

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	1
		ILLINOIS	CONTRACT NO. 60X71	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS IMPROVEMENT IS LOCATED IN THE VILLAGE OF MCCOOK

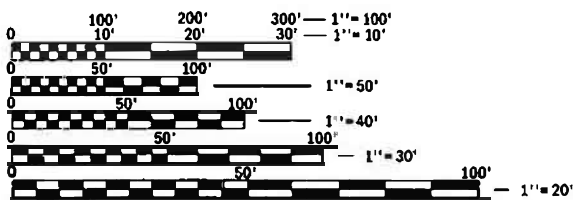
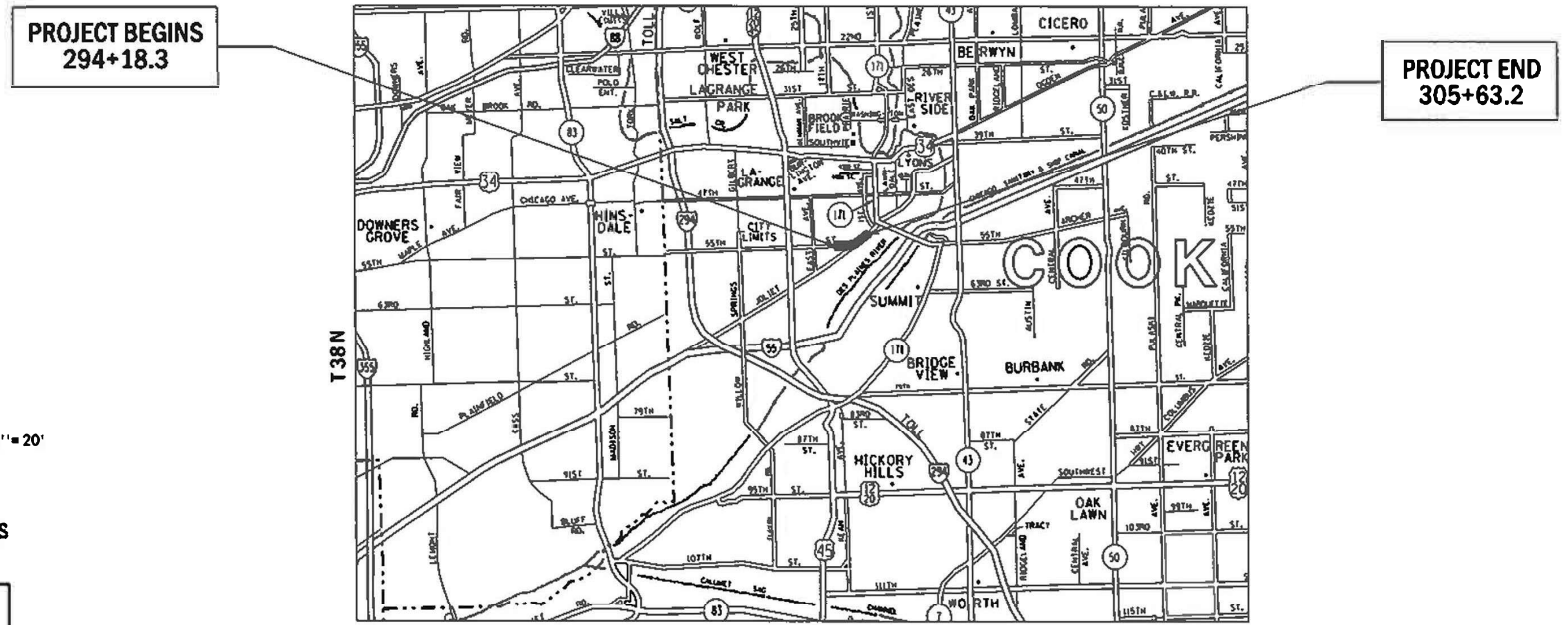
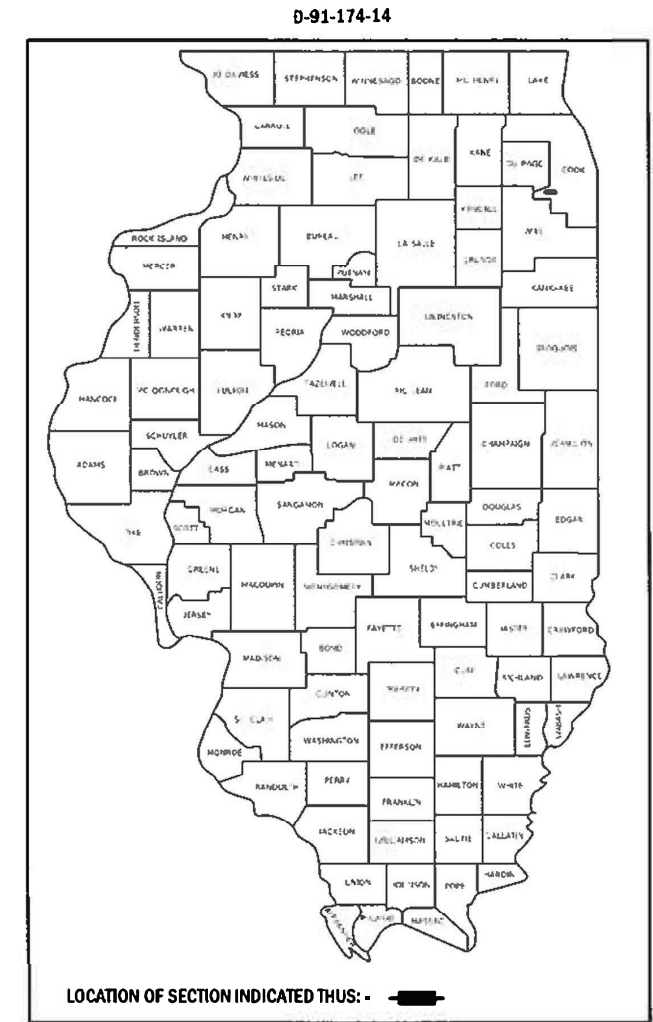
TRAFFIC DATA

2018 ADT = 19800  
SPEED LIMIT = 45 MPH

PROPOSED  
HIGHWAY PLANS

F.A.U. ROUTE 3562: JOLIET ROAD.  
AT 55TH STREET.  
SECTION: (430V-X)N  
PROJECT: STP-39DJ(389)  
INTERSECTION RECONSTRUCTION/  
ROADWAY RE-ALIGNMENT  
COOK COUNTY

C-91-174-14



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: ALAIN MIDY (847) 221-3056  
PROJECT MANAGER: FAWAD AQUEEL (847)705-4247

CONTRACT NO. 60X71

GROSS & NET LENGTH = 1,144.9 FT. = 0.217 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 13 2020  
*Anthony J. Casper* REGIONAL ENGINEER  
May 8, 2020  
*Joe E. A. Elk* ENGINEER OF DESIGN AND ENVIRONMENT  
May 8, 2020  
*James J. Jan* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION '13

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OF THE STATE OF ILLINOIS

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**STATE STANDARDS**

<b>STANDARD NO.</b>	<b>DESCRIPTION</b>
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEM
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602406-10	PRECAST MANHOLE TYPE A 6' (1.83 M) DIAMETER
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE TYPE 8
604091-03	FRAME AND GRATE TYPE 24
606001-07	COMBINATION CONCRETE CURB AND GUTTER
606201-04	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
664001-02	CHAIN LINK FENCE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTEN OR MOVING OPERATION FOR SPEEDS ± 45 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIUM
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNT DETAILS
720006-04	SIGN PANEL ERECT DETAILS
720011-01	METAL POSTS FOR SIGNS MARKERS AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
836001-04	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

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USER NAME = hassann DRAWN - PLOT SCALE = 100.0000' / in. PLOT DATE = 3/23/2020	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS &amp; HIGHWAY STANDARDS JOLIET ROAD AT 55TH ST.</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		3562	(430V-X)N	COOK	99	2				
	CHECKED -	REVISED -		CONTRACT NO. 60X71								
	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT

## GENERAL NOTES

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF MCCOOK, IL

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

ALL 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.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE RESIDENT ENGINEER SHALL CONTACT KYLIE VOGRIN, TRAFFIC FIELD ENGINEER, AT KYLIE.VOGRIN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

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

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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

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

THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL".

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

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

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 of the SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL NOTIFY MR. RICHARD WILLMAN FROM PACE, THE SUBURBAN BUS DIVISION OF THE RTA, AT (847) 228-3584 A MINIMUM OF 14 DAYS IN ADVANCE FOR THE REMOVAL OF THE IMPACTED BUS SHELTERS.

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	USER NAME = hassann	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES JOLIET ROAD AT 55TH ST.</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			3562	(430V-X)N	COOK	99	3	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60X71					
	PLOT DATE = 3/23/2020	DATE -	REVISED -			SCALE:		SHEET OF SHEETS		STA. TO STA.	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043	CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043
20200100	EARTH EXCAVATION	CU YD	937	937													
20200200	ROCK EXCAVATION	CU YD	24.5	24.5													
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400	400													
20400800	FURNISHED EXCAVATION	CU YD	1712	1712													
20800150	TRENCH BACKFILL	CU YD	49	49													
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	1100	1100													
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	900	900													
21101645	TOPSOIL FURNISH AND PLACE, 12"	SO YD	507	507													
* 25100115	MULCH, METHOD 2	ACRE	0.1	0.1													
* 25200110	SODDING, SALT TOLERANT	SO YD	6600	6600													
* 28000400	PERIMETER EROSION BARRIER	FOOT	1290	1290													
28000510	INLET FILTERS	EACH	22	22													
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	400	400													
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	7212	7212													
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	100	100													
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	35	35													
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	28480	28480													
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4272	4272													
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	9	9													
40701911	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 1 1/2"	SO YD	6330	6330													
42300600	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 10 INCH	SO YD	475	475													
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	2400	2400													
42400800	DETECTABLE WARNINGS	SO FT	24	24													
44000100	PAVEMENT REMOVAL	SO YD	8812	8812													
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	261	261													
44000300	CURB REMOVAL	FOOT	64	64													
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2550	2550													
44000600	SIDEWALK REMOVAL	SO FT	2250	2250													
44003100	MEDIAN REMOVAL	SO FT	380	380													
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SO YD	135	135													
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	2	2										2		REV-SEP	

\* SPECIALTY ITEM

FILE NAME =	USER NAME = hassam	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>		<b>JOLIET ROAD AND 55TH STREET INTERSECTION</b> <b>SUMMARY OF QUANTITIES</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dtd\illinois\p\DOT Documents\DOT	Offices\District\Projects\PI22112\CAD\Draw\Design\PI22112-11	DRAWN -	REVISED -					3562	(430-XIN)	COOK	99	4
		CHECKED -	REVISED -					CONTRACT NO. 60X71				
		DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

\* SPECIALTY ITEMS      △ NON-PARTICIPATING

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043	CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	80	80													
									* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	350	350				
55100500	STORM SEWER REMOVAL 12"	FOOT	19	19													
									* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1				
56101400	CAST IRON WATER MAIN 6"	FOOT	45	45													
									* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3				
56400100	FIRE HYDRANTS TO BE MOVED	EACH	2														
									63200310	GUARDRAIL REMOVAL	FOOT	323	323				
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	4580	4580													
									66400305	CHAIN LINK FENCE, 6'	FOOT	50	50				
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5	5													
									66407500	CHAIN LINK GATES, 6' X 10' DOUBLE	EACH	1	1				
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	2	2													
									* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	335	335				
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1													
									* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	6	6													
									* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3													
									* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				
60260100	INLETS TO BE ADJUSTED	EACH	7	7													
									* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	40	40				
60261000	INLETS TO BE ADJUSTED WITH NEW TYPE B GRATE	EACH	1	1													
									67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
60500050	REMOVING CATCH BASINS	EACH	3	3													
									67100100	MOBILIZATION	L SUM	1	1				
60500060	REMOVING INLETS	EACH	1	1													
									70107025	CHANGEABLE MESSAGE SIGN	CAL DA	210	210				
60600605	CONCRETE CURB, TYPE B	FOOT	65	65													
									70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	75	75				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2475	2475													

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\* SPECIALTY ITEM

FILE NAME =	USER NAME = hassam	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JOLIET ROAD AND 55TH STREET INTERSECTION SUMMARY OF QUANTITIES</b>	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dtd\illinois\gov\PI\DOT\Documents\DOT\Files\District\Projects\PI22\2\CAD\Draw\Design\PI22\2-sm	DRAWN -	REVISED -	3562			(430-XIN)	COOK	99	5	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	CONTRACT NO. 60X71							
PLOT DATE = 3/23/2020	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043	CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2													
									* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	115	115				
72000100	SIGN PANEL - TYPE 1	SO FT	22	22													
									* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	650	650				
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5													
									* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	140	140				
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5													
									78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	120	120				
72900100	METAL POST - TYPE A	FOOT	25	25													
									78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	20	20				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	75	75													
									78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	120	120				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8675	8675													
									72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	170	170													
									78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	75	75				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	9325	9325													
									* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	170	170													
									* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1			1		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	115	115													
									* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	824	556	268			
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	22500	22500													
									* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	62	62				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1450	1450													
									* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	398	263		135		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1075	1075													
									* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	266	266				
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2													
									* 81400100	HANDHOLE	EACH	6	6				
70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	6												REV-SEP	

\* SPECIALTY ITEM

FILE NAME =	USER NAME = hassam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		JOLIET ROAD AND 55TH STREET INTERSECTION SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dtd\illinois\gov\PI\DOT\Documents\DOT	Offices\District\Projects\PI\2212\CAD\Draw\Design\PI\2212-21	DRAWN -	REVISED -					3562	(430-XIN)	COOK	99	6
		CHECKED -	REVISED -					CONTRACT NO. 60X71				
		DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043	CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043
* 81400300	DOUBLE HANDHOLE	EACH	1	1													
* 81603090	UNIT DUCT, 600V, 3-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1372				1372										
* 81702170	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2/0	FOOT	117				117										
* 81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	393				393										
* 82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	13				13										
* 82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1				1										
* 83007500	LIGHT POLE, ALUMINUM, 35 FT. M.H., 12 FT. MAST ARM	EACH	7				7										
* 83057285	LIGHT POLE, WOOD, 50 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	2				2										
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	63				63										
* 83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	7				7										
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	2				2										
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	9				9										
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	9				9										
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1				1										
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1				1										
* 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1				1										
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1											
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1									1					
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2237										2237				
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	434									434					
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1079									702		377			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1671									1671					
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	737									737					
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	80									80					
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1009									1009					
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3									3					
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1									1					
* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1									1					
* 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 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	8.5									8.5					

REV-SEP

\* SPECIALTY ITEM

FILE NAME =	USER NAME = hassan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				JOLIET ROAD AND 55TH STREET INTERSECTION SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw\plnroom.dot\illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\P12212\Drawn\Design\P12212-shr-S00.dgn		CHECKED -	REVISED -									3562	(430-XIN)	COOK	99	7			
Default	PLOT DATE = 3/23/2020	DATE -	REVISED -	SCALE:				SHEET 4 OF 6 SHEETS				STA. TO STA.				[ILLINOIS] FED. AID PROJECT			

\* SPECIALTY ITEMS      △ NON-PARTICIPATING

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043	CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0004	SIGNAL 80% FED 20% STATE 0021	80% FED 20% STATE 0021 (INTERCONNECT)	LIGHTING & EVP 100% VILLAGE 0021	FIRE HYDRANT 100% VILLAGE 0043
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	4	4				* A2016616	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5					
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	4				* C2003248	SHRUB, HAMAMELIS VERNALIS (VERNAL WITCH HAZEL), 4' HEIGHT, BALLED AND BURLAPPED	EACH	12	12					
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	5				* C2005724	SHRUB, RHUS AROMATICA (FRAGRANT SUMAC), 2" WIDTH, BALLED AND BURLAPPED	EACH	60	60					
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2				* D2001772	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	13	13					
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4	4				* K0029624	WEED CONTROL, TEASEL	GALLON	0.5	0.5					
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4	4				X0301797	GATE REMOVAL	EACH	2	2					
* 88600100	DETECTOR LOOP, TYPE I	FOOT	152	152				X0323716	ACCESS GATE, DOUBLE, 30 FOOT	EACH	1	1					
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2	2				* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	377			377			
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1				* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	200			200			
* 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2			2		X0325522	REINSTALLING EXISTING STEEL GATE ASSEMBLY	EACH	2	2					
* 89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1			1		X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	3350	3350					
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1709		1709			* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1				* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1				
* 89502380	REMOVE EXISTING HANDHOLE	EACH	9	9				X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3					
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	1				X5164000	DRILLED SHAFT IN ROCK (SPECIAL)	CU YD	2.1		2.1				
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5	5													

REV-SEP

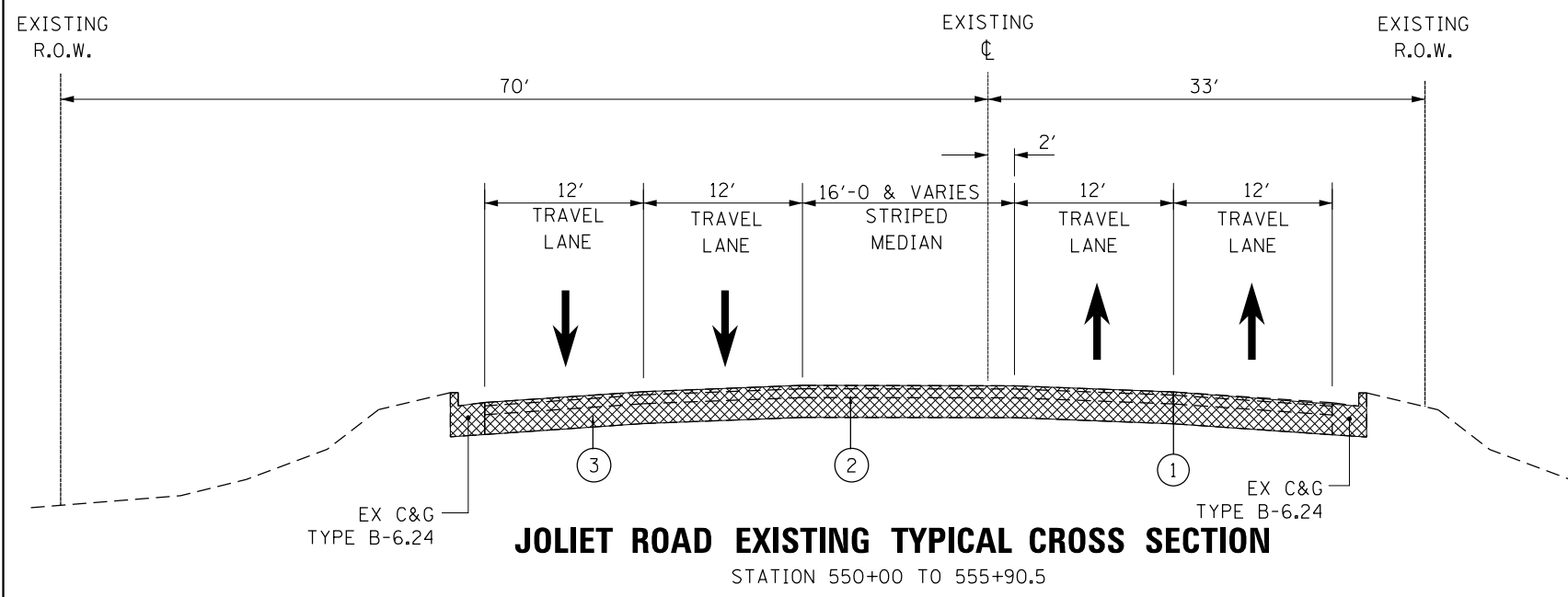
\* SPECIALTY ITEM

FILE NAME =	USER NAME = hassan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		JOLIET ROAD AND 55TH STREET INTERSECTION SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\Drawings\Design\P122112-shr-500.dgn		CHECKED -	REVISED -					3562	(430-XIN)	COOK	99	8
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			SCALE:		SHEET 5 OF 6 SHEETS		STA.	TO STA.	
	PLOT DATE = 3/23/2020									ILLINOIS FED. AID PROJECT		

\* SPECIALTY ITEMS      △ NON-PARTICIPATING

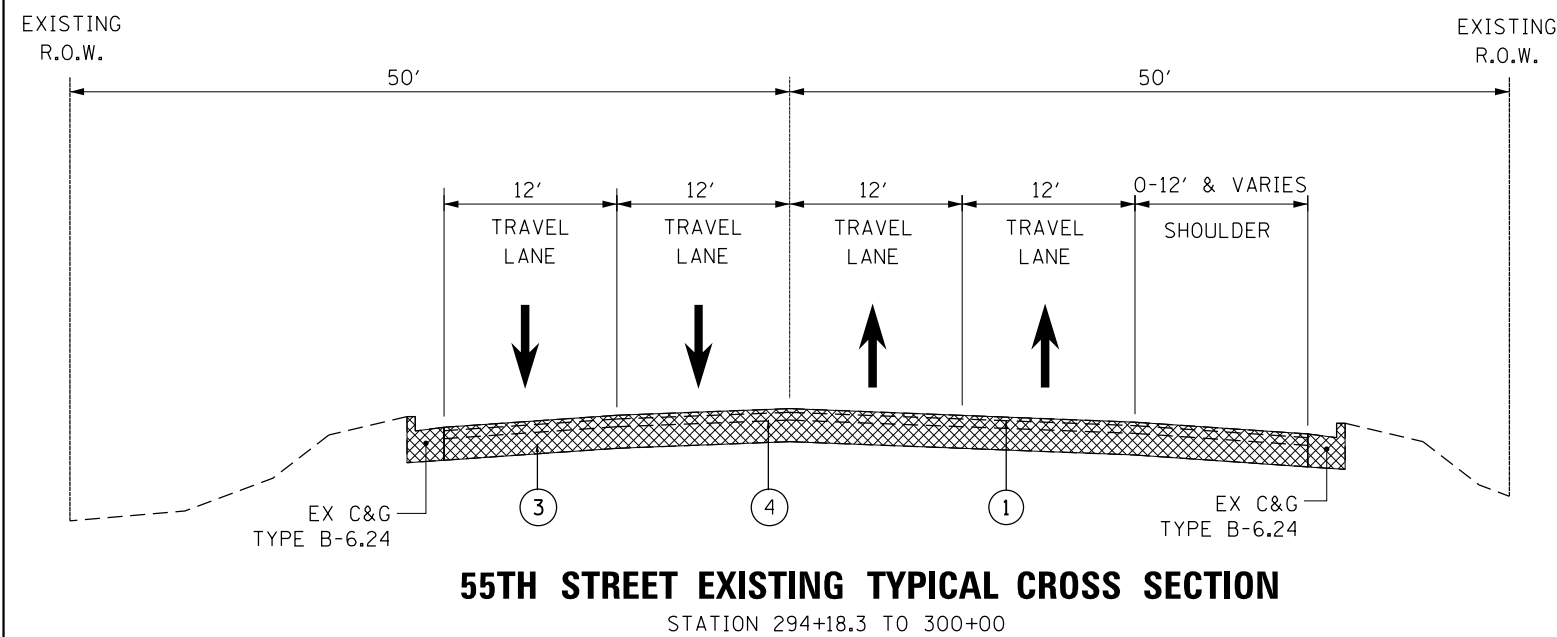






- LEGEND**
- ① EXISTING HMA SURFACE COURSE, 1 1/2"
  - ② EXISTING HMA BINDER COURSE, ±4"
  - ③ EXISTING PCC PAVEMENT, 9"
  - ④ EXISTING HMA BINDER COURSE, ±3 1/4"
  - ⑤ PROPOSED HMA PAVEMENT (FULL DEPTH), 11 1/2"
  - ⑥ AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - ⑦ PIPE UNDERDRAIN 4" (TO CONNECT TO DRAINAGE STRUCTURE)

EXISTING PAVEMENT TO BE REMOVED

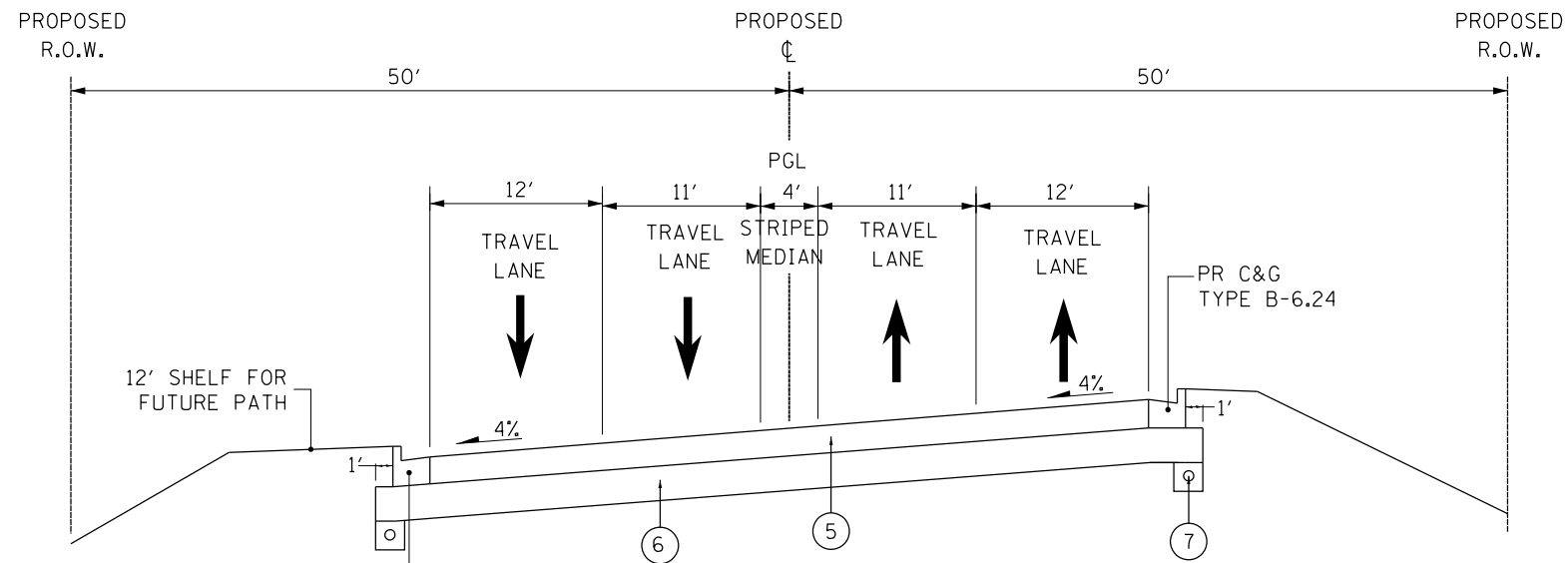


MIXTURE REQUIREMENTS		VOIDS © Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES			
<b>HMA PAVEMENT (FULL-DEPTH), 11 1/2"</b>			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80 - 2"	3.5% AT 80 GYR.		<b>QC/QA</b>
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 - 2 1/4"	4% AT 90 GYR.		<b>QC/QA</b>
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 - 7 1/4"	4% AT 90 GYR.		<b>QCP</b>
<b>TEMPORARY PAVEMENT</b>			
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 11"	4% AT 70 GYR.		<b>QC/QA</b>
<b>DRIVEWAY</b>			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"	4% AT 50 GYR.		<b>QC/QA</b>
HOT-MIX ASPHALT BASE COURSE, 8"	4% AT 50 GYR.		<b>QC/QA</b>

QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)

- NOTE:**
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN
  2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

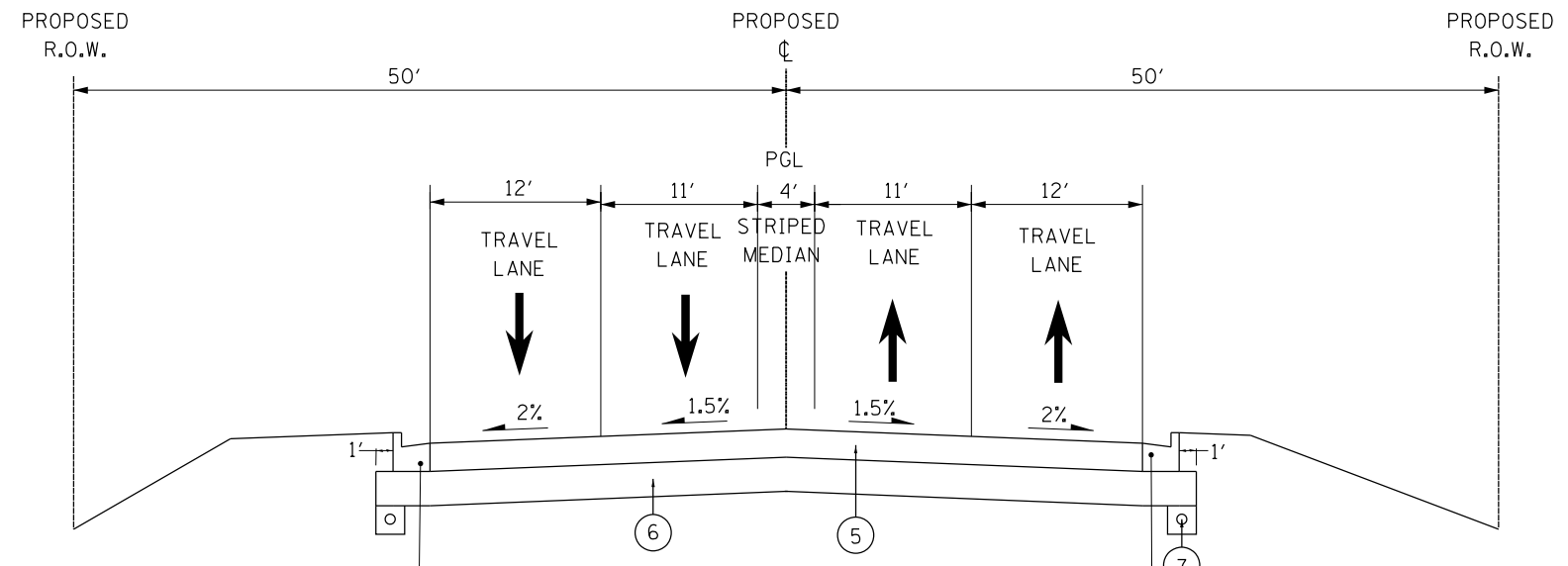
- TEMP. PAVEMENT NOTE:  
(CONTRACTOR OPTION)**
1. PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENT OF ART. 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 9". TEMP PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.



**SUPERELEVATED PROPOSED TYPICAL CROSS SECTION**  
STATION 297+00 TO 303+00

**LEGEND**

- ① EXISTING HMA SURFACE COURSE, 1 1/2"
- ② EXISTING HMA BINDER COURSE, ±4"
- ③ EXISTING PCC PAVEMENT, 9"
- ④ EXISTING HMA BINDER COURSE, ±3 1/4"
- ⑤ PROPOSED HMA PAVEMENT (FULL DEPTH), 11 1/2"
- ⑥ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑦ PIPE UNDERDRAIN 4" (TO CONNECT TO DRAINAGE STRUCTURE)



**NORMAL CROWN PROPOSED TYPICAL CROSS SECTION**  
STATION 294+18.3 TO 296+00  
STATION 304+00 TO 305+63.2

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL CROSS SECTIONS JOLIET ROAD AT 55th STREET</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\P122112\DRAWING\Design\P122112-shr-typical.dgn		CHECKED -	REVISED -		3562	(430V-XIN)	COOK	99	11			
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		CONTRACT NO. 60X71							
	PLOT DATE = 3/23/2020				ILLINOIS FED. AID PROJECT							

# EARTHWORK SCHEDULE

JOLIET ROAD AT 55TH STREET	EARTH EXCAVATION (CU. YD.)	TOP SOIL EXCAVATION (CU. YD.)	USED AS TOP SOIL (SHRINKAGE 15%) (CU. YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU. YD.)	EMBANKMENT (CU. YD.)	TOP SOIL PLACEMENT (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	TOP SOIL BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
STAGE I	692.60	845.55	718.72	588.71	803.69	412.57	-214.99	+306.15
STAGE II	244.40	53.35	45.35	207.74	1369.43	520.23	-1161.69	-474.88
<b>TOTAL</b>	936.99	898.90	764.07	796.44	2173.12	932.80	-1376.68	-168.73

## PIPE UNDERDRAINS

INSTALL LOCATIONS	OFFSET/SIDE (FEET)
STA. 294+18.3 TO STA. 305+63.2	± 25' LT
STA. 294+18.3 TO STA. 305+63.2	± 25' RT

**NOTES:**

- "TOPSOIL EXCAVATION AND PLACEMENT" WILL BE MEASURED FOR PAYMENT BASED ON THE TOTAL VOLUME OF TOPSOIL EXCAVATED. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF THE WASTE TOPSOIL FROM THE PROJECT SITE. THIS WORK, IN ACCORDANCE WITH THE STANDARD SPECIFICATION, IS INCLUDED IN THE PAY ITEM "TOPSOIL EXCAVATION AND PLACEMENT."
  - THE ROADWAY GEOTECHNICAL REPORT HAS IDENTIFIED NO POOR/SOFT SOILS FOR REMOVAL WITHIN THE LIMITS OF CONTRACT 60X71, WITH THE EXCEPTION OF THE AREA OF CONTRACTOR DESIGNED GROUND IMPROVEMENT.
- THE FOLLOWING PAY ITEMS AND QUANTITIES HAVE BEEN PROVIDED IN THE CONTRACT FOR USE AS DETERMINED BY THE ENGINEER IF POOR /SOFT SOILS ARE IDENTIFIED DURING CONSTRUCTION:
- 20201200: "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL" - 400 CY  
 30300001: "AGGREGATE SUBGRADE IMPROVEMENT" - 400 CY  
 21001000: "GEOTECHNICAL FABRIC FOR GROUND STABILIZATION" - 1,100 SY
- THE QUANTITY OF PAY ITEM 66900200: "NON-SPECIAL WASTE DISPOSAL" WILL REDUCE THE AMOUNT OF AVAILABLE EMBANKMENT MATERIALS. THE QUANTITY OF FURNISHED EXCAVATION HAS BEEN ADJUSTED TO REFLECT THIS.

