

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	1
		ILLINOIS	CONTRACT NO. 60Y79	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE CITY OF NAPERVILLE

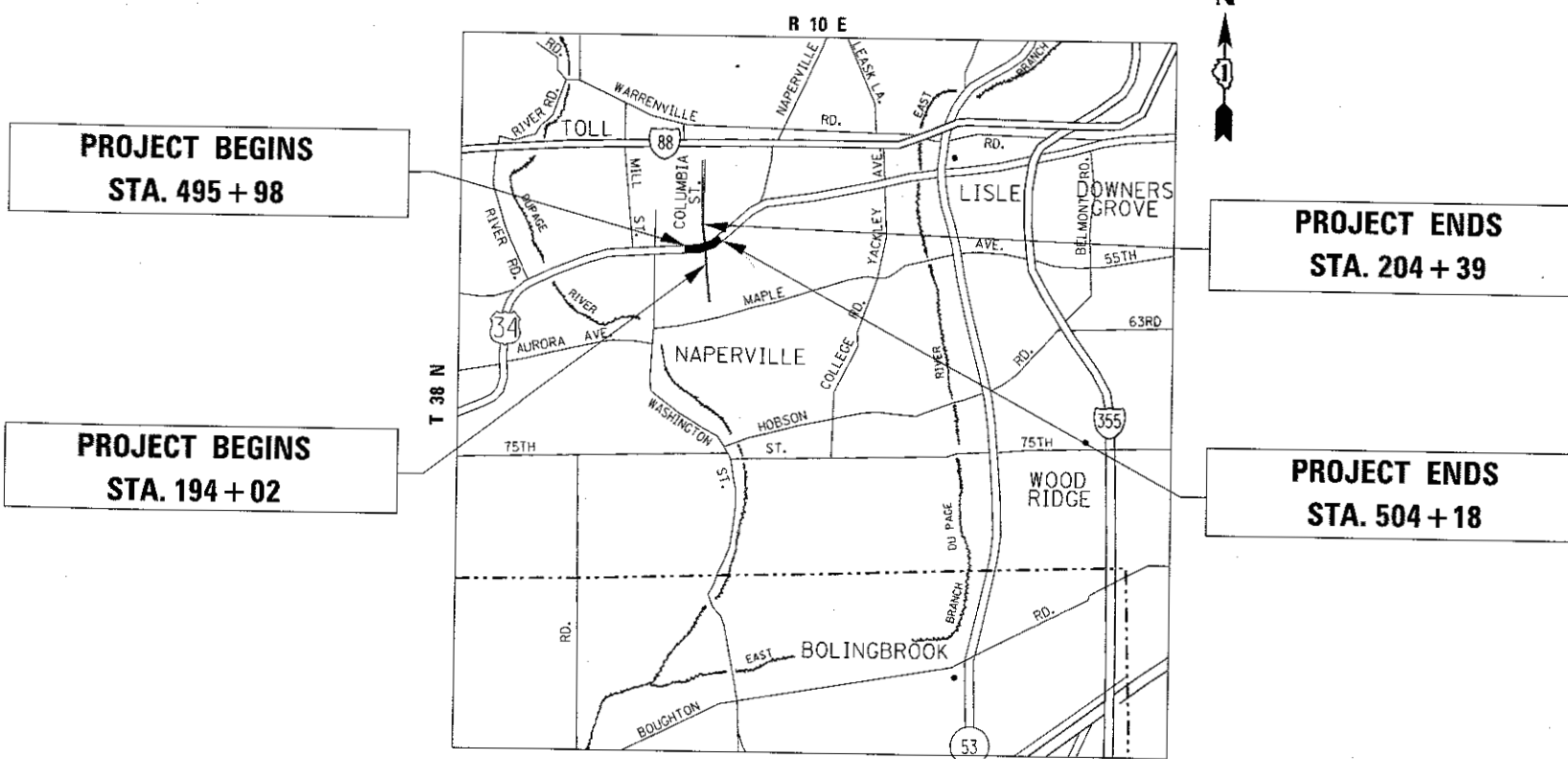
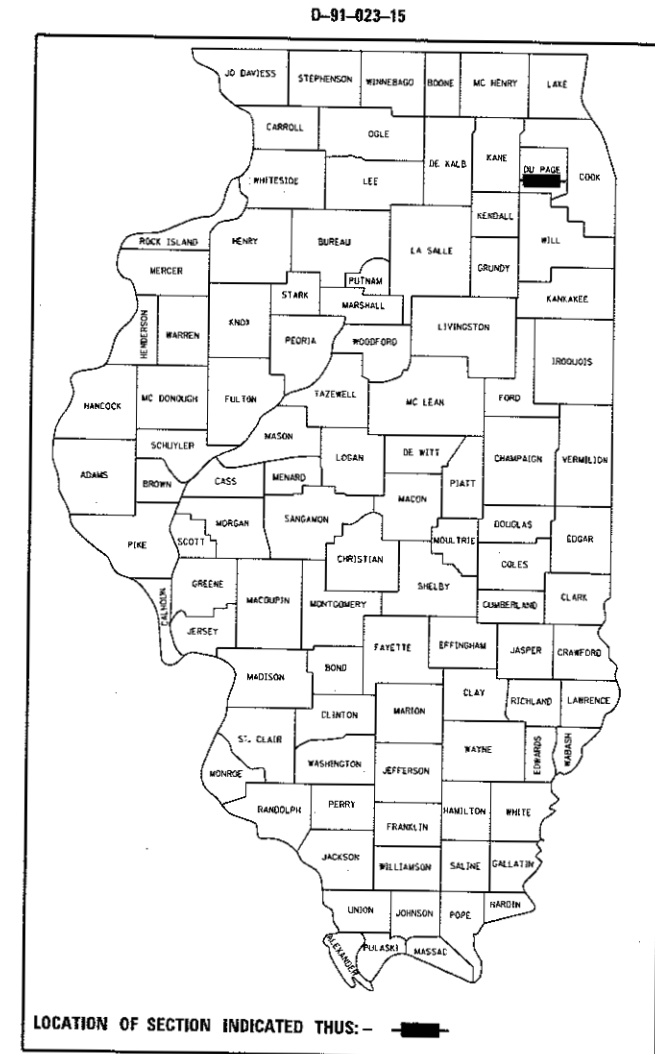
PROPOSED HIGHWAY PLANS

F.A.P. 311: US 34 (OGDEN AVENUE)
AT COLUMBIA STREET
SECTION: 10Y-TS-1
INTERSECTION IMPROVEMENT
PROJECT: HSIP-0311(051)
DUPAGE COUNTY
C-91-023-15

TRAFFIC DATA

2012 ADT
COLUMBIA ST. = 2350
US 34 (OGDEN AVE.) = 33900

SPEED LIMIT
COLUMBIA ST. N. = 25MPH
COLUMBIA ST. S. = 30MPH
US 34 (OGDEN AVE.) = 35MPH

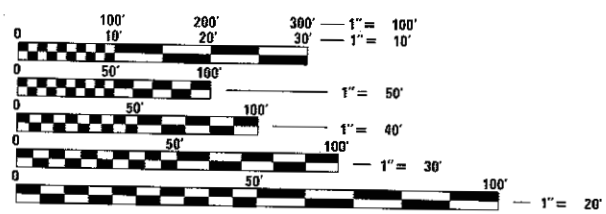


PROJECT BEGINS
STA. 495 + 98

PROJECT BEGINS
STA. 194 + 02

PROJECT ENDS
STA. 204 + 39

PROJECT ENDS
STA. 504 + 18



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

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

PROJECT ENGINEER: KARI SMITH (847) 705-4437
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 60Y79

US 34 (OGDEN AVENUE) = 820' (0.15 MILES)
COLUMBIA STREET = 1037' (0.19 MILES)
GROSS LENGTH = 1776' (0.34 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 13 2017
[Signature] REGIONAL ENGINEER
June 30 2017
Maureen M. Adlis, P.E. ENGINEER OF DESIGN AND ENVIRONMENT
June 30 2017
[Signature] DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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602301-04 INLET, TYPE A

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606001-06 CONC. CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

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701006-05 OFF-ROAD OPERATION, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE

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FILE NAME =	USER NAME = joseph	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, AND STATE STANDARDS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11884EBID\INTEG\Illinois.gov\PI001\Documents\1007 Offices\District 1\Projects\PI14212\BDR\BDR\Design\PI14212-Design.dgn					REVISED -	US RTE 34 AT COLUMBIA STREET		511	10Y-TS-1	DUPAGE	100	2
Default	PLOT SCALE = 99.5718' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60Y79	
	PLOT DATE = 5/16/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF NAPERVILLE

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

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

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

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

THE ENGINEER SHALL CONTACT MR. DON CHIARUGI AT DON.CHIARUGI@ILLINOIS.GOV TWO WEEKS PRIOR TO INSTALLATION, IN REGARDS TO PAVEMENT MARKING.

BEFORE BEGINING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKINGS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINING OF WORK.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

ALL SHARED PATH/SIDEWALK WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO THE APPLICABLE DETAILS OR HIGHWAY STANDARDS INCLUDED IN THE PLANS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. THIS SHALL INCLUDE LOCATING THE MAST FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS- RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.

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

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

AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT 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 OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUALITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES AND SHRUBS IS OF UTMOST IMPORTANCE TO THE CITY OF NAPERVILLE. ALL TREE AND SHRUB 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/SHRUBS UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

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

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBID\INTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P114212\Design\PI14212-Design.dgn		REVISION	REVISED -		US RTE 34 AT COLUMBIA STREET				311	10Y-TS-1	DUPAGE	100	3
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 60Y79				
	PLOT DATE = 5/16/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

GENERAL NOTES

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.

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

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

A CONCRETE APRON SHALL NOT BE REQUIRED FOR NEW UPS INSTALLATIONS ADJACENT TO EXISTING IMPERVIOUS SURFACES THAT SATISFY THE NEED OF CONCRETE APRON. AS DIRECTED BY THE ENGINEER.

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES US RTE 34 AT COLUMBIA STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11084EB\ID\INTEG.illinois.gov\IDOT\Documents\DOT Offices\District 1\Projects\PI14212\1084EB\Design\PI14212-Design.dgn	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -			311	10Y-T5-1	DuPAGE	100	4	
Default	PLOT DATE = 5/16/2017	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 60Y79			
						ILLINOIS FED. AID PROJECT					

URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0021	0021	0021
				90% FED 10% STATE	90% FED 5% STATE 5% CITY	100% CITY	75% FED STP 25% CITY	90% FED 10% STATE	54% FED 3% STATE 43% CITY
				ROADWAY	TRAFFIC SIGNAL	LED SIGNS EVP	LIGHTING	INTERCONNECT	TRAFFIC SIGNAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30	30					
20101000	TEMPORARY FENCE	FOOT	580	580					
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5					
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5					
20200100	EARTH EXCAVATION	CU YD	911	911					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	160	160					
20800150	TRENCH BACKFILL	CU YD	635	635					
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	543	543					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	2334	2334					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	44	44					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	44	44					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	44	44					
* 25200110	SODDING, SALT TOLERANT	SO YD	2334	2334					
* 25200200	SUPPLEMENTAL WATERING	UNIT	26	26					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	50					

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0021	0021	0021
				90% FED 10% STATE	90% FED 5% STATE 5% CITY	100% CITY	75% FED STP 25% CITY	90% FED 10% STATE	54% FED 3% STATE 43% CITY
				ROADWAY	TRAFFIC SIGNAL	LED SIGNS EVP	LIGHTING	INTERCONNECT	TRAFFIC SIGNAL
28000400	PERIMETER EROSION BARRIER	FOOT	1935	1935					
28000510	INLET FILTERS	EACH	23	23					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	116	116					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	1791	1791					
35501303	HOT-MIX ASPHALT BASE COURSE, 4 3/4"	SO YD	668	668					
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	183	183					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	196	196					
35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	SO YD	440	440					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6755	6755					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	16	16					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50	TON	350	350					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	91	91					
40603085	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	TON	610	610					
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	45	45					*SPECIALTY ITEMS

FILE NAME	USER NAME = jason	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES US RTE 34 AT COLUMBIA STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\NLS\B4E\BID\ITE\G\I\ind\sp\p\w\DOT\Documents\1000	Office\District\N\Projects\PH43\B\CAD\Draw\Design\PH43\	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	DUPAGE	100	5
	PLOT SCALE = 100,000' / 1" =	DATE	REVISED -		CONTRACT NO. 60Y79								
	PLOT DATE = 5/16/2017		REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

REV

URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 90% FED 10% STATE ROADWAY	0021 90% FED 5% STATE 5% CITY TRAFFIC SIGNAL	0021 100% CITY LED SIGNS EVP	0021 75% FED STP 25% CITY LIGHTING	0021 90% FED 10% STATE INTERCONNECT	0021 54% FED 3% STATE 43% CITY TRAFFIC SIGNAL
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE. MIX "E". N70	TON	981	981					
42001300	PROTECTIVE COAT	SQ YD	1575	1575					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	275	275					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4832	4832					
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	670	670					
42400800	DETECTABLE WARNINGS	SQ FT	150	150					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	8890	8890					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	815	815					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2125	2125					
44000600	SIDEWALK REMOVAL	SQ FT	5280	5280					
44003100	MEDIAN REMOVAL	SQ FT	119	119					
44200144	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	300	300					
44200148	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	125	125					

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 90% FED 10% STATE ROADWAY	0021 90% FED 5% STATE 5% CITY TRAFFIC SIGNAL	0021 100% CITY LED SIGNS EVP	0021 75% FED STP 25% CITY LIGHTING	0021 90% FED 10% STATE INTERCONNECT	0021 54% FED 3% STATE 43% CITY TRAFFIC SIGNAL
44200150	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	35	35					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	640	640					
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	80	80					
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	114	114					
55100300	STORM SEWER REMOVAL 8"	FOOT	40	40					
55100500	STORM SEWER REMOVAL 12"	FOOT	35	35					
601D7600	PIPE UNDERDRAINS 4"	FOOT	658	658					
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4					
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1					
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3					
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	5	5					
60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	3	3					
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	1	1					

*SPECIALTY ITEMS

FILE NAME =	USER NAME = jacobm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES US RTE 34 AT COLUMBIA STREET				F.A.P. RIE. 311	SECTION 10Y-TS-1	COUNTY DuPAGE	TOTAL SHEETS 100	SHEET NO. 6
PROJECT =	PROJECT =	CHECKED -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.	CONTRACT NO. 60Y79				
PLT SCALE = 1/8" = 100'	PLT DATE = 5/16/2017	DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

REV

URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 90% FED 10% STATE	0021 90% FED 5% STATE 5% CITY	0021 100% CITY	0021 75% FED STP 25% CITY	0021 90% FED 10% STATE	0021 54% FED 3% STATE 43% CITY	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 90% FED 10% STATE	0021 90% FED 5% STATE 5% CITY	0021 100% CITY	0021 75% FED STP 25% CITY	0021 90% FED 10% STATE	0021 54% FED 3% STATE 43% CITY
				ROADWAY	TRAFFIC SIGNAL	LED SIGNS EVP	LIGHTING	INTERCONNECT	TRAFFIC SIGNAL					ROADWAY	TRAFFIC SIGNAL	LED SIGNS EVP	LIGHTING	INTERCONNECT	TRAFFIC SIGNAL
* 7240071D	RELOCATE SIGN PANEL - TYPE 1	SQ FT	9	9						* 81400100	HANDHOLE	EACH	4		4				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	336	336						* 81400200	HEAVY-DUTY HANDHOLE	EACH	2		2				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4632	4632						* 81400300	DOUBLE HANDHOLE	EACH	2		2				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1091	1091						* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1				1		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	522	522						* 81603047	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6	FOOT	1167				1167		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	166	166							GROUND, (XLP-TYPE USE), 1 1/4" DIA.								
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	128	128							POLYETHYLENE								
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	90	90						* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL	EACH	3				3		
	REMOVAL										MOUNT, 250 WATT								
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1				1			* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	16				16		
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1		0.5		0.5			* 83600350	LIGHT POLE FOUNDATION, METAL, 11" BOLT	EACH	3				3		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	673		593			80			CIRCLE, 8" X 6'								
	2" DIA.									* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1				1		
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	783		158		625			* 84200804	REMOVAL OF POLE FOUNDATION	EACH	5				5		
	3" DIA.									* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	6				6		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	525		525					* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	8					8	
	4" DIA.										INSTALLATION								
										* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	8		1				7

*SPECIALTY ITEMS

FILE NAME =	USER NAME = Joseph	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES US RTE 34 AT COLUMBIA STREET				F.A.P. RTE. 311	SECTION 10Y-TS-1	COUNTY	TOTAL SHEETS 100	SHEET NO. 8
PLOT SCALE = 100,000' / 1"		CHECKED -	REVISED -	SCALE:				SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 60Y79		
PLOT DATE = 5/16/2017		DATE -	REVISED -													

REV

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE ROADWAY	0021 90% FED 5% STATE 5% CITY TRAFFIC SIGNAL	0021 100% CITY LED SIGNS EVP	0021 75% FED STP 25% CITY LIGHTING	0021 90% FED 10% STATE INTERCONNECT	0021 54% FED 3% STATE 43% CITY TRAFFIC SIGNAL
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1500					1500	
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1579		1579				
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1961		1961				
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1933		1933				
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2071		2071				
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1855		1855				
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	115		115				
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	740		740				
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20				
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46		46				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE ROADWAY	0004 90% FED 10% STATE TRAFFIC SIGNAL	0021 100% CITY LED SIGNS EVP	0021 75% FED STP 25% CITY LIGHTING	0021 90% FED 10% STATE INTERCONNECT	0021 54% FED 3% STATE 43% CITY TRAFFIC SIGNAL
* 87900200	DRILL EXISTING HANDHOLE	EACH	1					1	
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5		5				
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3		3				
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5		5				
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5		5				
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8				
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10		10				
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	6		6				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	350		350				
* 88700200	LIGHT DETECTOR	EACH	2			2			
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1			
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8				
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1				

FILE NAME =	USER NAME = Joseph	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES US RTE 34 AT COLUMBIA STREET			F.A.P. RTE. 311	SECTION 10Y-1S-1	COUNTY	TOTAL SHEETS 100	SHEET NO. 9
P:\NLD\BID\NTE\GIS\Info\sgo\PI\DOT\Documents\1007		OFFICE\District\N\Proj\21\212\CAD\Draw\Design\PI\4212	DATE		CHECKED -	SCALE: 1"=100'	SHEET NO. OF SHEETS	STA.	TO STA.	DUPAGE	CONTRACT NO. 60Y79	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT
PLOT SCALE = 100,0000 / 1"		DATE	REVISED -		DATE	REVISED -						
PLOT DATE = 5/16/2017		DATE	REVISED -		DATE	REVISED -						

* Specialty Item

REV

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE	0021 90% FED 5% STATE 5% CITY	0021 100% CITY	0021 75% FED STP 25% CITY	0021 90% FED 10% STATE	0021 54% FED 3% STATE 43% CITY
*89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1000					1000	
*89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1				
*89502380	REMOVE EXISTING HANDHOLE	EACH	6		6				
*89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1				
*89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9				
A2004512	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2					
A2005416	TREE, LIRIODENDRON TULIPIFERA (TULIP TREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1					
B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	1	1					
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	1	1					
K1005863	TREE ROOT PRUNING	EACH	15	15					
*X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	332				332		

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE	0021 90% FED 5% STATE 5% CITY	0021 100% CITY	0021 75% FED STP 25% CITY	0021 90% FED 10% STATE	0021 54% FED 3% STATE 43% CITY
*X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	2000					2000	
*X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4				4		
*X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1			1			
*X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 10 AND NO. 10 GROUND	FOOT	531			531			
*X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1			
*X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2			2			
*X1400216	LAYER II (DATA LINK) SWITCH	EACH	1			1			
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	6	6					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	12	12					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	55	55					
X6020094	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1					
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1	1					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1					*SPECIALTY ITEMS

FILE NAME =	USER NAME = jacobm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES US RTE 34 AT COLUMBIA STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFFICE OF THE DIRECTOR OF TRANSPORTATION	PROJECT PI/42/2/CAD/Design/PI/42/2/0000	CHECKED -	REVISED -					311	10Y-TS-1	DUPAGE	100	10
PLT SCALE = 1/8" = 1'-0"	DATE = 5/16/2017	DATE -	REVISED -					CONTRACT NO. 60Y79			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
SCALE:	SHEET NO.	OF SHEETS	STA.					TO STA.				

NON-PARTICIPATING

REV

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 90% FED 10% STATE ROADWAY	0021 90% FED 5% STATE 5% CITY TRAFFIC SIGNAL	0021 100% CITY LED SIGNS EVP	0021 100% CITY LIGHTING	0021 90% FED 10% STATE INTERCONNECT	0021 54% FED 3% STATE 43% CITY TRAFFIC SIGNAL
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	5995	5995					
*X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1				1		
*X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	12				12		
X8410102	TEMPORARY LIGHTING SYSTEM	LSUM	1				1		
XL410103	REMOVE TEMPORARY LIGHTING SYSTEM	LSUM	1				1		
*X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1				
*X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	14700					14700	
*X8770127	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1						1
*X8770134	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1						1
*X8770136	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1						1
*X8771250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT. (SPECIAL)	EACH	1						1
X1400254	TRAFFIC SIGNAL POST, 16 FOOT (SPECIAL)	EACH	4						4
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	20	20					

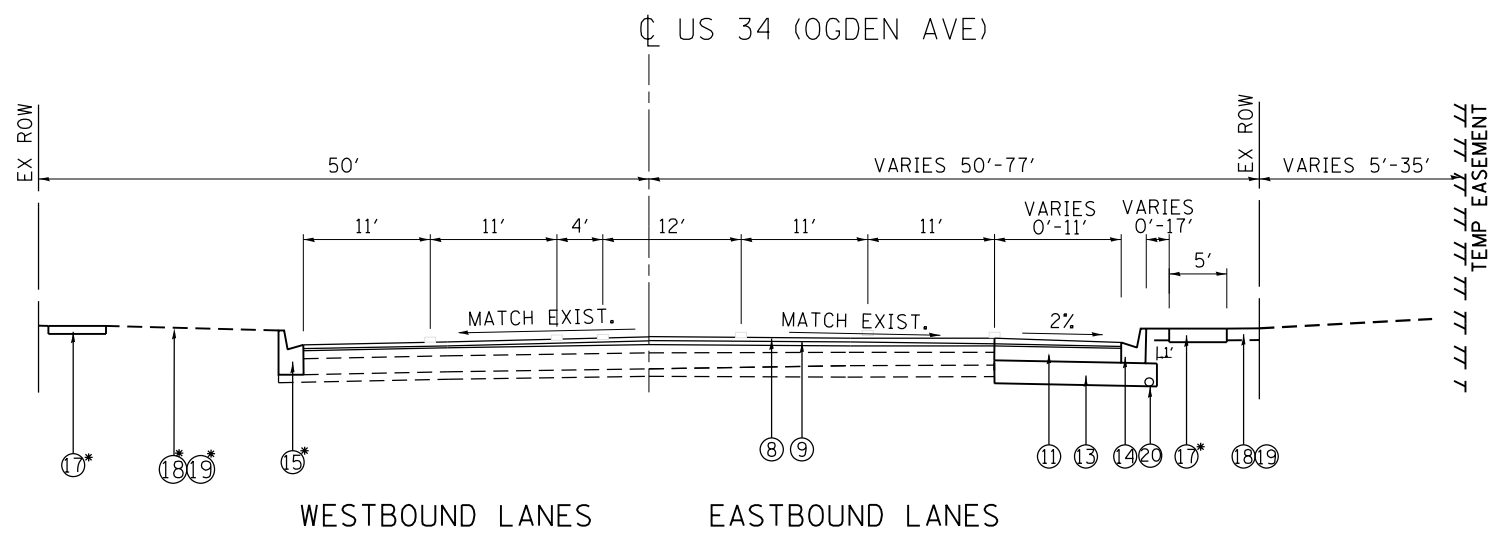
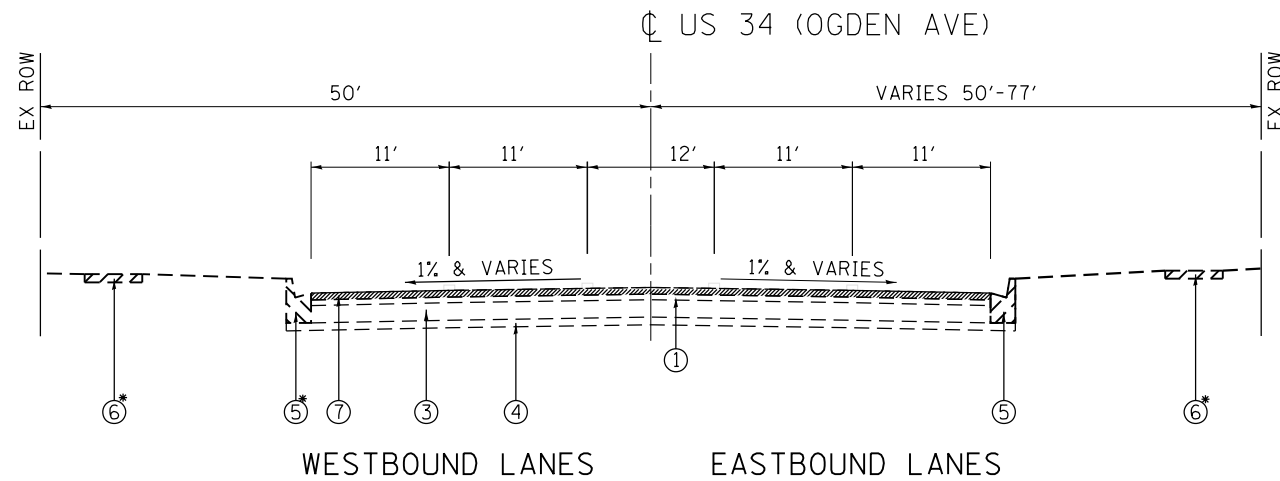
SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 90% FED 10% STATE ROADWAY	0021 90% FED 5% STATE 5% CITY TRAFFIC SIGNAL	0021 100% CITY LED SIGNS EVP	0021 100% CITY LIGHTING	0021 90% FED 10% STATE INTERCONNECT	0021 54% FED 3% STATE 43% CITY TRAFFIC SIGNAL
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1					
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	16	16					
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8					
*Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	3				3		
*Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12				12		
*Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL	EACH	1					1	
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1				1		

*SPECIALTY ITEMS

FILE NAME =	USER NAME = jusepm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100,000' / 1"					CHECKED -	US RTE 34 AT COLUMBIA STREET			311	10Y-TS-1	DuPAGE	100	11
PLOT DATE = 5/16/2017					DATE -	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60Y79	
									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NON-PARTICIPATING

REV



LEGEND:

- ① EXISTING HMA AFTER MILLING, 2"
- ② EXISTING HMA AFTER MILLING, 12"
- ③ EXISTING PCC PAVEMENT, 10"
- ④ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ⑤ EXISTING CURB AND GUTTER
- ⑥ EXISTING CONCRETE SIDEWALK
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (GRADE CORRECTION)
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 4 3/4"
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12 "
- ⑭ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.24
- ⑮ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.18
- ⑯ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.12
- ⑰ PROPOSED CONCRETE SIDEWALK, 5"
- ⑱ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (TYP)
- ⑲ PROPOSED SODDING
- ⑳ PROPOSED PIPE UNDERDRAIN, TYPE 2, 4" (STA. 496+00 TO STA. 499+00) & (STA. 196+00 TO STA. 199+00)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
	MIXTURE TYPE	AIR VOIDS (%)	QMP
WIDENING & RESURFACING	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5 mm)	4% @ 70 GYR	QC/QA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (GRADE CORRECTION)	4% @ 70 GYR	QC/QA
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR	QC/QA
	HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0); 8 1/4"	4% @ 70 GYR	QC/QA
DRIVEWAYS	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 mm); PE-6" ; CE-8"	4% @ 50 GYR	QC/QA
PATCHING	CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/QA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)

NOTES:

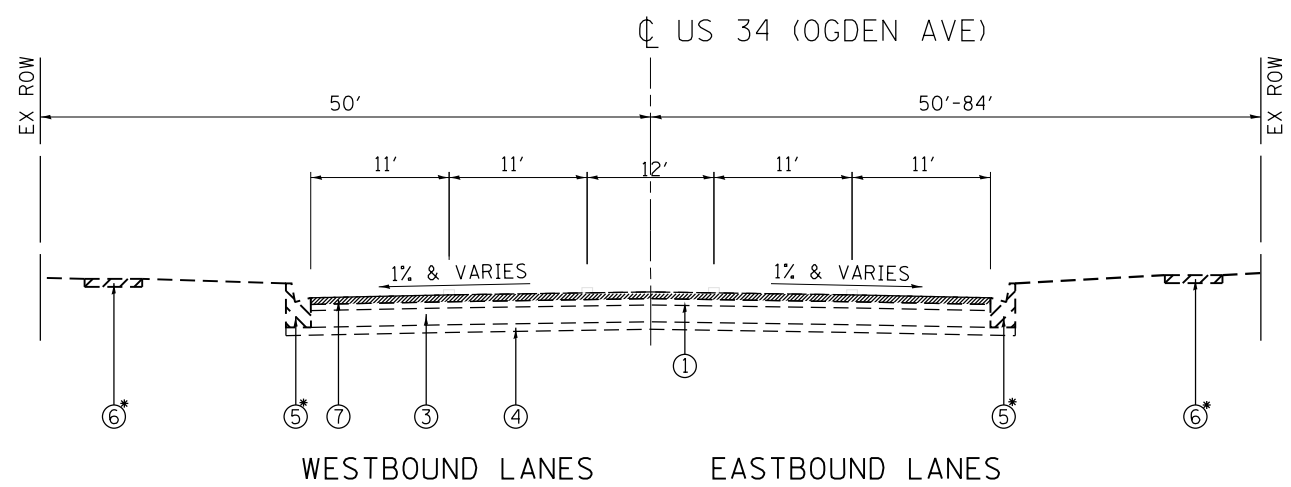
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE MIXTURES IS 112 LBS/SQ YD/IN.

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 DISTRICT ONE SPECIAL PROVISIONS."

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

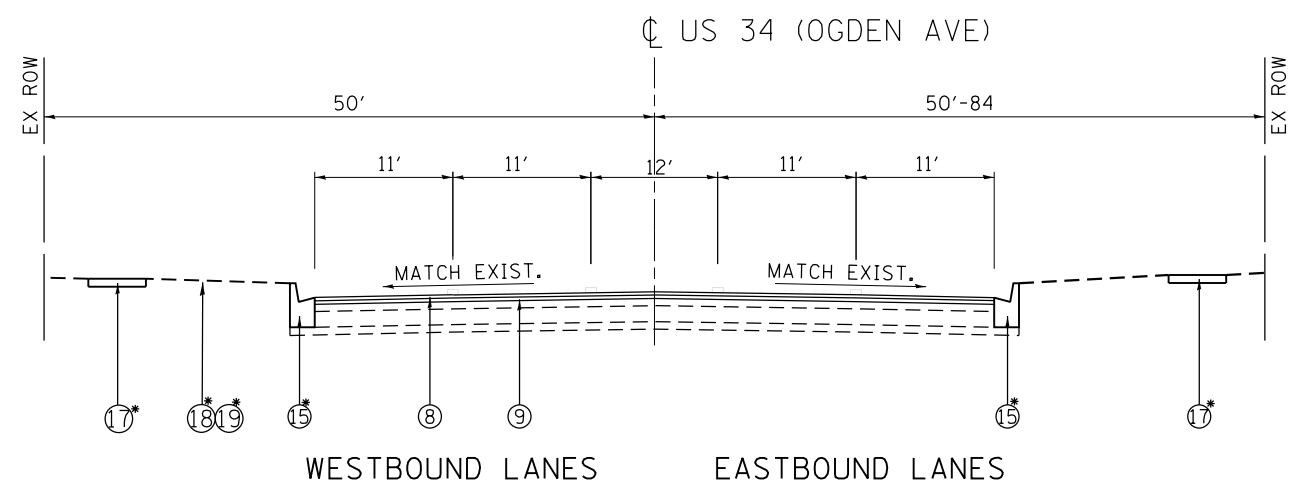
QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

THE CONTRACTOR SHALL MILL BEFORE PATCHING



EXISTING TYPICAL SECTION

US ROUTE 34 (OGDEN AVE) EAST LEG
STA 500+00 TO 504+18
•LOCATION VARIES



PROPOSED TYPICAL SECTION

US ROUTE 34 (OGDEN AVE) EAST LEG
STA 500+00 TO 504+18
•LOCATION VARIES

LEGEND:

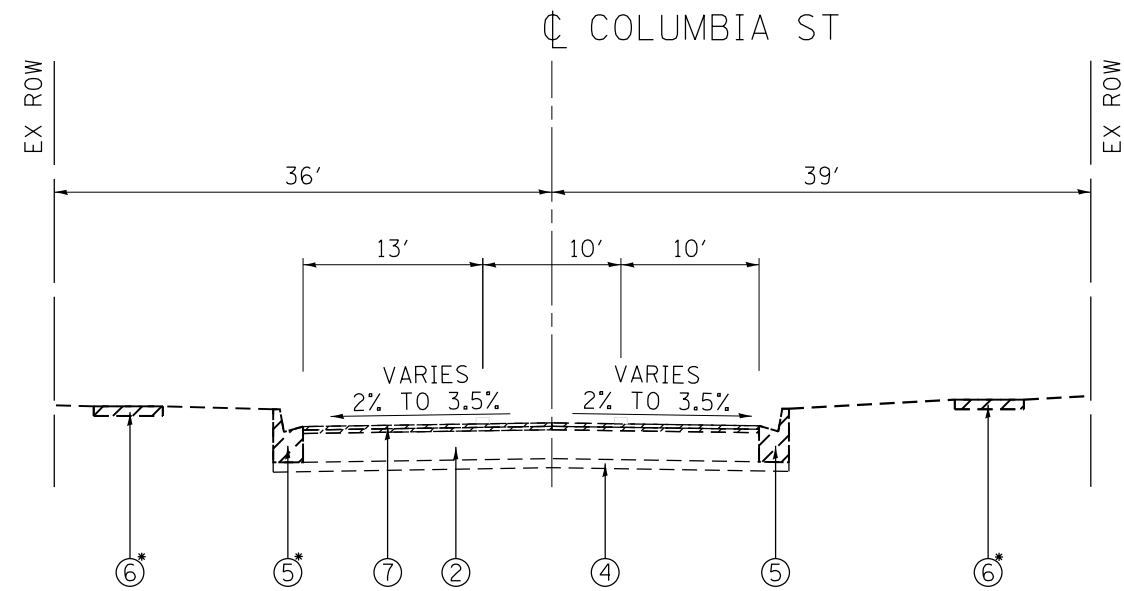
- ① EXISTING HMA AFTER MILLING, 2"
- ② EXISTING HMA AFTER MILLING, 12"
- ③ EXISTING PCC PAVEMENT, 10"
- ④ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ⑤ EXISTING CURB AND GUTTER
- ⑥ EXISTING CONCRETE SIDEWALK
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (GRADE CORRECTION)
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 4 3/4"
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- ⑯ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.12
- ⑰ PROPOSED CONCRETE SIDEWALK, 5"
- ⑱ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (TYP)
- ⑲ PROPOSED SODDING
- ⑳ PROPOSED PIPE UNDERDRAIN, TYPE 2, 4" (STA. 496+00 TO STA. 499+00) & (STA. 196+00 TO STA. 199+00)

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\PI14212\Drawings\PI14212-Design.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 5/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS			
US RTE 34 AT COLUMBIA STREET			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	13
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

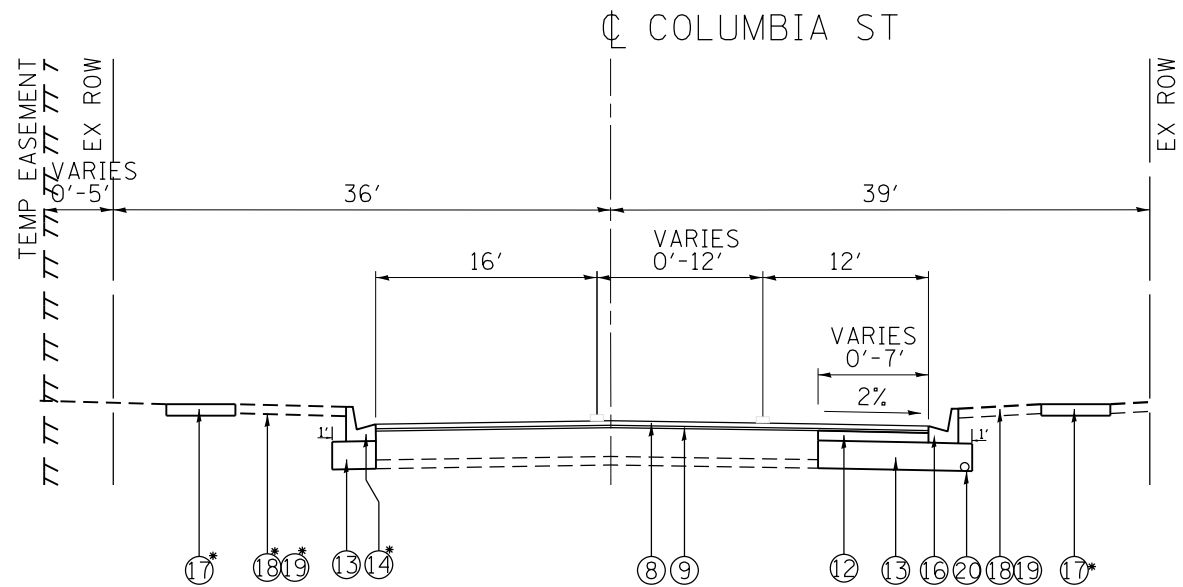


EXISTING TYPICAL SECTION

COLUMBIA ST (SOUTH LEG)
 STA 194+02 TO 200+00
 •LOCATION VARIES

LEGEND:

- ① EXISTING HMA AFTER MILLING, 2"
- ② EXISTING HMA AFTER MILLING, 12"
- ③ EXISTING PCC PAVEMENT, 10"
- ④ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ⑤ EXISTING CURB AND GUTTER
- ⑥ EXISTING CONCRETE SIDEWALK
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (GRADE CORRECTION)
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 4 3/4"
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12 "
- ⑭ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.24
- ⑮ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.18
- ⑯ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.12
- ⑰ PROPOSED CONCRETE SIDEWALK, 5"
- ⑱ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (TYP)
- ⑲ PROPOSED SODDING
- ⑳ PROPOSED PIPE UNDERDRAIN, TYPE 2, 4" (STA. 496+00 TO STA. 499+00) & (STA. 196+00 TO STA. 199+00)



PROPOSED TYPICAL SECTION

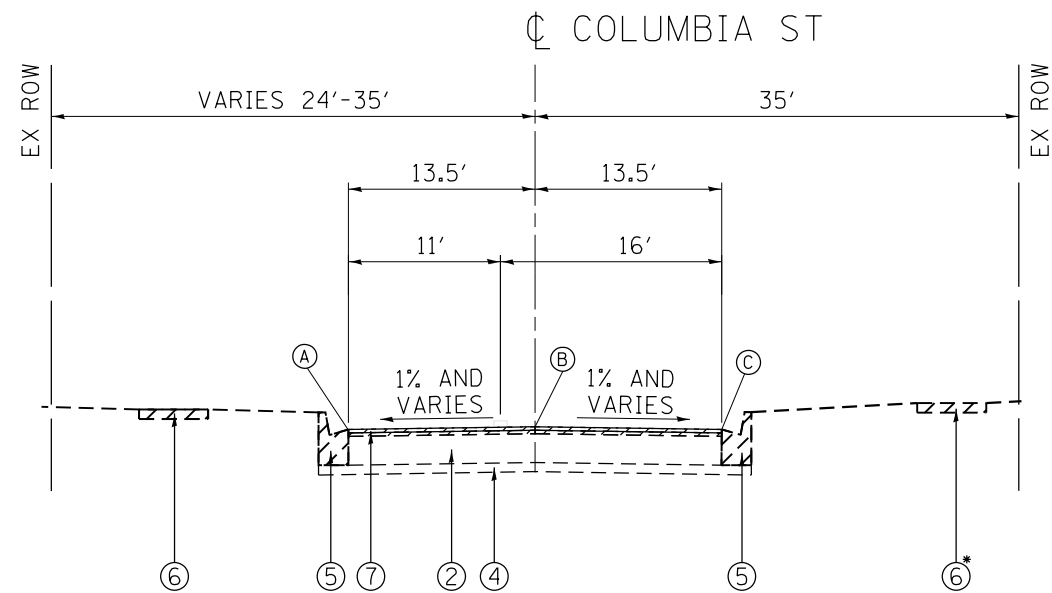
COLUMBIA ST (SOUTH LEG)
 STA 194+02 TO 200+00
 •LOCATION VARIES

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI14212\Design\PI14212-Design.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 5/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS			
US RTE 34 AT COLUMBIA STREET			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	14
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	



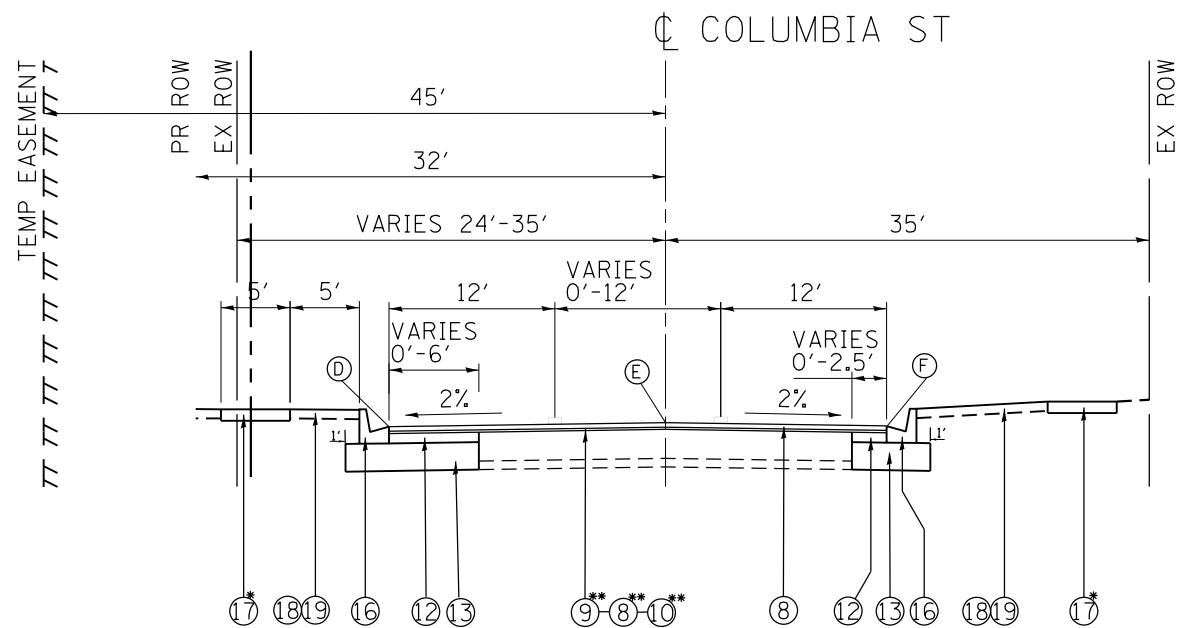
EXISTING TYPICAL SECTION

COLUMBIA ST (NORTH LEG)
STA 200+00 TO STA 204+39

•LOCATION VARIES

LEGEND:

- ① EXISTING HMA AFTER MILLING, 2''
- ② EXISTING HMA AFTER MILLING, 12''
- ③ EXISTING PCC PAVEMENT, 10''
- ④ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4''
- ⑤ EXISTING CURB AND GUTTER REMOVAL
- ⑥ EXISTING CONCRETE SIDEWALK REMOVAL
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2''
- ⑧ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4''
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4''
- ⑩ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (GRADE CORRECTION)
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4''
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 4 3/4''
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12 ''
- ⑭ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.24
- ⑮ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.18
- ⑯ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.12
- ⑰ PROPOSED CONCRETE SIDEWALK, 5''
- ⑱ PROPOSED TOPSOIL FURNISH AND PLACE, 4'' (TYP)
- ⑲ PROPOSED SODDING
- ⑳ PROPOSED PIPE UNDERDRAIN, TYPE 2, 4'' (STA. 496+00 TO STA. 499+00) & (STA. 196+00 TO STA. 199+00)



PROPOSED TYPICAL SECTION

COLUMBIA ST (NORTH LEG)
STA 200+00 TO STA 204+39

•LOCATION VARIES

•• FROM STA 200+60 TO 204+39 SEE SHEET 17 FOR CORRECTION DETAILS

•• HMA BINDER COURSE, N70 SHALL BE USED (INCLUDING WIDENING AREAS) FOR GRADE CORRECTION IN LIEU OF POLYMERIZED LEVELING BINDER, N50

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI14212\Drawings\Design\PI14212-Design.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 5/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS			
US RTE 34 AT COLUMBIA STREET			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	15
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

US RTE. 34 ^①	EARTH EXCAVATION (CU. YD.) ^②	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU. YD.) ^③	EMBANKMENT (CU. YD.) ^④	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.) ^⑤
STAGE I	0	0	0	0
STAGE II	248	211	6	205
COLUMBIA ST.				
STAGE I	390	332	41	291
STAGE II	273	232	8	224
TOTAL				
	911	775	55	720

TREE REMOVAL SCHEDULE

STATION	OFFSET (FEET)	6 TO 15 UNIT DIAMETER
497+24	40' RT	6
498+10	42.5' RT	6
199+00	23' RT	18
TOTAL		30

COLUMNS 1, 2 & 4 LOCATIONS AND QUANTITIES FROM CROSS SECTIONS:
 CUT = EARTH EXCAVATION, FILL = EMBANKMENT / PLACEMENT

COLUMN 3 QUANTITIES OF EARTH EXCAVATION OR TOP SOIL EXCAVATION ADJUSTED FOR SHRINKAGE FACTOR OF 15%

COLUMN 5 EARTHWORK REQUIRED:
 (-) = QUANTITY OF FILL OR EMBANKMENT NEEDED (FURNISHED OR BORROWED EXCAVATION)
 (+) = QUANTITY TO BE WASTED

PIPE UNDERDRAINS

INSTALL LOCATIONS	OFFSET/SIDE (FEET)
STA. 196+00 TO STA. 199+00	24' RT
STA. 496+00 TO STA. 499+00	43.5' RT

LANDSCAPING SCHEDULE

US RTE. 34	* TOP SOIL EXCAVATION (CU. YD.), 6"	* TOP SOIL PLACEMENT (CU. YD.), 6"	TOP SOIL BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
STAGE I	0	0	0
STAGE II	149	73	54
COLUMBIA ST.			
STAGE I	253	148	67
STAGE II	141	82	38
TOTAL			
	543	303	160

* PAID AS "TOP SOIL EXCAVATION AND PLACEMENT"

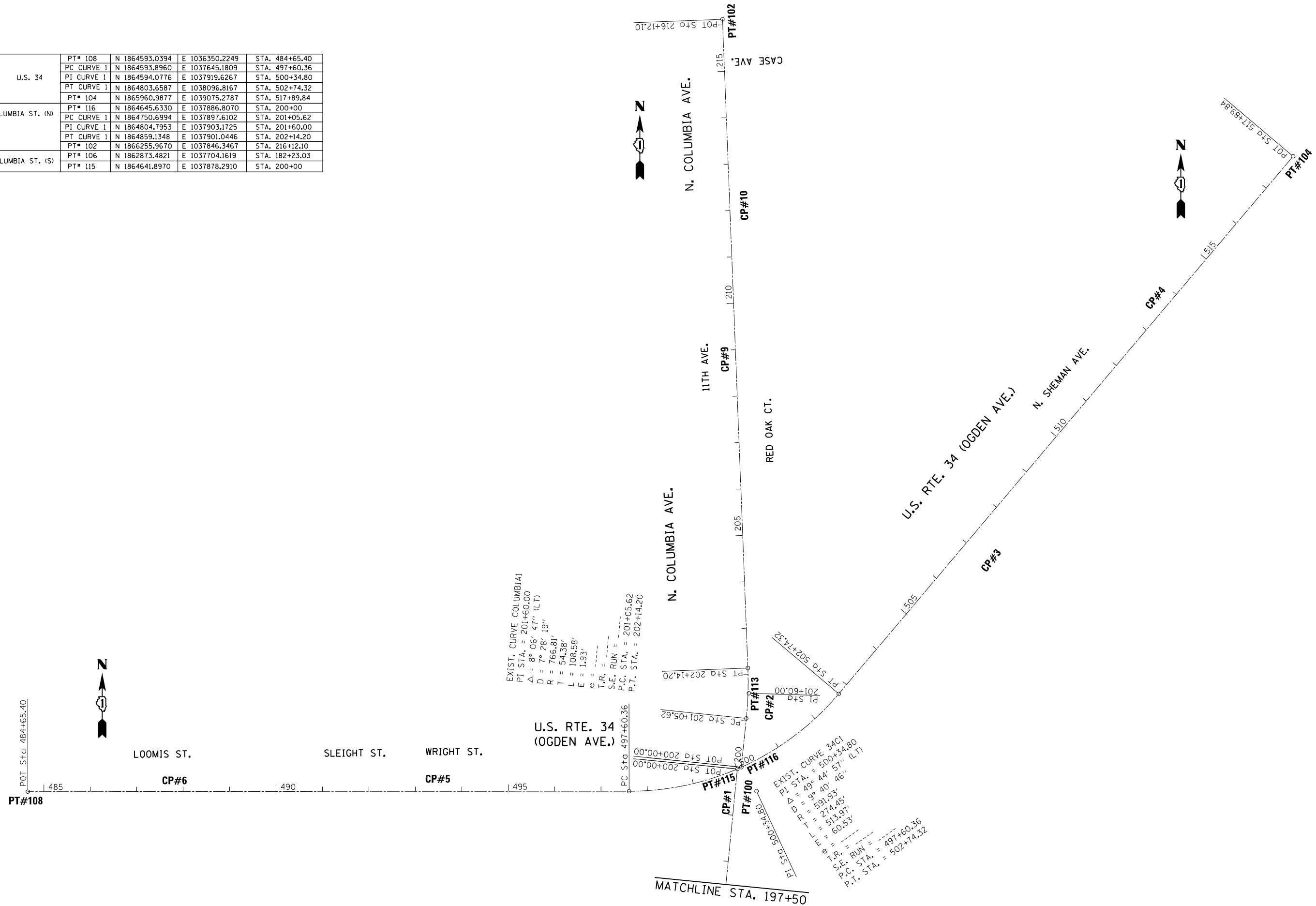
SIGN PANEL SCHEDULE

ROAD	EXISTING SIGNS		PROPOSED SIGNS		SIGN DESCRIPTION MUTCD CODE	PROPOSED ACTION	SIGN PANEL TYPE 1	TELESCOPING STEEL DESIGN SUPPORT	RELOCATE SIGN PANEL TYPE 1
	STATION	OFFSET	STATION	OFFSET			SOFT	FT	SOFT
US ROUTE 34			496+10	RT	RIGHT TURN ONLY R3-3R	PLACE NEW SIGN	7.5	15	
COLUMBIA ST.	198+82	LT			SPEED LIMIT 30 R2-1	REMOVE & PLACE NEW SIGN	7.5	15	
COLUMBIA ST.	201+30	RT			SPEED LIMIT 25 R2-1	REMOVE & PLACE NEW SIGN	7.5	15	
COLUMBIA ST.	199+02	LT			NO TRUCK ROUTE	REMOVE & RELOCATE SIGN			9
TOTAL							22.5	45	9

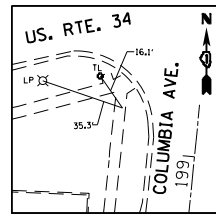
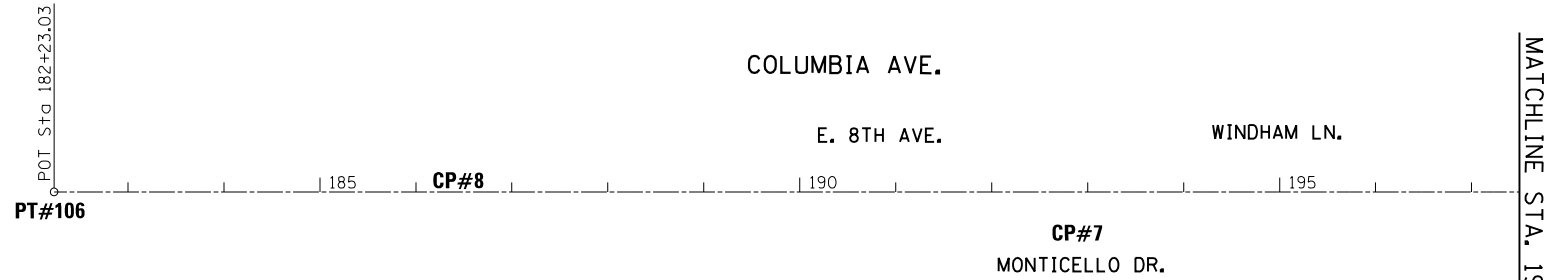
PROFILE CORRECTION HMA BINDER CHART

LOCATION	ELEVATION AFTER 2 1/2 " MILLING			HMA BINDER COURSE ELEVATION		
	COLUMBIA AVE.	LEFT EOP [Ⓐ]	EXISTING PGL [Ⓑ]	RIGHT EOP [Ⓒ]	LEFT EOP [Ⓓ]	PROPOSED PGL [Ⓔ]
STA. 200+60	734.44	734.89	N/A	734.57	734.96	N/A
STA. 200+70	734.69	735.08	734.97	734.73	735.11	N/A
STA. 200+80	734.94	735.27	735.04	734.96	735.34	734.35
STA. 200+90	735.18	735.46	735.26	735.25	735.63	735.01
STA. 201+00	735.43	735.67	735.49	735.55	735.93	735.44
STA. 201+10	735.73	735.93	735.76	735.85	736.23	735.80
STA. 201+20	736.04	736.19	736.03	736.15	736.53	736.13
STA. 201+30	736.35	736.44	736.30	736.45	736.83	736.44
STA. 201+40	736.66	736.70	736.55	736.75	737.13	736.76
STA. 201+50	736.89	736.90	736.75	737.05	737.43	737.07
STA. 201+60	737.07	737.08	736.95	737.36	737.74	737.39
STA. 201+70	737.23	737.26	737.15	737.62	738.00	737.66
STA. 201+80	737.36	737.44	737.33	737.85	738.23	737.89
STA. 201+90	737.48	737.62	737.42	738.03	738.41	738.07
STA. 202+00	737.54	737.67	737.43	738.16	738.54	738.20
STA. 202+10	737.57	737.61	737.38	738.26	738.62	738.28
STA. 202+20	737.60	737.55	737.33	738.31	738.67	738.33
STA. 202+30	737.60	737.49	737.28	738.32	738.67	738.33
STA. 202+40	737.48	737.42	737.23	738.28	738.62	738.28
STA. 202+50	737.36	737.36	737.18	738.19	738.54	738.20
STA. 202+60	737.24	737.29	737.13	738.06	738.40	738.07
STA. 202+70	737.12	737.23	737.08	737.90	738.24	737.90
STA. 202+80	737.01	737.17	737.03	737.73	738.08	737.74
STA. 202+90	736.89	737.10	736.97	737.57	737.91	737.57
STA. 203+00	736.77	737.01	736.85	737.40	737.75	737.41
STA. 203+10	736.77	736.88	736.85	737.23	737.58	737.24
STA. 203+20	736.51	736.76	736.60	737.07	737.42	737.08
STA. 203+30	736.39	736.63	736.47	736.90	737.25	736.91
STA. 203+40	736.26	736.50	736.32	736.74	737.09	736.75
STA. 203+50	736.13	736.37	736.15	736.57	736.92	736.58
STA. 203+60	736.00	736.24	735.97	736.41	736.76	736.42
STA. 203+70	735.88	736.11	735.79	736.24	736.59	736.25
STA. 203+80	735.75	735.98	735.61	736.08	736.43	736.09
STA. 203+90	735.62	735.86	735.44	735.91	736.26	735.93
STA. 204+00	735.52	735.77	735.30	735.75	736.10	735.76
STA. 204+10	735.45	735.69	735.24	735.58	735.93	735.60
STA. 204+20	735.38	735.61	735.18	735.43	735.78	735.44
STA. 204+30	735.31	735.54	735.13	735.30	735.64	735.30
STA. 204+39	735.25	735.48	735.08	735.20	735.54	735.21

U.S. 34	PT# 108	N 1864593.0394	E 1036350.2249	STA. 484+65.40
	PC CURVE 1	N 1864593.8960	E 1037645.1809	STA. 497+60.36
	PI CURVE 1	N 1864594.0776	E 1037919.6267	STA. 500+34.80
	PT CURVE 1	N 1864803.6587	E 1038096.8167	STA. 502+74.32
COLUMBIA ST. (N)	PT# 104	N 1865960.9877	E 1039075.2787	STA. 517+89.84
	PT# 116	N 1864645.6330	E 1037886.8070	STA. 200+00
	PC CURVE 1	N 1864750.6994	E 1037897.6102	STA. 201+05.62
	PI CURVE 1	N 1864804.7953	E 1037903.1725	STA. 201+60.00
COLUMBIA ST. (S)	PT CURVE 1	N 1864859.1348	E 1037901.0446	STA. 202+14.20
	PT# 102	N 1866255.9670	E 1037846.3467	STA. 216+12.10
	PT# 106	N 1862873.4821	E 1037704.1619	STA. 182+23.03
	PT# 115	N 1864641.8970	E 1037878.2910	STA. 200+00

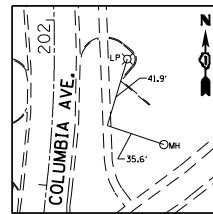


FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENTS, TIES AND BENCHMARKS US ROUTE 34 AT COLUMBIA STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			311	10Y-TS-1	DUPAGE	100	18	
		DATE -	REVISED -			CONTRACT NO. 60Y79					
						ILLINOIS FED. AID PROJECT					



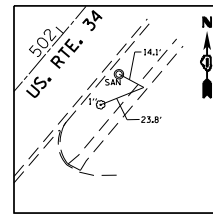
CONTROL POINT 1

"X" CUT IN SIDEWALK
IN S.W. QUAD OF
US. 34 & COLUMBIA
N=1864562.8420
E=1037838.3401
ELEV.=735.067



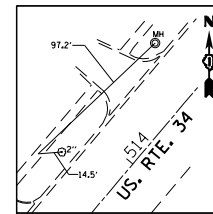
CONTROL POINT 2

"X" CUT IN SIDEWALK
IN N.E. QUAD OF
US. 34 & COLUMBIA
N=1864781.2168
E=1037933.5070
ELEV.=739.087



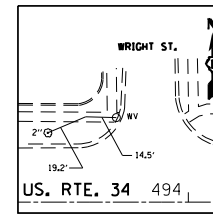
CONTROL POINT 3

"X" CUT IN SIDEWALK
±600' E. OF COLUMBIA
ON S. SIDE OF US. 34
N=1865101.5083
E=1038412.0698
ELEV.=742.444



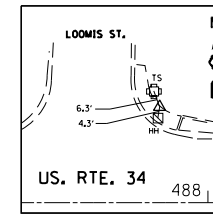
CONTROL POINT 4

"X" CUT IN SIDEWALK
±1350' E. OF COLUMBIA
ON N. SIDE OF US. 34
N=1865669.4329
E=1038766.5757
ELEV.=746.961



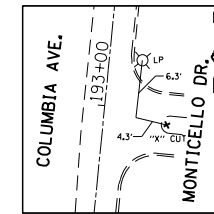
CONTROL POINT 5

"X" CUT IN SIDEWALK
IN N.W. CORNER OF
US. 34 & WRIGHT
N=1864636.5371
E=1037233.1853
ELEV.=730.447



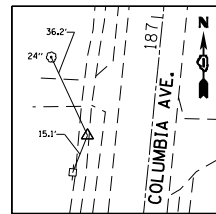
CONTROL POINT 6

"X" CUT IN SIDEWALK
N.E. CORNER OF
US. 34 & LOOMIS
N=1864633.3325
E=1036664.6220
ELEV.=719.893



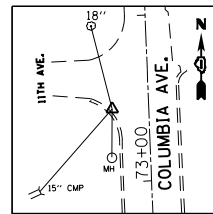
CONTROL POINT 7

MAG NAIL COLUMBIA
SOUTH (EAST SIDE)
N=1863936.6393
E=1037832.1873
ELEV.=731.124



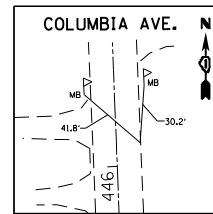
CONTROL POINT 8

"X" CUT IN SIDEWALK
COLUMBIA SOUTH (WEST)
N=1863298.9163
E=1037719.3396
ELEV.=731.359



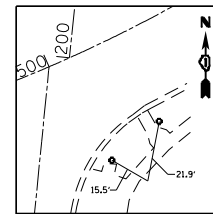
CONTROL POINT 9

MAG NAIL S.W. CORNER
11th & COLUMBIA
N=1865487.8246
E=1037854.3454
ELEV.=737.723



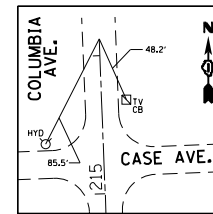
CONTROL POINT 10

MAG NAIL EAST EOP
COLUMBIA ±1200'
N. OF US. 34
N=1865856.1023
E=1037873.9493
ELEV.=738.324



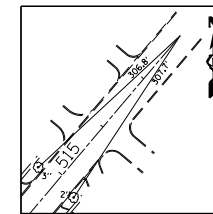
POINT 100

SET IR
N=1864594.0776
E=1037919.6267
ELEV.=717.707



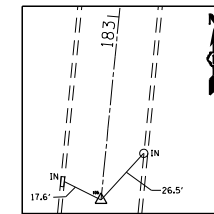
POINT 102

MAG NAIL IN C OF
COLUMBIA ±1650'
N. OF US. 34 &
±100' OF CASE
N=1866255.9670
E=1037846.3467
ELEV.=738.789



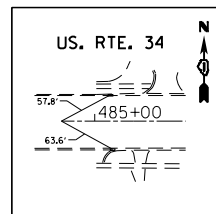
POINT 104

MAG NAIL IN C
OF US. 34
N=1865960.9877
E=1039075.2787
ELEV.=746.969



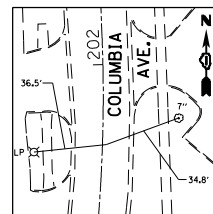
POINT 106

MAG NAIL IN C OF
COLUMBIA ± 1800'
S. OF US. 34
N=1862873.4821
E=1037704.1619
ELEV.=730.578



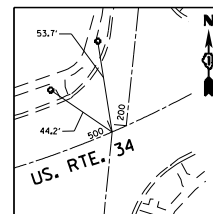
POINT 108

MAG NAIL IN C
OF US. 34
N=1864593.0394
E=1036350.2249
ELEV.=717.707



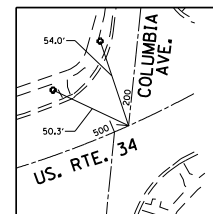
POINT 113

MAG NAIL IN COLUMBIA
ST. NORTH
N=1864804.7953
E=1037903.1961
ELEV.=735.788



POINT 115

MAG NAIL IN C OF
COLUMBIA SOUTH
& US. 34
N=1864641.8970
E=1037878.2910
ELEV.=735.379



POINT 116

MAG NAIL IN C OF
COLUMBIA NORTH
& US. 34
N=1864645.6330
E=1037886.8070
ELEV.=735.584

BENCHMARK #1

ELEV. = 736.327

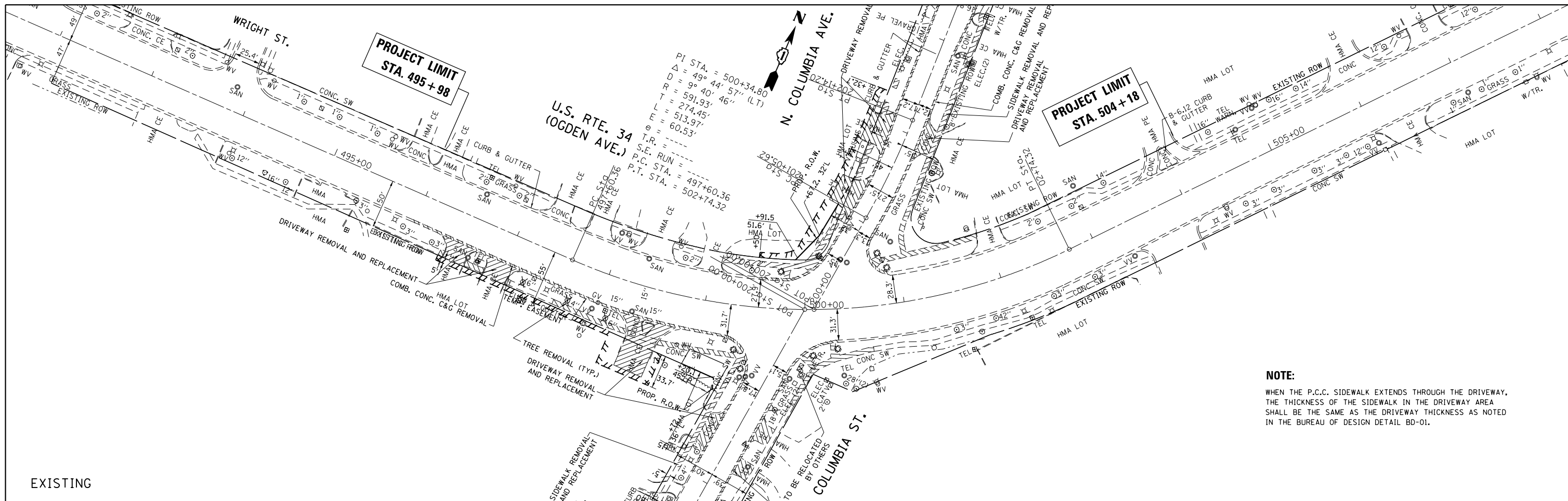
□ -CUT NW CORNER OF T.C.B. @ S.E.
CORNER OF US. 34 & COLUMBIA ST.

