO STA 95+66
2 STA 93+48 TO STA 100+56

STA 93+00 TO STA 100+56
STA 119+10 TO STA 121+91



**PROPOSED TYPICAL SECTION
IL RTE 38 (ROOSEVELT ROAD)**

STA 100+56 TO STA 104+57
STA 110+77 TO STA 112+88

1 STA 102+39 TO STA 104+00
3 STA 100+56 TO STA 104+00

PROPOSED LEGEND

- 1 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80 - 1 3/4"
- 1A HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- 2 HOT-MIX ASPHALT BASE COURSE - 8 3/4"
- 3 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- 3A POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- 4 AGGREGATE SUBGRADE IMPROVEMENT - 12"
- 4A AGGREGATE SUBGRADE IMPROVEMENT (SEE NOTE 1)
- 5 COMBINATION CURB AND GUTTER TYPE B-6.12
- 6 COMBINATION CURB AND GUTTER TYPE B-6.24
- 7 COMBINATION CURB AND GUTTER TYPE B-9.24
- 8 CONCRETE CURB, TYPE B (SPECIAL) (VARIABLE HEIGHT)
- 9 TOPSOIL FURNISH AND PLACE - 4"
SODDING, SALT TOLERANT
FERTILIZER
- 10 PCC SIDEWALK - 5" (PCC SIDEWALK - 6" ADJACENT TO CONCRETE CURB TYPE B (SPECIAL))
- 11 AGGREGATE BASE COURSE, TYPE B - 4"
- 12 CONCRETE MEDIAN, TYPE SB-6.12
- 12A PCC BASE COURSE WIDENING, 14"
- 13 TOPSOIL FURNISH AND PLACE - 18"
SODDING, SALT TOLERANT
FERTILIZER
- 14 COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 (MODIFIED)
- 15 PERPARATION OF BASE
- 16 LONGITUDINAL JOINT SEALER
(TO BE APPLIED ON THE ROADWAY AS DESCRIBED IN THE SPECIAL PROVISION)

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT - 12.5" (AFTER MILLING)
- AA HOT-MIX ASPHALT PAVEMENT - VARIES
- B AGGREGATE SUBGRADE - 12"
- BB AGGREGATE BASE COURSE - VARIES
- C CONCRETE MEDIAN
- D CONCRETE CURB AND GUTTER, TYPE B-6.12
- E CONCRETE CURB AND GUTTER, TYPE B-6.24
- F PCC SIDEWALK
- FF PCC PAVEMENT - VARIES
- G HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- GI HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- GG PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
- H PAVEMENT REMOVAL
- I COMBINATION CURB AND GUTTER REMOVAL
- J COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (SPOT REPAIR)
- K MEDIAN REMOVAL
- Items to be removed

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CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-TypSect.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

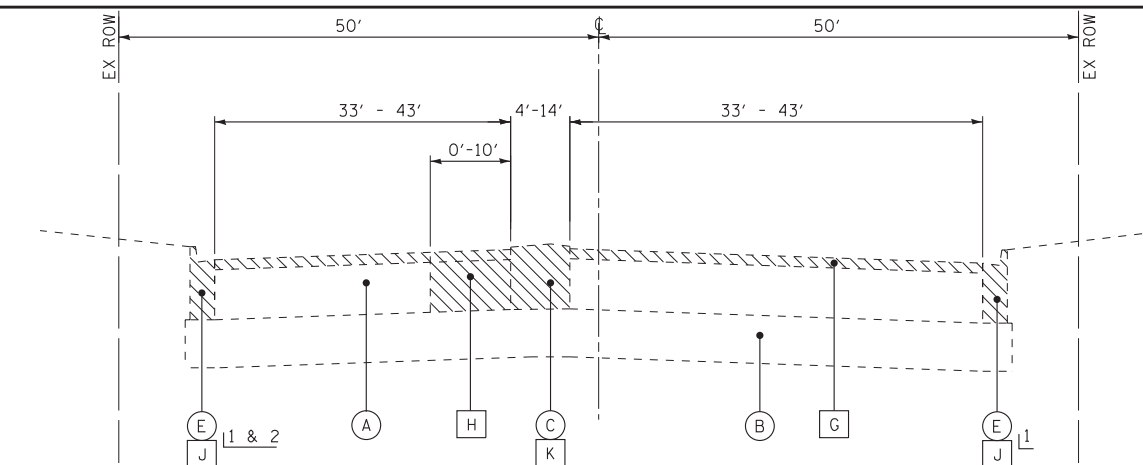
TYPICAL SECTIONS

SCALE: NONE

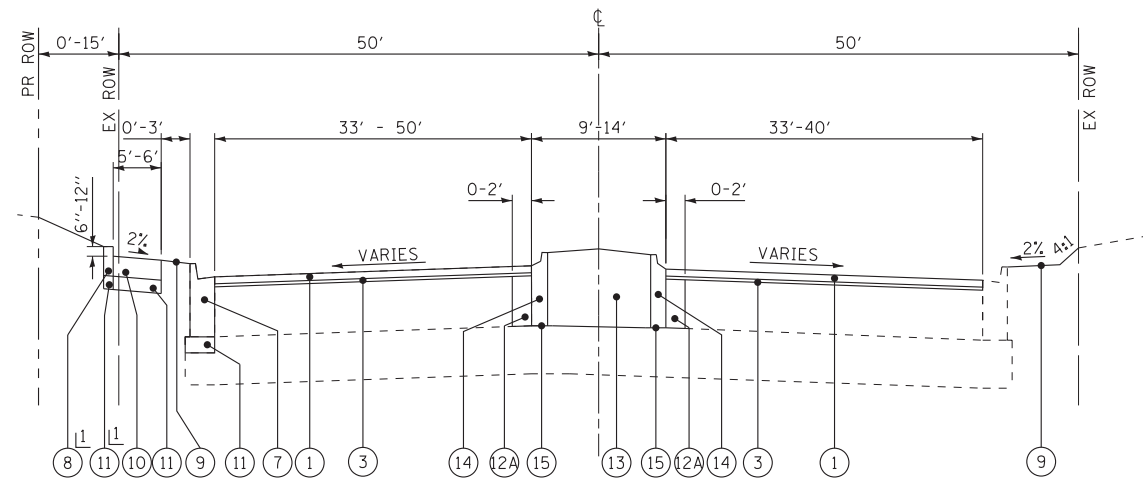
STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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**EXISTING TYPICAL SECTION
IL RTE 38 (ROOSEVELT ROAD)**
STA 106+50 TO STA 109+00



**PROPOSED TYPICAL SECTION
IL RTE 38 (ROOSEVELT ROAD)**
STA 104+57 TO STA 110+77

EXISTING LEGEND

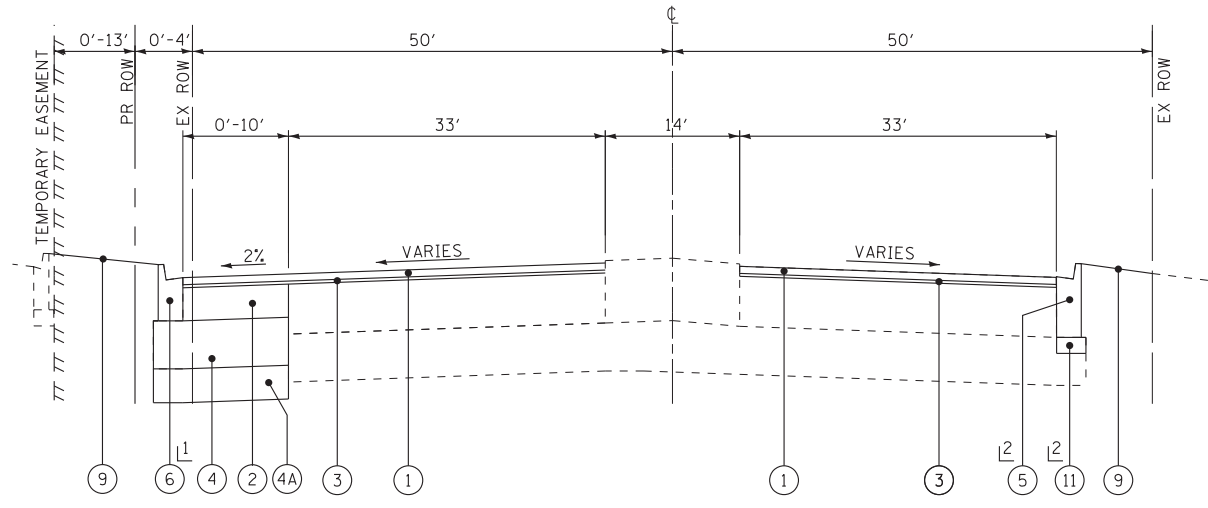
- (A) HOT-MIX ASPHALT PAVEMENT - 12.5" (AFTER MILLING)
- (AA) HOT-MIX ASPHALT PAVEMENT - VARIES
- (B) AGGREGATE SUBGRADE - 12"
- (BB) AGGREGATE BASE COURSE - VARIES
- (C) CONCRETE MEDIAN
- (D) CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) CONCRETE CURB AND GUTTER, TYPE B-6.24
- (F) PCC SIDEWALK
- (FF) PCC PAVEMENT - VARIES
- (G) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- (GI) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (GG) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
- (H) PAVEMENT REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (SPOT REPAIR)
- (K) MEDIAN REMOVAL
- (Hatched) ITEMS TO BE REMOVED

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80 - 1 3/4"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT BASE COURSE - 8 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (3A) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- (4) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (4A) AGGREGATE SUBGRADE IMPROVEMENT (SEE NOTE 1)
- (5) COMBINATION CURB AND GUTTER TYPE B-6.12
- (6) COMBINATION CURB AND GUTTER TYPE B-6.24
- (7) COMBINATION CURB AND GUTTER TYPE B-9.24
- (8) CONCRETE CURB, TYPE B (SPECIAL) (VARIABLE HEIGHT)
- (9) TOPSOIL FURNISH AND PLACE - 4" SODDING, SALT TOLERANT FERTILIZER
- (10) PCC SIDEWALK - 5" (PCC SIDEWALK - 6" ADJACENT TO CONCRETE CURB TYPE B (SPECIAL))
- (11) AGGREGATE BASE COURSE, TYPE B - 4"
- (12) CONCRETE MEDIAN, TYPE SB-6.12
- (12A) PCC BASE COURSE WIDENING, 14"
- (13) TOPSOIL FURNISH AND PLACE - 18" SODDING, SALT TOLERANT FERTILIZER
- (14) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 (MODIFIED)
- (15) PERPARATION OF BASE
- (16) LONGITUDINAL JOINT SEALER (TO BE APPLIED ON THE ROADWAY AS DESCRIBED IN THE SPECIAL PROVISION)

NOTE 1

AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (01/01/2012) AND THE IDOT SUBGRADE STABILITY MANUAL (05/01/2005). IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.



**PROPOSED TYPICAL SECTION
IL RTE 38 (ROOSEVELT ROAD)**
STA 112+88 TO STA 119+10

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

CONTRACTOR SHALL MILL BEFORE PATCHING.

MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING - ILLINOIS ROUTE 38		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80 - 1 3/4"	3.5% @ 80 Gyr.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"	3.5% @ 50 Gyr.	QCP
PAVEMENT WIDENING - ILLINOIS ROUTE 38		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80 - 1 3/4"	3.5% @ 80 Gyr.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"	3.5% @ 50 Gyr.	QCP
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0) - 8 3/4"	4% @ 70 Gyr.	QC/QA
PAVEMENT RESURFACING - EUCLID AVE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 1 1/2"	4% @ 50 Gyr.	QC/QA
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"	3.5% @ 50 Gyr.	QCP
PAVEMENT RESURFACING - VILLA AVENUE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 1 1/2"	4% @ 50 Gyr.	QC/QA
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"	3.5% @ 50 Gyr.	QCP
PAVEMENT WIDENING - VILLA AVENUE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 1 1/2"	4% @ 50 Gyr.	QC/QA
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"	3.5% @ 50 Gyr.	QCP
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0) - 8 3/4"	4% @ 70 Gyr.	QC/QA
DRIVEWAY		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 2"	4% @ 50 Gyr.	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0mm) - 8"	4% @ 50 Gyr.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0mm) - 8" & 13"	4% @ 70 Gyr.	QC/QA

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY THE DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

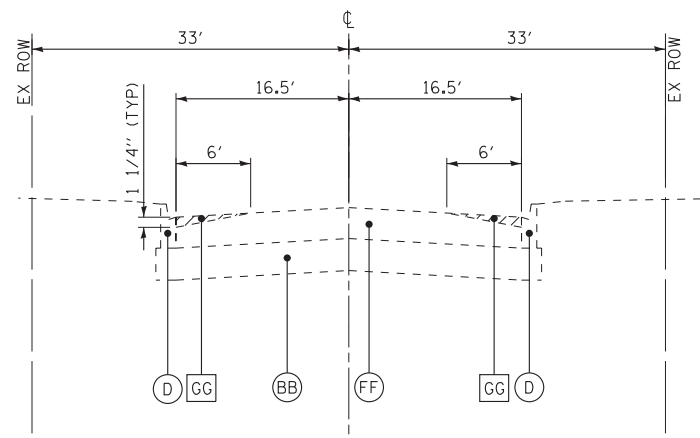
QUALITY MANAGEMENT PROGRAM IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-TypSect.dgn

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DEPARTMENT OF TRANSPORTATION**

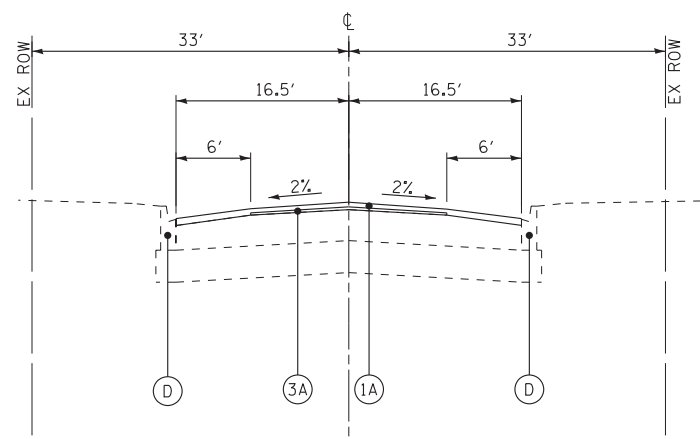
**TYPICAL SECTIONS
AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

SCALE: NONE	STA. TO STA.	F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 11
		FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 60X87		



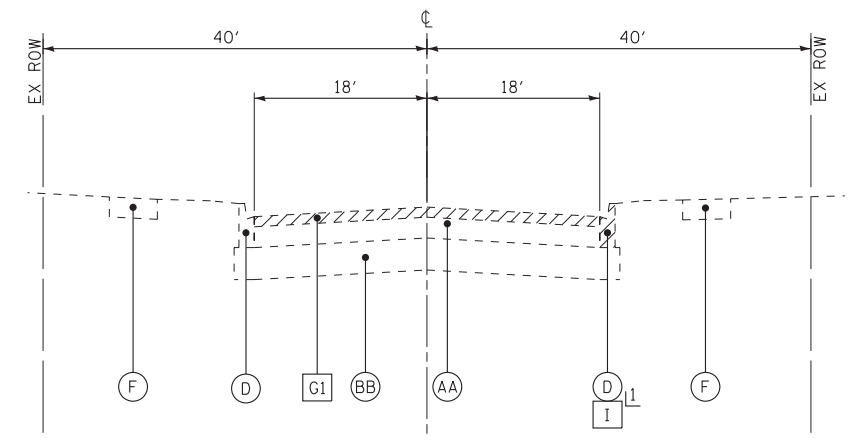
**EXISTING TYPICAL SECTION
EUCLID AVENUE**

STA 301+11 TO STA 302+97



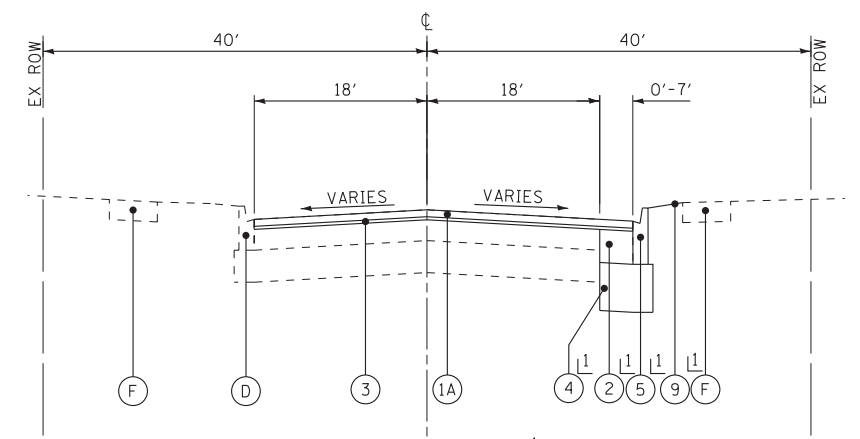
**PROPOSED TYPICAL SECTION
EUCLID AVENUE**

STA 301+11 TO STA 302+97



**EXISTING TYPICAL SECTION
VILLA AVENUE**

STA 350+00 TO STA 353+12



**PROPOSED TYPICAL SECTION
VILLA AVENUE**

STA 351+00 TO STA 353+12

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT - 12.5" (AFTER MILLING)
- (AA) HOT-MIX ASPHALT PAVEMENT - VARIES
- (B) AGGREGATE SUBGRADE - 12"
- (BB) AGGREGATE BASE COURSE - VARIES
- (C) CONCRETE MEDIAN
- (D) CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) CONCRETE CURB AND GUTTER, TYPE B-6.24
- (F) PCC SIDEWALK
- (FF) PCC PAVEMENT - VARIES
- (G) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- (G1) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (GG) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
- (H) PAVEMENT REMOVAL
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (SPOT REPAIR)
- (K) MEDIAN REMOVAL
- (Hatched) ITEMS TO BE REMOVED

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80 - 1 3/4"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT BASE COURSE - 8 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (3A) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- (4) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (4A) AGGREGATE SUBGRADE IMPROVEMENT (SEE NOTE 1)
- (5) COMBINATION CURB AND GUTTER TYPE B-6.12
- (6) COMBINATION CURB AND GUTTER TYPE B-6.24
- (7) COMBINATION CURB AND GUTTER TYPE B-9.24
- (8) CONCRETE CURB, TYPE B (SPECIAL) (VARIABLE HEIGHT)
- (9) TOPSOIL FURNISH AND PLACE - 4" SODDING, SALT TOLERANT FERTILIZER
- (10) PCC SIDEWALK - 5" (PCC SIDEWALK - 6" ADJACENT TO CONCRETE CURB TYPE B (SPECIAL))
- (11) AGGREGATE BASE COURSE, TYPE B - 4"
- (12) CONCRETE MEDIAN, TYPE SB-6.12
- (12A) PCC BASE COURSE WIDENING, 14"
- (13) TOPSOIL FURNISH AND PLACE - 18" SODDING, SALT TOLERANT FERTILIZER
- (14) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 (MODIFIED)
- (15) PERPARATION OF BASE
- (16) LONGITUDINAL JOINT SEALER (TO BE APPLIED ON THE ROADWAY AS DESCRIBED IN THE SPECIAL PROVISION)

NOTE 1

AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (01/01/2012) AND THE IDOT SUBGRADE STABILITY MANUAL (05/01/2005). IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

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	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-TypSect.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

DRIVEWAY SCHEDULE												
			44000200	35501316	40603335	42300400	44000500	Z0004562	X4400220	60603800	35101600	X4022000
			DRIVEWAY PAVEMENT REMOVAL	HOT-MIX ASPHALT BASE COURSE, 8"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	CURB REMOVAL AND REPLACEMENT	COMBINATION CURB AND GUTTER, TYPE B-6.12	AGGREGATE BASE COURSE, TYPE B, 4"	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)
STATION	SIDE	TYPE	SQ YD	SQ YD	TON	SQ YD	FOOT	FOOT	FOOT	FOOT	SQ YD	EACH
93+34	LT	CE	94			59			52			1
95+83	LT	CE	26			9			24			1
96+68	LT	CE	14			5						1
97+99	LT	CE	58	38	5			28				1
98+34	LT	CE	45	30	4			105				1
100+60 TO 100+92	LT	LOT	7				38			34	8	
101+64	LT	CE	23	12	2							1
102+32	LT	CE	24	13	2							1
104+73	LT	CE	35	14	2							1
104+93 TO 105+61	LT	LOT	53	46	6							1
105+83	LT	CE	74	34	4							1
116+58	LT	CE	79			79	103		29		17	1
301+81	LT	CE	54			54				71		1
TOTALS			586	187	25	206	141	310	105	105	25	11

COMBINATION CONCRETE CURB AND GUTTER SCHEDULE								
			35101600	44000500	60603800	60604700	60605000	60607400
			AGGREGATE BASE COURSE, TYPE B 4"	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CURB AND GUTTER, TYPE B-6.12	COMBINATION CURB AND GUTTER, TYPE B-6.18 (MODIFIED)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24
FROM	TO	SIDE	SQ YD	FOOT	FOOT	FOOT	FOOT	FOOT
100+24	106+52	LT	226	658				658
104+57	110+77	CL	356			1,240		
106+86	109+04	LT	80	231				231
351+08	351+84	RT	18	76	77			
113+00	114+00	RT	24	100	100			
113+55	117+55	LT	99	410	427			
117+55	119+10	LT	54	155			155	
114+02	114+12	CL	5		20			
TOTALS			862	1,630	624	1,240	155	889

SIDEWALK SCHEDULE							
			42400100	42400410	42400200	X6061005	35101600
			PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	CONCRETE CURB, TYPE B (SPECIAL)	AGGREGATE BASE COURSE, TYPE B 4"
FROM	TO	SIDE	SQ FT	SQ FT	SQ FT	FOOT	SQ YD
92+77	92+95	LT	119				14
92+95	93+50	LT			312		35
93+50	95+65	LT				1,240	166
95+66	95+93	LT			181		21
95+94	96+56	LT	330				37
96+57	96+74	LT			80		9
96+77	96+85	LT	54				6
97+57	97+83	LT	102				12
97+86	98+07	LT			121		14
98+07	98+28	LT	99				11
98+28	98+43	LT			84		10
98+45	99+68	LT	608				68
100+35	101+54	LT	630				70
101+59	101+76	LT			101		12
101+77	102+18	LT	203				23
102+19	102+37	LT			107		12
102+41	104+52	LT				1,021	142
104+54	104+93	LT			196		22
104+93	105+60	LT				441	58
105+61	106+05	LT			357		40
106+06	106+50	LT	315				35
106+88	107+11	LT	185				21
111+03	113+17	LT	1,417				158
113+62	116+26	LT	395				44
93+54	93+74	RT	105				12
99+37	99+58	RT	130				15
100+39	100+56	RT	115				13
106+38	106+48	RT	46				6
106+95	107+05	RT	50				6
113+01	113+09	RT	65				8
TOTALS			4,968	1,539	2,702	493	1,100

EARTHWORK SCHEDULE						
1	2	3	4	5	6	7
LOCATION	EARTH EXCAVATION (CU YD)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTH-WORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)
IL 38 NORTH PARKWAY/ WIDENING	273	321	232	377	(-145)	117
MEDIAN	-	-	-	-	-	286
SOUTH PARKWAY	-	4	-	11	(-11)	194
TOTAL	273	325	232	388	(-156)	597

COLUMN 1 - LOCATION FROM PLANS.
COLUMN 2 - CUT QUANTITIES FROM CROSS SECTIONS, NOT INCLUDING UNSUITABLE MATERIAL OR TOPSOIL.
COLUMN 3 - CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FROM USE IN EMBANKMENT (TOPSOIL EXCAVATED AT 12" AVERAGE DEPTH).
COLUMN 4 - EARTH EXCAVATION THAT IS TO BE USED AS EMBANKMENT (SHRINKAGE FACTOR 15%).
COLUMN 5 - FILL QUANTITIES FROM CROSS SECTIONS.
COLUMN 6 - COLUMN 4 - COLUMN 5 + = OFF-SITE MATERIAL NEEDED OR MATERIAL WASTE.
POSITIVE (+) = EXTRA EXCAVATION
NEGATIVE (-) = FURNISHED EXCAVATION NEEDED
COLUMN 7 - TOPSOIL EXCAVATION AND PLACEMENT = (AREA OF SODDING * DEPTH OF TOPSOIL)

- NOTES:
1. TOPSOIL SHALL BE EXCAVATED TO A DEPTH OF 12" IN AREAS DISTURBED BY PROPOSED WORK.
2. EXCAVATED TOPSOIL REQUIRED AT LOCATIONS OF NEW SOD OUTSIDE THE MEDIAN SHALL BE PLACED AT A DEPTH OF 4" AND PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT.
3. EXCAVATED TOPSOIL REQUIRED AT LOCATIONS OF NEW SOD INSIDE THE MEDIAN SHALL BE PLACED AT A DEPTH OF 18" AND PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT.
4. EXCAVATED TOPSOIL NOT REQUIRED ON THE PROJECT SHALL BE CONSIDERED UNSUITABLE MATERIAL AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

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CHECKED - DJS	REVISED -
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SCHEDULE OF QUANTITIES

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	13
CONTRACT NO. 60X87			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

Chain EUCLID contains:
C13 C14 C15 C16

Beginning chain EUCLID description

Point C13	N	1,891,868.68 E	1,083,097.98 Sta	299+00
Course from C13 to C14 N 14° 13' 30" W Dist 100.00				
Point C14	N	1,891,965.62 E	1,083,073.41 Sta	300+00
Course from C14 to C15 N 2° 34' 13" W Dist 43.28				
Point C15	N	1,892,008.85 E	1,083,071.47 Sta	300+43
Course from C15 to C16 N 2° 34' 13" W Dist 156.72				
Point C16	N	1,892,165.41 E	1,083,064.44 Sta	302+00

Ending chain EUCLID description

BEGIN IMPROVEMENTS
IL RTE 38 (ROOSEVELT ROAD)
STA 93+00

IL RTE 38 (ROOSEVELT ROAD)

SUMMIT AVENUE

PROJECT LIMITS - 108' LT

SUMMIT AVENUE

PROJECT LIMITS - 96' RT

VILLA AVENUE

END IMPROVEMENTS
VILLA AVENUE
STA 353+12

IL RTE 38 (ROOSEVELT ROAD)

EUCLID AVENUE

EUCLID AVENUE

Chain 38 contains:
C1 C2 C3 C4 C5 C6 C7 C8

Beginning chain 38 description

Point C1	N	1,891,917.98 E	1,081,005.25 Sta	86+00
Course from C1 to C2 N 88° 25' 59" E Dist 399.71				
Point C2	N	1,891,928.91 E	1,081,404.82 Sta	90+00
Course from C2 to C3 N 87° 22' 03" E Dist 699.83				
Point C3	N	1,891,961.06 E	1,082,103.91 Sta	97+00
Course from C3 to C4 N 87° 07' 07" E Dist 300.45				
Point C4	N	1,891,976.16 E	1,082,403.99 Sta	100+00
Course from C4 to C5 N 87° 11' 45" E Dist 668.28				
Point C5	N	1,892,008.85 E	1,083,071.47 Sta	106+68
Course from C5 to C6 N 87° 11' 45" E Dist 668.81				
Point C6	N	1,892,041.57 E	1,083,739.48 Sta	113+37.10
Course from C6 to C7 N 87° 11' 45" E Dist 885.33				
Point C7	N	1,892,084.89 E	1,084,623.75 Sta	122+22
Course from C7 to C8 N 85° 45' 00" E Dist 1,277.57				
Point C8	N	1,892,179.57 E	1,085,897.81 Sta	135+00

Ending chain 38 description

Chain VILLA contains:
C17 C18

Beginning chain VILLA description

Point C17	N	1,892,041.57 E	1,083,739.48 Sta	350+00
Course from C17 to C18 N 2° 44' 06" W Dist 400.00				
Point C18	N	1,892,441.12 E	1,083,720.39 Sta	354+00

Ending chain VILLA description

BENCHMARKS

- BM #1 RAILROAD SPIKE IN EAST FACE OF 4TH POWER POLE WEST OF SUMMIT ON SOUTH SIDE 38.
ELEV = 710.70
STA 95+19.34, 47.92' RT
- BM #3 CUT SQUARE ON MASTARM BASE AT SOUTHEAST CORNER RTE 38 AND SUMMIT.
ELEV = 706.71
STA 100+53+49, 53.81' RT
- BM #4 SOUTHWEST TAG BOLT ON 1ST FIRE HYDRANT SOUTH OF RTE. 38 ON WEST SIDE OF EUCLID.
ELEV = 703.98
STA 299+50.59, 26.54' LT
- BM #6 SOUTHEAST TAG BOLT ON 1ST FIRE HYDRANT WEST OF CASTLE VILLA PARK CHEVROLET ENTRANCE ON NORTH SIDE RTE. 38.
ELEV = 693.56
STA 115+57.32, 54.03' LT

END IMPROVEMENTS
IL RTE 38 (ROOSEVELT ROAD)
STA 121+91

IL RTE 38 (ROOSEVELT ROAD)

IL RTE 38 (ROOSEVELT ROAD)

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	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-Alignmt-Ties.dgn

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ALIGNMENT AND TIES

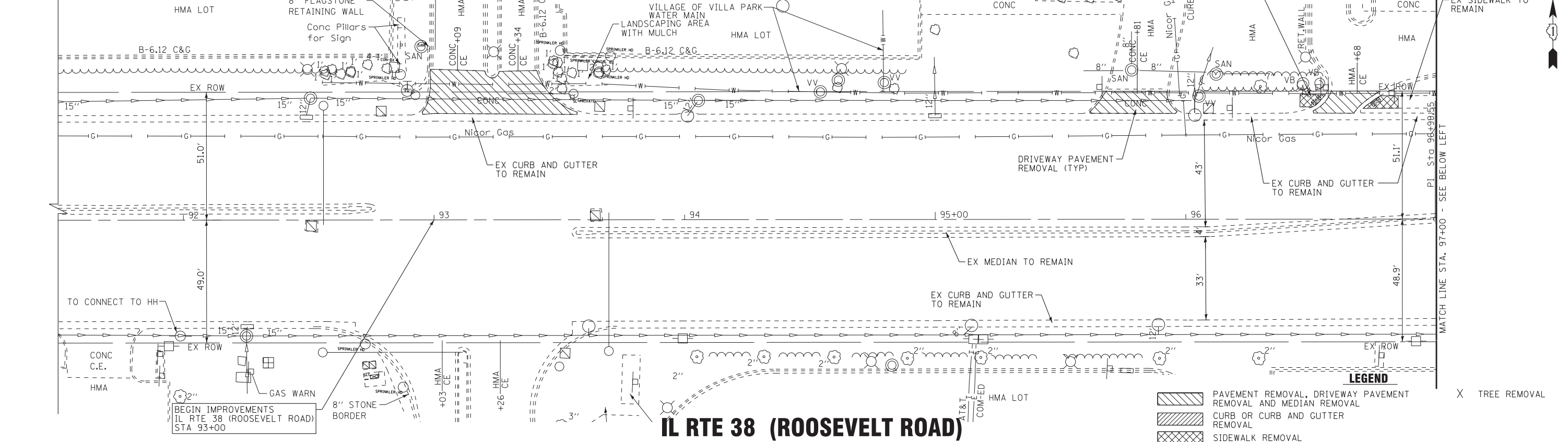
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STA. TO STA.

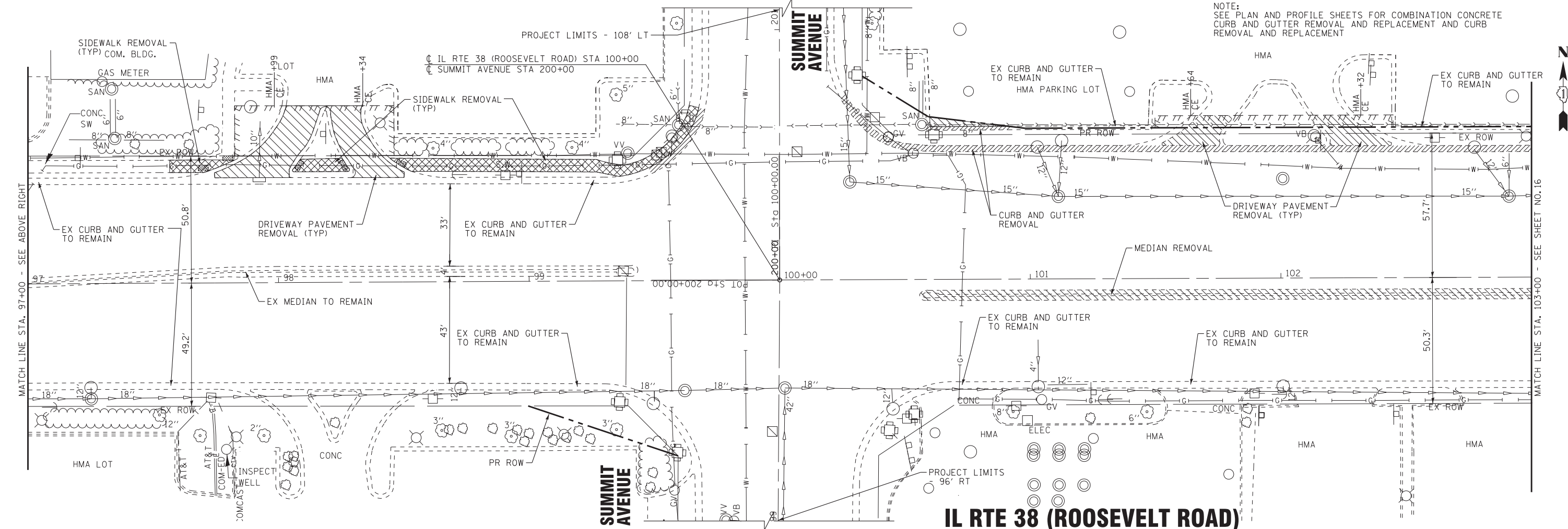
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

MATCH LINE STA. 107+50 - SEE BELOW LEFT

ENTRANCE ROAD



IL RTE 38 (ROOSEVELT ROAD)



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLAN
IL RTE 38 (ROOSEVELT ROAD)**

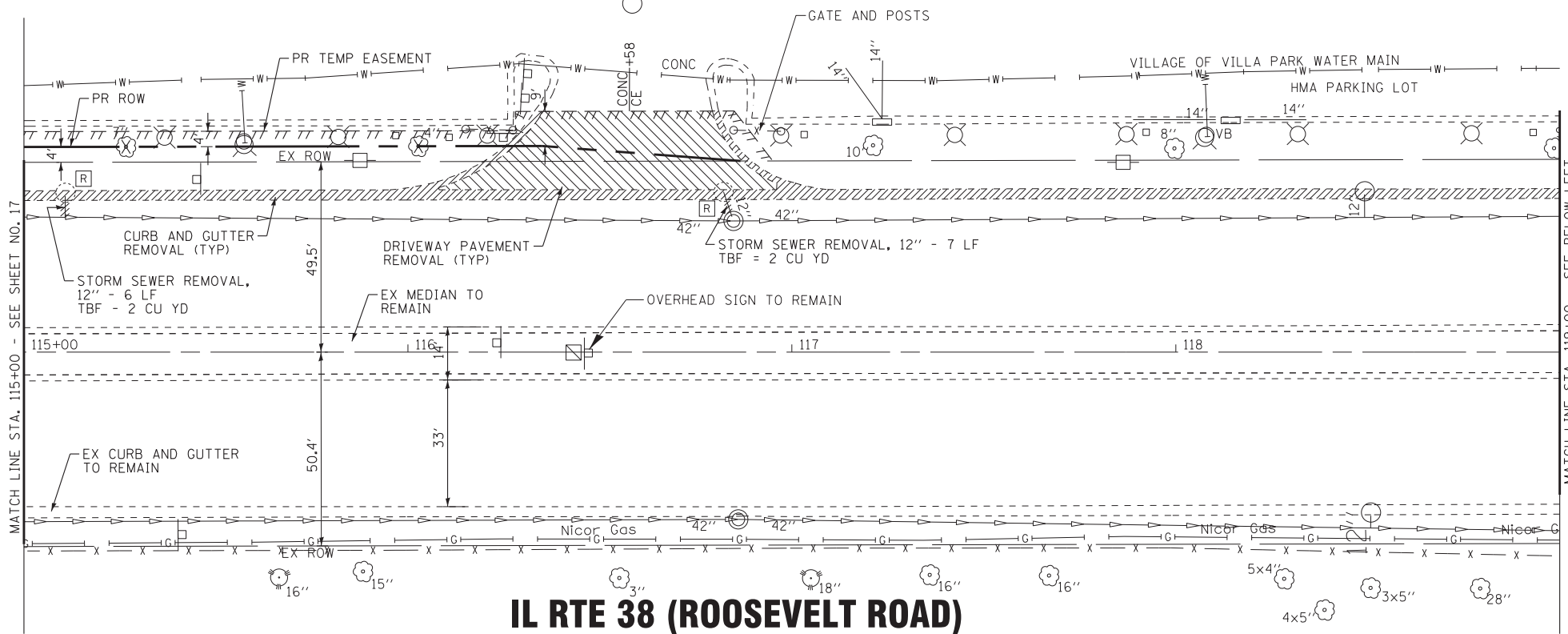
BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-Removal-1.dgn

SCALE: 1"=20' STA. 91+50 TO STA. 103+00

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 15
CONTRACT NO. 60X87			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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MATCH LINE STA. 119+00 - SEE BELOW LEFT

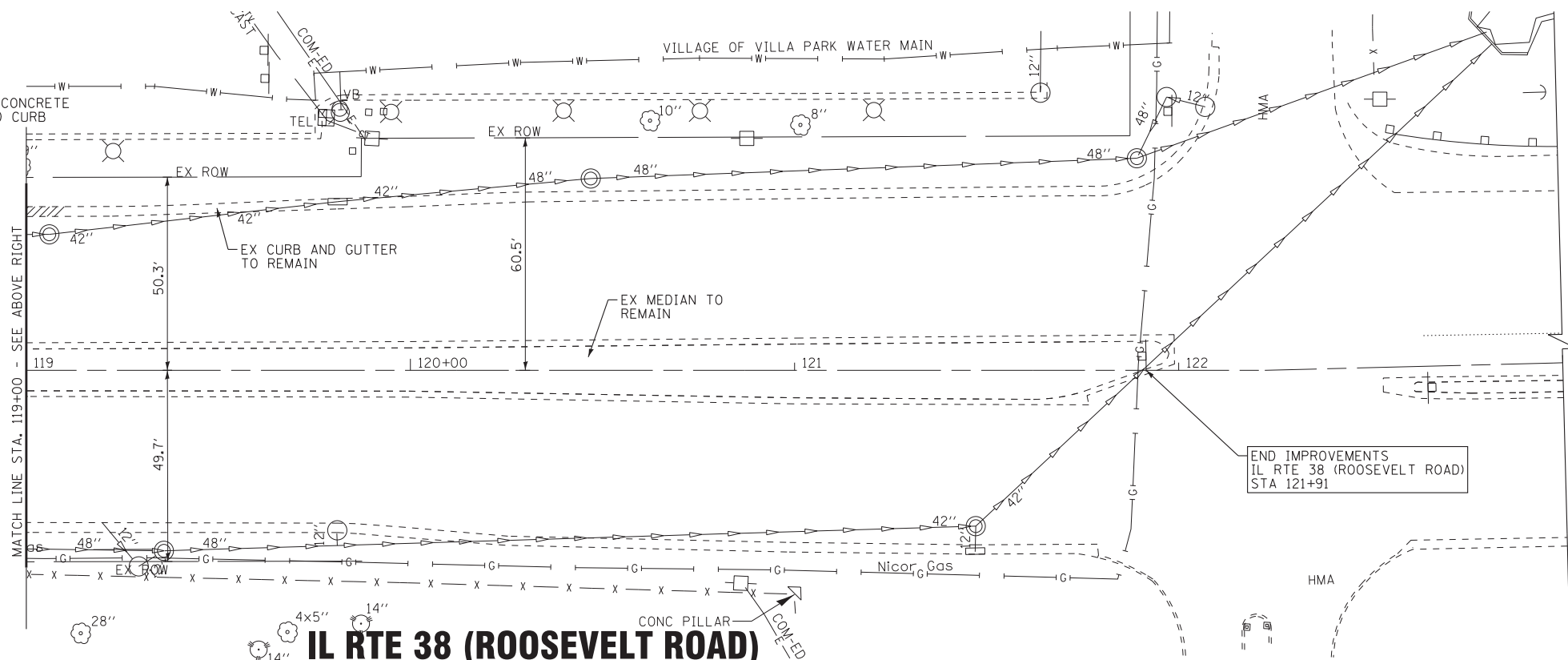
MATCH LINE STA. 115+00 - SEE SHEET NO. 17

IL RTE 38 (ROOSEVELT ROAD)

LEGEND

- PAVEMENT, DRIVEWAY PAVEMENT REMOVAL AND MEDIAN REMOVAL
- CURB OR CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- TREE REMOVAL

NOTE:
SEE PLAN AND PROFILE SHEETS FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT AND CURB REMOVAL AND REPLACEMENT



IL RTE 38 (ROOSEVELT ROAD)



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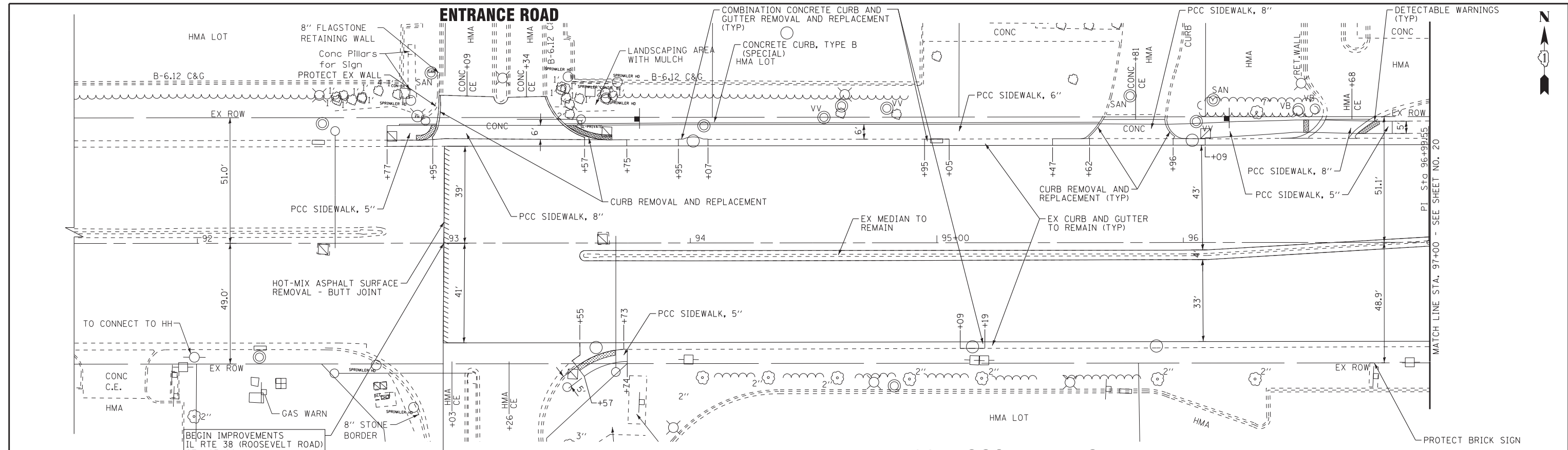
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EXISTING CONDITIONS AND REMOVAL PLAN IL RTE 38 (ROOSEVELT ROAD)

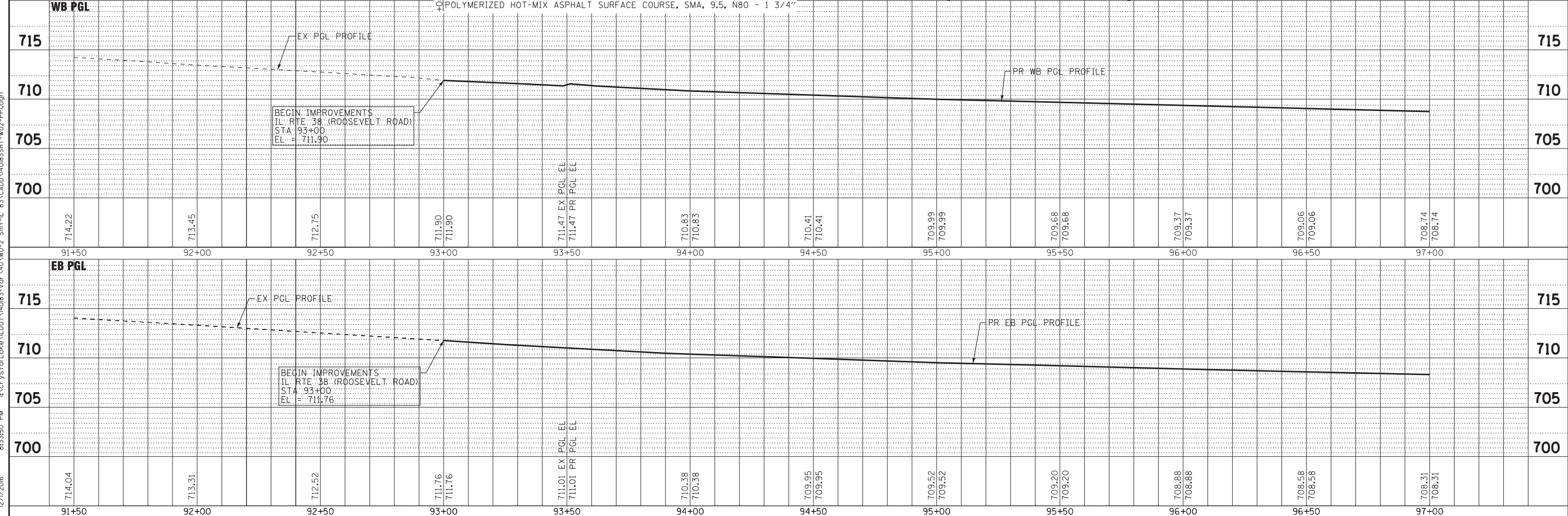
SCALE: 1"=20' STA. 115+00 TO STA. 123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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IL RTE 38 (ROOSEVELT ROAD)



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DATE - 10-7-16	FILE - 140183SHT-wo2-PP1.dgn

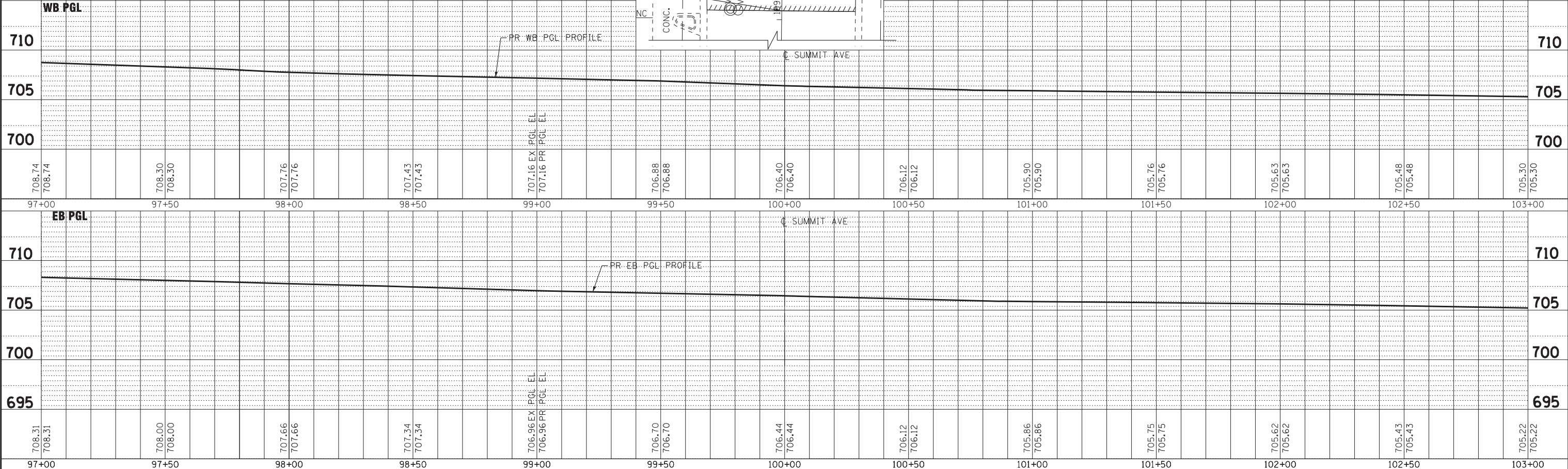
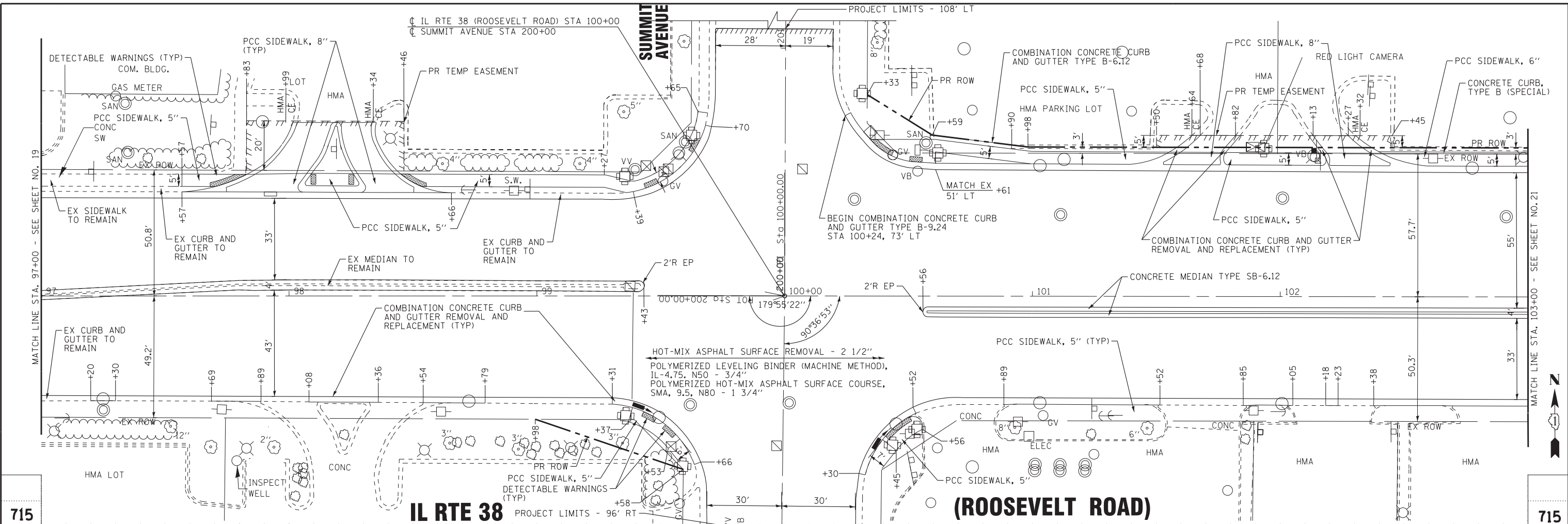
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
IL RTE 38 (ROOSEVELT ROAD)

SCALE: H: 1"=20' V: 1"=5' STA. 91+50 TO STA. 97+00

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 19
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	

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715	710	705	700	695
708.74	708.30	707.76	707.34	706.96
708.74	708.30	707.76	707.34	706.96
97+00	97+50	98+00	98+50	99+00

715	710	705	700	695
706.88	706.40	705.90	705.48	705.05
706.88	706.40	705.90	705.48	705.05
99+50	100+00	100+50	101+00	101+50

715	710	705	700	695
705.63	705.16	704.68	704.22	703.76
705.63	705.16	704.68	704.22	703.76
102+00	102+50	103+00		

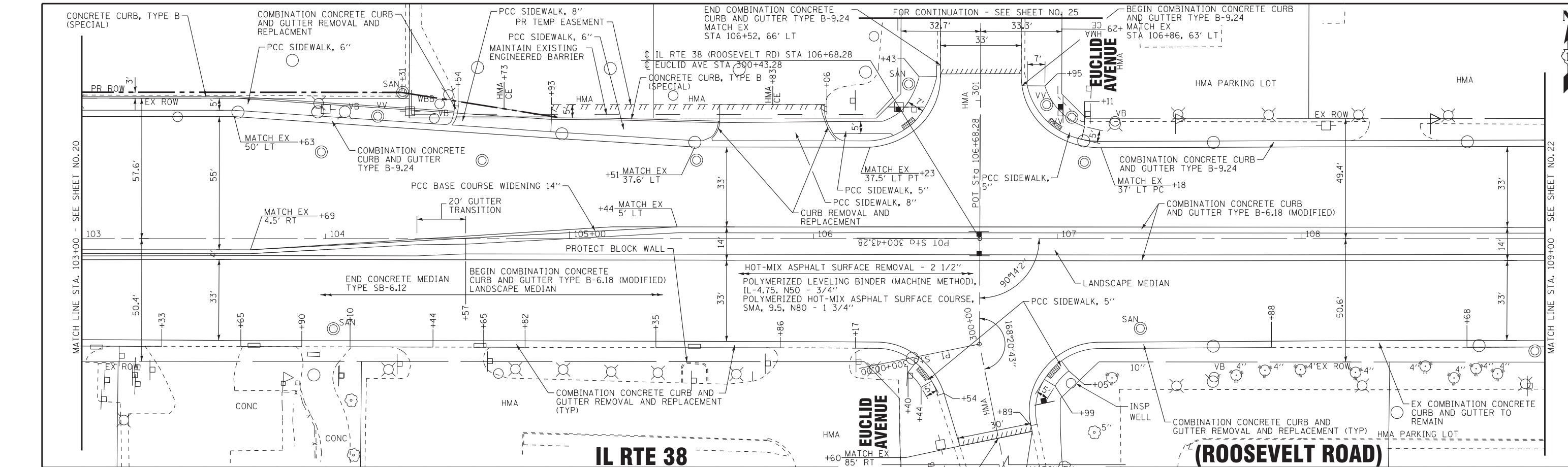
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PLAN AND PROFILE
IL RTE 38 (ROOSEVELT ROAD)

SCALE: H: 1"=20' V: 1"=5'

STA. 97+00 TO STA. 103+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	20
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	



WB PGL	ELEVATION (FEET)																				710							
	705.30	705.30	705.14	705.14	704.95	704.95	704.95	704.95	704.62 EX: PGL EL	704.62 PR: PGL EL	704.45	704.45	704.31	704.31	704.12	704.12	703.91	703.91	703.68	703.68		703.39	703.39	702.99	702.99	702.79	702.79	710
	103+00		103+50		104+00		104+50		105+00		105+50		106+00		106+50		107+00		107+50		108+00		108+50		109+00		710	
710																											710	
705																												705
700																												700
695																												695

EB PGL	ELEVATION (FEET)																				710						
	705.22	705.22	705.03	705.03	704.83	704.83	704.67	704.67	704.48 EX: PGL EL	704.48 PR: PGL EL	704.30	704.30	704.09	704.09	703.94	703.94	703.75	703.75	703.61	703.61		703.30	703.30	702.80	702.80	702.36	702.36
	103+00		103+50		104+00		104+50		105+00		105+50		106+00		106+50		107+00		107+50		108+00		108+50		109+00		710
710																											710
705																											705
700																											700
695																											695

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DATE - 10-7-16	FILE - 140183SHT-wo2-PP3.dgn