PAY ITEM NO: 20400800: "FURNISHED EXCAVATION" QUANTITY WILL BE INCREASED BY THE QUANTITY OF PAY ITEM 66900200: "NON-SPECIAL WASTE DISPOSAL" WHICH IS 335 CY.

1,377 CY OF "FURNISHED EXCAVATION"  
 +335 CY OF "NON-SPECIAL WASTE DISPOSAL"  
 = 1,712 CY OF "FURNISHED EXCAVATION"

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

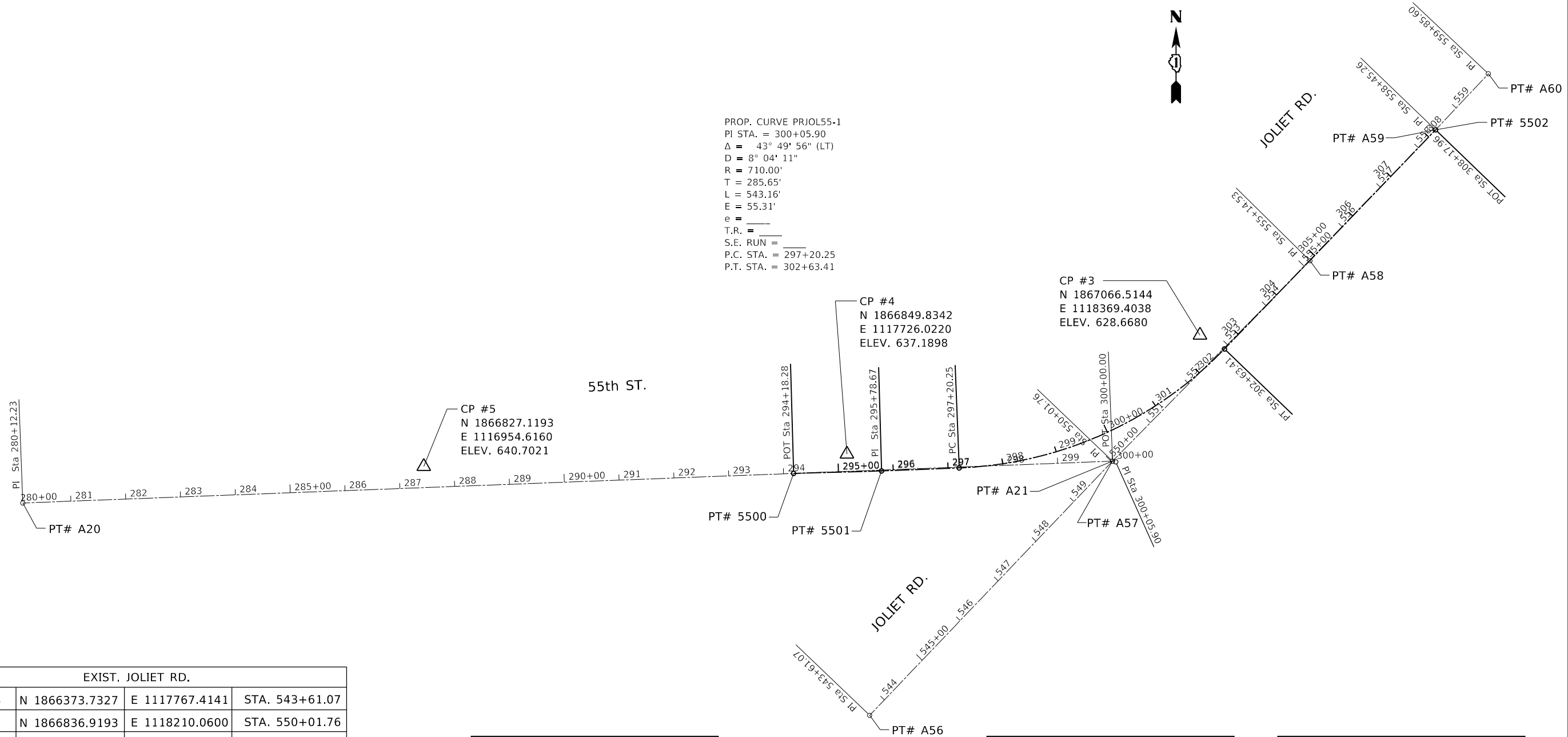
**JOLIET ROAD AT 55TH STREET  
SCHEDULE OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430-X)N	COOK	99	12
CONTRACT NO. 60X71				

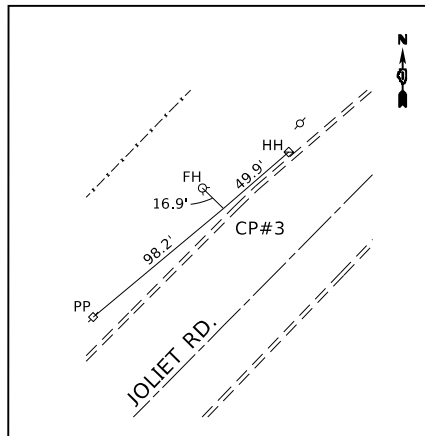
SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

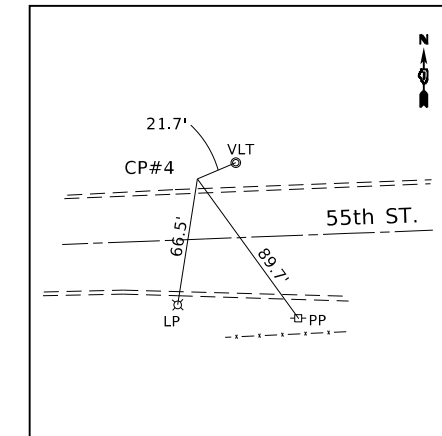
PROP. CURVE PRJOL55-1  
 PI STA. = 300+05.90  
 $\Delta = 43^\circ 49' 56''$  (LT)  
 $D = 8^\circ 04' 11''$   
 $R = 710.00'$   
 $T = 285.65'$   
 $L = 543.16'$   
 $E = 55.31'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 297+20.25$   
 $P.T. STA. = 302+63.41$



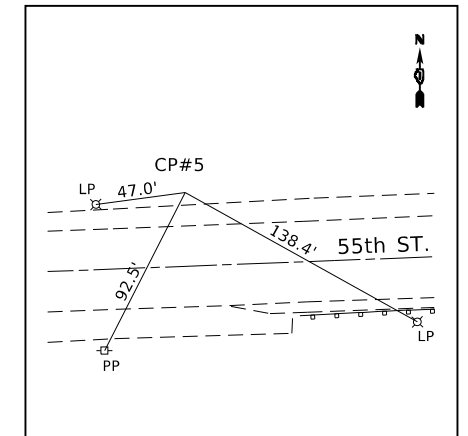
EXIST. JOLIET RD.			
PT# A56	N 1866373.7327	E 1117767.4141	STA. 543+61.07
PT# A57	N 1866836.9193	E 1118210.0600	STA. 550+01.76
PT# A58	N 1867202.0533	E 1118570.0804	STA. 555+14.53
PT# A59	N 1867440.7705	E 1118798.9866	STA. 558+45.26
PT# A60	N 1867542.9212	E 1118895.2096	STA. 559+85.60
EXIST. 55th STREET			
PT# A20	N 1866760.6431	E 1116223.7535	STA. 280+12.23
PT# A21	N 1866836.9193	E 1118210.0600	STA. 300+00.00
PROP. 55th STREET			
PT# 5500	N 1866814.5970	E 1117628.7654	STA. 294+18.28
PT# 5501	N 1866819.1074	E 1117789.0873	STA. 295+78.67
PC CURVE 1	N 1866824.6189	E 1117930.5661	STA. 297+20.25
PI CURVE 1	N 1866835.7384	E 1118215.9989	STA. 300+05.90
PT CURVE 1	N 1867041.4355	E 1118414.2015	STA. 302+63.41
PT# 5502	N 1867440.7705	E 1118798.9866	STA. 308+17.96



CP #3  
 N 1867066.5144  
 E 1118369.4038  
 ELEV. 628.6680



CP #4  
 N 1866849.8342  
 E 1117726.0220  
 ELEV. 637.1898



CP #5  
 N 1866827.1193  
 E 1116954.6160  
 ELEV. 640.7021

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -
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Default	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2020	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES  
 JOLIET ROAD AT 55th STREET

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

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	13
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

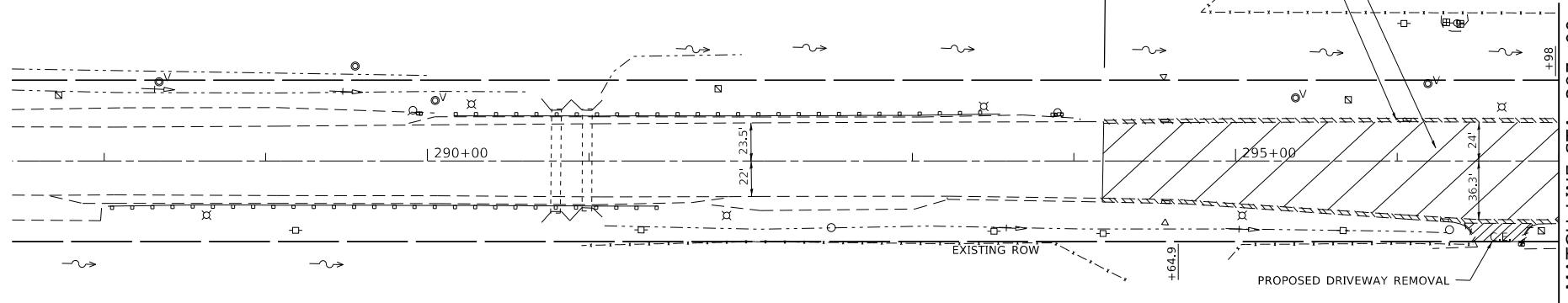




55th ST.

PROJECT LIMIT  
STA. 294 + 18.3

PROPOSED PAVEMENT REMOVAL  
CURB & CUTTER REMOVAL

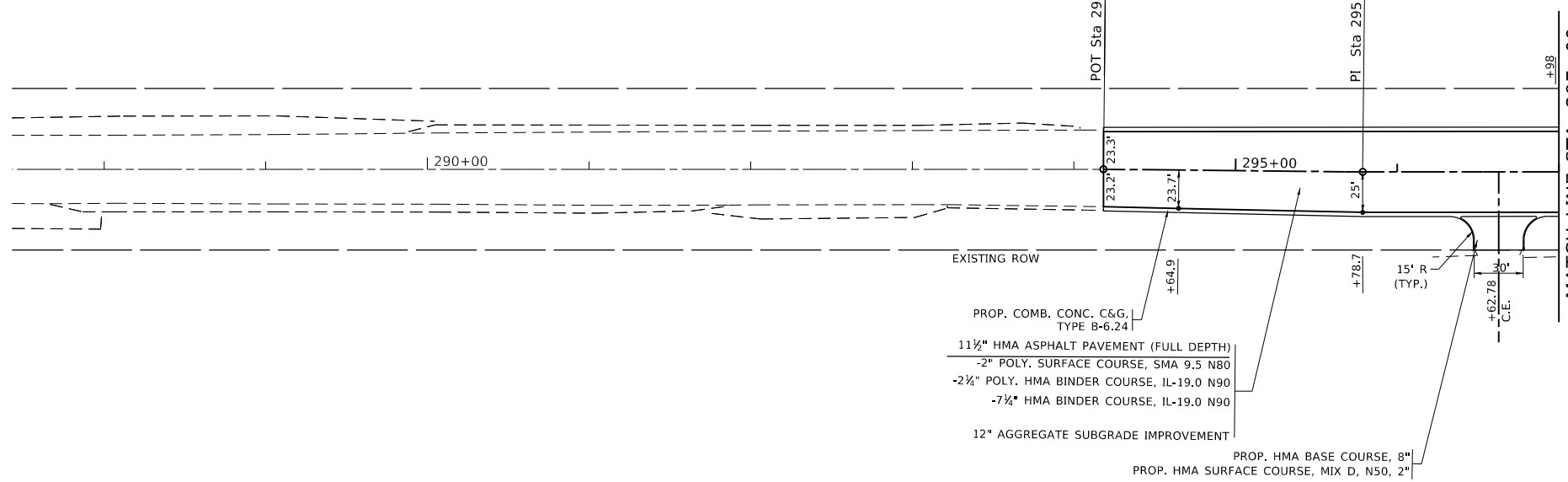


55th ST.

PROJECT LIMIT  
STA. 294 + 18.3

POT Sta 294+18.28

PI Sta 295+78.67



PROP. COMB. CONC. C&G, TYPE B-6.24

1 1/2" HMA ASPHALT PAVEMENT (FULL DEPTH)

-2" POLY. SURFACE COURSE, SMA 9.5 N80

-2 1/4" POLY. HMA BINDER COURSE, IL-19.0 N90

-7 1/4" HMA BINDER COURSE, IL-19.0 N90

12" AGGREGATE SUBGRADE IMPROVEMENT

PROP. HMA BASE COURSE, 8"

PROP. HMA SURFACE COURSE, MIX D, N50, 2"

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FILE: I:\data\p3\p3planroom.dwt Illinois.gov\PIWDOT\Documents\DOT Offices\Director\1\Projects\122112\CADD\Drawings\122112-shr-p3plan.dgn

USER NAME = hassann	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/23/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN  
JOLIET ROAD AT 55th STREET

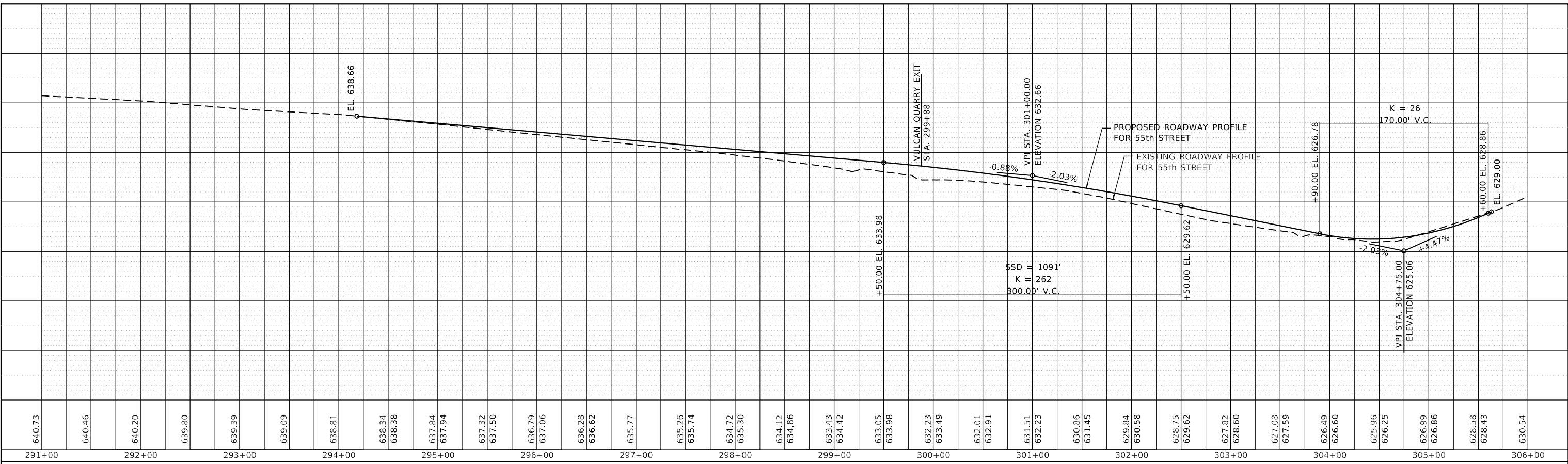
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(43V-X) N	COOK	99	15
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		

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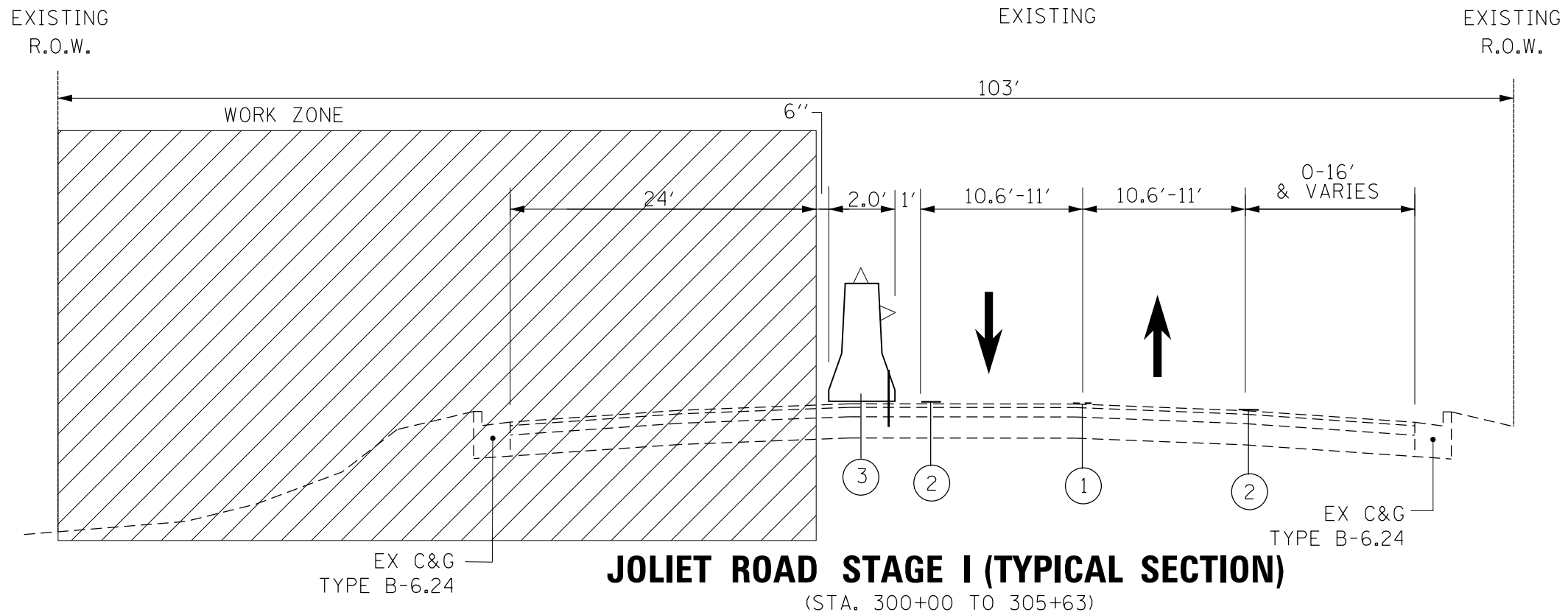
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PLOT DATE = 3/23/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

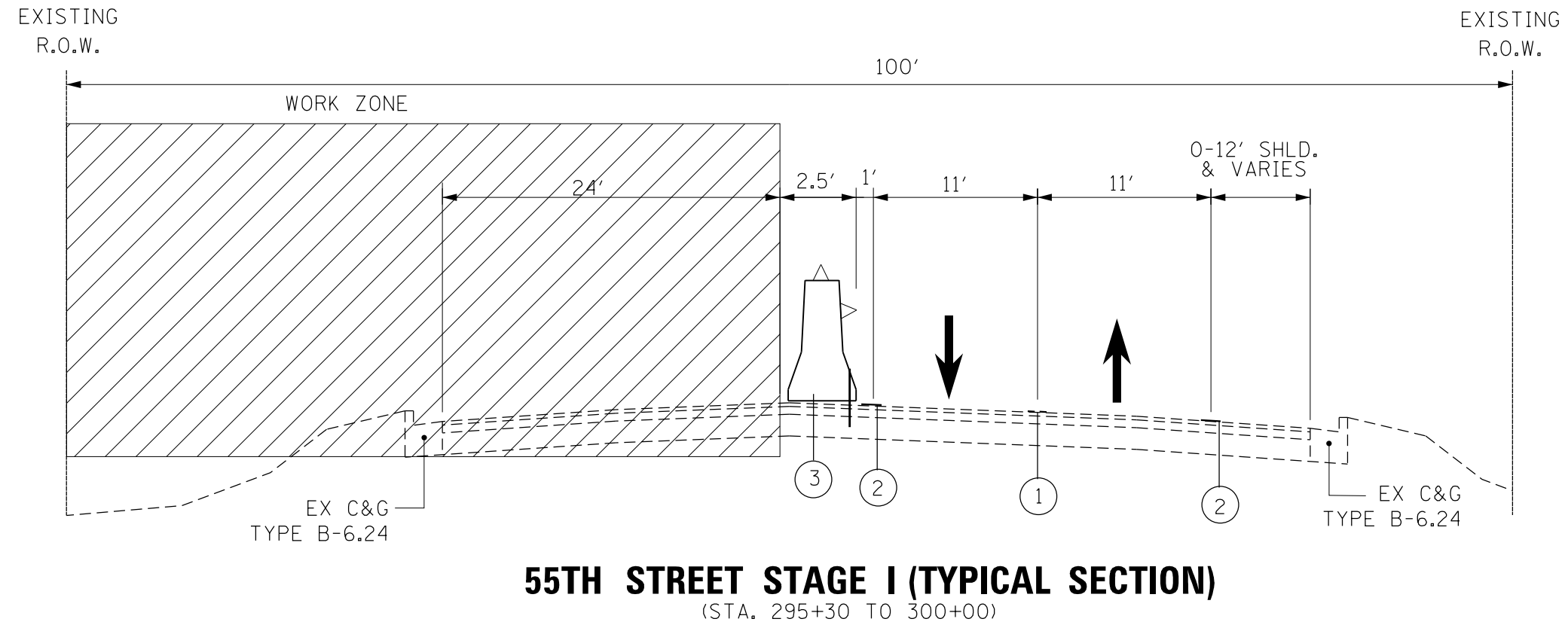
<b>ROADWAY PROFILE</b>			
<b>JOLIET ROAD AT 55th STREET</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(43V-X) N	COOK	99	16
CONTRACT NO. 60X71				
ILLINOIS		FED. AID PROJECT		



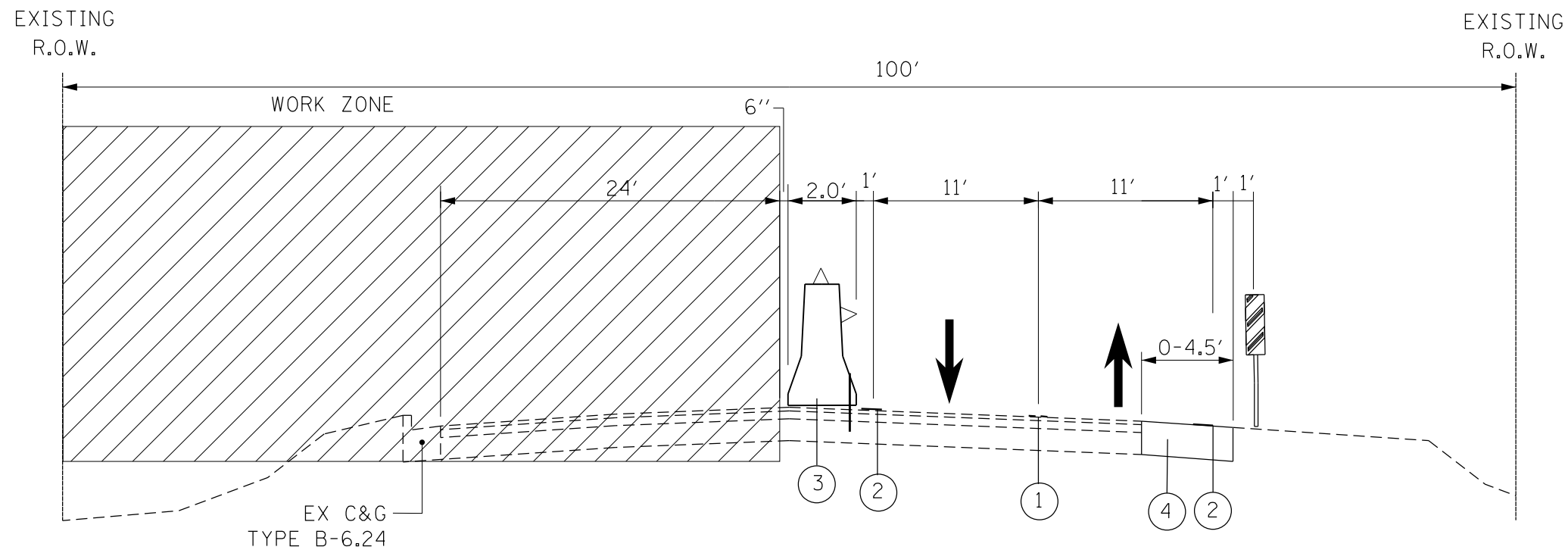


- LEGEND**
- ① TEMPORARY TAPE TYPE IV (DOUBLE YELLOW)
  - ② TEMPORARY TAPE TYPE IV (WHITE)
  - ③ TEMPORARY CONCRETE BARRIER (PINNED)
  - ④ FULL DEPTH TEMPORARY PAVEMENT (SEE NOTES)
  - ⑤ 2" POLY HMA SURFACE COURSE, SMA, 9.5, N80
  - ⑥ 2 1/4" POLY. HMA BINDER COURSE, IL-19, N90
  - ⑦ 7 1/4" HMA BINDER COURSE, IL-19.0, N90



- NOTES**
- FULL DEPTH TEMPORARY PAVEMENT
  - OPTION 1:  
11" HMA BINDER COURSE, IL-19.0, N70  
4" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)
  - OPTION 2:  
9" TEMPORARY PCC PAVEMENT  
4" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)
  - \*CONTRACTOR SHALL BACKFILL ALL EXCAVATED SITES FLUSH TO GRADE BEFORE ENDING WORKDAY.

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL CROSS SECTIONS JOLIET ROAD AT 55th STREET</b>				F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\DRAWING\Design\P122112-TYPICAL STAGESI&2		DRAWN -	REVISED -		3562	(430V-XIN)	COOK	99	17				
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60X71								
	PLOT DATE = 3/23/2020	DATE -	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	



### 55TH STREET STAGE I (TYPICAL SECTION)

(STA. 292+68 TO 295+30)

#### LEGEND

- ① TEMPORARY TAPE TYPE IV (DOUBLE YELLOW)
- ② TEMPORARY TAPE TYPE IV (WHITE)
- ③ TEMPORARY CONCRETE BARRIER (PINNED)
- ④ FULL DEPTH TEMPORARY PAVEMENT (SEE NOTES)
- ⑤ 2" POLY HMA SURFACE COURSE, SMA, 9.5, N80
- ⑥ 2 1/4" POLY. HMA BINDER COURSE, IL-19, N90
- ⑦ 7 1/4 HMA BINDER COURSE, IL-19.0, N90

#### NOTES

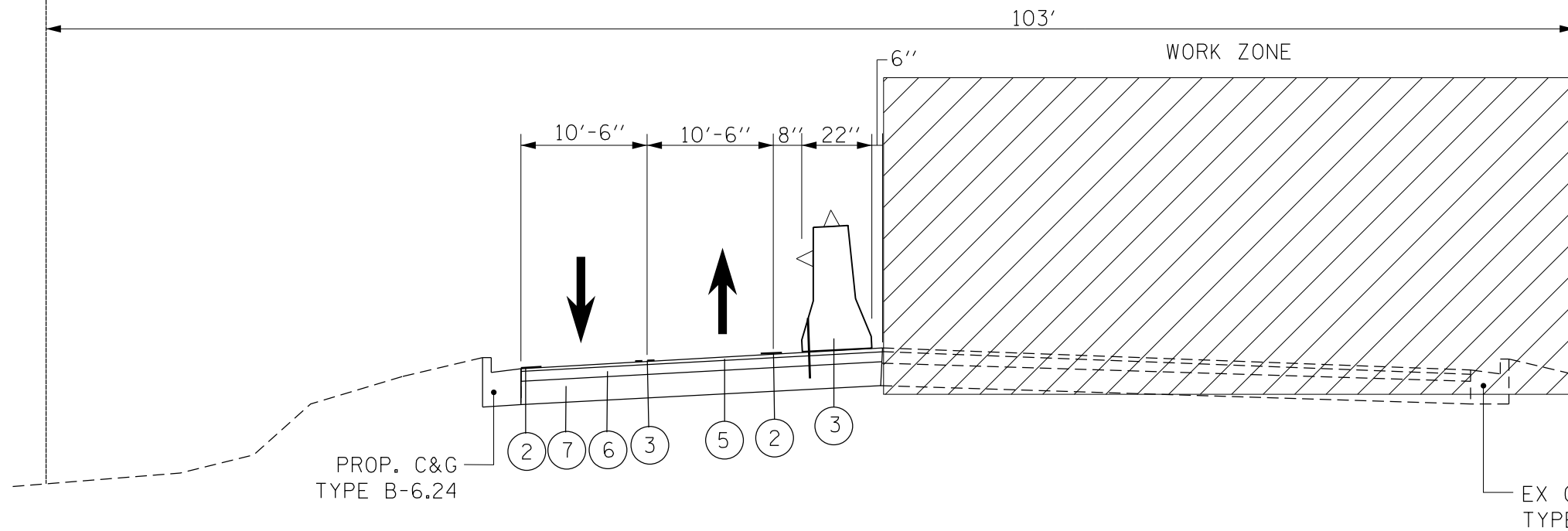
- FULL DEPTH TEMPORARY PAVEMENT
- OPTION 1:  
11" HMA BINDER COURSE, IL-19.0, N70  
4" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)
- OPTION 2:  
9" TEMPORARY PCC PAVEMENT  
4" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)
- CONTRACTOR SHALL BACKFILL ALL EXCAVATED SITES FLUSH TO GRADE BEFORE ENDING WORKDAY.

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL CROSS SECTIONS JOLIET ROAD AT 55th STREET</b>			F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\Drawings\Design\P122112-TYPICAL STAGES&E	DRAWN	REVISED -	REVISED -					3562	(430V-XIN)	COOK	99	18
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -					CONTRACT NO. 60X71				
	PLOT DATE = 3/23/2020	DATE -	REVISED -	SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

EXISTING  
R.O.W.

EXISTING

EXISTING  
R.O.W.



**JOLIET ROAD STAGE 2 (TYPICAL SECTION)**

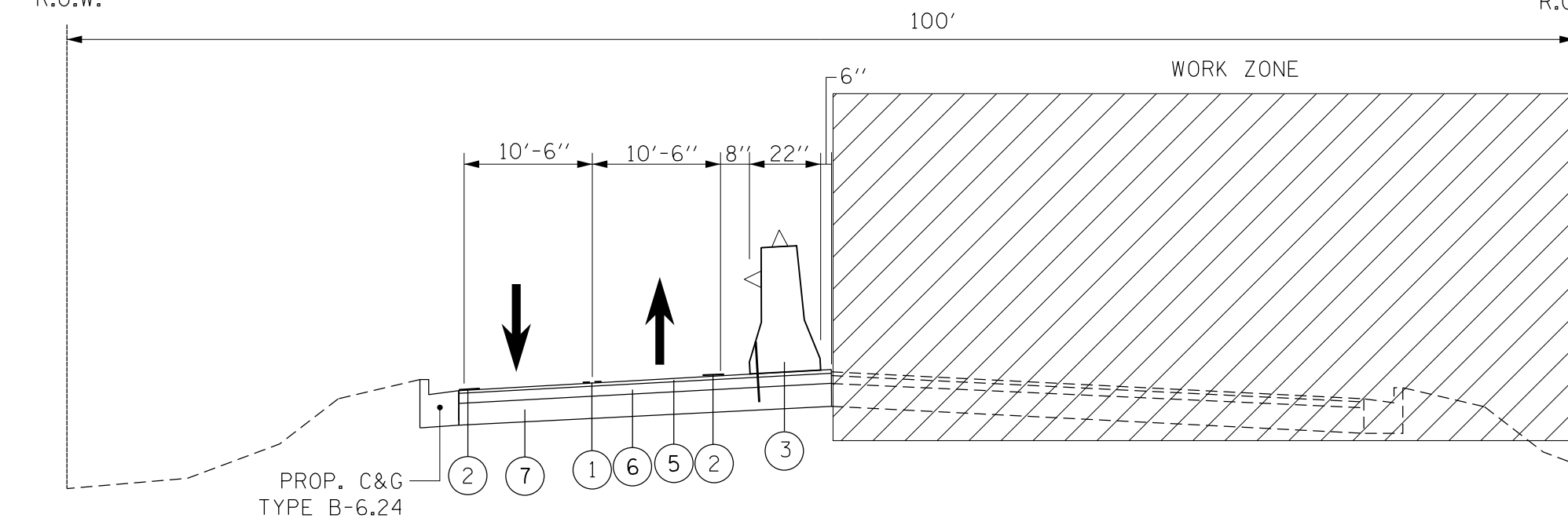
(STA. 300+00 TO 305+63)

**LEGEND**

- ① TEMPORARY TAPE TYPE IV (DOUBLE YELLOW)
- ② TEMPORARY TAPE TYPE IV (WHITE)
- ③ TEMPORARY CONCRETE BARRIER (PINNED)
- ④ FULL DEPTH TEMPORARY PAVEMENT (SEE NOTES)
- ⑤ 2" POLY HMA SURFACE COURSE, SMA, 9.5, N80
- ⑥ 2 1/4" POLY. HMA BINDER COURSE, IL-19, N90
- ⑦ 7 1/4" HMA BINDER COURSE, IL-19.0, N90

EXISTING  
R.O.W.