BENCHMARK #2

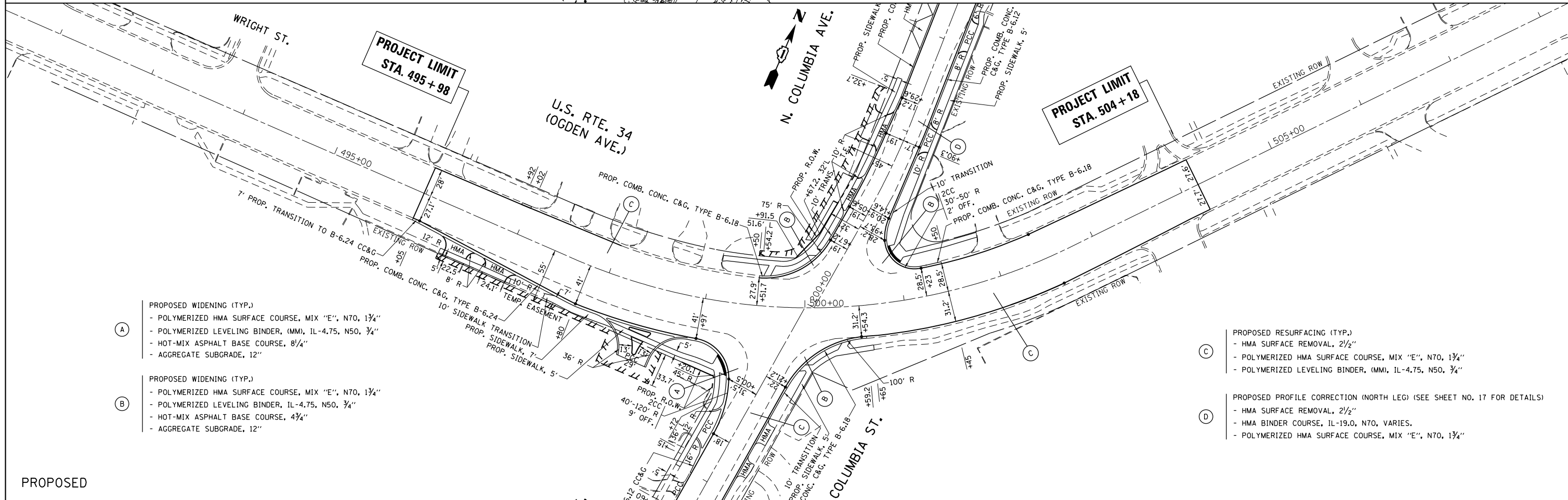
ELEV. = 721.618

□ -CUT NW CORNER OF T.C.B. @ S.E.
CORNER OF US. 34 & LOOMIS ST.

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENTS, TIES AND BENCHMARKS US ROUTE 34 AT COLUMBIA STEET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI14212\Drawings\CAD\Sheets\PI14212-sht-ATB.dgn	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -			311	10Y-TS-1	DUPAGE	100	19	
Default	PLOT DATE = 5/16/2017	DATE -	REVISED -			CONTRACT NO. 60Y79					
						ILLINOIS FED. AID PROJECT					



NOTE:
 WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS AS NOTED IN THE BUREAU OF DESIGN DETAIL BD-01.



- (A)** PROPOSED WIDENING (TYP.)
- POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
 - POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50, 3/4"
 - HOT-MIX ASPHALT BASE COURSE, 8/4"
 - AGGREGATE SUBGRADE, 12"
- (B)** PROPOSED WIDENING (TYP.)
- POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
 - POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4"
 - HOT-MIX ASPHALT BASE COURSE, 4 3/4"
 - AGGREGATE SUBGRADE, 12"

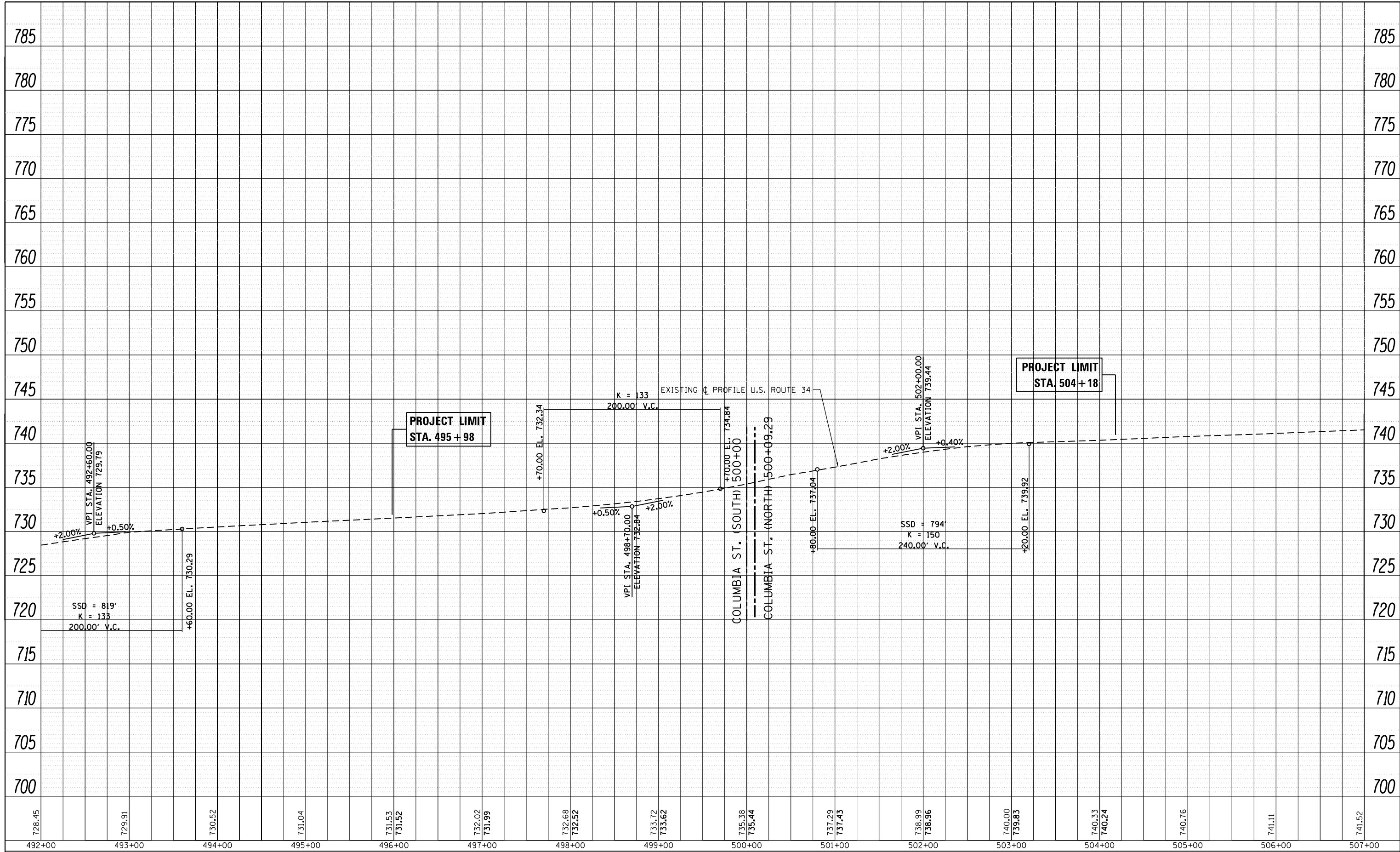
- (C)** PROPOSED RESURFACING (TYP.)
- HMA SURFACE REMOVAL, 2 1/2"
 - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
 - POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50, 3/4"

- (D)** PROPOSED PROFILE CORRECTION (NORTH LEG) (SEE SHEET NO. 17 FOR DETAILS)
- HMA SURFACE REMOVAL, 2 1/2"
 - HMA BINDER COURSE, IL-19.0, N70, VARIES.
 - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN U.S. ROUTE 34 (OGDEN AVE.) AT COLUMBIA STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG\11nois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI1421\Drawings\CADsheets\PI14212-sht-plnpr.f.d		CHECKED -	REVISED -			311	10Y-TS-1	DUPAGE	100	20
Default		DATE -	REVISED -			CONTRACT NO. 60Y79				
						ILLINOIS FED. AID PROJECT				

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	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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PROFILE	SURVEYED	DATE
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	STRUCTURE NOTATIONS CHECKED	
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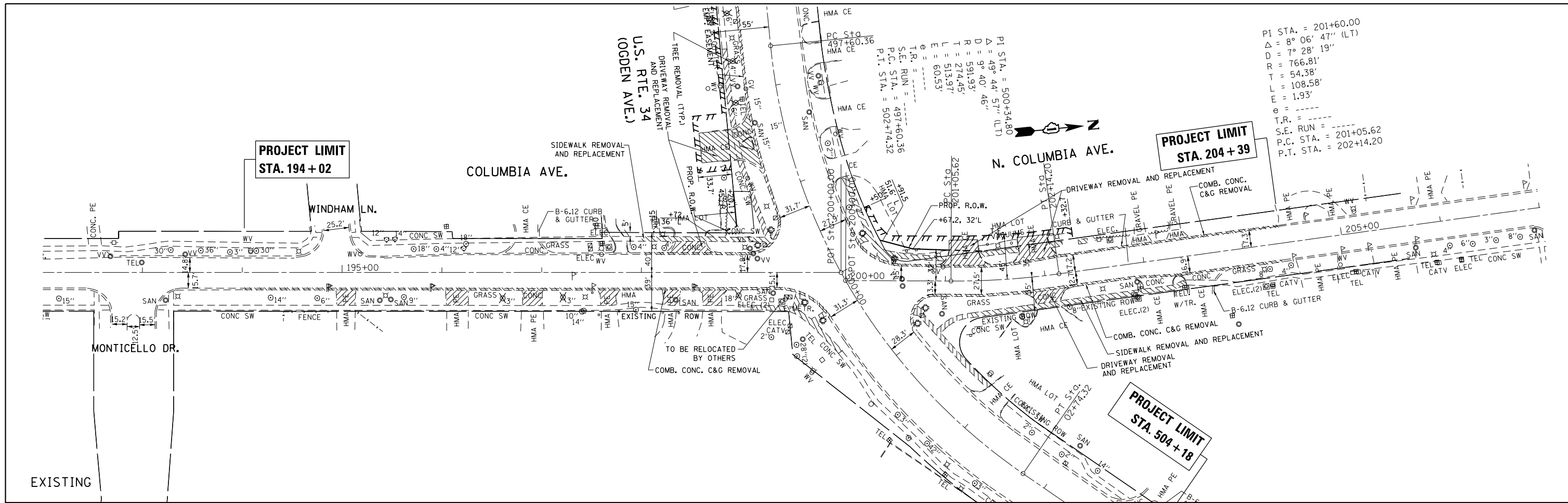
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	PLOT DATE = 5/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

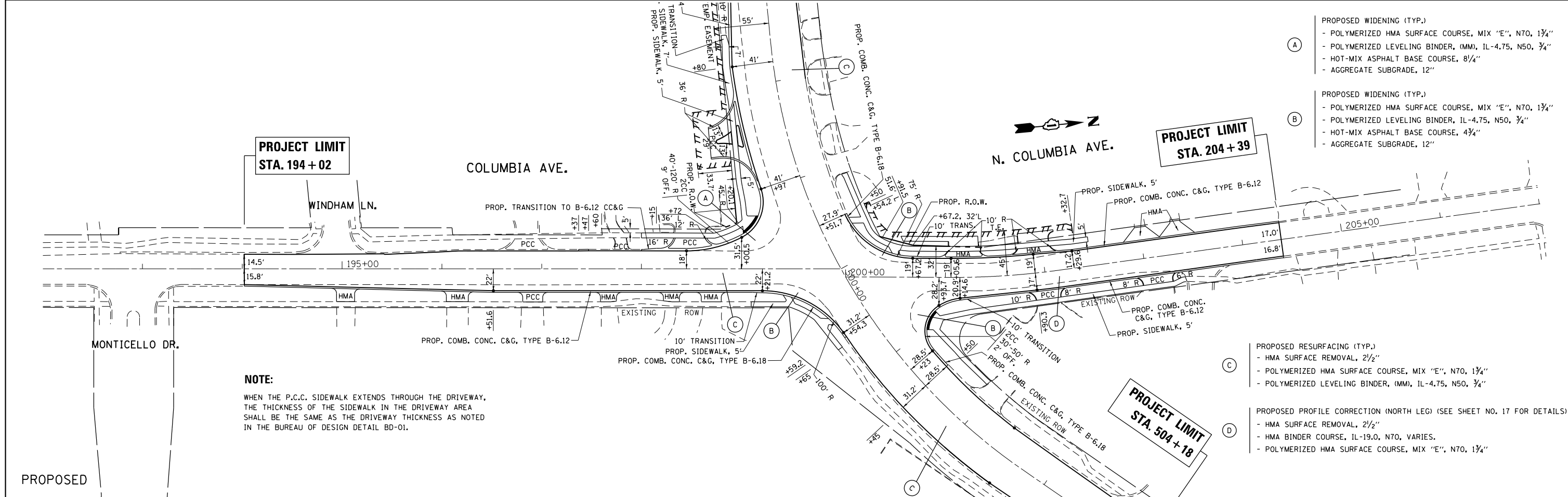
**ROADWAY PROFILE
U.S. ROUTE 34 (OGDEN AVE.) AT COLUMBIA STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	21
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.



PI STA. = 201+60.00
 Δ = 8° 06' 47" (LT)
 D = 7° 28' 19"
 R = 766.81'
 T = 54.38'
 L = 108.58'
 E = 1.93'
 e = ---
 T.R. = ---
 S.E. RUN = 201+05.62
 P.C. STA. = 201+14.20
 P.T. STA. = 202+14.20



(A) PROPOSED WIDENING (TYP.)
 - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
 - POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50, 3/4"
 - HOT-MIX ASPHALT BASE COURSE, 8 1/4"
 - AGGREGATE SUBGRADE, 12"

(B) PROPOSED WIDENING (TYP.)
 - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
 - POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4"
 - HOT-MIX ASPHALT BASE COURSE, 4 3/4"
 - AGGREGATE SUBGRADE, 12"

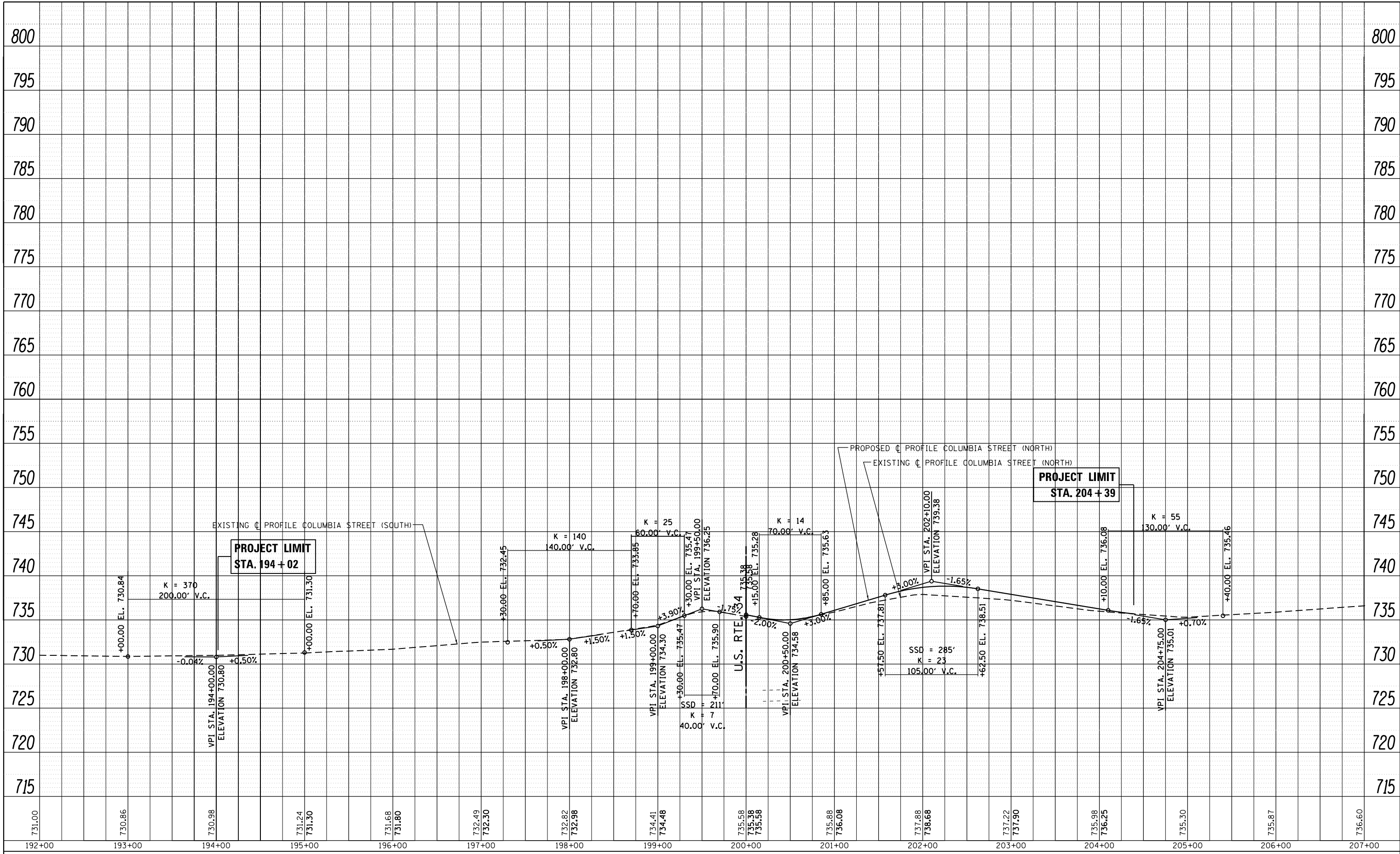
(C) PROPOSED RESURFACING (TYP.)
 - HMA SURFACE REMOVAL, 2 1/2"
 - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
 - POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50, 3/4"

(D) PROPOSED PROFILE CORRECTION (NORTH LEG) (SEE SHEET NO. 17 FOR DETAILS)
 - HMA SURFACE REMOVAL, 2 1/2"
 - HMA BINDER COURSE, IL-19.0, N70, VARIES.
 - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"

NOTE:
 WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS AS NOTED IN THE BUREAU OF DESIGN DETAIL BD-01.

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PROFILE	SURVEYED	DATE
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	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NO.		



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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PROFILE
U.S. ROUTE 34 (OGDEN AVE.) AT COLUMBIA STREET

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	23
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

PRE-STAGE

INSTALL SIGNS SHOWN ON DETAILS "TEMPORARY INFORMATION SIGNING" PLACE
PRIOR TO THE START OF CONSTRUCTION ACTIVITY ON US ROUTE 34 AT COLUMBIA STREET PER DISTRICT DETAIL TC-26.

STAGE I

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE STAGING & TRAFFIC CONTROL STAGE I.
THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)
MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH "TEMPORARY ACCESS".

CONSTRUCTION TO BE PERFORMED IN THE SOUTHEAST AND NORTHWEST QUADRANTS
OF THE INTERSECTION.

1. INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN,
(SEE NOTE)
2. INSTALL PROPOSED STORM SEWER AND DRAINAGE STRUCTURES IN WORK ZONES.
3. REMOVE EXISTING CURB & GUTTER AND SIDEWALK AS SHOWN ON PLANS.
4. CONSTRUCT PROPOSED WIDENING AREA (AGGREGATE SUBGRADE AND HMA BASE COURSE.)
5. RECONSTRUCT DRIVEWAYS, ENTRANCES, AND SIDEWALK AS SHOWN ON PLANS
6. EARTHWORK AND GRADING OF WORK ZONE AREAS

STAGE II

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE STAGING & TRAFFIC CONTROL STAGE II.
THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)
MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH "TEMPORARY ACCESS".

CONSTRUCTION TO BE PERFORMED IN THE NORTHEAST AND SOUTHWEST QUADRANTS
OF THE INTERSECTION.

1. INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN,
(SEE NOTE)
2. INSTALL PROPOSED STORM SEWER AND DRAINAGE STRUCTURES IN WORK ZONES.
3. REMOVE EXISTING CURB & GUTTER AND SIDEWALK AS SHOWN ON PLANS.
4. CONSTRUCT PROPOSED WIDENING AREA (AGGREGATE SUBGRADE AND HMA BASE COURSE.)
5. RECONSTRUCT DRIVEWAYS, ENTRANCES, AND SIDEWALK AS SHOWN ON PLANS
6. EARTHWORK AND GRADING OF WORK ZONE AREAS

STAGE III


MILL EXSIT. PAVEMENT AND INSTALL FINAL SURFACE & BINDER (SEE LOC.) ON THE MILLED AND WIDENING AREA,
INSTALL FINAL PAVEMENT MARKING, RAISED REFLECTIVE PAVEMENT MARKERS, SWALES, SODDING AND ALL OTHER COLLATERAL
WORK AS SHOWN ON THE TYPICAL SECTIONS AND PAVEMENT MARKING PLANS.

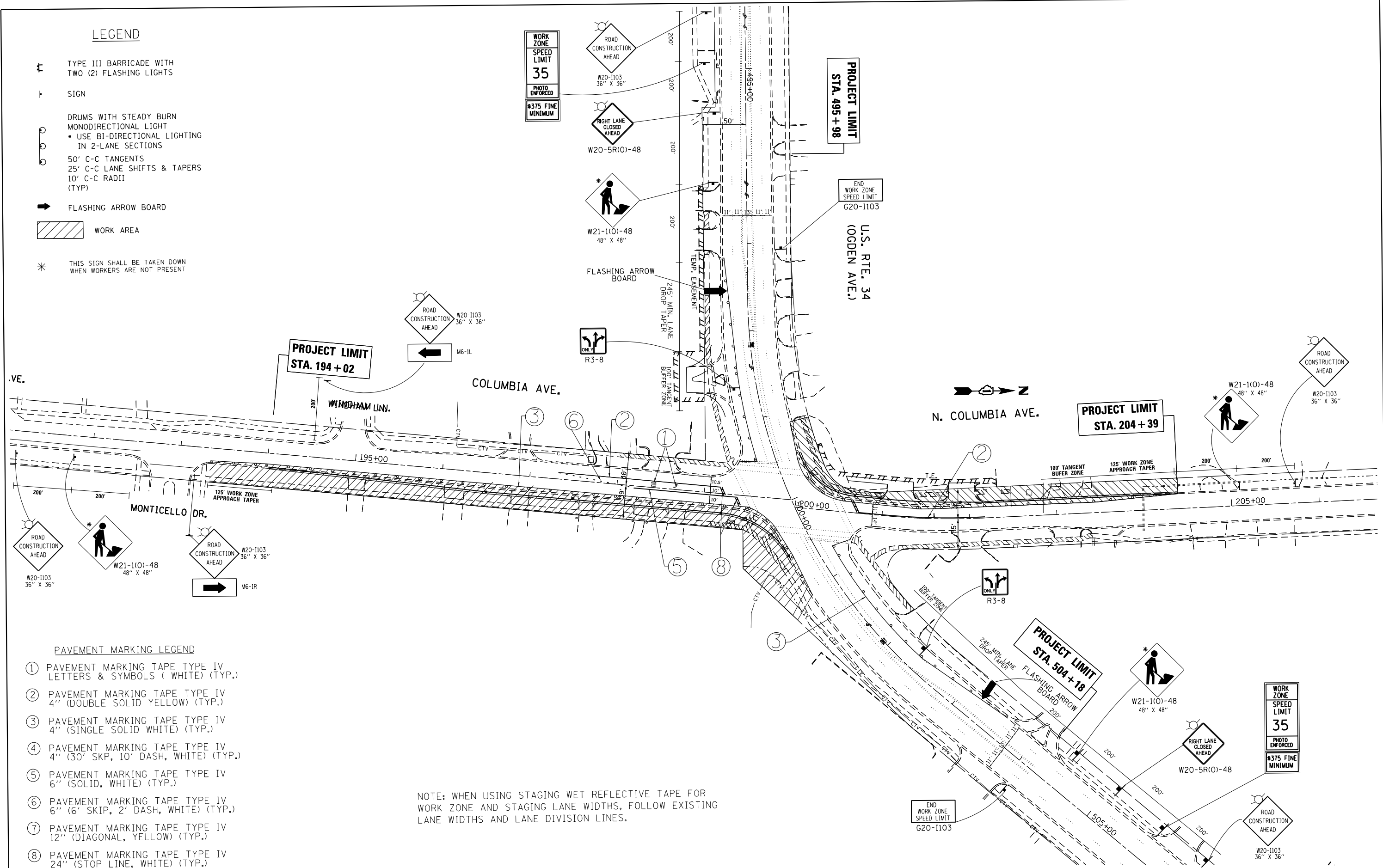
NOTE:

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

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION STAGES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI14212\Drawings\Design\PI14212-Design.dgn		CHECKED -	REVISED -		US RTE 34 AT COLUMBIA STREET				311	10Y-TS-1	DuPAGE	100	24
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60Y79		
	PLOT DATE = 5/16/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

LEGEND

- † TYPE III BARRICADE WITH TWO (2) FLASHING LIGHTS
- † SIGN
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
 - USE BI-DIRECTIONAL LIGHTING IN 2-LANE SECTIONS
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
- FLASHING ARROW BOARD
-  WORK AREA
- * THIS SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE TYPE IV LETTERS & SYMBOLS (WHITE) (TYP.)
- ② PAVEMENT MARKING TAPE TYPE IV 4" (DOUBLE SOLID YELLOW) (TYP.)
- ③ PAVEMENT MARKING TAPE TYPE IV 4" (SINGLE SOLID WHITE) (TYP.)
- ④ PAVEMENT MARKING TAPE TYPE IV 4" (30' SKP, 10' DASH, WHITE) (TYP.)
- ⑤ PAVEMENT MARKING TAPE TYPE IV 6" (SOLID, WHITE) (TYP.)
- ⑥ PAVEMENT MARKING TAPE TYPE IV 6" (6' SKIP, 2' DASH, WHITE) (TYP.)
- ⑦ PAVEMENT MARKING TAPE TYPE IV 12" (DIAGONAL, YELLOW) (TYP.)
- ⑧ PAVEMENT MARKING TAPE TYPE IV 24" (STOP LINE, WHITE) (TYP.)

NOTE: WHEN USING STAGING WET REFLECTIVE TAPE FOR WORK ZONE AND STAGING LANE WIDTHS, FOLLOW EXISTING LANE WIDTHS AND LANE DIVISION LINES.

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	PLOT DATE = 5/16/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

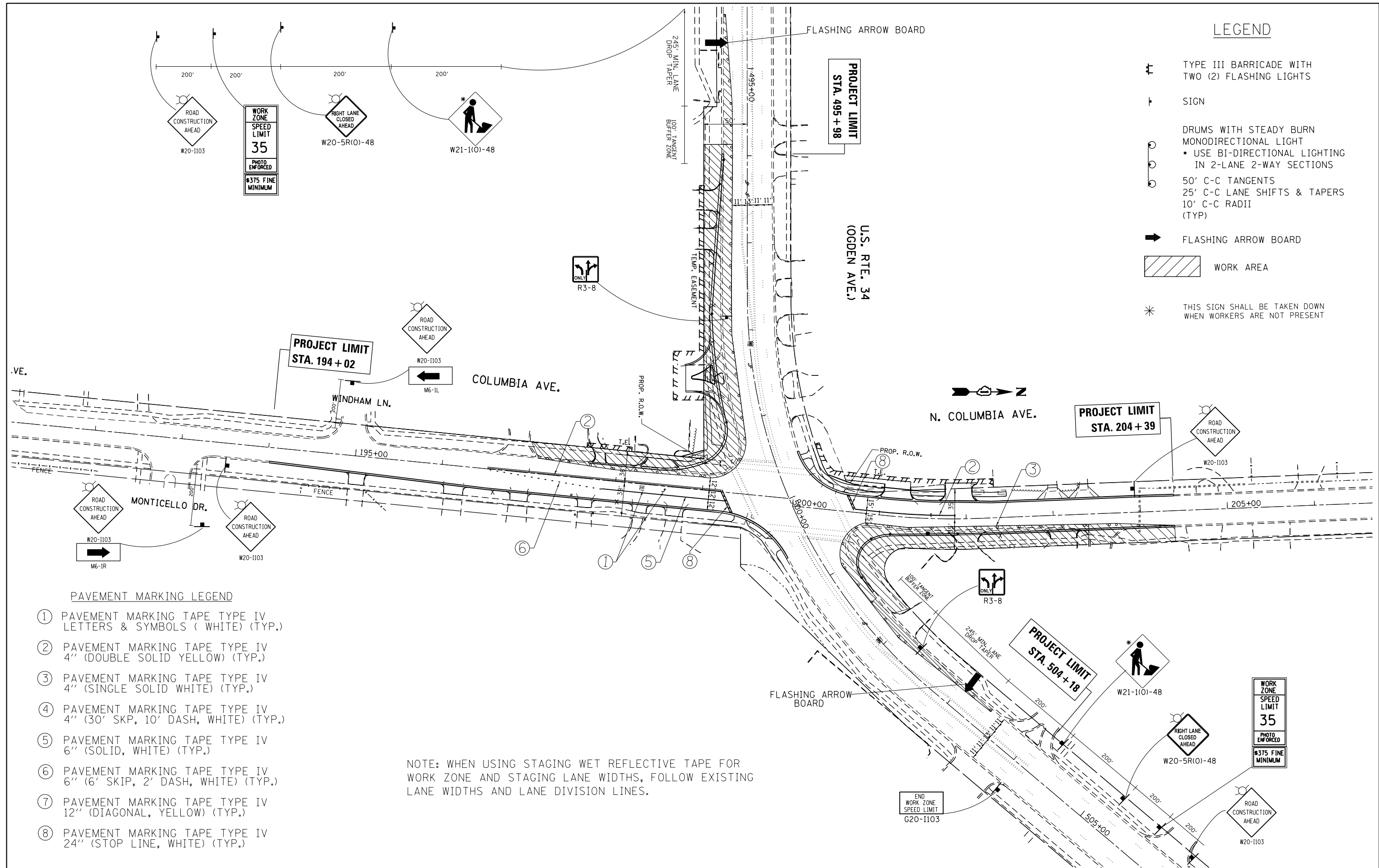
**U.S. ROUTE 34 AT COLUMBIA ST.
STAGE 1**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1		100	25
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

LEGEND

- TYPE III BARRICADE WITH TWO (2) FLASHING LIGHTS
- SIGN
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
 - USE BI-DIRECTIONAL LIGHTING IN 2-LANE 2-WAY SECTIONS
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
- FLASHING ARROW BOARD
- WORK AREA
- * THIS SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT



PAVEMENT MARKING LEGEND

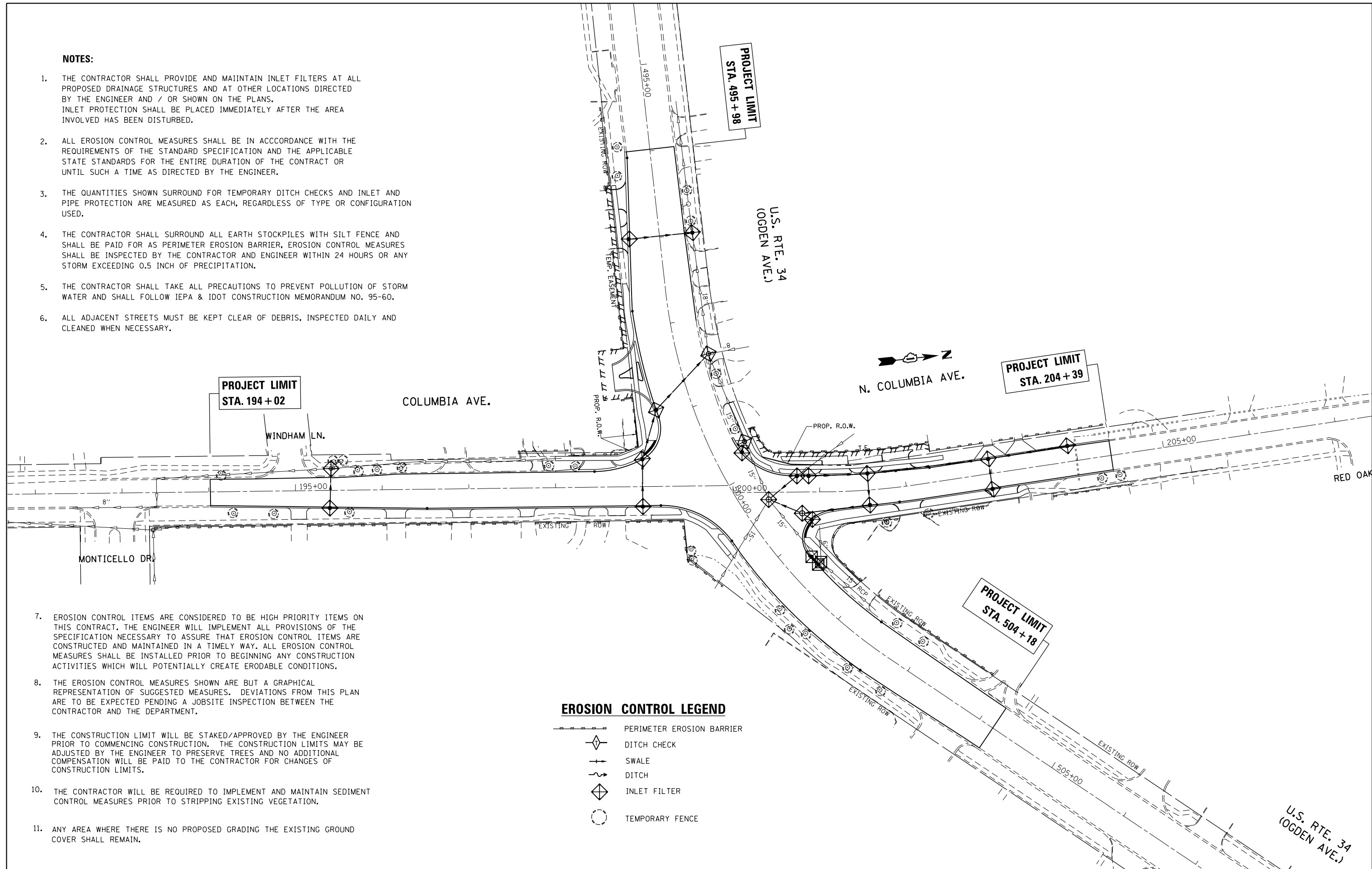
- ① PAVEMENT MARKING TAPE TYPE IV LETTERS & SYMBOLS (WHITE) (TYP.)
- ② PAVEMENT MARKING TAPE TYPE IV 4" (DOUBLE SOLID YELLOW) (TYP.)
- ③ PAVEMENT MARKING TAPE TYPE IV 4" (SINGLE SOLID WHITE) (TYP.)
- ④ PAVEMENT MARKING TAPE TYPE IV 4" (30' SKP, 10' DASH, WHITE) (TYP.)
- ⑤ PAVEMENT MARKING TAPE TYPE IV 6" (SOLID, WHITE) (TYP.)
- ⑥ PAVEMENT MARKING TAPE TYPE IV 6" (6' SKIP, 2' DASH, WHITE) (TYP.)
- ⑦ PAVEMENT MARKING TAPE TYPE IV 12" (DIAGONAL, YELLOW) (TYP.)
- ⑧ PAVEMENT MARKING TAPE TYPE IV 24" (STOP LINE, WHITE) (TYP.)

NOTE: WHEN USING STAGING WET REFLECTIVE TAPE FOR WORK ZONE AND STAGING LANE WIDTHS, FOLLOW EXISTING LANE WIDTHS AND LANE DIVISION LINES.

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. ROUTE 34 at COLUMBIA ST. STAGE 2		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 5/16/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

NOTES:

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN INLET FILTERS AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND / OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
2. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATION AND THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
3. THE QUANTITIES SHOWN SURROUND FOR TEMPORARY DITCH CHECKS AND INLET AND PIPE PROTECTION ARE MEASURED AS EACH, REGARDLESS OF TYPE OR CONFIGURATION USED.
4. THE CONTRACTOR SHALL SURROUND ALL EARTH STOCKPILES WITH SILT FENCE AND SHALL BE PAID FOR AS PERIMETER EROSION BARRIER, EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR AND ENGINEER WITHIN 24 HOURS OR ANY STORM EXCEEDING 0.5 INCH OF PRECIPITATION.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 95-60.
6. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.



7. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
8. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
9. THE CONSTRUCTION LIMIT WILL BE STAKED/APPROVED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGES OF CONSTRUCTION LIMITS.
10. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
11. ANY AREA WHERE THERE IS NO PROPOSED GRADING THE EXISTING GROUND COVER SHALL REMAIN.

EROSION CONTROL LEGEND

- PERIMETER EROSION BARRIER
- ◇ DITCH CHECK
- SWALE
- DITCH
- ◇ INLET FILTER
- TEMPORARY FENCE

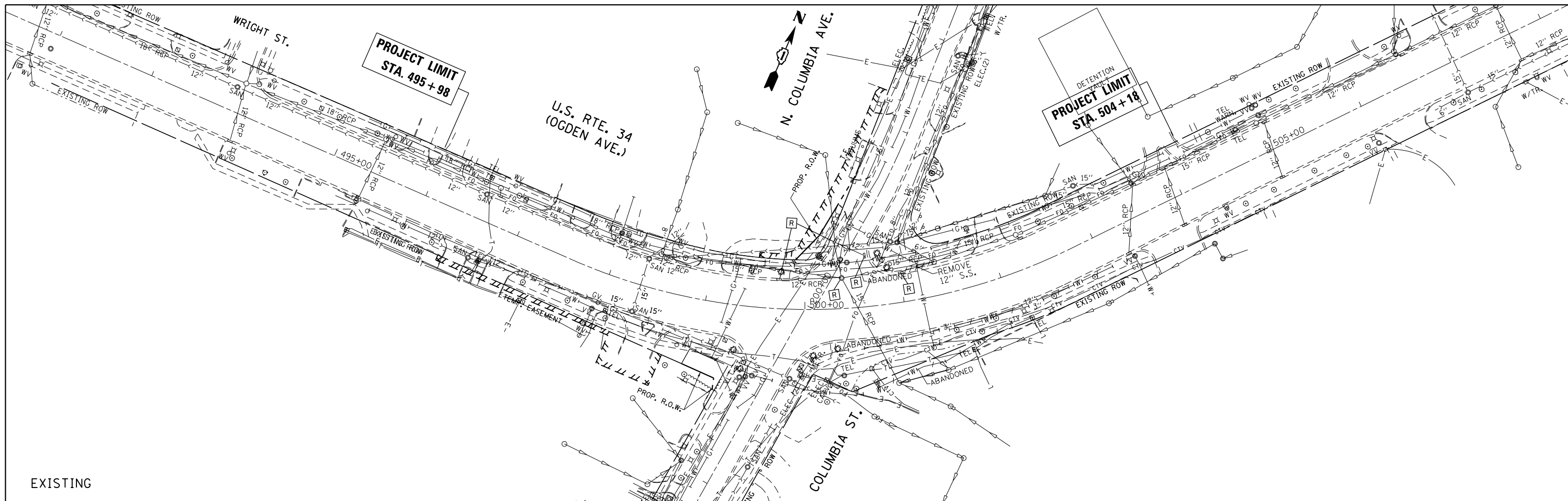
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

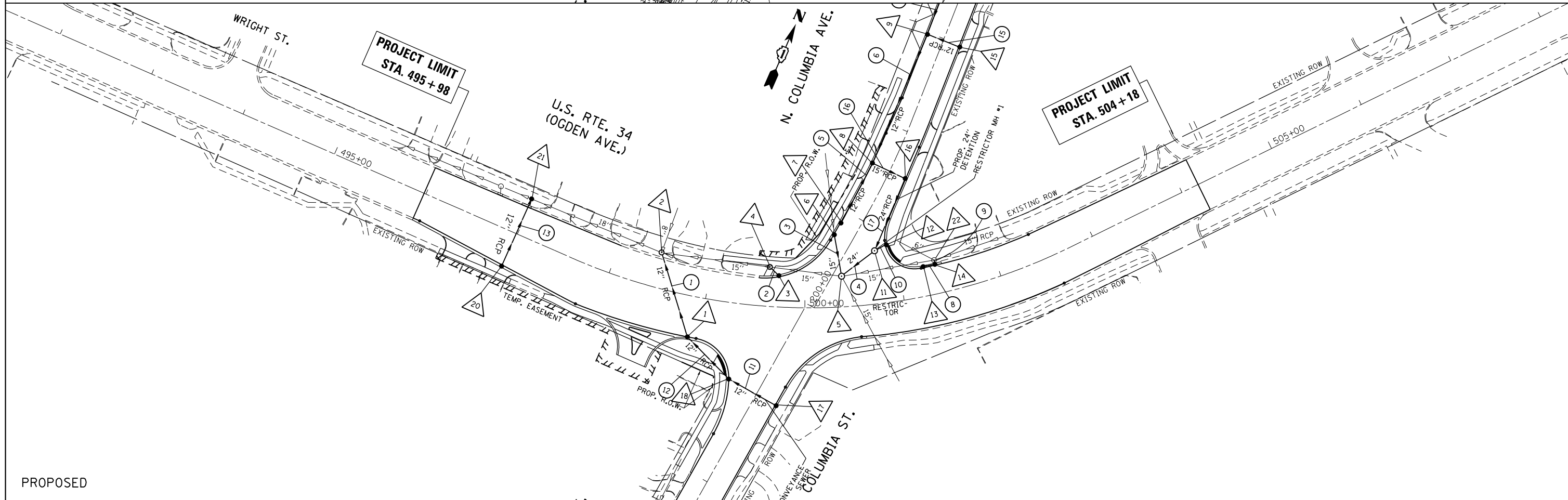
**PROPOSED EROSION CONTROL PLAN
U.S. ROUTE 34 (OGDEN AVE.) AT COLUMBIA STREET**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	27
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				



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PROPOSED

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Default	PLOT DATE = 5/16/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

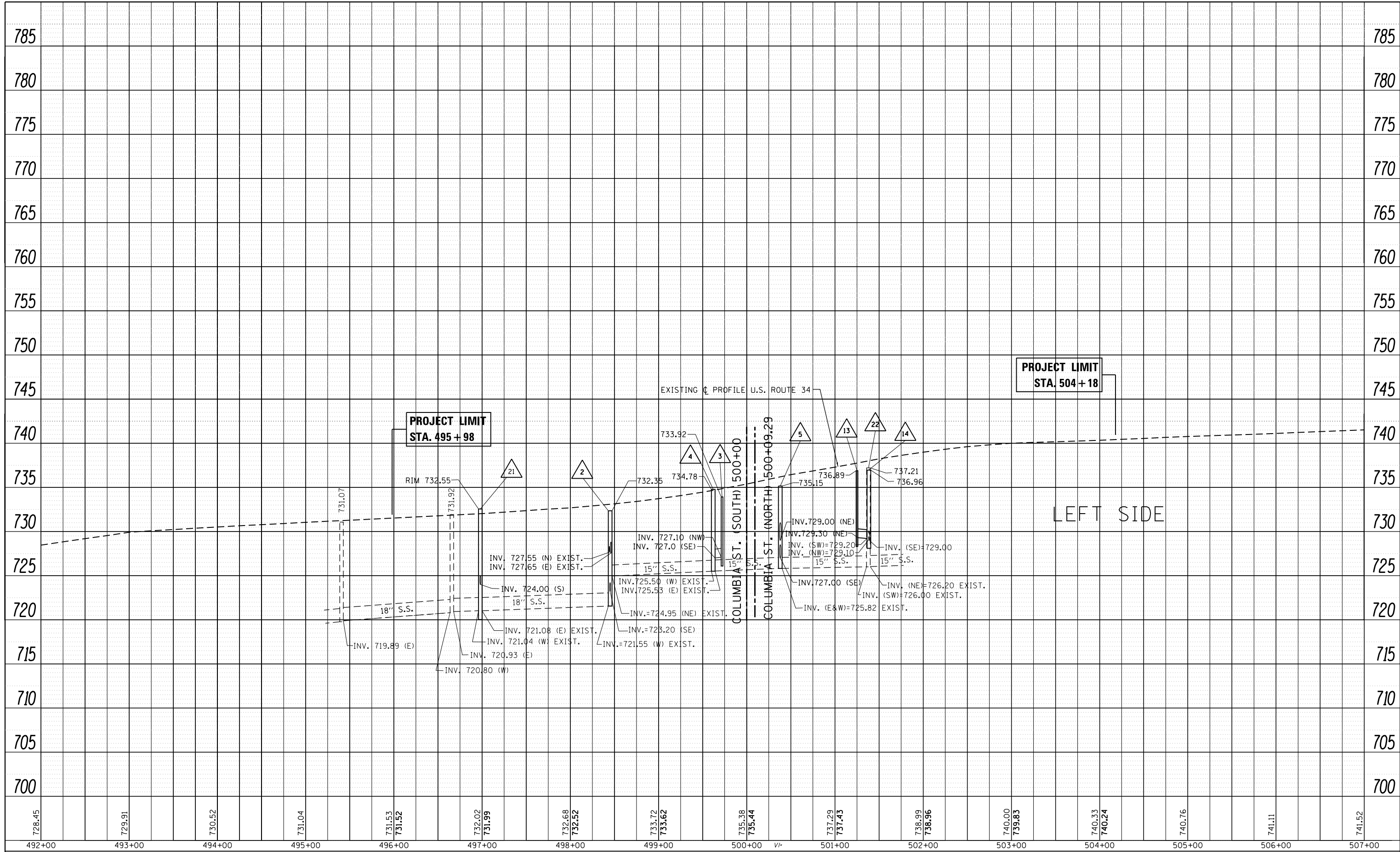
DRAINAGE AND UTILITY PLAN
U.S. ROUTE 34 (OGDEN AVE.) AT COLUMBIA STREET

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	28
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

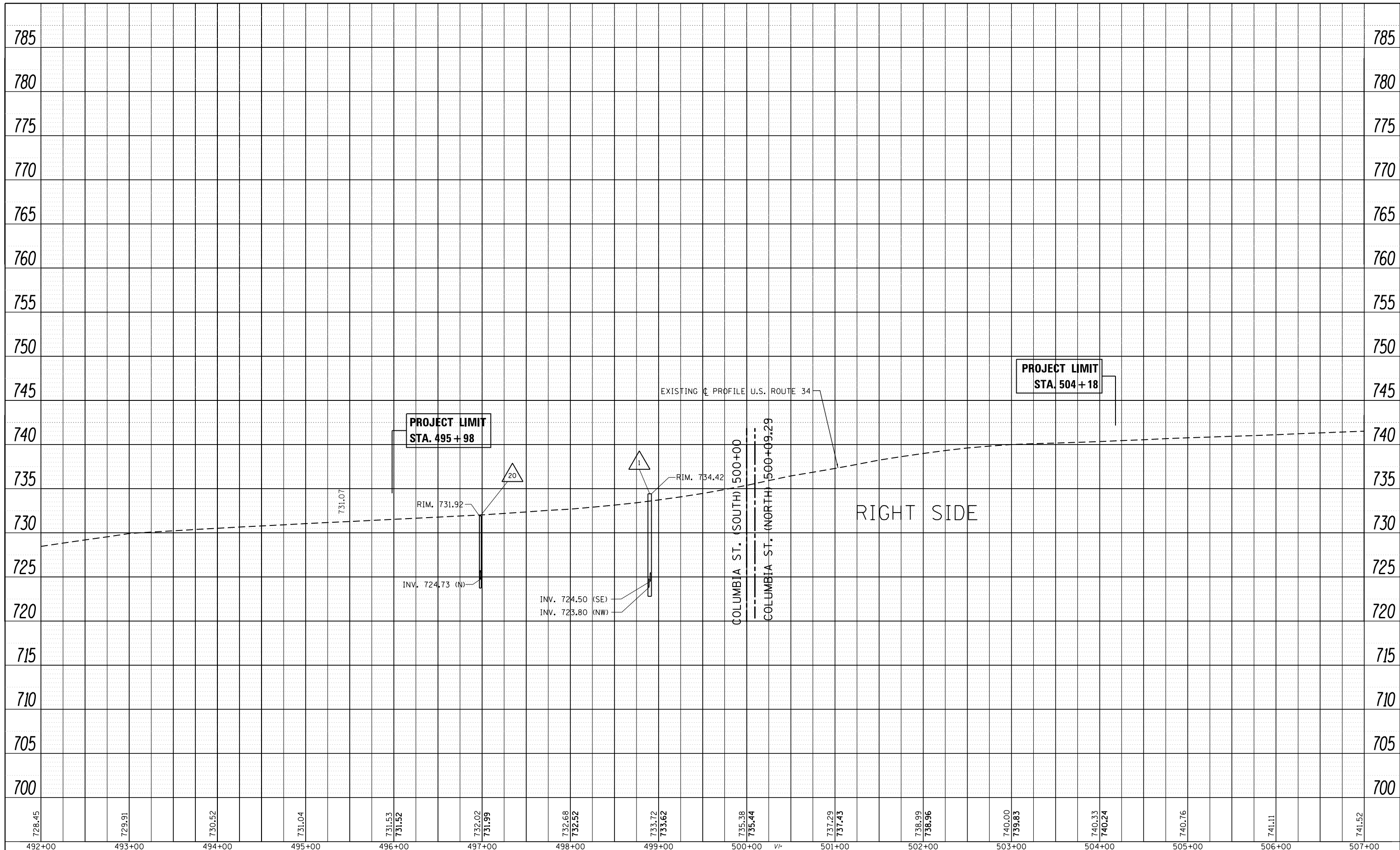
**DRAINAGE PROFILE (LEFT SIDE)
U.S. ROUTE 34 (OGDEN AVE.)**

SCALE: 1"=50' SHEET OF SHEETS STA. 495+98 TO STA. 504+18

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	29
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

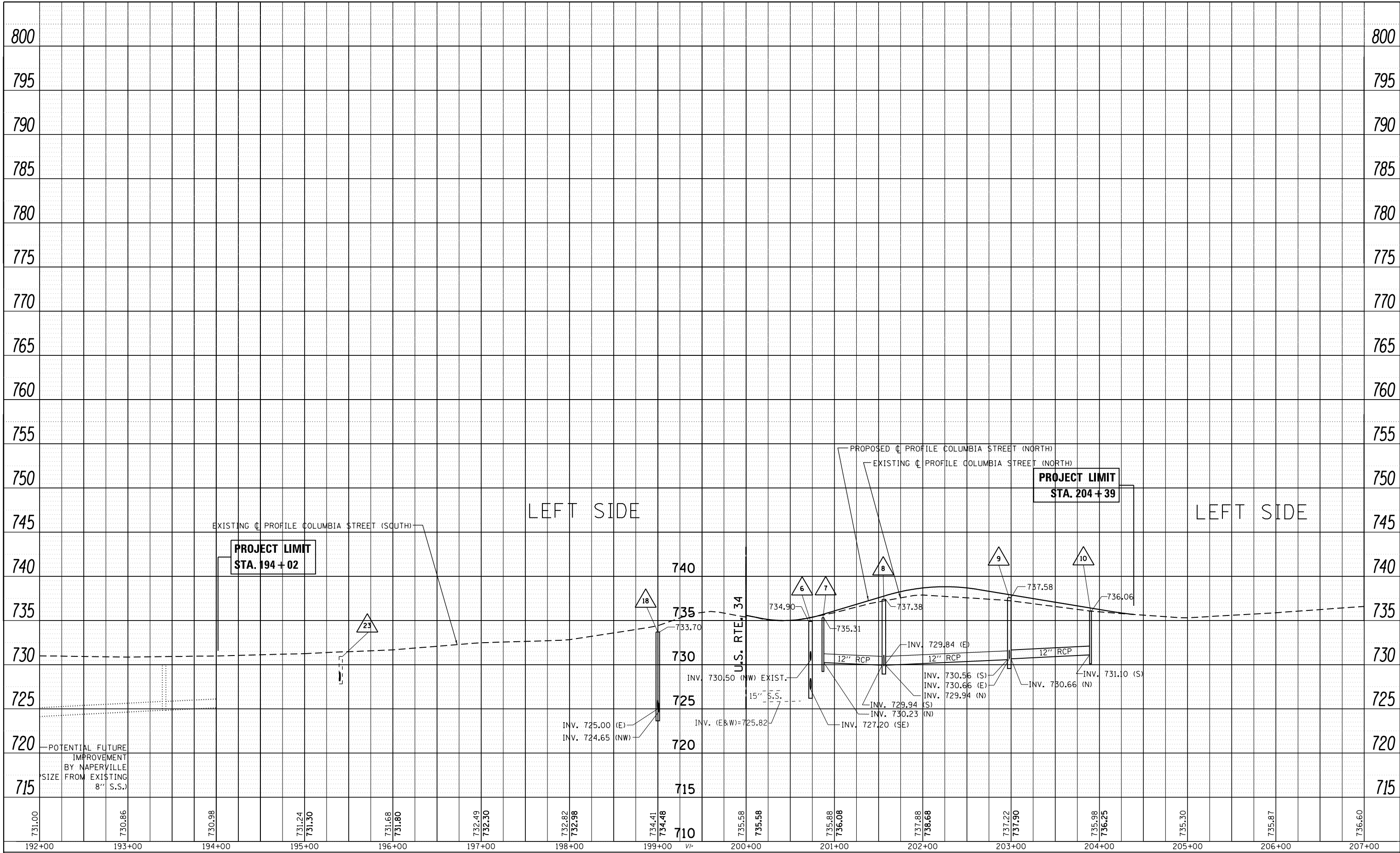
**DRAINAGE PROFILE (RIGHT SIDE)
U.S. ROUTE 34 (OGDEN AVE.)**

SCALE: 1"=50' SHEET OF SHEETS STA. 495+98 TO STA. 504+18

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	30
CONTRACT NO. 60Y99				
ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	



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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

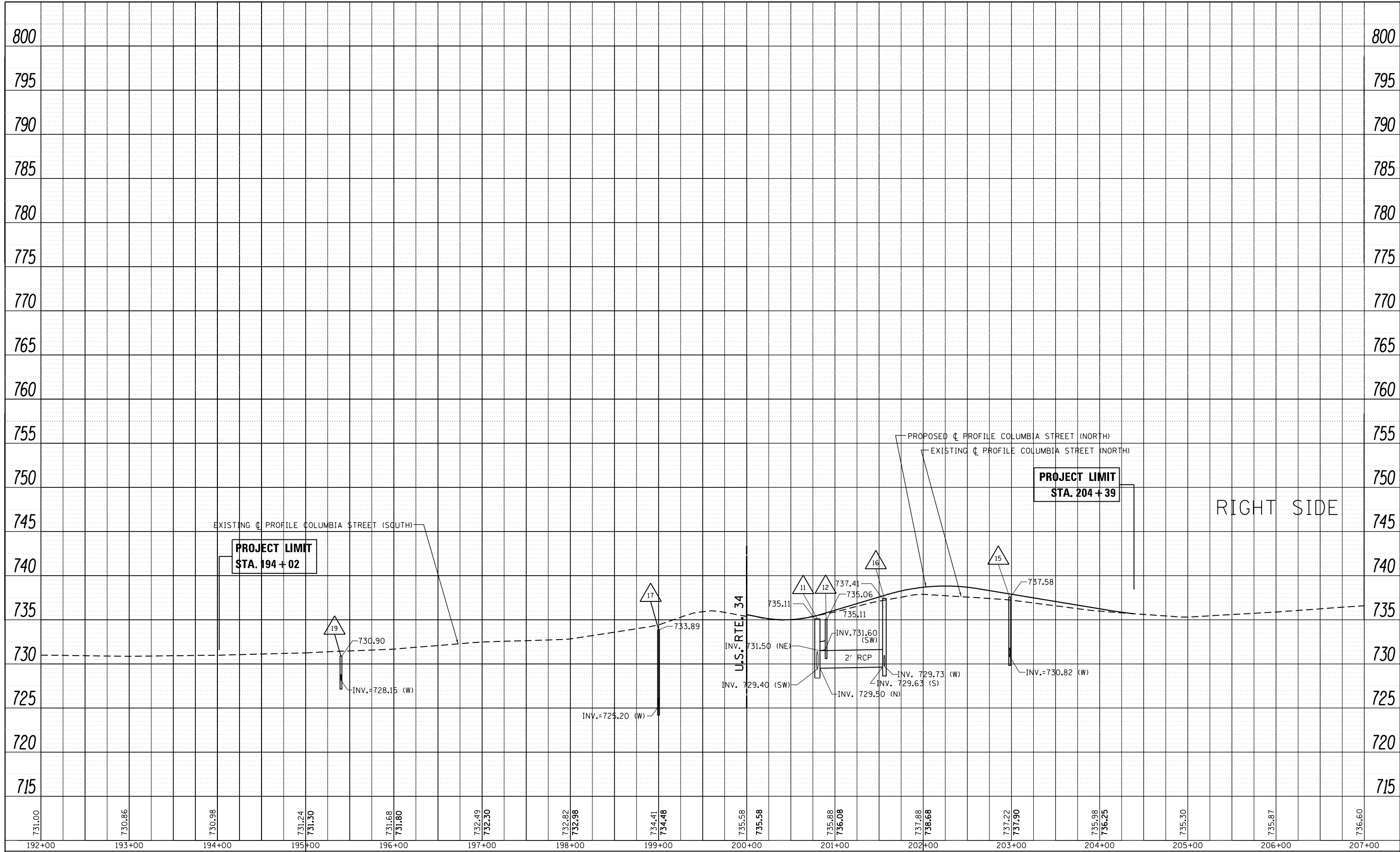
DRAINAGE PROFILE (LEFT SIDE)
COLUMBIA STREET

SCALE: 1"=50' SHEET OF SHEETS STA. 194+02 TO STA. 204+39

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	32
CONTRACT NO. 60Y99				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	CADD FILE NAME	



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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PROFILE (RIGHT SIDE)
COLUMBIA STREET**

SCALE: 1"=50' SHEET OF SHEETS STA. 194+02 TO STA. 204+39

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	33
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

PROPOSED DRAINAGE STRUCTURE TABLES

1 CB TYPE A, 4' DIA. W/TYPE 24 F&G
STA. 498+90, 41 RT
T.O.G. = 734.42
INV. = 723.80 (NW)
INV. = 724.50 (SE)

2 MH (EXISTING)
STA. 498+45, 35.5' LT.
T.O.G. = 732.35
INV. = 723.20 (SE)
INV. = 727.55 (N) EXIST.
INV. = 727.65 (E) EXIST.
INV. = 724.95 (NE) EXIST.
INV. = 721.55 (W) EXIST.