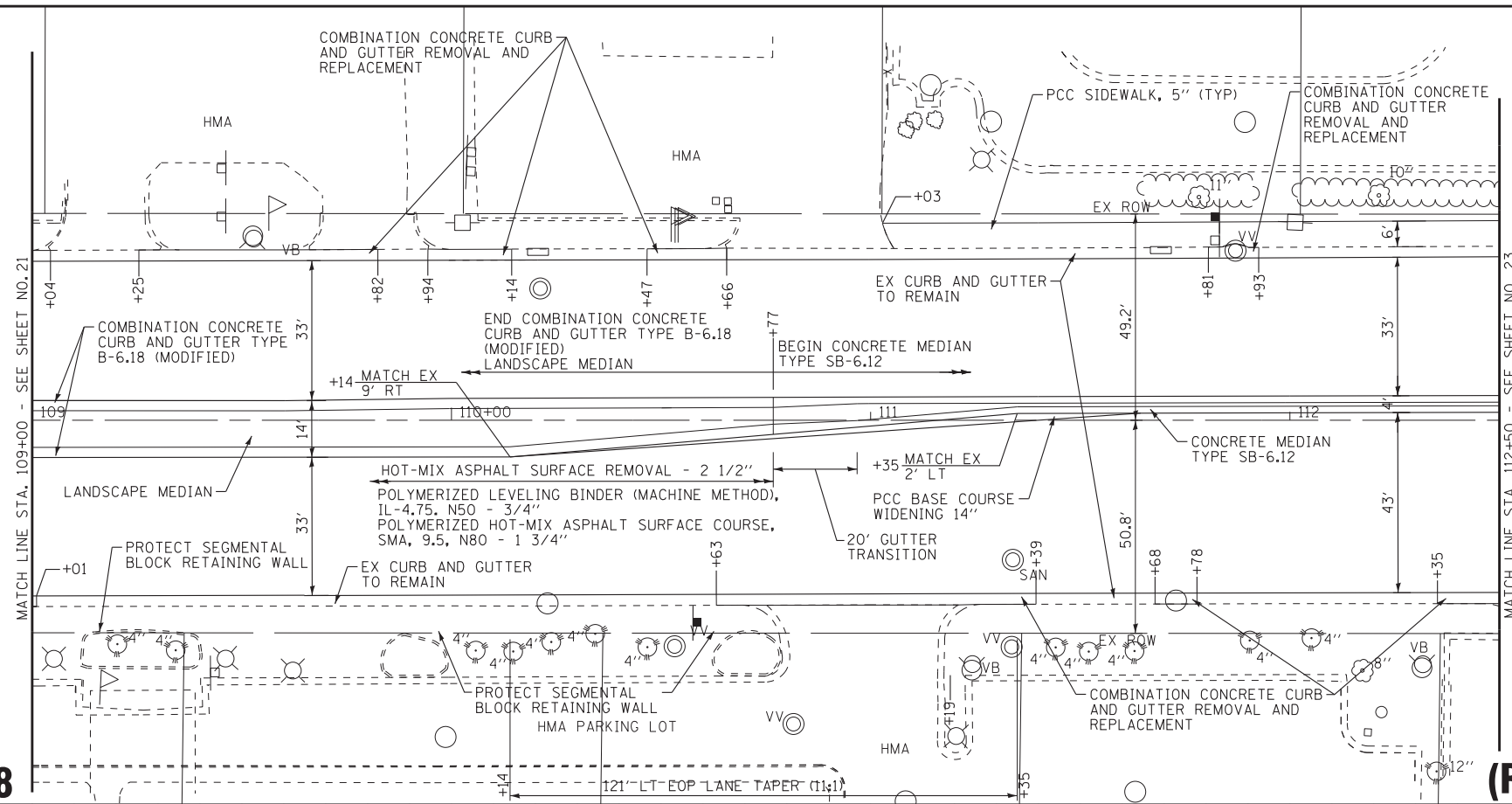
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
IL RTE 38 (ROOSEVELT ROAD)

SCALE: H: 1"=20' V: 1"=5'
 STA. 103+00 TO STA. 109+00

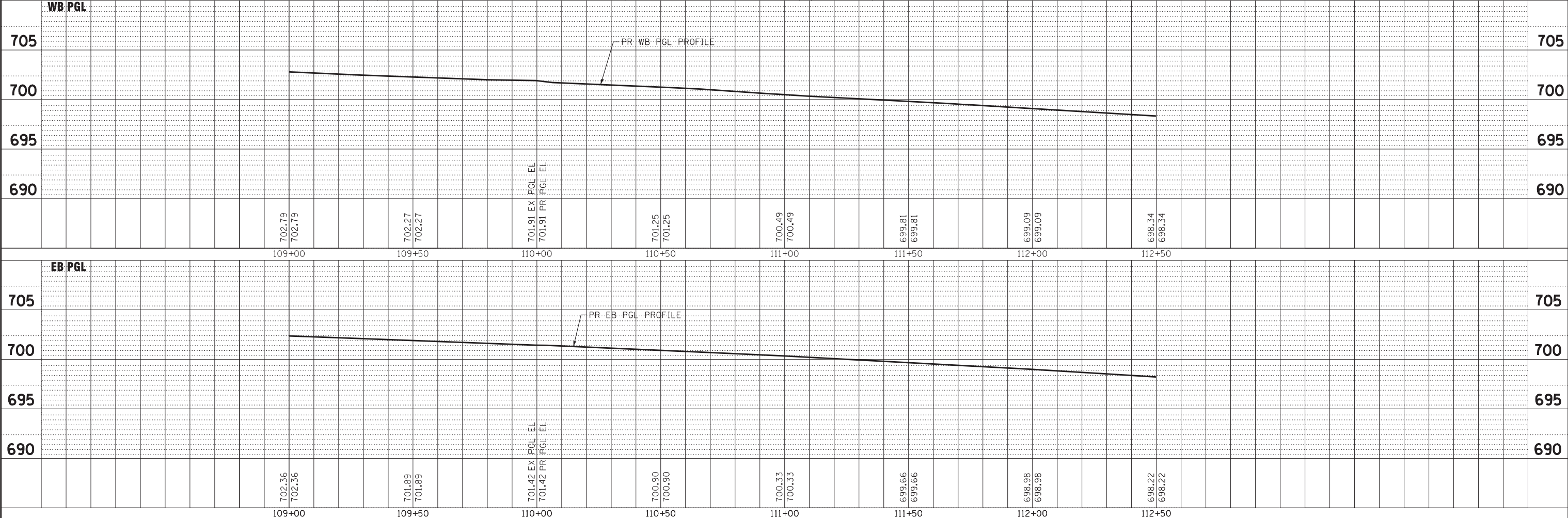
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	21

CONTRACT NO. 60X87
 FED. ROAD DIST. NO. 1 ILLINOIS



IL RTE 38

(ROOSEVELT ROAD)



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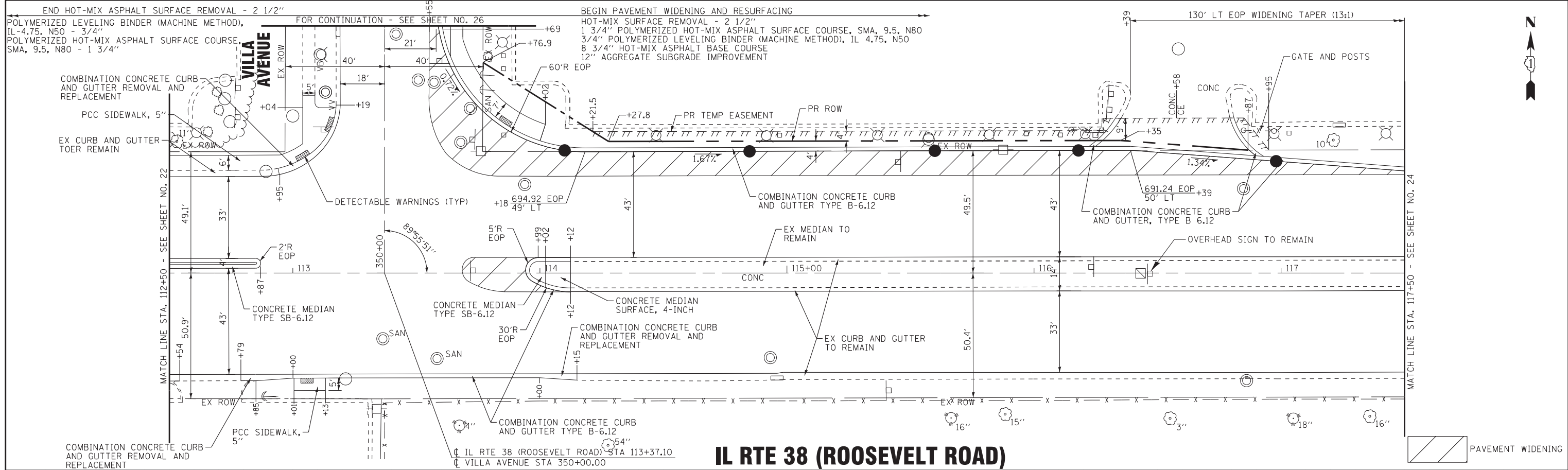
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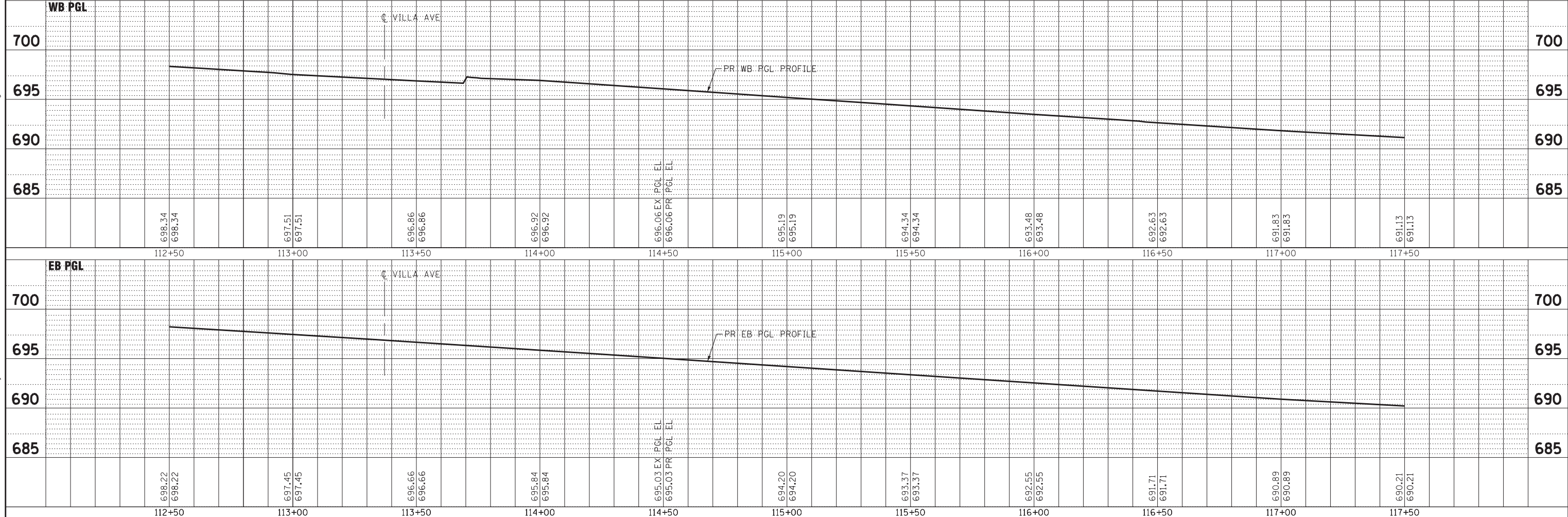
**PLAN AND PROFILE
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: H: 1"=20' V: 1"=5' STA. 109+00 TO STA. 112+50

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 22
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	



IL RTE 38 (ROOSEVELT ROAD)



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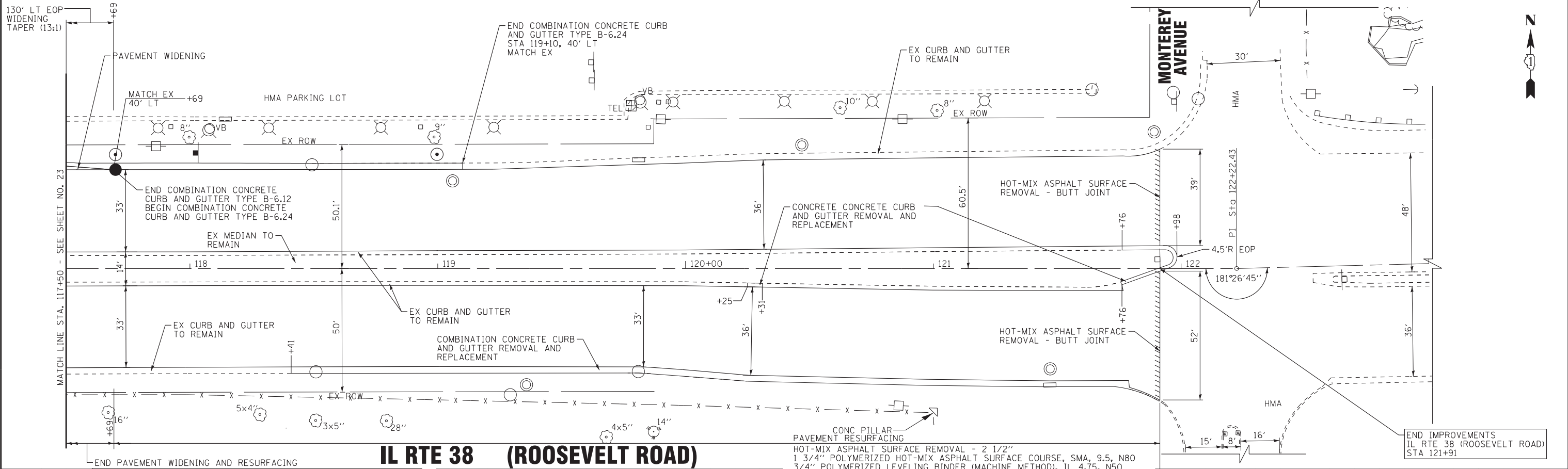
STATE OF ILLINOIS
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PLAN AND PROFILE
 IL RTE 38 (ROOSEVELT ROAD)

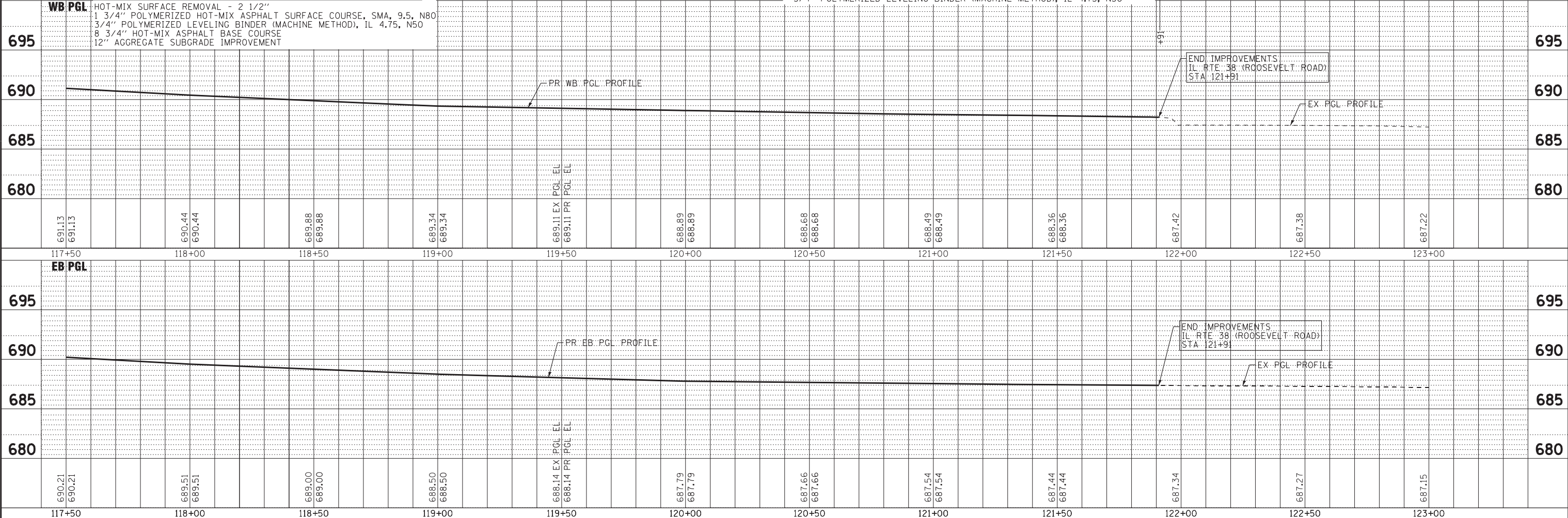
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STA. 112+50 TO STA. 117+50

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 23
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	



IL RTE 38 (ROOSEVELT ROAD)



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PLAN AND PROFILE
IL RTE 38 (ROOSEVELT ROAD)

SCALE: H: 1"=20' V: 1"=5'

STA. 117+50 TO STA. 123+00

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 24
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	

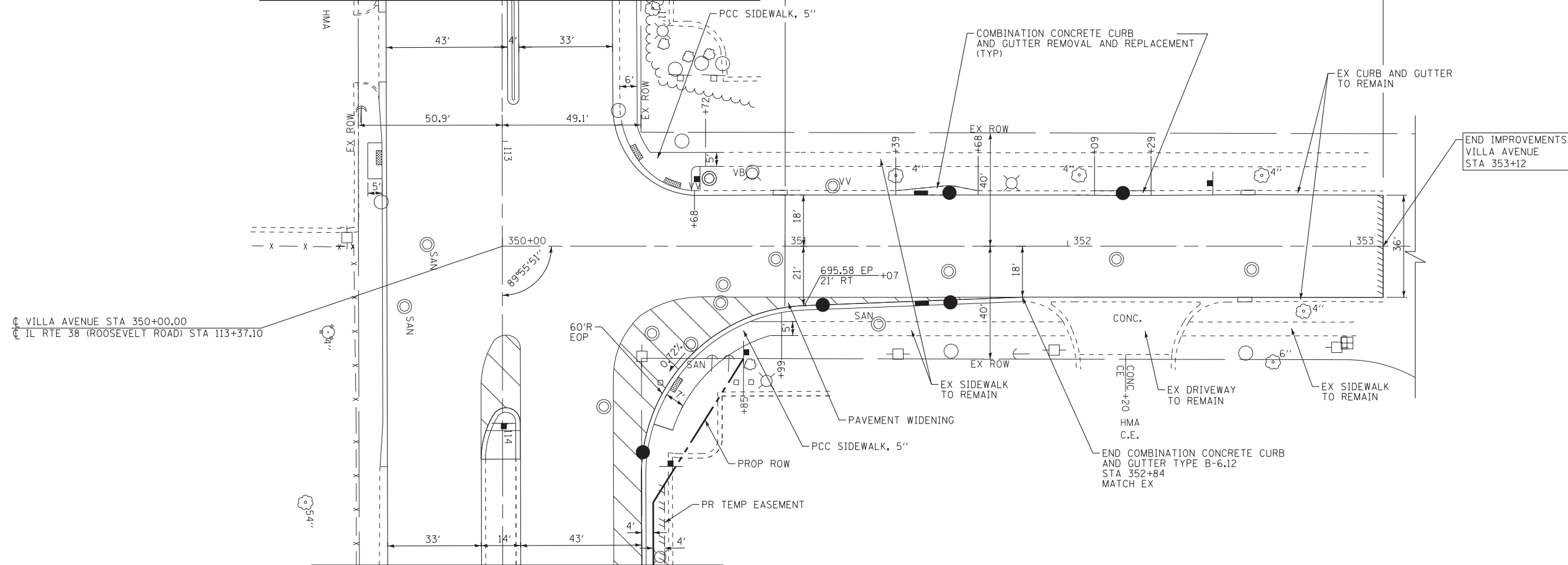
PAVEMENT WIDENING AND RESURFACING
 HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
 1 3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80
 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50
 8 3/4" HOT-MIX ASPHALT BASE COURSE
 12" AGGREGATE SUBGRADE IMPROVEMENT

BEGIN PAVEMENT WIDENING AND RESURFACING
 HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "D", N50
 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50
 8 3/4" HOT-MIX ASPHALT BASE COURSE
 12" AGGREGATE SUBGRADE IMPROVEMENT

IL RTE 38 (ROOSEVELT ROAD)
 FOR CONTINUATION - SEE SHEET NO. 23

IL RTE 38 (ROOSEVELT ROAD)
 FOR CONTINUATION - SEE SHEET NO. 23

VILLA AVENUE



CL VILLA AVENUE STA 350+00.00
 CL IL RTE 38 (ROOSEVELT ROAD) STA 113+37.10

END IMPROVEMENTS
 VILLA AVENUE
 STA 353+12

END COMBINATION CONCRETE CURB
 AND GUTTER TYPE B-6.12
 STA 352+84
 MATCH EX

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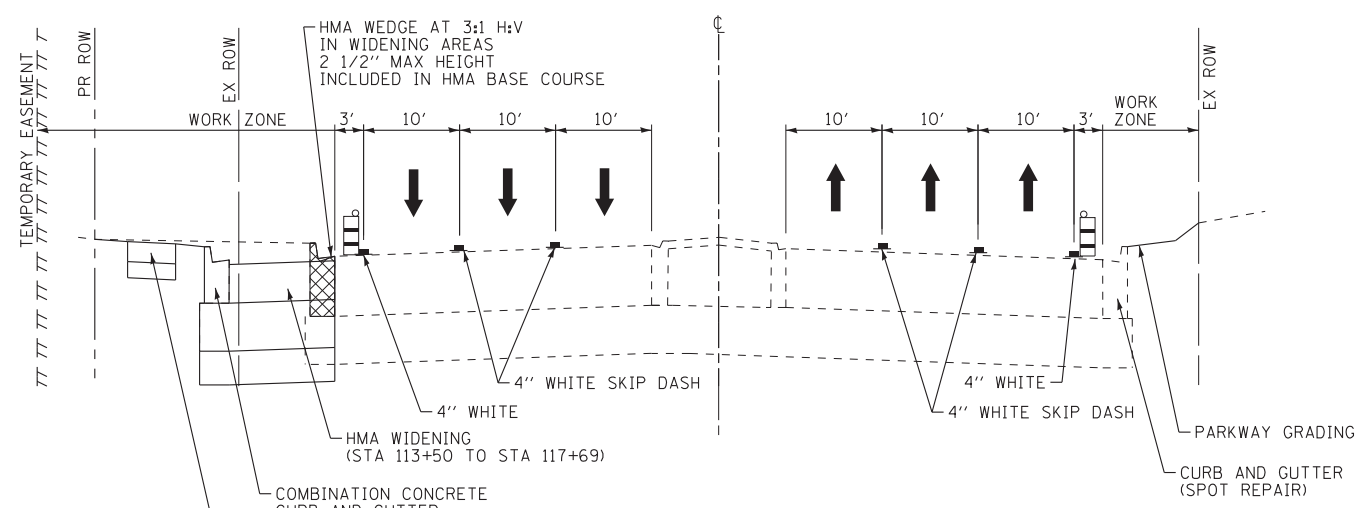
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**PLAN AND PROFILE
 VILLA AVENUE**

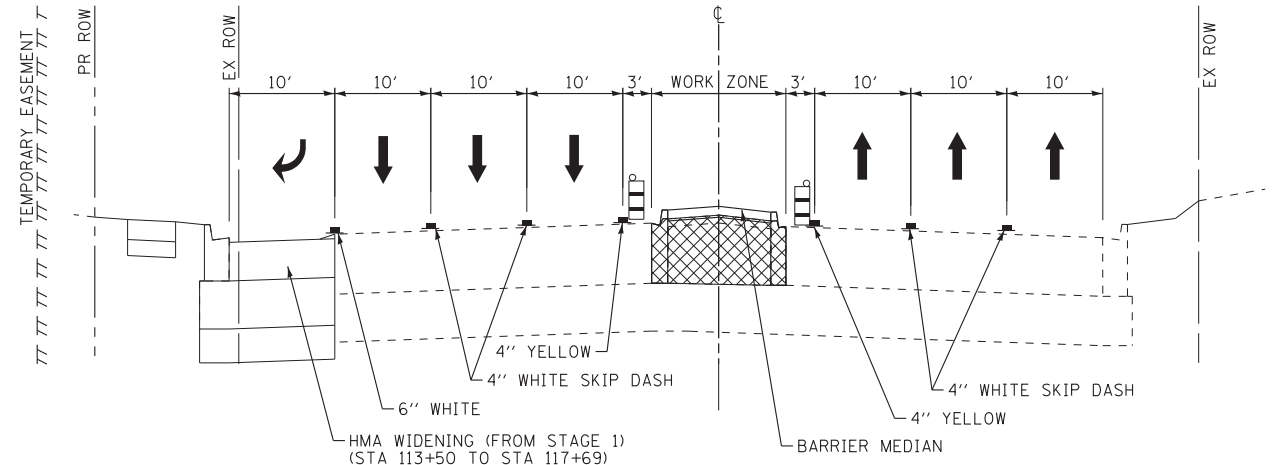
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 STA. 350+00 TO STA. 353+11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60X87			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

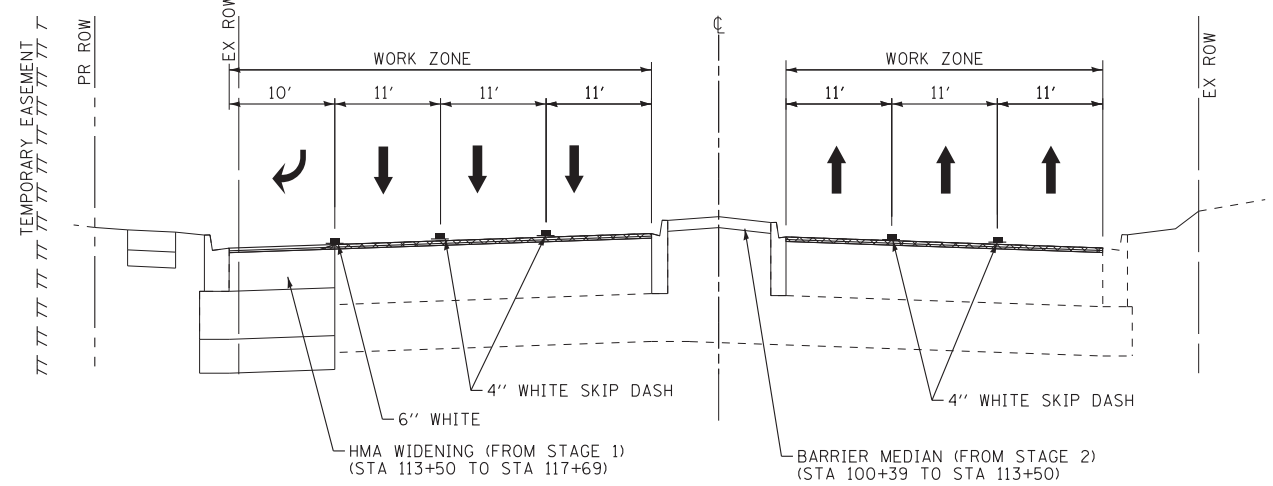
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TYPICAL SECTION - STAGE 1
IL RTE 38 (ROOSEVELT ROAD)
STA 93+00 TO STA 121+91

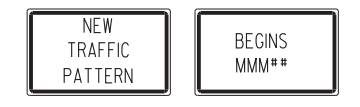


TYPICAL SECTION - STAGE 2
IL RTE 38 (ROOSEVELT ROAD)
STA 100+39 TO STA 113+50

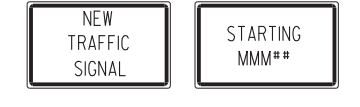


TYPICAL SECTION - STAGE 3
IL RTE 38 (ROOSEVELT ROAD)
STA 93+00 TO STA 121+91

CHANGEABLE MESSAGE SIGN DISPLAYS



2 WEEKS PRIOR TO TRAFFIC CONTROL STAGING CHANGE



2 WEEKS PRIOR TO TRAFFIC SIGNAL TURN ON



DAY OF TRAFFIC SIGNAL TURN ON

MAINTENANCE OF TRAFFIC STAGING

PRIOR TO CONSTRUCTION ESTABLISH EROSION CONTROL, AND ADVANCED TRAFFIC CONTROL MEASURES.

STAGE 1- IL 38 (ROOSEVELT ROAD) AND VILLA AVENUE

REDUCE BOTH THE EASTBOUND AND WESTBOUND TRAVEL LANES TO 10 FEET AND SHIFT THE LANES TOWARDS THE MEDIAN.

CONSTRUCT THE WESTBOUND RIGHT TURN LANE AT IL 38 AND VILLA AVENUE AND WIDENING ALONG VILLA AVENUE.

INSTALL PROPOSED TRAFFIC SIGNAL AT IL 38 AND VILLA AVENUE AND TRAFFIC SIGNAL MODIFICATIONS AT SUMMIT AVENUE.

INSTALL SIDEWALK ALONG THE NORTH SIDE OF IL 38 AND GRADE THE SOUTH SIDE OF IL 38 WITHIN THE PROJECT LIMITS.

STAGE 2- IL 38 (ROOSEVELT ROAD)

UPON COMPLETION OF STAGE 1, REDUCE BOTH THE EASTBOUND AND WESTBOUND TRAVEL LANES TO 10 FEET AND SHIFT THE LANES AWAY FROM THE MEDIAN.

REMOVE THE EXISTING MOUNTABLE MEDIAN AND EXISTING HOT-MIX ASPHALT ALONG THE IL 38 MEDIAN FROM EAST OF SUMMIT AVENUE TO WEST OF VILLA AVENUE AND INSTALL BARRIER MEDIAN.

STAGE 3- CONSTRUCTION IL 38 (ROOSEVELT ROAD)

UPON COMPLETION OF STAGE 2, ESTABLISH PERMANENT TRAFFIC CONFIGURATION. MILL, PATCH, INSTALL HMA LEVELING BINDER, SURFACE COURSE, COMPLETE TRAFFIC SIGNALS AND PERMANENT PAVEMENT MARKINGS.

LEGEND

- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN, MONO-DIRECTIONAL LIGHT
- EXISTING ELEMENTS
- PROPOSED ELEMENTS (PRIOR STAGES)
- PROPOSED ELEMENTS (CURRENT STAGE)
- TEMPORARY PAVEMENT MARKINGS
- REMOVAL

MAINTENANCE OF TRAFFIC NOTES

1. ALL ROADWAYS SHALL BE OPEN TO TWO-WAY TRAFFIC AT ALL TIMES UNLESS OTHERWISE NOTED IN THE STAGING PLANS.
2. ACCESS FOR LOCAL TRAFFIC, MAIL SERVICE, GARBAGE SERVICE AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
3. THE ENGINEER SHALL BE NOTIFIED OF ANY CHANGES IN CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
4. THE CONTRACTOR SHALL SUBMIT A PRE-PLANNED SEQUENCE OF WORK AT THE PRECONSTRUCTION CONFERENCE FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND BUSINESSES AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE DEPARTMENT RESERVES THE RIGHT TO RESTRICT WORK ON ANY AREA IF TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE.
5. CONSTRUCTION OPERATIONS INVOLVING THE TEMPORARY CLOSING OF DRIVEWAYS SHALL NOT COMMENCE WITHOUT THE CONTRACTOR NOTIFYING THE DEPARTMENT AT LEAST THREE DAYS PRIOR. THE CONTRACTOR SHALL PROVIDE 48-HOUR NOTICE TO AFFECTED PARTIES BY DISTRIBUTING NOTICES AND/OR POSTING SIGNS.
6. THE MAXIMUM BARRICADE/DRUM SPACING ON IL RTE 38 (ROOSEVELT ROAD) SHALL BE 50' IN TANGENT SECTIONS. THE MAXIMUM BARRICADE/DRUM SPACING ON VILLA AVENUE SHALL BE 50' IN TANGENT SECTIONS.
7. ALL UTILITY TRENCHES SUBJECTED TO TRAFFIC SHALL HAVE CLASS D PATCHES INSTALLED PRIOR TO OPENING TO TRAFFIC.
8. ALL TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATES AT THE END OF EACH DAY.
9. THE W21-1 OR W20-7 SIGNS SHALL BE REMOVED OR COVERED WHEN WORKERS/FLAGGERS ARE NOT PRESENT.
10. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ON IL RTE 38 AND VILLA AVENUE ADVISING TRAFFIC OF CHANGES IN TRAFFIC PATTERNS AND TRAFFIC SIGNALS.
11. ANY TEMPORARY STORM SEWER PLUGS REQUIRED FOR CONSTRUCTION SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.
12. THE CONTRACTOR WILL BE ALLOWED TEMPORARY SINGLE LANE CLOSURES ONLY DURING ACTUAL ADJACENT WORK. ALL LANES SHALL BE OPEN TO TRAFFIC AT THE END OF EACH DAY.
13. THE "NEW" PLAQUE (W16-15P) SHALL BE REMOVED FROM THE SIGNAL AHEAD SIGN 6 WEEKS AFTER THE TRAFFIC SIGNAL TURN ON.
14. WHEN THE MEDIAN IS GREATER THAN 6' WIDE AN ADDITIONAL MATCHING TRAFFIC CONTROL SIGN SHALL BE PLACED IN THE MEDIAN.



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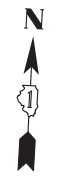
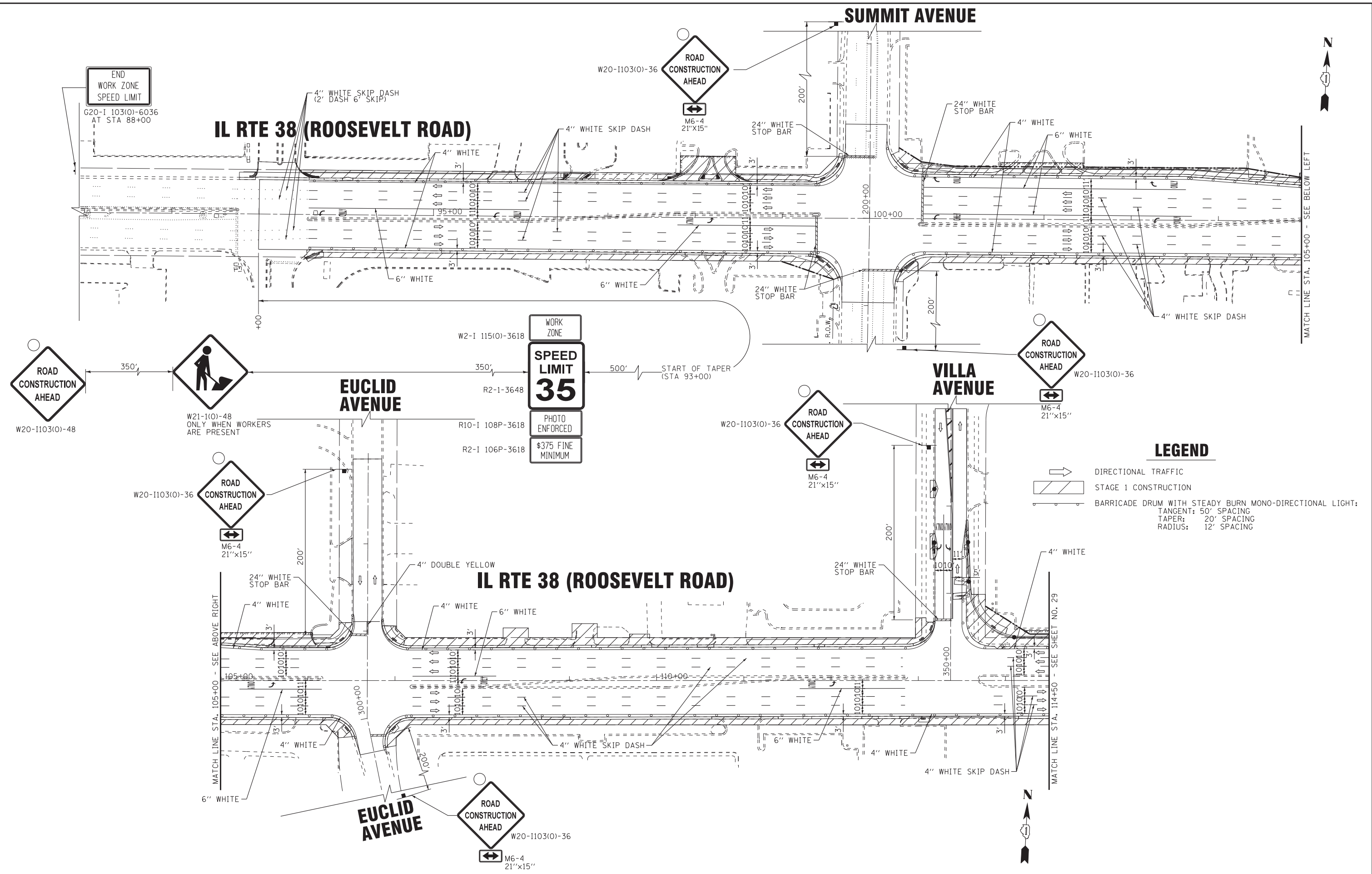
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DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

SCALE: _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	27
CONTRACT NO. 60X87			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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LEGEND

DIRECTIONAL TRAFFIC
 STAGE 1 CONSTRUCTION
 BARRICADE DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT:
 TANGENT: 50' SPACING
 TAPER: 20' SPACING
 RADIUS: 12' SPACING

BAXTER & WOODMAN
Consulting Engineers

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DATE - 10-7-16	FILE - 140183SHT-wo2-Mot-Stage1.dgn

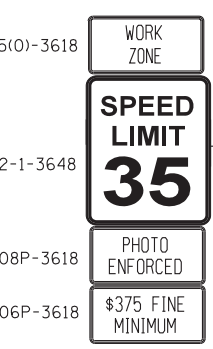
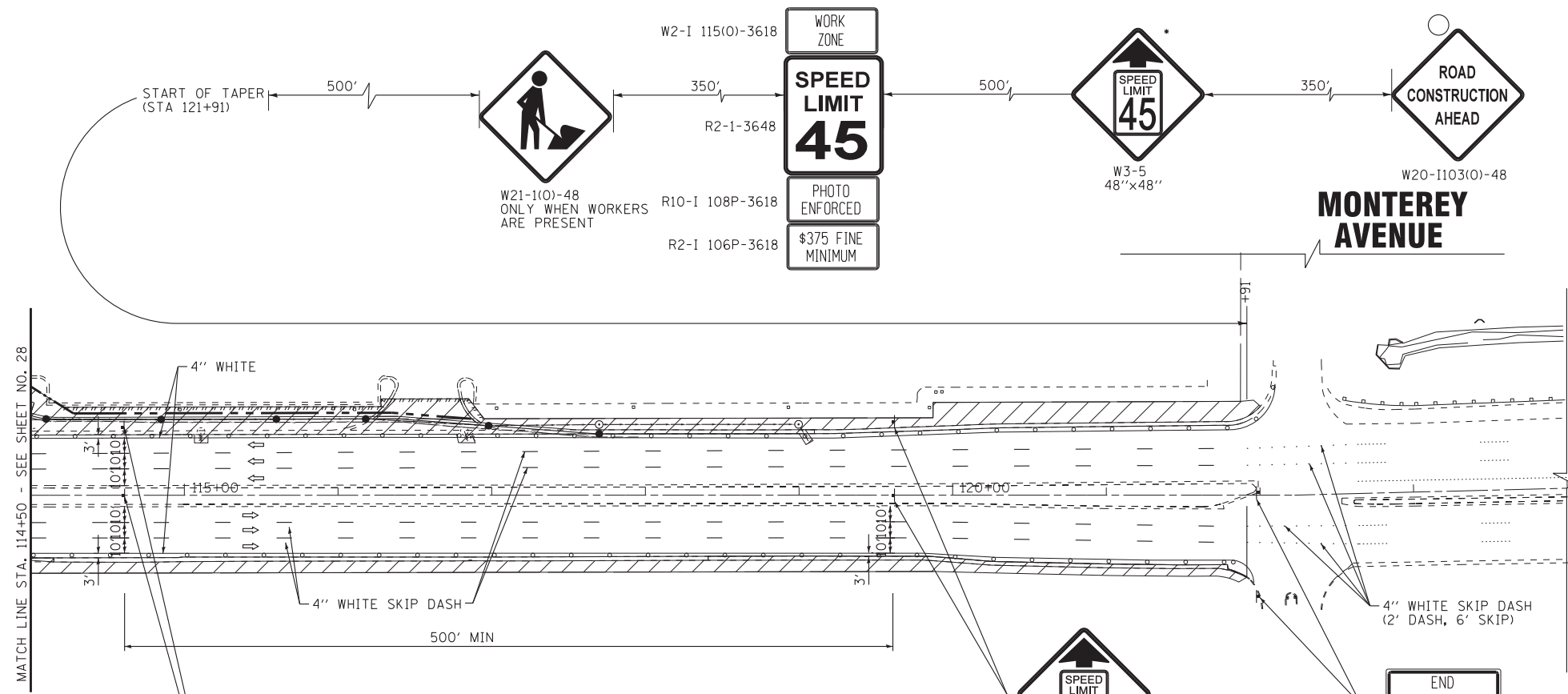
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DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC STAGE 1
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: 1"=50' STA. 92+00 TO STA. 114+50

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 28
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

• COVER EXISTING "BLACK ON YELLOW"
AND REPLACE WITH "BLACK ON ORANGE"



IL RTE 38 (ROOSEVELT ROAD)

LEGEND

- DIRECTIONAL TRAFFIC
- STAGE 1 CONSTRUCTION
- BARRICADE DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT:
TANGENT: 50' SPACING
TAPER: 20' SPACING
RADIUS: 12' SPACING

MONTEREY AVENUE



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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-Mot-Stge1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFICE STAGE 1
IL RTE 38 (ROOSEVELT ROAD)

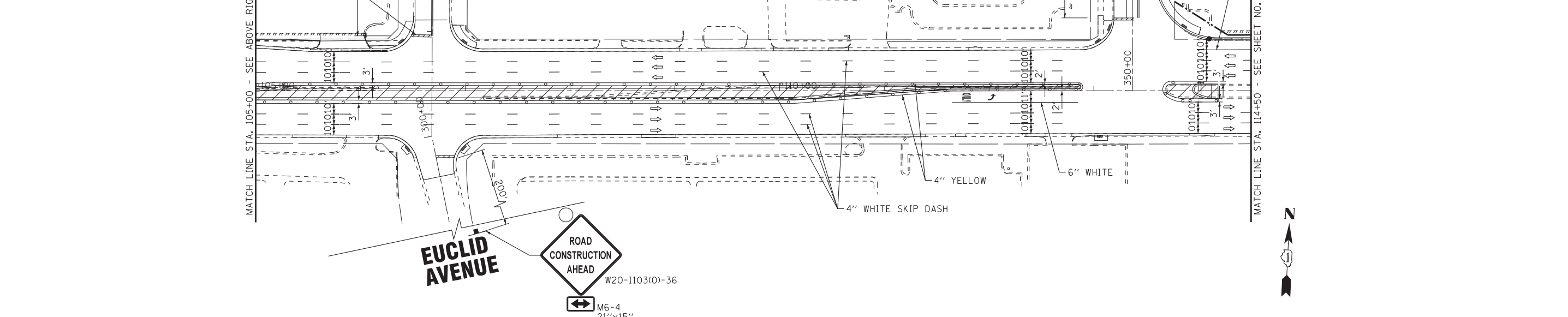
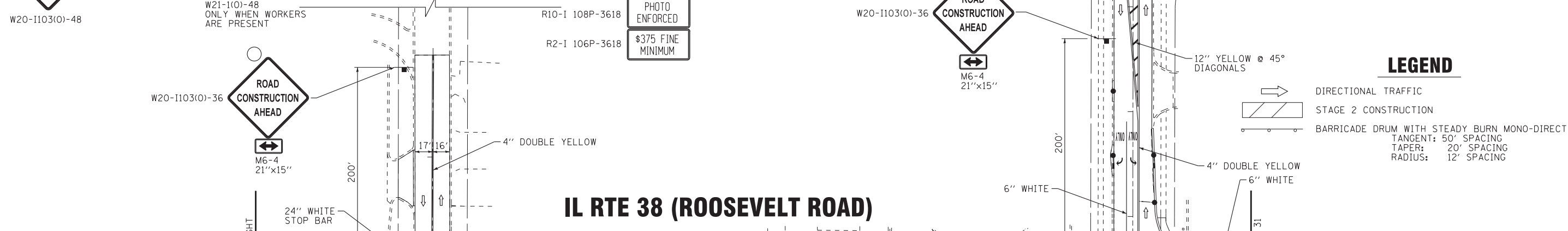
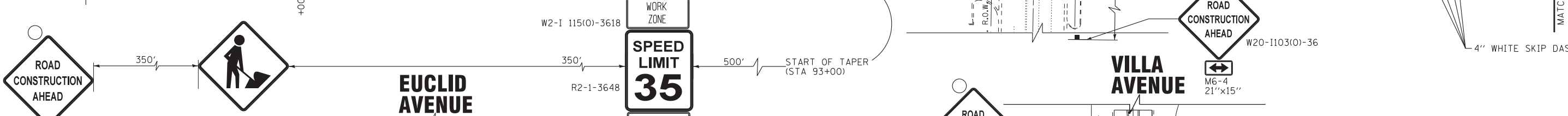
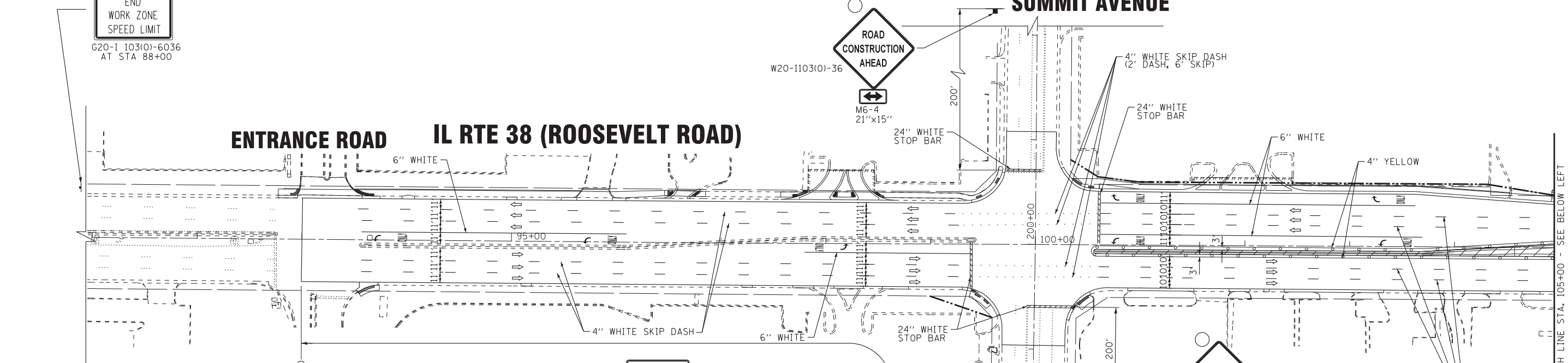
SCALE: 1"=50' STA.114+50 TO STA.124+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

END
WORK ZONE
SPEED LIMIT
G20-I 103(O)-6036
AT STA 88+00

SUMMIT AVENUE

ENTRANCE ROAD IL RTE 38 (ROOSEVELT ROAD)



LEGEND

- DIRECTIONAL TRAFFIC
- STAGE 2 CONSTRUCTION
- BARRICADE DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT:
TANGENT: 50' SPACING
TAPER: 20' SPACING
RADIUS: 12' SPACING

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-Mot-Stge2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC STAGE 2
IL RTE 38 ROOSEVELT ROAD**

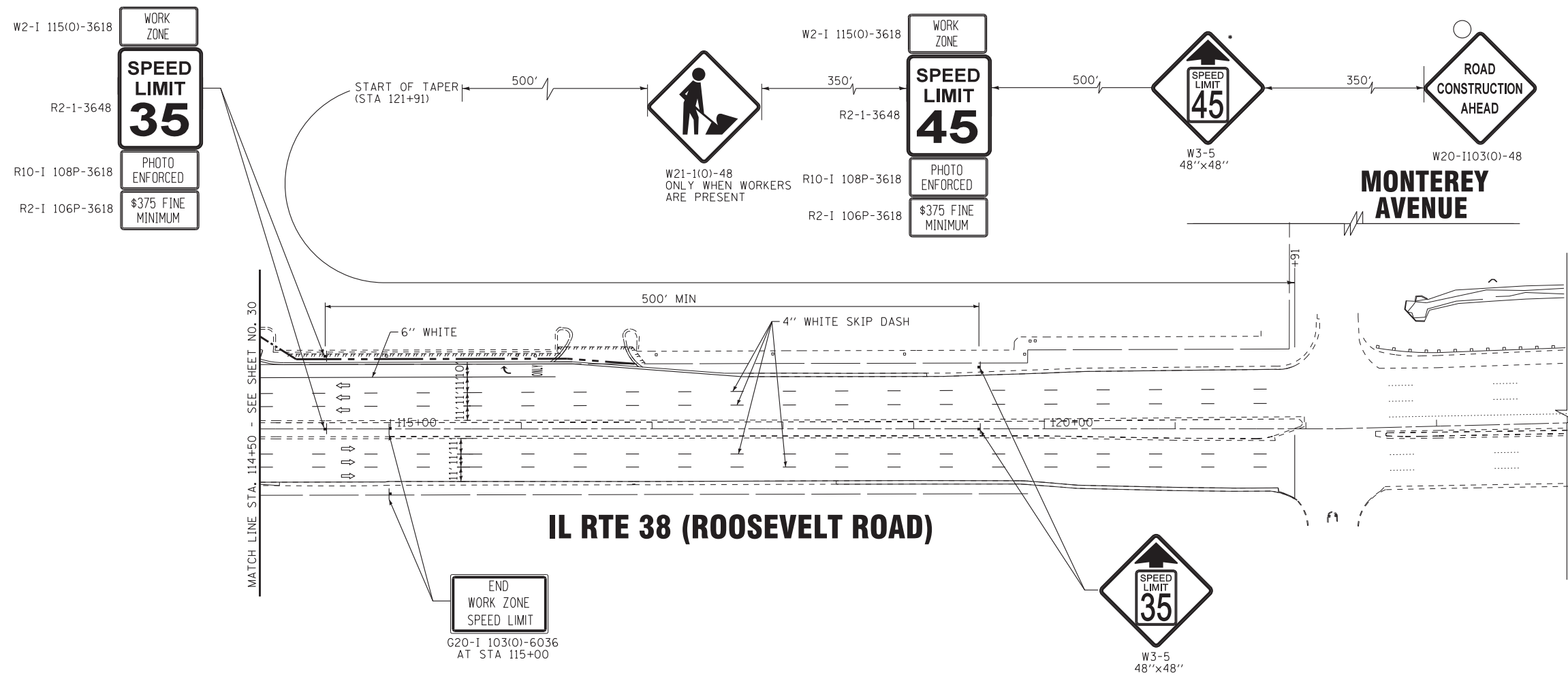
SCALE: 1"=50'

STA. 92+00 TO STA. 114+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	30
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	



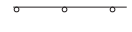
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• COVER EXISTING "BLACK ON YELLOW"
AND REPLACE WITH "BLACK ON ORANGE"



IL RTE 38 (ROOSEVELT ROAD)

LEGEND

-  DIRECTIONAL TRAFFIC
-  STAGE 2 CONSTRUCTION
-  BARRICADE DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT:
TANGENT: 50' SPACING
TAPER: 20' SPACING
RADIUS: 12' SPACING

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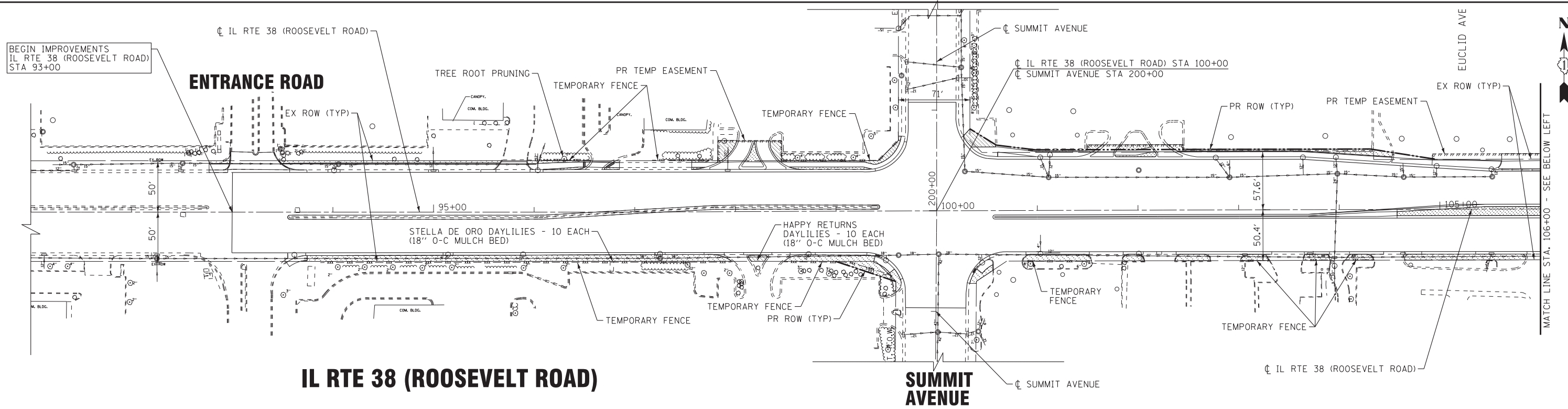
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DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-Mot-Stage2.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFICE STAGE 2
IL RTE 38 ROOSEVELT ROAD**

SCALE: 1"=50' STA.114+50 TO STA.124+00


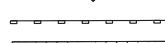

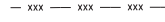
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	31
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

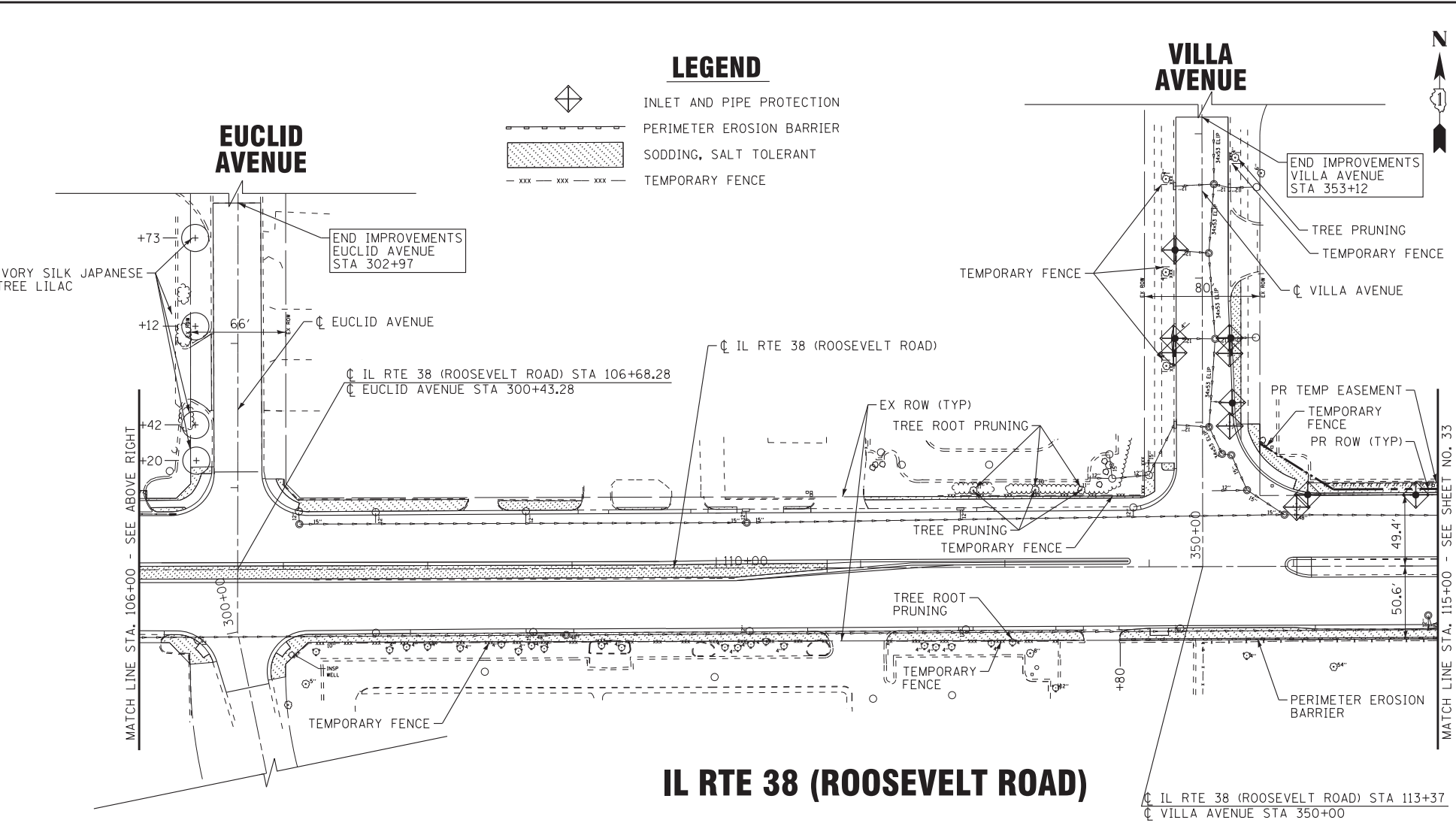


IL RTE 38 (ROOSEVELT ROAD)

SUMMIT AVENUE

LEGEND

-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  SODDING, SALT TOLERANT
-  TEMPORARY FENCE



IL RTE 38 (ROOSEVELT ROAD)

VILLA AVENUE

NOTES.

1. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THESE PLANS ARE TO BE EXPECTED PENDING A JOB SITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
2. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
3. EXISTING GROUND COVER SHALL REMAIN WHERE THERE IS NO PROPOSED GRADING.
4. MULCH, METHOD 2 SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY SEEDING HAS BEEN COMPLETED ON AREAS WITH SLOPES FLATTER THAN 3:1 THAT ARE TEMPORARILY SEEDDED ON OR AFTER SEPTEMBER 16.
5. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (<http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control>).
6. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
8. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING UNDERDRAIN CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED UNDERDRAIN AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
9. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
10. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
11. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDDED AT ONE TIME.
12. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-Eros.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: 1"=50'

STA. 92+50 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	32
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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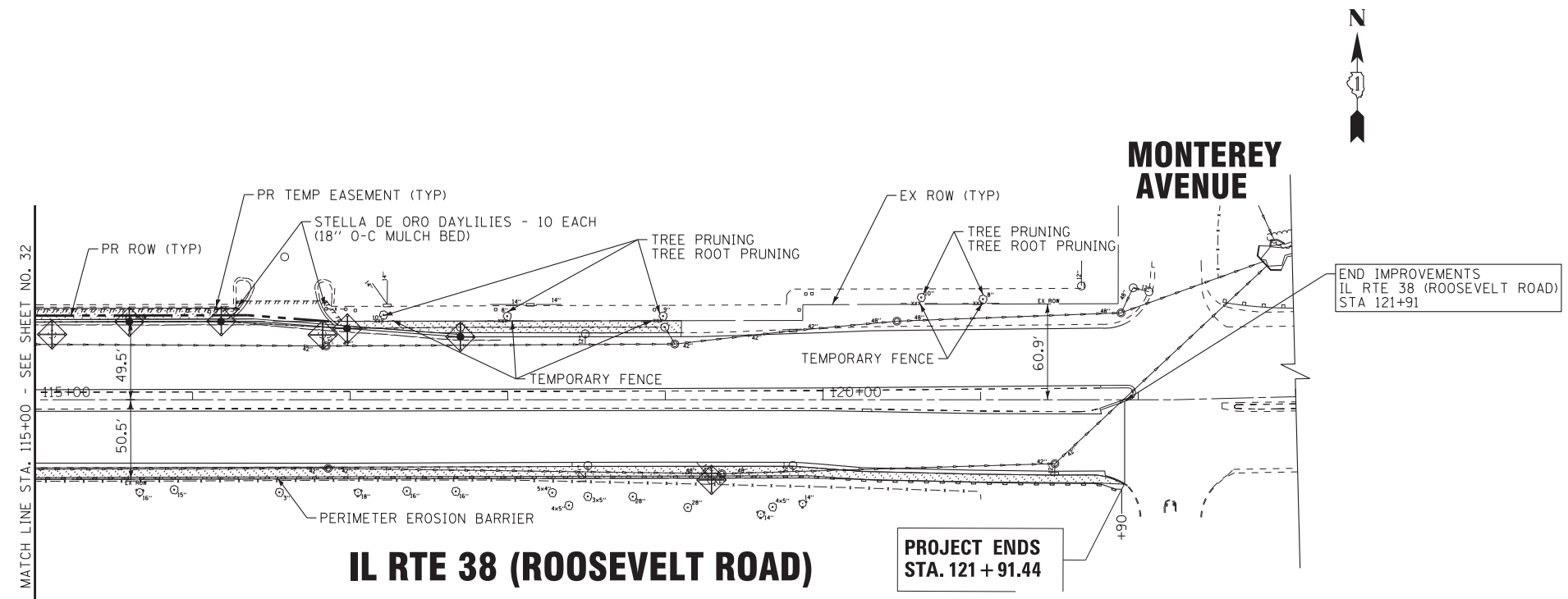
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DATE - 10-7-16	FILE - 140183SHT-wo2-Eros2.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




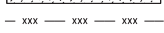
**EROSION CONTROL PLAN
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: 1"=50' STA.115+00 TO STA.122+00

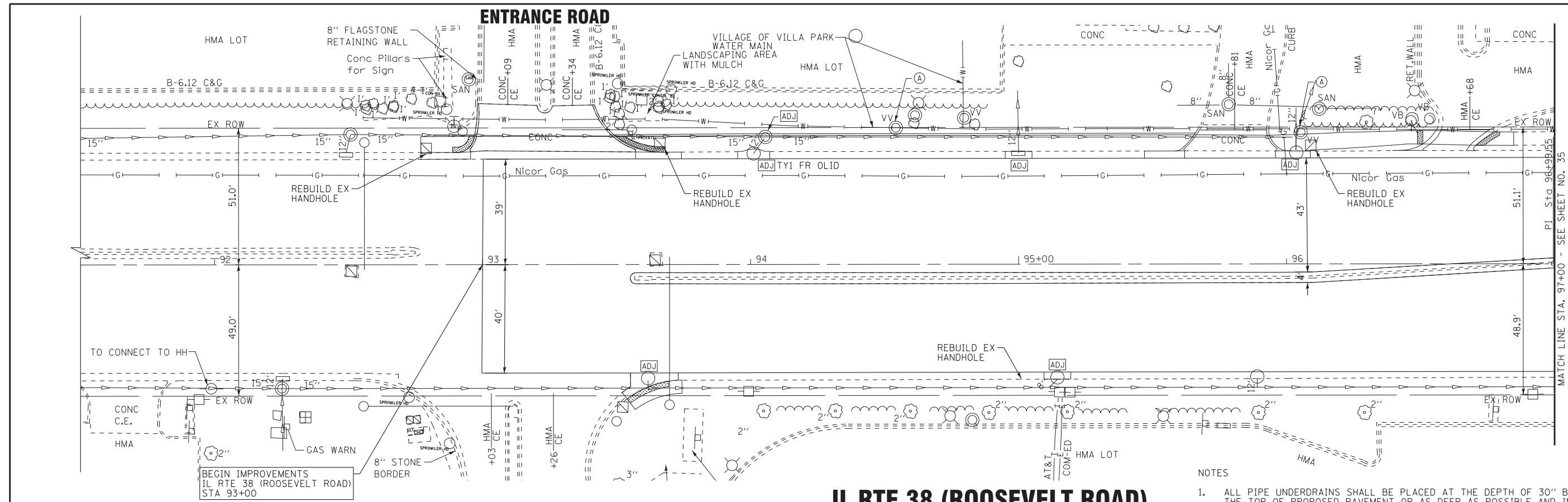
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	



LEGEND

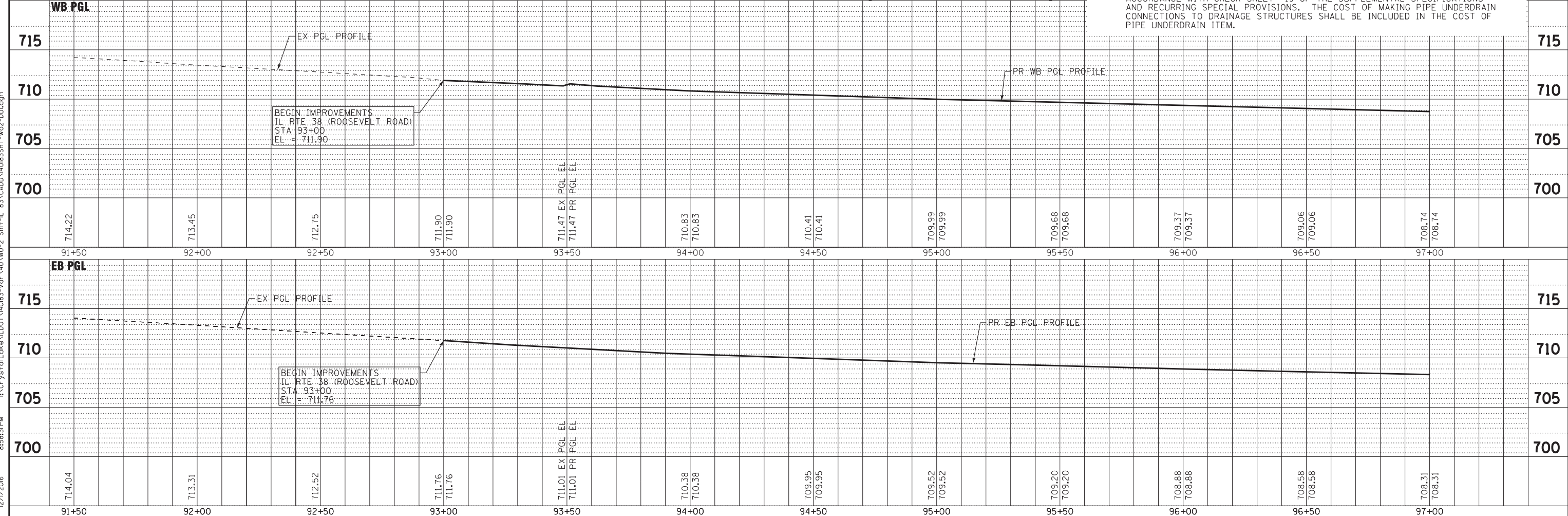
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  SODDING, SALT TOLERANT
-  TEMPORARY FENCE





IL RTE 38 (ROOSEVELT ROAD)

- NOTES
- ALL PIPE UNDERDRAINS SHALL BE PLACED AT THE DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE AND IN ACCORDANCE WITH CHECK SHEET #19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAIN ITEM.



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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-DUI.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

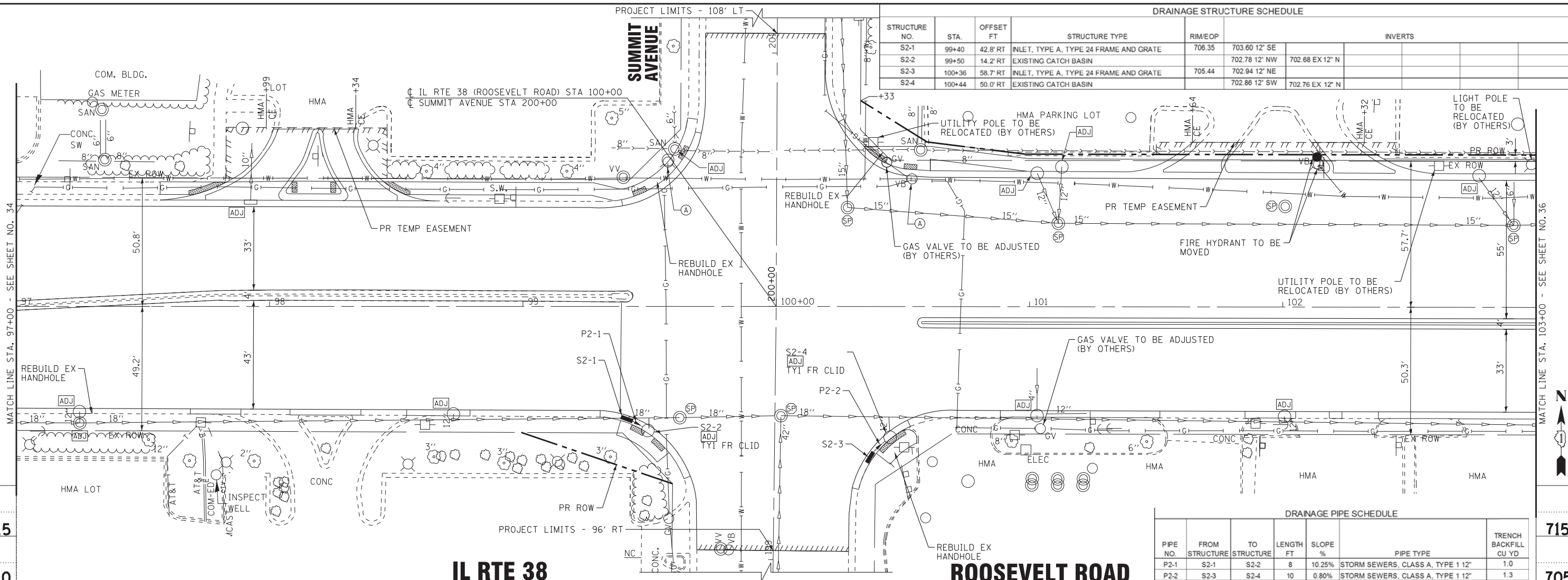
DRAINAGE AND UTILITIES IL RTE 38 (ROOSEVELT ROAD)	
SCALE: H: 1"=20' V: 1"=5'	STA. 91+50 TO STA. 97+00

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 34
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	

PROJECT LIMITS - 108' LT

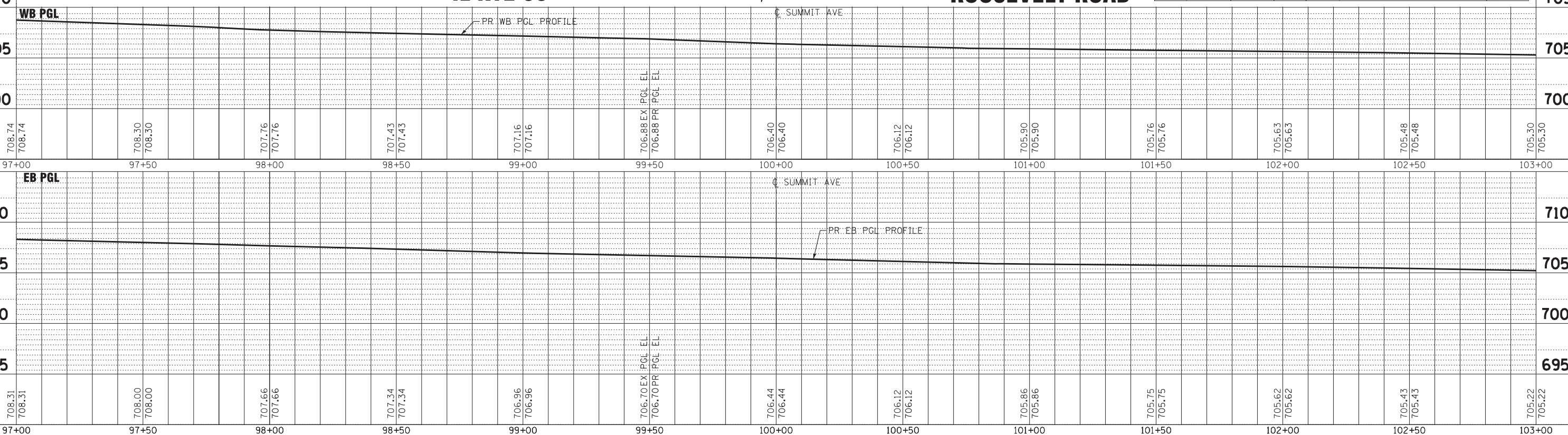
DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS	
S2-1	99+40	42.8' RT	INLET, TYPE A, TYPE 24 FRAME AND GRATE	706.35	703.60 12" SE	
S2-2	99+50	14.2' RT	EXISTING CATCH BASIN		702.78 12" NW	702.68 EX 12" N
S2-3	100+36	58.7' RT	INLET, TYPE A, TYPE 24 FRAME AND GRATE	705.44	702.94 12" NE	
S2-4	100+44	50.0' RT	EXISTING CATCH BASIN		702.86 12" SW	702.76 EX 12" N



DRAINAGE PIPE SCHEDULE

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
P2-1	S2-1	S2-2	8	10.25%	STORM SEWERS, CLASS A, TYPE 1 12"	1.0
P2-2	S2-3	S2-4	10	0.80%	STORM SEWERS, CLASS A, TYPE 1 12"	1.3



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BAXTER WOODMAN	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-DU2.dgn

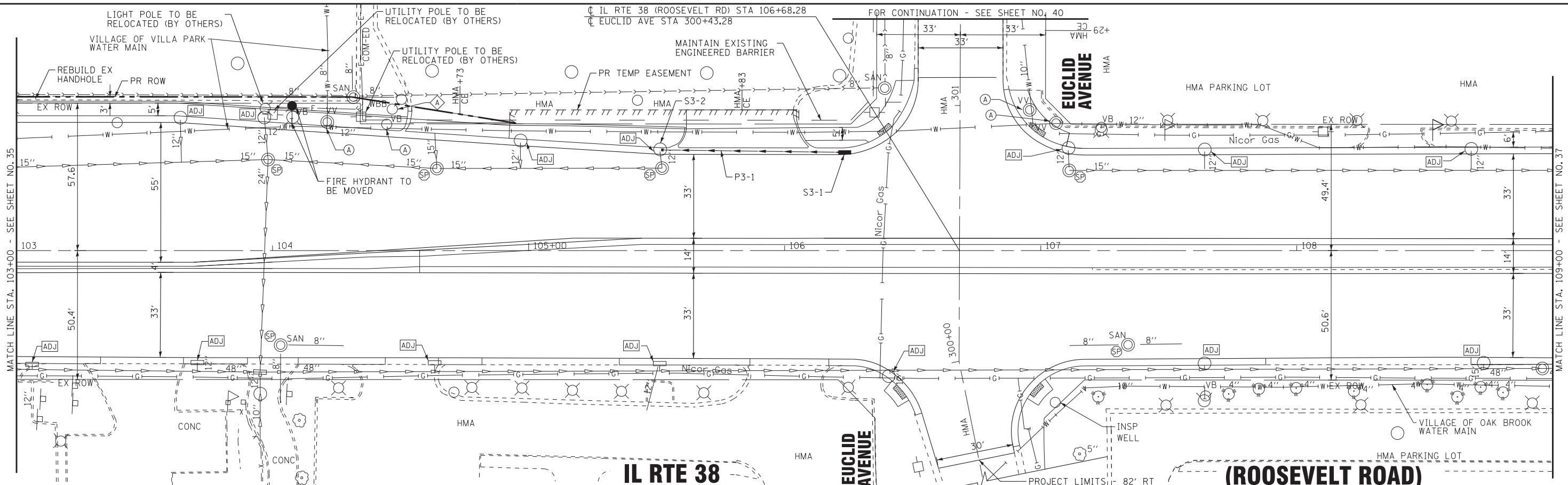
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES
IL RTE 38 (ROOSEVELT ROAD)

SCALE: H: 1"=20' V: 1"=5'

STA. 97+00 TO STA. 103+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	35
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	



IL RTE 38

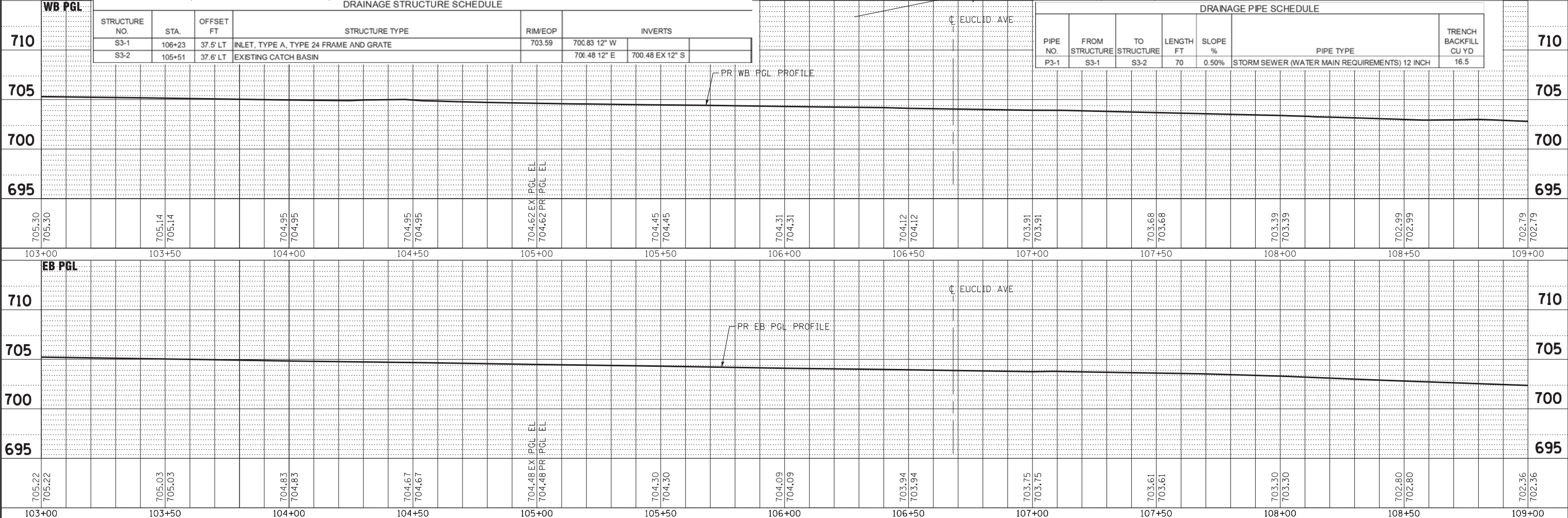
(ROOSEVELT ROAD)

WB PGL

DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS	
S3-1	106+23	37.5' LT	INLET, TYPE A, TYPE 24 FRAME AND GRATE	703.59	700.83 12" W	
S3-2	105+51	37.6' LT	EXISTING CATCH BASIN		700.48 12" E	700.48 EX 12" S

DRAINAGE PIPE SCHEDULE

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
P3-1	S3-1	S3-2	70	0.50%	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	16.5



DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
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DATE - 10-7-16	FILE - 140183SHT-wo2-DU3.dgn

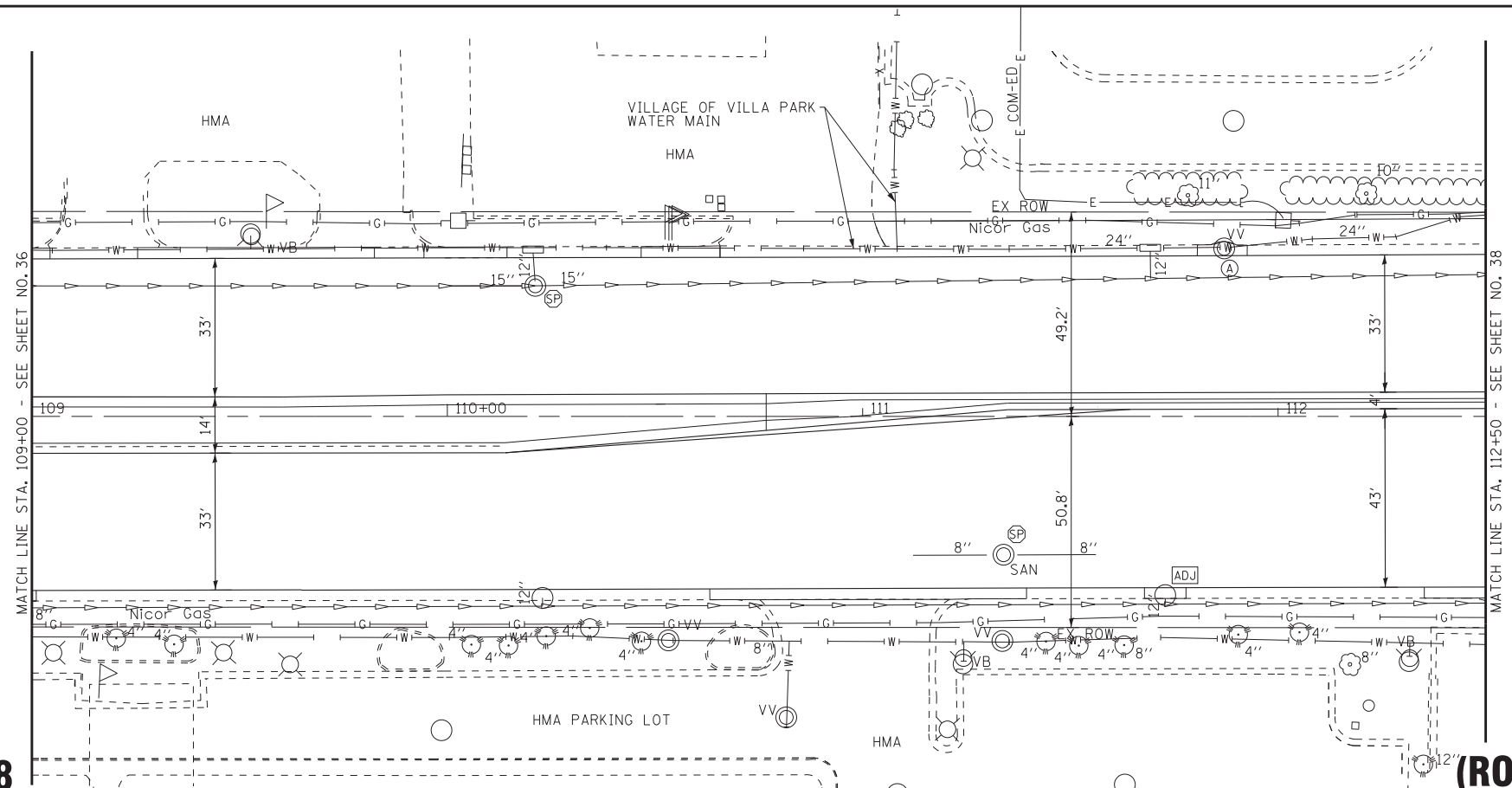
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: H: 1"=20' V: 1"=5' STA. 103+00 TO STA. 109+00

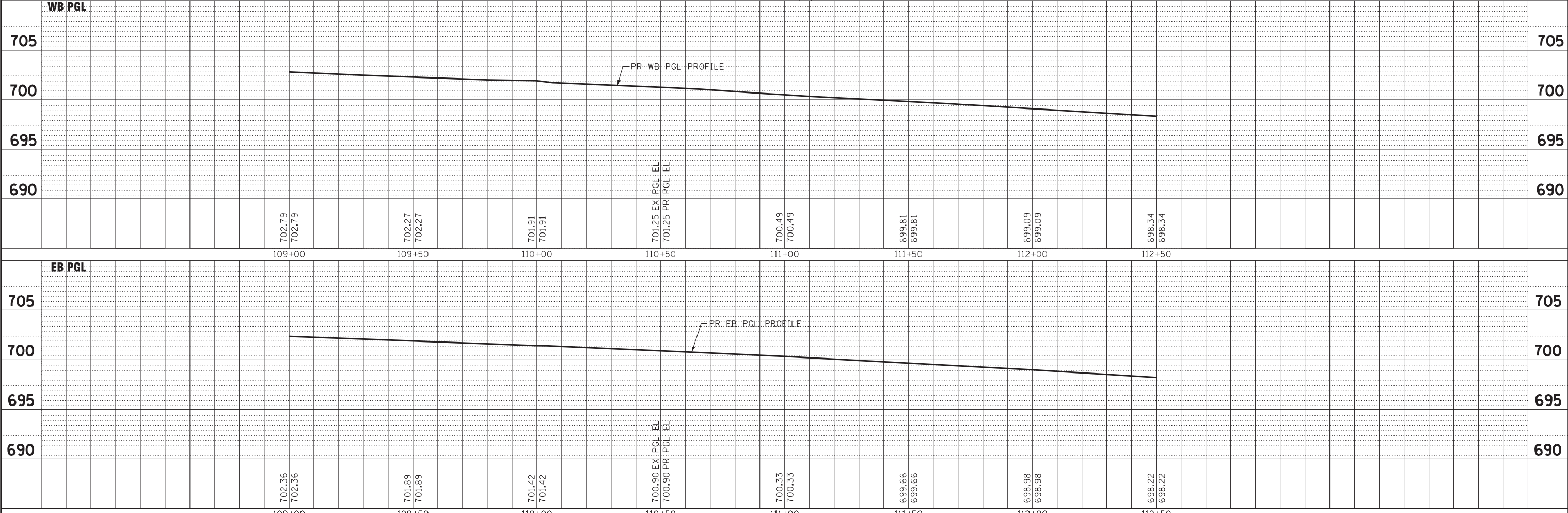
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347	(CY&543R)TS(14)	DUPAGE	110	36
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	

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IL RTE 38

(ROOSEVELT ROAD)



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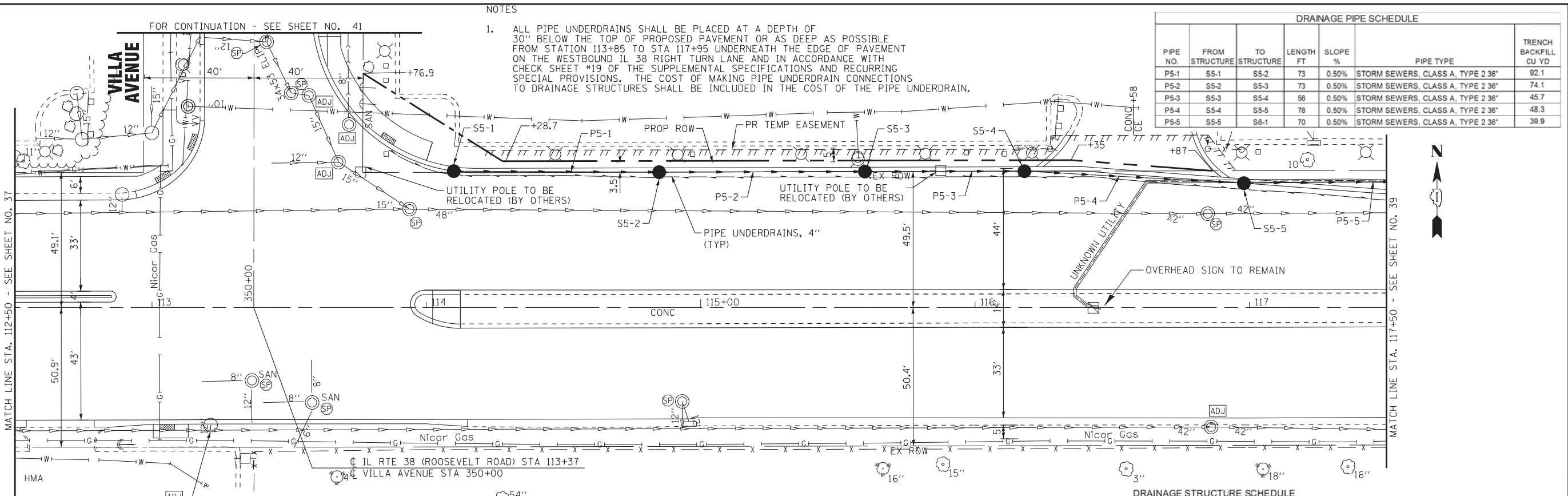
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: H: 1"=20' V: 1"=5' STA. 109+00 TO STA. 112+50

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 37
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	

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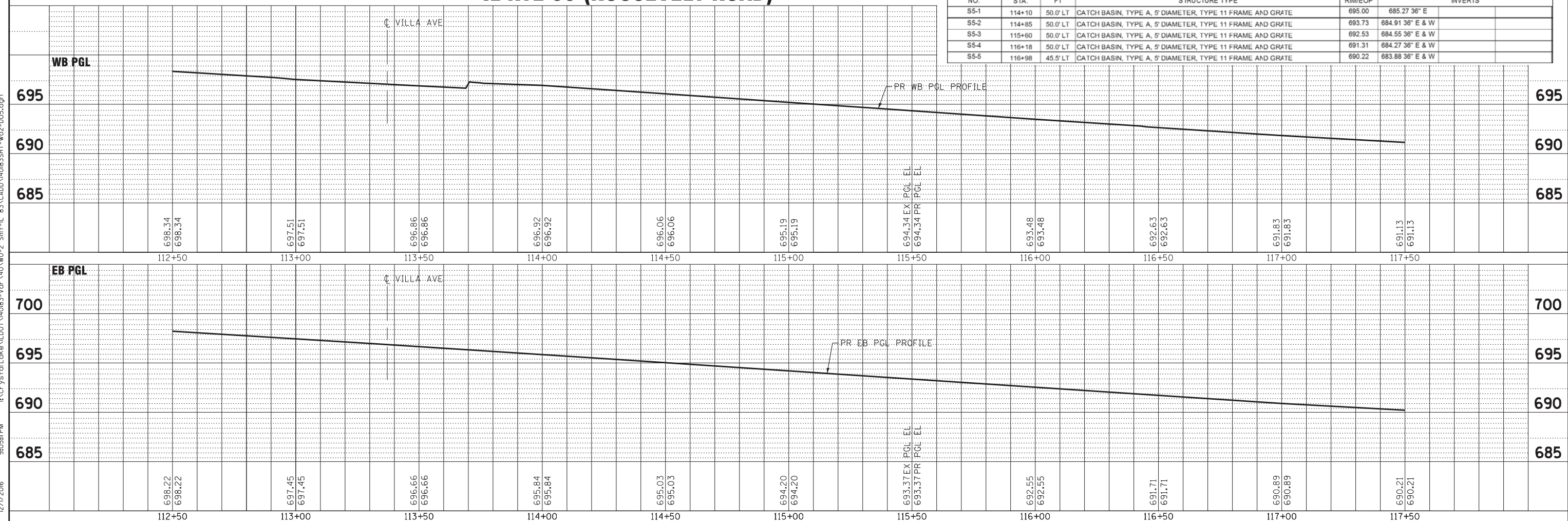
NOTES

- ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE FROM STATION 113+85 TO STA 117+95 UNDERNEATH THE EDGE OF PAVEMENT ON THE WESTBOUND IL 38 RIGHT TURN LANE AND IN ACCORDANCE WITH CHECK SHEET #19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAIN.

DRAINAGE PIPE SCHEDULE						
PIPE NO.	FROM STRUCTURE	TO STRUCTURE	LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
P5-1	S5-1	S5-2	73	0.50%	STORM SEWERS, CLASS A, TYPE 2 36"	92.1
P5-2	S5-2	S5-3	73	0.50%	STORM SEWERS, CLASS A, TYPE 2 36"	74.1
P5-3	S5-3	S5-4	56	0.50%	STORM SEWERS, CLASS A, TYPE 2 36"	45.7
P5-4	S5-4	S5-5	78	0.50%	STORM SEWERS, CLASS A, TYPE 2 36"	48.3
P5-5	S5-5	S8-1	70	0.50%	STORM SEWERS, CLASS A, TYPE 2 36"	39.9

IL RTE 38 (ROOSEVELT ROAD)

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S5-1	114+10	50.0' LT	CATCH BASIN, TYPE A, 5' DIAMETER, TYPE 11 FRAME AND GRATE	695.00	685.27 36" E
S5-2	114+85	50.0' LT	CATCH BASIN, TYPE A, 5' DIAMETER, TYPE 11 FRAME AND GRATE	693.73	684.91 36" E & W
S5-3	115+60	50.0' LT	CATCH BASIN, TYPE A, 5' DIAMETER, TYPE 11 FRAME AND GRATE	692.53	684.55 36" E & W
S5-4	116+18	50.0' LT	CATCH BASIN, TYPE A, 5' DIAMETER, TYPE 11 FRAME AND GRATE	691.31	684.27 36" E & W
S5-5	116+98	45.5' LT	CATCH BASIN, TYPE A, 5' DIAMETER, TYPE 11 FRAME AND GRATE	690.22	683.88 36" E & W



DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-DU5.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES IL RTE 38 (ROOSEVELT ROAD)

SCALE: H: 1"=20' V: 1"=5' STA. 112+50 TO STA. 117+50

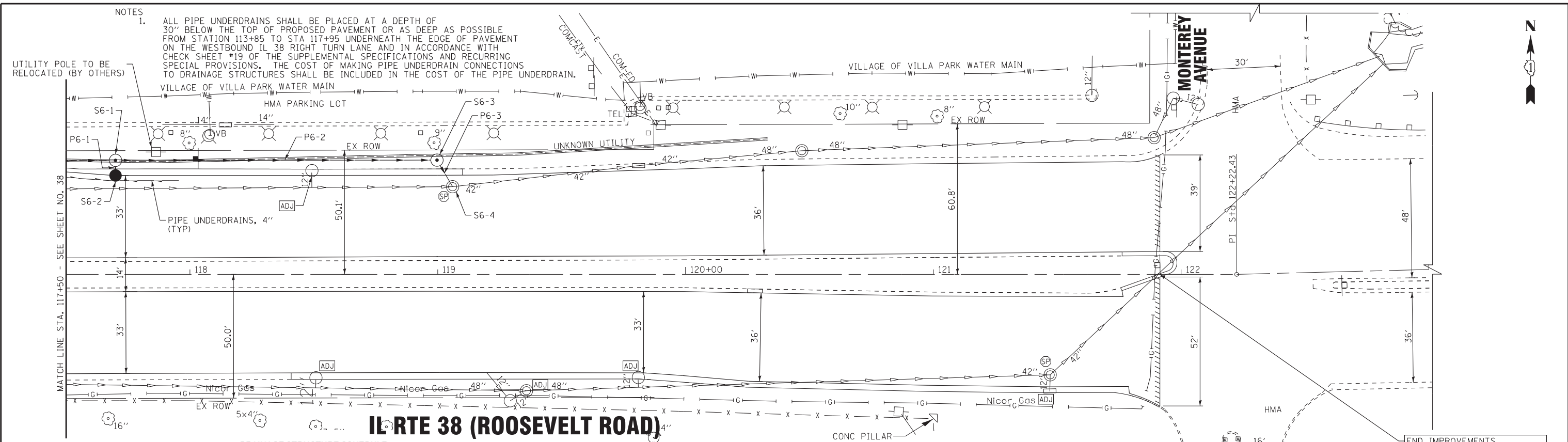
F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY	TOTAL SHEETS 110	SHEET NO. 38
FED. ROAD DIST. NO. 1 ILLINOIS		DUPAGE	CONTRACT NO. 60X87	



NOTES
1.

ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE FROM STATION 113+85 TO STA 117+95 UNDERNEATH THE EDGE OF PAVEMENT ON THE WESTBOUND IL 38 RIGHT TURN LANE AND IN ACCORDANCE WITH CHECK SHEET #19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAIN.

UTILITY POLE TO BE RELOCATED (BY OTHERS)



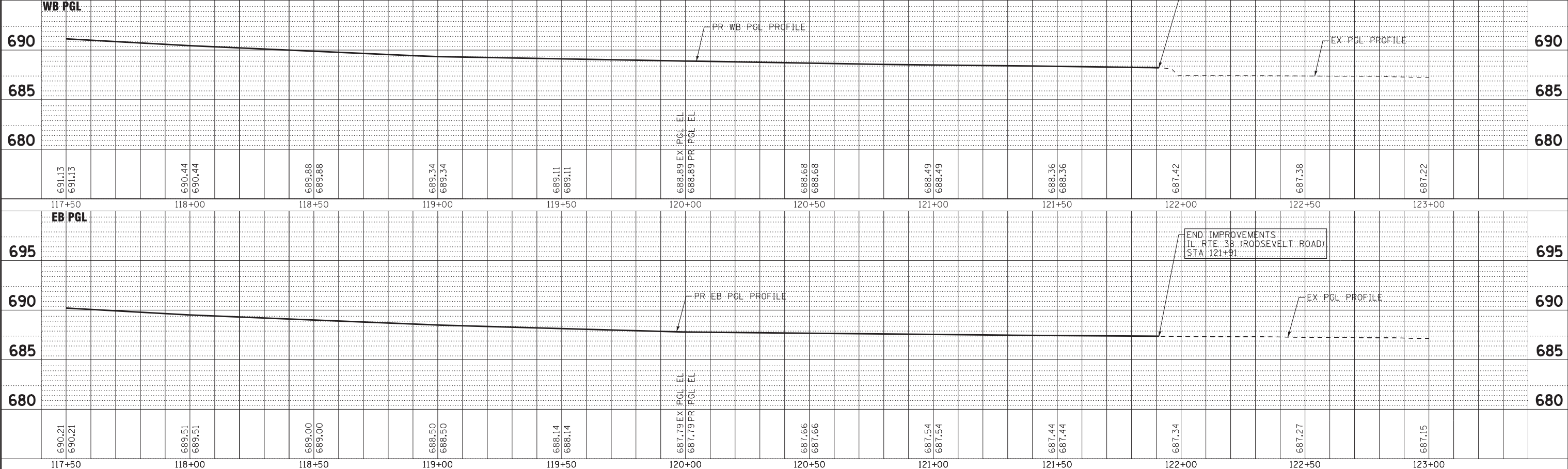
IL RTE 38 (ROOSEVELT ROAD)

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS	
S6-1	117+70	46.1' LT	MANHOLE, TYPE A, 6" DIAMETER, TYPE 1 FRAME, CLOSED LID	690.20	683.53 36" E & W	686.11 12" S
S6-2	117+70	40.0' LT	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	689.46	686.19 12" N	
S6-3	119+00	46.1' LT	MANHOLE, TYPE A, 6" DIAMETER, TYPE 1 FRAME, CLOSED LID	688.40	682.89 36" W	682.89 12" SE
S6-4	119+06	35.4' LT	EXISTING MANHOLE	688.71	682.70 12" NW	680.85 EX 42" E 680.85 EX 42" W

DRAINAGE PIPE SCHEDULE

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
P6-1	S6-2	S6-1	4	2.00%	STORM SEWERS, CLASS A, TYPE 1 12"	0.6
P6-2	S6-1	S6-3	128	0.50%	STORM SEWERS, CLASS A, TYPE 1 36"	41.1
P6-3	S6-3	S6-4	10	2.00%	STORM SEWERS, CLASS A, TYPE 1 12"	2.9



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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-DU6.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

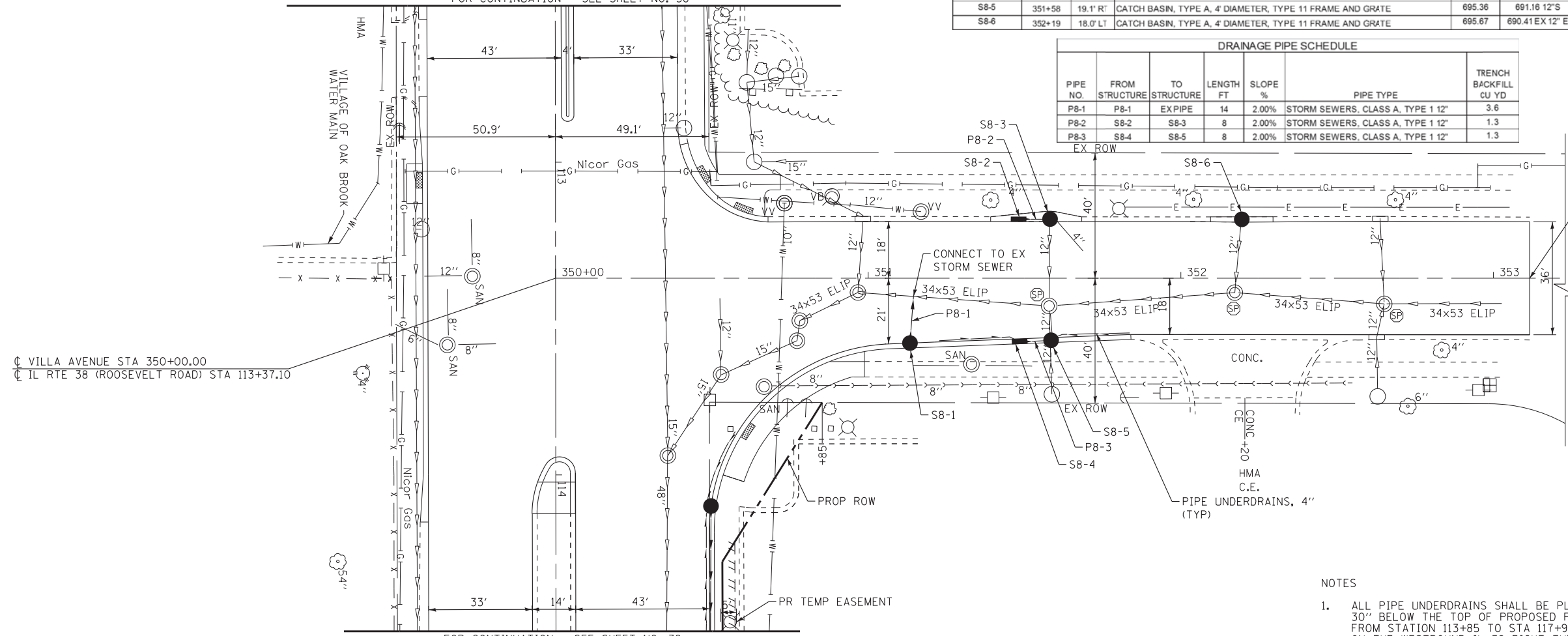
**DRAINAGE AND UTILITIES
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: H: 1"=20' V: 1"=5'
STA. 117+50 TO STA. 123+00

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 39
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60X87	

**IL RTE 38
(ROOSEVELT ROAD)**

FOR CONTINUATION - SEE SHEET NO. 38



CL VILLA AVENUE STA 350+00.00
CL IL RTE 38 (ROOSEVELT ROAD) STA 113+37.10

IL RTE 38 (ROOSEVELT ROAD)

FOR CONTINUATION - SEE SHEET NO. 38

VILLA AVENUE

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RM/EOP	INVERTS	
S8-1	351+13	21.0' RT	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	695.56	691.56 12" W	
S8-2	351+48	18.0' LT	INLET, TYPE A, TYPE 11 FRAME AND GRATE	695.43	691.38 12" N	
S8-3	351+58	18.0' LT	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	695.39	691.22 12" S	689.73 EX 12" E 691.83 EX 4" NE
S8-4	351+48	19.5' RT	INLET, TYPE A, TYPE 11 FRAME AND GRATE	695.33	691.32 12" N	
S8-5	351+58	19.1' RT	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	695.36	691.16 12" S	689.57 EX 12" E 689.57 EX 12" W
S8-6	352+19	18.0' LT	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	695.67	690.41 EX 12" E	

DRAINAGE PIPE SCHEDULE

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
P8-1	P8-1	EX PIPE	14	2.00%	STORM SEWERS, CLASS A, TYPE 12"	3.6
P8-2	S8-2	S8-3	8	2.00%	STORM SEWERS, CLASS A, TYPE 12"	1.3
P8-3	S8-4	S8-5	8	2.00%	STORM SEWERS, CLASS A, TYPE 12"	1.3



END IMPROVEMENTS
VILLA AVENUE
STA 353+12

NOTES

- ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE FROM STATION 113+85 TO STA 117+95 UNDERNEATH THE EDGE OF PAVEMENT ON THE WESTBOUND IL 38 RIGHT TURN LANE AND IN ACCORDANCE WITH CHECK SHEET #19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAIN.

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 in Crystal Lake\LDOT\140183-wo2-Villa-DU8.dgn



DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-Villa-DU8.dgn

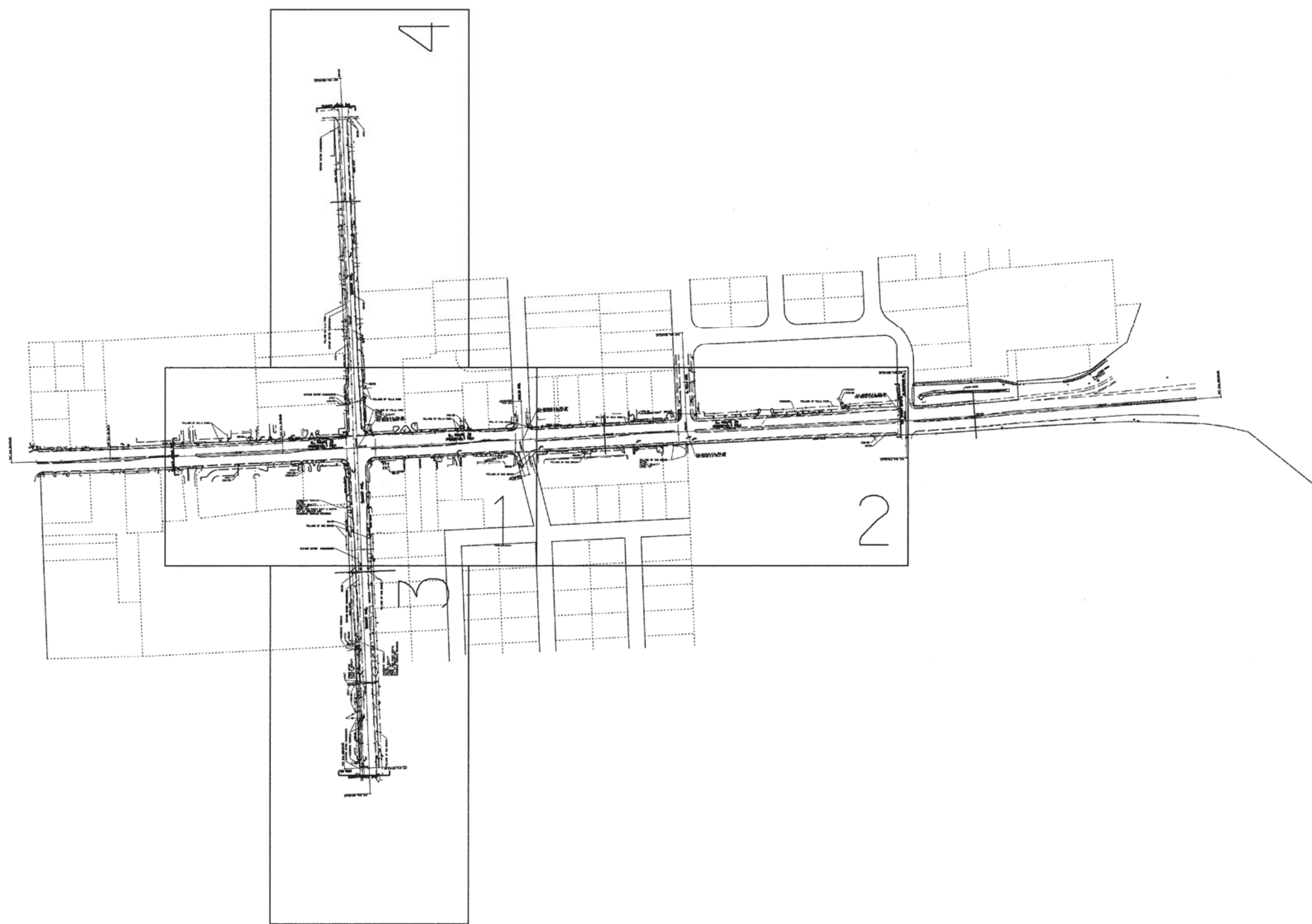
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES
VILLA AVENUE**

SCALE: H: 1"=20' V: 1"=5'

STA. 350+00 TO STA. 353+11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	41
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

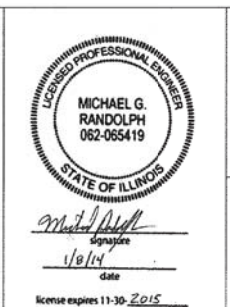



— A — A — A —	AERIAL
— — — — —	UNKNOWN
— O — O — O —	OIL
— CTV — CTV — CTV —	CABLE TV
— T — T — T —	TELEPHONE
— G — G — G —	GAS
— E — E — E —	ELECTRIC
— W — W — W —	WATER
— FO — FO — FO —	FIBER OPTIC
⊙	TBE TEST HOLE


UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
DUPAGE WATER COMMISSION - WATER	
NICOR - GAS	
OAKBROOK TERRACE - WATER	
UNKNOWN - UNKNOWN	
VILLAGE OF OAK BROOK - WATER	
VILLAGE OF VILLA PARK - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 10/31/14 through 12/16/14. Changes to utilities after 12/16/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.







CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 clausenwhite@cwasurevey.com

TBE Job No. IL09510635
SUE Plan Page: Cover

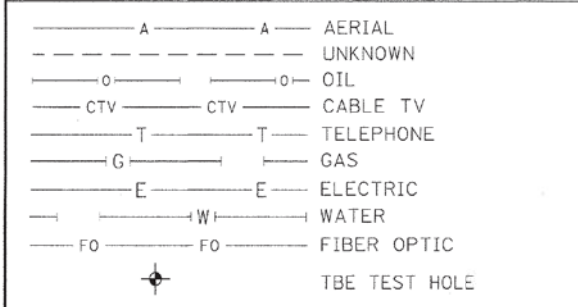
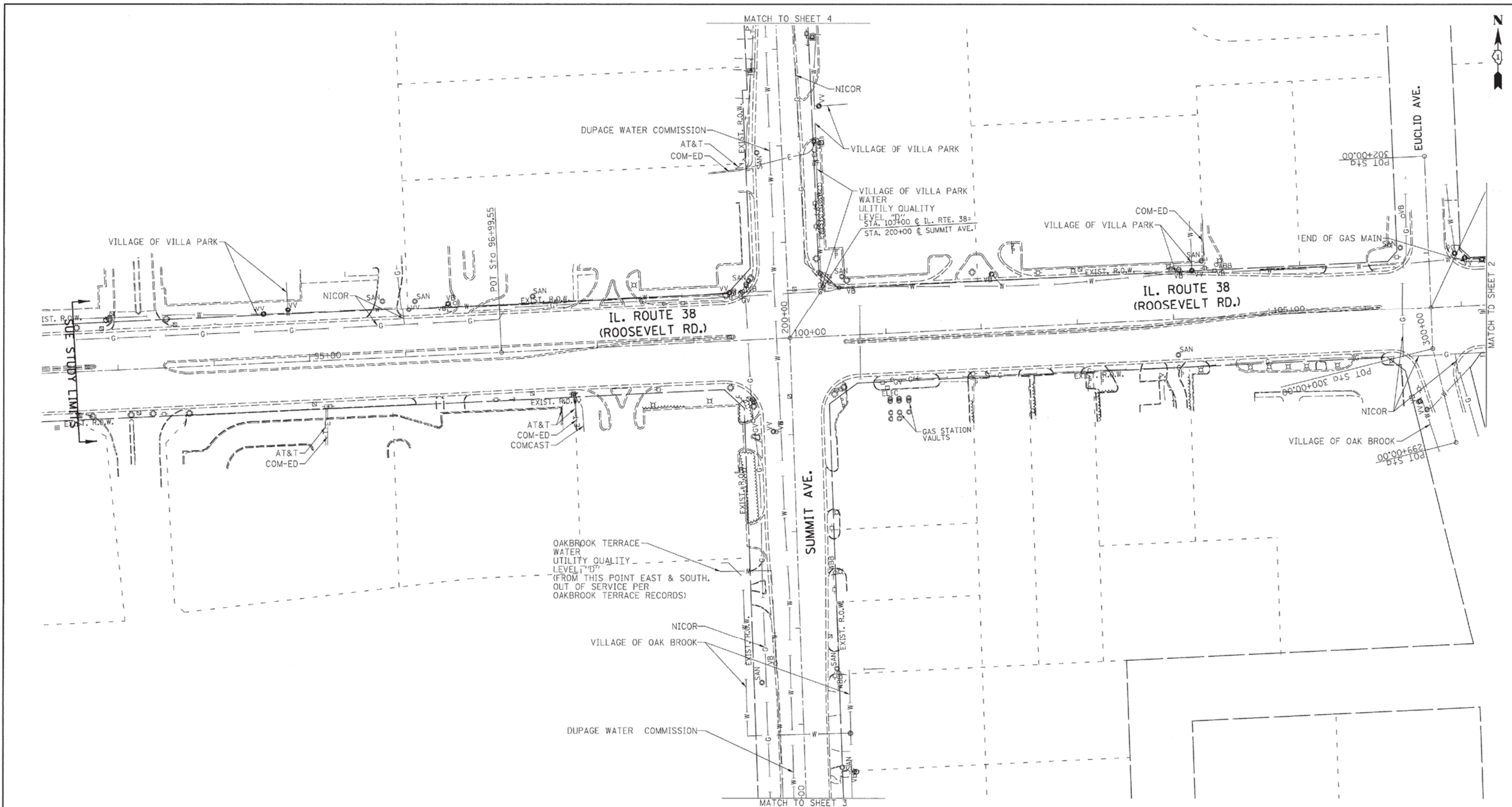
Utility Quality Level "A" : Visually Verified Test Hole
 Utility Quality Level "B" : Designating/non Visually Verified Test Hole
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	1/5/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 38 from Summit Ave. to IL 83
Villa Park, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	N/A	DuPage	110	42
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60X87	



UTILITY OWNERS	
AT&T - FIBER OPTIC	AT&T - TELEPHONE
COM-ED - ELECTRIC	COMCAST - CABLE TV
DUPAGE WATER COMMISSION - WATER	NICOR - GAS
OAKBROOK TERRACE - WATER	UNKNOWN - UNKNOWN
VILLAGE OF OAK BROOK - WATER	VILLAGE OF VILLA PARK - WATER

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1/8/14
date
license expires 11-30-2015

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LAND SURVEYORS
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(815) 744-3720 clausenwhitecasurvey.com
TBE Job No. IL09510635
SUE Plan Page: 1 of 4

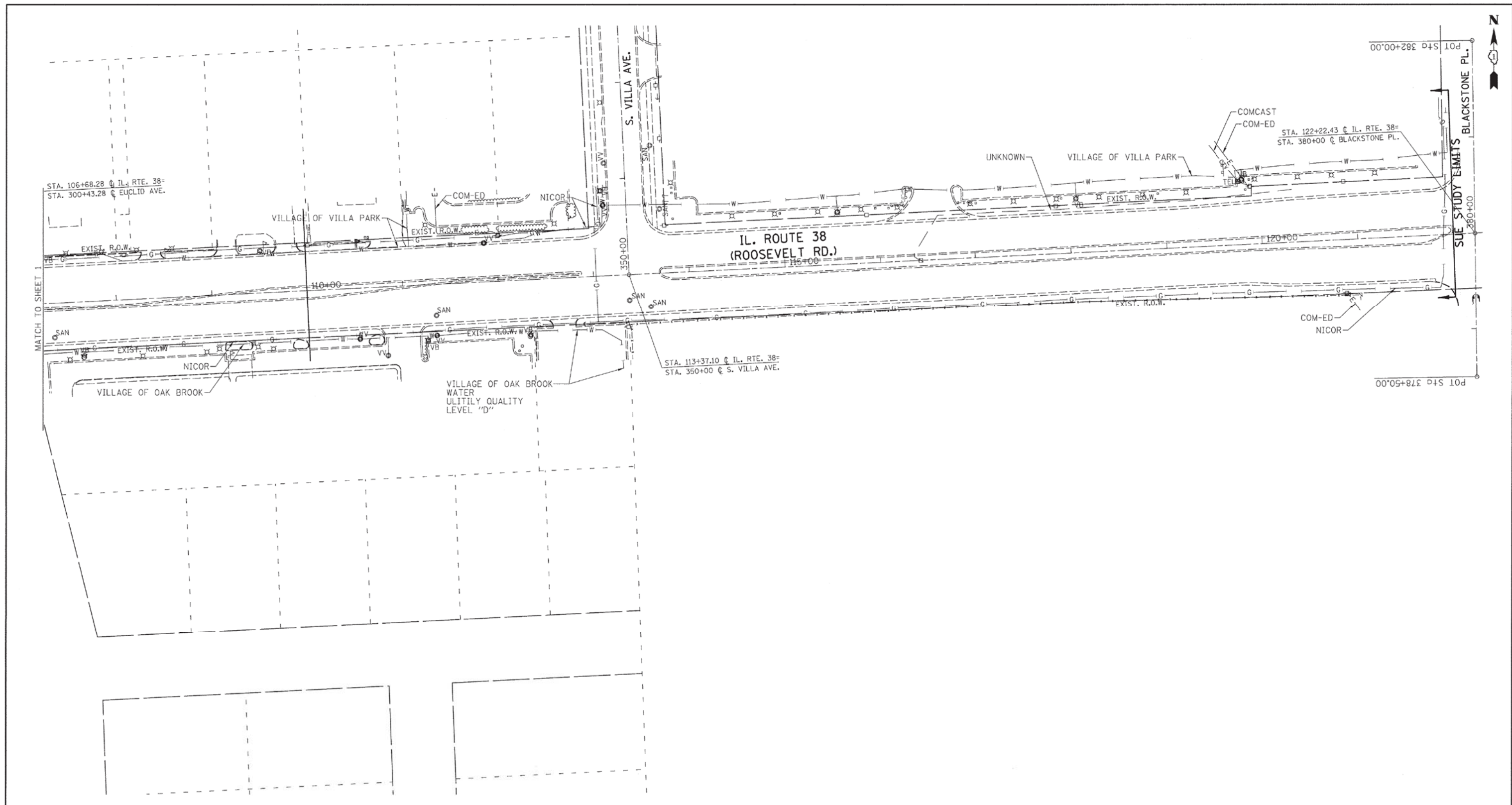
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	1/5/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 38 from Summit Ave. to IL 83
Villa Park, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	N/A	DuPage	110	43
Contract No. 60X87				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				

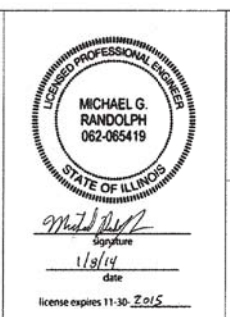


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊙	TBE TEST HOLE

UTILITY OWNERS	
AT&T -	FIBER OPTIC
AT&T -	TELEPHONE
COM-ED -	ELECTRIC
COMCAST -	CABLE TV
DUPAGE WATER COMMISSION -	WATER
NICOR -	GAS
OAKBROOK TERRACE -	WATER
UNKNOWN -	UNKNOWN
VILLAGE OF OAK BROOK -	WATER
VILLAGE OF VILLA PARK -	WATER

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 (815) 744-3720 clausenwhite@cwasurevey.com

TBE Job No. IL09510635
 SUE Plan Page: 2 of 4

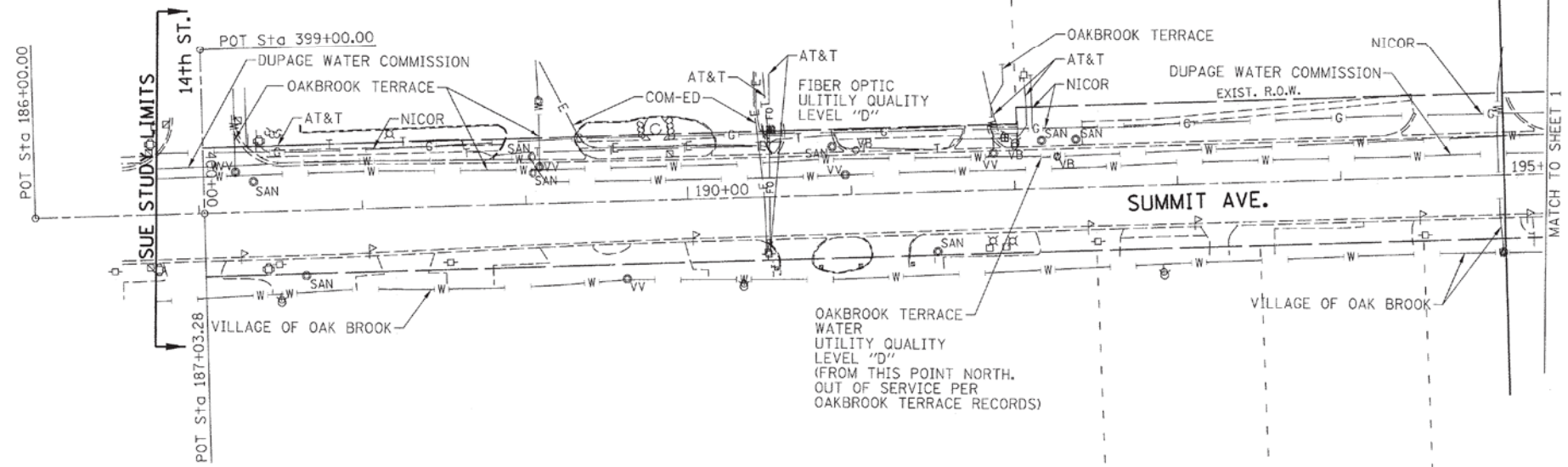
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 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED	
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	1/5/15	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 38 from Summit Ave. to IL 83
Villa Park, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	N/A	DuPage	110	44
Contract No. 60X87				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

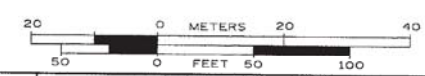


— A — A —	AERIAL
— O — O —	UNKNOWN
— CTV — CTV —	OIL
— T — T —	CABLE TV
— G — G —	TELEPHONE
— E — E —	GAS
— W — W —	ELECTRIC
— FO — FO —	WATER
⊕	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
DUPAGE WATER COMMISSION - WATER	
NICOR - GAS	
OAKBROOK TERRACE - WATER	
UNKNOWN - UNKNOWN	
VILLAGE OF OAK BROOK - WATER	
VILLAGE OF VILLA PARK - WATER	

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 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
 (815) 744-3720 claassenwhite@cwasurevey.com

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 Utility Quality Level "B" : Designating/non Visually Verified Test Hole
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

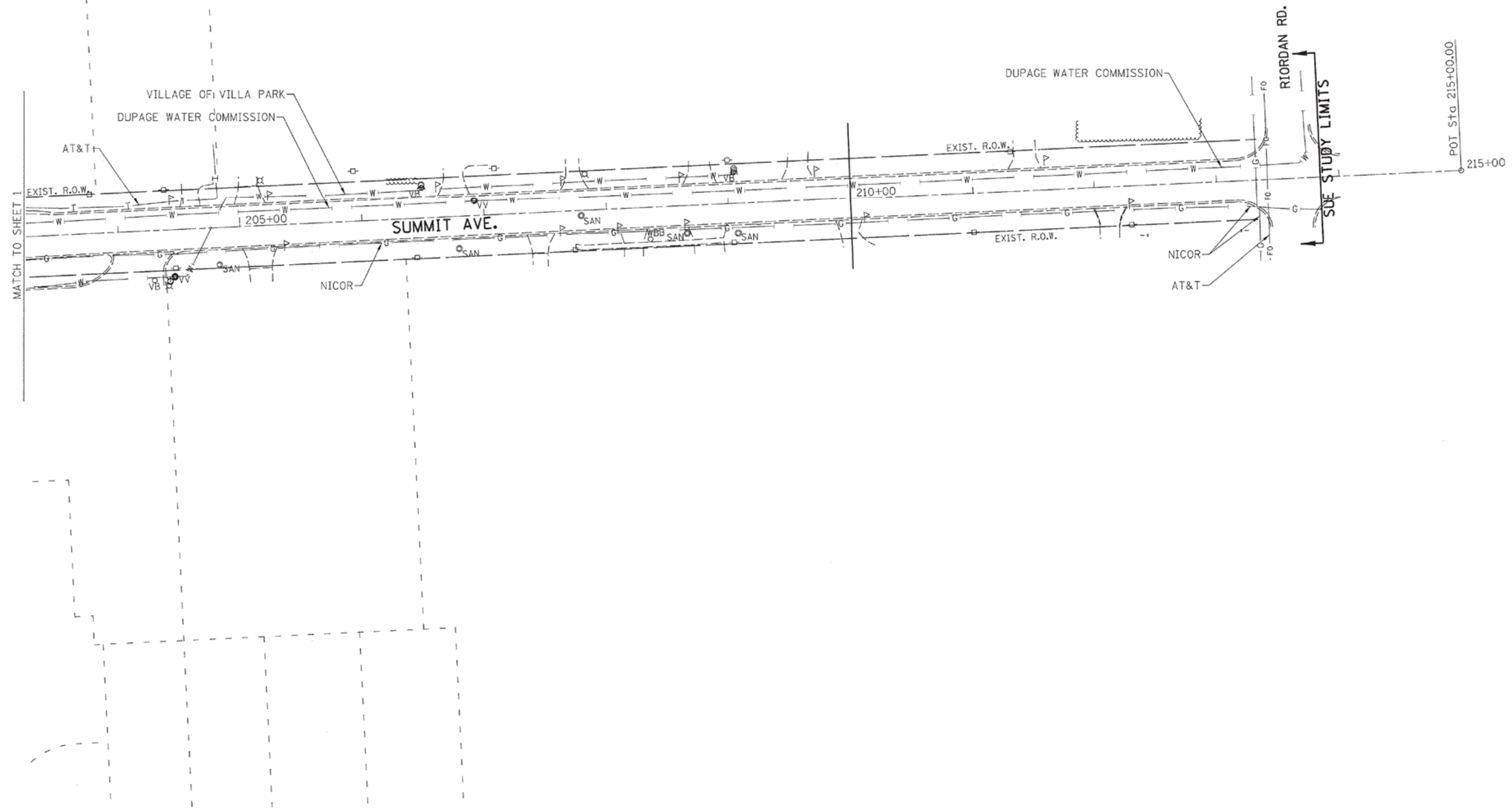
DESIGNED MS	REVISION
DRAWN SRK	REVISION
CHECKED MGR	REVISION
DATE 1/5/15	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 38 from Summit Ave. to IL 83
Villa Park, Illinois

F.A.P. RTE. 347	SECTION N/A	COUNTY DuPage	TOTAL SHEETS 110	SHEET NO. 45
Contract No. 60X87				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

TBE Job No. 1109510635
 SUE Plan Page: 3 of 4

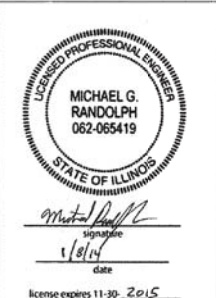
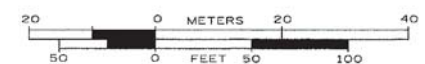


— A —	A	AERIAL
- - -		UNKNOWN
— O —	O	OIL
— CTV —	CTV	CABLE TV
— T —	T	TELEPHONE
— G —	G	GAS
— E —	E	ELECTRIC
— W —	W	WATER
— FO —	FO	FIBER OPTIC
⊙		TBE TEST HOLE

UTILITY OWNERS	
AT&T	- FIBER OPTIC
AT&T	- TELEPHONE
COM-ED	- ELECTRIC
COMCAST	- CABLE TV
DUPAGE WATER COMMISSION	- WATER
NICOR	- GAS
OAKBROOK TERRACE	- WATER
UNKNOWN	- UNKNOWN
VILLAGE OF OAK BROOK	- WATER
VILLAGE OF VILLA PARK	- WATER

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LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 clausserwhite@cwasurevey.com

TBE Job No. IL09510635
SUE Plan Page: 4 of 4

Utility Quality Level "A": Visually Verified Test Hole	DESIGNED MS	REVISED
Utility Quality Level "B": Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED
Utility Quality Level "C": Research with Survey	CHECKED MGR	REVISED
Utility Quality Level "D": Records Research	DATE 1/5/15	REVISED

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

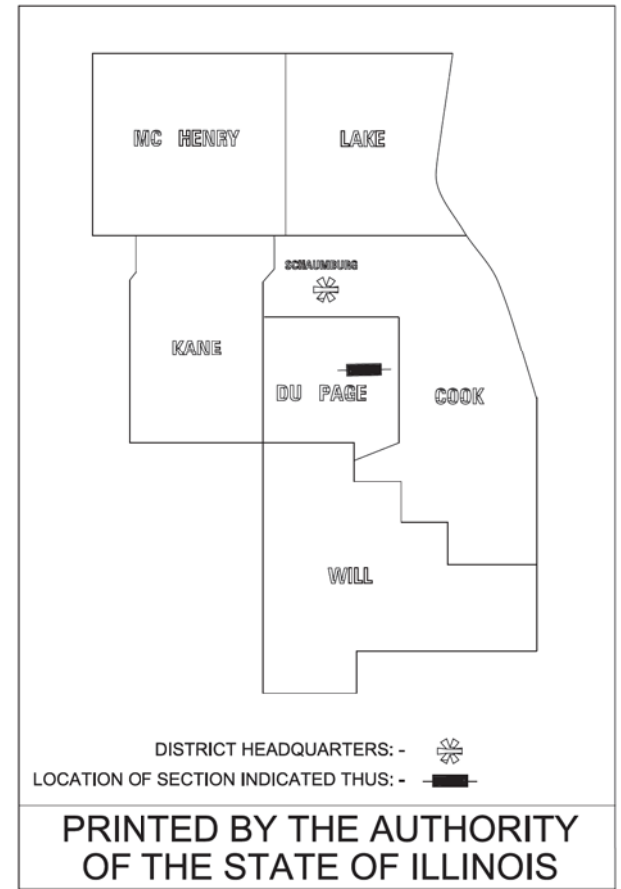
IL 38 from Summit Ave. to IL 83
Villa Park, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	N/A	DuPage	110	46
Contract No. 60X87				

FED. ROAD DIST. NO.	ILLINOIS IDOT Project No.
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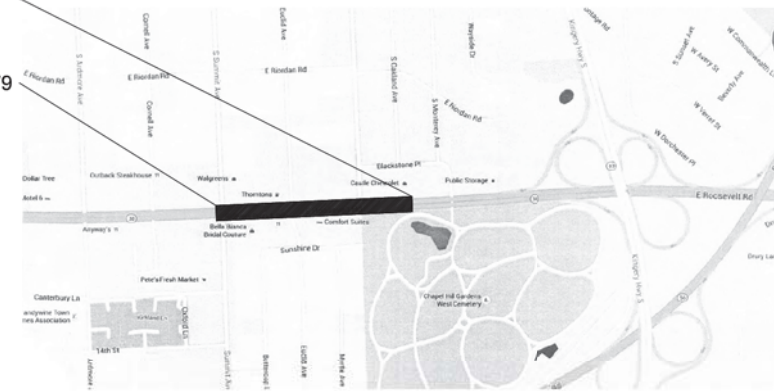
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS

ROUTE: ILLINOIS ROUTE 38 (ROOSEVELT ROAD)
COUNTY: DUPAGE
LIMITS: AT SUMMIT AVENUE
JOB NO.: R-91-046-13



ENDING STATION 116+95.00

BEGINNING STATION 97+82.79



LOCATION MAP

PROJECT LENGTH = 1,912.21 FT. = 0.362 MILE

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1L50001TE	ALEXAKIS VILLA PARK, LLC, A LIMITED LIABILITY COMPANY	2	
1L50002 1L50002TE	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO AMALGAMATED BANK OF CHICAGO AS TRUSTEE UNDER TRUST AGREEMENT DATED APRIL 30, 1996 KNOWN AS TRUST NO. 5703	3	
1L50003 1L50003TE	THORNTON OIL CORPORATION	4	
1L50004TE-A 1L50004TE-B 1L50004TE-C	DARRELL L. GROENEWOLD AND JANICE E. GROENEWOLD, IN JOINT TENANCY	5	DELETED
1L50005 1L50005TE	YORK ROAD LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	6	
1L50006TE	CHICAGO OAKBROOK PROPERTY PROJECT, A GENERAL PARTNERSHIP	7	DELETED
1L50007TE	OAKBROOK ENTERPRISES, LLC, A LIMITED LIABILITY COMPANY	7	DELETED
1L50008TE	WESTERN SPRINGS NATIONAL BANK & TRUST, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 8TH DAY OF APRIL, 1996, AND KNOWN AS TRUST NUMBER 3537	8	DELETED
1L50009TE-A 1L50009TE-B	7 ELEVEN, INC., SUCCESSOR TO THE SOUTHLAND CORPORATION, A TEXAS CORPORATION	9	DELETED
1L50010	17W621 ROOSEVELT LLC	9	

IDOT USE ONLY

REVISION DATE: ___/___/___ REVISION MADE BY: _____

"FOR INFORMATION ONLY"

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BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAT OF HIGHWAYS

SCALE: _____ STA. TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	47
CONTRACT NO. 60X87			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

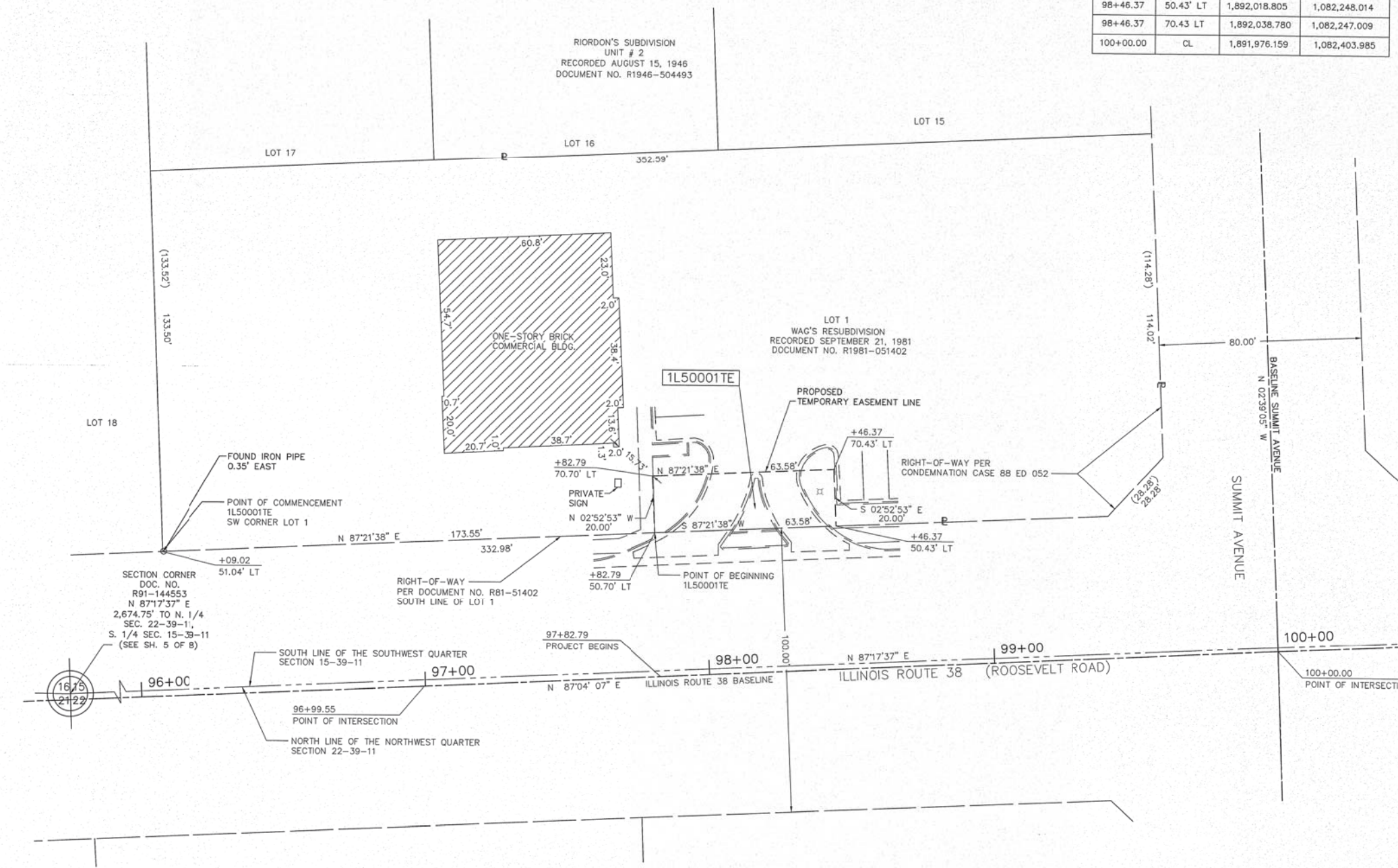
PART OF THE SOUTHWEST QUARTER OF SECTION 15, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.

COORDINATE TABLE ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)			
STATION	OFFSET	NORTH	EAST
96+09.02	51.04' LT	1,892,007.884	1,082,011.137
96+99.55	CL	1,891,961.055	1,082,103.913
97+82.79	CL	1,891,965.240	1,082,187.050
97+82.78	50.70' LT	1,892,015.877	1,082,184.501
97+82.78	70.70' LT	1,892,035.851	1,082,183.496
98+46.37	50.43' LT	1,892,018.805	1,082,248.014
98+46.37	70.43' LT	1,892,038.780	1,082,247.009
100+00.00	CL	1,891,976.159	1,082,403.985

LEGEND

SECTION CORNER (9 10 16 15) QUARTER SECTION CORNER (16 15)

129.32' (129.32) GRAPHIC SCALE FEET 0 20 SCALE: 1" = 20'



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT-OF-WAY. SET POSITION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, FLUIDCLARITY LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.003912), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 OAK PARK, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1L50001TE	1.079			1.079	0.029	06-15-305-034

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FLUIDCLARITY LTD.
1144 W. LAKE ST., STE 303
OAK PARK, IL 60301

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
SECTION: JOB NO.: R-91-046-13
STA. 98+99.36 TO STA. 99+59.11
SCALE: 1"=20' SHEET 2 OF 11 SHEETS

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

REVISION DATE: ___/___/___ REVISION MADE BY: _____

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-00121 - EXPIRES 4/30/2015
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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	48
				CONTRACT NO. 60X87
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

"FOR INFORMATION ONLY"

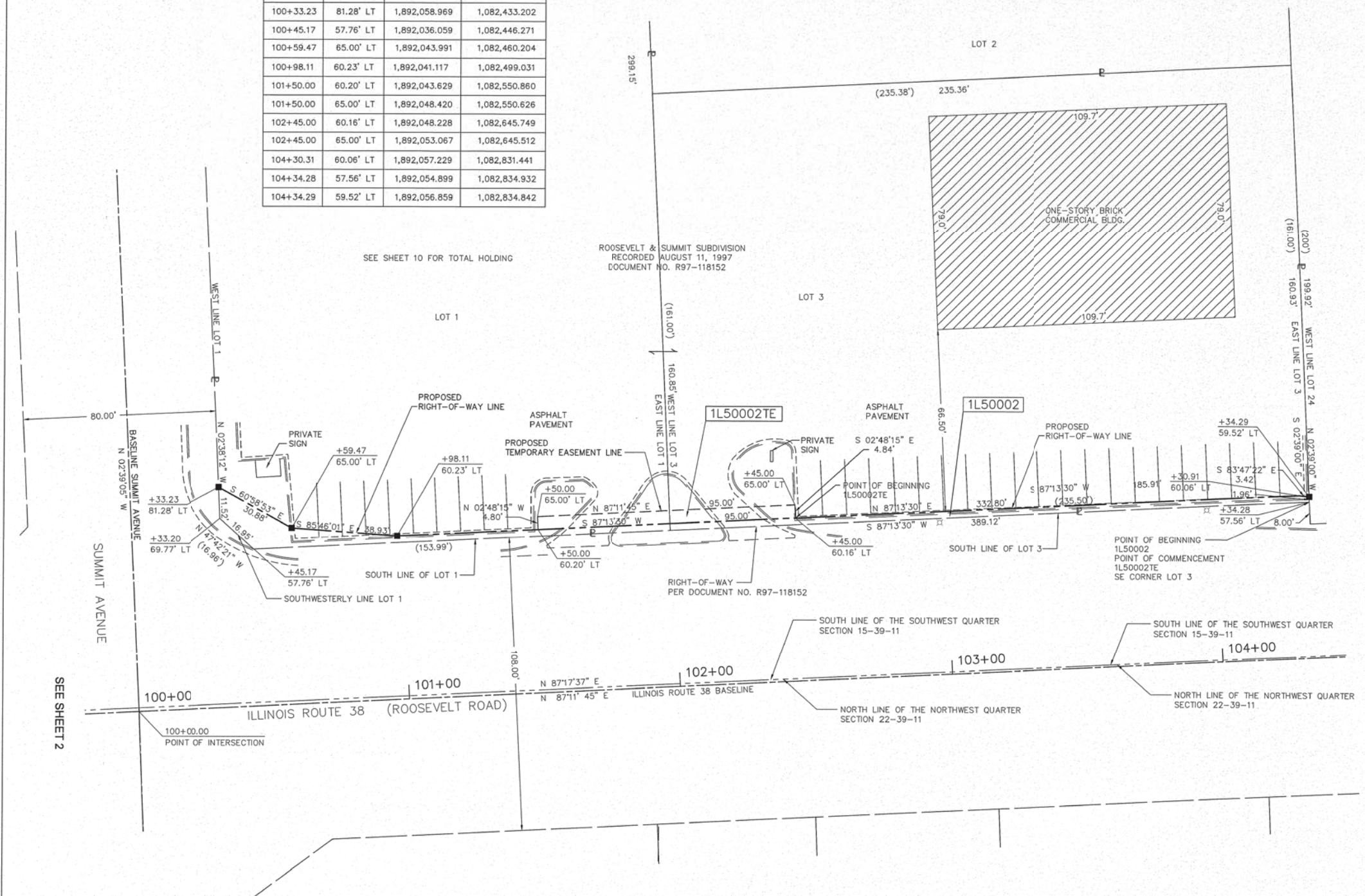
PART OF THE SOUTHWEST QUARTER SECTION 15, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.

COORDINATE TABLE ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)			
STATION	OFFSET	NORTH	EAST
100+33.20	69.77' LT	1,892,047.466	1,082,433.732
100+33.23	81.28' LT	1,892,058.969	1,082,433.202
100+45.17	57.76' LT	1,892,036.059	1,082,446.271
100+59.47	65.00' LT	1,892,043.991	1,082,460.204
100+98.11	60.23' LT	1,892,041.117	1,082,499.031
101+50.00	60.20' LT	1,892,043.629	1,082,550.860
101+50.00	65.00' LT	1,892,048.420	1,082,550.626
102+45.00	60.16' LT	1,892,048.228	1,082,645.749
102+45.00	65.00' LT	1,892,053.067	1,082,645.512
104+30.31	60.06' LT	1,892,057.229	1,082,831.441
104+34.28	57.56' LT	1,892,054.899	1,082,834.932
104+34.29	59.52' LT	1,892,056.859	1,082,834.842

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 EXISTING CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 CURB & GUTTER
 EDGE OF PAVEMENT
 SIDEWALK
 129.32' MEASURED DIMENSION
 (129.32) RECORDED DIMENSION
 EXISTING BUILDING
 LIGHT POLE
 IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 "MAG" NAIL SET
 5 / 8" REBAR SET
 STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT-OF-WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE
 FEET
 0 20
 SCALE: 1" = 20'



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFER TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998962584.

AREAS SHOWN ON PLAT ARE GROUND.

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, FLUIDCLARITY LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.003912), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 OAK PARK, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1L50002	2.611	0.031		2.580	0.011	06-15-306-035
1L50002TE						06-15-306-037

FLUIDCLARITY LTD.
 1144 W. LAKE ST., STE 303
 OAK PARK, IL 60301

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
 SECTION: JOB NO.: R-91-046-13
 STA. 100+33.20 TO STA. 104+34.29
 SCALE: 1"=20' SHEET 3 OF 11 SHEETS

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

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CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: _____ STA. TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	49
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

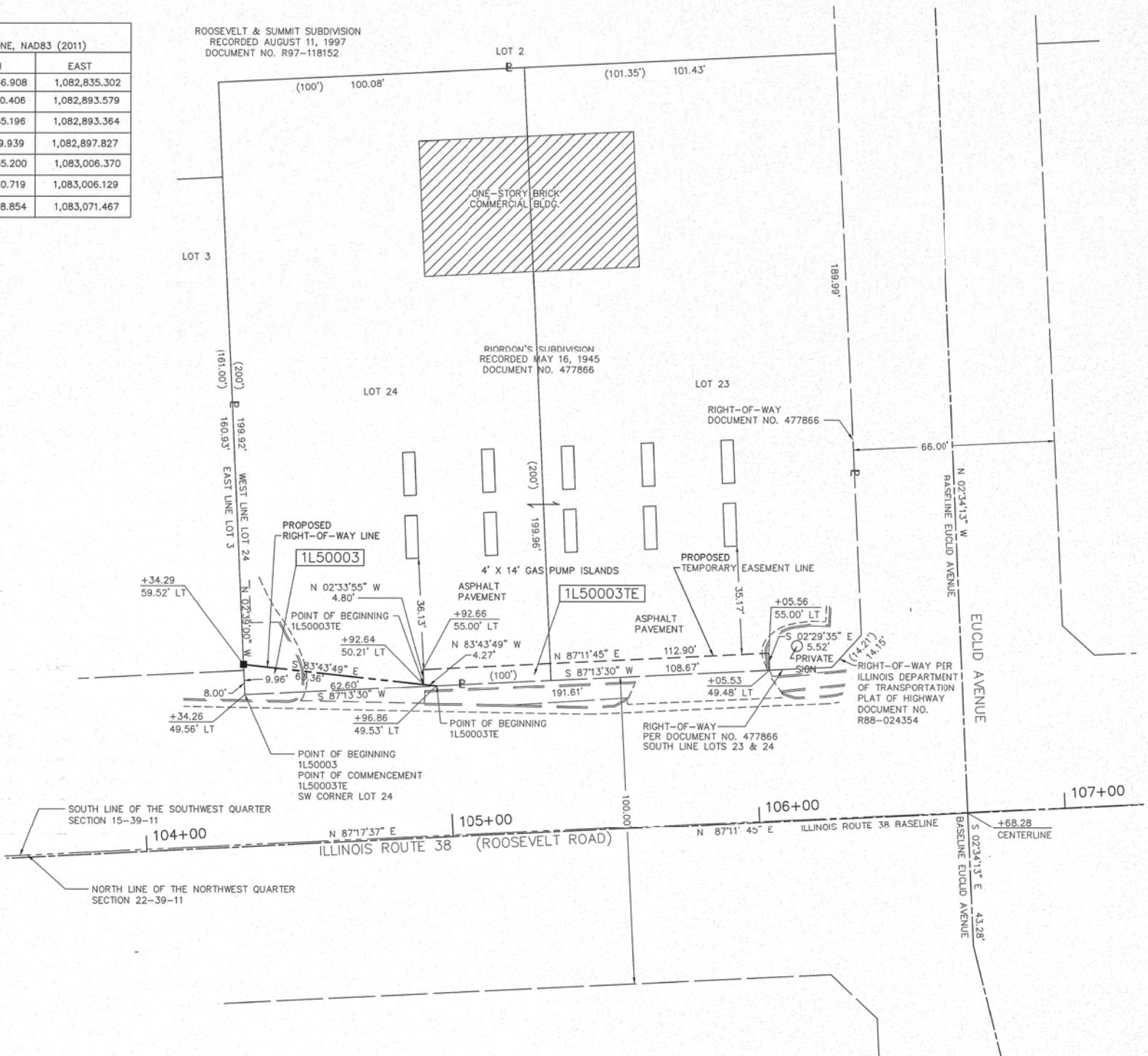
"FOR INFORMATION ONLY"

PART OF THE SOUTHWEST QUARTER SECTION 15, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.

COORDINATE TABLE
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

STATION	OFFSET	NORTH	EAST
104+34.26	49.56' LT	1,892,046.908	1,082,835.302
104+92.64	50.21' LT	1,892,050.406	1,082,893.579
104+92.66	55.00' LT	1,892,055.196	1,082,893.364
104+96.86	55.00' LT	1,892,049.939	1,082,897.827
106+05.53	49.48' LT	1,892,055.200	1,083,006.370
106+05.56	55.00' LT	1,892,060.719	1,083,006.129
106+68.28	CL	1,892,008.854	1,083,071.467

ROOSEVELT & SUMMIT SUBDIVISION
RECORDED AUGUST 11, 1997
DOCUMENT NO. R97-118152



LEGEND

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
EXISTING CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
CURB & GUTTER
EDGE OF PAVEMENT
SIDEWALK
MEASURED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING
LIGHT POLE

GRAPHIC SCALE
FEET
SCALE: 1" = 20'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- ⊕ CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, FLUIDCLARITY LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.003912), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 OAK PARK, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FLUIDCLARITY LTD.
1144 W. LAKE ST., STE 303
OAK PARK, IL 60301

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
SECTION: JOB NO.: R-91-046-13
STA. 104+34.26 TO STA. 104+58.77
SCALE: 1"=20' SHEET 4 OF 11 SHEETS

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

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1L50003	0.924	0.007 (312 S.F.)		0.917	0.014	06-15-306-029
1L50003TE						

REVISION DATE: ___/___/___ REVISION MADE BY: _____

SEE SHEET 5

SEE SHEET 3

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BAXTER & WOODMAN
Consulting Engineers

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DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

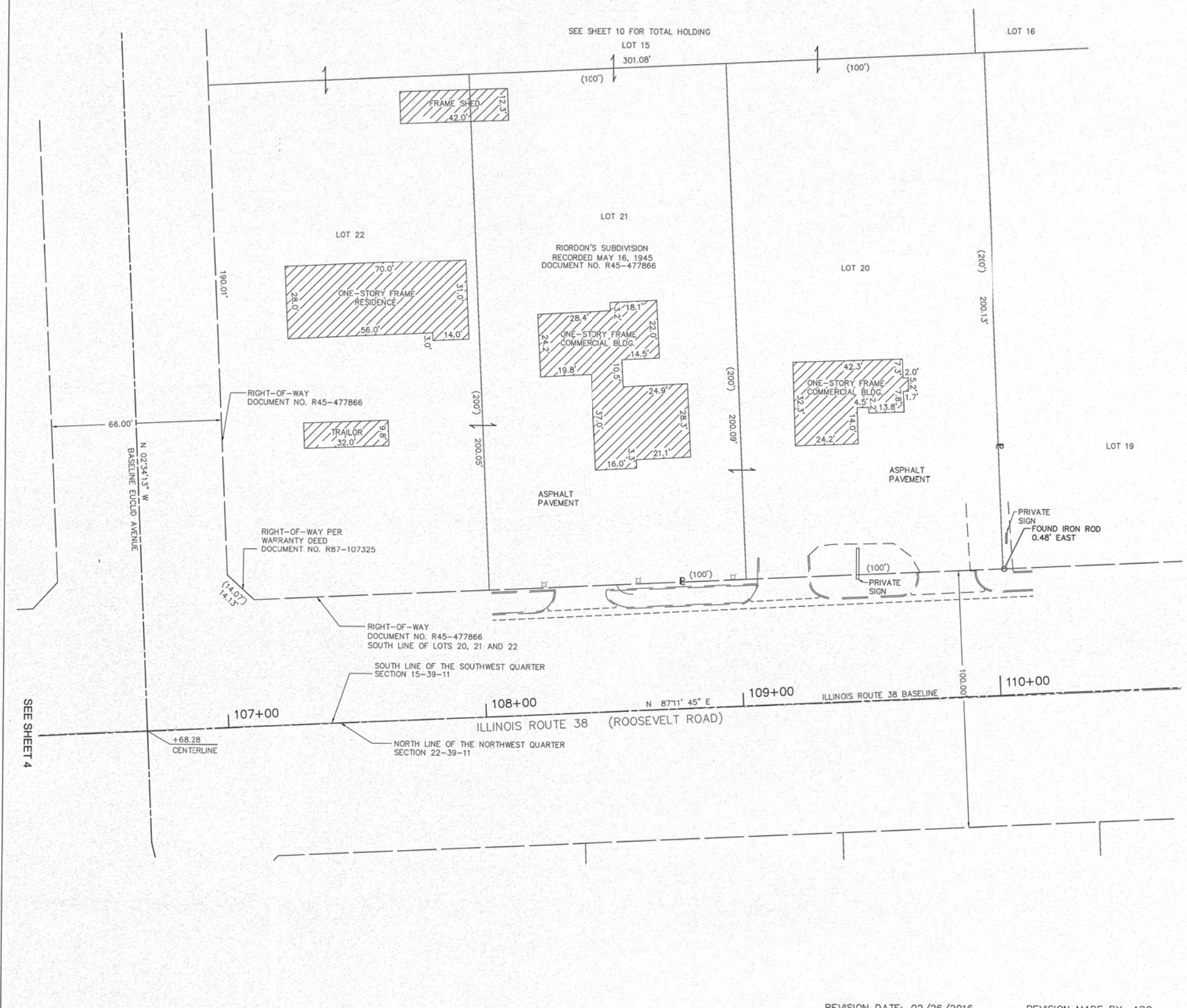
PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	50
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60X87

"FOR INFORMATION ONLY"

PART OF THE SOUTHWEST QUARTER SECTION 15, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER: 9 10 16 15
 QUARTER CORNER: 16 15 SECTION CORNER

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 EXISTING CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 CURB & GUTTER
 EDGE OF PAVEMENT
 SIDEWALK

MEASURED DIMENSION: 128.32'
 RECORDED DIMENSION: (128.32)'

EXISTING BUILDING
 LIGHT POLE

GRAPHIC SCALE: FEET 0 20
 SCALE: 1" = 20'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

- AREAS SHOWN ON PLAT ARE GROUND.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5 / 8" REBAR SET
 - STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
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 - RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, FLUIDCLARITY LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.003912), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 OAK PARK, ILLINOIS THIS ___ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FLUIDCLARITY LTD.
 1144 W. LAKE ST., STE 303
 OAK PARK, IL 60301

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
 SECTION: JOB NO.: R-91-046-13
 STA. 104+34.26 TO STA. 104+58.77
 SCALE: 1"=20' SHEET 5 OF 11 SHEETS

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

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REVISION DATE: 02/26/2016 REVISION MADE BY: APG

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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	51
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

"FOR INFORMATION ONLY"

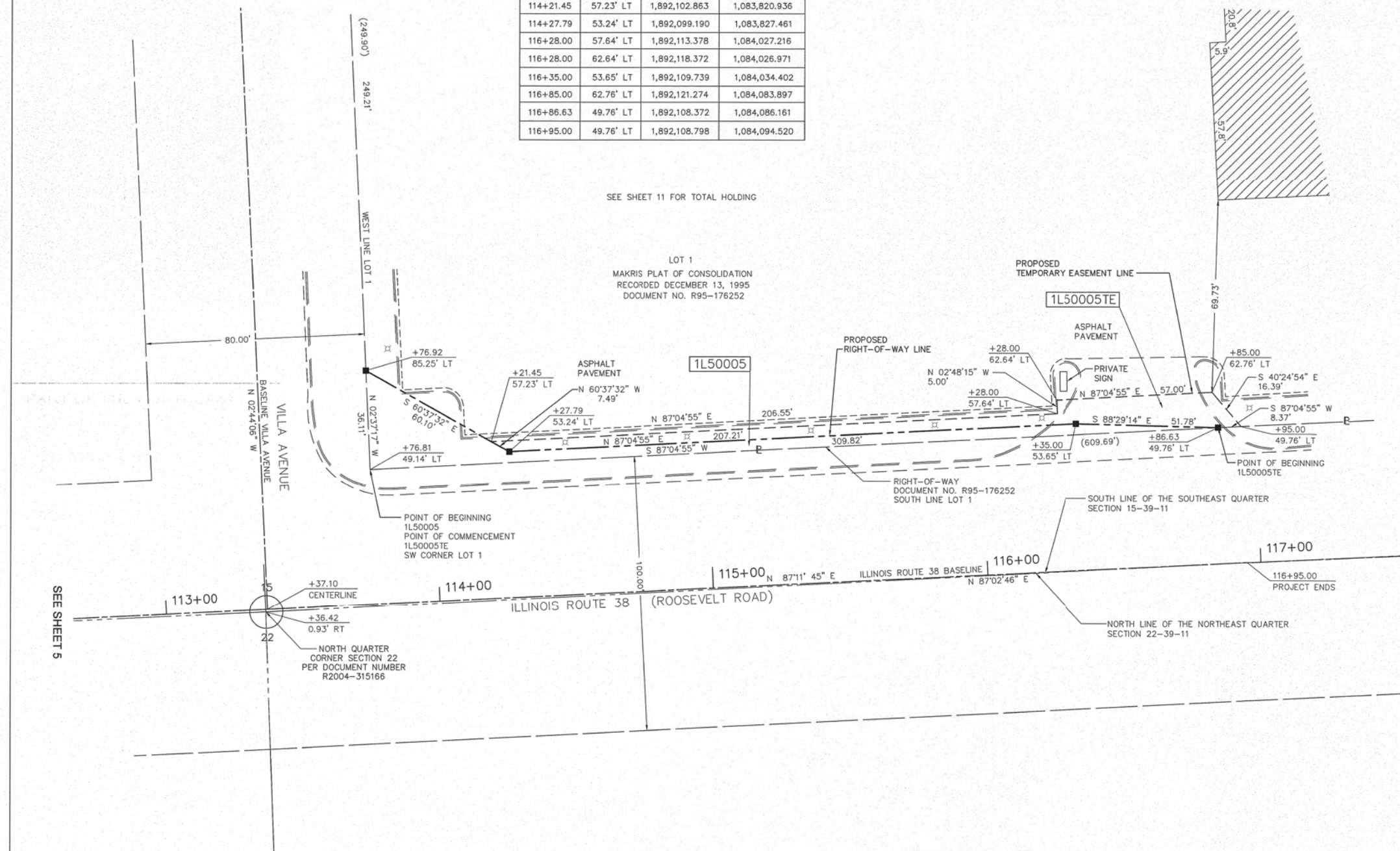
PART OF THE SOUTHEAST QUARTER OF SECTION 15, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.

COORDINATE TABLE ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)			
STATION	OFFSET	NORTH	EAST
113+37.10	CL	1,892,041.574	1,083,739.480
113+76.81	49.14' LT	1,892,092.600	1,083,776.742
113+76.92	85.25' LT	1,892,128.669	1,083,775.090
114+21.45	57.23' LT	1,892,102.863	1,083,820.936
114+27.79	53.24' LT	1,892,099.190	1,083,827.461
116+28.00	57.64' LT	1,892,113.378	1,084,027.216
116+28.00	62.64' LT	1,892,118.372	1,084,026.971
116+35.00	53.65' LT	1,892,109.739	1,084,034.402
116+85.00	62.76' LT	1,892,121.274	1,084,083.897
116+86.63	49.76' LT	1,892,108.372	1,084,086.161
116+95.00	49.76' LT	1,892,108.798	1,084,094.520

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 EXISTING CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 CURB & GUTTER
 EDGE OF PAVEMENT
 SIDEWALK
 MEASURED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING
 LIGHT POLE

GRAPHIC SCALE
 FEET
 SCALE: 1" = 20'



SEE SHEET 11 FOR TOTAL HOLDING

LOT 1
 MAKRIIS PLAT OF CONSOLIDATION
 RECORDED DECEMBER 13, 1995
 DOCUMENT NO. R95-176252

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99998952584.

- AREAS SHOWN ON PLAT ARE GROUND.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, FLUIDCLARITY LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.003912), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 OAK PARK, ILLINOIS THIS ___ DAY OF ___ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FLUIDCLARITY LTD.
 1144 W. LAKE ST., STE 303
 OAK PARK, IL 60301

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
 SECTION: JOB NO.: R-91-046-13
 STA. 113+76.81 TO STA. 116+84.21
 SCALE: 1"=20' SHEET 6 OF 11 SHEETS

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

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1L50005	5.503	0.045		5.458	0.034	06-15-409-015
1L50005TE						

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 JUL 24 2015
 PLATS & LEGALS

REVISION DATE: ___/___/___ REVISION MADE BY: _____

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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: _____ STA. TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	52
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60X87

"FOR INFORMATION ONLY"

PART OF THE NORTHWEST QUARTER OF SECTION 22, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 EXISTING CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 CURB & GUTTER
 EDGE OF PAVEMENT
 SIDEWALK
 MEASURED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING
 LIGHT POLE

SECTION CORNER
 QUARTER SECTION CORNER

GRAPHIC SCALE
 FEET
 0 20
 SCALE: 1" = 20'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

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- ⊕ "MAG" NAIL SET
- ⊕ CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) JSS
 COUNTY OF COOK)

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DATED AT OAK PARK, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FLUIDCLARITY LTD.
 1144 W. LAKE ST., STE 303
 OAK PARK, IL 60301

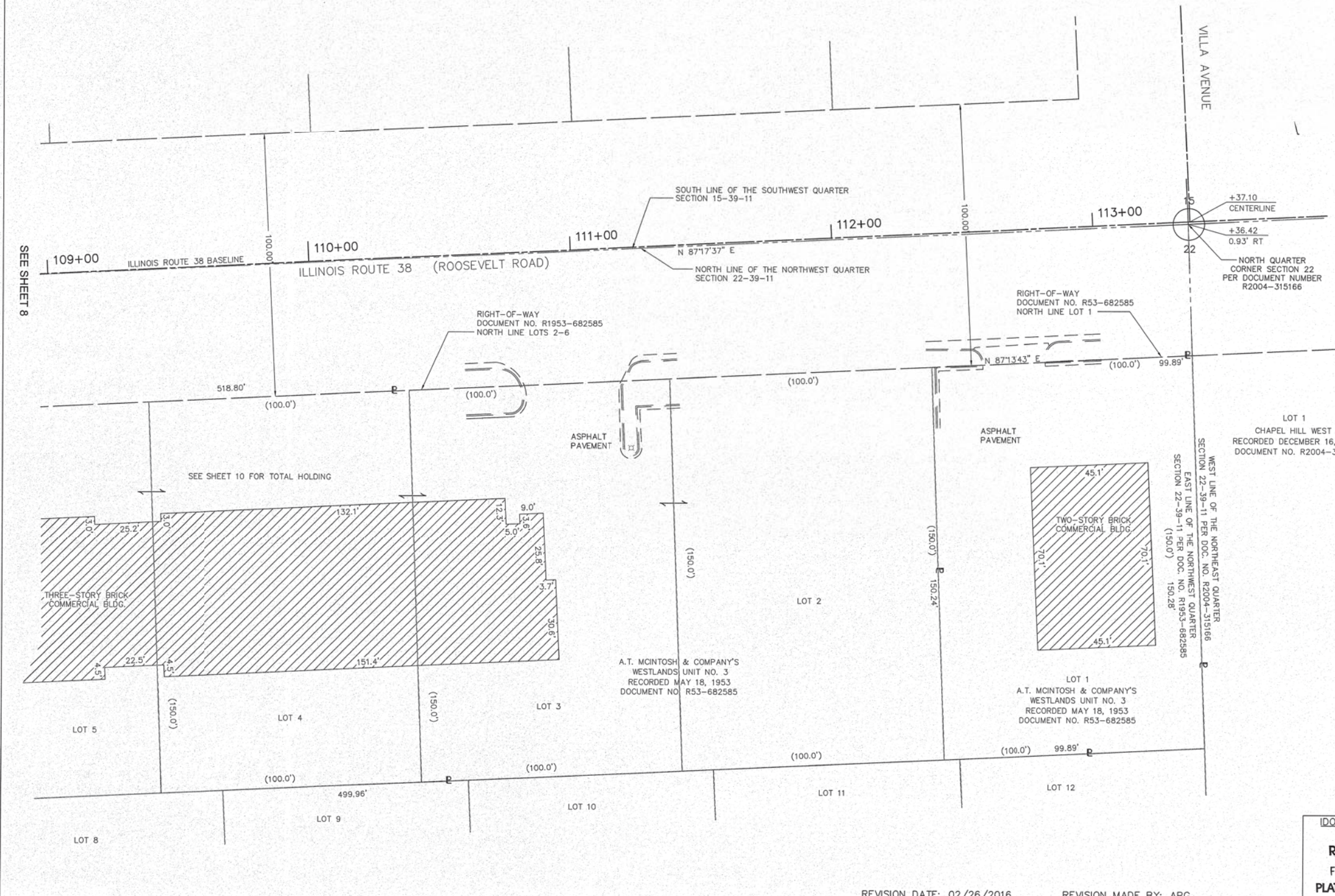
PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
 SECTION: JOB NO.: R-91-046-13
 STA. 116+31.07 TO STA. 119+87.21
 SCALE: 1"=20' SHEET 7 OF 11 SHEETS

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

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REVISION DATE: 02/26/2016 REVISION MADE BY: APG

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DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

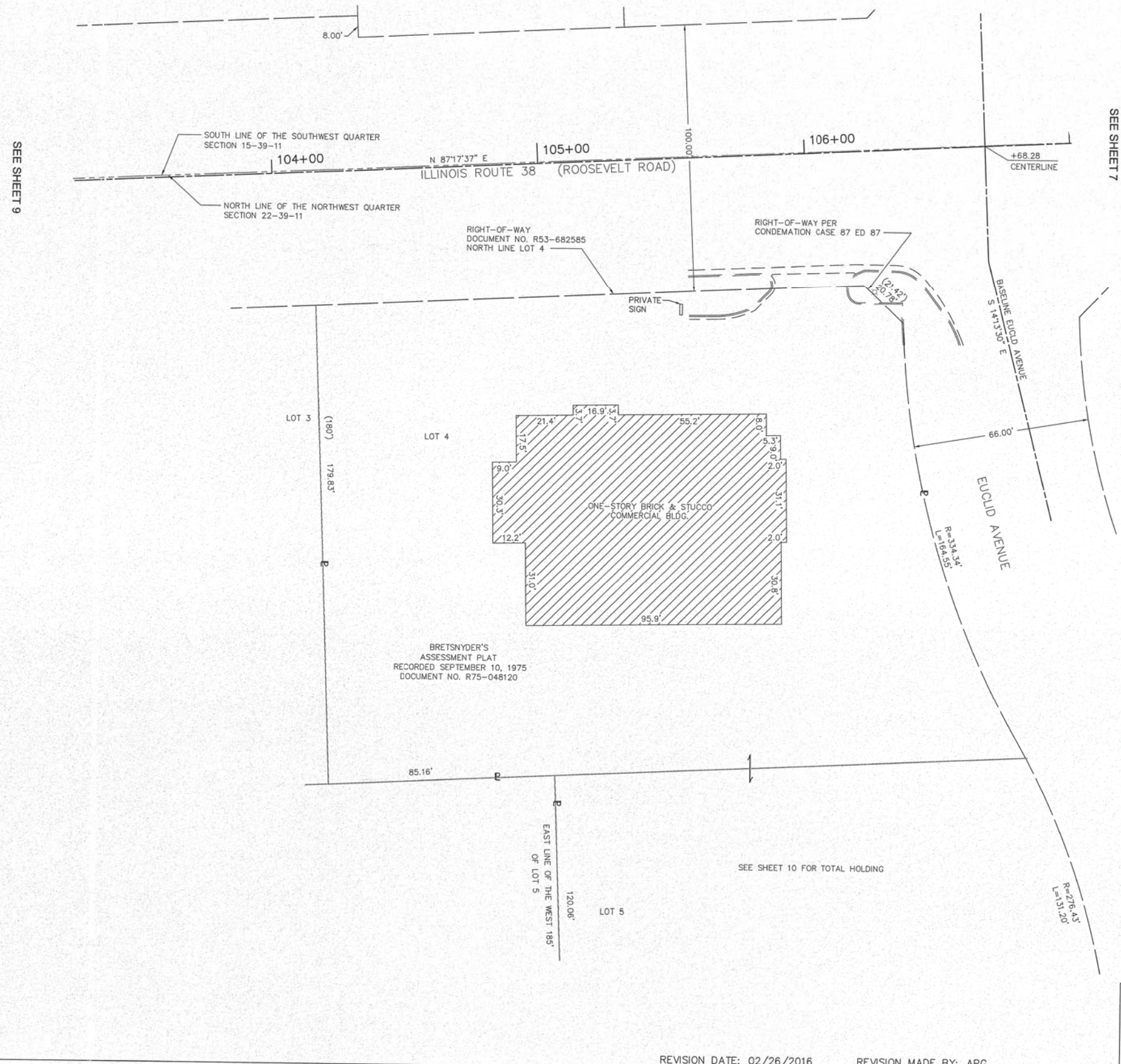
PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	53
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

"FOR INFORMATION ONLY"

PART OF THE NORTHWEST QUARTER SECTION 22, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER: 9 10 / 16 15

QUARTER SECTION CORNER: 16 15

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

EXISTING CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

PROPOSED EASEMENT

CURB & GUTTER

EDGE OF PAVEMENT

SIDEWALK

MEASURED DIMENSION (129.32')

RECORDED DIMENSION (129.32')

EXISTING BUILDING

LIGHT POLE

GRAPHIC SCALE: 1" = 20'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- ⊕ CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET

■ STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 3/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.

⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

□ RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) JSS
 COUNTY OF COOK)

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MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT OAK PARK, ILLINOIS THIS ____ DAY OF _____, 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FLUIDCLARITY LTD.
 1144 W. LAKE ST., STE 303
 OAK PARK, IL 60301

PLATS & LEGALS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
 SECTION: JOB NO.: R-91-046-13
 STA. 104+34.26 TO STA. 104+58.77
 SCALE: 1"=20' SHEET 8 OF 11 SHEETS

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

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DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

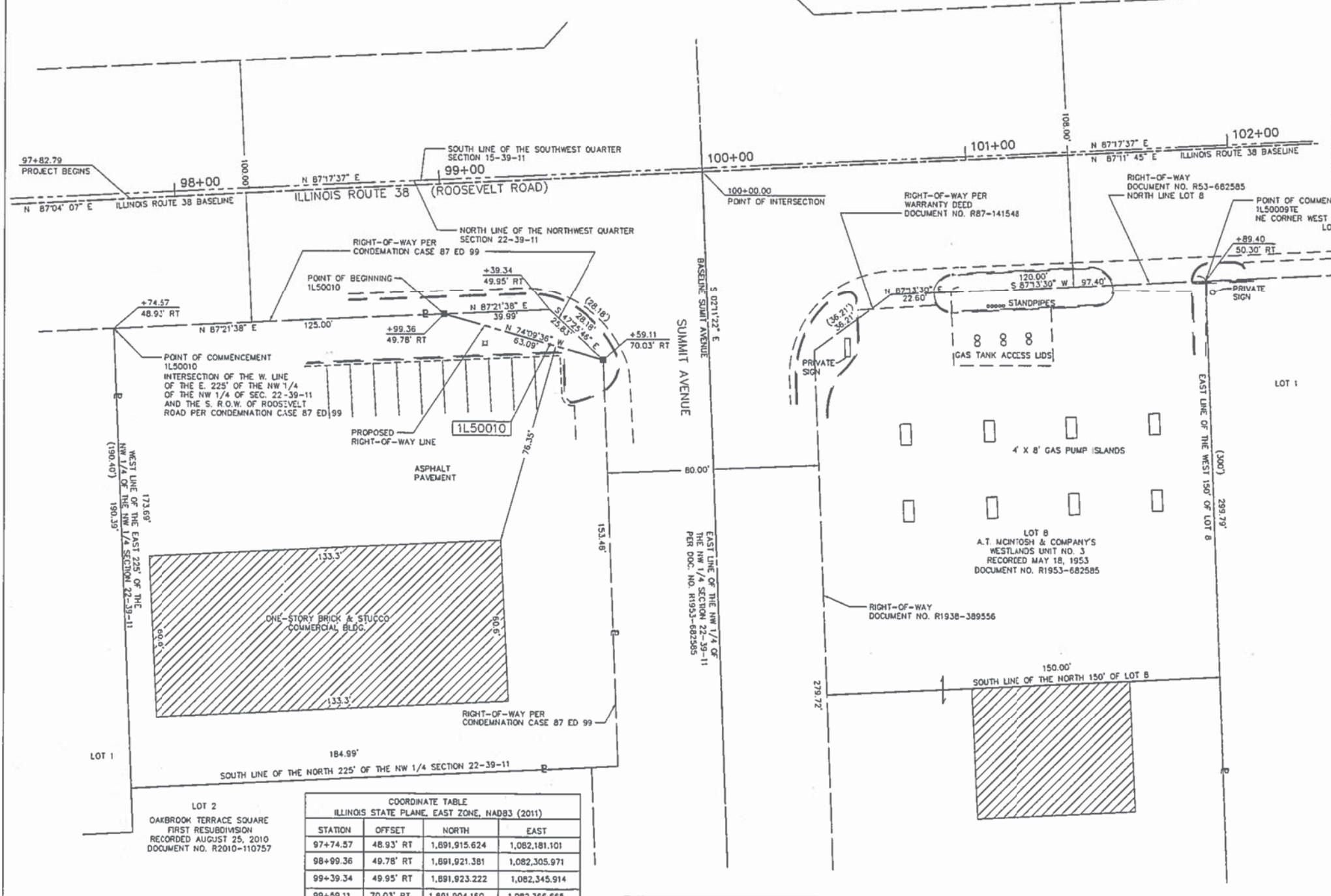
PLAT OF HIGHWAYS

SCALE: _____ STA. TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	54
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

REVISION DATE: 02/26/2016 REVISION MADE BY: APG

PART OF THE NORTHWEST QUARTER SECTION 22, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (15 15)

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

EXISTING CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

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"MAG" NAIL SET

5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT-OF-WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.