EXISTING  
R.O.W.

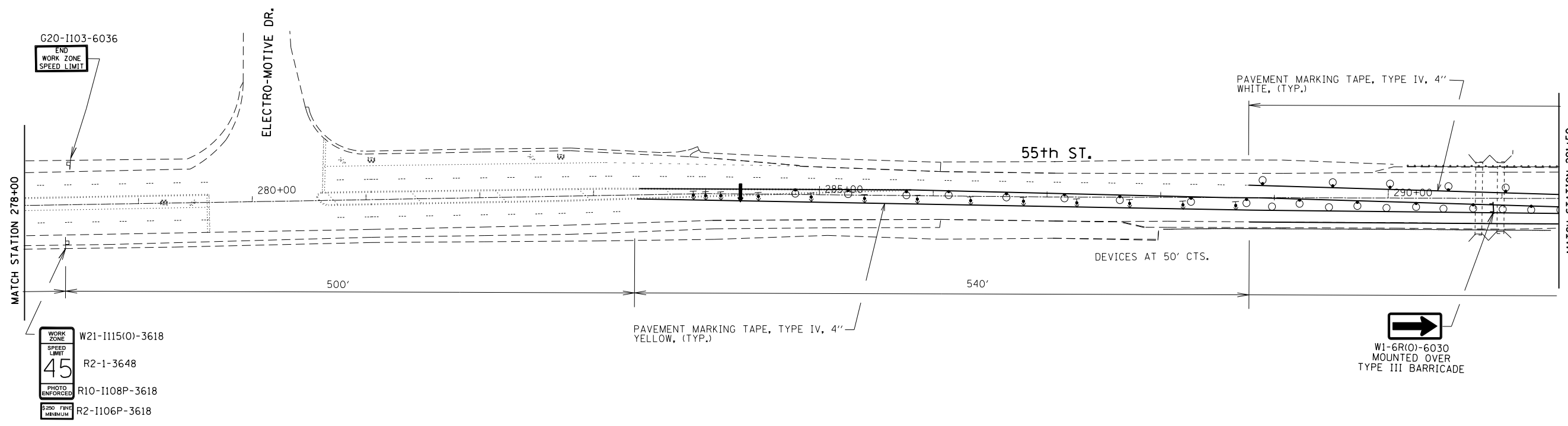


**55TH STREET STAGE 2 (TYPICAL SECTION)**

(STA. 292+68 TO 300+00)

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL CROSS SECTIONS JOLIET ROAD AT 55th STREET</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\Drawings\Design\P122112-TYPICAL STAGES&2		DRAWN -	REVISED -		3562	(430V-XIN)	COOK	99	19				
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60X71								
	PLOT DATE = 3/23/2020	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE: NONE	SHEET	OF	SHEETS	STA.	TO	STA.		





G20-1103-6036  
END WORK ZONE SPEED LIMIT

WORK ZONE SPEED LIMIT  
45  
PHOTO ENFORCED  
S20 FINE MINIMUM

W21-1115(O)-3618  
R2-1-3648  
R10-1108P-3618  
R2-1106P-3618

PAVEMENT MARKING TAPE, TYPE IV, 4" WHITE, (TYP.)

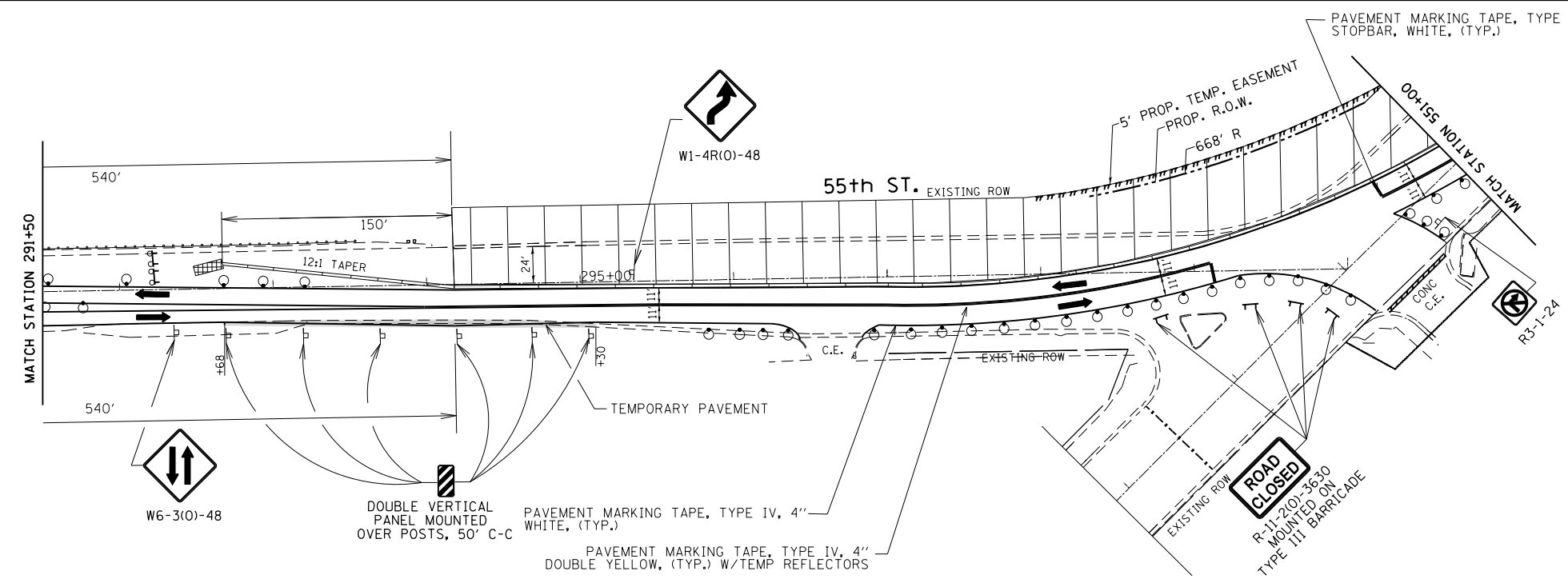
PAVEMENT MARKING TAPE, TYPE IV, 4" YELLOW, (TYP.)

DEVICES AT 50' CTS.

W1-6R(O)-6030 MOUNTED OVER TYPE III BARRICADE

### SYMBOLS

<p>↑ Arrow board</p> <p> Work area</p> <p>⌊ Sign</p>	<p> Drum with steady burn monodirectional light</p> <p>○ Drum</p> <p> Direction indicator barricade with steady burn monodirectional light</p>	<p> Temporary Concrete Barrier</p> <p> Type III barricade with flashing monodirectional lights</p> <p> Type III barricade</p>	<p> Impact attenuators, temporary (non-redirective), test level 3</p> <p> Impact attenuators, temporary (non-redirective, narrow), test level 3</p>
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PAVEMENT MARKING TAPE, TYPE IV, 24" STOPBAR, WHITE, (TYP.)

W1-4R(O)-48

55th ST. EXISTING ROW

5' PROP. TEMP. EASEMENT  
PROP. R.O.W.  
668' R

R3-1-24

W6-3(O)-48

DOUBLE VERTICAL PANEL MOUNTED OVER POSTS, 50' C-C

PAVEMENT MARKING TAPE, TYPE IV, 4" WHITE, (TYP.)

PAVEMENT MARKING TAPE, TYPE IV, 4" DOUBLE YELLOW, (TYP.) W/TEMP REFLECTORS

ROAD CLOSED  
R-11-21(O)-3630 MOUNTED ON TYPE III BARRICADE

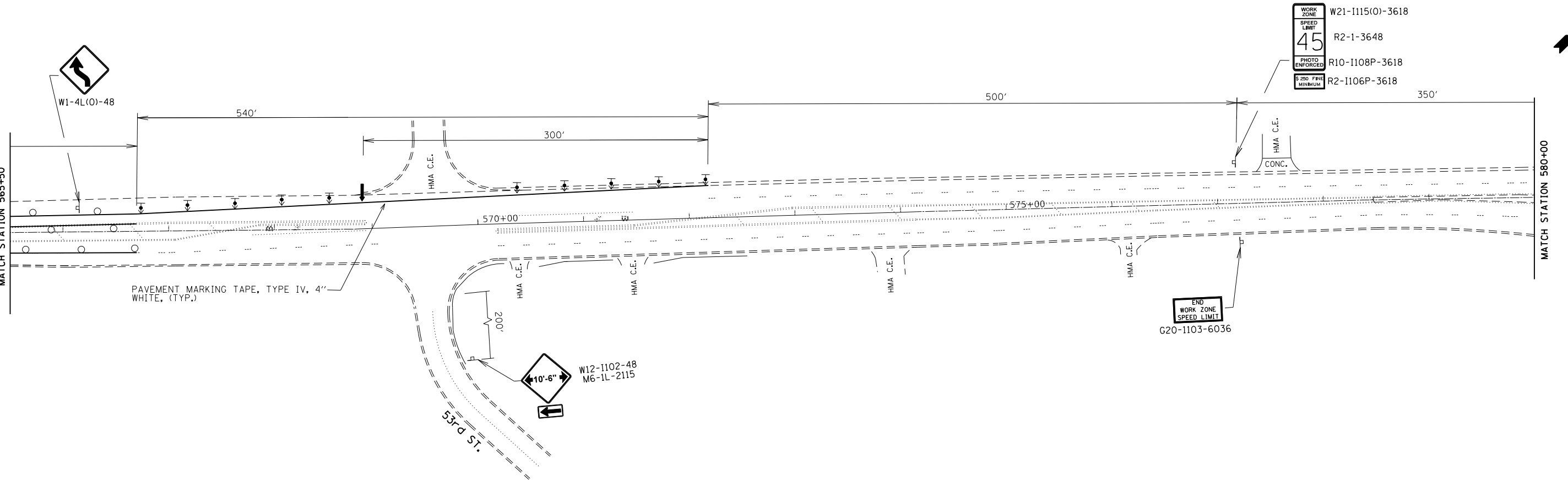
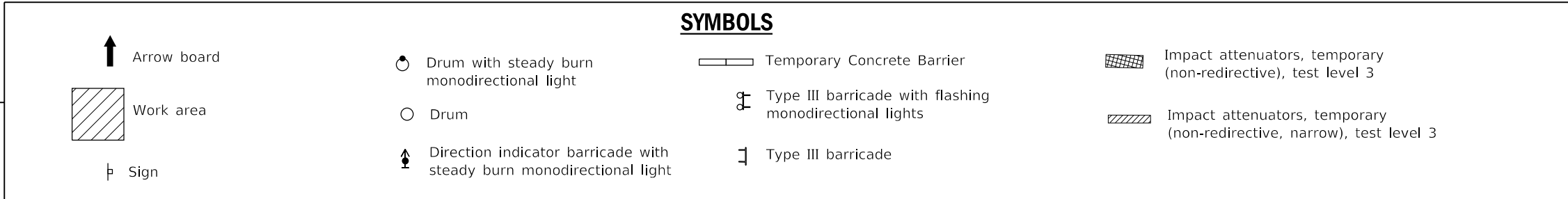
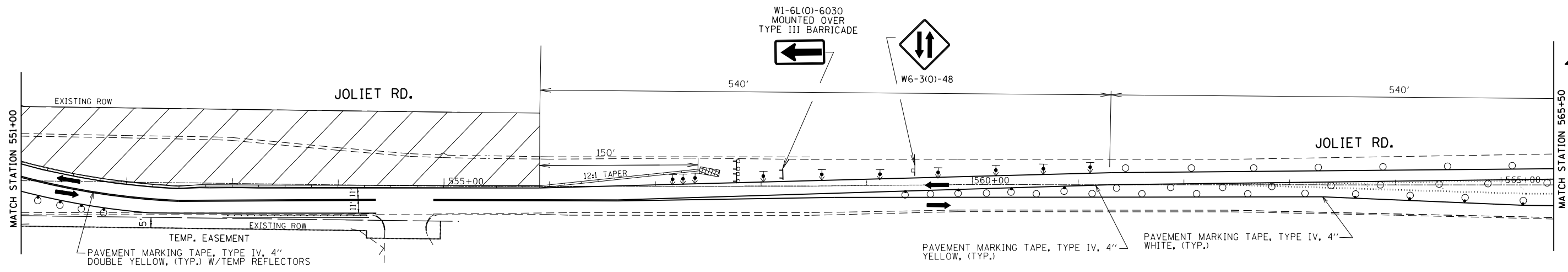
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	DRAWN -	REVISED -	
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PLOT DATE = 3/23/2020	DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>JOLIET ROAD AT 55TH STREET CONSTRUCTION STAGE I</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	21
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 3/23/2020	DATE -	REVISED -	

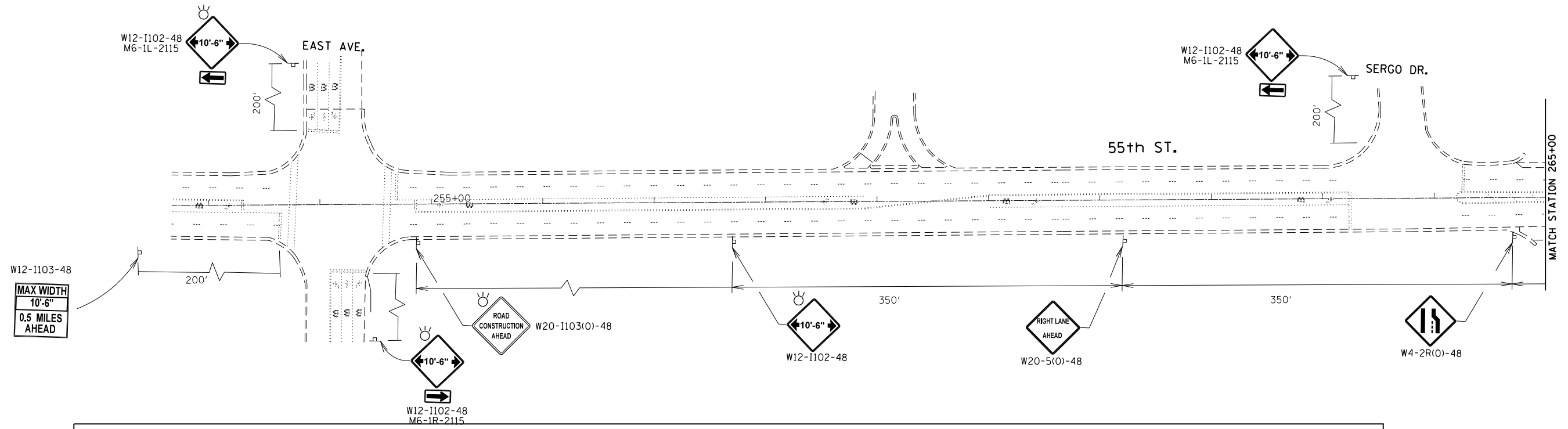
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**JOLIET ROAD AT 55TH STREET  
CONSTRUCTION STAGE I**

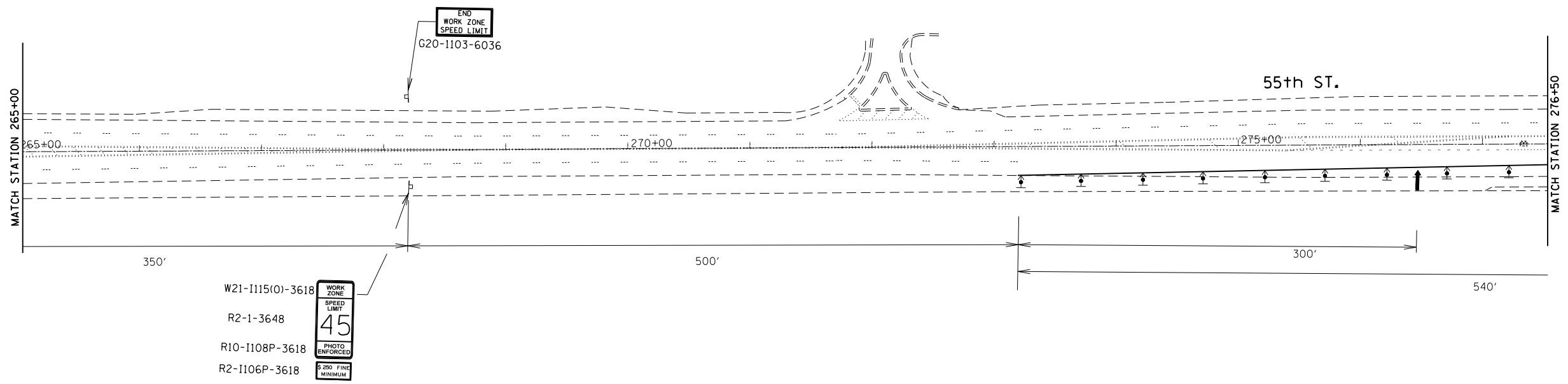
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	22
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				





SYMBOLS			
	Arrow board		Drum with steady burn monodirectional light
	Work area		Drum
	Sign		Direction indicator barricade with steady burn monodirectional light
			Temporary Concrete Barrier
			Type III barricade with flashing monodirectional lights
			Type III barricade
			Impact attenuators, temporary (non-redirective), test level 3
			Impact attenuators, temporary (non-redirective, narrow), test level 3



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USER NAME = hassan	DESIGNED -	REVISED -
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PLOT DATE = 3/23/2020	DATE -	REVISED -

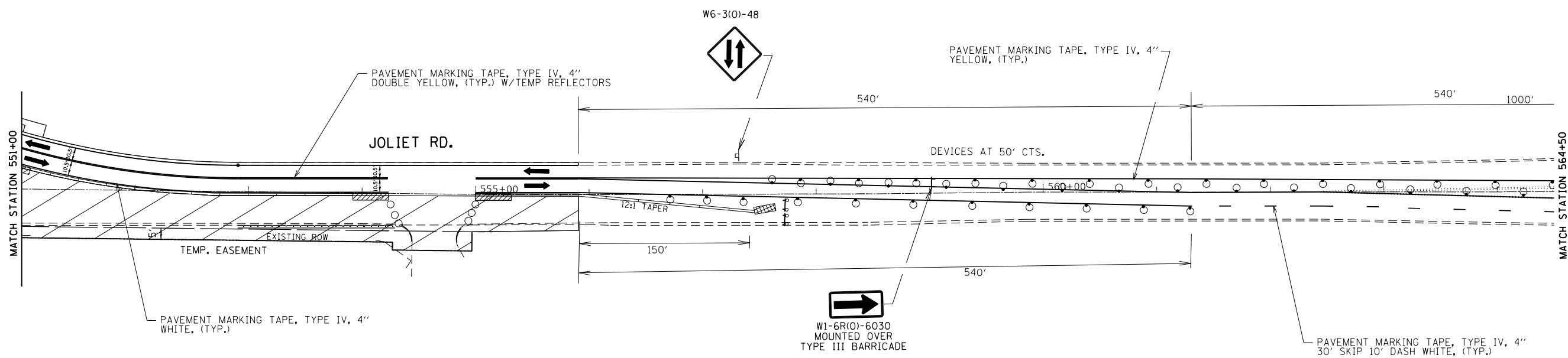
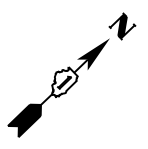
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>JOLIET ROAD AT 55TH STREET</b>			
<b>CONSTRUCTION STAGE II</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

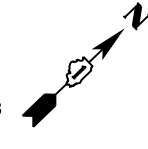
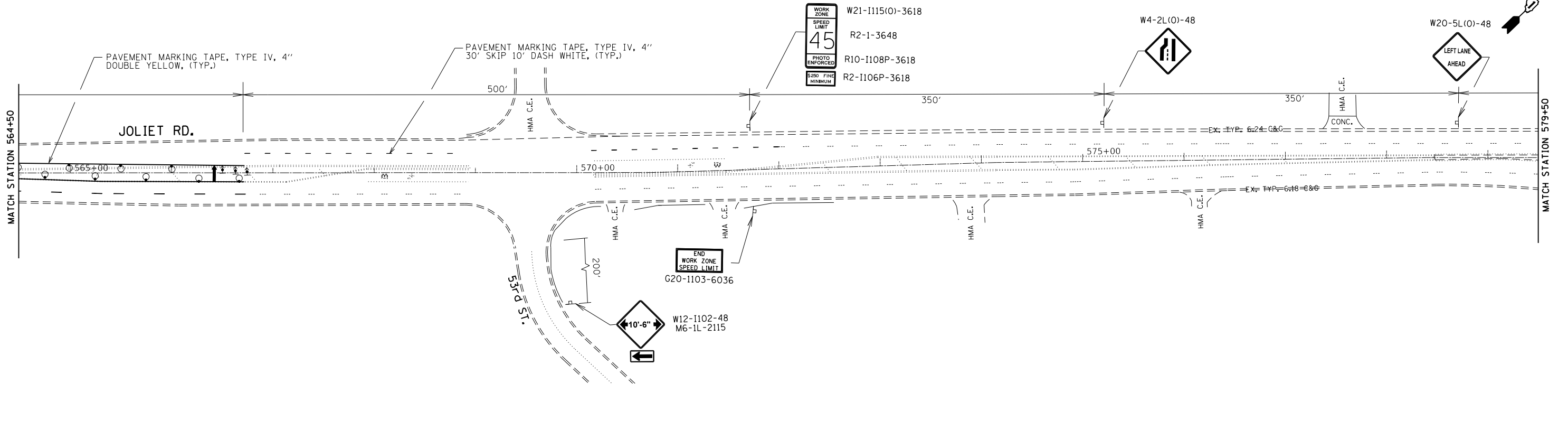
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3562	(430V-X)N	COOK	99	24
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				







SYMBOLS			
	Arrow board		Drum with steady burn monodirectional light
	Work area		Type III barricade with flashing monodirectional lights
	Sign		Type III barricade
			Temporary Concrete Barrier
			Impact attenuators, temporary (non-redirective), test level 3
			Impact attenuators, temporary (non-redirective, narrow), test level 3



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

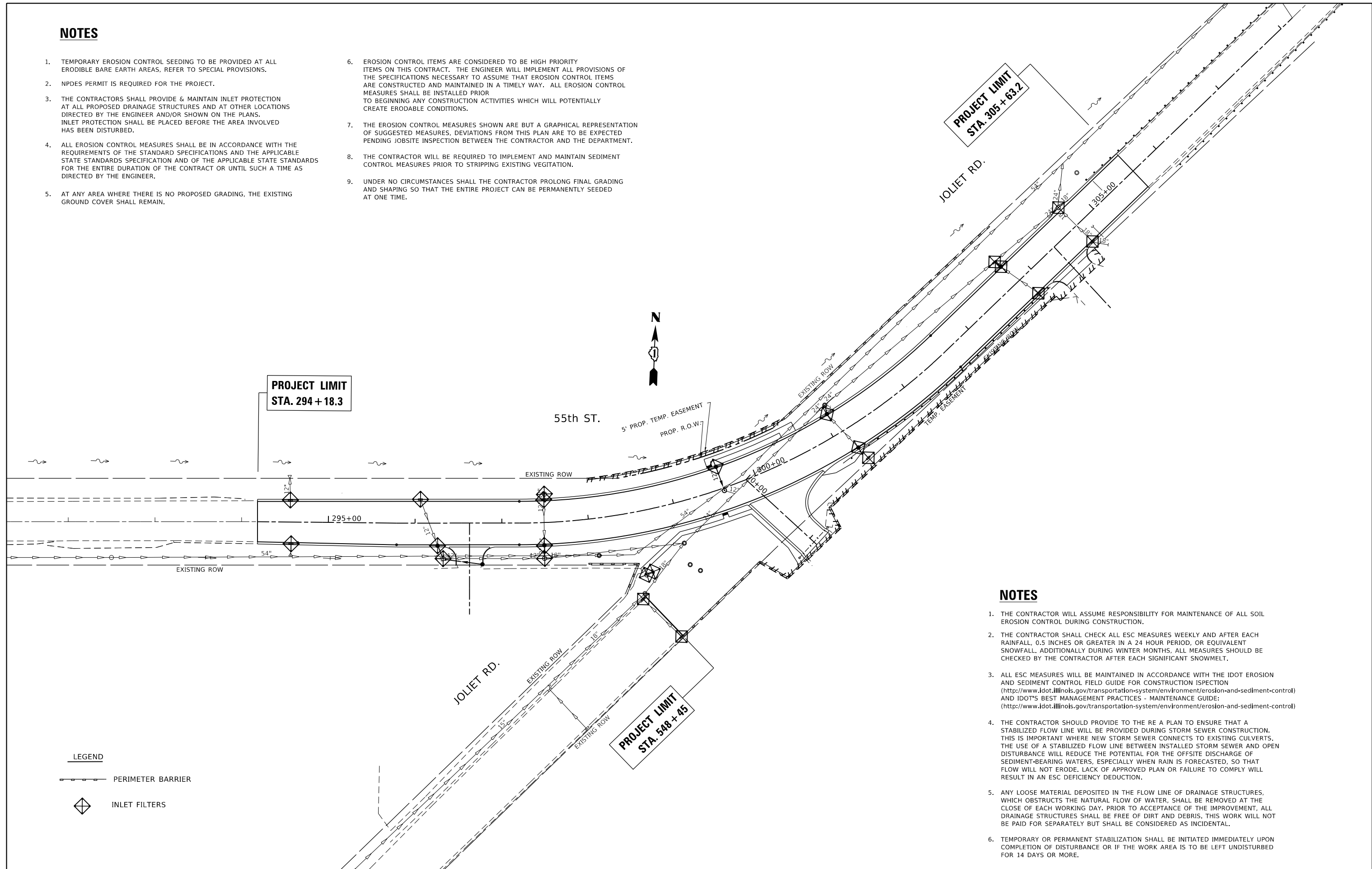
<b>JOLIET ROAD AT 55TH STREET</b> <b>CONSTRUCTION STAGE II</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	26
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				



**NOTES**

- TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
- NPDES PERMIT IS REQUIRED FOR THE PROJECT.
- THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED BEFORE THE AREA INVOLVED HAS BEEN DISTURBED.
- ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
- AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
- THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES, DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
- THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.



**NOTES**

- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL, ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION (<http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control>) AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (<http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control>)
- THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

**LEGEND**

- PERIMETER BARRIER
- INLET FILTERS

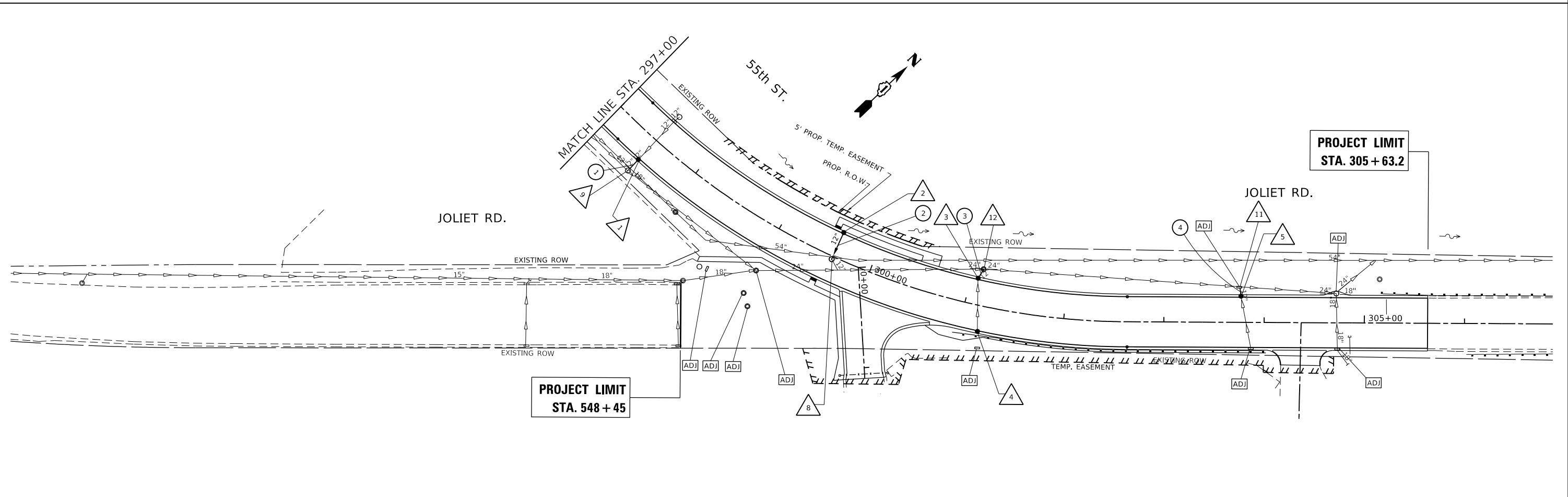
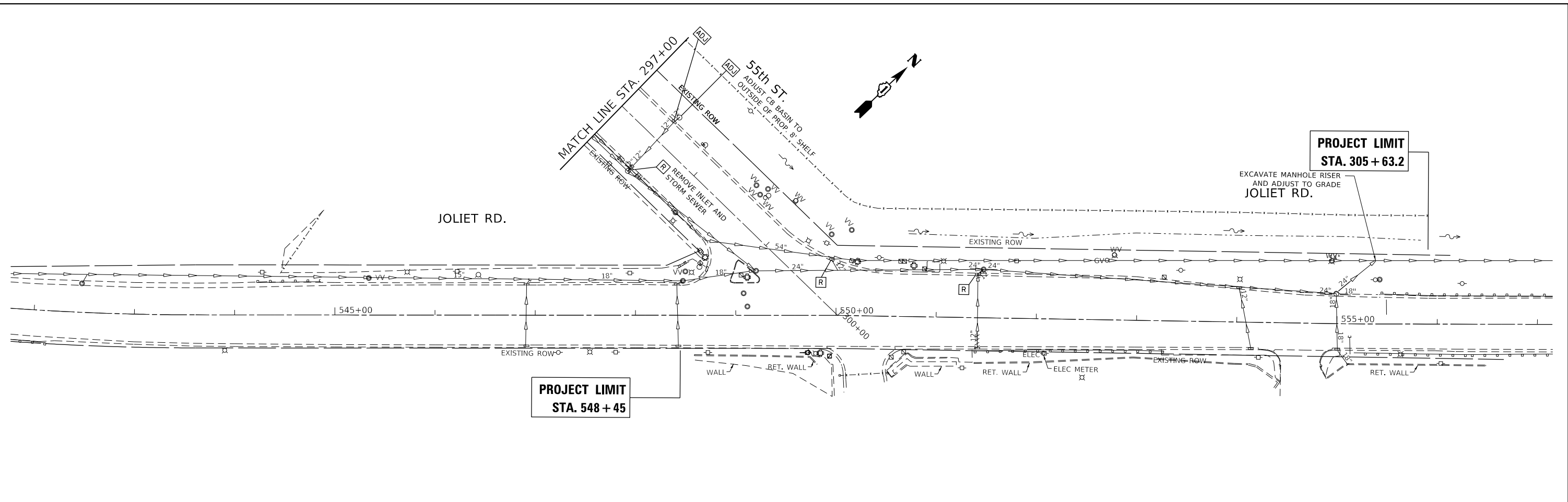
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/23/2020		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN  
JOLIET ROAD AT 55th STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	28
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				