3 CB TYPE C, 2' DIA. W/TYPE 23 F&G
STA. 499+72, 32 LT
T.O.G. = 733.92
INV. = 727.10 (NW)

4 MH TYPE A, 4' DIA. W/TYPE 1 FRAME, CL
STA. 499+62, 39' LT.
T.O.G. = 734.78
INV. = 727.00 (SE)
INV. = 725.53 (E) EXIST.
INV. = 725.50 (W) EXIST.

5 MH TYPE A, 6' DIA. W/TYPE 1 FRAME, CL
STA. 500+38, 30' LT.
T.O.G. = 735.15
INV. = 727.00 (NW)
INV. = 729.00 (NE)
INV. = 725.82 (E) EXIST.
INV. = 725.82 (W) EXIST.

FLAT TOP 6 CB TYPE A, 4' DIA. W/ F&G TYPE 1 OL
STA. 200+73, 19' LT.
T.O.G. = 734.90
INV. = 727.20 (SE)
INV. = 730.50 (NW) EXIST.

7 CB TYPE C, 2' DIA. W/ F&G TYPE 1 OL
STA. 200+87, 19 LT
T.O.G. = 735.31
INV. = 730.23 (N)

8 CB TYPE A, 4' DIA. W/ F&G TYPE 1 OL
STA. 201+56, 19' LT.
T.O.G. = 737.38
INV. = 729.84 (E)
INV. = 729.94 (N)
INV. = 729.94 (S)

9 CB TYPE A, 4' DIA. W/ F&G TYPE 1 OL
STA. 202+98, 17' LT.
T.O.G. = 737.58
INV. = 730.66 (E)
INV. = 730.66 (N)
INV. = 730.56 (S)

10 CB TYPE C, 2' DIA. W/ F&G TYPE 1 OL
STA. 203+90, 17 LT
T.O.G. = 736.06
INV. = 731.10 (S)

FLAT TOP 11 MH TYPE A W/ RESTRICTOR, 6' DIA. W/TYPE 1 FRAME, CL
STA. 200+80, 24' RT.
T.O.G. = 735.11
INV. = 729.50 (N)
INV. = 731.50 (NE)
INV. = 729.40 (SW)
PLATE INV. = 729.43

12 CB TYPE C, 2' DIA. W/TYPE 23 F&G
STA. 200+90, 32 RT
T.O.G. = 735.06
INV. = 731.60 (SW)

13 CB TYPE C, 2' DIA. W/TYPE 23 F&G
STA. 501+25, 19' LT
T.O.G. = 736.89
INV. = 729.30 (NE)

14 CB TYPE A, 4' DIA. W/TYPE 23 F&G
STA. 501+38, 30' LT.
T.O.G. = 736.96
INV. = 729.10 (NW)
INV. = 729.20 (SW)

15 CB TYPE C, 2' DIA. W/ F&G TYPE 1 OL
STA. 202+98, 17 RT
T.O.G. = 737.58
INV. = 730.82 (W)

16 CB TYPE A, 4' DIA. W/ F&G TYPE 1 OL
STA. 201+56, 17.5' RT.
T.O.G. = 737.41
INV. = 729.73 (W)
INV. = 729.63 (S)

17 CB TYPE C, 2' DIA. W/ F&G TYPE 1 OL
STA. 199+00, 22' RT.
T.O.G. = 733.89
INV. = 725.20 (W)

18 CB TYPE A, 4' DIA. W/TYPE 24 F&G
STA. 199+00, 31.5' LT
T.O.G. = 733.70
INV. = 724.65 (NW)
INV. = 725.00 (E)

19 CB TYPE C, 2' DIA. W/ F&G TYPE 1 OL
STA. 195+40, 16' RT.
T.O.G. = 731.00
INV. = 728.15 (W)

20 CB TYPE C, 2' DIA. W/TYPE 24 F&G
STA. 496+98, 35' RT.
T.O.G. = 731.92
INV. = 724.73 (N)

21 MH TYPE A, 4' DIA. W/TYPE 1 FRAME, CL
STA. 496+98, 38' LT.
T.O.G. = 732.55
INV. = 724.00 (S)
INV. = 721.08 (E) EXIST.
INV. = 721.04 (W) EXIST.

22 MH (EXISTING)
STA. 501+38, 33' LT.
T.O.G. = 737.21
INV. = 729.00 (SE)
INV. = 726.20 (NE) EXIST.
INV. = 726.00 (SW) EXIST.

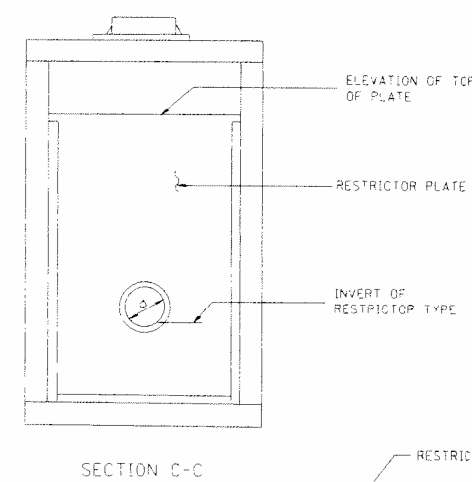
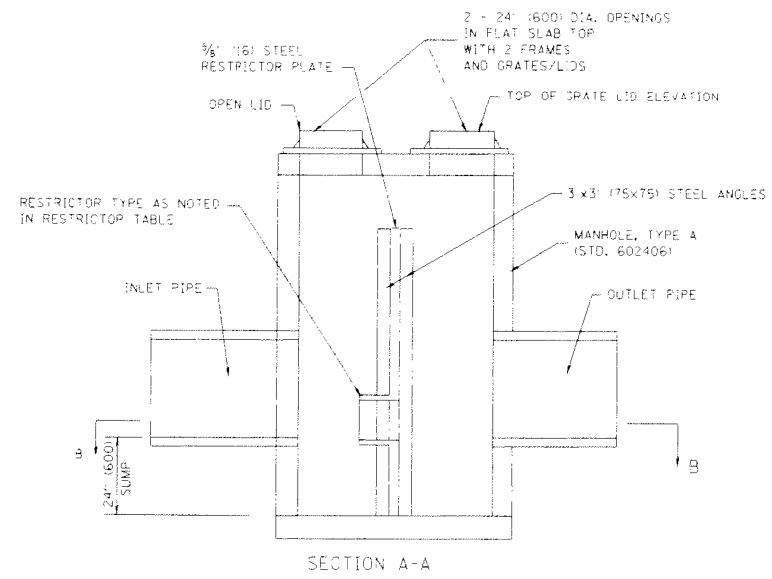
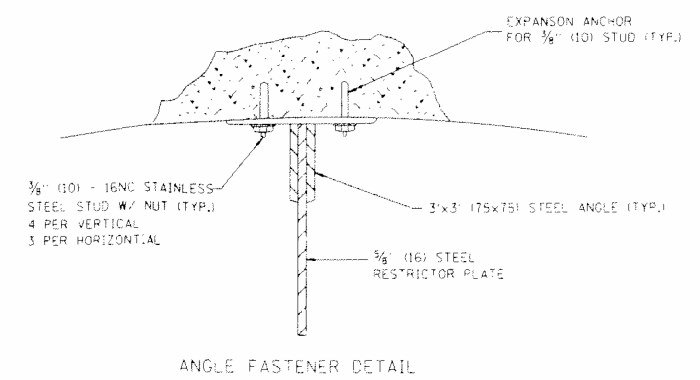
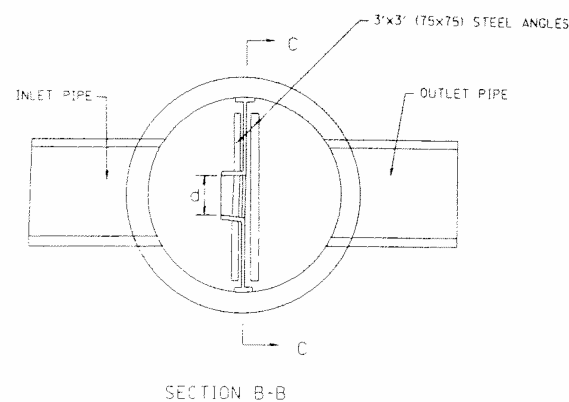
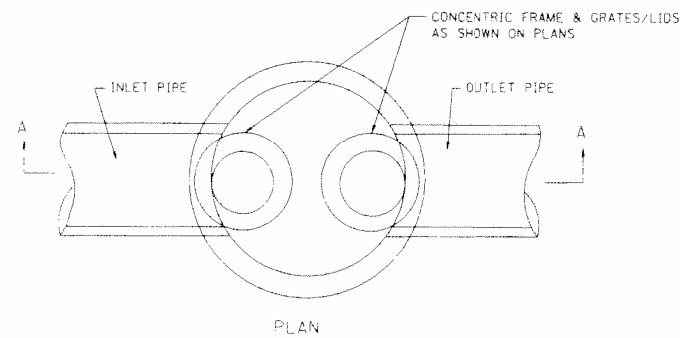
23 MH (EXISTING)
STA. 195+41, 25' LT.
T.O.G. = 730.92
INV. = 727.92 (E)
INV. = 727.82 (N) EXIST.
INV. = 727.82 (S) EXIST.

PROPOSED PIPE TABLES

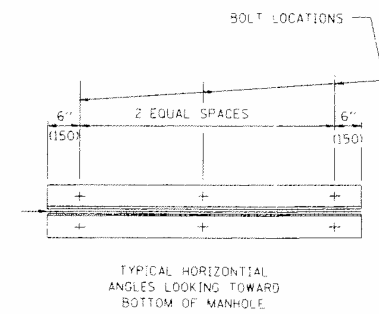
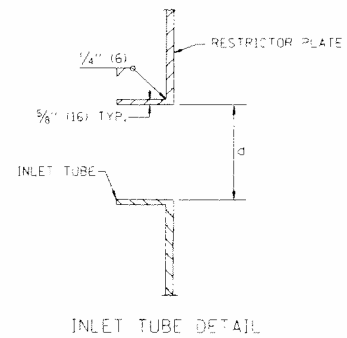
- 1 STORM SEWER, CLASS A, TYPE 2, 12", 84' TRENCH BACK FILL = 98 CUBIC YARDS
- 2 STORM SEWER, CLASS A, TYPE 2, 12", 12' TRENCH BACK FILL = 12 CUBIC YARDS
- 3 STORM SEWER, CLASS A, TYPE 2, 15", 42' TRENCH BACK FILL = 49 CUBIC YARDS
- 4 STORM SEWER, CLASS A, TYPE 2, 24", 36' TRENCH BACK FILL = 15 CUBIC YARDS
- 5 STORM SEWER, CLASS A, TYPE 2, 12", 64' TRENCH BACK FILL = 42 CUBIC YARDS
- 6 STORM SEWER, CLASS A, TYPE 2, 12", 138' TRENCH BACK FILL = 110 CUBIC YARDS
- 7 STORM SEWER, CLASS A, TYPE 2, 12", 94' TRENCH BACK FILL = 36 CUBIC YARDS
- 8 STORM SEWER, CLASS A, TYPE 2, 12", 10' TRENCH BACK FILL = 9 CUBIC YARDS
- 9 STORM SEWER, CLASS A, TYPE 2, 12", 5' TRENCH BACK FILL = 3 CUBIC YARDS
- 10 STORM SEWER, CLASS A, TYPE 2, 12", 10' TRENCH BACK FILL = 3 CUBIC YARDS
- 11 STORM SEWER, CLASS A, TYPE 2, 12", 54' TRENCH BACK FILL = 55 CUBIC YARDS
- 12 STORM SEWER, CLASS A, TYPE 2, 12", 58' TRENCH BACK FILL = 32 CUBIC YARDS
- 13 STORM SEWER, CLASS A, TYPE 2, 12", 74' TRENCH BACK FILL = 63 CUBIC YARDS
- 14 STORM SEWER, CLASS A, TYPE 2, 12", 40' TRENCH BACK FILL = 8 CUBIC YARDS
- 15 STORM SEWER, CLASS A, TYPE 2, 12", 35' TRENCH BACK FILL = 26 CUBIC YARDS
- 16 STORM SEWER, CLASS A, TYPE 2, 15", 37' TRENCH BACK FILL = 33 CUBIC YARDS
- 17 STORM SEWER, CLASS A, TYPE 2, 24", 78' TRENCH BACK FILL = 58 CUBIC YARDS

NOTE:

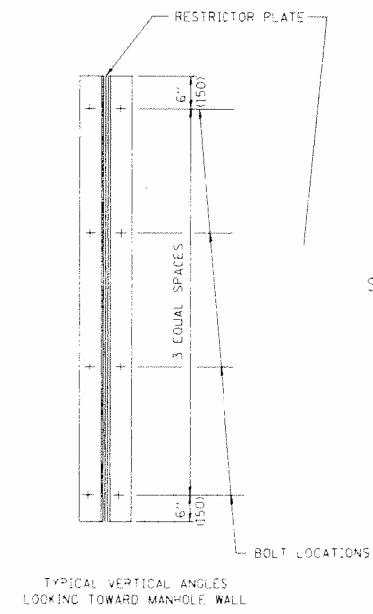
STORM SEWER OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS:
A) TO THE PAVEMENT EDGE, FOR STRUCTURES FALLING IN THE CURB LINE
B) TO THE CENTER OF THE STRUCTURE, FOR ALL OTHER STRUCTURE LOCATIONS



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m) DIAMETER, TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE" EACH.



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.



RESTRICTOR TYPE	
2	
SHARP EDGED	
C=61	

NUMBER	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW	INFLOW (CFS)	OUTFLOW (CFS)
1	6	TYPE 1	SHARP EDGE	9.0	729.43	731.98	3.62	3.19

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

FILE NAME: N:\PROJECTS\2014\60Y79\60Y79-103-1\60Y79-103-1-03-Restrictor.Mxd

Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel: 773.775.4009 Fax: 773.775.4014

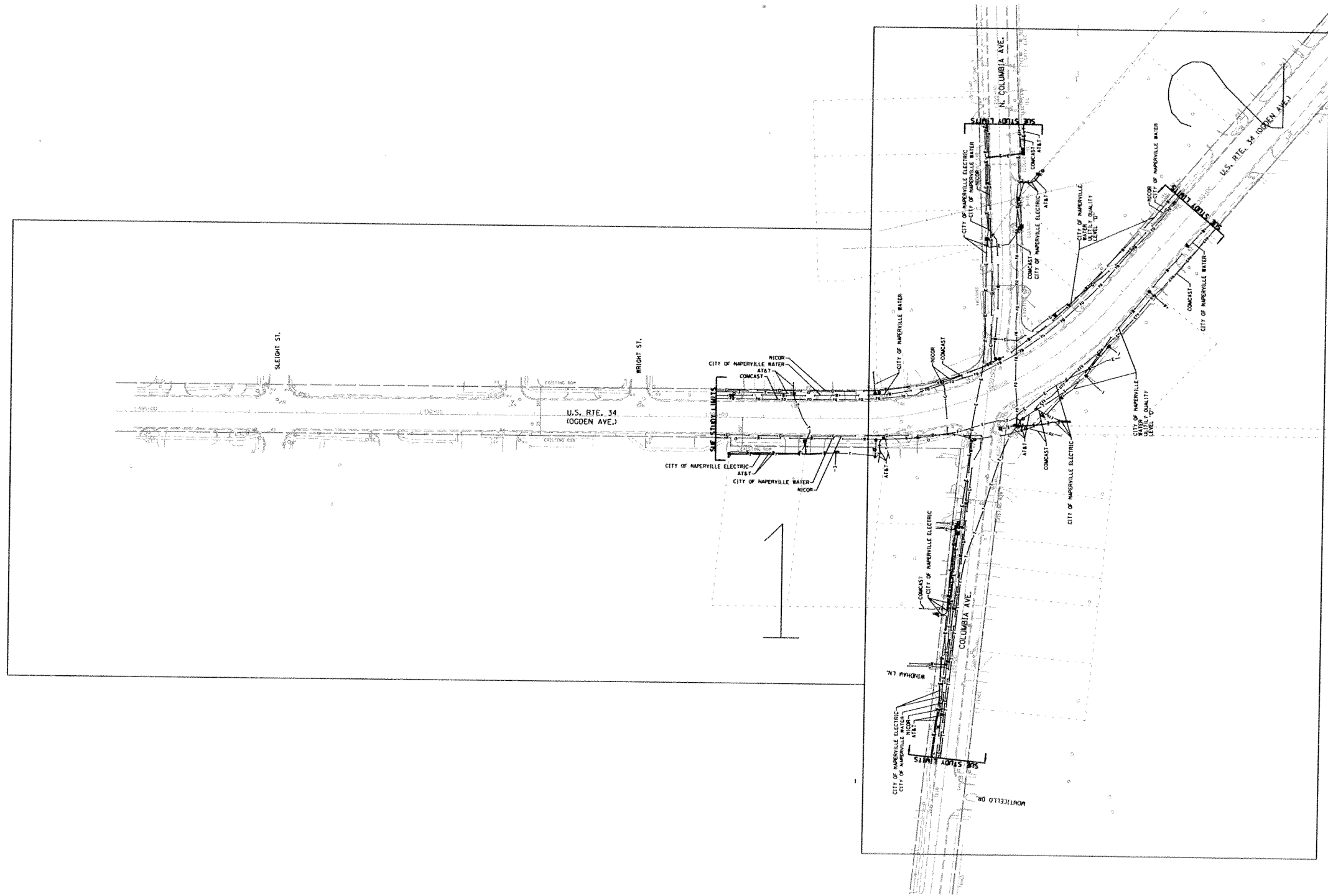
USER NAME: jparkins	DESIGNED: -	REVISED: -
PLOT SCALE: -	DRAWN: JLP	REVISED: -
PLOT DATE: 7/24/2014	CHECKED: JJP	REVISED: -
	DATE: FEB 2014	REVISED: -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MANHOLE WITH
 RESTRICTOR PLATE 2-03.2a**

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

F.A.P. RTE. 311	SECTION 10Y-TS-1	COUNTY DUPAGE	TOTAL SHEETS 100	SHEET NO. 35
CONTRACT NO. 60Y79				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



Michael G. Randolph
signature
1/14/2015
date
license expires 11-30-2015

—A—A—A	AERIAL
—U—U—U	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	- TELEPHONE
CITY OF NAPERVILLE	- ELECTRIC
CITY OF NAPERVILLE	- WATER
COMCAST	- CABLE TV
COMCAST	- FIBER OPTIC
NICOR	- GAS

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 12/31/14. Changes to utilities after 12/31/14 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.



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

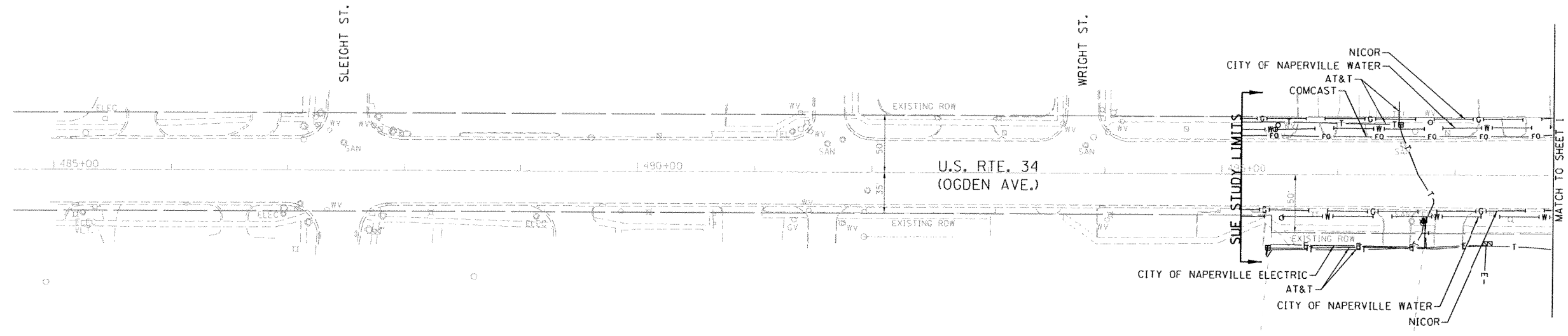
Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	1/9/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 34 (Ogden Ave.) at Columbia St.
Naperville, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPage	100	36
Contract No. 60Y79				
FED. ROAD DIST. NO. ILLINOIS 100Y Project No.				



Michael G. Randolph
signature
1/14/2015
date
license expires 11-30-2015

— 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 - TELEPHONE	
CITY OF NAPERVILLE - ELECTRIC	
CITY OF NAPERVILLE - WATER	
COMCAST - CABLE TV	
COMCAST - FIBER OPTIC	
NICOR - GAS	

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UNLESS NOTED OTHERWISE.



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

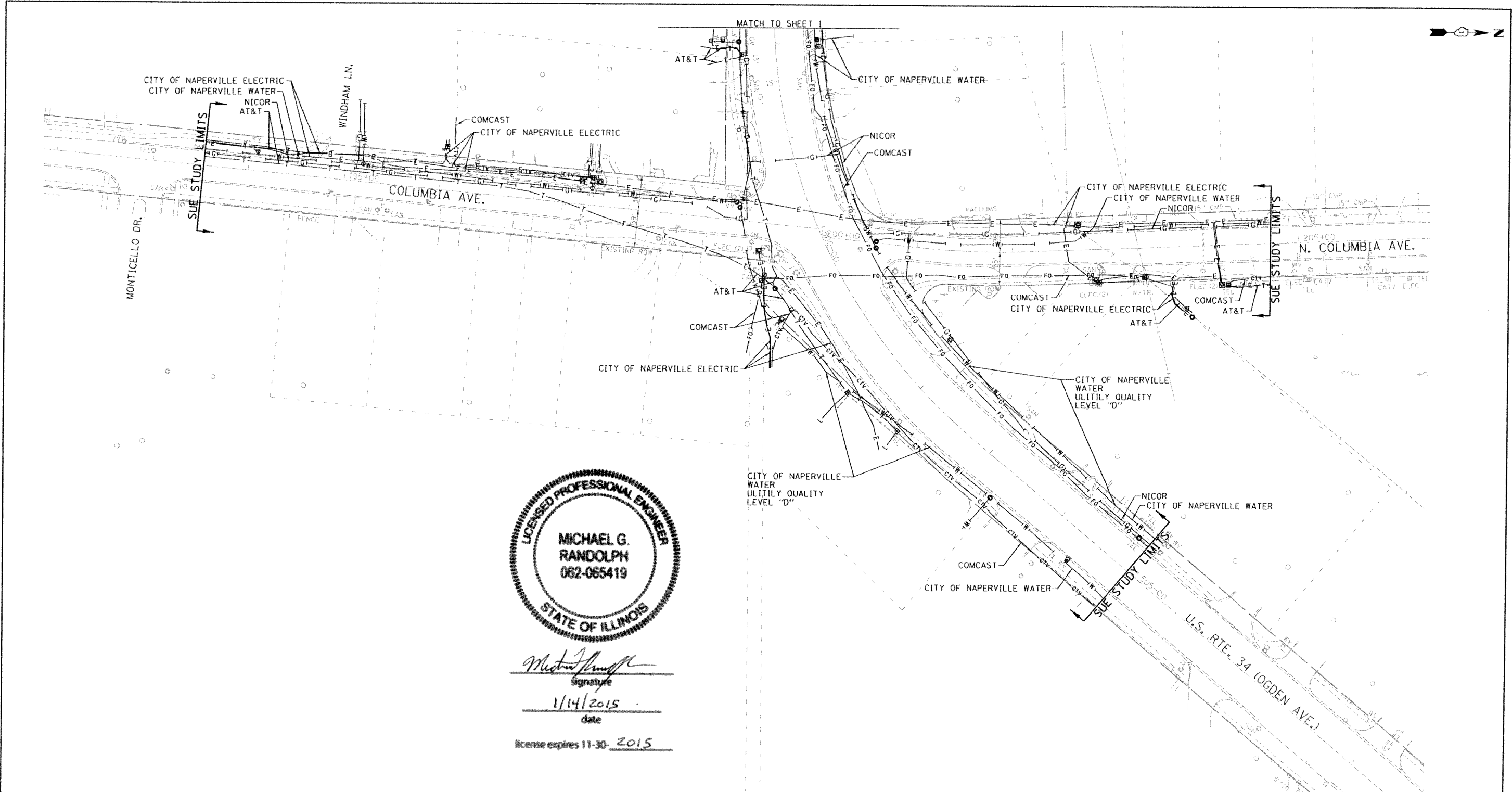
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	1/9/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 34 (Ogden Ave.) at Columbia St.
Naperville, Illinois

F.A.P. RTE. 311	SECTION 10Y-TS-1	COUNTY DuPage	TOTAL SHEETS 100	SHEET NO. 37
TBE Job No. IL09510636 SUE Plan Page: 1 of 2 Contract No. 60Y79				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				



Michael G. Randolph
 Signature
 1/14/2015
 date
 license expires 11-30-2015

— 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 - TELEPHONE	
CITY OF NAPERVILLE - ELECTRIC	
CITY OF NAPERVILLE - WATER	
COMCAST - CABLE TV	
COMCAST - FIBER OPTIC	
NICOR - GAS	

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

Utility Quality Level "A" : Visually Verified Test Hole
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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 1/9/15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 34 (Ogden Ave.) at Columbia St.
 Naperville, Illinois

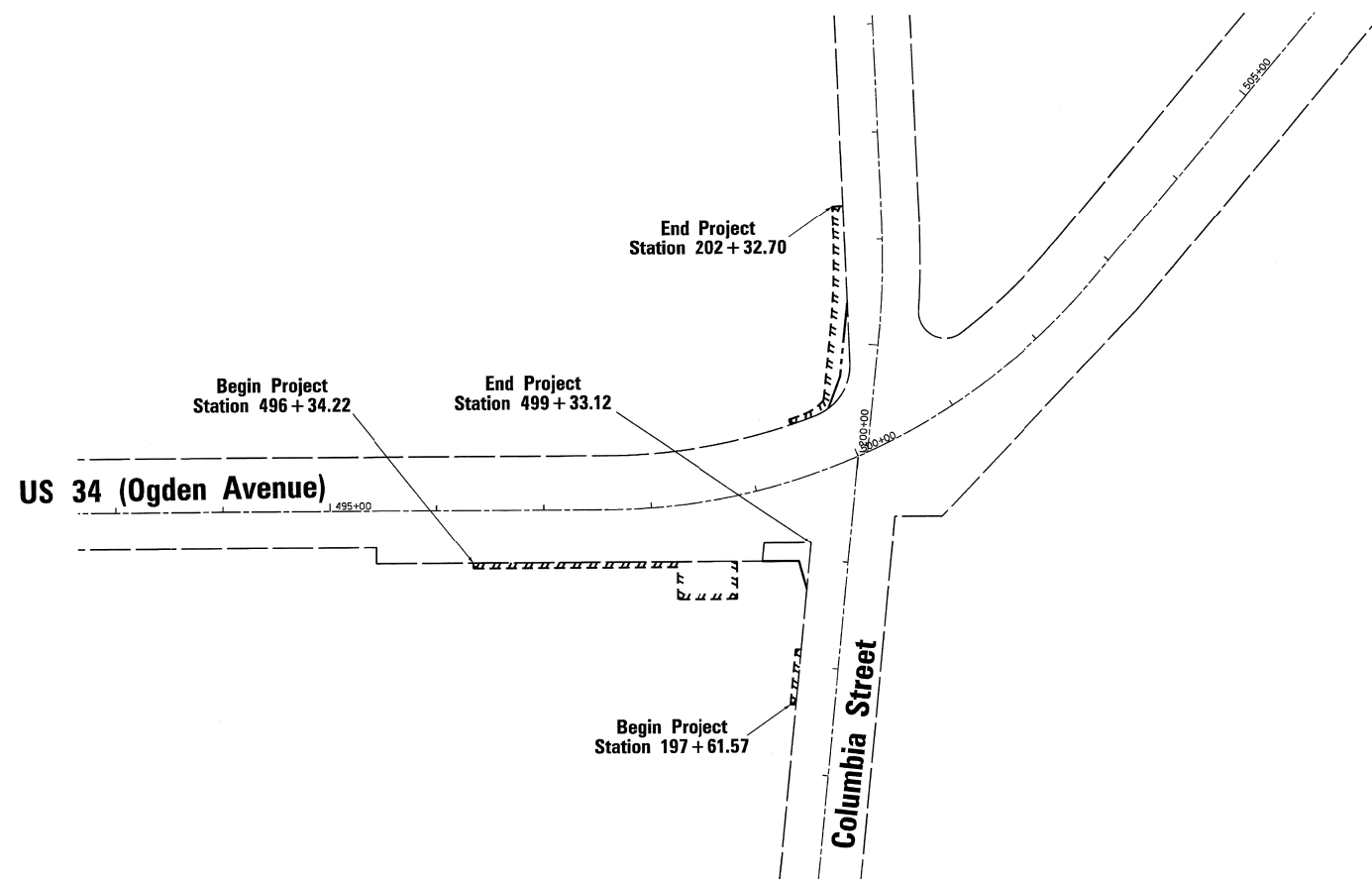
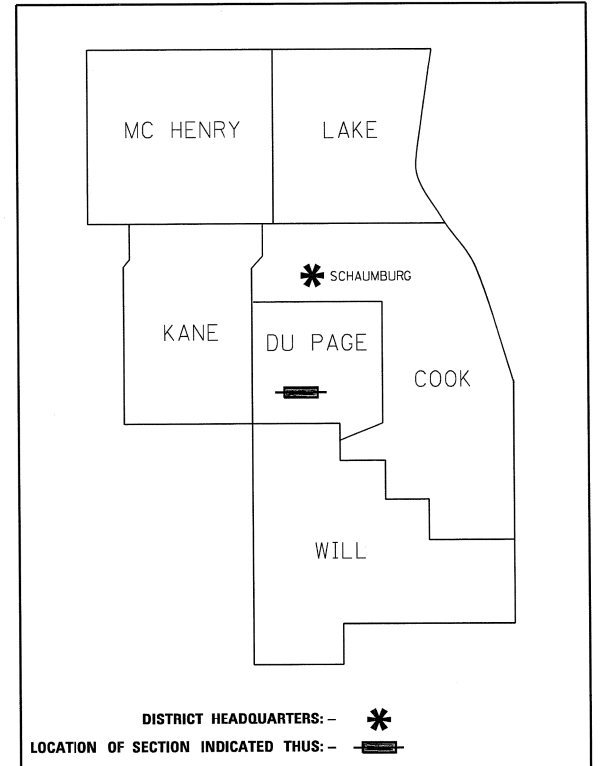
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TBE Job No. IL09510636 SUE Plan Pages: 2 of 2 Contract No. 60Y79				
FED. ROAD DIST. NO. [ILLINOIS] 100T Project No.				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: US 34 (Ogden Avenue)
SECTION:
COUNTY: DUPAGE
LIMITS: at Columbia Street
JOB NO.: R-91-022-14

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1L80001 1L80001TE	Leona H. Durso	2	
1L80002 1L80002TE-A 1L80002TE-B	Normal1701 LLC, an Illinois Limited Liability Company	2,3	
1L80003TE	KG Properties, Inc.	2,3	
1L80004TE	KG Properties West, Inc., an Illinois Corporation	2,3	



LOCATION MAP

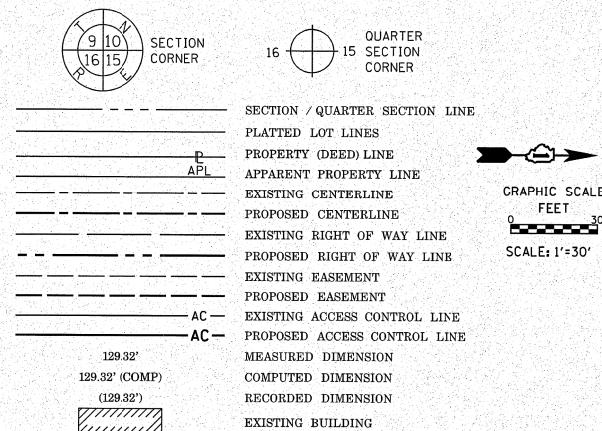
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OCT 10 2014
PLATS & LEGALS

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS US RTE 34 AT COLUMBIA AVENUE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\1L084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI14212\Drawings\Design\PI14212-Design.dgn		CHECKED -	REVISED -		311	10Y-TS-1	DUPAGE	100	39			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 60Y79				
	PLOT DATE = 5/16/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PART OF SEC. 7, IN TWP. 38 N., R. 10 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.

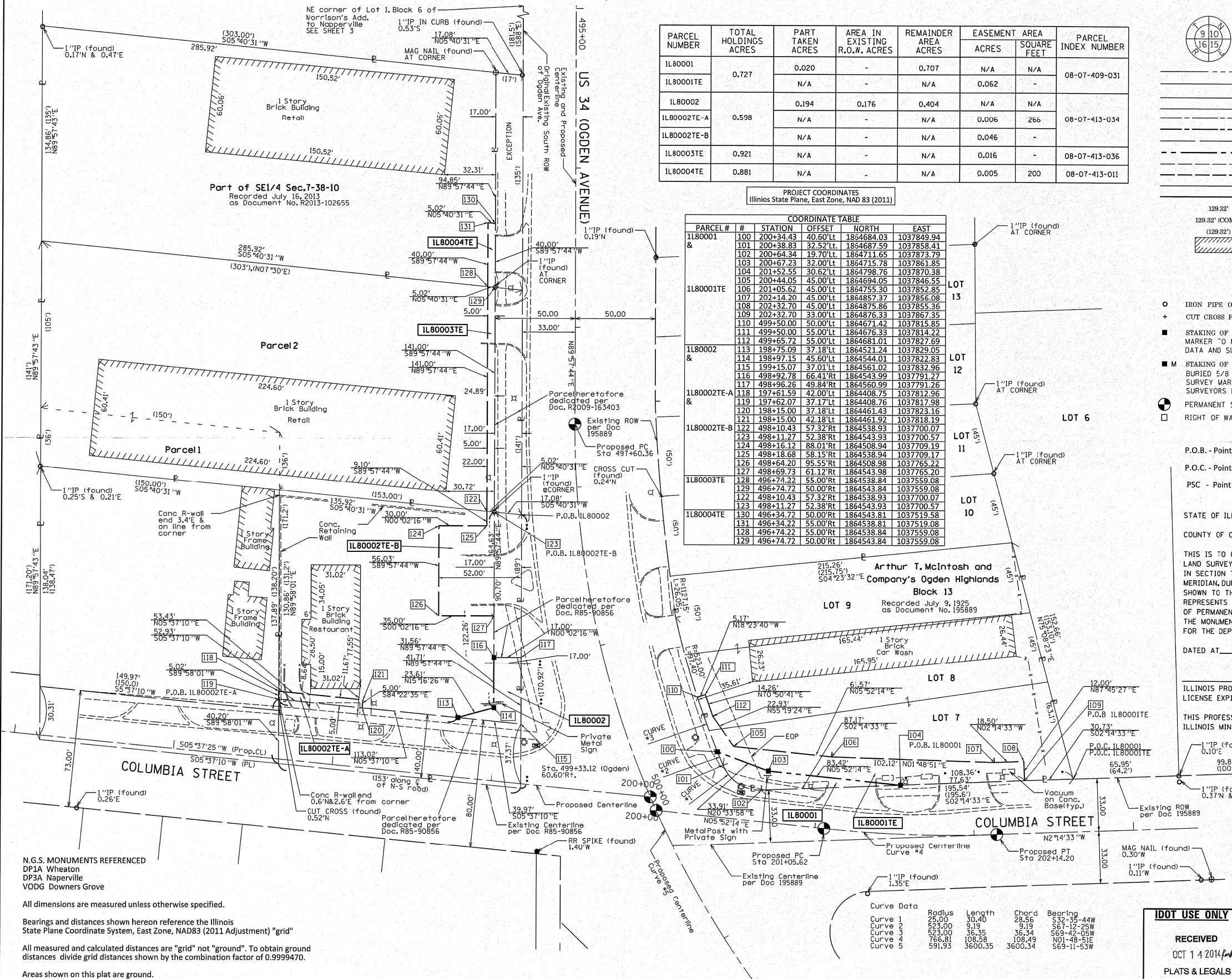
LEGEND



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1L80001	0.727	0.020	-	0.707	N/A	N/A	08-07-409-031
1L80001TE		N/A	-	N/A	0.062	-	
1L80002	0.598	0.194	0.176	0.404	N/A	N/A	08-07-413-034
1L80002TE-A		N/A	-	N/A	0.006	266	
1L80002TE-B	N/A	-	-	N/A	0.046	-	
1L80003TE	0.921	N/A	-	N/A	0.016	-	08-07-413-036
1L80004TE	0.881	N/A	-	N/A	0.005	200	08-07-413-011

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

PARCEL #	#	STATION	OFFSET	NORTH	EAST
1L80001 &	100	200+34.43	40.60'Lt	1854684.03	1037849.94
	101	200+38.83	32.52'Lt	1854687.59	1037858.41
	102	200+64.34	19.70'Lt	1854711.65	1037873.79
	103	200+67.23	32.00'Lt	1854715.78	1037861.85
	104	201+52.55	30.62'Lt	1854798.76	1037870.38
	105	200+44.05	45.00'Lt	1854694.05	1037846.55
	106	201+05.62	45.00'Lt	1854755.30	1037852.85
	107	202+14.20	45.00'Lt	1854857.37	1037856.08
	108	202+32.70	45.00'Lt	1854875.86	1037855.36
	109	202+32.70	33.00'Lt	1854876.33	1037867.35
1L80001TE	110	499+50.00	50.00'Lt	1854671.42	1037815.85
	111	499+50.00	55.00'Lt	1854676.33	1037814.22
	112	499+65.72	55.00'Lt	1854681.01	1037827.69
	113	198+75.09	37.18'Lt	1854521.24	1037829.05
	114	198+97.15	45.60'Lt	1854544.01	1037822.83
	115	199+15.07	37.01'Lt	1854561.02	1037832.96
	116	498+92.78	66.41'Lt	1854543.99	1037791.27
	117	498+96.26	49.84'Lt	1854560.99	1037791.26
	118	197+61.59	42.00'Lt	1854408.75	1037812.96
	119	197+62.07	37.17'Lt	1854408.76	1037817.98
1L80002 &	120	198+15.00	37.18'Lt	1854461.43	1037823.16
	121	198+15.00	42.18'Lt	1854461.92	1037818.19
	122	498+10.43	57.32'Lt	1854538.93	1037700.07
	123	498+11.27	52.38'Lt	1854543.93	1037700.57
	124	498+16.12	88.01'Lt	1854508.94	1037709.19
	125	498+18.68	58.15'Lt	1854538.94	1037709.17
	126	498+64.20	95.55'Lt	1854508.98	1037765.22
	127	498+69.73	61.12'Lt	1854543.98	1037765.20
	128	496+74.22	55.00'Lt	1854538.84	1037559.08
	129	496+74.22	50.00'Lt	1854543.84	1037559.08
1L80003TE	122	498+10.43	57.32'Lt	1854538.93	1037700.07
	123	498+11.27	52.38'Lt	1854543.93	1037700.57
	129	496+74.22	50.00'Lt	1854543.84	1037559.08
1L80004TE	130	496+34.72	50.00'Lt	1854543.81	1037519.58
	131	496+34.22	55.00'Lt	1854538.81	1037519.08
	128	496+74.22	55.00'Lt	1854538.84	1037559.08



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT) GRID.

- 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 CAP 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

P.O.B. - Point of Beginning
P.O.C. - Point of Commencement
P.S.C. - Point of Spiral Curve

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, ROARK ROGERS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 7, TOWNSHIP 38 NORTH, RANGE 10 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, IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3765
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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



APEX Consulting Engineers, LLC
111 E. Wacker Drive, Suite 520
Chicago, Illinois 60601
(312) 977-0660

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US 34 (Ogden Ave.)

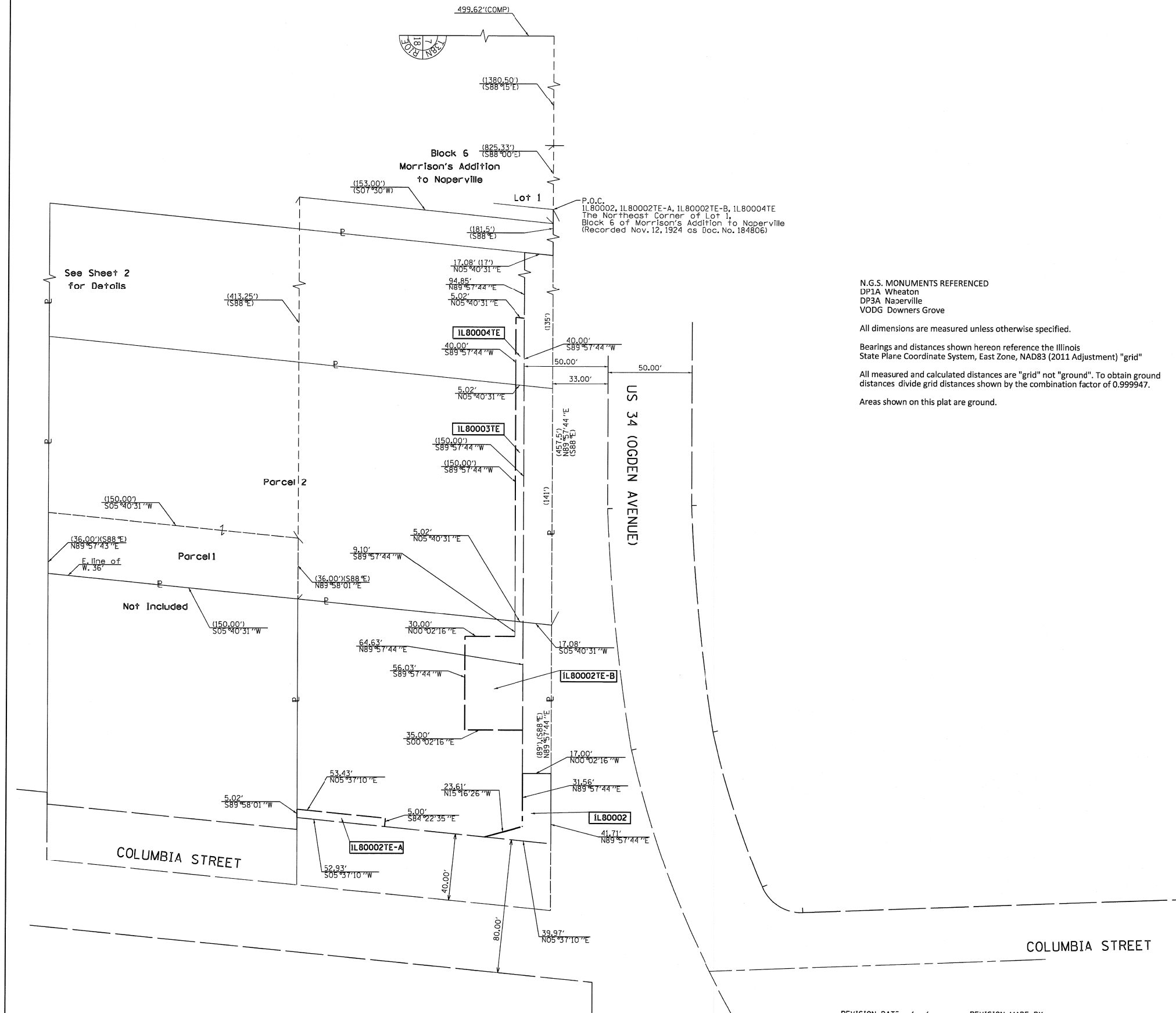
LIMITS: @ Columbia St. COUNTY: DuPage
SECTION: STA. 197+61.57 TO STA. 202+32.70
JOB NO.: R91-022-14

RECEIVED
OCT 14 2014
PLATS & LEGALS

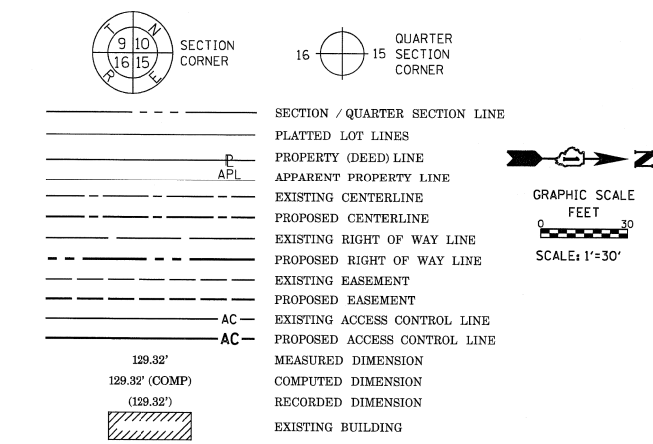
SCALE: 1"=30'
SHEET 2 OF 3 SHEETS

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

PART OF SEC. 7, IN TWP. 38 N., R. 10 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



LEGEND



N.G.S. MONUMENTS REFERENCED
 DP1A Wheaton
 DP3A Naperville
 VODG Downers Grove

All dimensions are measured unless otherwise specified.

Bearings and distances shown hereon reference the Illinois State Plane Coordinate System, East Zone, NAD83 (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 0.999947.

Areas shown on this plat are ground.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT) "GRID".

- 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 CAP 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

P.O.B. - Point of Beginning
 P.O.C. - Point of Commencement

STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, ROARK ROGERS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 7, TOWNSHIP 38 NORTH, RANGE 10 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 _____, ILLINOIS THIS ____ DAY OF _____ 20 ____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3765
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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



APEX Consulting Engineers, LLC
 111 E. Wacker Drive, Suite 520
 Chicago, Illinois 60601
 (312) 977-0660

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US 34 (Ogden Ave.)

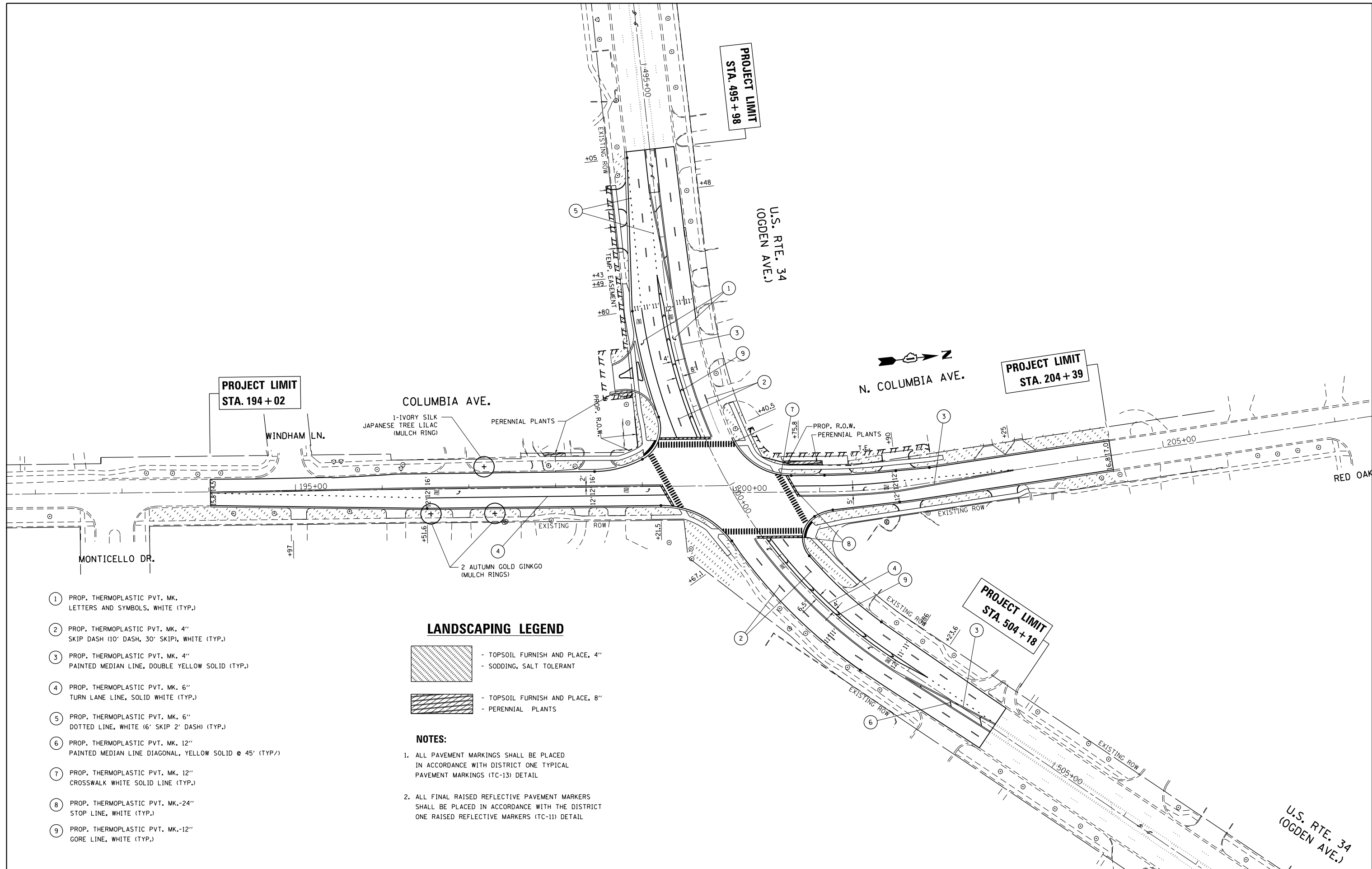
LIMITS: ▣ Columbia St. COUNTY: DuPage
 SECTION: JOB NO.: R91-022-14
 STA. 496+34.22 TO STA. 499+33.12
 STA. 197+61.57 TO STA. 202+32.70
 SCALE: 1"=30' SHEET 3 OF 3 SHEETS

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

IDOT USE ONLY
 RECEIVED
 OCT 10 2014
 PLATS & LEGALS

REVISION DATE: / / REVISION MADE BY:

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS US RTE 34 AT COLUMBIA AVENUE				F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBID\INTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI14212\Design\PI14212-Design.dgn		CHECKED -	REVISED -		311	10Y-TS-1	DUPAGE	100	41				
Default		DATE -	REVISED -		CONTRACT NO. 60Y79				ILLINOIS FED. AID PROJECT				
		PLOT SCALE = 100.0000' / in.			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



- 1 PROP. THERMOPLASTIC PVT. MK. LETTERS AND SYMBOLS, WHITE (TYP.)
- 2 PROP. THERMOPLASTIC PVT. MK. 4" SKIP DASH (10' DASH, 30' SKIP), WHITE (TYP.)
- 3 PROP. THERMOPLASTIC PVT. MK. 4" PAINTED MEDIAN LINE, DOUBLE YELLOW SOLID (TYP.)
- 4 PROP. THERMOPLASTIC PVT. MK. 6" TURN LANE LINE, SOLID WHITE (TYP.)
- 5 PROP. THERMOPLASTIC PVT. MK. 6" DOTTED LINE, WHITE (6' SKIP 2' DASH) (TYP.)
- 6 PROP. THERMOPLASTIC PVT. MK. 12" PAINTED MEDIAN LINE DIAGONAL, YELLOW SOLID @ 45' (TYP.)
- 7 PROP. THERMOPLASTIC PVT. MK. 12" CROSSWALK WHITE SOLID LINE (TYP.)
- 8 PROP. THERMOPLASTIC PVT. MK. 24" STOP LINE, WHITE (TYP.)
- 9 PROP. THERMOPLASTIC PVT. MK. 12" GORE LINE, WHITE (TYP.)

LANDSCAPING LEGEND

- TOPSOIL FURNISH AND PLACE, 4" - SODDING, SALT TOLERANT
- TOPSOIL FURNISH AND PLACE, 8" - PERENNIAL PLANTS

- NOTES:**
1. ALL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13) DETAIL
 2. ALL FINAL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE RAISED REFLECTIVE MARKERS (TC-11) DETAIL

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI14212\Drawings\CADsheets\PI14212-sht-pmk.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 5/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKING AND LANDSCAPING PLAN
U.S. ROUTE 34 (OGDEN AVE.) AT COLUMBIA STREET**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	42
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

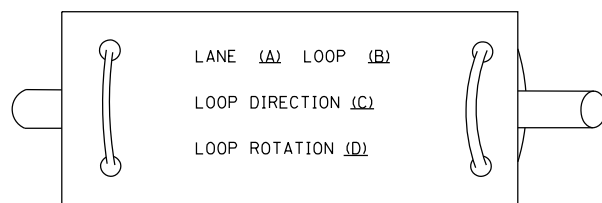
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

TS SHT NO.1

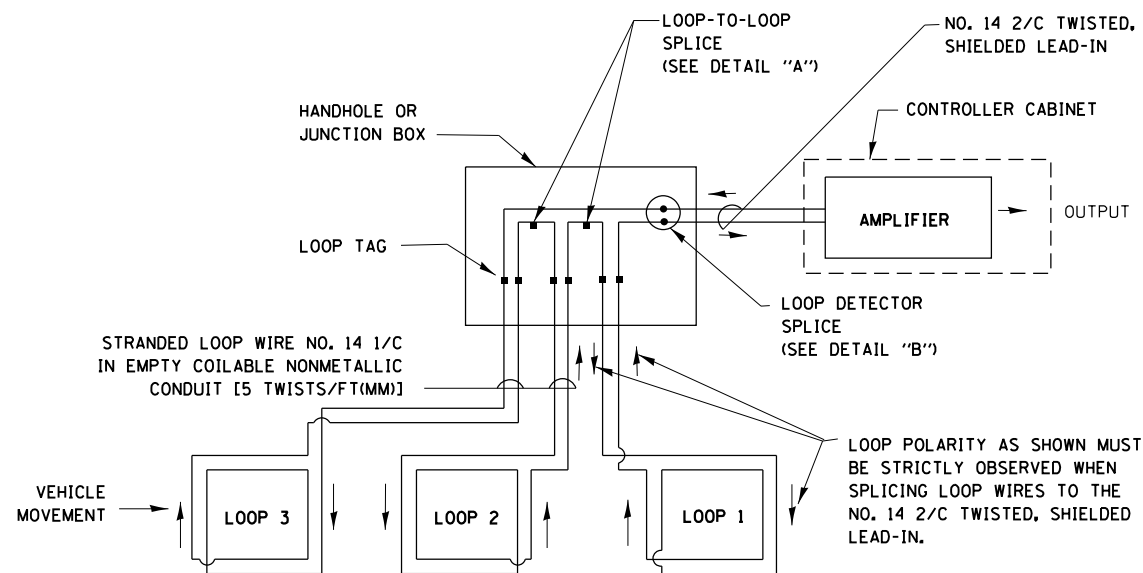
LOOP DETECTOR NOTES

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

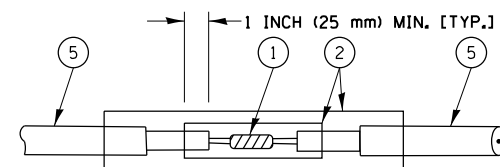


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

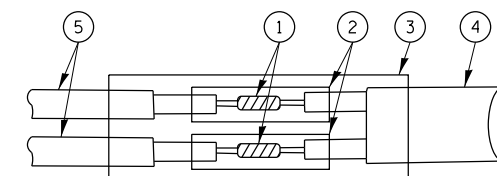


DETECTOR LOOP WIRING SCHEMATIC

- 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.

