

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	1
		ILLINOIS	CONTRACT NO. 60V96	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAP ROUTE 343: IL. RTE. 68 (DUNDEE ROAD)
AT MCHENRY RD / WHEELING RD

SECTION: 3041N-4(12)

PROJECT: ACCMF-0343(019)

INTERSECTION IMPROVEMENT

RESURFACING

COOK COUNTY

C-91-132-13

THE PROJECT IS LOCATED IN THE
VILLAGE OF WHEELING

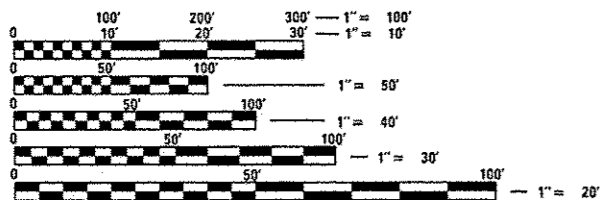
TRAFFIC DATA:

IL RTE 68 2015 ADT = 26,900

POSTED SPEED LIMIT = 35 MPH

MCHENRY / WHEELING RD 2014 ADT = 13,500

POSTED SPEED LIMIT = 30 - 40 MPH



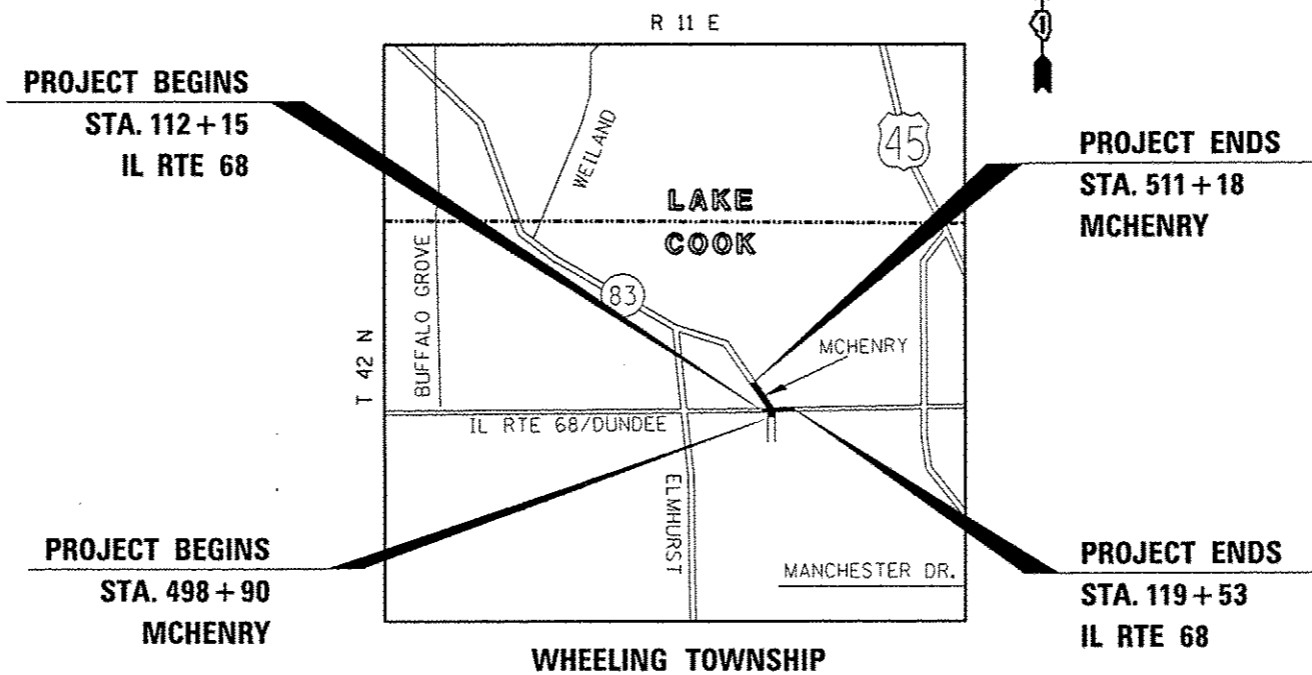
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

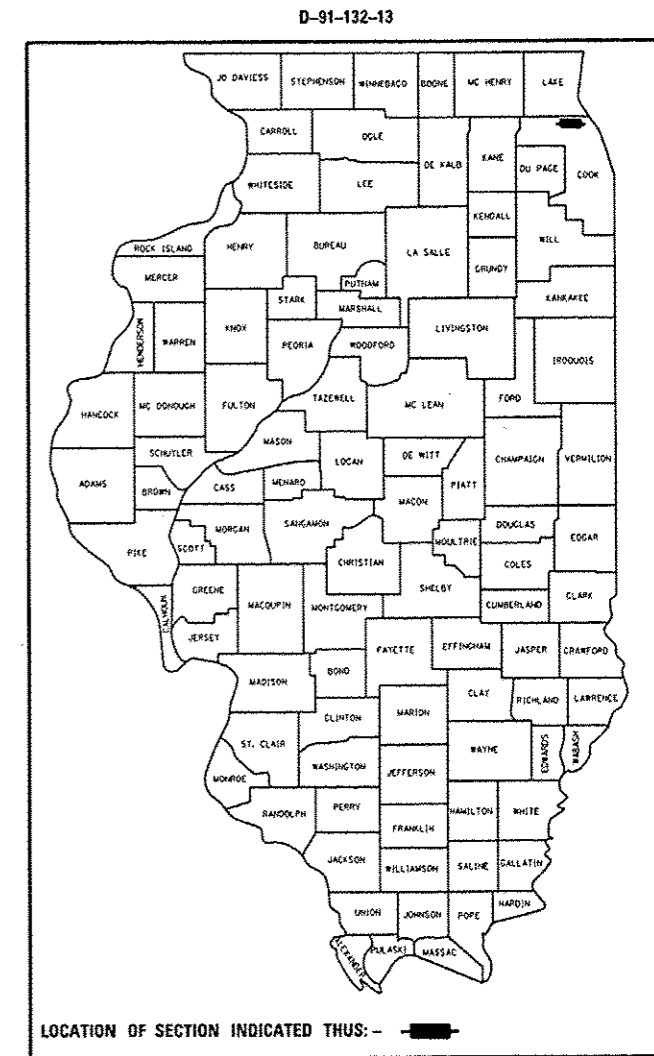
PROJECT ENGINEER KARI SMITH (847) 705-4437

PROJECT MANAGER KEN ENG

CONTRACT NO. 60V96



IL RTE 68 /DUNDEE RD - GROSS AND NET LENGTH = 738 FT. = 0.14 MILE
MCHENRY RD /WHEELING RD. - GROSS AND NET LENGTH = 1228 FT. = 0.23 MILE
TOTAL GROSS AND NET LENGTH = 1966 FT. = 0.37 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 24, 2016

[Signature]
REGIONAL ENGINEER

May 6 2016
Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 6 2016
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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LIST OF STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602401-03	MANHOLE TYPE A
602406-07	MANHOLE TYPE A 6' (1.8 m) DIAMETER
602411-05	MANHOLE TYPE A 7' (2.1 m) DIAMETER
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-04	FRAME AND LIDS TYPE 1
604091-03	FRAME AND GRATE TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701427-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSIBLE MEDIAN
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
814001-03	HANDHOLES

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 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF WHEELING.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- WHEN THE 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 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF 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 ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED).
- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER, WITH THE TYPE SPECIFIED ON THE PLANS), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAMES AND LIDS UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- SIDEWALK REMOVAL AND P.C.C. SIDEWALK, 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE ENGINEER SHALL CONTACT JOE ECKERT, AREA TRAFFIC FIELD TECHNICIAN, AT Joe.Eckert@Illinois.gov A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

FILE NAME: p:\IL084E01\INTEG.illinois.gov\PI\DOT\Documents\1007 Offices\District 1\Projects\PI24812\DR&M\Design\PI24812-sh1-gannote.dwg	USER NAME: peraynoel	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES IL ROUTE 68 AT MCHENRY /WHEELING RD				F.A.P. RTE. 343	SECTION 3041N-4(12)	COUNTY COOK	TOTAL SHEETS 93	SHEET NO. 2
	PLOT SCALE: 1/8" = 1'-0"	CHECKED: -	REVISED: -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					
	PLOT DATE: 4/28/2016	DATE: -	REVISED: -										
CONTRACT NO. 60V96													

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
X1700015	PORTLAND CEMENT CONCRETE SIDEWALK 10 INCH	SO FT	873	873					25200200	SUPPLEMENTAL WATERING	UNIT	29	29				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	177	177					28000400	PERIMETER EROSION BARRIER	FOOT	172	172				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	16	16					28000510	INLET FILTERS	EACH	19	19				
20101000	TEMPORARY FENCE	FOOT	93	93					30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	2344	2344				
20101100	TREE TRUNK PROTECTION	EACH	22	22					35501311	HOT-MIX ASPHALT BASE COURSE, 6 3/4"	SO YD	1815	1815				
20200100	EARTH EXCAVATION	CU YD	1989	1989					35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	103	103				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	727	727					40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7256	7256				
20800150	TRENCH BACKFILL	CU YD	282	282					40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	17	17				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1035	1035					40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	694	694				
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	1852	1852					40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	113	113				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	53	53					40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	107	107				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	53	53					40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	102	102				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	53	53					40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	26	26				
25100630	EROSION CONTROL BLANKET	SO YD	2814	2814													
25200110	SODDING, SALT TOLERANT	SO YD	2814	2814													

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1434	1434					
42101300	PROTECTIVE COAT	SQ YD	2191	1385		806			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	15335	8078		7257			
42400800	DETECTABLE WARNINGS	SQ FT	118	118					
44000100	PAVEMENT REMOVAL	SQ YD	137	137					
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	11406	11406					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	210	210					
44000400	GUTTER REMOVAL	FOOT	535	535					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2210	2210					
44000600	SIDEWALK REMOVAL	SQ FT	11799	7673		4126			
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	608	608					
44003100	MEDIAN REMOVAL	SQ FT	201	201					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	161	161					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	215	215					
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	161	161					

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	184	184					
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	229	229					
55100400	STORM SEWER REMOVAL 10"	FOOT	74	74					
55100700	STORM SEWER REMOVAL 15"	FOOT	18	18					
56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	3					3	
60107600	PIPE UNDERDRAINS 4"	FOOT	1863	1863					
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1963	1963					
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	100	100					
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4					
60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3					
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	5	5					
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2					

FILE NAME :	USER NAME : jorand	DESIGNED -	REVISED -
PLT SCALE : 100.0000' / 1"	CHECKED -	REVISED -	REVISED -
PLT DATE : 3/25/2006	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 68 AT McHENRY /WHEELING RD
SUMMARY OF QUANTITIES**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V96	

Rev.

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT	
60224446	MANHOLES, TYPE A, 7' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1					1	
60500040	REMOVING MANHOLES	EACH	4	4					
60500050	REMOVING CATCH BASINS	EACH	5	5					
60500060	REMOVING INLETS	EACH	4	4					
60602800	CONCRETE GUTTER, TYPE B	FOOT	410	410					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 12	FOOT	1696	1696					
60619600	CONCRETE MEDIAN, TYPE SB-6, 12	SO FT	1310	1310					
60623200	CONCRETE MEDIAN, TYPE SM-6, 24	SO FT	251	251					
60624600	CORRUGATED MEDIAN	SO FT	17	17					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	425	425					
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8					

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					
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67100100	MOBILIZATION	L SUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4279	4279					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	328	328					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5202	5202					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1063	1063					
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	62	62					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	996	996					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	191	191					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	4010	4010					
* 72000100	SIGN PANEL - TYPE 1	SO FT	97	34	63				
* 72000200	SIGN PANEL - TYPE 2	SO FT	25		25				
* 72400710	RELOCATE SIGN PANEL-TYPE 1	SO FT	63	63					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	328	328					
* 72400500	RELOCATE SIGN PANEL ASSEMBLY-	EACH	7	7					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4" TYPE A	FOOT	5202	5202					
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	45	45					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1063	1063					
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	2	2					

*specialty items

Rev.

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FILE NAME:	USER NAME: 2012/00/00	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 68 AT McHENRY /WHEELING RD SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFFICE: 011001-011101-1-Projects-P124812-CADD-Design-P124812-20R-MR-Design	PLOT SCALE: 1000000' / 1"	CHECKED -	REVISED -			343	304IN-4(12)	COOK	93	5
PLOT DATE: 3/25/2016	DATE -	REVISED -				CONTRACT NO. 60V96			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.								

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	62	62				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	996	996				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	191	191				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	189	189				
78300100	PAVEMENT MARKING REMOVAL	50 FT	3212	3212				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	151	151				
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	1				
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1663	1663				
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	59	59				
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106	106				
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	598	598				
81400100	HANDHOLE	EACH	5	5				
81400200	HEAVY-DUTY HANDHOLE	EACH	4	4				

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
81400300	DOUBLE HANDHOLE	EACH	3		3			
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2			
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1			
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1667		1667			
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2055		2055			
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3461		3461			
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3583		3583			
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1574		1574			
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3313		3313			
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	184		184			
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	862		862			

*Specialty Items

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2		2			
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2		2			
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1			
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1			
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1			
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1			
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16			
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4			
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5		13.5			
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39		39			
87900200	DRILL EXISTING HANDHOLE	EACH	2		2			
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9		9			
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6		6			

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3			
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3		3			
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10		10			
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12		12			
88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10			
88600100	DETECTOR LOOP, TYPE I	FOOT	794		794			
88700200	LIGHT DETECTOR	EACH	3				3	
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				1	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	9		9			
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1017		1017			
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1			
89502380	REMOVE EXISTING HANDHOLE	EACH	13		13			

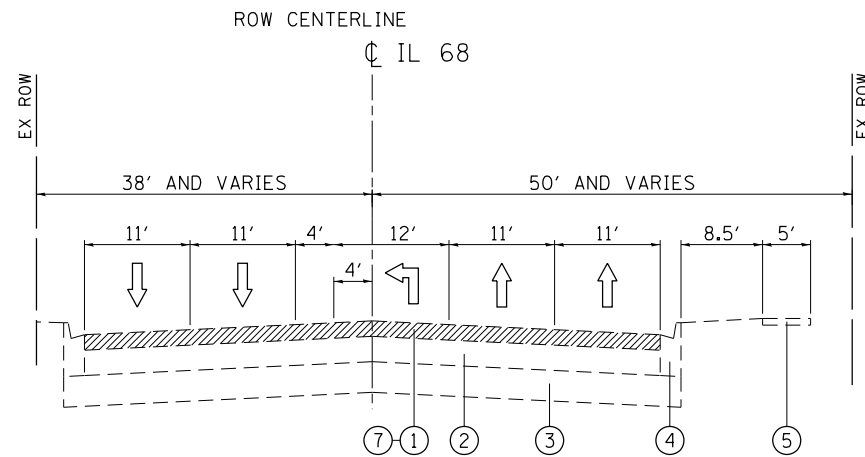
**Specialty Items*

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1			
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8		8			
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	952				952	
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	949		949			
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1			
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4				
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	95	95				
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	70	70				
X4403300	CONCRETE MEDIAN REMOVAL	SO FT	253	253				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	230	230				
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	5	5				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				

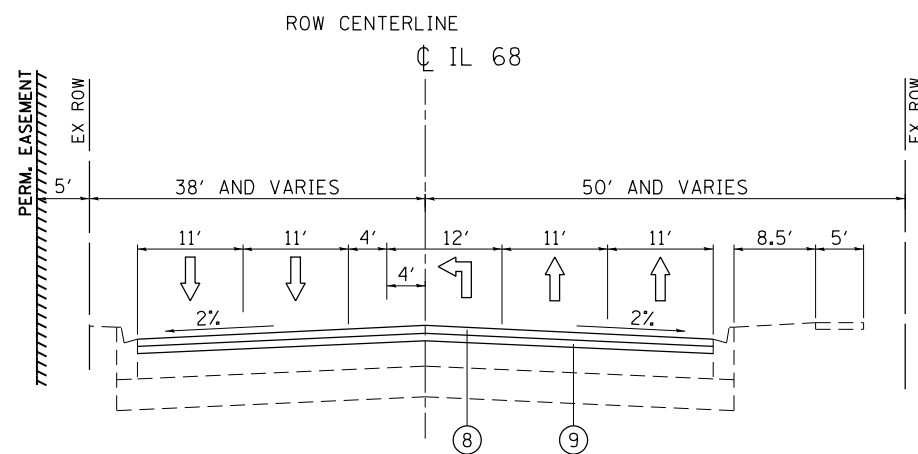
SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE STATE URBAN	0021 80% FED 20% STATE TRAFFIC SIGNALS	0028 80% STATE 20% WHEELING SIDEWALK	0021 100% WHEELING EVP	0043 100% WHEELING FIRE HYDRANT
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	328	328				
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	5202	5202				
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	1063	1063				
X7030050	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	62	62				
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	191	191				
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1			
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1690		1690			
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	15	15				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8				
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1			
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1			

12

*specialty items



EXISTING TYPICAL CROSS SECTION
IL ROUTE 68 (DUNDEE RD)
WEST LEG
STA 112+15 TO STA 115+00



PROPOSED TYPICAL CROSS SECTION
IL ROUTE 68 (DUNDEE RD)
WEST LEG
STA 112+15 TO STA 115+00

LEGEND:

- ① EXISTING HMA, 3"
- ② EXISTING P.C.C. PAVEMENT, ± 9¾" - 10"
- ③ EXISTING AGGREGATE SUB-GRADE, 6"-12"
- ④ EXISTING COMB CONC CURB AND GUTTER, TYPE B-6.12
- ⑤ EXISTING P.C.C. SIDEWALK
- ⑥ EXISTING P.C.C. MEDIAN (TO BE REMOVED)
- ⑦ PROPOSED HMA SURFACE REMOVAL, 3"
- ⑦A PROPOSED PAVEMENT REMOVAL
- ⑧ PROPOSED POLY. HMA SURFACE COURSE, MIX "E", N70, 2"
- ⑨ PROPOSED POLY. LEVELING BINDER (MM), IL-4.75, N50, 1"
- ⑩ PROPOSED HMA BASE COURSE, 6¾"
- ⑪ PROPOSED COMB CONC CURB AND GUTTER, TYPE B-6.12
- ⑫ PROPOSED CONC GUTTER, TYPE B
- ⑬ PROPOSED TIE BARS (SEE DISTRICT DETAIL BD-24)
- ⑭ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑮ PROPOSED HMA SURFACE COURSE, MIX "D, N50, (IL-9.5 mm), 2" (C.E.)
- ⑯ PROPOSED HMA BASE COURSE (HMA BINDER IL-19mm), 8" (C.E.)
- ⑰ PROPOSED TOPSOIL EXCAVATION AND PLACEMENT (4") AND SODDING, SALT TOLERANT
- ⑱ PROPOSED P.C.C. SIDEWALK, 5"
- ⑲ PROPOSED P.C.C. MEDIAN, SB-6.12

PAVEMENT PATCHING SHALL BE DONE PRIOR TO MILLING THE ROADWAY SURFACE, PER BD-22 DETAIL.

FOR MIXTURE REQUIREMENTS, SEE SCHEDULES OF QUANTITIES SHEET.

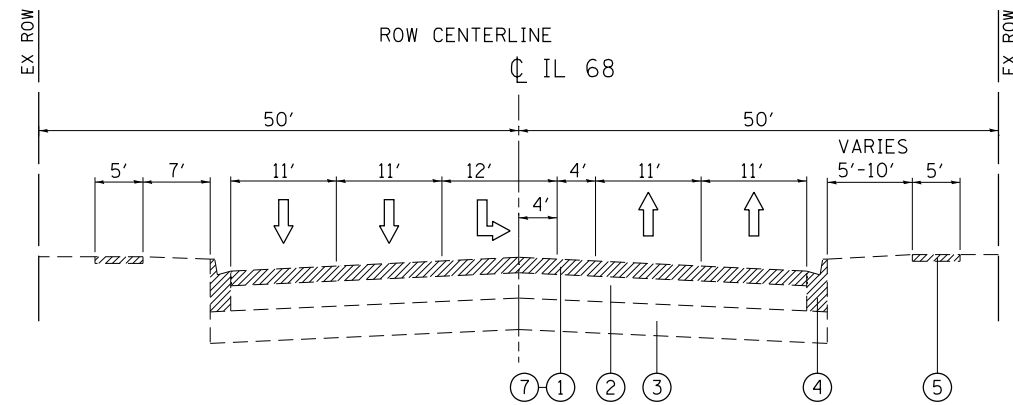
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

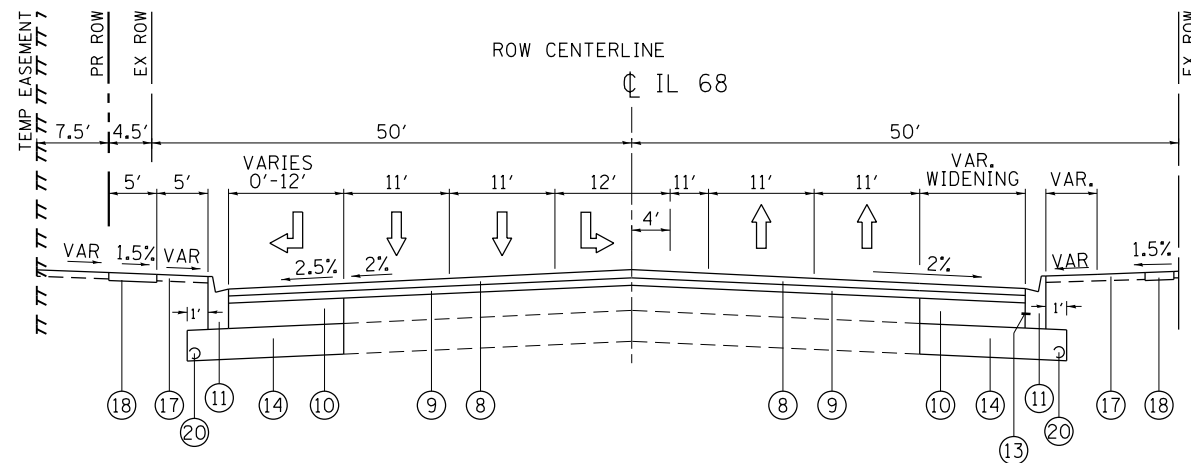
TYPICAL CROSS SECTIONS
IL ROUTE 68 AT McHENRY /WHEELING RD

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	9
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL CROSS SECTION
 IL ROUTE 68 (DUNDEE RD)
 EAST LEG
 STA 115+00 TO STA 119+53



PROPOSED TYPICAL CROSS SECTION
 IL ROUTE 68 (DUNDEE RD)
 EAST LEG
 STA 115+00 TO STA 119+53

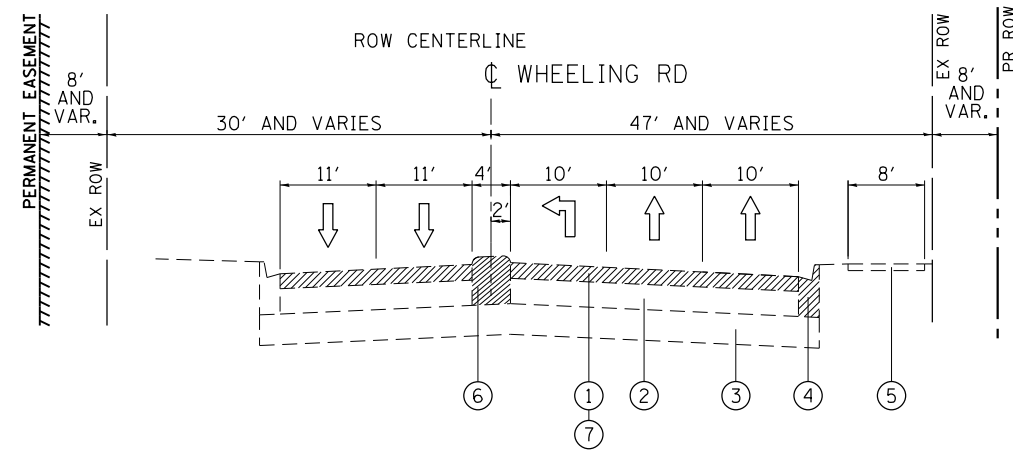
LEGEND:

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- ② EXISTING P.C.C. PAVEMENT, ± 9¾" - 10"
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- ⑤ EXISTING P.C.C. SIDEWALK
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- ⑳ PROPOSED PIPE UNDERDRAIN, TYPE 2, 4"

PAVEMENT PATCHING SHALL BE DONE PRIOR TO MILLING THE ROADWAY SURFACE, PER BD-22 DETAIL.

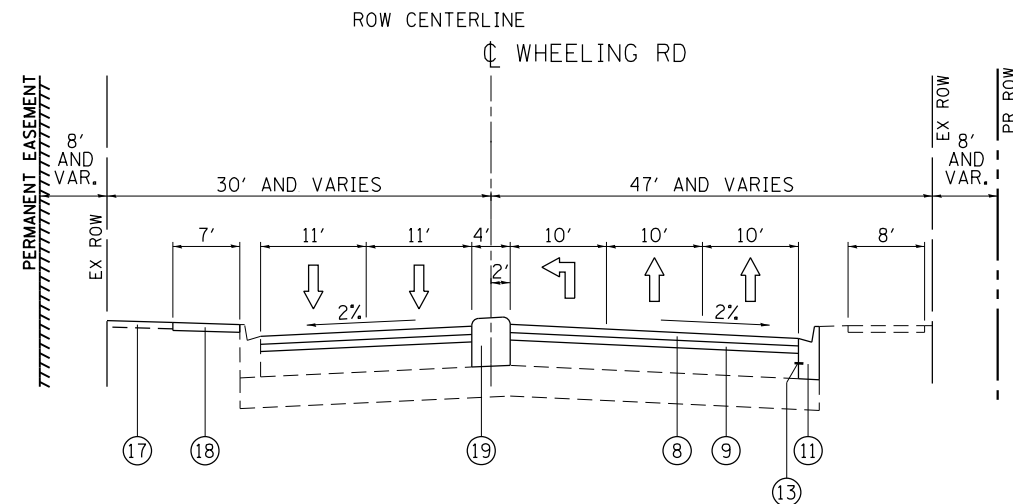
FOR MIXTURE REQUIREMENTS, SEE SCHEDULES OF QUANTITIES SHEET.

FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS IL ROUTE 68 AT McHENRY /WHEELING RD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-sh1-genote.dgn		CHECKED -	REVISED -		343	3041N-4(12)	COOK	93	10			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 60V96							
	PLOT DATE = 4/18/2016				ILLINOIS FED. AID PROJECT							



EXISTING TYPICAL CROSS SECTION

WHEELING RD
SOUTH LEG
STA 498+90 TO STA 500+00



PROPOSED TYPICAL CROSS SECTION

WHEELING RD
SOUTH LEG
STA 498+90 TO STA 500+00

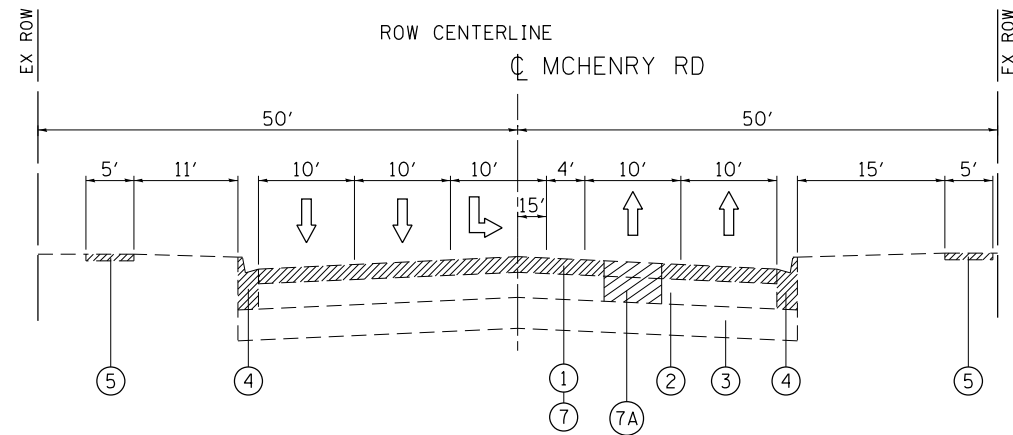
LEGEND:

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- ⑯ PROPOSED HMA BASE COURSE (HMA BINDER IL-19mm), 8" (C.E.)
- ⑰ PROPOSED TOPSOIL EXCAVATION AND PLACEMENT (4") AND SODDING, SALT TOLERANT
- ⑱ PROPOSED P.C.C. SIDEWALK, 5"
- ⑲ PROPOSED P.C.C. MEDIAN, SB-6.12

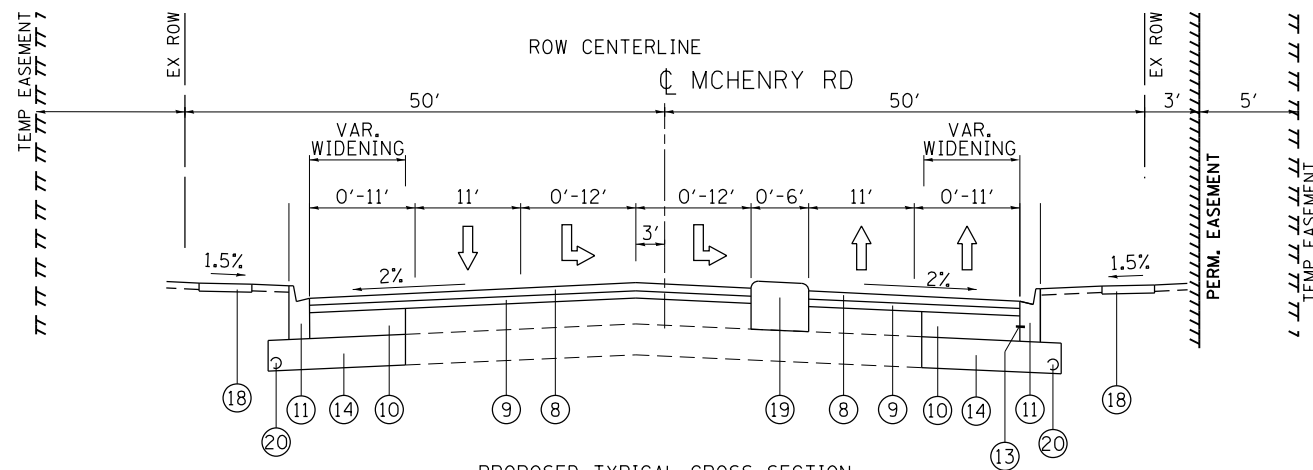
PAVEMENT PATCHING SHALL BE DONE PRIOR TO MILLING THE ROADWAY SURFACE, PER BD-22 DETAIL.

FOR MIXTURE REQUIREMENTS, SEE SCHEDULES OF QUANTITIES SHEET.

FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS IL ROUTE 68 AT McHENRY /WHEELING RD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-shr-genote.dgn		CHECKED -	REVISED -		343	3041N-4(12)	COOK	93	11			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 60V96							
	PLOT DATE = 3/25/2016				SCALE: NONE	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT



EXISTING TYPICAL CROSS SECTION
MCHENRY RD
NORTH LEG
STA 500+00 TO 505+70



PROPOSED TYPICAL CROSS SECTION
MCHENRY RD
NORTH LEG
STA 500+00 TO STA 511+18

PROPOSED P.C.C. MEDIAN:
STA 500+72 TO STA 502+78

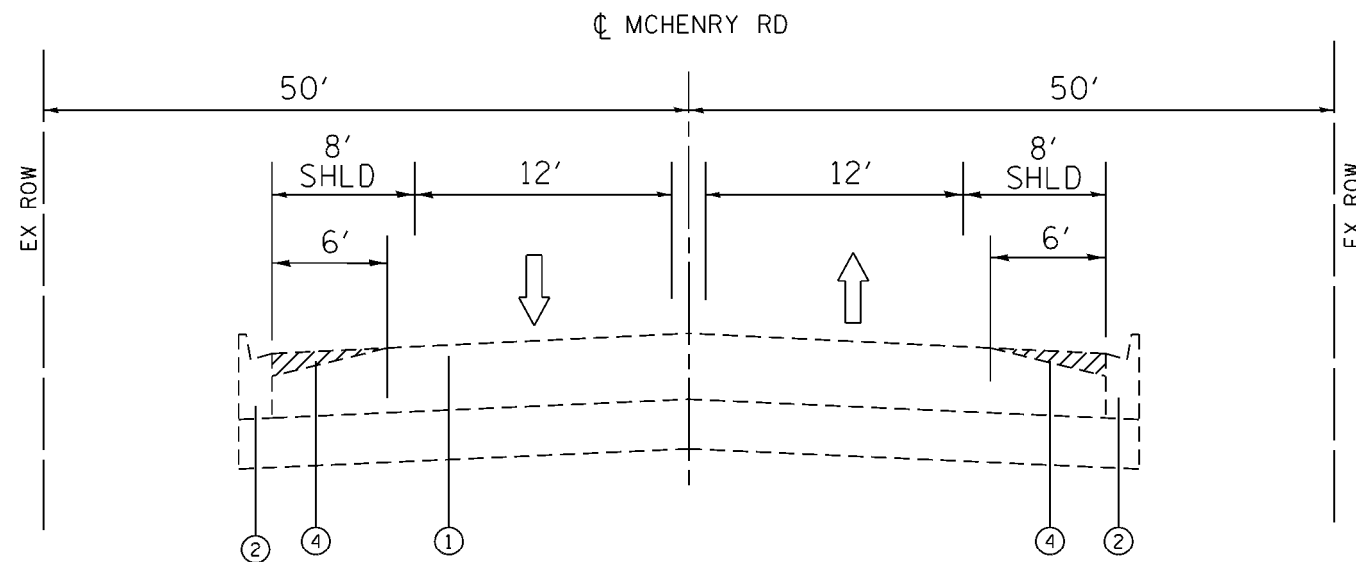
LEGEND:

- ① EXISTING HMA, 3"
- ② EXISTING P.C.C. PAVEMENT, ± 9¾" - 10"
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- ⑰ PROPOSED TOPSOIL EXCAVATION AND PLACEMENT (4") AND SODDING, SALT TOLERANT
- ⑱ PROPOSED P.C.C. SIDEWALK, 5"
- ⑲ PROPOSED P.C.C. MEDIAN, SB-6.12
- ⑳ PROPOSED PIPE UNDERDRAIN, TYPE 2, 4"

PAVEMENT PATCHING SHALL BE DONE PRIOR TO MILLING THE ROADWAY SURFACE, PER BD-22 DETAIL.

FOR MIXTURE REQUIREMENTS, SEE SCHEDULES OF QUANTITIES SHEET.

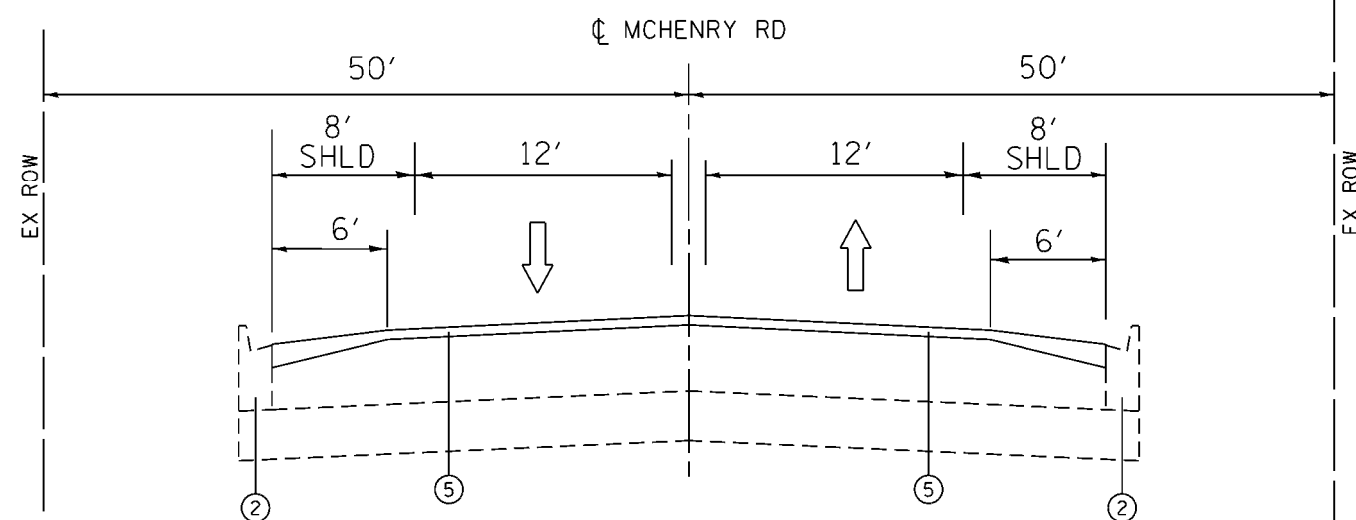
FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS IL ROUTE 68 AT MCHENRY /WHEELING RD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 60V96				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/18/2016				SCALE: NONE	SHEET	OF	SHEETS	STA.	TO	STA.		



EXISTING TYPICAL CROSS SECTION

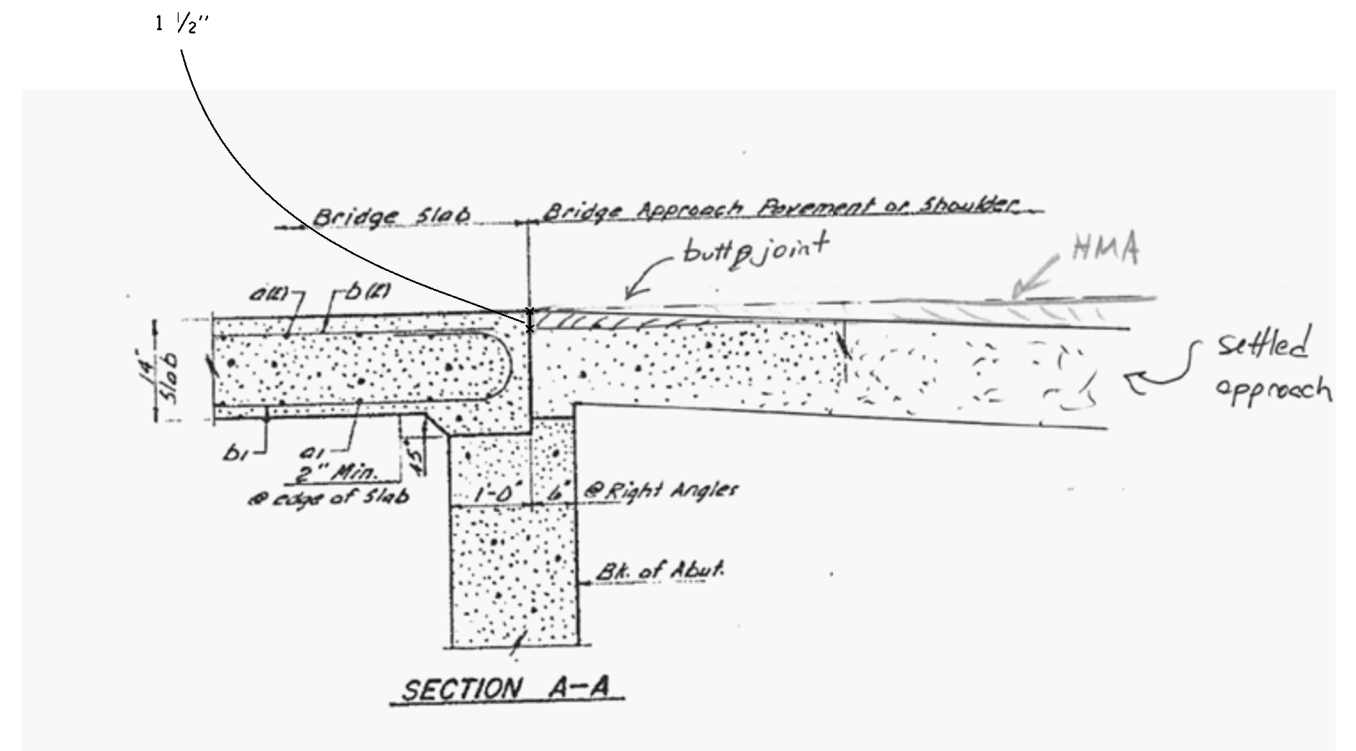
MCHENRY RD OVER BUFFALO CREEK / WHEELING DRAINAGE DITCH APPROACH PAVEMENT
 STA 510+25 TO 511+18
 RESURFACING OMISSION:
 PCC BRIDGE DECK SECTION

- ① EXISTING PCC APPROACH SLAB (NORTH AND SOUTH OF PCC BRIDGE SECTION, (APPROXIMATELY AT STA. 510+25 TO STA. 510+47 FOR THE SOUTH SLAB AND STA. 510+70 TO STA. 510+93 FOR THE NORTH SLAB))
- ② EXISTING P.C.C. CURB AND GUTTER
- ③ PROP. P.C.C. SURFACE REMOVAL - BUTT JOINT
- ④ PROP. PCC SURFACE REMOVAL, VARIABLE DEPTH (NOTE: SEE DISTRICT DETAIL BD-33 FOR MAXIMUM MILLING AT EDGE OF PAVEMENT)
- ⑤ PROP. POLY. HMA SURFACE CRSE, MIX "E", N70, 1 3/4"



PROPOSED TYPICAL CROSS SECTION

MCHENRY RD OVER BUFFALO CREEK / WHEELING DRAINAGE DITCH APPROACH PAVEMENT
 STA 510+25 TO 511+18
 RESURFACING OMISSION:
 PCC BRIDGE DECK SECTION



NOTE:
 THE CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING HOT-MIX ASPHALT RAMPS OVERLAYING THE BRIDGE APPROACH PAVEMENT SLABS LOCATED AT STATIONS 510+25 TO 510+47 AND 510+70 TO XXX+XX. THIS SHALL BE PAID FOR AS "HMA SURFACE REMOVAL VARIABLE DEPTH."

THE CONTRACTOR SHALL NOT EXCEED A PCC REMOVAL DEPTH OF 1 1/2" ON THE EXISTING BRIDGE APPROACH PAVEMENT SLABS TO AVOID DAMAGING THE EXISTING APPROACH PAVEMENT REINFORCEMENT.

THE CONTRACTOR SHALL PROVIDE A SMOOTH HOT-MIX ASPHALT OVERLAY TRANSITION BETWEEN THE MAINLINE OF MCHENRY ROAD AND EXISTING BRIDGE DECK TO THE SATISFACTION OF THE ENGINEER.

FILE NAME =	USER NAME = paragnal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE PCC APPROACH SLAB REPAIR, TYPICAL CROSS SECTION IL ROUTE 68 AT MCHENRY /WHEELING RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\ill084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-shr-genote.dgn		REVISED -	REVISED -			343	3041N-412)	COOK	93	13	
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			CONTRACT NO. 60V96					
	PLOT DATE = 3/25/2016	DATE -	REVISED -			SCALE: NONE	SHEET	OF	SHEETS	STA.	TO

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

EARTHWORK SCHEDULE

1 LOCATION	2 EARTH EXCAVATION (CU. YD)	3 UNSUITABLE OR UNSTABLE MATERIAL (CU. YD)	4 EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU. YD)	5 EMBANKMENT (CU. YD)	6 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD)	7 TOPSOIL EXCAVATION AND PLACEMENT (CU. YD)	8 TOPSOIL FURNISH AND PLACE, 6" (SQ. YD)
IL. RTE. 68 (WEST LEG)	252	52	214	0	214	52	0
IL. RTE. 68 (EAST LEG)	674	259	573	0	573	377	711
WHEELING (NORTH LEG)	1055	400	897	0	897	580	1080
MCHENRY (SOUTH LEG)	8	16	7	0	7	26	61
TOTAL	1989	727	1691	0	1691	1035	1852

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

COLUMN 3 QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR SHRINKAGE FACTOR OF 15%.

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

MIXTURE TYPE	AIR VOIDS (%) @ Ndes	OMP
RESURFACING AND SURFACING OF WIDENING SECTIONS		
POLY HMA SURFACE COURSE MIX "E", N70 (IL 9.5mm), 2"	4% @ 90 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 "	3.5% @ 50 GYR.	QC/OA
WIDENING		
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 6 3/4"	4% @ 70 GYR.	QC/OA
HOT-MIX ASPHALT PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm), 10"	4% @ 70 GYR.	QC/OA
HMA REPLACEMENT OVER PATCHES		
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
HMA DRIVEWAY (C.E.)		
HMA SURFACE COURSE MIX "D", N50, (IL-9.5mm), 2"	4% @ 50 GYR.	QC/OA
HMA BINDER (IL-19mm), 8"	4% @ 50 GYR.	QC/OA

OMP Designation: Quality Control/Quality Assurance (QC/OA); Quality Control for Performance (OCP).

NOTES:

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

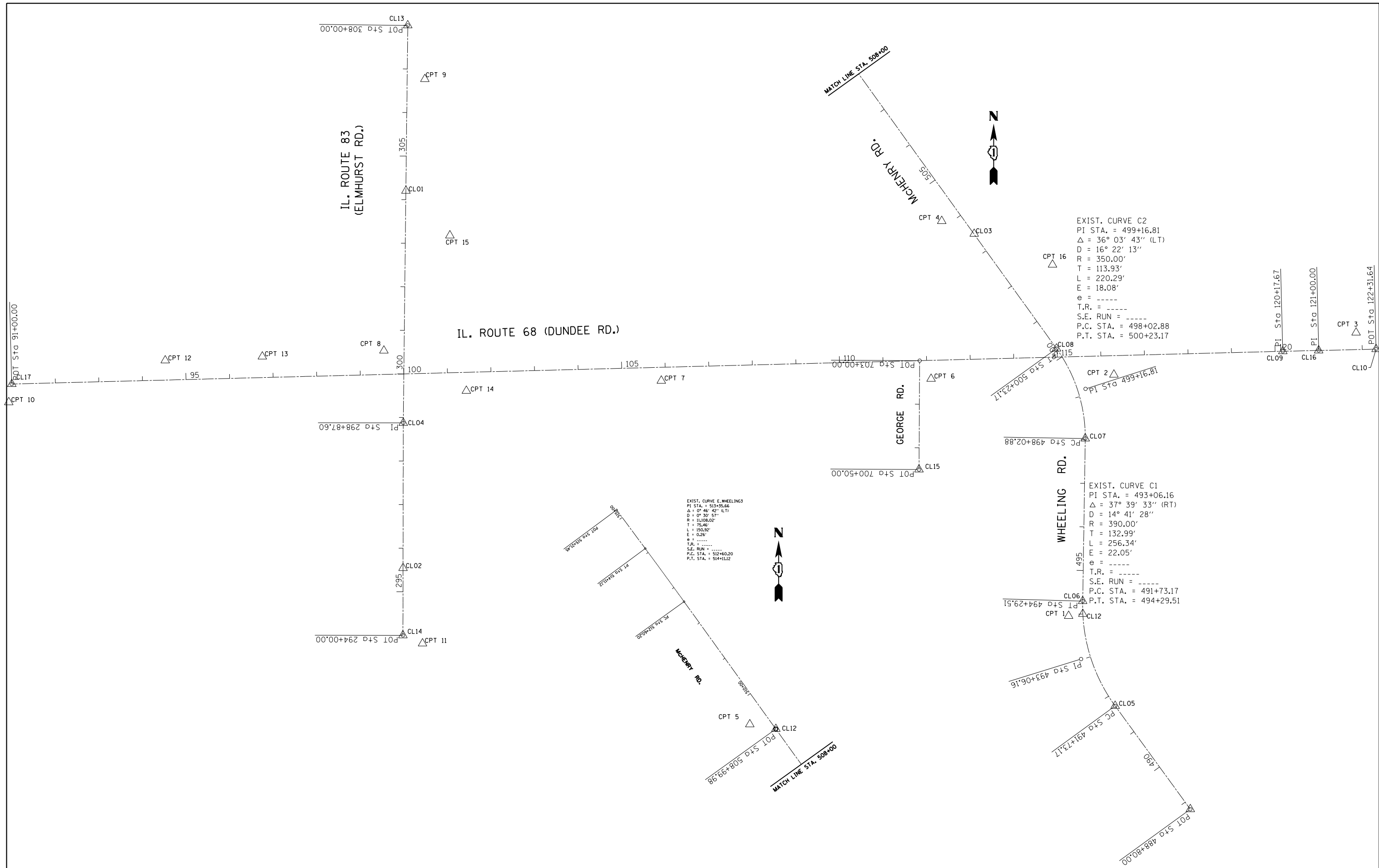
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE MIXTURE.

PAVEMENT PATCHING SHALL BE DONE PRIOR TO MILLING THE ROADWAY SURFACE, PER BD-22 DETAIL

TREE REMOVAL SCHEDULE

ROADWAY	STATION AND OFFSET	6 TO 15 UNITS	OVER 15 UNITS
IL. RTE. 68 / DUNDEE ROAD	118+85.2 / 34.6 LT	8	
	118+33.5 / 34.7 LT	9	
	116+85.8 / 35.2 LT	8	
	116+42.2 / 35.4 LT	9	
MCHENRY / WHEELING ROAD	503+84.5 / 36.9 RT	12	
	506+68.8 / 48.8 RT	12	
	506+86.5 / 49.7 RT	12	
	507+14.4 / 34.8 LT		16
	506+81.7 / 34.3 LT	14	
	506+47.8 / 34.6 LT	6	
	506+12.3 / 34.2 LT	8	
	505+78.4 / 34.5 LT	7	
	505+43.1 / 35.5 LT	10	
	505+07.2 / 34.6 LT	10	
	504+38.0 / 34.8 LT	9	
	504+04.6 / 35.6 LT	12	
	502+99.3 / 35.2 LT	11	
	502+38.4 / 34.8 LT	14	
502+08.4 / 34.8 LT	6		



FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -
p:\1\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\P124812\Drawings\Design\P124812-shr-genote.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 3/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS, TIES AND BENCHMARKS
IL. RTE. 68 (DUNDEE RD.) AT MCHENRY RD/WHEELING RD.

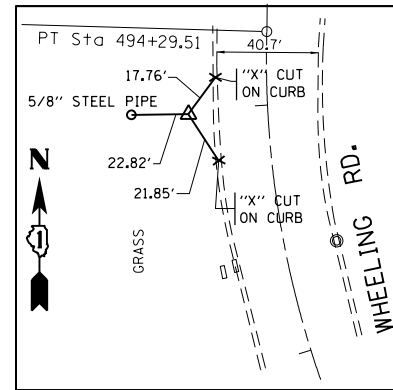
SCALE: 1"=100' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4 (12)	COOK	93	16
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				

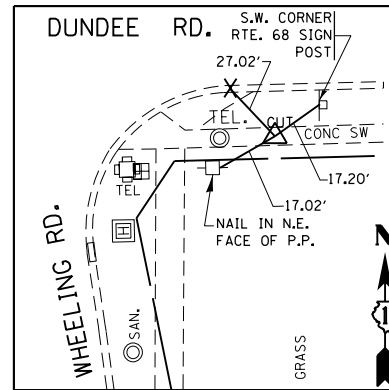
ALIGNMENT COORDINATES - IL. RTE. 68 (DUNDEE ROAD)				
IL. 68	STATION	N	E	
POT	91+00	1993538.8676	1090936.7768	
PI	120+17.67	1993614.0447	1093853.4755	
PI	121+00	1993615.9281	1093935.7866	
POT	122+31.64	1993618.9395	1094067.3918	

ALIGNMENT COORDINATES - IL. RTE. 83				
IL. 83	STATION	N	E	
POT	294+00	1992962.0666	1091834.4113	
PI	298+87.6	1993449.6649	1091835.2182	
POT	308+00	1994362.0083	1091845.4732	

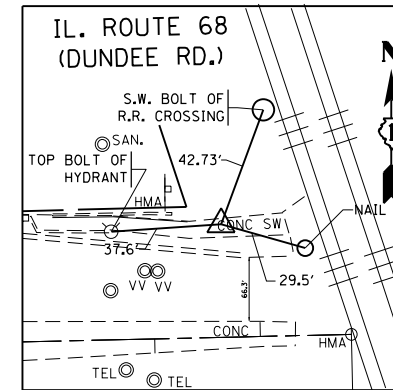
ALIGNMENT COORDINATES - WHEELING RD. - MCHENRY RD.				
	STATION	N	E	
POT	448+80	1992562.9489	1093641.2284	
PC	491+73.17	1992800.0516	1093468.7971	
PI	493+01.34	1992907.6086	1093390.5770	
PT	494+29.51	1993040.5467	1093394.3670	
PC	498+02.88	1993413.8716	1093400.2010	
PI	499+13.03	1993527.8013	1093400.8013	
PT	500+23.17	1993620.2533	1093334.2207	
PC	512+60.20	1994624.0684	1092611.3083	
PI	513+35.66	1994685.3000	1092567.2100	
PT	514+11.12	1994745.9314	1092522.2834	
POT	515+21.45	1994834.5776	1092456+5963	



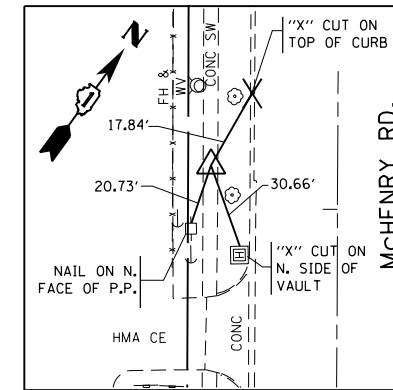
CONTROL POINT #1
SET CROSS IN PAVEMENT
STATION 493+97.24, 32.68 LT.
N 1993006.520
E 1093362.148
ELEVATION 649.599



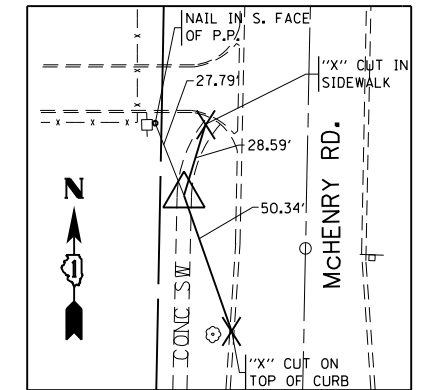
CONTROL POINT #2
SET CROSS ON SIDEWALK
STATION 116+28.79, 43.78 RT.
N 1993560.2540
E 1093465.8530
ELEVATION 649.011



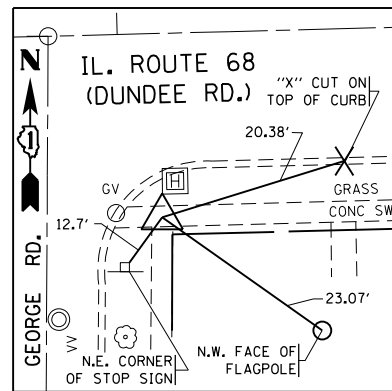
CONTROL POINT #3
STEEL METALLIC NAIL IN SIDEWALK
STATION 121+86.85, 39.03 LT.
N 1993656.9350
E 1094021.7200
ELEVATION 653.835



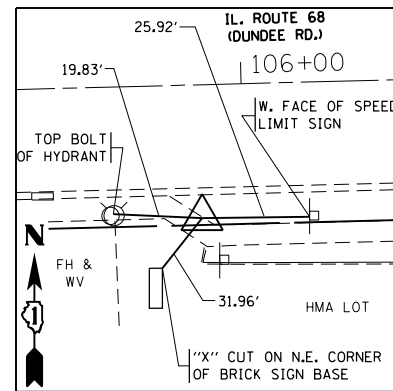
CONTROL POINT #4
SET CROSS IN SIDEWALK
STATION 504+14.65, 42.67' LT.
N 1993912.9690
E 1093070.8360
ELEVATION 650.428



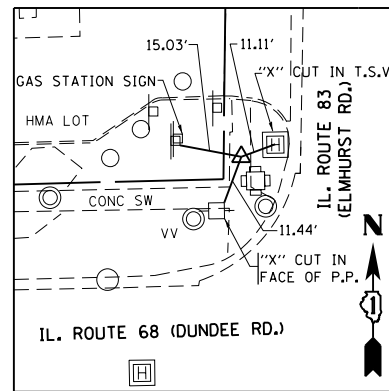
CONTROL POINT #5
SET CROSS IN SIDEWALK
STATION 509+43.55, 42.29' LT.
N 1994342.3780
E 1092762.0620
ELEVATION 653.160



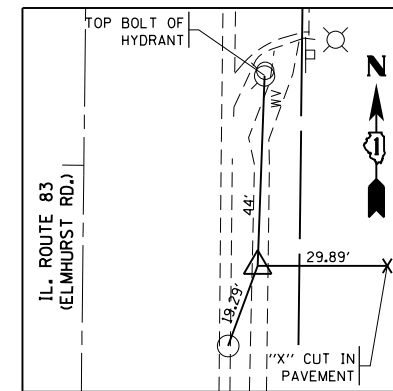
CONTROL POINT #6
SET CROSS IN SIDEWALK
STATION 112+09.32, 42.57' RT.
N 1993550.6560
E 1093046.4930
ELEVATION 649.937



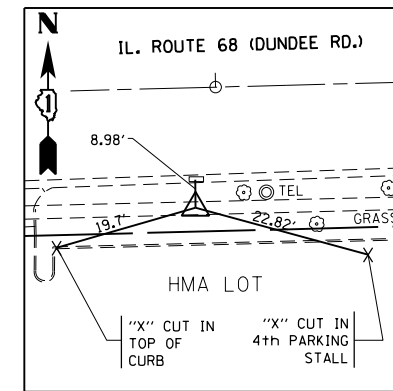
CONTROL POINT #7
SET CROSS IN SIDEWALK
STATION 105+00.19, 30.88' RT.
N 1993546.3920
E 1092427.2640
ELEVATION 649.937



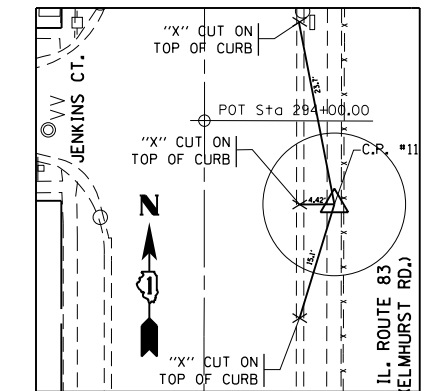
CONTROL POINT #8
SET CROSS IN SIDEWALK
STATION 99+55.60, 54.63' LT. (IL. RTE. 68)
STATION 300+52.95, 54.46' LT. (IL. RTE. 83)
N 1993615.5260
E 1091790.6820
ELEVATION 652.039



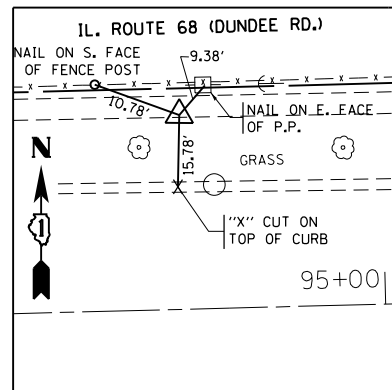
CONTROL POINT #9
SET CROSS IN SIDEWALK
STATION 306+77.15, 40.49' RT (IL. RTE. 83)
N 1994238.7120
E 1091884.5800
ELEVATION 653.092



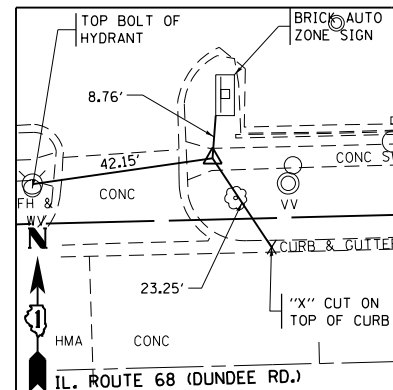
CONTROL POINT #10
SET CROSS IN SIDEWALK
STATION 90+91.96, 41.66' RT (IL. RTE. 68)
N 1993497.0100
E 1090929.8110
ELEVATION 652.585