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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
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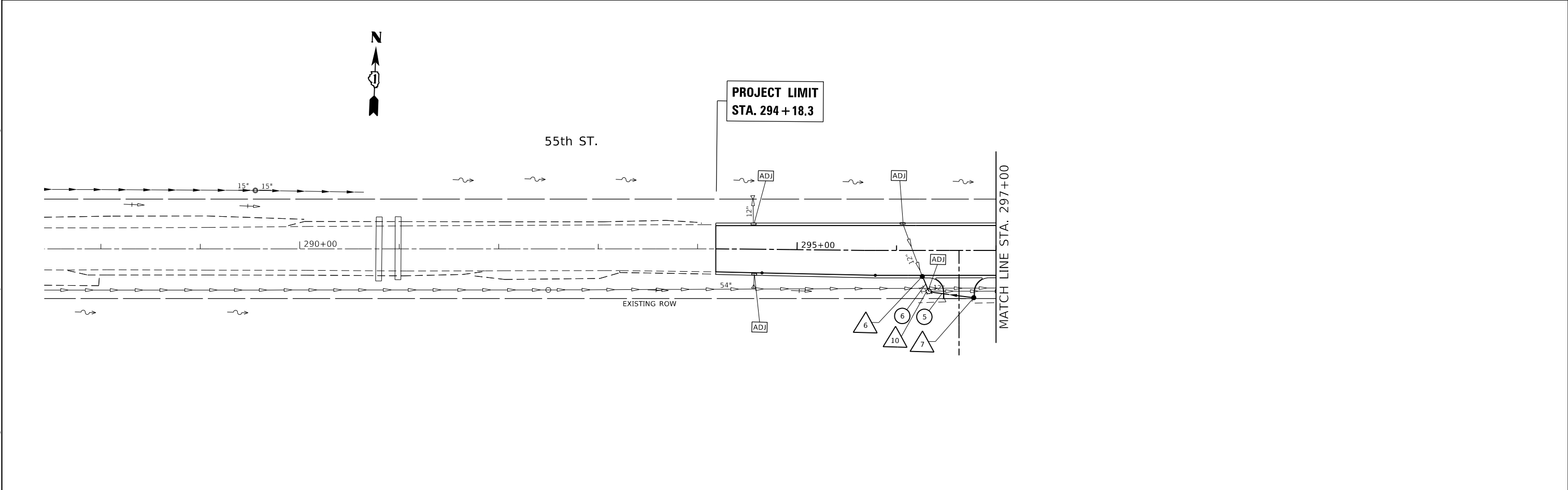
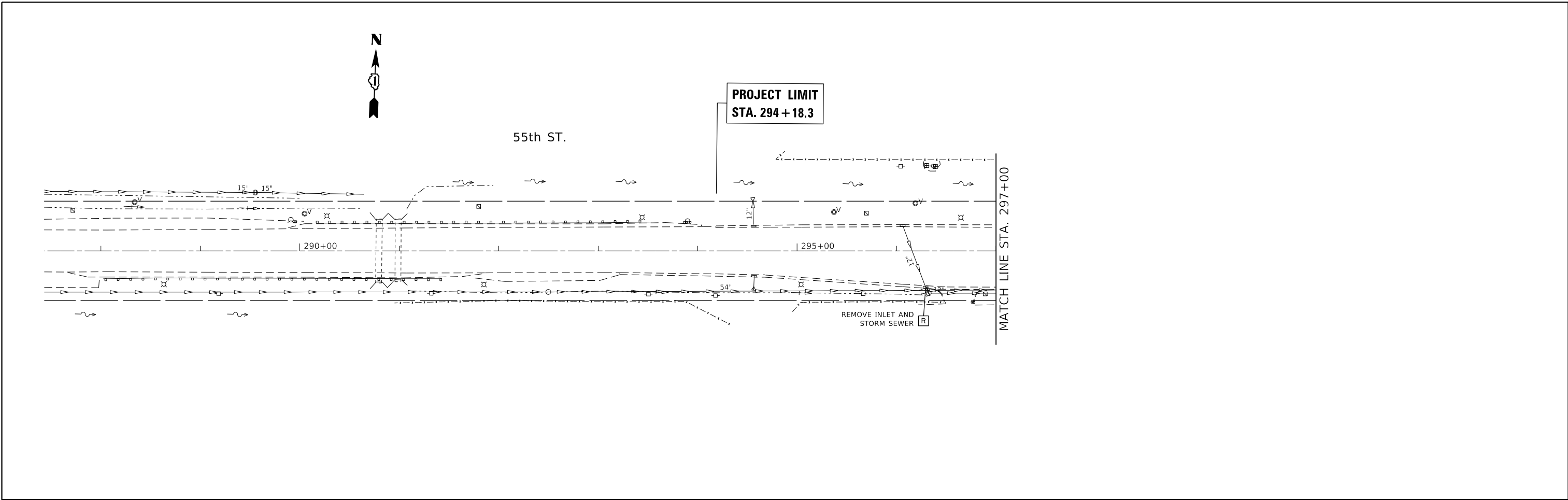
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE PLAN**  
**JOLIET ROAD AT 55th STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	29
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 3/23/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE PLAN  
 JOLIET ROAD AT 55th STREET**

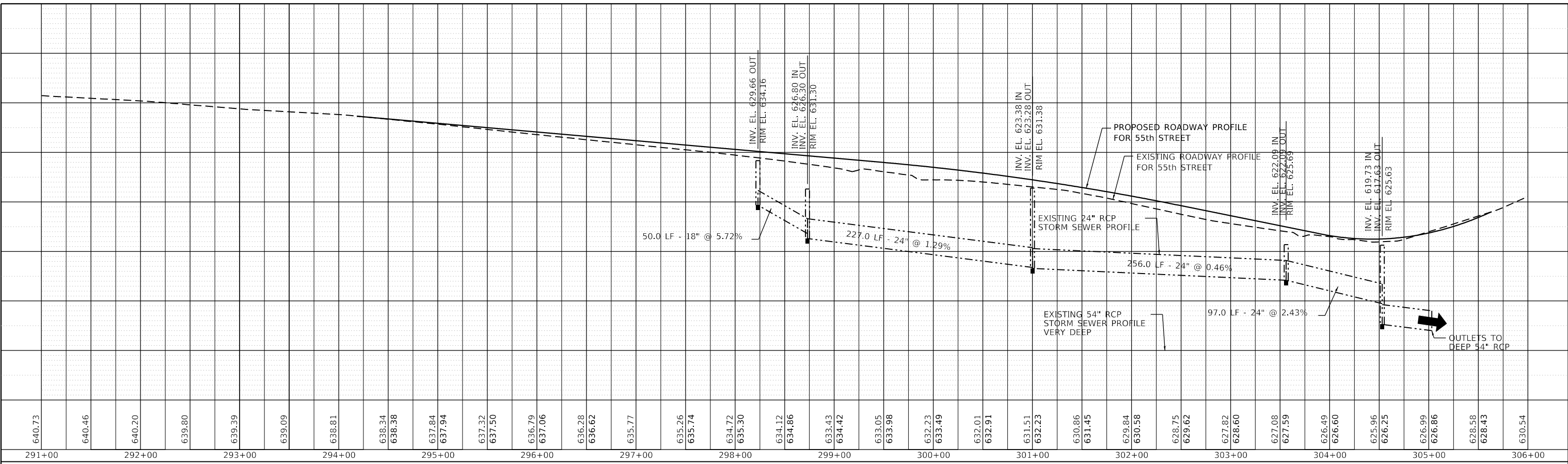
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	30
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CURVD		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CURVD		

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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/23/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE PROFILE</b>			
<b>JOLIET ROAD AT 55th STREET</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	31
CONTRACT NO. 60X71				
		ILLINOIS	FED. AID PROJECT	

① STA 297+48.8  
CATCH BASIN, TYPE A, 4' DIAMETER,  
TYPE 1 FRAME OPEN LID  
T.O.G.: 636.50  
N (12'') INV: 630.26 (EXISTING)  
S (12'') INV: 629.90 ①

⑤ STA 303+76.8  
CATCH BASIN, TYPE A, 4' DIAMETER,  
TYPE 1 FRAME OPEN LID  
T.O.G.: 626.62  
SE INV (12''): 622.63 (EXISTING)  
N (12'') INV: 622.20 ④

⑨ STA 297+48.8  
EXISTING MANHOLE  
ADJUST  
T.O.G.: MEET PROPOSED GRADE  
N (12'') INV: 629.66 ①  
W (12'') INV: 629.66 (EXISTING)  
E (18'') INV: 629.56 (EXISTING)

② STA 299+60.3  
CATCH BASIN, TYPE C, 4' DIAMETER,  
TYPE 1 FRAME OPEN LID  
T.O.G.: 633.77  
S (12'') INV: 630.77 ②

⑥ REMOVE INLET AND STORM SEWER  
STA 295+25.9  
CATCH BASIN, TYPE A, 4' DIAMETER,  
TYPE 1 FRAME OPEN LID  
T.O.G.: 636.79  
NW (12'') INV: 631.80 (EXISTING)  
SE (12'') INV: 631.25 ⑥

⑩ STA 296+32.6  
EXISTING MANHOLE  
ADJUST  
T.O.G.: MEET PROPOSED GRADE  
NW (12'') INV: 630.96 (EXISTING)  
E (12'') INV: 630.86 (EXISTING)  
SE (18'') INV: 632.88 ⑤

③ STA 301+07.3  
CATCH BASIN, TYPE A, 4' DIAMETER,  
TYPE 1 FRAME OPEN LID  
T.O.G.: 631.11  
SE INV: 626.47 (EXISTING)  
N INV: 625.56 ③

⑦ STA 296+62.78  
CATCH BASIN, TYPE C, 4' DIAMETER,  
TYPE 1 FRAME OPEN LID  
T.O.G.: 636.22  
W 12'' INV: 633.55 ⑤

⑪ STA 303+75.6  
EXISTING MANHOLE  
ADJUST  
T.O.G.: MEET PROPOSED GRADE  
SE (12'') INV: 622.09 ④  
E (24'') INV: 620.72 (EXISTING)  
W (24'') INV: 620.72 (EXISTING)

④ STA 301+18.2  
CATCH BASIN, TYPE A, 4' DIAMETER,  
TYPE 1 FRAME OPEN LID  
T.O.G.: 632.93  
SE (12'') INV: 627.63 (EXISTING)  
NW (12'') INV: 627.54 (EXISTING)

⑧ STA 299+60.3  
MANHOLES, TYPE A, 4' DIAMETER  
TYPE 1 FRAME, CLOSED LID  
T.O.G.: 633.98  
SE (12'') INV: 628.31 (EXISTING)  
N (12'') INV: 630.34 ②

⑫ STA 301+08.7  
EXISTING MANHOLE  
ADJUST  
T.O.G.: MEET PROPOSED GRADE  
S (12'') INV: 625.38 ③  
NE (24'') INV: 623.28 (EXISTING)  
SW (24'') INV: 623.38 (EXISTING)

① STORM SEWER, CLASS A, TYPE II, 12'', 15'

③ STORM SEWER, CLASS A, TYPE II, 12'', 11'  
(CONNECT TO EXISTING MANHOLE AT EXISTING INVERT)

⑤ CAST IRON WATER MAIN, 6'', 45'

② STORM SEWER, CLASS A, TYPE II, 12'', 29'

④ STORM SEWER, CLASS A, TYPE II, 12'', 9'

⑥ STORM SEWER, CLASS A, TYPE II, 12'', 16'

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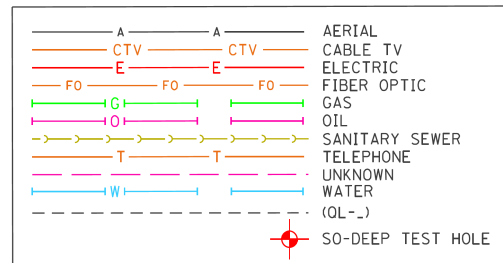
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED STRUCTURE AND PIPE LEGEND  
JOLIET ROAD AND 55TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	32
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				





**UTILITY OWNERS**

**NICOR GAS**  
 ATTN: BRUCE KOPPANG  
 1844 FERRY ROAD  
 NAPERVILLE, IL 60563  
 630-388-3046  
 bkoppang@southernco.com

**AT&T**  
 ATTN: STEVE LARSON  
 1000 COMMERCE DRIVE  
 OAK BROOK, IL 60523  
 630-573-6484  
 sl297l@att.com

**COMED**  
 ATTN: ANGELA HARRELL  
 COMED PUBLIC RELOCATION  
 LINCOLN CENTER ONE  
 630-576-6185  
 angea.harrell@comed.com

**COMCAST CABLE COMMUNICATIONS**  
 ATTN: ROBERT SCHULTER  
 688 INDUSTRIAL DRIVE  
 ELMHURST, IL 60126  
 224-229-5861  
 bob.schulter@cable.comcast.com

**VILLAGE OF MCCOOK**  
 ATTN: KEVIN LASCOLA  
 5000 GLENCOE AVE.  
 MCCOOK, IL 60525  
 708-477-9030 X632  
 kiascolavillageofmccook.org

**LEGEND**

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (OL-B) UNLESS OTHERWISE NOTED. OL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. OL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS. SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.

**ABBREVIATIONS:**

(OL-C) DEPICTED ACCORDING TO RECORD INFORMATION AND EXISTING ASSOCIATED UTILITY STRUCTURES, NO ELECTRONIC INFORMATION WAS OBTAINED.

(OL-D) DEPICTED ACCORDING TO RECORD INFORMATION, NO ELECTRONIC INFORMATION WAS OBTAINED.

(DATF) DEPICTED ACCORDING TO FIELD INSPECTION

(FO) FIBER OPTIC

(AATUR) ABANDONED ACCORDING TO UTILITY RECORDS

(AATF) ABANDONED ACCORDING TO FIELD INSPECTION

(EATF) EMPTY ACCORDING TO FIELD INSPECTION

EOI END OF ELECTRONIC DESIGNATING INFORMATION

EORI END OF UTILITY RECORD INFORMATION

(NAC) NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE

(NAP) NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE

— UTILITY ENDPOINT

UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES. UTILITY INFORMATION LABELED "OL-C" OR "OL-D" IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SO-DEEP, INC. EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.

ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATING INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. SO-DEEP INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.



**SO-DEEP**  
 The Subsurface Utility Engineering Company  
 8397 Euclid Avenue  
 Monroeville, PA 15141  
 724-361-6005

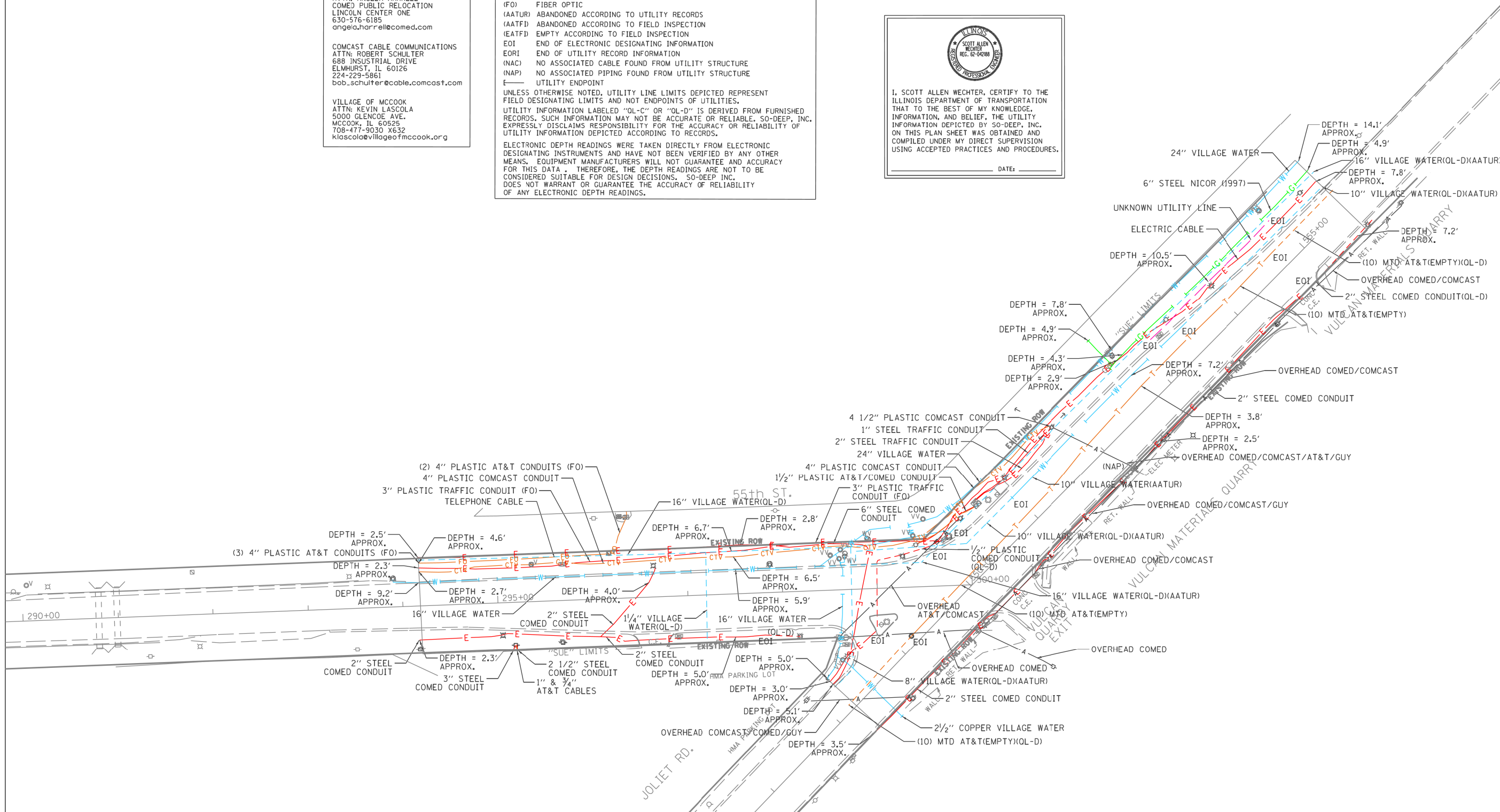
Designated By: P.R.  
 Drafted By: B.S.  
 Checked By: S.W.  
 Date: 7-13-2017  
**SIXF916**

0 50 100 150  
 SCALE IN FEET

**ILLINOIS**  
 SCOTT ALLEN WECHTER  
 REG. 62-04288  
 PROFESSIONAL ENGINEER

I, SCOTT ALLEN WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SO-DEEP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: \_\_\_\_\_



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

**SUE UTILITY PLANS**  
**JOLIET ROAD AT 55TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

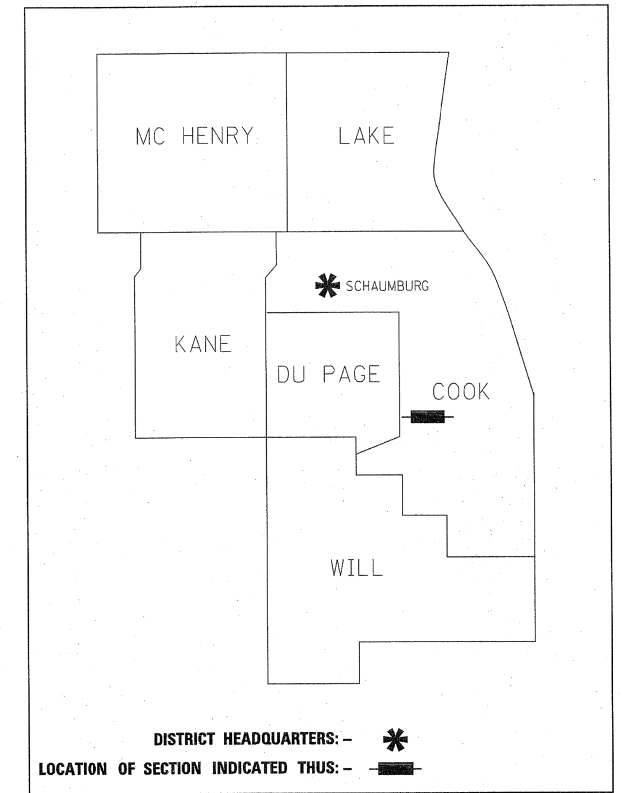
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	33
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

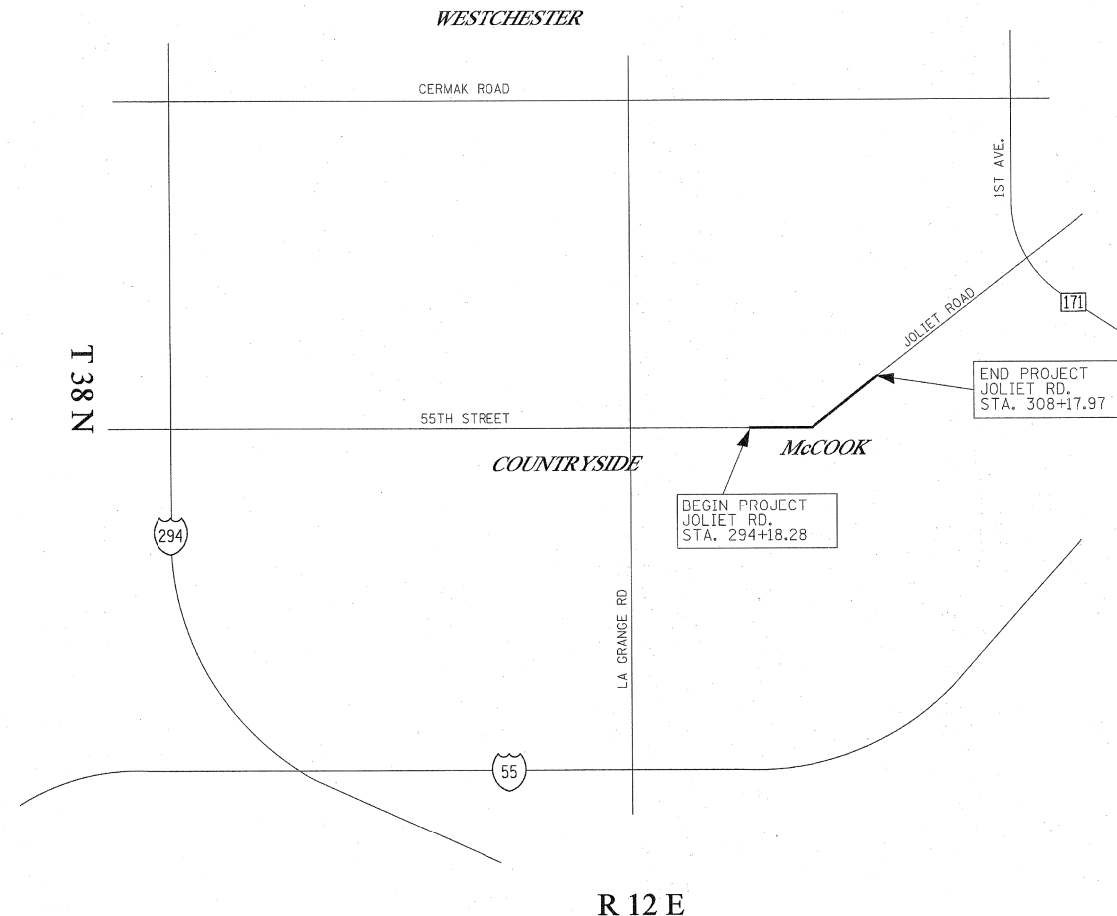
# PLAT OF HIGHWAYS

**JOLIET ROAD  
SECTION  
COOK COUNTY  
LIMITS 55TH STREET**  
R-90-001-15

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0LT0001 0LT0001TE	ELECTRO-MOTIVE DIESEL, INC.	2 & 3	
0LT0002TE	VULCAN LANDS, INC., A NEW JERSEY CORPORATION	2 & 3	



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



**R 12 E  
LOCATION MAP**  
GROSS LENGTH = 1399.69 FT. = 0.265 MILE

**Ruettiger, Tonelli & Associates, Inc.**  
Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
129 CAPISTA DRIVE - SHERWOOD, ILLINOIS 60404  
TEL (815) 74-6600 FAX (815) 744-0101  
website: www.ruettigertonnelli.com

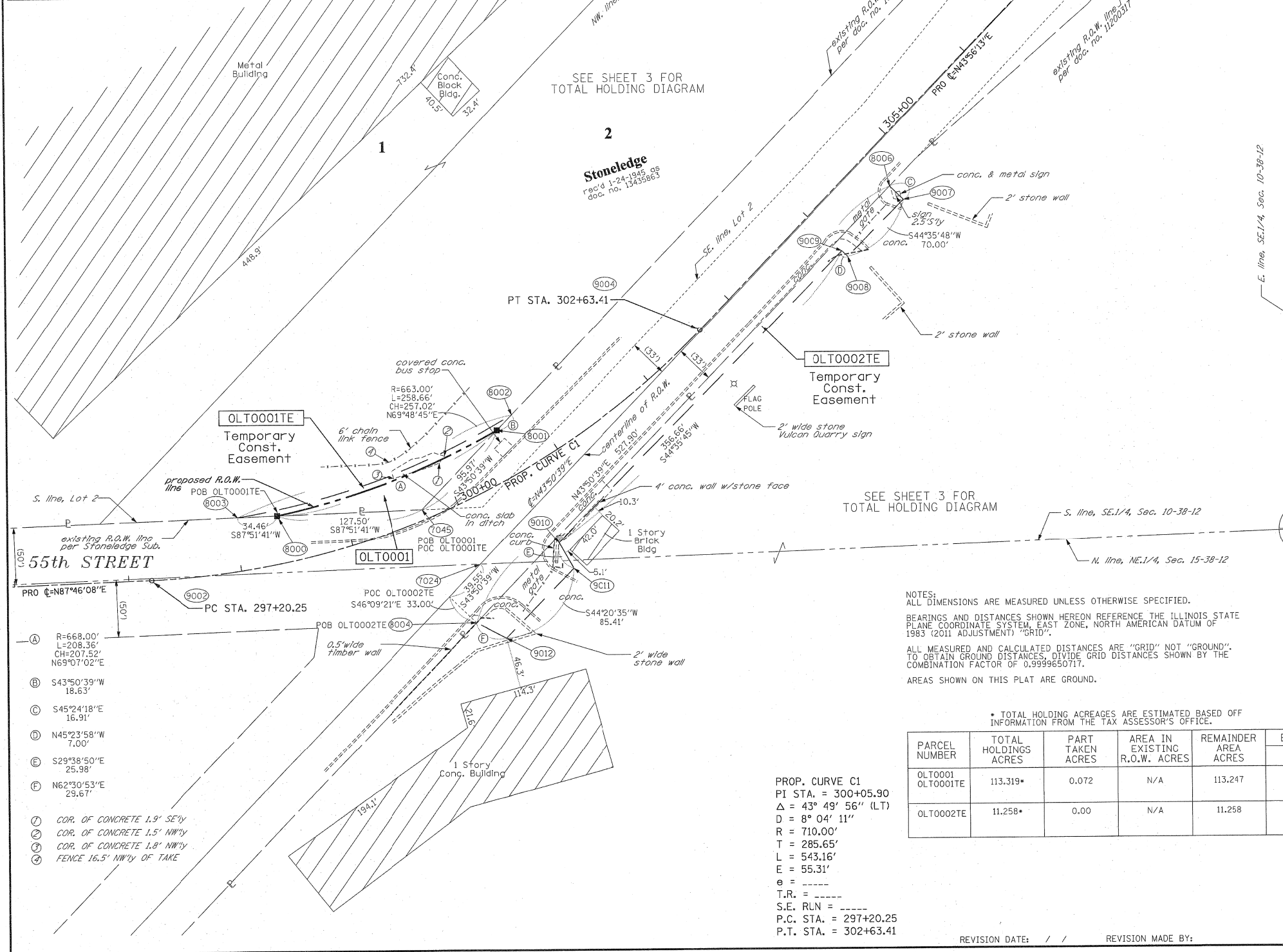
**R.T. & A. Dwg. No.: 2017-0654.00**

**IDOT USE ONLY**  
**RECEIVED**  
SEP 05 2017  
PLATS & LEGALS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	34
CONTRACT NO. 60X71				
<small>ILLINOIS FED. AID PROJECT</small>				

PART OF THE SE.1/4 OF SECTION 10 AND THE NE.1/4 OF SECTION 15, TWP.38N., R.12E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

Pt. No.	Northing	Easting	Station	Offset
7024	1866837.171	1118219.443	299+95.29	55.42'RT
7045	1866885.308	1118168.619	299+68.58	8.93'LT
8000	1866880.550	1118041.206	298+40.65	42.00'LT
8001	1866954.521	1118235.094	300+62.11	42.00'LT
8002	1866967.960	1118248.001	300+81.26	47.00'LT
8003	1866879.264	1118006.771	298+04.27	47.00'LT
8004	1866785.791	1118215.851	299+73.83	101.09'RT
8006	1867166.524	1118581.524	304+69.59	33.70'RT
9002	1866824.619	1117930.566	297+20.25	0.00'RT
9004	1867041.436	1118414.201	302+63.41	0.00'RT
9005	1867440.771	1118798.987	308+17.97	0.00'RT
9007	1867154.654	1118593.563	304+69.39	50.60'RT
9008	1867104.809	1118544.415	303+99.40	49.80'RT
9009	1867109.724	1118539.431	303+99.48	42.80'RT
9010	1866855.758	1118289.022	300+60.00	70.51'RT
9011	1866833.183	1118301.871	300+60.00	96.48'RT
9012	1866772.098	1118242.171	299+90.00	124.09'RT



**LEGEND**

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

SECTION / QUARTER SECTION LINE  
PLATTED LOT LINES  
PROPERTY (DEED) LINE  
APPARENT PROPERTY LINE  
EXISTING CENTERLINE  
PROPOSED CENTERLINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
EXISTING EASEMENT  
PROPOSED EASEMENT  
EXISTING ACCESS CONTROL LINE  
PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION (129.32')  
COMPUTED DIMENSION (129.32')  
RECORDED DIMENSION (129.32')  
EXISTING BUILDING

GRAPHIC SCALE  
FEET  
SCALE: 1" = 50'

- 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 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.
- T3 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. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 10 & 15, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SHOREWOOD, ILLINOIS THIS 5<sup>th</sup> DAY OF September 2017 A.D.

KENNETH J. PESAVENTO  
3425 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SHOREWOOD, ILLINOIS  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425  
LICENSE EXPIRATION DATE: 11-30-2018  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTES:  
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.  
BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".  
ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999650711.  
AREAS SHOWN ON THIS PLAT ARE GROUND.

\* TOTAL HOLDING ACRES ARE ESTIMATED BASED OFF INFORMATION FROM THE TAX ASSESSOR'S OFFICE.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OLT0001	113.319*	0.072	N/A	113.247	0.027	1162	18-10-400-008 18-10-400-007 18-10-400-012
OLT0002TE	11.258*	0.00	N/A	11.258	0.143	6228	18-15-200-010 18-10-401-001

PROP. CURVE C1  
PI STA. = 300+05.90  
Δ = 43° 49' 56" (LT)  
D = 8° 04' 11"  
R = 710.00'  
T = 285.65'  
L = 543.16'  
E = 55.31'  
e = -----  
T.R. = -----  
S.E. RLN = -----  
P.C. STA. = 297+20.25  
P.T. STA. = 302+63.41

REVISION DATE: / / REVISION MADE BY:

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
3425 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SHOREWOOD, ILLINOIS  
R.T. & A. Dwg. No.: 2017-0654-00

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**JOLIET ROAD**

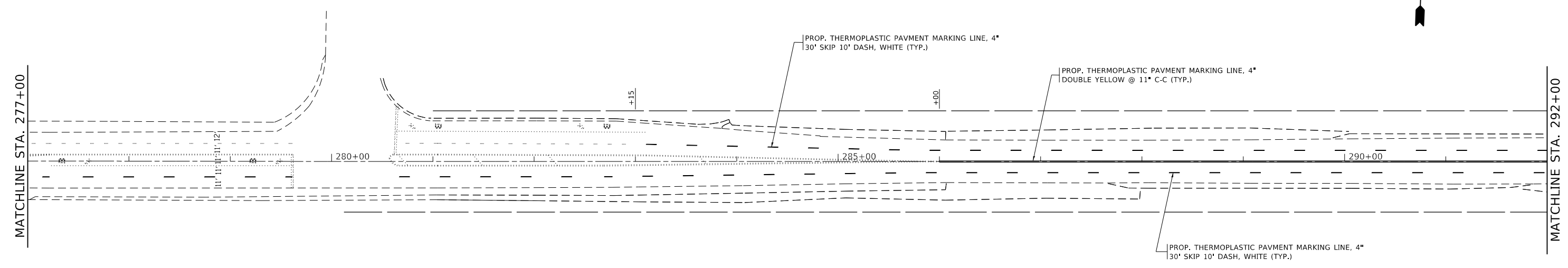
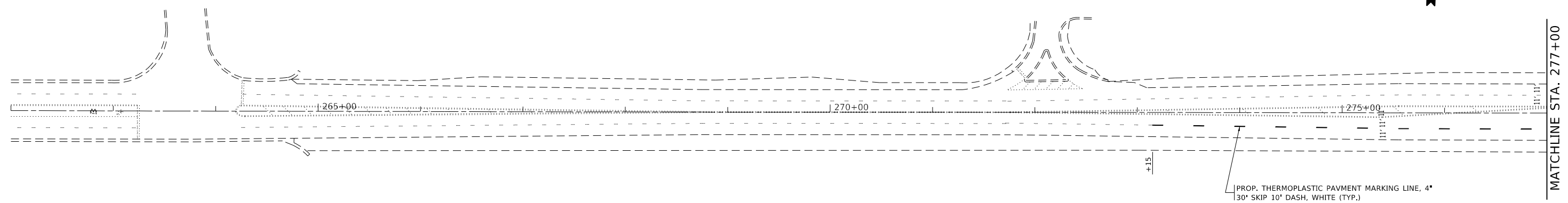
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SECTION: JOB NO.: R-90-001-15  
STA. 296+50 TO STA. 308+17.97  
SCALE: 1"=50' SHEET 2 OF 3 SHEETS

**IDOT USE ONLY**  
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SEP 05 2017  
PLATS & LEGALS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V)-XIN	COOK	99	35
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				