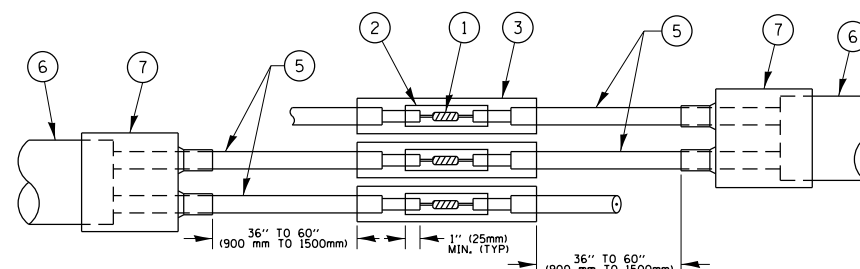


**DETAIL "A"
LOOP-TO-LOOP SPLICE**

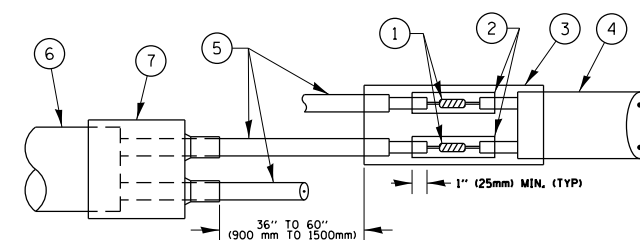


**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

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 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -
S:\WP\Design\Iovan\InHouse_Design\60Y79	JSRte34@Columbia\DCN\Revised\Sheets\60Y79-S	DRAWN -	REVISED -
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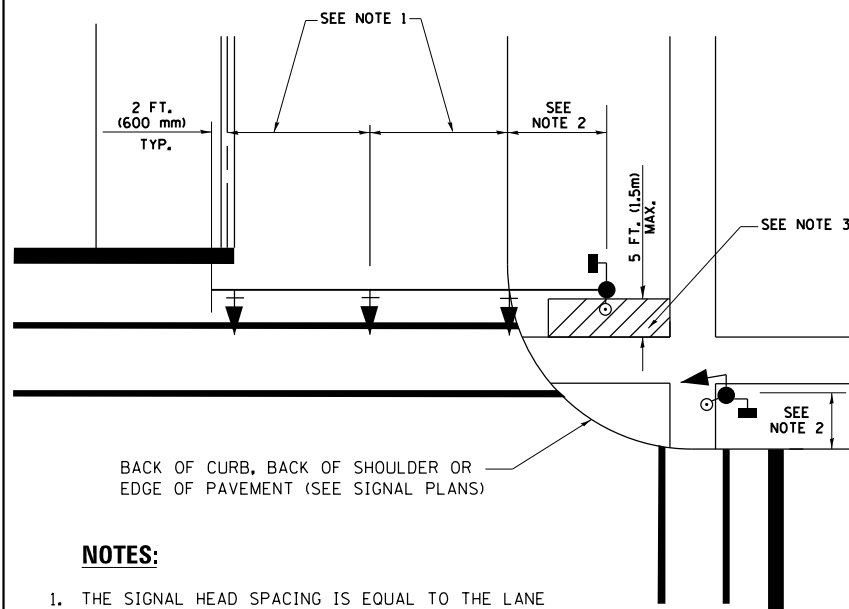
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	44
TS-05		CONTRACT NO. 60Y79		
ILLINOIS FED. AID PROJECT				

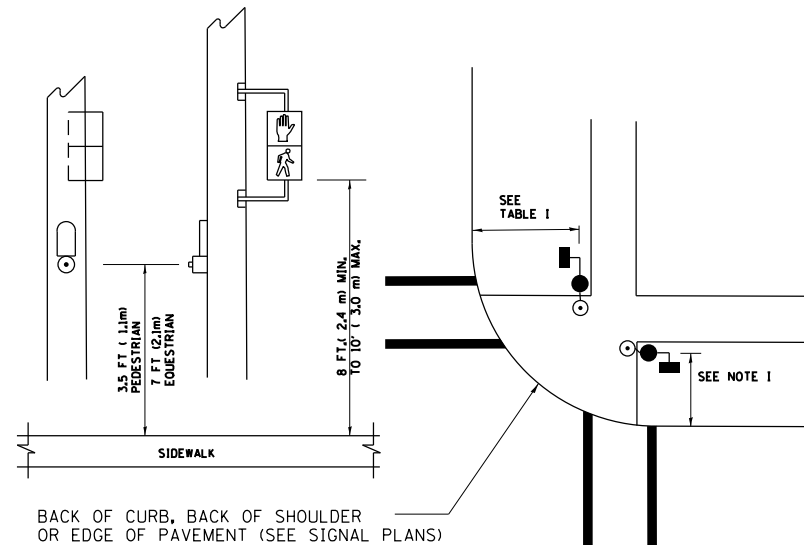
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

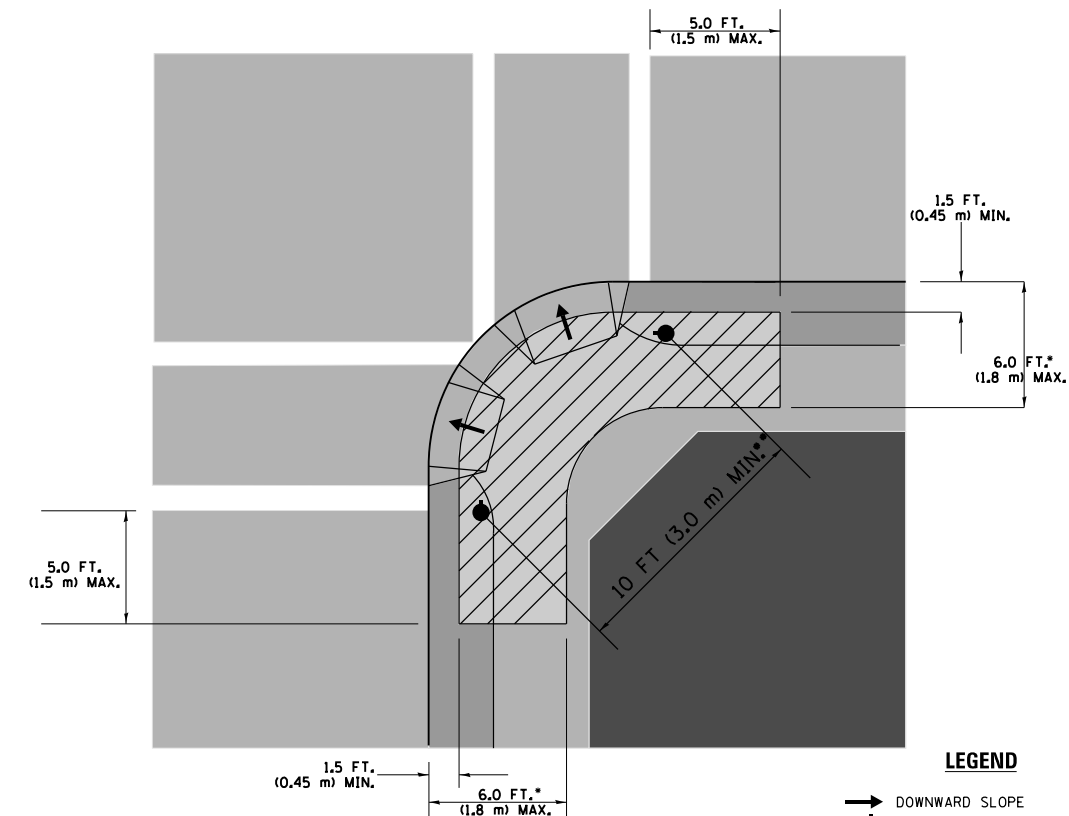
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

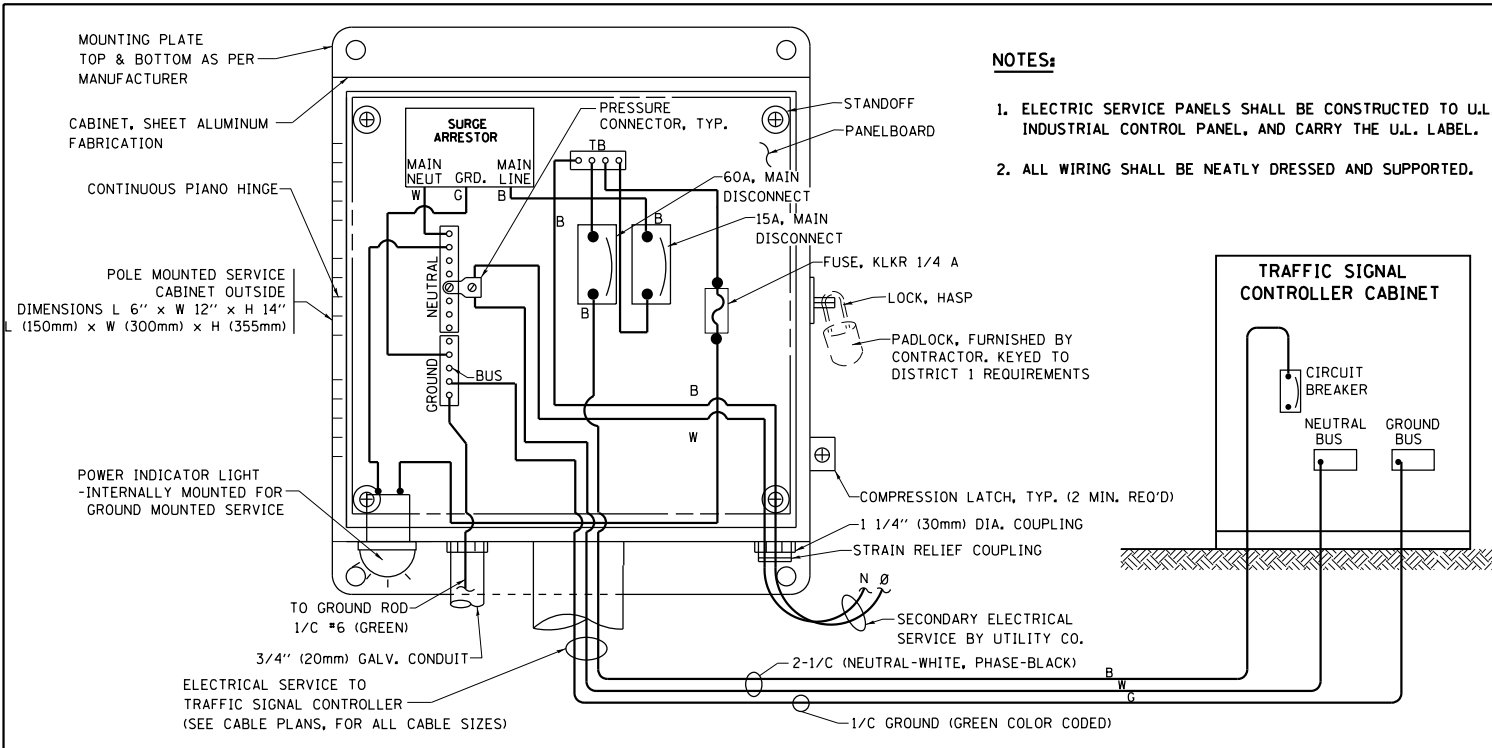
TRAFFIC SIGNAL EQUIPMENT OFFSET

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

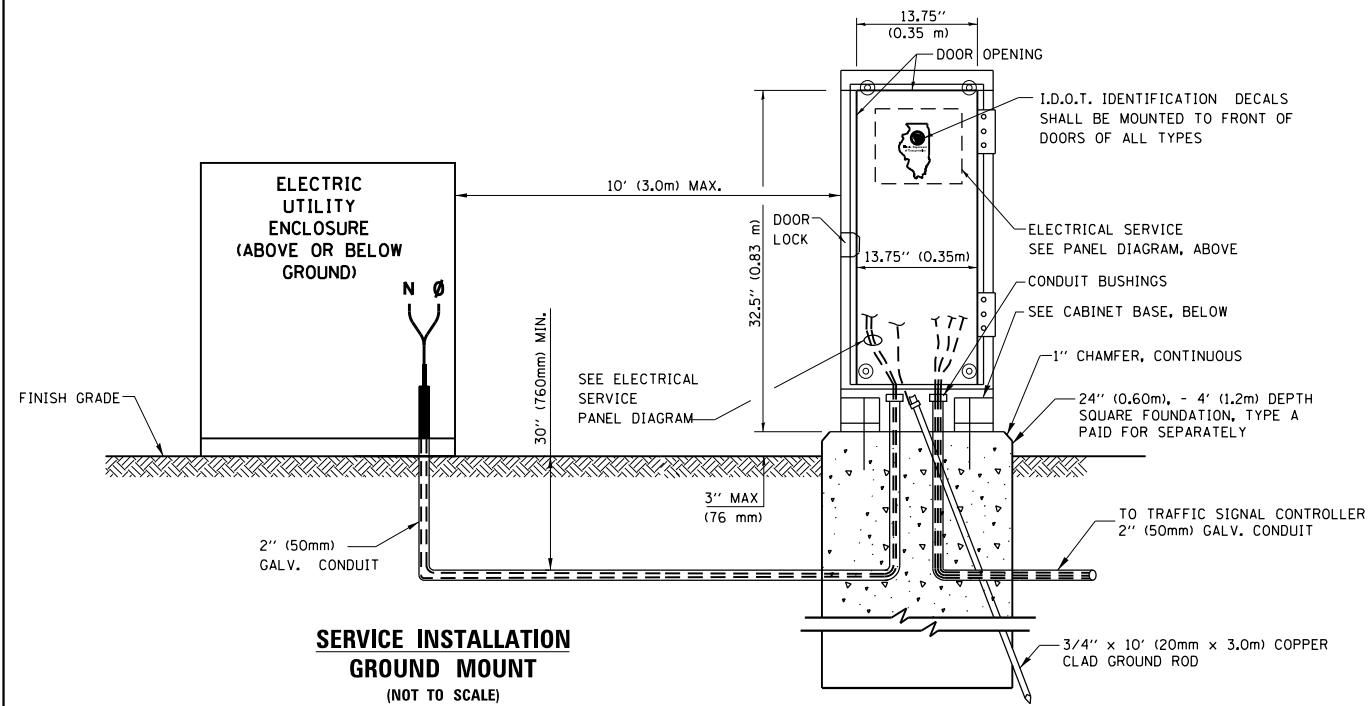
NOTES:

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

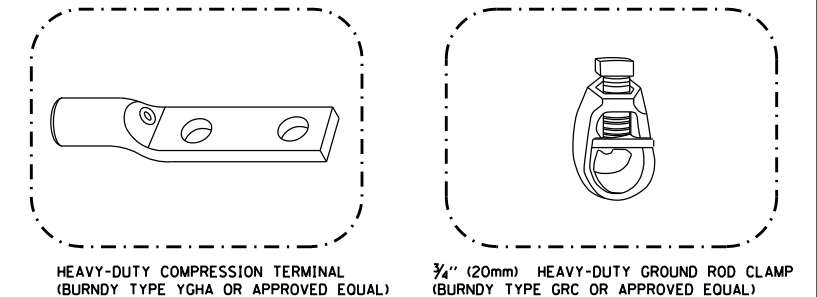
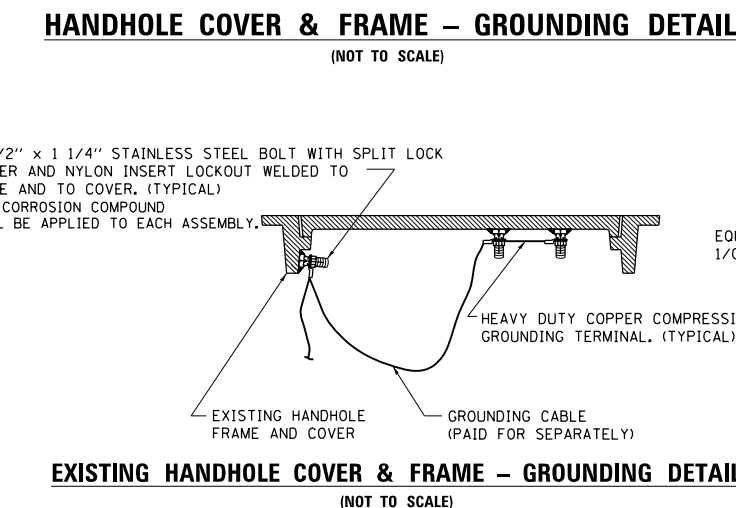
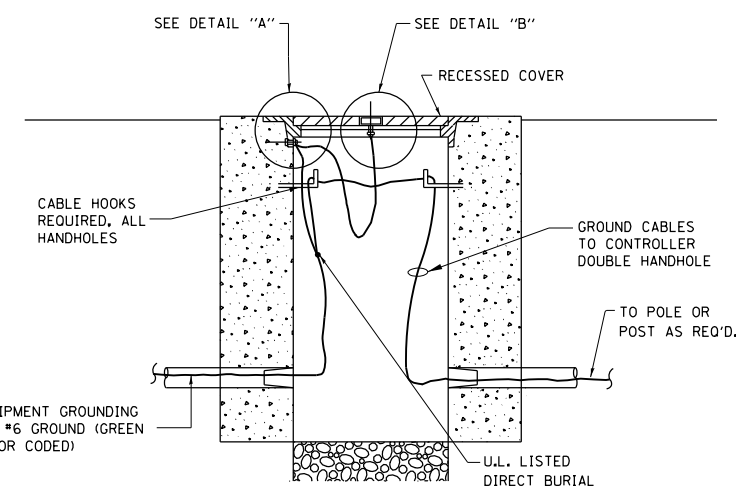
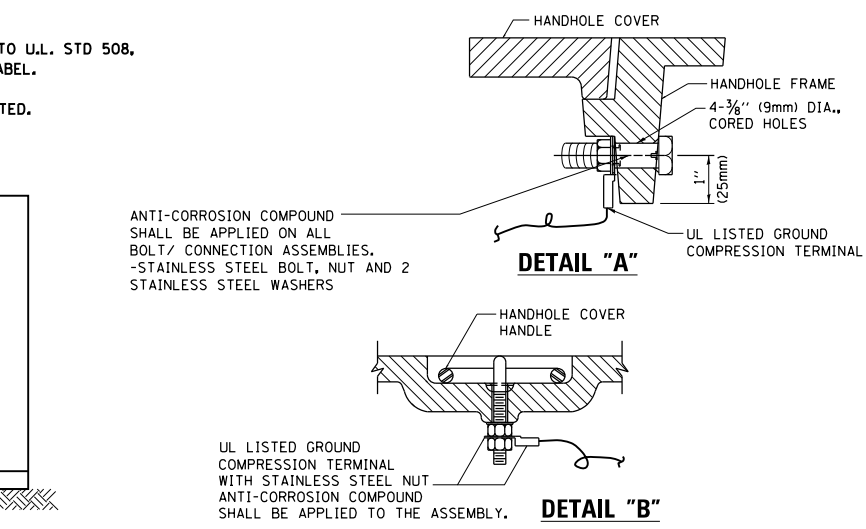
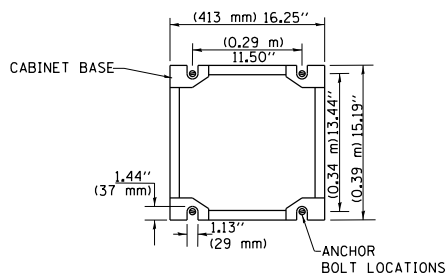
TS SHT NO. 3



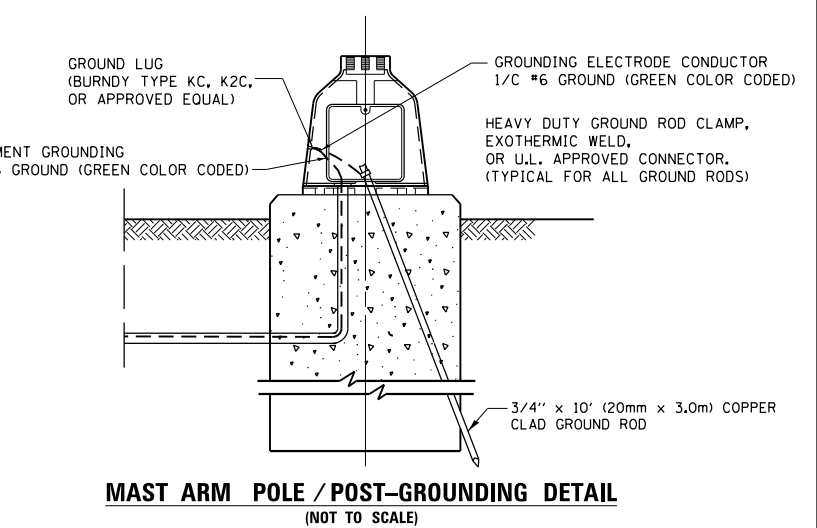
**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**



CABINET – BASE BOLT PATTERN (NOT TO SCALE)



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

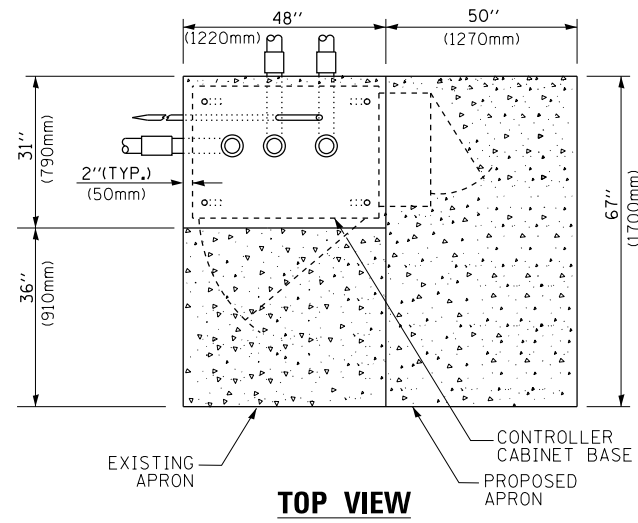


**NOTES:
GROUNDING SYSTEM**

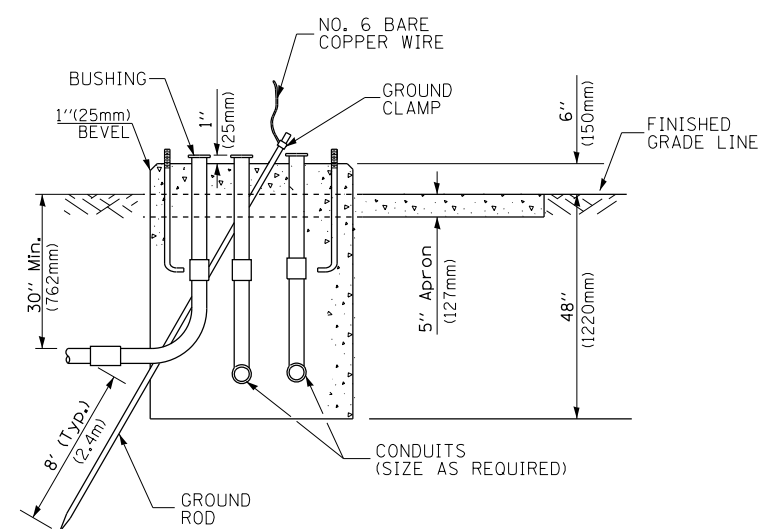
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN ENCLOSED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE,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

TS SHT NO. 4

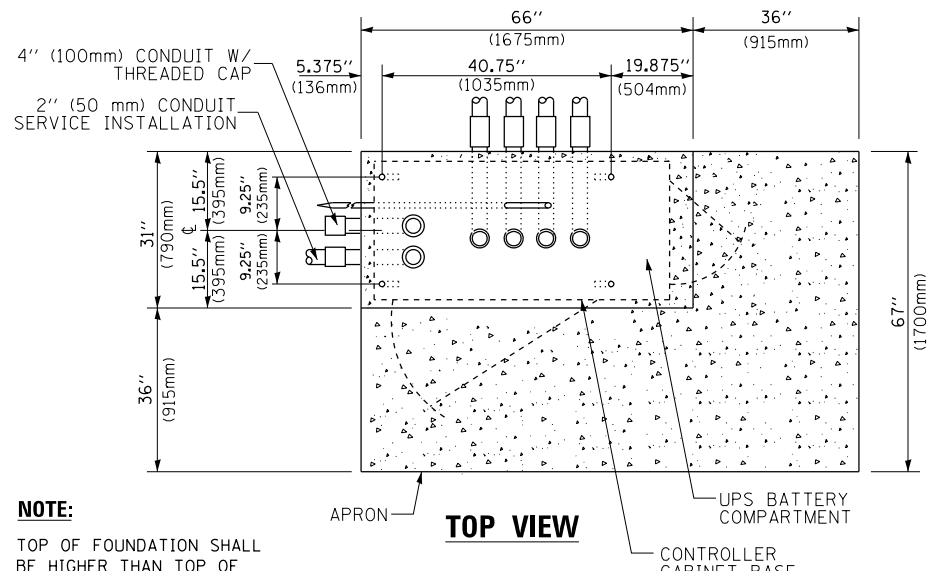
FILE NAME =	USER NAME = plescenci	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	SR1e340Columbia\DCN\Revised\Sheets\60779-50\DRAWN.dgn	CHECKED -	REVISED -			311	10Y-TS-1	DUPAGE	100	46	
	PLOT SCALE = 100.0000' / 1"	DATE -	REVISED -			TS-05		CONTRACT NO. 60Y79			
	PLOT DATE = 5/10/2017					SCALE: NONE		SHEET 4 OF 7 SHEETS		STA. TO STA.	



TOP VIEW

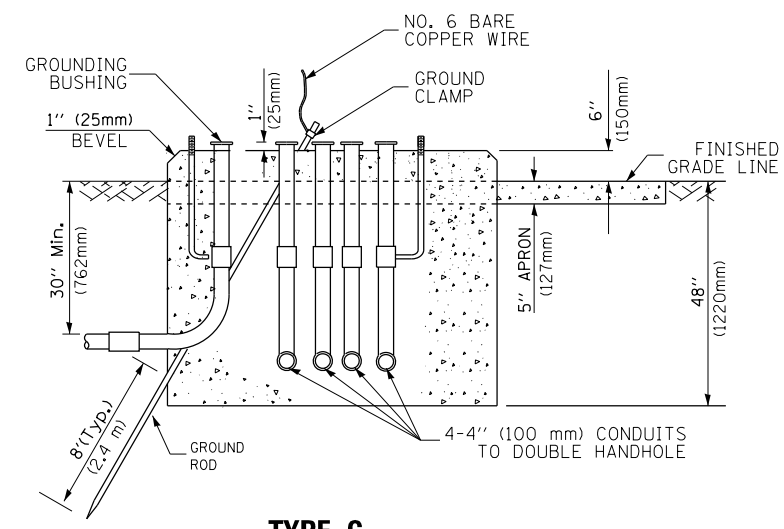


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

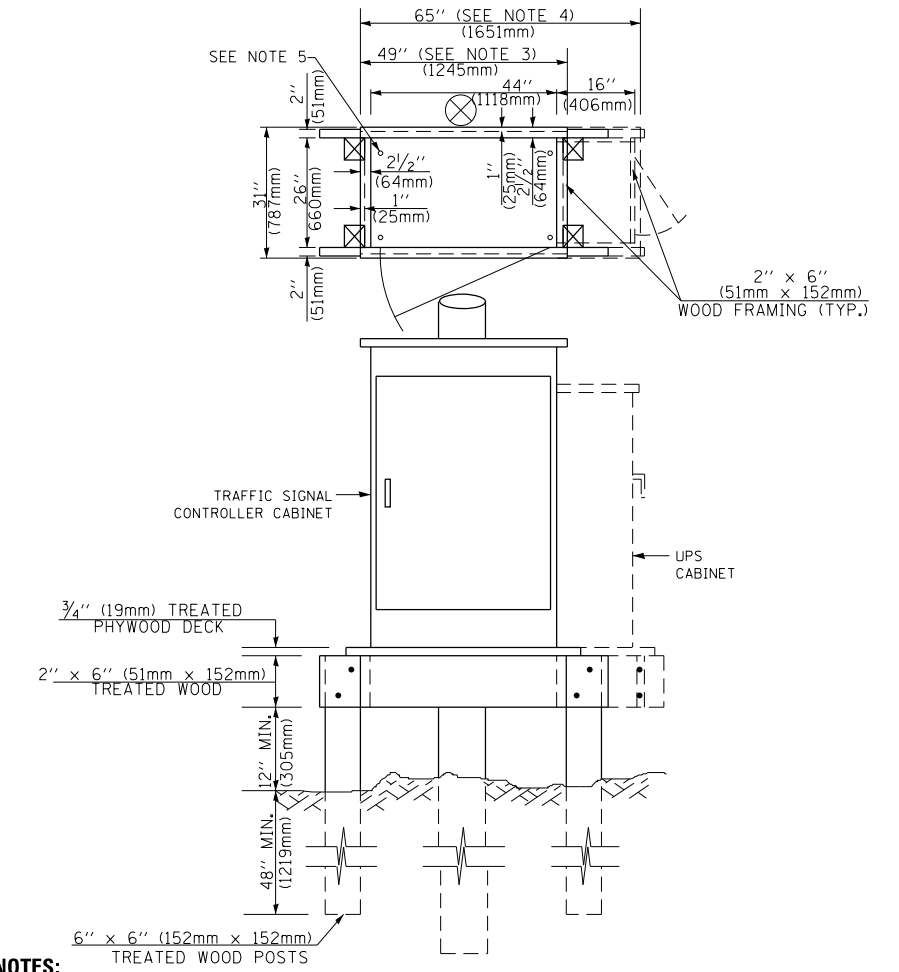


TOP VIEW

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:

1. 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.
2. 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.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. 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.
6. 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

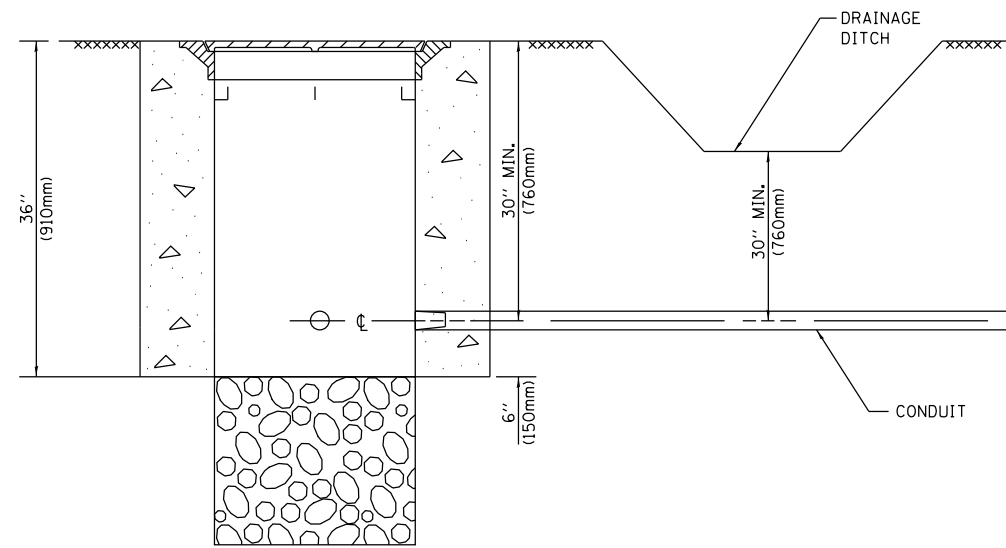
MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	24" (600mm)	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 up to 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) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. 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.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

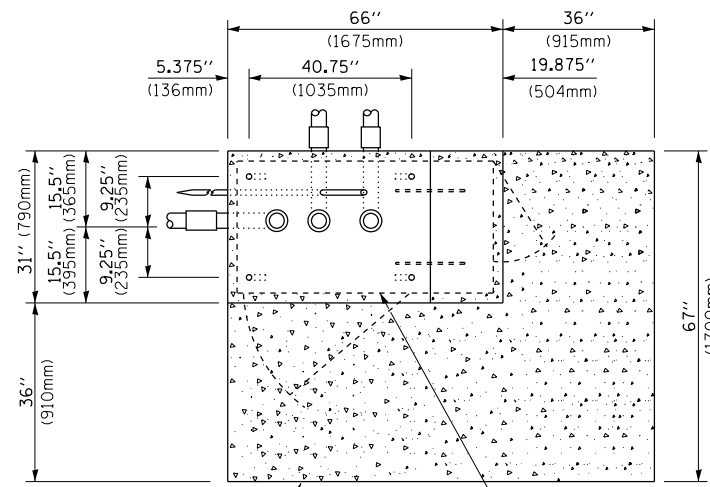
TS SHT NO. 5



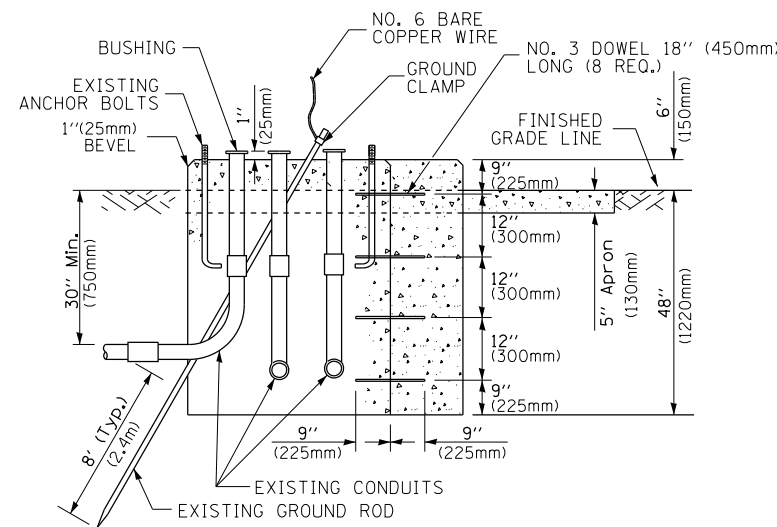
NOTES:

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.

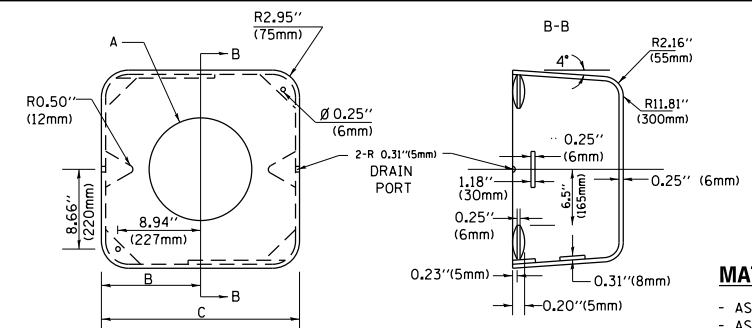
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



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

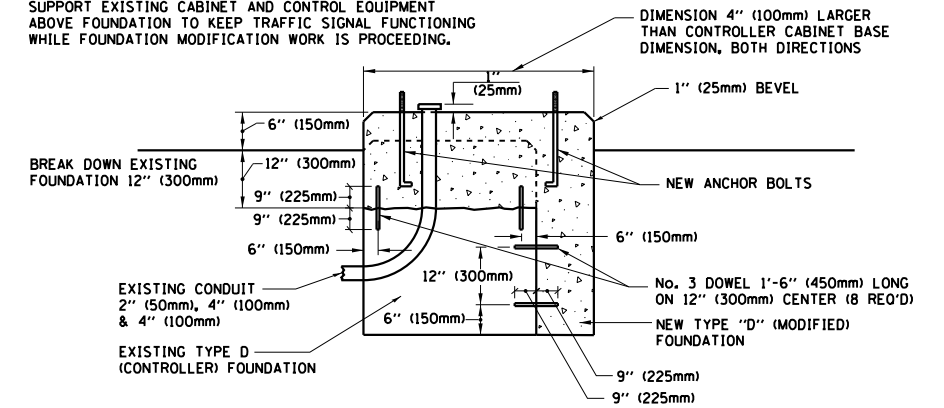
SHROUD

NOTES:

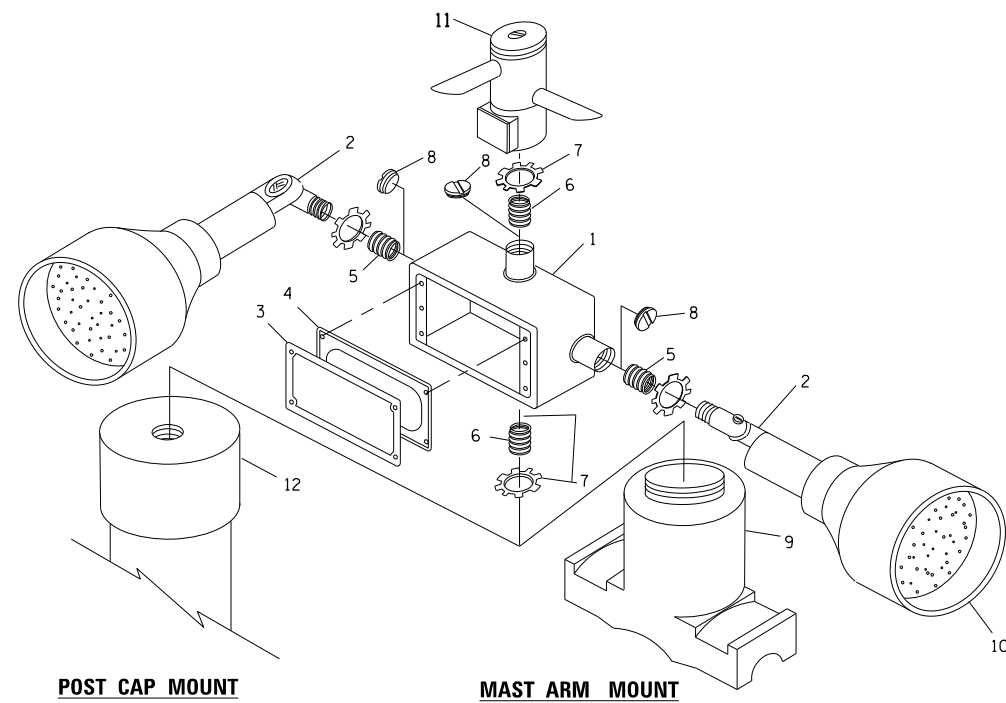
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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

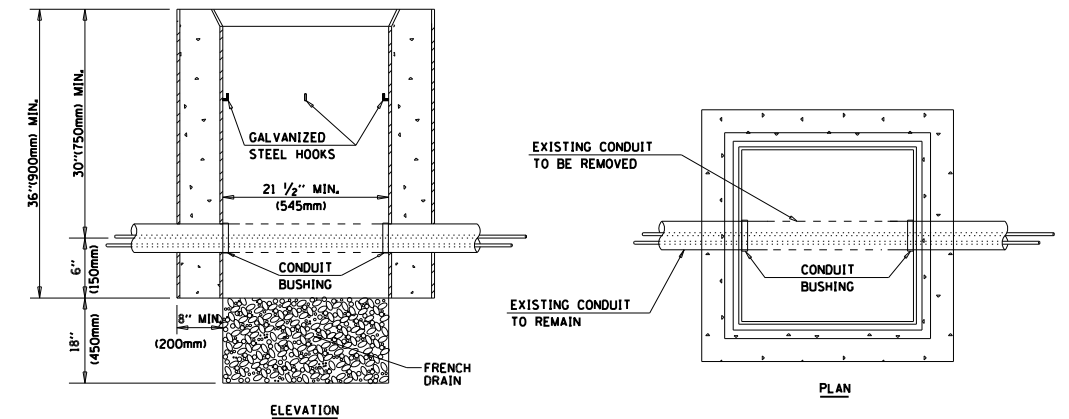


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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.



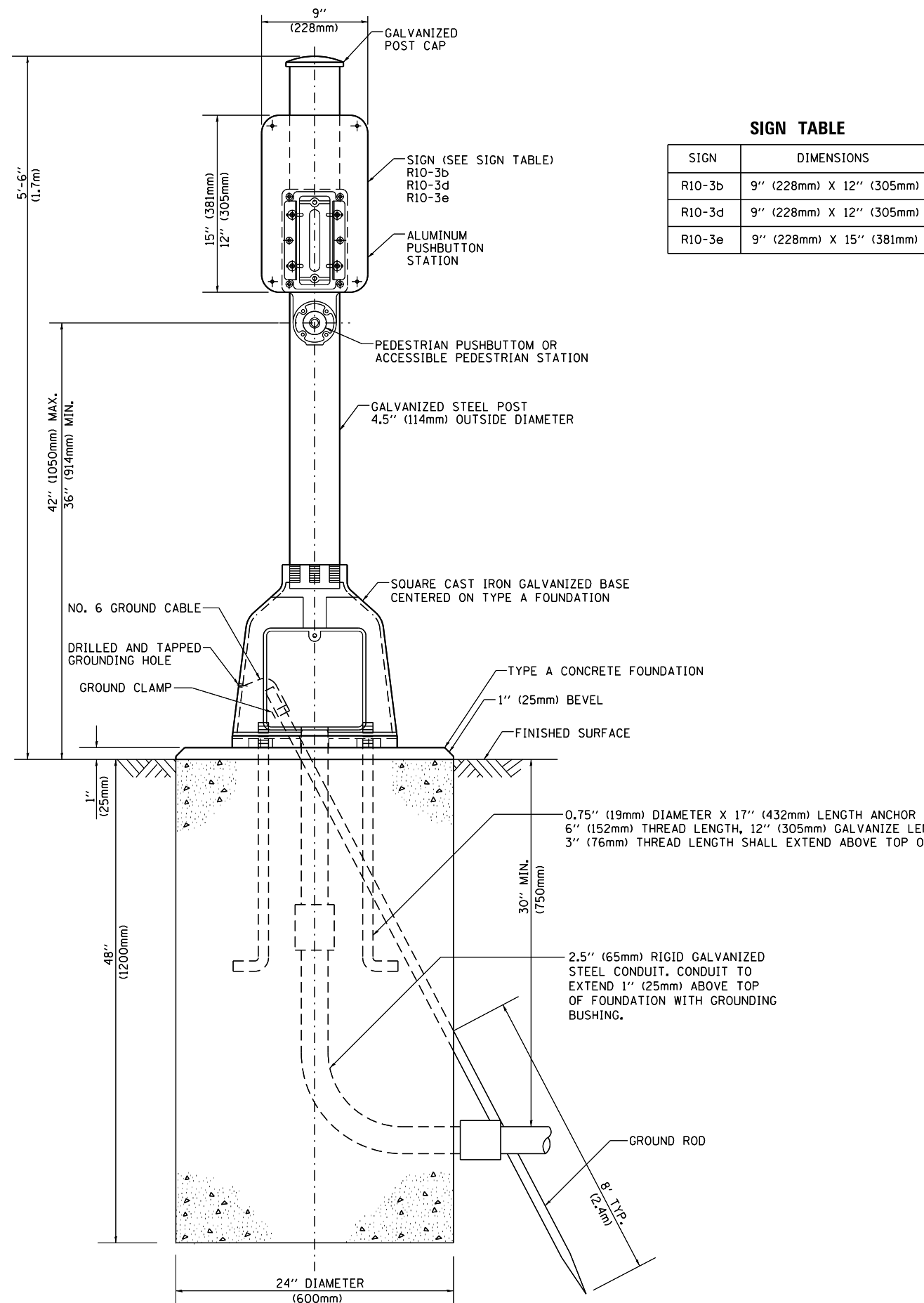
NOTES:

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

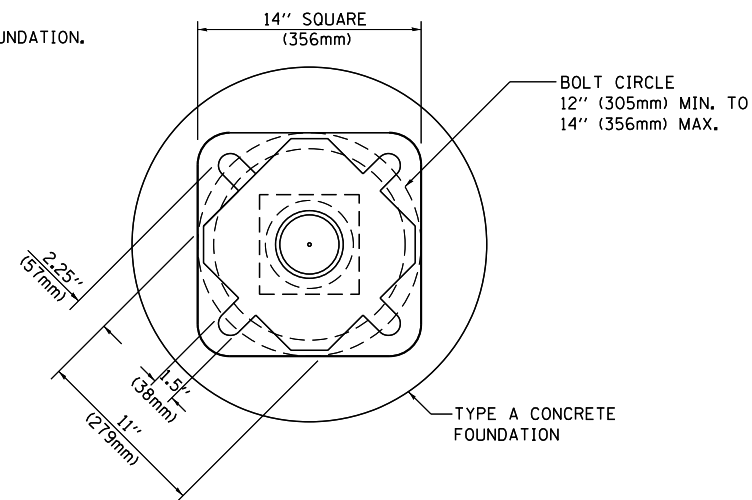
TS SHT NO. 6

TS SHT NO. 7



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

FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -
S:\WP\Design\Iovan\InHouse.Design\60Y79\JSRte340Columbia.DGN\Revised\Sheets\60Y79-5.DRAWN.dgn		REVISOR -	REVISION -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISOR -
	PLOT DATE = 5/10/2017	DATE -	REVISION -

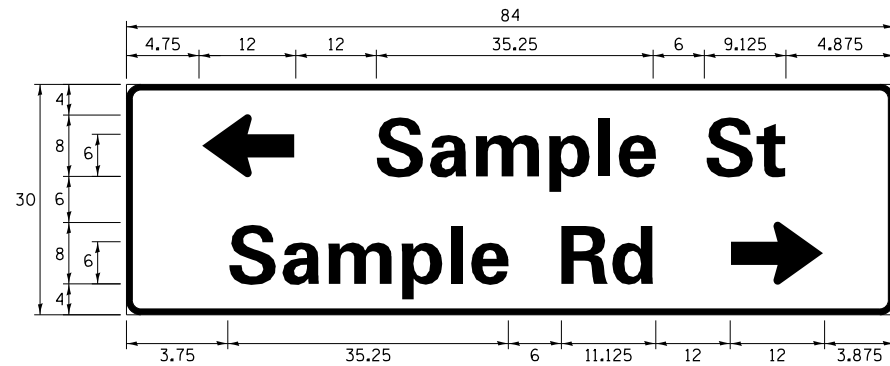
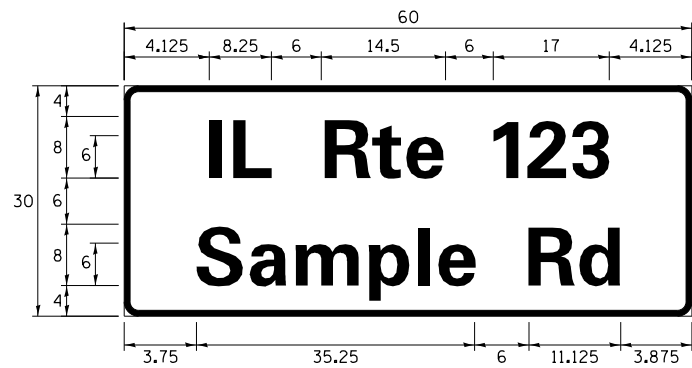
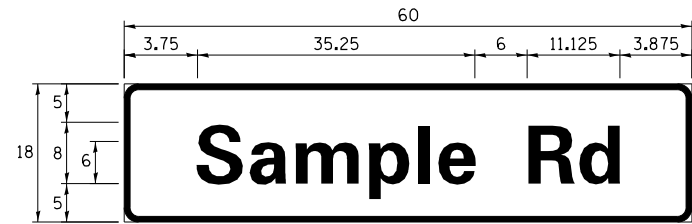
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	49
TS-05			CONTRACT NO. 60Y79	
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	Cir	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 SYMBOLOGY 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
- SIGN SCREWS SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
- BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

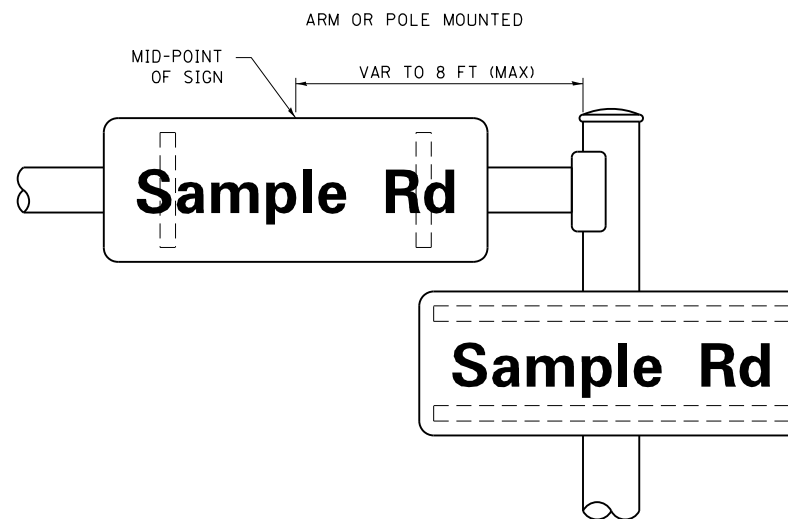
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

STANDARD ALPHABETS SPACING CHART

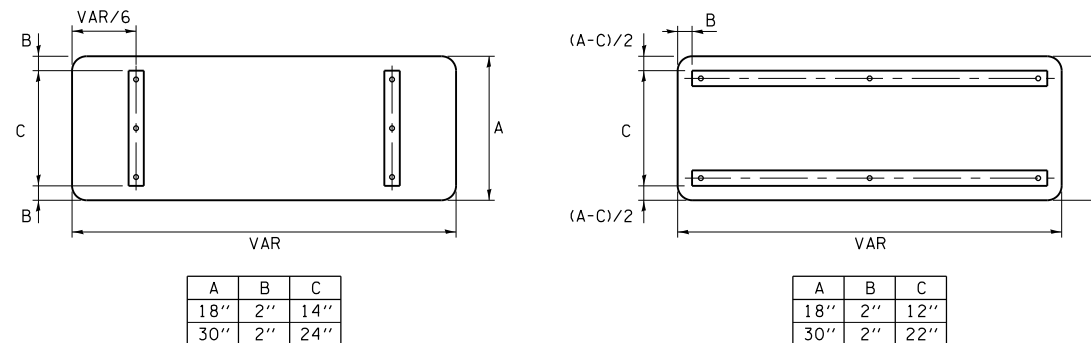
(8") UPPER CASE AND (6") LOWER CASE

CHARACTER	FHWA SERIES "C"			CHARACTER	FHWA SERIES "D"		
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)		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

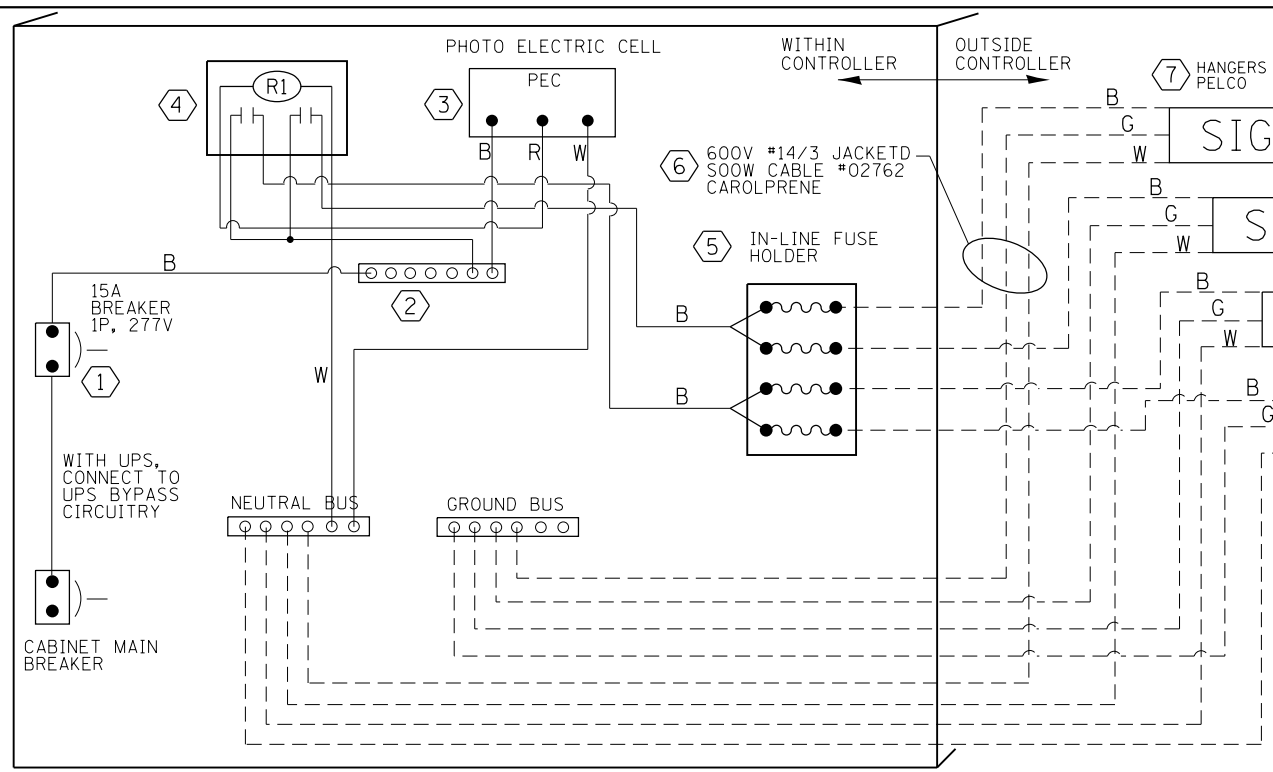
MOUNTING LOCATION



SUPPORTING CHANNELS



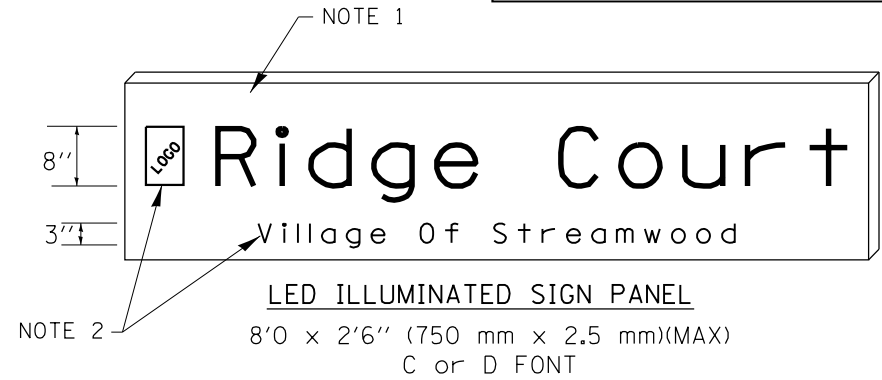
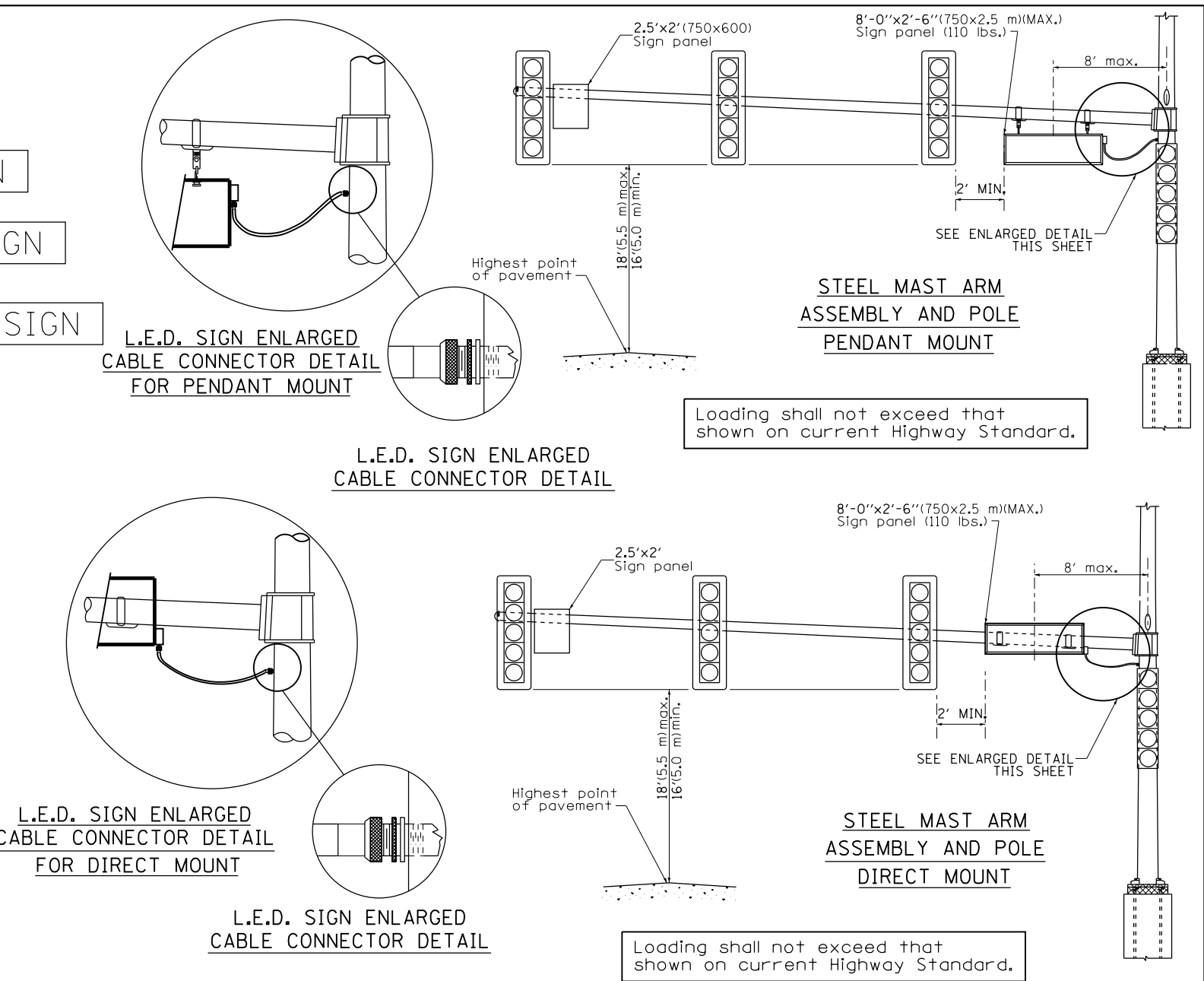
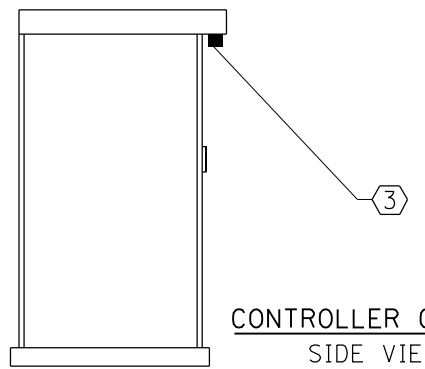
TS SHT NO. 8



LED SIGN WIRING DETAIL

BILL OF MATERIALS

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	Pendant (SE-5015) Direct mount (AB-0104-L-SP) Additional sign stiffeners may be required for direct mounted signs.	S.S. HARDWARE



- NOTES:
- SIGNS SHALL BE SINGLE SIDED FOR DIRECT MOUNT AND DOUBLE SIDED FOR PENDANT MOUNT.
 - CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
 - SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS, THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
 - ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
 - ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
 - ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

TS SHT NO. 9

REMOVAL AND RELOCATION NOTES:

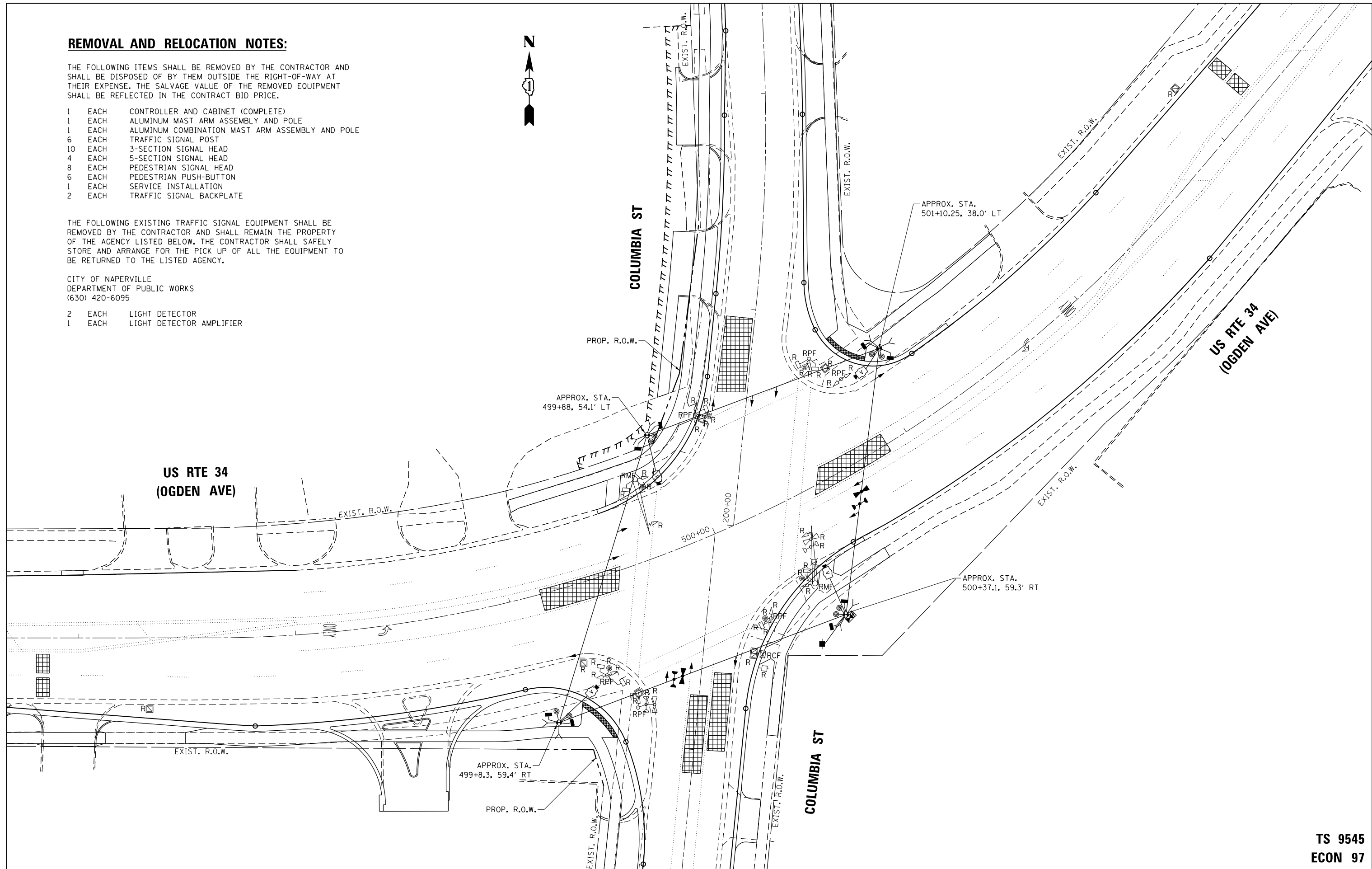
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 1 EACH ALUMINUM COMBINATION MAST ARM ASSEMBLY AND POLE
- 6 EACH TRAFFIC SIGNAL POST
- 10 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 2 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC WORKS
(630) 420-6095

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 10

**TS 9545
ECON 97**

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -
S:\WP\Design\Iovan\InHouse_Design\60Y79\USRte34@Columbia\DCN\Revised\Sheets\60Y79-5-DRAWN.dgn		DRAWN - IP	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
	PLOT DATE = 5/10/2017	DATE - 9/15/2016	REVISED -

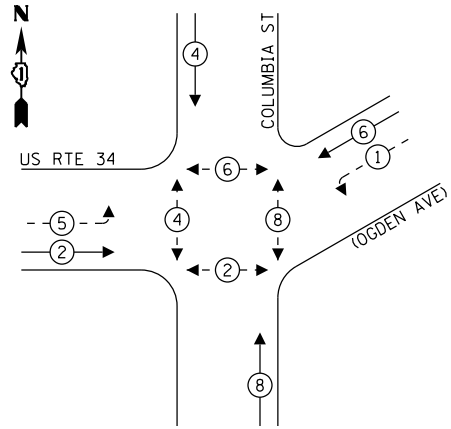
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
US RTE 34 (OGDEN AVE) AND COLUMBIA ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	52
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

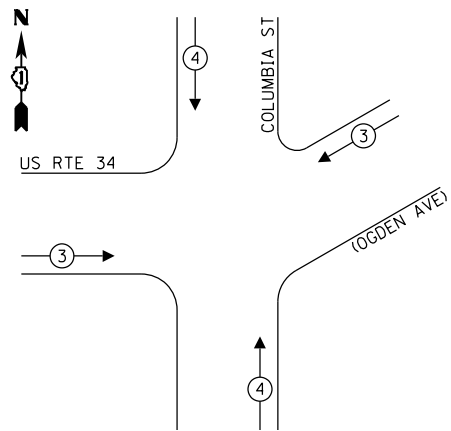
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ ← PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ → OL OVERLAP

**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



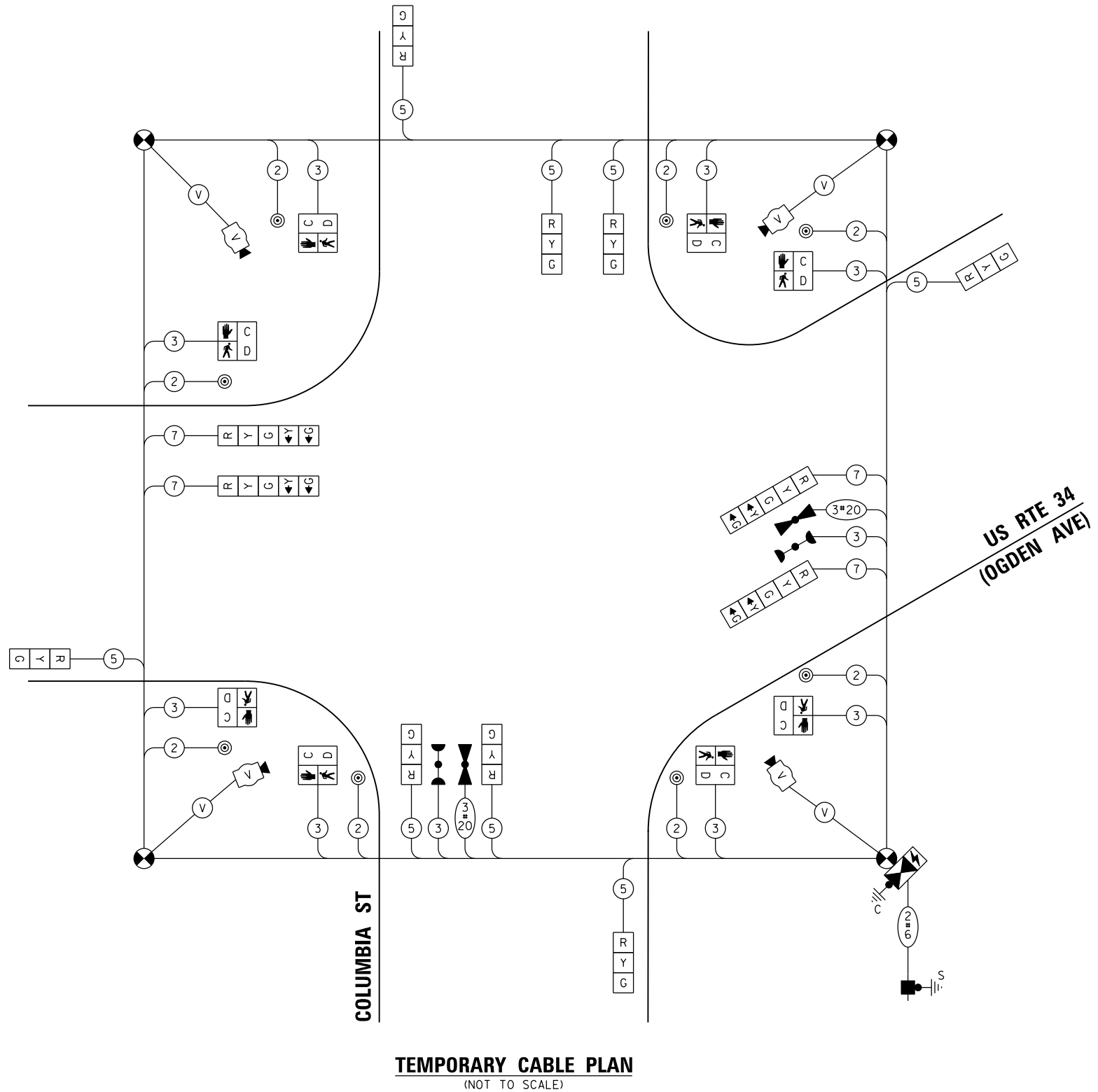
**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	306	50	-
TOTAL =				585.8

ENERGY COSTS TO:

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC WORKS
(630) 420-6095

ENERGY SUPPLY: CONTACT: RON RITTER
PHONE: (630) 420-4183
COMPANY: NAPERVILLE ELECTRIC
ACCOUNT NUMBER: ---



TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 11

FILE NAME =	USER NAME = pascencia
S:\WP\Design\Iovan\InHouse_Design\60Y79\USRte34@Columbia\DCN\Revised\Sheets\60Y79-5.dgn	DRAWN = IP
Default	CHECKED = LP
	DATE = 9/15/2016
	REVISIONS =

DESIGNED - IP	REVISIONS -
DRAWN - IP	REVISIONS -
CHECKED - LP	REVISIONS -
DATE - 9/15/2016	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 34 (OGDEN AVE) AND COLUMBIA ST**

SCALE: SHEET OF SHEETS STA. TO STA.