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STATE OF ILLINOIS)
COUNTY OF COOK)

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DATED AT OAK PARK, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COORDINATE TABLE
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

STATION	OFFSET	NORTH	EAST
97+74.57	48.93' RT	1,891,915.624	1,082,181.101
98+99.36	49.78' RT	1,891,921.381	1,082,305.971
99+39.34	49.95' RT	1,891,923.222	1,082,345.914
99+59.11	70.03' RT	1,891,904.160	1,082,366.665
100+57.32	58.24' RT	1,891,920.798	1,082,464.081
100+69.40	50.24' RT	1,891,929.373	1,082,475.757
100+92.00	50.25' RT	1,891,930.467	1,082,496.334
100.92.00	58.25' RT	1,891,922.477	1,082,498.725
101+89.40	50.30' RT	1,891,935.183	1,082,595.618

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1L500091E	0.767			0.767	0.005 (229 S.F.)	06-22-104-045
1L50010	0.732	0.009 (400 S.F.)		0.723		06-22-100-038

FLUIDCLARITY LTD.
1144 W. LAKE ST., STE 303
OAK PARK, IL 60301

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
SECTION: JOB NO.: R-91-046-13
STA. 104+34.26 TO STA. 104+58.77
SCALE: 1"=20' SHEET 9 OF 11 SHEETS

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

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PLATS & LEGALS

REVISION DATE: 02/26/2016 REVISION MADE BY: APG

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DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

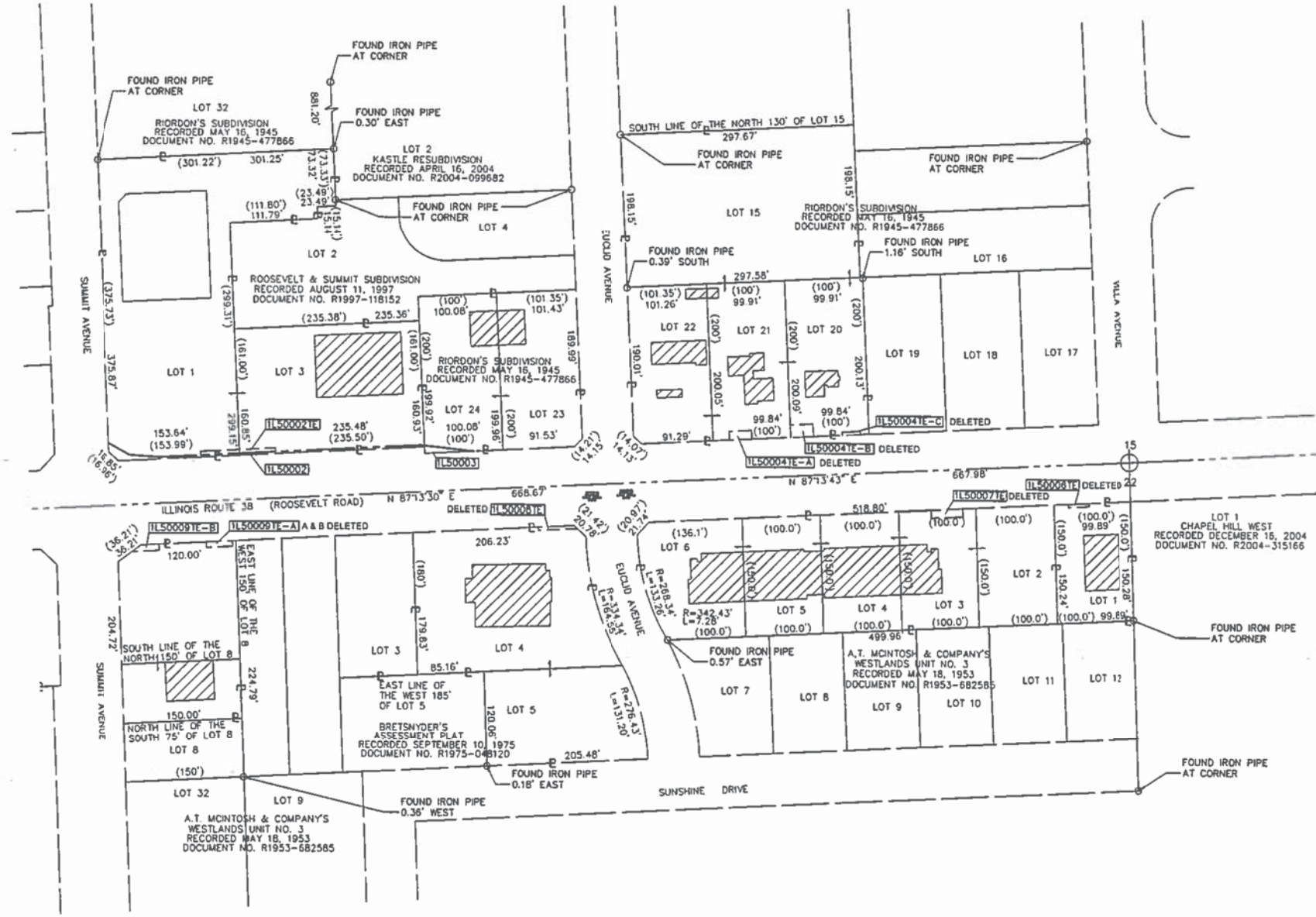
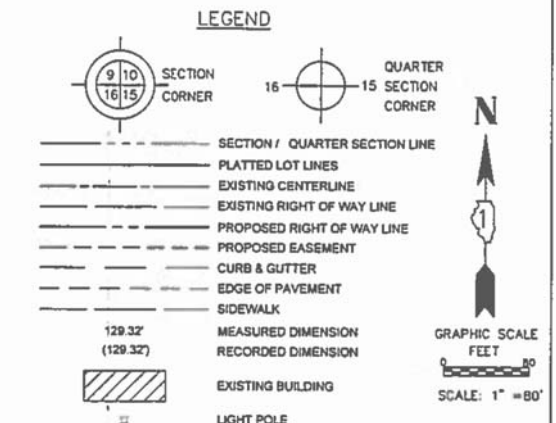
PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	55
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

"FOR INFORMATION ONLY"

PART OF THE SOUTHWEST QUARTER OF SECTION 15, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.
 PART OF THE NORTHWEST QUARTER OF SECTION 22, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



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- ⊕ "MAG" NAIL SET
- ⊕ CUT CROSS FOUND OR SET
- 5/8" REBAR SET
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STATE OF ILLINOIS)
 JSS
 COUNTY OF COOK)

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 MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT OAK PARK, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FLUIDCLARITY LTD.
 1144 W. LAKE ST., STE 303
 OAK PARK, IL 60301

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
 SECTION: TO STA. JOB NO.: R-91-046-13
 STA. TO STA.
 SCALE: 1"=40' SHEET 10 OF 11 SHEETS

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

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REVISION DATE: ___/___/___ REVISION MADE BY: _____

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STATE OF ILLINOIS
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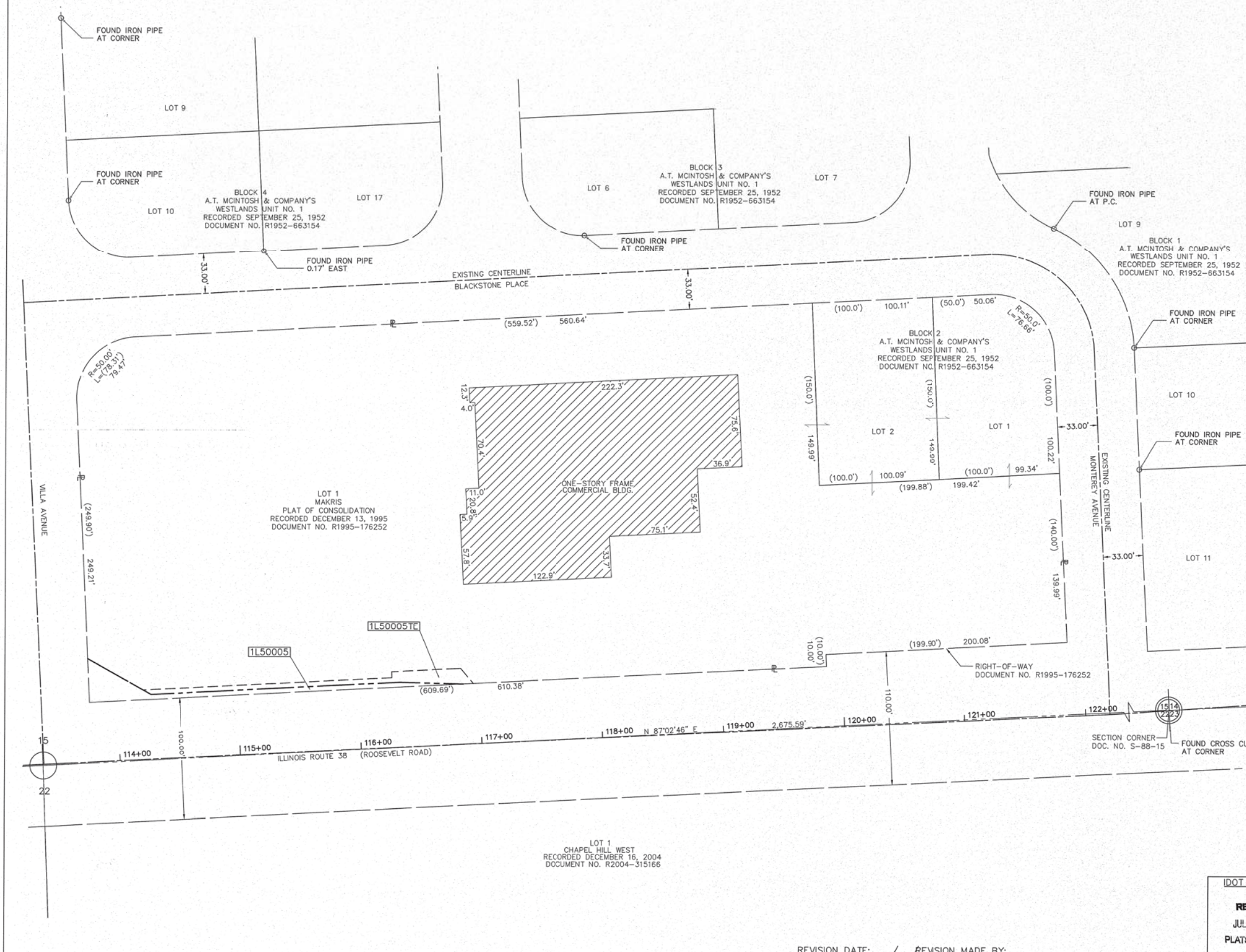
PLAT OF HIGHWAYS

SCALE: _____ STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	56
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

"FOR INFORMATION ONLY"

PART OF THE SOUTHEAST QUARTER OF SECTION 15, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER: 9 10 15 16

QUARTER SECTION CORNER: 15

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

EXISTING CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

PROPOSED EASEMENT

CURB & GUTTER

EDGE OF PAVEMENT

SIDEWALK

MEASURED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

LIGHT POLE

GRAPHIC SCALE: 1" = 40'

SCALE: 1" = 40'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFER TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- ⊕ CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, FLUIDCLARITY LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.003912), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 OAK PARK, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FLUIDCLARITY LTD.
 1144 W. LAKE ST., STE 303
 OAK PARK, IL 60301

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 38 (ROOSEVELT ROAD)

RECEIVED
 JUL 24 2015
 PLATS & LEGALS

LIMITS: AT SUMMIT AVENUE COUNTY: DUPAGE
 SECTION: TO STA. JOB NO.: R-91-046-13
 STA. TO STA. SCALE: 1"=40' SHEET 11 OF 11 SHEETS

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

REVISION DATE: ___/___/___ REVISION MADE BY: _____

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2015
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 I:\CADD\Plots\40183-SHT-wo2-PlatofHwys.dgn
 I:\CADD\Plots\40183-SHT-wo2-PlatofHwys.dgn



DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-PlatofHwys.dgn

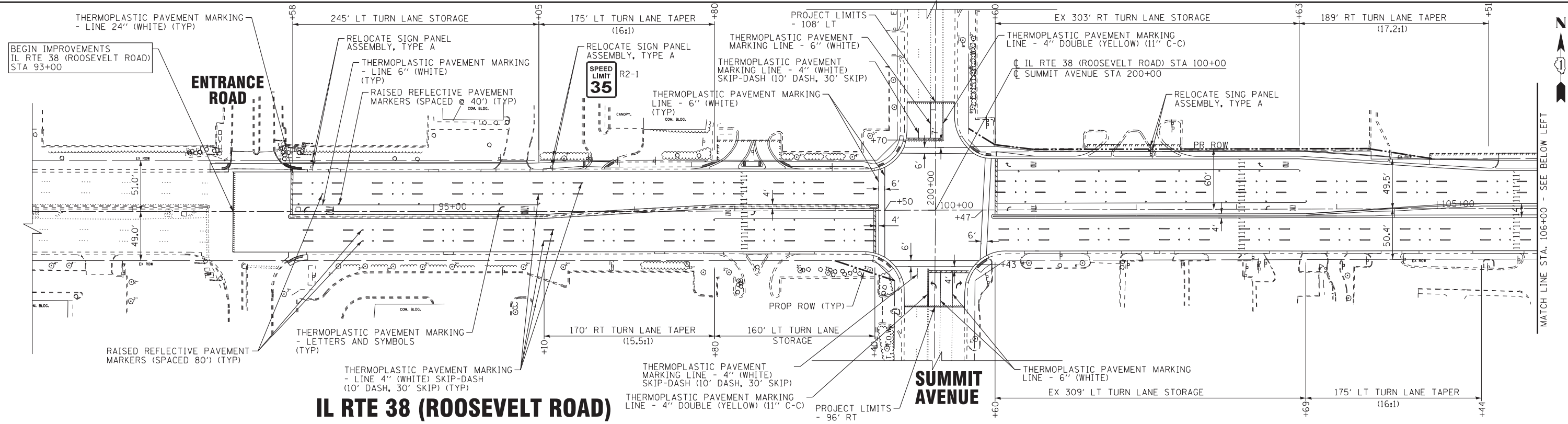
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

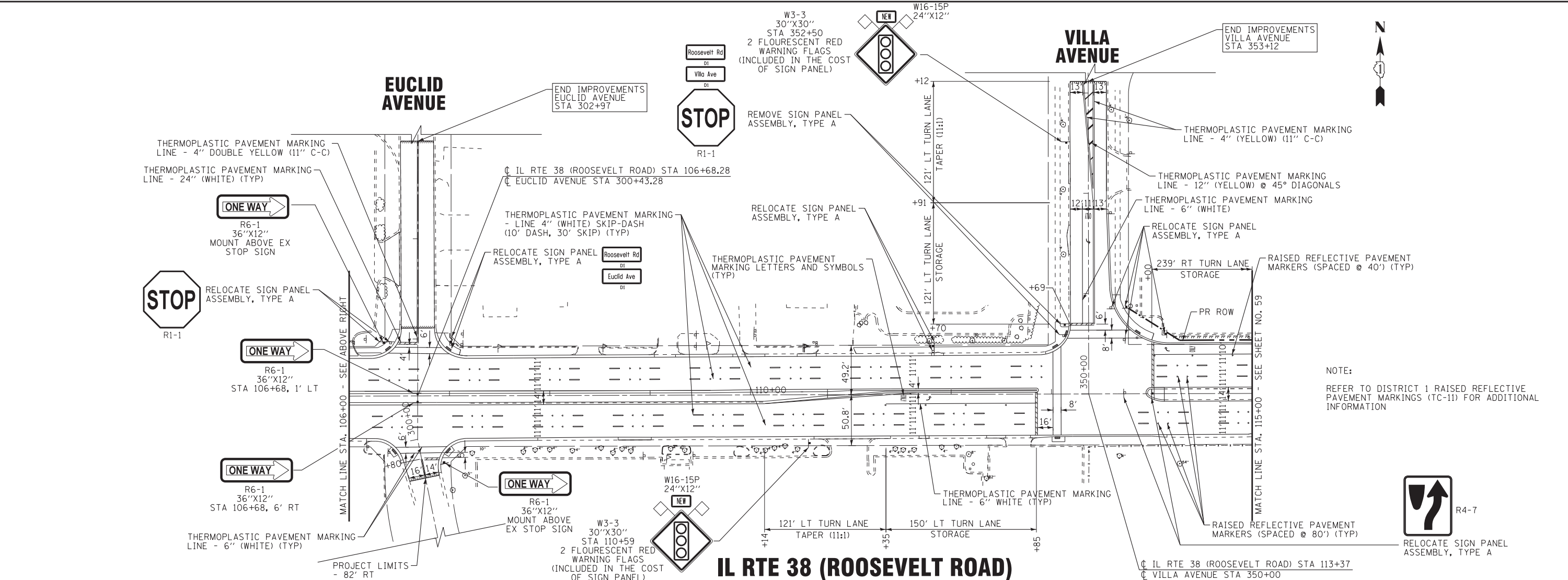
SCALE: _____ STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	57
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

"FOR INFORMATION ONLY"



IL RTE 38 (ROOSEVELT ROAD)



IL RTE 38 (ROOSEVELT ROAD)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNAGE PLAN
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: 1"=50' STA. 92+50 TO STA. 115+00

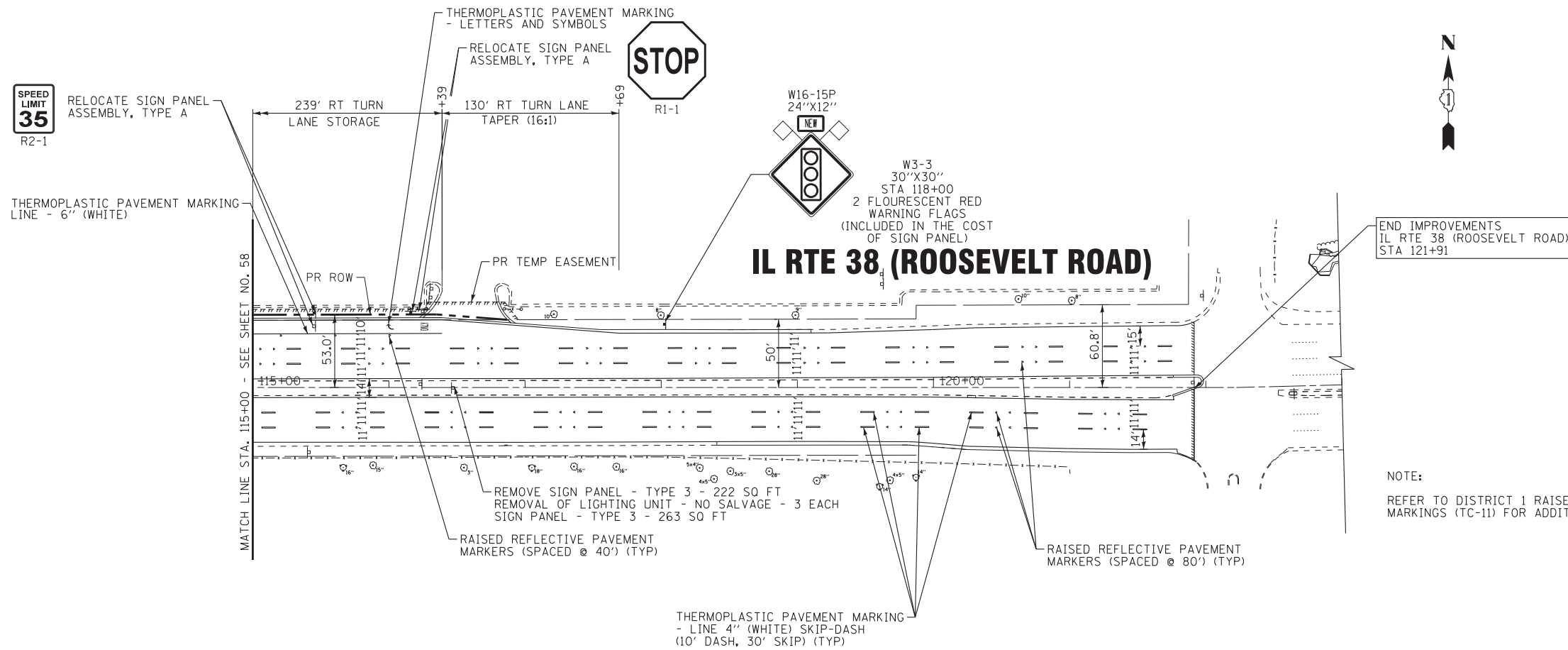
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	58
CONTRACT NO. 60X87			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

DESIGNED	REVISOR
JDM	-
DRAWN	REVISOR
UKB	-
CHECKED	REVISOR
DJS	-
DATE	FILE
10-7-16	140183SHT-wo2-PM1.dgn

BAXTER & WOODMAN
Consulting Engineers

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NOTE:
REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKINGS (TC-11) FOR ADDITIONAL INFORMATION



END IMPROVEMENTS
IL RTE 38 (ROOSEVELT ROAD)
STA 121+91

NOTE:
REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKINGS (TC-11) FOR ADDITIONAL INFORMATION

SIGN DETAIL

SIGN NUMBER		WIDTH x HGHT.	
		21'-0" x 12'-6"	
BORDER WIDTH		2"	
CORNER RADIUS		12"	
MOUNTING		Overhead	
BACKGROUND		TYPE: ZZ Sheeting	
		COLOR: Green	
LEGEND/BORDER		TYPE: ZZ Sheeting	
		COLOR: White/White	

SYMBOL	ROT	X	Y	WID	HT
M1-1100	0	77	104.1	36	36
M1-1100	0	40	34.8	36	36

Dimensions are in Inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE	
S	O	U	T	H										EM 2000	
125	137	147.8	157.7	166.9									50	12,10	
K	i	n	g	e	r	y	H	w	y					EM 2000	
59	72.8	80.8	93.7	106.7	119.6	128	139.3	152.7	166.5	182.5			134.9	13,310	
T	O													EM 2000	
12.8	21.6												17.2	10	
B	u	t	t	e	r	f	i	e	l	d	R	d		EM 2000	
89.4	104	116.9	126.8	136.8	149.8	158.4	168.2	175	188	194.9	203.7	217.1	230.4	149.8	13,410
E	X	I	T	14	M	I	L	E							EM 2000
77	85.8	96.6	100.4	113.8	141.7	153.8	158.6	167.6						98.1	10,15

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DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-PM2.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE
IL RTE 38 (ROOSEVELT ROAD)**

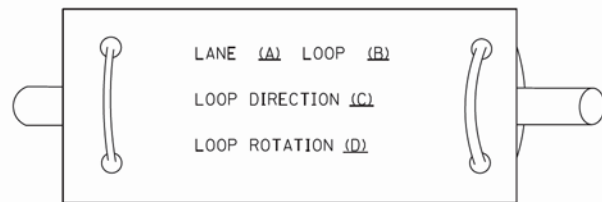
SCALE: 1"=50' STA 115+00 TO STA. 122+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)		110	59
CONTRACT NO. 60X87			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

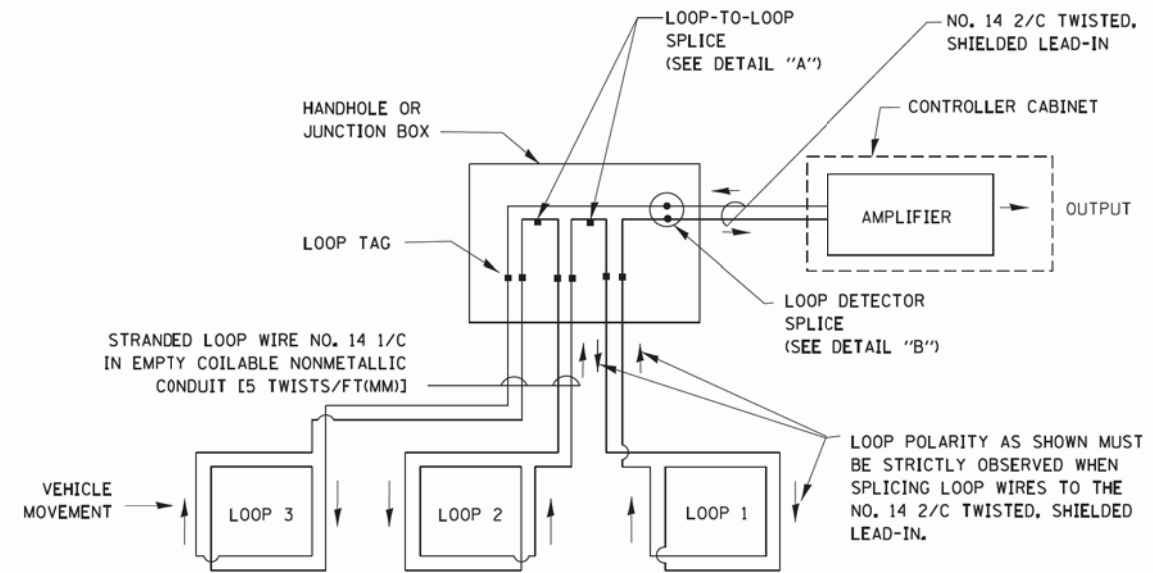
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

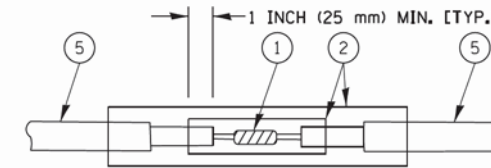


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

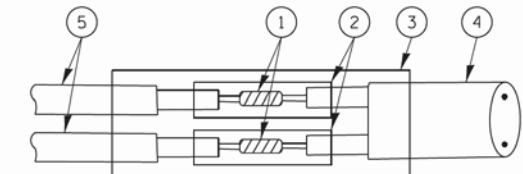


DETECTOR LOOP WIRING SCHEMATIC

- 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.

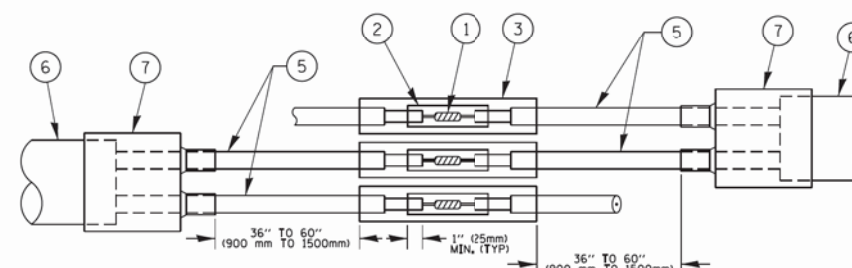


DETAIL "A"
LOOP-TO-LOOP SPLICE

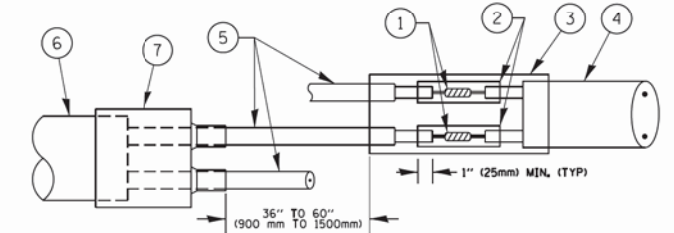


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

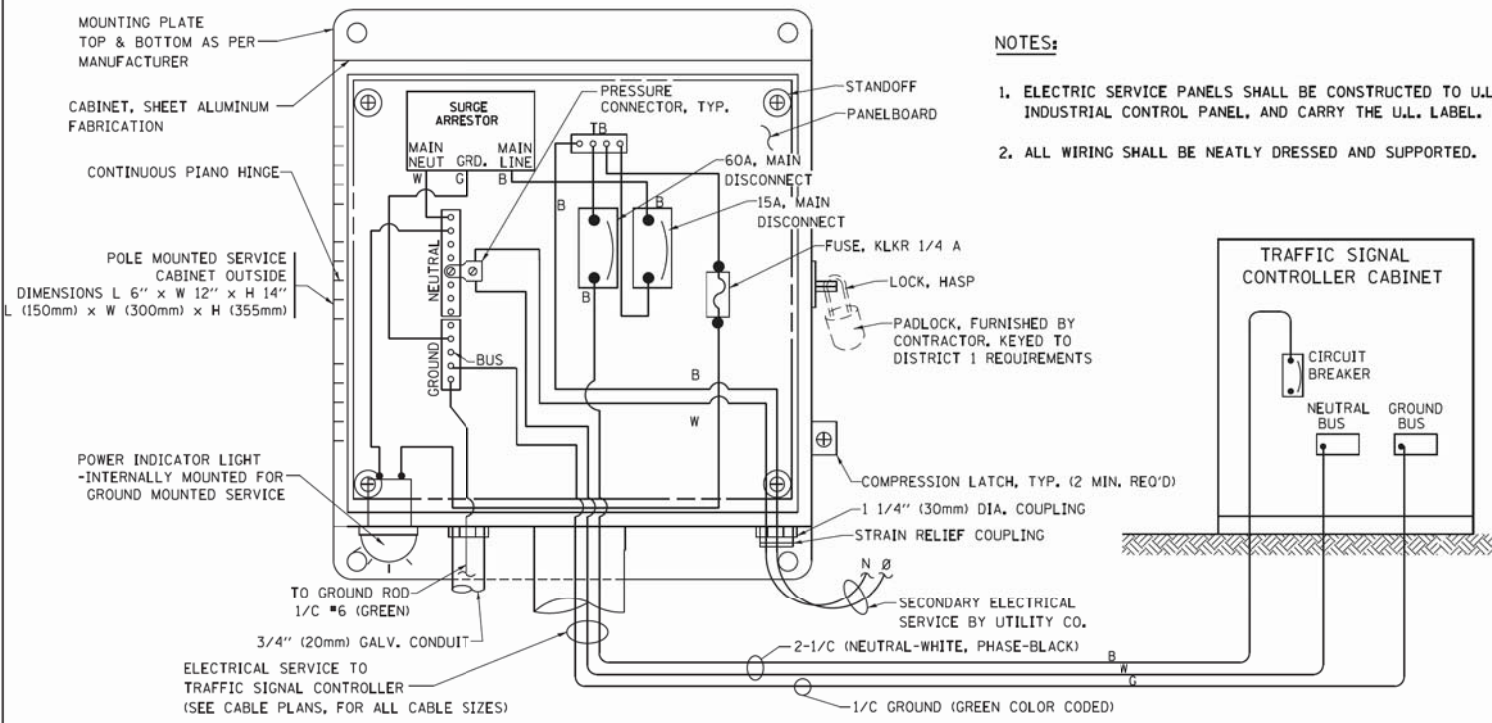
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PLOT DATE = 1/13/2014
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REVISED -

STATE OF ILLINOIS	DISTRICT ONE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS	347	(CY&543R)TS(14)	DUPAGE	110	61
SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	TS-05 CONTRACT NO. 60X87		
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

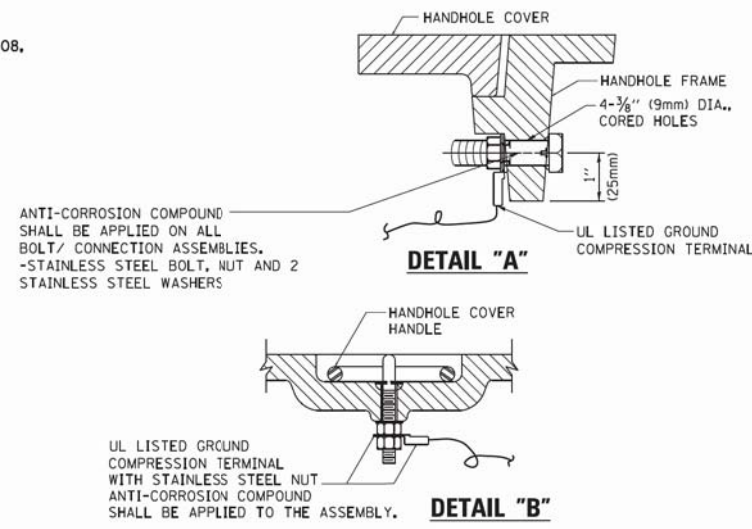
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	61
				TS-05 CONTRACT NO. 60X87
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

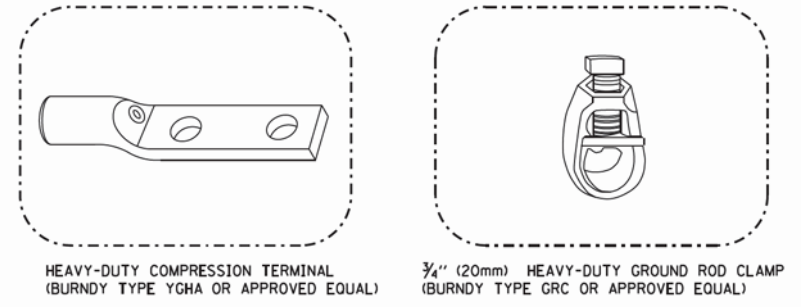


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



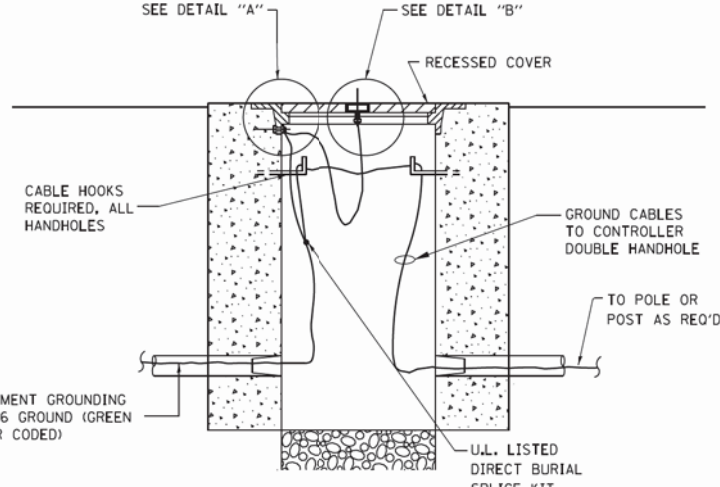
NOTES:
GROUNDING SYSTEM

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.

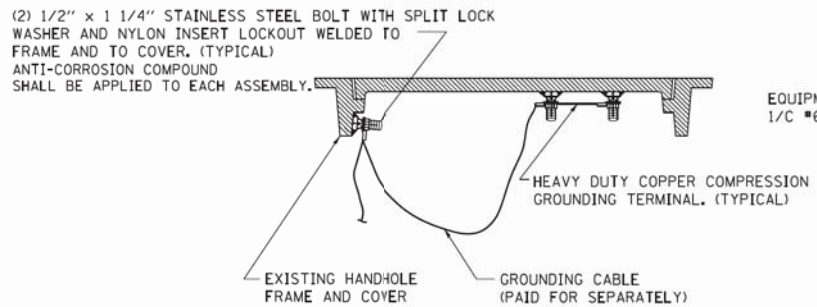


NOTES:

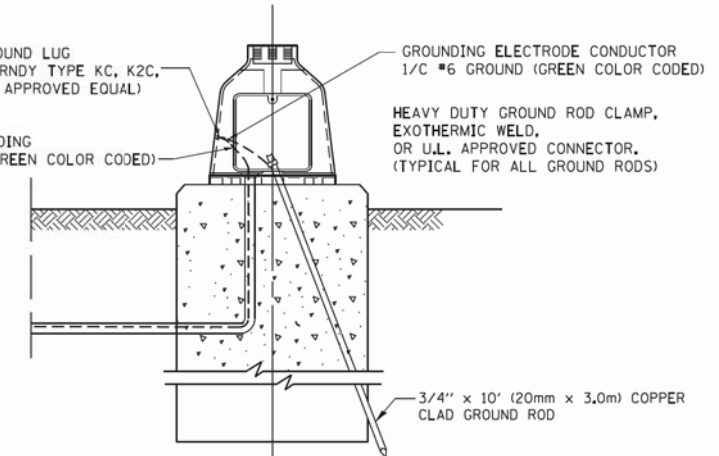
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPEO OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



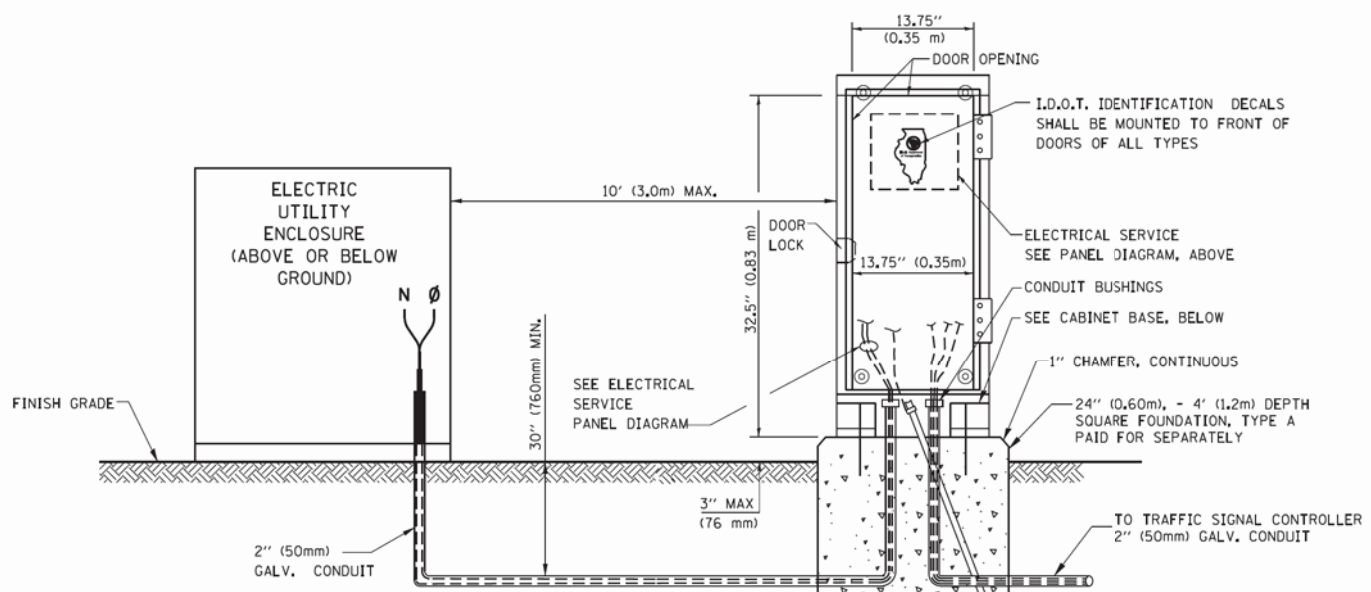
HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



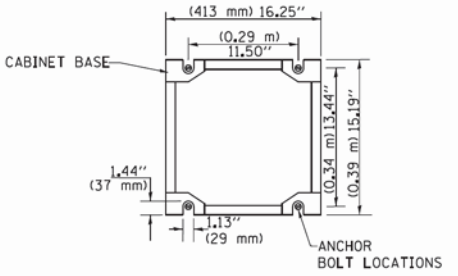
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



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



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)



CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)

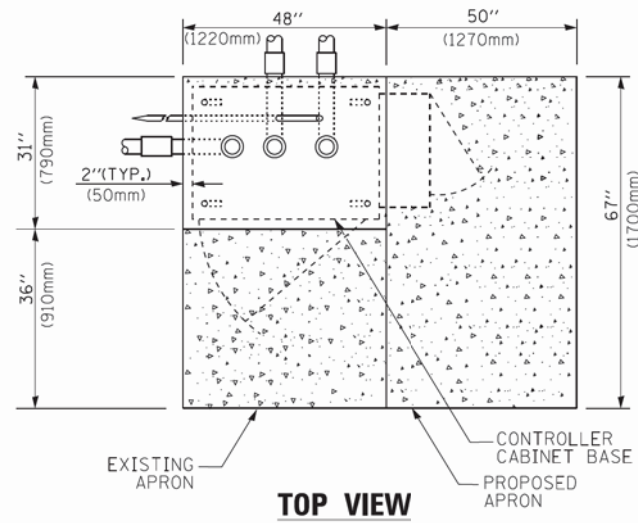
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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 2300 S. WASHINGTON ST., SUITE 200, CHICAGO, IL 60607
 TEL: (773) 399-1200 FAX: (773) 399-1201
 www.baxterandwoodman.com

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwork\pwork\dot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

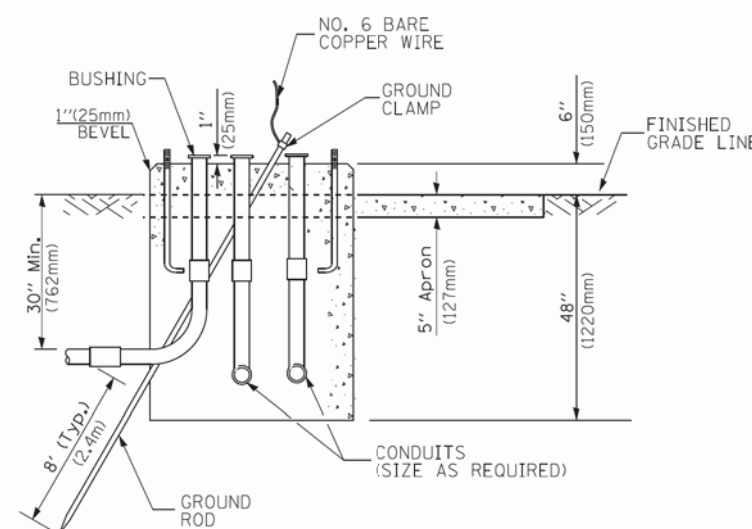
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

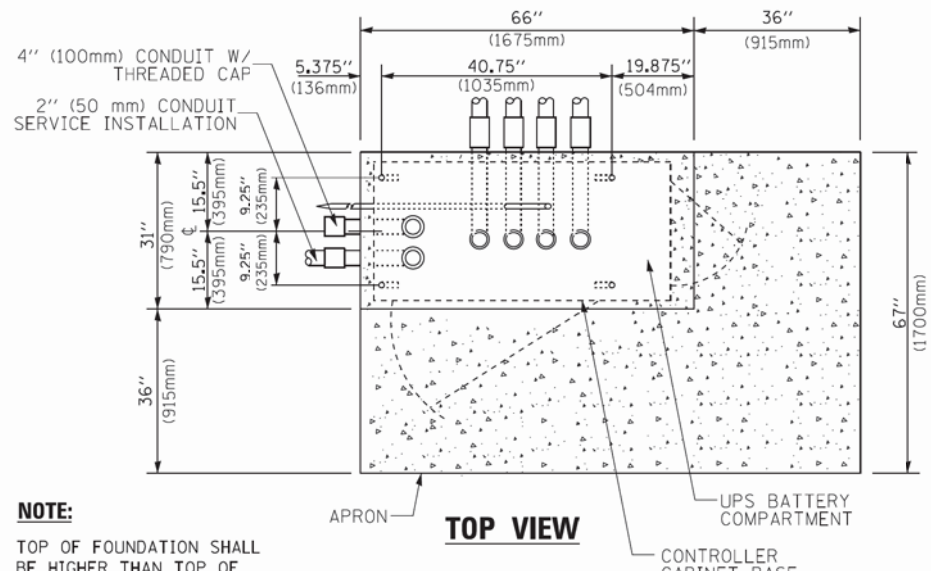
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	63
TS-05		CONTRACT NO. 08X87		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW

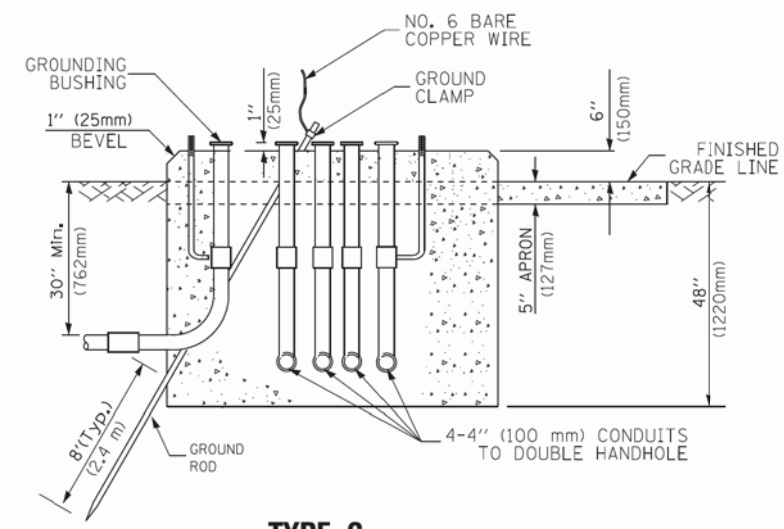


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

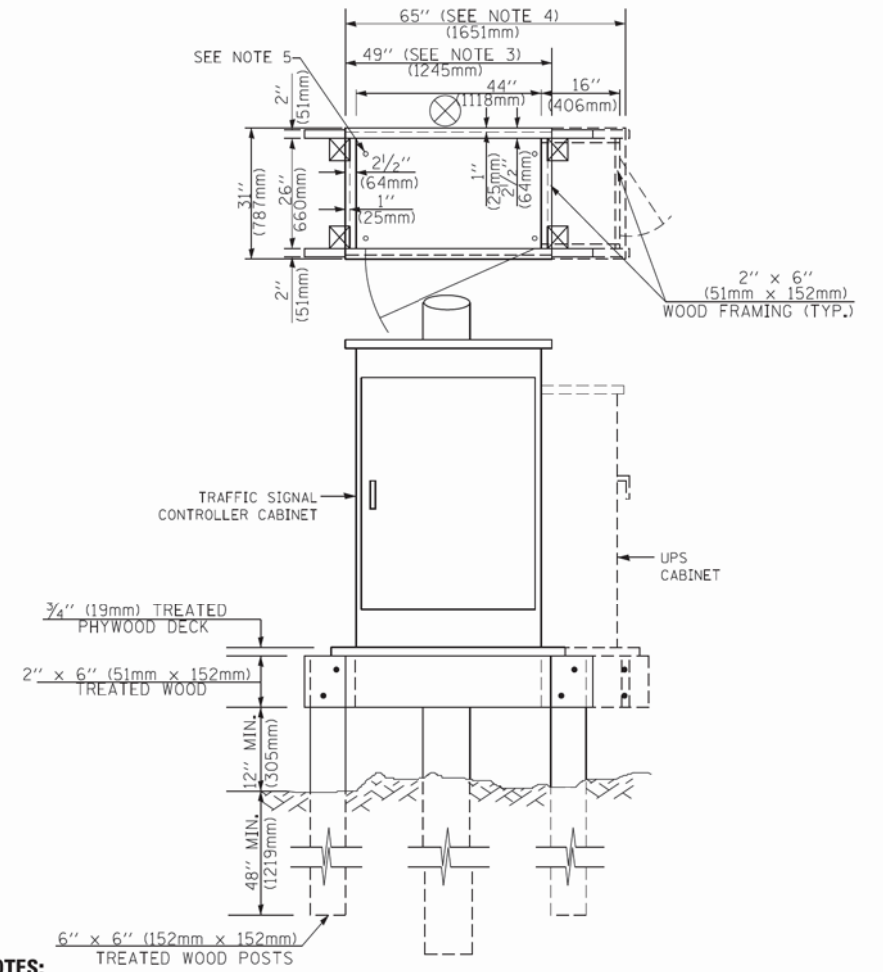


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



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.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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	① 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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	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 (qu) > 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

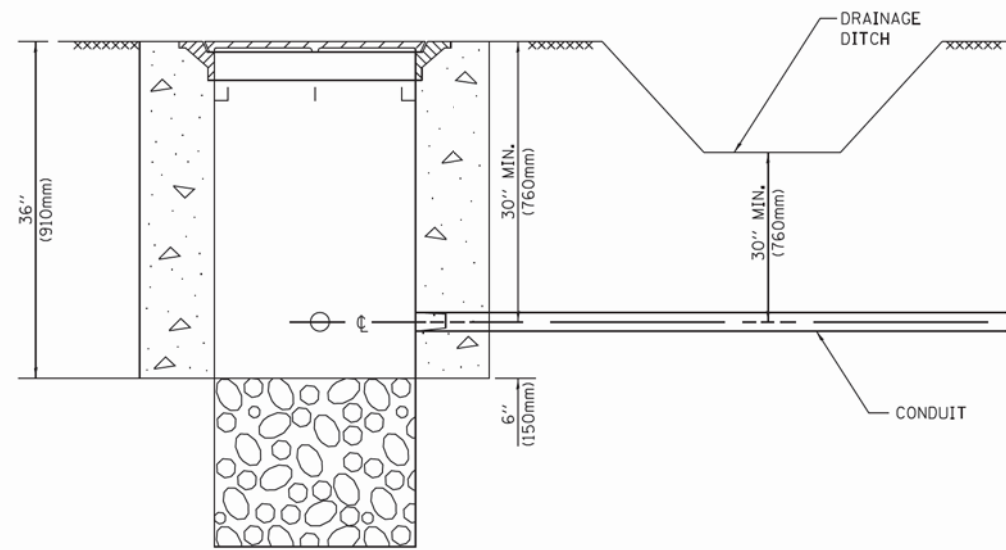
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 PROJECT: CRystalLake\DOT\14083-VAR-V00-WO-2_Smt-14_83\CADD\14083SHT-102-D-Details-TS.dgn
 DATE: 8/1/2016 5:20:52 PM

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
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	PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS STA. TO STA.