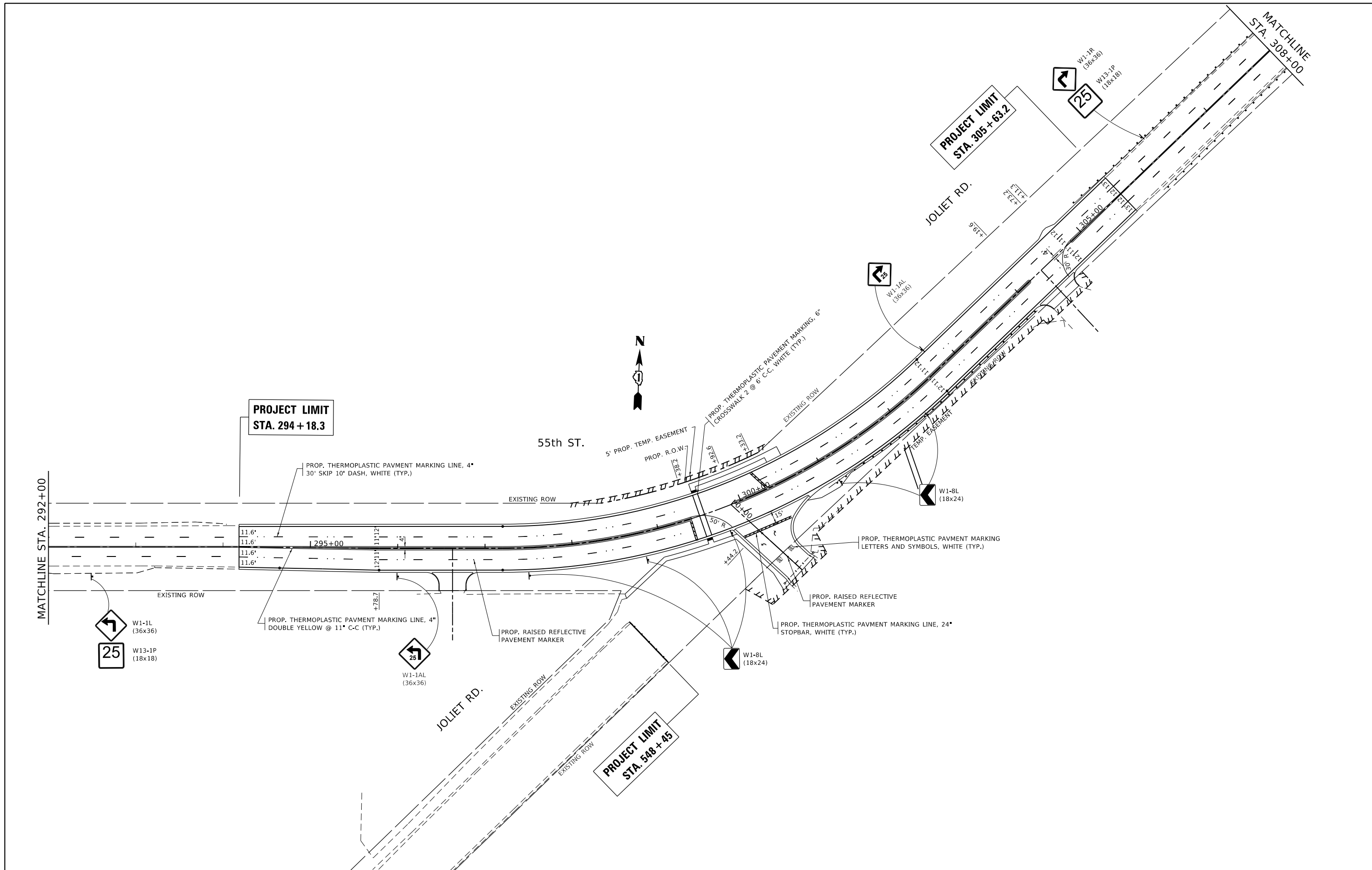
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNAGE PLAN  
JOLIET ROAD AT 55th STREET**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	37
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

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



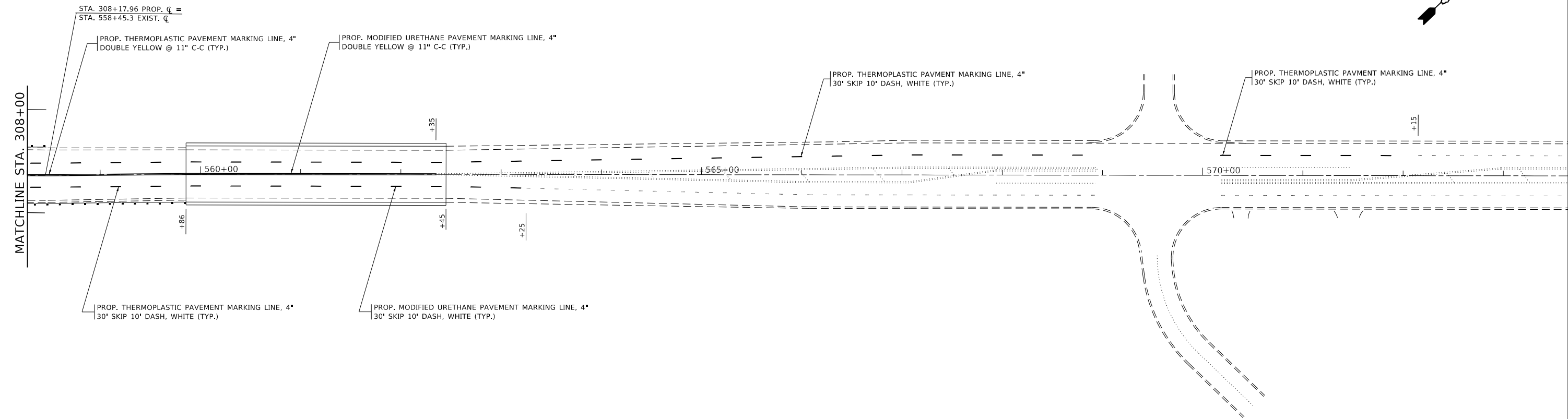
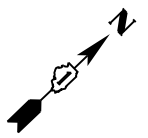
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNAGE PLAN  
JOLIET ROAD AT 55th STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	38
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

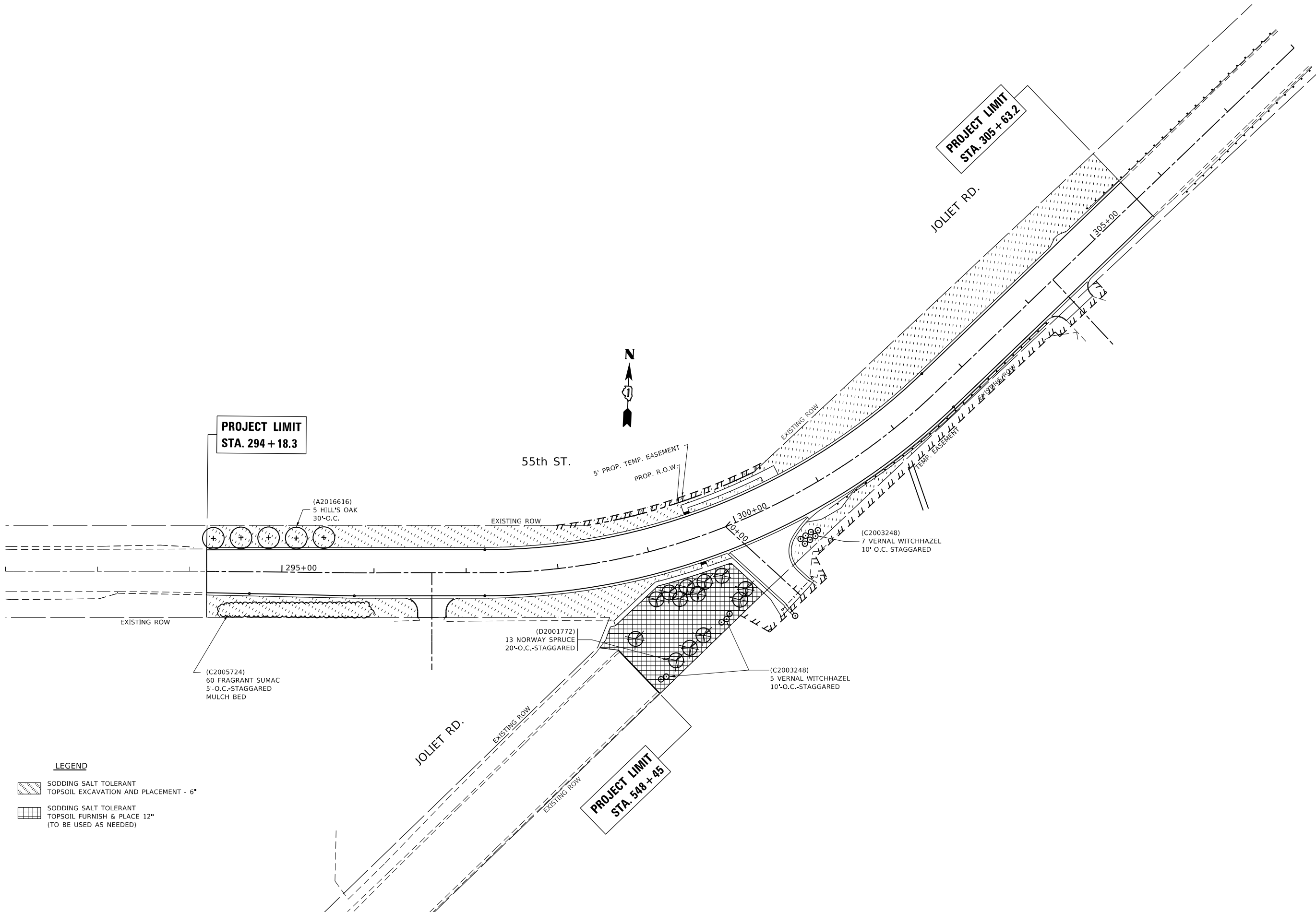


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Default	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNAGE PLAN  
JOLIET ROAD AT 55th STREET**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	39
CONTRACT NO. 60X71				
SCALE: 1"=50'		SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT





**PROJECT LIMIT  
STA. 294 + 18.3**

**PROJECT LIMIT  
STA. 305 + 63.2**

**PROJECT LIMIT  
STA. 548 + 45**

**LEGEND**

-  SODDING SALT TOLERANT TOPSOIL EXCAVATION AND PLACEMENT - 6"
-  SODDING SALT TOLERANT TOPSOIL FURNISH & PLACE 12" (TO BE USED AS NEEDED)

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Default	PLOT DATE = 3/23/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LANDSCAPING PLAN</b>			
<b>JOLIET ROAD AT 55th STREET</b>			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X) N	COOK	99	40
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				



# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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PLOT DATE = 3/23/2020	DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

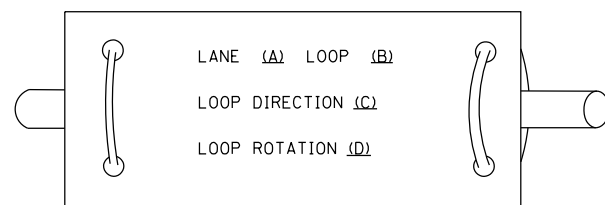
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F.A.U. RTE. 3562	SECTION (430V-X)N	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 41
<b>TS-05</b>			CONTRACT NO. 60X71	
ILLINOIS FED. AID PROJECT				

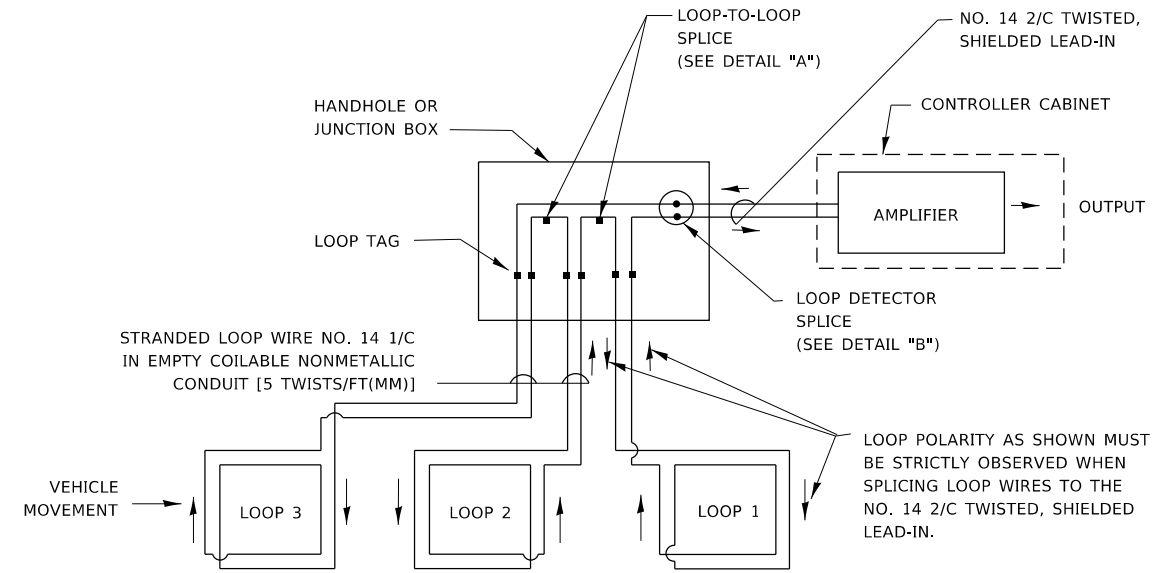
**LOOP DETECTOR NOTES**

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**

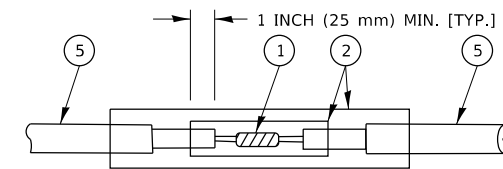


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

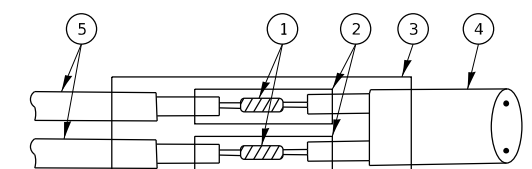


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

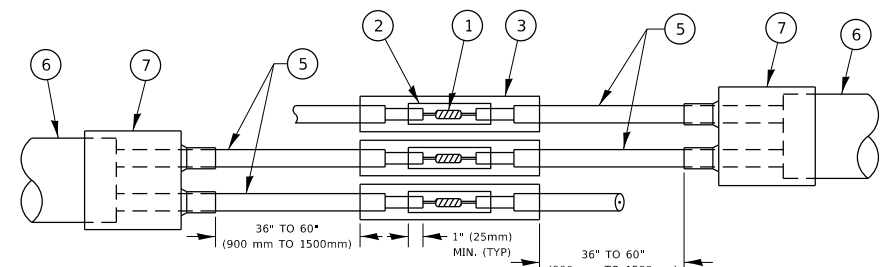


DETAIL "A"  
LOOP-TO-LOOP SPLICE

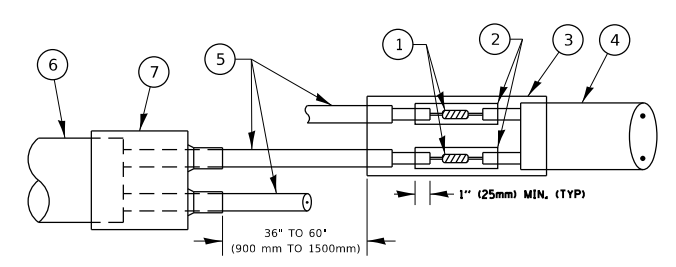


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

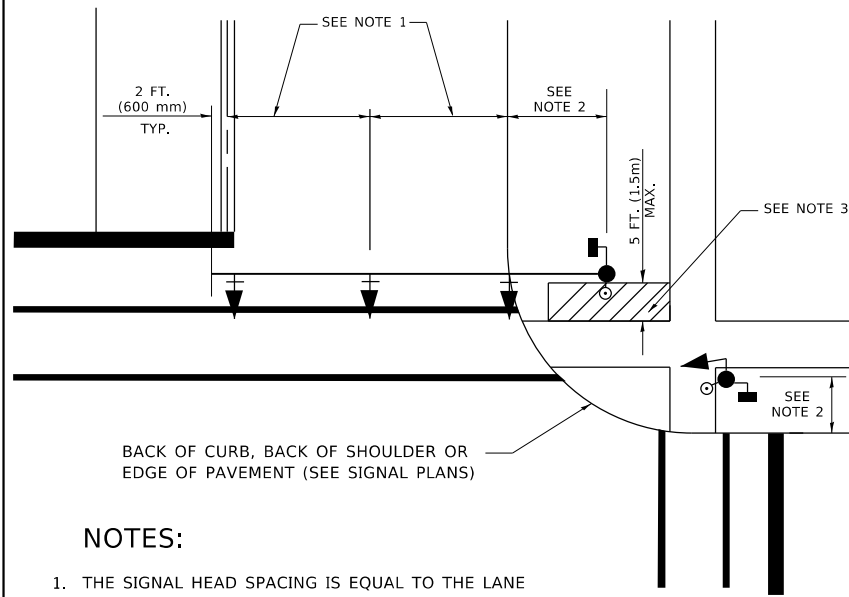
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05			CONTRACT NO. 60X71	
ILLINOIS FED. AID PROJECT				

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**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

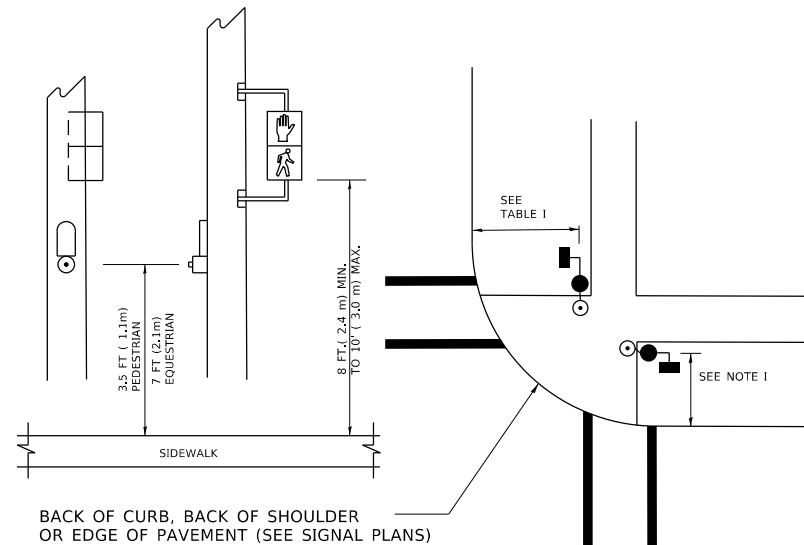
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

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

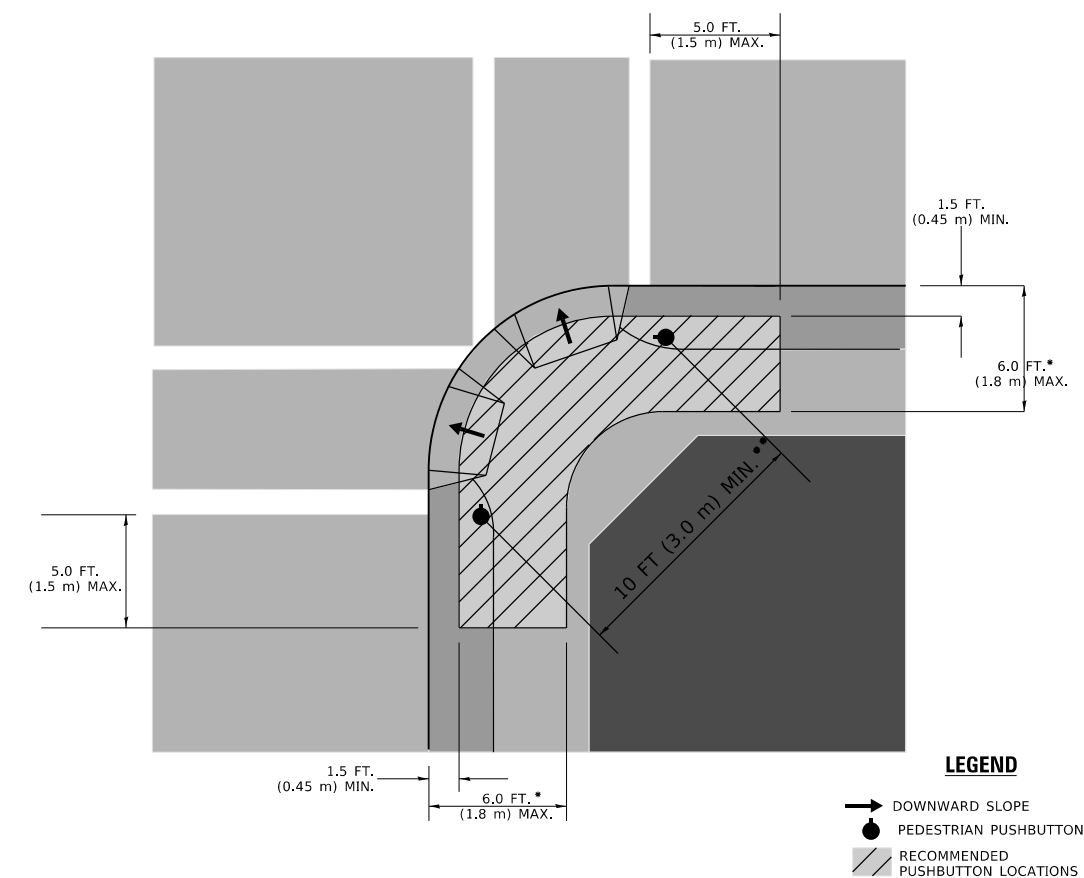
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

\* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

\*\* WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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

**NOTES:**

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

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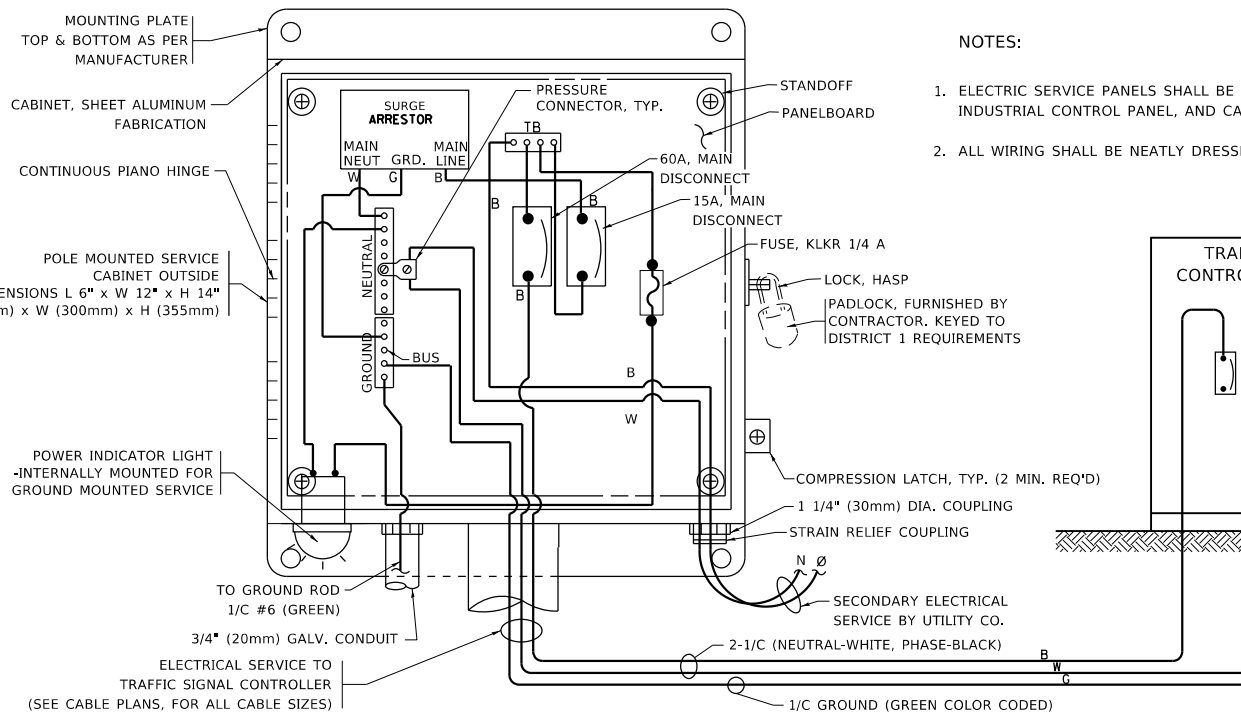
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

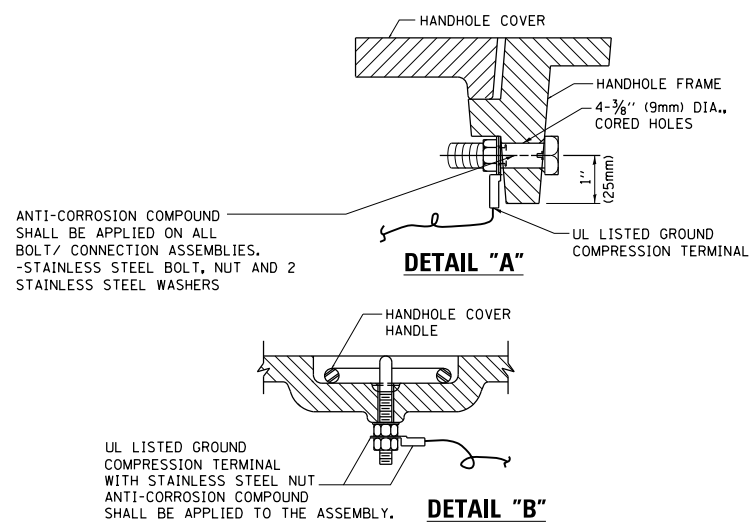
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	43
<b>TS-05</b>		CONTRACT NO. 60X71		
ILLINOIS FED. AID PROJECT				

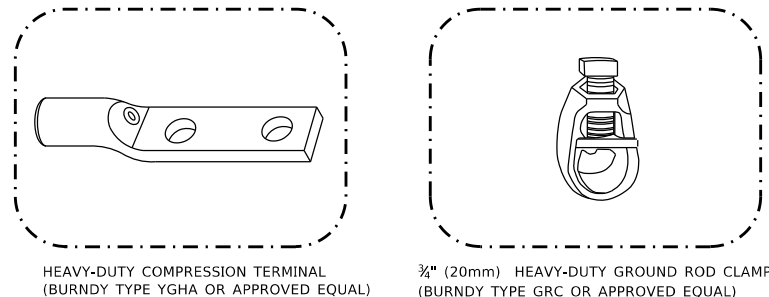


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



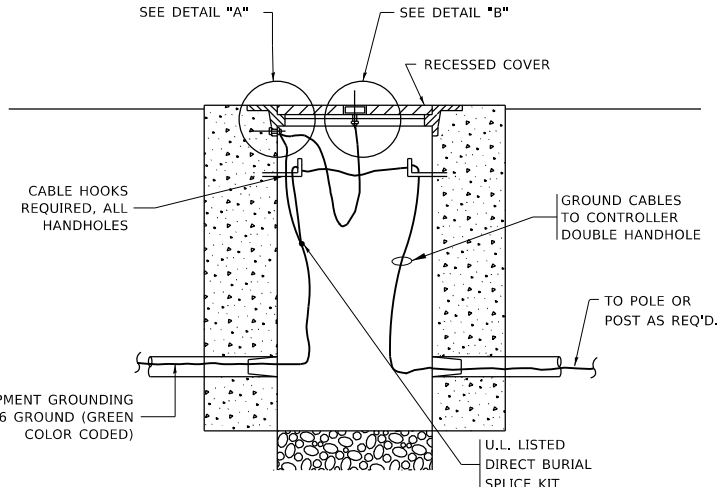
**NOTES:**  
**GROUNDING SYSTEM**

- 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.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



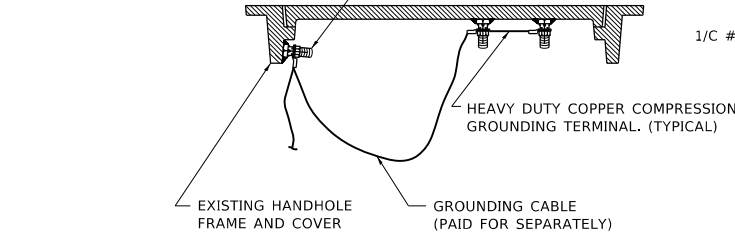
**NOTES:**

- 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.

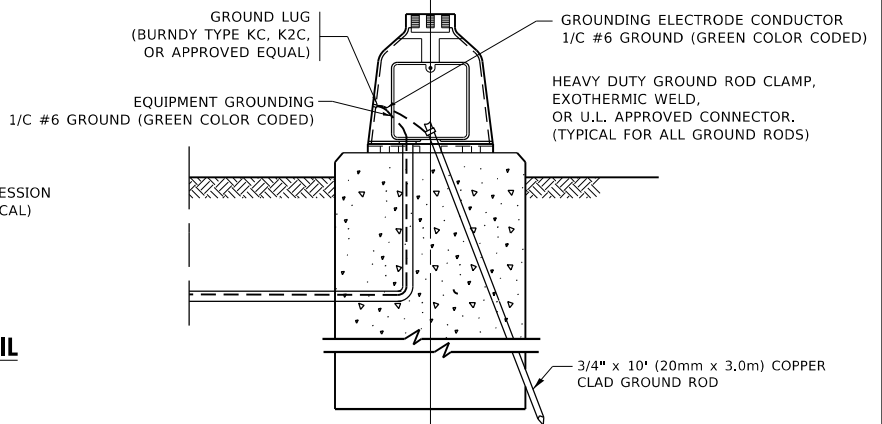


**HANDHOLE COVER & FRAME – GROUNDING DETAIL**  
 (NOT TO SCALE)

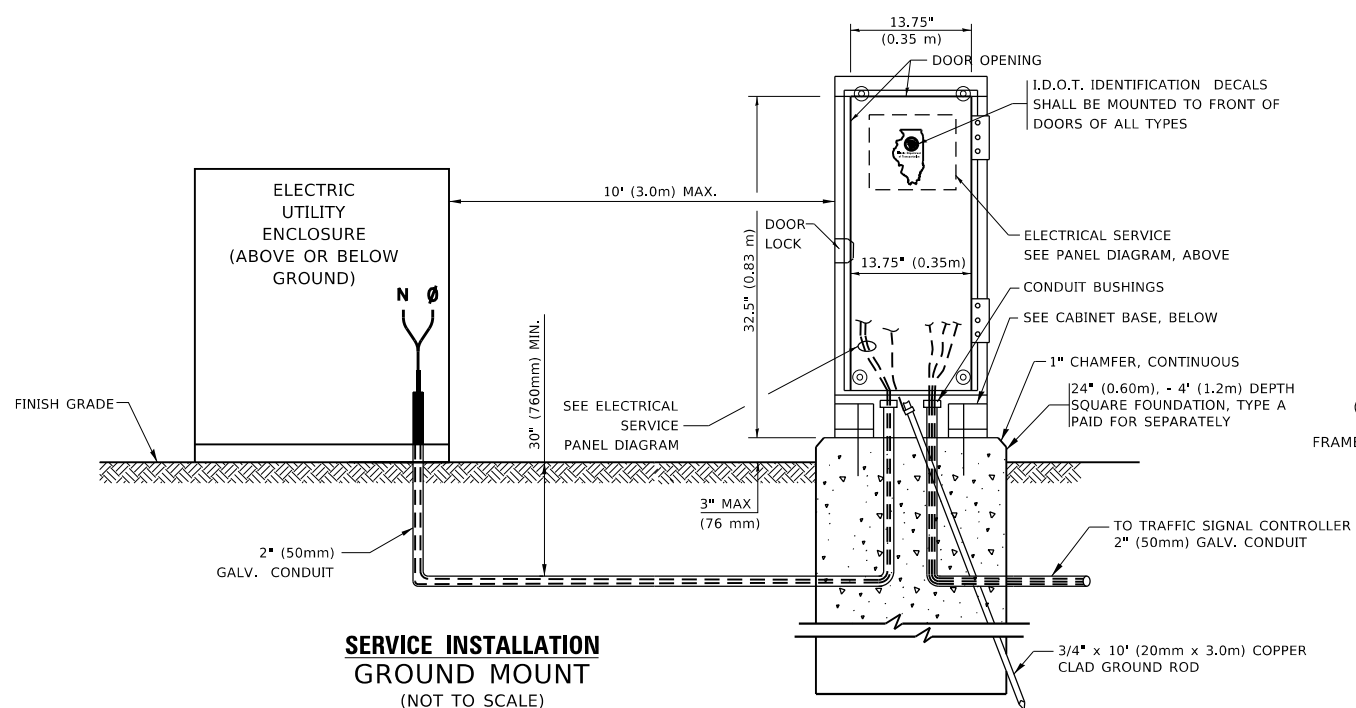
(2) 1/2" x 1 1/4" STAINLESS STEEL BOLT WITH SPLIT LOCK WASHER AND NYLON INSERT LOCKOUT WELDED TO FRAME AND TO COVER. (TYPICAL). ANTI-CORROSION COMPOUND SHALL BE APPLIED TO EACH ASSEMBLY.