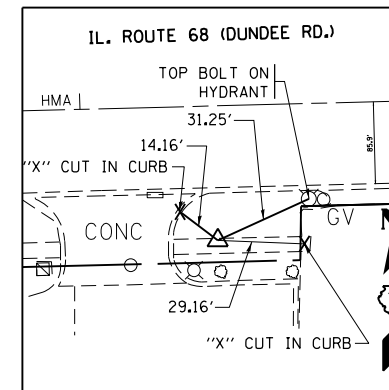
CONTROL POINT #11
SET CROSS IN SIDEWALK
STATION 293+81.30, 45.01' RT (IL. RTE. 83)
N 1992943.2900
E 1091879.3960
ELEVATION 654.644



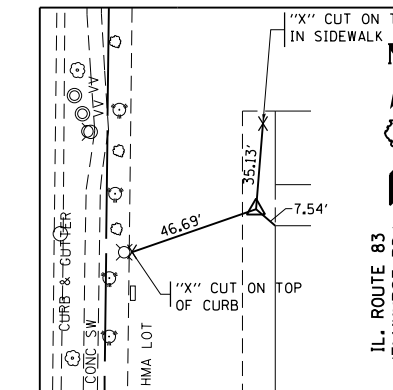
CONTROL POINT #12
SET CROSS IN SIDEWALK
STATION 94+53.31, 45.02' LT (IL. RTE. 68)
N 1993592.9750
E 1091288.8120
ELEVATION 651.919



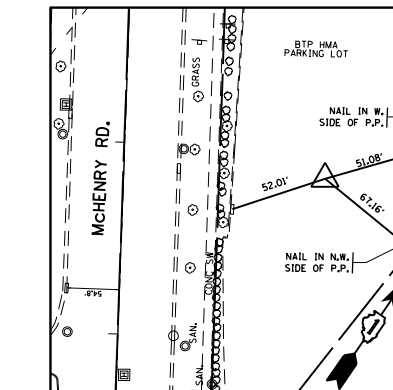
CONTROL POINT #13
SET CROSS IN SIDEWALK
STATION 96+76.47, 48.16' LT. (IL. RTE. 68)
N 1993601.8680
E 1091511.8160
ELEVATION 651.620



CONTROL POINT #14
SET CROSS IN SIDEWALK
STATION 101+42.45, 42.46' RT. (IL. RTE. 68)
N 1993523.2800
E 1091979.9740
ELEVATION 651.367



CONTROL POINT #15
SET CROSS IN SIDEWALK
STATION 303+19, 102.02' RT. (IL. RTE. 83)
N 1993879.8910
E 1091942.0790
ELEVATION 653.522



CONTROL POINT #16
SET CROSS IN PARKING LOT
STATION 501+84.76, 104.96' RT. (MCHENRY RD.)
N 1993812.7000
E 1093324.9780
ELEVATION 650.200

SITE BENCHMARK #1

R.R. SPIKE ON NORTH SIDE OF 1st POWER POLE NORTH OF EASTERLY COMMONWEALTH EDISON TOWER SOUTH OF DUNDEE RD. ON WEST SIDE OF WHEELING RD. ELEVATION 650.70

SITE BENCHMARK #2

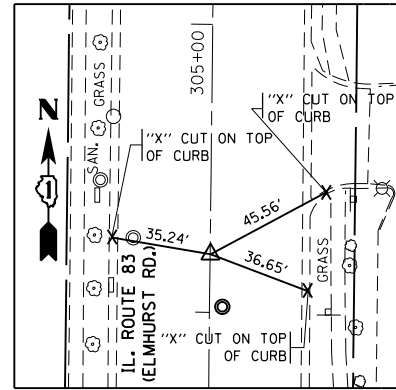
R.R. SPIKE ON NORTH SIDE OF POWER POLE WITH LIGHT AT SOUTHEAST CORNER OF DUNDEE RD. AND WHEELING RD. ELEVATION 649.59

SITE BENCHMARK #3

TAG BOLT ON 2nd HYDRANT NORTH OF DUNDEE RD. ON WEST SIDE OF MCHENRY RD. ELEVATION 652.16

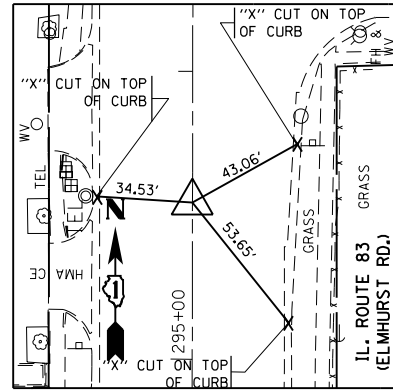
SITE BENCHMARK #4

ARROW BOLT ON HYDRANT AT NORTHWEST CORNER OF GEORGE RD. AND NORTH WAYNE PL. ELEVATION 652.15



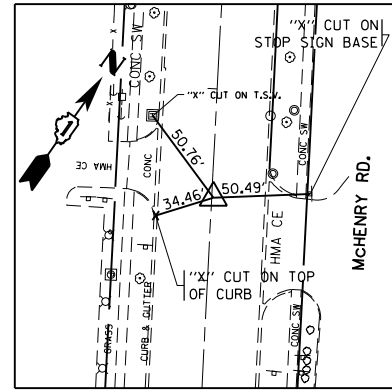
CONTROL POINT #CL01

SET CROSS IN C (IL. RTE. 83)
 STATION 304+20.22, 0.15' RT. (IL. RTE. 83)
 N 1993982.2480
 E 1091841.3530
 ELEVATION 651.961



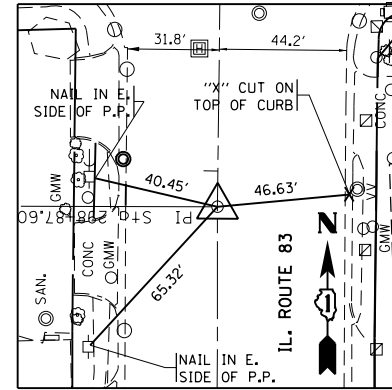
CONTROL POINT #CL02

SET CROSS IN C (IL. RTE. 83)
 STATION 295+54.41, 0.06' LT. (IL. RTE. 83)
 N 1993879.8910
 E 1091942.0790
 ELEVATION 653.579



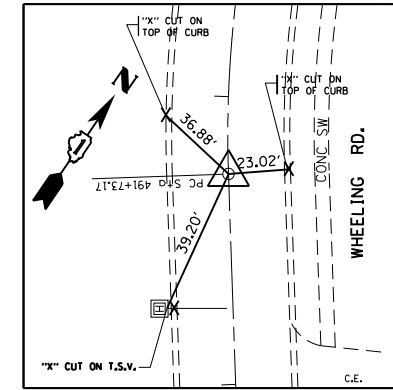
CONTROL POINT #CL03

SET CROSS IN C (MCHENRY RD.)
 STATION 503+47.33, 0.48' RT. (MCHENRY RD.)
 N 1993883.5580
 E 1093145.1930
 ELEVATION 649.906



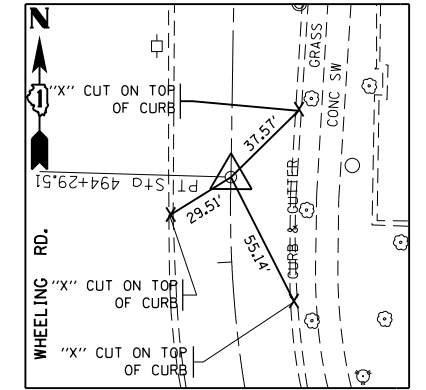
CONTROL POINT #CL04

SET CROSS IN C (IL. RTE. 83)
 STATION 298+87.60, 0.0' RT. (IL. RTE. 83)
 N 1993449.6649
 E 1091835.2182
 ELEVATION 652.197



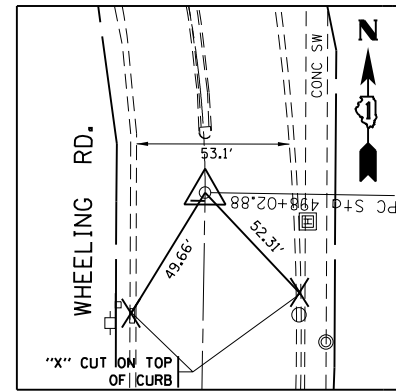
CONTROL POINT #CL05

SET CROSS IN C (WHEELING RD.)
 STATION 491+73.17, 0.0' RT. (WHEELING RD.)
 N 1992800.0516
 E 1093468.7971



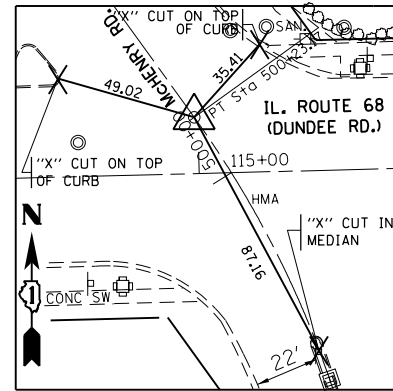
CONTROL POINT #CL06

SET CROSS IN C (WHEELING RD.)
 STATION 494+29.51, 0.00' RT. (WHEELING RD.)
 N 1993040.5467
 E 1093394.3670
 ELEVATION 649.173



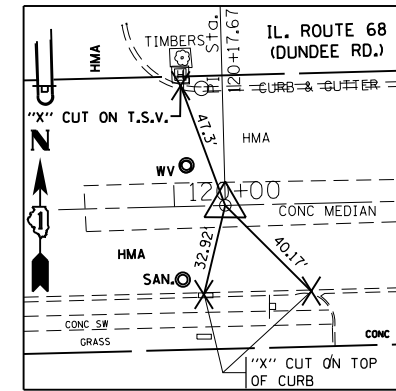
CONTROL POINT #CL07

SET CROSS IN C (IL. RTE. 83)
 STATION 498+02.88, 0.00' RT. (WHEELING RD.)
 N 1993413.8716
 E 1093400.2010
 ELEVATION 648.039



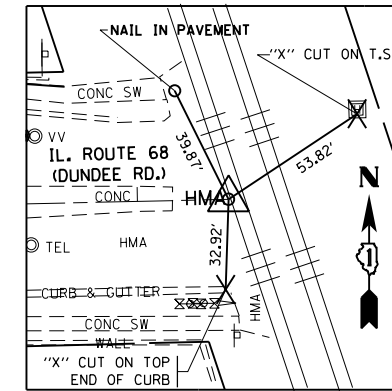
CONTROL POINT #CL08

SET CROSS IN C (MCHENRY RD.)
 STATION 500+23.20, 0.00' RT. (MCHENRY RD.)
 N 1993620.2533
 E 1093334.2207



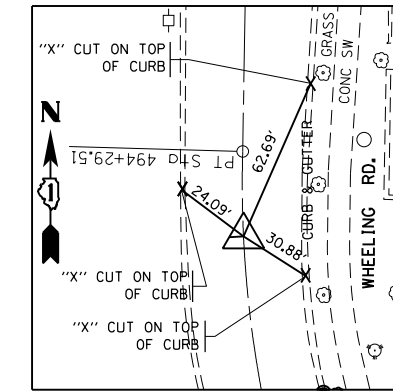
CONTROL POINT #CL09

SET CROSS IN C (IL. RTE. 68)
 STATION 120+17.67, 0.00' RT. (IL. RTE. 68)
 N 1993614.0447
 E 1093853.4755
 ELEVATION 650.456



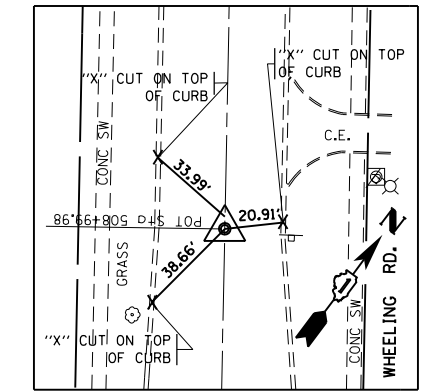
CONTROL POINT #CL10

SET CROSS IN C (IL. RTE. 68)
 STATION 122+31.64, 0.00' RT. (IL. RTE. 68)
 N 1993618.9395
 E 1094067.3918



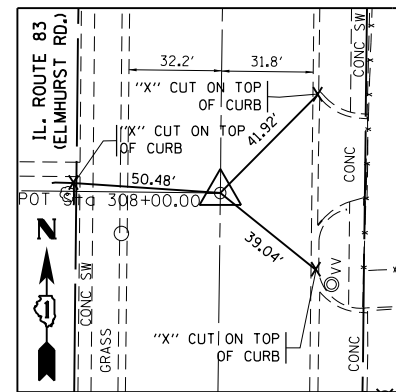
CONTROL POINT #CL11

SET CROSS IN C (WHEELING RD.)
 STATION 494+00.00, 0.00' RT. (WHEELING RD.)
 N 1993011.0435
 E 1093394.6424
 ELEVATION 649.301



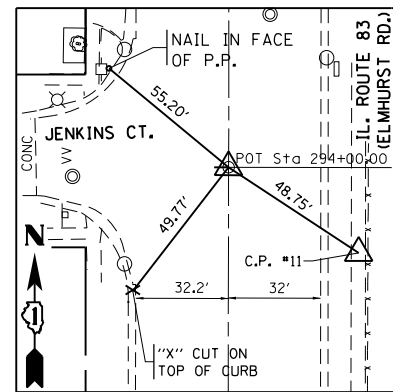
CONTROL POINT #CL12

SET CROSS IN C (MCHENRY RD.)
 STATION 508+99.98, 0.00' RT. (MCHENRY RD.)
 N 1994331.7533
 E 1092821.8233
 ELEVATION 652.888



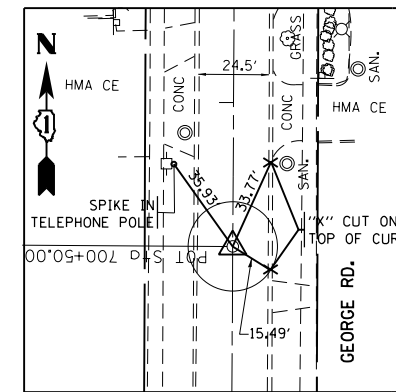
CONTROL POINT #CL13

SET CROSS IN C (IL. RTE. 83)
 STATION 308+00.00, 0.00' RT. (IL. RTE. 83)
 N 1994362.0083
 E 1091845.4732
 ELEVATION 653.256



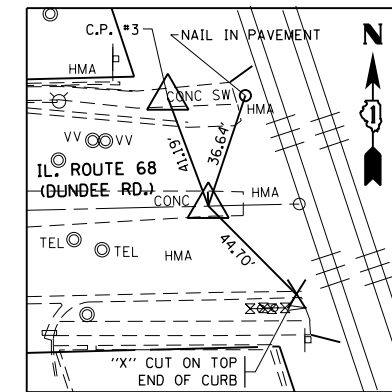
CONTROL POINT #CL14

SET CROSS IN C (IL. RTE. 83)
 STATION 294+00.00, 0.00' RT (IL. RTE. 83)
 N 1992962.0666
 E 1091834.4113
 ELEVATION 654.890



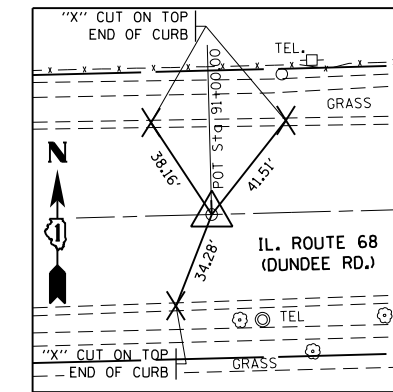
CONTROL POINT #CL15

SET CROSS IN C (GEORGE RD.)
 STATION 700+50.00, 0.00' RT (GEORGE RD.)
 N 1993342.5691
 E 1093018.6485



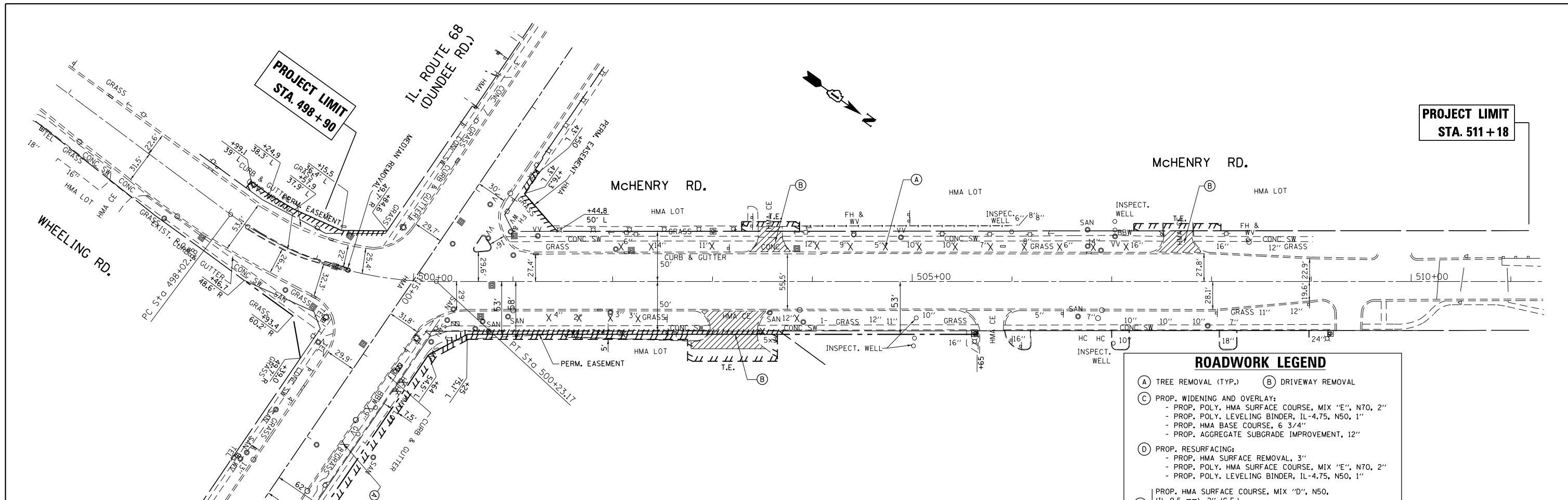
CONTROL POINT #CL16

SET CROSS IN C (IL. RTE. 68)
 STATION 122+00.00, 0.00' RT. (IL. RTE. 68)
 N 1993616.0890
 E 1093935.8620
 ELEVATION 652.474



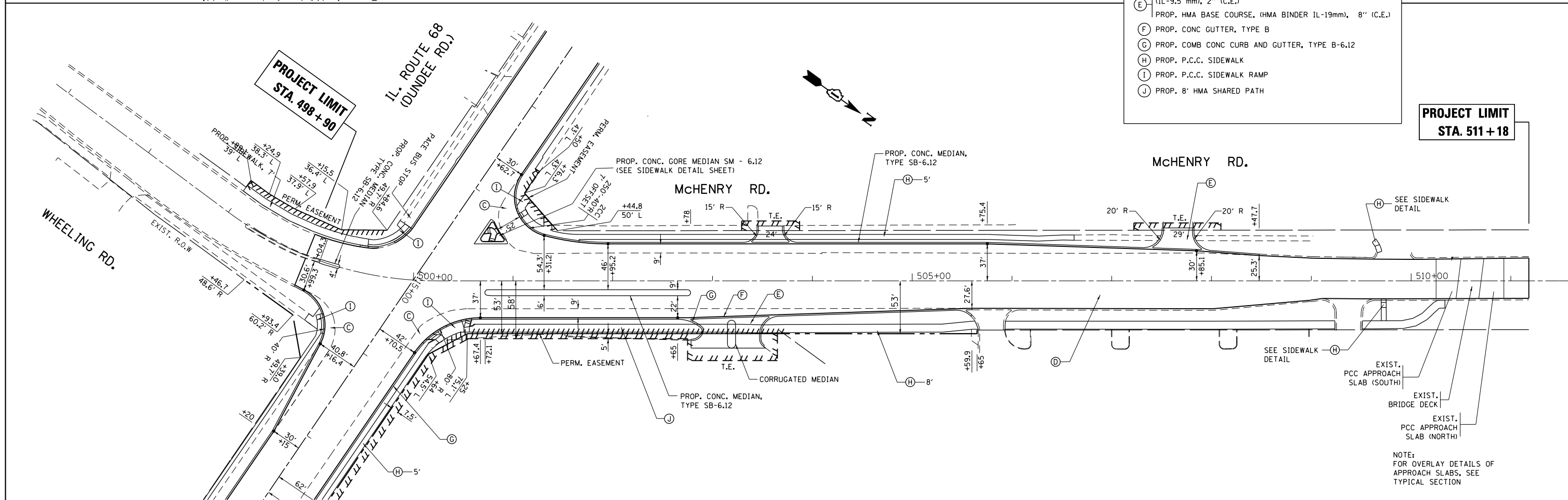
CONTROL POINT #CL17

SET CROSS IN C (IL. RTE. 68)
 STATION 91+00.00, 0.00' RT. (IL. RTE. 68)
 N 1993538.8676
 E 1090936.7768
 ELEVATION 653.815



**PROJECT LIMIT
STA. 511 + 18**

- ROADWORK LEGEND**
- (A) TREE REMOVAL (TYP.) (B) DRIVEWAY REMOVAL
 - (C) PROP. WIDENING AND OVERLAY:
 - PROP. POLY. HMA SURFACE COURSE, MIX "E", N70, 2"
 - PROP. POLY. LEVELING BINDER, IL-4.75, N50, 1"
 - PROP. HMA BASE COURSE, 6 3/4"
 - PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (D) PROP. RESURFACING:
 - PROP. HMA SURFACE REMOVAL, 3"
 - PROP. POLY. HMA SURFACE COURSE, MIX "E", N70, 2"
 - PROP. POLY. LEVELING BINDER, IL-4.75, N50, 1"
 - (E) PROP. HMA SURFACE COURSE, MIX "D", N50,
(IL-9.5 mm), 2" (C.E.)
PROP. HMA BASE COURSE, (HMA BINDER IL-19mm), 8" (C.E.)
 - (F) PROP. CONC GUTTER, TYPE B
 - (G) PROP. COMB CONC CURB AND GUTTER, TYPE B-6.12
 - (H) PROP. P.C.C. SIDEWALK
 - (I) PROP. P.C.C. SIDEWALK RAMP
 - (J) PROP. 8' HMA SHARED PATH



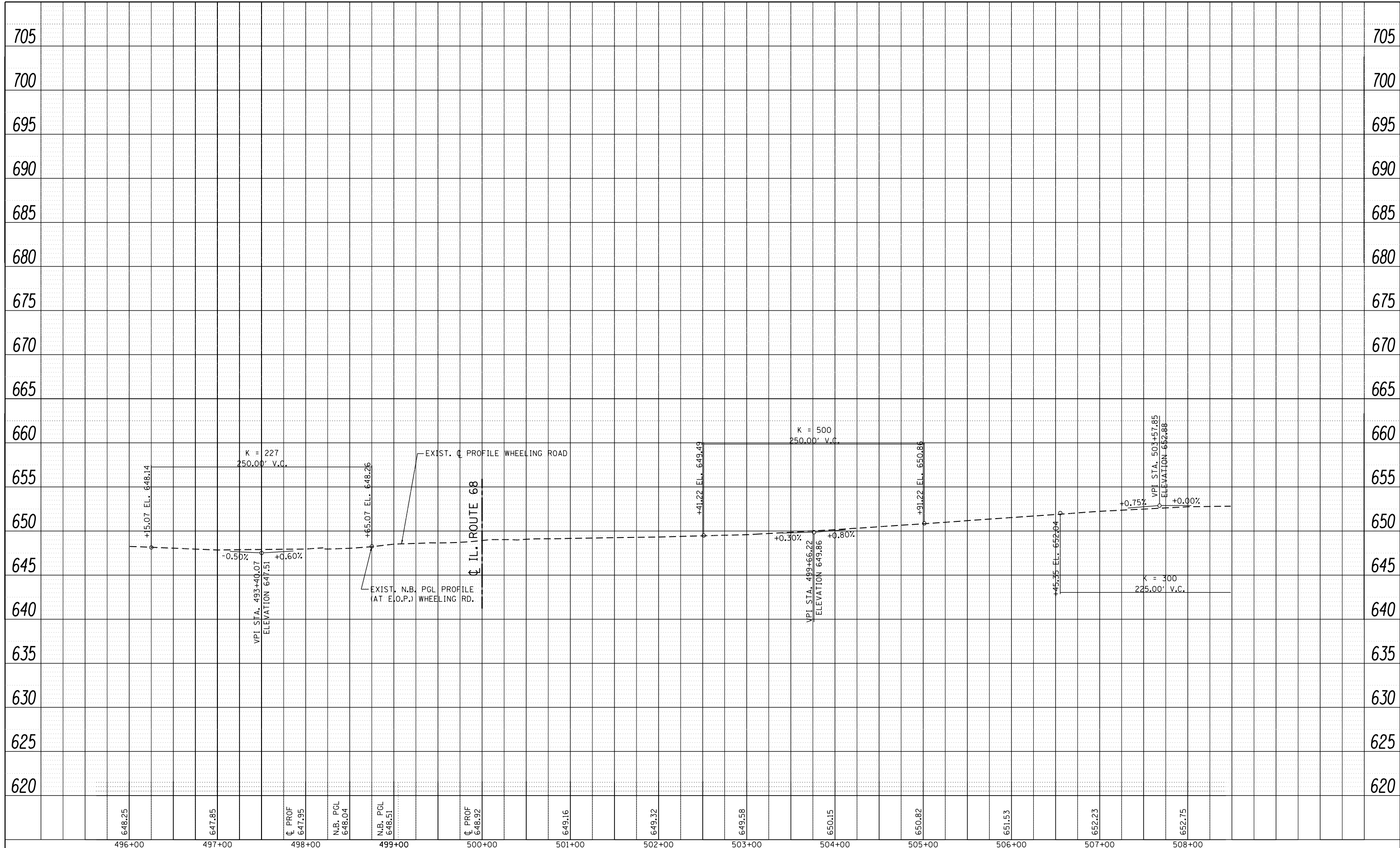
**PROJECT LIMIT
STA. 511 + 18**

NOTE:
FOR OVERLAY DETAILS OF
APPROACH SLABS, SEE
TYPICAL SECTION

FILE NAME =	USER NAME = parayno1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL. ROUTE 68 (DUNDEE RD.) AT McHENRY RD./WHEELING RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P124812\Drawings\Design\P124812-shr-gennote.dgn		CHECKED -	REVISED -			343	3041N-4 (12)	COOK	93	20
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 60V96			ILLINOIS FED. AID PROJECT	
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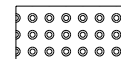
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	PLOTTED	BY
	ALIGNMENT	
	CHECKED	
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	PLOTTED	BY
	GRADES	
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	NOT AT THIS OFFICE	

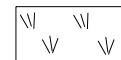


FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE IL. ROUTE 68 (DUNDEE RD.) AT McHENRY RD/WHEELING RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PI24812\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-sht-gennote.dgn		DRAWN -	REVISED -			343	3041N-4 (12)	COOK	93	21
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 60V96				
PLOT DATE = 3/24/2016		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

ROADSIDE WORK LEGEND



DETECTABLE WARNING



LANDSCAPING

② — SIDE CURB

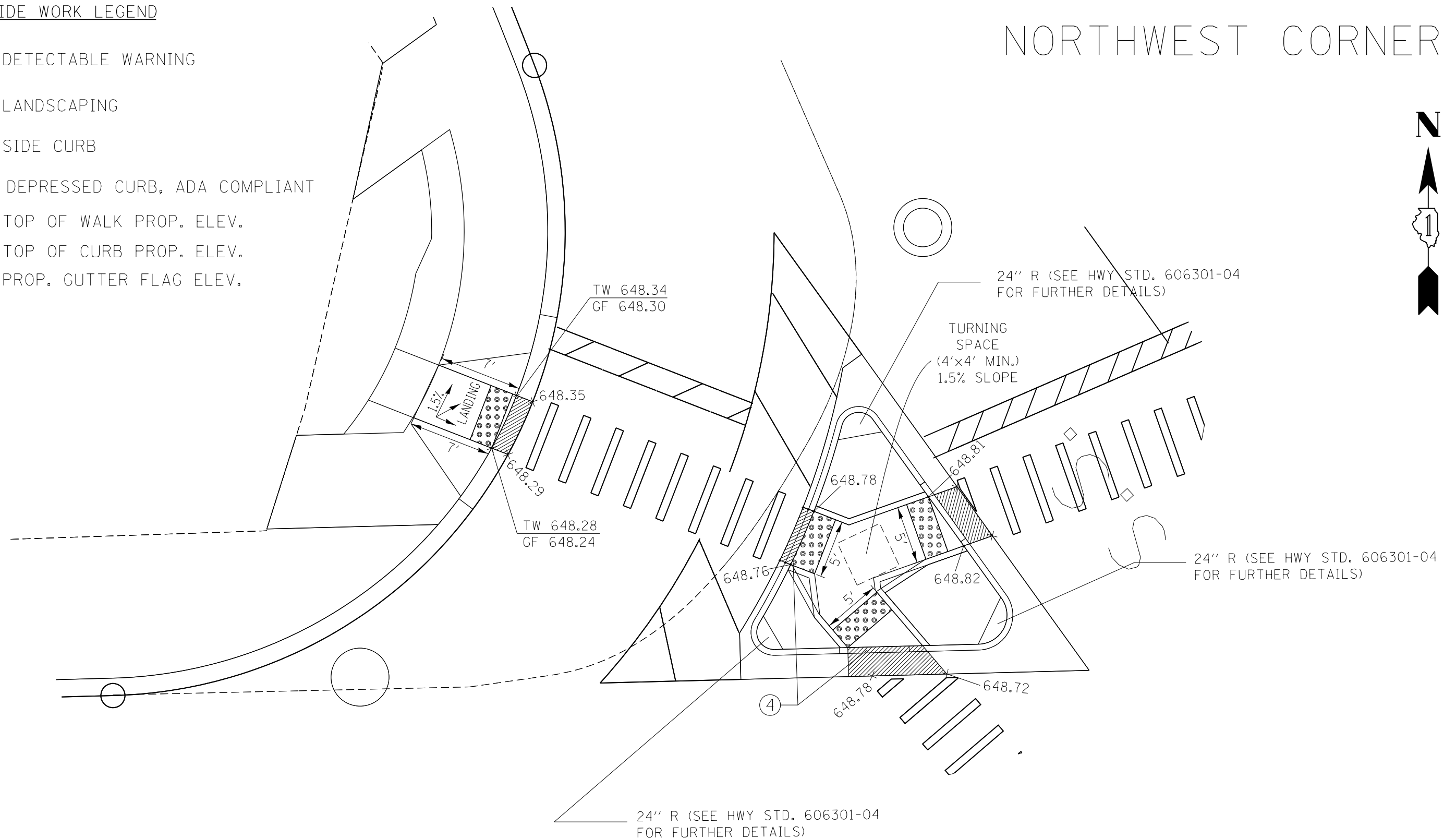
④ — DEPRESSED CURB, ADA COMPLIANT

TW — TOP OF WALK PROP. ELEV.

TC — TOP OF CURB PROP. ELEV.

GF — PROP. GUTTER FLAG ELEV.

NORTHWEST CORNER

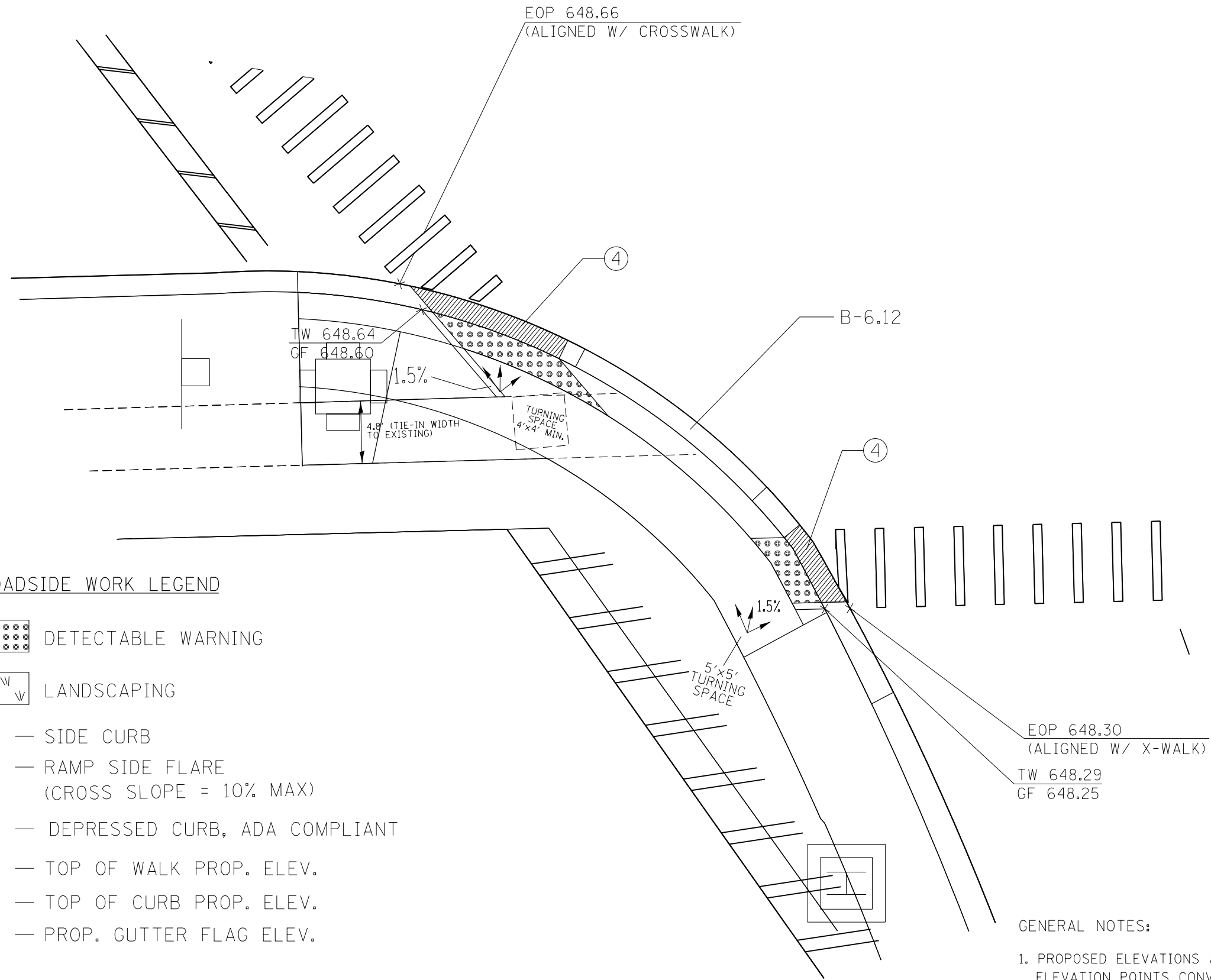


GENERAL NOTES:

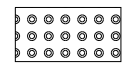
1. PROPOSED ELEVATIONS ARE APPROXIMATE AND BASED ON PHASE ONE SURVEY ELEVATION POINTS CONVERTED TO TRIANGULATED IRREGULAR NETWORK (TIN) FILES. THESE ELEVATIONS ARE INTENDED FOR DESIGN PURPOSES ONLY.

FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 68 AT MCHENRY /WHEELING ROAD SIDEWALK DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\P124812\Drawings\Design\P124812-sh1-genote.dgn		CHECKED -	REVISED -					343	3041N-4(12)	COOK	93	22
PLOT SCALE = 8.6249' / 1" =		DATE -	REVISED -		CONTRACT NO. 60V96			ILLINOIS FED. AID PROJECT				
PLOT DATE = 4/18/2016					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

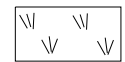
SOUTHWEST CORNER



ROADSIDE WORK LEGEND



DETECTABLE WARNING



LANDSCAPING

- ② — SIDE CURB
- ③ — RAMP SIDE FLARE
(CROSS SLOPE = 10% MAX)
- ④ — DEPRESSED CURB, ADA COMPLIANT

TW — TOP OF WALK PROP. ELEV.
 TC — TOP OF CURB PROP. ELEV.
 GF — PROP. GUTTER FLAG ELEV.

GENERAL NOTES:

1. PROPOSED ELEVATIONS ARE APPROXIMATE AND BASED ON PHASE ONE SURVEY ELEVATION POINTS CONVERTED TO TRIANGULATED IRREGULAR NETWORK (TIN) FILES. THESE ELEVATIONS ARE INTENDED FOR DESIGN PURPOSES ONLY.

FILE NAME =	USER NAME = parayno1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 68 AT MCHENRY /WHEELING ROAD SIDEWALK DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG.illinois.gov\PIWDD\Documents\DOT Offices\District 1\Projects\PI24812\Drawings\Design\PI24812-sh1-genote.dgn		CHECKED -	REVISED -		343	3041N-4(12)	COOK	93	23			
PLOT SCALE = 8.6249' / 1" =		DATE -	REVISED -		CONTRACT NO. 60V96			ILLINOIS FED. AID PROJECT				
PLOT DATE = 4/18/2016					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

ROADSIDE WORK LEGEND

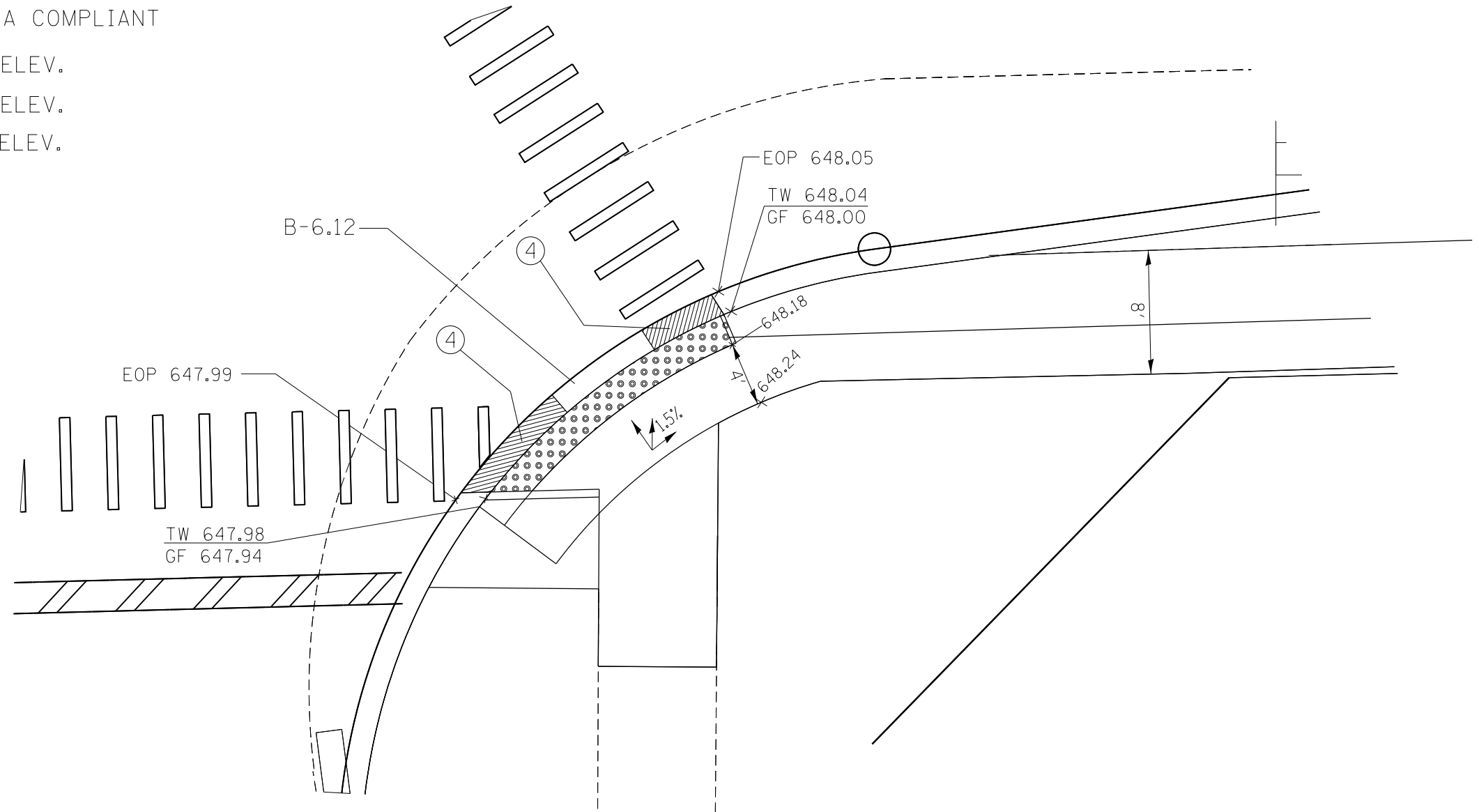
 DETECTABLE WARNING

 LANDSCAPING

- ② — SIDE CURB
- ③ — RAMP SIDE FLARE
(CROSS SLOPE = 10% MAX)
- ④ — DEPRESSED CURB, ADA COMPLIANT

TW — TOP OF WALK PROP. ELEV.
 TC — TOP OF CURB PROP. ELEV.
 GF — PROP. GUTTER FLAG ELEV.

SOUTHEAST CORNER



GENERAL NOTES:

1. PROPOSED ELEVATIONS ARE APPROXIMATE AND BASED ON PHASE ONE SURVEY ELEVATION POINTS CONVERTED TO TRIANGULATED IRREGULAR NETWORK (TIN) FILES. THESE ELEVATIONS ARE INTENDED FOR DESIGN PURPOSES ONLY.

FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 68 AT MCHENRY /WHEELING ROAD SIDEWALK DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI24812\Drawings\Design\PI24812-sht-genote.dgn		CHECKED -	REVISED -		343	3041N-4(12)	COOK	93	24			
PLOT SCALE = 8.6249' / 1" =		DATE -	REVISED -		CONTRACT NO. 60V96			ILLINOIS FED. AID PROJECT				
PLOT DATE = 4/18/2016					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

NORTHEAST CORNER



TW 648.43
GF 648.39

EOP 648.44
(ALIGNED W/ X-WALK)

EOP 648.44
(NORMAL TO TW)

EOP 648.48
(ALIGNED W/ X-WALK)

EOP 648.49
(NORMAL TO TW)

TW 648.48
GF 648.44

TW 648.52
GF 648.48

EOP 648.53
(NORMAL TO TW)

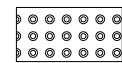
EOP 648.53
(ALIGNED W/ X-WALK)

TW 648.48
GF 648.44

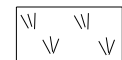
EOP 648.45
(NORMAL TO TW)

EOP 648.45
(ALIGNED W/ X-WALK)

ROADSIDE WORK LEGEND



DETECTABLE WARNING



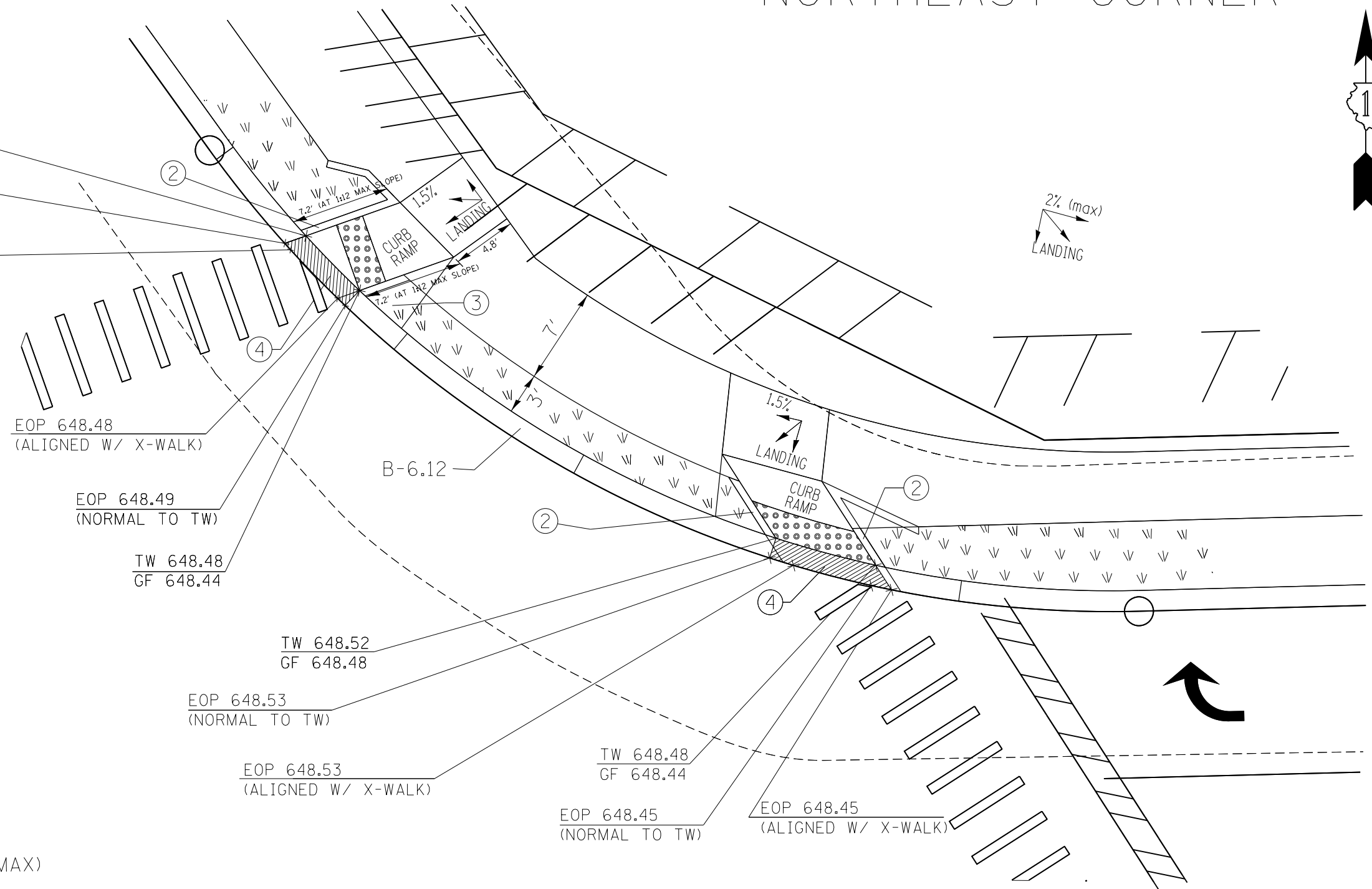
LANDSCAPING

- ② — SIDE CURB
- ③ — RAMP SIDE FLARE
(CROSS SLOPE = 10% MAX)
- ④ — DEPRESSED CURB, ADA COMPLIANT

TW — TOP OF WALK PROP. ELEV.

TC — TOP OF CURB PROP. ELEV.

GF — PROP. GUTTER FLAG ELEV.

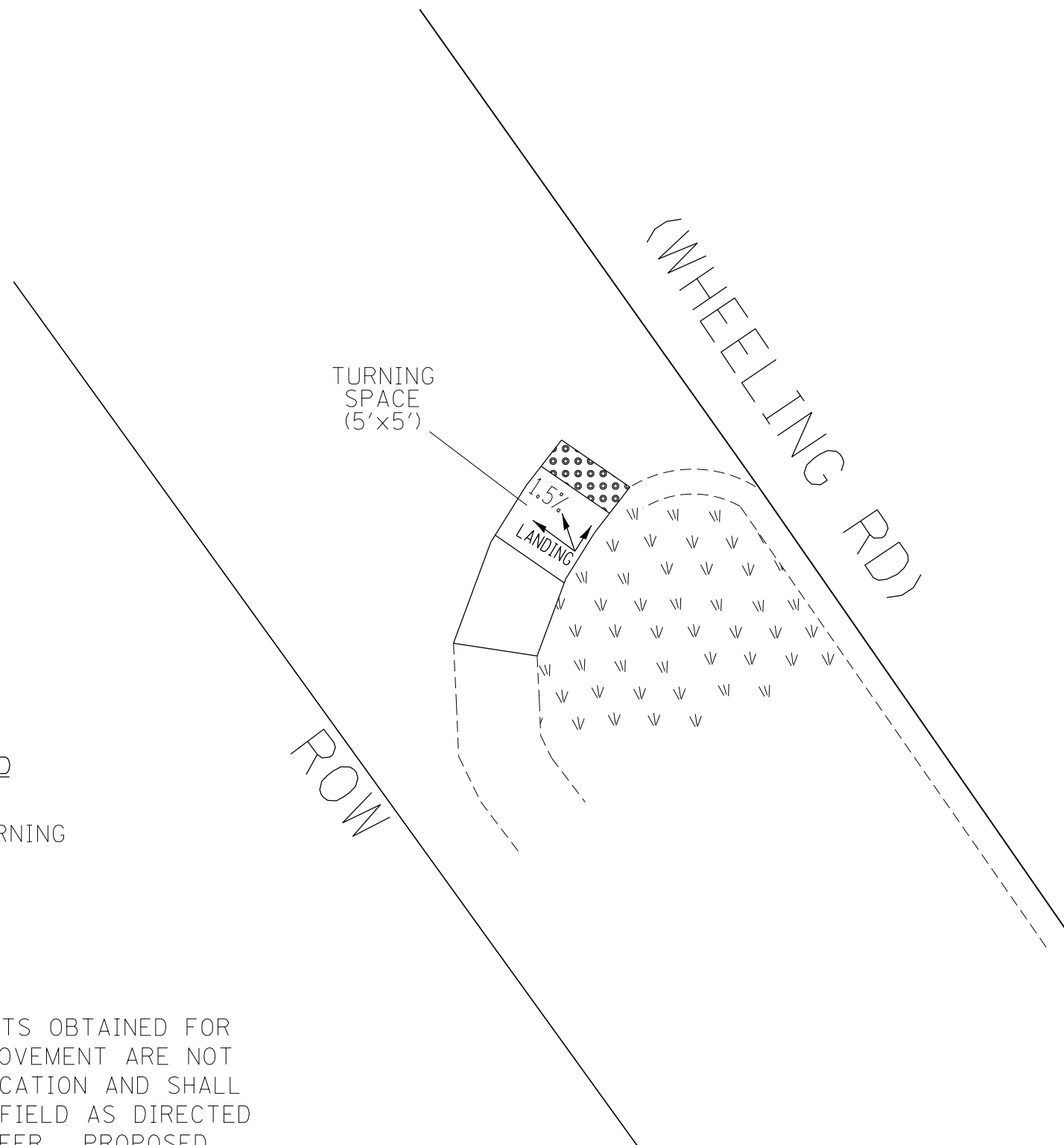


GENERAL NOTES:

1. PROPOSED ELEVATIONS ARE APPROXIMATE AND BASED ON PHASE ONE SURVEY ELEVATION POINTS CONVERTED TO TRIANGULATED IRREGULAR NETWORK (TIN) FILES. THESE ELEVATIONS ARE INTENDED FOR DESIGN PURPOSES ONLY.

FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 68 AT MCHENRY /WHEELING ROAD SIDEWALK DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P124812\Drawings\Design\P124812-sht-genote.dgn		CHECKED -	REVISED -					343	3041N-4(12)	COOK	93	25
PLOT SCALE = 8.6249' / 1" =		DATE -	REVISED -					CONTRACT NO. 60V96				
PLOT DATE = 4/18/2016								ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.					

LOCATION: STA. 509+73 (WEST OF WHEELING RD)



ROADSIDE WORK LEGEND

 DETECTABLE WARNING

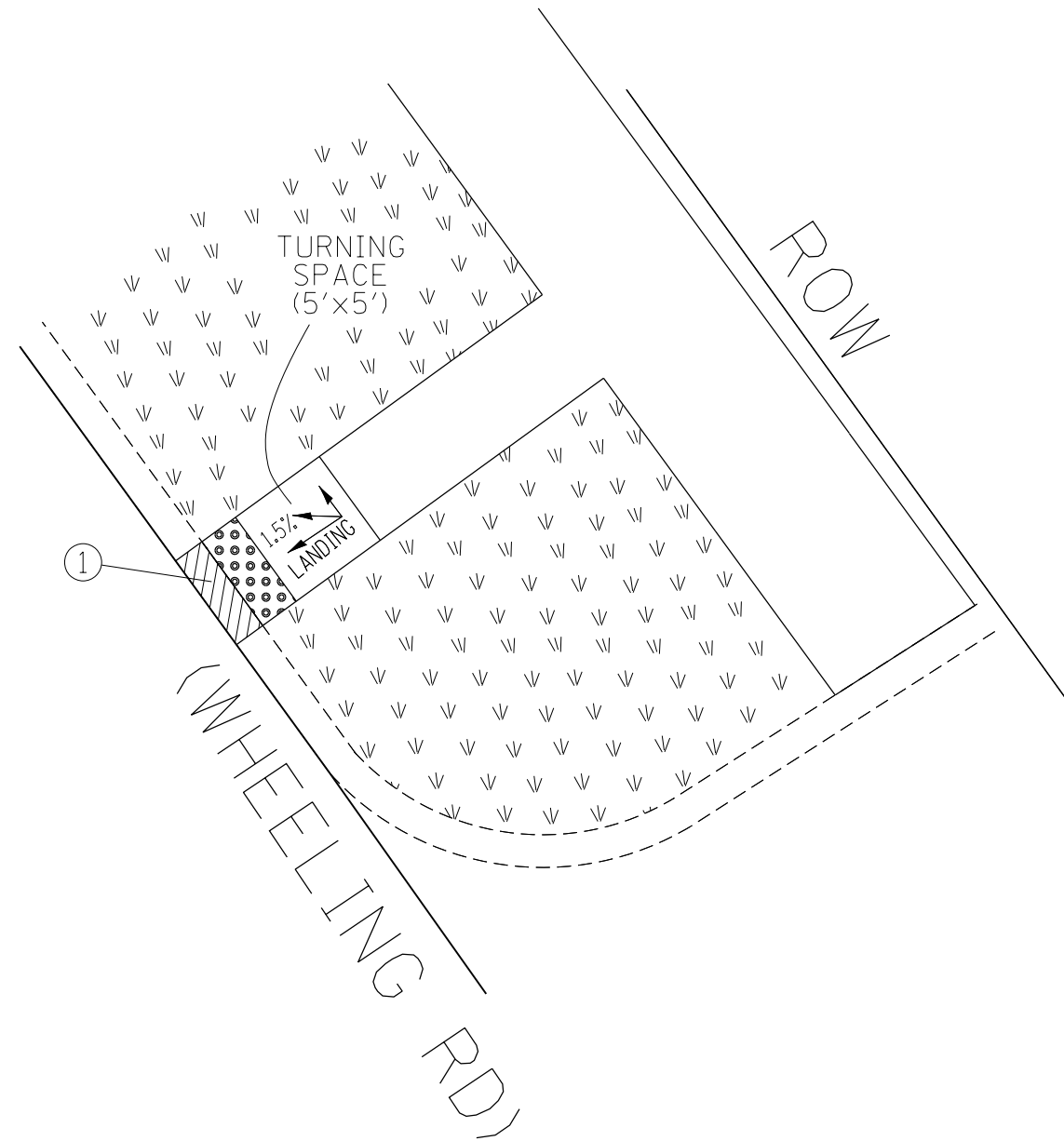
 LANDSCAPING

NOTE:

SURVEY ELEVATION POINTS OBTAINED FOR THE INTERSECTION IMPROVEMENT ARE NOT AVAILABLE FOR THIS LOCATION AND SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE RESIDENT ENGINEER. PROPOSED SIDEWALK SHOWN SHALL BE CONSTRUCTED PER HIGHWAY STANDARD ON THE INDEX SHEET.

FILE NAME =	USER NAME = parayno1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 68 AT MCHENRY /WHEELING ROAD SIDEWALK DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-sh-t-genote.dgn		CHECKED -	REVISED -		343	3041N-4(12)	COOK	93	26			
PLOT SCALE = 8.6249' / in.		DATE -	REVISED -		CONTRACT NO. 60V96							
PLOT DATE = 3/25/2016					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

LOCATION: STA. 509+73 EAST OF WHEELING RD)



ROADSIDE WORK LEGEND

 DETECTABLE WARNING

 LANDSCAPING

① — DEPRESSED CURB, ADA COMPLIANT

SURVEY ELEVATION POINTS OBTAINED FOR THE INTERSECTION IMPROVEMENT ARE NOT AVAILABLE FOR THIS LOCATION AND SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE RESIDENT ENGINEER. PROPOSED SIDEWALK SHOWN SHALL BE CONSTRUCTED PER HIGHWAY STANDARD ON THE INDEX SHEET.

FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 68 AT MCHENRY /WHEELING ROAD SIDEWALK DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\P124812\Drawings\Design\P124812-sht-genote.dgn		CHECKED -	REVISED -		343	3041N-4(12)	COOK	93	27			
PLOT SCALE = 8.6249' / in.		DATE -	REVISED -		CONTRACT NO. 60V96			ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/24/2016					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

STAGING FOR IL ROUTE 68 AND MCHENRY / WHEELING INTERSECTION.

STAGE 1:

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING CONSTRUCTION. REDUCE EASTBOUND THROUGH TRAFFIC TO ONE LANE CLOSING THE OUTER LANE OF IL 68 AND MCHENRY ROAD.

CONSTRUCTION:

- CONSTRUCT PAVEMENT WIDENING ON THE SOUTH SIDE OF IL 68 EAST LEG
- CONSTRUCT PAVEMENT WIDENING ON THE EAST SIDE OF MCHENRY / WHEELING SOUTH LEG

STAGING 2:

TRAFFIC MAINTAINED ON EXISTING AND NEW PAVEMENT DURING CONSTRUCTION. REDUCE NORTHBOUND AND WESTBOUND TRAFFIC TO ONE THROUGH LANE CLOSING OUTER LANES FOR IL 68 AND MCHENRY ROAD.

CONSTRUCTION:

- CONSTRUCT PAVEMENT WIDENING ON THE NORTH SIDE OF IL 68 EAST LEG
- CONSTRUCT PAVEMENT WIDENING ON THE EAST SIDE OF MCHENRY NORTH LEG

STAGING 3:

TRAFFIC MAINTAINED ON EXISTING AND NEW PAVEMENT DURING CONSTRUCTION. REDUCE SOUTHBOUND TRAFFIC TO ONE THROUGH LANE, CLOSING THE OUTER LANE FOR IL 68 AT MCHENRY ROAD.

CONSTRUCTION:

- CONSTRUCT PAVEMENT WIDENING ON THE NORTH SIDE OF IL RTE 68 WEST LEG
- CONSTRUCT PAVEMENT WIDENING ON THE WEST SIDE OF MCHENRY NORTH LEG.