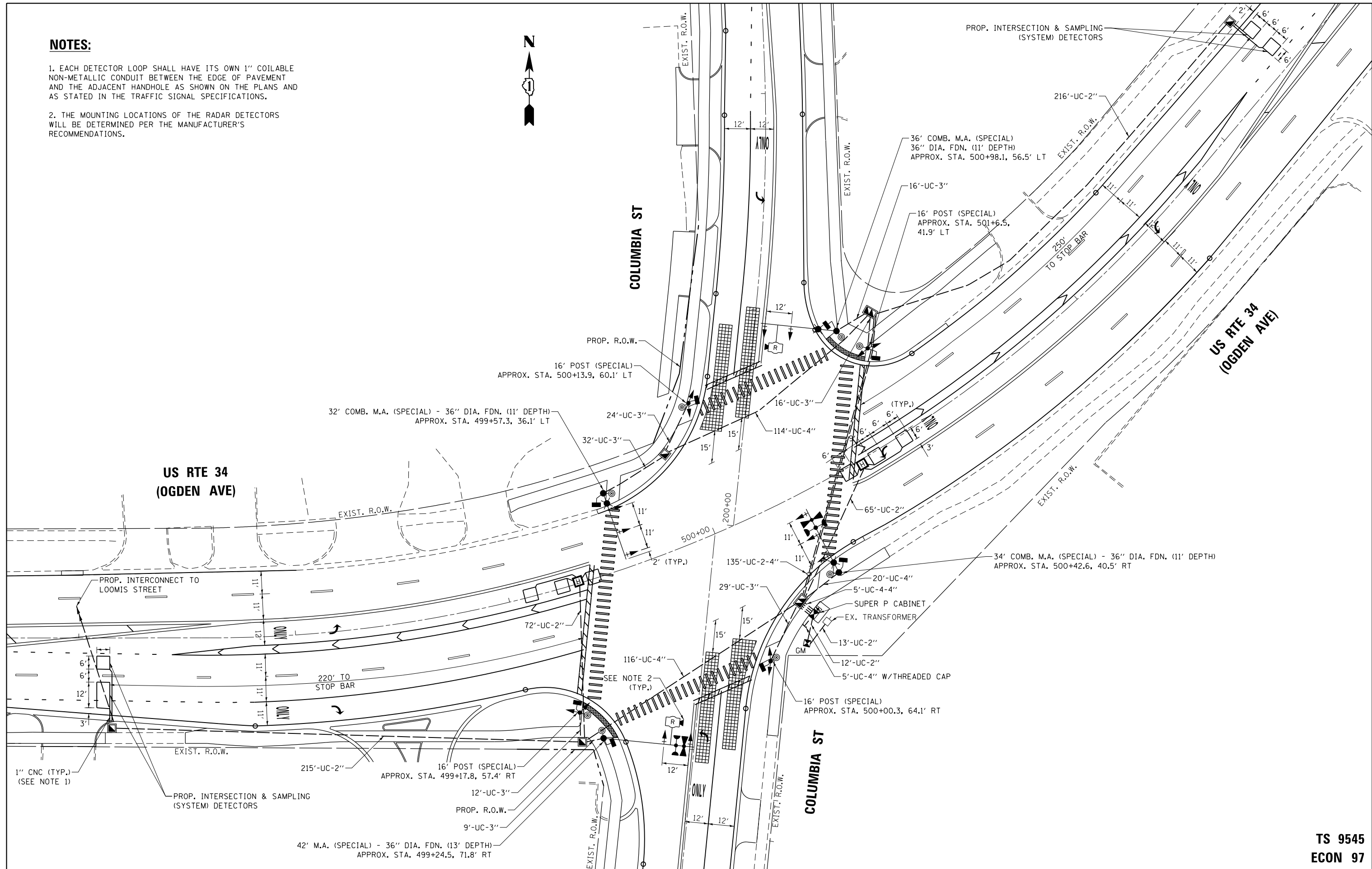
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	53
CONTRACT NO. 60Y79				

**TS 9545
ECON 97**



NOTES:

1. 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.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.



TS SHT NO. 12

TS 9545
ECON 97

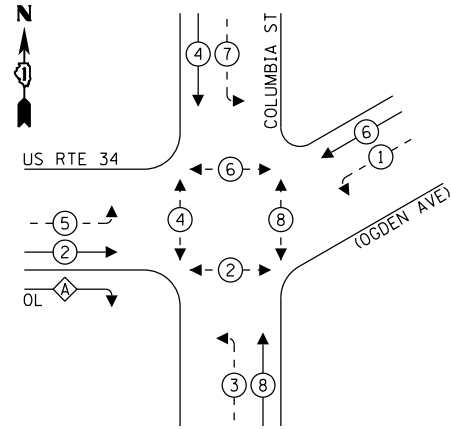
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Default	PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
	PLOT DATE = 5/10/2017	DATE - 5/10/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN			
US RTE 34 (OGDEN AVE) AND COLUMBIA ST			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	54
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



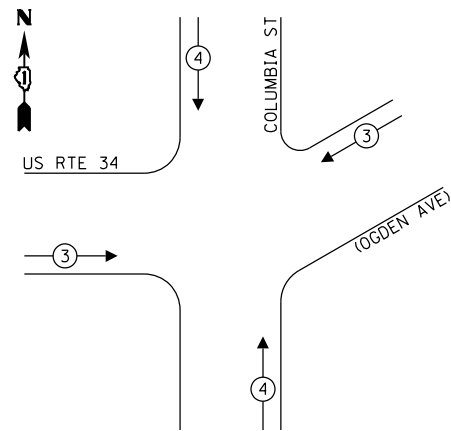
LEGEND:

- ←*→ PROTECTED PHASE
- ←-*- PROTECTED/PERMITTED PHASE
- ←*→ PEDESTRIAN PHASE
- ←*→ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	20	10	10	20.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	3	250	50	375.0
TOTAL =				1134.2

ENERGY COSTS TO:

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC WORKS
(630) 420-6095

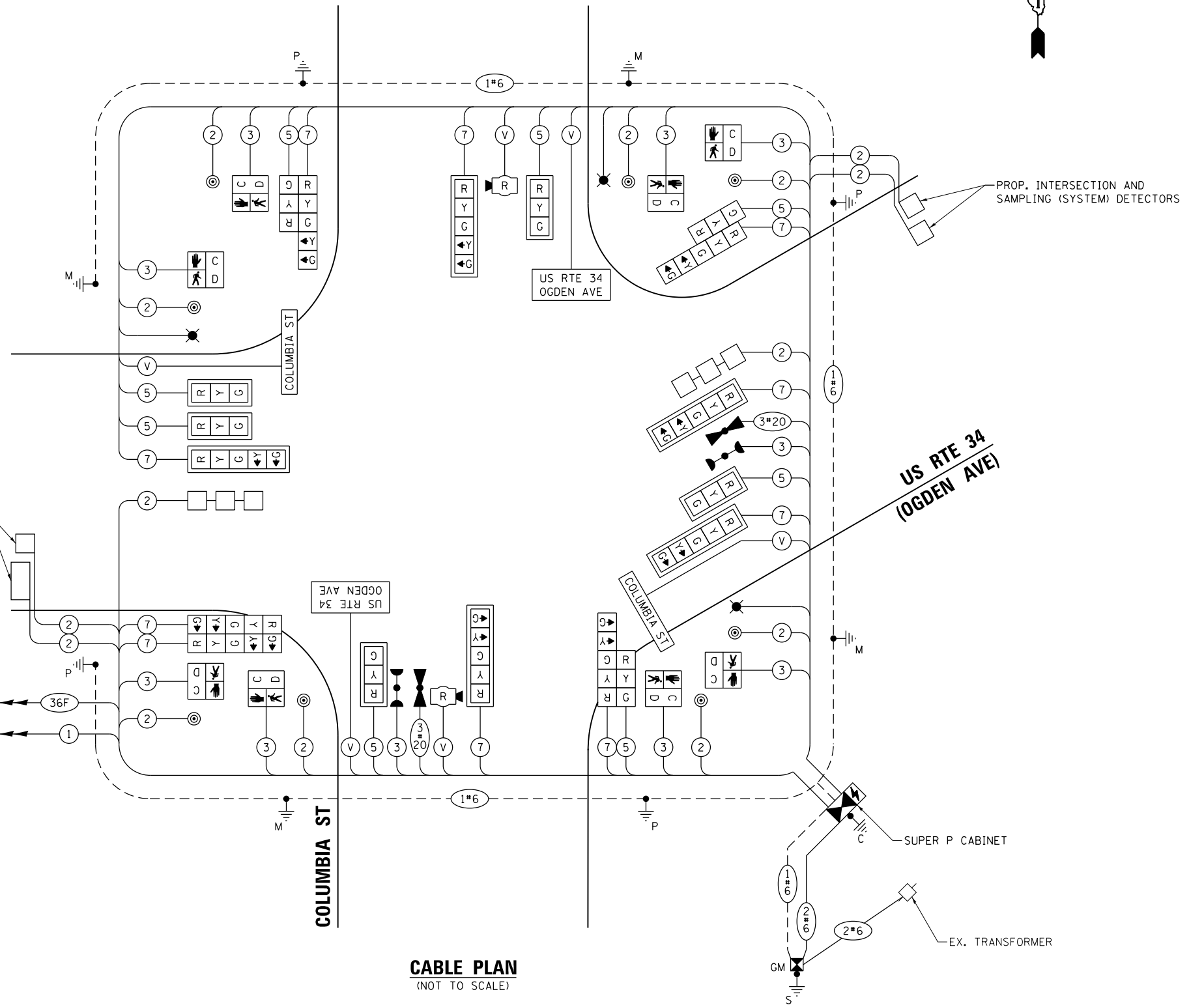
ENERGY SUPPLY: CONTACT: RON RITTER
PHONE: (630) 420-4183
COMPANY: NAPERVILLE ELECTRIC
ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = plesencia	DESIGNED - IP	REVISED -
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Default		CHECKED - LP	REVISED -
		DATE - 5/10/2017	REVISED -

PROP. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

PROP. INTERCONNECT TO LOOMIS ST

PROP. TRACER CABLE



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 34 (OGDEN AVE) AND COLUMBIA ST

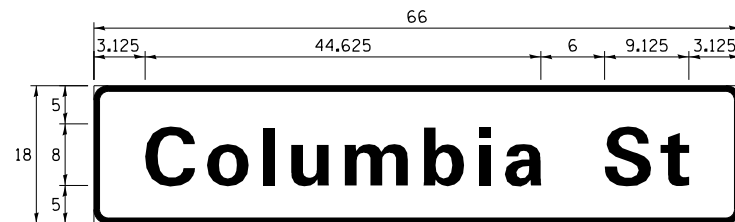
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	55
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

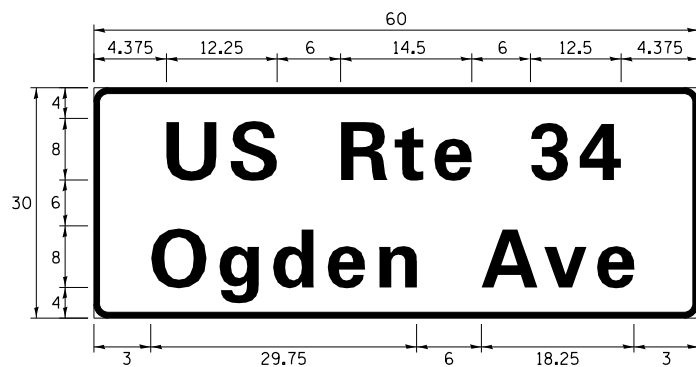
TS 9545
ECON 97

LED INTERNALLY ILLUMINATED STREET NAME SIGN

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED	SHEETING TYPE
D	8.25	2	ZZ



DESIGN SERIES	AREA (SQ FT)	QTY. REQUIRED	SHEETING TYPE
D	12.5	2	ZZ

NOTE: THE LED STREET NAME SIGNS ARE TO BE DUAL SIDED WITH PENDANT MOUNT. SEE ILLUMINATED STREET NAME SIGN DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	593
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	158
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	525
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,579
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,961
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,933
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,071
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,855
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	115
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	740
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	350
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	332
* LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
** LAYER II (DATALINK) SWITCH	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT. (SPECIAL)	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
TRAFFIC SIGNAL POST, 16 FT. (SPECIAL)	EACH	4

* 100% COST TO THE CITY OF NAPERVILLE

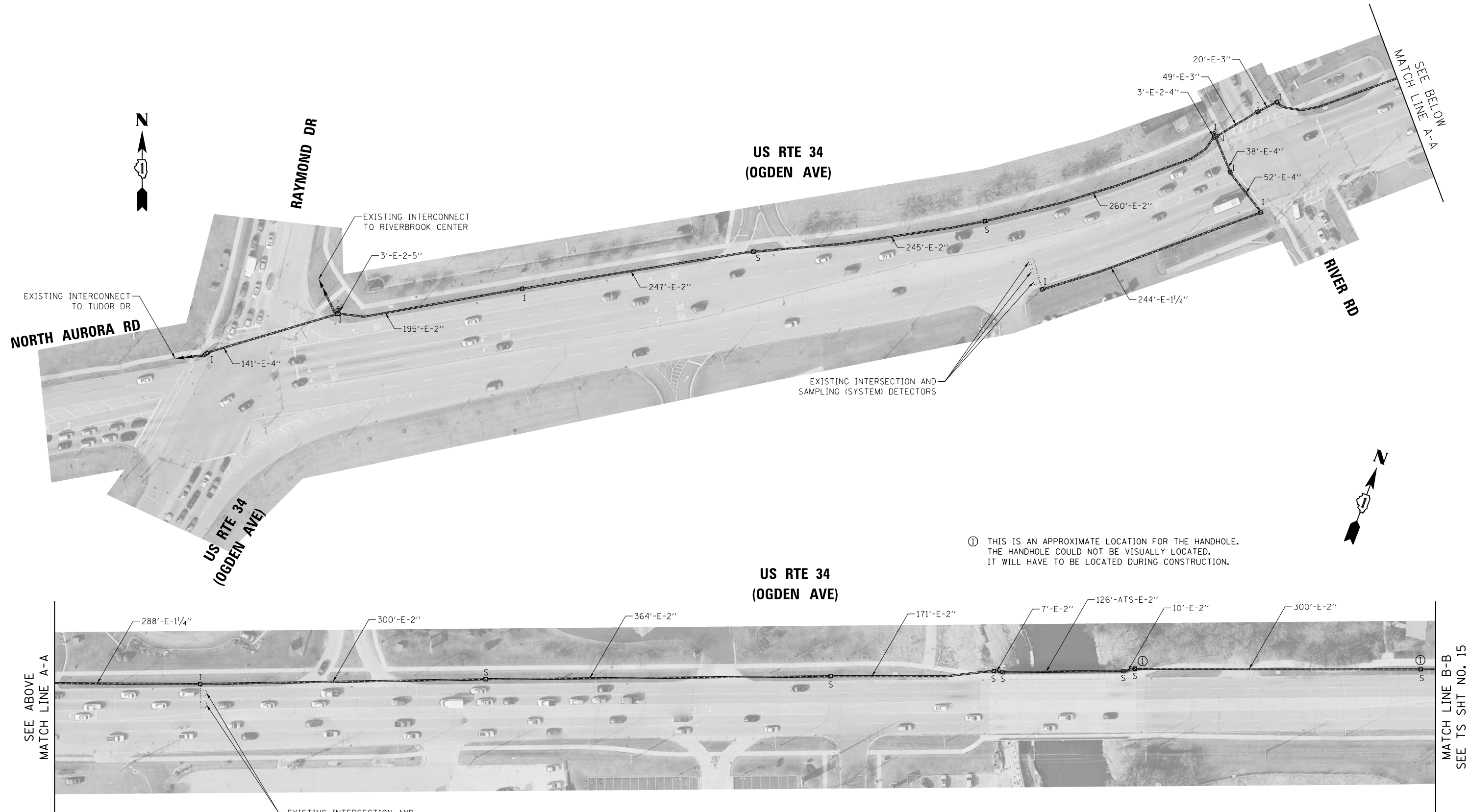
** FOR FUTURE USE

TS SHT NO. 14

TS 9545
ECON 97

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES US RTE 34 (OGDEN AVE) AND COLUMBIA ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\Iovan\InHouse.Design\60Y79-5	SRte34@Columbia\DCN\Revised\Sheets\60Y79-5	DRAWN - IP	REVISED -			311	10Y-TS-1	DUPAGE	100	56	
Default	PLOT SCALE = 48.0000' / in.	CHECKED - LP	REVISED -			CONTRACT NO. 60Y79					
	PLOT DATE = 5/10/2017	DATE - 5/10/2017	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

TS SHT NO. 15



① THIS IS AN APPROXIMATE LOCATION FOR THE HANDHOLE. THE HANDHOLE COULD NOT BE VISUALLY LOCATED. IT WILL HAVE TO BE LOCATED DURING CONSTRUCTION.

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -
S:\WP\Design\Iovan\InHouse_Design\60Y79\USRte34@Columbia\DCN\Revised\Sheets\60Y79-5-DRAWN.dgn		DRAWN - IP	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - LP	REVISED -
	PLOT DATE = 5/10/2017	DATE - 9/15/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN (SHEET 1 OF 5)
US RTE 34 (OGDEN AVE) -
RAYMOND DR TO COLUMBIA ST**

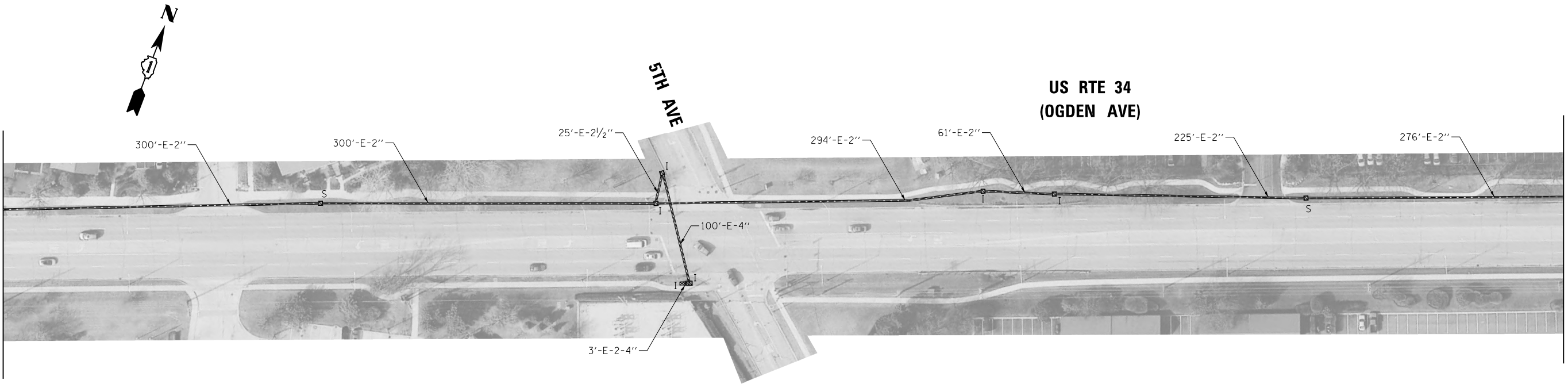
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	57
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

ECON 97

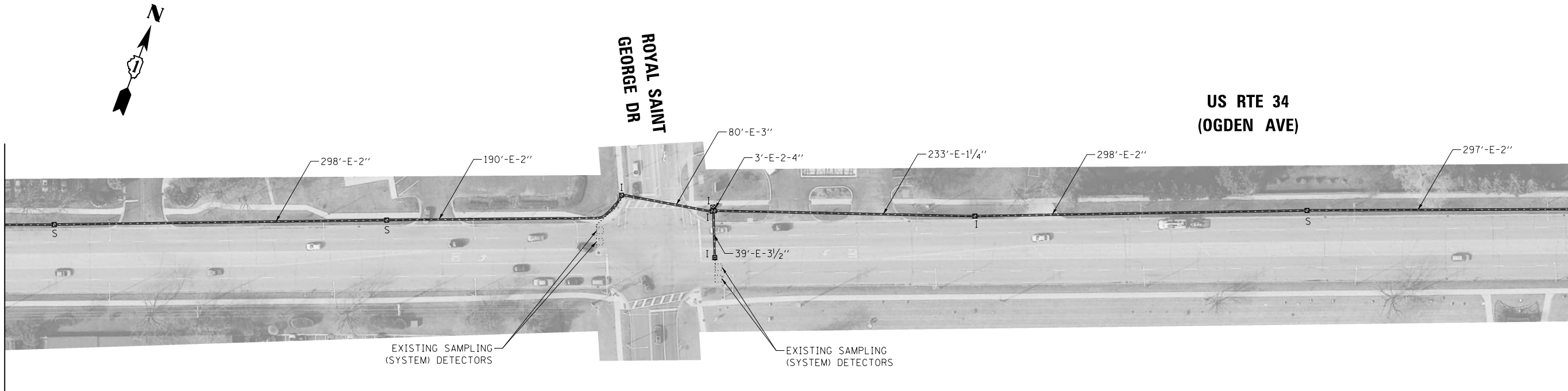
TS SHT NO. 16

SEE TS SHT NO. 14
MATCH LINE B-B



MATCH LINE C-C
SEE BELOW

SEE ABOVE
MATCH LINE C-C



MATCH LINE D-D
SEE TS SHT NO. 16

ECON 97

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -
S:\WP\Design\Iovan\InHouse_Design\60Y79\USRte34@Columbia\DCN\Revised\Sheets\60Y79-50\DRAWN.dgn		DRAWN - IP	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - LP	REVISED -
	PLOT DATE = 5/10/2017	DATE - 9/15/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

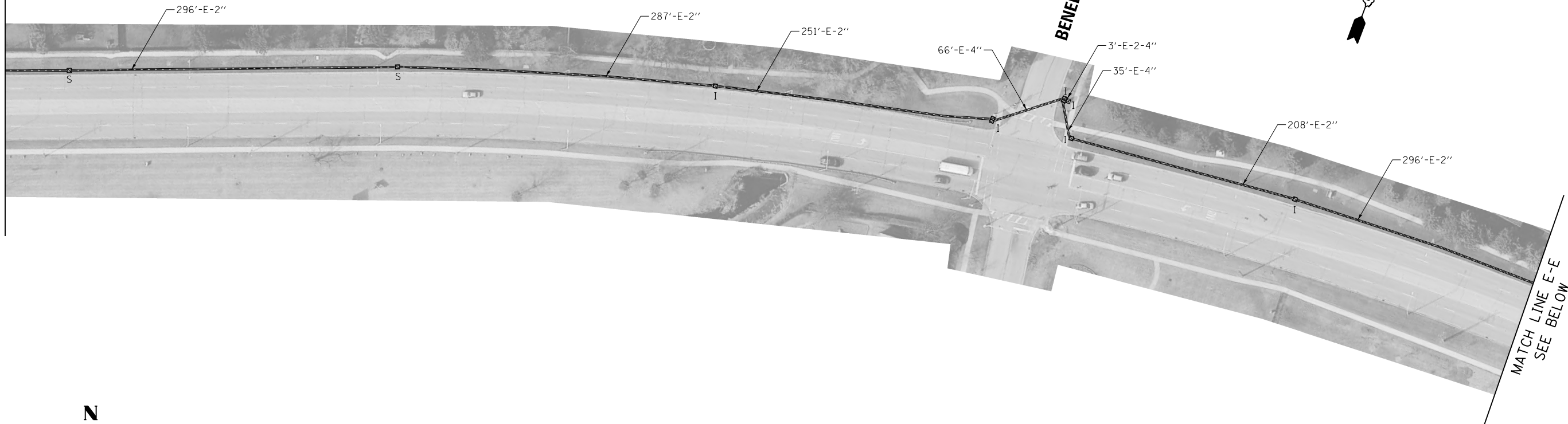
PROPOSED INTERCONNECT PLAN (SHEET 2 OF 5)
US RTE 34 (OGDEN AVE) -
RAYMOND DR TO COLUMBIA ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	58
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

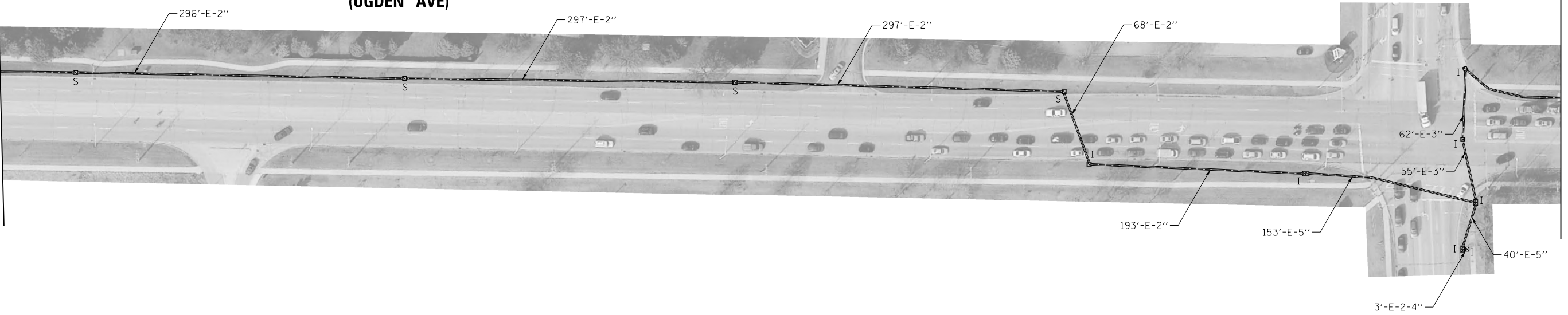
SEE TS SHT NO. 15
MATCH LINE D-D

US RTE 34
(OGDEN AVE)



SEE ABOVE
MATCH LINE E-E

US RTE 34
(OGDEN AVE)



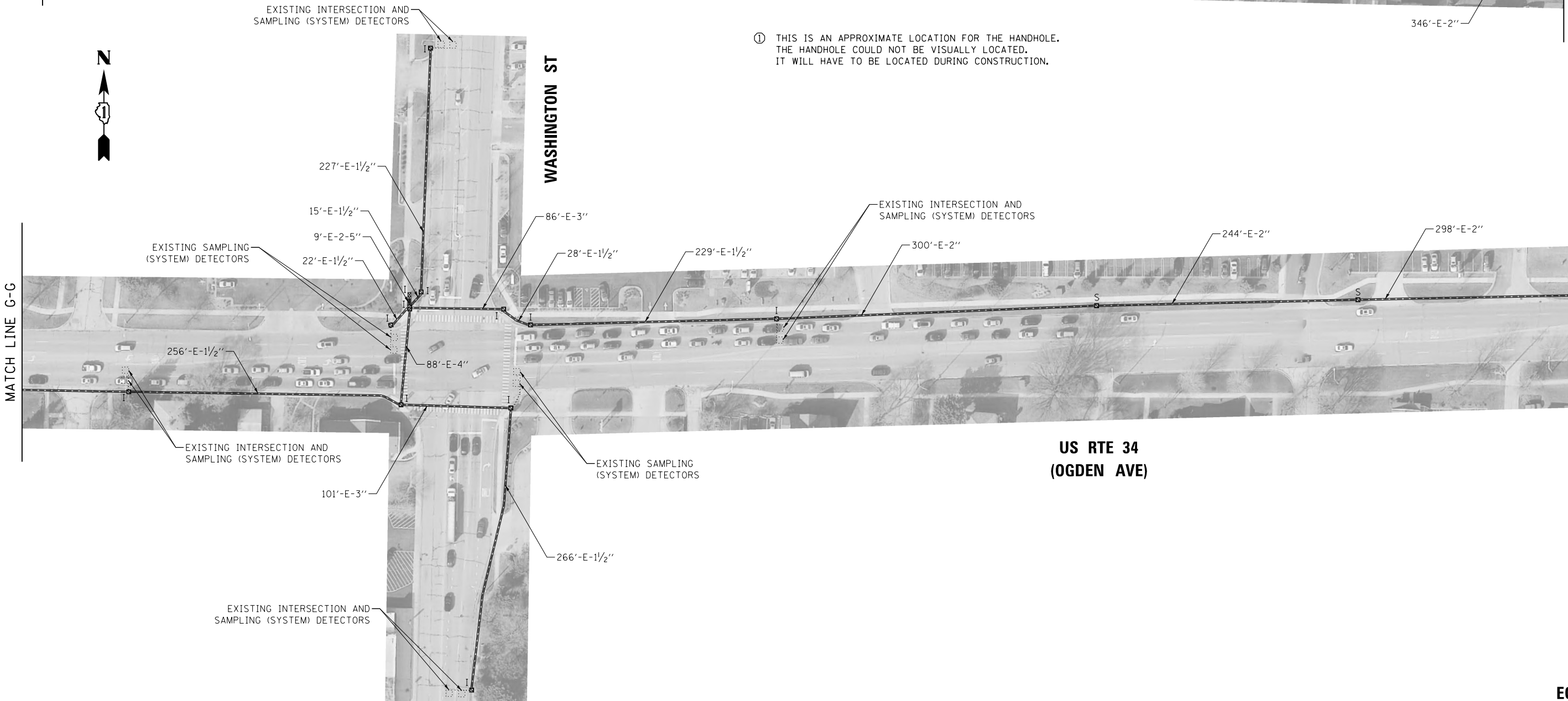
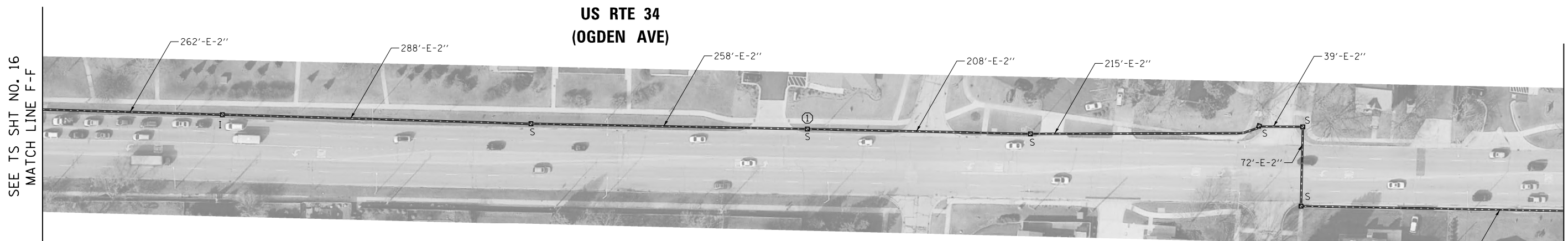
MATCH LINE F-F
SEE TS SHT NO. 17

TS SHT NO. 17

ECON 97

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN (SHEET 3 OF 5) US RTE 34 (OGDEN AVE) - RAYMOND DR TO COLUMBIA ST				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - LP	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/10/2017	DATE - 9/15/2016	REVISED -		CONTRACT NO. 60Y79								

TS SHT NO. 18



① THIS IS AN APPROXIMATE LOCATION FOR THE HANDHOLE. THE HANDHOLE COULD NOT BE VISUALLY LOCATED. IT WILL HAVE TO BE LOCATED DURING CONSTRUCTION.



FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -
S:\WP\Design\Iovan\InHouse_Design\60Y79\USRte34@Columbia\DCN\Revised\Sheets\60Y79-5-DRAWN.dgn		CHECKED - LP	REVISED -
Default	PLOT SCALE = 100.0000' / 1" /	DATE - 9/15/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

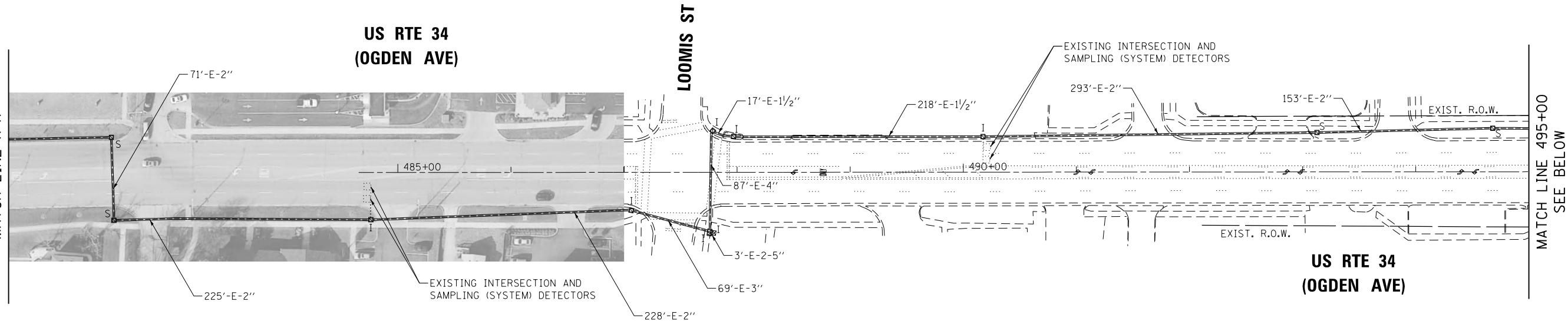
PROPOSED INTERCONNECT PLAN (SHEET 4 OF 5)
US RTE 34 (OGDEN AVE) -
RAYMOND DR TO COLUMBIA ST

SCALE: SHEET OF SHEETS STA. TO STA.

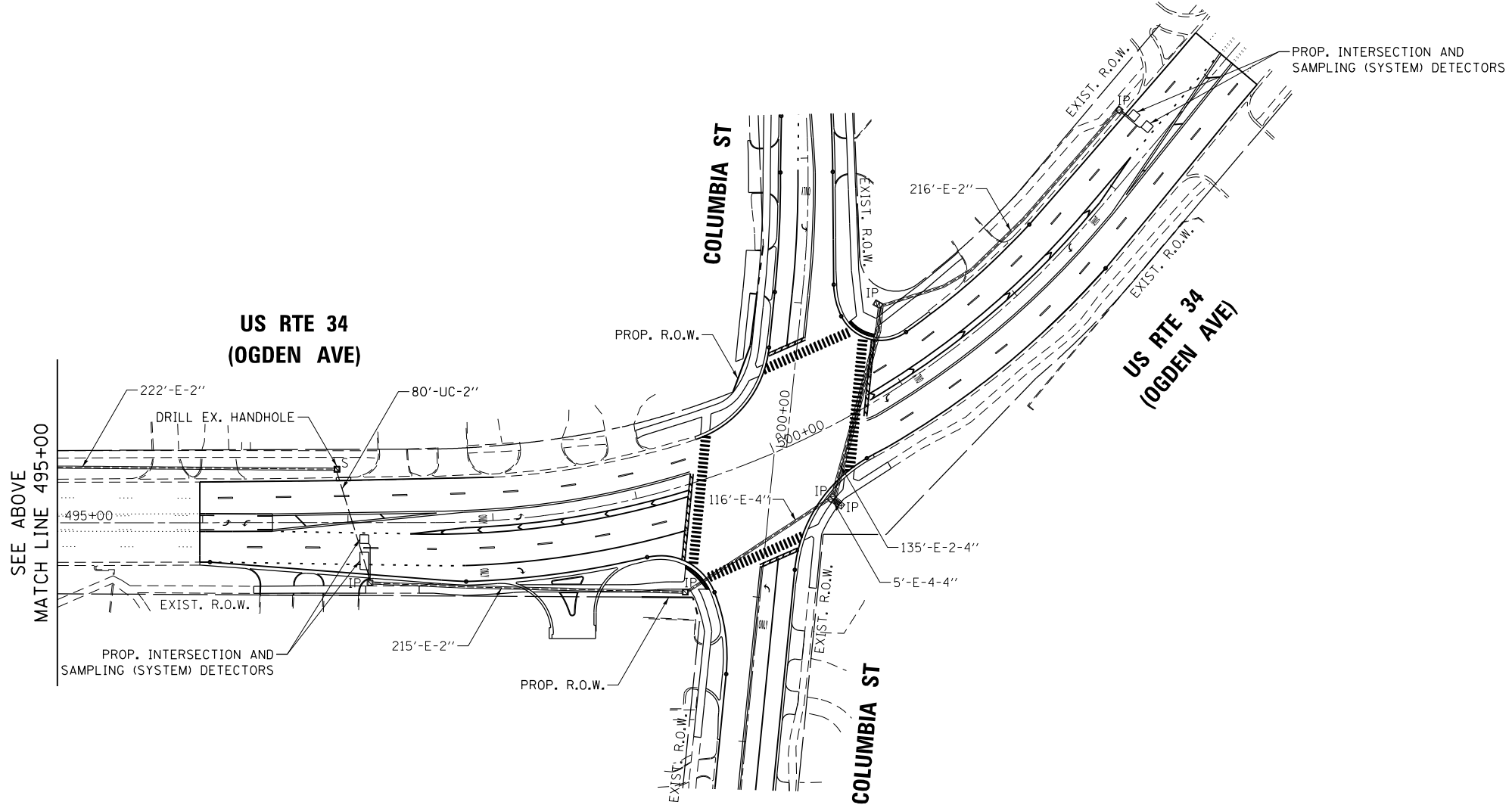
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	60
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

ECON 97

SEE TS SHT NO. 17
MATCH LINE H-H



MATCH LINE 495+00
SEE BELOW



TS SHT NO. 19

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - LP	REVISED -
	PLOT DATE = 5/10/2017	DATE - 9/15/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN (SHEET 5 OF 5)
US RTE 34 (OGDEN AVE) -
RAYMOND DR TO COLUMBIA ST

SCALE: SHEET OF SHEETS STA. TO STA.

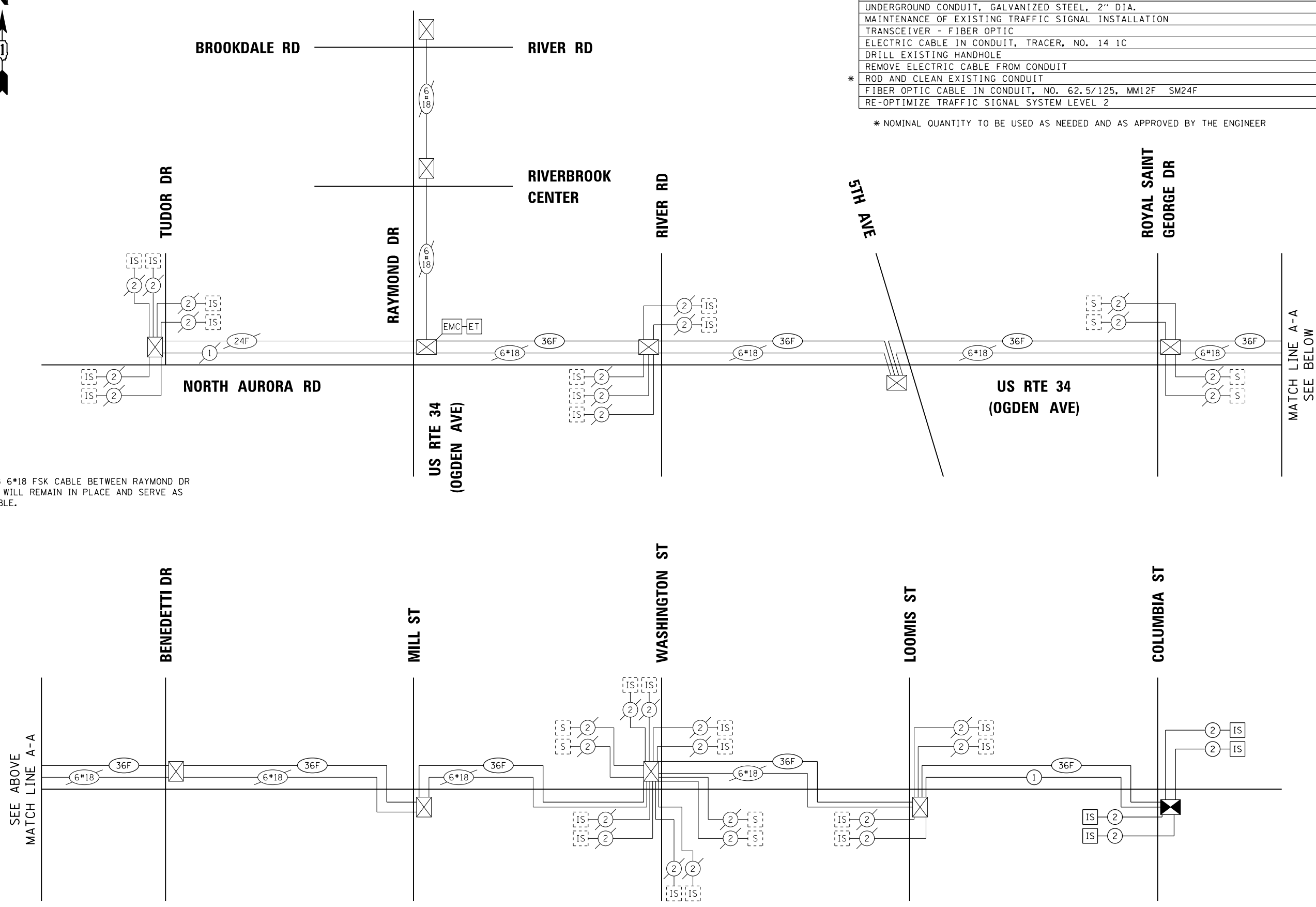
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	61
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

ECON 97

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	80
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8
TRANSCEIVER - FIBER OPTIC	EACH	7
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,500
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,000
* ROD AND CLEAN EXISTING CONDUIT	FOOT	2,000
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	14,700
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER



NOTES:

1. THE EXISTING 6*18 FSK CABLE BETWEEN RAYMOND DR AND LOOMIS ST WILL REMAIN IN PLACE AND SERVE AS THE TRACER CABLE.

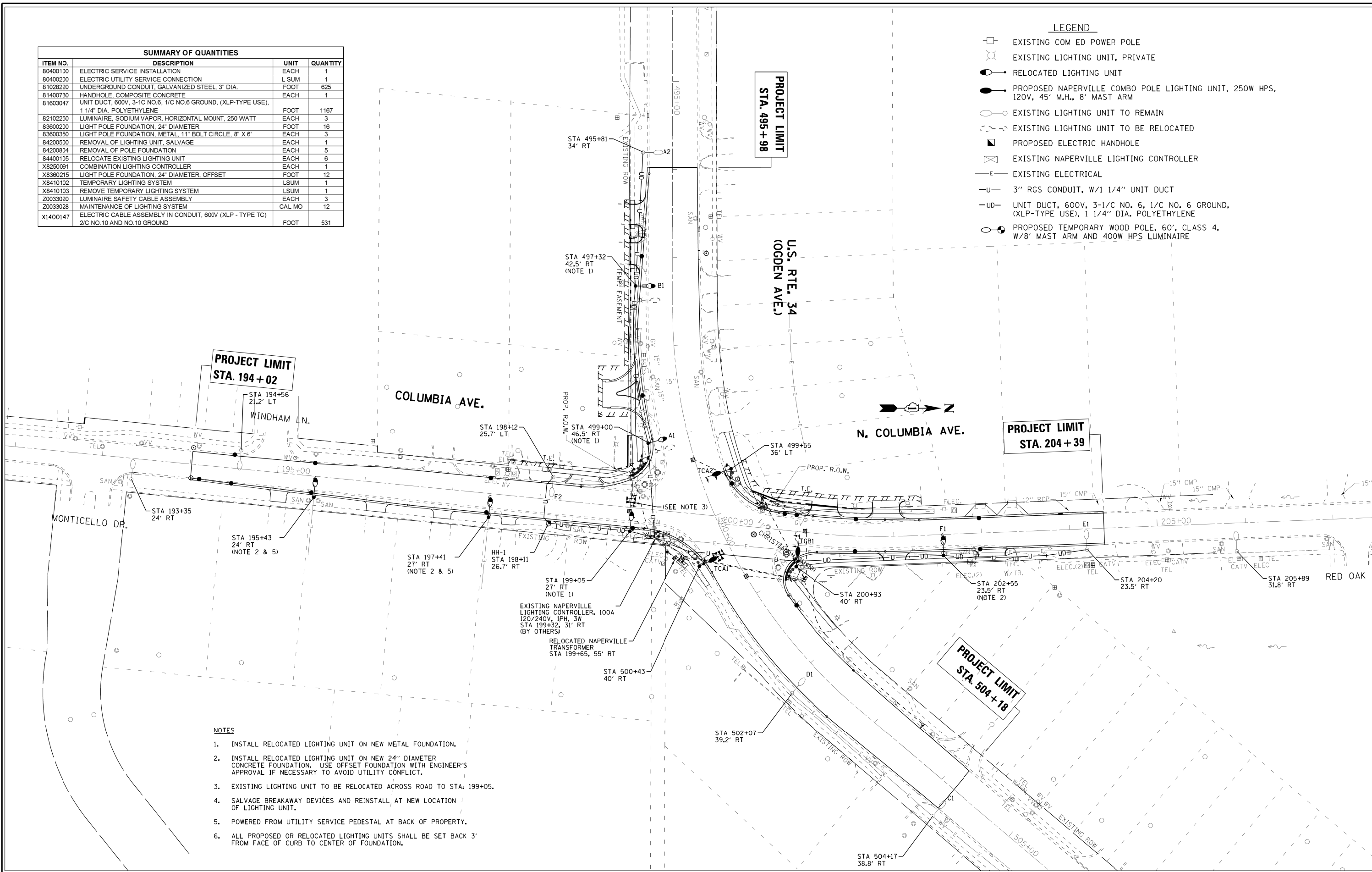
TS SHT NO. 20

ECON 97

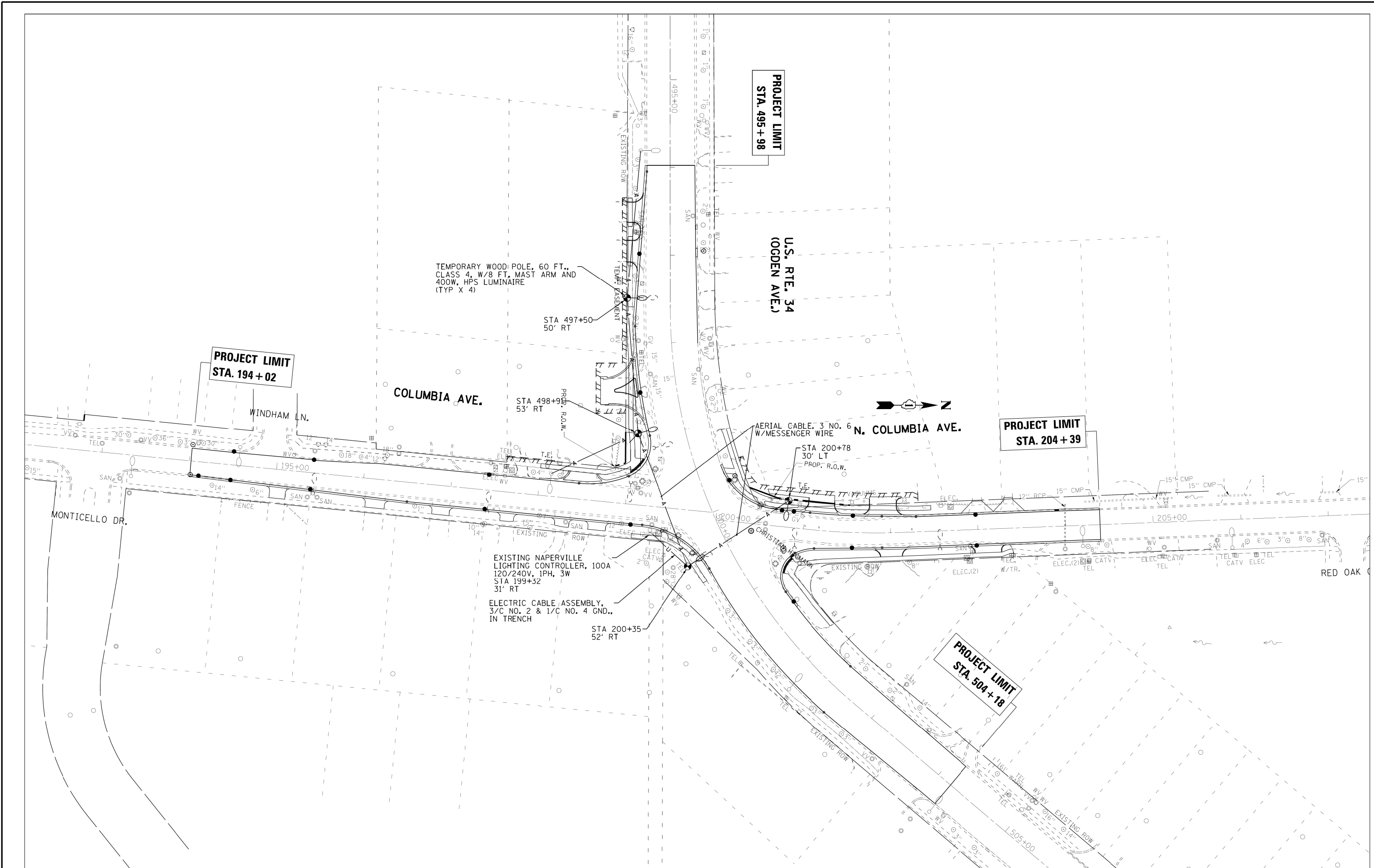
FILE NAME =	USER NAME = pascencio	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES US RTE 34 (OGDEN AVE) - LOOMIS ST TO COLUMBIA ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\Iovan\InHouse_Design\60Y79\USRte34@Columbia\DCN\Revised\Sheets\60Y79-SHT20.dgn	IP	REVISOR -	REVISOR -			311	10Y-TS-1	DUPAGE	100	62
PLOT SCALE = 100.0000' / 1".	CHECKED - LP	REVISOR -	REVISOR -			CONTRACT NO. 60Y79				
DATE - 9/15/2016	REVISOR -	REVISOR -	REVISOR -			ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	625
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1
81603047	UNIT DUCT, 600V, 3-1/2 NO.6, 1/2 NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1167
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	3
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	16
83600350	LIGHT POLE FOUNDATION, METAL, 11" BOLT C.ROLE, 8" X 6"	EACH	3
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1
84200804	REMOVAL OF POLE FOUNDATION	EACH	5
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	6
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	12
X8410132	TEMPORARY LIGHTING SYSTEM	LSUM	1
X8410133	REMOVE TEMPORARY LIGHTING SYSTEM	LSUM	1
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	3
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12
X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP - TYPE TC) 2/C NO.10 AND NO.10 GROUND	FOOT	531

- LEGEND**
- EXISTING COM ED POWER POLE
 - ⊗ EXISTING LIGHTING UNIT, PRIVATE
 - RELOCATED LIGHTING UNIT
 - PROPOSED NAPERVILLE COMBO POLE LIGHTING UNIT, 250W HPS, 120V, 45' M.H., 8' MAST ARM
 - EXISTING LIGHTING UNIT TO REMAIN
 - EXISTING LIGHTING UNIT TO BE RELOCATED
 - PROPOSED ELECTRIC HANDHOLE
 - ⊠ EXISTING NAPERVILLE LIGHTING CONTROLLER
 - E EXISTING ELECTRICAL
 - U- 3" RGS CONDUIT, W/1 1/4" UNIT DUCT
 - UD- UNIT DUCT, 600V, 3-1/2 NO. 6, 1/2 NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
 - PROPOSED TEMPORARY WOOD POLE, 60', CLASS 4, W/8' MAST ARM AND 400W HPS LUMINAIRE



- NOTES**
- INSTALL RELOCATED LIGHTING UNIT ON NEW METAL FOUNDATION.
 - INSTALL RELOCATED LIGHTING UNIT ON NEW 24" DIAMETER CONCRETE FOUNDATION. USE OFFSET FOUNDATION WITH ENGINEER'S APPROVAL IF NECESSARY TO AVOID UTILITY CONFLICT.
 - EXISTING LIGHTING UNIT TO BE RELOCATED ACROSS ROAD TO STA. 199+05.
 - SALVAGE BREAKAWAY DEVICES AND REINSTALL AT NEW LOCATION OF LIGHTING UNIT.
 - POWERED FROM UTILITY SERVICE PEDESTAL AT BACK OF PROPERTY.
 - ALL PROPOSED OR RELOCATED LIGHTING UNITS SHALL BE SET BACK 3' FROM FACE OF CURB TO CENTER OF FOUNDATION.