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

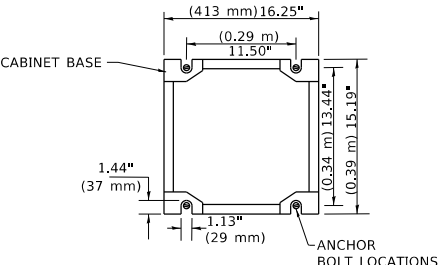


**MAST ARM POLE /POST-GROUNDING DETAIL**  
 (NOT TO SCALE)



**SERVICE INSTALLATION GROUND MOUNT**  
 (NOT TO SCALE)

**CABINET – BASE BOLT PATTERN**  
 (NOT TO SCALE)



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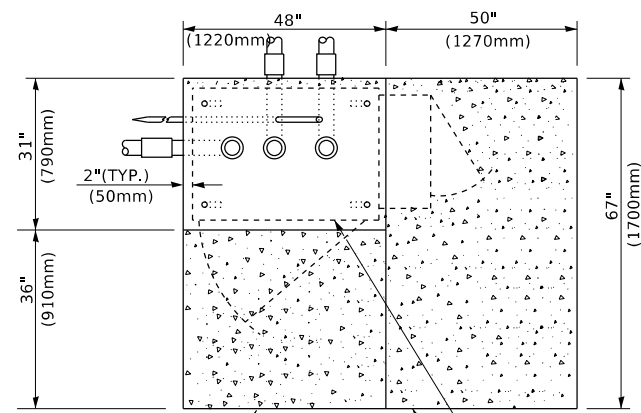
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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

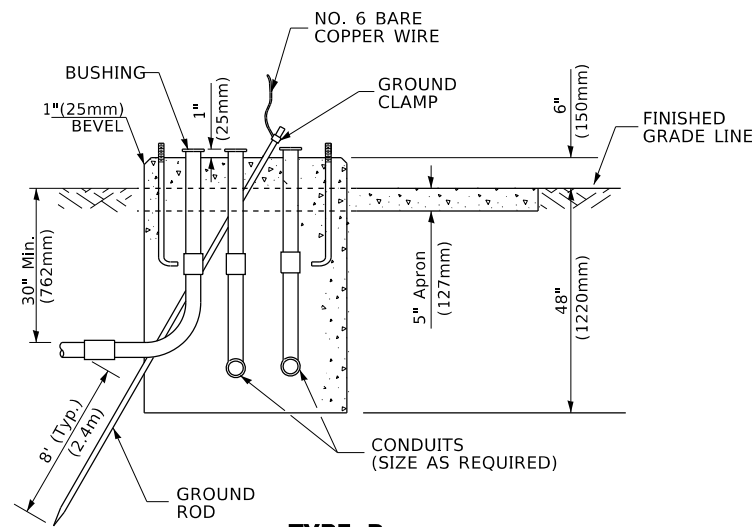
**DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

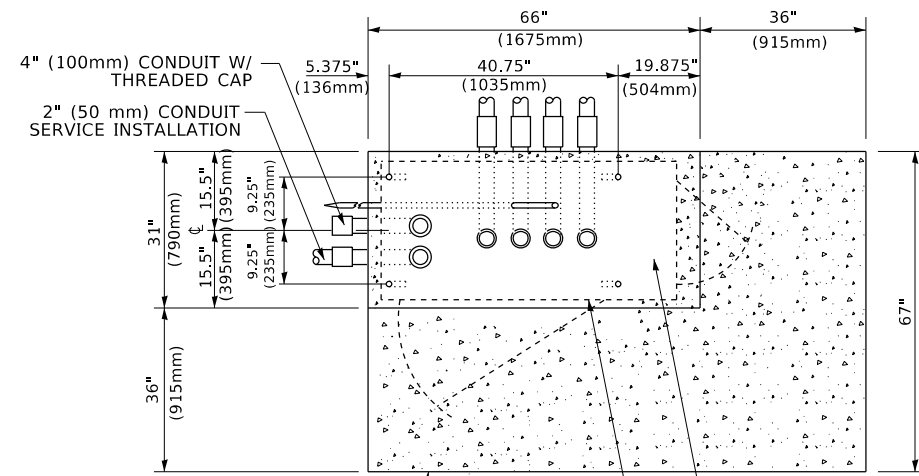
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	44
<b>TS-05</b>		CONTRACT NO. 60X71		
ILLINOIS		FED. AID PROJECT		



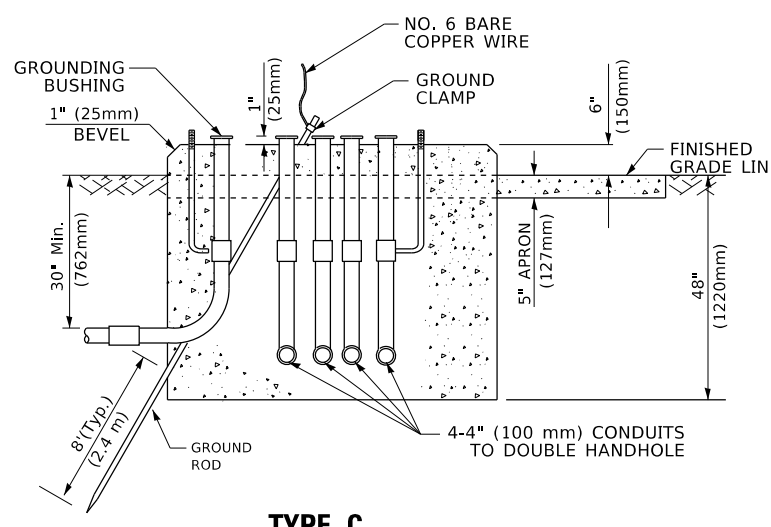
**TOP VIEW**



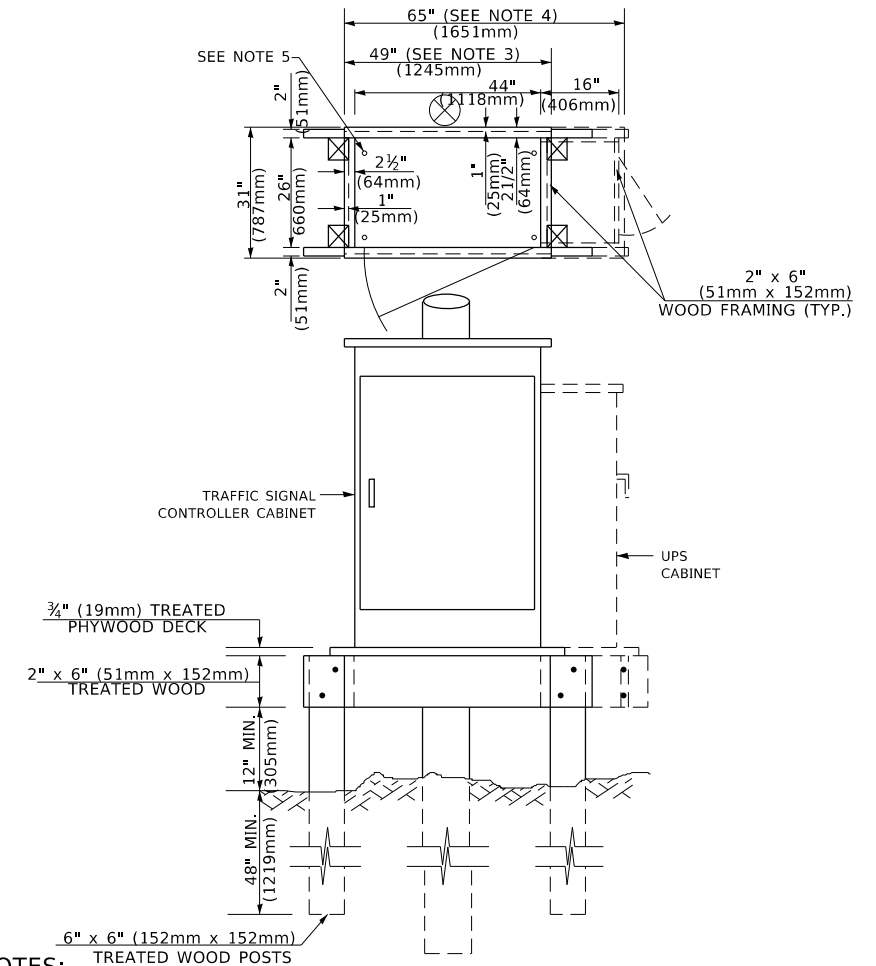
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



**TOP VIEW**



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

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

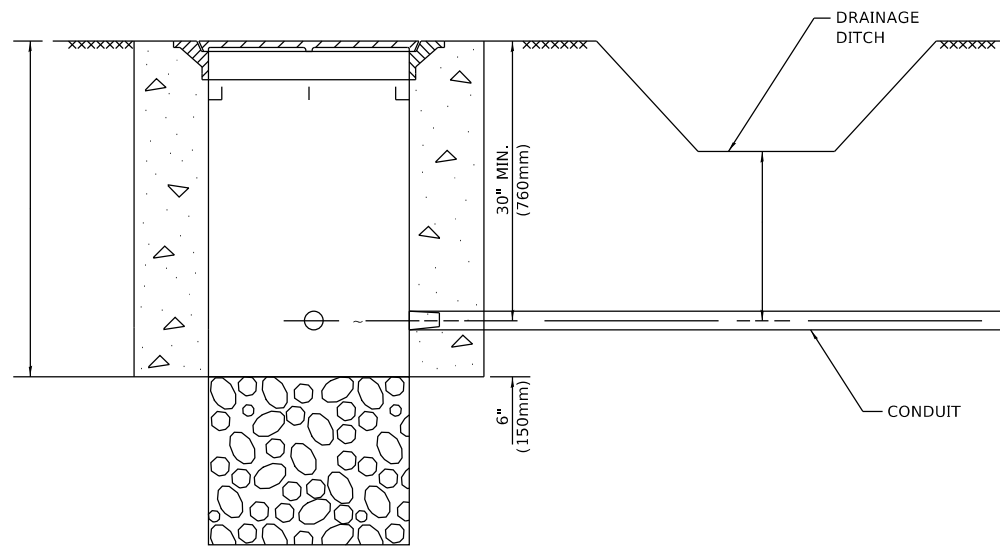
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

MODEL: Default  
FILE: \\hpc\pub\rooms\dat\illinois\pwr\pwr\DOT\Documents\DOT - Offices\Distric...  
PROJECT: P1221212\CADD\DATA\Design\1221212-WFE.dgn

USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

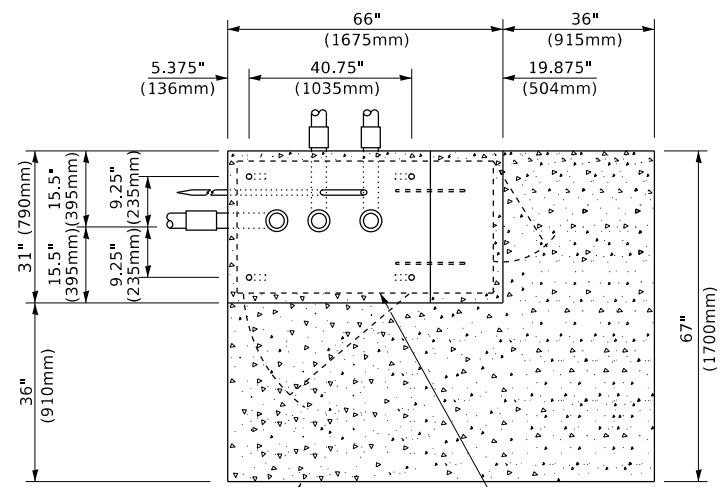
SCALE: NONE		SHEET 5 OF 7 SHEETS		STA. TO STA.		DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A.U. RTE. 3562	SECTION (430V-XJN)	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 45
								TS-05		CONTRACT NO. 60X71		
								ILLINOIS		FED. AID PROJECT		



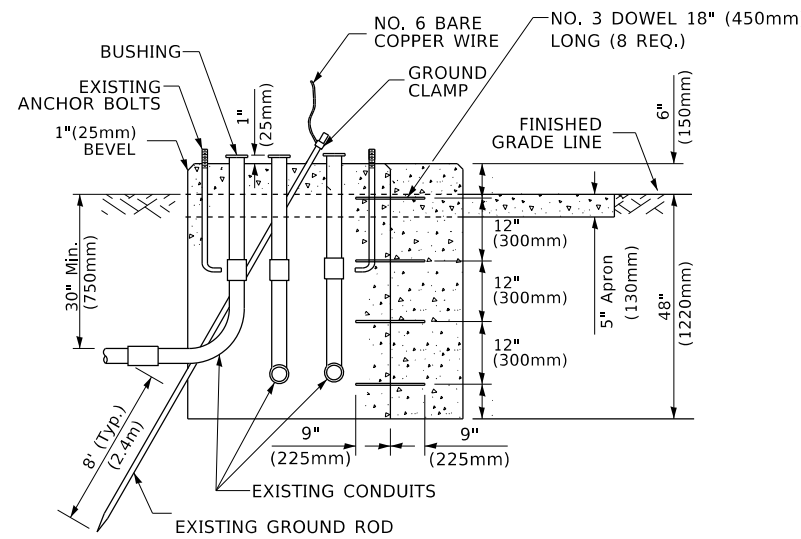
**NOTES:**

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

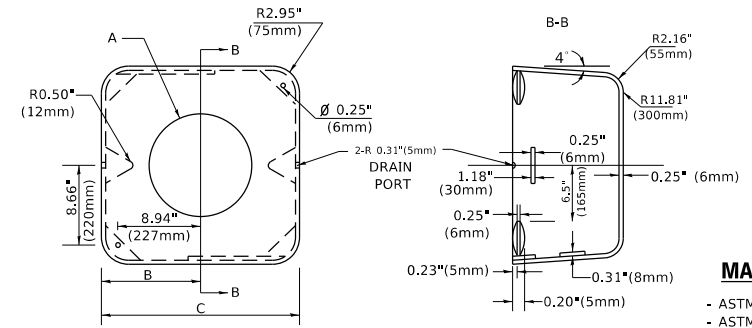
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**TOP VIEW**  
(NOT TO SCALE)



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



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

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

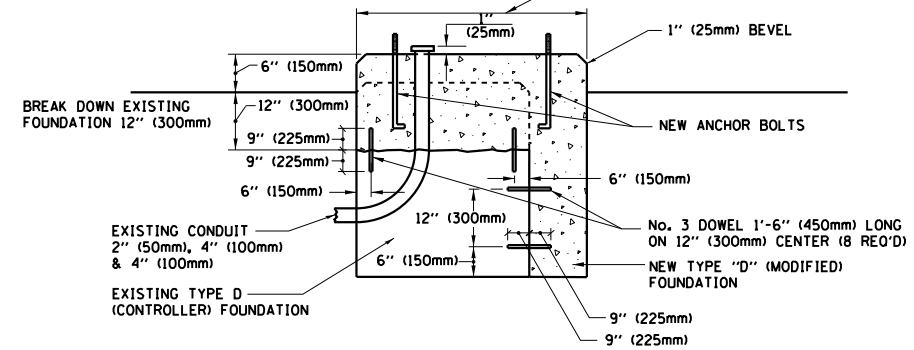
**SHROUD**

**NOTES:**

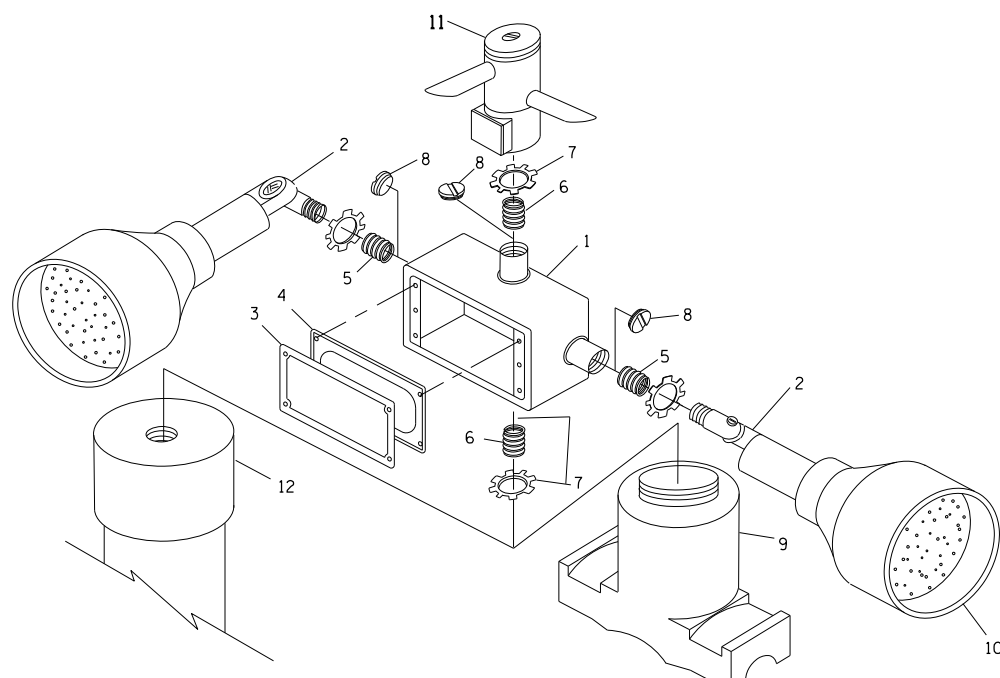
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**

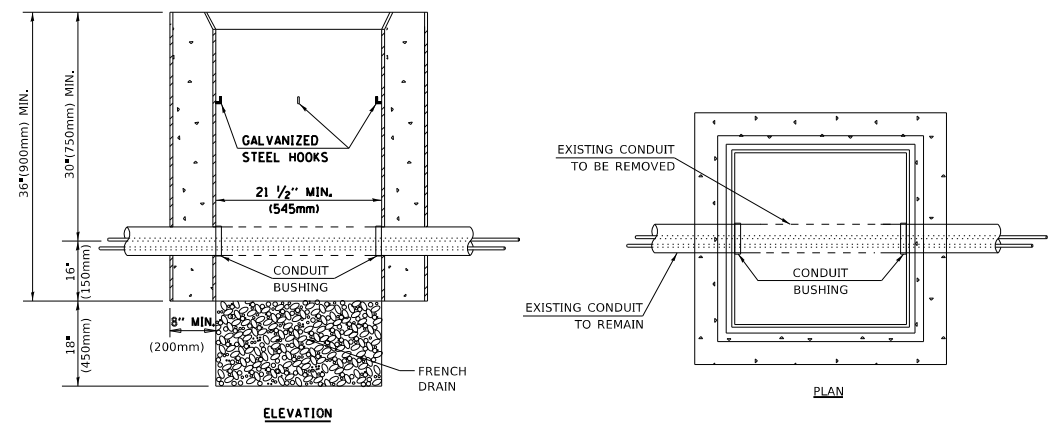


**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

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



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

MODEL: Default  
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PROJECT: P1221212\CD\Drawings\DOT - Offices\Drawings\1221212-WVE.dwg

USER NAME	DESIGNED	REVISED
= hassan	-	-
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

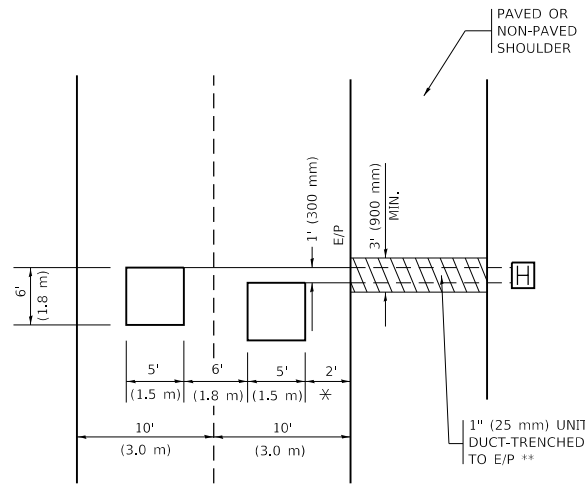
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 6	OF 7 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	46
<b>TS-05</b>		CONTRACT NO. 60X71		
ILLINOIS FED. AID PROJECT				



**LOOPS NEXT TO SHOULDERS**

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

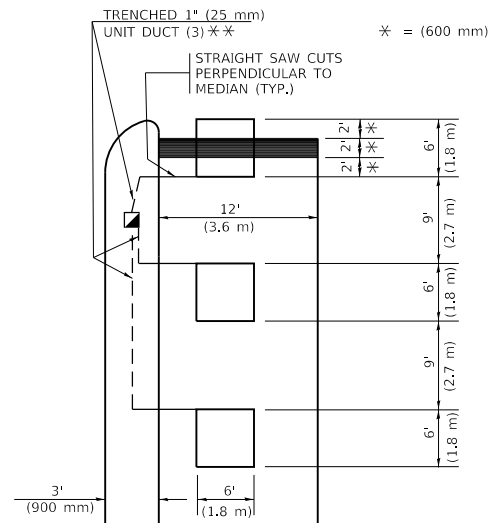


\* = (600 mm)

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

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

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

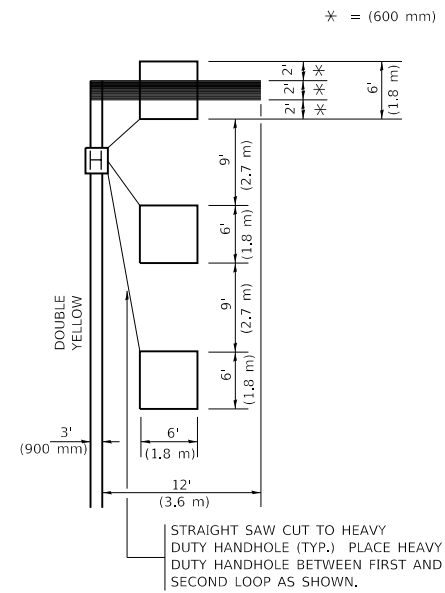


\* = (600 mm)

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

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

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



\* = (600 mm)

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

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

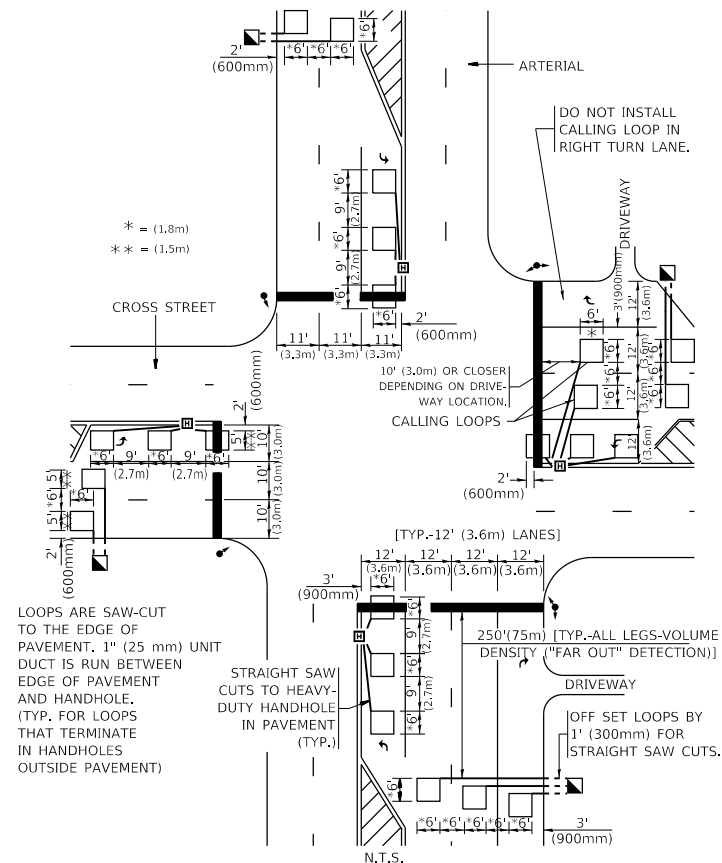
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

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

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

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



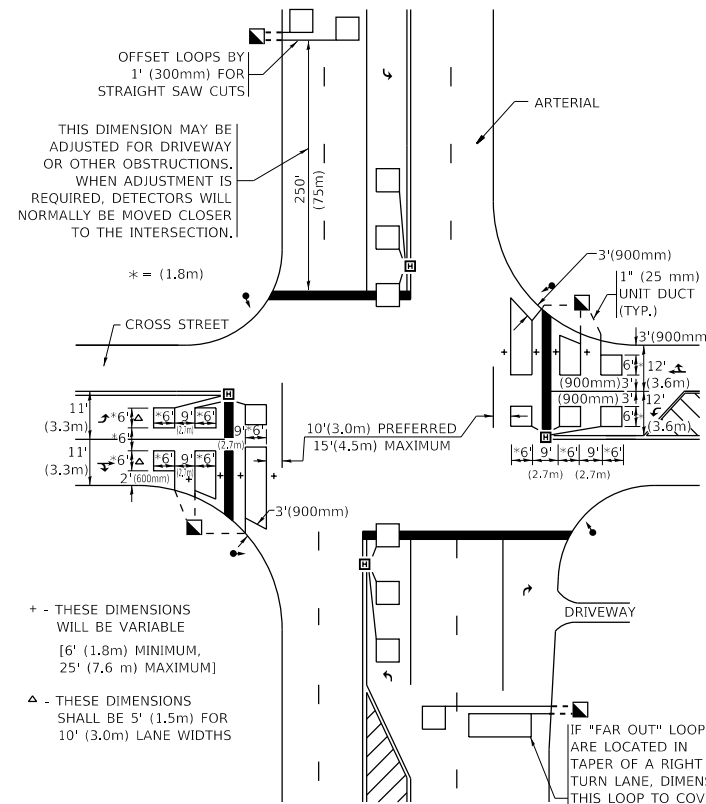
\* = (1.8m)  
\*\* = (1.5m)

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

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

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

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



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

\* = (1.8m)

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

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

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

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

USER NAME = hassan	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/23/2020	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	48
TS-07		CONTRACT NO. 60X71		
		ILLINOIS FED. AID PROJECT		



**NOTES**

1. CONTRACTOR SHOULD FOLLOW "SIDEWALK GUY DETAIL" AS INDICATED ON HWY STD 880001-01
2. CONTRACTOR SHALL PROVIDE EXTENSION ARMS TO THE ANTENNA IF THE SIGNAL IS NOT OBTAINED DUE TO A LACK OF CLEAR SIGHT TO THE ADJACENT INTERSECTION.

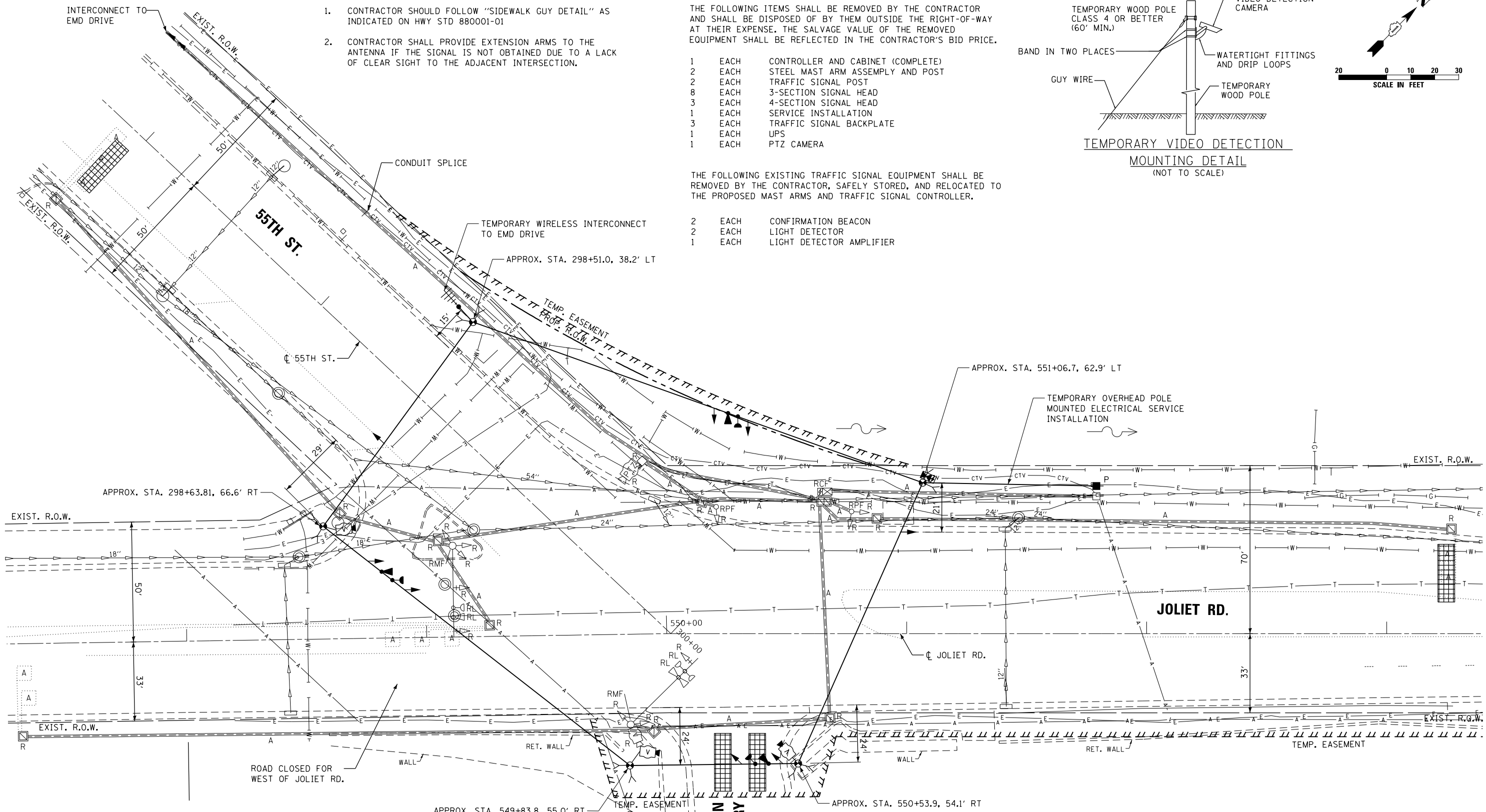
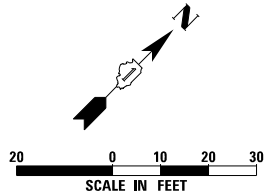
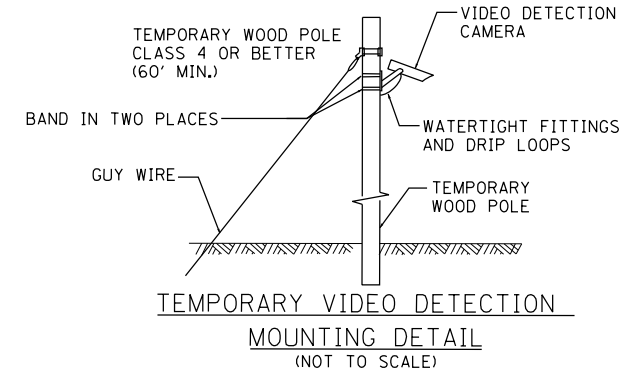
**REMOVAL AND RELOCATION NOTES**

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

- |   |      |                                   |
|---|------|-----------------------------------|
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE) |
| 2 | EACH | STEEL MAST ARM ASSEMBLY AND POST  |
| 8 | EACH | TRAFFIC SIGNAL POST               |
| 3 | EACH | 3-SECTION SIGNAL HEAD             |
| 3 | EACH | 4-SECTION SIGNAL HEAD             |
| 1 | EACH | SERVICE INSTALLATION              |
| 3 | EACH | TRAFFIC SIGNAL BACKPLATE          |
| 1 | EACH | UPS                               |
| 1 | EACH | PTZ CAMERA                        |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER.