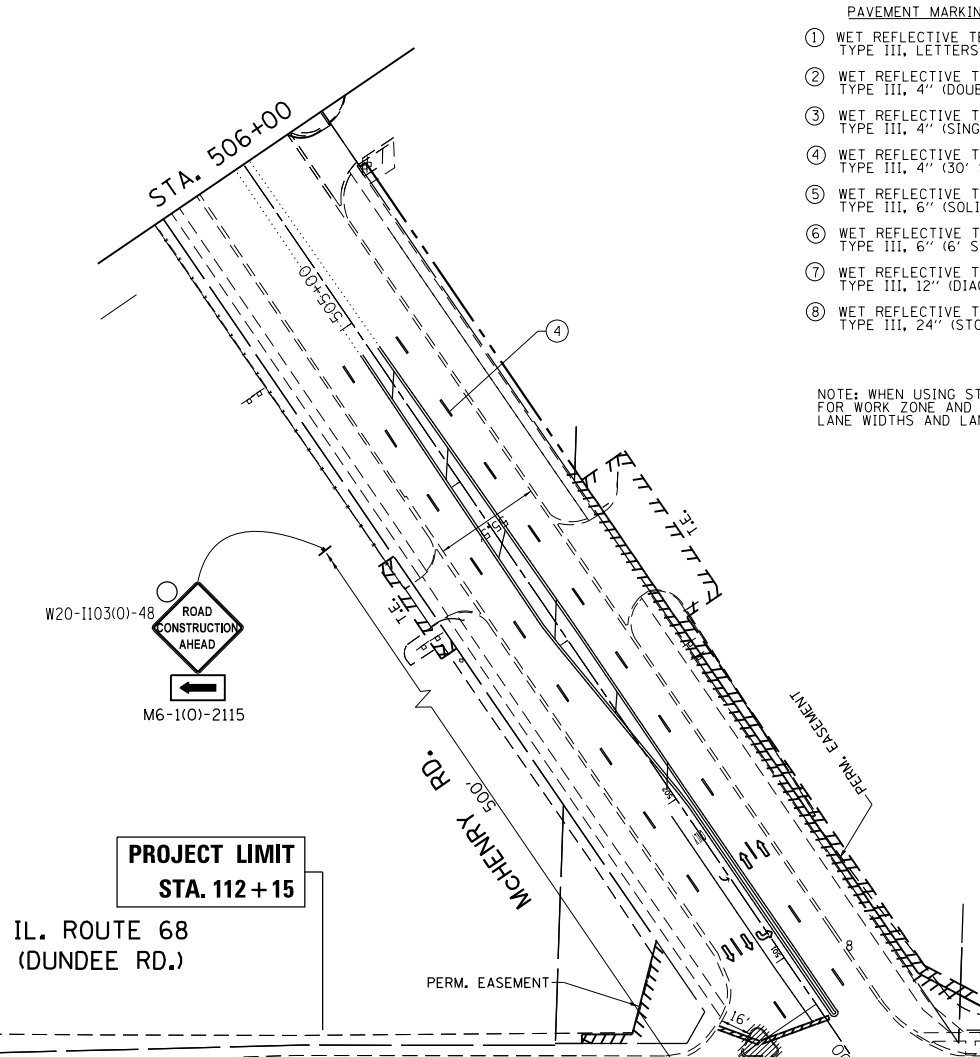
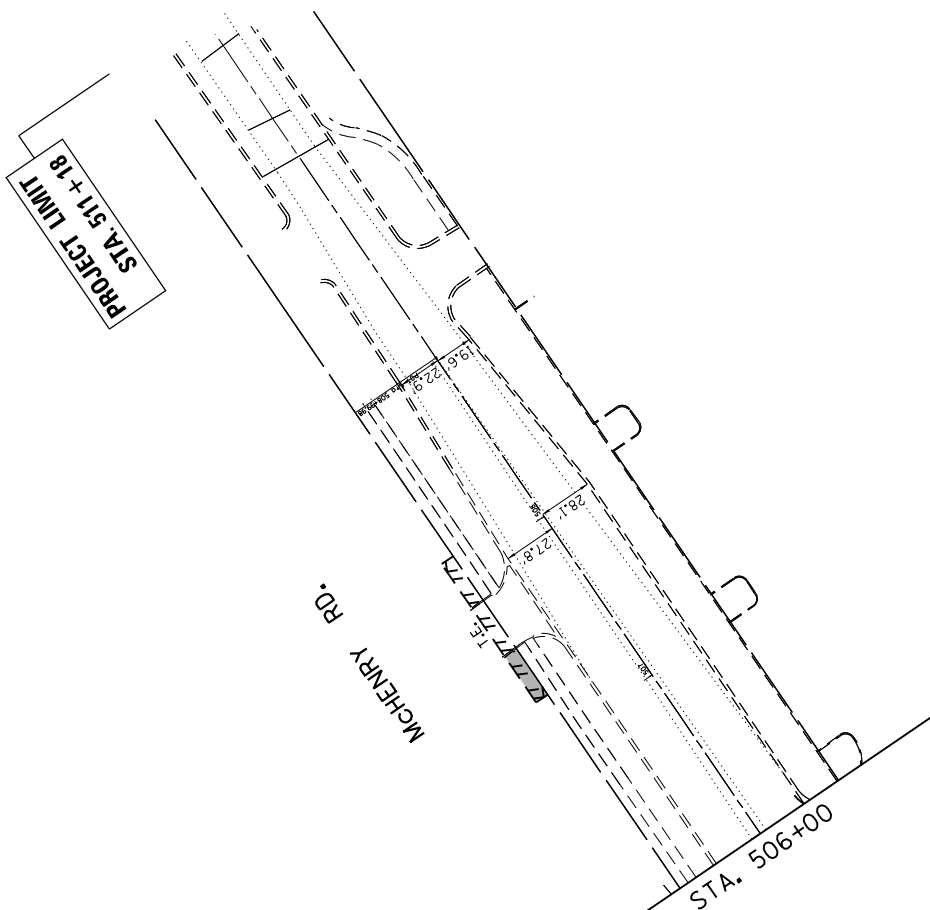
STAGING 4:

TRAFFIC MAINTAINED ON EXISTING AND NEW PAVEMENT DURING CONSTRUCTION. SHIFT NORTHBOUND TRAFFIC TO THE PROPOSED OUTSIDE LANE CLOSING THE PROPOSED INSIDE LANE FOR IL 68 AND MCHENRY ROAD. SHIFT SOUTHBOUND LEFT TRAFFIC TO THE PROPOSED OUTSIDE LEFT TURN LANE CLOSING THE PROPOSED INSIDE LEFT TURN LANE FOR IL 68 AND MCHENRY ROAD

CONSTRUCTION:

- REMOVE EXISTING PCC MEDIAN ON SOUTH LEG OF MCHENRY ROAD AND CONSTRUCT PROPOSED CONCRETE MEDIAN ACCORDING TO PROPOSED PLAN.
- CONSTRUCT PROPOSED CONCRETE MEDIAN ON NORTH LEG OF MCHENRY ROAD ACCORDING TO PROPOSED PLAN.
- REPLACE TEMPORARY CHANNELIZATION PAINTED MEDIAN GORE AND INSTALL PROPOSED GORE AND PAVEMENT MARKING ACCORDING TO PROPOSED PLAN.

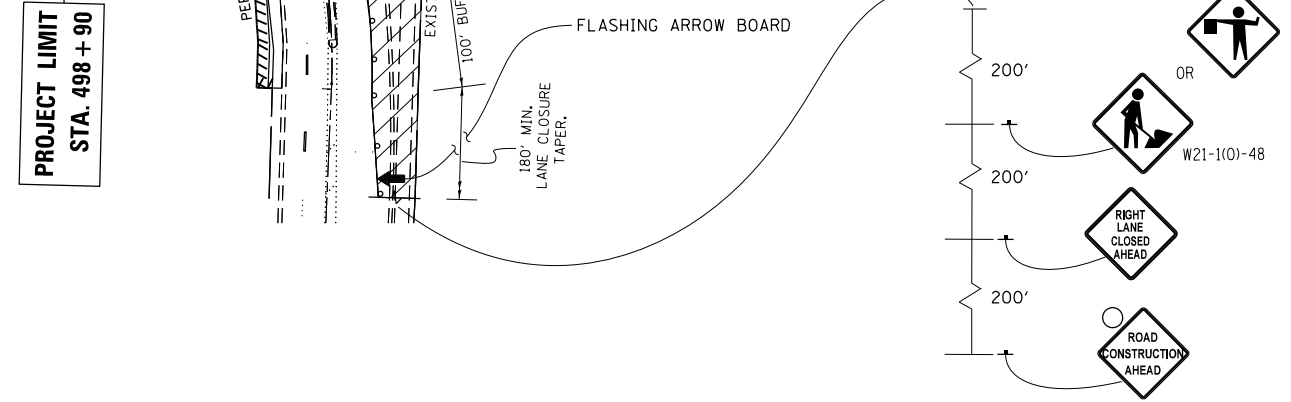
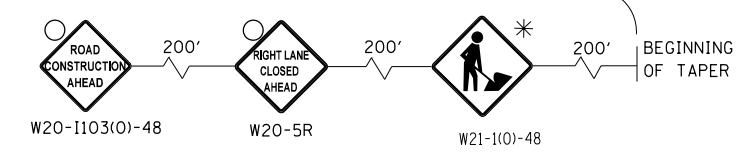
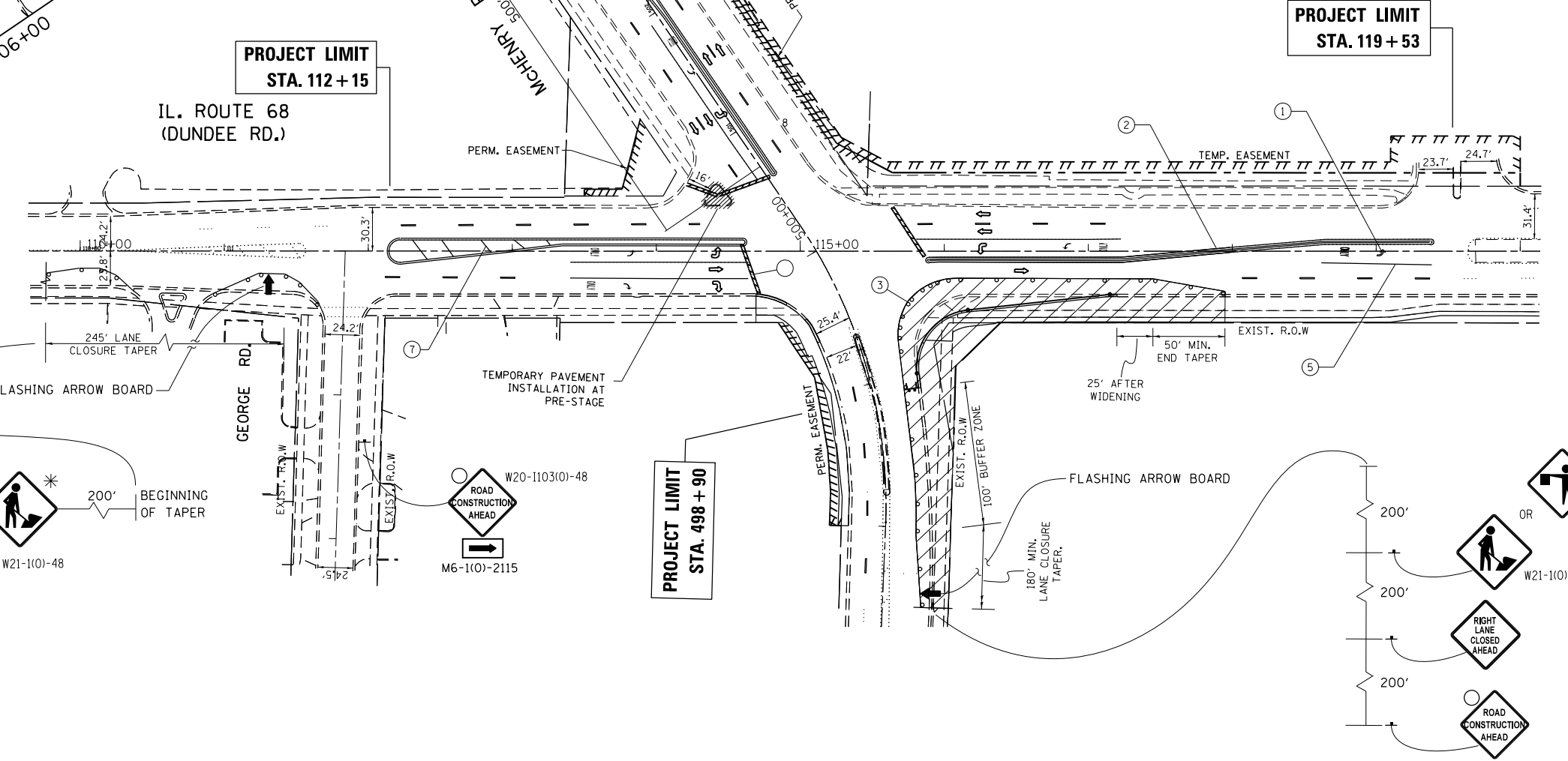
FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC: GENERAL NOTES IL 68 (DUNDEE ROAD) AT MCHENRY ROAD /WHEELING)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P124812\Drawings\Design\P124812-sh1-genote.dgn		CHECKED -	REVISED -			343	3041N-4(12)	COOK	93	28
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -			CONTRACT NO. 60V96				
	PLOT DATE = 3/24/2016	DATE -	REVISED -			SCALE: 1"= 50'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



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

NOTE: WHEN USING STAGING WET REFLECTIVE TAPE IN STAGE 1 FOR WORK ZONE AND STAGING LANE WIDTHS, FOLLOW EXISTING LANE WIDTHS AND LANE DIVISION LINES.

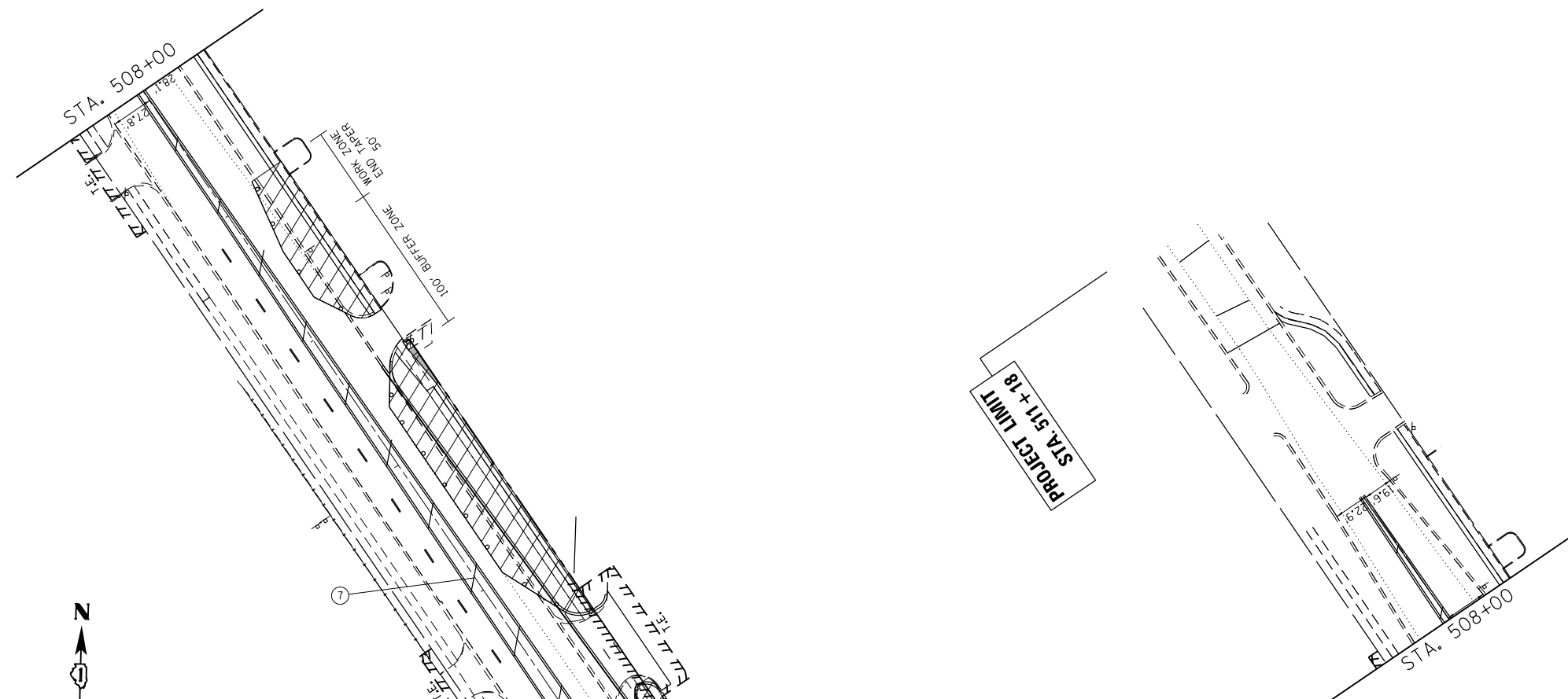
- LEGEND**
- ⊕ TYPE III BARRICADE WITH TWO (2) FLASHING LIGHTS
 - ⊥ SIGN
 - DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
 - USE BI-DIRECTIONAL LIGHTING IN 2-LANE SECTIONS
 - 50' C-C TANGENTS
 - 20' C-C LANE SHIFTS & TAPERS
 - 10' C-C RADII (TYP)
 - ➡ FLASHING ARROW BOARD
 - ▨ WORK AREA
 - *
- THIS SIGN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



FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC (STAGE 1) IL 68 (DUNDEE ROAD) AT MCHENRY ROAD /WHEELING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\PI24812\Design\PI24812-sht-gennote.dgn	DRWN	CHECKED -	REVISED -			343	3041N-4(12)	COOK	93	29	
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 60V96					
	PLOT DATE = 3/24/2016	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
20' 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

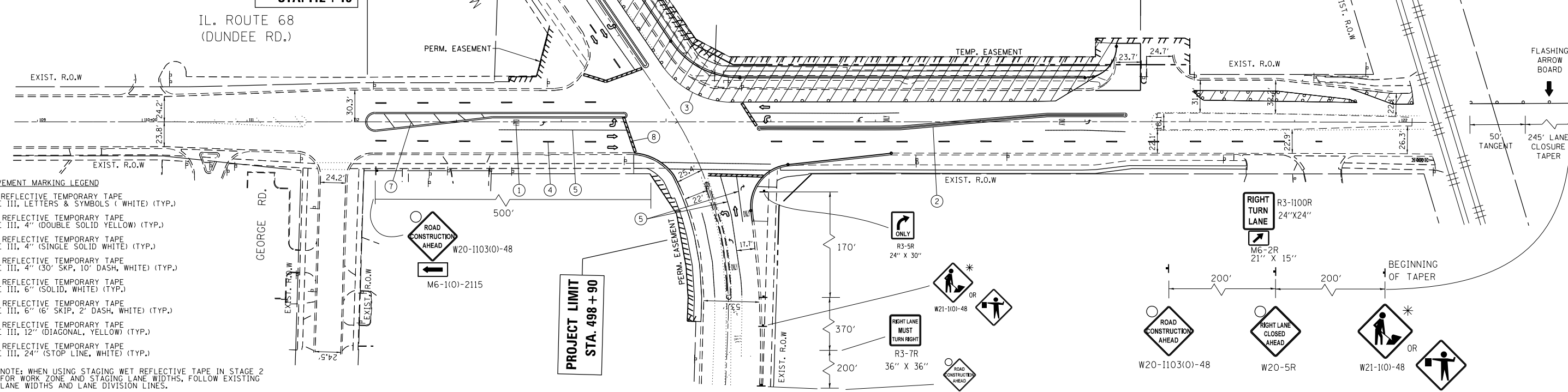


**PROJECT LIMIT
STA. 112 + 15**

**PROJECT LIMIT
STA. 119 + 53**

**PROJECT LIMIT
STA. 498 + 90**

- PAVEMENT MARKING LEGEND**
- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, LETTERS & SYMBOLS (WHITE) (TYP.)
 - ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE SOLID YELLOW) (TYP.)
 - ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SINGLE SOLID WHITE) (TYP.)
 - ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (30' SKP, 10" DASH, WHITE) (TYP.)
 - ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (SOLID, WHITE) (TYP.)
 - ⑥ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (6" SKIP, 2" DASH, WHITE) (TYP.)
 - ⑦ WET REFLECTIVE TEMPORARY TAPE TYPE III, 12" (DIAGONAL, YELLOW) (TYP.)
 - ⑧ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (STOP LINE, WHITE) (TYP.)
- NOTE: WHEN USING STAGING WET REFLECTIVE TAPE IN STAGE 2 FOR WORK ZONE AND STAGING LANE WIDTHS, FOLLOW EXISTING LANE WIDTHS AND LANE DIVISION LINES.



FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-sht-gennote.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC (STAGE 2)
IL 68 (DUNDEE ROAD) AT MCHENRY ROAD /WHEELING**

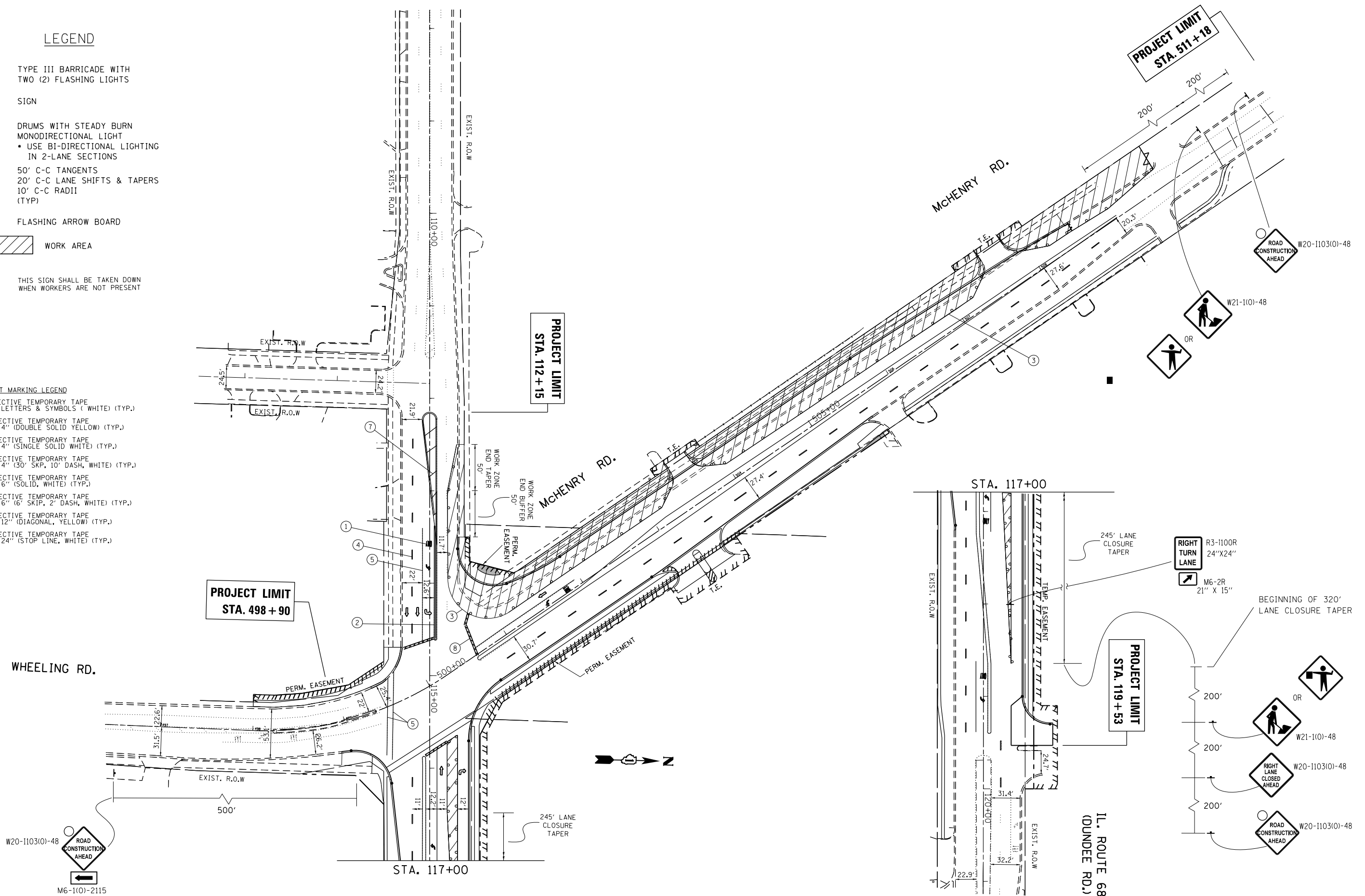
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	30
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				

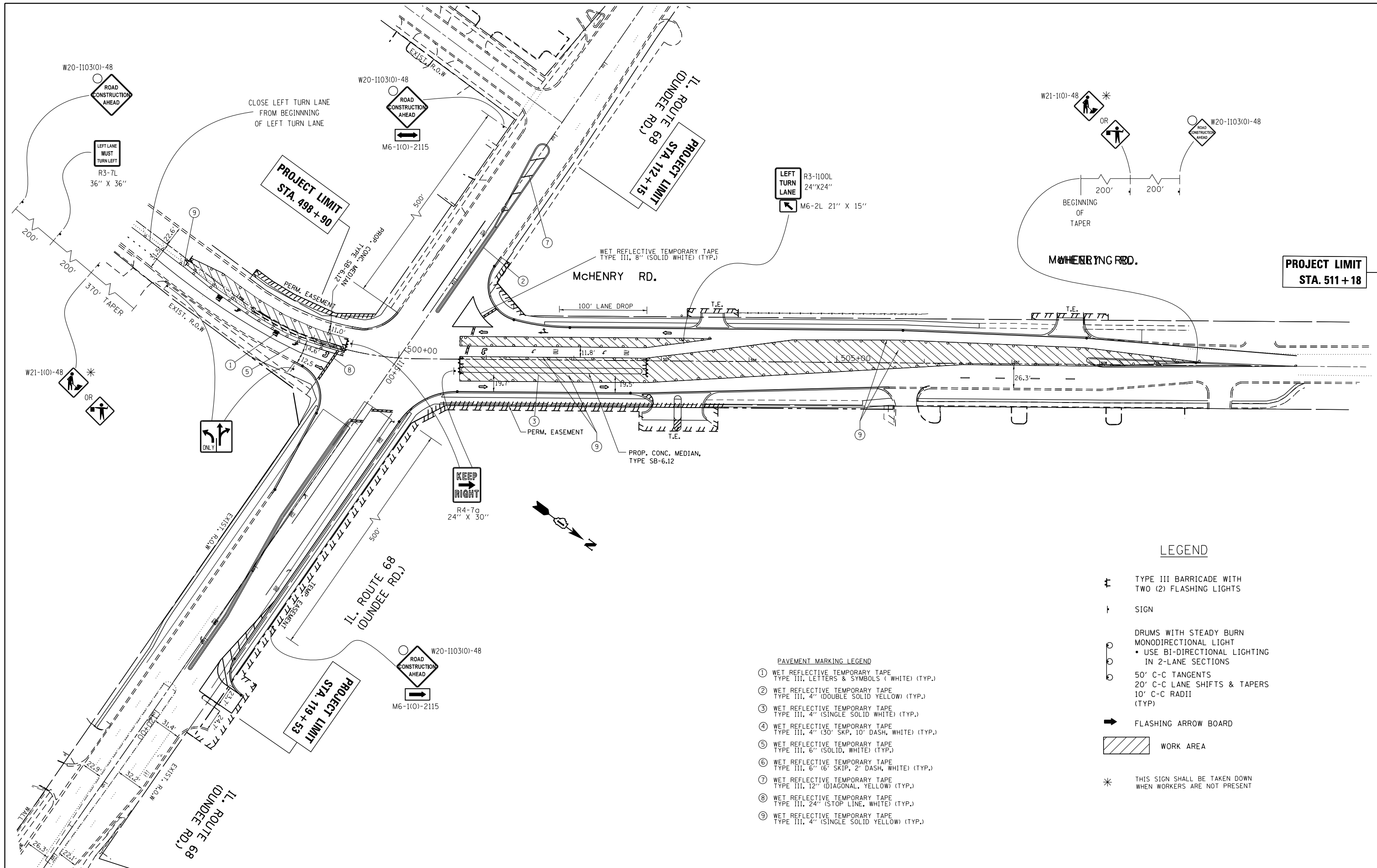
LEGEND

- ⊕ 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
- ⊖ 20' 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 WET REFLECTIVE TEMPORARY TAPE TYPE III, LETTERS & SYMBOLS (WHITE) (TYP.)
 - ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE SOLID YELLOW) (TYP.)
 - ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SINGLE SOLID WHITE) (TYP.)
 - ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (30' SKP, 10' DASH, WHITE) (TYP.)
 - ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (SOLID, WHITE) (TYP.)
 - ⑥ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (6' SKIP, 2' DASH, WHITE) (TYP.)
 - ⑦ WET REFLECTIVE TEMPORARY TAPE TYPE III, 12" (DIAGONAL, YELLOW) (TYP.)
 - ⑧ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (STOP LINE, WHITE) (TYP.)



FILE NAME =	USER NAME = parayno1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC (STAGE 3) IL 68 (DUNDEE ROAD) AT MCHENRY ROAD / WHEELING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIWDDT\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-shr-gennote.dgn	DRWN	CHECKED -	REVISED -			343	3041N-412)	COOK	93	31	
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 60V96					
	PLOT DATE = 3/24/2016					ILLINOIS FED. AID PROJECT					



- PAVEMENT MARKING LEGEND**
- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, LETTERS & SYMBOLS (WHITE) (TYP.)
 - ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE SOLID YELLOW) (TYP.)
 - ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SINGLE SOLID WHITE) (TYP.)
 - ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (30' SKP, 10' DASH, WHITE) (TYP.)
 - ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (SOLID, WHITE) (TYP.)
 - ⑥ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (6' SKIP, 2" DASH, WHITE) (TYP.)
 - ⑦ WET REFLECTIVE TEMPORARY TAPE TYPE III, 12" (DIAGONAL, YELLOW) (TYP.)
 - ⑧ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (STOP LINE, WHITE) (TYP.)
 - ⑨ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SINGLE SOLID YELLOW) (TYP.)

- 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
 - ⊕ 20' 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

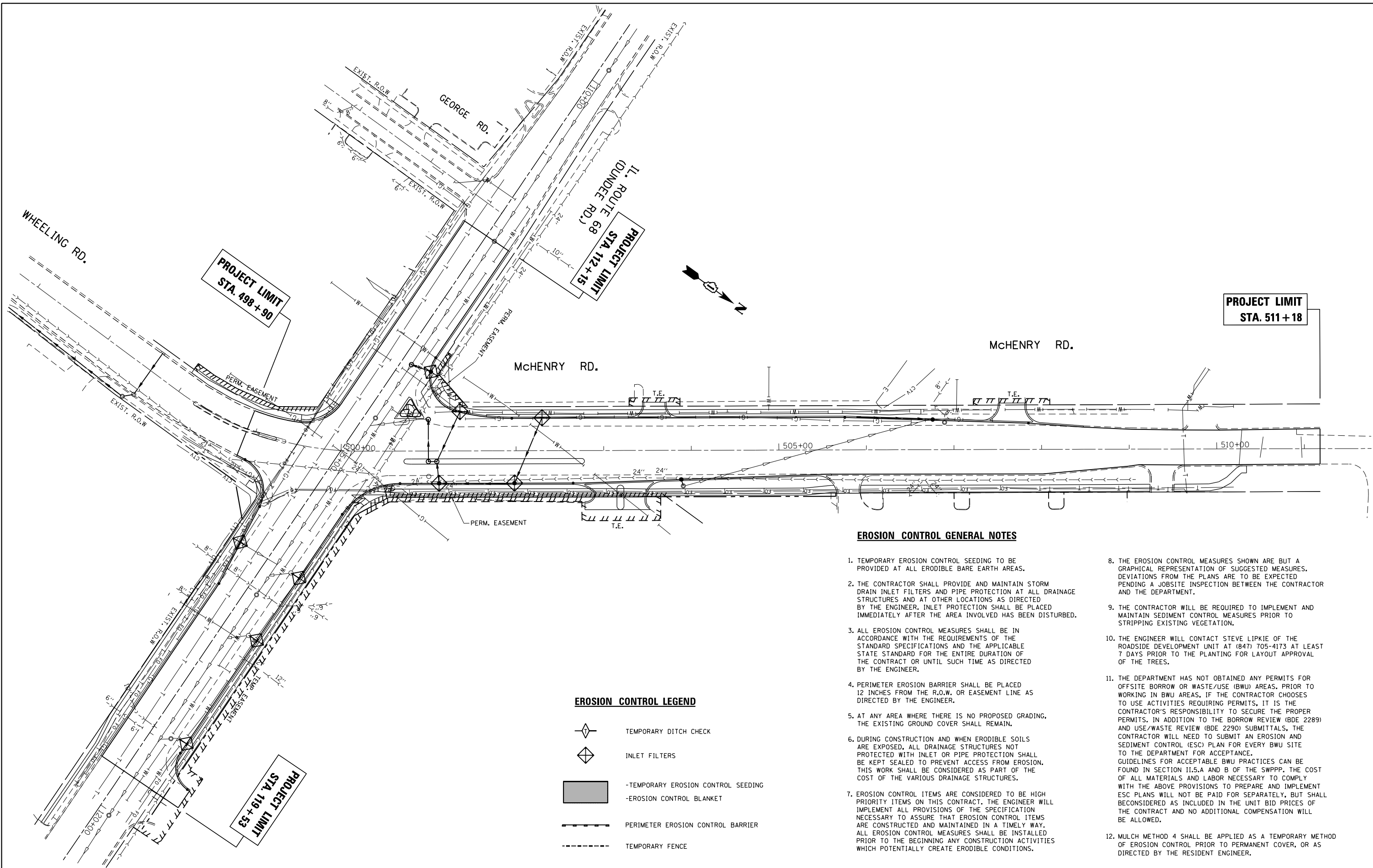
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Default	PLOT DATE = 3/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC (STAGE 4)
IL 68 (DUNDEE ROAD) AT MCHENRY ROAD /WHEELING**

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






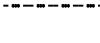
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	32
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL GENERAL NOTES

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS.
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN STORM DRAIN INLET FILTERS AND PIPE PROTECTION AT ALL DRAINAGE STRUCTURES AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARD FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH TIME AS DIRECTED BY THE ENGINEER.
4. PERIMETER EROSION BARRIER SHALL BE PLACED 12 INCHES FROM THE R.O.W. OR EASEMENT LINE AS DIRECTED BY THE ENGINEER.
5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
6. DURING CONSTRUCTION AND WHEN ERODIBLE SOILS ARE EXPOSED, ALL DRAINAGE STRUCTURES NOT PROTECTED WITH INLET OR PIPE PROTECTION SHALL BE KEPT SEALED TO PREVENT ACCESS FROM EROSION. THIS WORK SHALL BE CONSIDERED AS PART OF THE COST OF THE VARIOUS DRAINAGE STRUCTURES.
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 THE BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH POTENTIALLY CREATE ERODIBLE CONDITIONS.
8. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THE PLANS ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
9. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
10. THE ENGINEER WILL CONTACT STEVE LIPKIE OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4173 AT LEAST 7 DAYS PRIOR TO THE PLANTING FOR LAYOUT APPROVAL OF THE TREES.
11. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.5.A AND B OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
12. MULCH METHOD 4 SHALL BE APPLIED AS A TEMPORARY METHOD OF EROSION CONTROL PRIOR TO PERMANENT COVER, OR AS DIRECTED BY THE RESIDENT ENGINEER.

EROSION CONTROL LEGEND

-  TEMPORARY DITCH CHECK
-  INLET FILTERS
-  -TEMPORARY EROSION CONTROL SEEDING
-  -EROSION CONTROL BLANKET
-  PERIMETER EROSION CONTROL BARRIER
-  TEMPORARY FENCE

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	PLOT DATE = 3/24/2016	DATE -	REVISED -

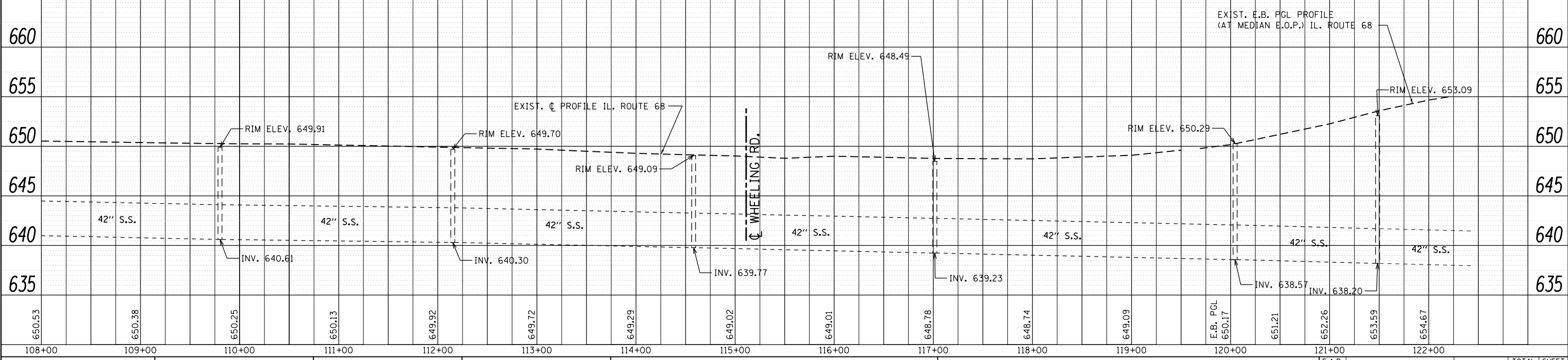
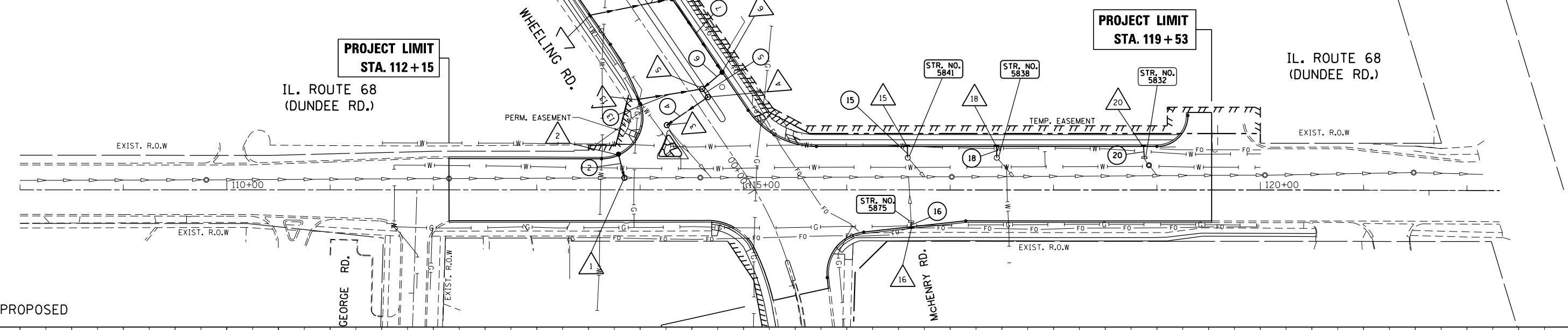
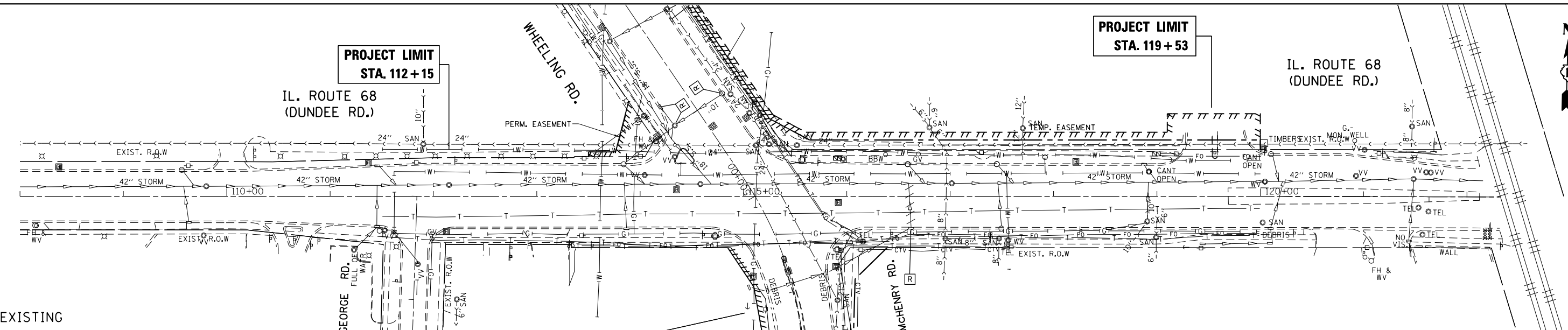
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

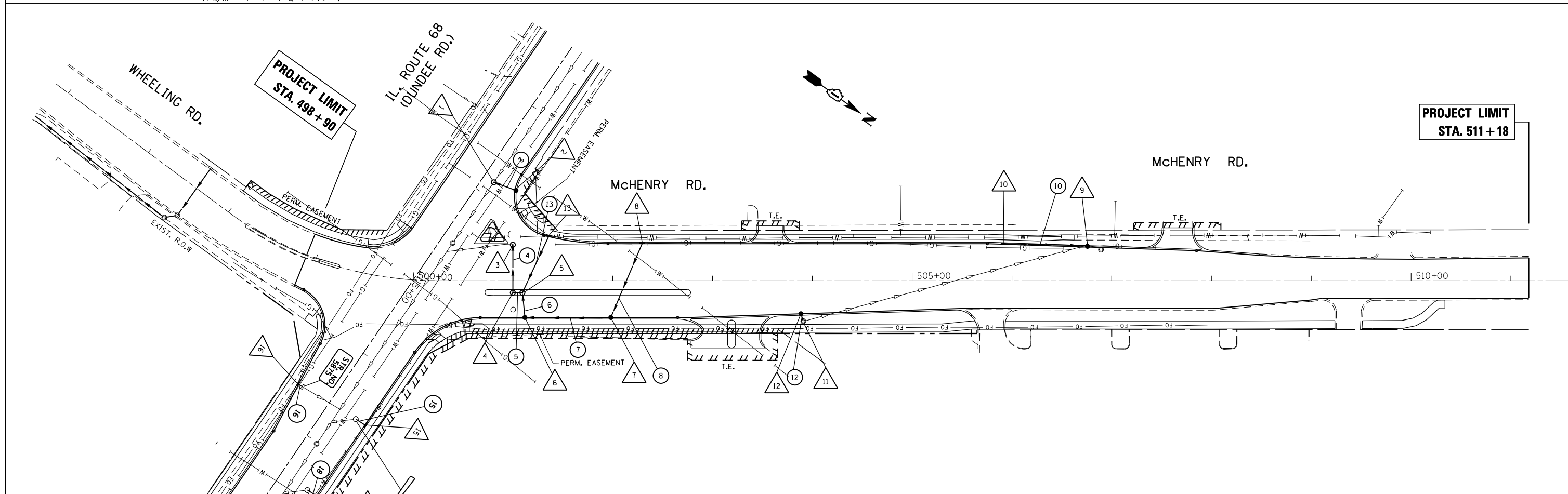
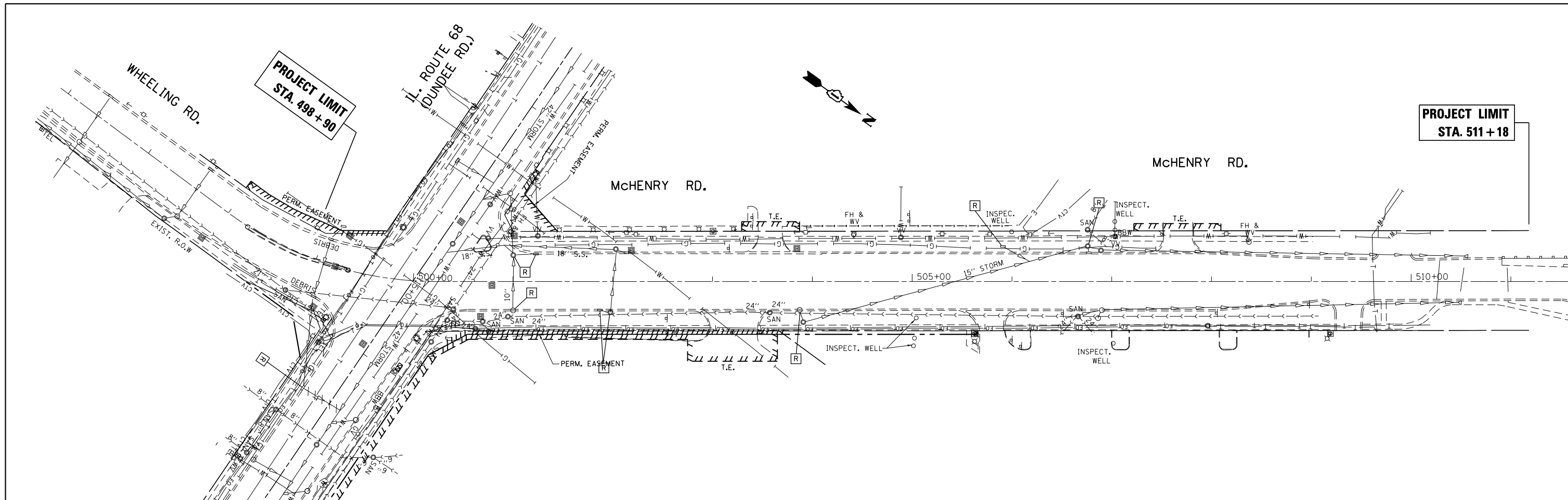
EROSION CONTROL PLAN
IL. RTE. 68 (DUNDEE RD.) AT McHENRY RD./WHEELING
SCALE: 1"=50' SHEET OF SHEETS STA. 96+45 TO STA. 105+18

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4 (12)	COOK	93	33
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	CHECKED	
	NO.	
	FILE NAME	

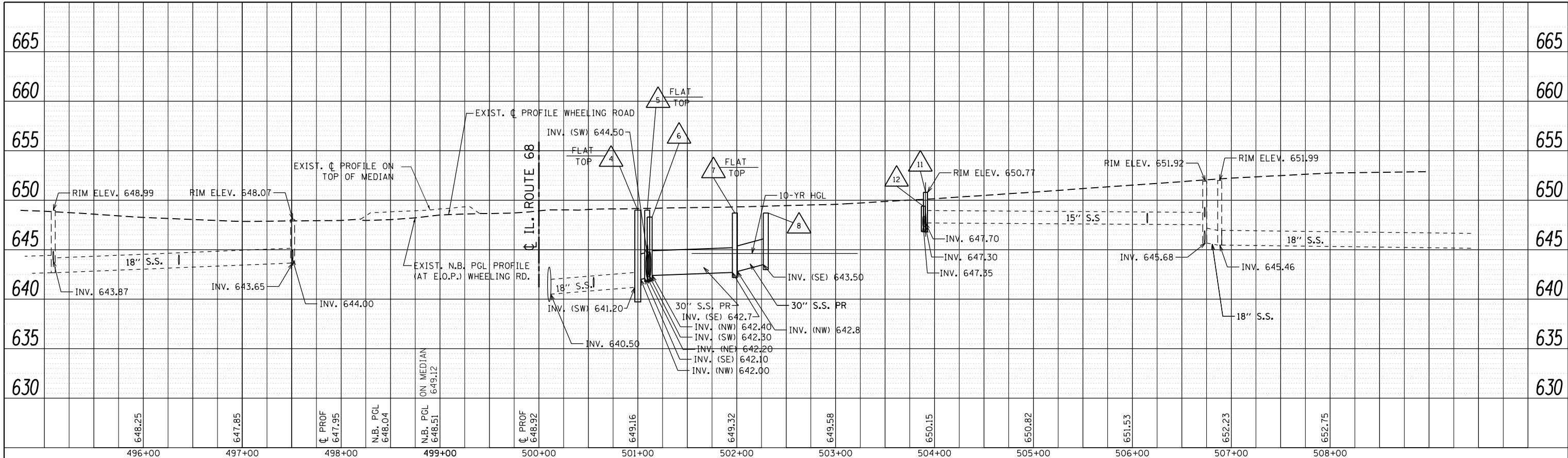
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	STRUCTURE	
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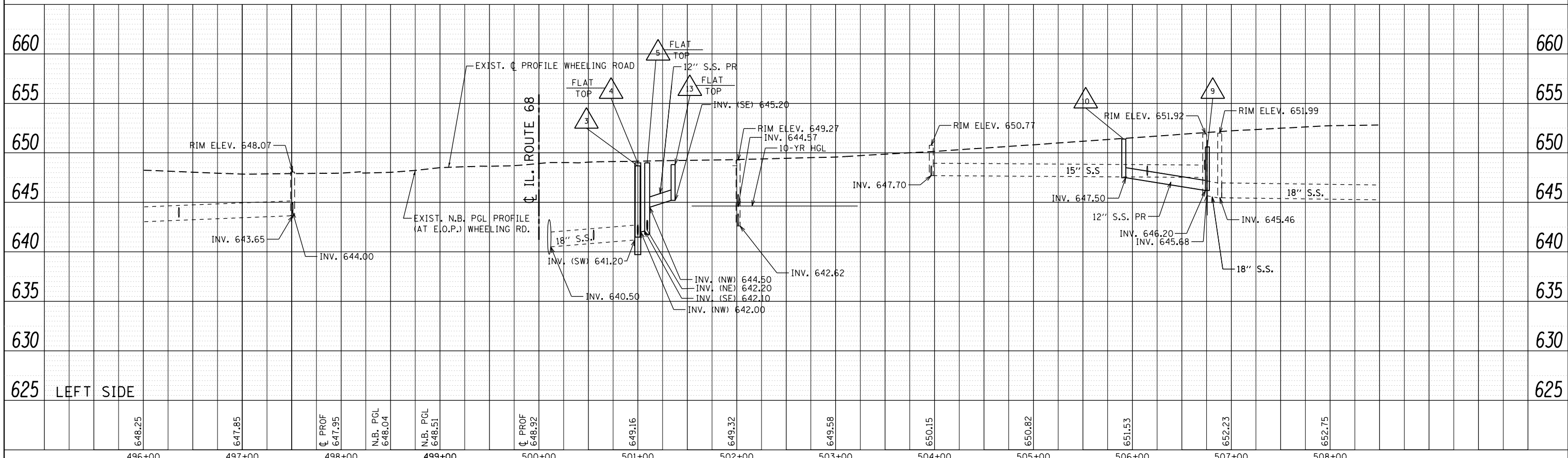


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pw\ill084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI24812\Design\PI24812-sh1-gennote.dgn	DRAWN -	REVISED -	REVISED -			343	3041N-4 (12)	COOK	93	35	
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	PLOT DATE = 3/24/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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













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












FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE (LEFT SIDE) IL. ROUTE 68 (DUNDEE RD.) AT McHENRY RD/WHEELING RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	343	3041N-4 (12)	COOK			93	36			
						CONTRACT NO. 60V96				
						ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURES AND STORM SEWERS TABLE

DRAINAGE STRUCTURES

-  STA. 113+84.8, 11.6 LT
 MH TYP. A, 7' DIA. W/ F&G CL TYP. 1
 T.O.G. = 649.1
 INV.(N) = 639.7
 INV.(E) = 639.6 (EXIST, MAINTAIN)
 INV.(W) = 639.6 (EXIST, MAINTAIN)
-  STA. 113+79.3, 33.6 LT
 CB TYP. A, 4' DIA. F&G OL TYP. 1
 T.O.G. = 648.7
 INV.(S) = 640.0
-  STA. 500+99.8, 36 LT
 MH TYP. A, 5' DIA. W/ F&G CL TYP. 1
 T.O.G. = 648.7
 INV.(NE) = 640.8
 INV.(NW) = 640.6 (EXIST, MAINTAIN)
 INV.(SE) = 640.6 (EXIST, MAINTAIN)
-  STA. 500+99.9, 12.1 RT
 MH TYP. A 6' DIA. W/ F&G CL TYP. 1
 T.O.G. = 649.0
 RESTRICTOR # 2 INV.(SW) = 641.2
 (PLATE RESTRICTOR INV. = 641.73)
 INV.(NW) = 642.0
 NOTE: SEE RESTRICTOR DETAIL SHEET AND DISTRICT DETAIL BD-12 FOR OTHER ELEVATIONS AND REQUIREMENTS
-  STA. 501+09.5, 12.0 RT
 MH TYP. A, 5' DIA. F&G CL TYP. 1
 T.O.G. = 649.0
 INV.(SE) = 642.1 INV.(NE) = 642.2
 INV.(SW) = 644.5
-  STA. 501+12.0, 37.0 RT
 CB TYP. A, 5' DIA. F&G OL TYP. 1
 T.O.G. = 648.3
 INV.(SW) = 642.3 INV.(NW) = 642.4
-  STA. 501+98.1, 37 RT
 CB TYP. A, 5' DIA. F&G OL TYP. 1
 T.O.G. = 648.7
 INV.(SE) = 642.7 INV.(W) = 642.8
-  STA. 502+29.4, 37.0 LT
 CB TYP. A, 5' DIA. F&G OL TYP. 1
 T.O.G. = 648.6
 INV.(E) = 643.5
-  STA. 506+76, 33.6 LT
 CB TYP. A, 4' DIA. F&G OL TYP. 1
 T.O.G. = 651.4
 INV.(SE) = 646.2
-  STA. 505+91.3, 36.5 LT
 CB TYP. A, 4' DIA. F&G OL TYP. 1
 T.O.G. = 650.6
 INV.(NW) = 647.5

-  STA. 503+90.9, 40.6 RT
 MH TYP. A, 4' DIA. F&G CL TYP. 1
 T.O.G. = 650.8
 INV.(NW) = 647.30 (EXIST, MAINTAIN)
 INV.(SW) = 647.30
 NOTE: EXISTING STRUCTURE TO REMAIN IF IN GOOD CONDITION
-  STA. 503+88.6, 33.2 RT
 CB TYP. C, 2' DIA. F&G OL TYP. 1
 T.O.G. = 649.4
 INV.(NW) = 647.35
-  STA. 501+35.7, 44.2 LT
 CB TYP. A, 4' DIA. F&G OL TYP. 1
 T.O.G. = 648.2
 INV.(NE) = 645.2
-  STA. 116+58.9, 30.8 LT
 INLET / CATCHBASIN
 T.O.G. = 648.1
 INV.(N) = 644.3 (EXIST)
-  STA. 116+58.6, 42 LT
 CB TYP. C, 2' DIA. F&G OL TYP. 1
 T.O.G. = 647.9
 INV.(S) = 644.5
-  STA. 116+62.2, 29.9 RT
 INLET / CATCHBASIN
 T.O.G. = 648.3
 INV.(N) = 645.62 (EXIST)
-  STA. 116+62.5, 35.8 RT
 CB TYP. C, 2' DIA. F&G OL TYP. 1
 T.O.G. = 648.3
 INV.(N) = 645.65
-  STA. 117+45.1, 30.2 LT
 INLET / CATCHBASIN
 T.O.G. = 648.0
 INV.(N) = 643.7 (EXIST)
-  STA. 117+44.6, 42.0 LT
 CB TYP. C, 2' DIA. F&G OL TYP. 1
 T.O.G. = 648.1
 INV.(N) = 644.0







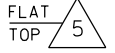

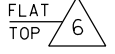





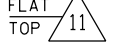

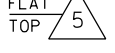

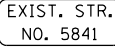

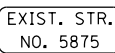

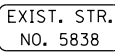

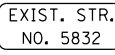

-  STA. 118+87.9, 30.1 LT
 INLET / CATCHBASIN
 T.O.G. = 648.4
 INV.(N) = 645.7 (EXIST)
-  STA. 118+87.8, 42.0 LT
 CB TYP. C, 2' DIA. F&G OL TYP. 1
 T.O.G. = 648.5
 INV.(N) = 645.8

NOTES:
 STORM SEWER OFFSET LOCATIONS GIVEN ON THE DETAIL PLANS ARE TO THE FOLLOWING POINTS:
 A) STRUCTURES FALLING WITHIN THE CURB LINE ARE MEASURED TO THE EDGE OF PAVEMENT.
 B) ALL OTHER STRUCTURES ARE MEASURED TO THE CENTER OF THE STRUCTURE.