FILE NAME = 140183-W0-5-shft-light-TEMP.dgn
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 PLOT DATE = 1/27/2016

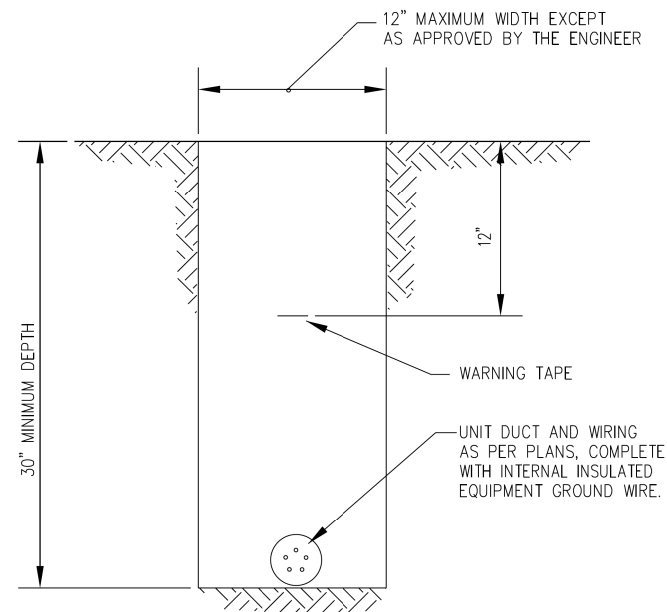
DESIGNED - MWH
 DRAWN - CJC
 CHECKED -
 DATE -

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

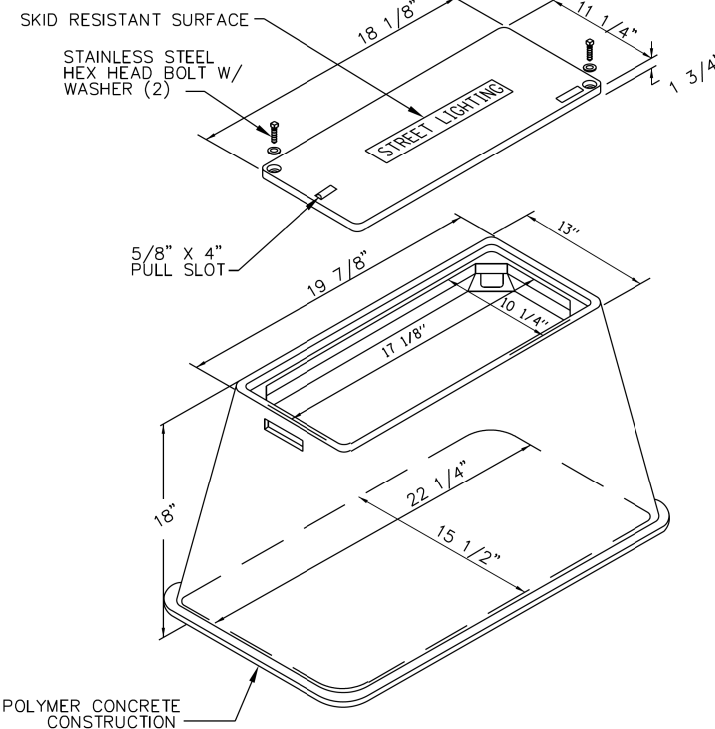
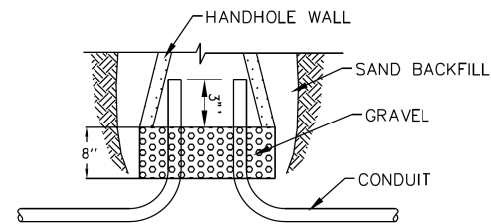
**TEMPORARY ROADWAY LIGHTING PLAN
 US ROUTE 34 (OGDEN AVENUE) AT COLUMBIA STREET**
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	64
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				



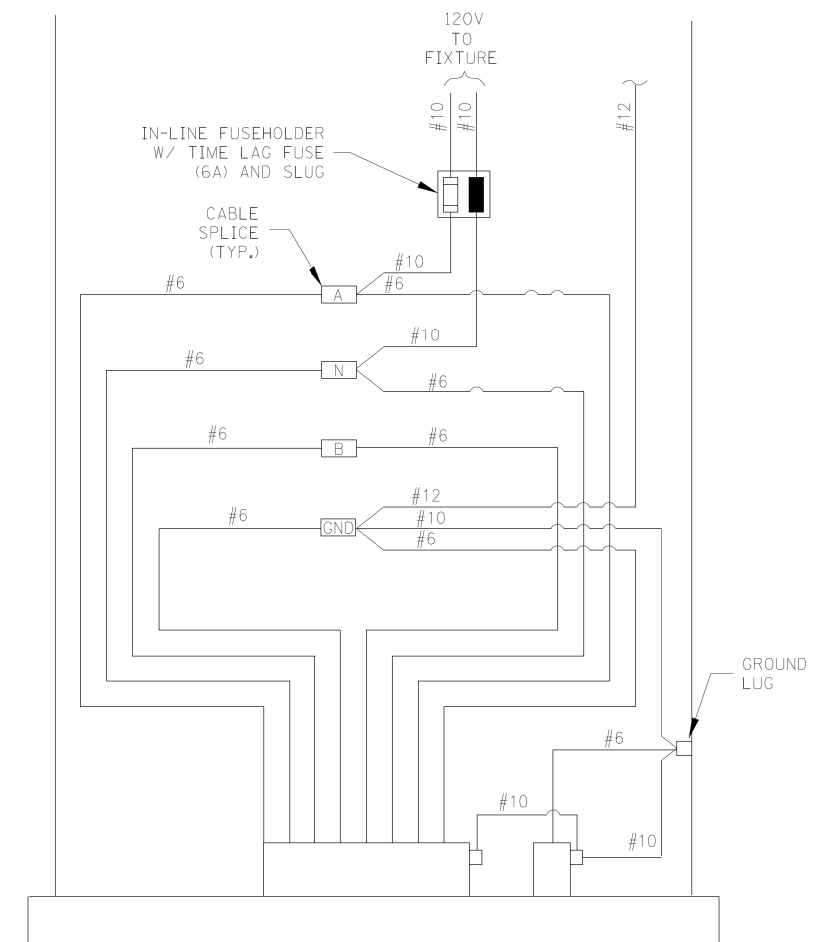
TYPICAL WIRING IN TRENCH DETAIL

NO SCALE

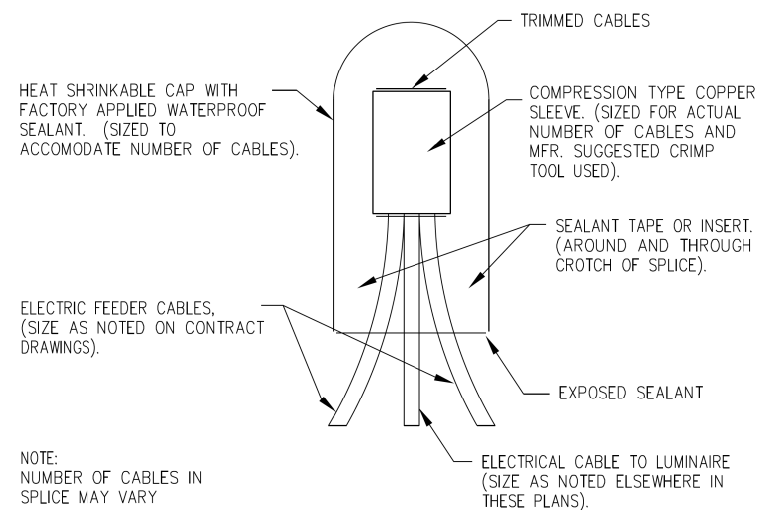


HANDHOLE, COMPOSITE CONCRETE

NO SCALE



POLE BASE WIRING DETAIL
(SINGLE PHASE)



SPlicing ELECTRICAL CABLES
BASIC MATERIALS AND METHODS

NO SCALE

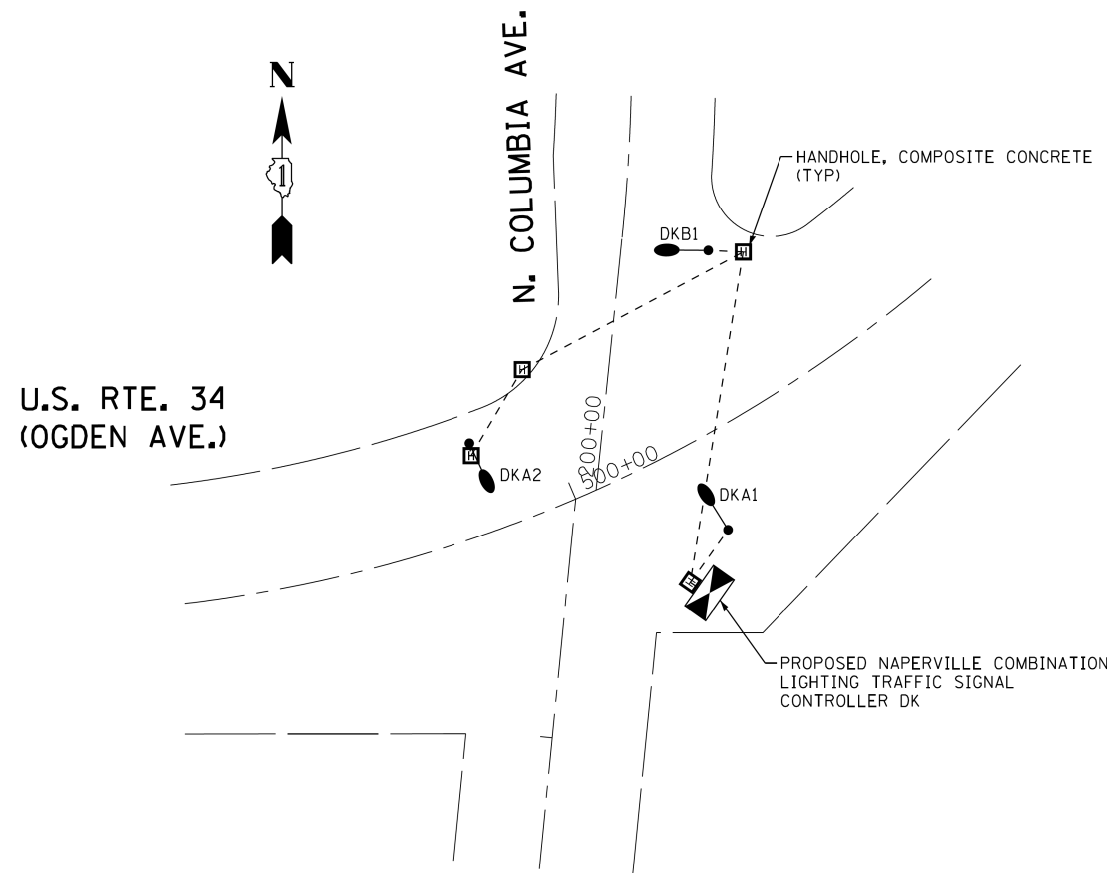
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		DRAWN - CJC	REVISED -
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Default	PLOT DATE = 1/27/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
US ROUTE 34 (OGDEN AVENUE) AT COLUMBIA STREET

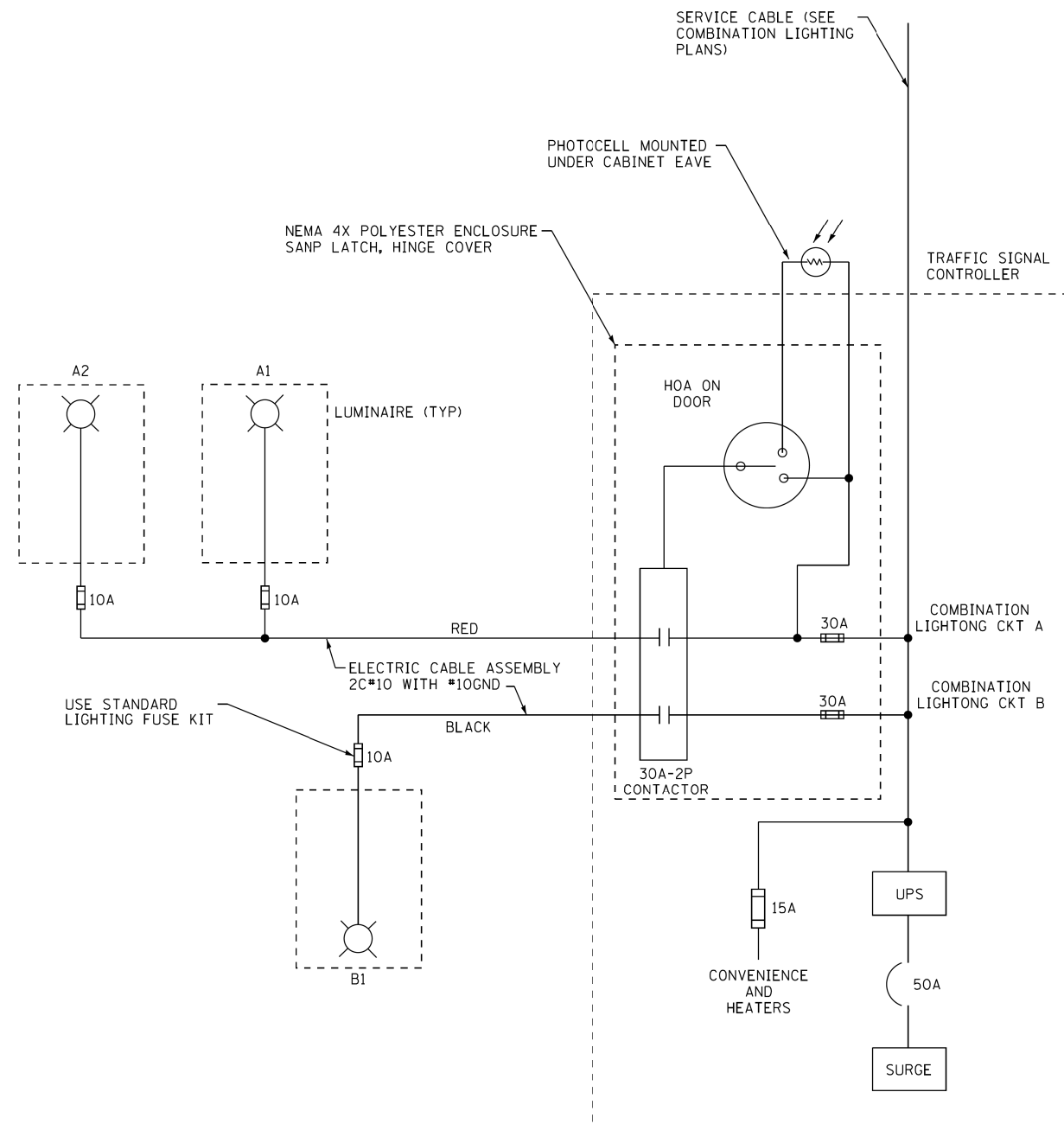
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 311	SECTION 10Y-TS-1	COUNTY DUPAGE	TOTAL SHEETS 100	SHEET NO. 65
CONTRACT NO. 60Y79				ILLINOIS FED. AID PROJECT



COMBINATION LIGHTING/TRAFFIC POLE
LIGHTING CIRCUIT DESIGNATIONS

NOT TO SCALE



NOTES:

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. ALL CONTROLLERS TO HAVE TWO FUSED LIGHTING BRANCH CIRCUITS.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. LIGHTING CONTROLLER DESIGNATIONS SHALL BE CONFIRMED WITH THE ENGINEER.
8. RECORD DRAWING SHALL INCLUDE:
TRAFFIC SIGNAL PLAN SHEET(S)
TRAFFIC SIGNAL CABLE PLAN SHEET(S)
LIGHTING PLANS
THIS DETAIL
9. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.

FILE NAME = 140183-W0-5-shit-lighting-diagram.dgn	USER NAME = 418cjd	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20,0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/27/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

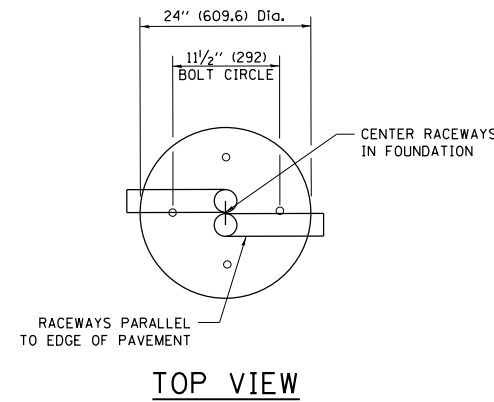
COMBINATION LIGHTING TRAFFIC SIGNAL SCHEMATIC
US ROUTE 34 (OGDEN AVENUE) AT COLUMBIA STREET

SCALE: 1"=100' SHEET OF SHEETS STA. TO STA.

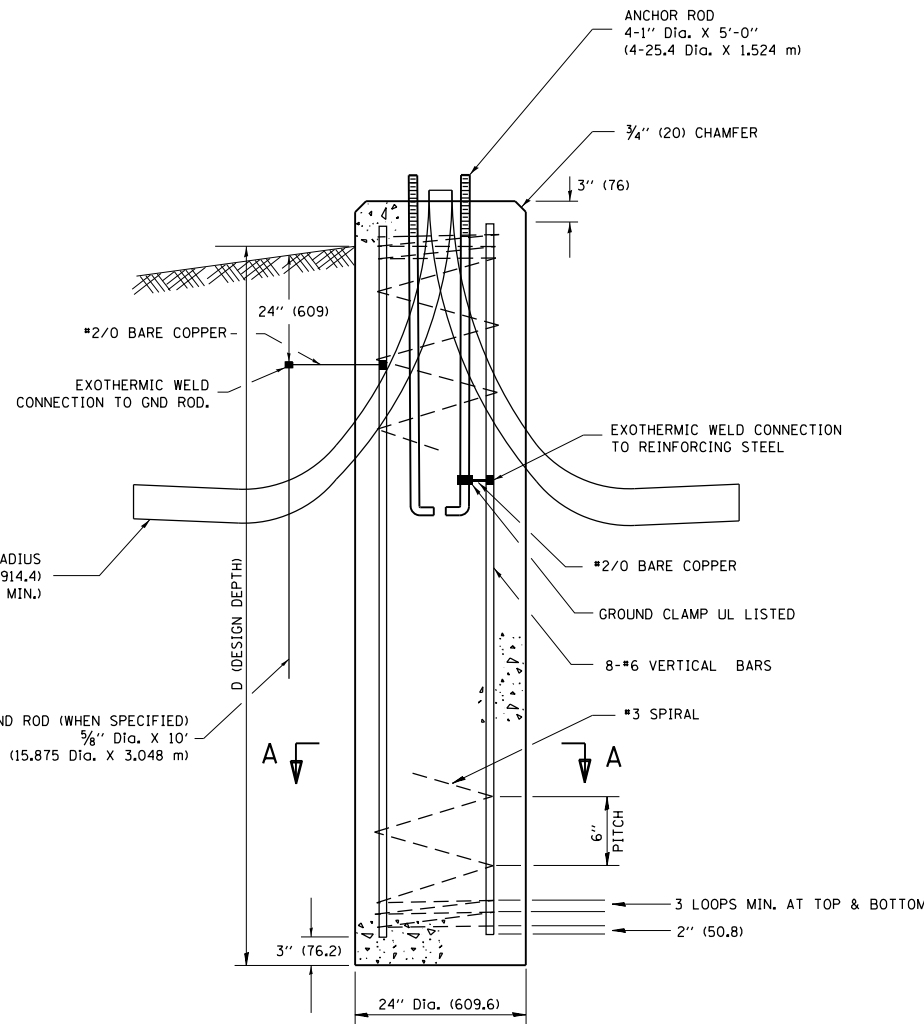
F.A.P. RTE. 311	SECTION 10Y-TS-1	COUNTY	TOTAL SHEETS 100	SHEET NO. 66
DUPAGE			CONTRACT NO. 60Y79	
ILLINOIS FED. AID PROJECT				

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

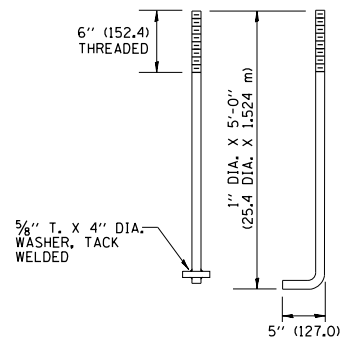
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O _u = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY O _u = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY O _u = 1.50 TON/SO. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



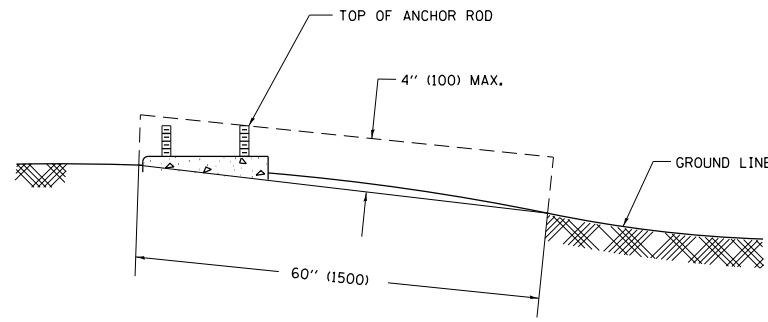
TOP VIEW



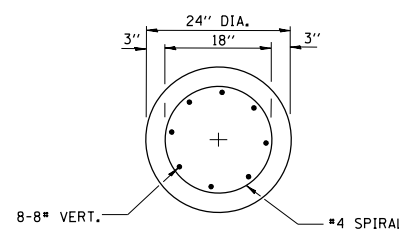
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



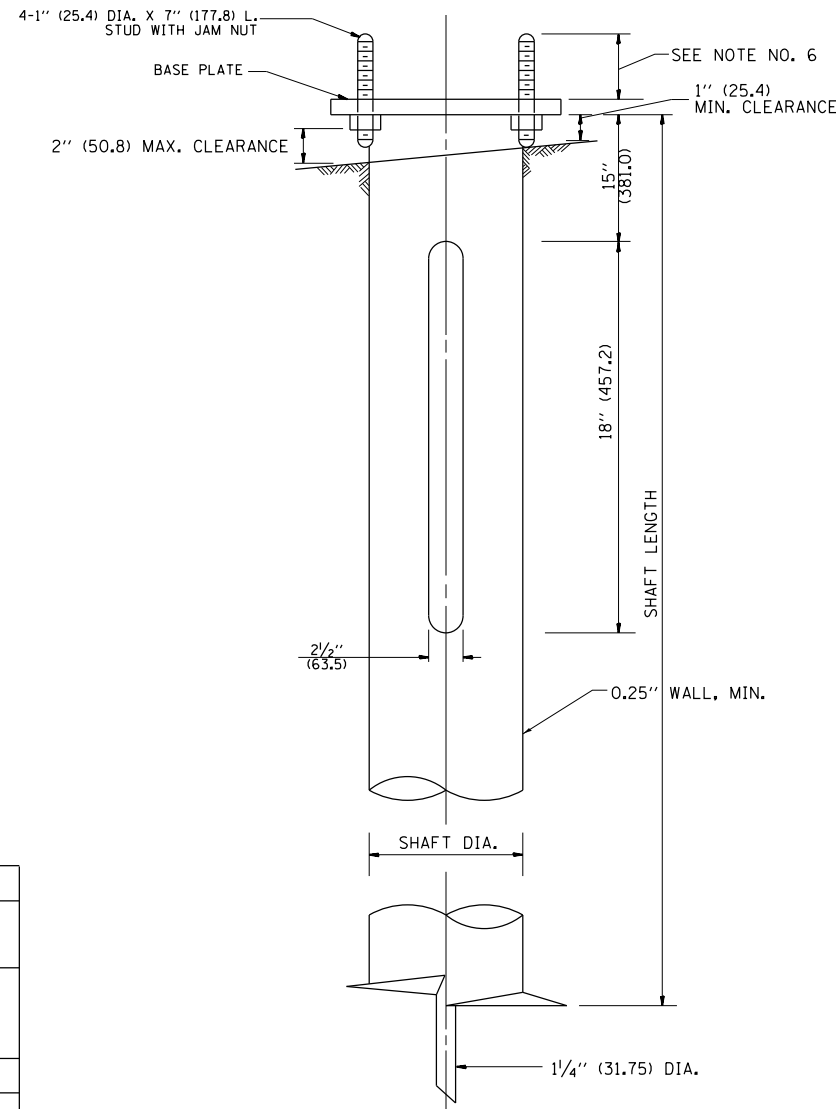
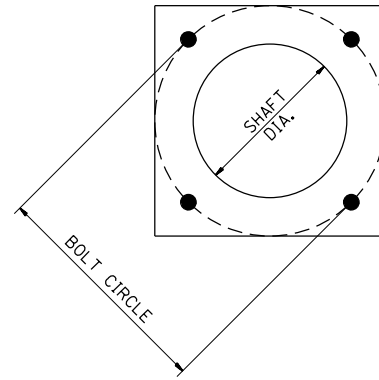
FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



HELIX FOUNDATION SIZE

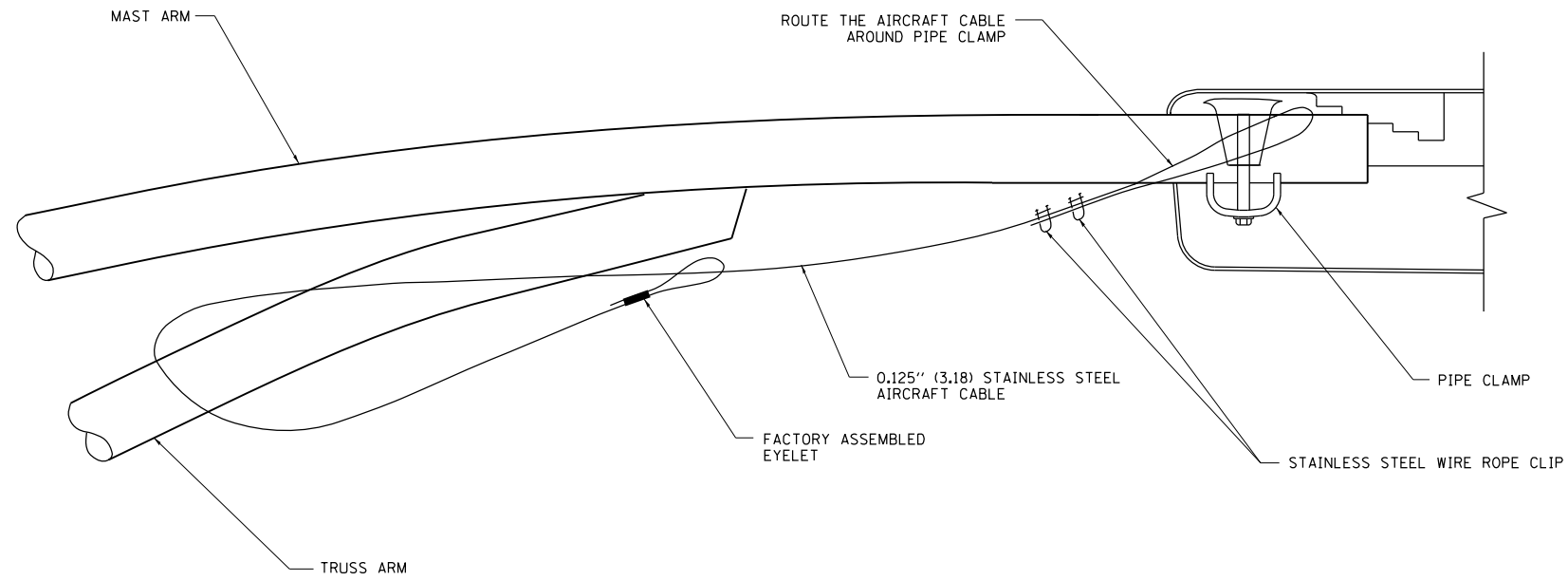
POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	1 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	1 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

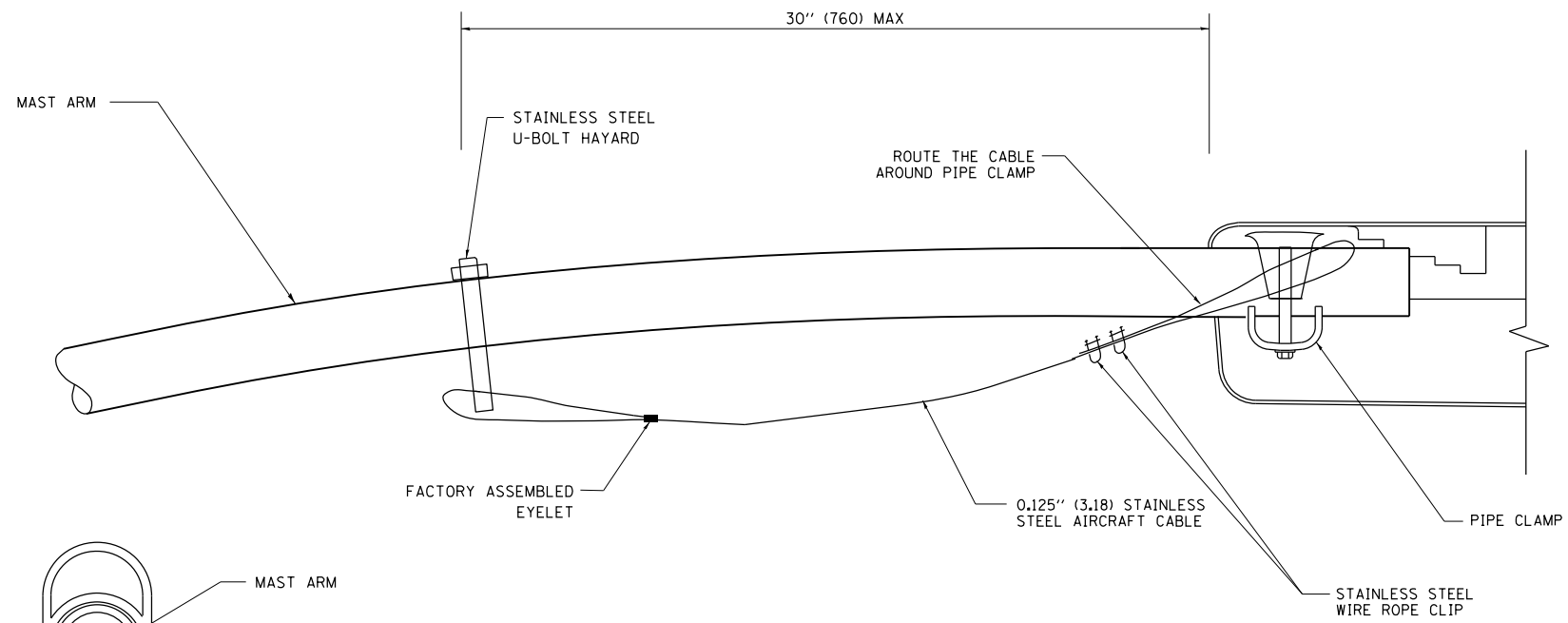
ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

NOTES:

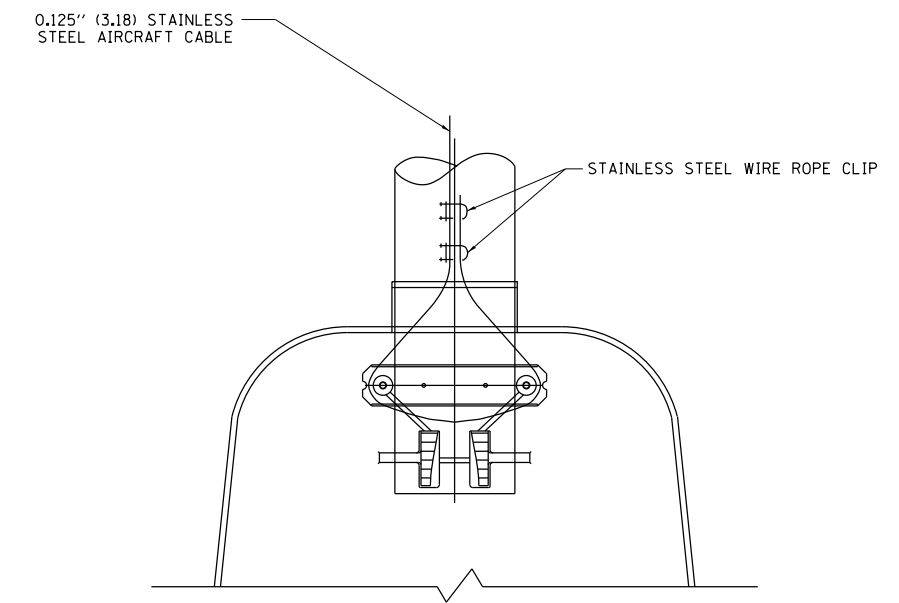
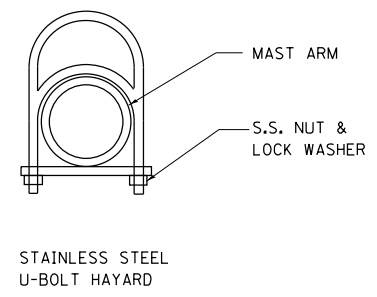
1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.



SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

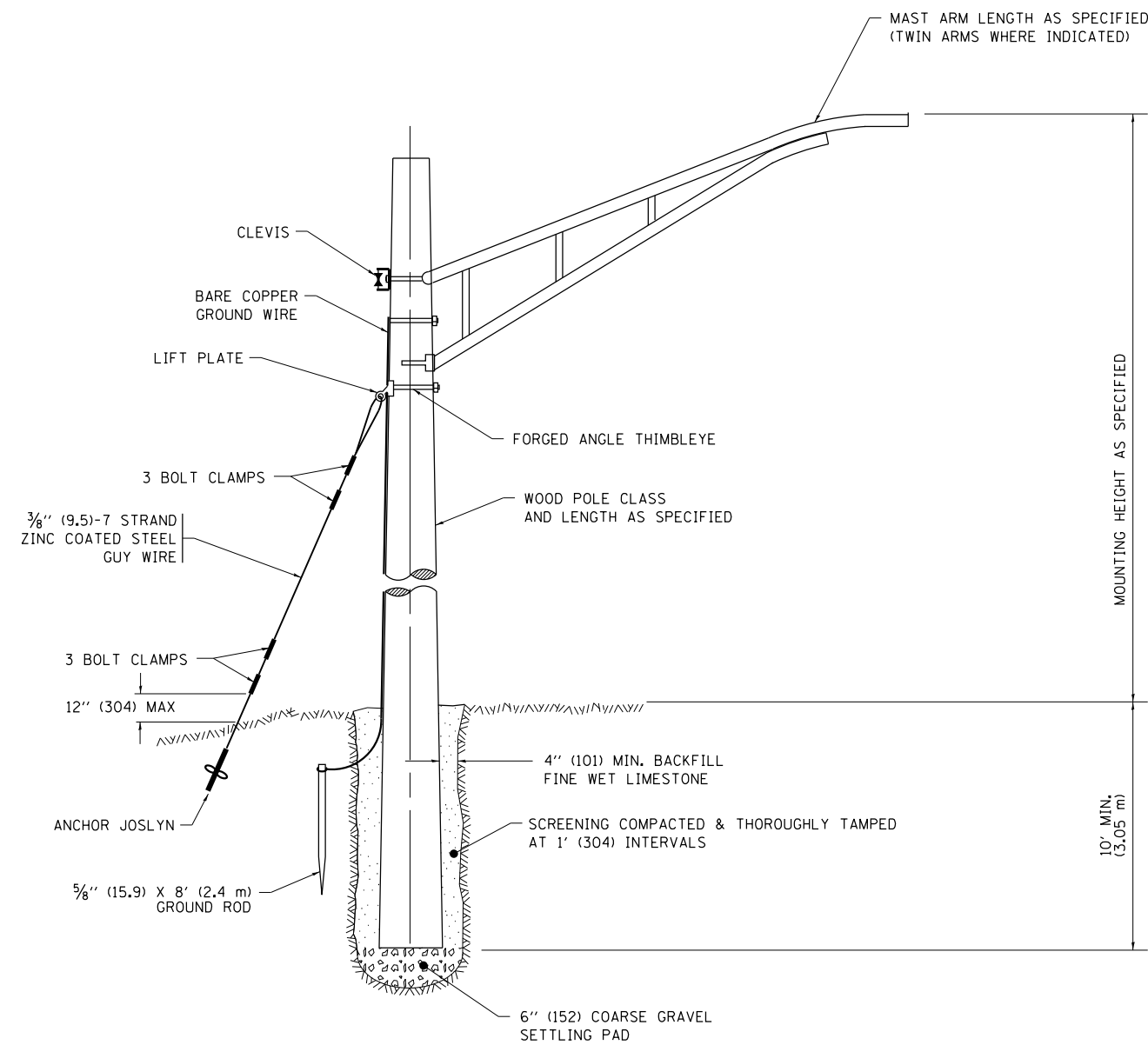


BOTTOM VIEW
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

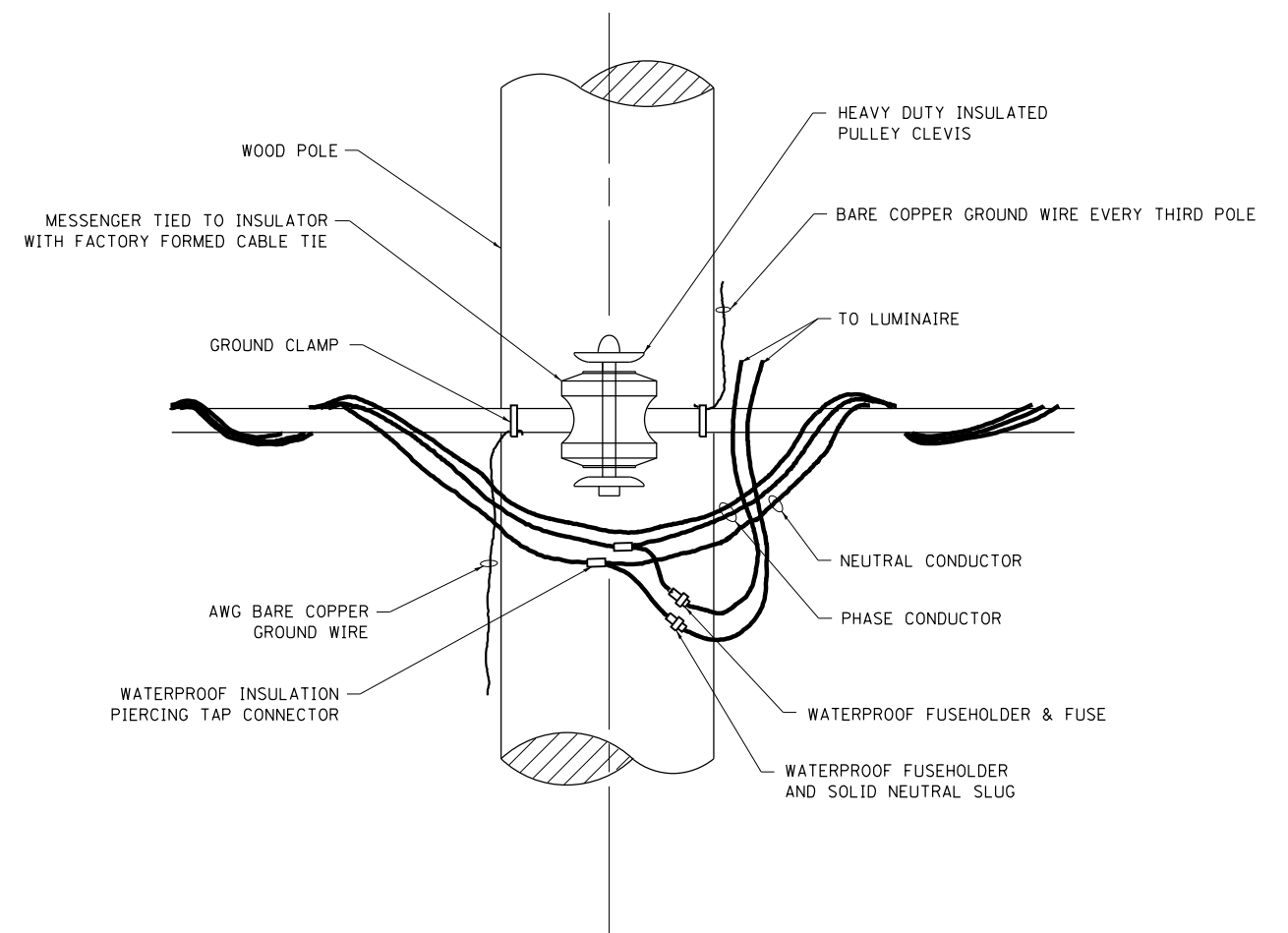
FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LUMINAIRE SAFETY CABLE ASSEMBLY			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI1421\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -					311	10Y-TS-1	DuPAGE	100	69
PLOT DATE = 5/16/2017	DATE -	REVISED -	REVISED -					BE-701		CONTRACT NO. 60Y79		
								SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



TEMPORARY LIGHT POLE DETAIL

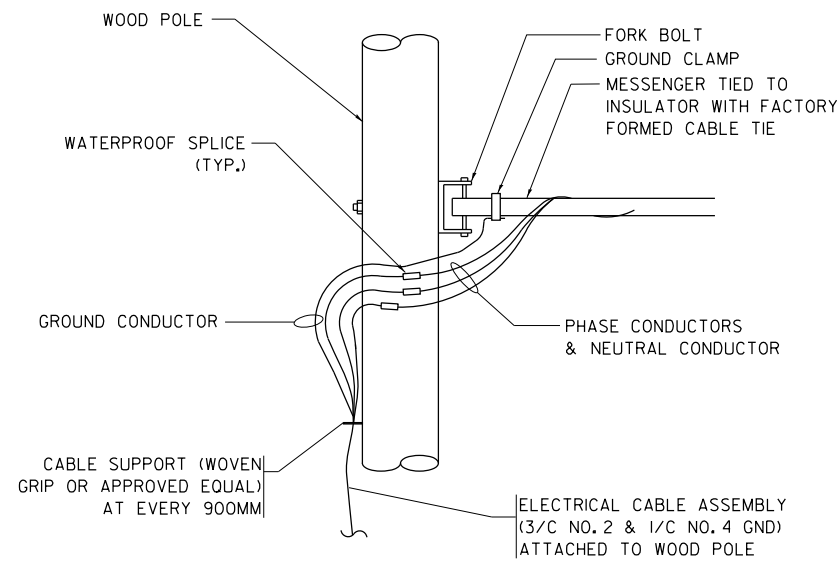
NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

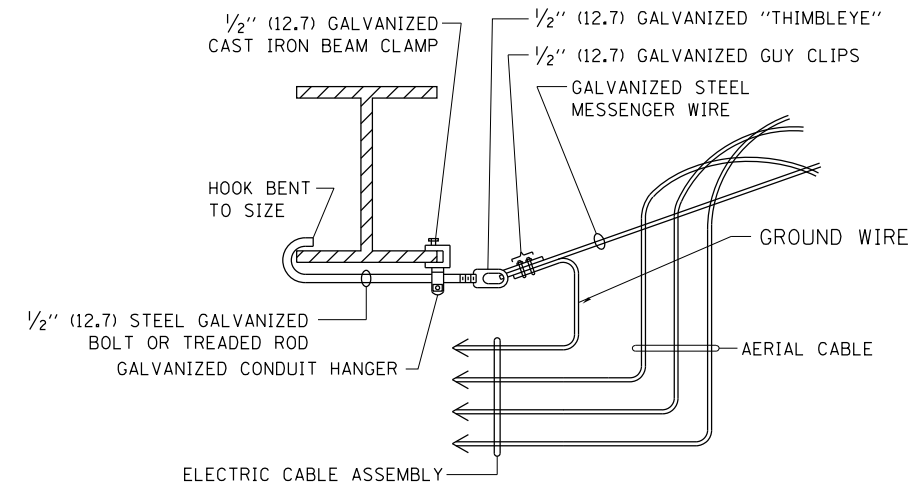


TEMPORARY LIGHT POLE ATTACHMENT DETAIL

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		BE-800			CONTRACT NO. 60Y79				
	PLOT DATE = 5/16/2017		REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



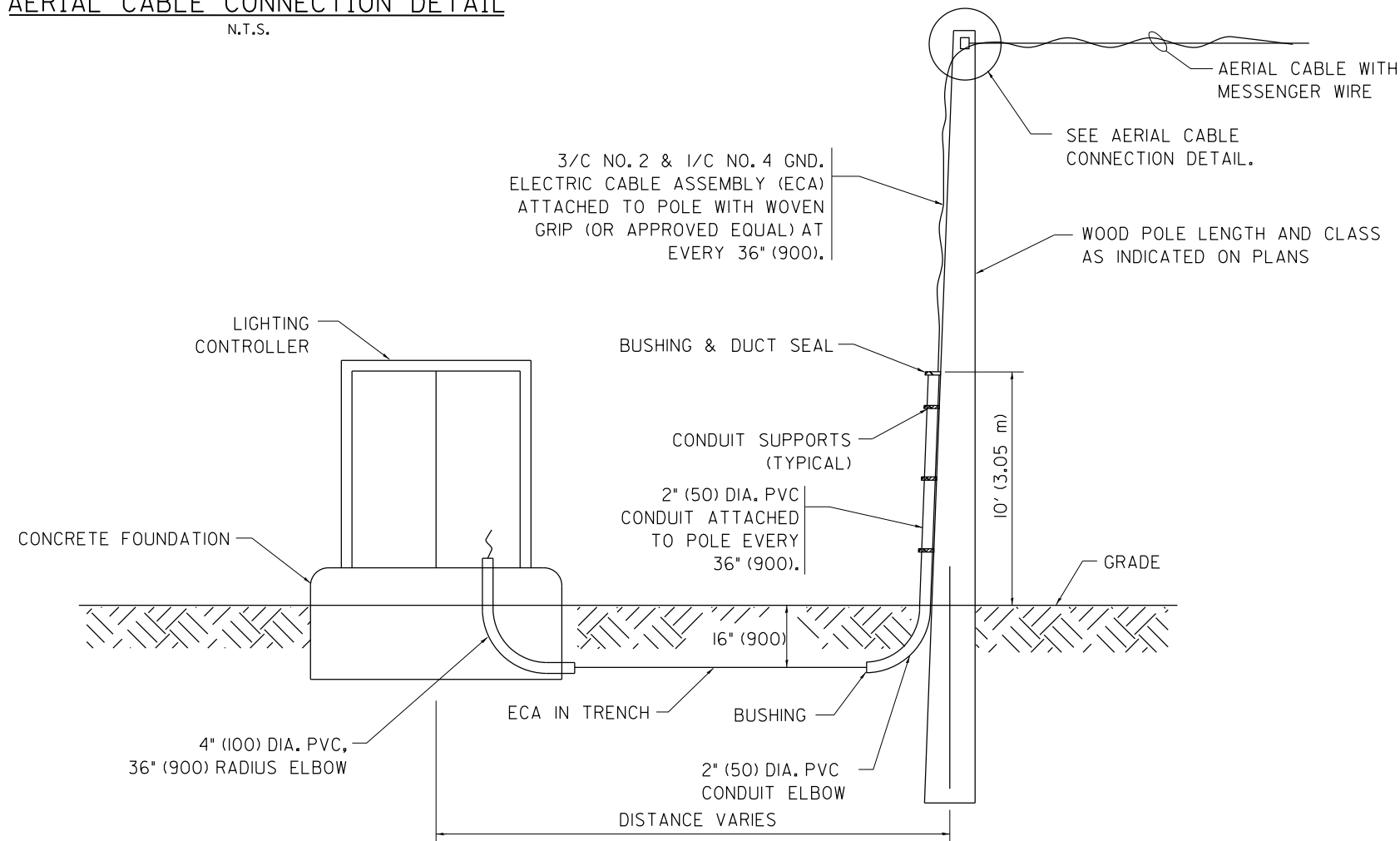
AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE

NOTES:


1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

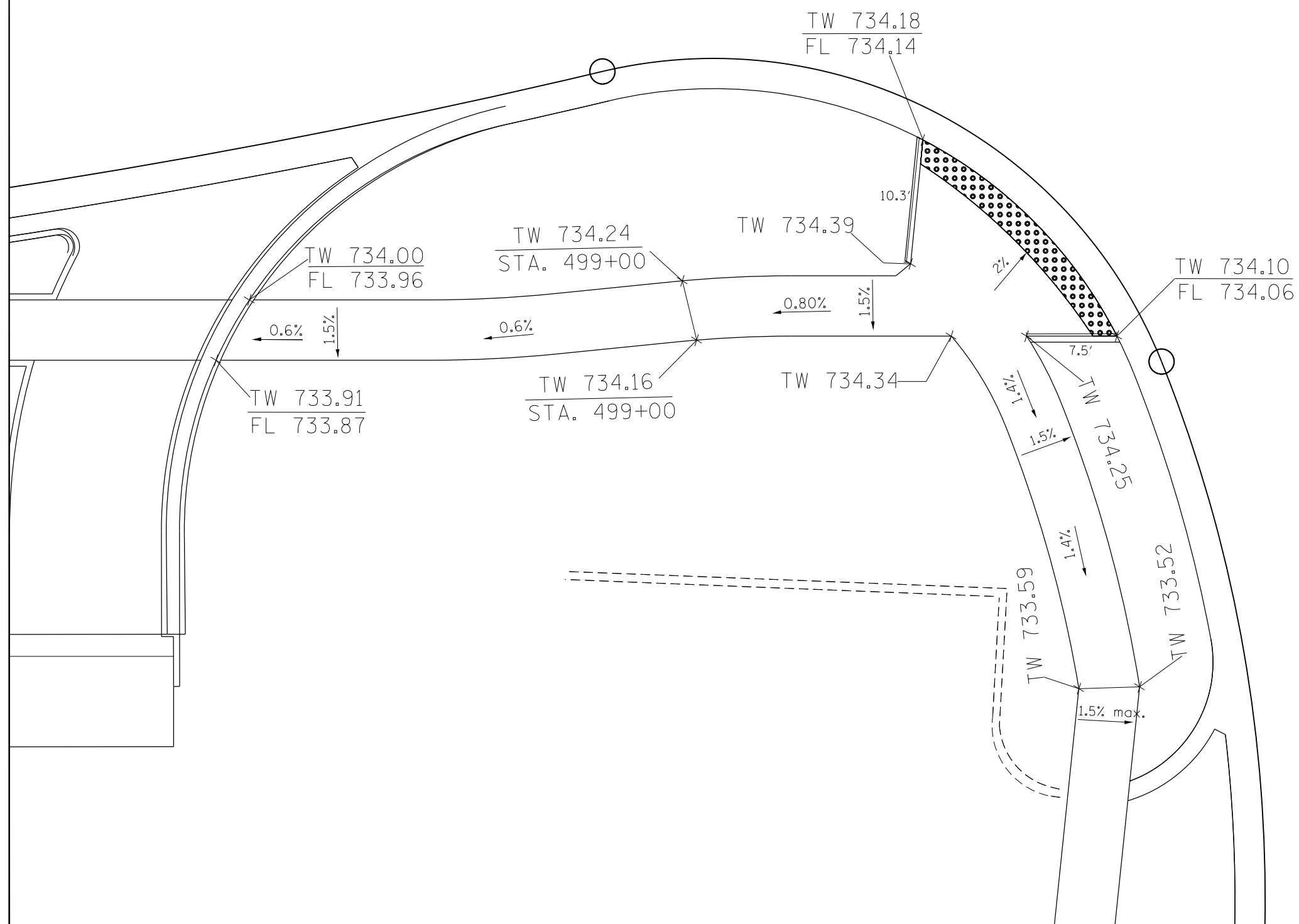


WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL
N.T.S.

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY AERIAL CABLE INSTALLATION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI1421\Drawings\Design\DistStd.dgn			REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	311	10Y-TS-1	DuPAGE	100	71
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	PLOT DATE = 5/16/2017	DATE -	REVISED -		<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>								



-  DETECTABLE WARNINGS
- TW TOP OF WALK
PROPOSED ELEVATION
- TC TOP OF CURB
PROPOSED ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- × PROPOSED POINT ELEVATION



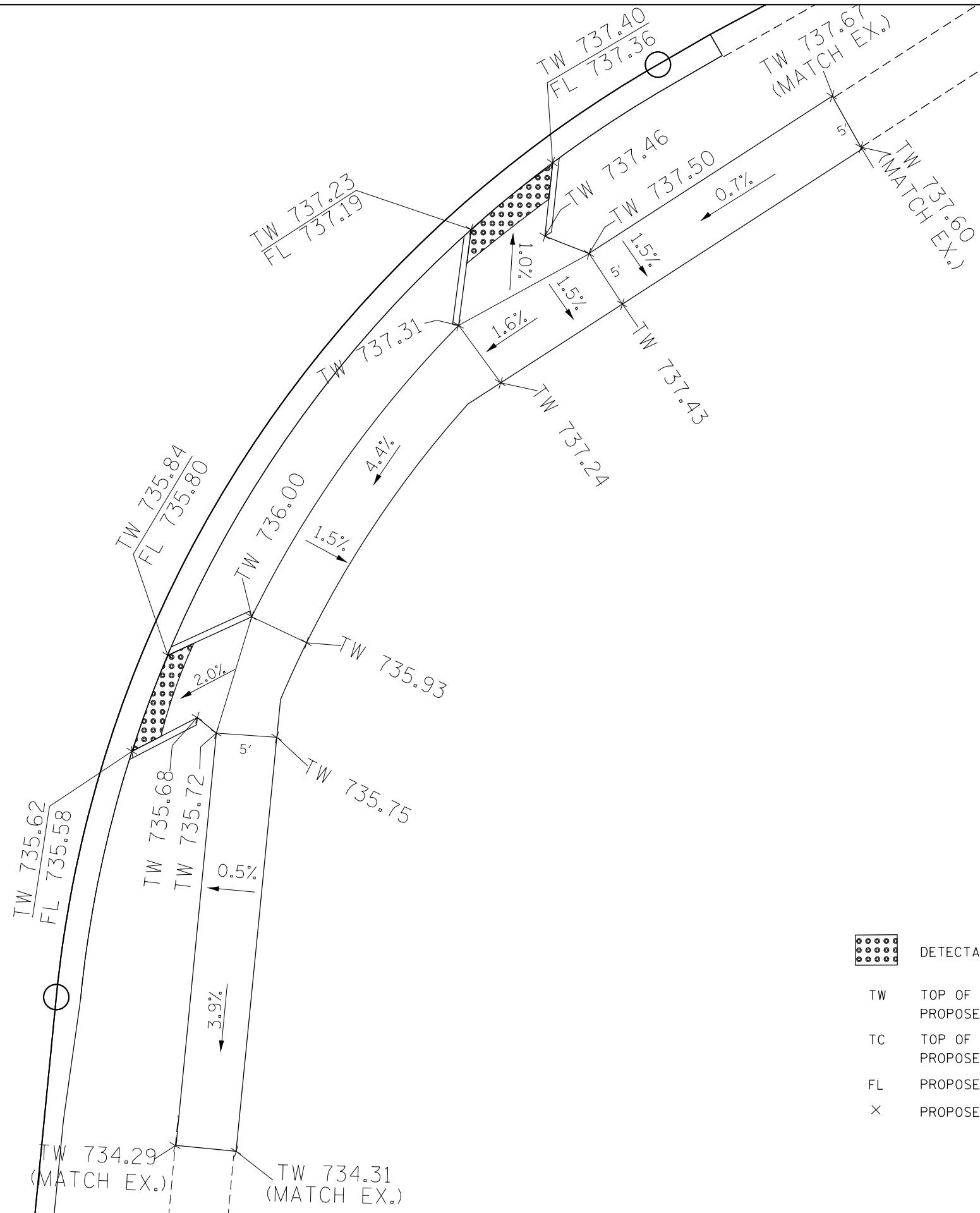
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	PLOT DATE = 5/16/2017	DATE -	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK DETAILS (SOUTHWEST CORNER)
US RTE 34 AT COLUMBIA STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1		100	72
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	



-  DETECTABLE WARNINGS
- TW TOP OF WALK PROPOSED ELEVATION
- TC TOP OF CURB PROPOSED ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- × PROPOSED POINT ELEVATION

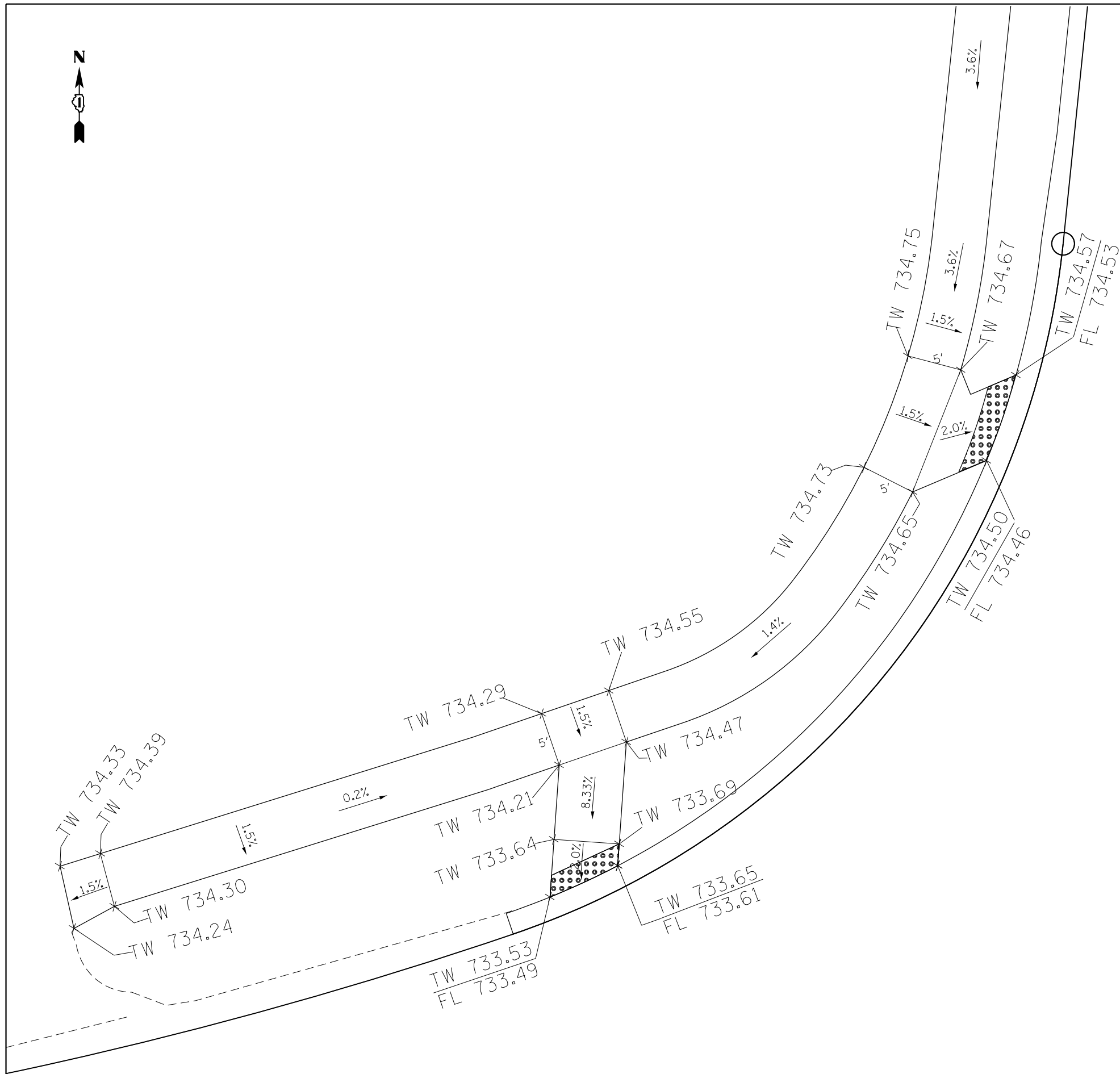
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/16/2017	DATE -	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA SIDEWALK DETAILS (SOUTHEAST CORNER)
US RTE 34 AT COLUMBIA STREET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1		100	73
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	



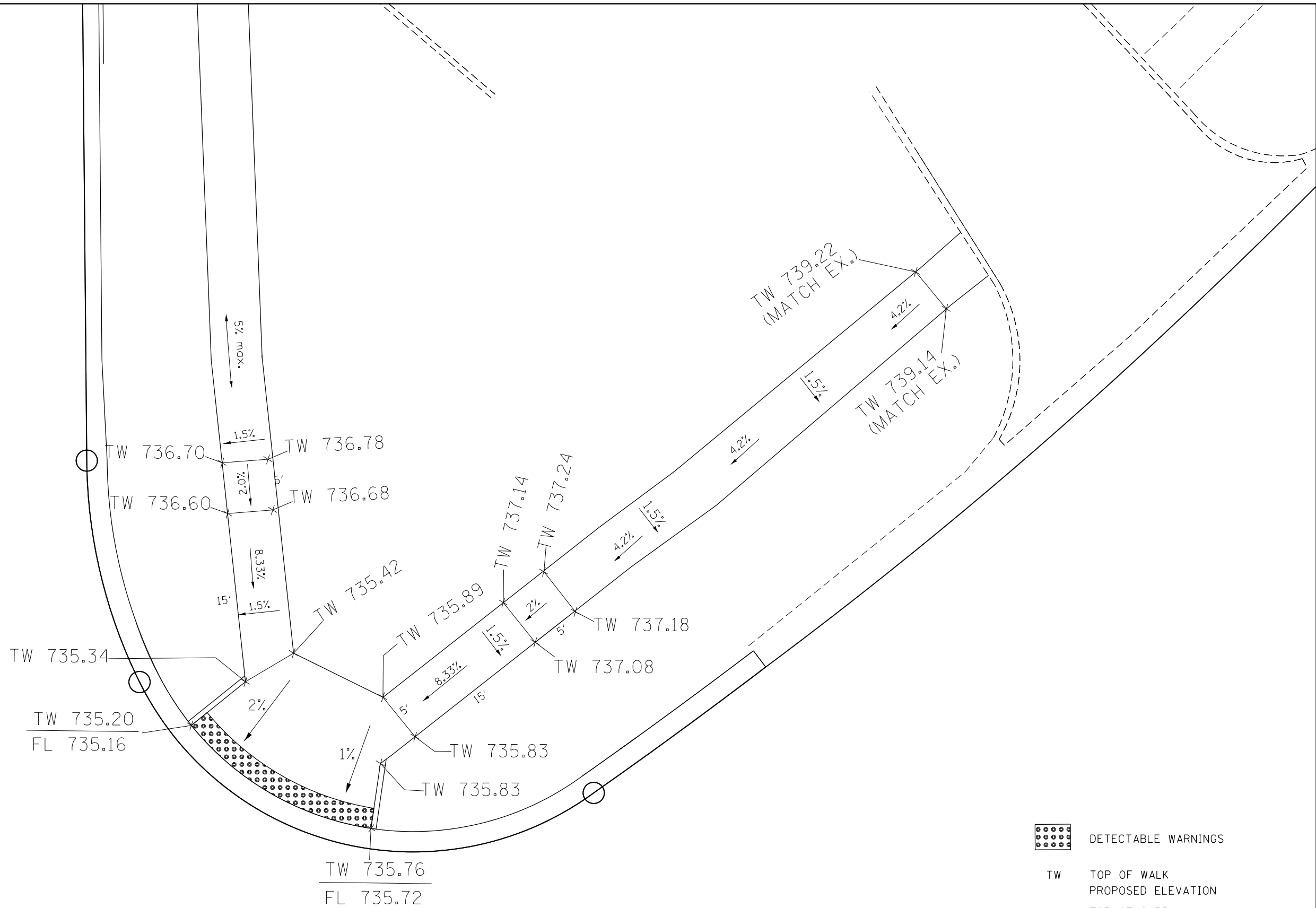
-  DETECTABLE WARNINGS
- TW TOP OF WALK PROPOSED ELEVATION
- TC TOP OF CURB PROPOSED ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- x PROPOSED POINT ELEVATION

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -
p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI14212\Drawings\Design\PI14212-sh-t-schedule.dgn		REVISOR -	REVISOR -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/16/2017	DATE -	REVISED -

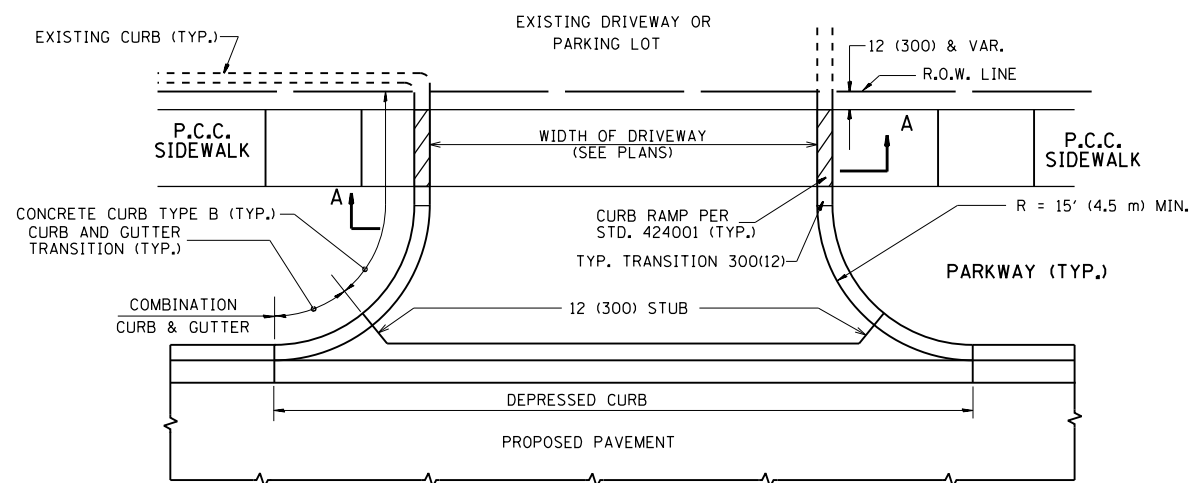
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA SIDEWALK DETAILS (NORTHWEST CORNER)			
US RTE 34 AT COLUMBIA STREET			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