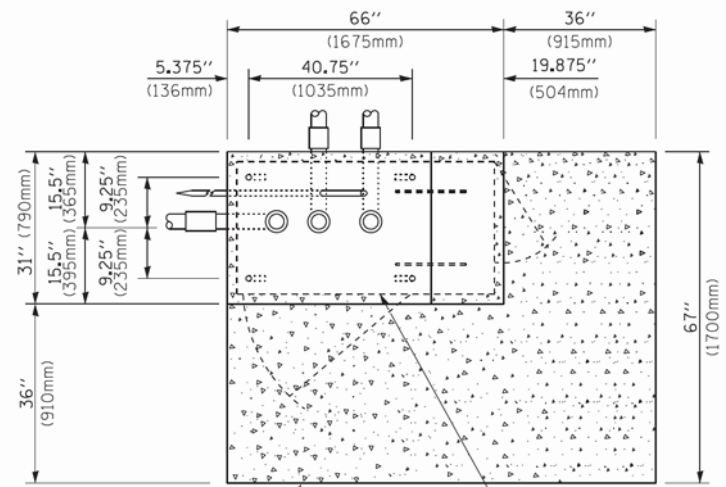
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	64
TS-05		CONTRACT NO. 60X87		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



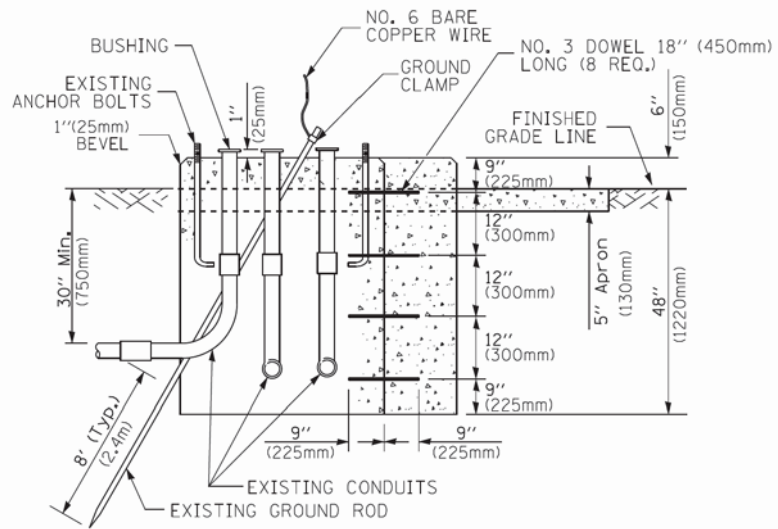
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

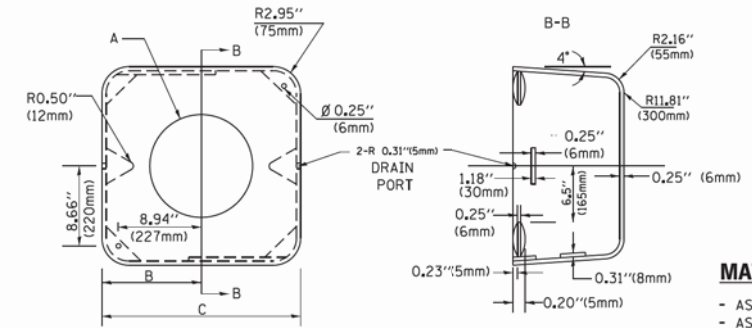
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

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

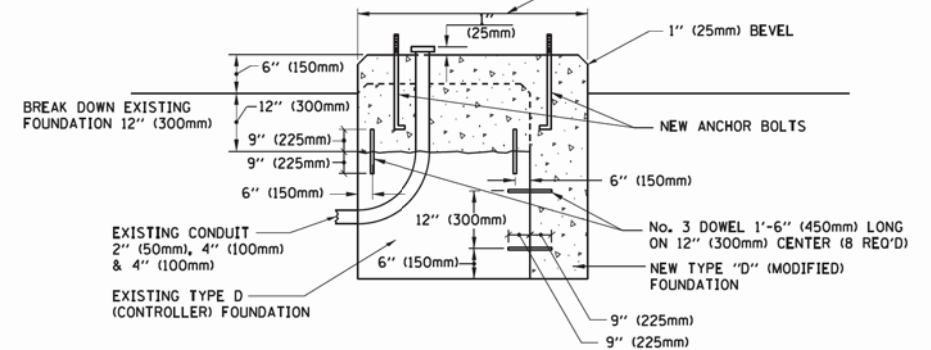
SHROUD

NOTES:

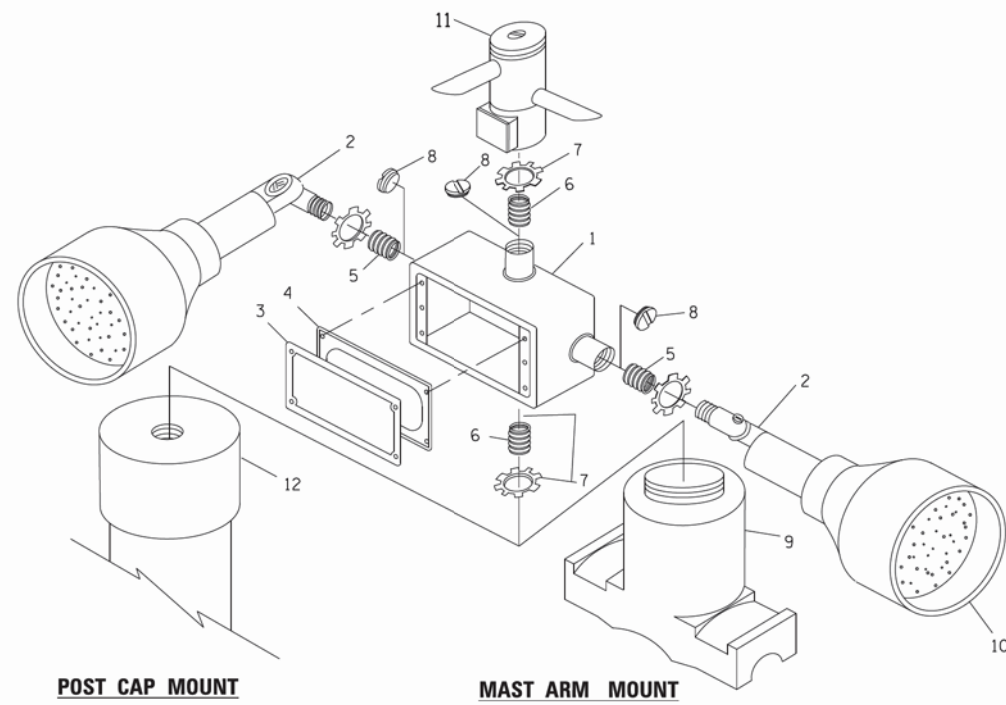
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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

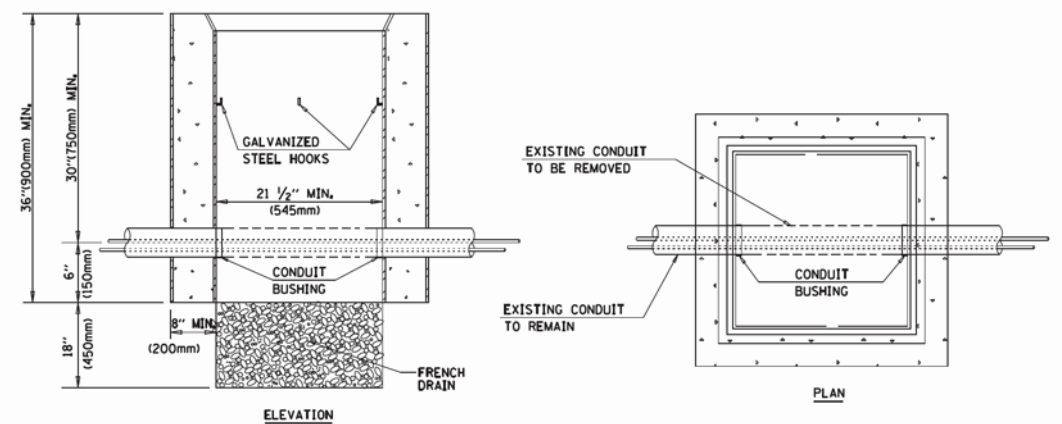


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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 INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

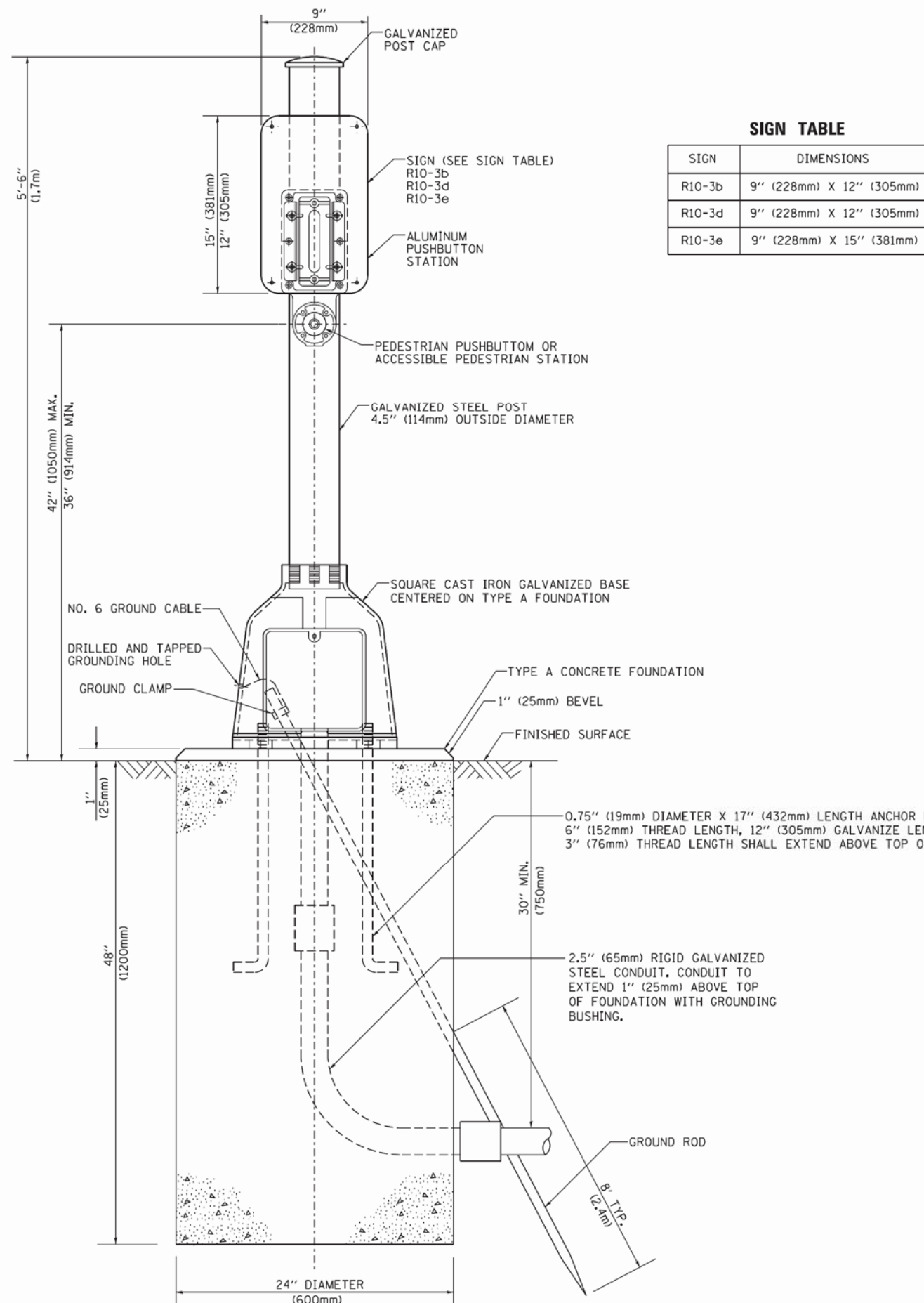
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FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

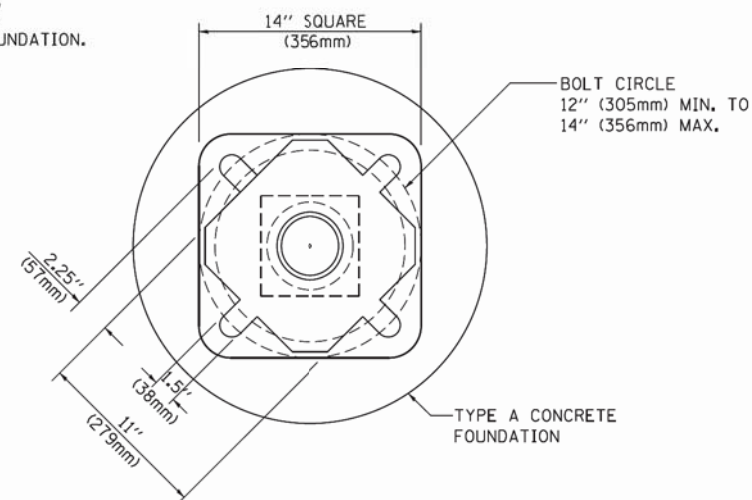
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	65
TS-05		CONTRACT NO. 60X87		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

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 FILE NAME = ...\\doter\work\p\dot\footem\0108315\ts05.dgn
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 DESIGNED - DAG
 DRAWN - GND
 CHECKED - DAD
 DATE - 10/1/2012
 REVISED - DAG 1-1-14
 REVISED -
 REVISED -
 REVISED -
 PLOT SCALE = 50.0000' / 1" IN.
 PLOT DATE = 1/13/2014

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ca\pw\work\p\dot\footem\0108315\ts05.dgn		DRAWN - GND	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10/1/2012	REVISED -

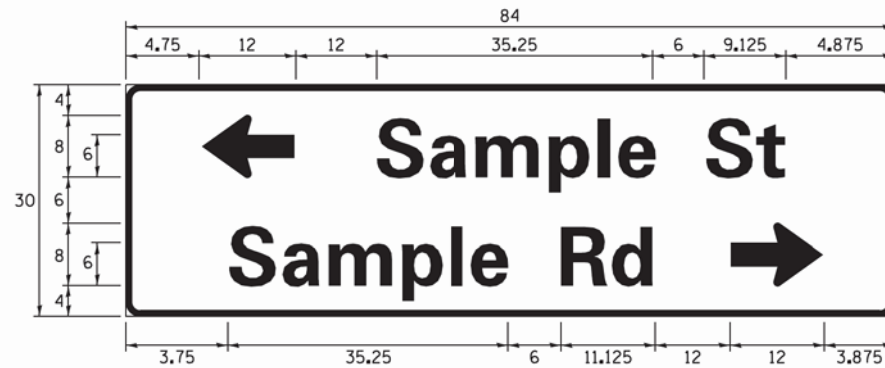
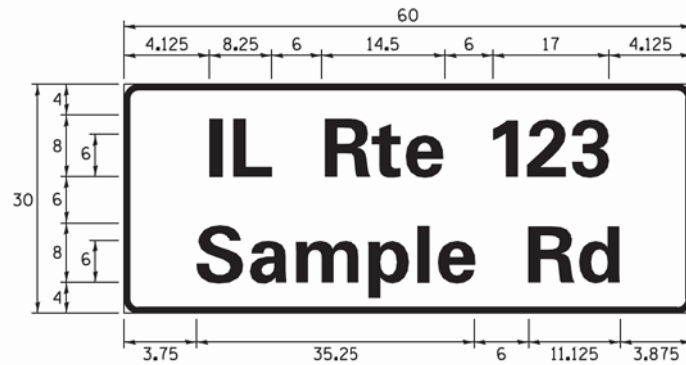
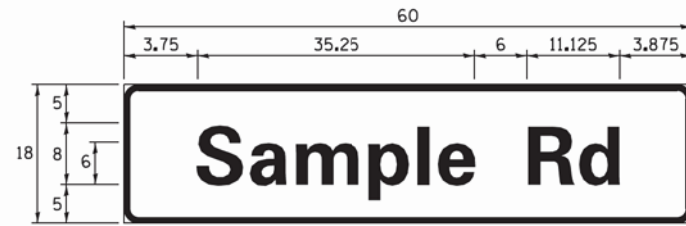
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	66
TS-05		CONTRACT NO. 60X87		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Clr	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

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 CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

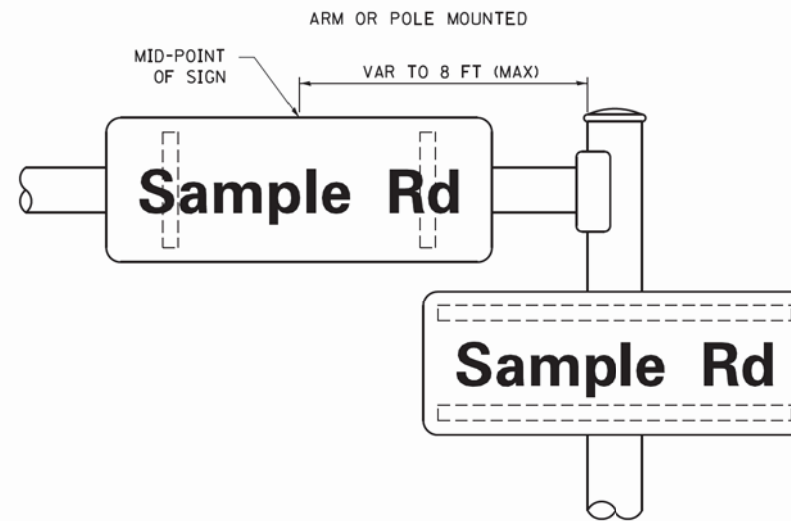
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

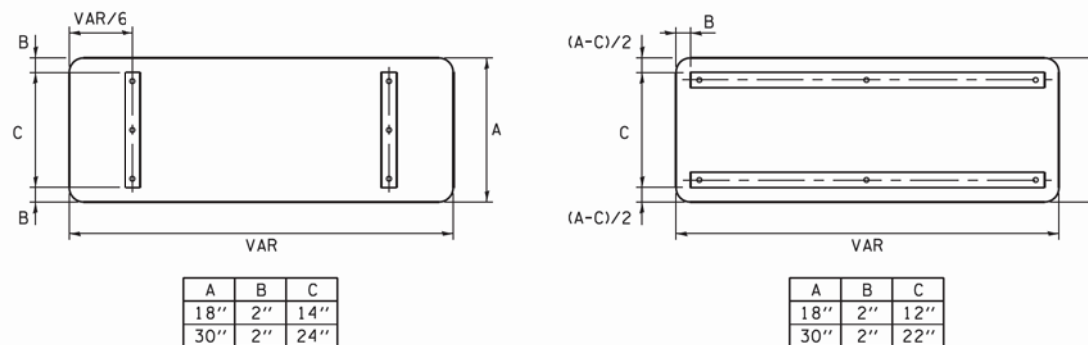
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

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

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

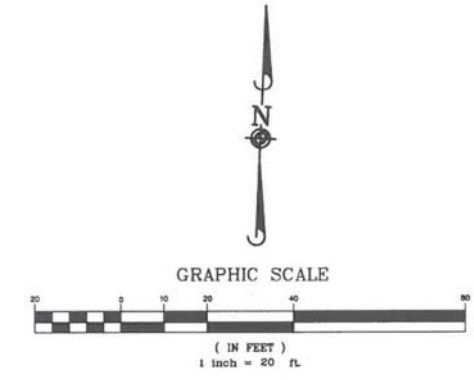
(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

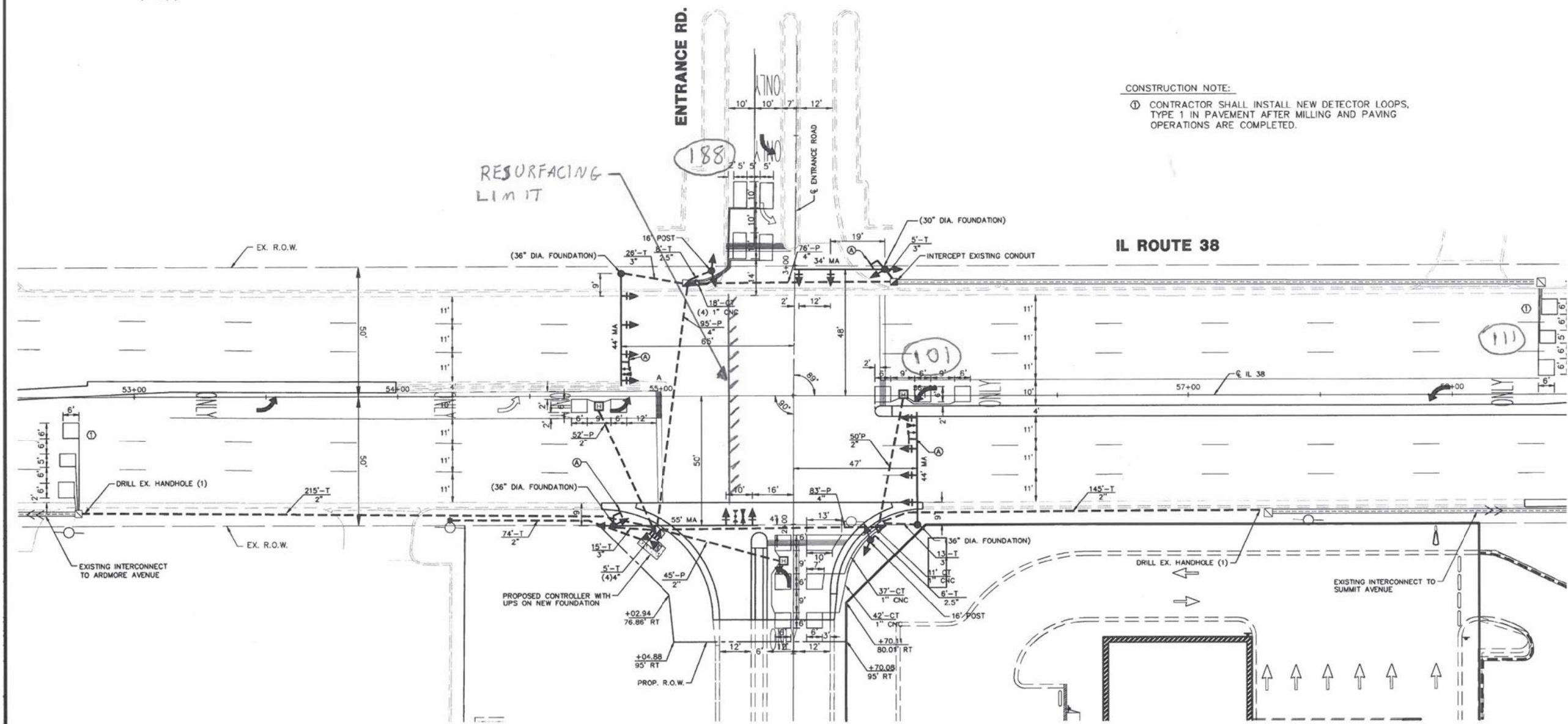
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 WWW.BAXTERANDWOODMAN.COM

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

Ⓐ
LEFT ON GREEN ARROW ONLY
R10-5
24" X 30"
(4-Req'd)



CONSTRUCTION NOTE:
① CONTRACTOR SHALL INSTALL NEW DETECTOR LOOPS, TYPE 1 IN PAVEMENT AFTER MILLING AND PAVING OPERATIONS ARE COMPLETED.



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
86600600	400	FOOT	DETECTOR LOOP, REPLACEMENT

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 LICENSE NO. - 184-00123 - EXPIRES 4/30/2015
 12/17/2016 9:42:00 PM
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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-TS-RTE83-Entrance.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
IL RTE 38 (ROOSEVELT ROAD) AT ENTRANCE ROAD
SCALE: NO SCALE STA. TO STA.

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 68
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

SEE TS SHT NO. 70
MATCH LINE STA. 202+00

REMOVAL NOTES:

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

7 EACH PEDESTRIAN PUSH BUTTON

DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA WITHIN THE PROJECT LIMITS, CONTRACTOR SHALL NOTIFY THE VILLAGE OF VILLA PARK AND THE REDSPEED ILLINOIS, LLC PRIOR TO THE START OF CONSTRUCTION

VILLAGE OF VILLA PARK
20 SOUTH ARDMORE AVENUE
VILLA PARK, IL 60181
P: (630) 834-8505

REDSPEED ILLINOIS, LLC
400 EISENHOWER LANE
LOMBARD, IL 60148
P: (630) 317-5700

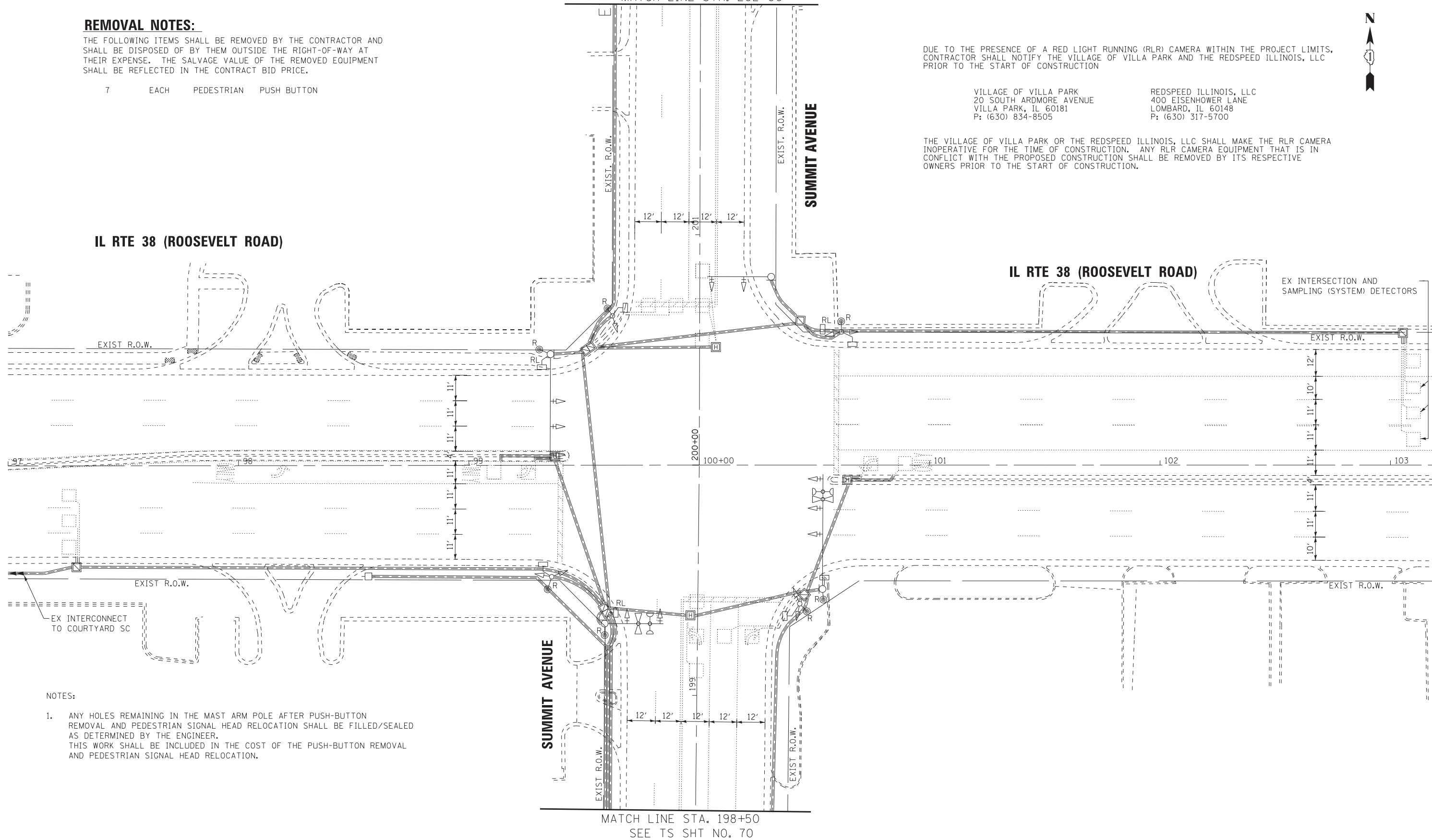
THE VILLAGE OF VILLA PARK OR THE REDSPEED ILLINOIS, LLC SHALL MAKE THE RLR CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.



IL RTE 38 (ROOSEVELT ROAD)

IL RTE 38 (ROOSEVELT ROAD)

EX INTERSECTION AND SAMPLING (SYSTEM) DETECTORS



NOTES:

1. ANY HOLES REMAINING IN THE MAST ARM POLE AFTER PUSH-BUTTON REMOVAL AND PEDESTRIAN SIGNAL HEAD RELOCATION SHALL BE FILLED/SEALED AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PUSH-BUTTON REMOVAL AND PEDESTRIAN SIGNAL HEAD RELOCATION.

MATCH LINE STA. 198+50
SEE TS SHT NO. 70

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLAN
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)
IL RTE 38 (ROOSEVELT ROAD) AT SUMMIT AVENUE

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

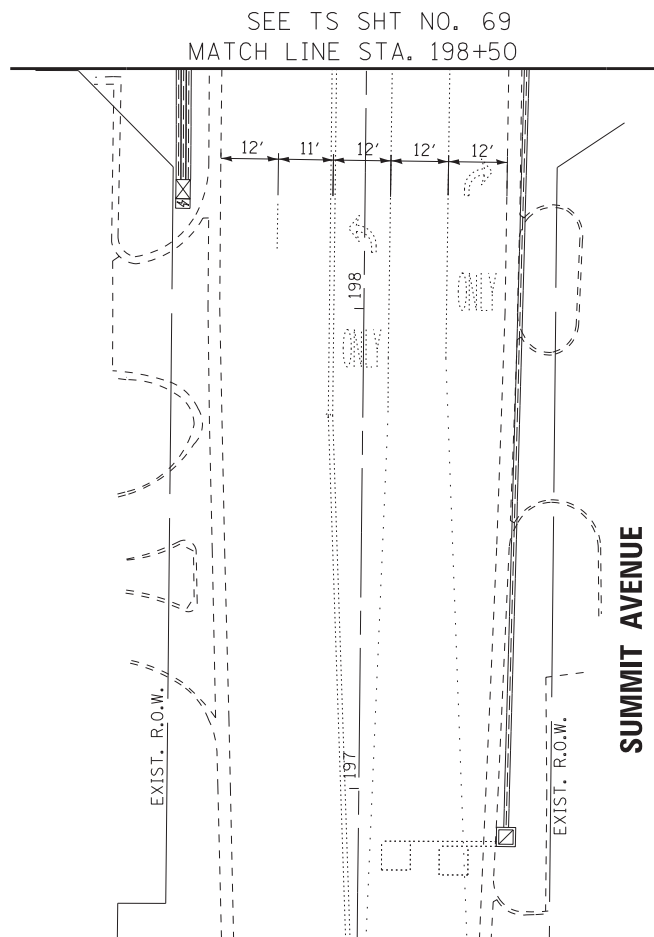
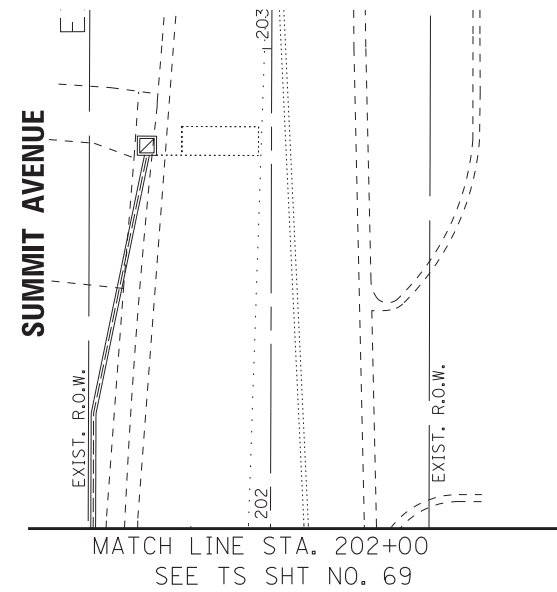
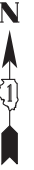
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	69
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

TS 6195

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - RWL	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-TS-Remvl-Summit-Plan.dgn

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	DESIGNED - RWL	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-TS-Remvl-Summit-Plan.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

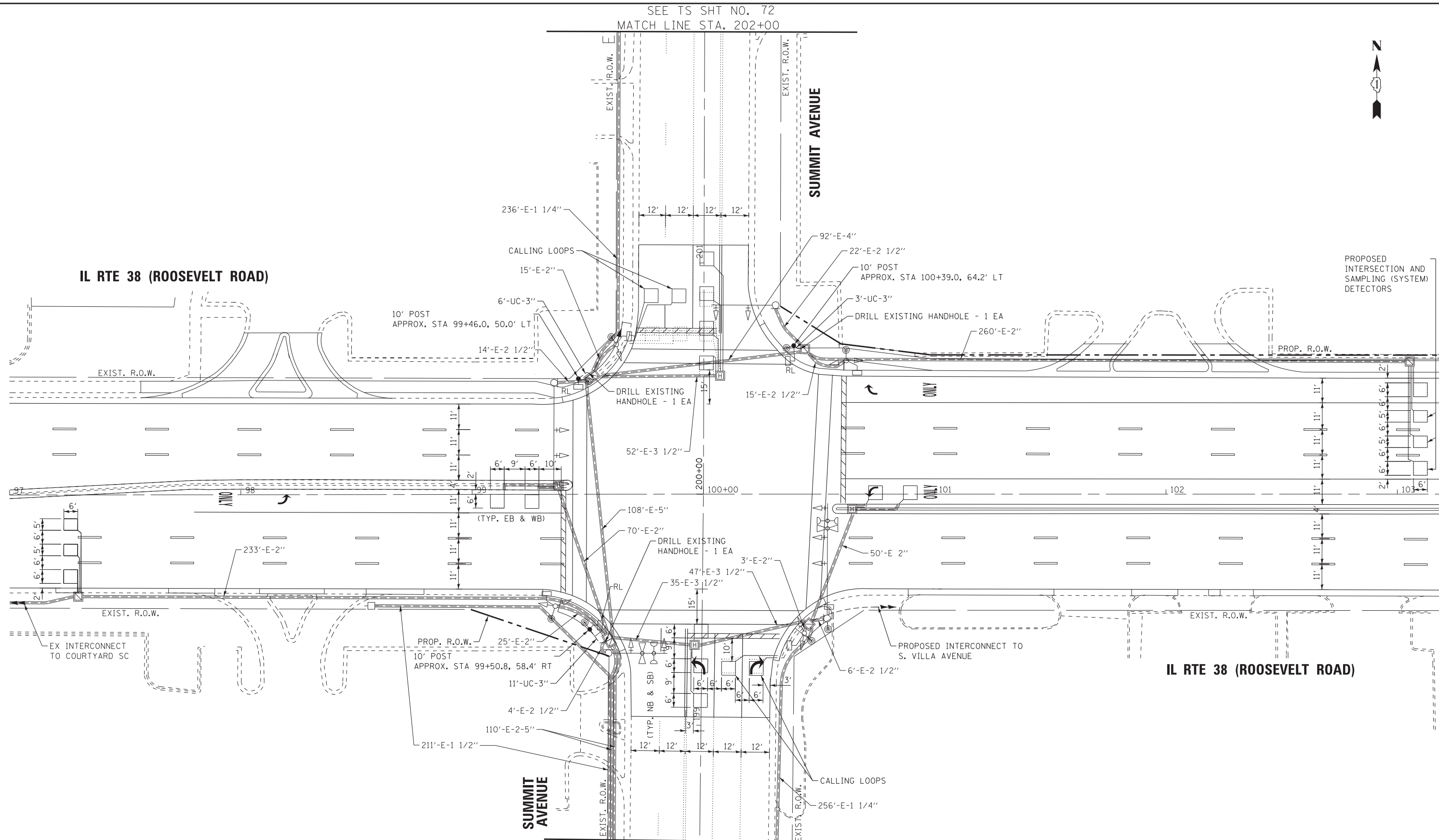
EXISTING TRAFFIC SIGNAL PLAN
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
IL RTE 38 (ROOSEVELT ROAD) AT SUMMIT AVENUE

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)		110	70
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

TS 6195

SEE TS SHT NO. 72
MATCH LINE STA. 202+00



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12/17/2016
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	DESIGNED - RWL	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-TS-Summit-Plan.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
IL RTE 38 (ROOSEVELT ROAD) AT SUMMIT AVENUE

SCALE: 1"=20'
SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	71
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

TS 6195

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DESIGNED -	RWL	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	DJS	REVISED -	
DATE -	10-7-16	FILE -	140183SHT-wo2-TS-Summit-Plan.dgn

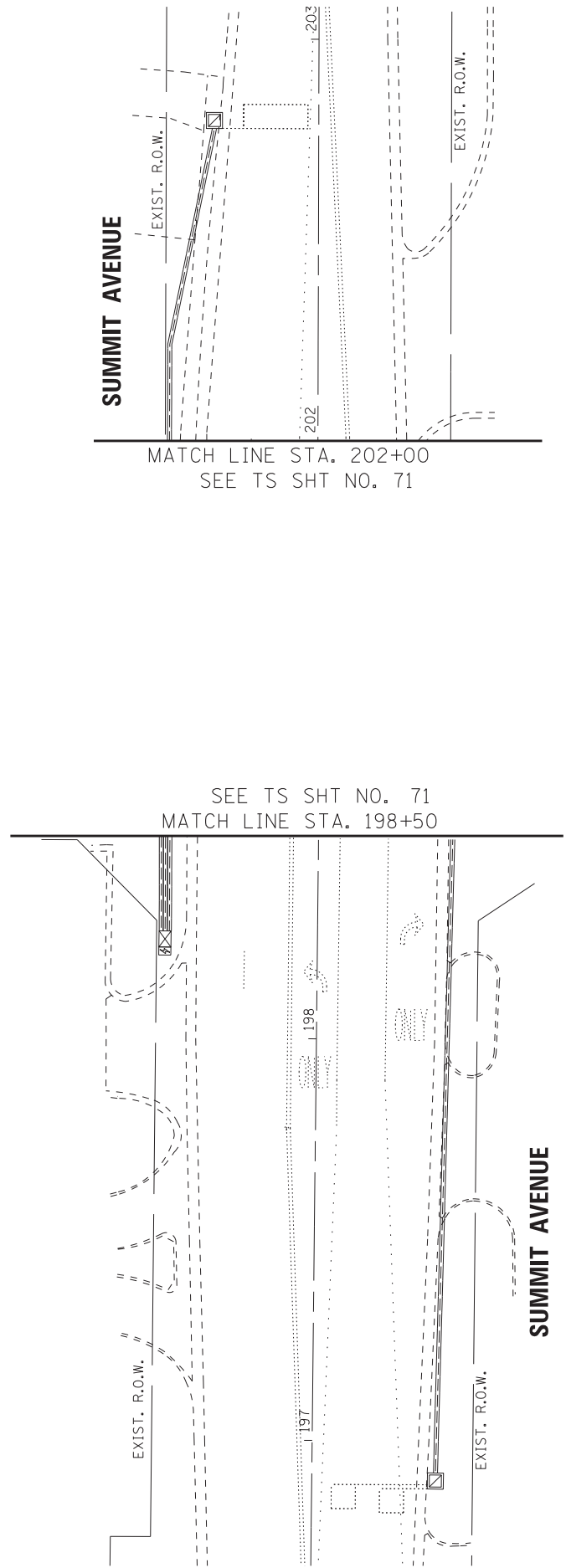
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
IL RTE 38 (ROOSEVELT ROAD) AT SUMMIT AVENUE

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

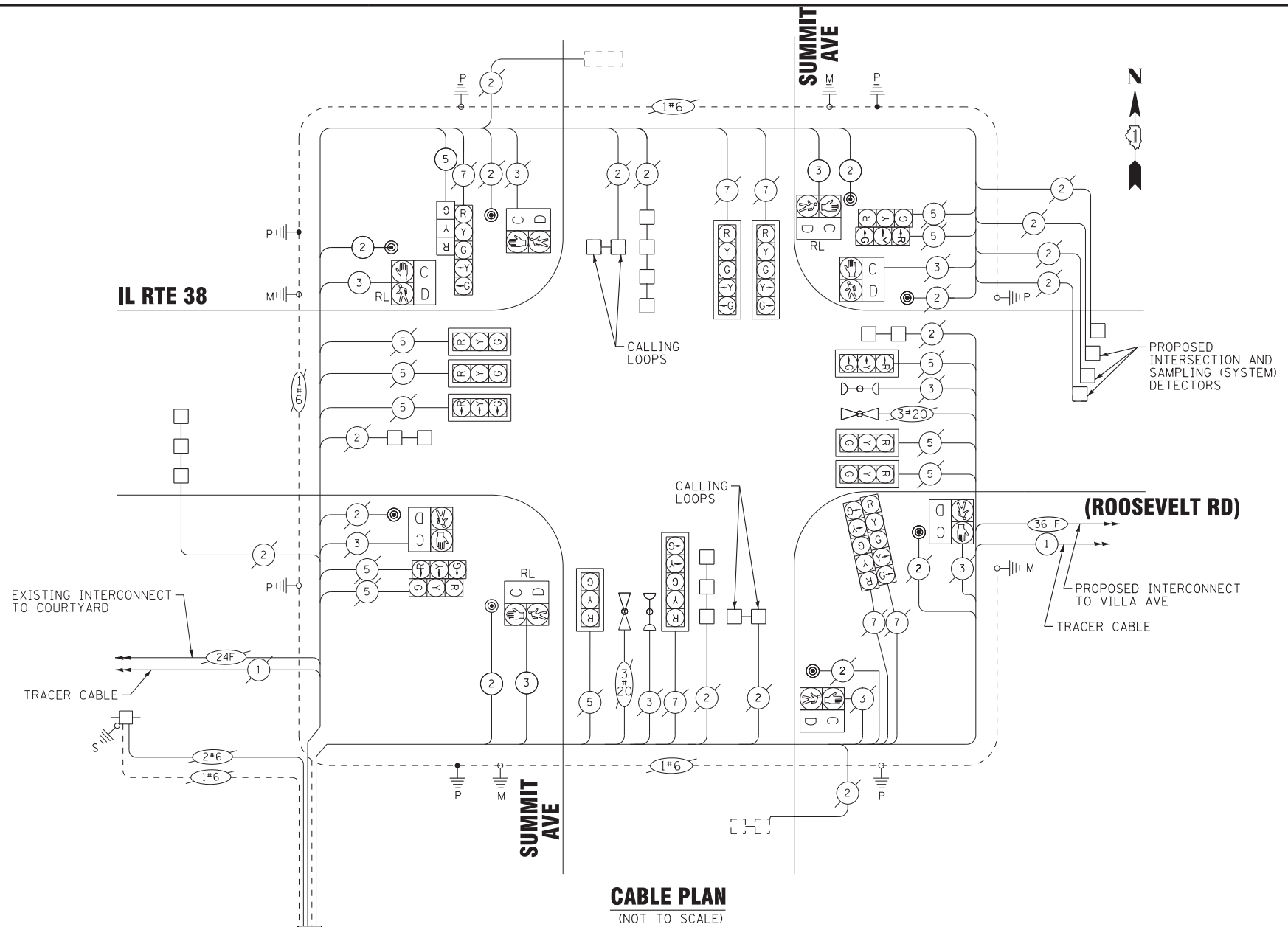
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	72
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

TS 6195



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	20
MAINTAINANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	786
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	807
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	282
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	65
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	12
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
DETECTOR LOOP REPLACEMENT	FOOT	857
PEDESTRIAN PUSH BUTTON	EACH	8
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,258
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



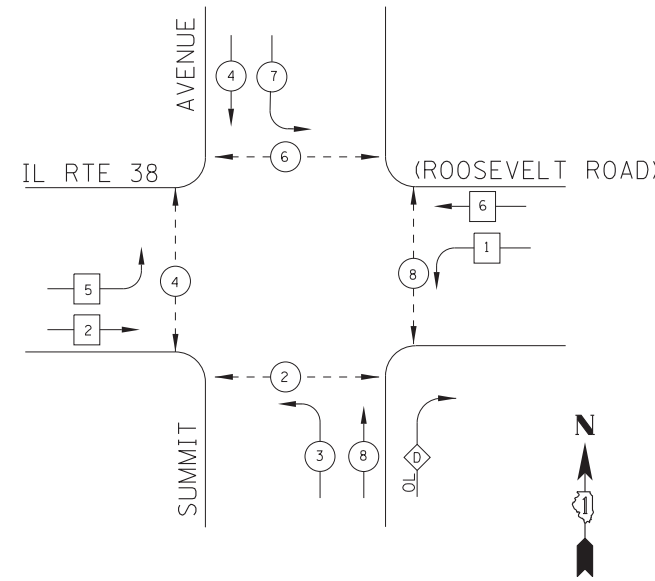
CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

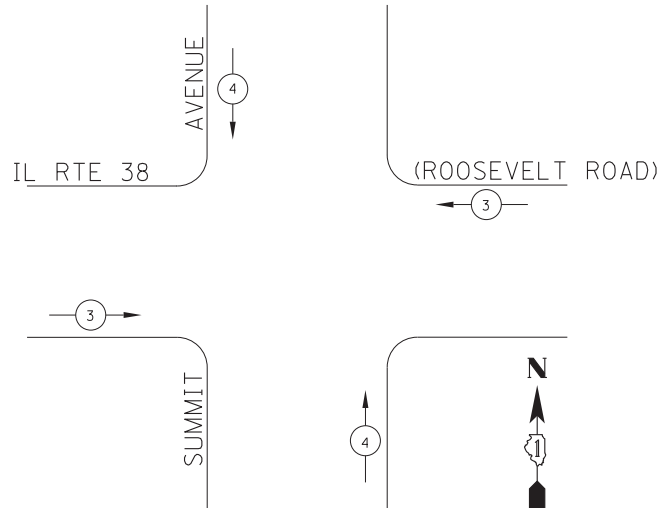
TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	0.50	99.0
(YELLOW)	18	20	0.25	90.0
(GREEN)	18	12	0.25	54.0
PERMISSIVE ARROW	12	10	0.10	12.0
PED. SIGNAL	8	20	1.00	160.0
CONTROLLER	1	100	1.00	100.0
UPS	1	25	1.00	25.0
VIDEO SYSTEM	-	150	1.00	-
ILLUM. SIGN	-	25	0.05	-
FLASHER	-	-	0.50	-
TOTAL =				540.0

ENERGY COSTS TO:
VILLAGE OF VILLA PARK
 20 SOUTH ARDMORE
 VILLA PARK, IL 60181-2610
 ENERGY SUPPLY: CONTRACT: NANCY PICCHIOTTINO
 PHONE: (630) 691-4863
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

- * — SINGLE ENTRY PHASE
- * — DUAL ENTRY PHASE
- * — PEDESTRIAN PHASE
- * — OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER PERMISSIVE PHASE PROTECTIVE PHASE
 D = 8 + 1

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM
 EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
 IL RTE 38 (ROOSEVELT ROAD) AT SUMMIT AVENUE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

TS 6195

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2015
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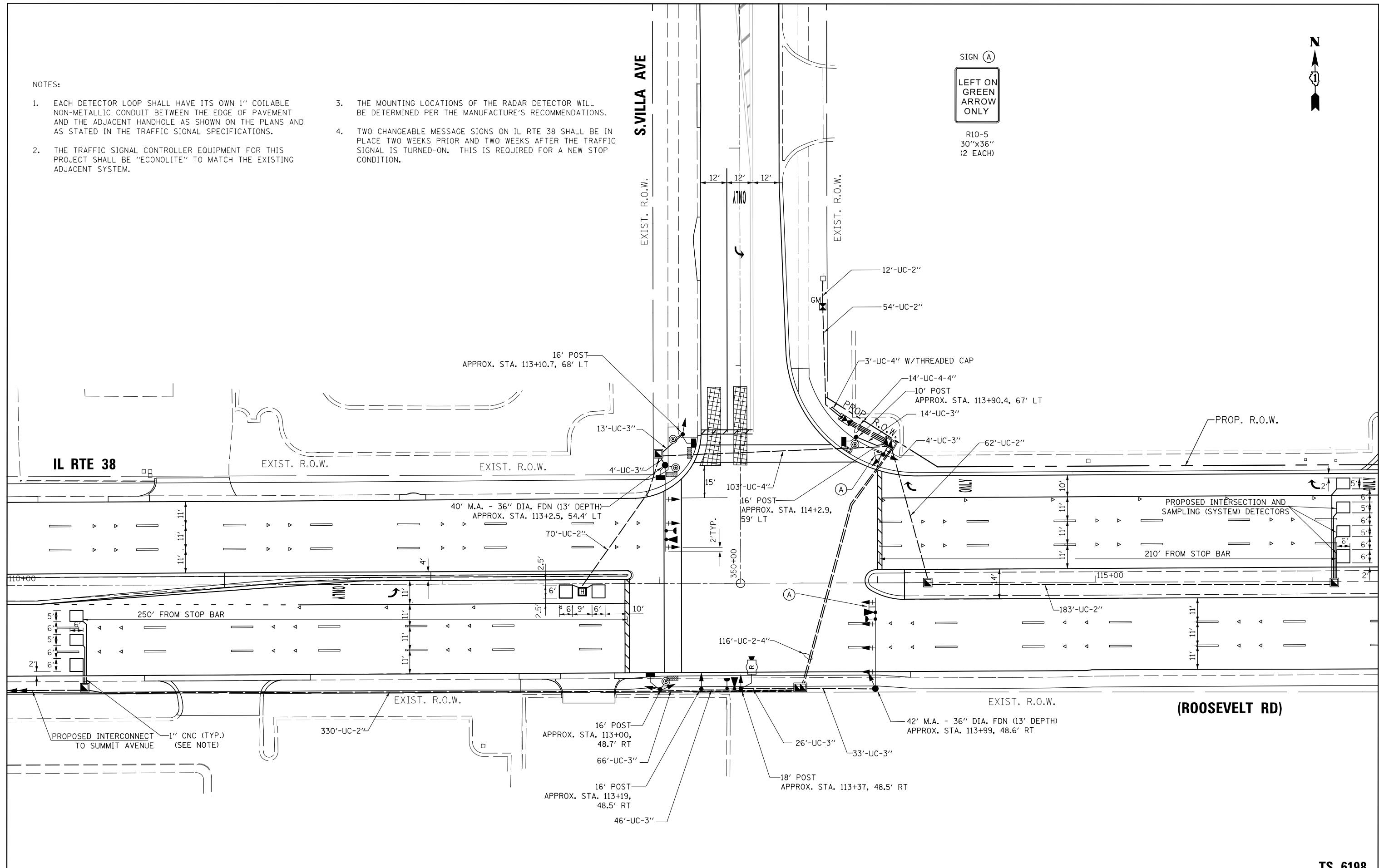
DESIGNED - RWL	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-TS-Summit-Cable-Plan.dgn



NOTES:

- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
- THE MOUNTING LOCATIONS OF THE RADAR DETECTOR WILL BE DETERMINED PER THE MANUFACTURE'S RECOMMENDATIONS.
- TWO CHANGEABLE MESSAGE SIGNS ON IL RTE 38 SHALL BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED-ON. THIS IS REQUIRED FOR A NEW STOP CONDITION.

SIGN (A)
**LEFT ON GREEN
 ARROW
 ONLY**
 R10-5
 30"x36"
 (2 EACH)



FILE NAME = TS-08 Signal installation.dgn
 PLOT DATE = 12/30/2016
 PLOT SCALE = 40.8424' / 1" in.

SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60606
 phone: 312.277.8800
 fax: 312.277.8888
 web: www.spaan-tech.com

DESIGNED - MA	REVISED -
DRAWN - CADD	REVISED -
CHECKED - MA	REVISED -
DATE - 10/10/2016	REVISED -

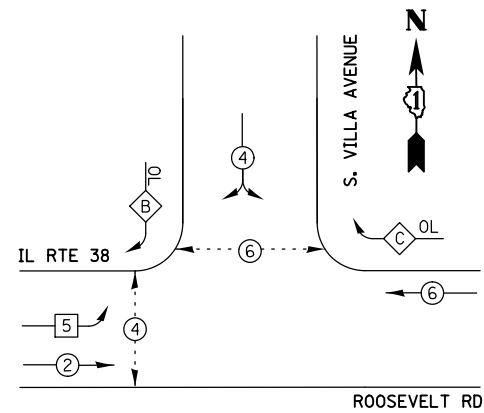
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
 IL ROUTE 38 (ROOSEVELT ROAD) AND S. VILLA AVENUE**
 SCALE: 1' = 20" SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)		110	74
CONTRACT NO. 60X87			ILLINOIS	

TS 6198

PROPOSED CONTROLLER SEQUENCE

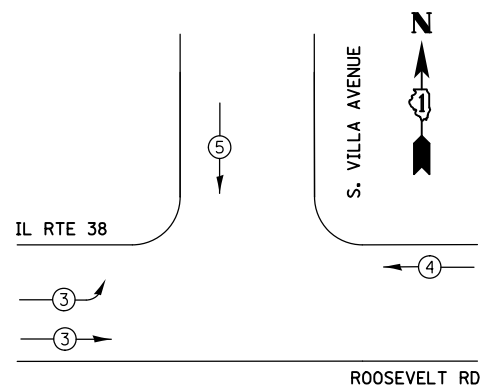


- LEGEND**
- ⊙ → DUAL ENTRY PHASE
 - ⊠ → SINGLE ENTRY PHASE
 - ⊠ OL → OVERLAP
 - ⊙ → PEDESTRAIN PHASE
 - * → NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4 +	5
C	= 6 +	7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

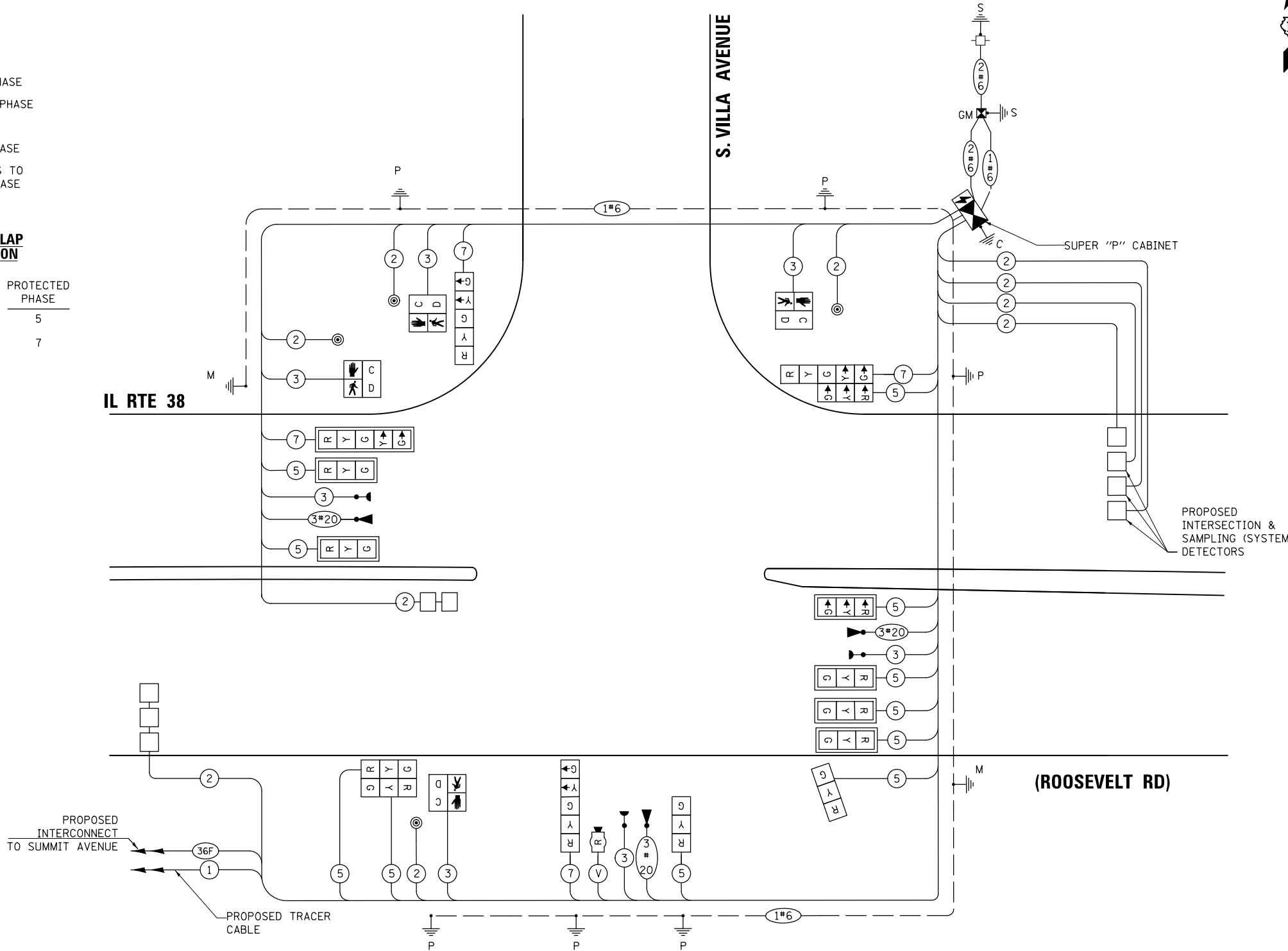
TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
ILLUM. SIGN	-	150	100	
VIDEO SYSTEM	-	25	100	
FLASHER	-	-	50	

ENERGY COSTS TO: TOTAL = 391.5

VILLAGE OF VILLA PARK

20 SOUTH ARDMORE
VILLA PARK, IL 60181-2610

ENERGY SUPPLY: CONTACT: NANCY PICCHIOTTINO
PHONE: (630) 691-4863
COMPANY: COMMONWEALTH EDISON



CABLE PLAN
(NOT TO SCALE)

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

FILE NAME = TS-09 Signal cabling plan.dwg
PLOT DATE = 12/21/2016
PLOT SCALE = 40.0424' / in.

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
phone: 312.277.8800
fax: 312.277.8888
web: www.spaan-tech.com

DESIGNED - MA	REVISED -
DRAWN - CADD	REVISED -
CHECKED - MA	REVISED -
DATE - 10/10/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL. ROUTE 38 (ROOSEVELT ROAD) AND S. VILLA AVENUE**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	75

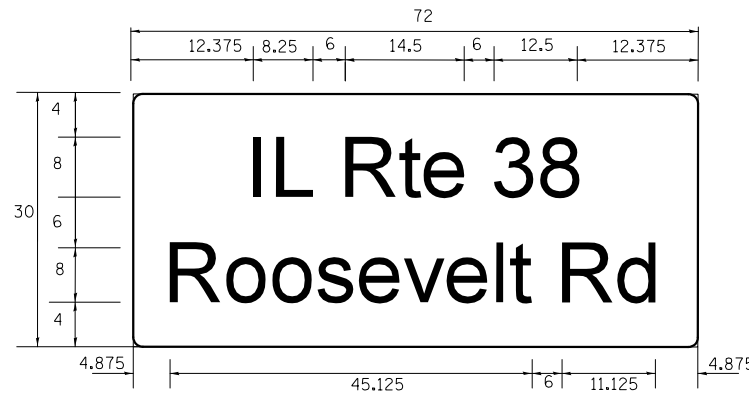
CONTRACT NO. 60X87

TS 6198

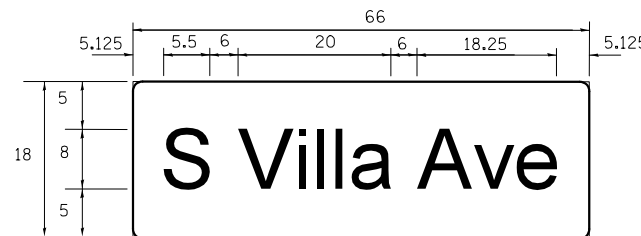
ILLINOIS

SCHEDULE OF QUANTITIES

SIGN PANEL – TYPE 1 OR 2



DESIGN SERIES	AREA (SQ. FT)	SIGN PANEL TYPE	SHEETING TYPE	QUANTITY REQUIRED
D	15	2	ZZ	1



DESIGN SERIES	AREA (SQ. FT)	SIGN PANEL TYPE	SHEETING TYPE	QUANTITY REQUIRED
D	8.25	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL

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

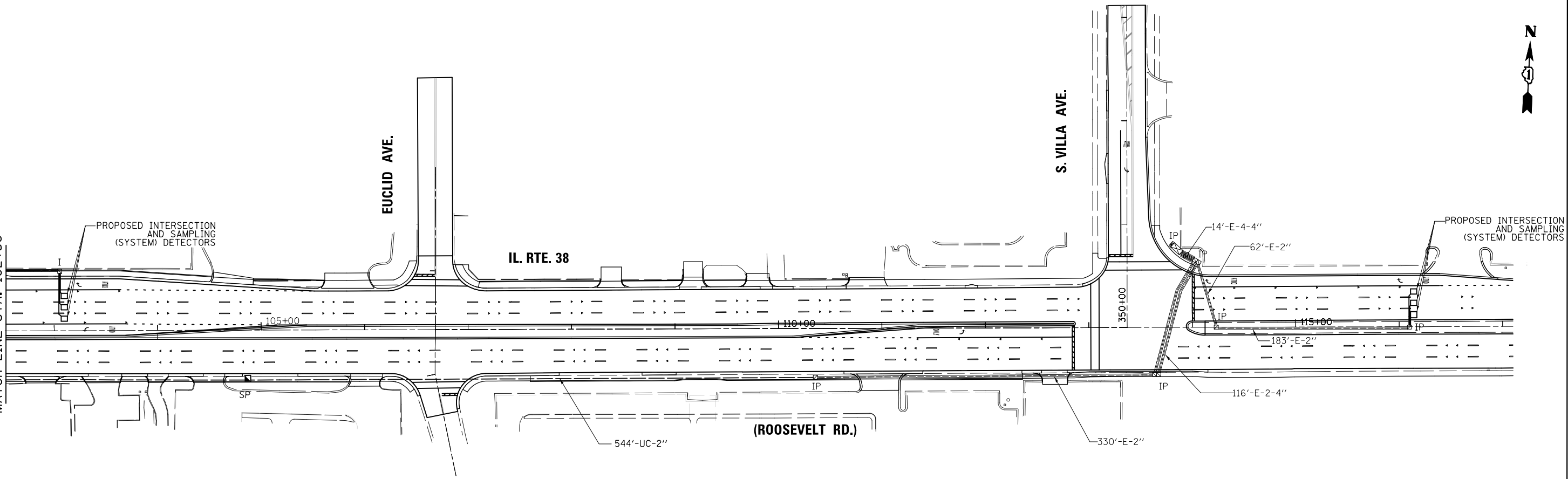
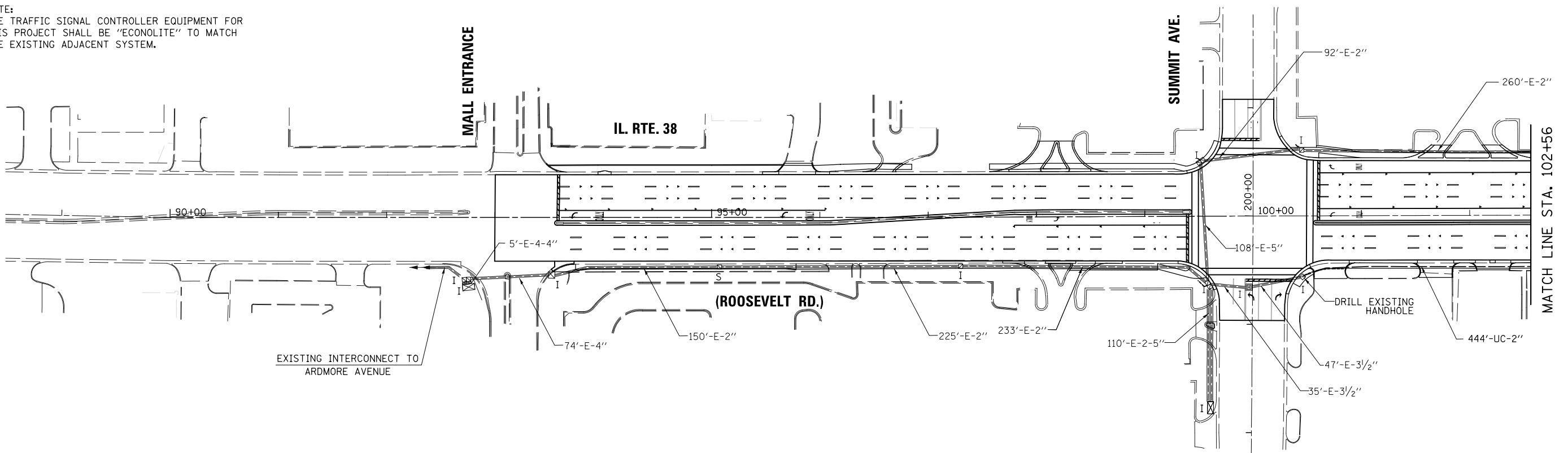
ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	32
SIGN PANEL - TYPE 2	SQ FT	15
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	711
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	206
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	394
HANDHOLE	EACH	4
HEAVY DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	640
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1350
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,400
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	653
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,910
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	120
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	730
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	28
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	7
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	366
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
* PEDESTRIAN PUSH-BUTTON	EACH	4
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	EACH	690
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	FOOT	1
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1

* 100% COST TO THE VILLAGE OF VILLA PARK

TS 6198

FILE NAME = TS-10 SIGN & QTY.dgn PLOT DATE = 12/21/2016 PLOT SCALE = 40.0424' / 1"	SPAAN Tech, Inc. 311 South Wacker Drive, Suite 2400 Chicago, IL 60606 phone: 312.277.8800 fax: 312.277.8888 web: www.spaan-tech.com	DESIGNED - MA DRAWN - CADD CHECKED - MA DATE - 10/10/2016	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES IL ROUTE 38 (ROOSEVELT ROAD) AND S. VILLA AVENUE	F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY	TOTAL SHEETS 110	SHEET NO. 76
		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60X87		ILLINOIS		

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



FILE NAME = TS-11-interconnect_installation.dgn
PLOT DATE = 12/21/2016
PLOT SCALE = 1/8" = 1'-0"

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
phone: 312.277.8800
fax: 312.277.8888
web: www.spaan-tech.com

DESIGNED - MA	REVISED -
DRAWN - CADD	REVISED -
CHECKED - MA	REVISED -
DATE - 10/06/2016	REVISED -

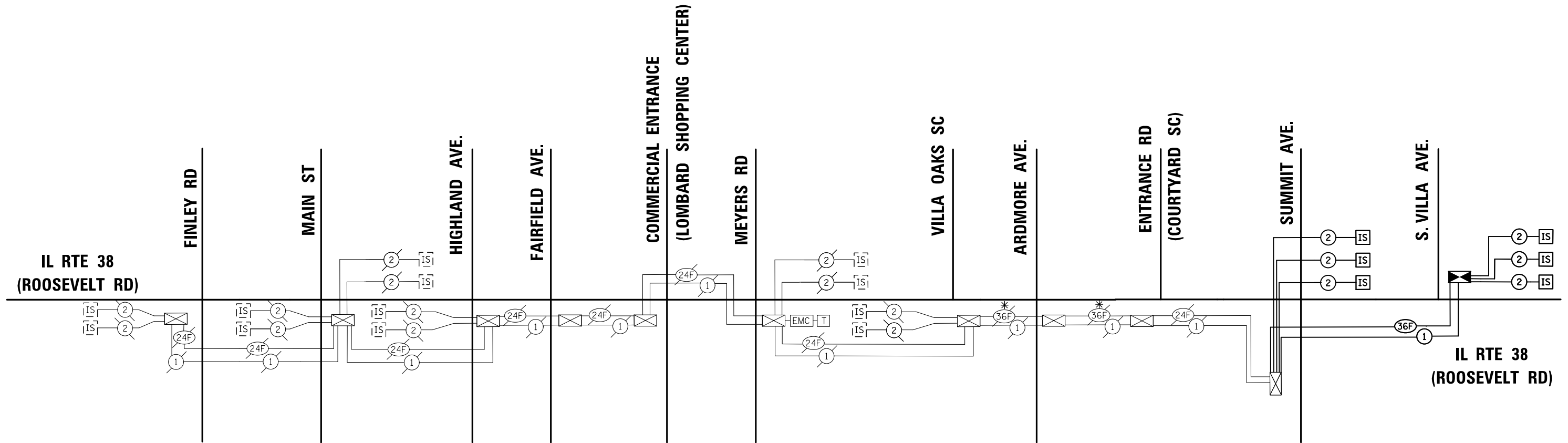
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
IL. ROUTE 38 (ROOSEVELT ROAD) - SUMMIT AVENUE TO S. VILLA AVENUE**

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

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 77
ILLINOIS				

ECON 44



* WORK TO BE DONE UNDER STATE CONTRACT 60V00

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	988
HANDHOLE	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,748
DRILL EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1,748
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

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

FILE NAME = TS-12 INTERCONNECT SCHEMATIC.dgn
PLOT DATE = 12/21/2016
PLOT SCALE = 1/8" = 1' / in.