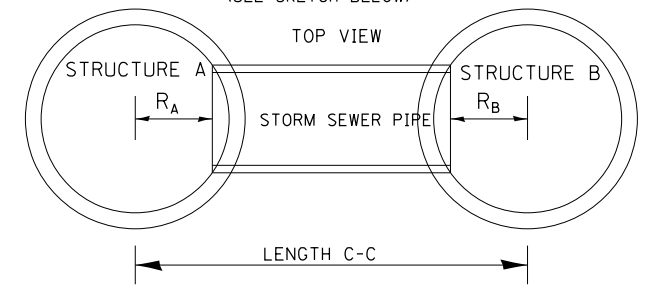
ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE AND IN ACCORDANCE WITH CHECK SHEET # 19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE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

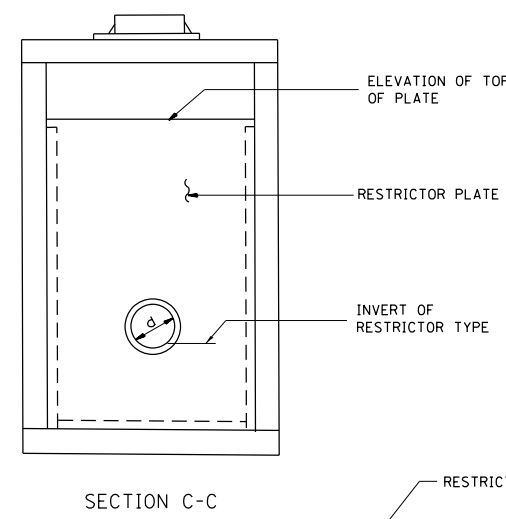
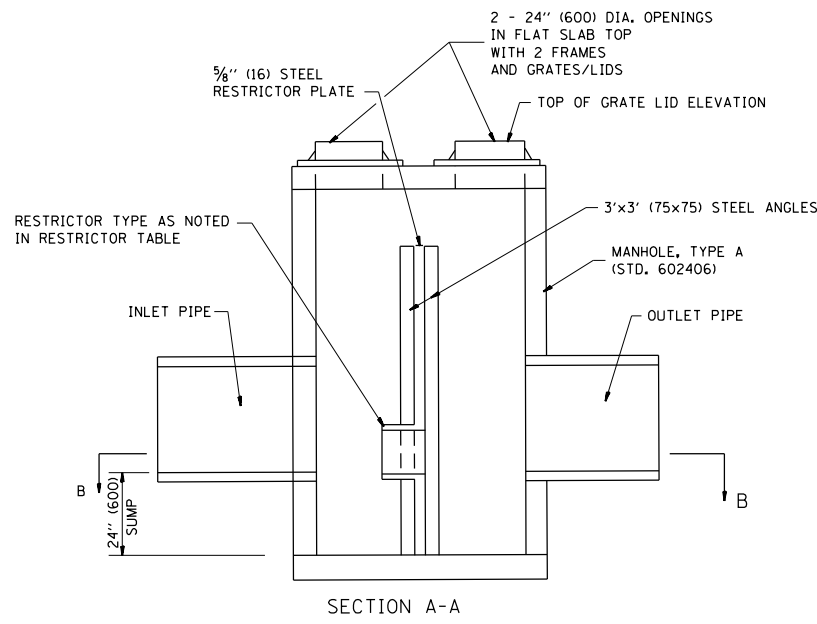
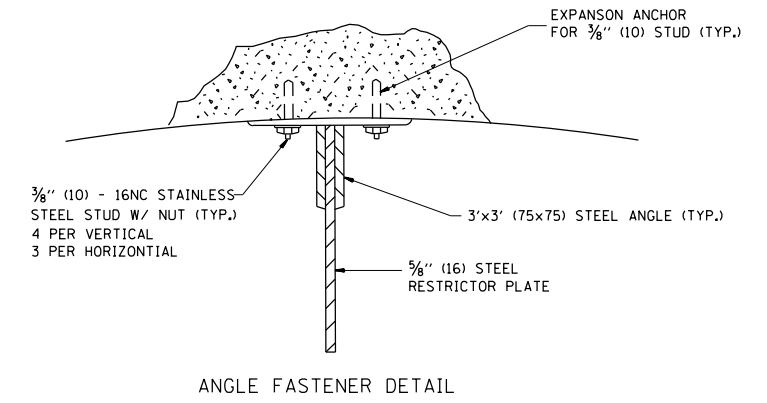
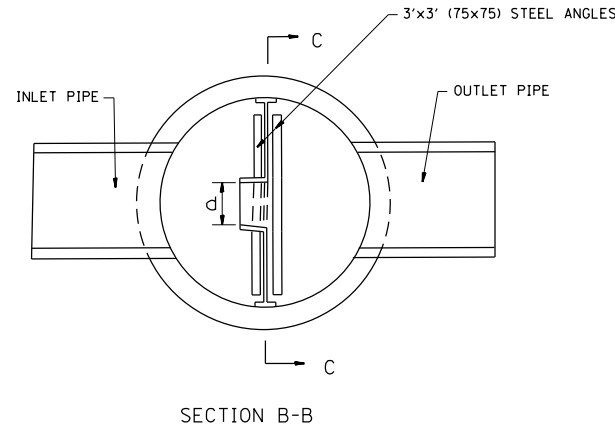
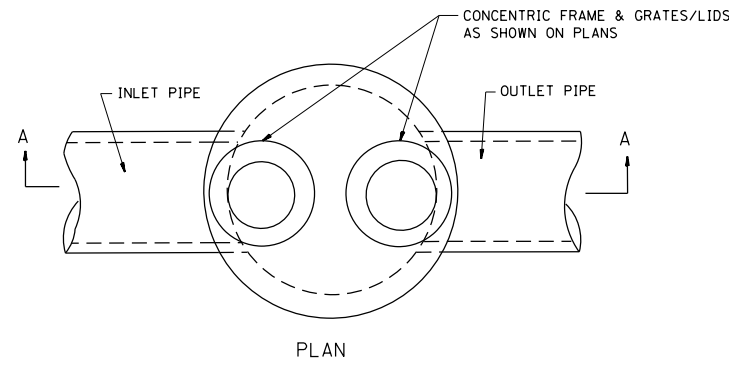
THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT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

STORM SEWER PIPES

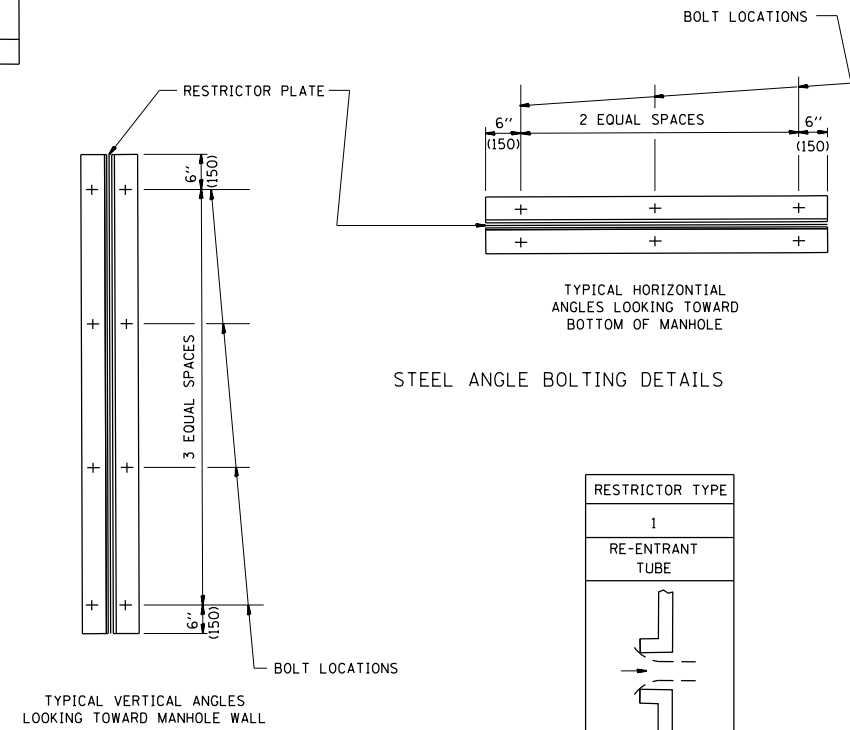
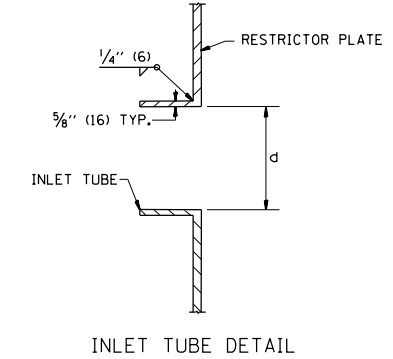
PIPE LOCATION	ADJUSTED LENGTH	PIPE LOCATION	
		STRUCTURE (DOWNSTREAM)	TO STRUCTURE (UPSTREAM)
② PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 25.6 CUBIC YARDS	17.3'		TO 
④ PROP. STORM SEWER, CLASS A, TYPE 2, 30" TRENCH BACK FILL = 79.5 CUBIC YARDS	43.6'		TO 
⑤ PROP. STORM SEWER, CLASS A, TYPE 2, 30" TRENCH BACK FILL = 8.3 CUBIC YARDS	5.1'		TO 
⑥ PROP. STORM SEWER, CLASS A, TYPE 2, 30" TRENCH BACK FILL = 32 CUBIC YARDS	21.2'		TO 
⑦ PROP. STORM SEWER, CLASS A, TYPE 2, 30" TRENCH BACK FILL = 116.6 CUBIC YARDS	82.2'		TO 
⑧ PROP. STORM SEWER, CLASS A, TYPE 2, 30" TRENCH BACK FILL = 99.8 CUBIC YARDS	76.4'		TO 
⑩ PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 36.6 CUBIC YARDS	80.9'		TO 
⑫ PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 0 CUBIC YARD	3.9'		TO 
⑬ PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 24 CUBIC YARDS	58.5'		TO 
⑮ PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 2.9 CUBIC YARDS	7.1'		TO 
⑯ PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 0.4 CUBIC YARDS	1.0'		TO 
⑱ PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 3.5 CUBIC YARDS	7.1'		TO 
⑳ PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 2.5 CUBIC YARDS	10'		TO 

DESIGNER NOTE: STORM SEWER PIPE ADJUSTED LENGTH: = LENGTH C-C MINUS R_A MINUS R_B (SEE SKETCH BELOW)

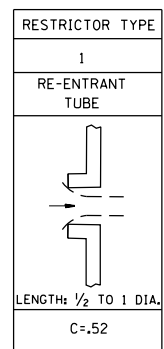




- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



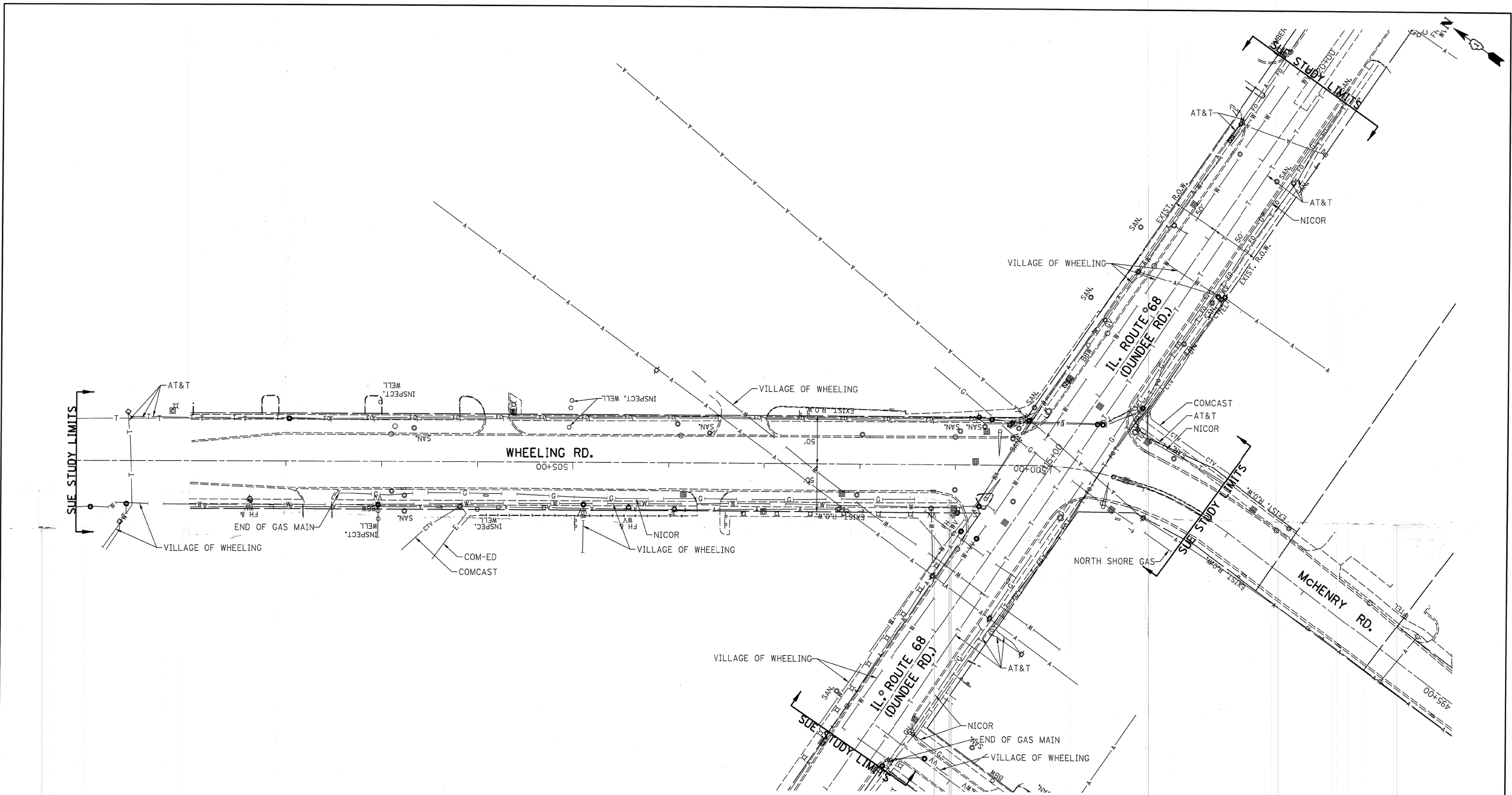
- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.



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)
2	6	TYPE 1	TUBE -1	18.60	641.73	644.61	12.72	11.40

NOTE: OUTFLOW OVER-RESTRICTED TO PROVIDE REQUIRED DETENTION STORAGE

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

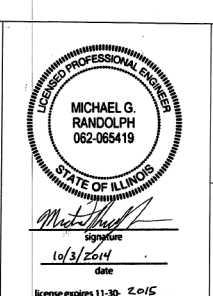


— A —	A	AERIAL
- - -	UNKNOWN	UNKNOWN
○	OIL	OIL
— CTV —	CABLE TV	CABLE TV
— T —	TELEPHONE	TELEPHONE
— G —	GAS	GAS
— E —	ELECTRIC	ELECTRIC
— W —	WATER	WATER
— FO —	FIBER OPTIC	FIBER OPTIC
⊕	TBE TEST HOLE	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COMCAST - CABLE TV	
COM-ED - ELECTRIC	
NICOR - GAS	
NORTH SHORE GAS - GAS	
VILLAGE OF WHEELING - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 9/02/14 through 9/23/14. Changes to utilities after 9/23/14 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.



**Cardno
TBE**

Dynasty Group
Engineers & Surveyors

TBE Job No. IL09510628
SUE Plan Pages: 1 of 1

Utility Quality Level "A" : Visually Verified Test Hole	DESIGNED ER	REVISED
Utility Quality Level "B" : Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED
Utility Quality Level "C" : Research with Survey	CHECKED MGR	REVISED
Utility Quality Level "D" : Records Research	DATE 10/03/14	REVISED

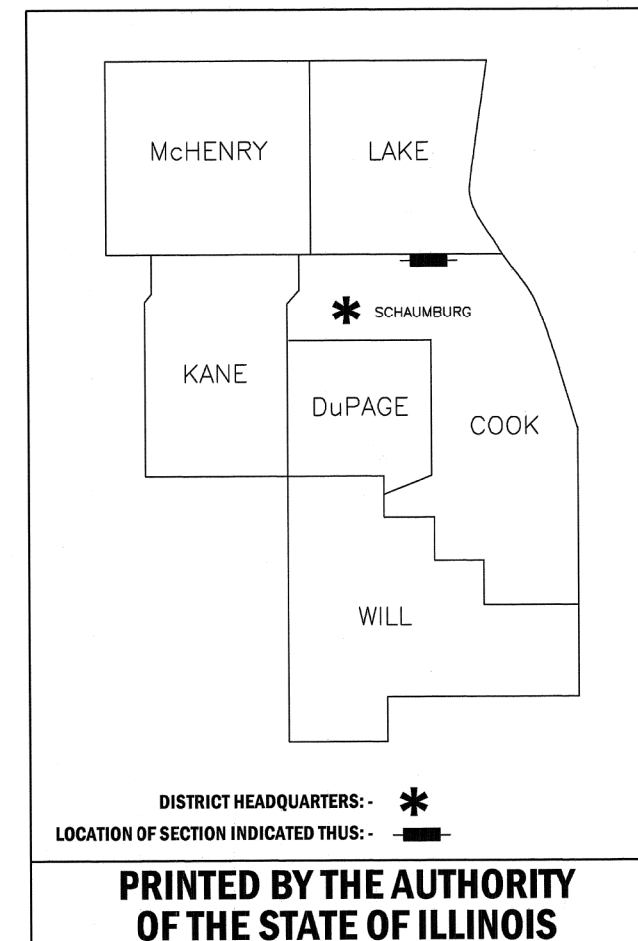
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 at McHenry Road
Wheeling, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	3041N-4(12)	Cook	93	39
Contract No. 60V96				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS

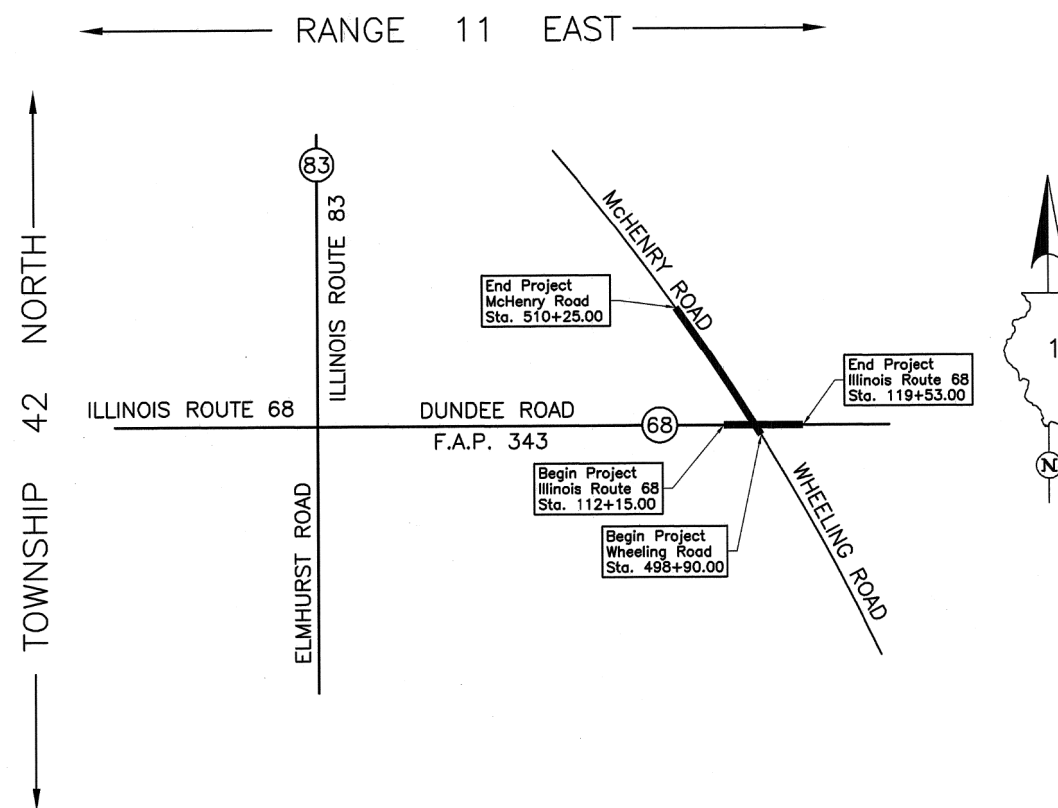
ROUTE: F.A.P. 343 (ILLINOIS ROUTE 68)
SECTION:
COUNTY: COOK
LIMITS:
JOB NO.: R-90-021-13



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

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OKJ0001T.E.	Stasek Family Investments, L.L.C.	3	
OKJ0002P.E.	Commonwealth Edison Company	2	
OKJ0003P.E.	Commonwealth Edison Company	3	
OKJ0004	Cll Wheeling, L.L.C., an Illinois limited liability company	2	
OKJ0005 OKJ0005T.E.	Lynn Plaza L.L.C., an Illinois limited liability company	5	
OKJ0006P.E. OKJ0006T.E.	Commonwealth Edison Company	3	
OKJ0007	MB Financial Bank, N.A.	4	
OKJ0008T.E.	Parkway Bank and Trust Company as Trustee under Trust Agreement dated October 21, 2004 known as Trust No. 13852	4	

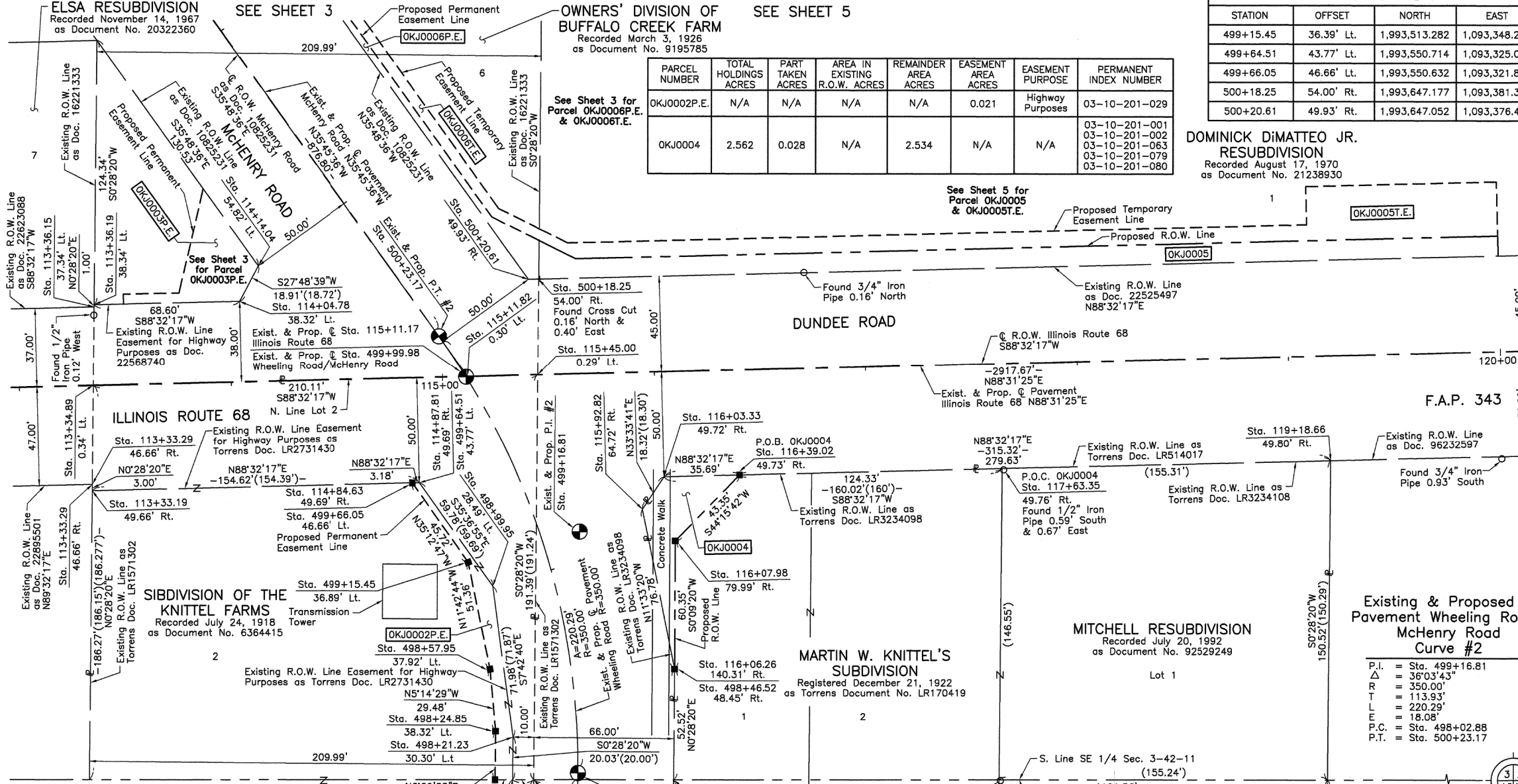


LOCATION MAP

PROJECT LENGTH = 738.00 LIN. FT. = 0.140 MILE, ILLINOIS ROUTE 68
 = 1,135.00 LIN. FT. = 0.215 MILE, WHEELING ROAD/McHENRY ROAD
 TOTAL LENGTH = 1,873.00 LIN. FT. = 0.355 MILE

KD
RECEIVED
 JUN 17 2014
 PLATS & LEGALS

PART OF THE SE 1/4 OF SEC. 3 AND PART OF THE NE 1/4 OF SEC. 10, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OKJ0002P.E.	N/A	N/A	N/A	N/A	0.021	Highway Purposes	03-10-201-029
OKJ0004	2.562	0.028	N/A	2.534	N/A	N/A	03-10-201-001 03-10-201-002 03-10-201-063 03-10-201-079 03-10-201-080

STATION	OFFSET	NORTH	EAST
499+15.45	36.39' Lt.	1,993,513.282	1,093,348.254
499+64.51	43.77' Lt.	1,993,550.714	1,093,325.077
499+66.05	46.66' Lt.	1,993,550.632	1,093,321.894
500+18.25	54.00' Rt.	1,993,647.177	1,093,381.333
500+20.61	49.93' Rt.	1,993,647.052	1,093,376.439

LEGEND

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

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 3, TOWNSHIP 42N., RANGE 11E. AND SECTION 10, TOWNSHIP 42N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

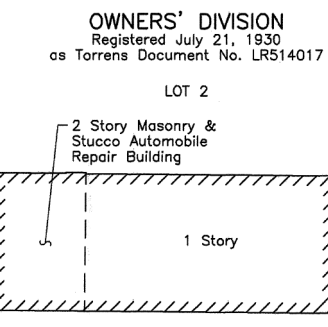
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999626162.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
113+33.19	49.66' Rt.	1,993,546.768	1,093,170.506
113+33.29	46.66' Rt.	1,993,549.770	1,093,170.531
113+34.89	0.34' Lt.	1,993,596.794	1,093,170.919
113+36.15	37.34' Lt.	1,993,633.812	1,093,171.224
113+36.19	38.34' Lt.	1,993,634.812	1,093,171.232
114+04.78	38.32' Lt.	1,993,636.563	1,093,239.807

STATION	OFFSET	NORTH	EAST
114+14.04	54.82' Lt.	1,993,653.292	1,093,248.632
114+84.63	49.69' Rt.	1,993,550.632	1,093,321.894
114+87.81	49.69' Rt.	1,993,550.714	1,093,325.077
115+11.82	0.30' Lt.	1,993,601.308	1,093,347.790
115+45.00	0.29' Lt.	1,993,602.154	1,093,380.962
115+92.82	64.72' Rt.	1,993,538.398	1,093,430.437
116+03.33	49.72' Rt.	1,993,553.661	1,093,440.562
116+06.26	140.31' Rt.	1,993,463.178	1,093,445.817
116+07.98	79.99' Rt.	1,993,523.525	1,093,445.980
116+39.02	49.73' Rt.	1,993,554.572	1,093,476.237
117+63.35	49.76' Rt.	1,993,557.744	1,093,600.526
119+18.66	49.80' Rt.	1,993,561.707	1,093,755.779
495+90.19	41.80' Rt.	1,993,200.554	1,093,438.674
497+42.77	45.93' Rt.	1,993,353.054	1,093,445.189
497+99.15	38.97' Lt.	1,993,410.747	1,093,361.175
497+99.29	30.76' Lt.	1,993,410.756	1,093,369.385
497+99.45	20.76' Lt.	1,993,410.767	1,093,379.385
498+00.38	45.23' Rt.	1,993,410.661	1,093,445.384
498+21.23	30.30' Lt.	1,993,430.785	1,093,369.550
498+24.85	38.32' Lt.	1,993,433.628	1,093,361.374
498+46.52	48.45' Rt.	1,993,463.178	1,093,445.817
498+57.95	37.92' Lt.	1,993,462.988	1,093,358.680
498+99.95	28.49' Lt.	1,993,502.112	1,093,359.892

COMMONWEALTH EDISON COMPANY R.O.W.



Parcel	Document No.	Date Recorded
OKJ0002	LR1571302*	January 15, 1955
OKJ0002	LR2731430*	December 11, 1973
OKJ0004	LR514017*	July 21, 1930
OKJ0004	2422231	December 5, 1977
OKJ0004	LR3234098*	September 29, 1981
OKJ0004	LR3234108*	September 29, 1981
----	10825231	January 12, 1931
----	16221333	May 2, 1955
----	22525497	October 26, 1973
----	22568740	December 11, 1973
----	22623088	February 7, 1974
----	22895501	November 1, 1974
----	96232597	March 27, 1996

* Torrens Document

STATION	OFFSET	NORTH	EAST
113+33.19	49.66' Rt.	1,993,546.768	1,093,170.506
113+33.29	46.66' Rt.	1,993,549.770	1,093,170.531
113+34.89	0.34' Lt.	1,993,596.794	1,093,170.919
113+36.15	37.34' Lt.	1,993,633.812	1,093,171.224
113+36.19	38.34' Lt.	1,993,634.812	1,093,171.232
114+04.78	38.32' Lt.	1,993,636.563	1,093,239.807

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PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 343 (ILLINOIS ROUTE 68)

LIMITS: COUNTY: COOK
SECTION: R-90-021-13
STATION 113+00 TO STATION 120+00
STATION 495+00 TO STATION 502+00
SCALE: 1"=30' SHEET 2 OF 8

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

REVISION DATE REVISION

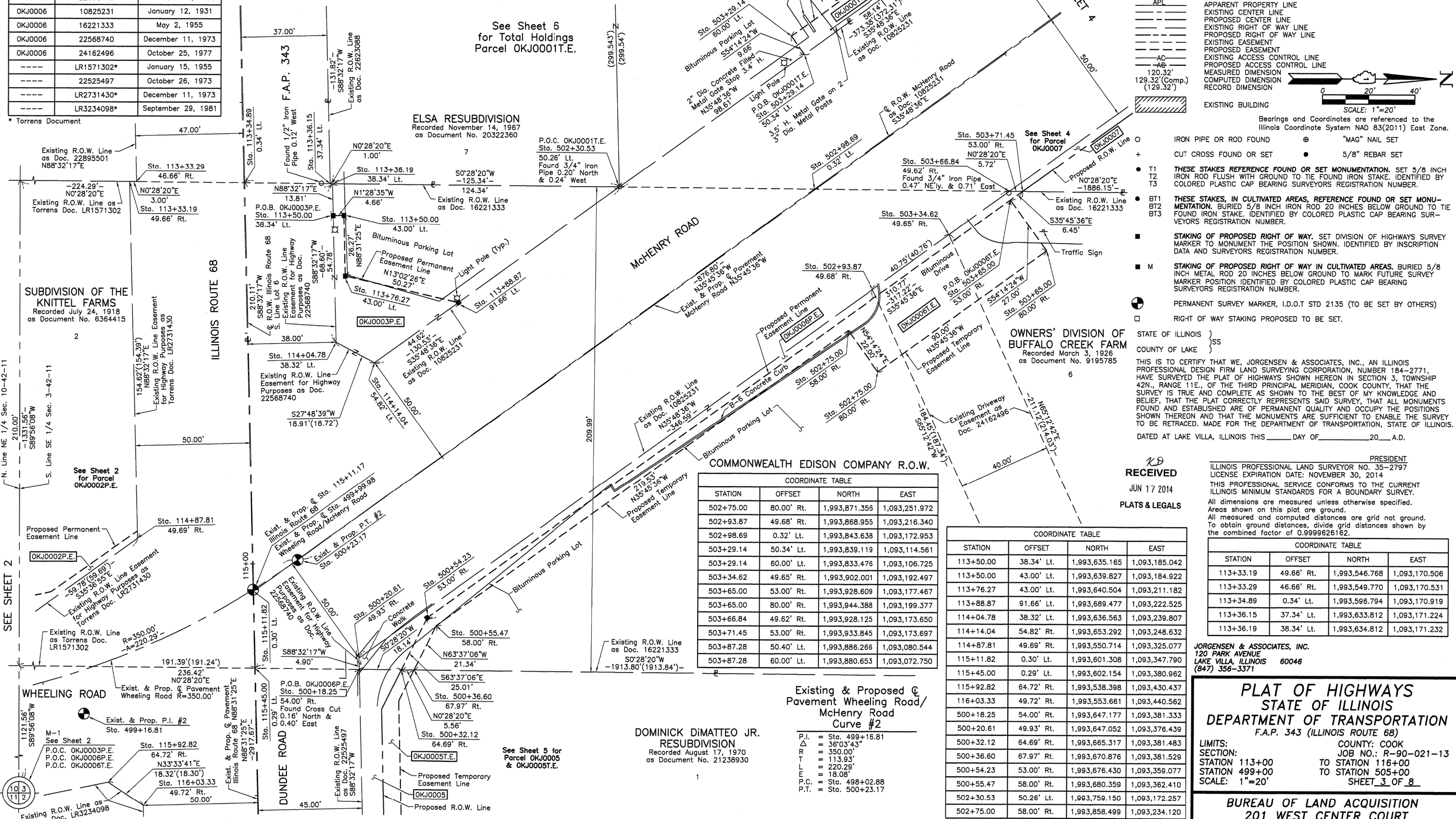
MADE BY

PART OF THE SE 1/4 OF SEC. 3, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
OKJ0001	10825231	January 12, 1931
OKJ0001	22623088	February 7, 1974
OKJ0003	10825231	January 12, 1931
OKJ0003	16221333	May 2, 1955
OKJ0003	22568740	December 11, 1973
OKJ0006	10825231	January 12, 1931
OKJ0006	16221333	May 2, 1955
OKJ0006	22568740	December 11, 1973
OKJ0006	24162496	October 25, 1977
---	LR1571302*	January 15, 1955
---	22525497	October 26, 1973
---	LR2731430*	December 11, 1973
---	LR3234098*	September 29, 1981

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OKJ0001T.E.	5.567	N/A	N/A	5.567	0.013	Construction Purposes	03-03-400-030 03-03-400-065 03-03-400-066
OKJ0003P.E.	N/A	N/A	N/A	N/A	0.030	Highway Purposes	03-03-400-081
OKJ0006P.E.	N/A	N/A	N/A	N/A	P.E.=0.031 T.E.=0.084	Highway Purposes Construction Purposes	03-03-400-081

McHENRY ROAD RESUBDIVISION
Recorded April 2, 1987
as Document No. 87175571



LEGEND

SECTION CORNER 16 15 QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

SCALE: 1"=20'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

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

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● T2
● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT2
● BT3

■ 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 STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

* Torrens Document

SUBDIVISION OF THE KNITTEL FARMS
Recorded July 24, 1918
as Document No. 6364415

ELSA RESUBDIVISION
Recorded November 14, 1987
as Document No. 20322360

OWNERS' DIVISION OF BUFFALO CREEK FARM
Recorded March 3, 1926
as Document No. 9195785

N. Line NE 1/4 Sec. 10-42-11

S. Line SE 1/4 Sec. 3-42-11

See Sheet 2 for Parcel OKJ0002P.E.

SEE SHEET 2

WHEELING ROAD
Exist. & Prop. P.I. #2
Sta. 499+16.81

See Sheet 2
P.O.C. OKJ0003P.E.
P.O.C. OKJ0006P.E.
P.O.C. OKJ0006T.E.

Existing R.O.W. Line as Torrens Doc. LR3234098

SEE SHEET 2

COMMONWEALTH EDISON COMPANY R.O.W.

STATION	OFFSET	NORTH	EAST
502+75.00	80.00' Rt.	1,993,871.358	1,093,251.972
502+93.87	49.68' Rt.	1,993,868.955	1,093,216.340
502+98.69	0.32' Lt.	1,993,843.638	1,093,172.953
503+29.14	50.34' Lt.	1,993,839.119	1,093,114.561
503+29.14	60.00' Lt.	1,993,833.478	1,093,106.725
503+34.62	49.65' Rt.	1,993,902.001	1,093,192.497
503+65.00	53.00' Rt.	1,993,928.609	1,093,177.467
503+65.00	80.00' Rt.	1,993,944.388	1,093,199.377
503+66.84	49.62' Rt.	1,993,928.125	1,093,173.650
503+71.45	53.00' Rt.	1,993,933.845	1,093,173.697
503+87.28	50.40' Lt.	1,993,886.266	1,093,080.544
503+87.28	60.00' Lt.	1,993,880.653	1,093,072.750

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
113+50.00	38.34' Lt.	1,993,635.165	1,093,185.042
113+50.00	43.00' Lt.	1,993,639.827	1,093,184.922
113+76.27	43.00' Lt.	1,993,640.504	1,093,211.182
113+88.87	91.66' Lt.	1,993,689.477	1,093,222.525
114+04.78	38.32' Lt.	1,993,636.563	1,093,239.807
114+14.04	54.82' Rt.	1,993,653.292	1,093,248.632
114+87.81	49.69' Rt.	1,993,550.714	1,093,325.077
115+11.82	0.30' Lt.	1,993,601.308	1,093,347.790
115+45.00	0.29' Lt.	1,993,602.154	1,093,380.962
115+92.82	64.72' Rt.	1,993,538.398	1,093,430.437
116+03.33	49.72' Rt.	1,993,553.661	1,093,440.562
500+18.25	54.00' Rt.	1,993,647.177	1,093,381.333
500+20.61	49.93' Rt.	1,993,647.052	1,093,376.439
500+32.12	64.69' Rt.	1,993,665.317	1,093,381.483
500+36.60	67.97' Rt.	1,993,670.876	1,093,381.529
500+54.23	53.00' Rt.	1,993,676.430	1,093,359.077
500+55.47	58.00' Rt.	1,993,680.359	1,093,362.410
502+30.53	50.26' Lt.	1,993,759.150	1,093,172.257
502+75.00	58.00' Rt.	1,993,858.499	1,093,234.120

Existing & Proposed Pavement Wheeling Road/McHenry Road Curve #2

P.I. = Sta. 499+16.81
Δ = 36°03'43"
R = 350.00'
T = 113.93'
L = 220.29'
P.C. = Sta. 18.08
P.T. = Sta. 498+02.88

DOMINICK DiMATTEO JR. RESUBDIVISION
Recorded August 17, 1970
as Document No. 21238930

See Sheet 5 for Parcel OKJ0005 & OKJ0005T.E.

REVISION DATE

REVISION

MADE BY

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 42N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

RECEIVED
JUN 17 2014
PLATS & LEGALS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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

All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999626162.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
113+33.19	49.66' Rt.	1,993,546.768	1,093,170.506
113+33.29	46.66' Rt.	1,993,549.770	1,093,170.531
113+34.89	0.34' Lt.	1,993,596.794	1,093,170.919
113+36.15	37.34' Lt.	1,993,633.812	1,093,171.224
113+36.19	38.34' Lt.	1,993,634.812	1,093,171.232

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 343 (ILLINOIS ROUTE 68)

LIMITS: COUNTY: COOK
SECTION: JOB NO.: R-90-021-13
STATION 113+00 TO STATION 116+00
STATION 499+00 TO STATION 505+00
SCALE: 1"=20' SHEET 3 OF 8

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

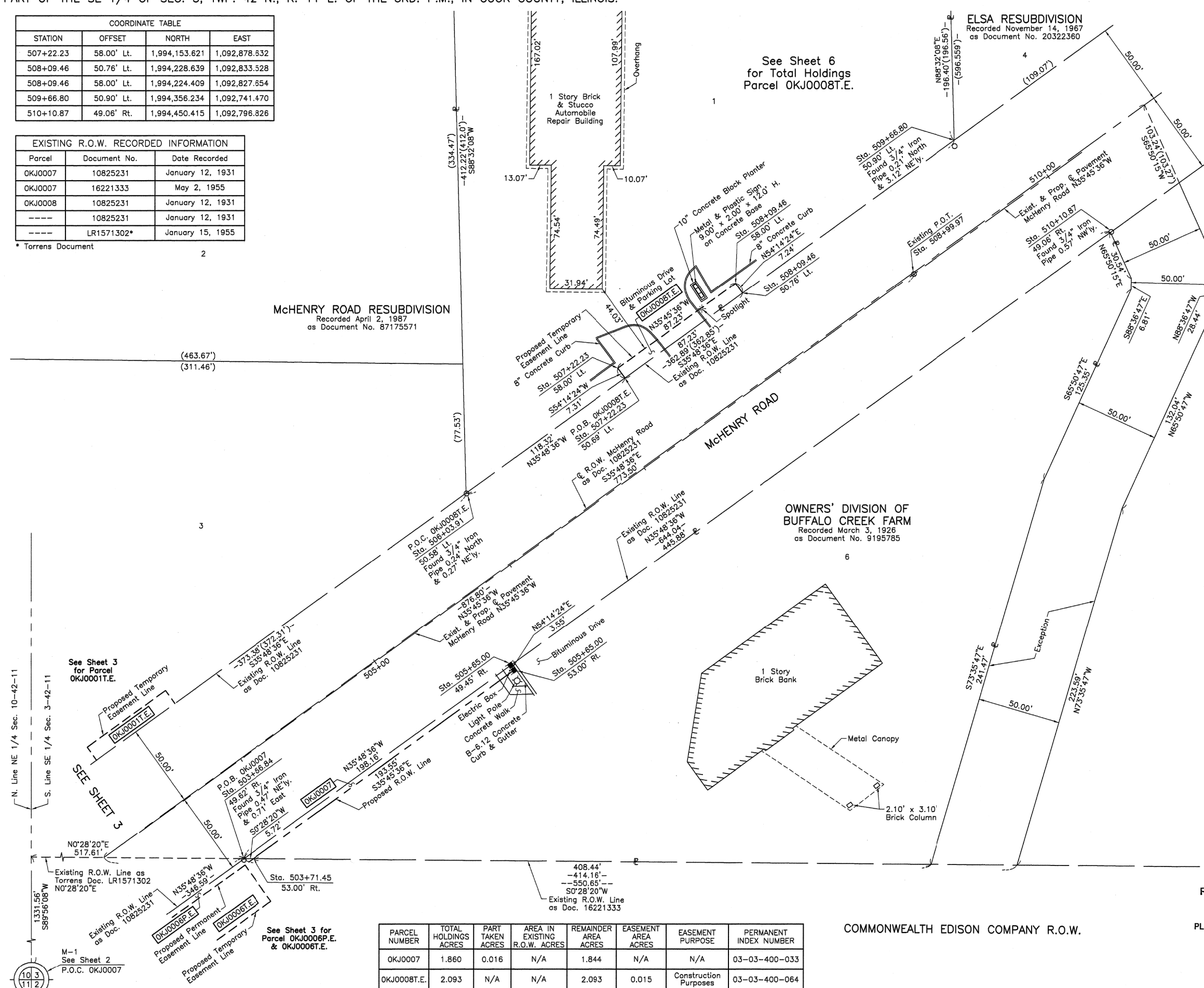
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
507+22.23	58.00' Lt.	1,994,153.621	1,092,878.532
508+09.46	50.76' Lt.	1,994,228.639	1,092,833.528
508+09.46	58.00' Lt.	1,994,224.409	1,092,827.654
509+66.80	50.90' Lt.	1,994,356.234	1,092,741.470
510+10.87	49.06' Rt.	1,994,450.415	1,092,796.826

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
OKJ0007	10825231	January 12, 1931
OKJ0007	16221333	May 2, 1955
OKJ0008	10825231	January 12, 1931
---	10825231	January 12, 1931
---	LR1571302*	January 15, 1955

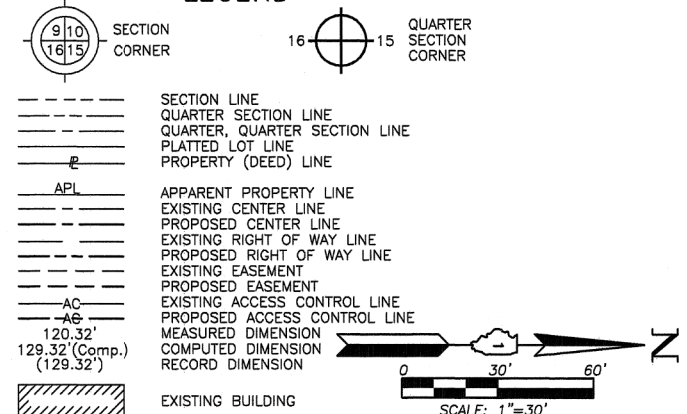
* Torrens Document

2

McHENRY ROAD RESUBDIVISION
Recorded April 2, 1987
as Document No. 87175571



LEGEND



- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- 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 STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 42N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999626162.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
503+66.84	49.62' Rt.	1,993,928.125	1,093,173.650
503+71.45	53.00' Rt.	1,993,933.845	1,093,173.697
505+65.00	49.45' Rt.	1,994,088.827	1,093,057.705
505+65.00	53.00' Rt.	1,994,090.904	1,093,060.588
506+03.91	50.58' Lt.	1,994,061.944	1,092,953.796
507+22.23	50.69' Lt.	1,994,157.896	1,092,884.568

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 343 (ILLINOIS ROUTE 68)

LIMITS: COUNTY: COOK
SECTION: JOB NO.: R-90-021-13
STATION 503+00 TO STATION 511+00
SCALE: 1"=30' SHEET 4 OF 8

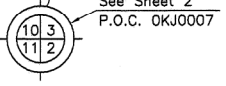
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OKJ0007	1.860	0.016	N/A	1.844	N/A	N/A	03-03-400-033
OKJ0008T.E.	2.093	N/A	N/A	2.093	0.015	Construction Purposes	03-03-400-064

REVISION DATE REVISION MADE BY

COMMONWEALTH EDISON COMPANY R.O.W.

RECEIVED
JUN 17 2014
PLATS & LEGALS



OWNERS' DIVISION OF BUFFALO CREEK FARM
Recorded March 3, 1926
as Document No. 9195785

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OKJ0005	7.490	0.223	0.125	7.267	0.115	Construction Purposes	03-03-400-047
OKJ0005T.E.							03-03-400-048

DOMINICK DIMATTEO JR. RESUBDIVISION
Recorded August 17, 1970
as Document No. 21238930

See Sheet 7 for
Total Holdings Parcel
OKJ0005 & OKJ0005T.E.

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
OKJ0005	16221333	May 2, 1955
OKJ0005	22525497	October 26, 1973
----	LR514017*	July 21, 1930
----	10825231	January 12, 1931
----	LR2731430*	December 11, 1973
----	LR3234098*	September 29, 1981
----	LR3234108*	September 29, 1981
----	96232597	March 27, 1996

* Torrens Document

LEGEND

SECTION CORNER 9 10 16 15
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

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

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING 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 STD 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 42N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
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To obtain ground distances, divide grid distances shown by the combined factor of 0.9999626162.

COORDINATE TABLE

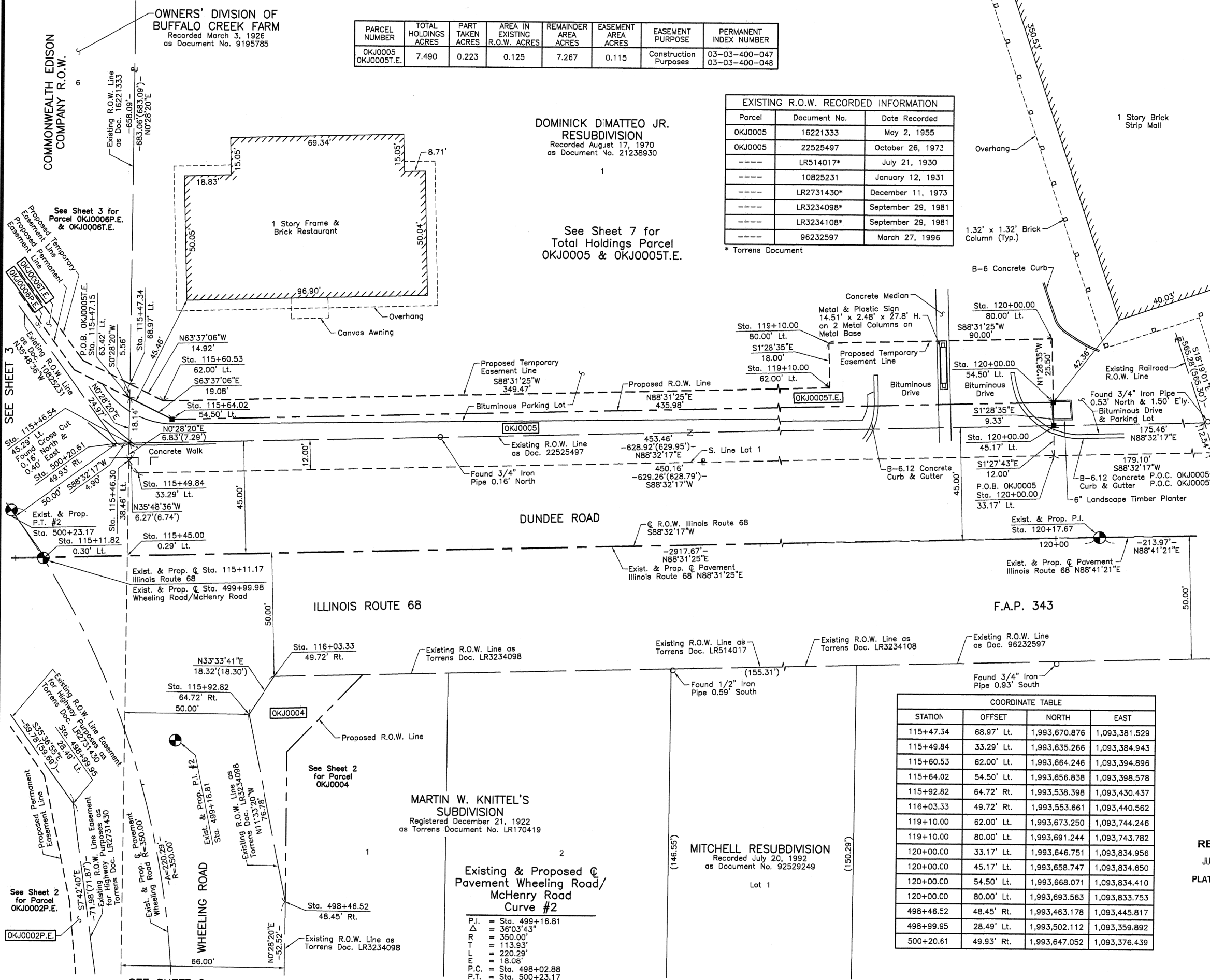
STATION	OFFSET	NORTH	EAST
115+11.82	0.30' Lt.	1,993,601.308	1,093,347.790
115+45.00	0.29' Lt.	1,993,602.154	1,093,380.962
115+46.30	38.46' Lt.	1,993,640.347	1,093,381.277
115+46.54	45.29' Lt.	1,993,647.177	1,093,381.333
115+47.15	63.42' Lt.	1,993,665.317	1,093,381.483

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 343 (ILLINOIS ROUTE 68)

LIMITS: COUNTY: COOK
SECTION: JOB NO.: R-90-021-13
STATION 115+00 TO STATION 121+00
STATION 498+00 TO STATION 501+00
SCALE: 1"=20' SHEET 5 OF 8

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



COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
115+47.34	68.97' Lt.	1,993,670.876	1,093,381.529
115+49.84	33.29' Lt.	1,993,635.266	1,093,384.943
115+60.53	62.00' Lt.	1,993,664.246	1,093,394.896
115+64.02	54.50' Lt.	1,993,656.838	1,093,398.578
115+92.82	64.72' Rt.	1,993,538.398	1,093,430.437
116+03.33	49.72' Rt.	1,993,553.661	1,093,440.562
119+10.00	62.00' Lt.	1,993,673.250	1,093,744.246
119+10.00	80.00' Lt.	1,993,691.244	1,093,743.782
120+00.00	33.17' Lt.	1,993,646.751	1,093,834.956
120+00.00	45.17' Lt.	1,993,658.747	1,093,834.650
120+00.00	54.50' Lt.	1,993,668.071	1,093,834.410
120+00.00	80.00' Lt.	1,993,693.563	1,093,833.753
498+46.52	48.45' Rt.	1,993,463.178	1,093,445.817
498+99.95	28.49' Lt.	1,993,502.112	1,093,359.892
500+20.61	49.93' Rt.	1,993,647.052	1,093,376.439

P.I. = Sta. 499+16.81
Δ = 36°03'43"
R = 350.00'
T = 113.93'
L = 220.29'
E = 18.08'
P.C. = Sta. 498+02.88
P.T. = Sta. 500+23.17

RECEIVED
JUN 17 2014
PLATS & LEGALS

REVISION DATE REVISION

MADE BY

PART OF THE SE 1/4 OF SEC. 3, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

GELLER'S SUBDIVISION
Recorded February 8, 2006
as Document No. 0603945055

LOT 1

ELSA RESUBDIVISION
Recorded November 14, 1967
as Document No. 20322360

LEGEND

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

--- SECTION LINE
--- QUARTER SECTION LINE
--- QUARTER, QUARTER SECTION LINE
--- PLATTED LOT LINE
--- PROPERTY (DEED) LINE

--- APL --- APPARENT PROPERTY LINE
--- EXISTING CENTER LINE
--- PROPOSED CENTER LINE
--- EXISTING RIGHT OF WAY LINE
--- PROPOSED RIGHT OF WAY LINE
--- EXISTING EASEMENT
--- PROPOSED EASEMENT
--- AC --- EXISTING ACCESS CONTROL LINE
--- AG --- PROPOSED ACCESS CONTROL LINE
--- 120.32' --- MEASURED DIMENSION
--- 129.32'(Comp.) --- COMPUTED DIMENSION
--- (129.32') --- RECORD DIMENSION

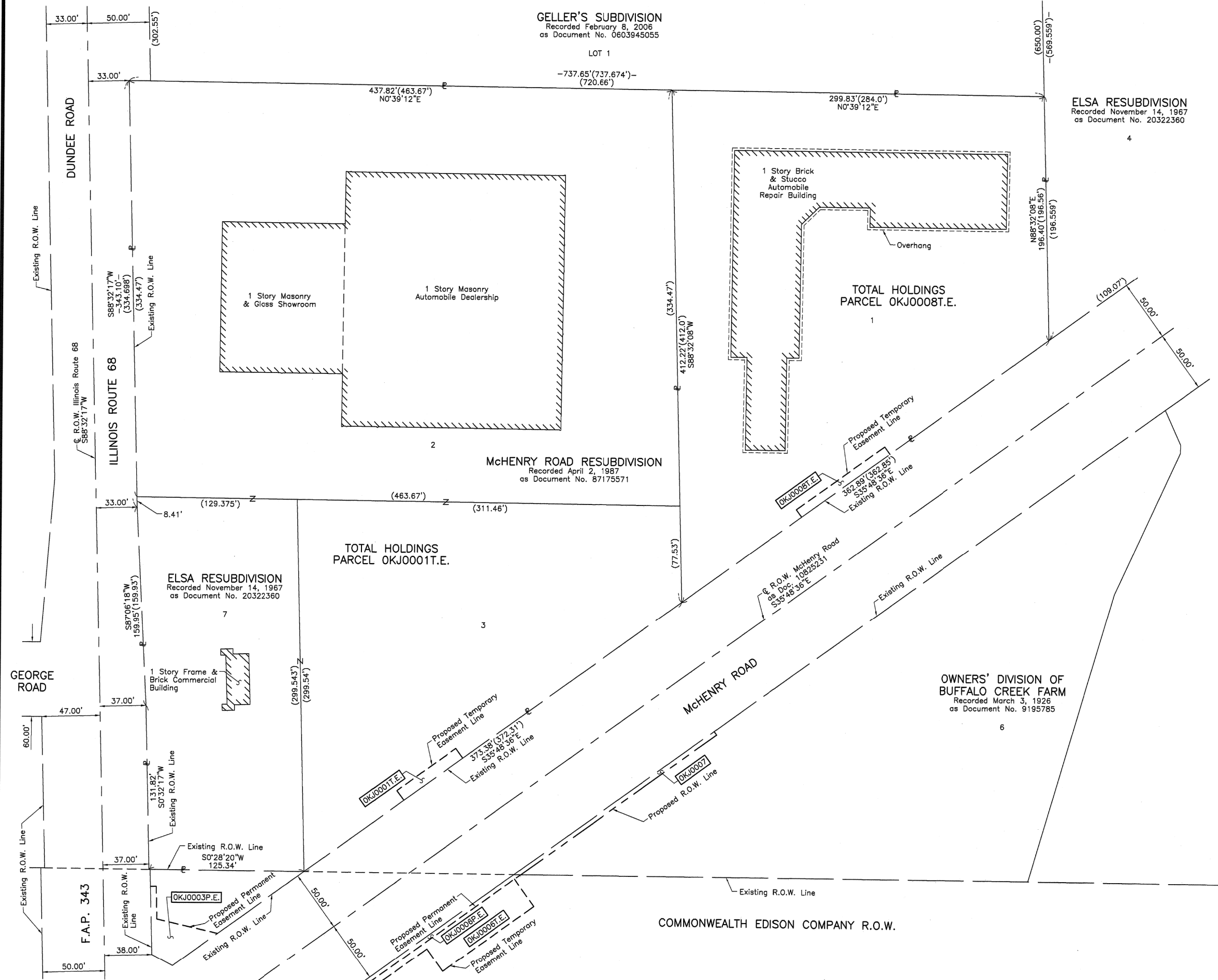
EXISTING BUILDING

Scale: 1"=40'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

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

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ 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 STD 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.



STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 42N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
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RECEIVED
JAN 17 2014
PLATS & LEGALS

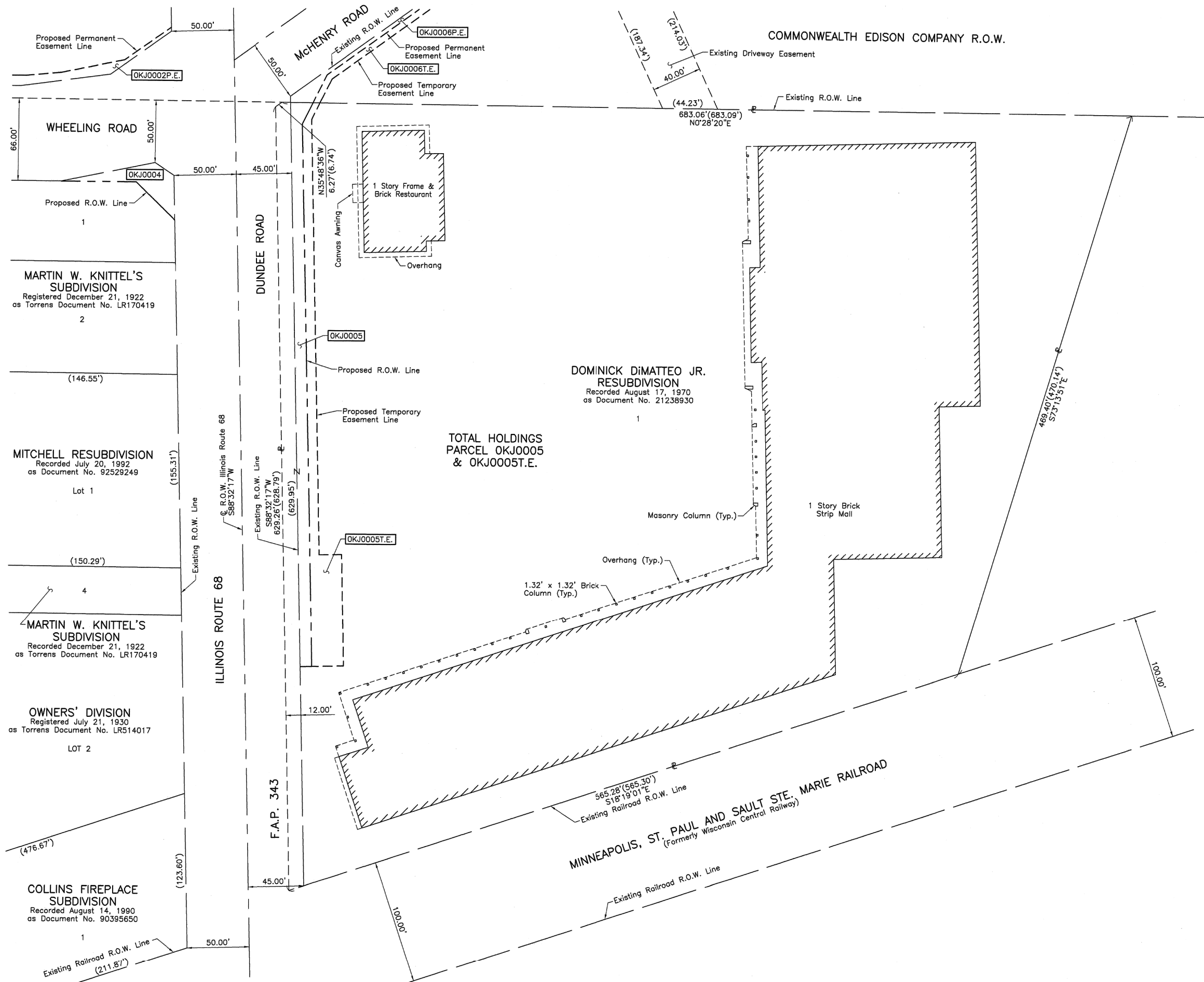
JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 343 (ILLINOIS ROUTE 68)

LIMITS: COUNTY: COOK
SECTION: NONE JOB NO.: R-90-021-13
STATION: NONE TO STATION
SCALE: 1"=40' SHEET 6 OF 8

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

PART OF THE SE 1/4 OF SEC. 3, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

SECTION CORNER 9 10 16 15 QUARTER SECTION CORNER 16 15

SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE

120.32'
 129.32'(Comp.)
 (129.32')

SCALE: 1"=40'

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
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- 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 STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 42N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE TRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 All dimensions are measured unless otherwise specified.
 Areas shown on this plat are ground.
 All measured and computed distances are grid not ground.
 To obtain ground distances, divide grid distances shown by the combined factor of 0.9999626162.

RECEIVED
 JUN 17 2014
 PLATS & LEGALS

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.P. 343 (ILLINOIS ROUTE 68)

LIMITS: COUNTY: COOK
 SECTION: JOB NO.: R-90-021-13
 STATION NONE TO STATION
 SCALE: 1"=40' SHEET 7 OF 8

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

REVISION DATE REVISION

MADE BY

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

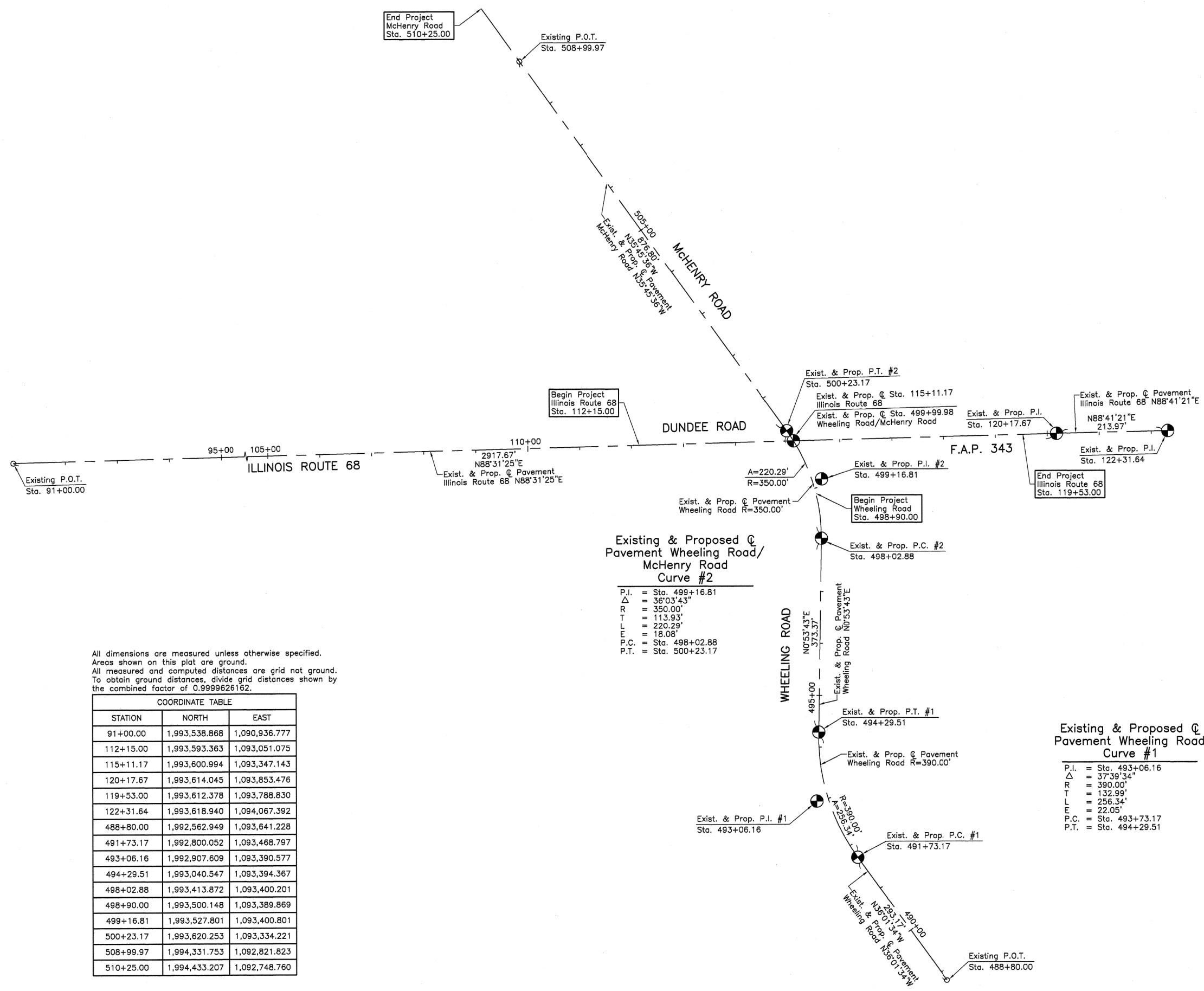
SECTION LINE
QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

0 100' 200'
SCALE: 1"=100'



Existing & Proposed C Pavement Wheeling Road/ McHenry Road Curve #2

P.I. = Sta. 499+16.81
Δ = 36°03'43"
R = 350.00'
T = 113.93'
L = 220.29'
E = 18.08'
P.C. = Sta. 498+02.88
P.T. = Sta. 500+23.17

Existing & Proposed C Pavement Wheeling Road Curve #1

P.I. = Sta. 493+06.16
Δ = 37°39'34"
R = 390.00'
T = 132.99'
L = 256.34'
E = 22.05'
P.C. = Sta. 493+73.17
P.T. = Sta. 494+29.51

All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999626162.