- |   |      |                          |
|---|------|--------------------------|
| 2 | EACH | CONFIRMATION BEACON      |
| 2 | EACH | LIGHT DETECTOR           |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER |



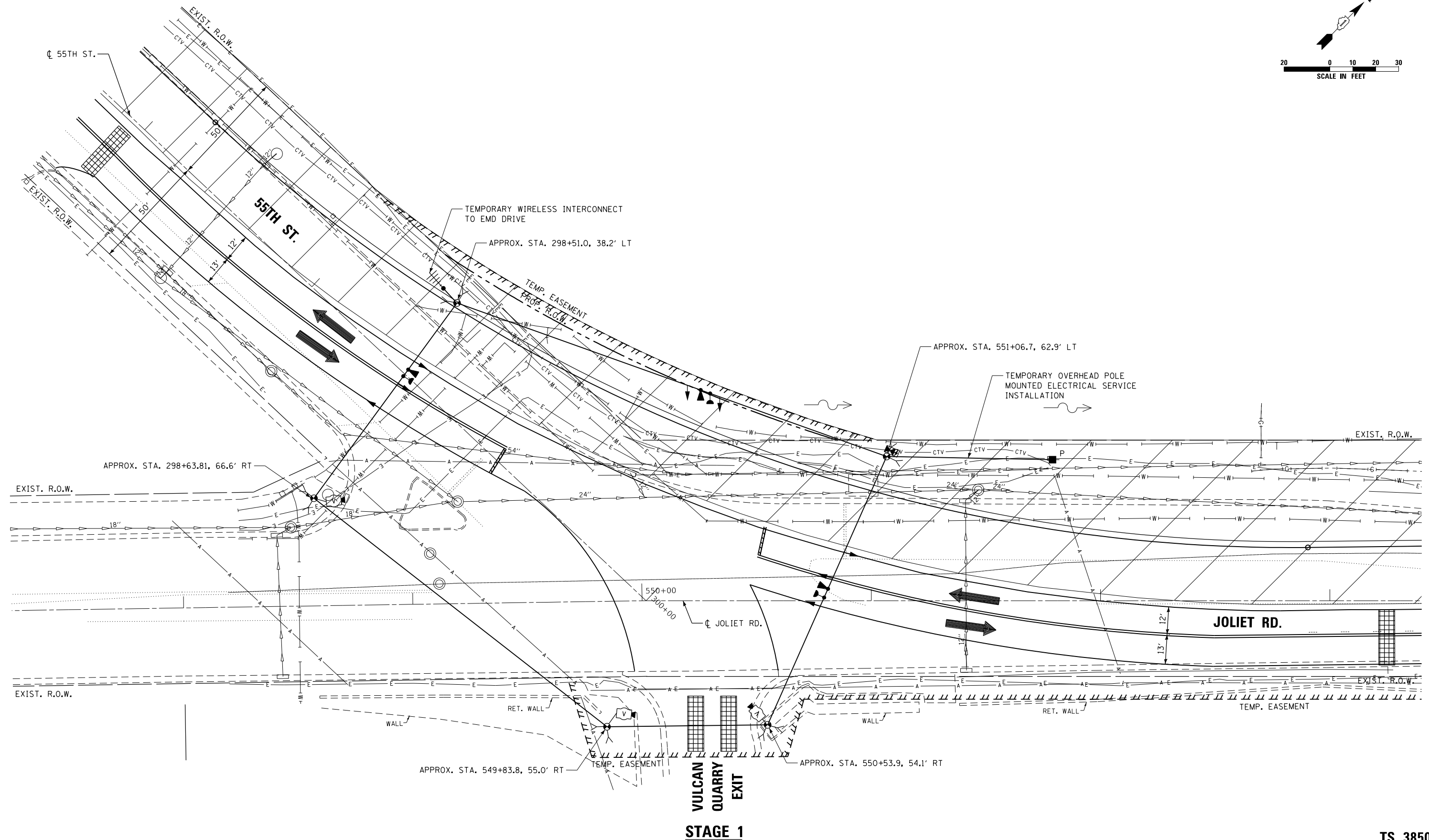
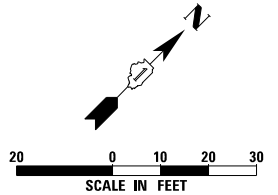
**PRE-STAGE**

TS SHT NO. 9

TS 3850  
EAGLE 2B

FILE NAME =	USER NAME = hassan	DESIGNED - V.O.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-STAGE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN JOLIET ROAD AND 55TH STREET	F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\Drawings\ADD-Sheets\60X71-sht-01 Temp Pre-Stage & Removal Plan.dgn		CHECKED - L.S.	REVISED -			3562	(430V-XIN)	COOK	99	49
PLOT SCALE = 40.0000' / in.		DATE - 5/24/2019	REVISED -			CONTRACT NO. 60X71			ILLINOIS FED. AID PROJECT	

SCALE: 1"=20' SHEET NO. OF SHEETS STA. N/A TO STA. N/A



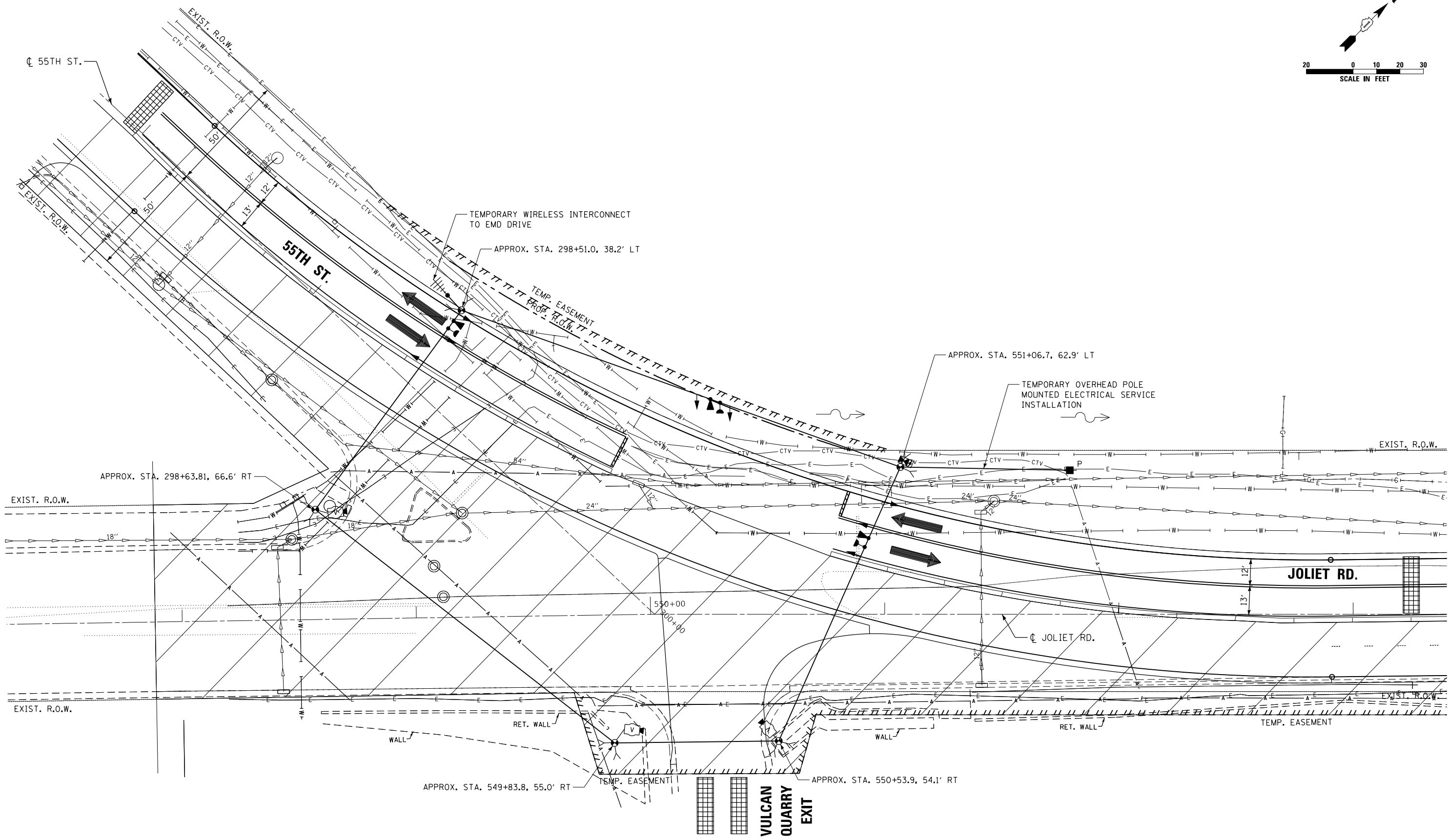
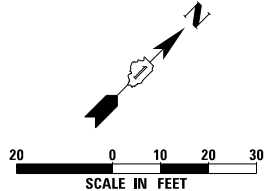
**STAGE 1**

TS SHT NO. 10

TS 3850  
EAGLE 2B

FILE NAME =	USER NAME = hassan	DESIGNED - V.O.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE 1 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN JOLIET ROAD AND 55TH STREET</b>	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\Drawings\2019\ADD-Sheets\60X71-sht-02 Temp Stage 1 Plan.dgn	PLOT SCALE = 40.0000' / in.	CHECKED - L.S.	REVISED -			3562	(430V-XIN)	COOK	99	50
PLOT DATE = 3/23/2020	DATE - 5/24/2019	REVISED -	CONTRACT NO. 60X71			ILLINOIS FED. AID PROJECT				

SCALE: 1"=20'    SHEET NO. 1 OF 1 SHEETS    STA. N/A TO STA. N/A



**STAGE 2**

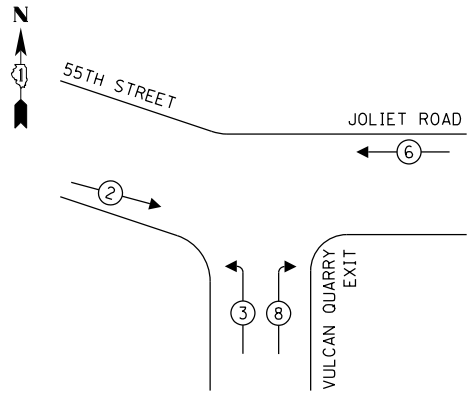
**TS 3850  
EAGLE 2B**

**TS SHT NO. 11**

FILE NAME =	USER NAME = hassan	DESIGNED - V.O.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN JOLIET ROAD AND 55TH STREET</b>	F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\Drawings\Plan\ADD-Sheets\60X71-sht-03 Temp Stage-2 Plan.dgn	DRAWN - SINGH & ASSOCIATES INC	CHECKED - L.S.	REVISED -			3562	(430V-XIN)	COOK	99	51
PLOT SCALE = 40.0000' / in.	PLOT DATE = 3/23/2020	DATE - 5/24/2019	REVISED -			CONTRACT NO. 60X71				
SCALE: 1"=20'						SHEET NO. OF SHEETS		STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT



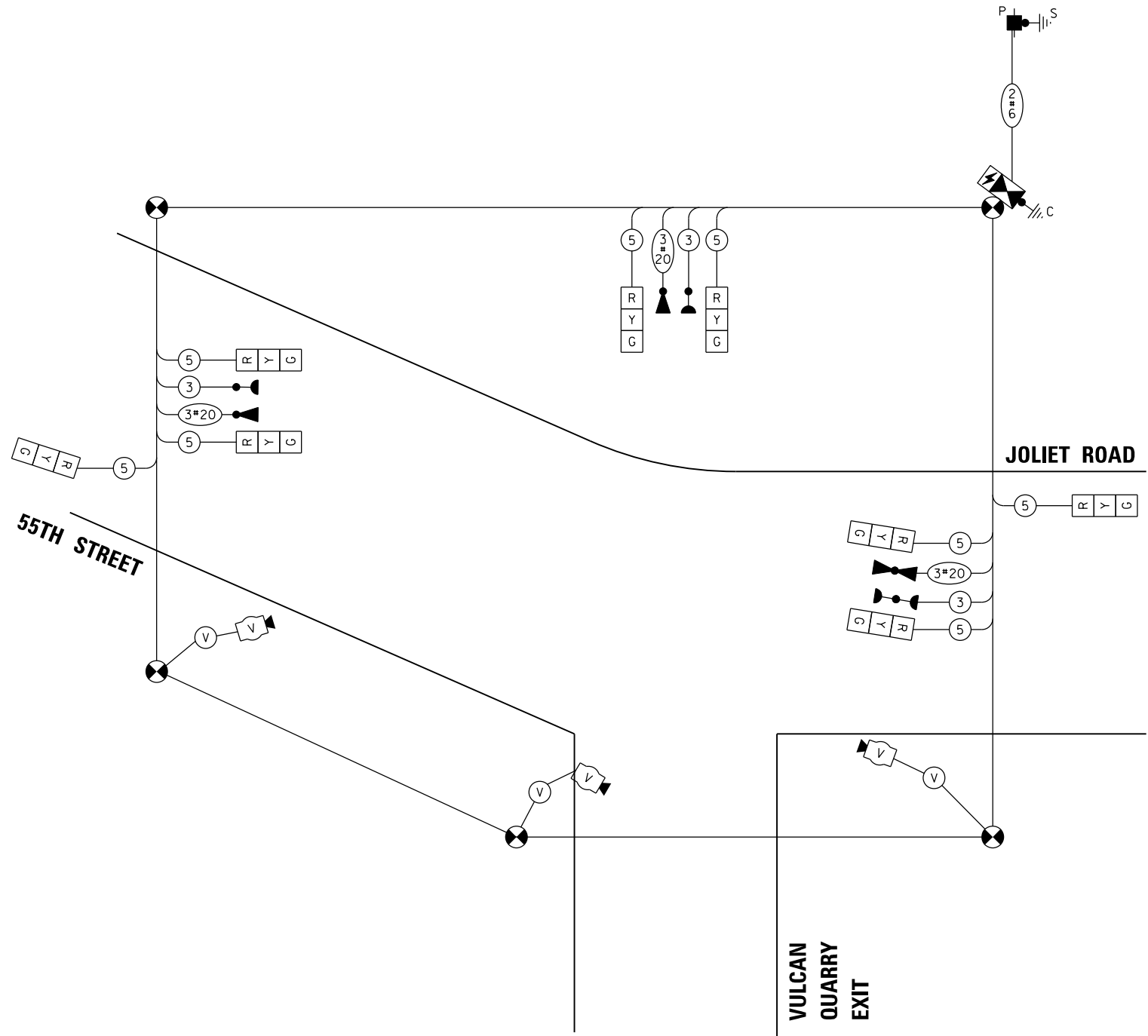
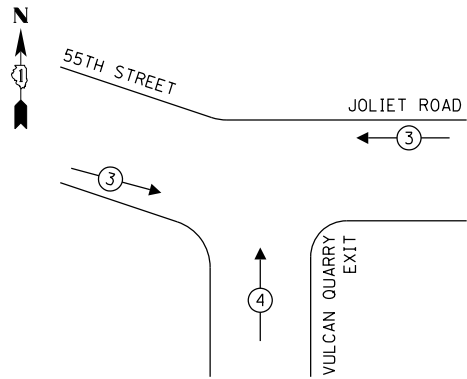
**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

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

**TEMPORARY EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**VULCAN  
QUARRY  
EXIT**

**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	8	11	50	44.0
(YELLOW)	8	20	5	8.0
(GREEN)	8	12	45	43.2
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				370.2

ENERGY COSTS TO:  
VILLAGE OF MCCOOK  
5000 GLENCOE AVENUE  
MCCOOK, IL 60525  
ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
PHONE: (866) 639-3532  
COMPANY: COMMONWEALTH EDISON  
TOWER ACCOUNT NUMBER: 09930-15151

TS SHT NO. 13

FILE NAME =	USER NAME = hassan
DESIGNED - V.O.	REVISED -
CHECKED - L.S.	REVISED -
DATE - 5/24/2019	REVISED -

DESIGNED - V.O.	REVISED -
CHECKED - L.S.	REVISED -
DATE - 5/24/2019	REVISED -

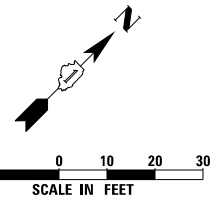
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY STAGE 1 & 2 CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
JOLIET ROAD AND 55TH STREET**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

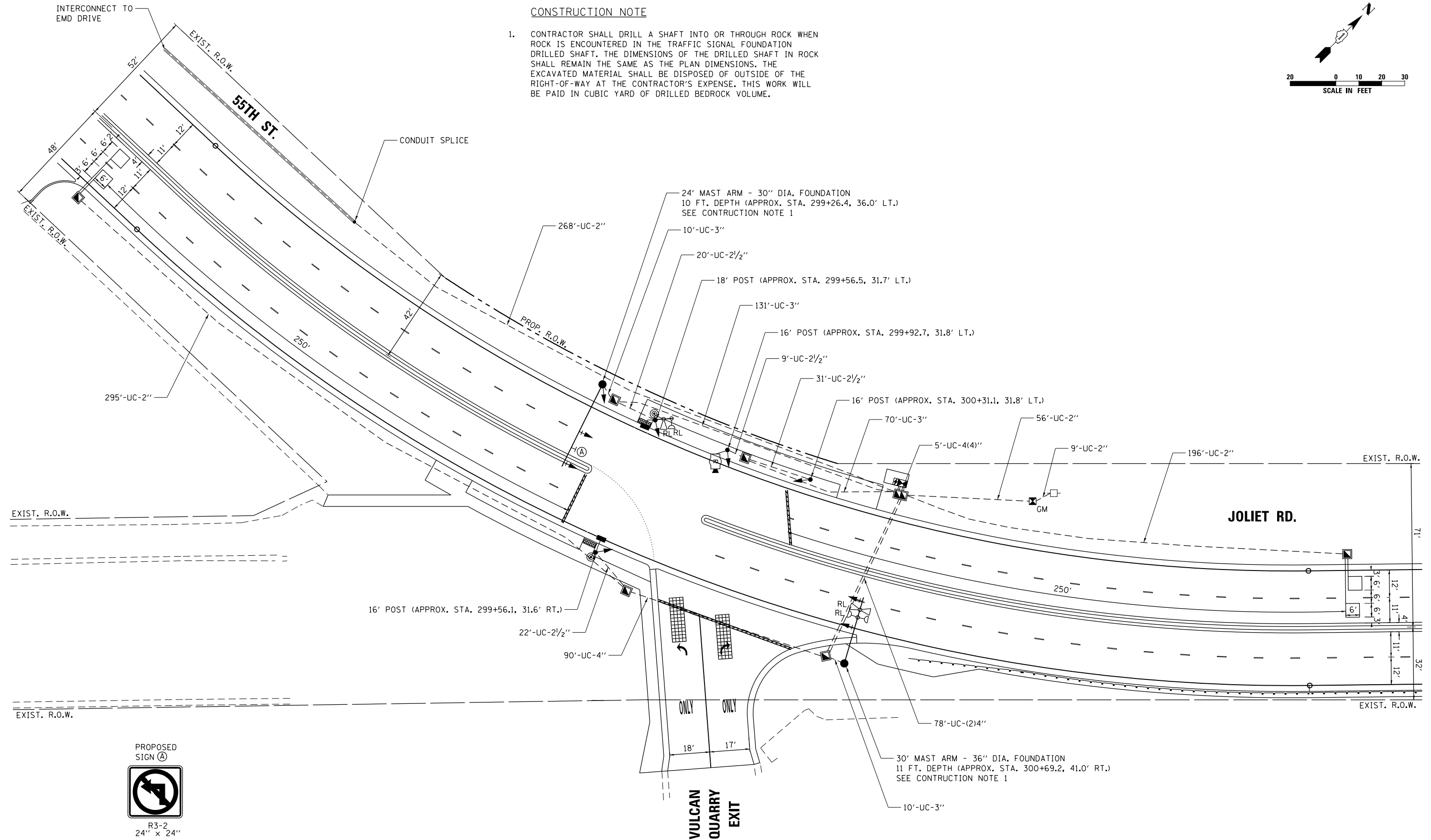
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-XIN)	COOK	99	53
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

**TS 3850  
EAGLE 2B**



CONSTRUCTION NOTE

- CONTRACTOR SHALL DRILL A SHAFT INTO OR THROUGH ROCK WHEN ROCK IS ENCOUNTERED IN THE TRAFFIC SIGNAL FOUNDATION DRILLED SHAFT. THE DIMENSIONS OF THE DRILLED SHAFT IN ROCK SHALL REMAIN THE SAME AS THE PLAN DIMENSIONS. THE EXCAVATED MATERIAL SHALL BE DISPOSED OF OUTSIDE OF THE RIGHT-OF-WAY AT THE CONTRACTOR'S EXPENSE. THIS WORK WILL BE PAID IN CUBIC YARD OF DRILLED BEDROCK VOLUME.



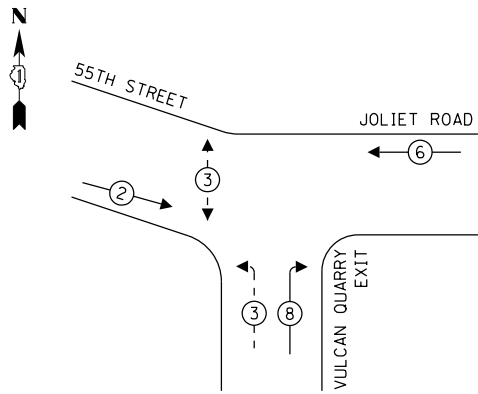
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
JOLIET ROAD AND 55TH STREET

TS 3850  
EAGLE 2B

FILE NAME =	USER NAME = hassan	DESIGNED - V.O.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN JOLIET ROAD AND 55TH STREET	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom.dot\illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\P122112\Drawings\Sheet & Associates Inc\2019\ADD-Sheets\60X71-sht-06 Modernization Plan.dgn	DRAWN -	CHECKED - L.S.	REVISED -			3562	(430V-XIN)	COOK	99	54
PLOT SCALE = 40.0000' / in.	DATE - 5/24/2019	REVISED -	REVISED -			CONTRACT NO. 60X71				
PLOT DATE = 3/23/2020	DATE - 5/24/2019	REVISED -	REVISED -	SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT		

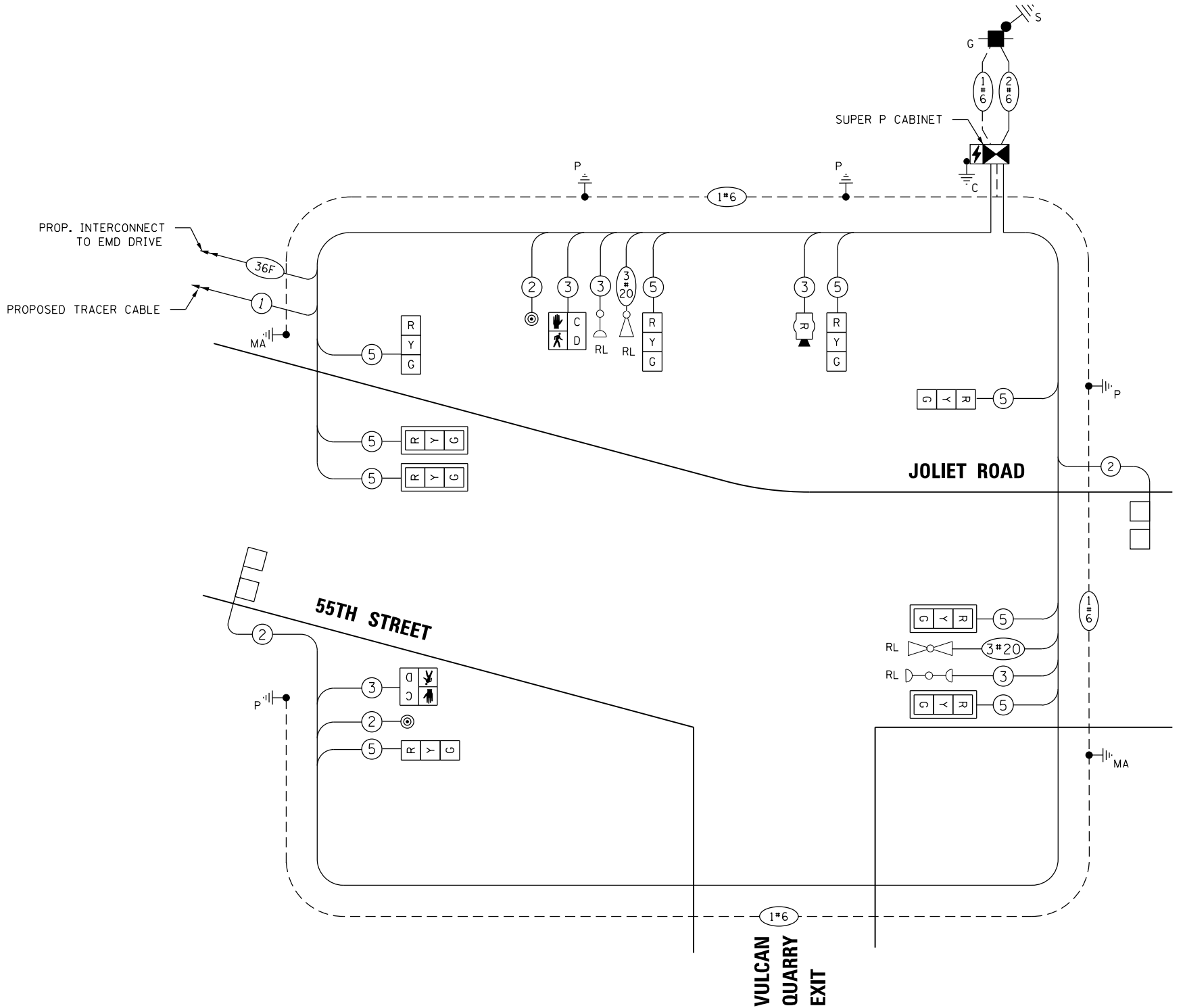
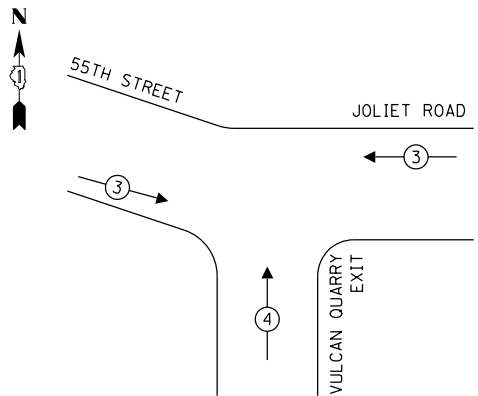
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

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

**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	71.5
(YELLOW)	9	20	5	13.0
(GREEN)	9	12	45	70.2
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				319.7

ENERGY COSTS TO:  
VILLAGE OF MCCOOK  
5000 GLENCOE AVENUE  
MCCOOK, IL 60525  
ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
PHONE: (866) 639-3532  
COMPANY: COMMONWEALTH EDISON  
TOWER ACCOUNT NUMBER: 09930-15151

TS SHT NO. 15

FILE NAME =	USER NAME = hassan
PLT SCALE = 40.0000' / in.	DATE = 5/24/2019
PLT DATE = 3/23/2020	

DESIGNED - V.O.	REVISED -
CHECKED - L.S.	REVISED -
DATE - 5/24/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND  
EMERGENCY VEHICLE PREEMPTION SEQUENCE  
JOLIET ROAD AND 55TH STREET**

SCALE: NTS SHEET NO. OF SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 3562	SECTION (430V-XIN)	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 55
CONTRACT NO. 60X71				

**TS 3850  
EAGLE 2B**

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	556
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	62
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	263
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	266
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	434
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	702
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	1671
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	737
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C	FOOT	80
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	1009
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	8.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	152
PEDESTRIAN PUSH-BUTTON	EACH	2
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	377
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
DRILLED SHAFT IN ROCK (SPECIAL)	CU YD	2.1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

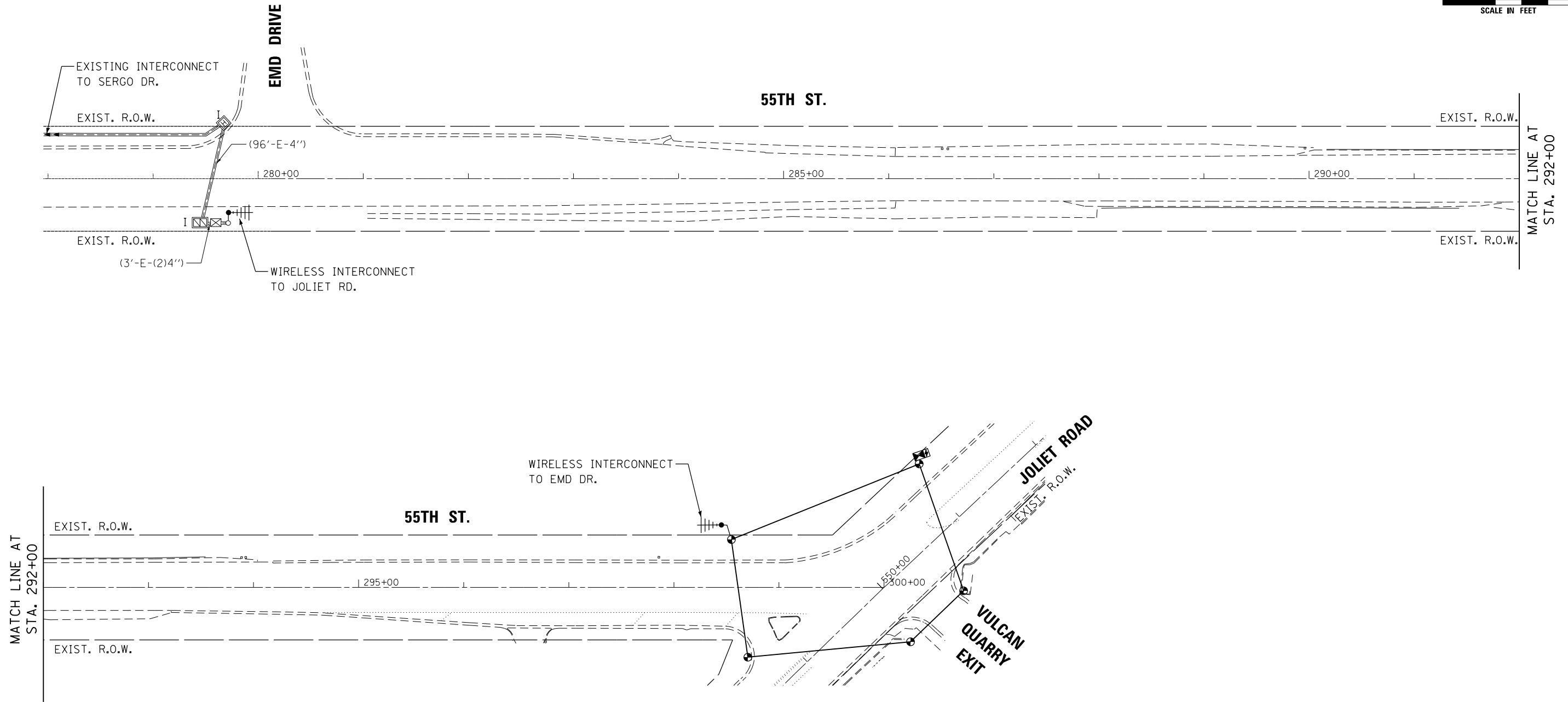
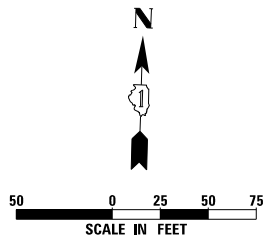
\* 100% COST TO THE VILLAGE OF MCCOOK

TS SHT NO. 16

TS 3850  
EAGLE 2B

FILE NAME =	USER NAME = hassan	DESIGNED - V.O.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES JOLIET ROAD AND 55TH STREET	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\Drawings\Sheet & Associates Inc\2019\ADD-Sheets\60X71-sht-08 Schedule of Quantities.dgn	DRAWN - E.C.	CHECKED - L.S.	REVISED -			3562	(430V-XIN)	COOK	99	56
	PLOT SCALE = 40.0000' / in.	DATE - 5/24/2019	REVISED -			CONTRACT NO. 60X71				
	PLOT DATE = 3/23/2020			SCALE: NTS	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT		



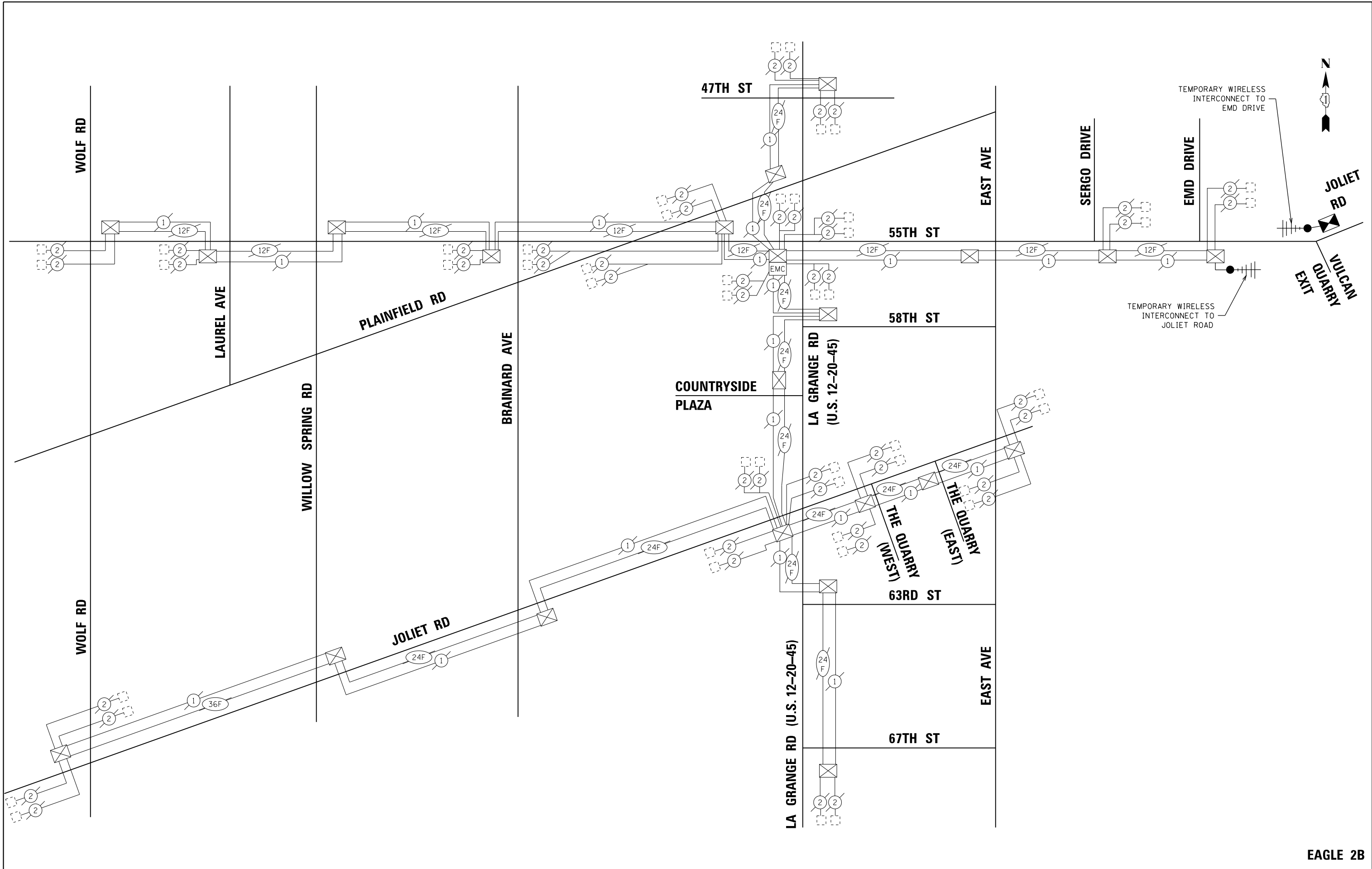


TS SHT NO. 17

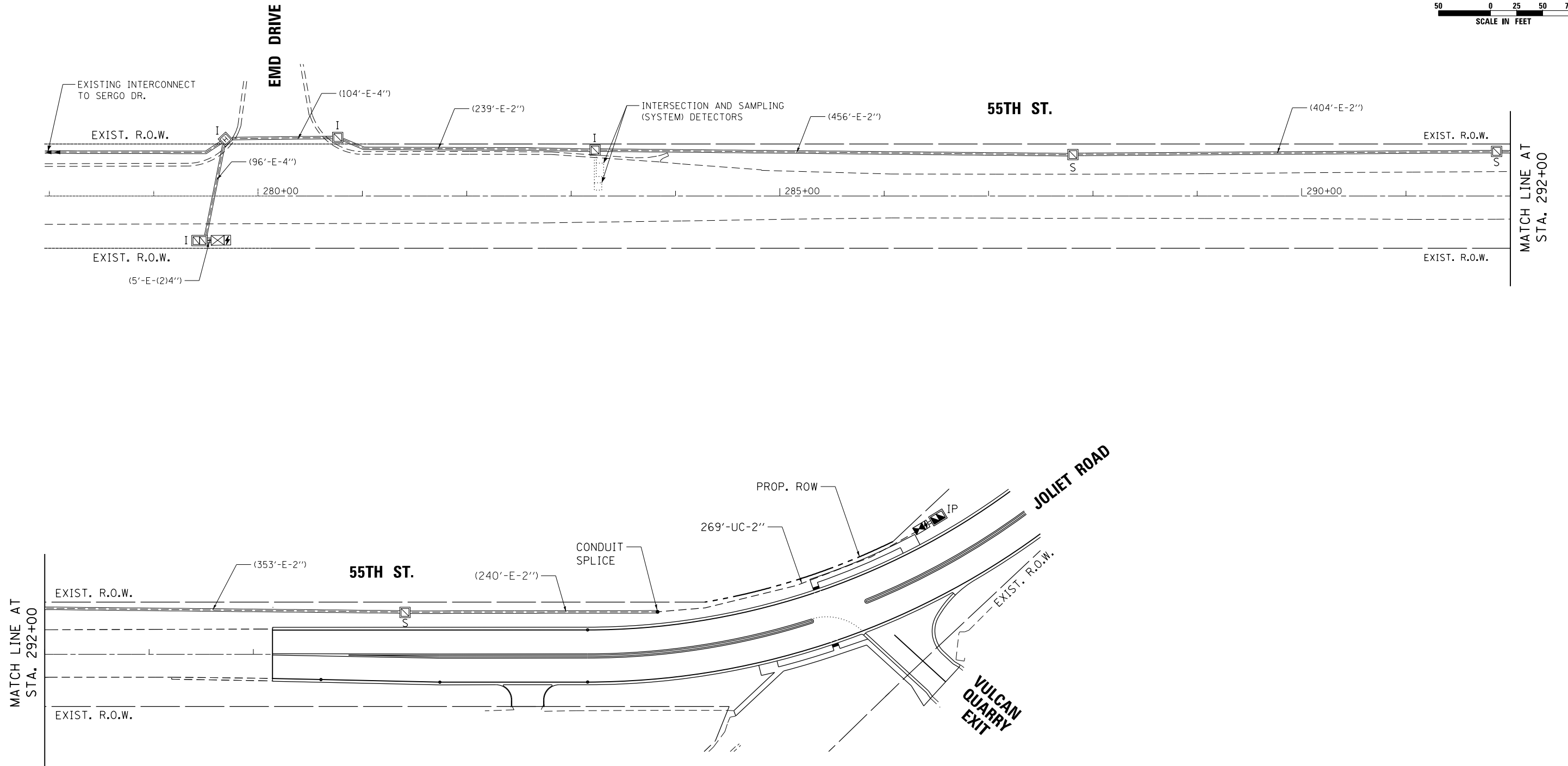
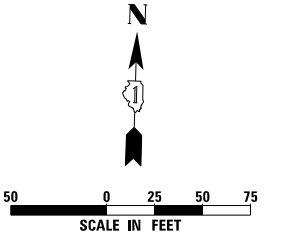
EAGLE 2B