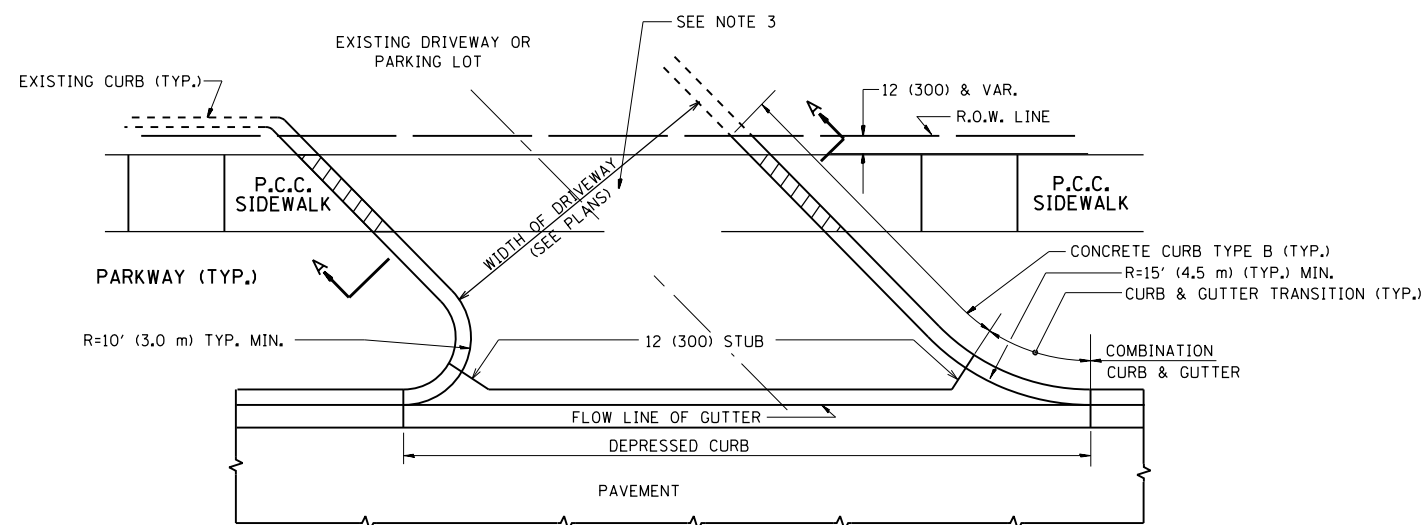
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1		100	74
				CONTRACT NO. 60Y79
ILLINOIS FED. AID PROJECT				



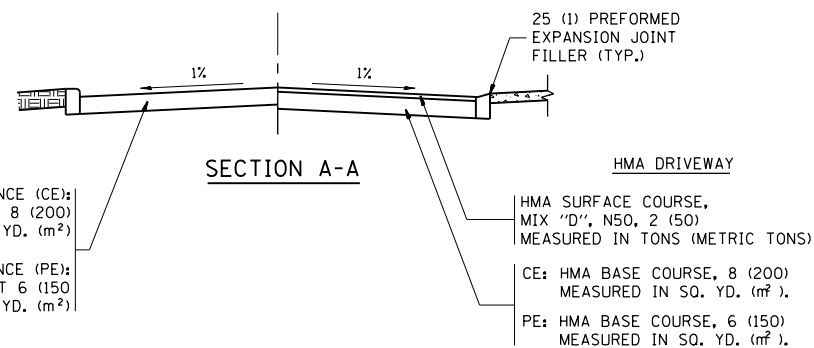
FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA SIDEWALK DETAILS (NORTHEAST CORNER) US RTE 34 AT COLUMBIA STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI14212\Drawings\Design\PI14212-sh-t-schedule.dgn	PI14212\Drawings\Design\PI14212-sh-t-schedule.dgn	REVISED -	REVISED -			311	10Y-TS-1	DUPAGE	100	75	
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y79					
	PLOT DATE = 5/16/2017	DATE -	REVISED -			SCALE:		ILLINOIS FED. AID PROJECT			



WITH CONCRETE CURB, TYPE B

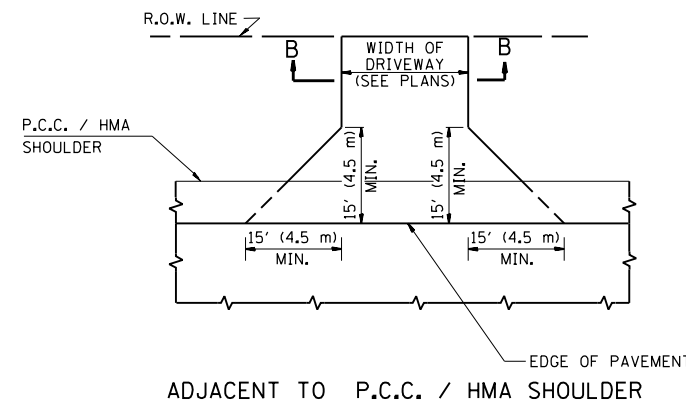


WITH CONCRETE CURB, TYPE B

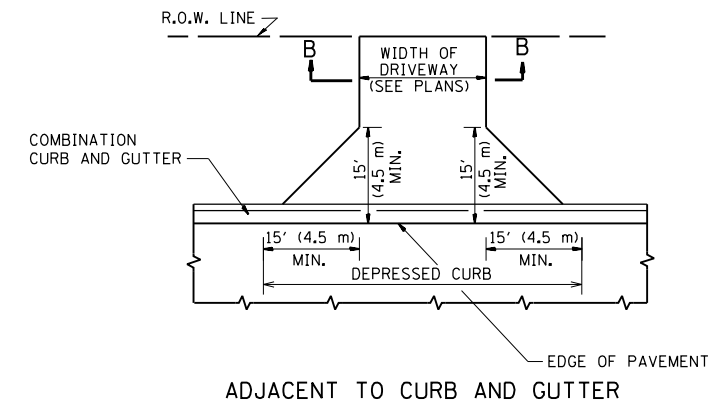


RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

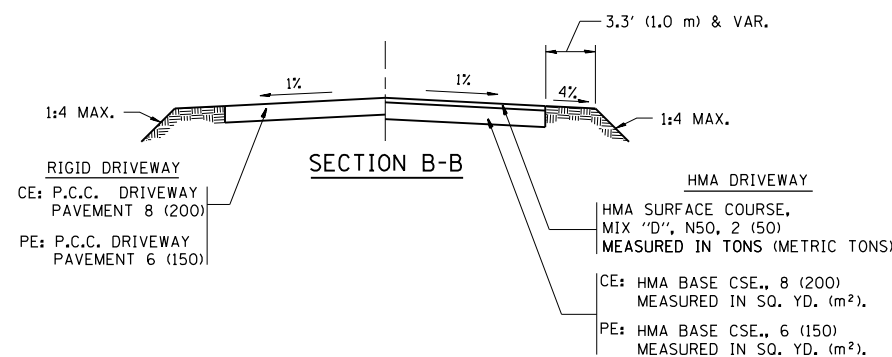
HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

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

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

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

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

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

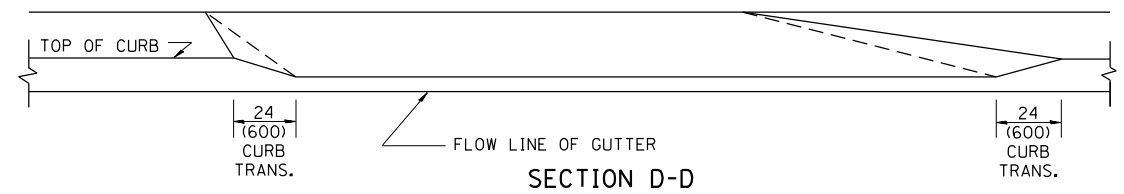
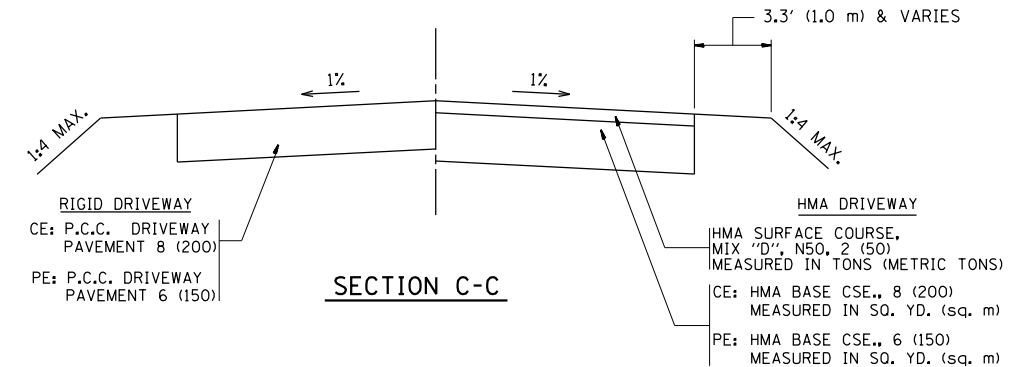
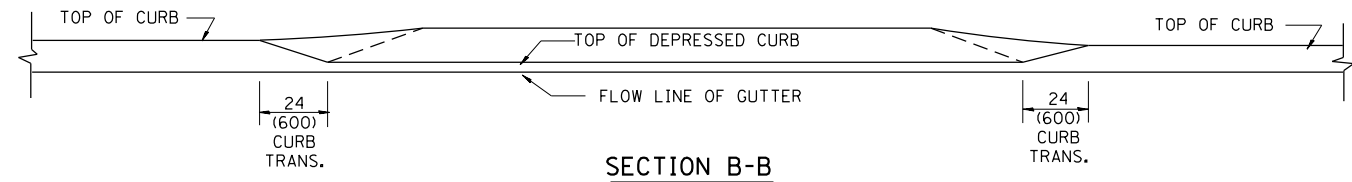
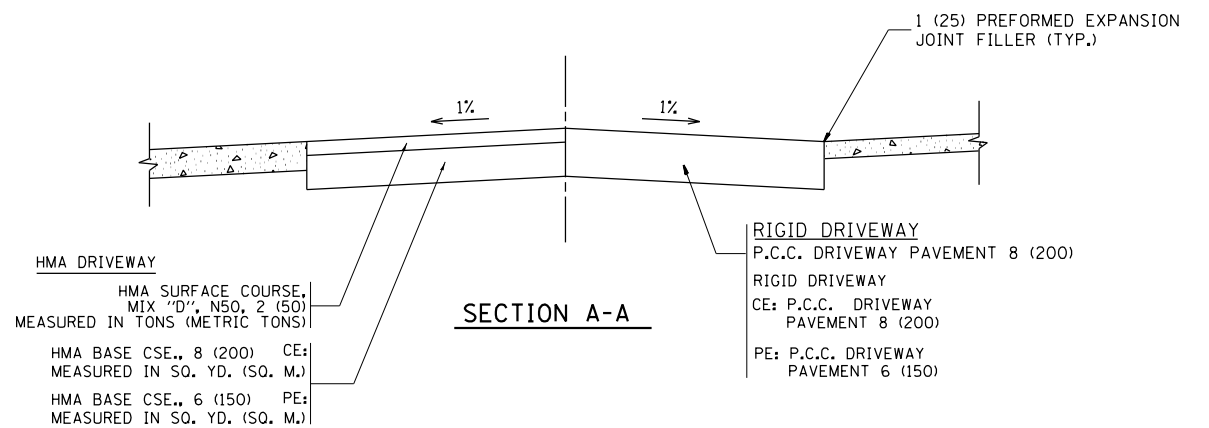
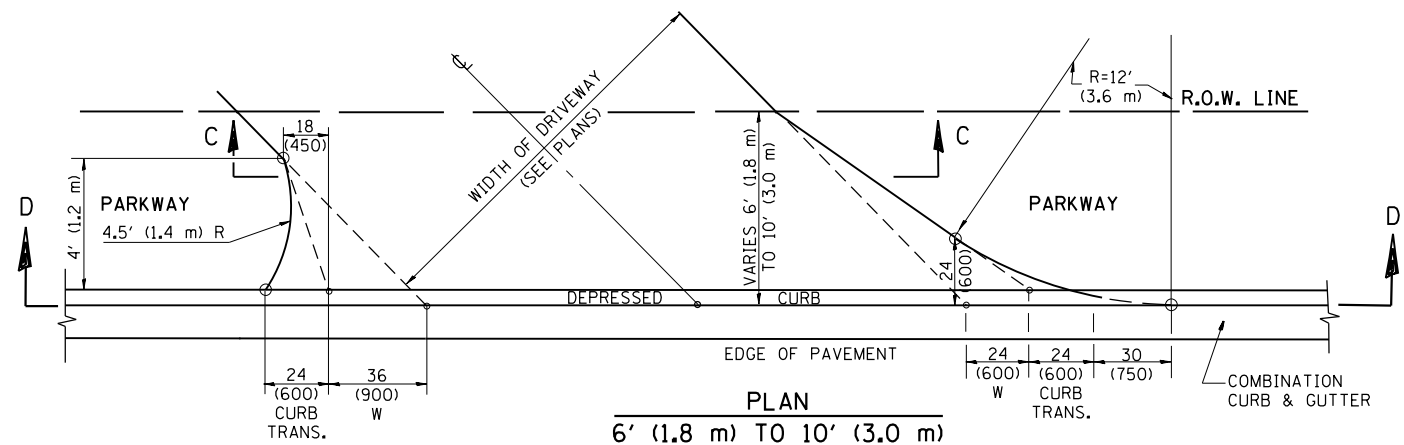
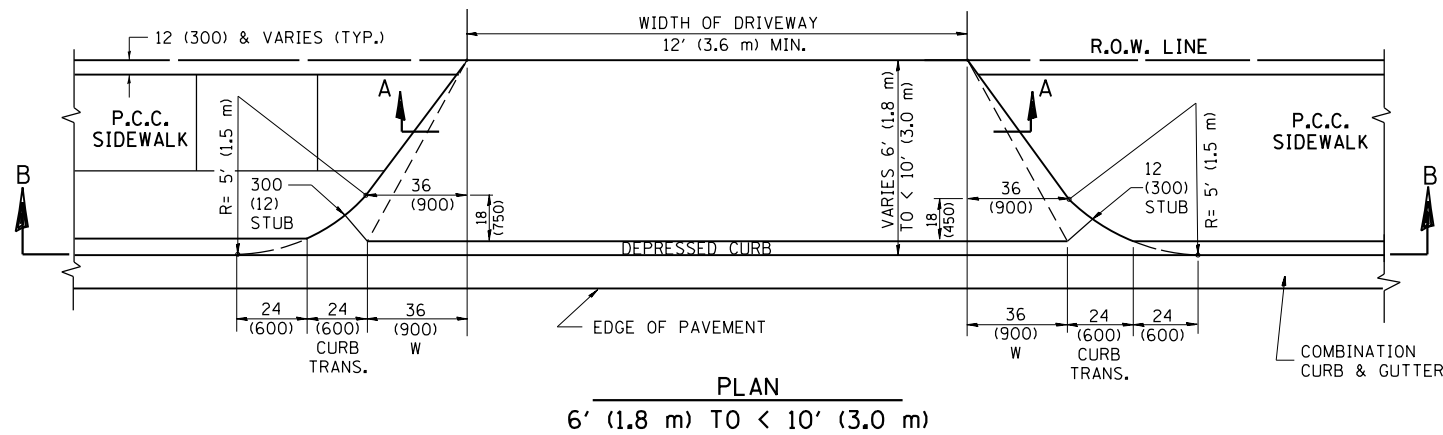
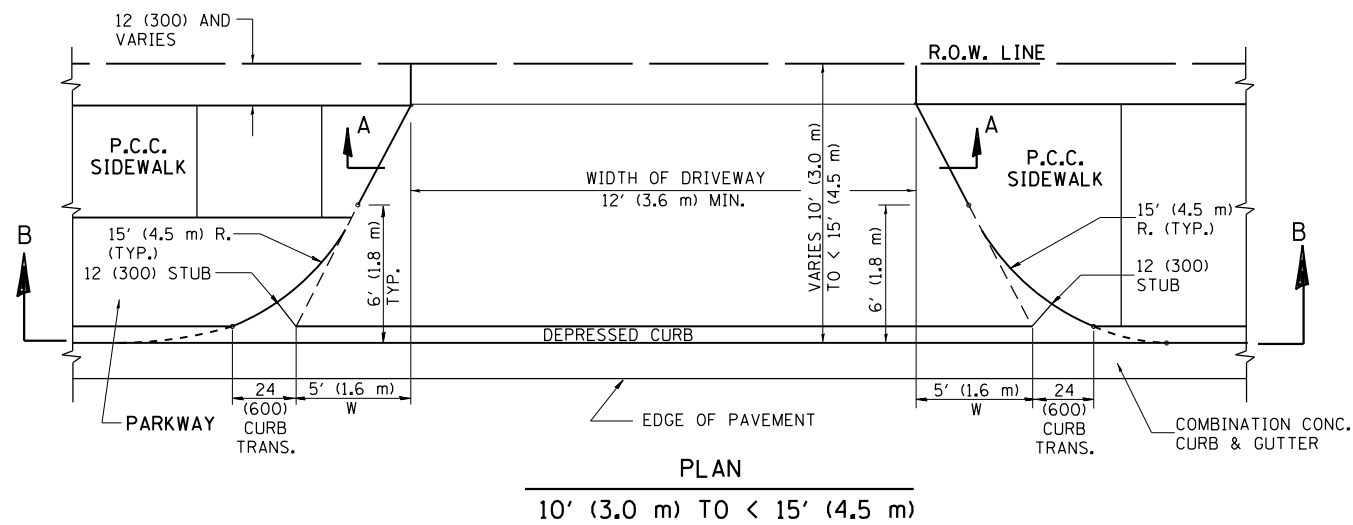
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = josephm	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI1421\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-04-95	REVISED - R. BORO 06-11-08
			REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 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.
311	10Y-TS-1	DuPAGE	100	76
BD0156-07 (BD-01)			CONTRACT NO. 60Y79	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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).

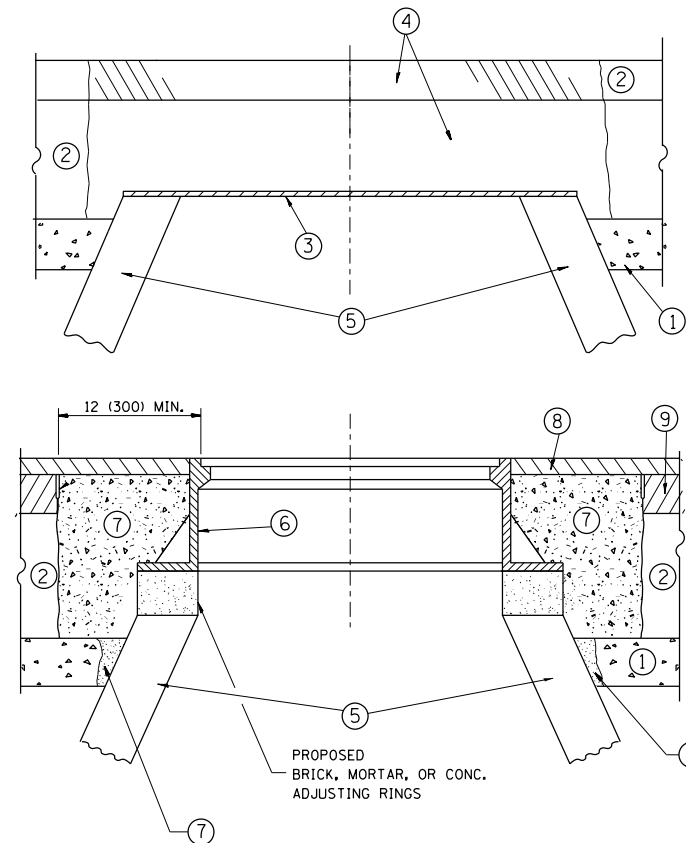
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = josephm	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
pw\1\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI14\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - P. LaFLEUR 04-15-03
PLOT SCALE = 100.0002' / 1"		DATE - 11-06-95	REVISED - R. BORO 01-01-07
PLOT DATE = 5/16/2017			REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	77
BD400-02 (BD-02)			CONTRACT NO. 60Y79	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

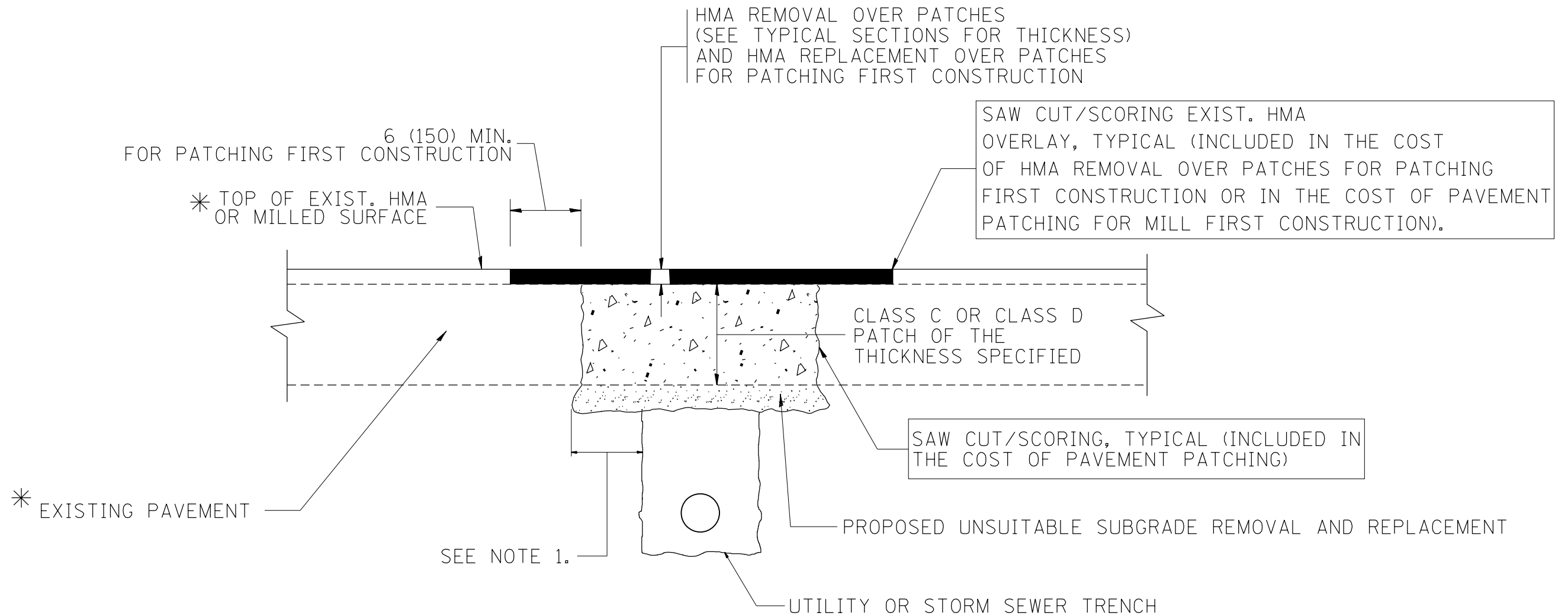
FILE NAME =	USER NAME = josephm	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI1421\Drawings\Design\DistStd.dgn			REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 03-09-11
		DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	78
BD600-03 (BD-8)		CONTRACT NO. 60Y79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME =	USER NAME = josephm	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI1421\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					311	10Y-TS-1	DuPAGE	100	79
PLOT DATE = 5/16/2017	DATE - 10-25-94	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			BD400-04 (BD-22)		CONTRACT NO. 60Y79		
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

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

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

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

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

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

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

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

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

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

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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

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

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

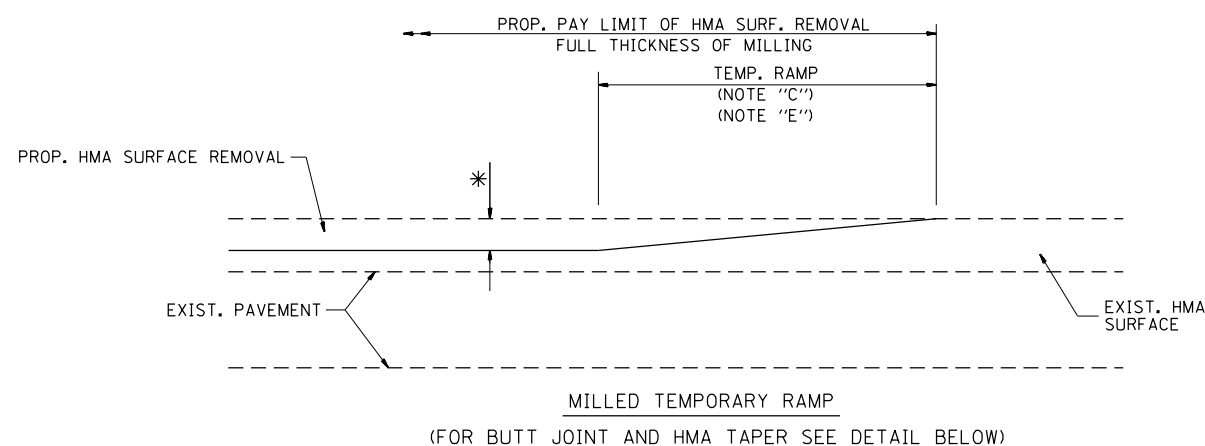
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

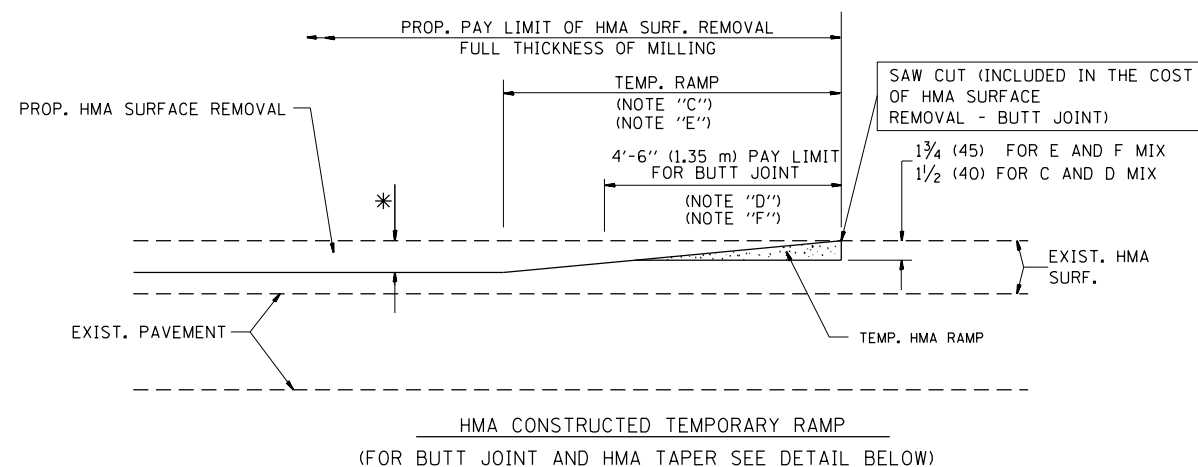
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = josephm	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI1421\Drawings\Design\DistStd.dgn		REVISIONS	REVISED - A. ABBAS 03-21-97			311	10Y-TS-1	DuPAGE	100	80
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 01-22-01				BD600-06 (BD-24)		CONTRACT NO. 60Y79		
PLOT DATE = 5/16/2017	DATE - 03-11-94	REVISED - R. BORO 12-15-09	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

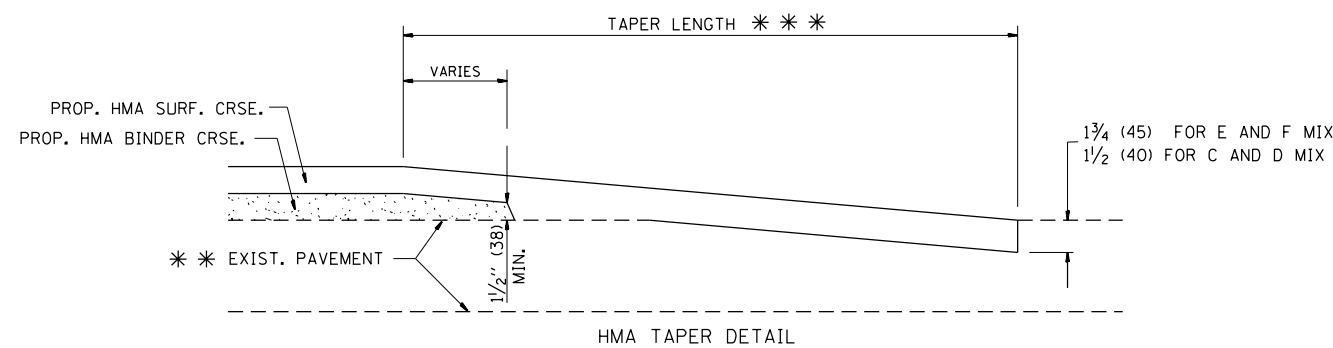
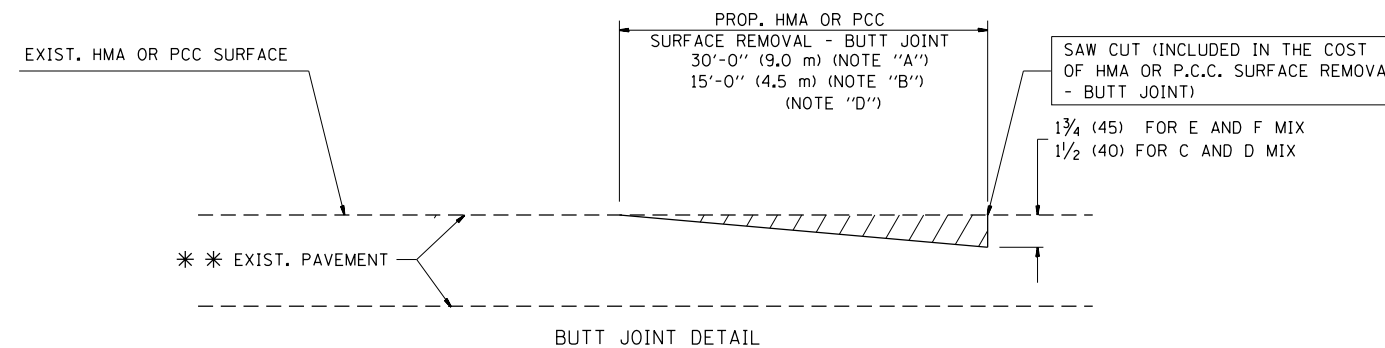


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



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".

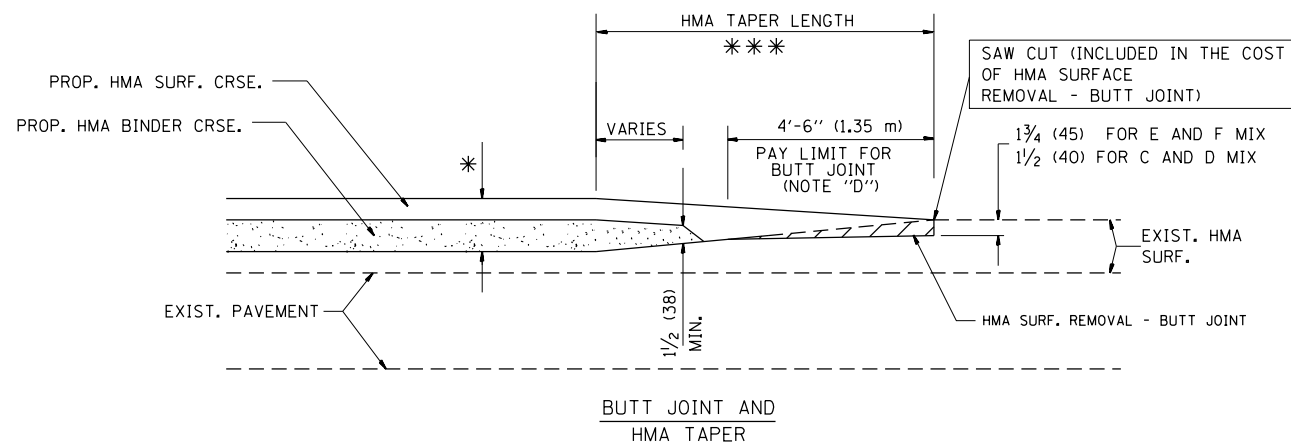
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 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.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

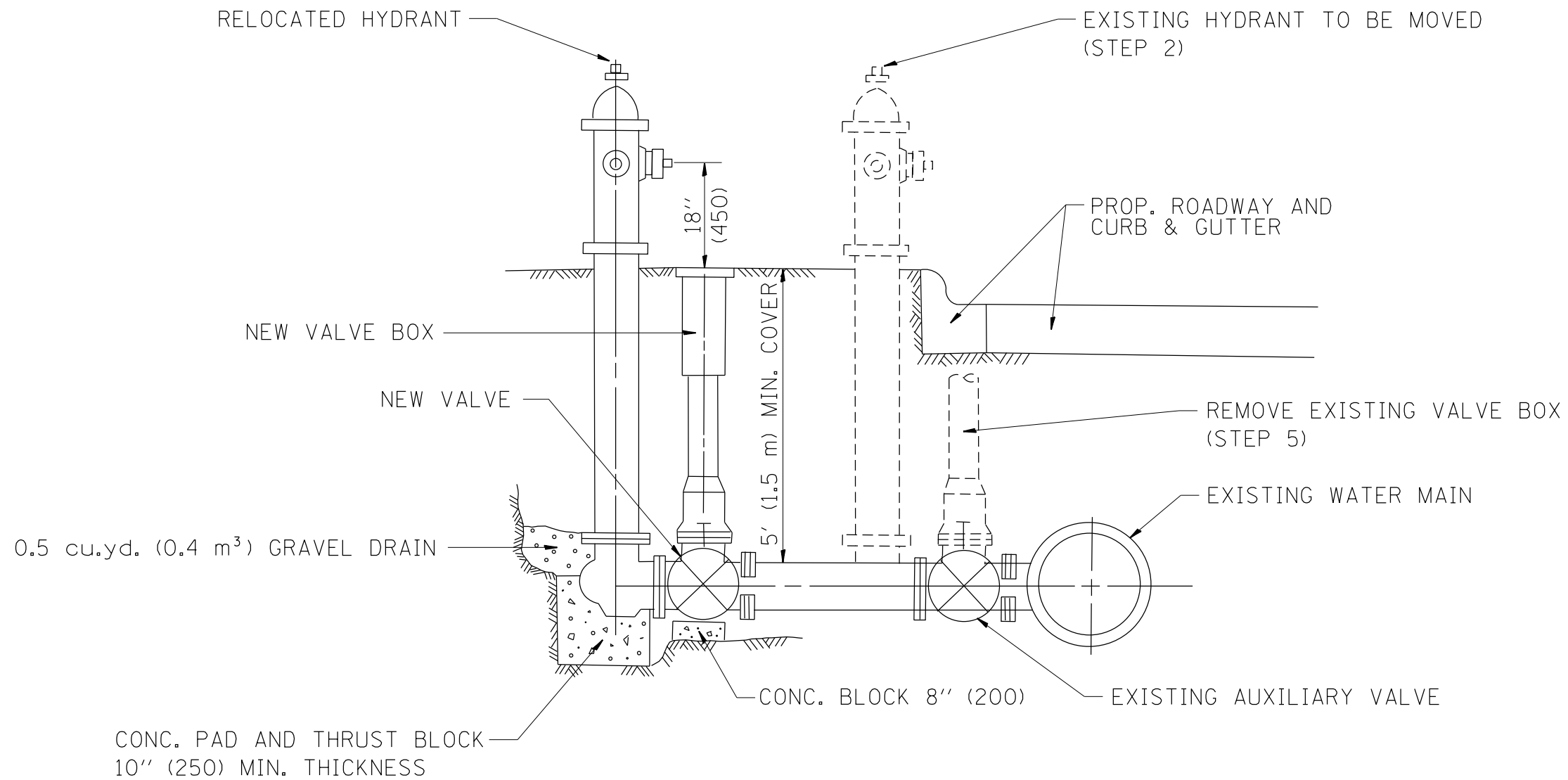
FILE NAME =	USER NAME = josephm	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
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	PLOT SCALE = 100.0000' / 1in.	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 5/16/2017		REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	81
BD400-05 BD32		CONTRACT NO. 60Y79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

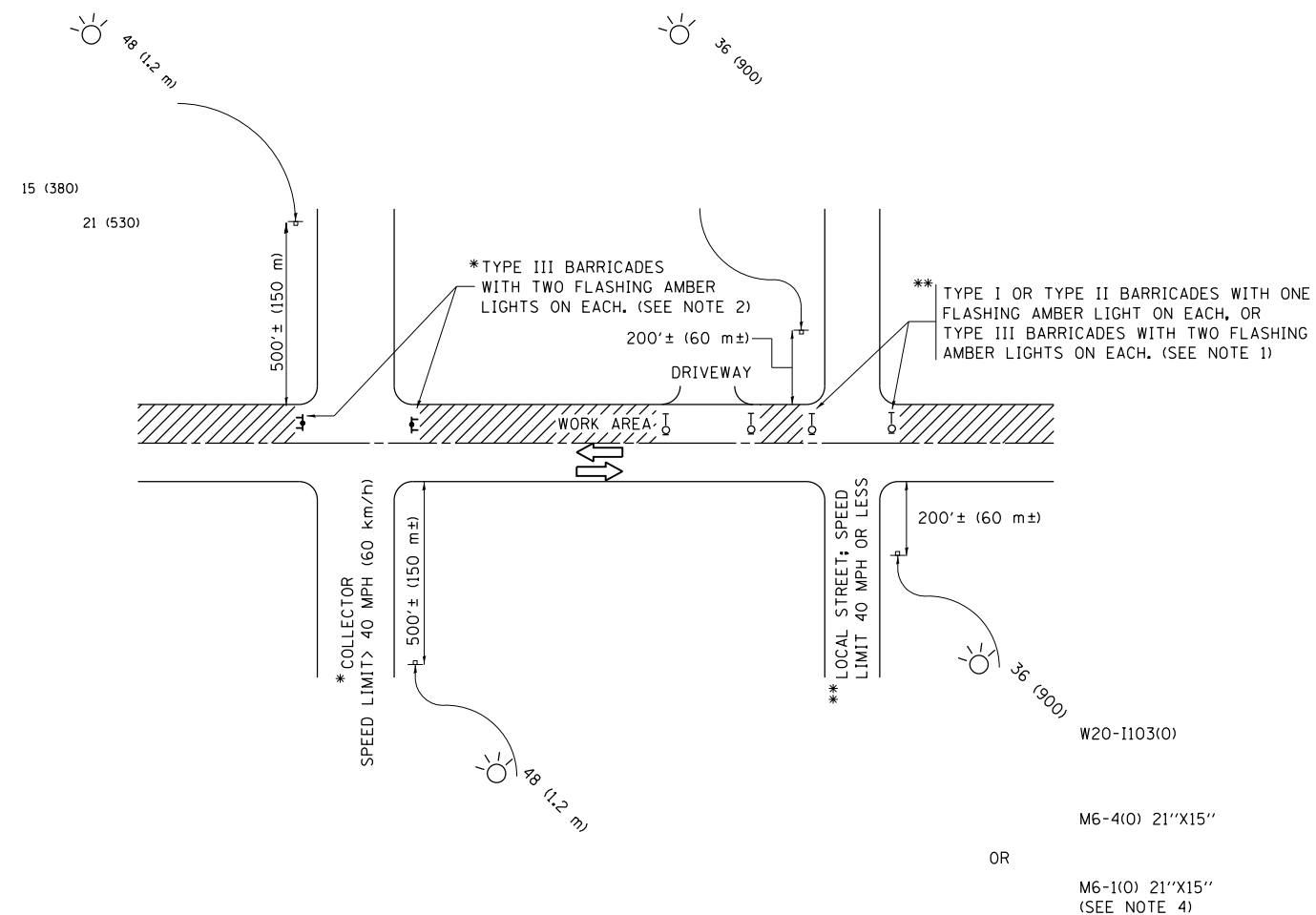
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

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

FIRE HYDRANT TO BE MOVED

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

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 5/16/2017	DATE -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

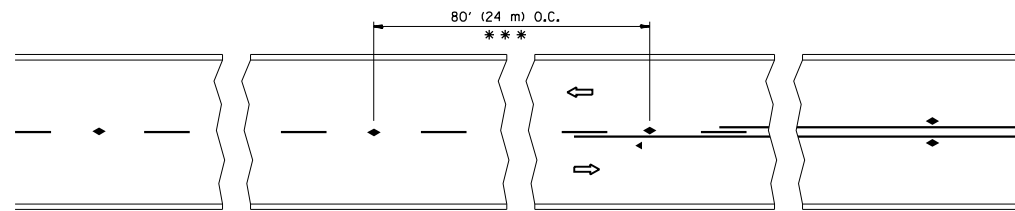
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	PLOT DATE = 5/16/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

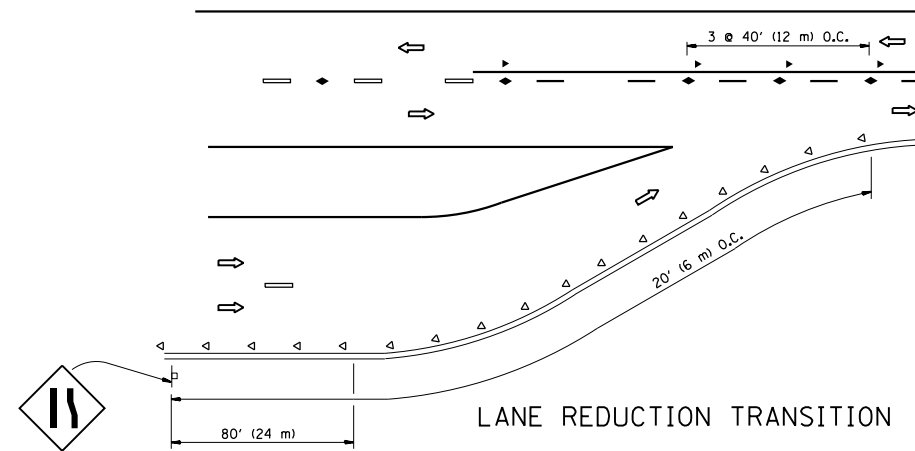
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 60Y79	
ILLINOIS FED. AID PROJECT				

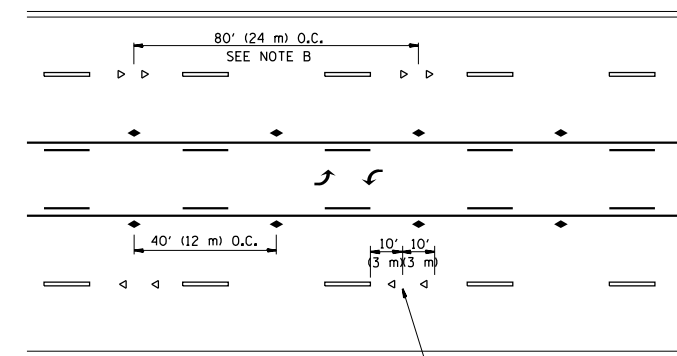


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

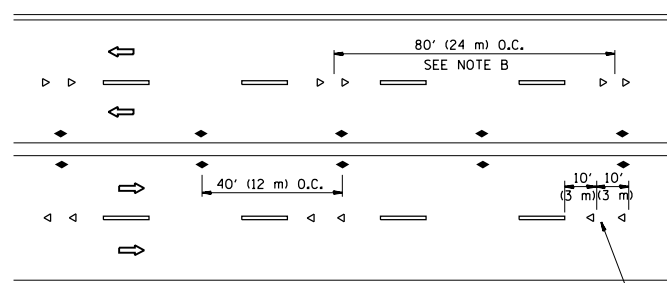
TWO-LANE/TWO-WAY



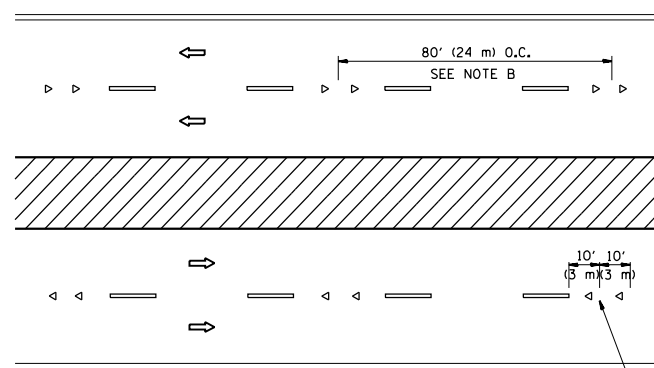
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

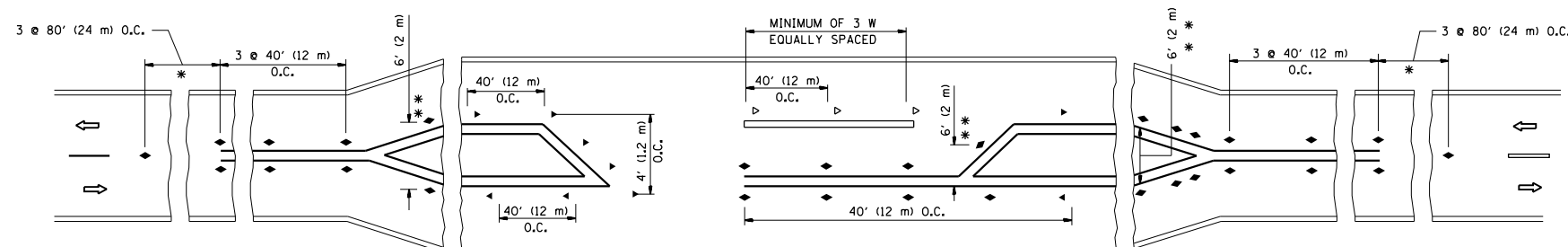
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

LEFT TURN

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

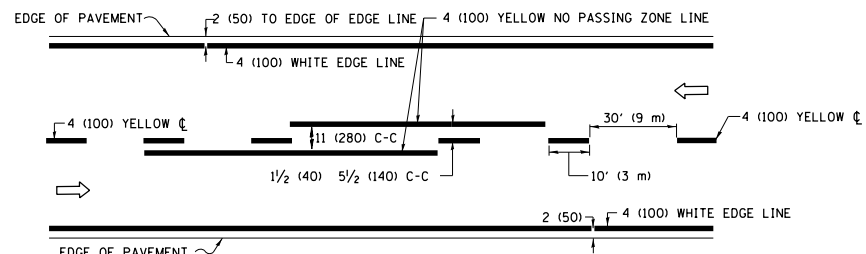
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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

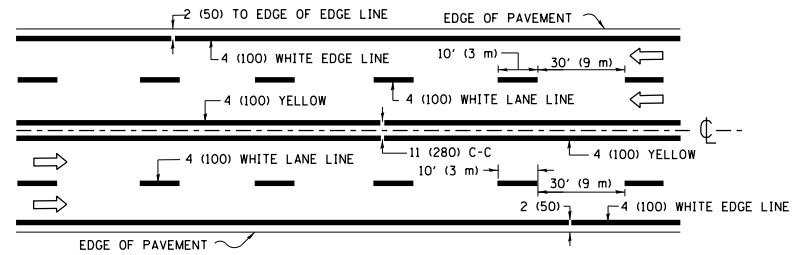
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

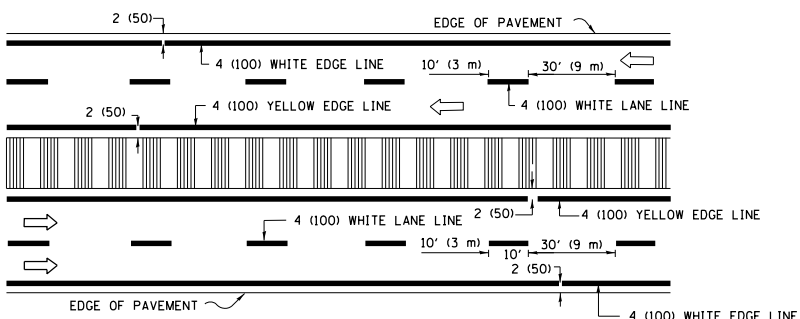
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	84
TC-11		CONTRACT NO. 60Y79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

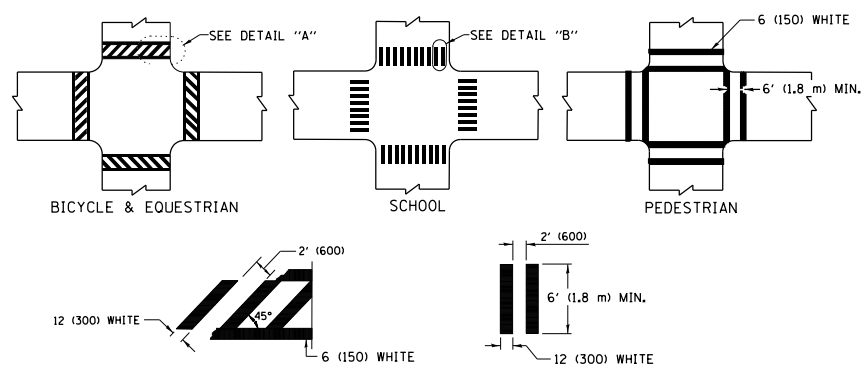


MULTI-LANE UNDIVIDED



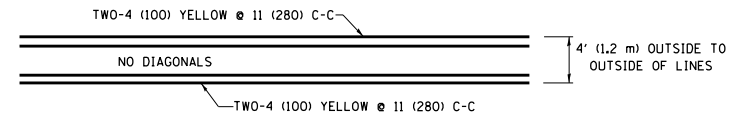
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

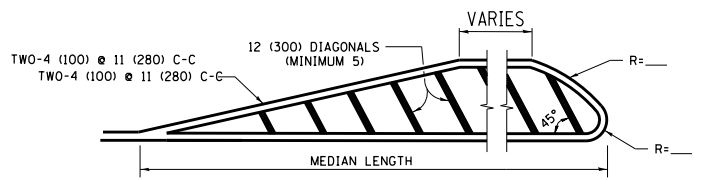


TYPICAL CROSSWALK MARKING

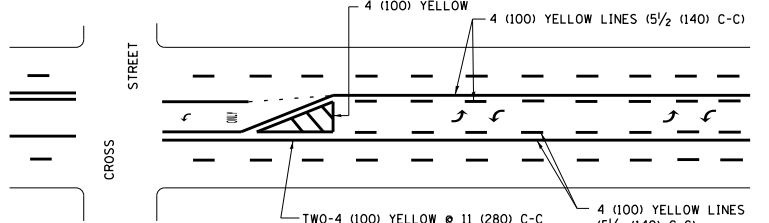
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



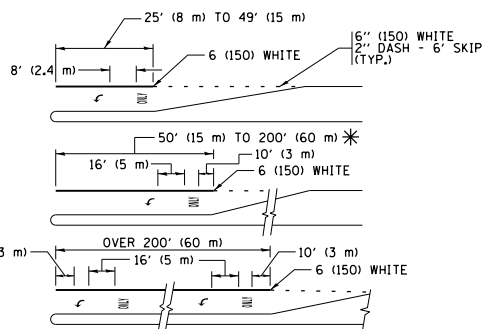
4' (1.2 m) WIDE MEDIANS ONLY



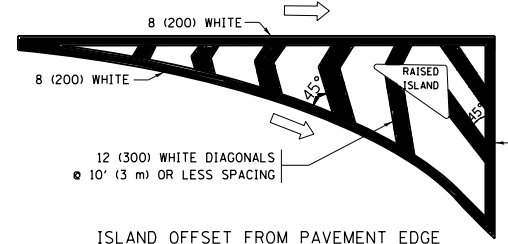
MEDIANS OVER 4' (1.2 m) WIDE



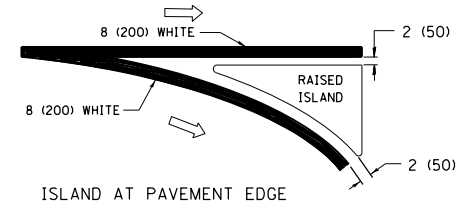
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



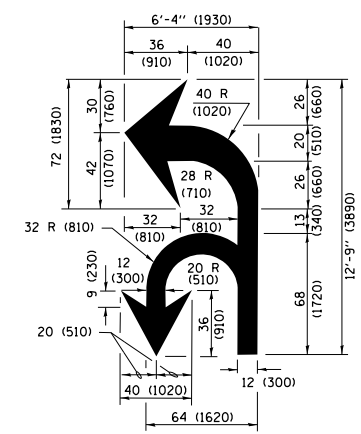
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



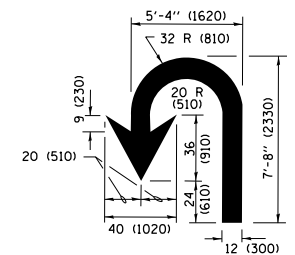
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = josephm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI14\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 5/16/2017		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 311	SECTION 10Y-TS-1	COUNTY DuPAGE	TOTAL SHEETS 100	SHEET NO. 85
TC-13			CONTRACT NO. 60Y79	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

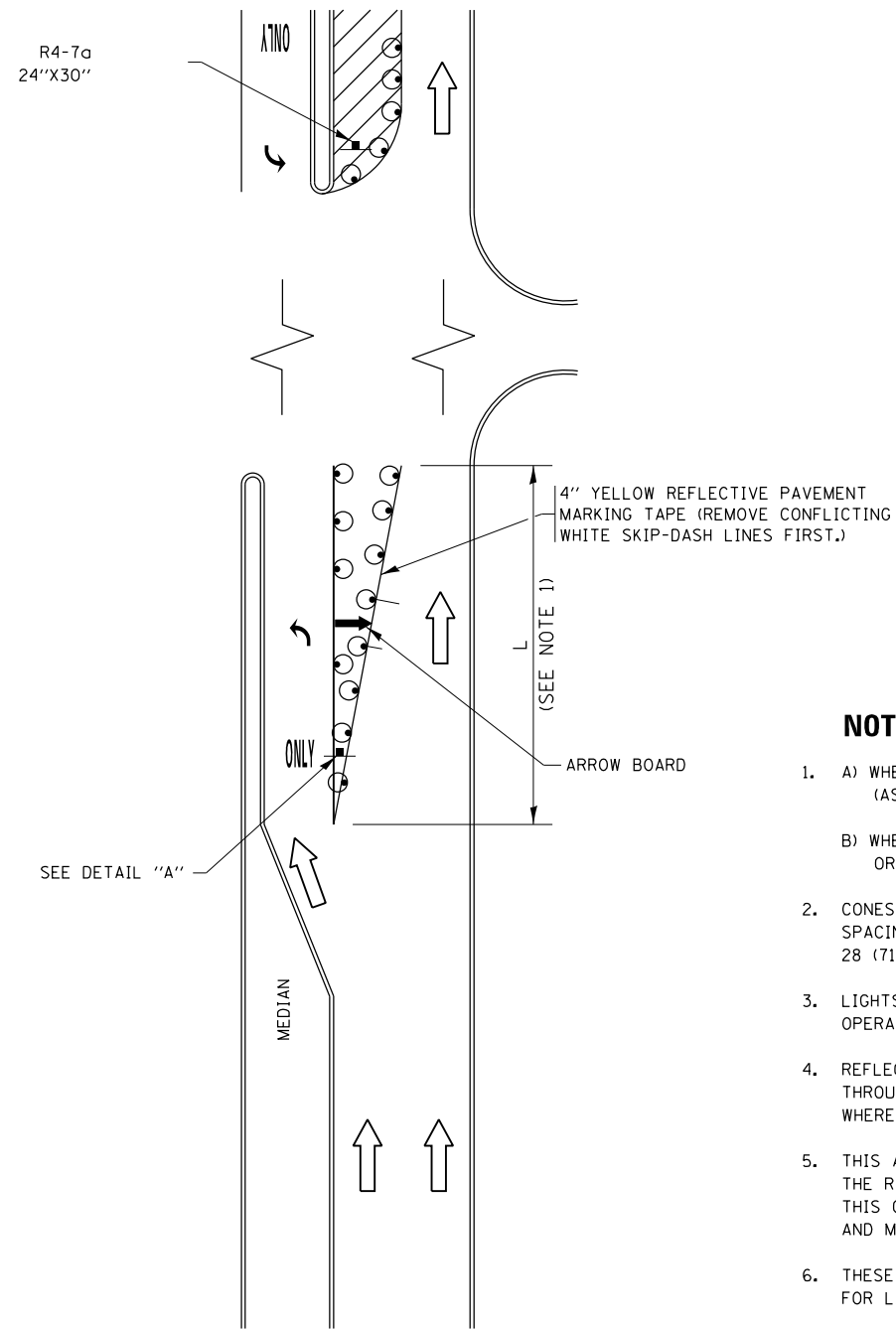
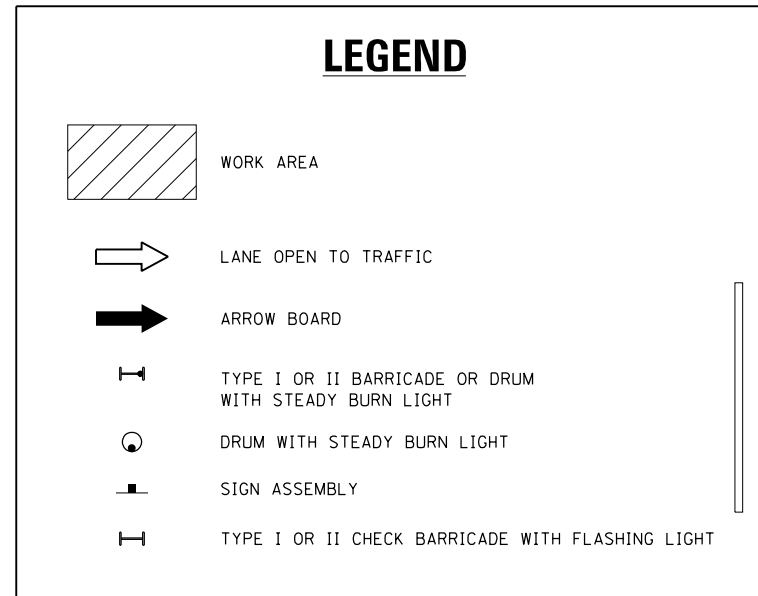


FIGURE 1



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

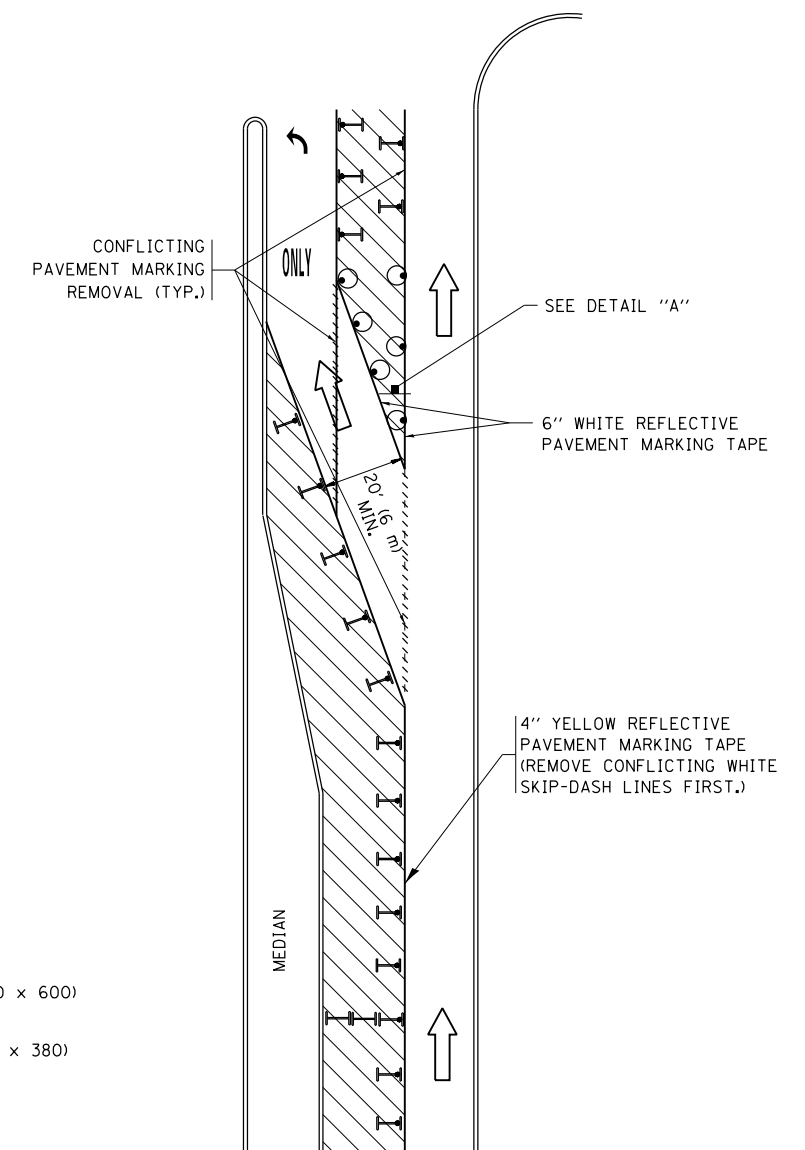
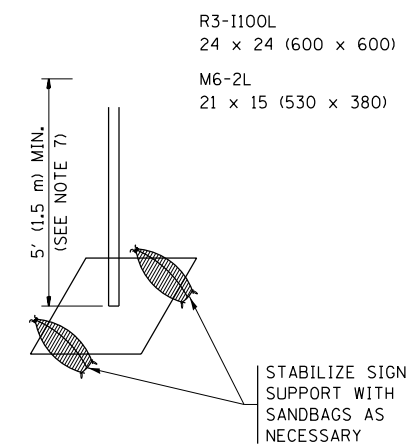