COORDINATE TABLE		
STATION	NORTH	EAST
91+00.00	1,993,538.868	1,090,936.777
112+15.00	1,993,593.363	1,093,051.075
115+11.17	1,993,600.994	1,093,347.143
120+17.67	1,993,614.045	1,093,853.476
119+53.00	1,993,612.378	1,093,788.830
122+31.64	1,993,618.940	1,094,067.392
488+80.00	1,992,562.949	1,093,641.228
491+73.17	1,992,800.052	1,093,468.797
493+06.16	1,992,907.609	1,093,390.577
494+29.51	1,993,040.547	1,093,394.367
498+02.88	1,993,413.872	1,093,400.201
498+90.00	1,993,500.148	1,093,389.869
499+16.81	1,993,527.801	1,093,400.801
500+23.17	1,993,620.253	1,093,334.221
508+99.97	1,994,331.753	1,092,821.823
510+25.00	1,994,433.207	1,092,748.760

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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 STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 3, TOWNSHIP 42N., RANGE 11E. AND SECTION 10, TOWNSHIP 42N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
JUN 17 2014

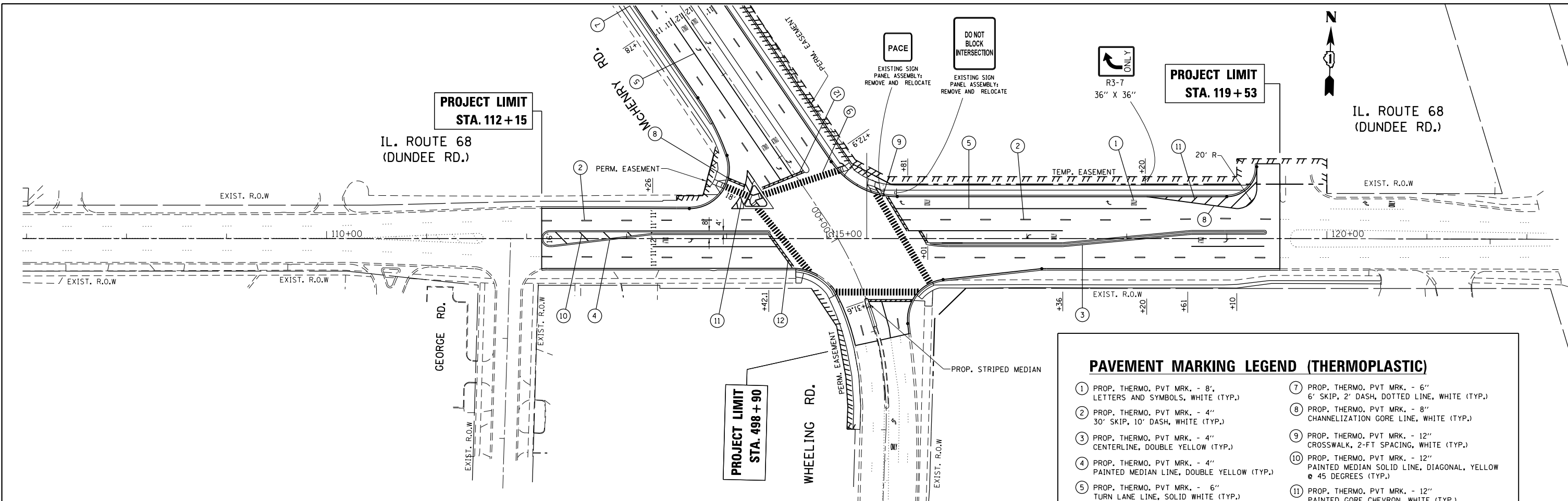
JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

**PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**
F.A.P. 343 (ILLINOIS ROUTE 68)

LIMITS: COUNTY: COOK
SECTION: JOB NO.: R-90-021-13
STATION 91+00.00 TO STATION 122+31.64
STATION 488+80.00 TO STATION 508+99.97
SCALE: 1"=100' SHEET 8 OF 8

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

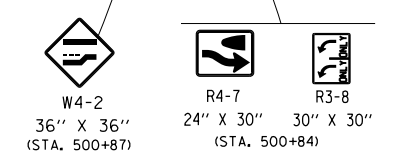
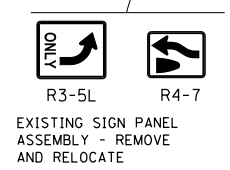
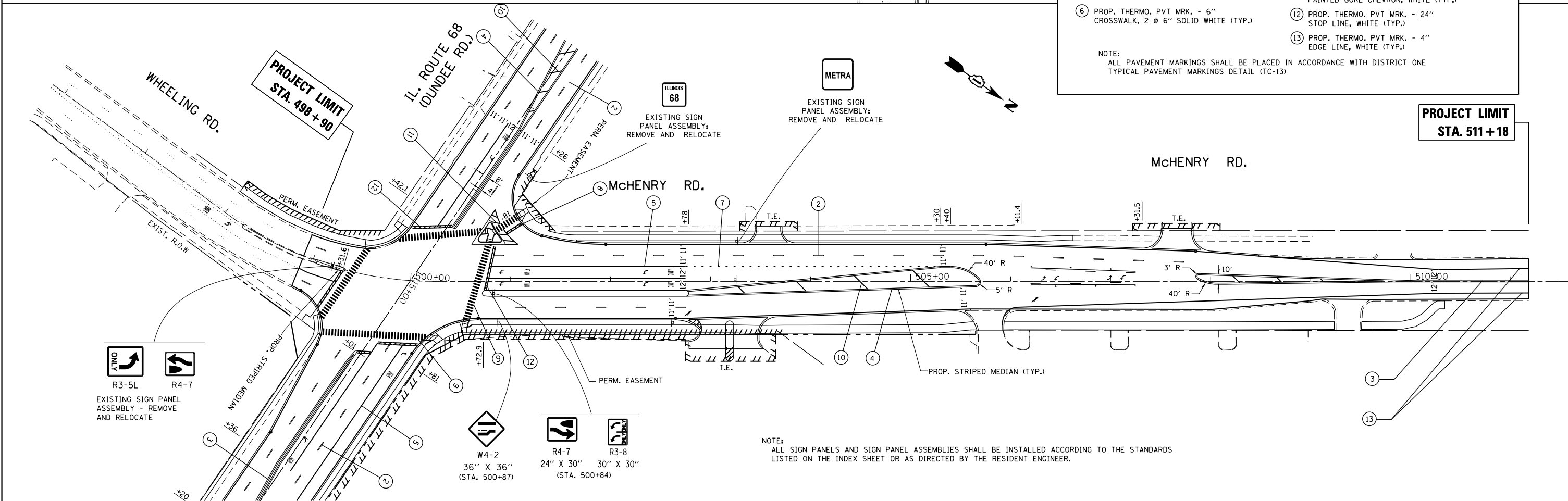
REVISION DATE _____ REVISION _____ MADE BY _____



PAVEMENT MARKING LEGEND (THERMOPLASTIC)

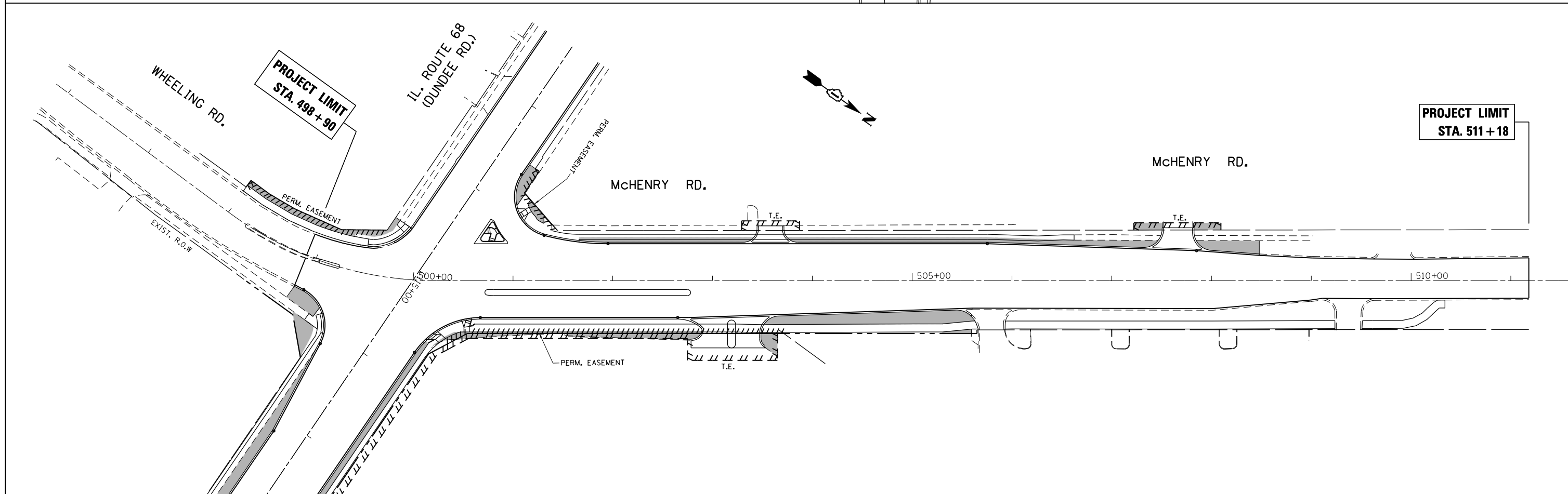
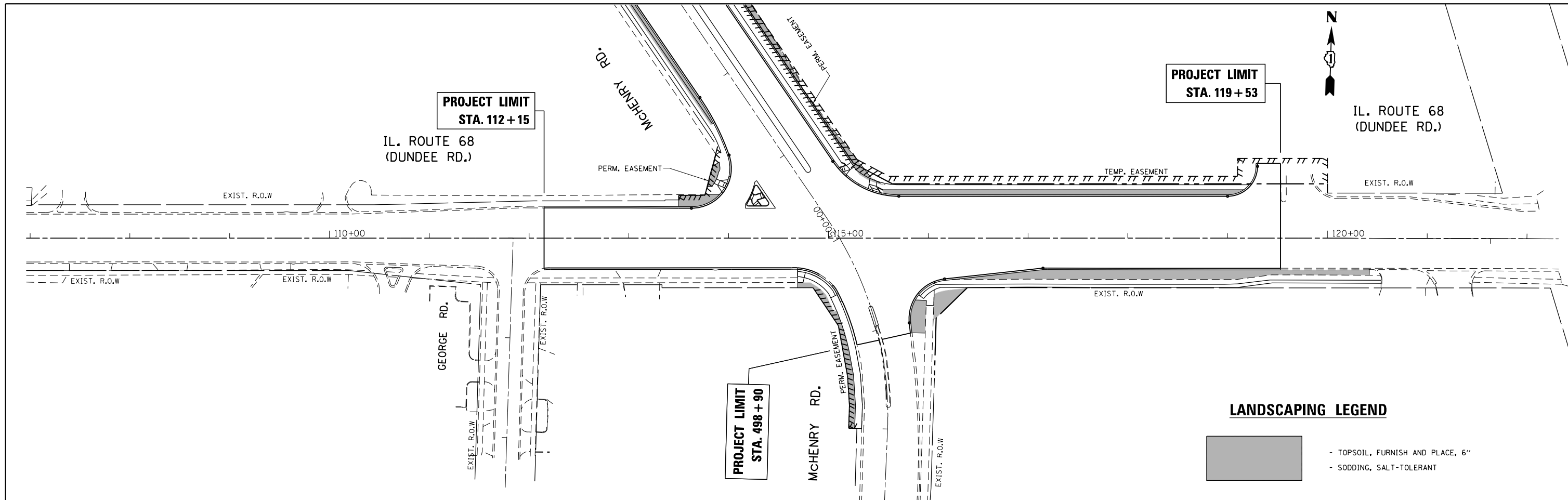
① PROP. THERMO. PVT MK. - 8' LETTERS AND SYMBOLS, WHITE (TYP.)	⑦ PROP. THERMO. PVT MK. - 6" 6' SKIP, 2' DASH, DOTTED LINE, WHITE (TYP.)
② PROP. THERMO. PVT MK. - 4" 30' SKIP, 10' DASH, WHITE (TYP.)	⑧ PROP. THERMO. PVT MK. - 8" CHANNELIZATION GORE LINE, WHITE (TYP.)
③ PROP. THERMO. PVT MK. - 4" CENTERLINE, DOUBLE YELLOW (TYP.)	⑨ PROP. THERMO. PVT MK. - 12" CROSSWALK, 2-FT SPACING, WHITE (TYP.)
④ PROP. THERMO. PVT MK. - 4" PAINTED MEDIAN LINE, DOUBLE YELLOW (TYP.)	⑩ PROP. THERMO. PVT MK. - 12" PAINTED MEDIAN SOLID LINE, DIAGONAL, YELLOW @ 45 DEGREES (TYP.)
⑤ PROP. THERMO. PVT MK. - 6" TURN LANE LINE, SOLID WHITE (TYP.)	⑪ PROP. THERMO. PVT MK. - 12" PAINTED GORE CHEVRON, WHITE (TYP.)
⑥ PROP. THERMO. PVT MK. - 6" CROSSWALK, 2 @ 6" SOLID WHITE (TYP.)	⑫ PROP. THERMO. PVT MK. - 24" STOP LINE, WHITE (TYP.)
	⑬ PROP. THERMO. PVT MK. - 4" EDGE LINE, WHITE (TYP.)

NOTE:
ALL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL (TC-13)



NOTE:
ALL SIGN PANELS AND SIGN PANEL ASSEMBLIES SHALL BE INSTALLED ACCORDING TO THE STANDARDS LISTED ON THE INDEX SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.

FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING AND PAVEMENT MARKING PLAN IL. ROUTE 68 (DUNDEE RD.) AT McHENRY/WHEELING RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\P124812\Design\PI24812-shr-gennote.dgn	PLT SCALE = 100.0000' / in.	CHECKED -	REVISED -			343	3041N-4 (12)	COOK	93	48	
Default	PLT DATE = 4/20/2016	DATE -	REVISED -			CONTRACT NO. 60V96					
						ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN IL. ROUTE 68 (DUNDEE RD.) AT McHENRY /WHEELING RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-sh1-gennote.dgn	PILOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			343	3041N-4 (12)	COOK	93	49	
Default	PLOT DATE = 3/24/2016	DATE -	REVISED -			CONTRACT NO. 60V96					
						ILLINOIS FED. AID PROJECT					

TRAFFIC SIGNAL SUMMARY OF QUANTITIES			IL 68 (DUNDEE RD) @ WHEELING RD / MCHENRY RD		INTERCONNECT
LOCATION OF WORK	CONSTRUCTION CODE		0021	0021	
	UNIT	GRAND TOTAL			
SIGN PANEL - TYPE 1	SQ FT	63	63		
SIGN PANEL - TYPE 2	SQ FT	25	25		
SERVICE INSTALLATION - POLE MOUNTED	EACH	1	1		
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,663	1381		282
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	59	59		
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106	106		
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	598	598		
HANDHOLE	EACH	5	5		
HEAVY-DUTY HANDHOLE	EACH	4	4		
DOUBLE HANDHOLE	EACH	3	3		
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2			2
TRANSCIVER - FIBER OPTIC	EACH	1	1		
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,667			1667
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,055	2055		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,461	3461		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,583	3583		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,574	1574		
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,313	3313		
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	184	184		
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C	FOOT	862	862		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2	2		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2	2		
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1		
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	1		
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	1		
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	1		
CONCRETE FOUNDATION, TYPE A	FOOT	16	16		
CONCRETE FOUNDATION, TYPE C	FOOT	4	4		
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5	13.5		
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39	39		
DRILL EXISTING HANDHOLE	EACH	2			2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9	9		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6	6		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3	3		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3	3		
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10	10		
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12	12		
INDUCTIVE LOOP DETECTOR	EACH	10	10		
DETECTOR LOOP, TYPE I	FOOT	794	794		
* LIGHT DETECTOR	EACH	3	3		
* LIGHT DETECTOR AMPLIFIER	EACH	1	1		
PEDESTRIAN PUSH-BUTTON	EACH	9	9		
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1		
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,017			1017
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1		
REMOVE EXISTING HANDHOLE	EACH	13	13		
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	1		
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8	8		
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1		
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	952	952		
ROD AND CLEAN EXISTING CONDUIT	FOOT	949			949
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1		
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	1		
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,690			1690
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1		
* 100% COST TO THE VILLAGE OF WHEELING					

GENERAL NOTES:

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470, 72 HOURS IN ADVANCE OF BEGINNING WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- 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 CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF 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.
- 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.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
- 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.

FILE NAME = M:\proj\148\2109 PTB 172-6 IDOT Ver. Signal\4-4-07 IL68 (ILB3 to Wheeling Rd)\Design\CAD\Sheet Files\60V96_notes.dgn

USER NAME = dwiktorzak	DESIGNED - KMM	REVISED -
	DRAWN - CDC	REVISED -
PLOT SCALE = 1:8000' / 1"	CHECKED - DW	REVISED -
PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SUMMARY OF QUANTITIES
& GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	50
			CONTRACT NO. 60V96	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

FILE NAME = M:\proj\148\2109 PTB 172-6 IDOT Ver. Signal\14-017 IL68 (IL83 to Wheeling Rd)\Design\CAD\Sheet Files\60V96_Detail.dgn

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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

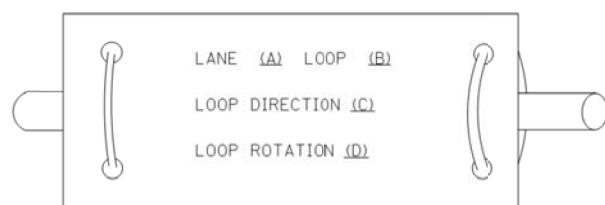
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	51
CONTRACT NO. 60V96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

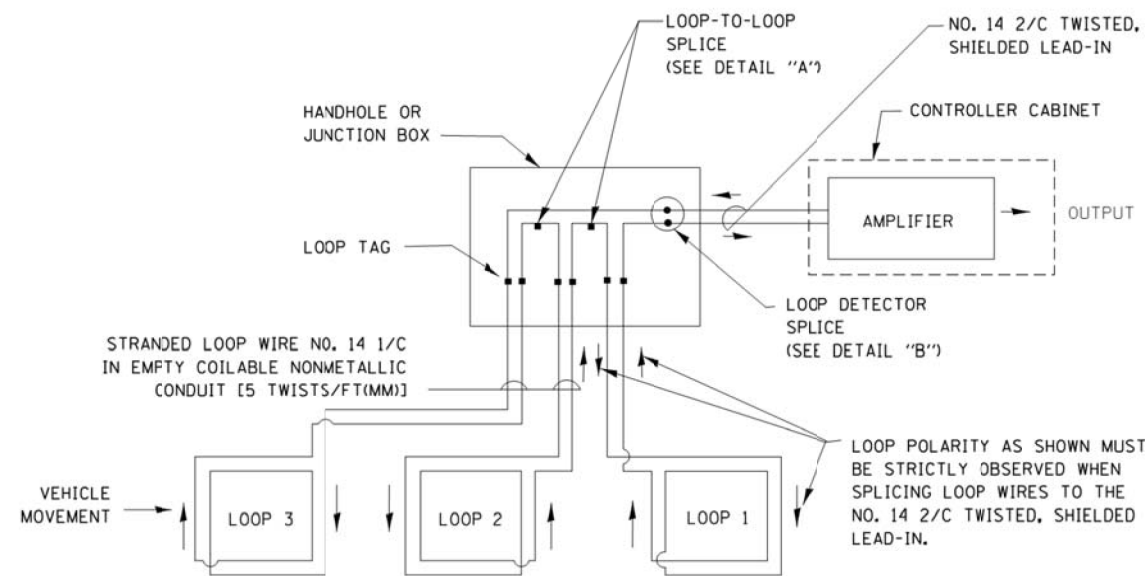
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

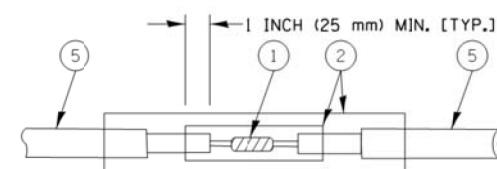


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

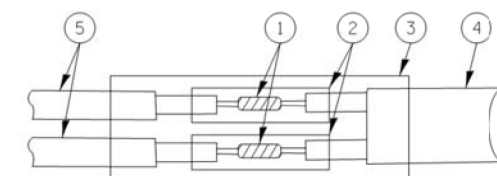


DETECTOR LOOP WIRING SCHEMATIC

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

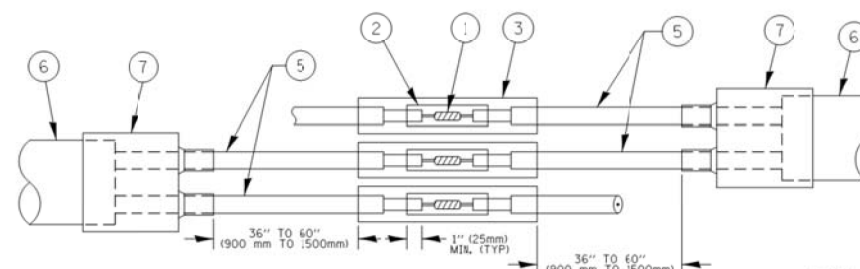


DETAIL "A"
LOOP-TO-LOOP SPLICE

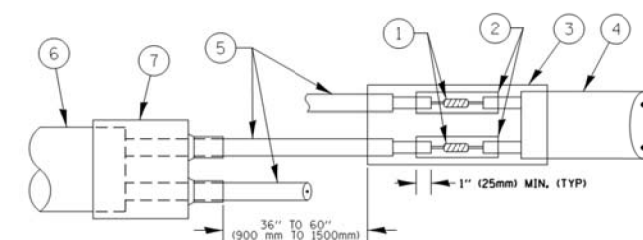


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED 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 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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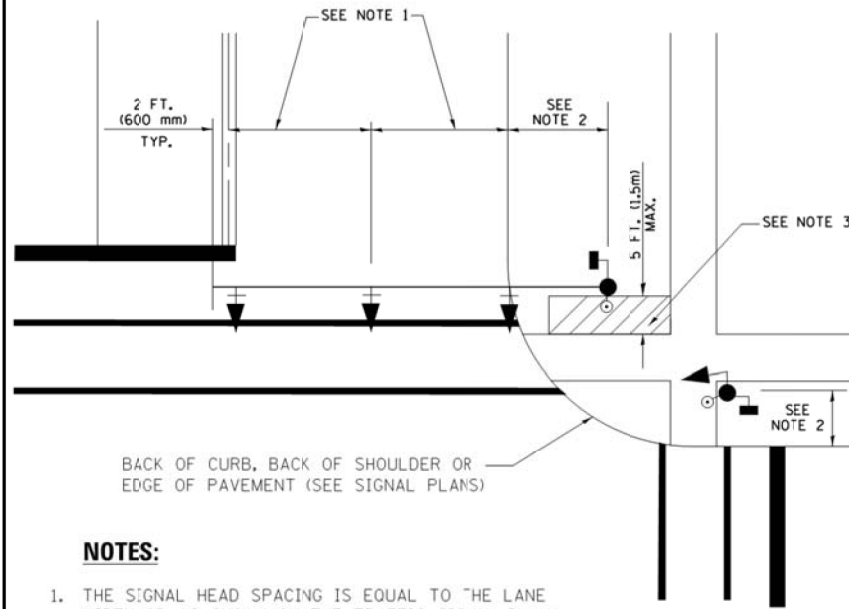
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60V96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

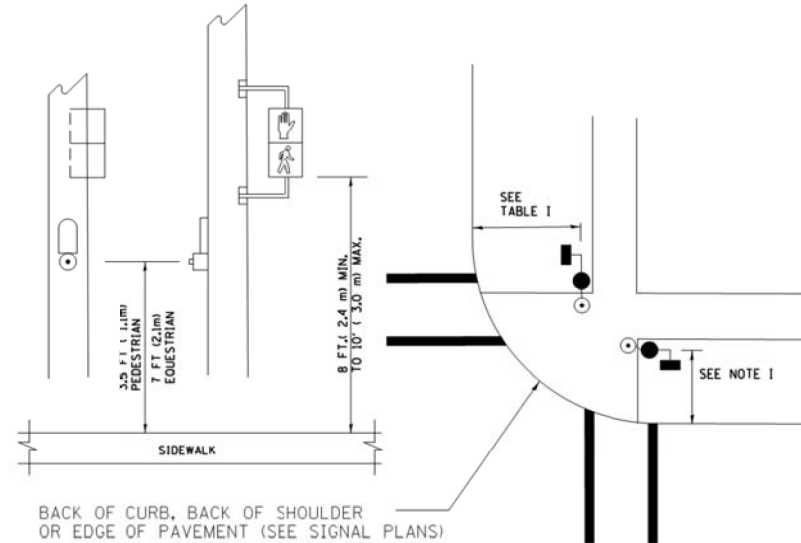
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

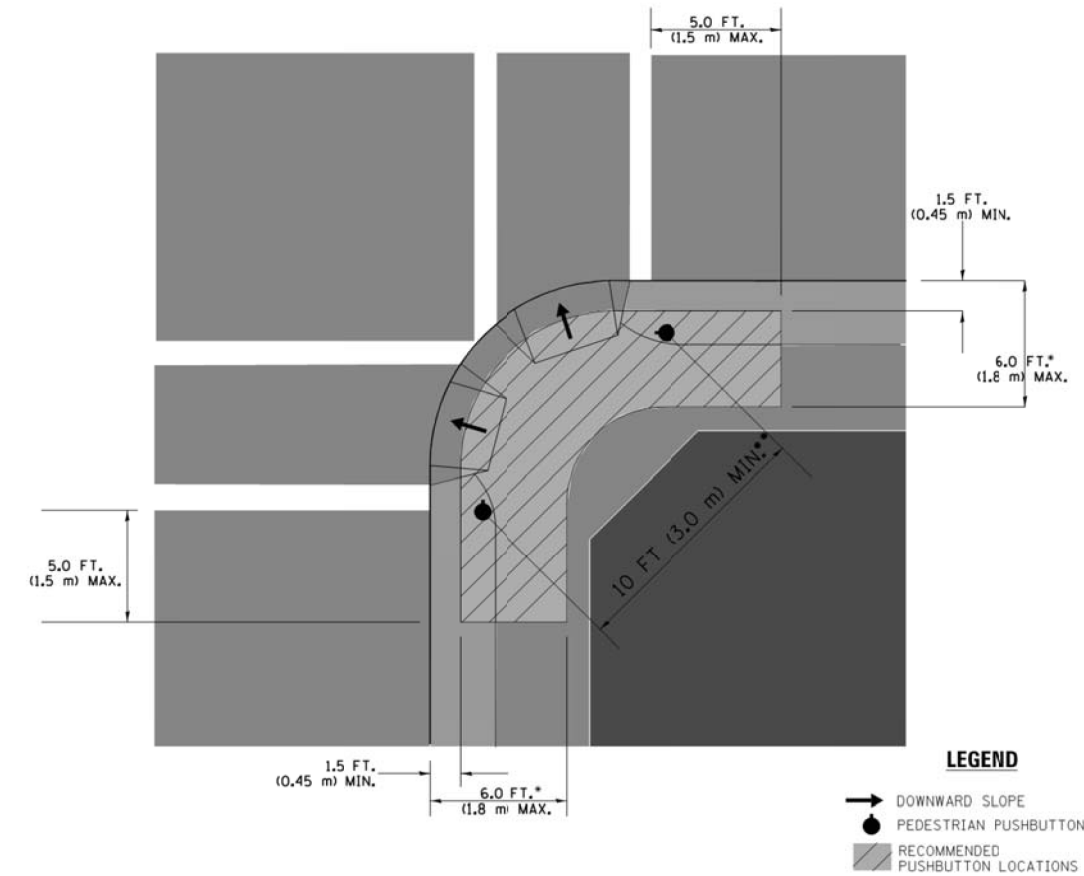
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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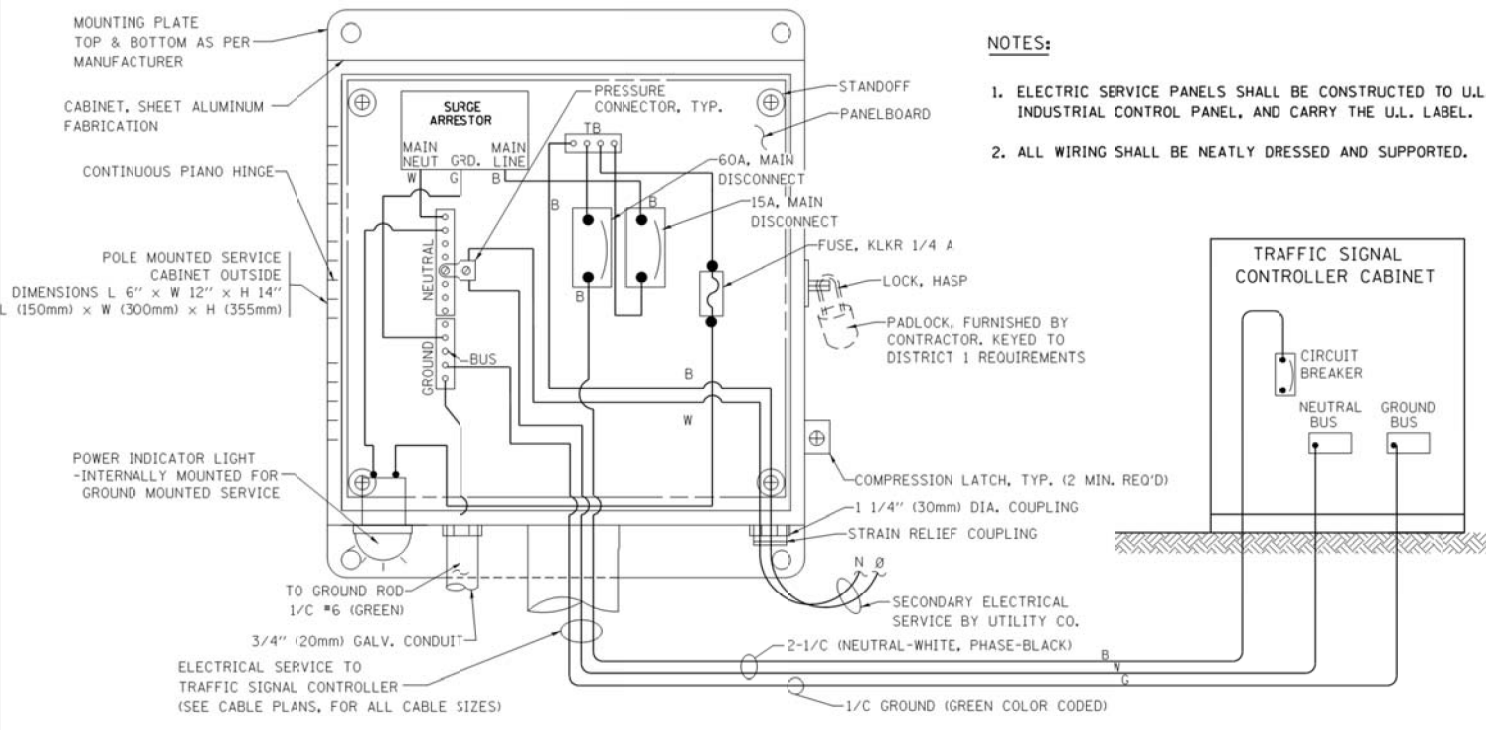
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

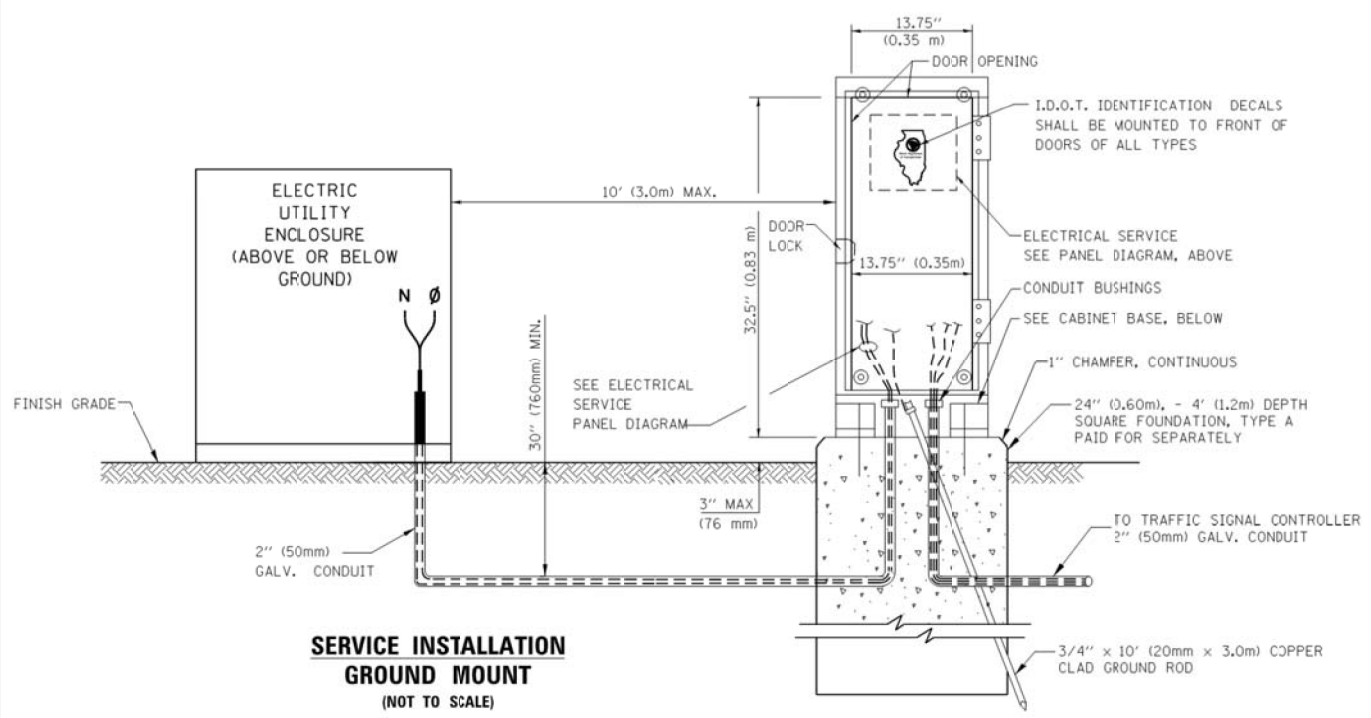
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60V96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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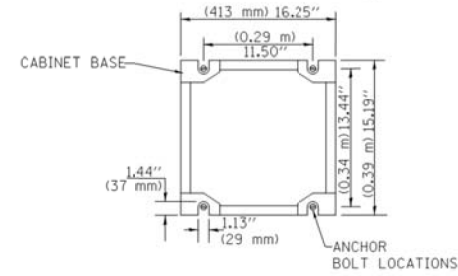


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

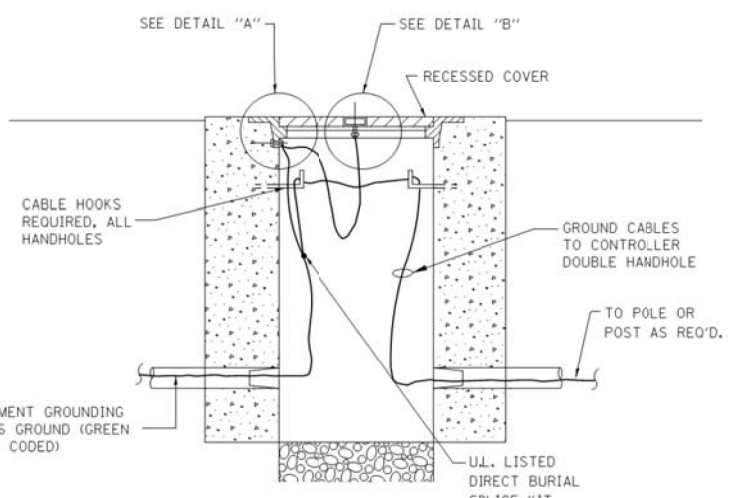
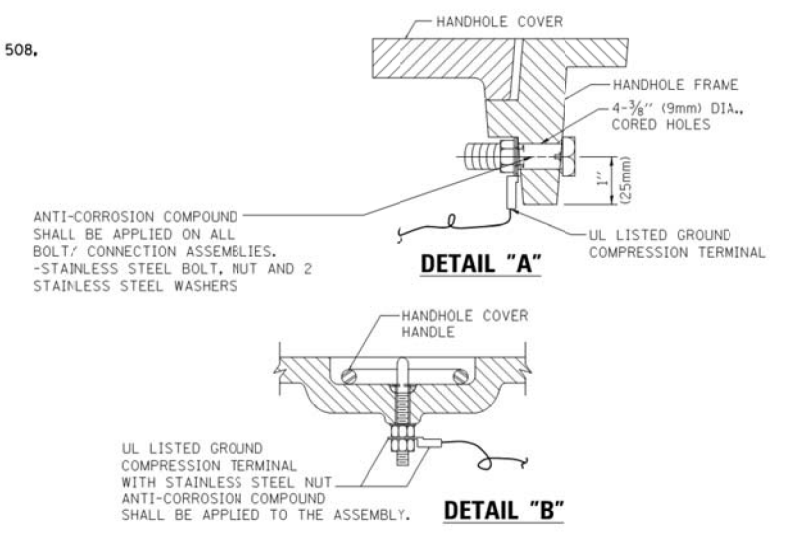


SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

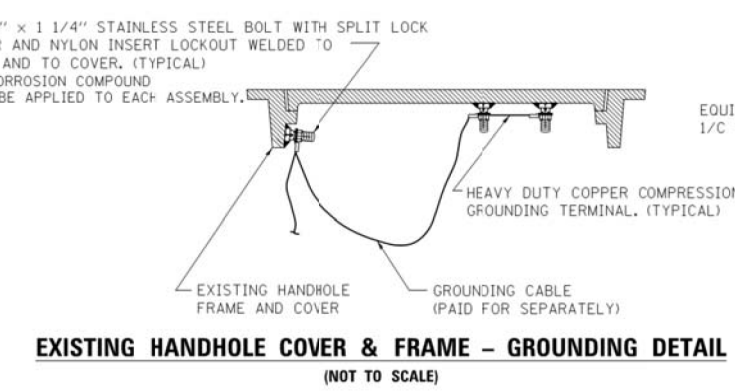
CABINET - BASE BOLT PATTERN (NOT TO SCALE)



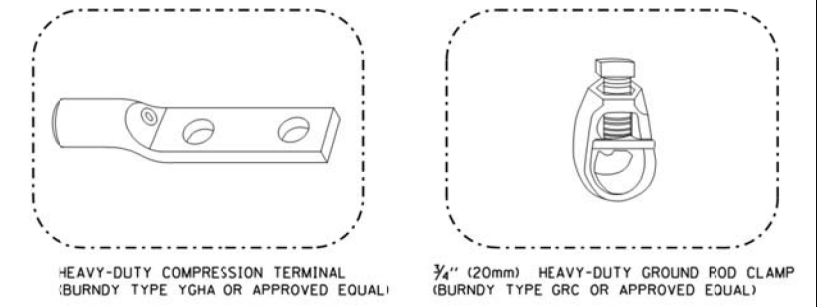
- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



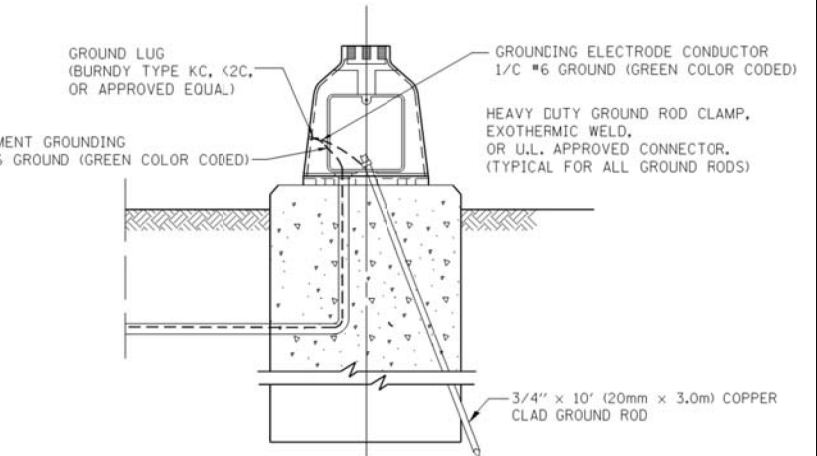
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (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.



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

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

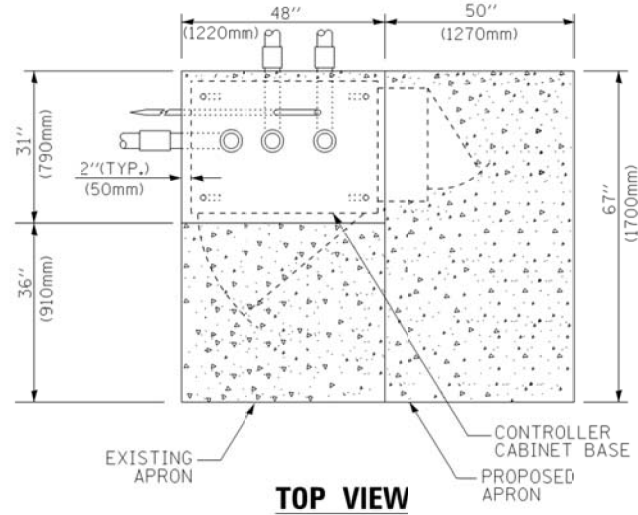
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

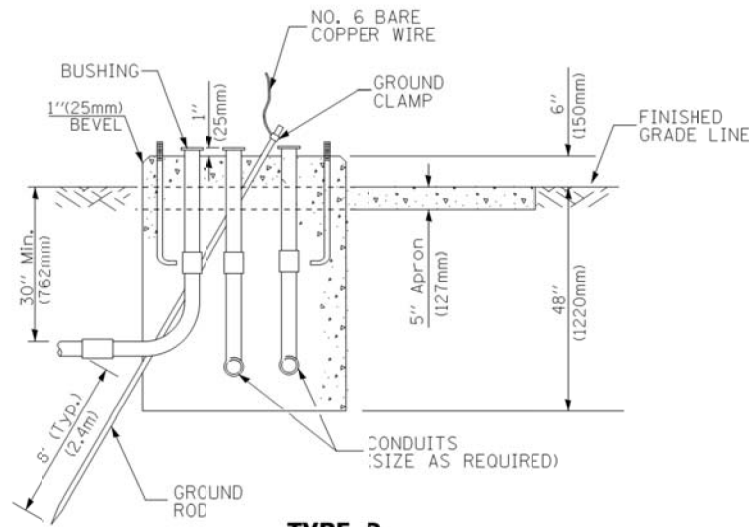
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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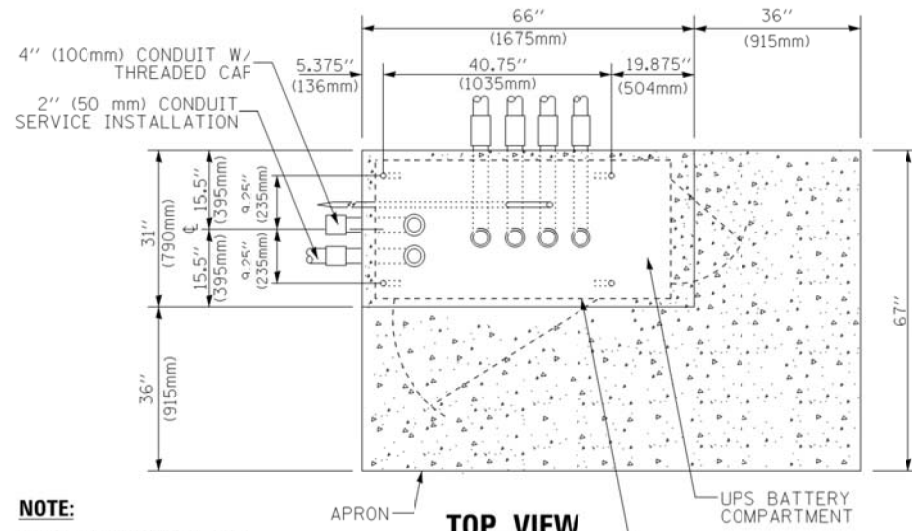
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412	COOK	93	54
CONTRACT NO. 60V96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW

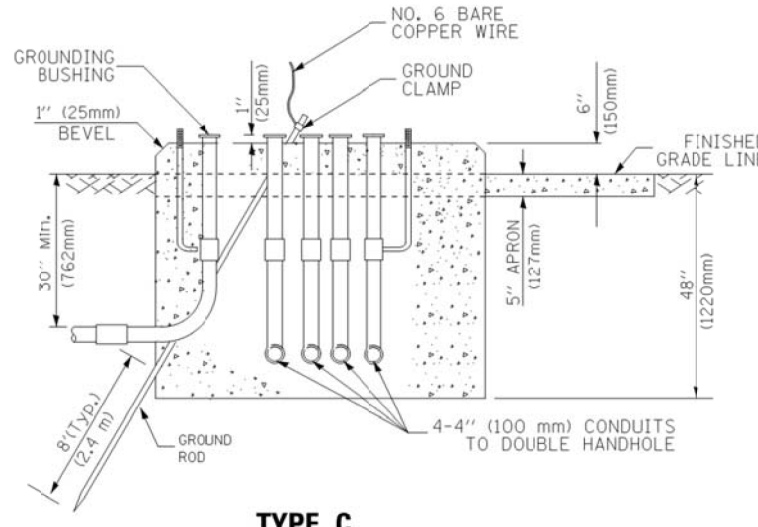


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

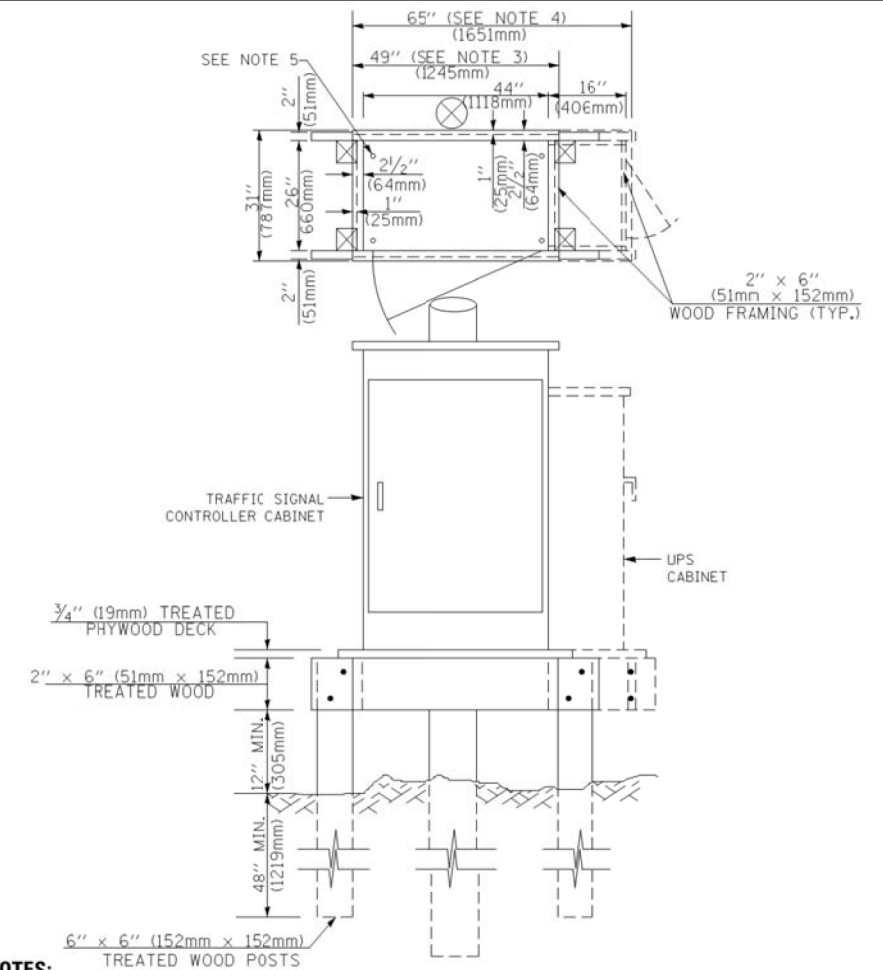


TOP VIEW

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



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



NOTES:

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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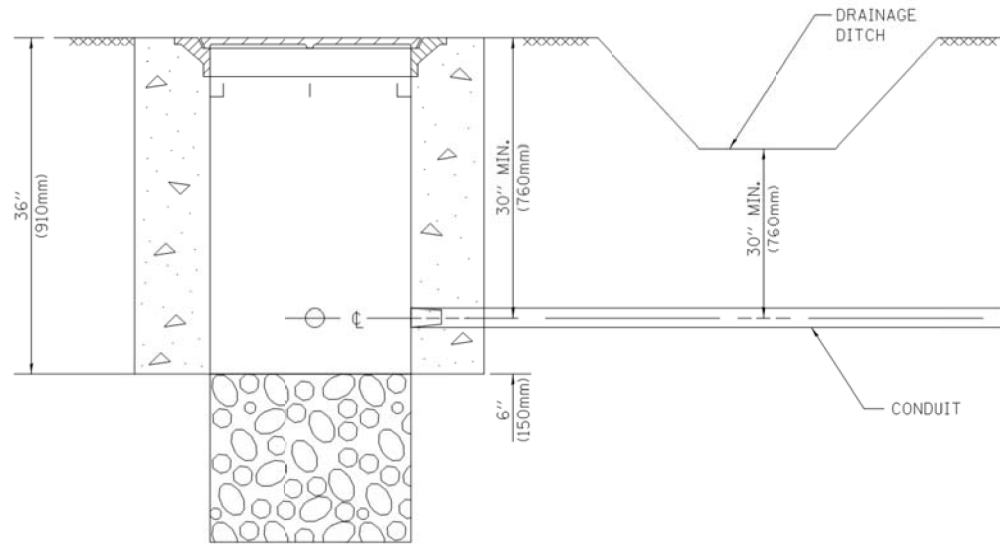
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	DRAWN - CDC	REVISED -
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 5 OF 7 SHEETS STA. TO STA.

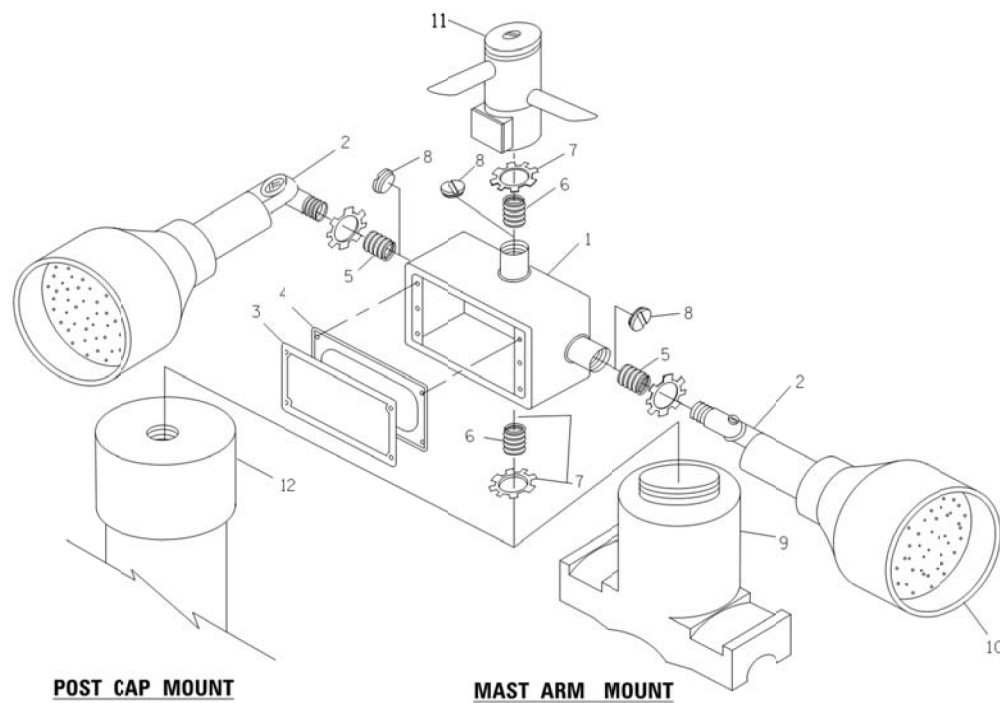
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412	COOK	93	55
CONTRACT NO. 60V96				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



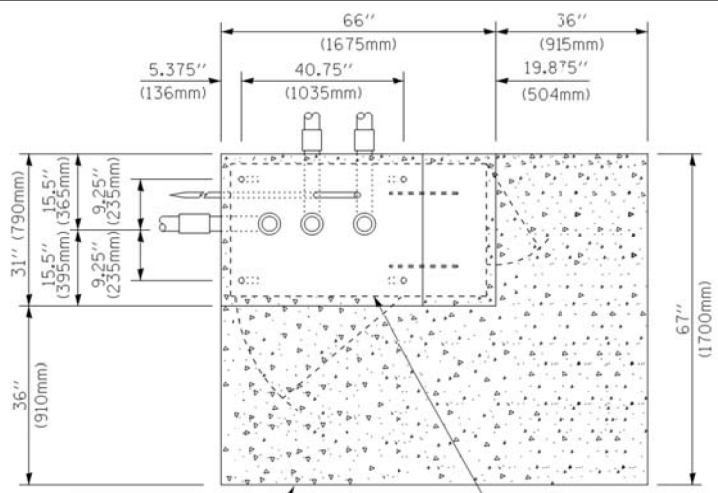
NOTES:

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

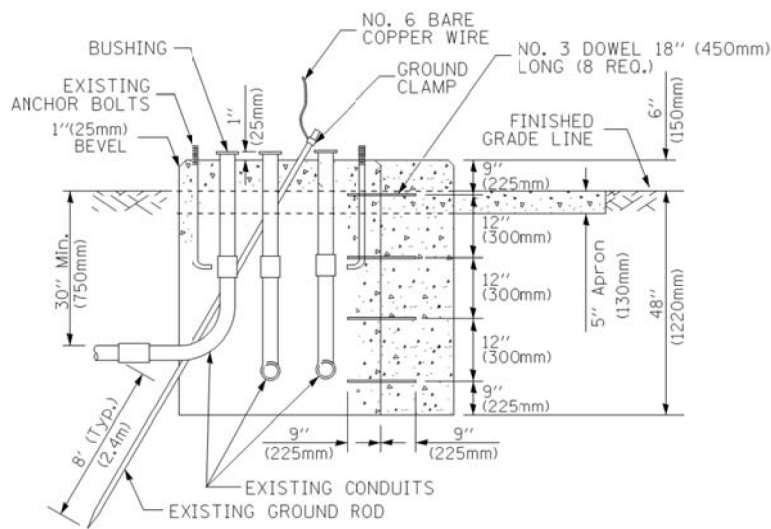
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

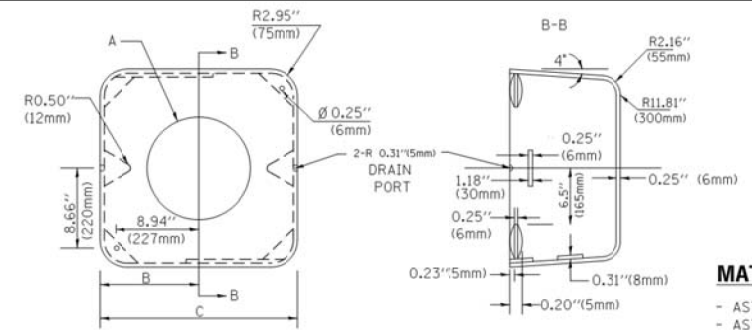


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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.