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
phone: 312.277.8880
fax: 312.277.8888
web: www.spaan-tech.com

DESIGNED - MA	REVISED -
DRAWN - CADD	REVISED -
CHECKED - MA	REVISED -
DATE - 10/06/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC
AND SCHEDULE OF QUANTITIES**
IL. ROUTE 38 (ROOSEVELT ROAD) - SUMMIT AVENUE TO S. VILLA AVENUE
SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION (CY&543R)TS(14)	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 78
ILLINOIS				



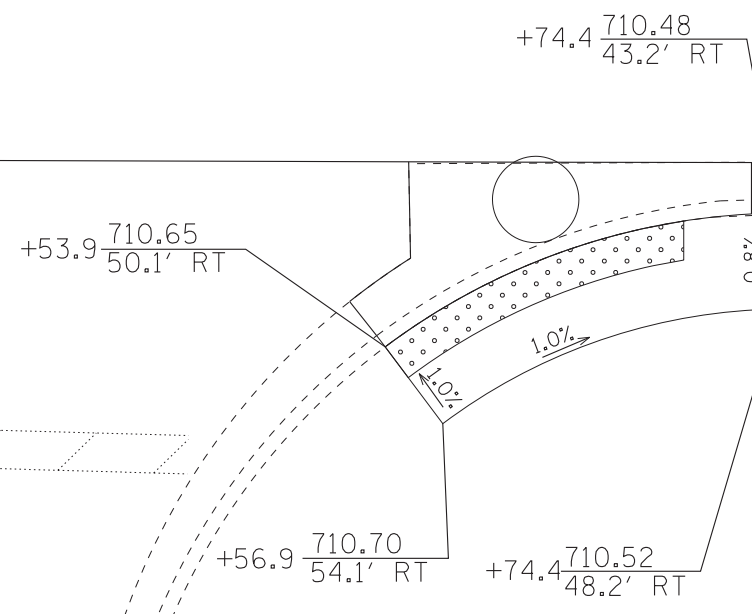
93

ONLY

94

IL RTE 38 (ROOSEVELT ROAD)

ENTRANCE



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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
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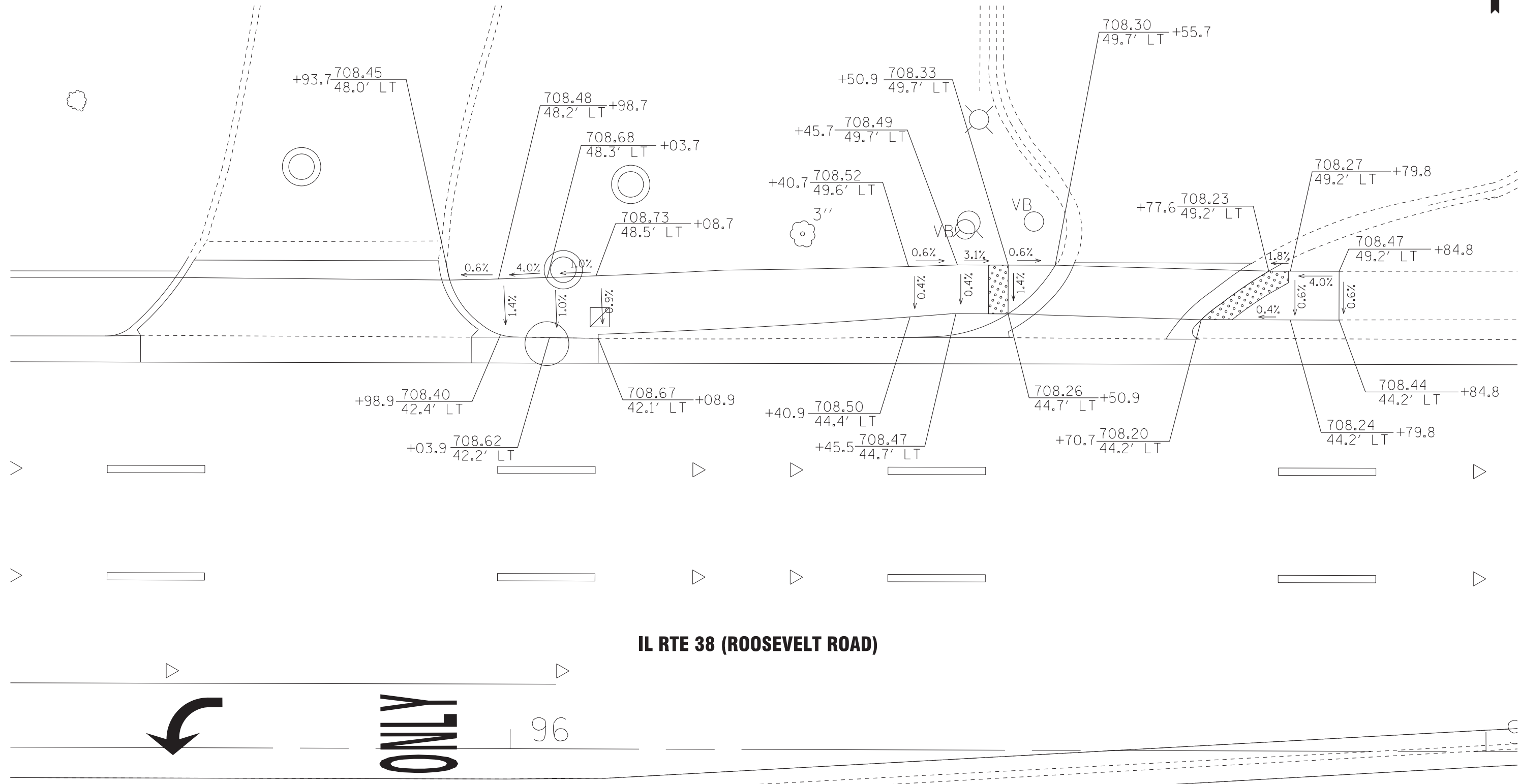
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT ENTRANCE (SOUTH)**

SCALE: 1"=5'

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	80
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	



IL RTE 38 (ROOSEVELT ROAD)



ONLY

96

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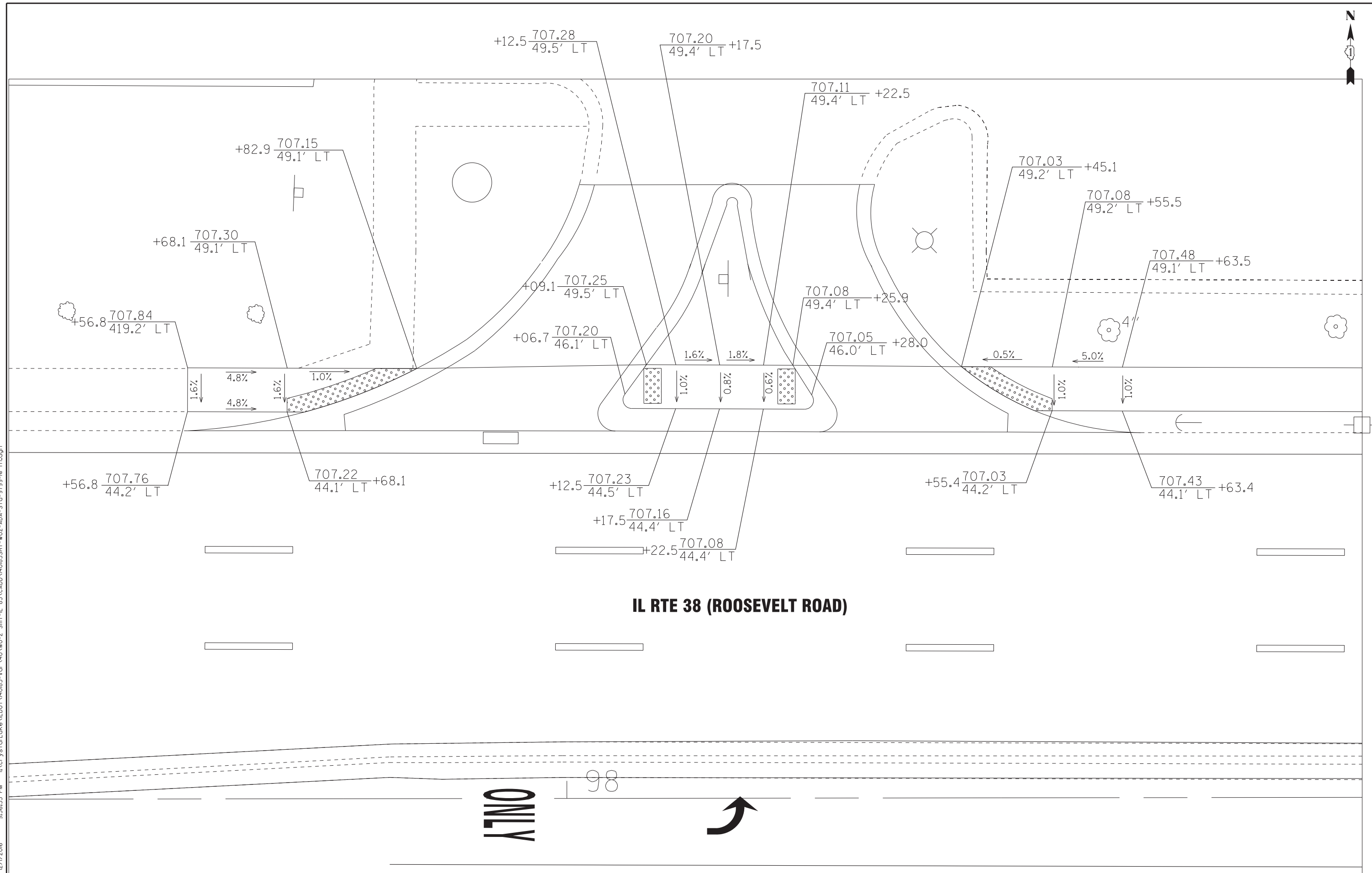
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DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-ADA-Sta-9668-Nr.th.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT ENTRANCE STA 96+68 (NORTH)**

SCALE: 1"=5' STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	81
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	



IL RTE 38 (ROOSEVELT ROAD)

NO LEFT TURN

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-ADA-Sta-97+99-Nr.th.dgn

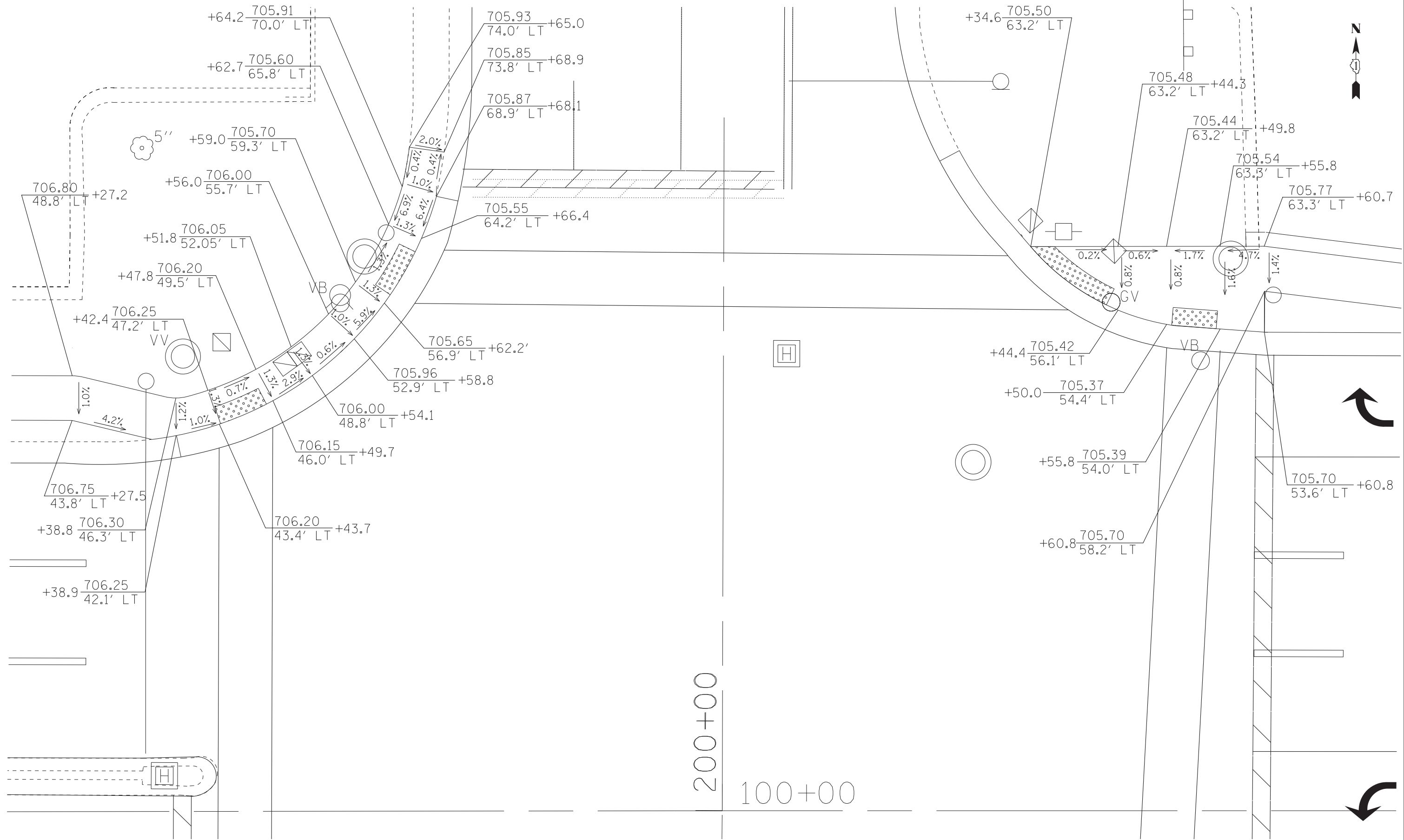
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT ENTRANCE STA 97+99 (NORTH)**

SCALE: 1"=5' STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	82
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

SUMMIT AVENUE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT SUMMIT AVE (NORTH)**

SCALE: 1"=5'

STA. TO STA.

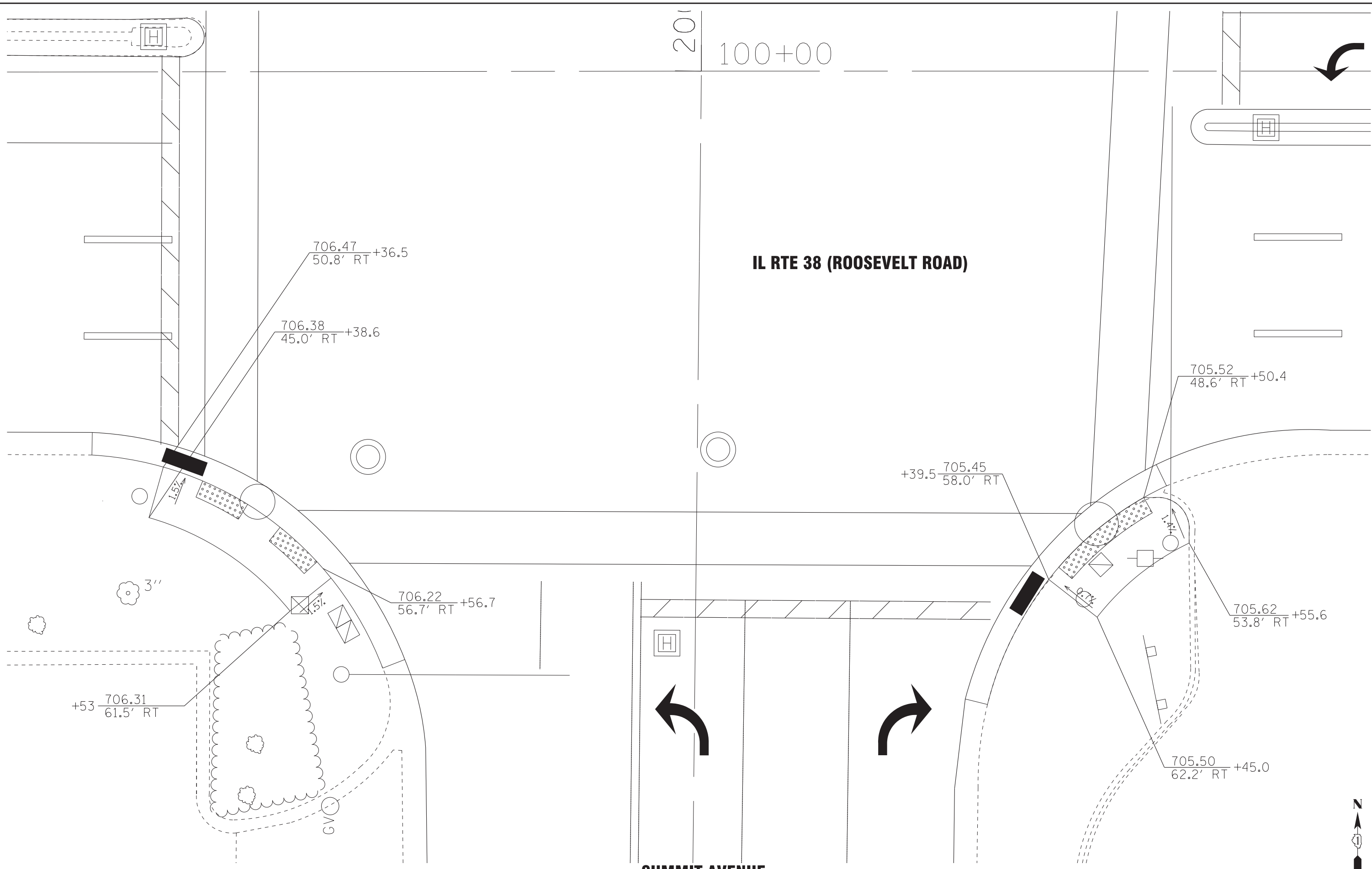
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347	(CY&543R)TS(14)	DUPAGE	110	83
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-ADA-Summit-Nr.th.dgn

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BAXTER & WOODMAN <small>Consulting Engineers</small>	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-ADA-Summit-South.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT SUMMIT AVE (SOUTH)

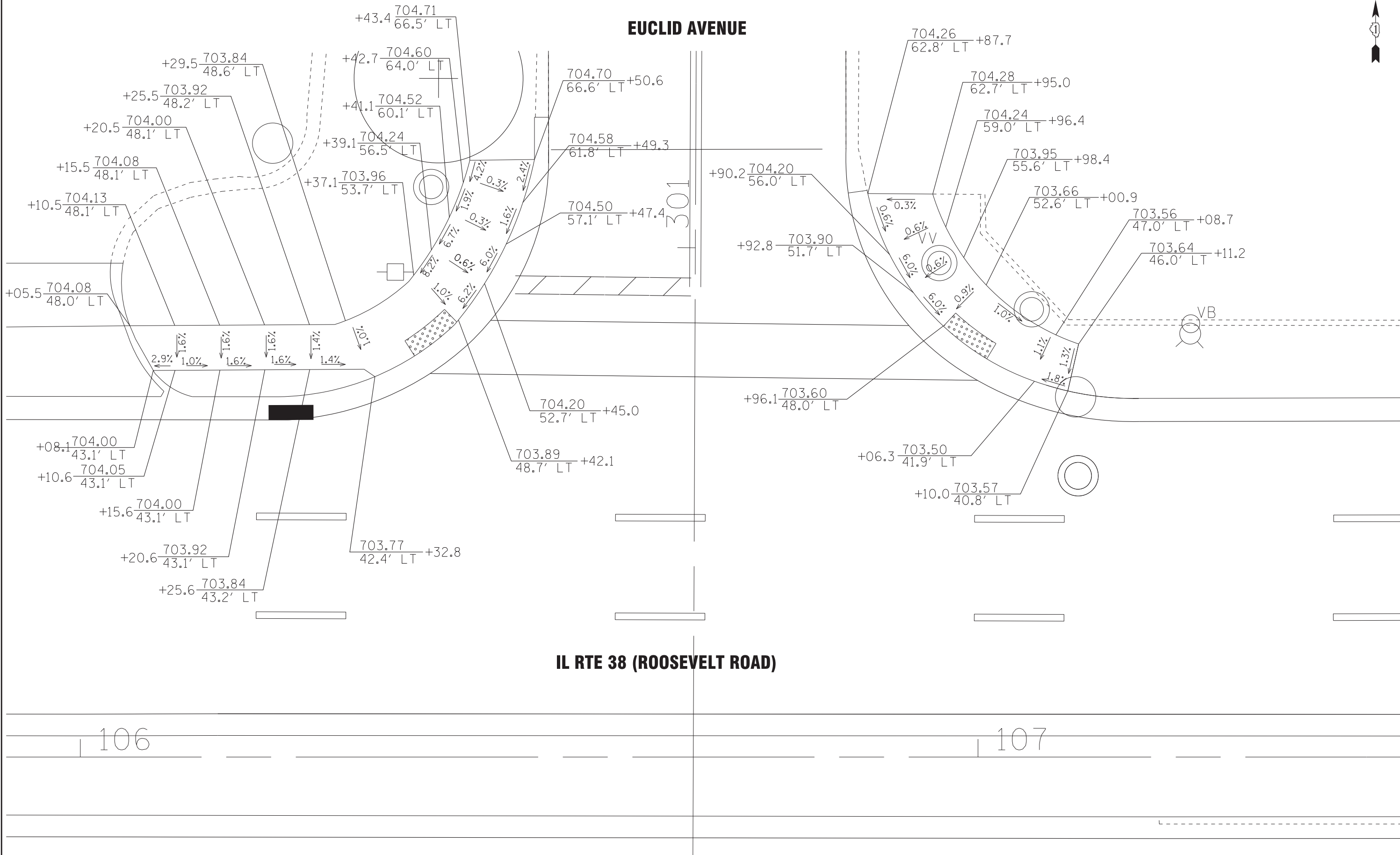
SCALE: 1"=5' STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	84
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	



EUCLID AVENUE

IL RTE 38 (ROOSEVELT ROAD)



106

107

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DESIGNED - JDM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-ADA-Euclid-Nr.th.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT EUCLID AVE (NORTH)**

SCALE: 1"=5'

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	85
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

IL RTE 38 (ROOSEVELT ROAD)

1300+00

EUCLID AVENUE

+38.8 703.22
54.8' RT

703.12
61.0' RT +44.2

703.05
58.5' RT +48.5

703.15
50.9' RT +42.0

+94 702.54
57.8' RT

+01.7 702.63
50.2' RT

702.60
60.5' RT +99.1

702.70
54.3' RT +04.8

INSP WELL

10"

5"

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DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-ADA-Euclid-South.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT EUCLID AVE (SOUTH)**

SCALE: 1"=5'

STA. TO STA.

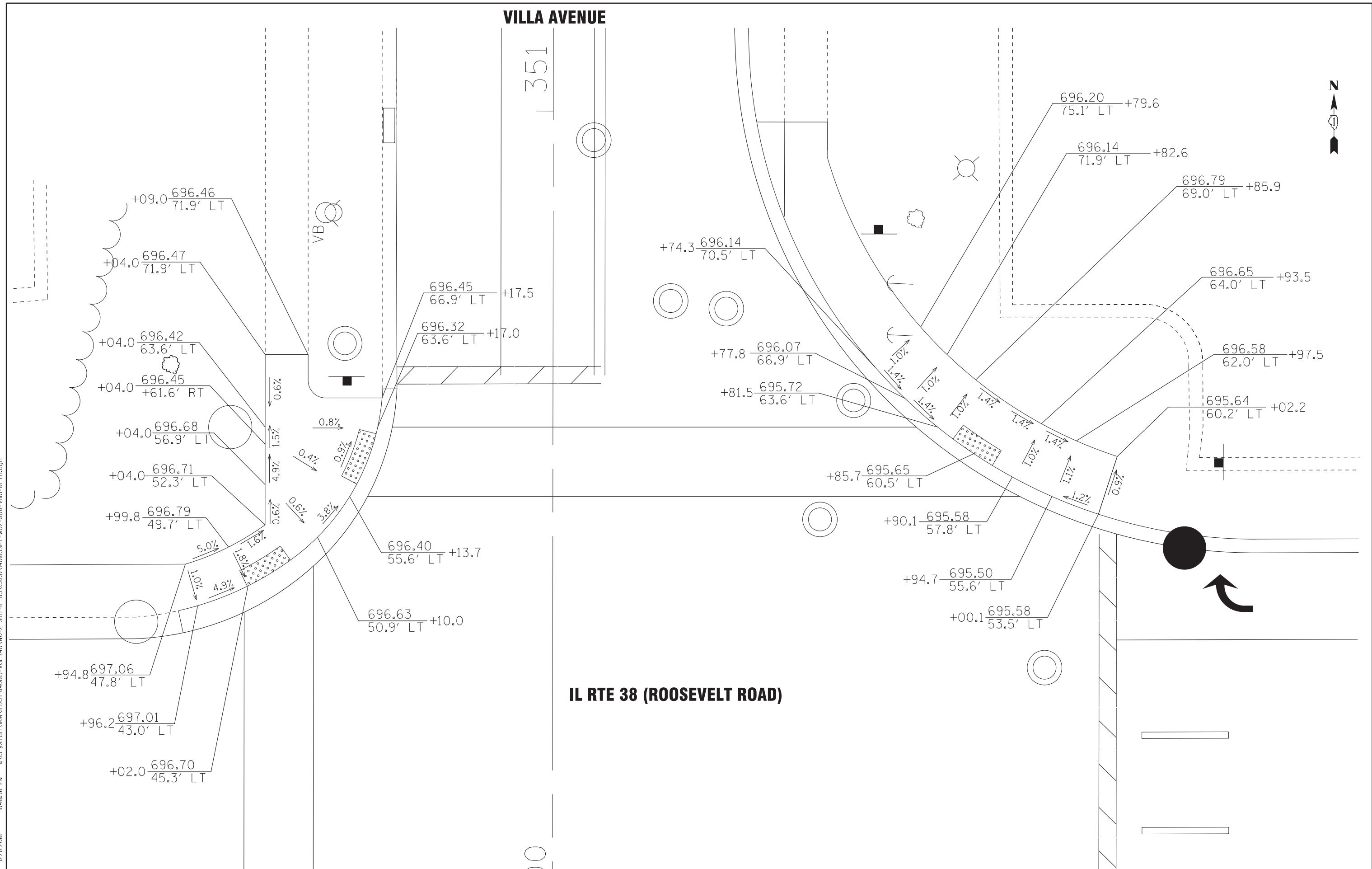
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	86
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	



VILLA AVENUE

351

IL RTE 38 (ROOSEVELT ROAD)



	DESIGNED - JDM	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-7-16	FILE - 140183SHT-wo2-ADA-Villa-Nr.th.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT VILLA AVE (NORTH)**

SCALE: 1"=5'

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	87
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

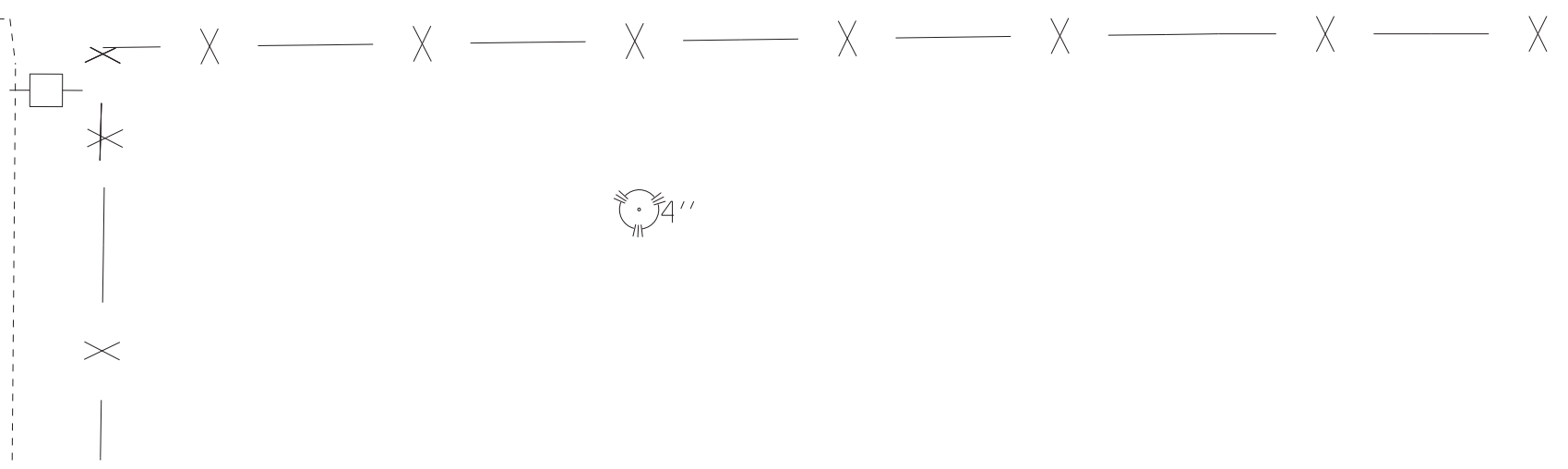
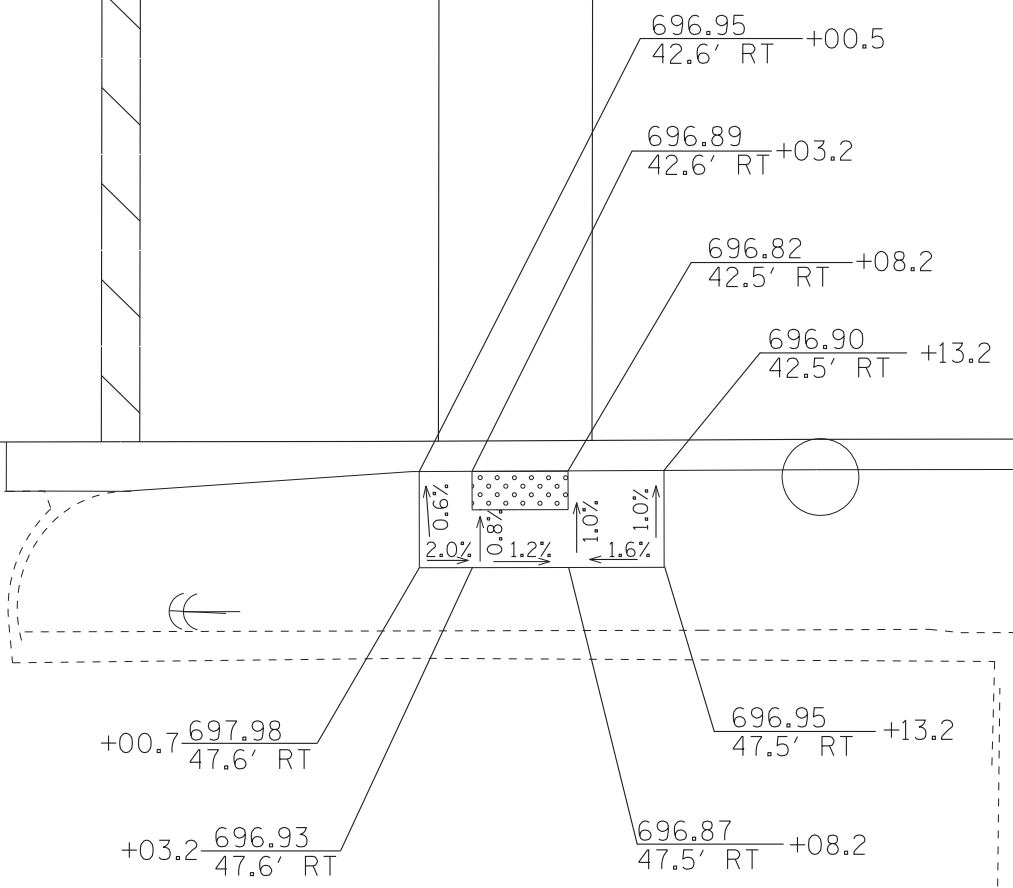


IL RTE 38 (ROOSEVELT ROAD)

350+00

113

114



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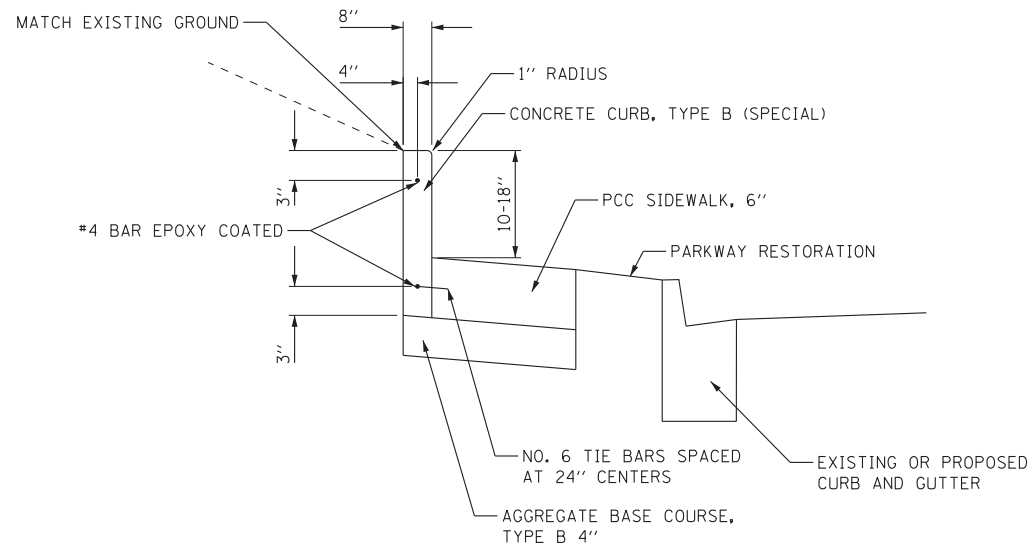
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DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-7-16	FILE - 140183SHT-wo2-ADA-Villa-South.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAIL - IL RTE 38 (ROOSEVELT RD)
AT VILLA AVE (SOUTH)**

SCALE: 1"=5' STA. TO STA.

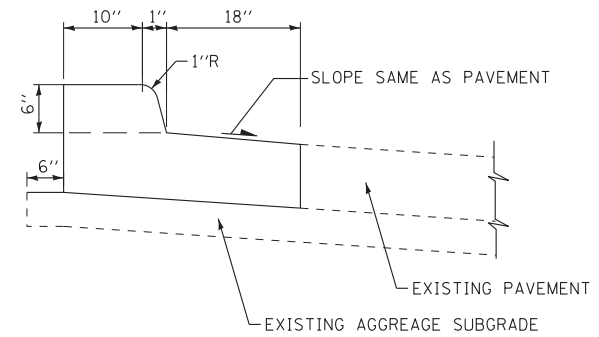
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	88
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	



SEE HIGHWAY STANDARD 606001 FOR
DETAILS NOT SHOWN

CONCRETE CURB, TYPE B (SPECIAL)

DETAIL
(NO SCALE)



COMB CONC C&G TYPE B-6.18 (MODIFIED)

(NO SCALE)

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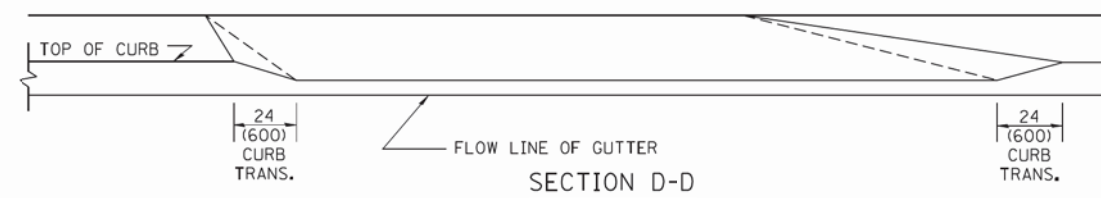
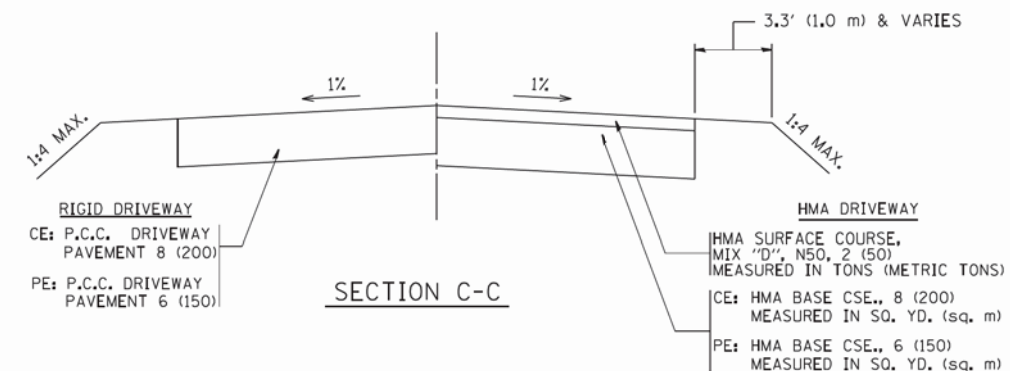
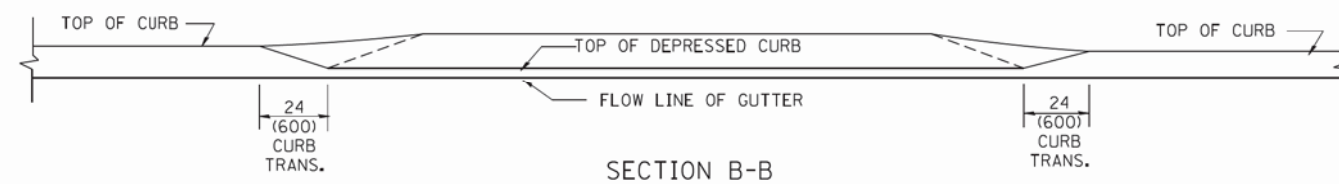
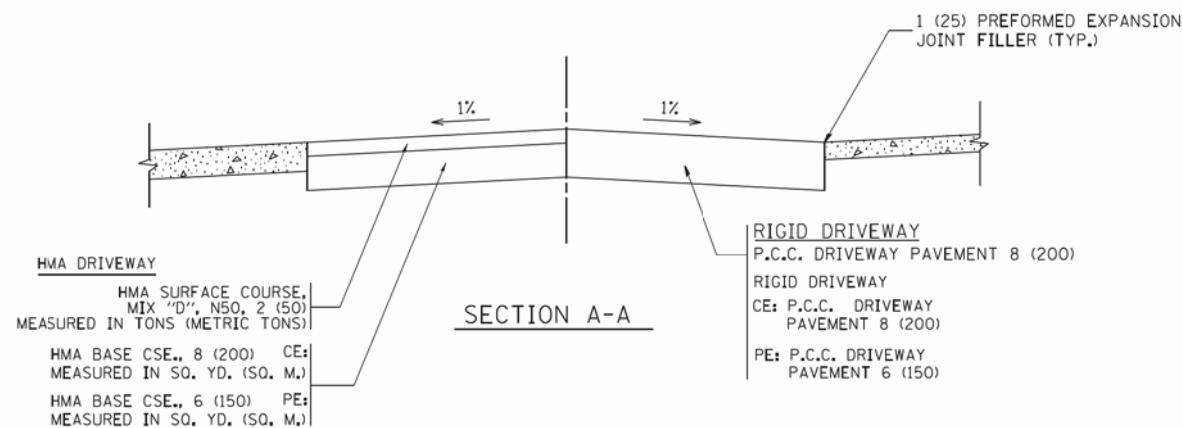
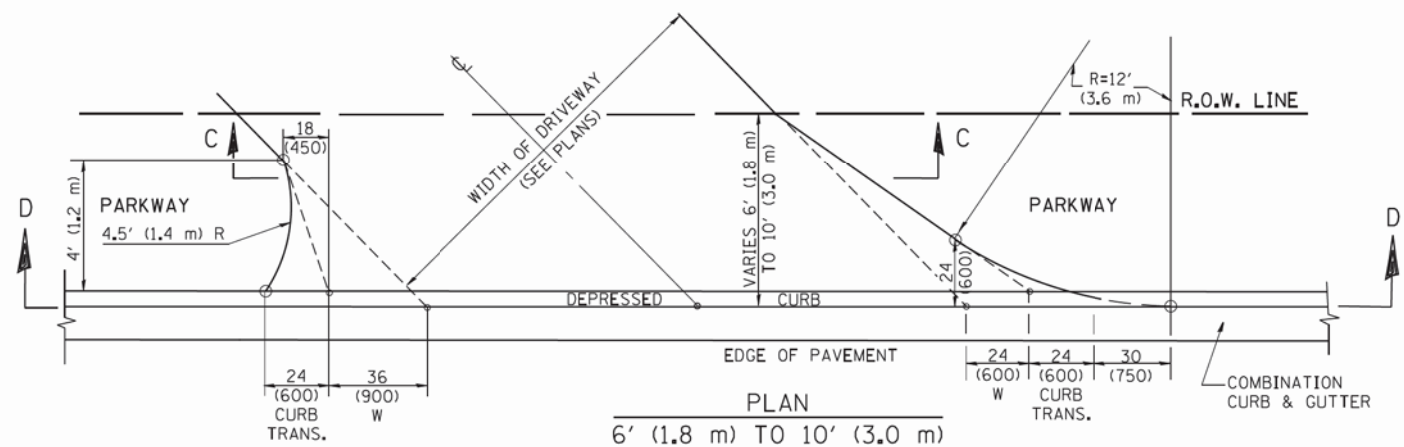
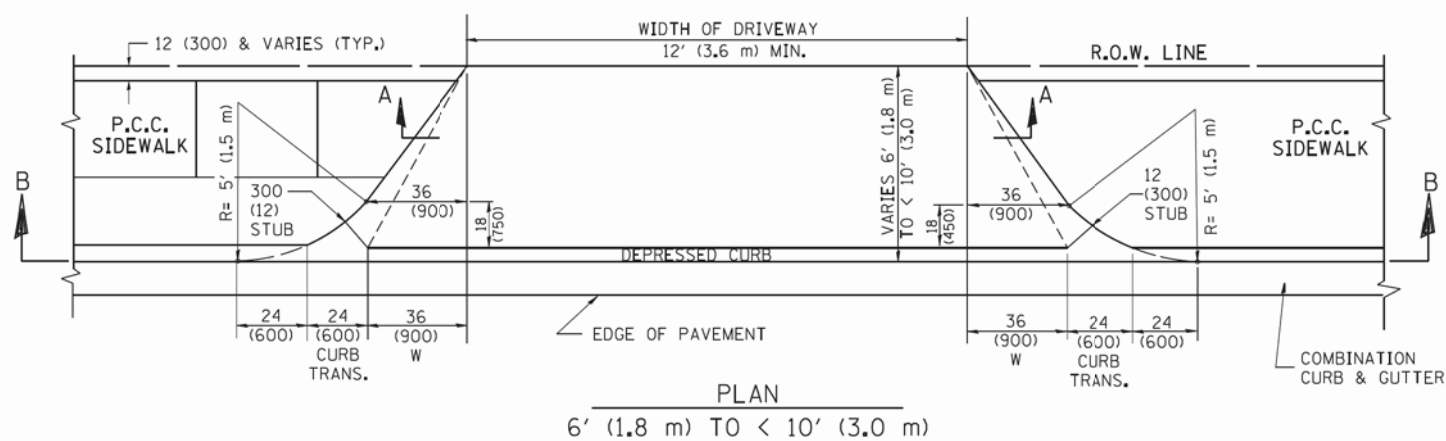
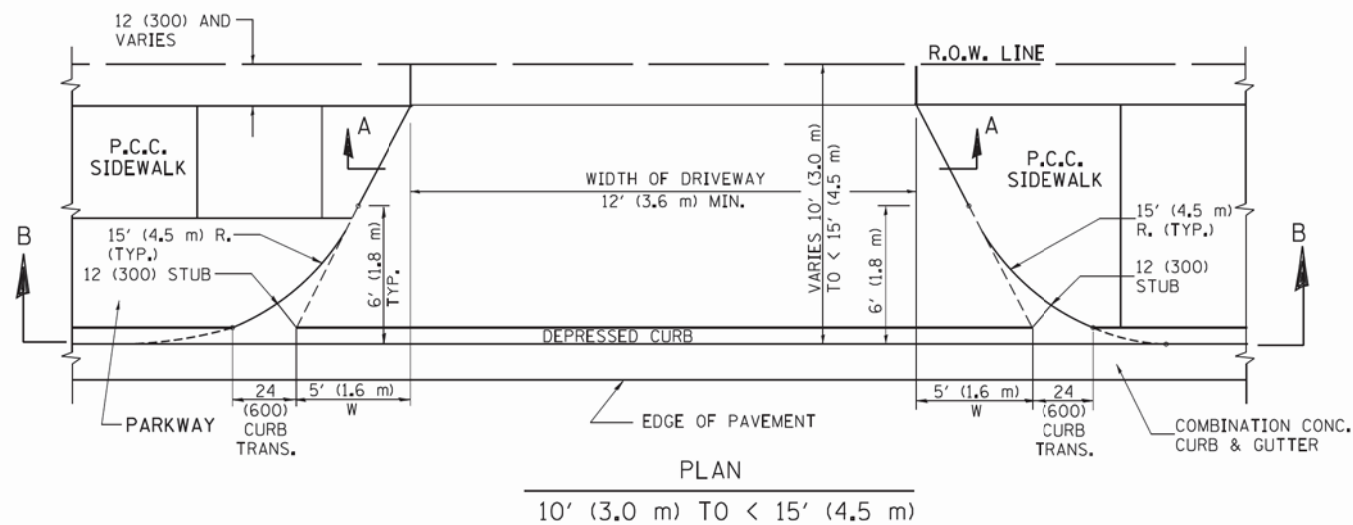
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DRAWN -	UKB	REVISED -	
CHECKED -	DJS	REVISED -	
DATE -	10-7-16	FILE -	140183SHT-wo2-Details.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS

SCALE: _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	89
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	



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.

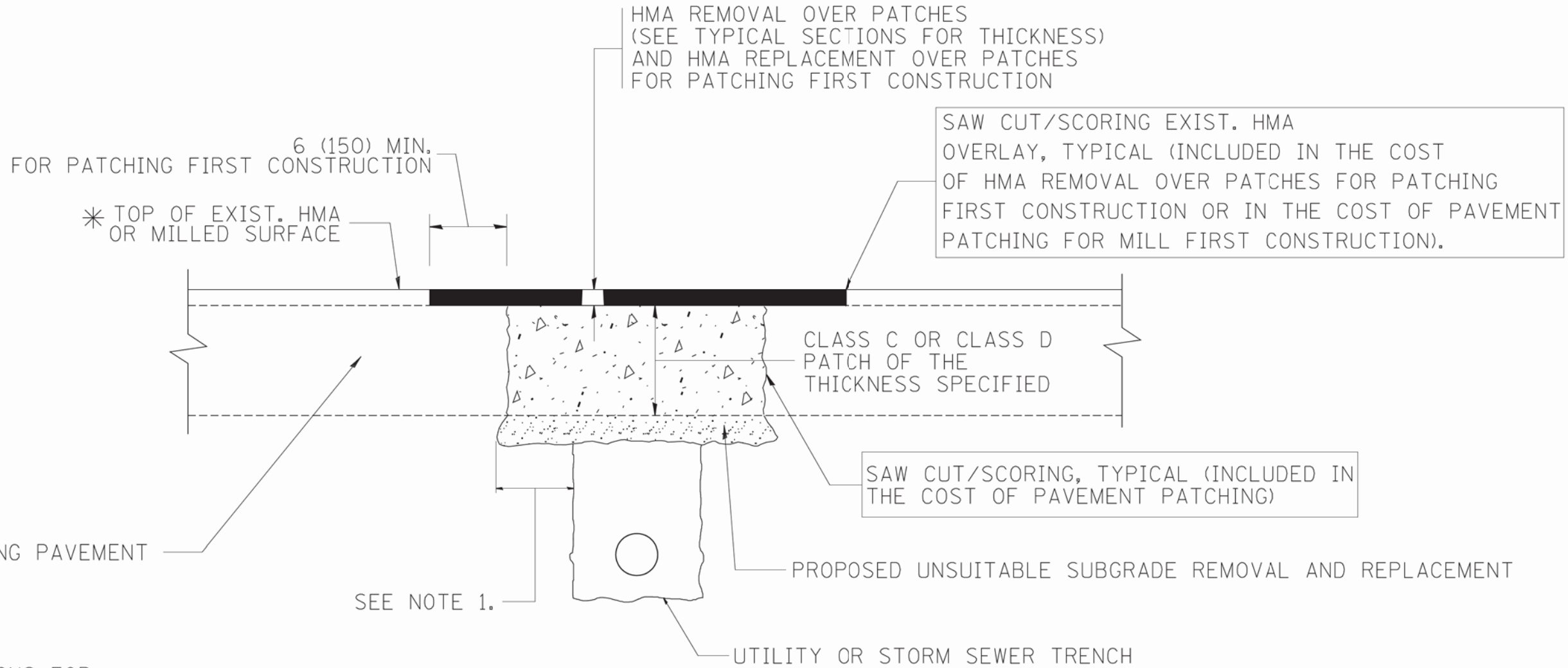
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 312.467.1206
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 USER NAME = 1eyse
 DESIGNED - R. SHAH
 DRAWN -
 CHECKED -
 DATE - 11-06-95
 REVISED - M. GOMEZ 04-05-01
 REVISED - P. LOFLEUR 04-15-03
 REVISED - R. BORO 01-01-07
 REVISED - R. BORO 09-06-11

FILE NAME =	USER NAME = 1eyse	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-05-01
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PLOT SCALE = 50.0000' / 1"		CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 10/28/2011		DATE - 11-06-95	REVISED - R. BORO 09-06-11

**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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	90
BD400-02 (BD-02)		CONTRACT NO. 60X87		
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.