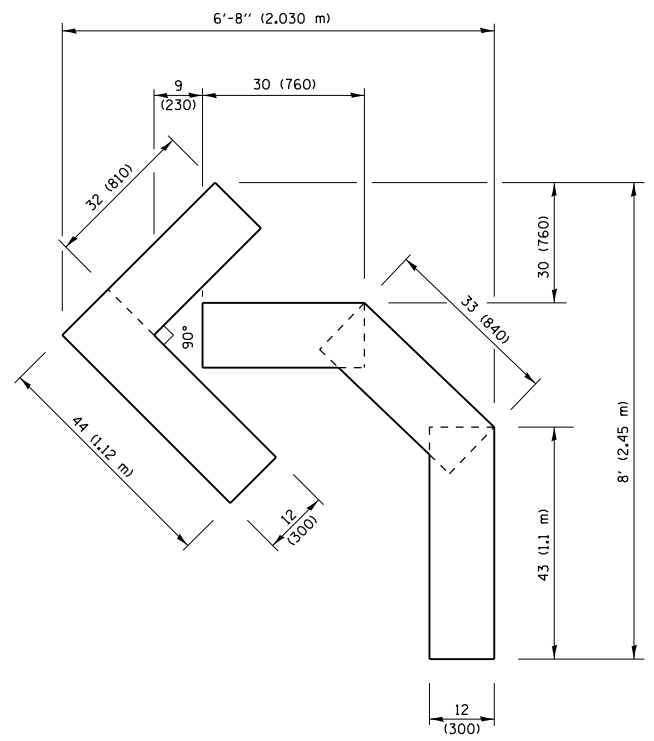
FIGURE 2



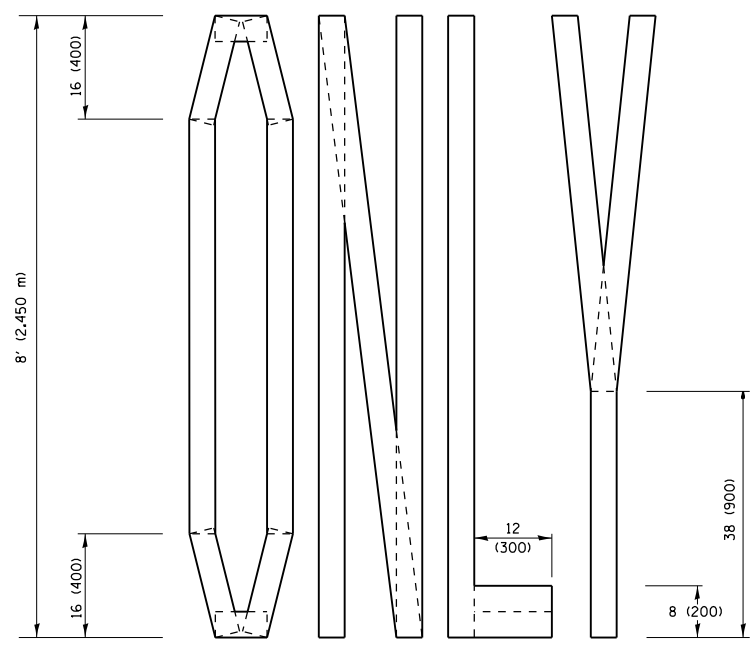
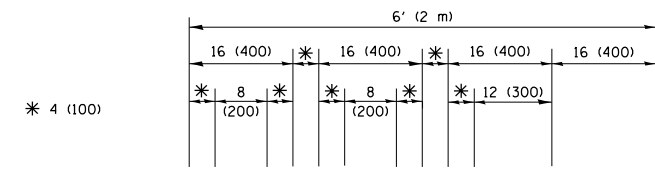
DETAIL A

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

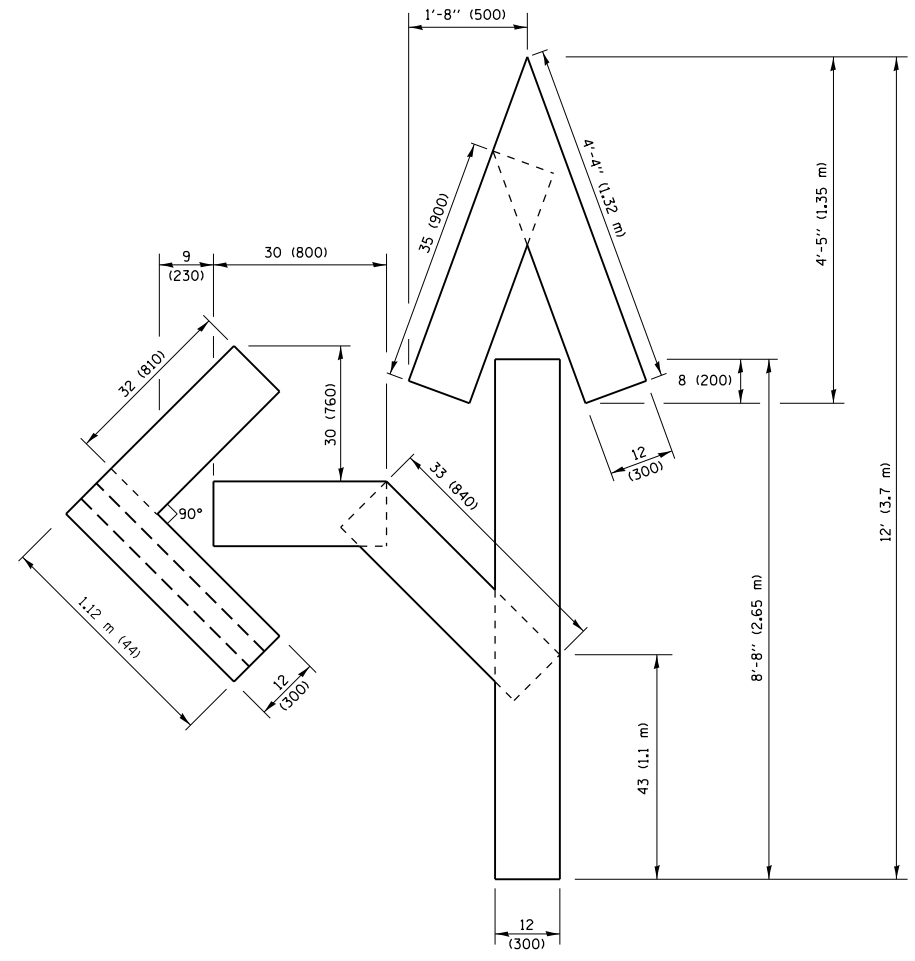
FILE NAME =	USER NAME = josephm	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI1421\REVISED\Design\A\HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			311	10Y-TS-1	DuPAGE	100	86
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 60Y79		
	PLOT DATE = 5/16/2017	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



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

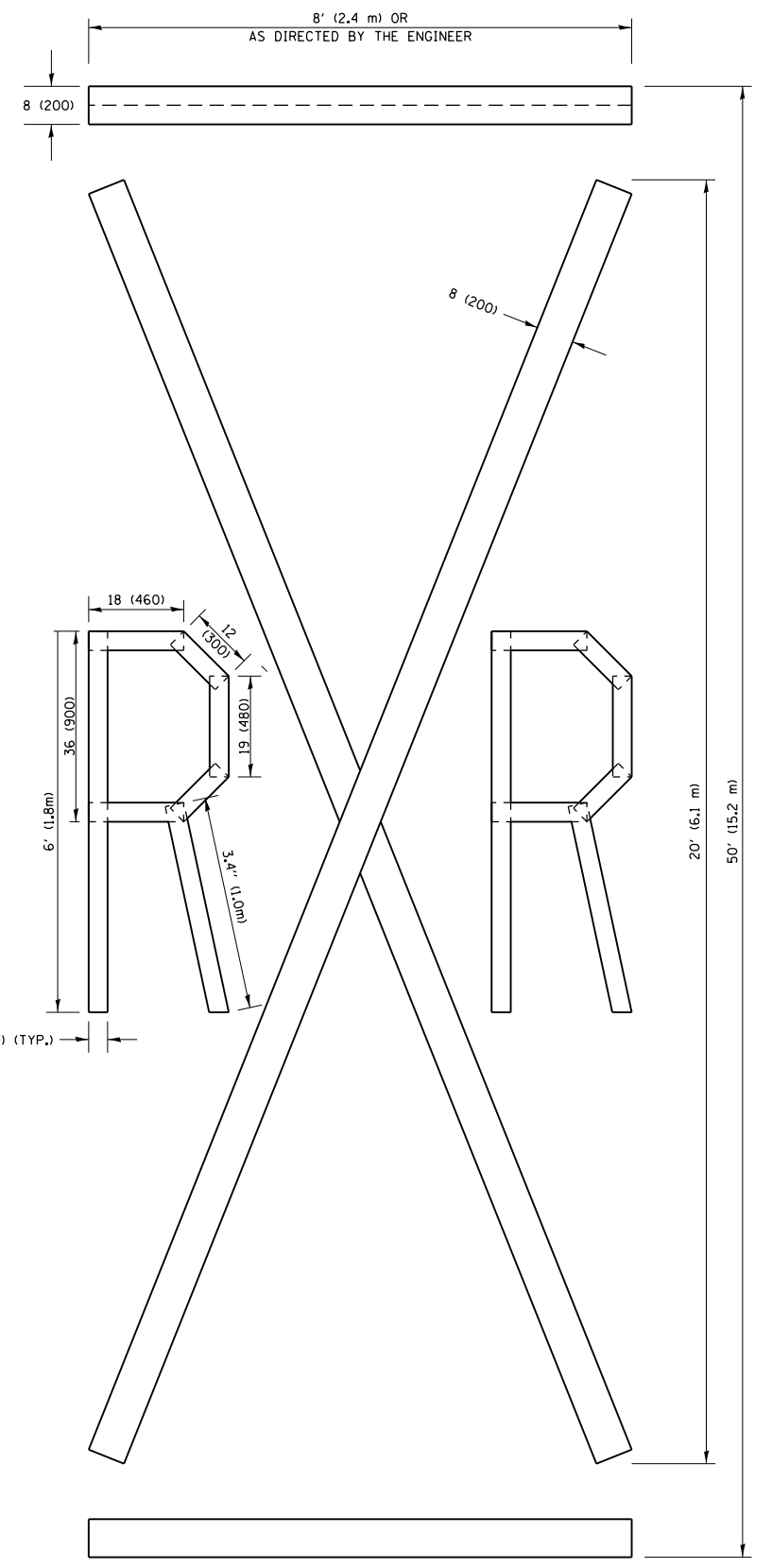


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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)

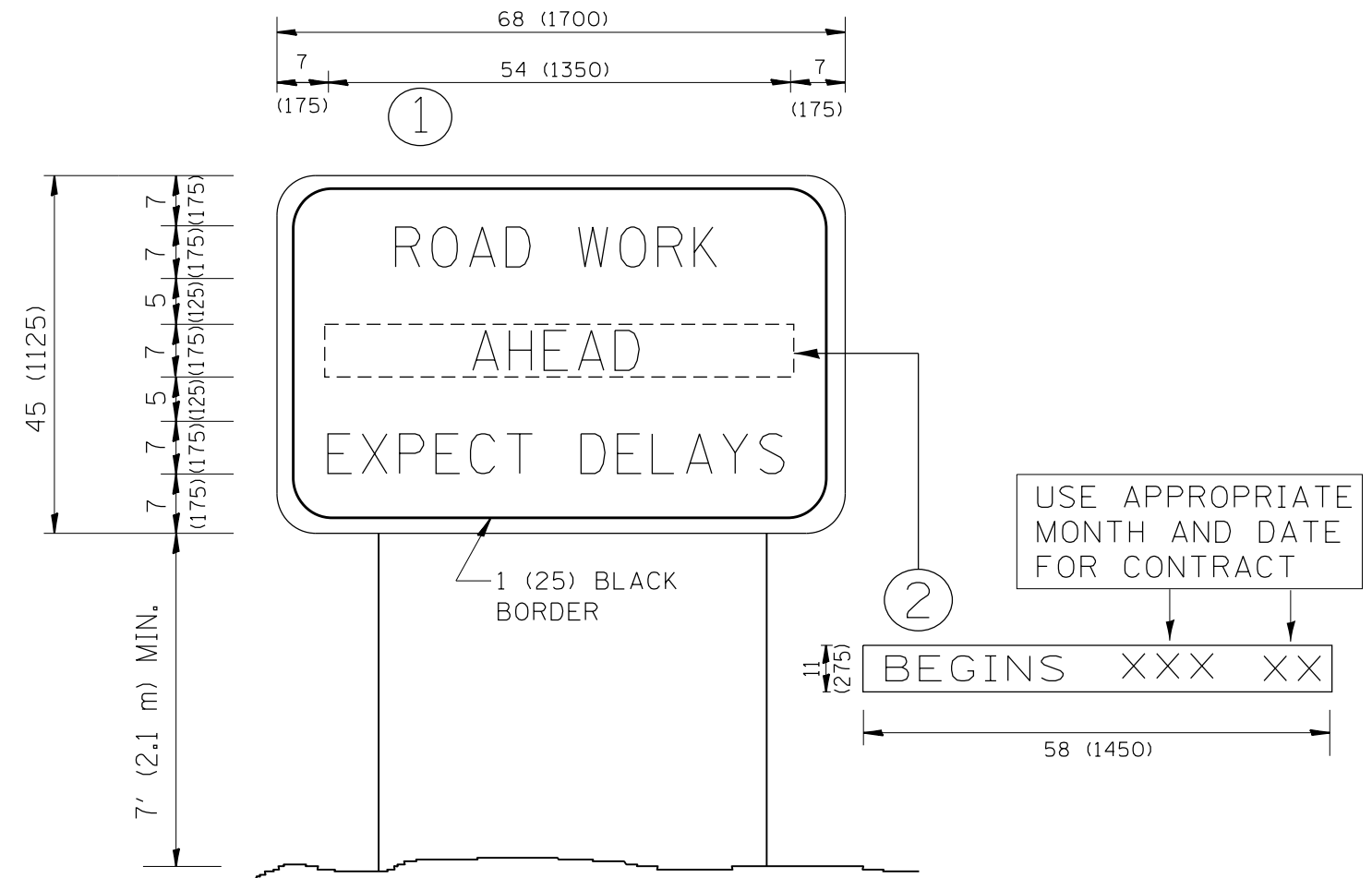
All dimensions are in inches (millimeters) unless otherwise shown.

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pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI142\Drawings\Design\DistStd.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00
			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.
311	10Y-TS-1	DuPAGE	100	87
TC-16		CONTRACT NO. 60Y79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

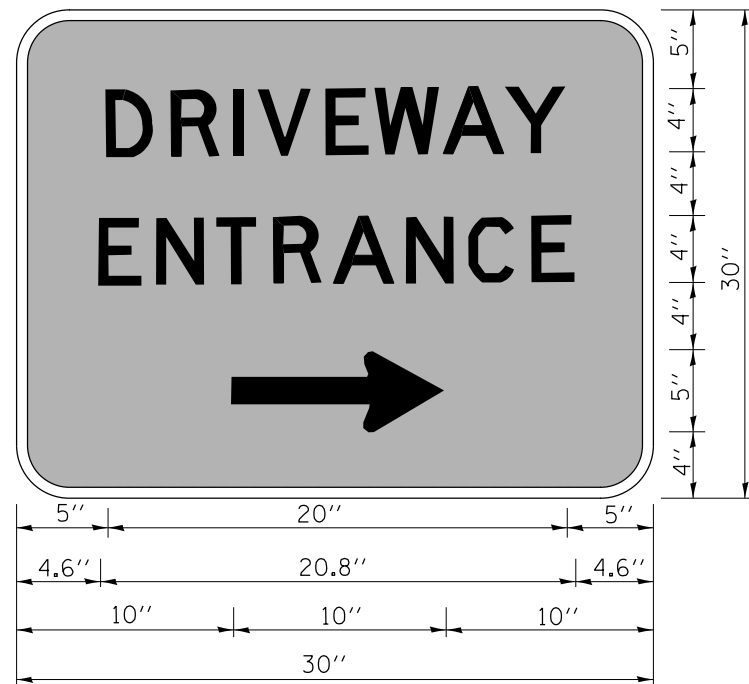
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 5/16/2017	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	88
TC-22		CONTRACT NO. 60Y79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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".

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED - C. JUCIUS 02-15-07
p:\11\084EBIDINTEG.illinois.gov\PI1421\Drawings\Design\DistStd.dgn		DRAWN -	REVISED -
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	PLOT DATE = 5/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

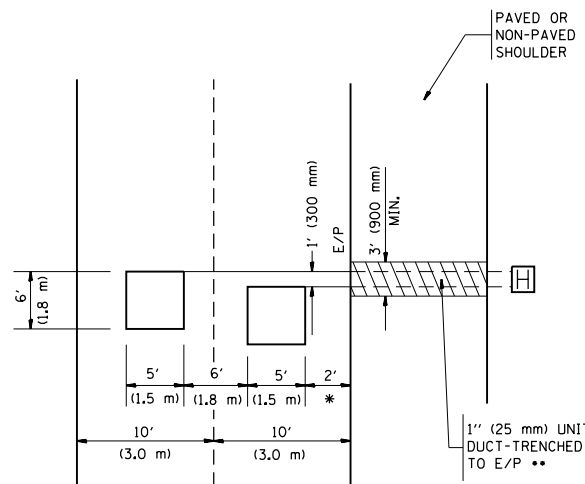
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	89
TC-26			CONTRACT NO. 60Y79	
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.



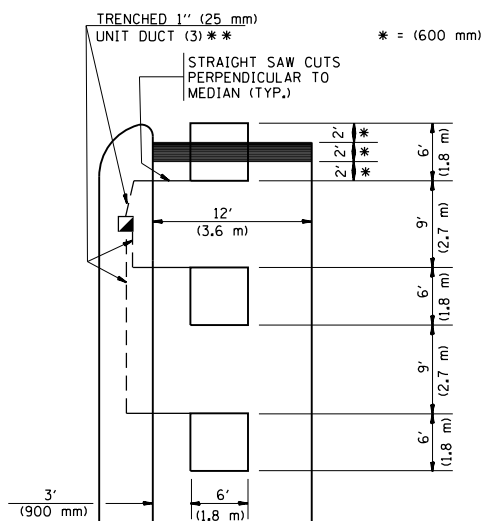
* = (600 mm)

** 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.



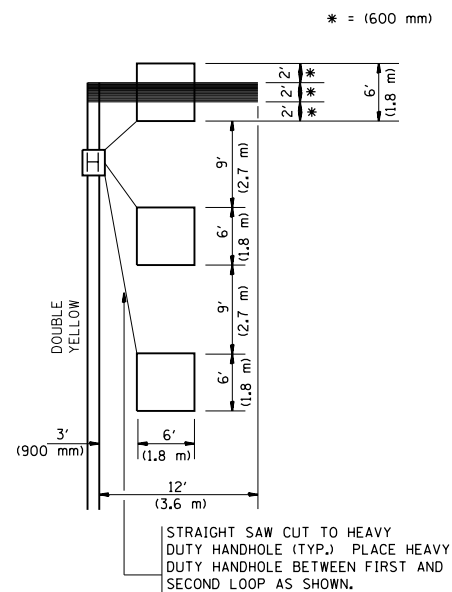
* = (600 mm)

** 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.

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.

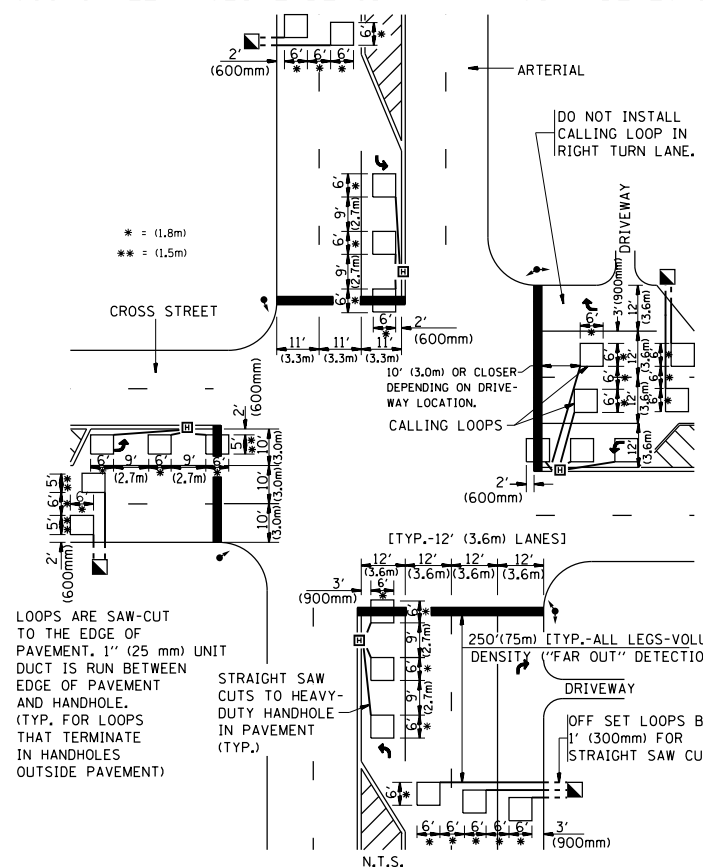
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

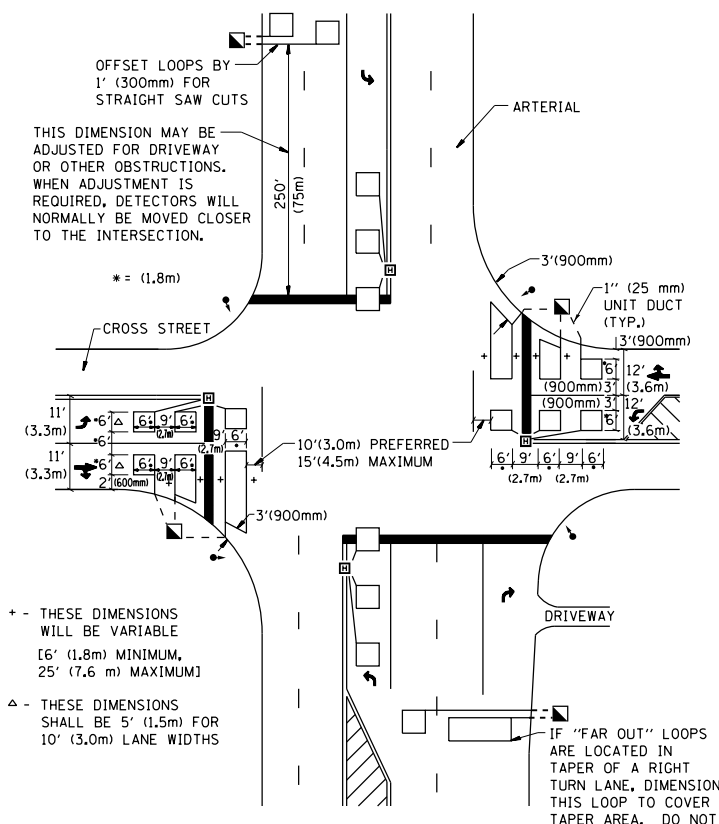
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



**DETAIL 1
N.T.S.**

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



**DETAIL 2
N.T.S.**

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / 1"		DATE -	REVISED -
PLOT DATE = 5/16/2017			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

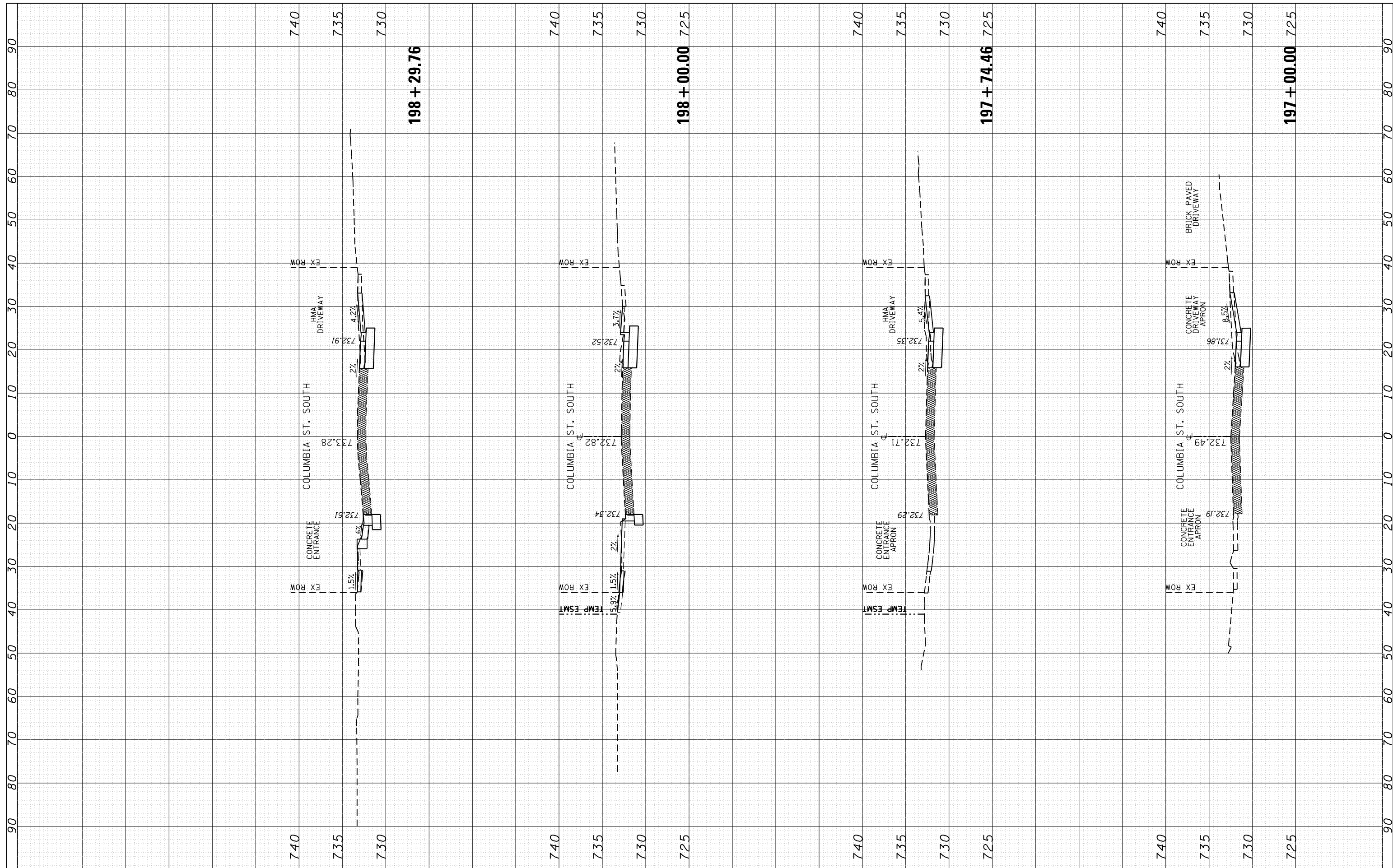
**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DuPAGE	100	90
TS-07		CONTRACT NO. 60Y79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =
 p:\114212\CAD\Drawings\PH4212-shr-xssht-Columbia-South

USER NAME = josephm
 DESIGNED -
 CHECKED -
 DATE -

REVISOR -
 REVISIONS -
 REVISIONS -
 REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

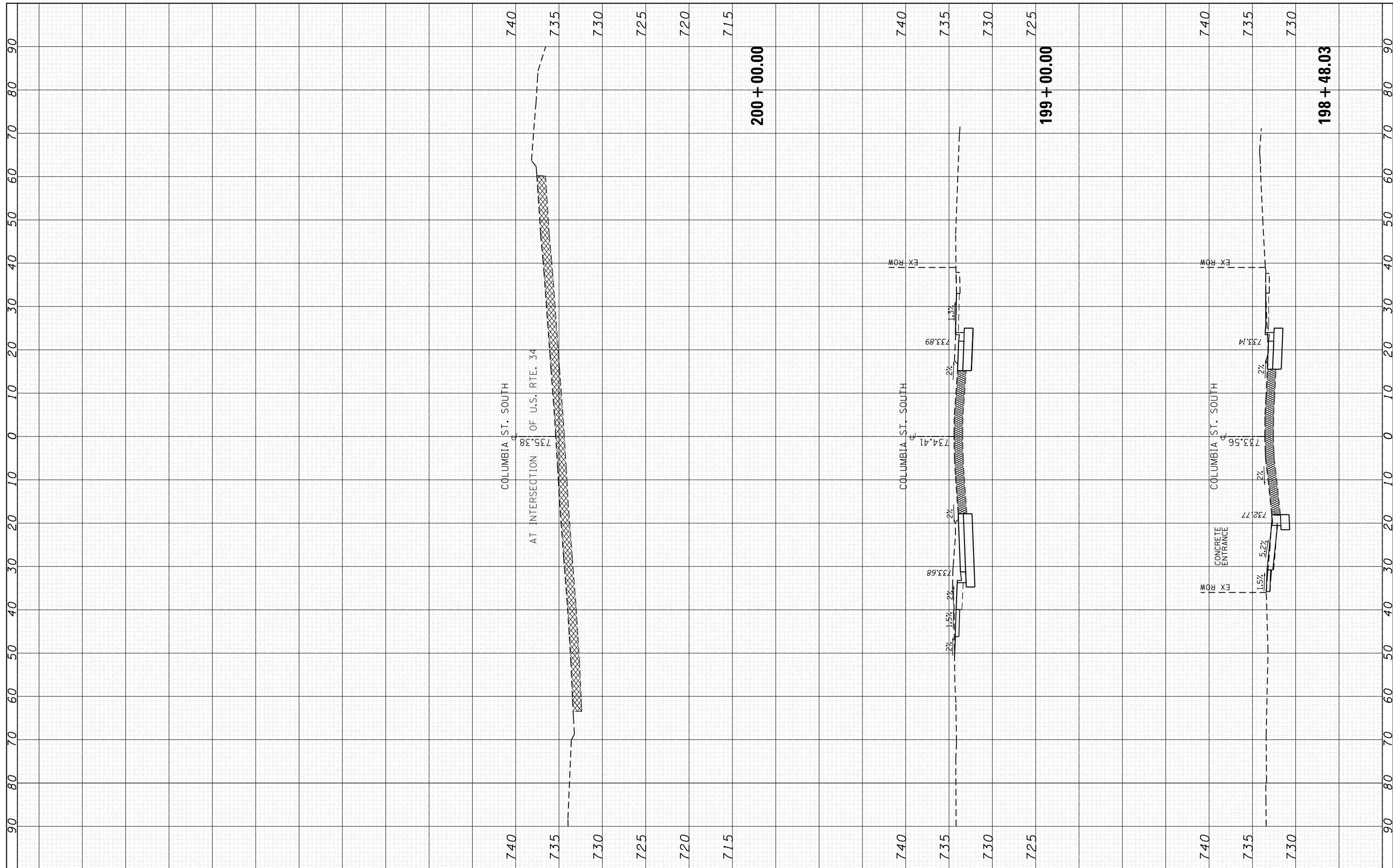
**CROSS SECTIONS
 U.S. ROUTE 34 AT COLUMBIA STREET**

SCALE: SHEET OF SHEETS STA. 197+00.00 TO STA. 198+29.76

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	92
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME =
 USER NAME = josephm
 DESIGNED -
 REVISIONS:
 1. DATE: 5/16/2017

DESIGNED -
 REVISIONS:
 1. DATE: 5/16/2017

DESIGNED -
 REVISIONS:
 1. DATE: 5/16/2017

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

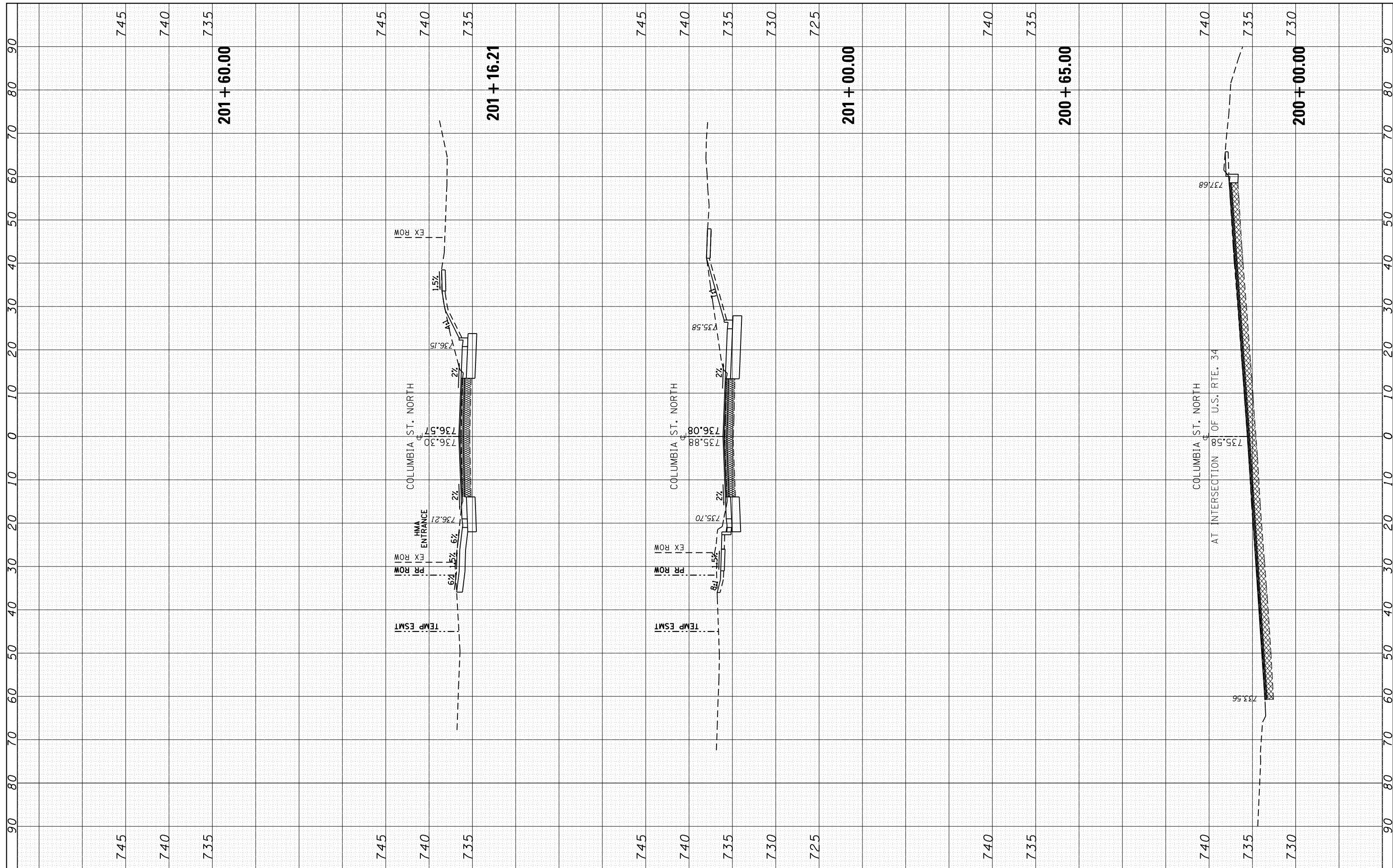
**CROSS SECTIONS
 U.S. ROUTE 34 AT COLUMBIA STREET**

SCALE: SHEET OF SHEETS STA. 198+48.03 TO STA. 200+00.00

F.A.P. RTE. 311	SECTION 10Y-TS-1	COUNTY DUPAGE	TOTAL SHEETS 100	SHEET NO. 93
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	

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

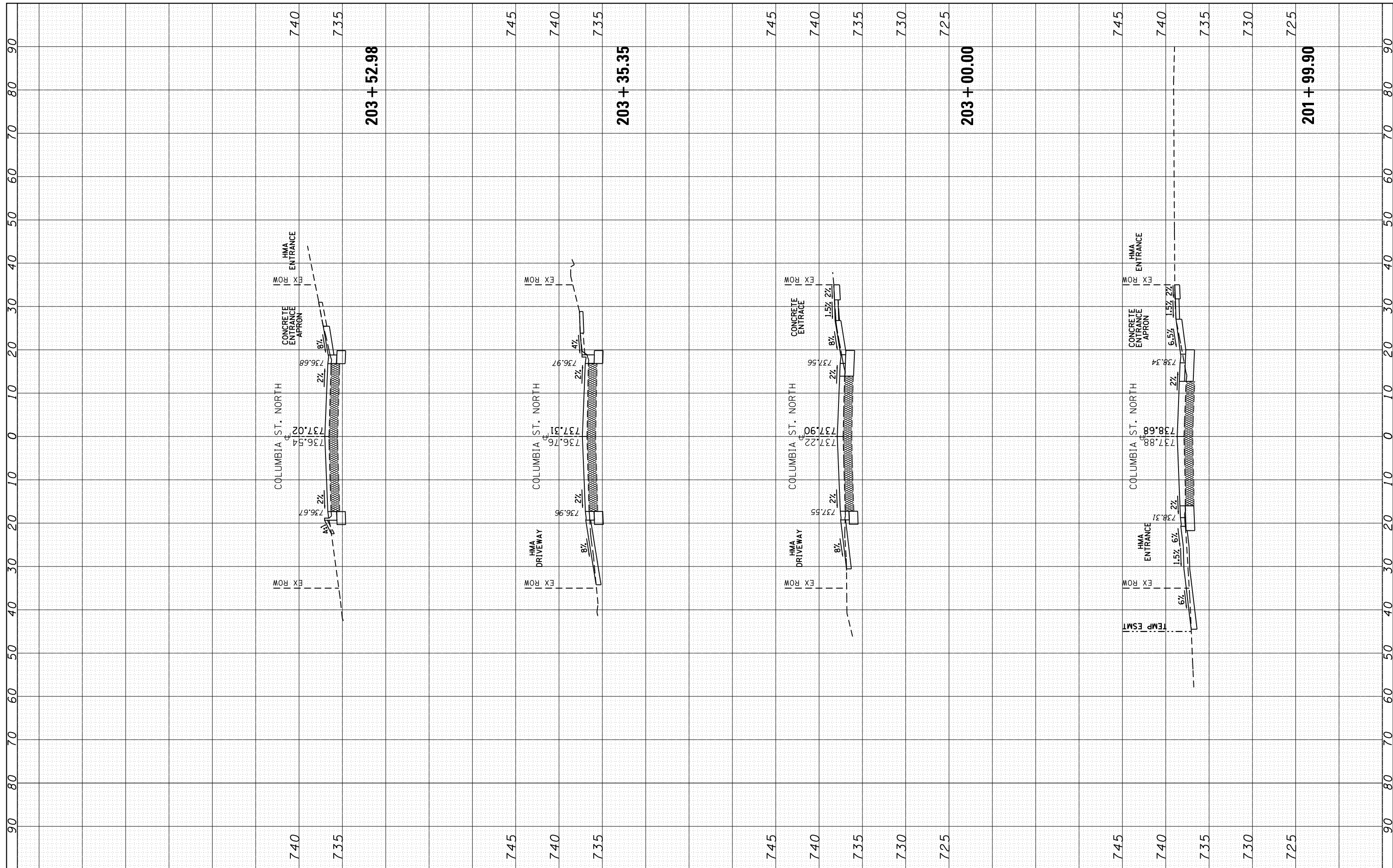
ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 34 AT COLUMBIA STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		DRAWN	REVISED		SCALE:	SHEET	OF	SHEETS	STA. 200+00.00	TO STA. 201+60.00	DUPAGE	100	94
		CHECKED -	REVISED -								CONTRACT NO. 60Y99		
		DATE -	REVISED -								ILLINOIS	FED. AID PROJECT	

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

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



FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -
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Default		CHECKED -	REVISED -
		DATE - 5/16/2017	REVISED -

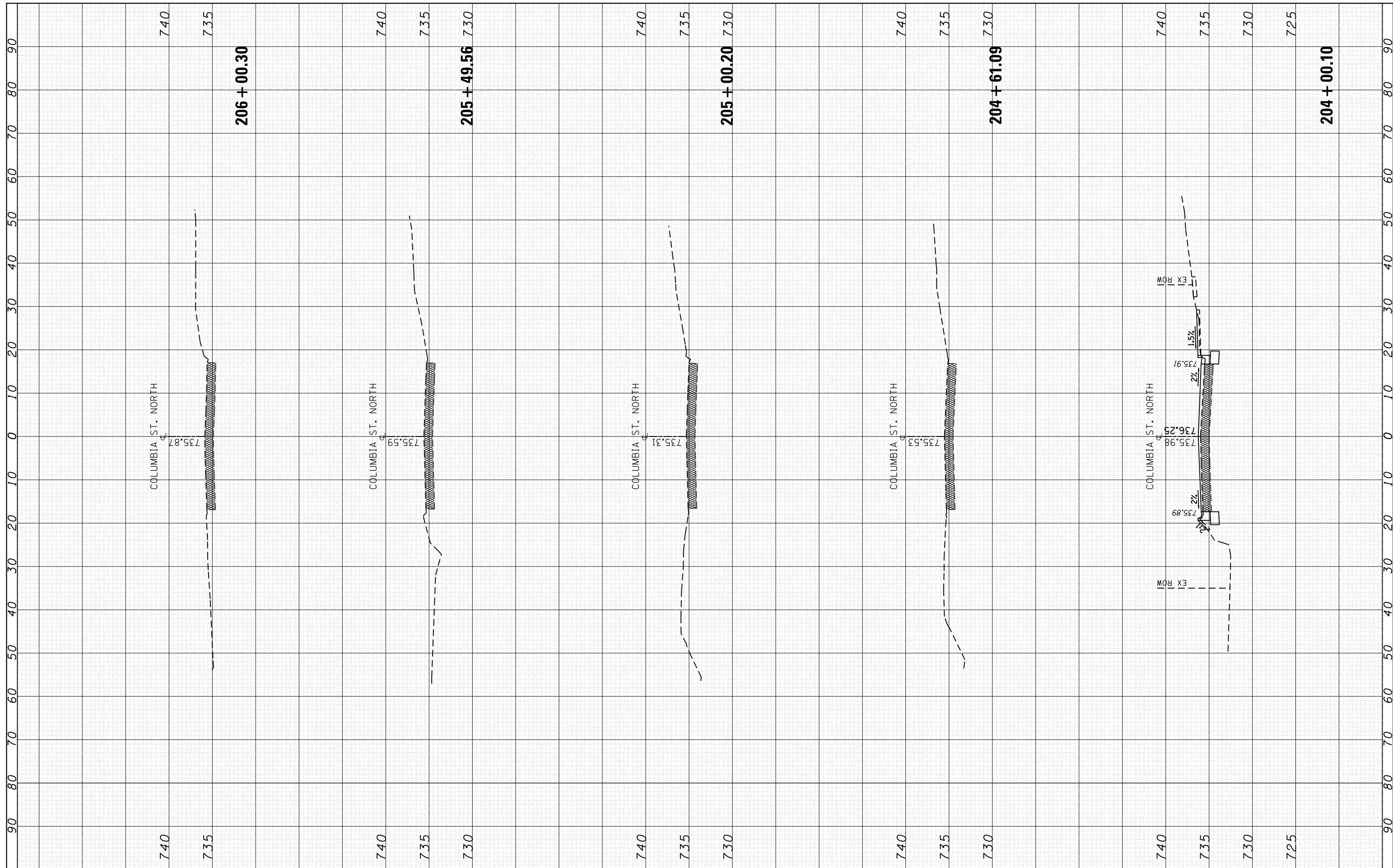
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
U.S. ROUTE 34 AT COLUMBIA STREET			
SCALE:	SHEET	OF	SHEETS
			STA. 201+99.90 TO STA. 203+52.98

F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	95
CONTRACT NO. 60Y79				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -
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	PLOT DATE = 5/16/2017	DATE -	REVISED -

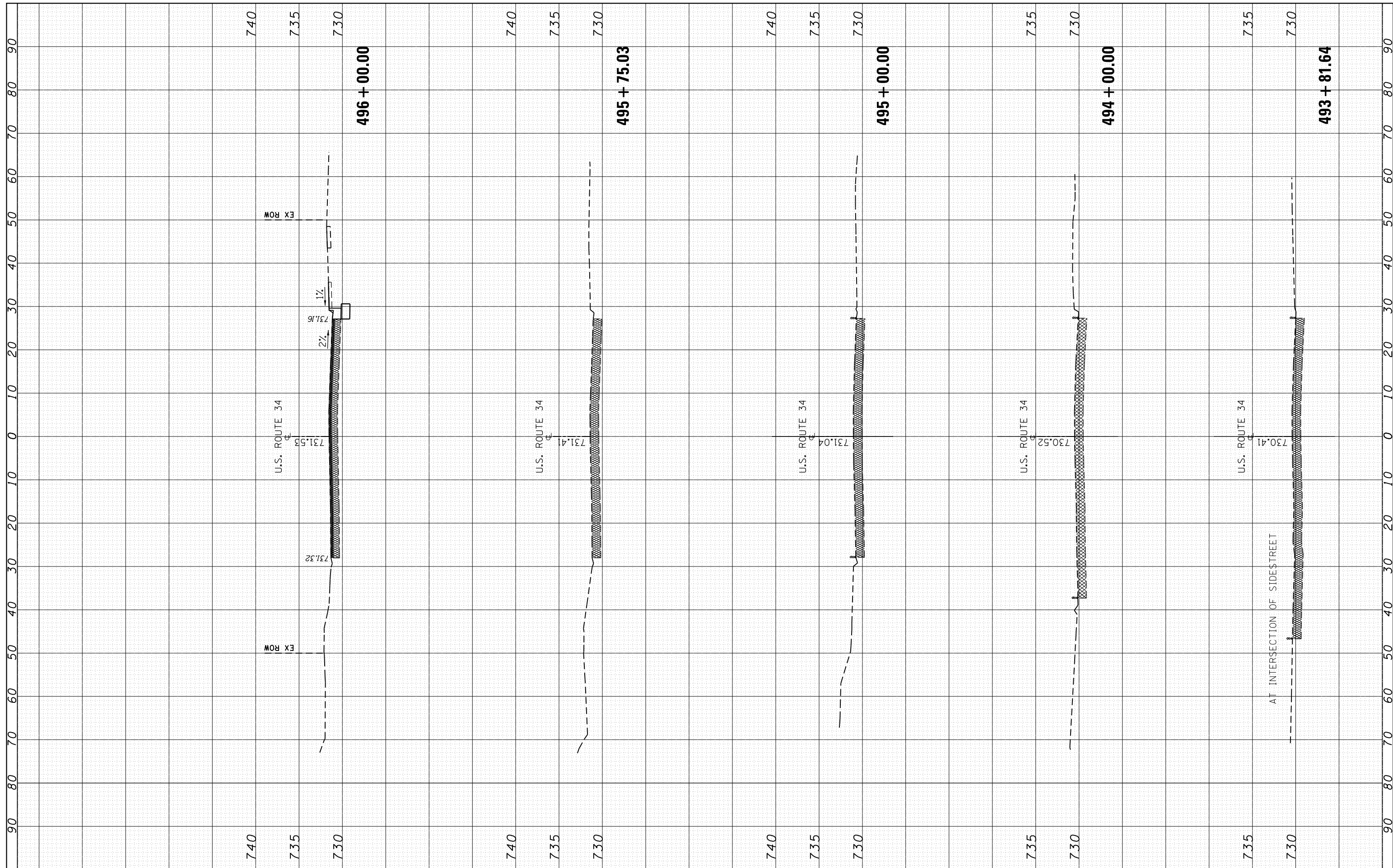
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS U.S. ROUTE 34 AT COLUMBIA STREET			
SCALE:	SHEET	OF	SHEETS
			STA. 204+00.10 TO STA. 206+00.30

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	96
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME =
 USER NAME = josephm
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 5/16/2017

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

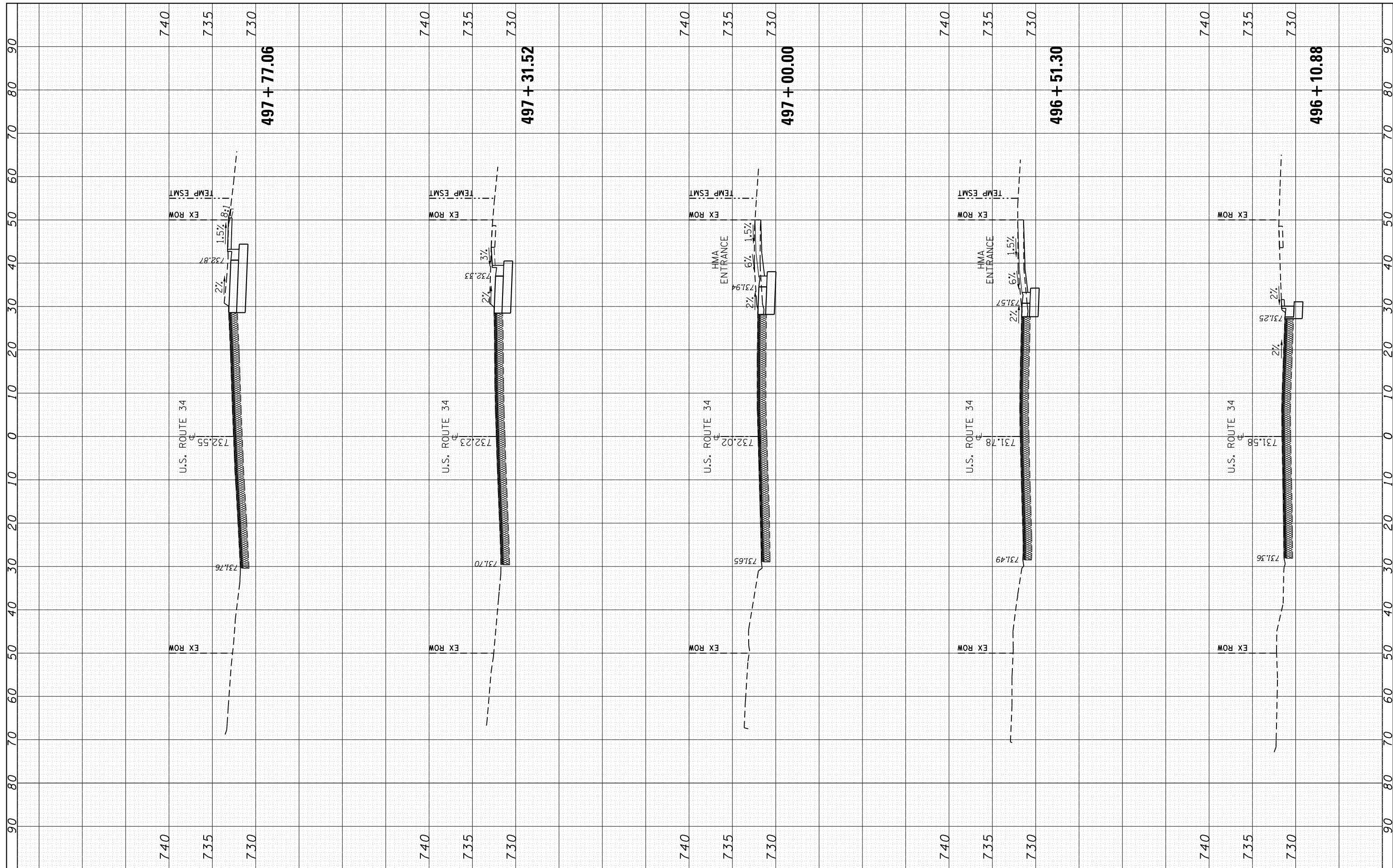
**CROSS SECTIONS
 U.S. ROUTE 34 AT COLUMBIA STREET**

SCALE: SHEET OF SHEETS STA. 493+81.64 TO STA. 496+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-TS-1	DUPAGE	100	97
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	

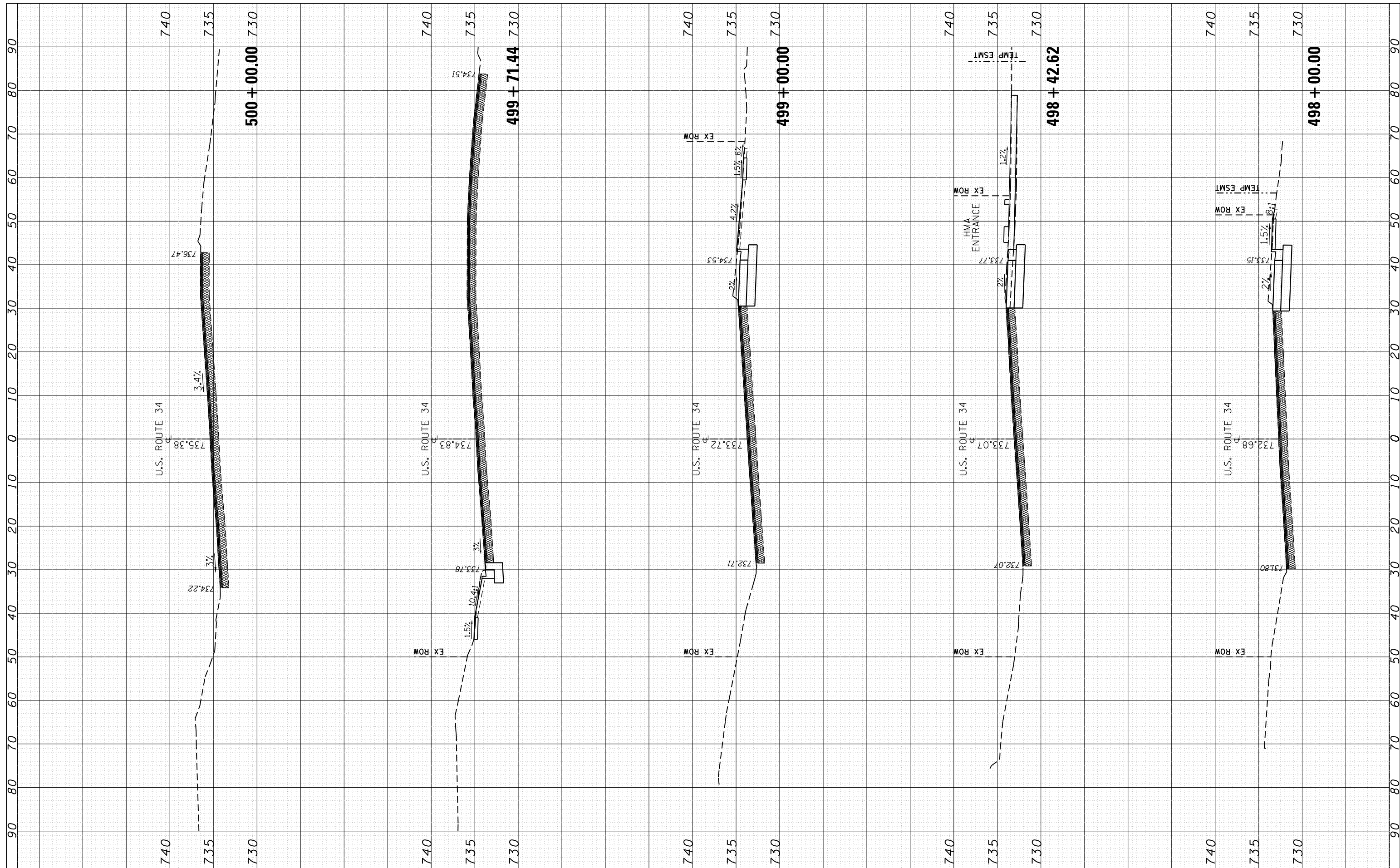
BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS
	CHECKED



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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME =
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 PLOT SCALE = 20.0000' / in.
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 PLOT DATE = 5/16/2017

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

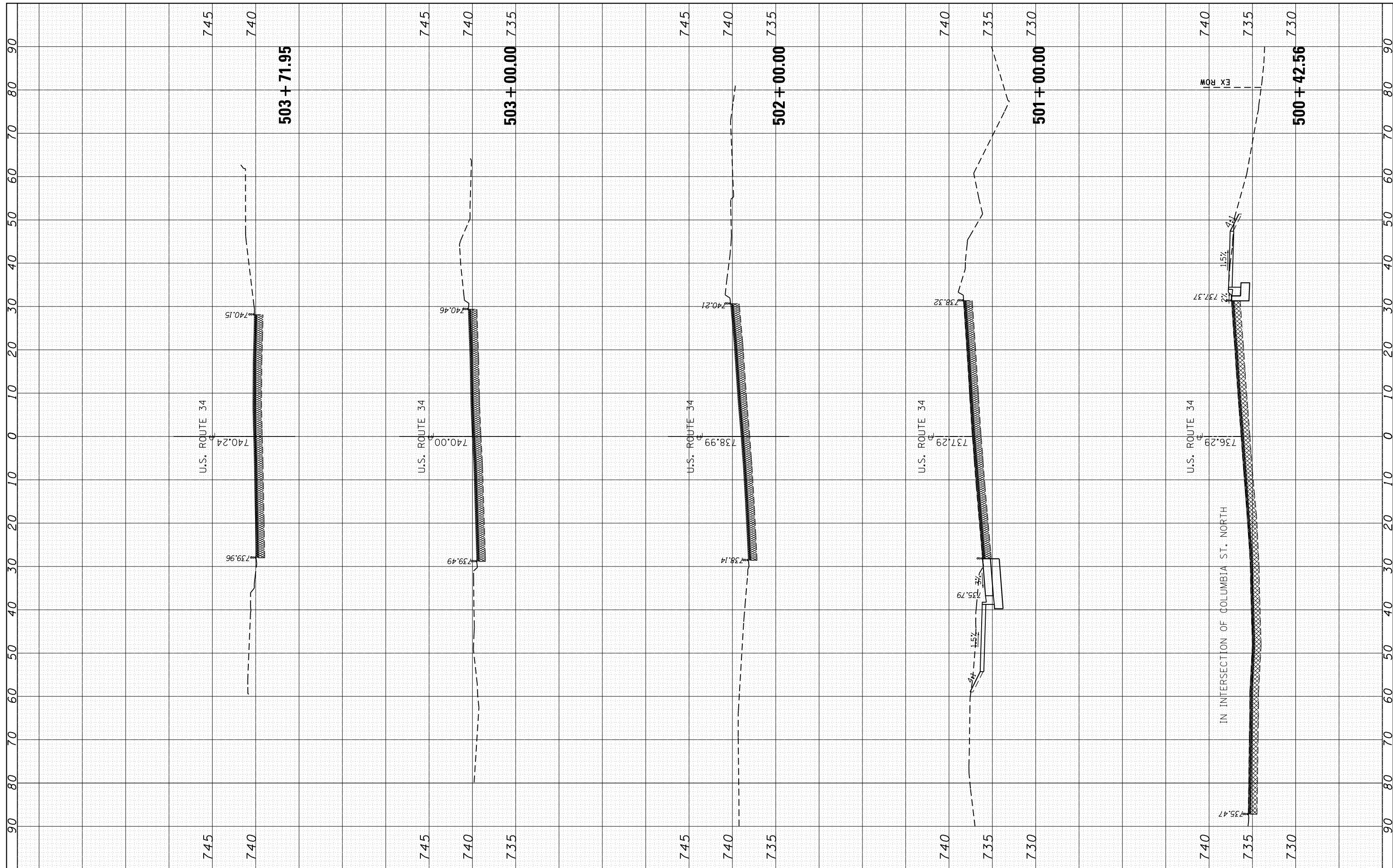
**CROSS SECTIONS
 U.S. ROUTE 34 AT COLUMBIA STREET**

SCALE: SHEET OF SHEETS STA. 498+00.00 TO STA. 500+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	10Y-T5-1	DUPAGE	100	99
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME =
 USER NAME = josephm
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 5/16/2017

DESIGNED -
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 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 U.S. ROUTE 34 AT COLUMBIA STREET**

SCALE: SHEET OF SHEETS STA. 500+42.56 TO STA. 503+71.95

F.A.P. RT. 311	SECTION 10Y-T5-1	COUNTY DUPAGE	TOTAL SHEETS 100	SHEET NO. 100
CONTRACT NO. 60Y79			ILLINOIS FED. AID PROJECT	