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)

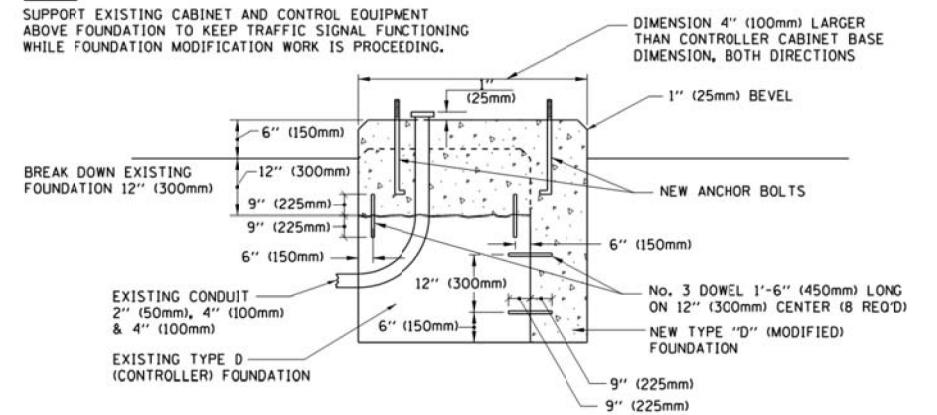
SHROUD

NOTES:

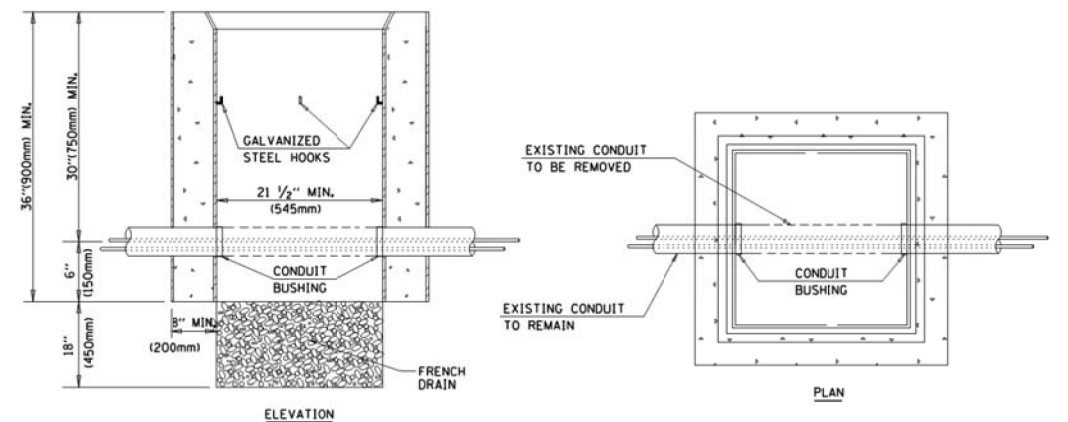
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 8:4001.
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

USER NAME = .USERNAME.	DESIGNED - KMM	REVISED -
	DRAWN - CDC	REVISED -
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

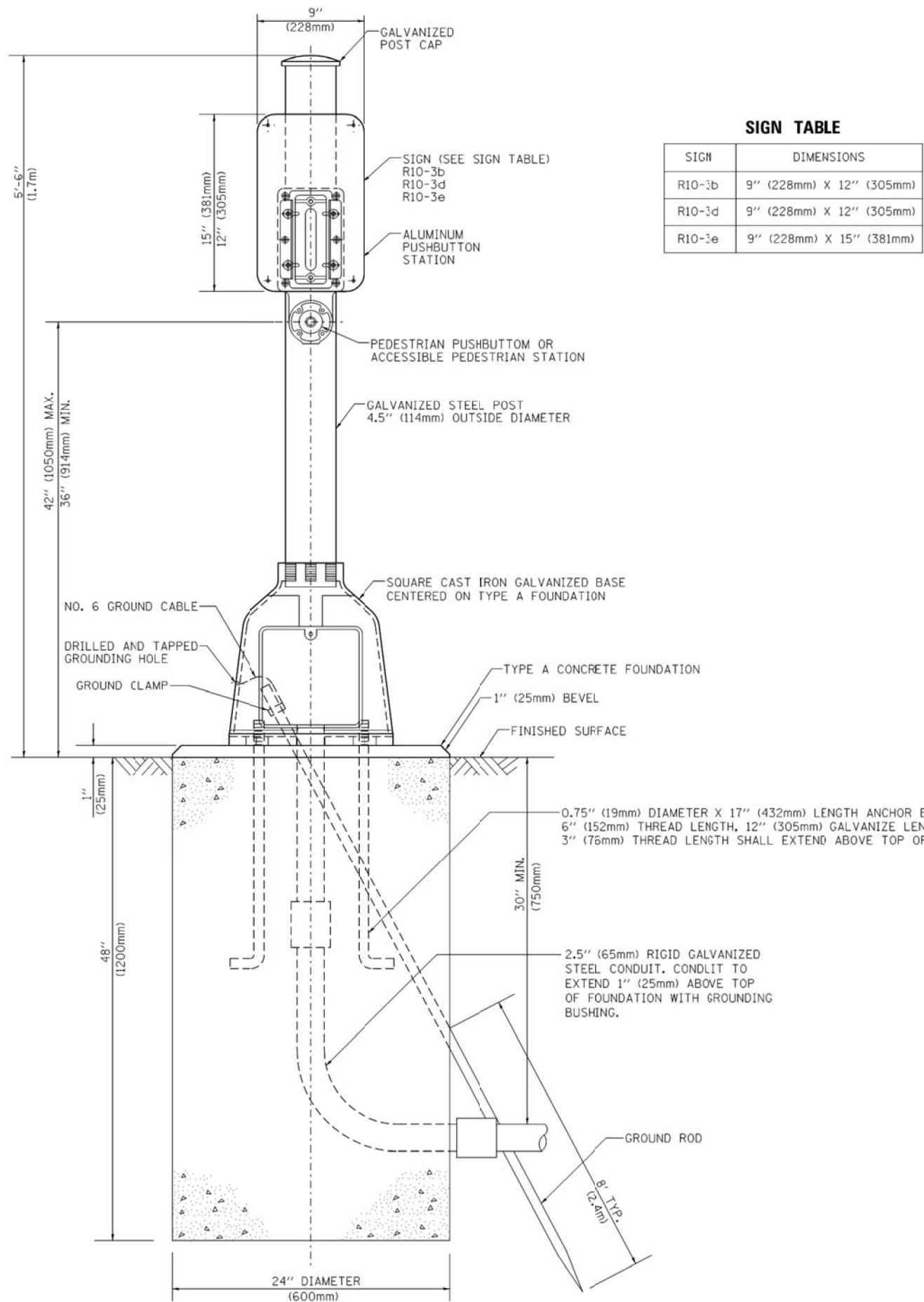
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

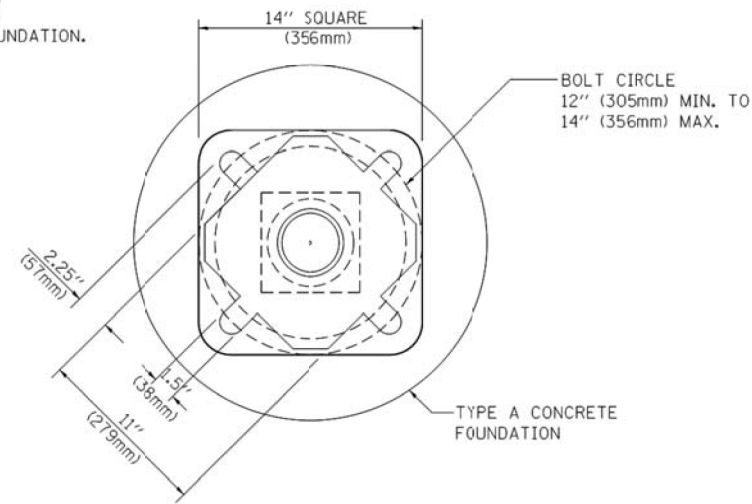
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	56
CONTRACT NO. 60V96				

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



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

FILE NAME = M:\proj\1481\2109 PTB 172-6 IDOT Ver. Signal\14-017 IL68 (IL83 to Wheeling Rd)\Design\CAD\Sheet - Files\60V96_Detail_7.dgn

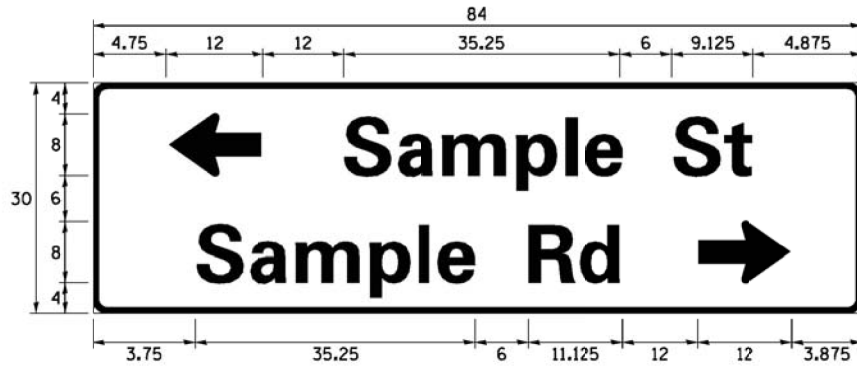
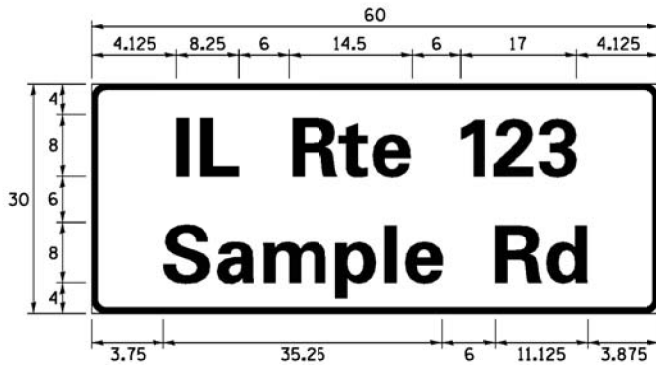
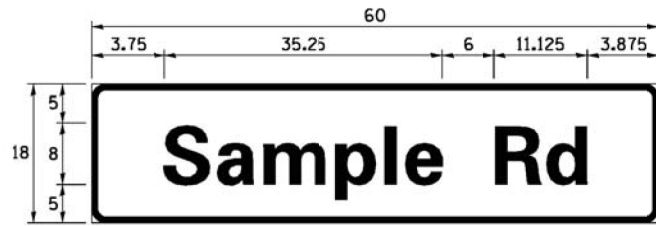
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		343	3041N-4(12)	COOK	93	57
SCALE: NONE		SHEET NO. 7 OF 7 SHEETS		STA.	TO STA.	

CONTRACT NO. 60V96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2



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

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Bld	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 THERE IS SPACE AVAILABLE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLGY 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:

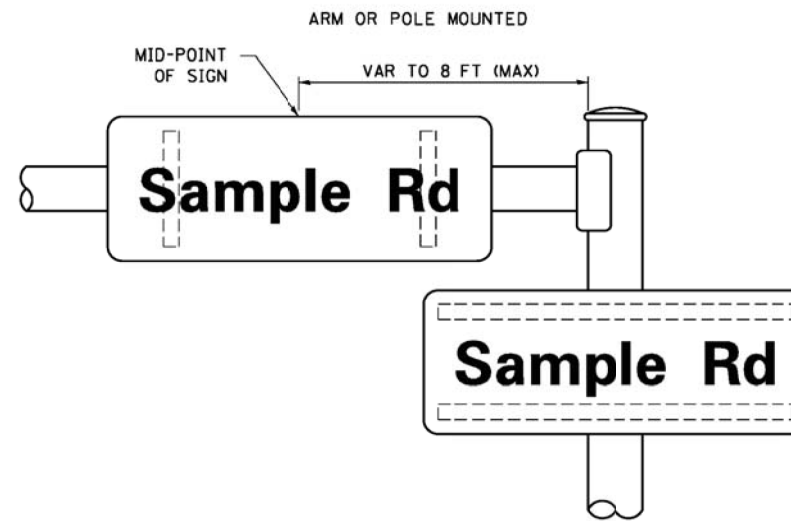
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

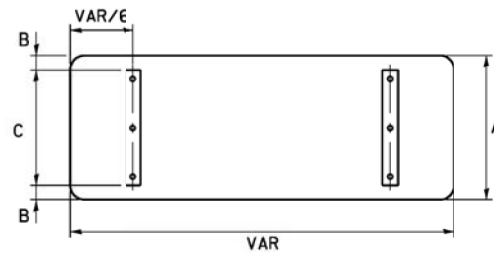
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
- SIGN SCREWS SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
- BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

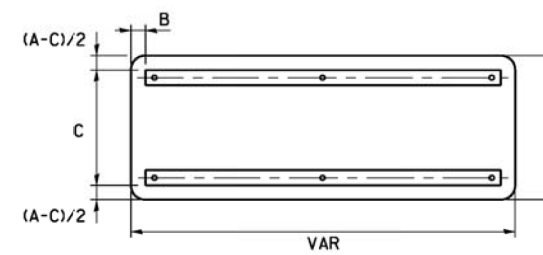
MOUNTING LOCATION



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



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

STANDARD ALPHABETS SPACING CHART

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

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.082	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

REMOVAL AND RELOCATION NOTES:

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

- 2 EACH LIGHT DETECTOR AND BEACON
- 1 EACH LIGHT DETECTOR AMPLIFIER

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

- 3 EACH SIGNAL HEAD, 1 - FACE, 3 - SECTION
- 8 EACH SIGNAL HEAD, 1 - FACE, 5 - SECTION
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 3 EACH PEDESTRIAN PUSHBUTTON
- 7 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM AND POLE
- 3 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER AND CABINET COMPLETE

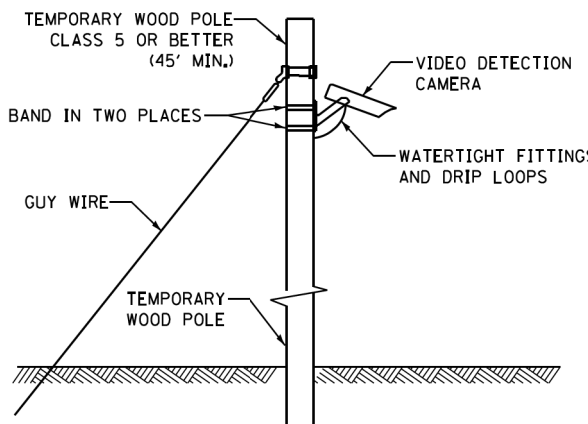
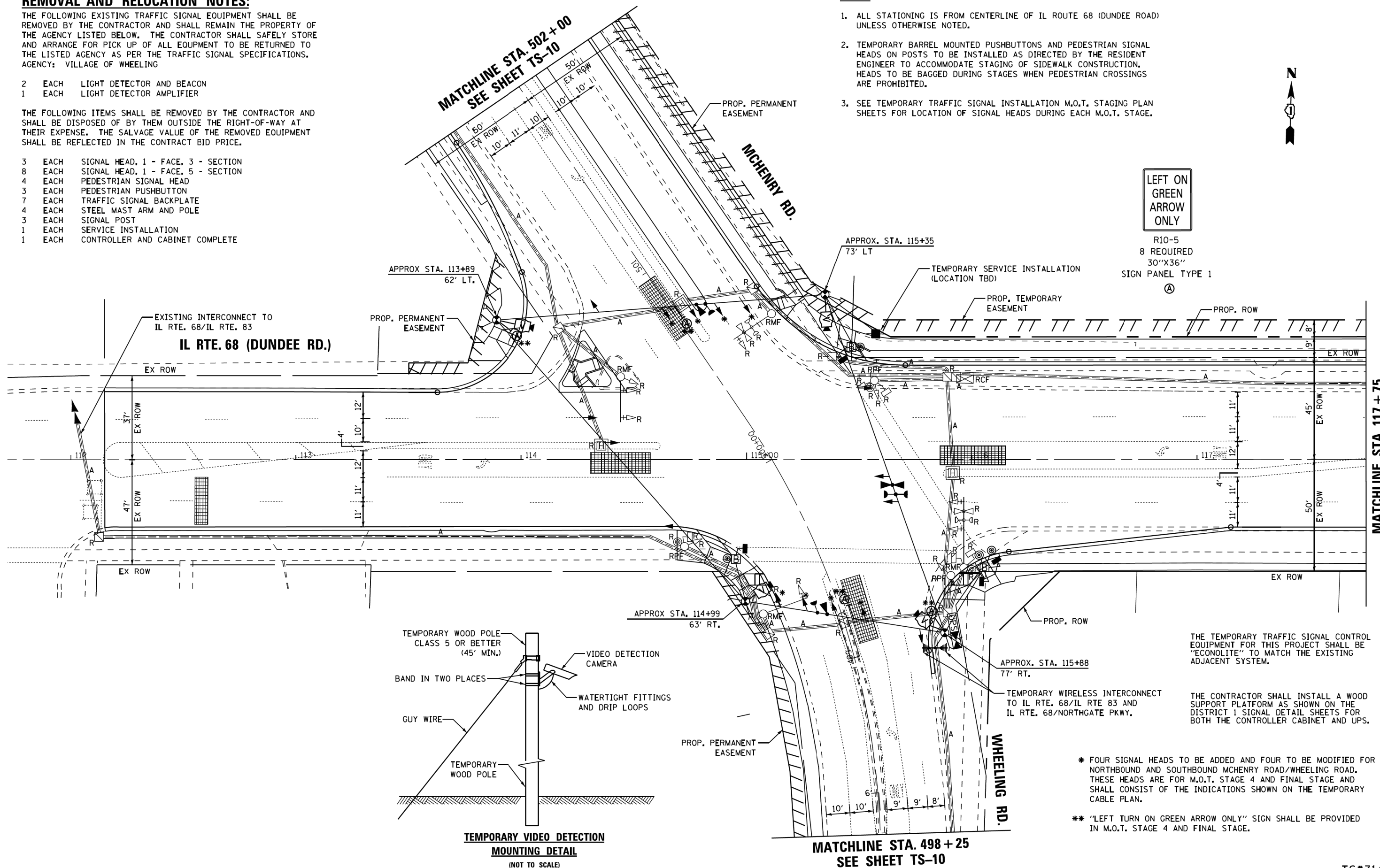
NOTES:

1. ALL STATIONING IS FROM CENTERLINE OF IL ROUTE 68 (DUNDEE ROAD) UNLESS OTHERWISE NOTED.
2. TEMPORARY BARREL MOUNTED PUSHBUTTONS AND PEDESTRIAN SIGNAL HEADS ON POSTS TO BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER TO ACCOMMODATE STAGING OF SIDEWALK CONSTRUCTION. HEADS TO BE BAGGED DURING STAGES WHEN PEDESTRIAN CROSSINGS ARE PROHIBITED.
3. SEE TEMPORARY TRAFFIC SIGNAL INSTALLATION M.O.T. STAGING PLAN SHEETS FOR LOCATION OF SIGNAL HEADS DURING EACH M.O.T. STAGE.



LEFT ON GREEN ARROW ONLY

R10-5
8 REQUIRED
30"X36"
SIGN PANEL TYPE 1
Ⓐ



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

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

* FOUR SIGNAL HEADS TO BE ADDED AND FOUR TO BE MODIFIED FOR NORTHBOUND AND SOUTHBOUND MCHENRY ROAD/WHEELING ROAD. THESE HEADS ARE FOR M.O.T. STAGE 4 AND FINAL STAGE AND SHALL CONSIST OF THE INDICATIONS SHOWN ON THE TEMPORARY CABLE PLAN.

** "LEFT TURN ON GREEN ARROW ONLY" SIGN SHALL BE PROVIDED IN M.O.T. STAGE 4 AND FINAL STAGE.

FILE NAME = M:\proj\148\2109 PTB 172-6 100T Ver. Signal\14-017 IL68 (IL83 to Wheeling Rd)\Design\CAD\Sheet Files\60V96_Temp_Signal_L.dgn

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DRAWN - CDC	REVISED -	
PLOT SCALE = 20,0000' / 1" =	CHECKED - DW	REVISED -
PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION & REMOVAL PLAN
IL ROUTE 68 (DUNDEE ROAD) AT WHEELING ROAD /MCHENRY ROAD

SCALE: 1" = 20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

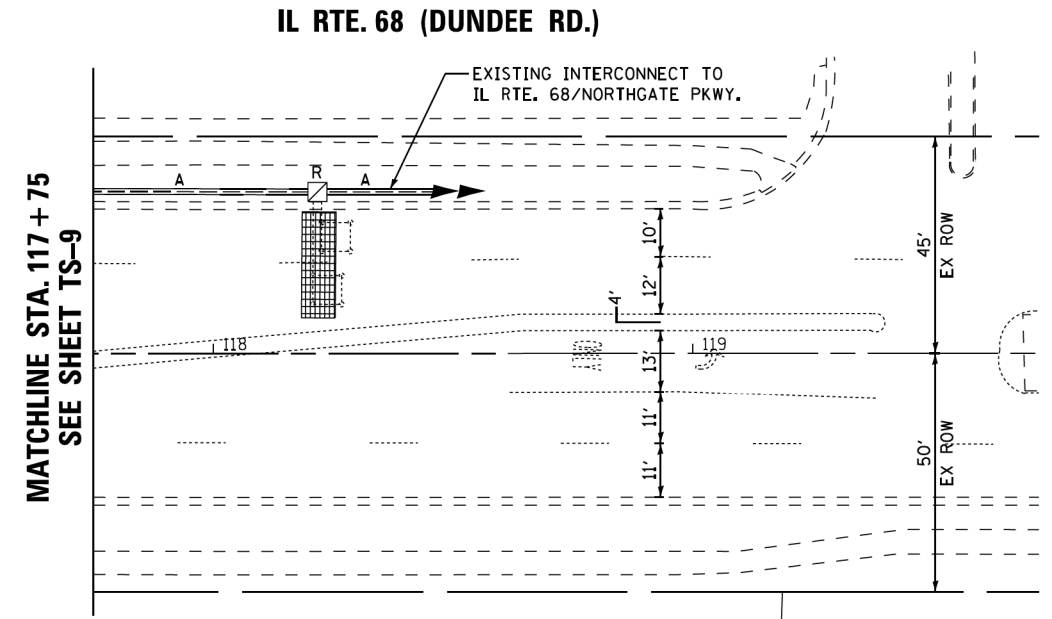
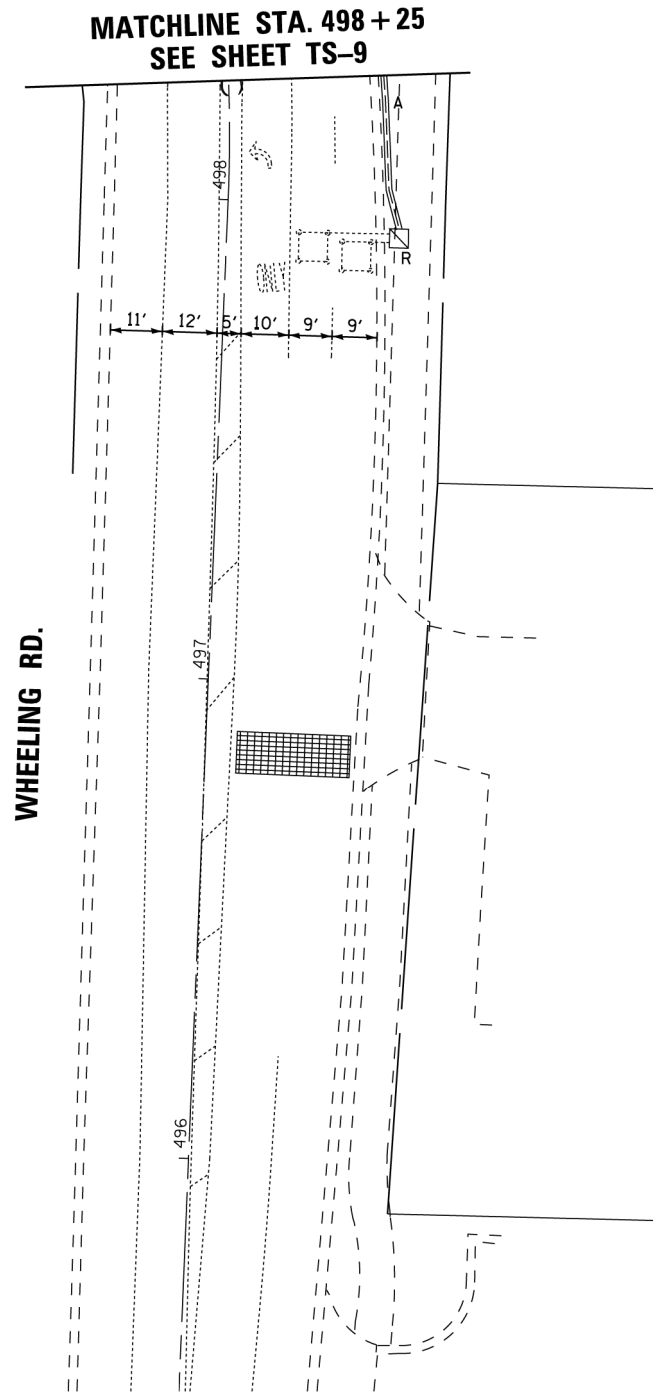
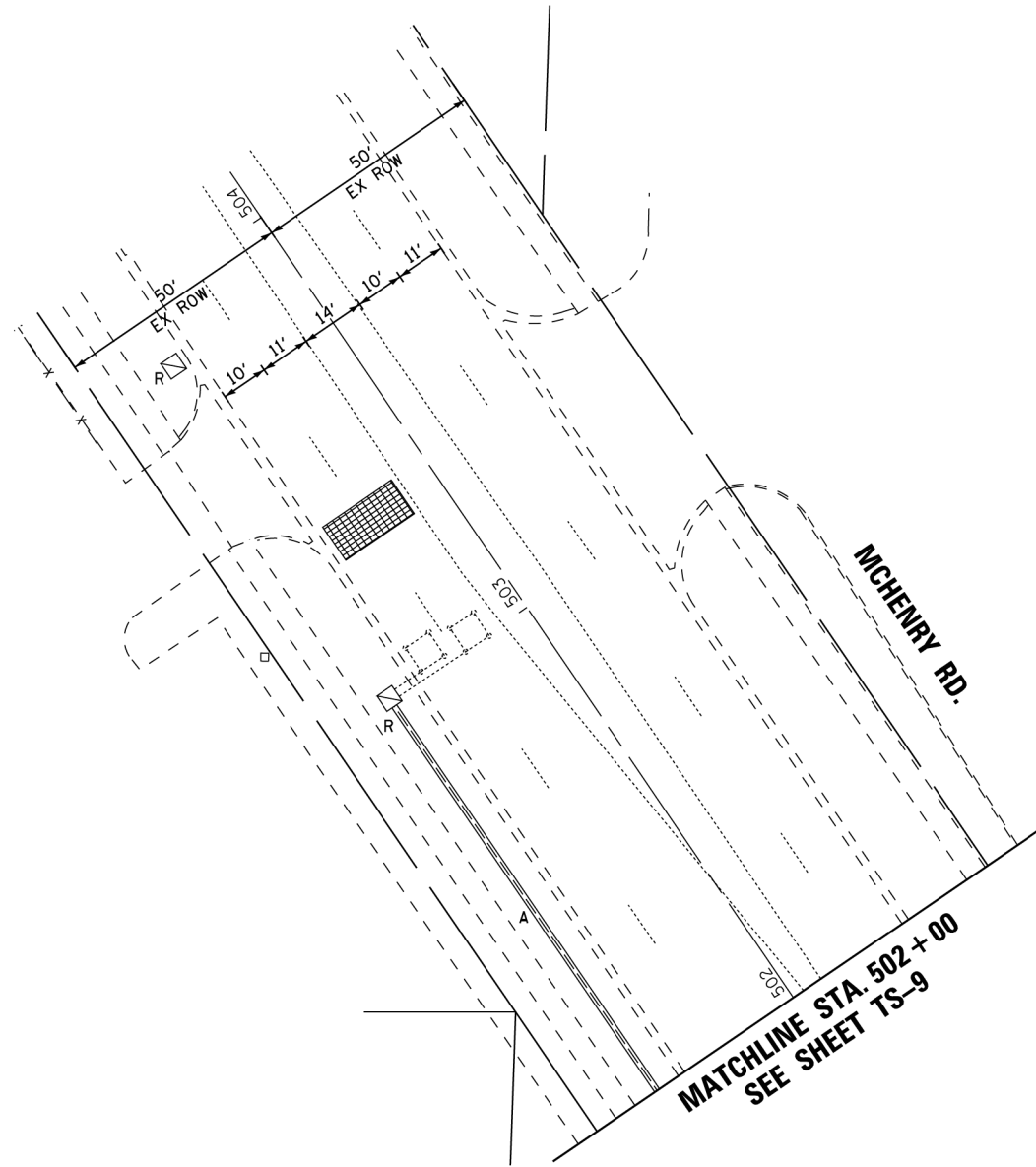
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	59
CONTRACT NO. 60V96			ILLINOIS FED. AID PROJECT	

TS*3145

MATCHLINE STA. 117 + 75
SEE SHEET TS-10

MATCHLINE STA. 502 + 00
SEE SHEET TS-10

MATCHLINE STA. 498 + 25
SEE SHEET TS-10



FILE NAME = M:\proj\148\2109 PTB 172-6 IDOT Ver. Signal\14-017 IL68 (IL83 to Wheeling Rd)\Design\CAD\Sheet Files\60V96_Temp_Signal-2.dgn

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	DRAWN - CDC	REVISED -
PLOT SCALE = 20,0000' / 1in.	CHECKED - DW	REVISED -
PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

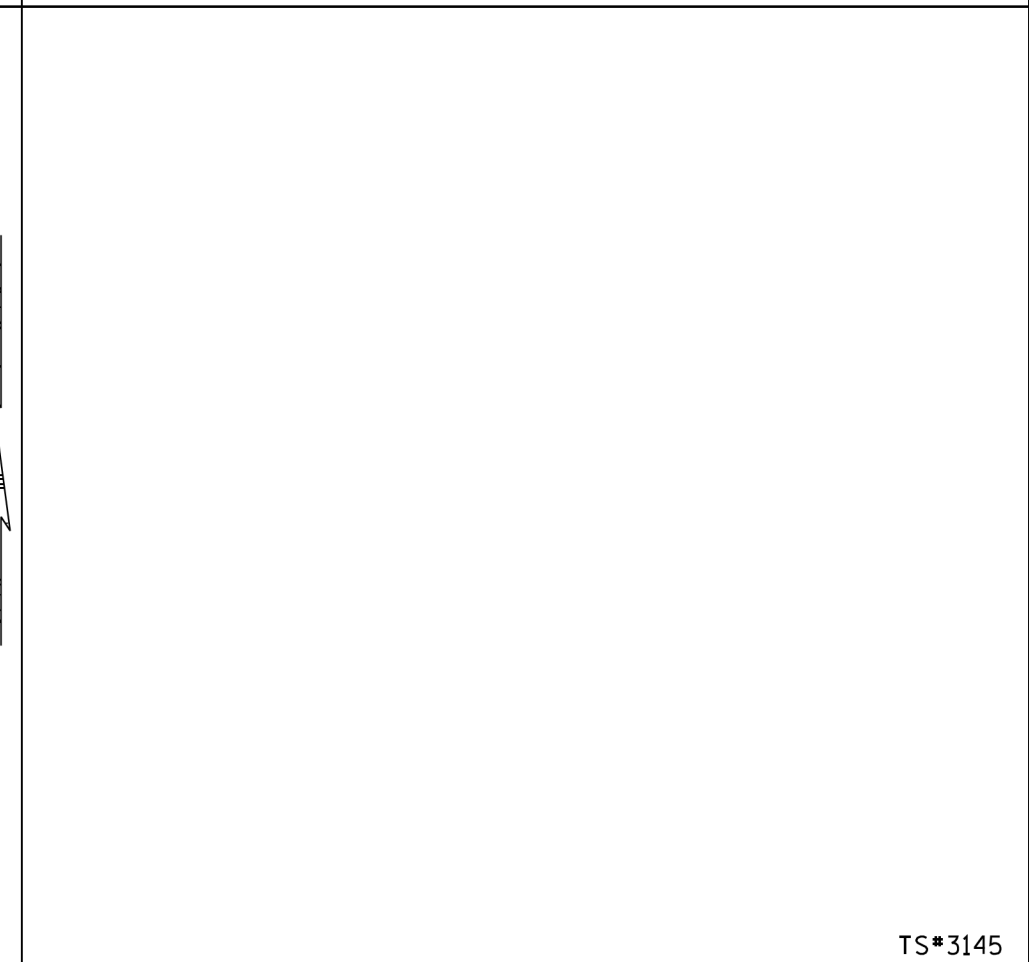
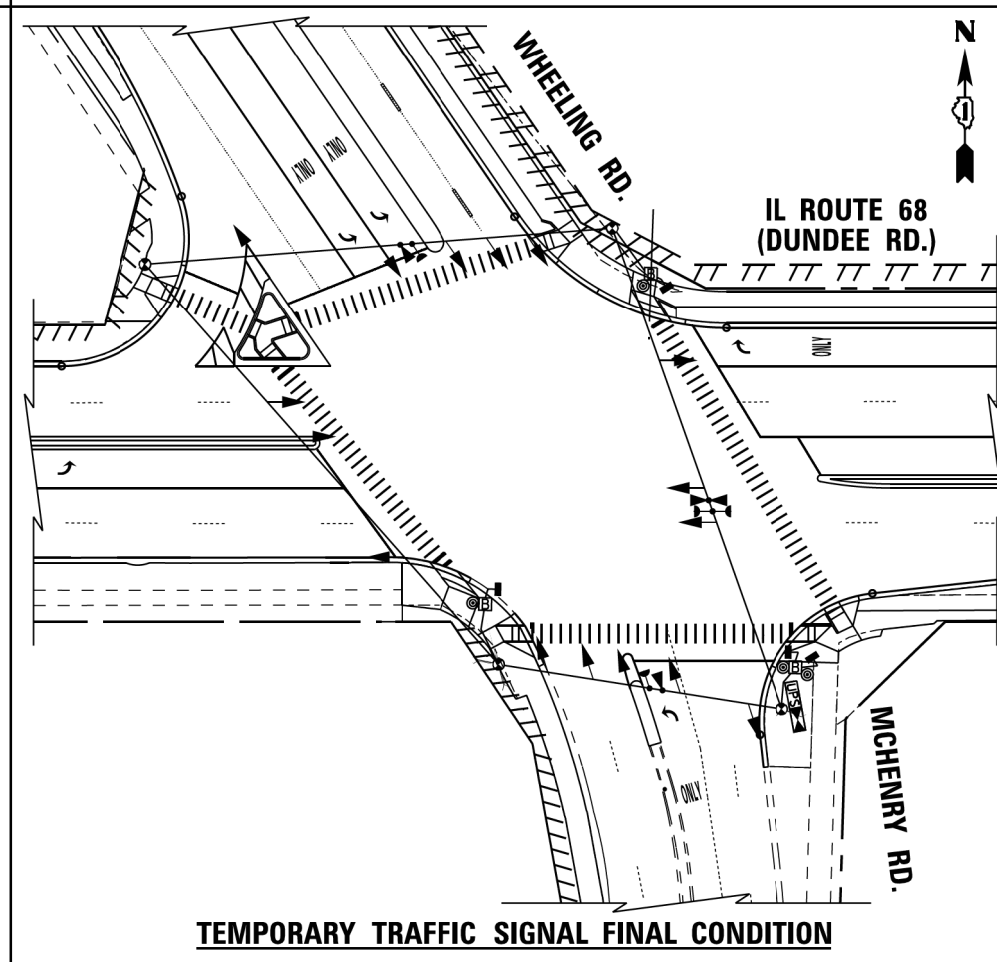
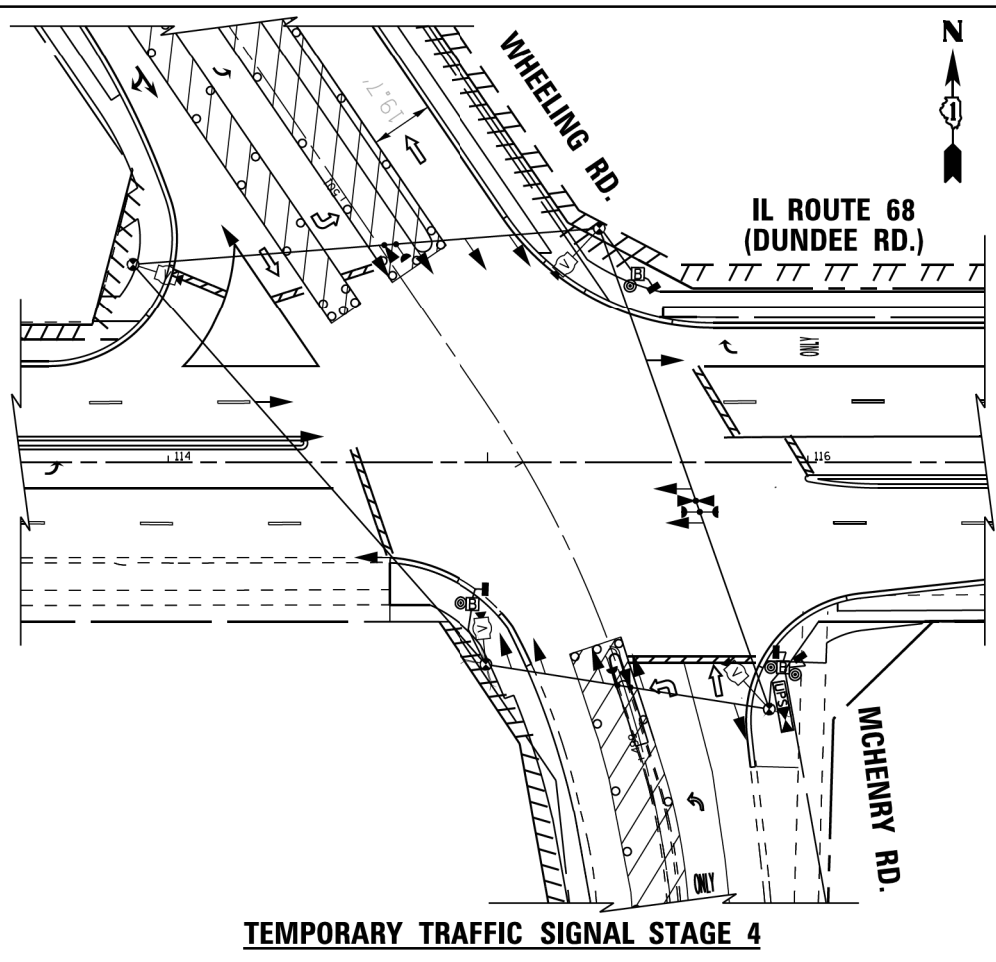
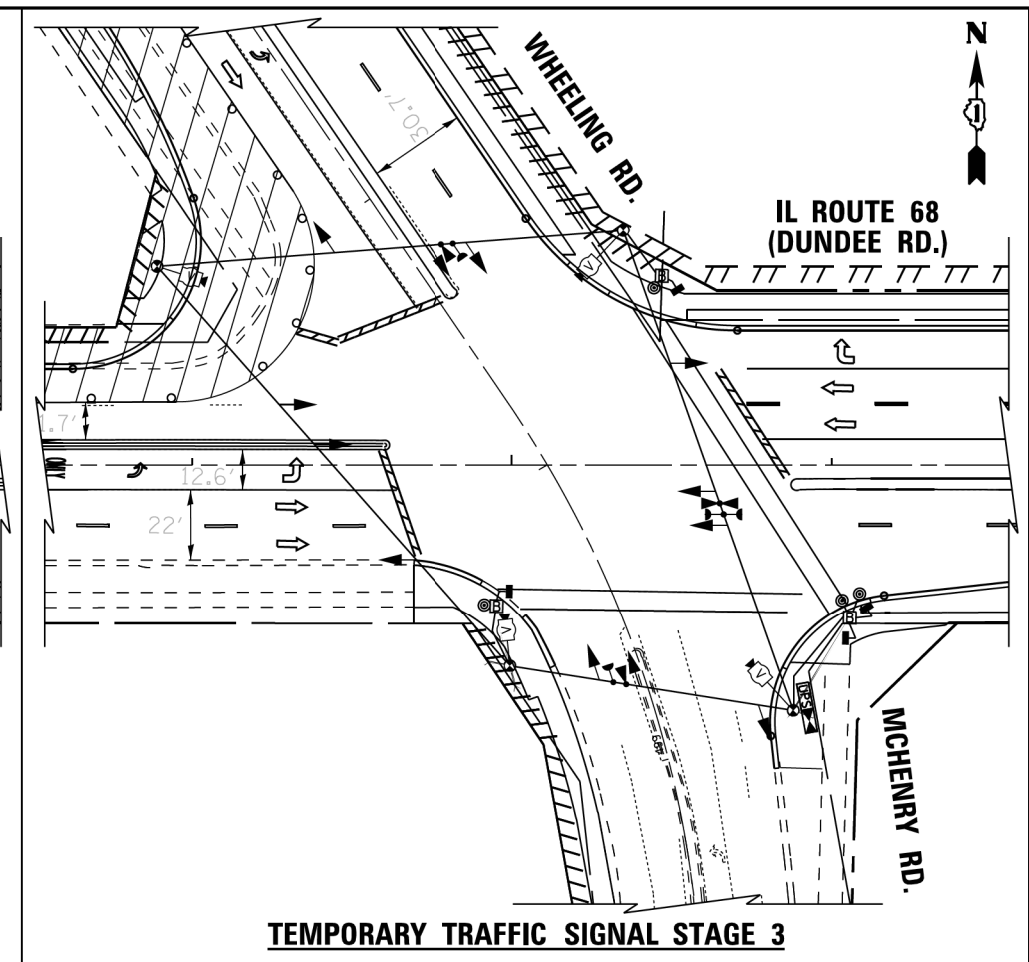
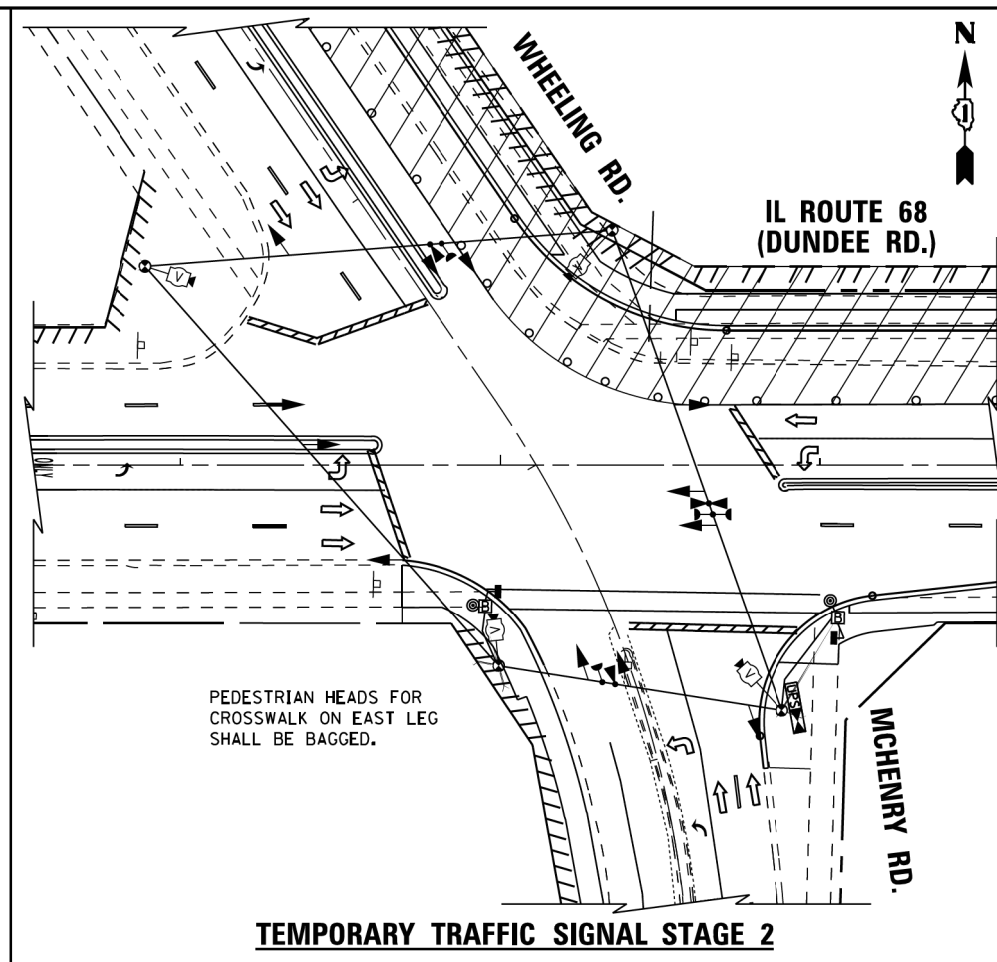
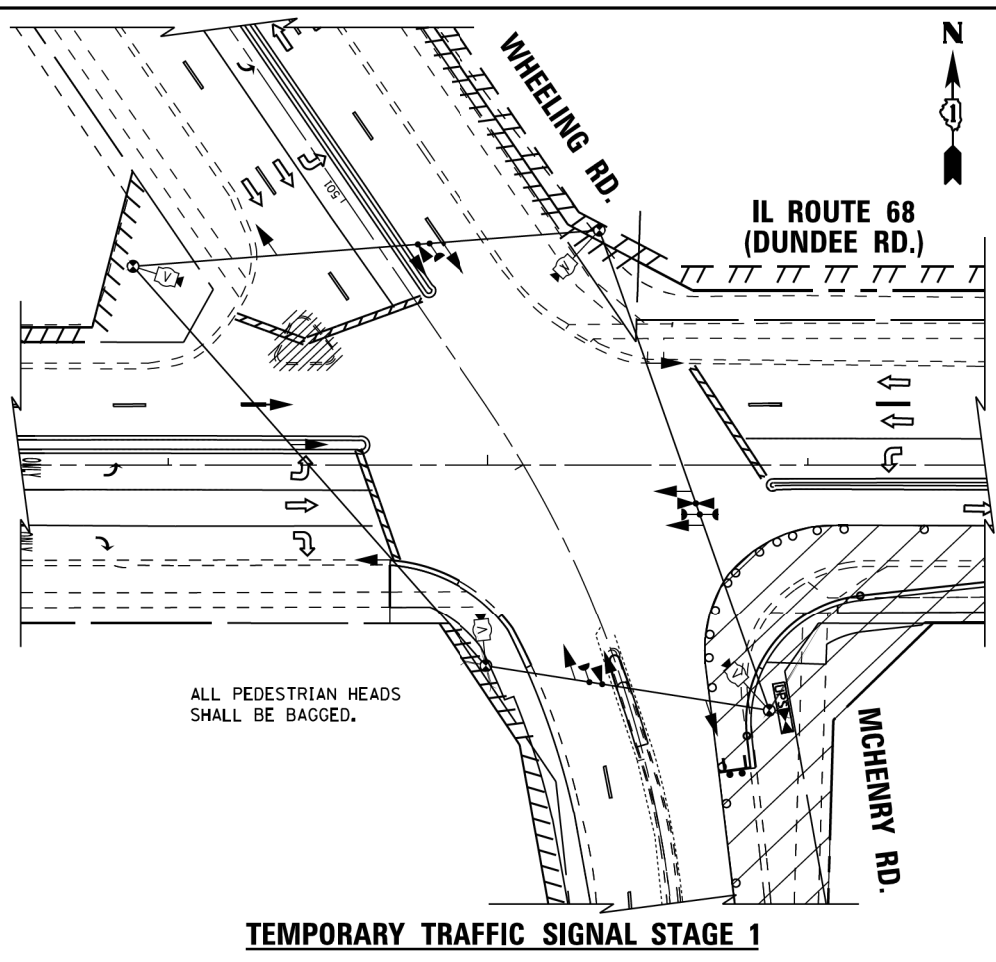
**TEMPORARY TRAFFIC SIGNAL INSTALLATION & REMOVAL PLAN
IL ROUTE 68 (DUNDEE ROAD) AT WHEELING ROAD /MCHENRY ROAD**

SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	60
CONTRACT NO. 60V96			ILLINOIS FED. AID PROJECT	

TS#3145

FILE NAME = M:\pro\148\2109 PTB 172-6 IDOT Ver. Sigra\4-07 IL68 (IL68 to Wheeling Rd)\Design\CAD\Sheet Files\60V96_MOT Staging.dgn



USER NAME = _USERNAME_	DESIGNED - KMM	REVISED -
	DRAWN - CDC	REVISED -
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

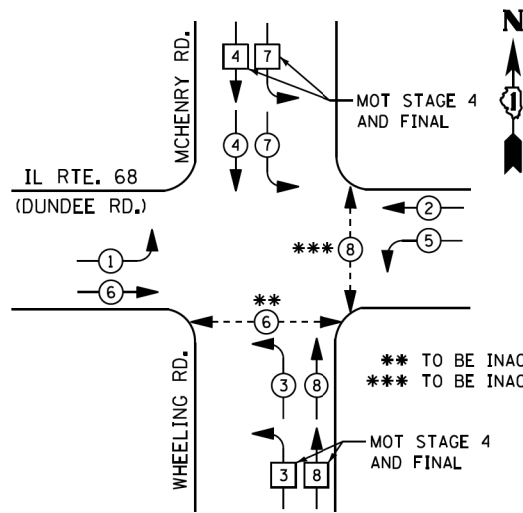
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
M.O.T. STAGING PLAN
IL ROUTE 68 (DUNDEE ROAD) AT WHEELING ROAD /MCHENRY ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	61
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				

TS*3145

SCALE: 1"=30' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

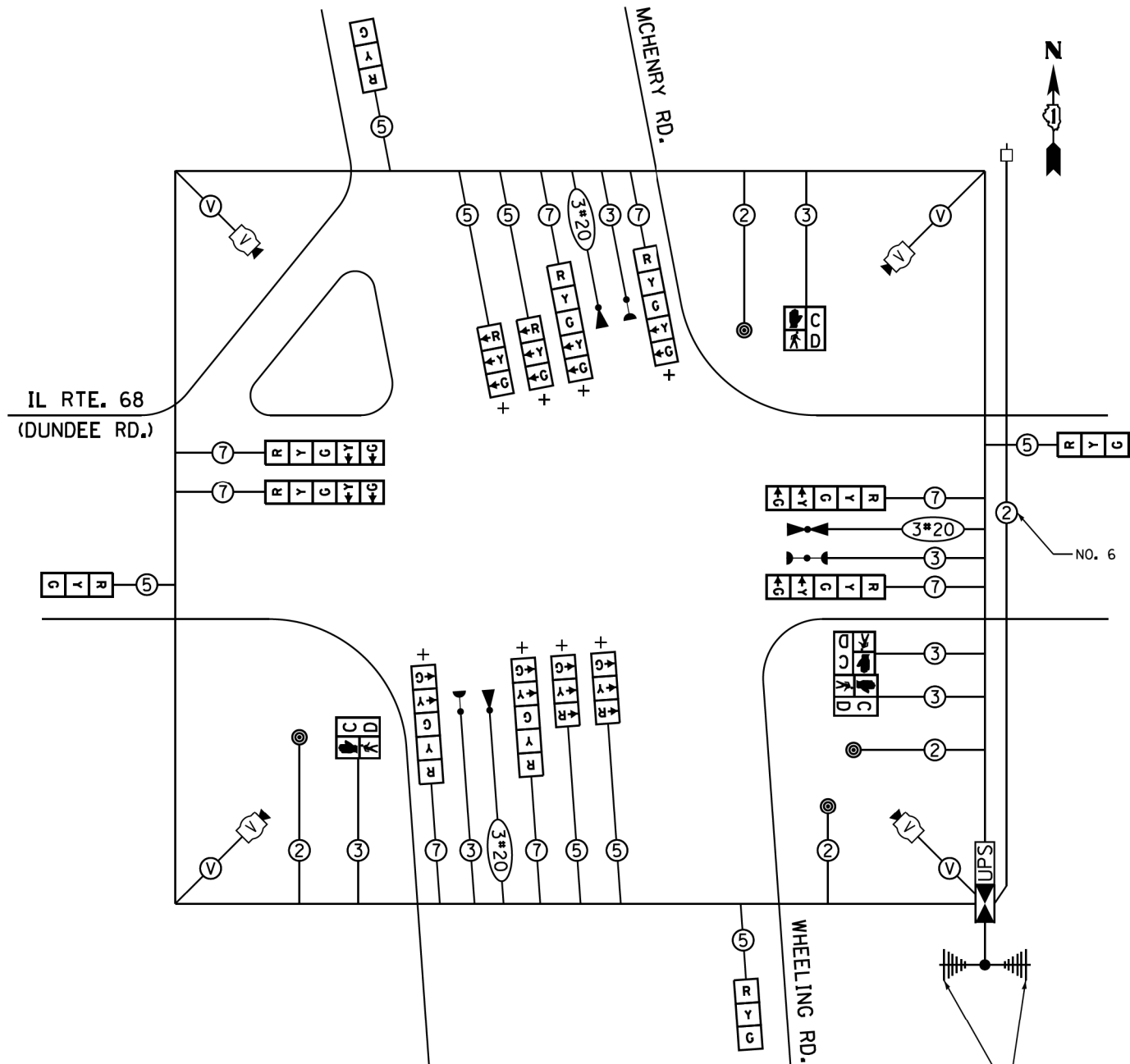
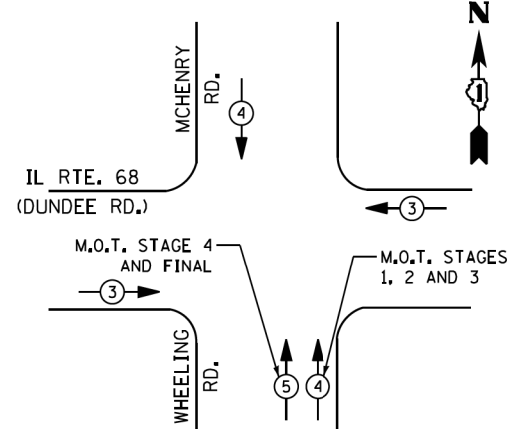
TEMPORARY CONTROLLER SEQUENCE



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

** TO BE INACTIVE DURING MOT STAGE 1
 *** TO BE INACTIVE DURING MOT STAGES 1 AND 2

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY WIRELESS INTERCONNECT TO IL RTE. 68/IL RTE. 83 AND IL RTE. 68/NORTHGATE PKWY.

TEMPORARY CABLE PLAN

+ M.O.T. STAGE 4 AND FINAL - ARROW SECTIONS ON 5-SECTION HEADS TO BE DISCONNECTED AND BAGGED. ADDITIONAL 3-SECTION HEADS TO BE PROVIDED.

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

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	16		12	0.10	20
PED. SIGNAL	4		25	1.00	100
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	0
VIDEO SYSTEM	1		150	1.00	150
UPS	1		25	1.00	25
FLASHER LED					
TOTAL =					617

ENERGY COSTS- BILLED TO: VILLAGE OF WHEELING
2 COMMUNITY BOULEVARD
WHEELING, IL 60090

ENERGY SUPPLY - CONTACT TERRI BLECK
 PHONE 847-816-5239
COMMONWEALTH EDISON

USER NAME = .JUSERNAME.	DESIGNED - KMM	REVISED -
	DRAWN - CDC	REVISED -
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

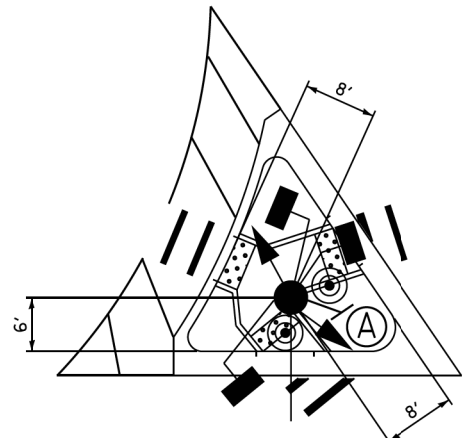
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM & TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE IL ROUTE 68 (DUNDEE ROAD) AT WHEELING /MCHENRY ROAD

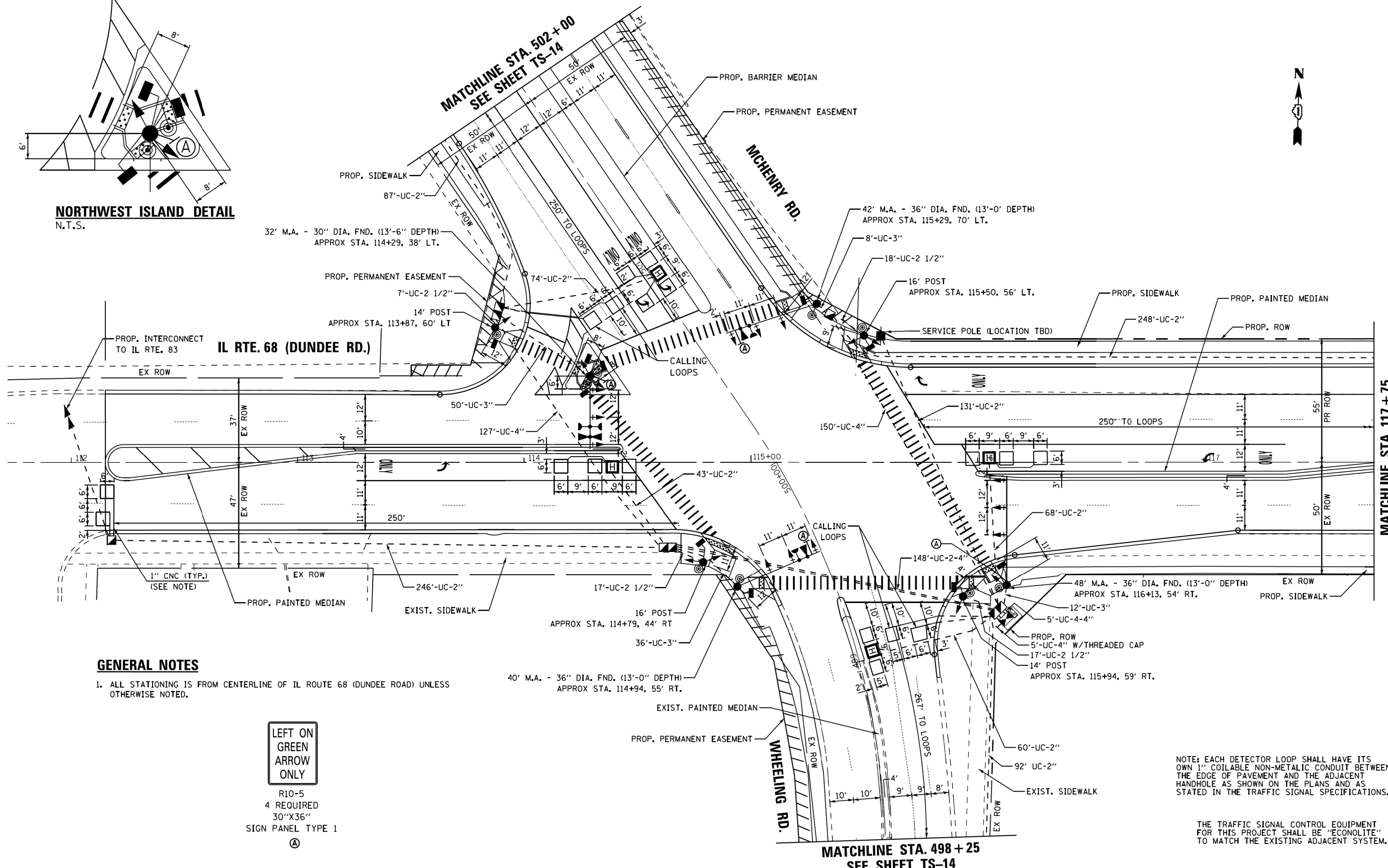
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	62
				CONTRACT NO. 60V96

TS*3145



NORTHWEST ISLAND DETAIL
N.T.S.



GENERAL NOTES

- ALL STATIONING IS FROM CENTERLINE OF IL ROUTE 68 (DUNDEE ROAD) UNLESS OTHERWISE NOTED.