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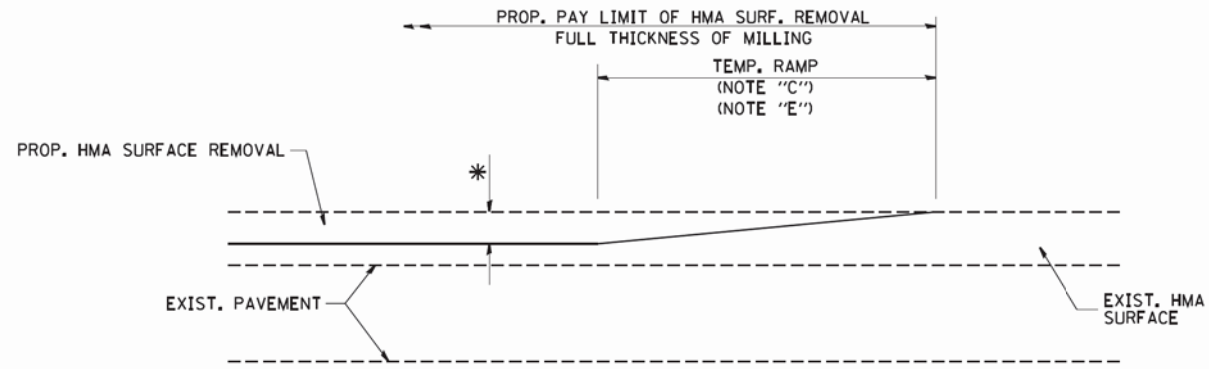
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

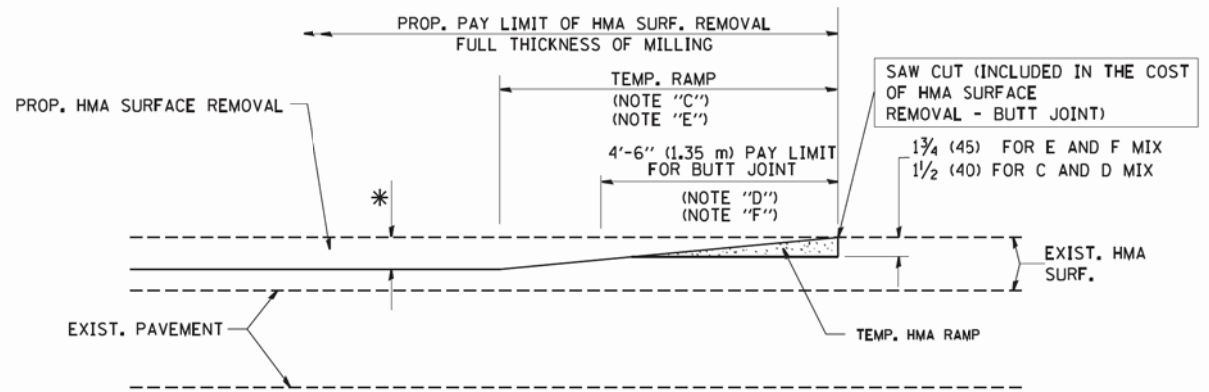
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	93
BD400-04 (BD-22)		CONTRACT NO. 60X87		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



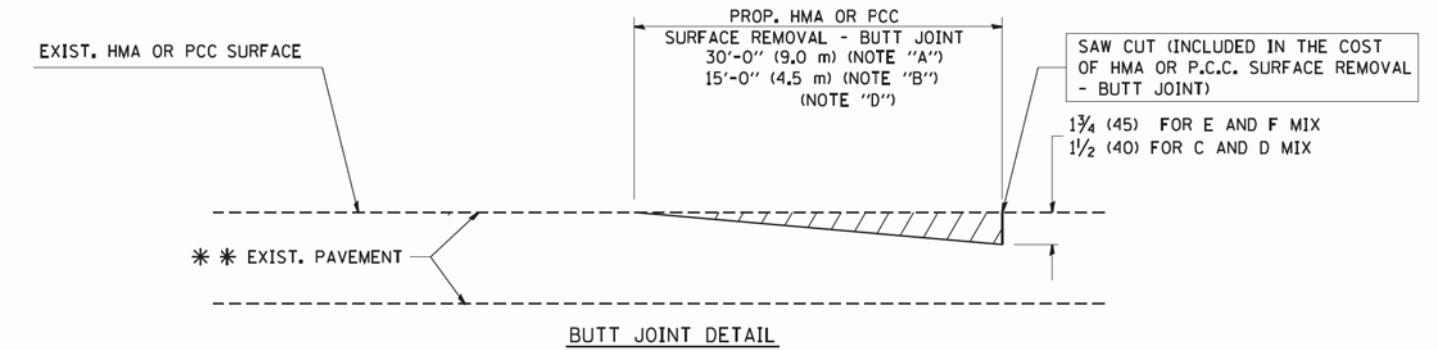
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

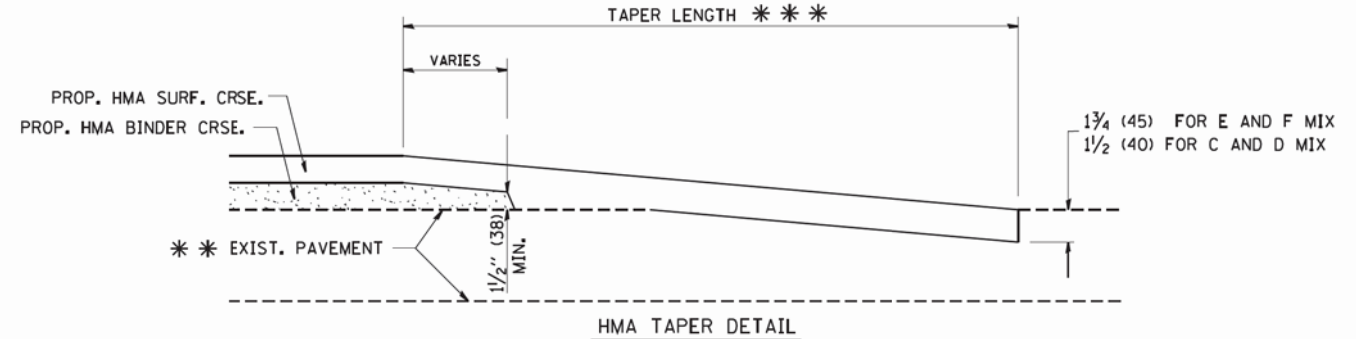


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

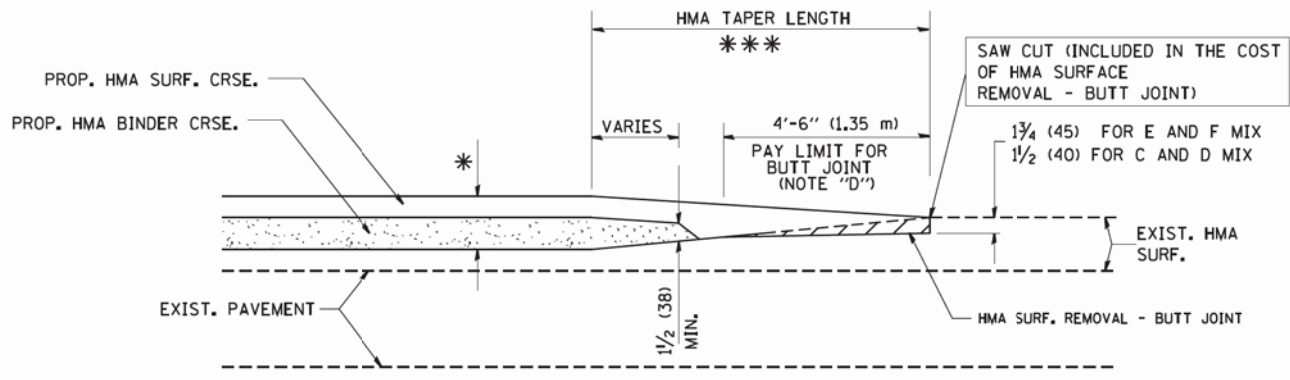
NOTES

- 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.



BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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 WESTLAKE, ILLINOIS 60085-4000
 TEL: 815/401-1100 FAX: 815/401-1101
 WWW.BAXTERANDWOODMAN.COM

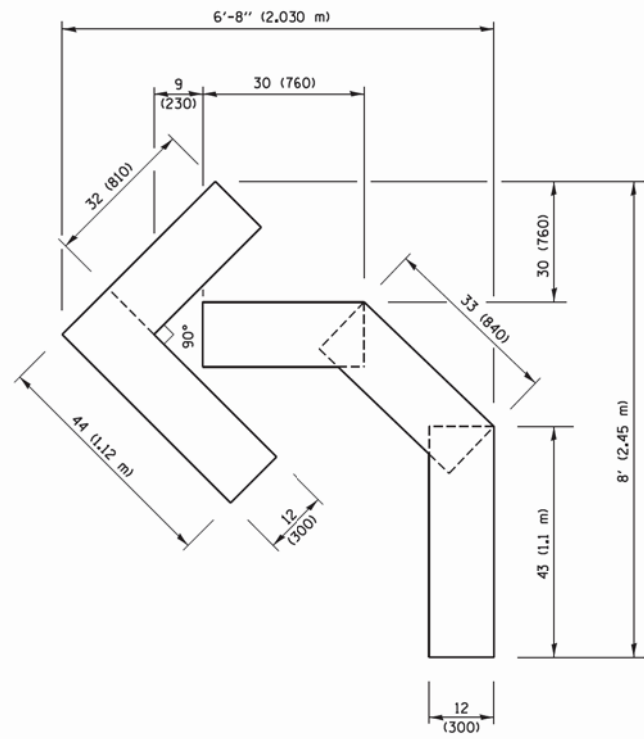
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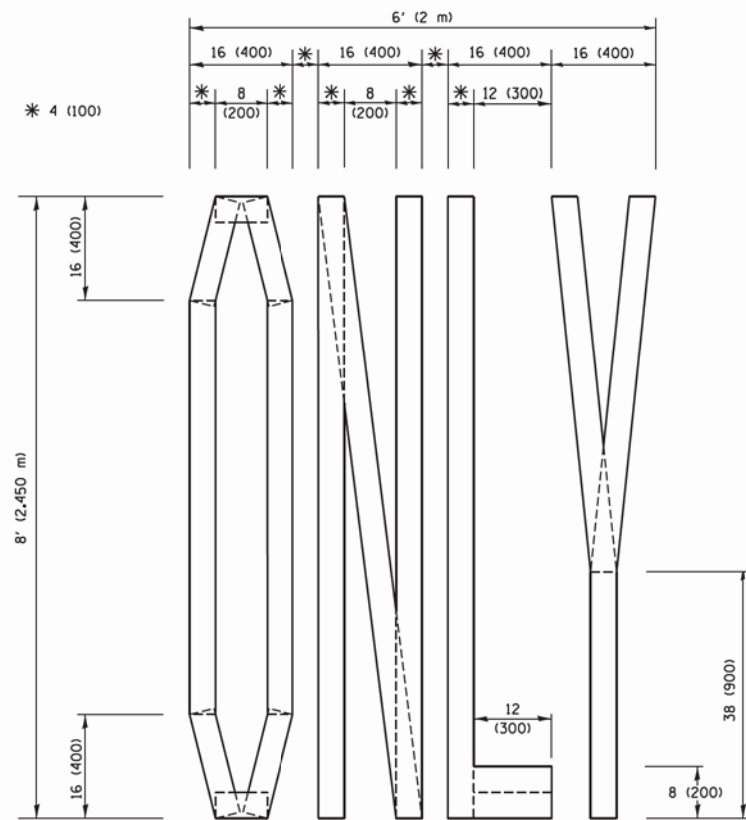
BUTT JOINT AND
HMA TAPER DETAILS

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

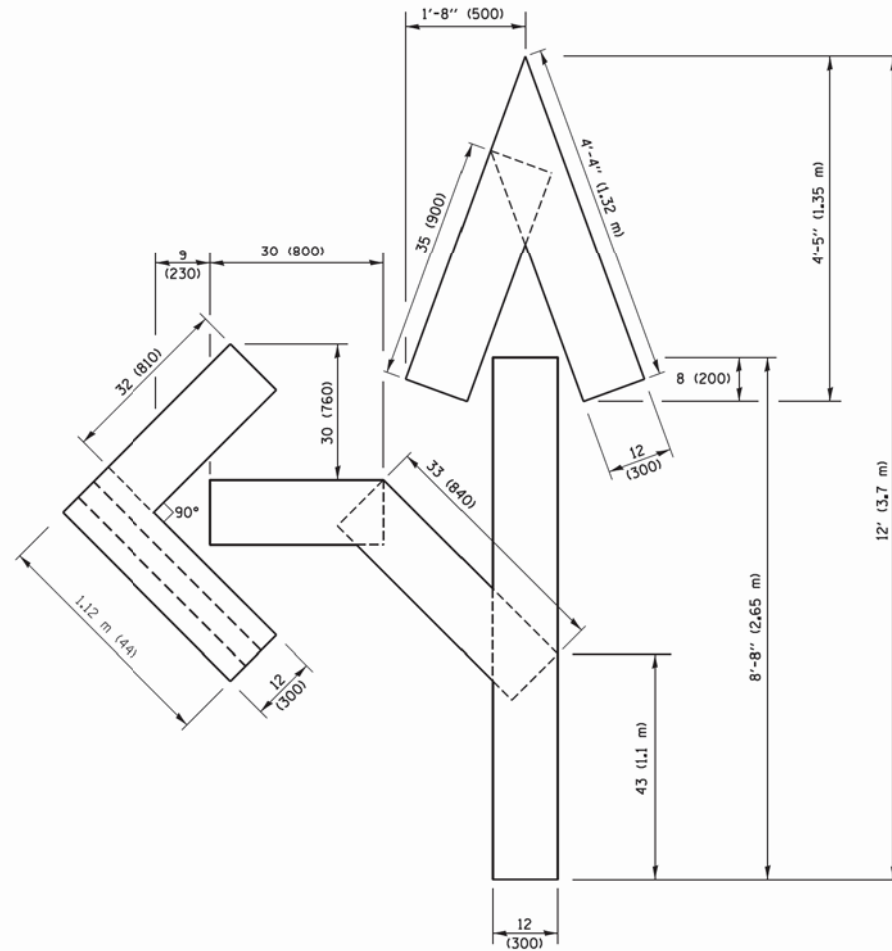
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	95
BD400-05 BD32			CONTRACT NO. 60X87	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)



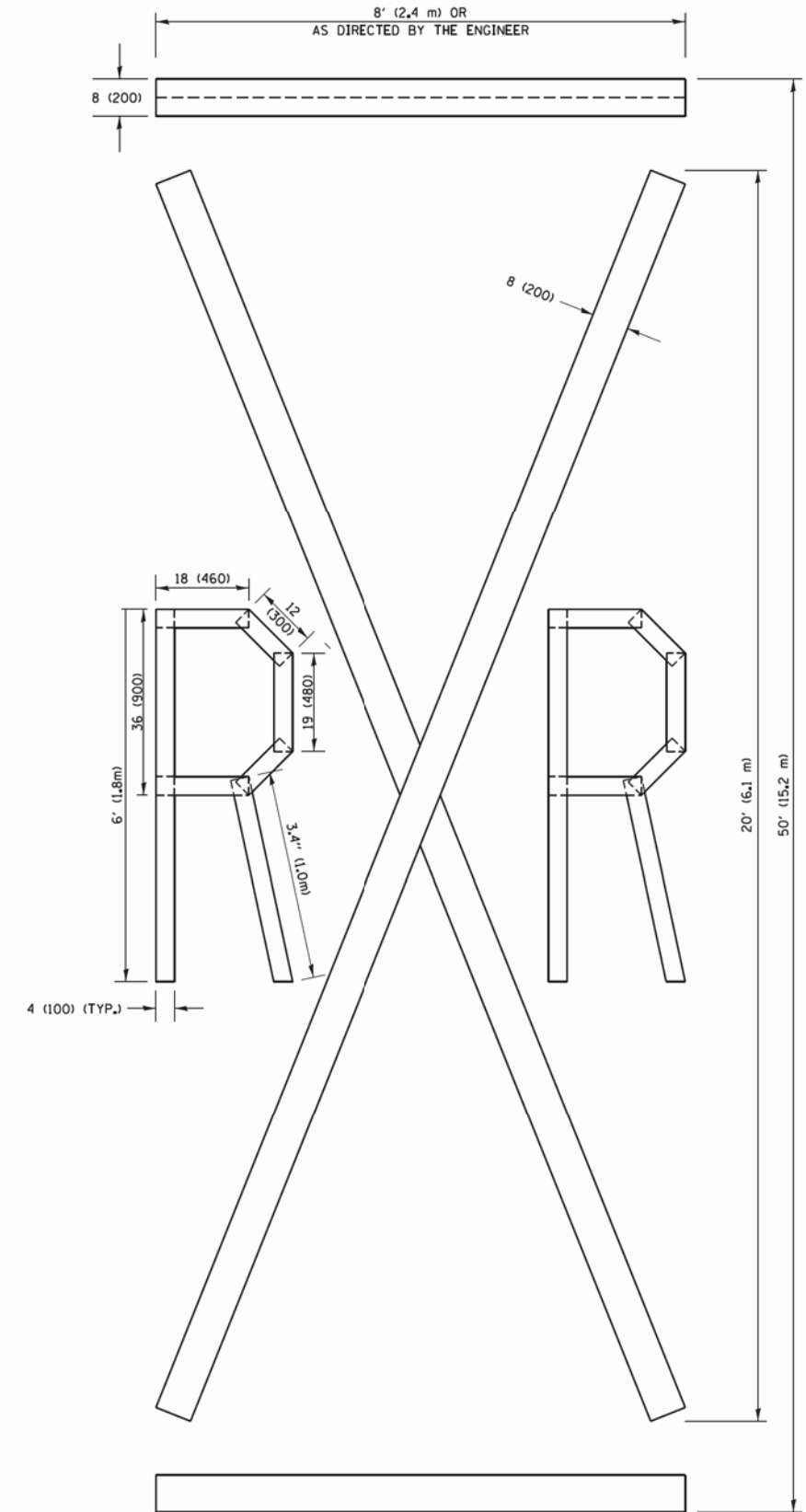
QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

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 LICENSE NO. 184-080-02/2016
 PROJECT NO. 184-080-02/2016
 DRAWING NO. 184-080-02/2016
 DATE: 9/15/2016
 23493

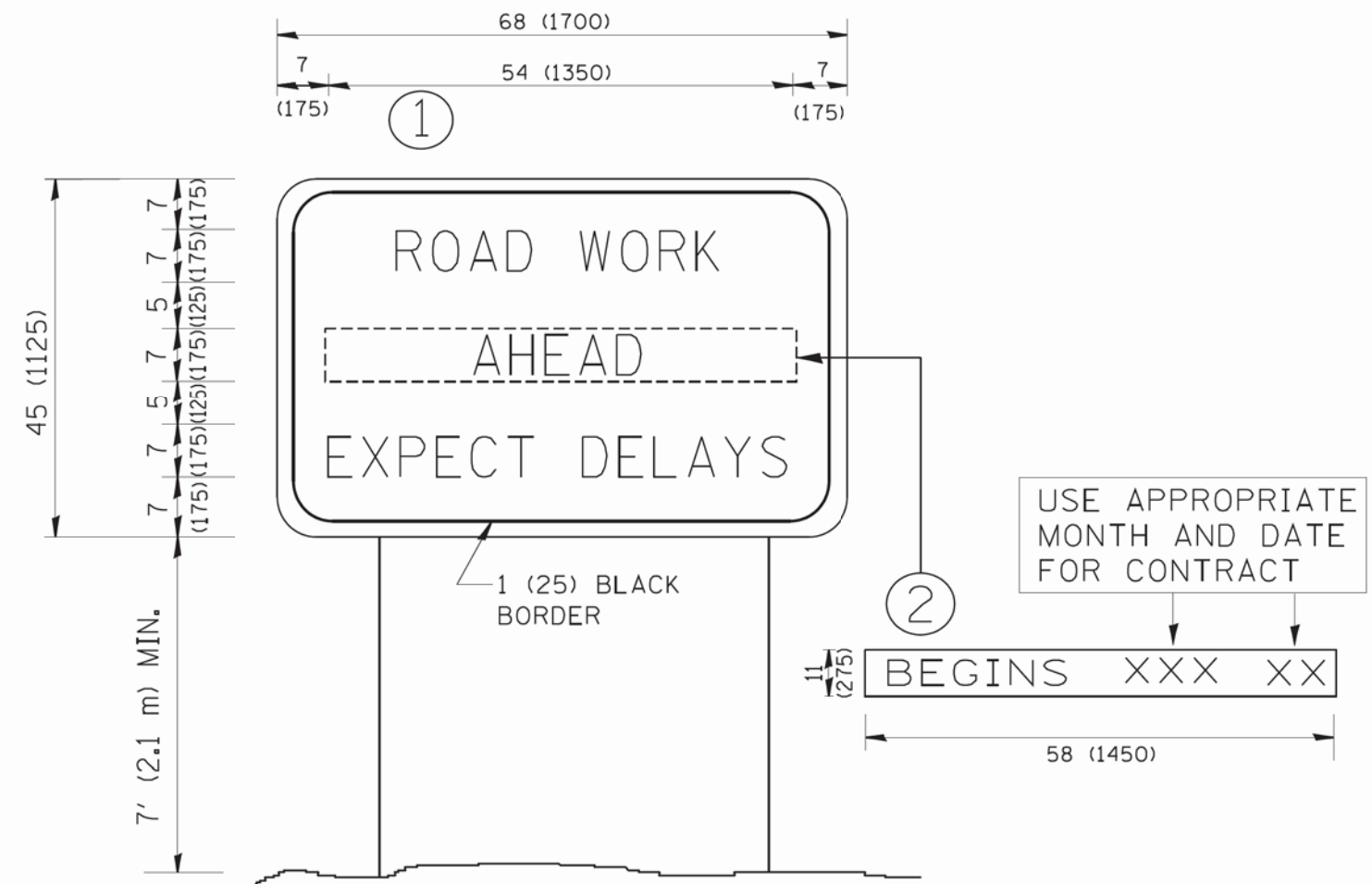
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	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -E. GOMEZ 08-28-00
	PLOT DATE = 9/15/2016	DATE -	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	101
TC-16		CONTRACT NO. 60X87		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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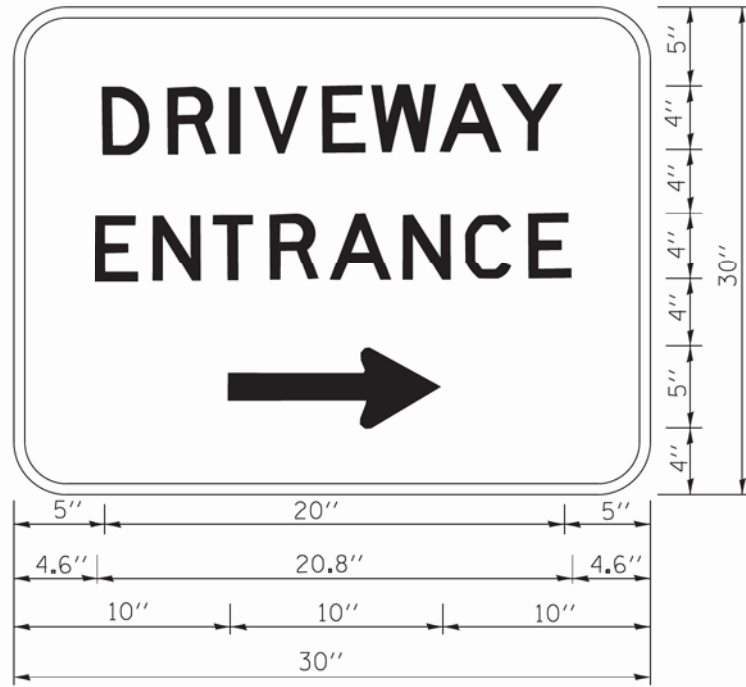


NOTES:

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.

FILE NAME = W:\diststd\22x34\te22.dgn	USER NAME = geglanoht	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A. RTE. = 347	SECTION (CY&543R)TS(14)	COUNTY	TOTAL SHEETS 110	SHEET NO. 102		
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
PLOT DATE = 1/4/2008	DATE -					CONTRACT NO. 60X87						



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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 LICENSE NO. 184-001-0001-0001-0001-0001-0001-0001
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 USER: gaglianob
 DATE: 12/13/2012

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

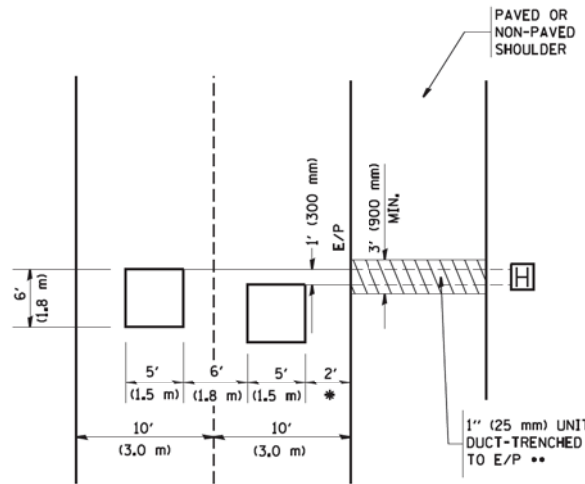
DRIVEWAY ENTRANCE SIGNING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	103
TC-26			CONTRACT NO. 60X87	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



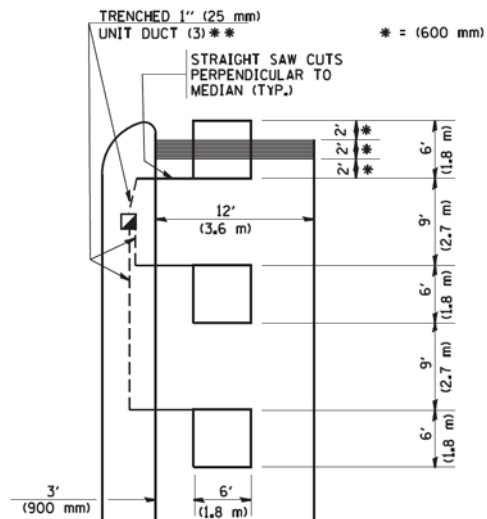
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



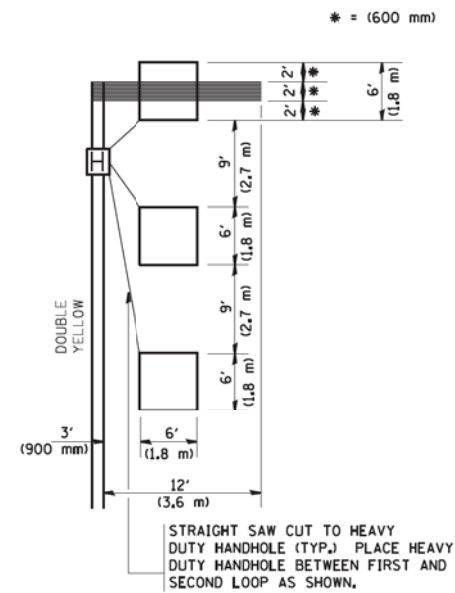
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

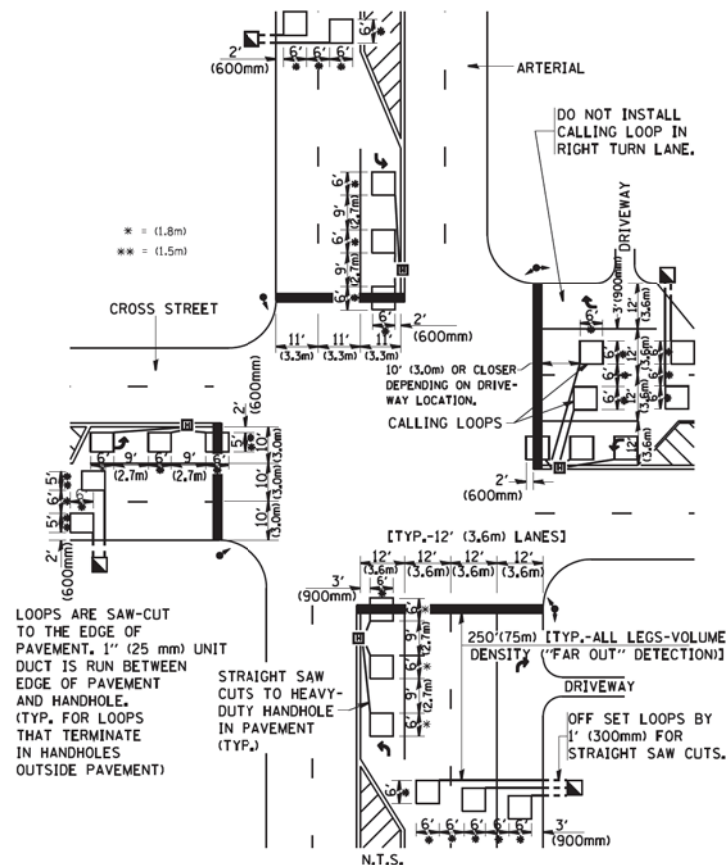
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**

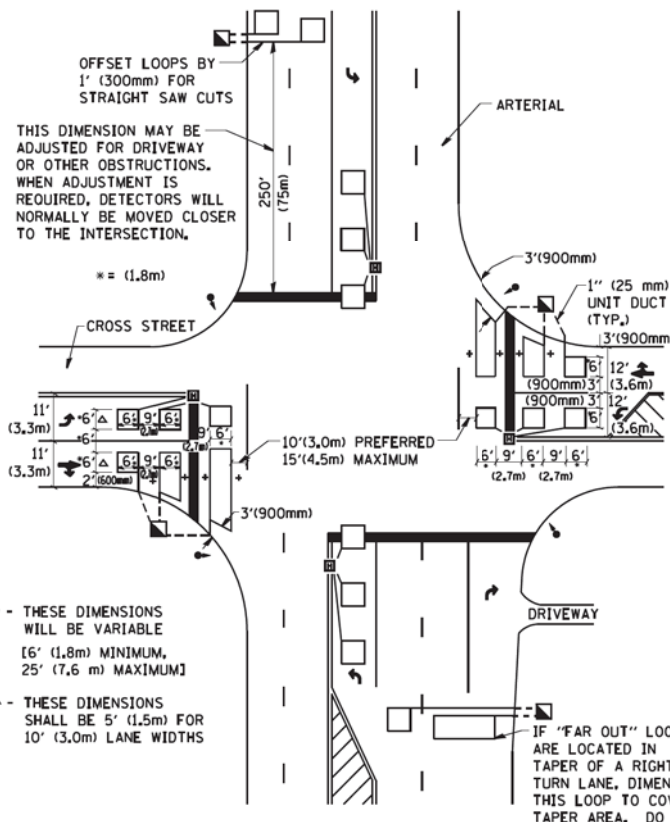


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



* - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
N.T.S.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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PLOT SCALE = 50.0000 / IN.
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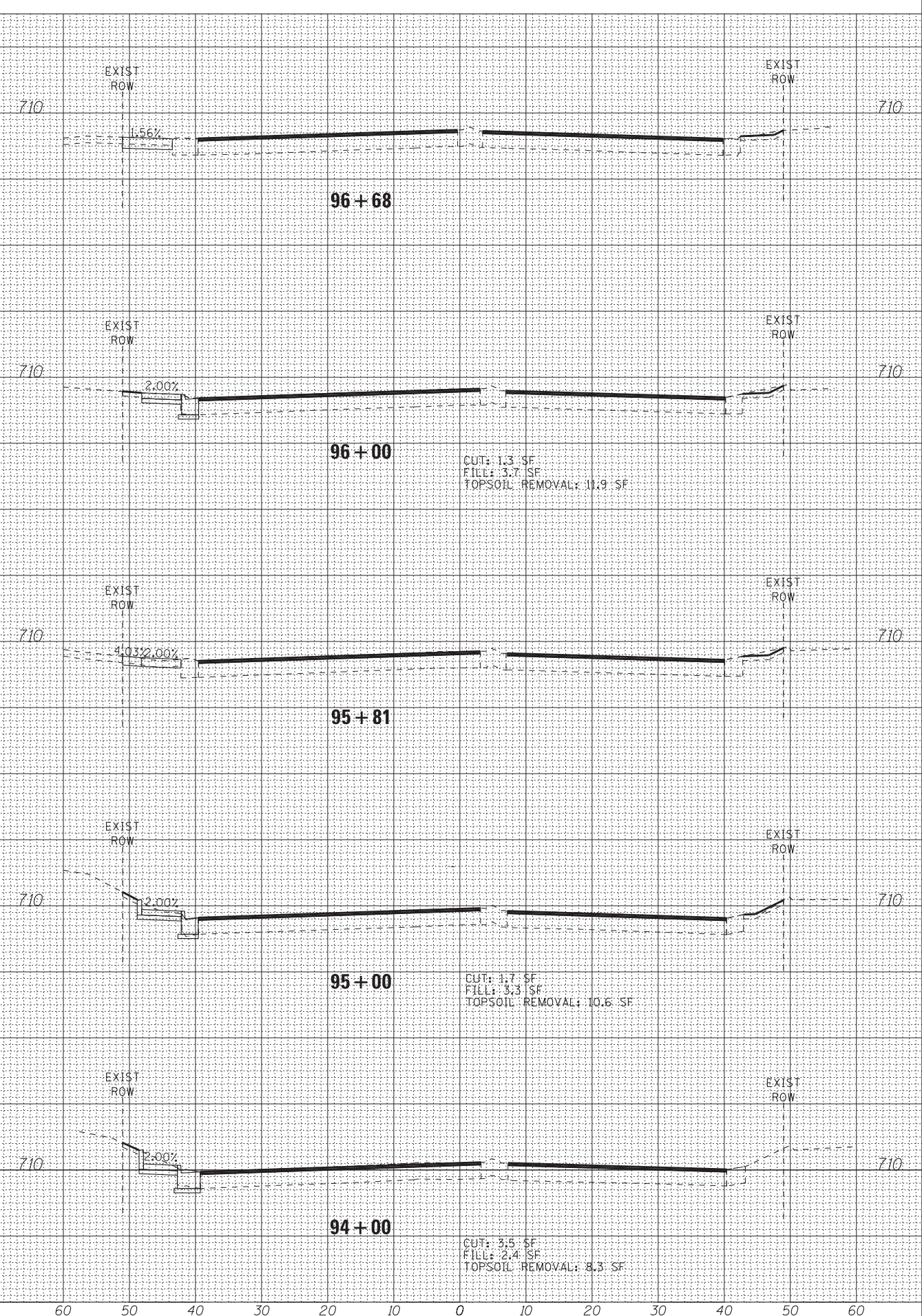
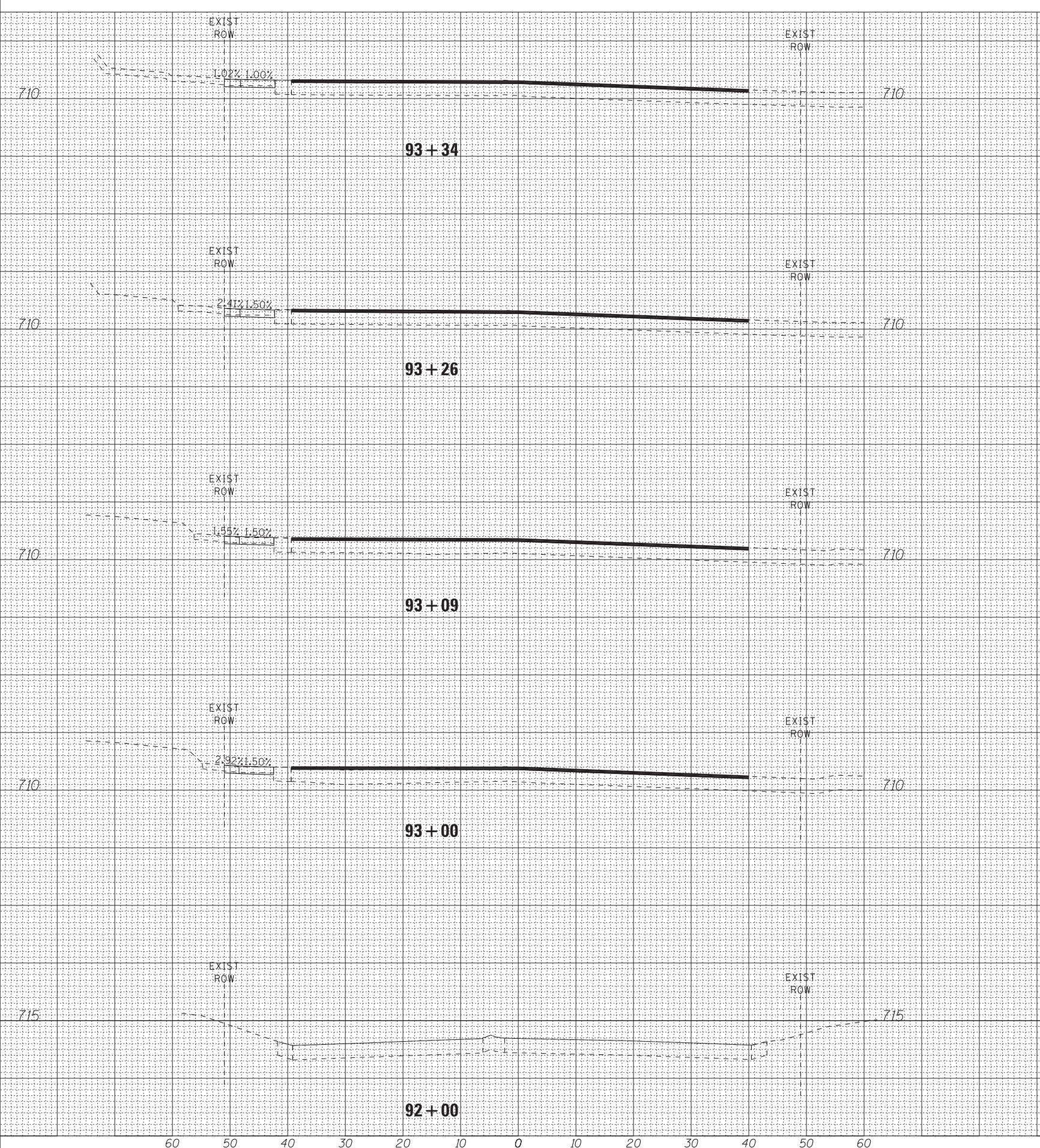
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DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY&543R)TS(14)	DUPAGE	110	104
TS-07			CONTRACT NO. 60X87	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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CHECKED - DJS	REVISED -
DATE - 10-7-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

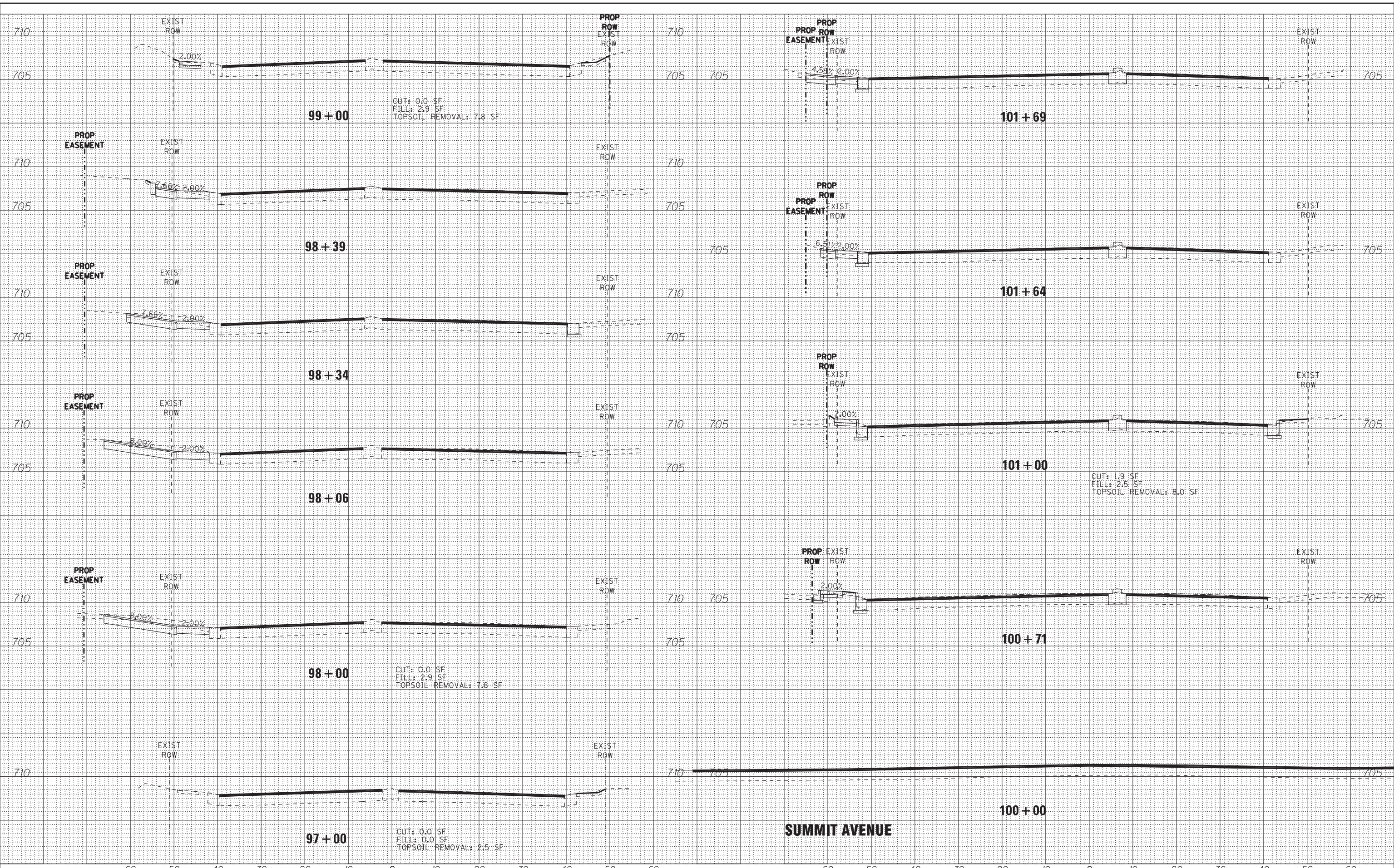
CROSS SECTIONS
IL RTE 38 (ROOSEVELT ROAD)

SCALE: H: 1"=10' V: 1"=5'

STA. 92+00 TO STA. 96+68

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FAU	(CY&543R)TS(14)	DUPAGE	110	105
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 60X87		

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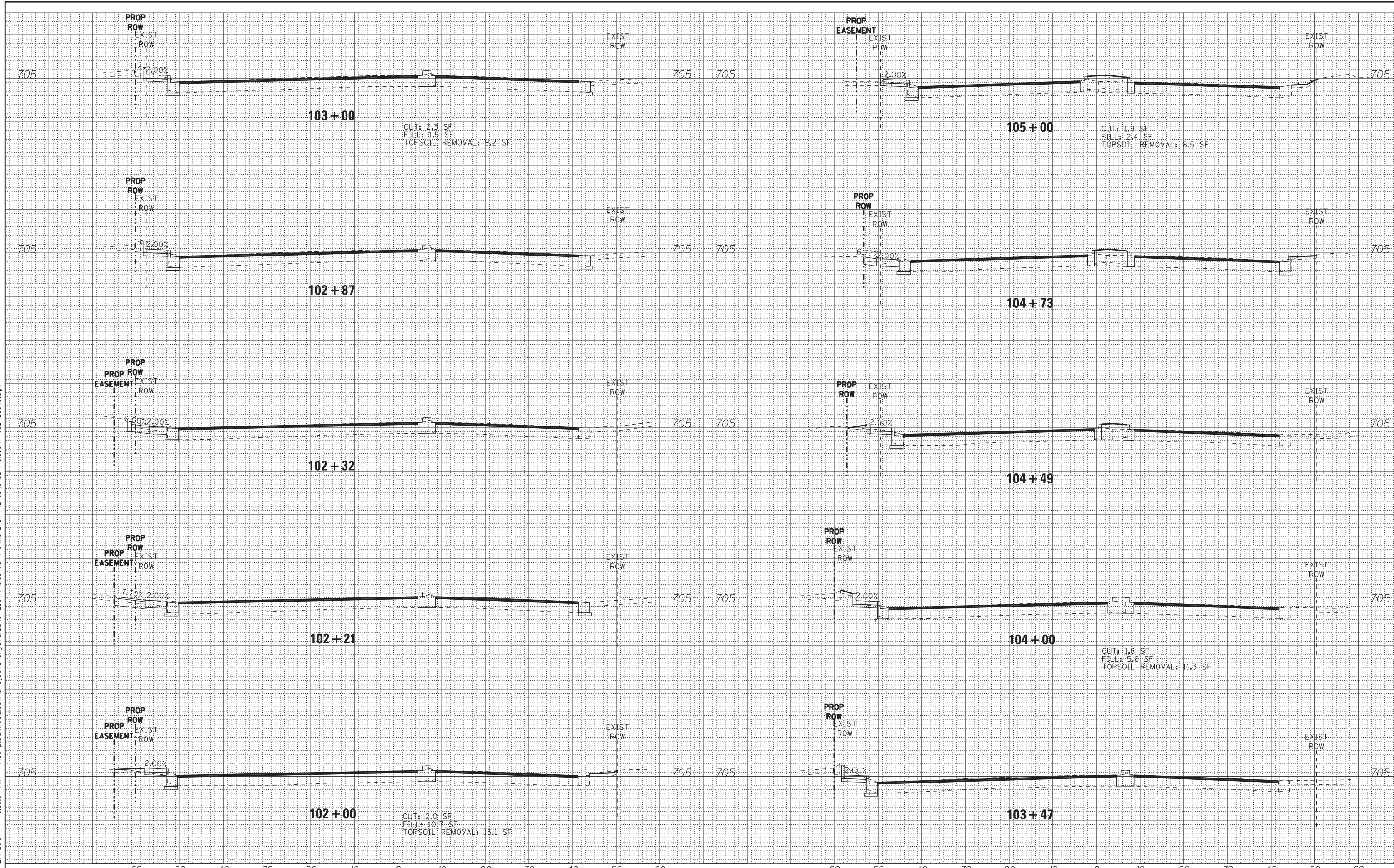
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: H: 1"=10' V: 1"=5' STA. 97+00 TO STA. 101+69

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FAU	(CY&543R)TS(14)	DUPAGE	110	106
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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DRAWN - UKB	REVISED -
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DATE - 10-7-16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

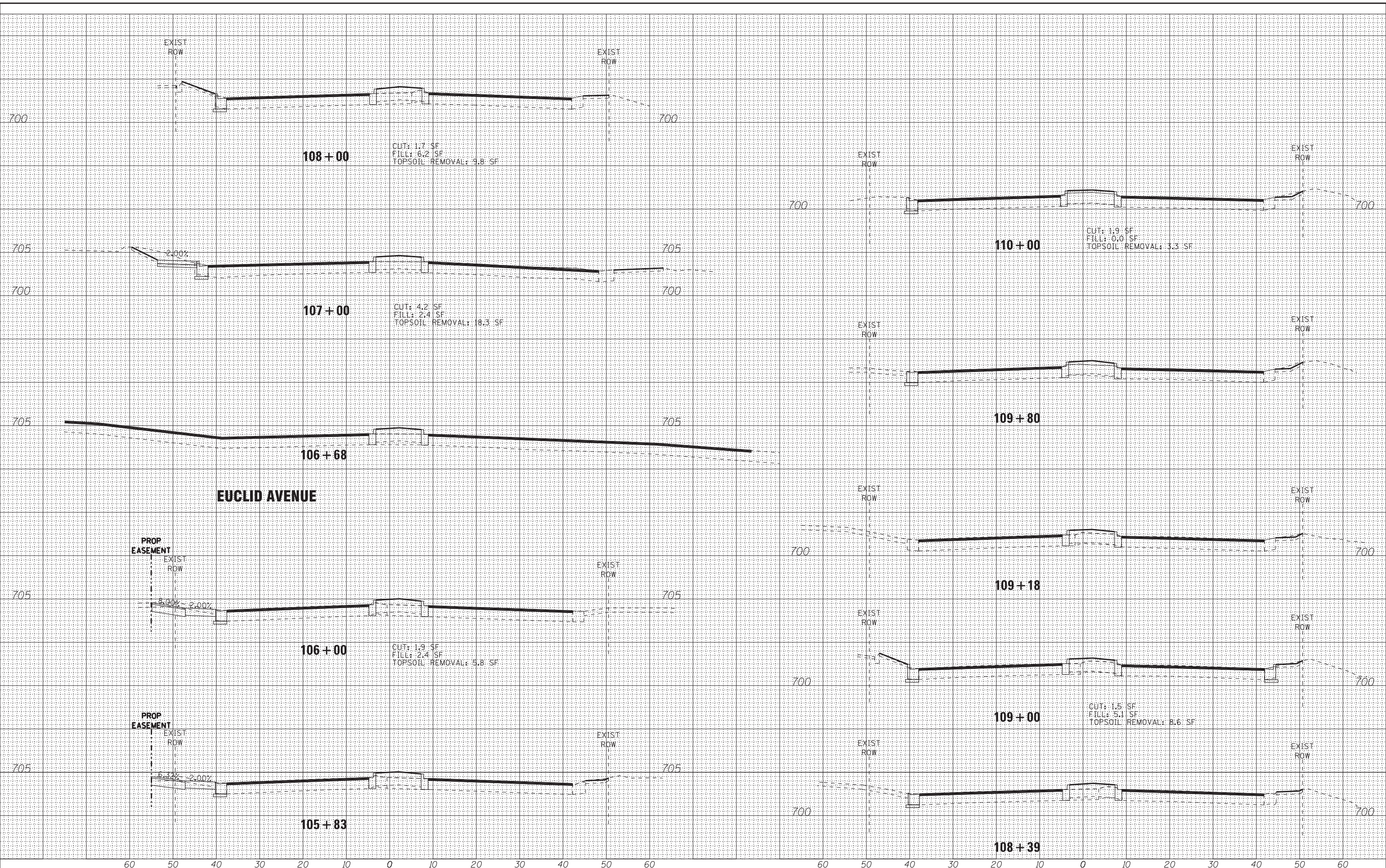
**CROSS SECTIONS
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: H: 1"=10' V: 1"=5'

STA. 102+00 TO STA. 105+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FAU	(CY&543R)TS(14)	DUPAGE	110	107
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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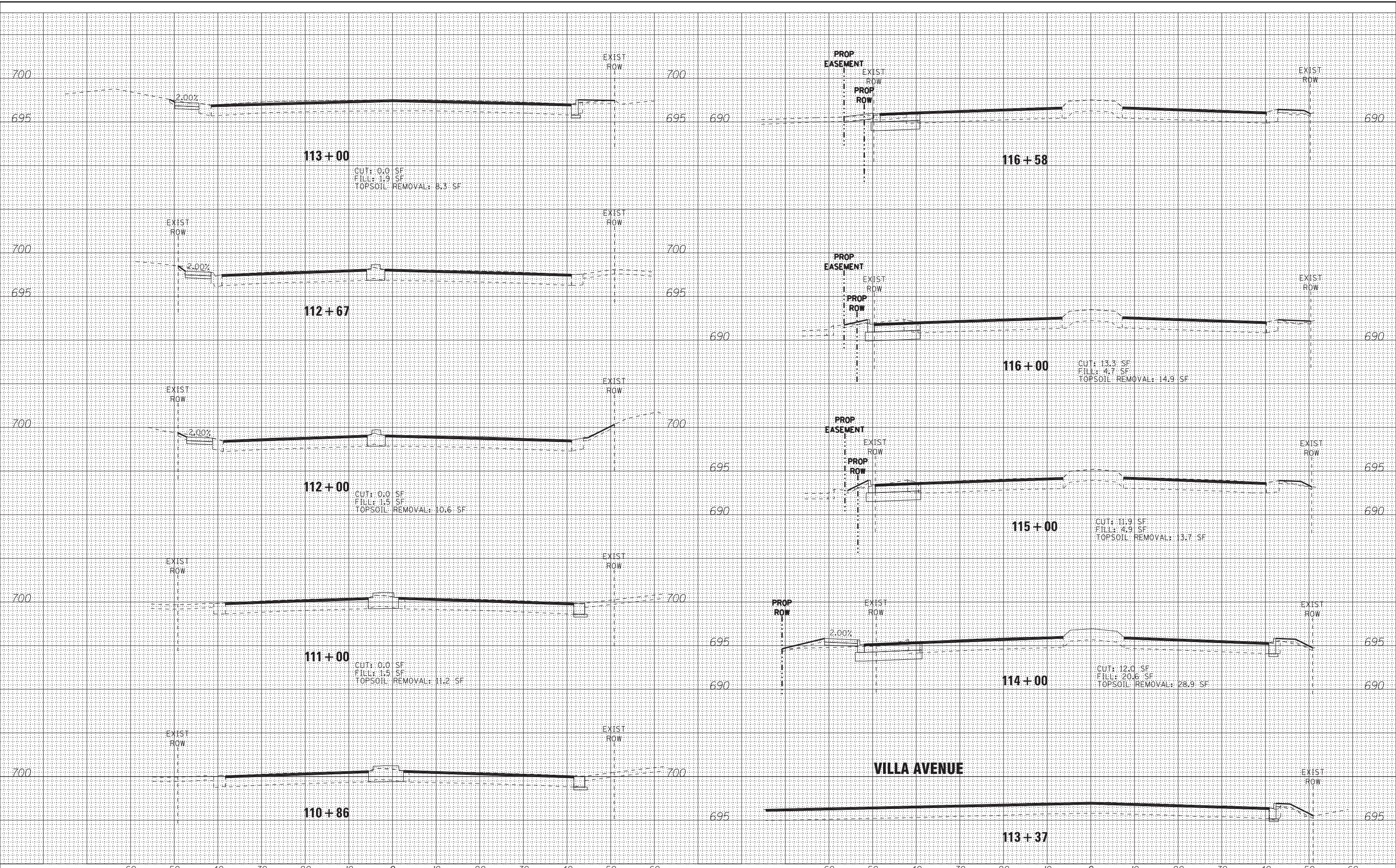
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: H: 1"=10' V: 1"=5'

STA. 105+83 TO STA. 110+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FAU	(CY&543R)TS(14)	DUPAGE	110	108
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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DATE	-	10-7-16	REVISED	-

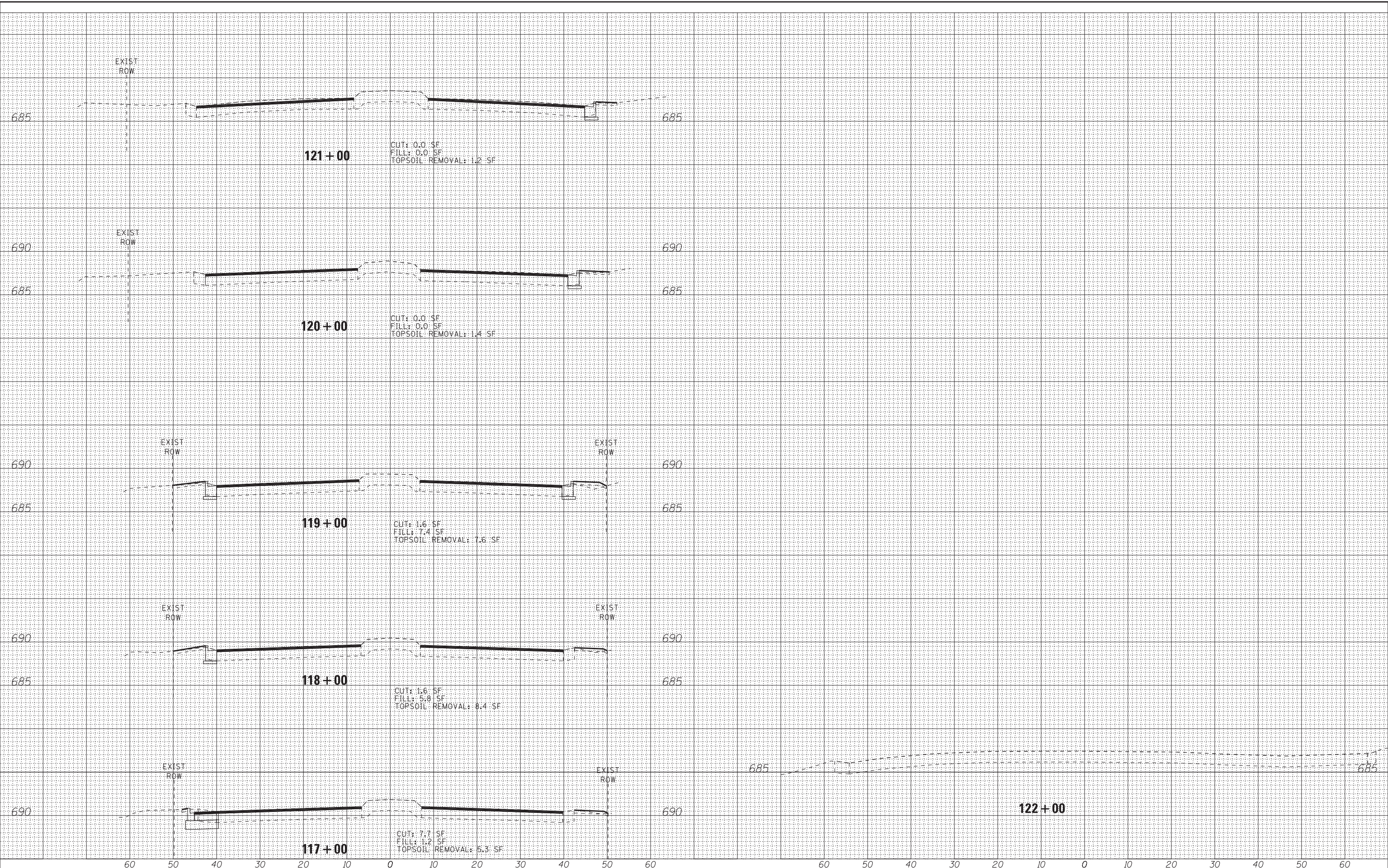
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL RTE 38 (ROOSEVELT ROAD)**

SCALE: H: 1"=10' V: 1"=5' STA. 110+86 TO STA. 116+58

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FAU	(CY&543R)TS(14)	DUPAGE	110	109
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	

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 STATE OF ILLINOIS PROFESSIONAL ENGINEERING
 LICENSE NO. 184-00121 - EXPIRES 12/31/2016 9:55:56 PM
 \\gordr\c\p\proj\140183-Var\10-WO-2_Smt-IL_83\CADD\140183-SHT-w2-IL38XS.dgn
 \\CADD\Plots\140183-WO2-B&W.tbl
 \\gordr\boxwood.com\projects\CrystalLake\LDOT\140183-Var\10-WO-2_Smt-IL_83\CADD\140183-SHT-w2-IL38XS.dgn



DESIGNED -	JDM	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	DJS	REVISED -	
DATE -	10-7-16	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL RTE 38 (ROOSEVELT ROAD)**

SCALE: H: 1"=10' V: 1"=5' STA. 117+00 TO STA. 122+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FAU	(CY&543R)TS(14)	DUPAGE	110	110
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X87	