R10-5
4 REQUIRED
30"X36"
SIGN PANEL TYPE 1
A

NOTE: EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

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

FILE NAME = M:\proj\148\2109 PTB 172-6 IDOT Ver. Signal\14-017 IL68 (IL83 to Wheeling Rd)\Design\CAD\Sheet Files\60V96_Prop_Signal.dgn

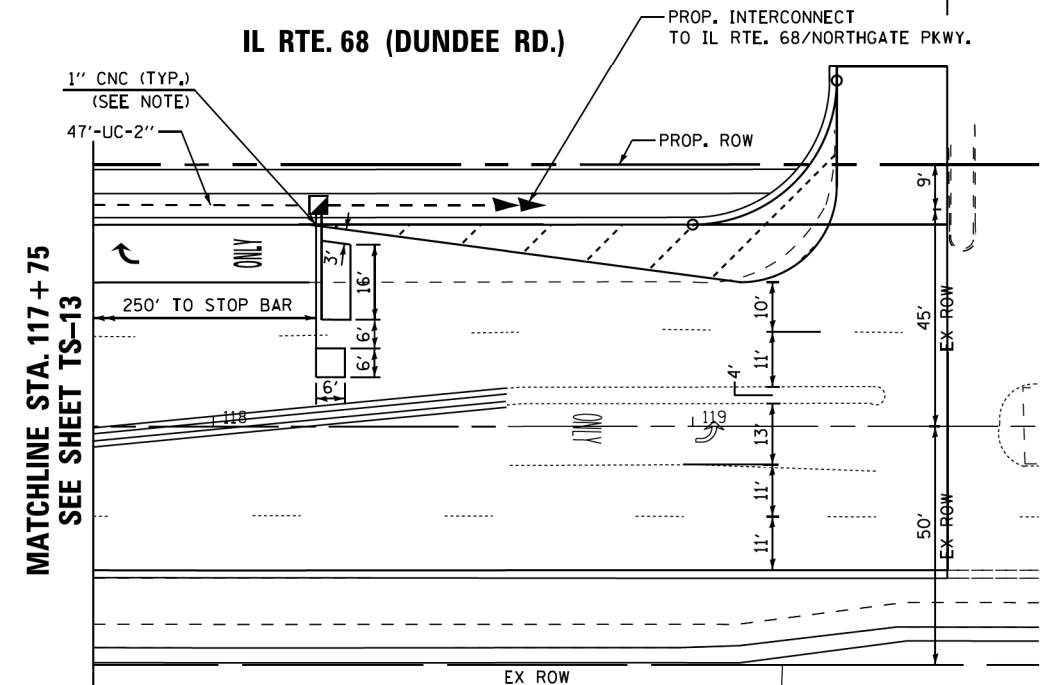
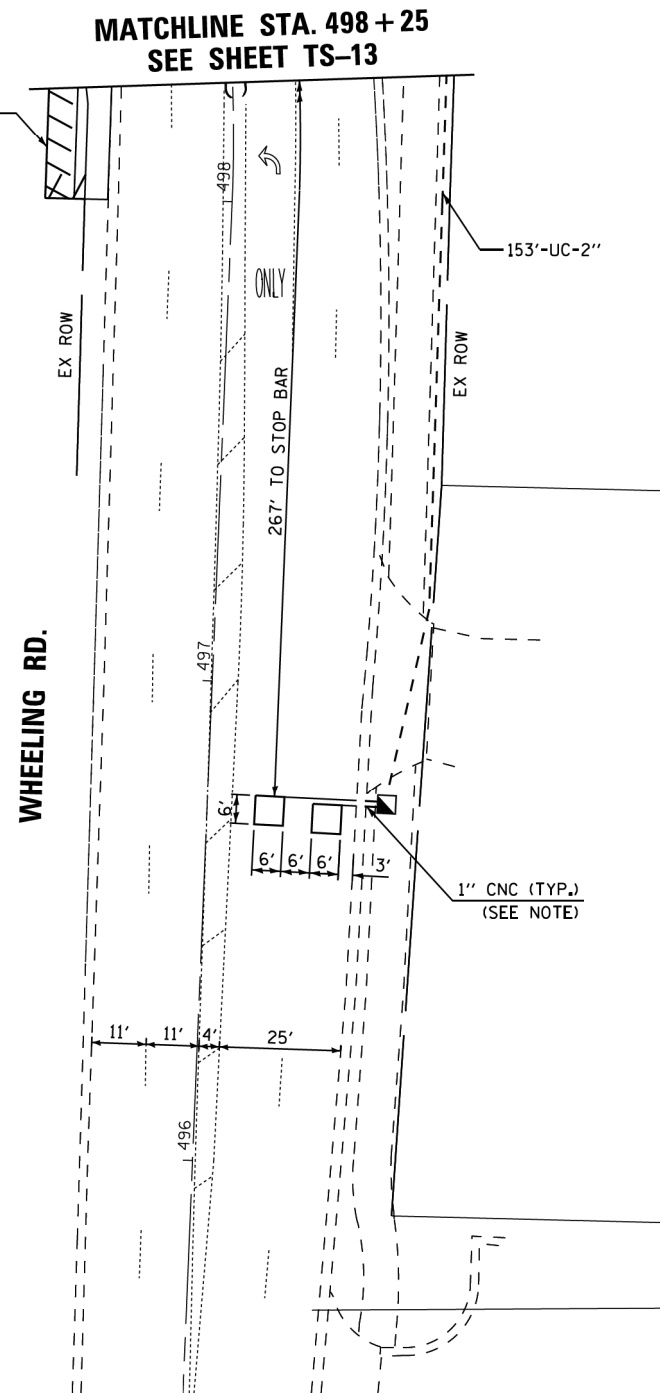
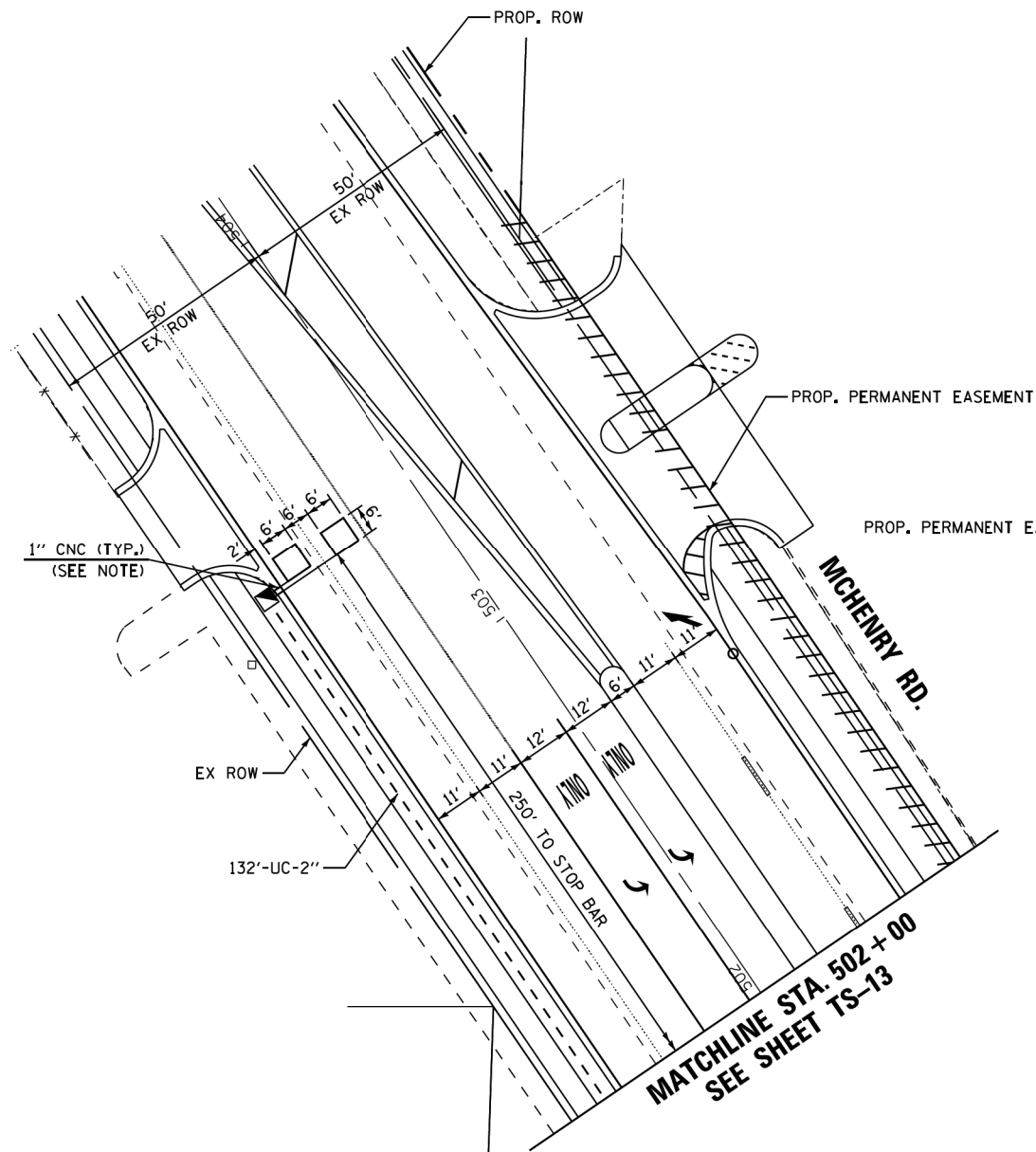
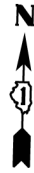
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODERNIZATION PLAN	
IL ROUTE 68 (DUNDEE ROAD) AT WHEELING ROAD /MCHENRY ROAD	
SCALE:	SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	63
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				

TS*3145



NOTE: EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

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

TS*3145

FILE NAME = M:\proj\148\2109 PTB 172-6 IDOT Ver. Signal\14-017 IL68 (IL83 to Wheeling Rd)\DesignCAD\Sheet Files\60V96_Prop_Signal-2.dgn

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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

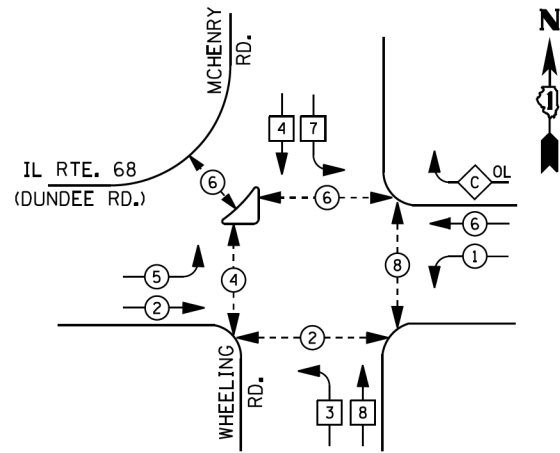
**TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 68 (DUNDEE ROAD) AT WHEELING ROAD /MCHENRY ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	64
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				

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



PROPOSED CONTROLLER SEQUENCE

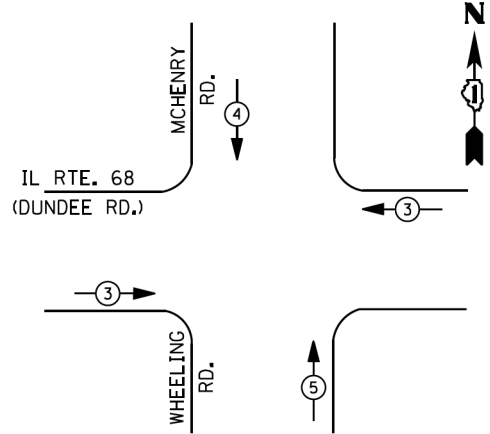


- LEGEND**
- DUAL ENTRY PHASE
 - PEDESTRIAN PHASE
 - SINGLE ENTRY PHASE
 - OVERLAP
 - * NUMBER REFERS TO ASSOCIATED PHASE

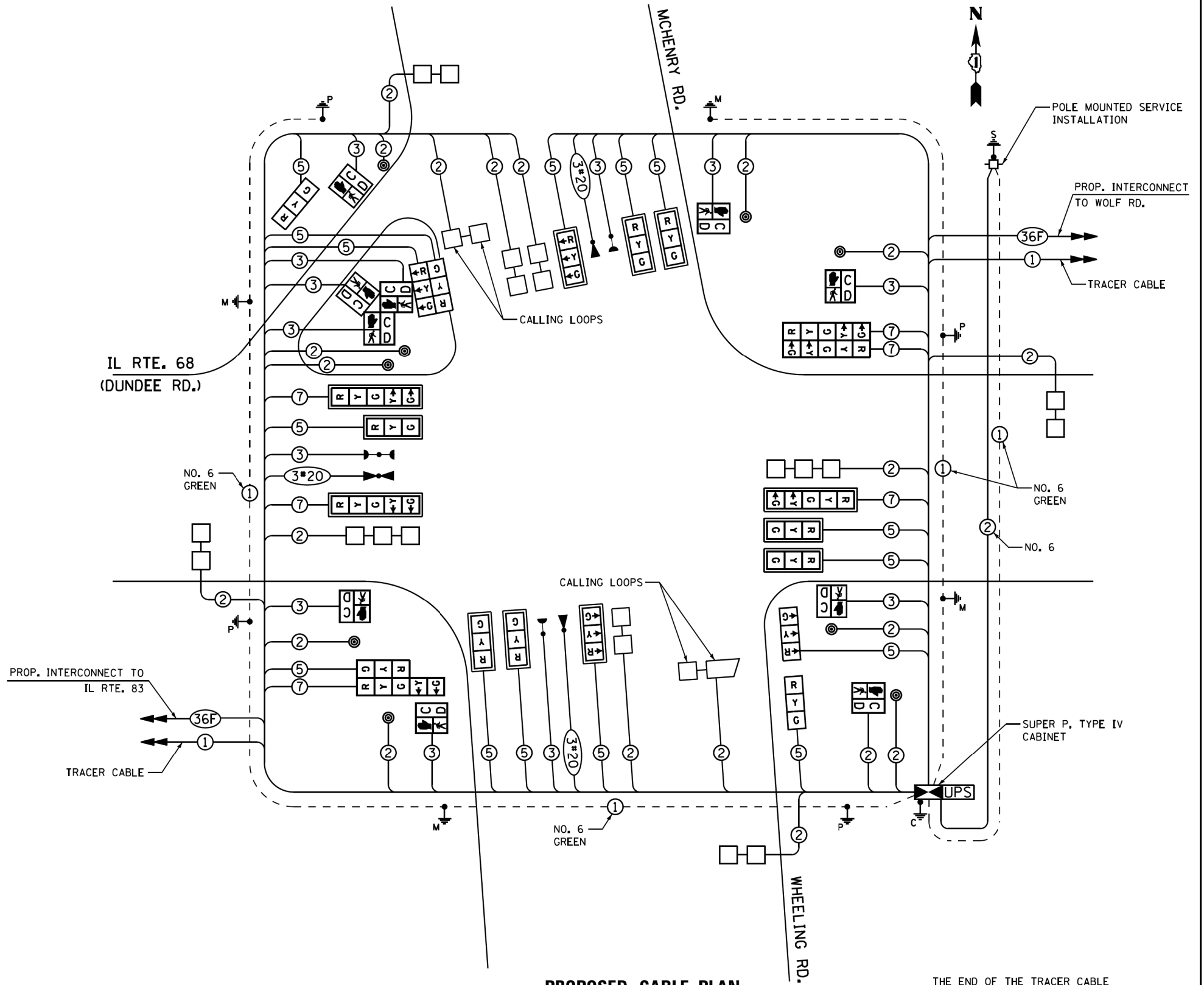
RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6	+ 7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



IL RTE. 68 (DUNDEE RD.)



PROPOSED CABLE PLAN

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	21		17	0.50	179
(YELLOW)	21		25	0.25	132
(GREEN)	21		15	0.25	79
ARROW	12		12	0.10	15
PED. SIGNAL	10		25	1.00	250
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	
VIDEO SYSTEM					
UPS	1		25	1.00	25
FLASHER LED					
TOTAL =					780

ENERGY COSTS- BILLED TO: VILLAGE OF WHEELING
2 COMMUNITY BOULEVARD
WHEELING, IL 60090

ENERGY SUPPLY - CONTACT TERRI BLECK
PHONE 847-816-5239
COMMONWEALTH EDISON

TS*3145

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM & EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 68 (DUNDEE ROAD) AT WHEELING ROAD /MCHENRY ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	65
CONTRACT NO. 60V96				

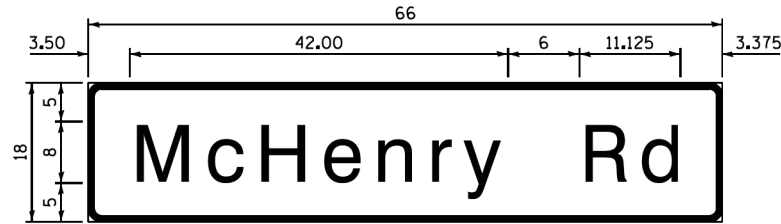
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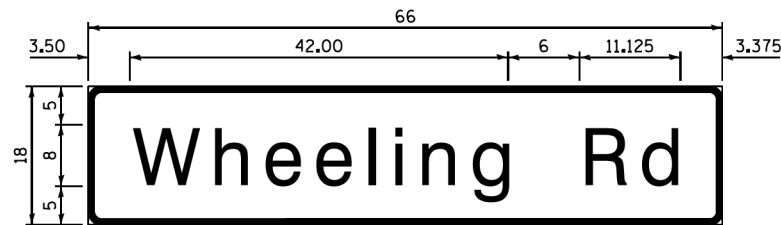
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

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

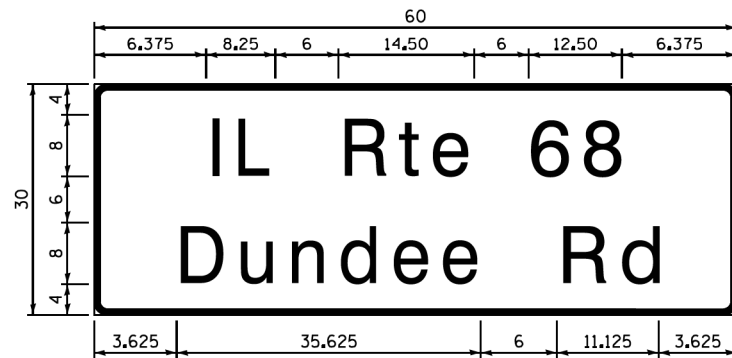
SIGN PANEL – TYPE 1 OR TYPE 2



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



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



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.50	2	ZZ	2

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

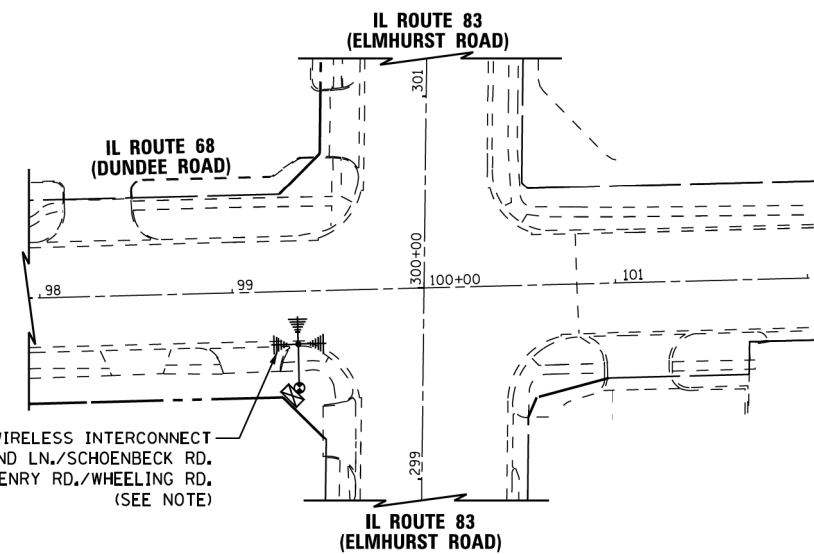
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SO FT	63
SIGN PANEL - TYPE 2	SO FT	25
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1381
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	59
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	598
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
TRANSCIEVER - FIBER OPTIC	EACH	1
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2055
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3461
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3583
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1574
ELECTRICAL CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FOOT	3313
ELECTRICAL CABLE IN CONDUIT, SERVICE NO. 6 2 C	FOOT	184
ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	862
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	39.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	794
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	9
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	13
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	952
FULL ACTUATED CONTROLLER AND TYPE SUPER P CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

* 100% COST TO THE VILLAGE OF WHEELING

FILE NAME = M:\pro\148\2109 PTB 172-6 IDOT Ver. Sign\14-017 IL68 (IL68 to Wheeling Rd)\Design\CAD\Sheet - Files\60V96_MAM_Sign_Detail.dgn

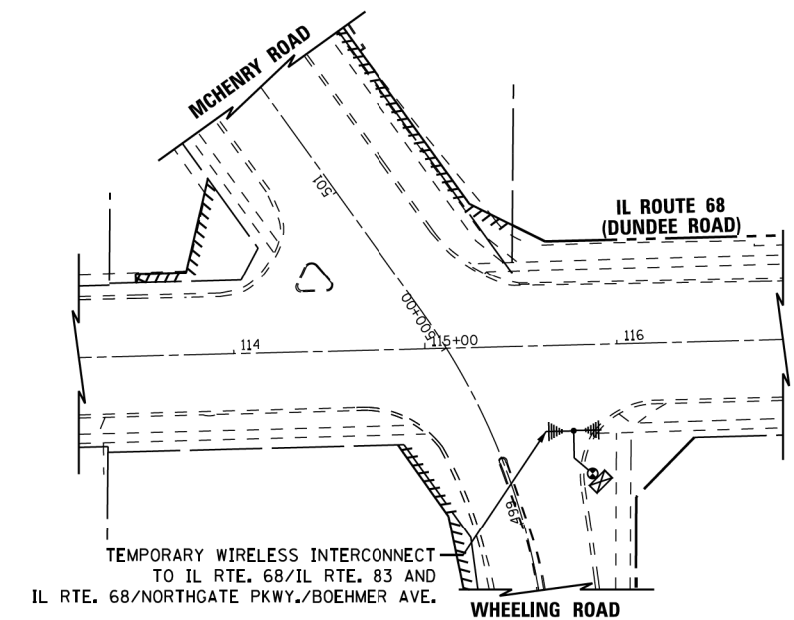
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DRAWN - CDC	CHECKED - DW	REVISED -		IL ROUTE 68 (DUNDEE ROAD) AT WHEELING ROAD /MCHENRY ROAD			343	3041N-412)	COOK	93	66
PLOT SCALE = 1:8000 / 1/4"	DATE - 10/02/15	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60V96		
PLOT DATE = 10/2/2015							ILLINOIS FED. AID PROJECT				



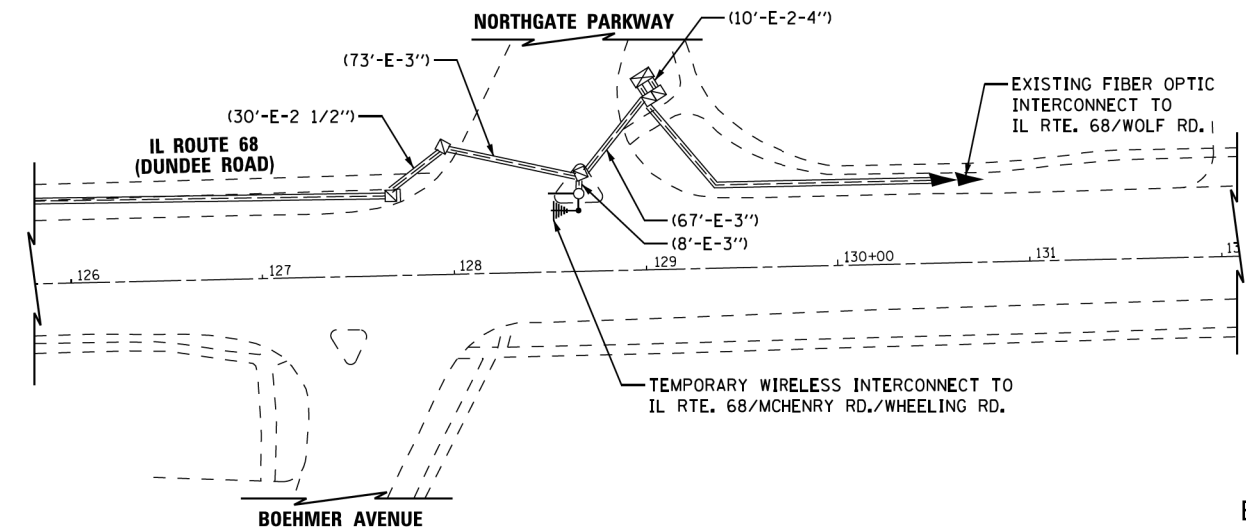
TEMPORARY WIRELESS INTERCONNECT TO IL RTE. 68/ARMAND LN./SCHOENBECK RD. AND IL RTE. 68/MCHENRY RD./WHEELING RD. (SEE NOTE)

NOTE:
CONTRACTOR TO INSTALL TEMPORARY WIRELESS INTERCONNECT ANTENNA ON EXISTING SIGNAL MAST ARM IF TEMPORARY TRAFFIC SIGNAL AT IL RTE. 68/IL RTE. 83 (ELMHURST ROAD) HAS NOT BEEN INSTALLED OR AS DIRECTED BY THE ENGINEER.

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



TEMPORARY WIRELESS INTERCONNECT TO IL RTE. 68/IL RTE. 83 AND IL RTE. 68/NORTHGATE PKWY./BOEHMER AVE.



TEMPORARY WIRELESS INTERCONNECT TO IL RTE. 68/MCHENRY RD./WHEELING RD.

ECON 92

FILE NAME = M:\proj\148\2109 PTB 172-6 IDOT Ver. Sigra\14-017 IL68 (IL83 to Wheeling Rd)\Design\CAD\Sheet Files\60V96_Temp_Interconnect.dgn

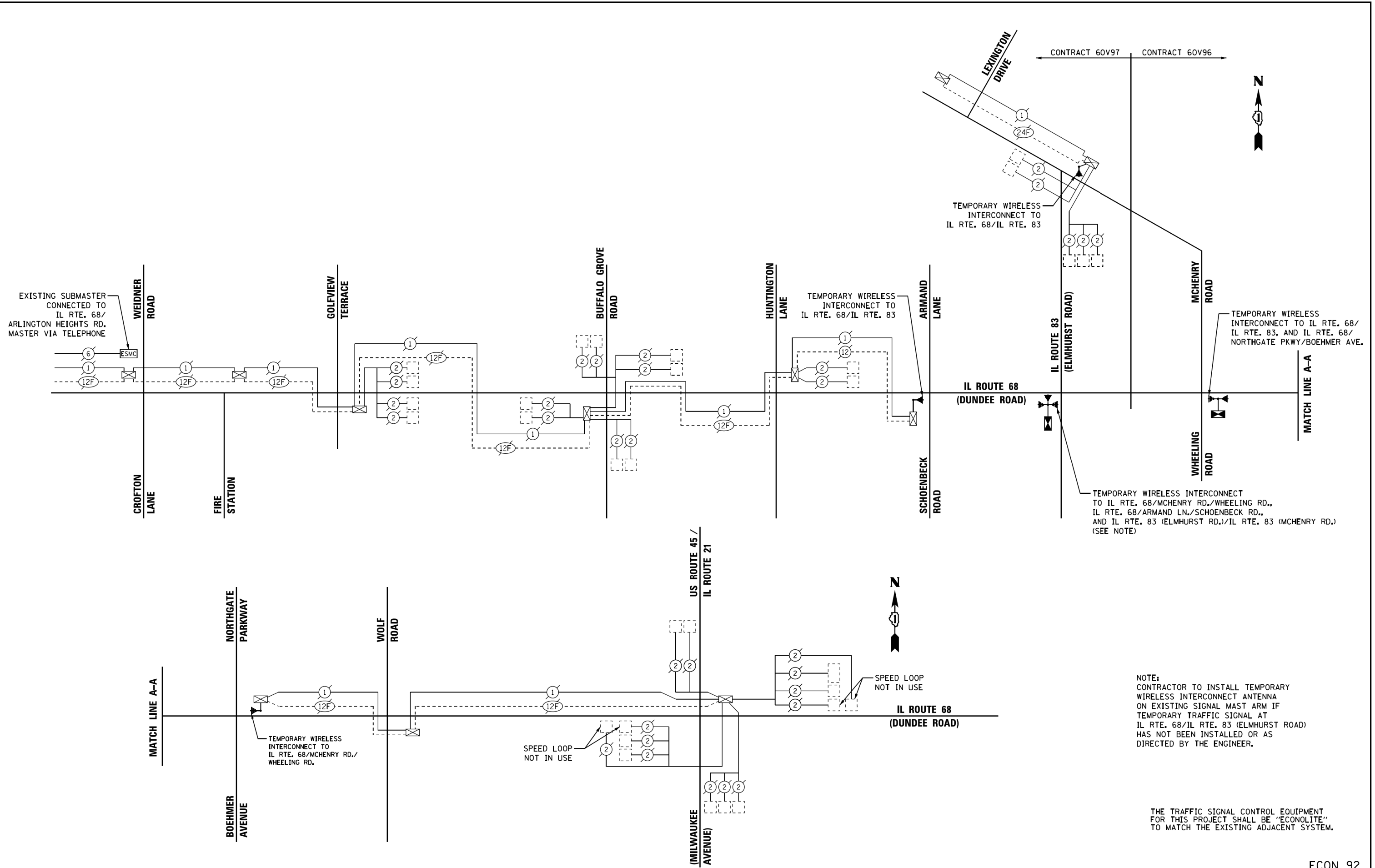
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY INTERCONNECT PLAN IL ROUTE 68 (DUNDEE ROAD) FROM IL ROUTE 83 (ELMHURST RD.) TO NORTHGATE PKWY./BOEHMER AVE.	
SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	67
			CONTRACT NO. 60V96	
ILLINOIS FED. AID PROJECT				

FILE NAME = M:\proj\148\2109 PTB 172-6 IDOT Ver. Sigraha\14-017 IL68 (IL83 to Wheeling Rd)\Design\CAD\Sheet Files\60V96_Temp_Int_Schematic.dgn



NOTE:
 CONTRACTOR TO INSTALL TEMPORARY WIRELESS INTERCONNECT ANTENNA ON EXISTING SIGNAL MAST ARM IF TEMPORARY TRAFFIC SIGNAL AT IL RTE. 68/IL RTE. 83 (ELMHURST ROAD) HAS NOT BEEN INSTALLED OR AS DIRECTED BY THE ENGINEER.

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

ECON 92

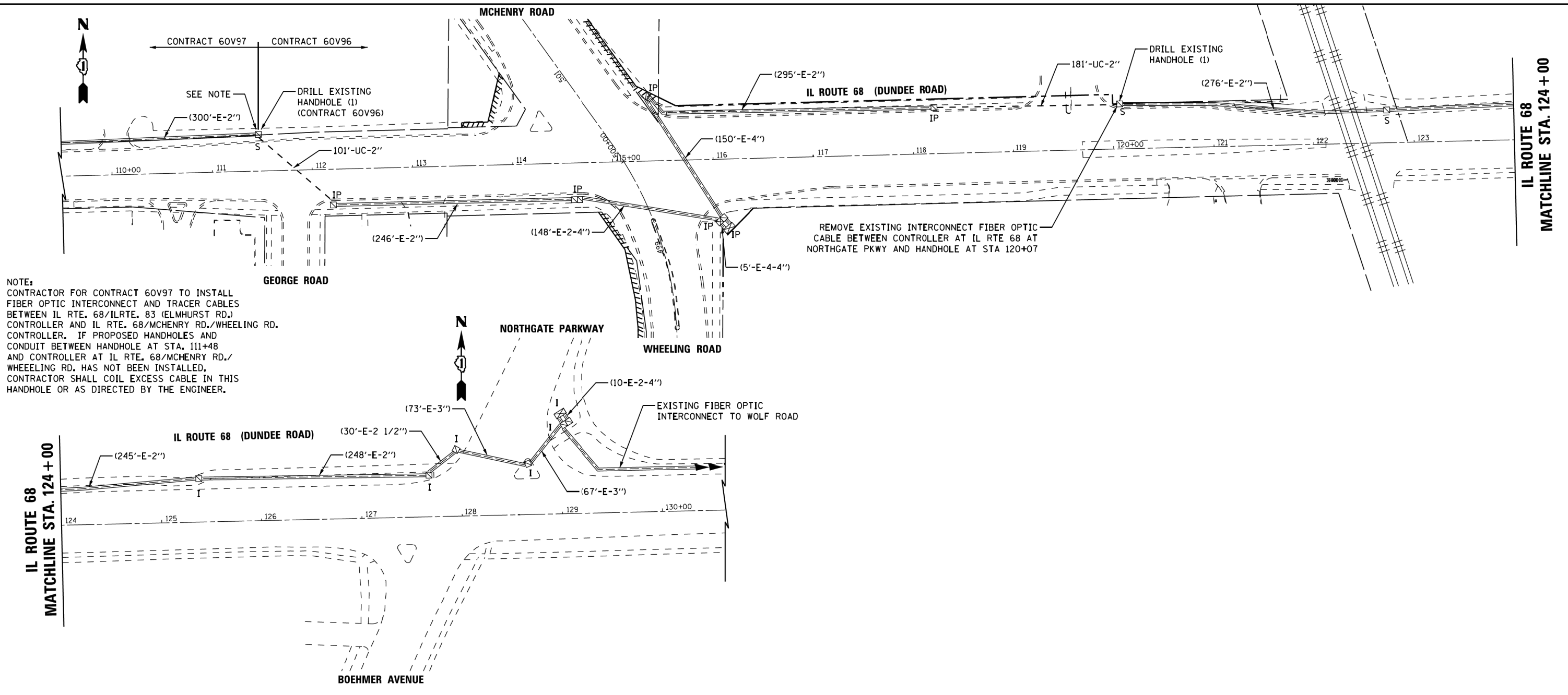
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC - IDOT SYSTEM 92
 FIRE STATION ENTRANCE TO US ROUTE 45 /IL ROUTE 21

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	68
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				



NOTE:
 CONTRACTOR FOR CONTRACT 60V97 TO INSTALL FIBER OPTIC INTERCONNECT AND TRACER CABLES BETWEEN IL RTE. 68/ILRTE. 83 (ELMHURST RD.) CONTROLLER AND IL RTE. 68/MCHENRY RD./WHEELING RD. CONTROLLER. IF PROPOSED HANDHOLES AND CONDUIT BETWEEN HANDHOLE AT STA. 111+48 AND CONTROLLER AT IL RTE. 68/MCHENRY RD./WHEELING RD. HAS NOT BEEN INSTALLED, CONTRACTOR SHALL COIL EXCESS CABLE IN THIS HANDHOLE OR AS DIRECTED BY THE ENGINEER.

REMOVE EXISTING INTERCONNECT FIBER OPTIC CABLE BETWEEN CONTROLLER AT IL RTE 68 AT NORTHGATE PKWY AND HANDHOLE AT STA 120+07

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

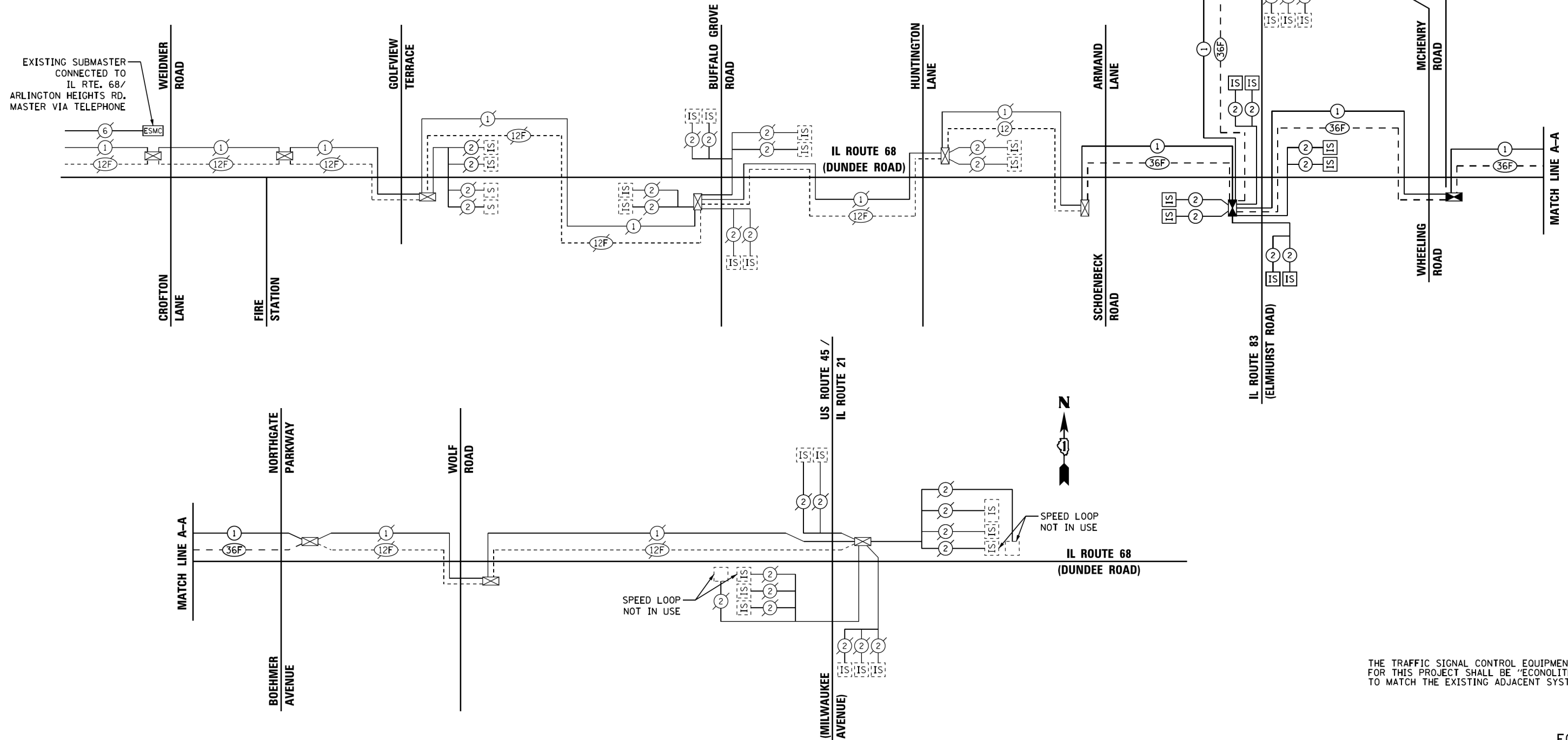
ECON 92

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SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	282
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1667
DRILL EXISTING HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1017
ROD AND CLEAN EXISTING CONDUIT	FOOT	949
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1690
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1



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

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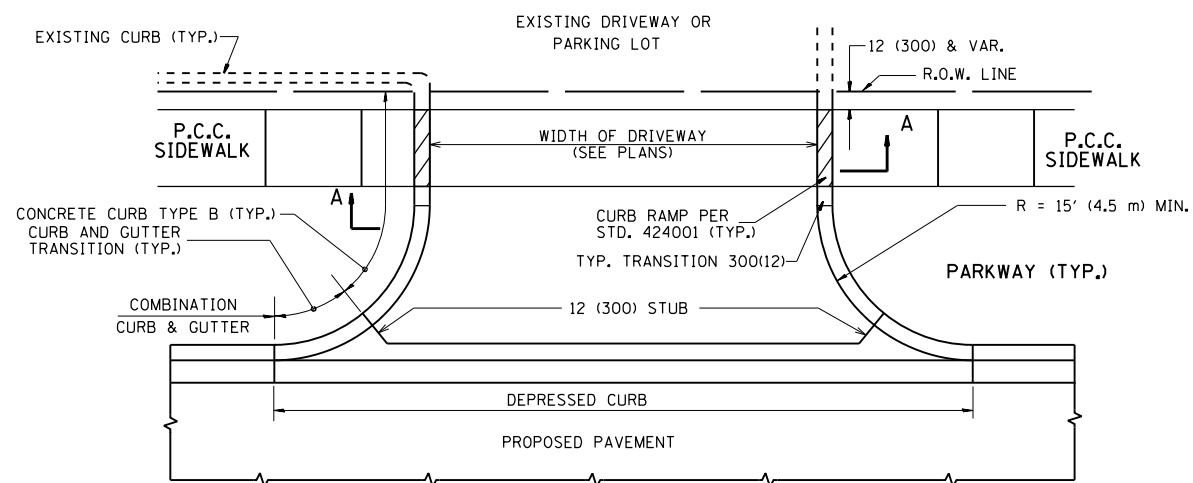
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PLOT DATE = 10/2/2015	DATE - 10/02/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

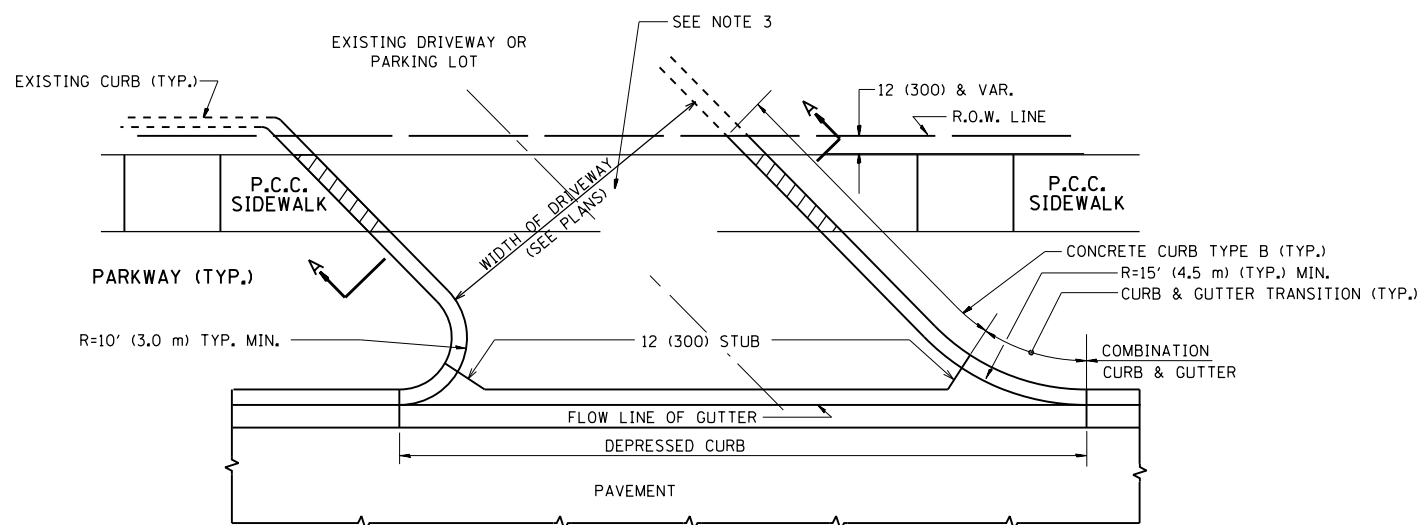
**PROPOSED INTERCONNECT SCHEMATIC - IDOT SYSTEM 92
FIRE STATION ENTRANCE TO US ROUTE 45 / IL ROUTE 21**

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

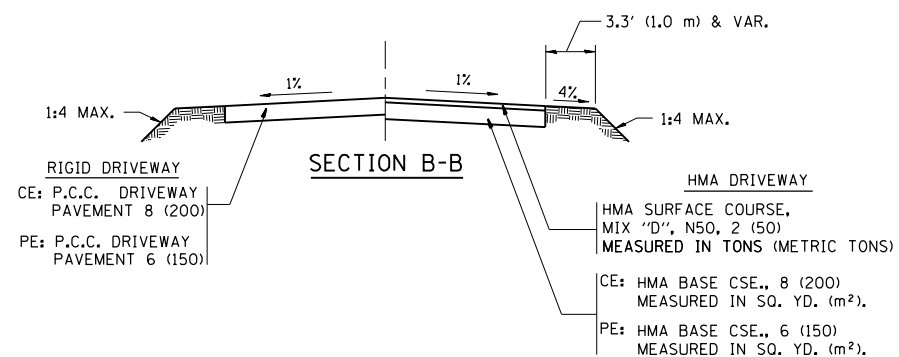
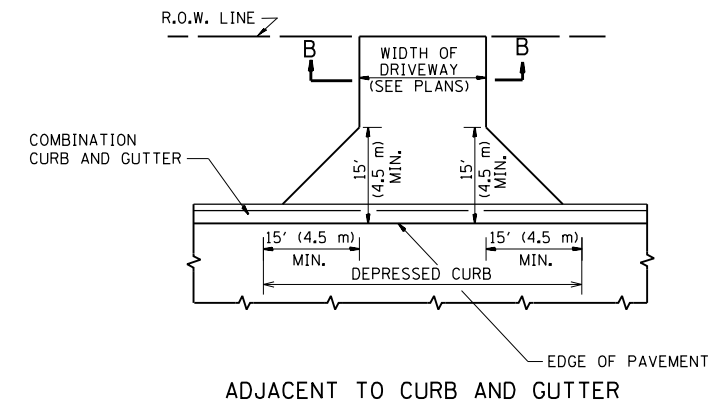
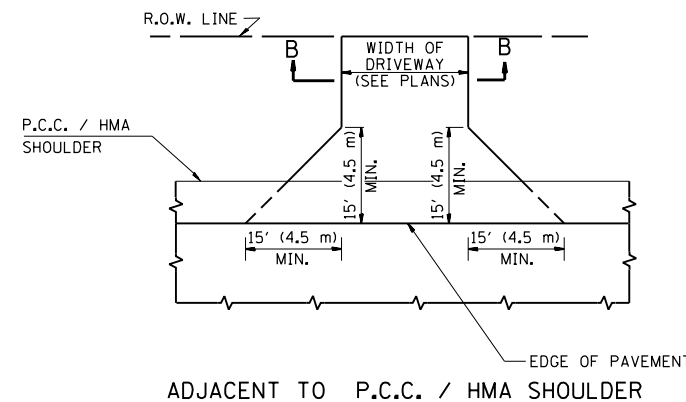
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-412)	COOK	93	70
CONTRACT NO. 60V96				
ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX 'D', N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

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.

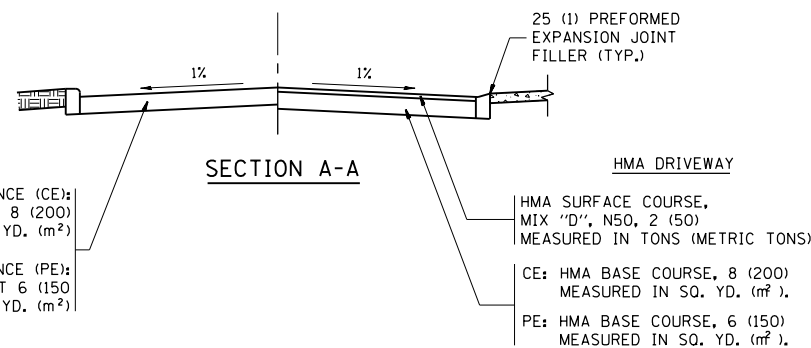
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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.

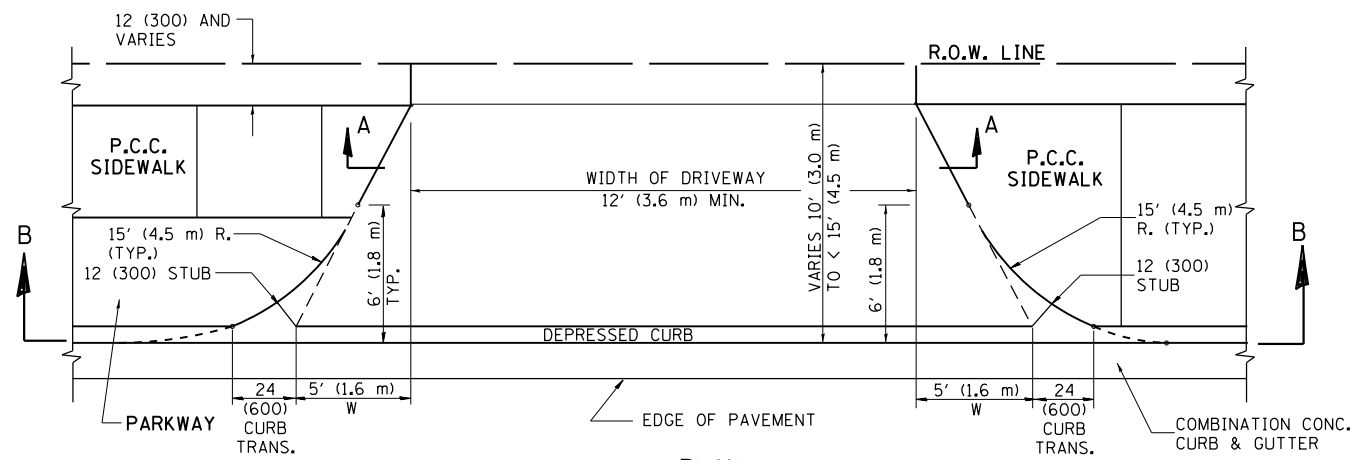


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	PLOT DATE = 3/24/2016	DATE - 11-04-95	REVISED - R. BORO 09-06-11

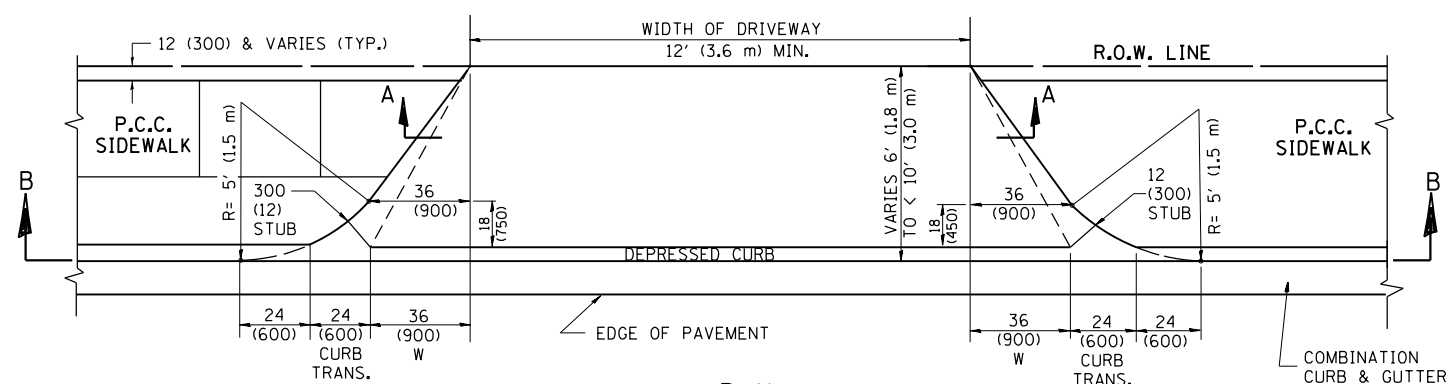
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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.

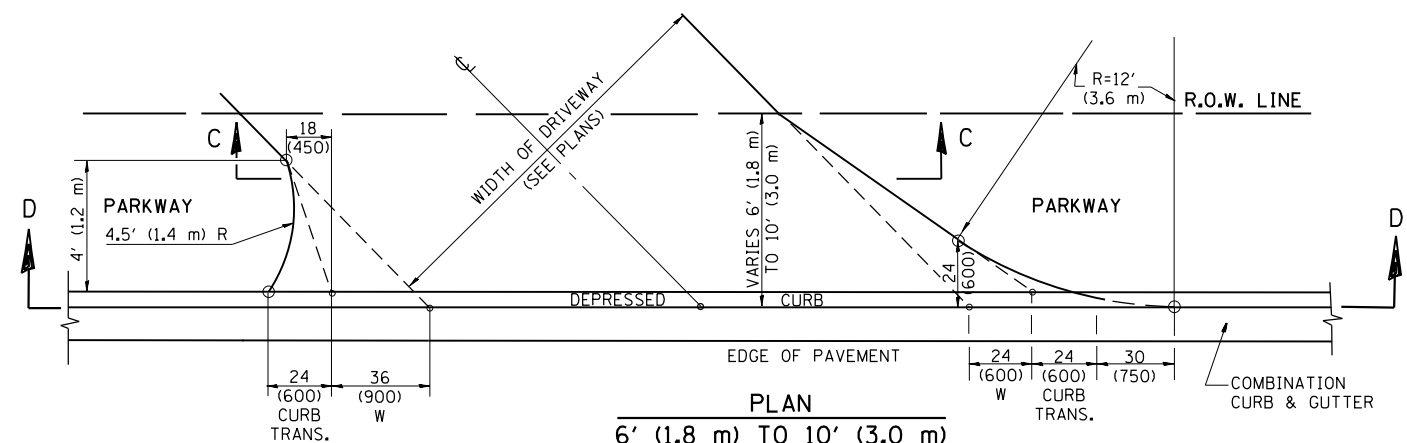
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD0156-07 (BD-01)		CONTRACT NO. 60V96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



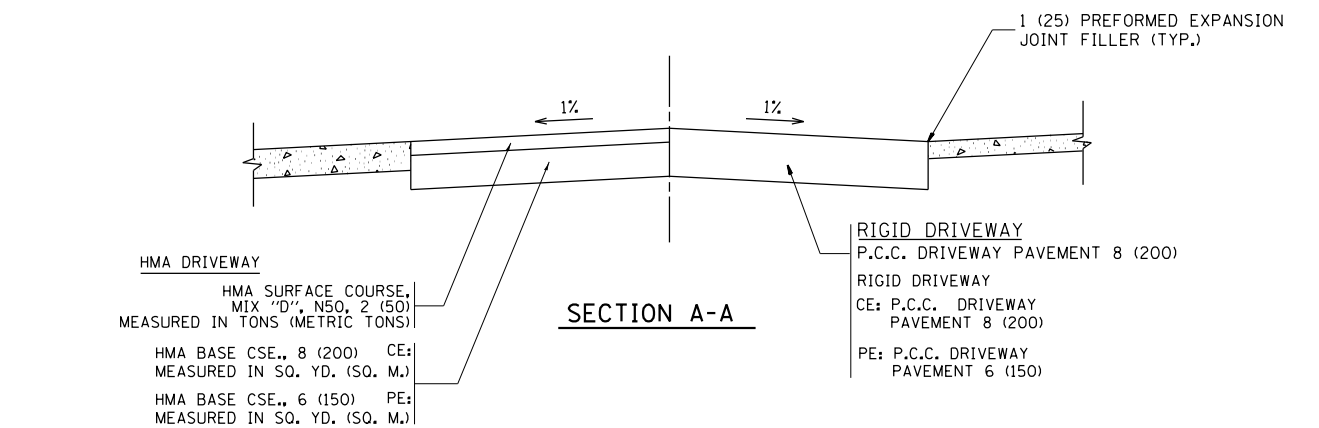
PLAN
10' (3.0 m) TO < 15' (4.5 m)



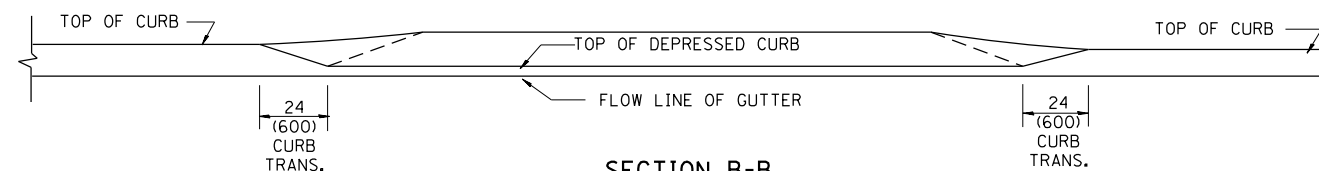
PLAN
6' (1.8 m) TO < 10' (3.0 m)



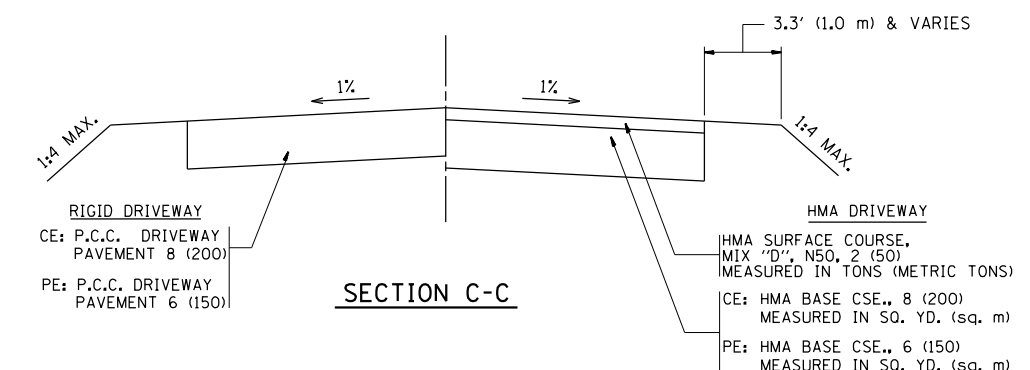
PLAN
6' (1.8 m) TO 10' (3.0 m)



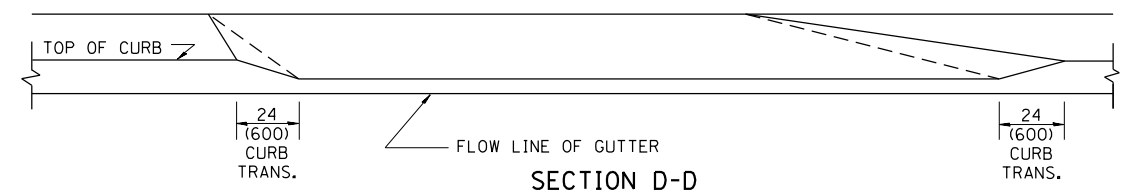
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

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

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

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

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

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

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

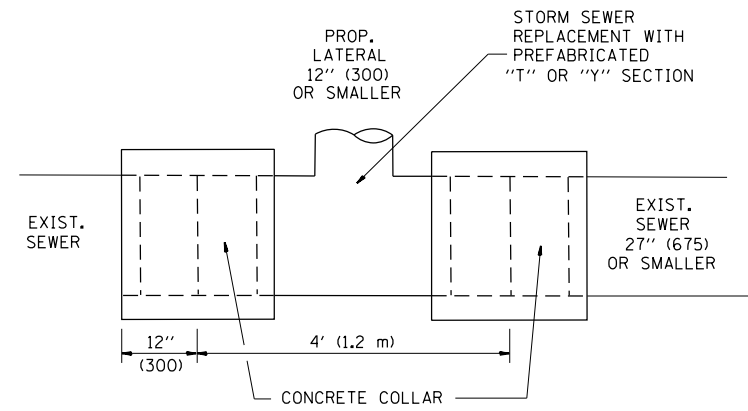
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

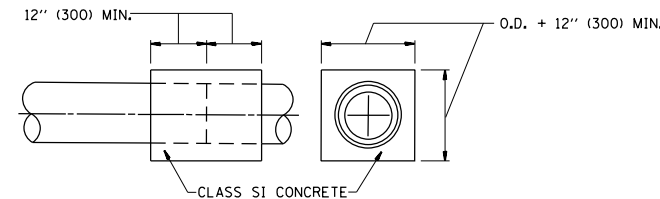
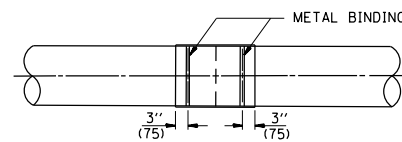
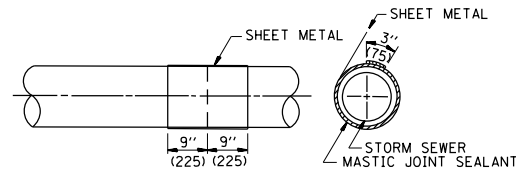
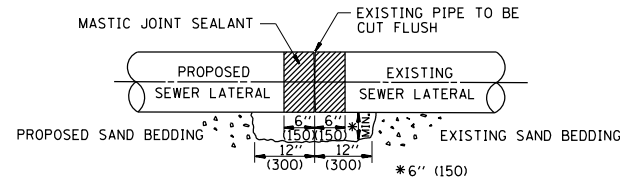
DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	72
BD400-02 (BD-02)			CONTRACT NO. 60V96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

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



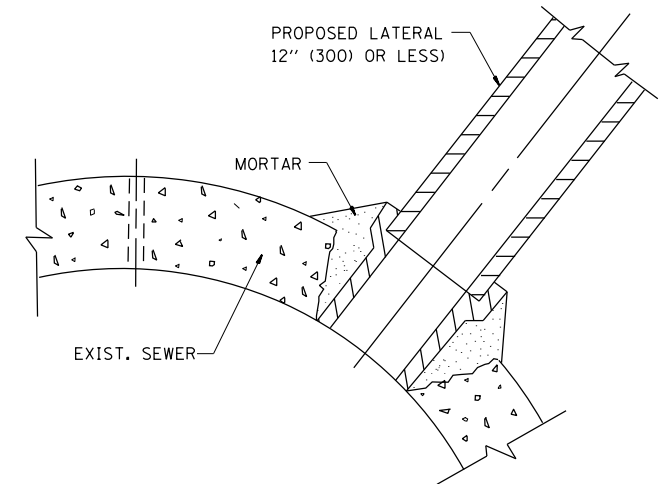
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

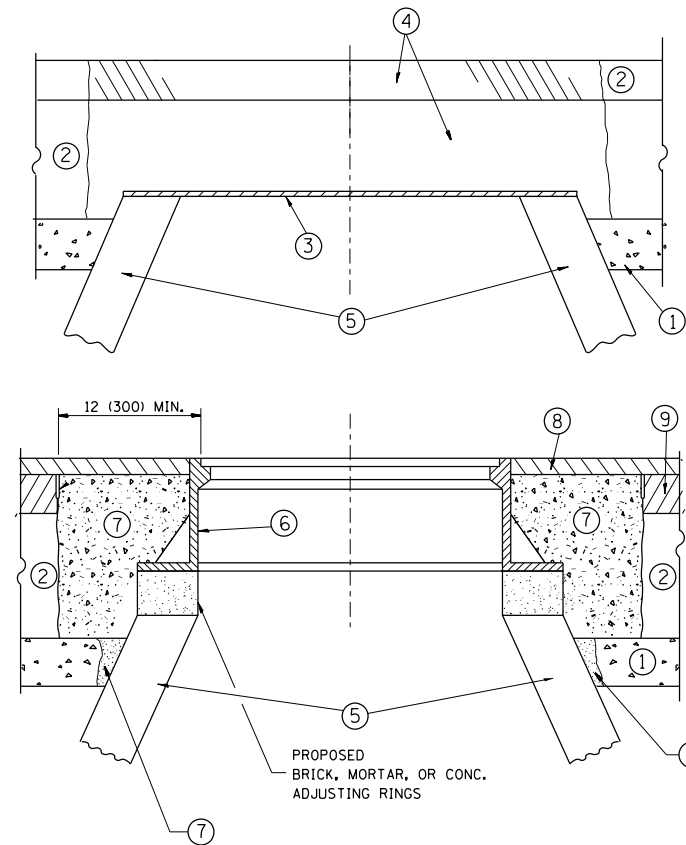
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	PLOT DATE = 3/24/2016	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	73
BD500-01 (BD-7)			CONTRACT NO. 60V96	
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
- ⑥ FRAME AND LID (SEE NOTES)
- ② EXISTING PAVEMENT
- ⑦ CLASS PP-1* CONCRETE
- ③ 36 (900) DIAMETER METAL PLATE
- ⑧ PROPOSED HMA SURFACE COURSE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑨ PROPOSED HMA BINDER COURSE
- ⑤ EXISTING STRUCTURE

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

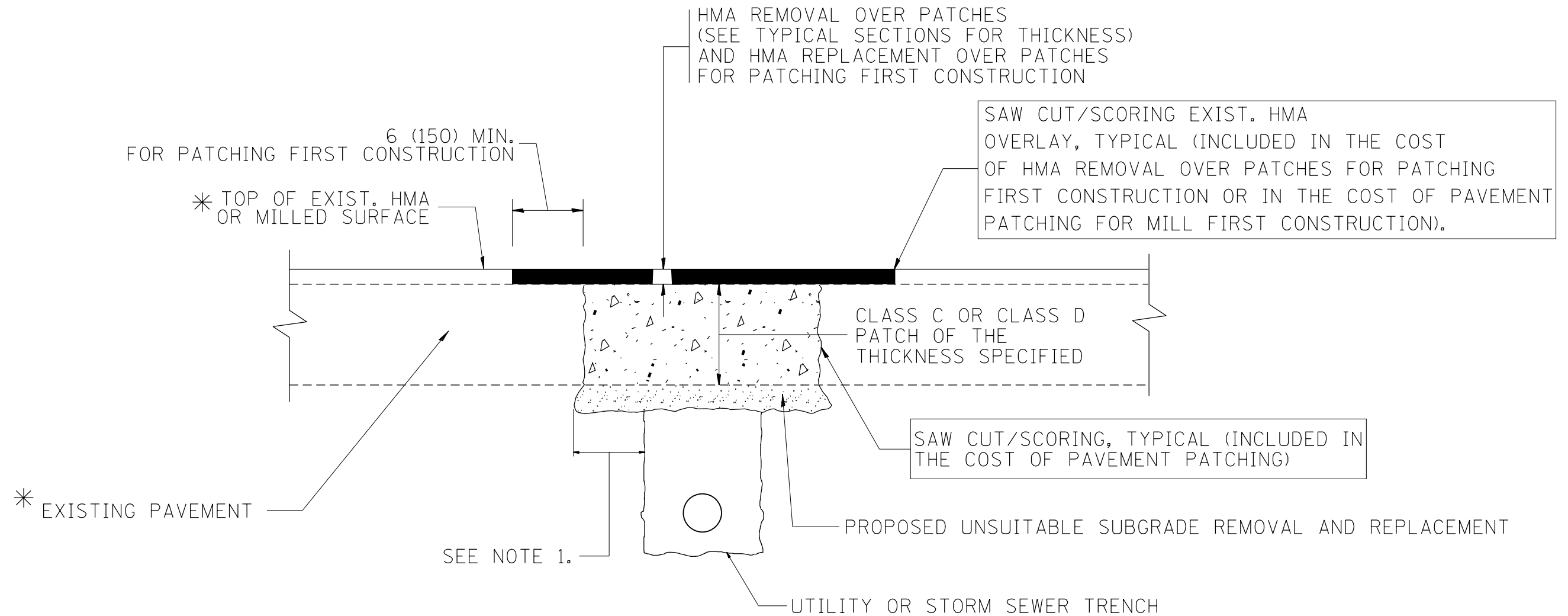
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 3/24/2016	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**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.
343	3041N-4(12)	COOK	93	74
BD600-03 (BD-8)			CONTRACT NO. 60V96	
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)

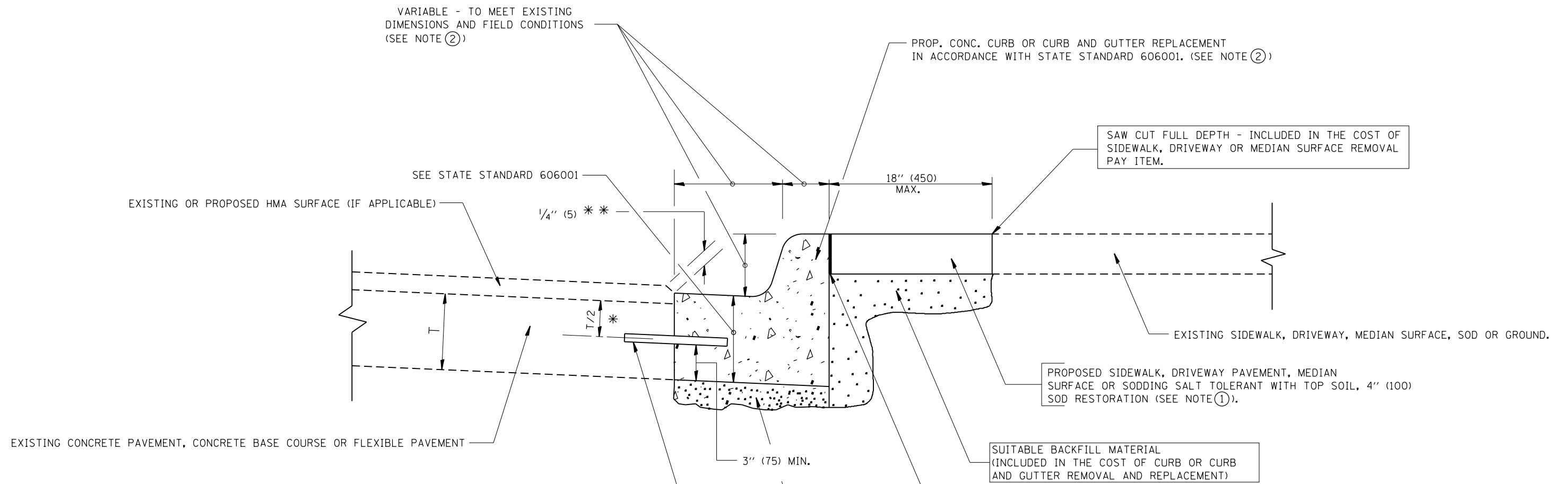
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = paraynoal	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:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI24812\Drawings\Design\PI24812-sh1-genote.dgn	PLotted SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					343	304IN-4(12)	COOK	93	75
	DATE = 10-25-94	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)			CONTRACT NO. 60V96				
	DATE = 3/24/2016				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

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

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

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

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

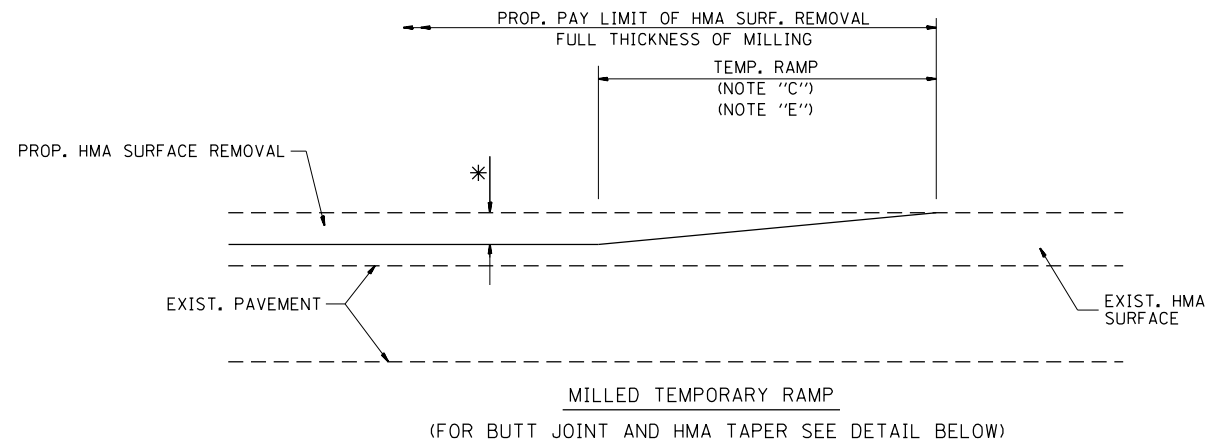
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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".

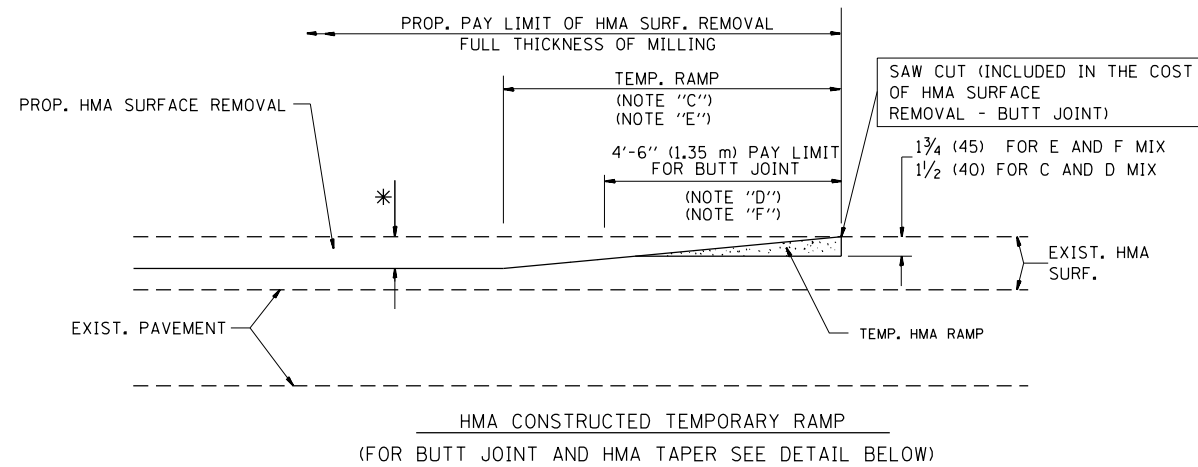
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = paraynoal	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - A. ABBAS 03-21-97			343	3041N-4(12)	COOK	93	76	
			REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)			CONTRACT NO. 60V96		
			REVISED - R. BORO 12-15-09			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
PLOT SCALE = 100.0000' / 1in.		CHECKED -	DATE - 03-11-94	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

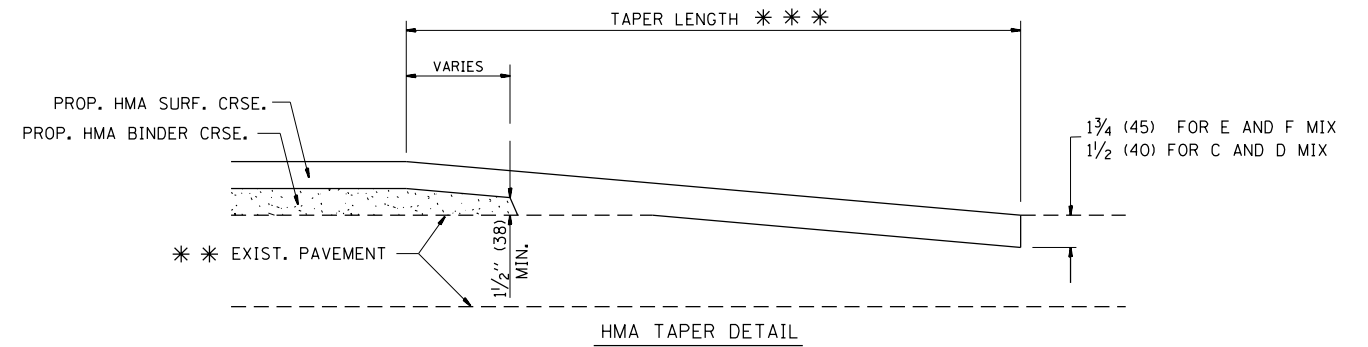
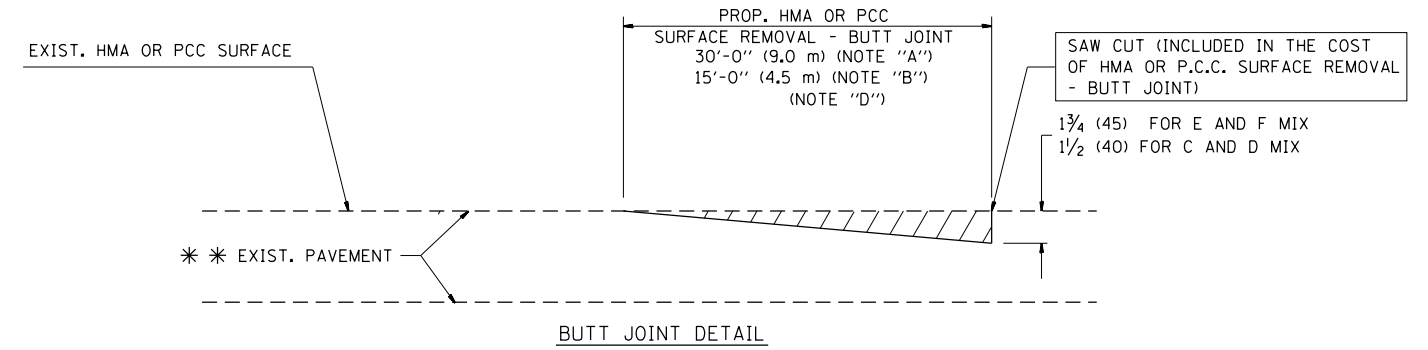


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

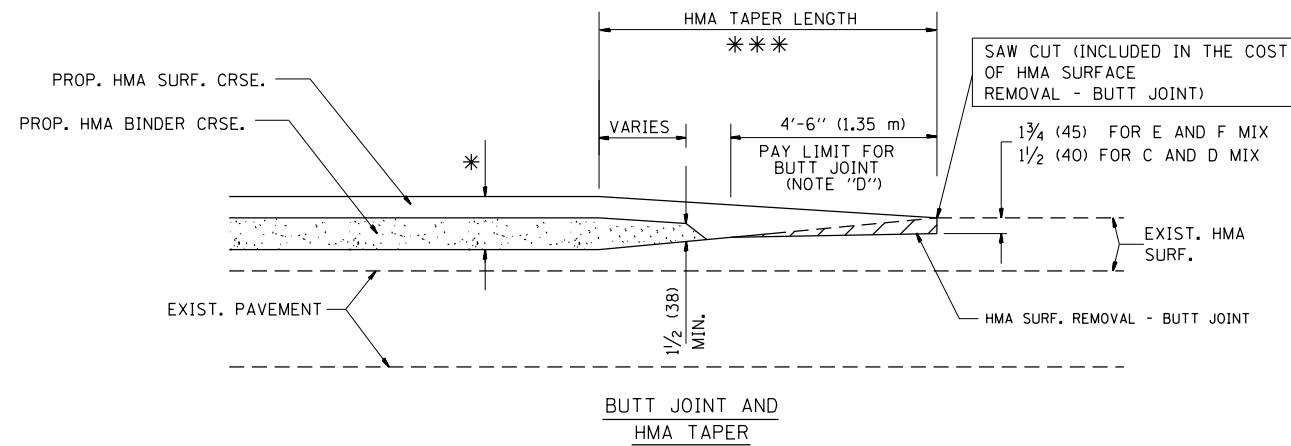
NOTES

- 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

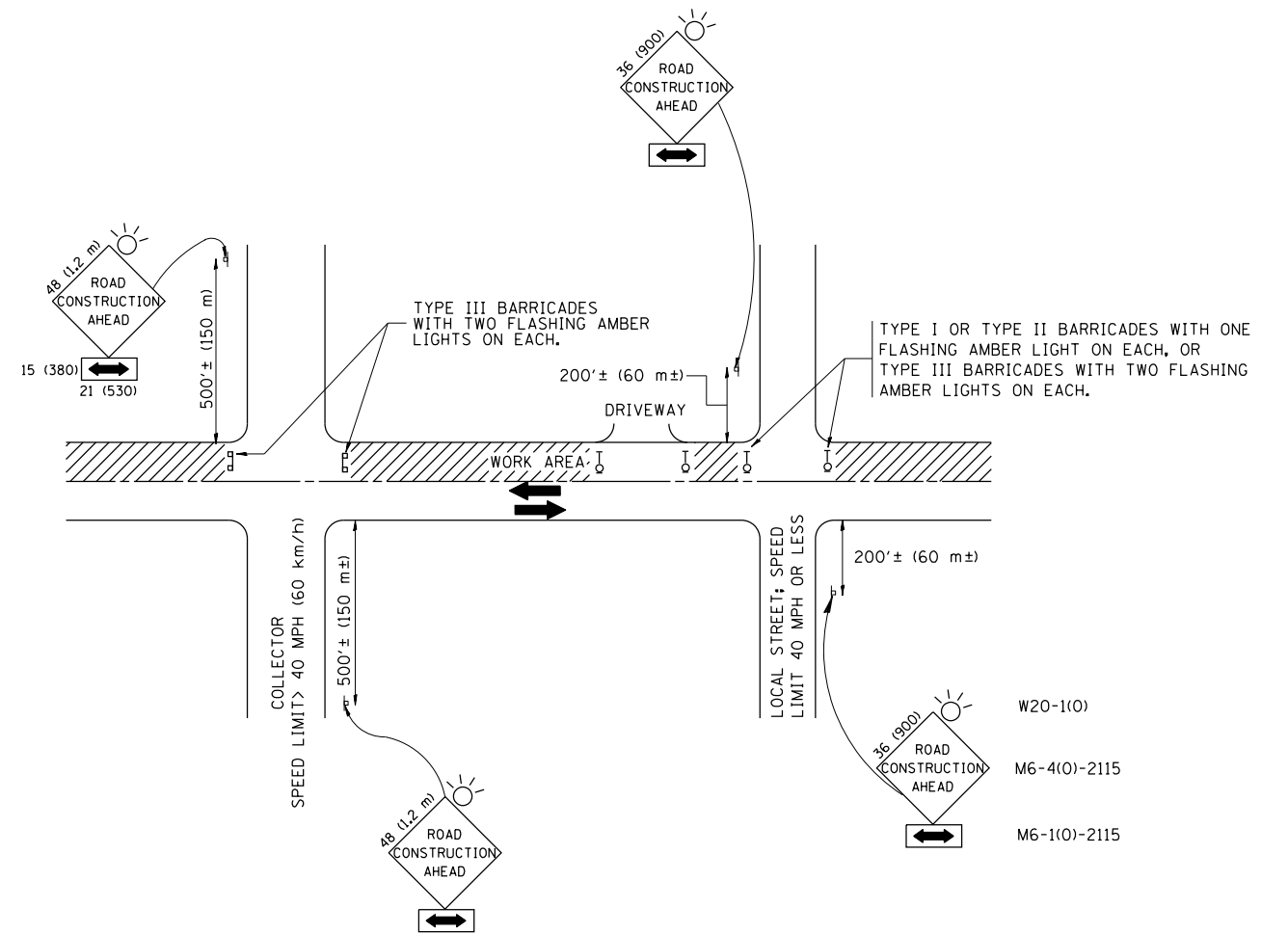
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 3/24/2016	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	77
BD400-05 BD32		CONTRACT NO. 60V96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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

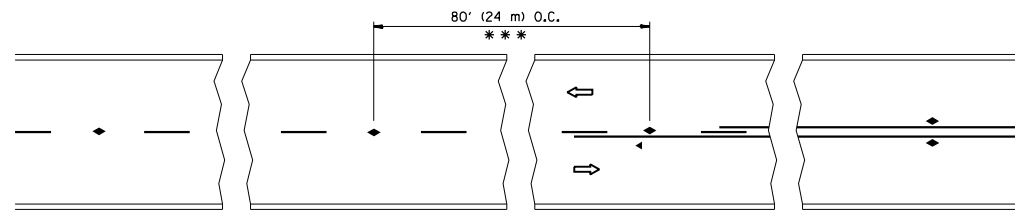
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		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

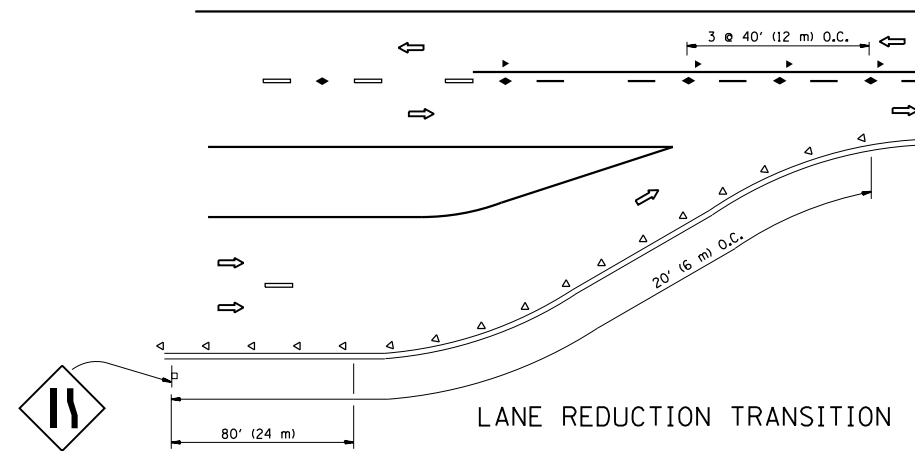
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TC-10			CONTRACT NO. 60V96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

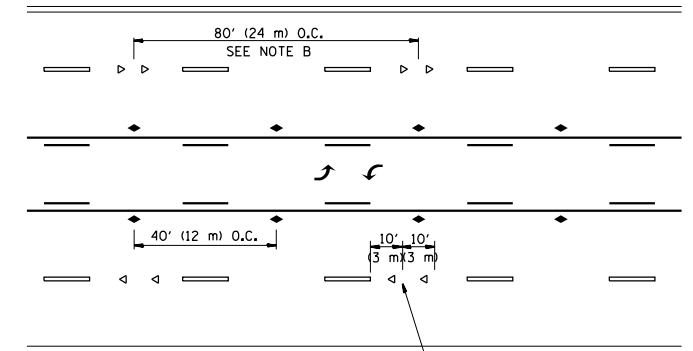


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

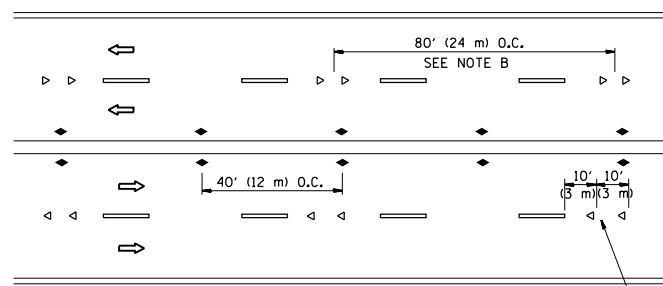
TWO-LANE/TWO-WAY



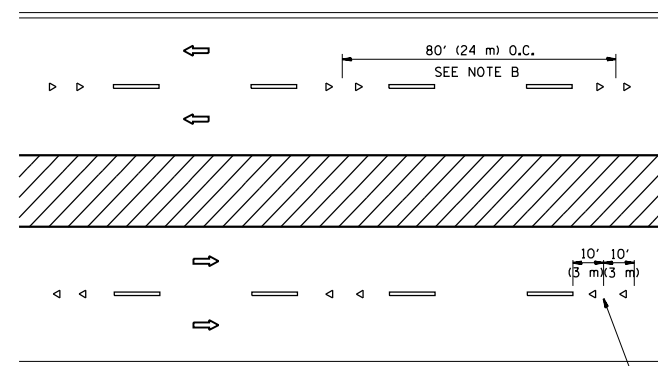
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

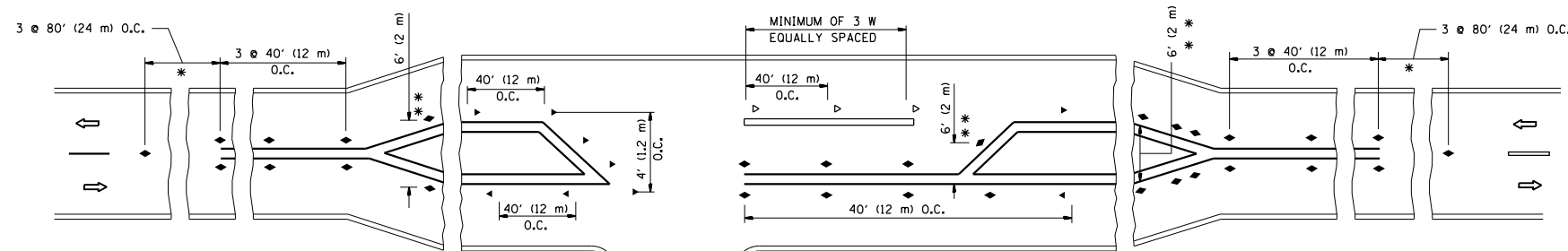
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR 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.



LEFT TURN

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

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

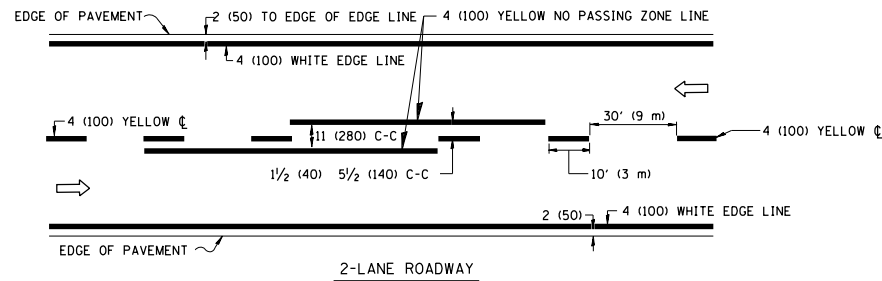
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	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/24/2016	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

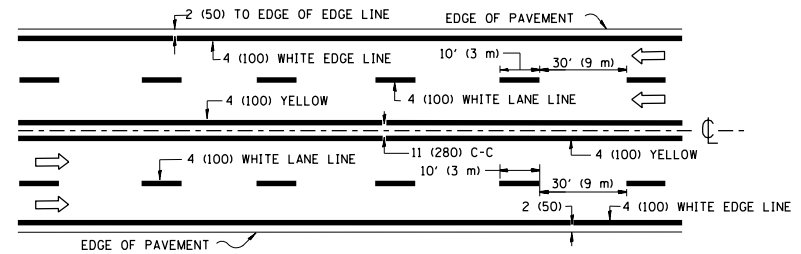
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

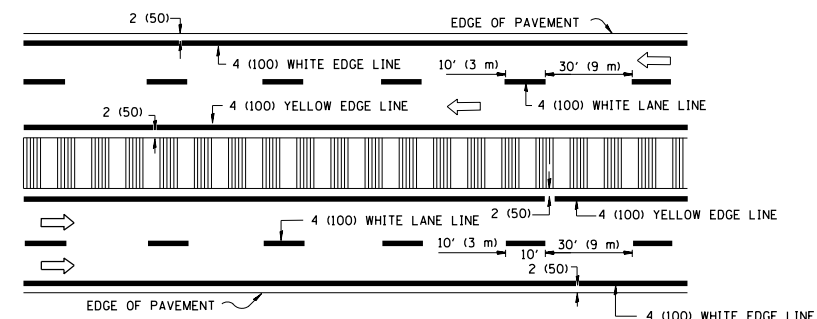
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	79
TC-11		CONTRACT NO. 60V96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



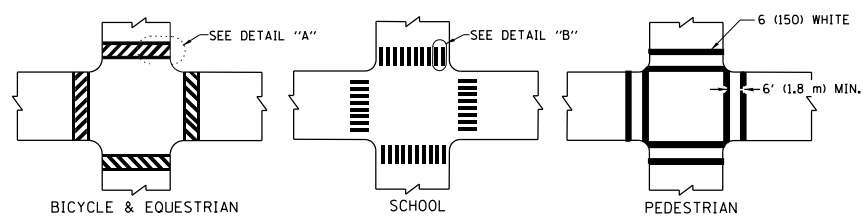
MULTI-LANE UNDIVIDED



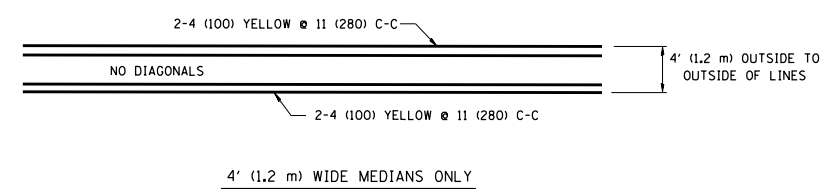
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

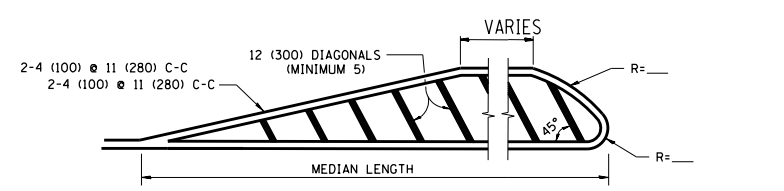
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

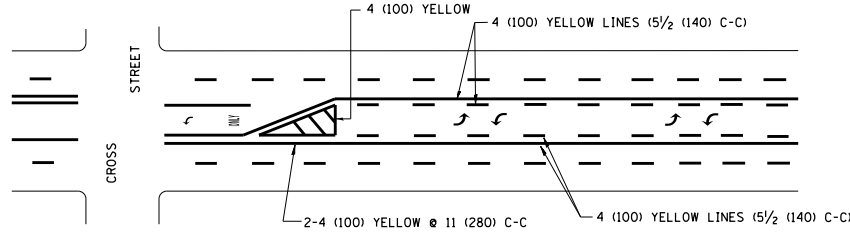


4' (1.2 m) WIDE MEDIANS ONLY

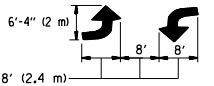


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

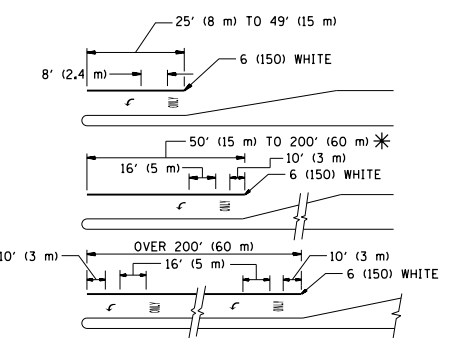


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

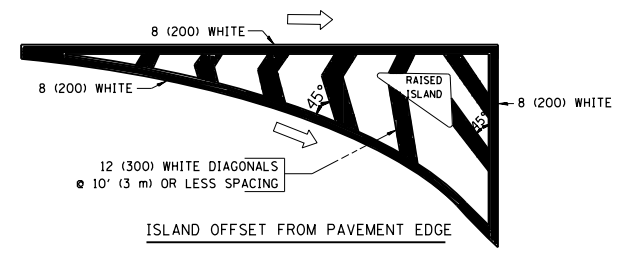
TYPICAL PAINTED MEDIAN MARKING



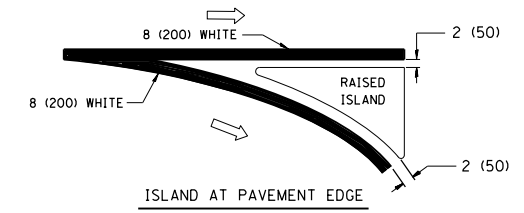
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

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

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

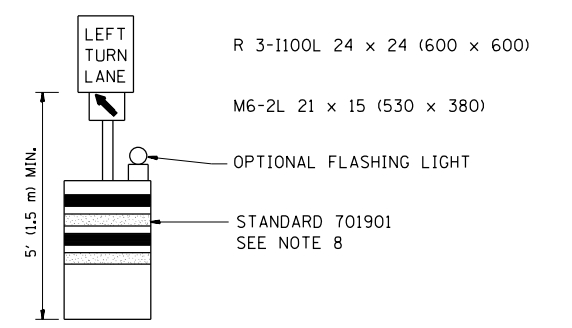
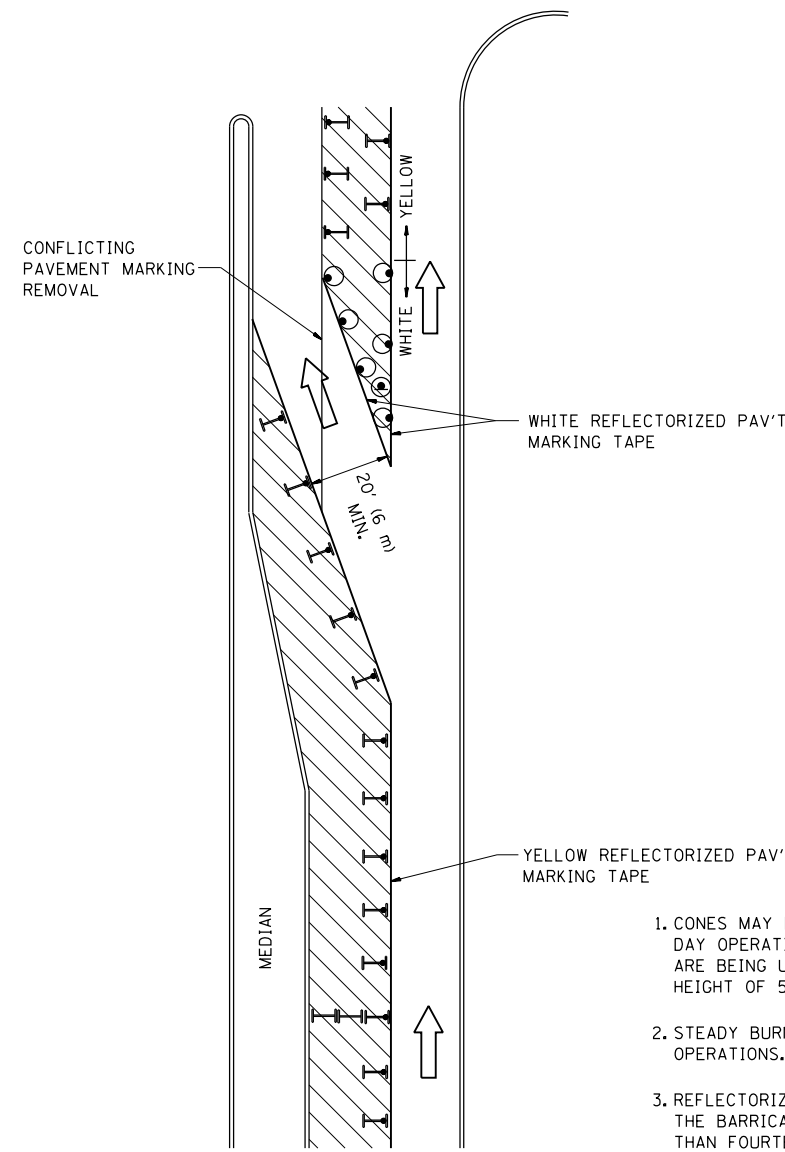
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = paraynoal	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
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	PLOT SCALE = 100.0000' / 1in.	DATE - 03-19-90	REVISED -
	PLOT DATE = 3/24/2016		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	80
TC-13		CONTRACT NO. 60V96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				









GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

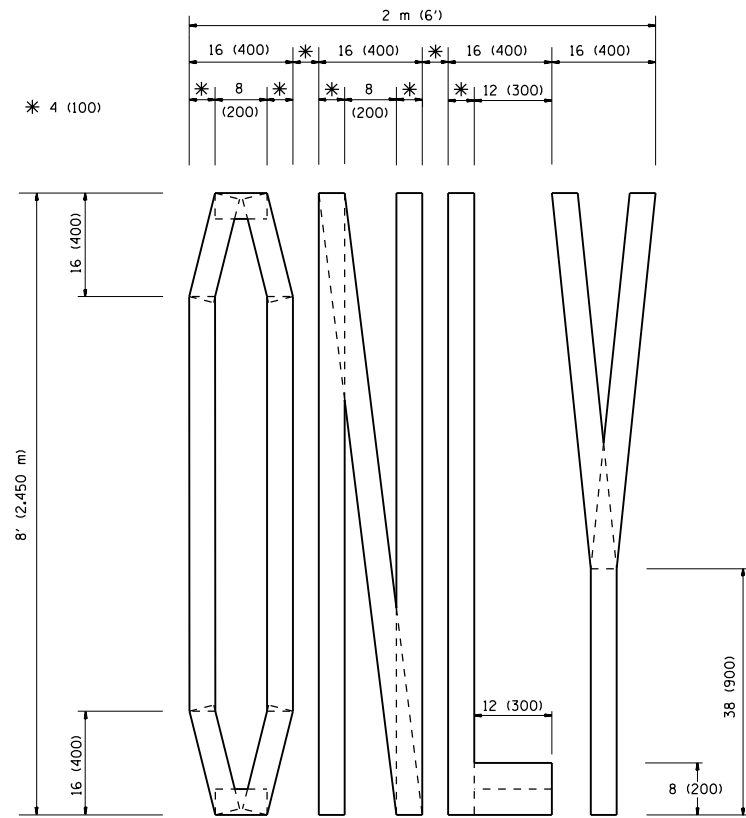
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = paraynoal	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\PI2495\Design\HOUSEH-11-07-95.dgn	DESIGNER = HOUSEH 11-07-95	REVISED - A. HOUSEH 10-12-96	REVISED -
PLOT SCALE = 100.0000' / in.		REVISED -T. RAMMACHER 01-06-00	REVISED -
PLOT DATE = 3/24/2016			

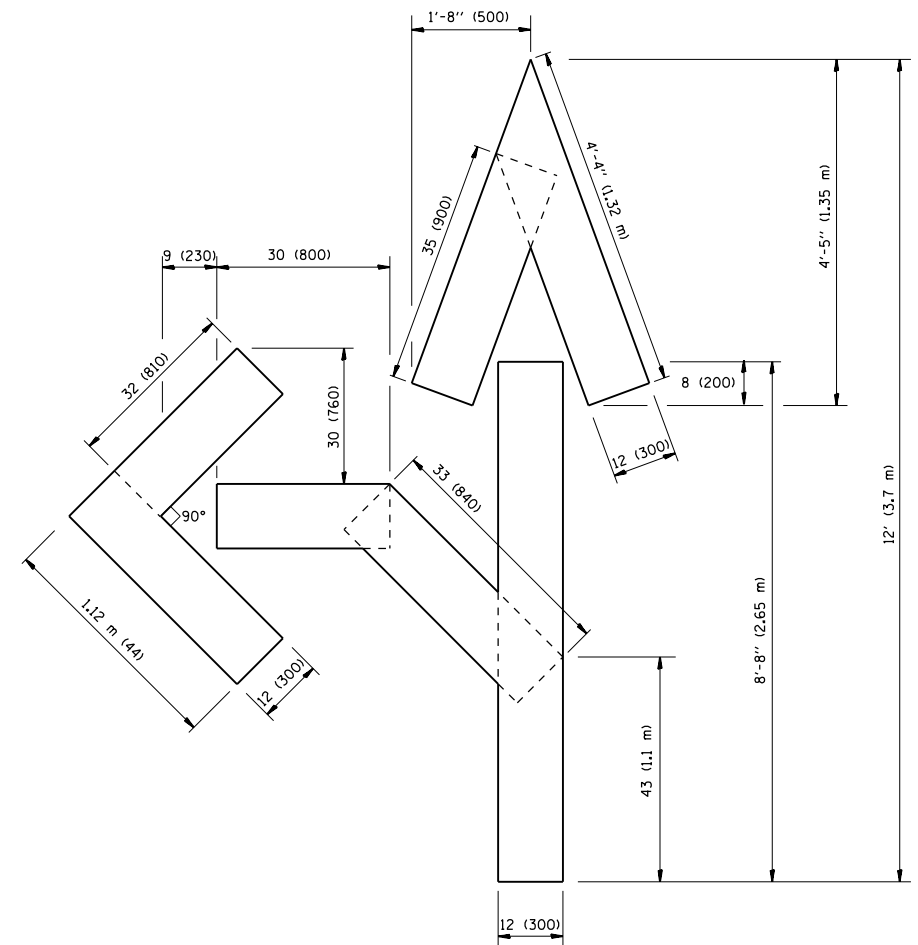
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

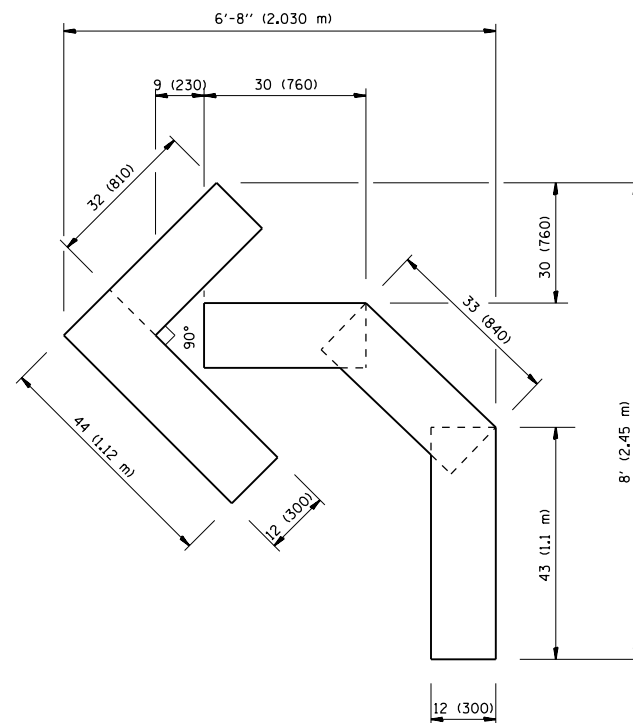
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	81
TC-14			CONTRACT NO. 60V96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



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



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

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

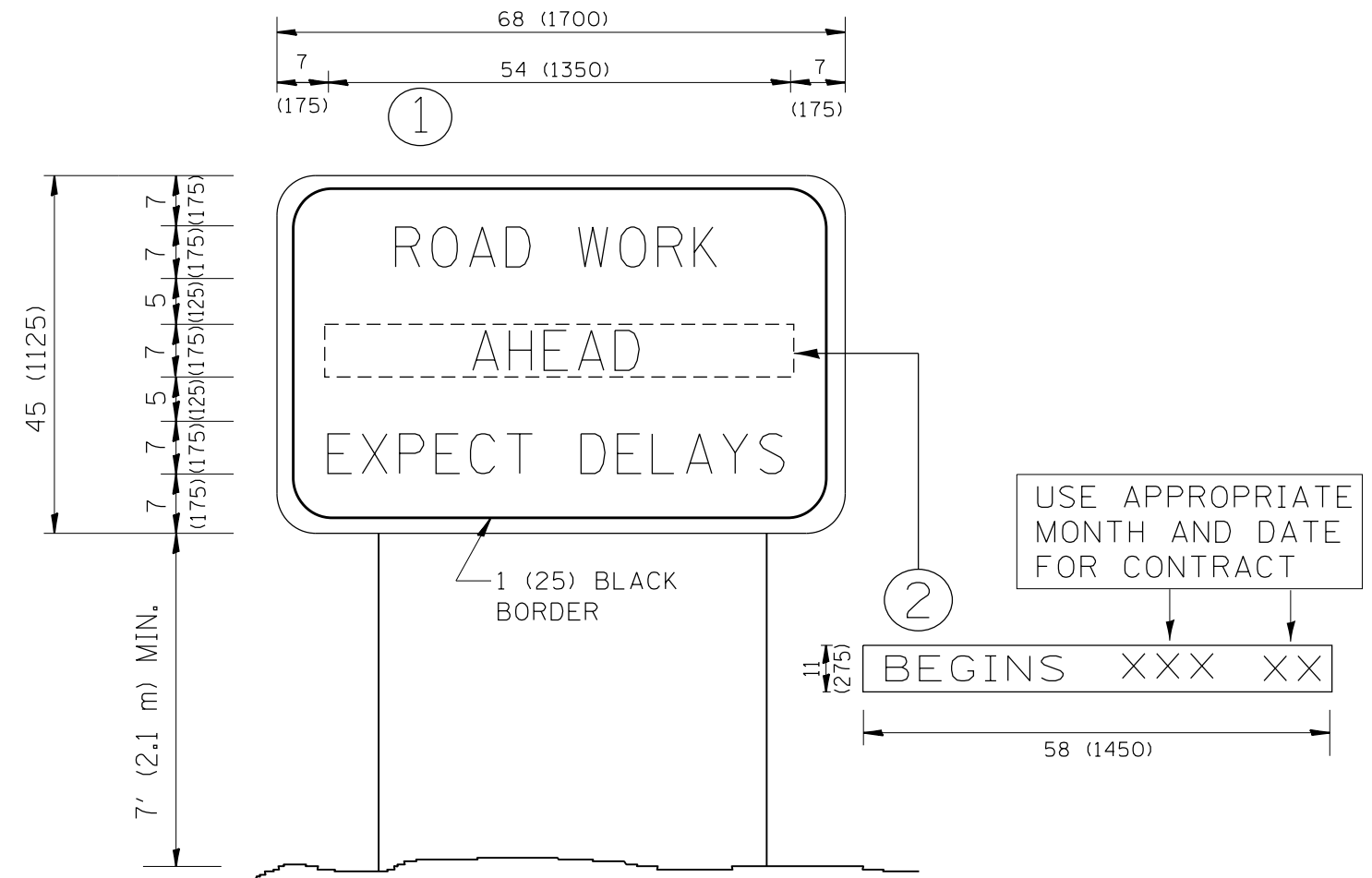
FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
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		CHECKED -	REVISED -T. RAMMACHER 03-02-98
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	82
TC-16		CONTRACT NO. 60V96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

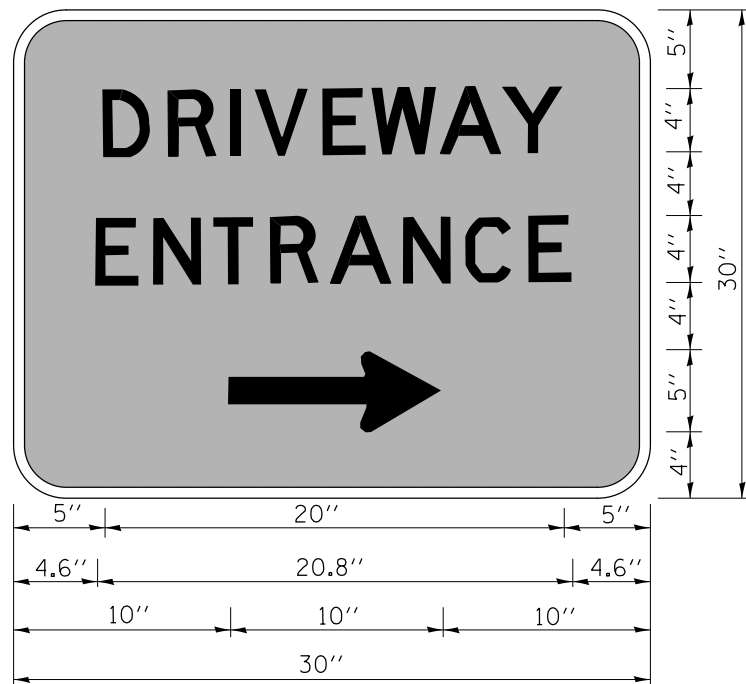


NOTES:

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.

FILE NAME =	USER NAME = paraynoal	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\P124812\Drawings\Design\P124812-sh1-genote.dgn	DRAWN	REVISED - R. MIRS 12-11-97	343			3041N-4(12)	COOK	93	83	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO. 60V96				
PLOT DATE = 3/24/2016	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



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 = paraynoal	DESIGNED -	REVISED - C. JUCIUS 02-15-07
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI24812\Design\PI24812-sht-genote.dgn		REVISED -	
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	PLOT DATE = 3/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

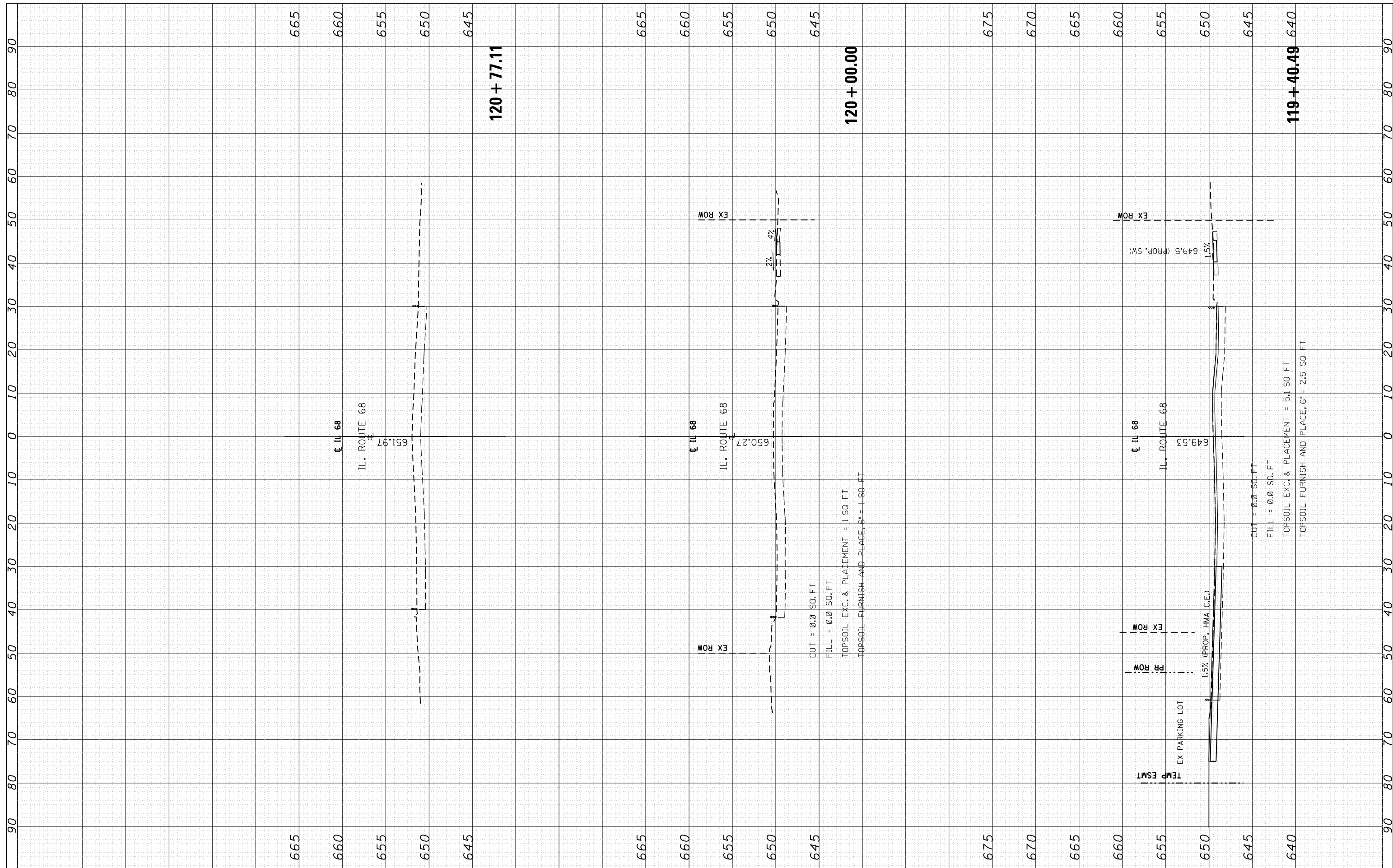
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	84
TC-26			CONTRACT NO. 60V96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

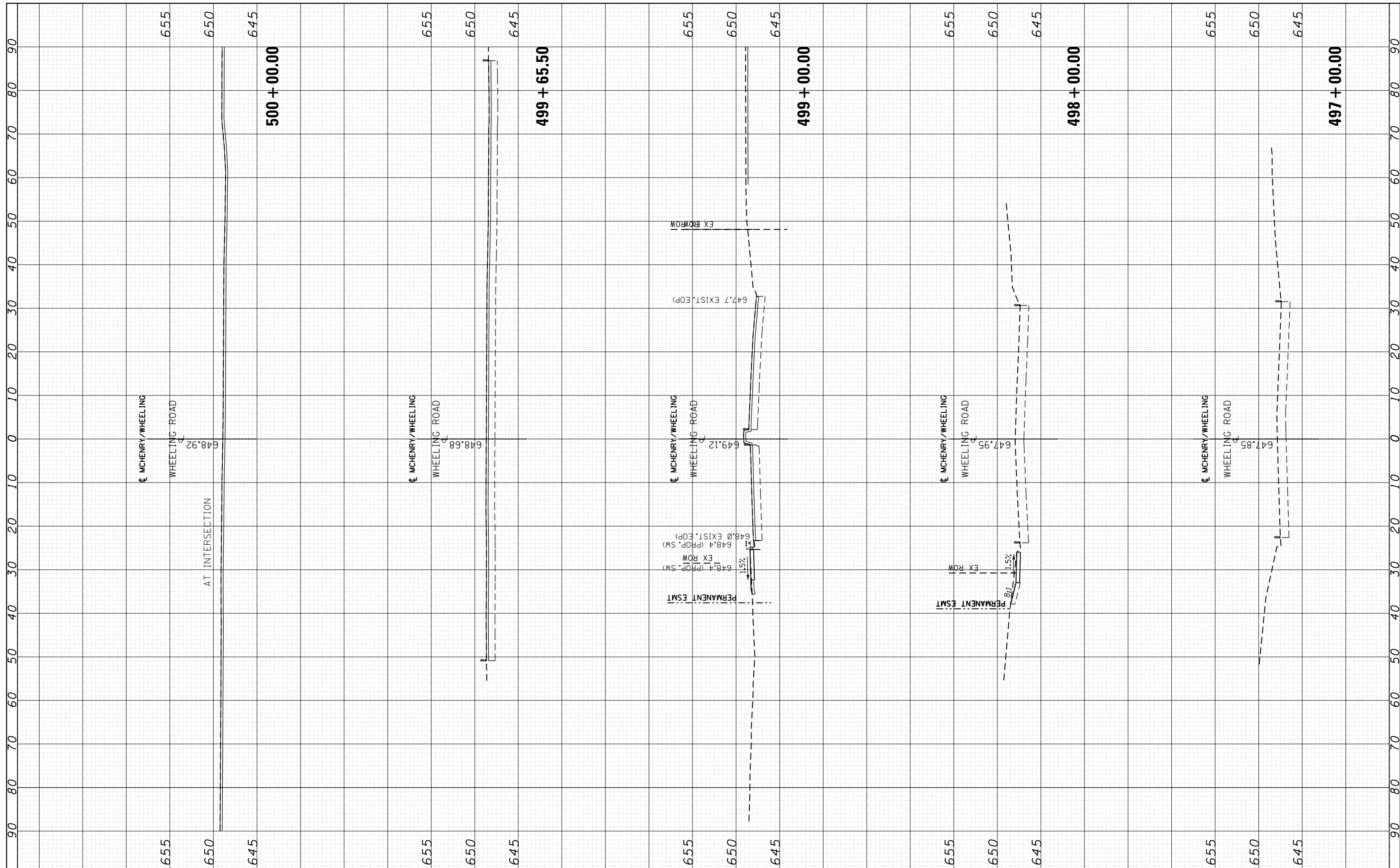
FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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

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



FILE NAME =
 USER NAME = paraynoal
 DESIGNED -
 REVISIONS:
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 REVISIONS:
 REVISIONS:
 PLOT SCALE = 20.0000' / in.
 CHECKED -
 DATE -
 PLOT DATE = 3/24/2016

DESIGNED -
 REVISIONS:
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 CHECKED -
 DATE -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

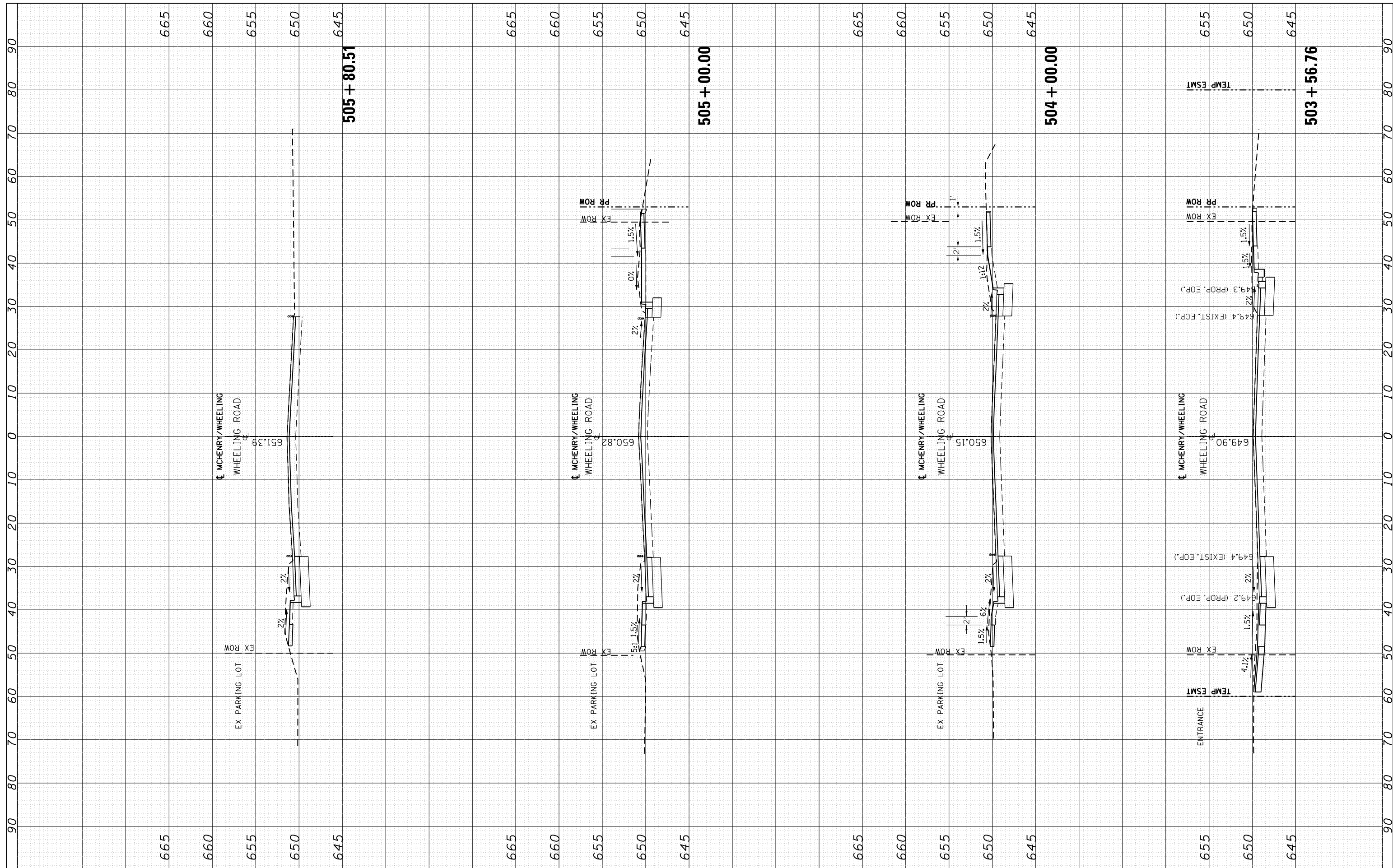
**CROSS SECTIONS
 WHEELING ROAD**

SCALE: SHEET OF SHEETS STA. 497+00.00 TO STA. 500+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-4(12)	COOK	93	89
CONTRACT NO. 60V96				
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 = paraynoal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS WHEELING ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								343	304IN-412)	COOK	93	91
								CONTRACT NO. 60V96				
								ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA. 503+56.76	TO STA. 505+80.51			