FILE NAME =	USER NAME = hassann	DESIGNED - V.O.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY INTERCONNECT PLAN 55TH STREET FROM EMD DRIVE TO JOLIET ROAD</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\PlanData\Sig & Associates Inc\2019\ADD-Sheets\60X71-sht-09 Temp Interconnect Plan.dgn	DRAWN	CHECKED - L.S.	REVISED -					3562	(430V-XJN)	COOK	99	57
PLOT SCALE = 100.0000' / in.	DATE - 5/24/2019	REVIS	REVIS		CONTRACT NO. 60X71							
PLOT DATE = 3/23/2020					ILLINOIS FED. AID PROJECT							

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A



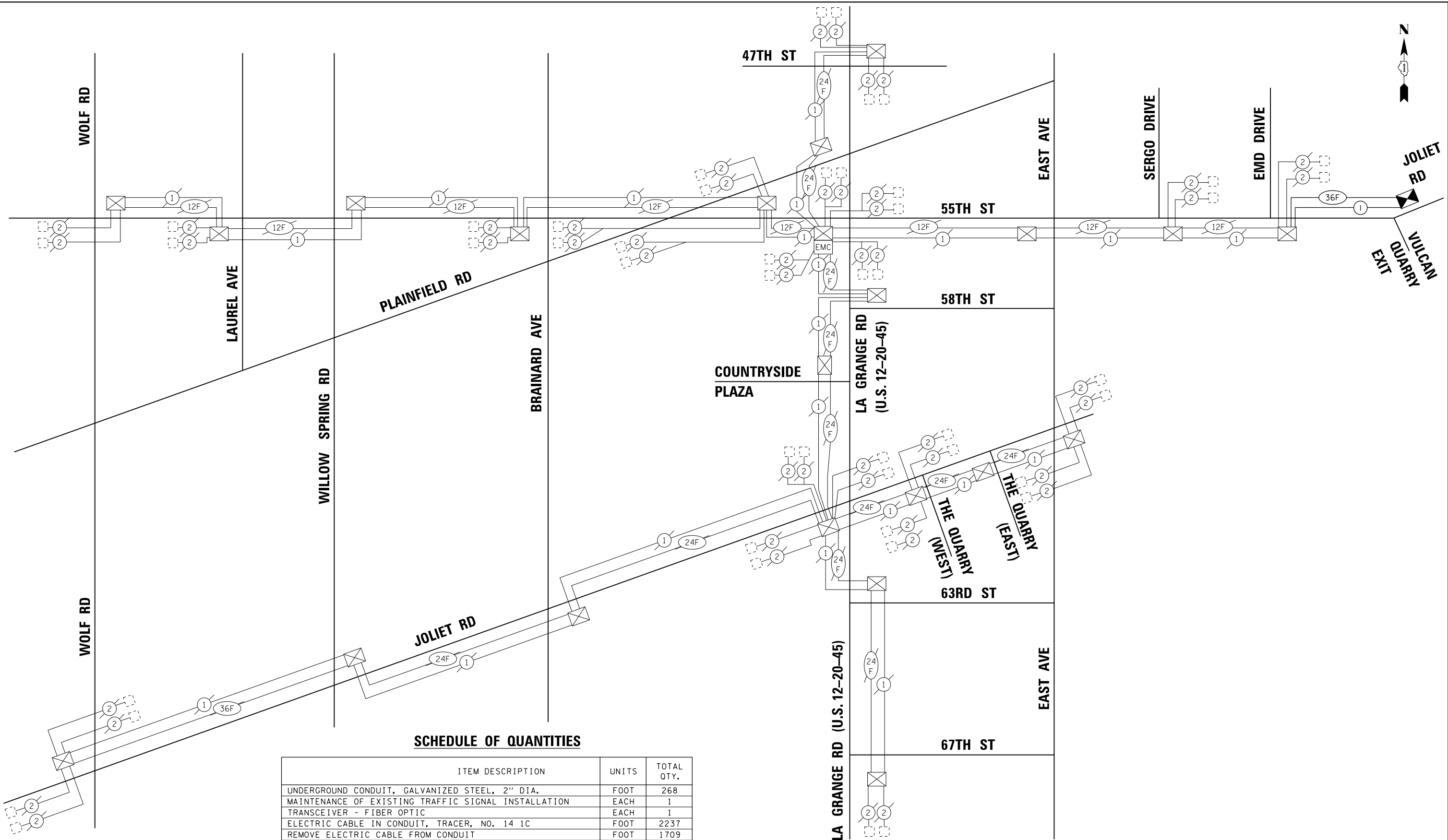
FILE NAME =	USER NAME = hassan	DESIGNED - V.O.	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p> <p align="center"><b>TEMPORARY INTERCONNECT SCHEMATIC</b></p>	F.A.U. R.T.E. = 3562	SECTION = (430V-XIN)	COUNTY = COOK	TOTAL SHEETS = 99	SHEET NO. = 58	
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\PI22112\Drawings\Temp\Interconnect Schematics.dgn		DRAWN = S.C.	REVISIONS		SCALE: NTS	SHEET NO. 1	OF 1 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 60X71
		CHECKED - L.S.	REVISIONS							ILLINOIS FED. AID PROJECT
		PLOT DATE = 3/23/2020	DATE = 5/24/2019	REVISIONS						



TS SHT NO. 19

EAGLE 2B

FILE NAME = p:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\PlanRoomData\Singh & Associates Inc\2019\ADD-Sheets\60X71-sht-11 Interconnect Plan.dgn	USER NAME = hassann	DESIGNED - V.O.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERCONNECT PLAN 55TH STREET FROM EMD DRIVE TO JOLIET ROAD</b>			F.A.U. RTE. 3562	SECTION (430V-XJN)	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 59
	PLOT SCALE = 100.0000' / in.	CHECKED - L.S.	REVISED -		SCALE: 1"=50'	SHEET NO. 1	OF 1 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 60X71		
PLOT DATE = 3/23/2020	DATE = 5/24/2019	REVISED -			ILLINOIS FED. AID PROJECT							



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	268
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2237
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1709
* ROD AND CLEAN EXISTING CONDUIT	FOOT	200
CONDUIT SPLICE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F	FOOT	2266
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

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

FILE NAME =	USER NAME = hassan	DESIGNED - V.O.	REVISED -
p:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122112\NonData\Sig & Associates Inc\2019\ADD-Sheets\60X71-sht-12 Interconnect Schematics.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - L.S.	REVISED -
	PLOT DATE = 3/23/2020	DATE - 5/24/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-XIN)	COOK	99	60
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				



**SCHEDULE OF QUANTITIES**

CODE NO.	ITEM	UNIT	QTY.
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	2
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	135
81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1372
81702170	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2/0	FOOT	117
81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	393
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	13
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
83007500	LIGHT POLE, ALUMINUM, 35 FT. M.H., 12 FT. MAST ARM	EACH	7
83057285	LIGHT POLE, WOOD, 50 FOOT, CLASS 3, WITH 15FT MAST ARM	FOOT	2
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	63
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	7
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	2
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	9
84200804	REMOVAL OF POLE FOUNDATION	EACH	9
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
X8210040	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	13
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6

MODEL: \$MODELNAME\$  
FILE NAME: \$FILES\$



USER NAME = \$USERS\$	DESIGNED - SG	REVISED -
	DRAWN - SG	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - RP	REVISED -
PLOT DATE = \$DATE\$	DATE - 6/18/2019	REVISED -

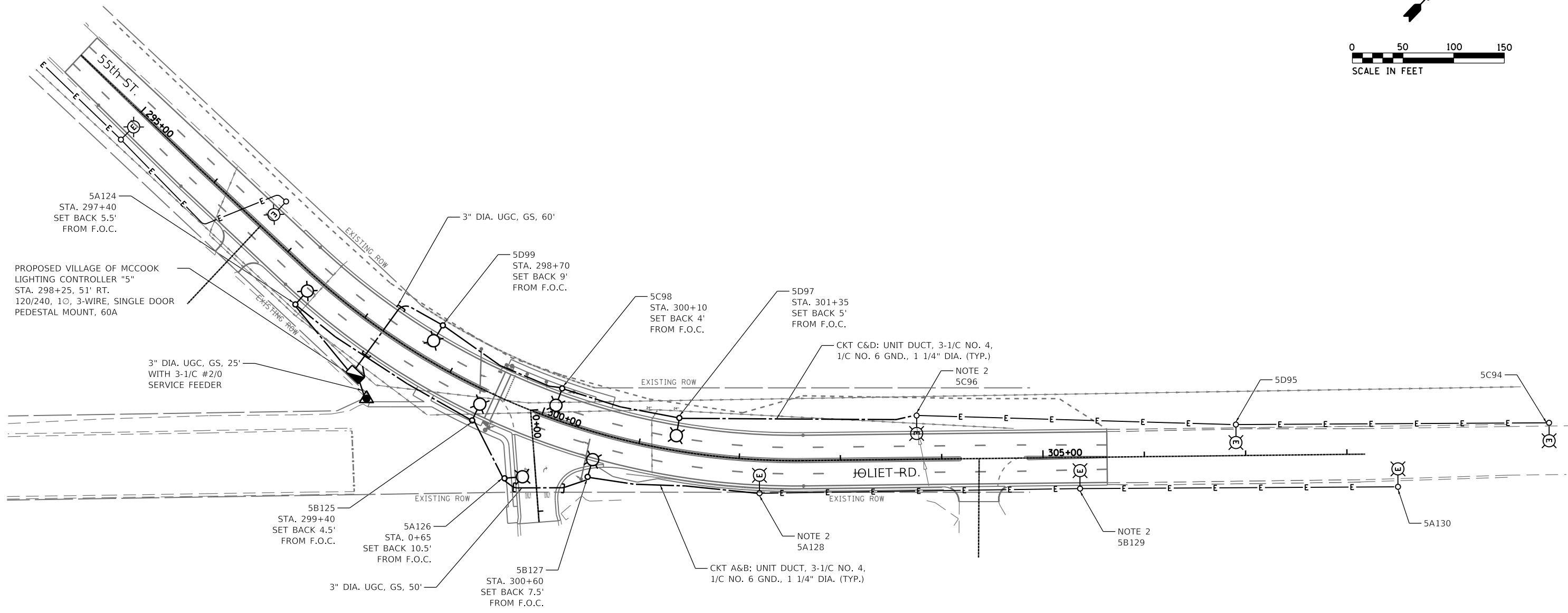
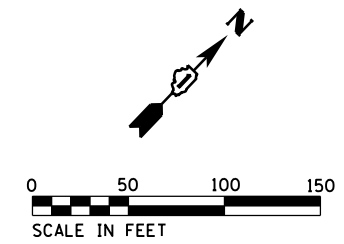
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	62
			CONTRACT NO. 60X71	
			ILLINOIS FED. AID PROJECT	





PROPOSED VILLAGE OF MCCOOK LIGHTING CONTROLLER "5" STA. 298+25, 51' RT. 120/240, 1Ø, 3-WIRE, SINGLE DOOR PEDESTAL MOUNT, 60A

- NOTES:**
- SEE SHEET E-01 FOR LIGHTING LEGEND, ABBREVIATIONS AND GENERAL NOTES.
  - EXISTING HPS LUMINAIRE SHALL BE REMOVED (NO SALVAGE) AND REPLACED WITH NEW LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G. EXISTING WIRING, SPD, AND FUSES SHALL BE REMOVED AND REPLACED IN KIND. REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03. THE COST OF THIS WORK SHALL BE INCLUDED IN THE "LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G" PAY ITEM.
  - LED LUMINAIRES INSTALLED ON EXISTING LIGHT POLES SHALL BE INSTALLED AT A TILT OF 5 DEGREES ABOVE HORIZONTAL.
  - EXISTING HPS LUMINAIRES ON LIGHTING UNITS 95, 130, AND 94 SHALL BE REMOVED AND REPLACED WITH LED LUMINAIRES ACCORDING TO NOTES 2 AND 3.

MODEL: \\SINGH\DEL\NAME\... FILE NAME: I:\232\AV\21\LOGIC\CADD\_Sheets\60X71-sh-lighting04.dgn



USER NAME = sgruberman	DESIGNED - SG	REVISED -
PLOT SCALE = 100:1	DRAWN - SG	REVISED -
PLOT DATE = 23-APR-2020 09:45	CHECKED - RP	REVISED -
	DATE - 6/18/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN**

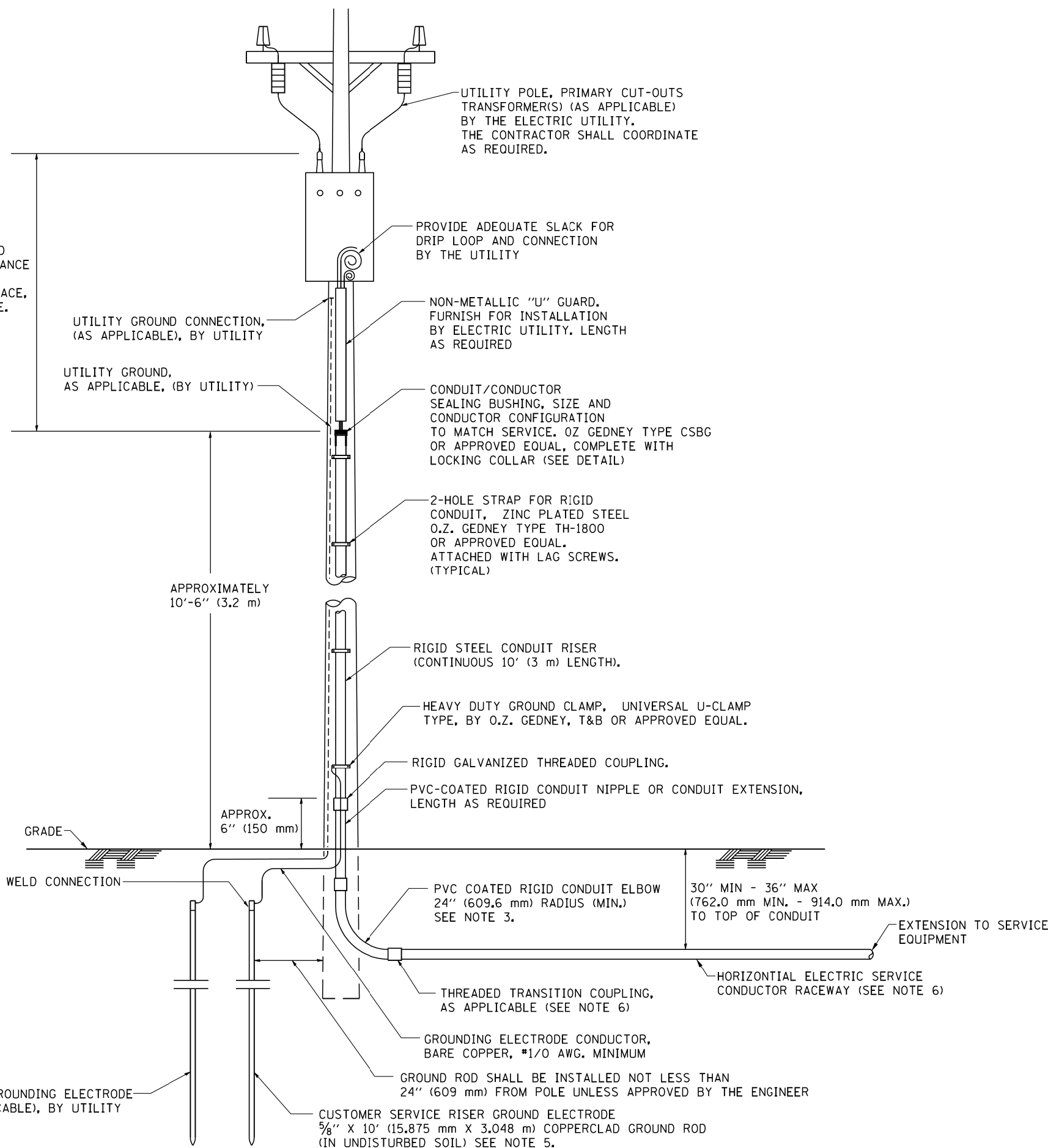
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	64
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				





ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

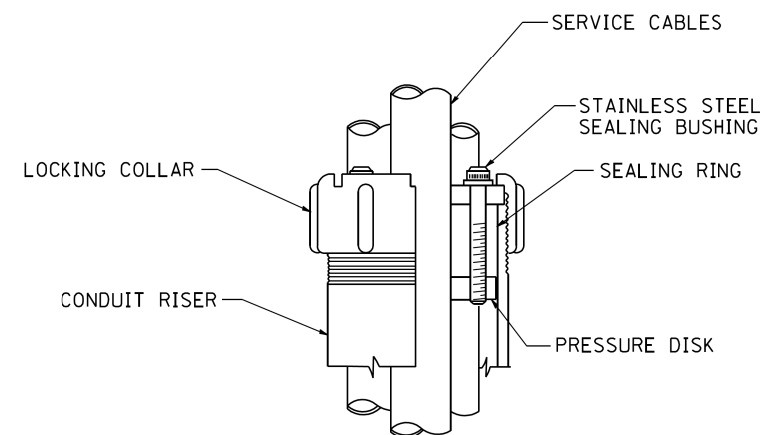


**APPLICATION**

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

**NOTES**

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.

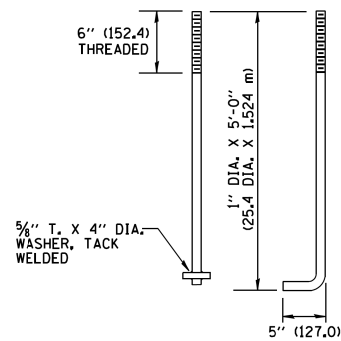
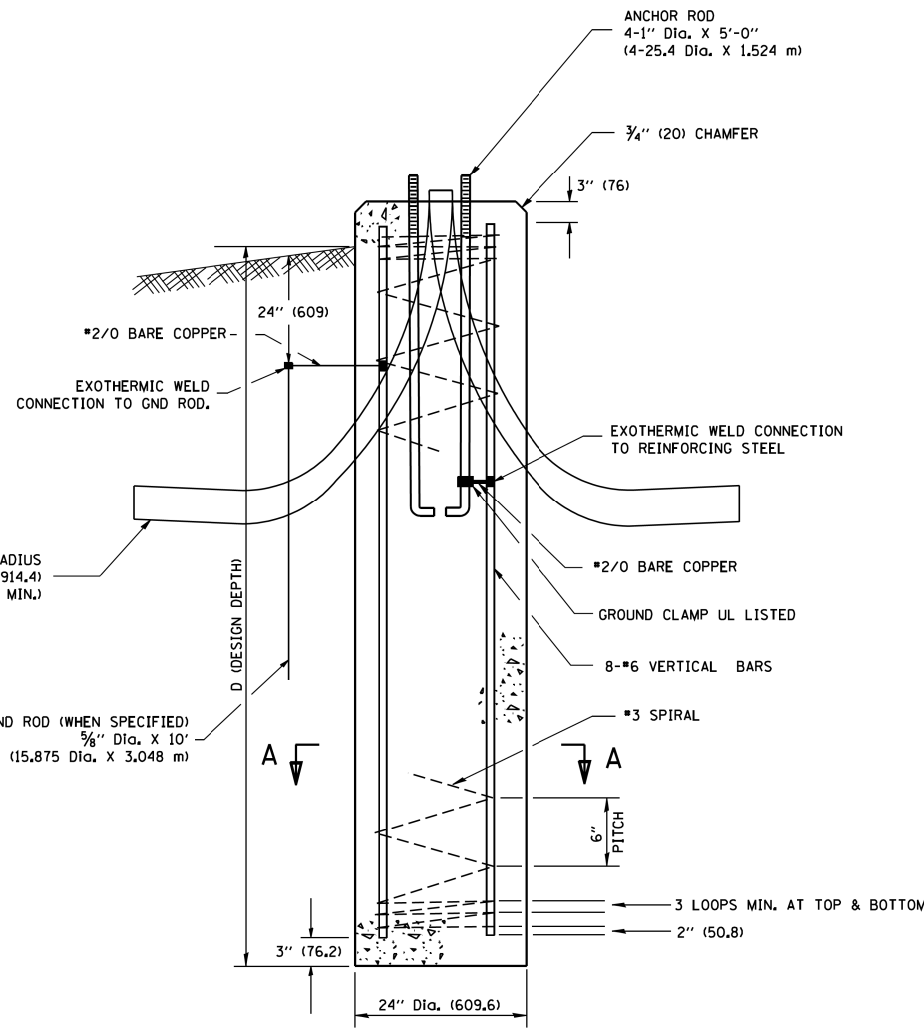
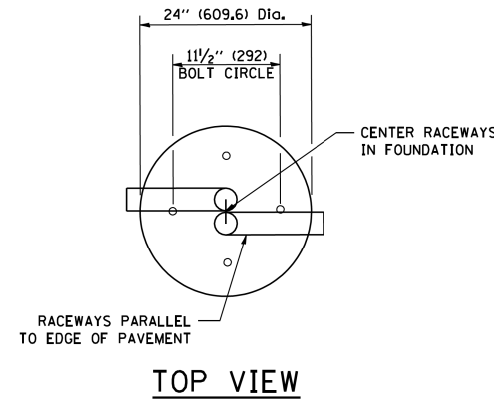


**SEALING BUSHING DETAIL**

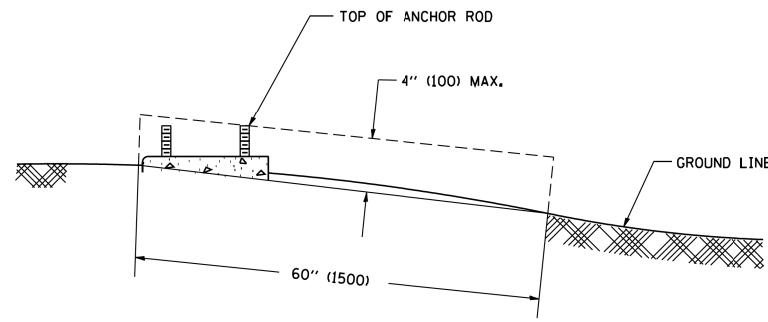
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PLOT SCALE = 50,0000' / IN.	CHECKED - MEA	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BE-220</b>		CONTRACT NO. 60X71	
PLOT DATE = 1/4/2008	DATE -	DRAWN -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

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

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

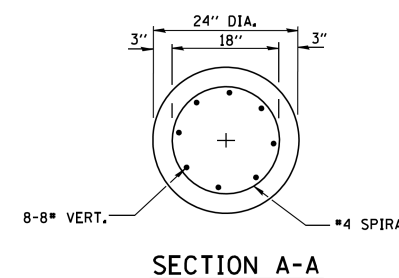


**ANCHOR BOLT DETAIL**



**FOUNDATION EXTENSION DETAIL**

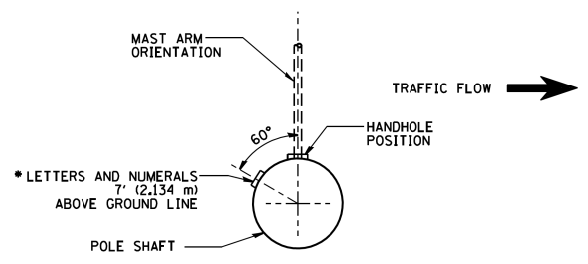
**FOUNDATION DETAIL**



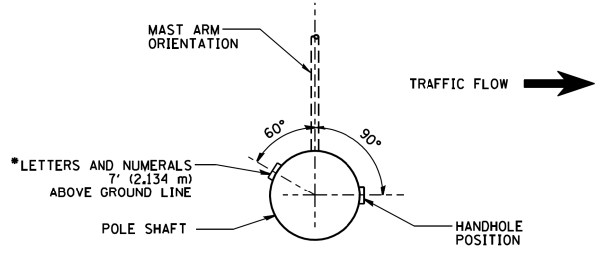
**SECTION A-A**

**NOTES**

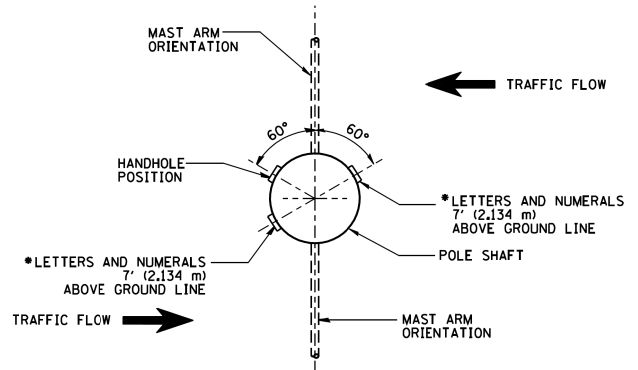
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION,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



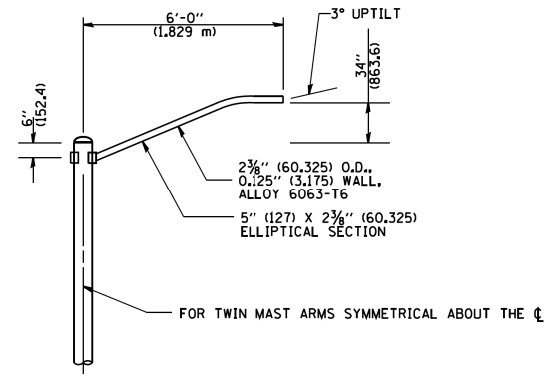
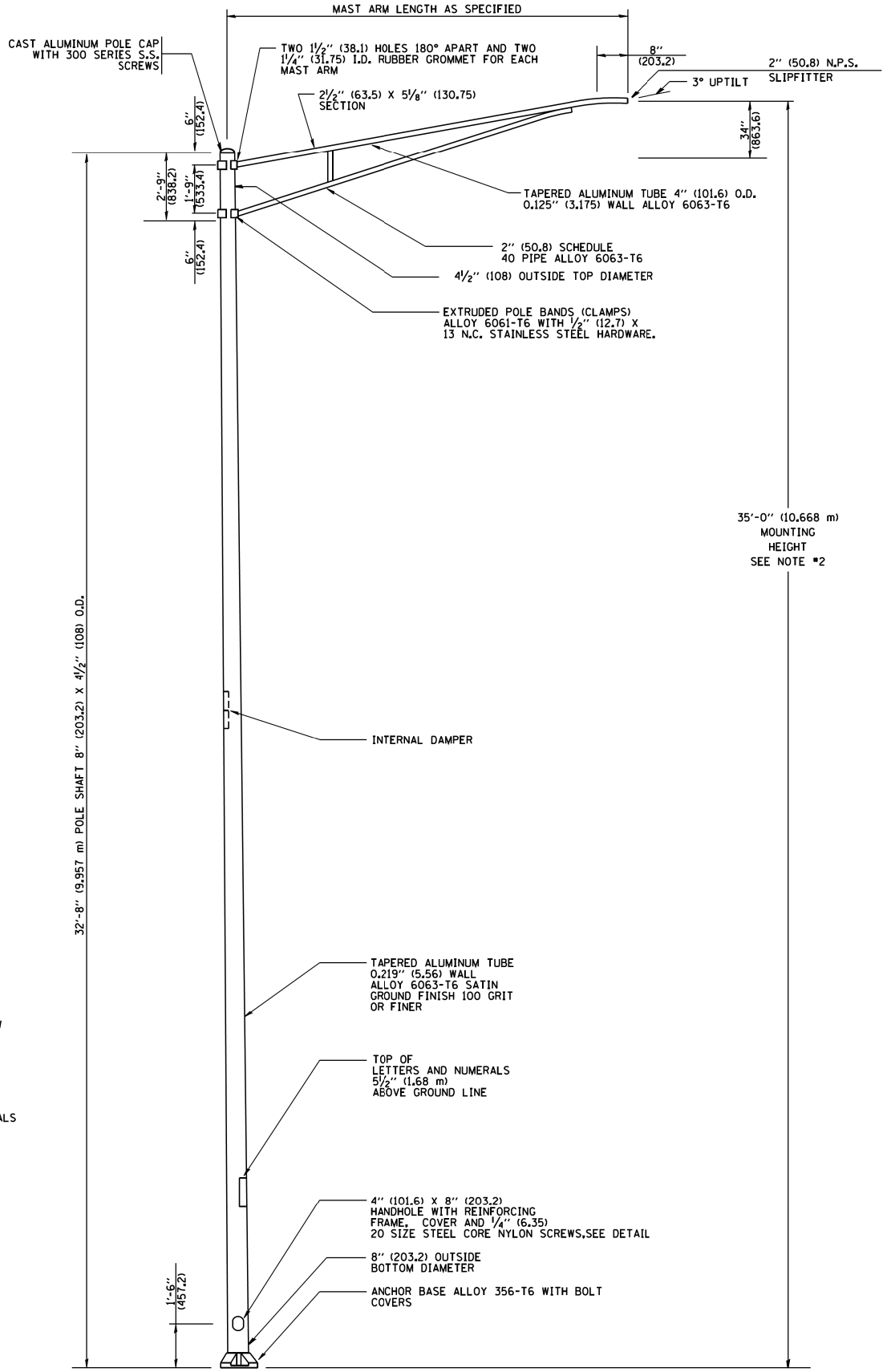
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

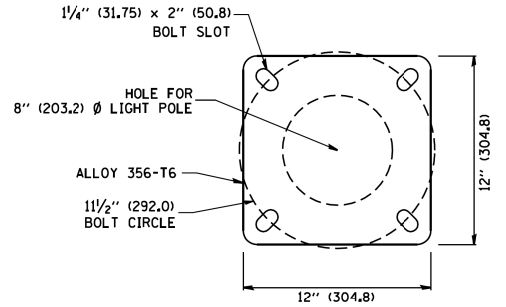


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

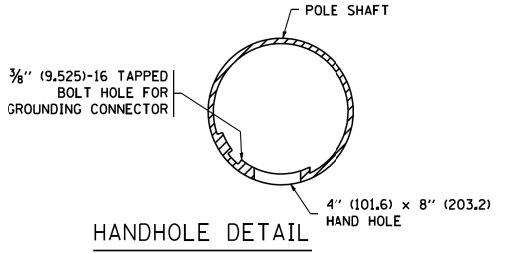


6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)

- NOTES:
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
  2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
  3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
  4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
  5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
  6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
  7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



LIGHT POLE BASE PLATE DETAIL  
1 1/2" (292.0) BOLT CIRCLE



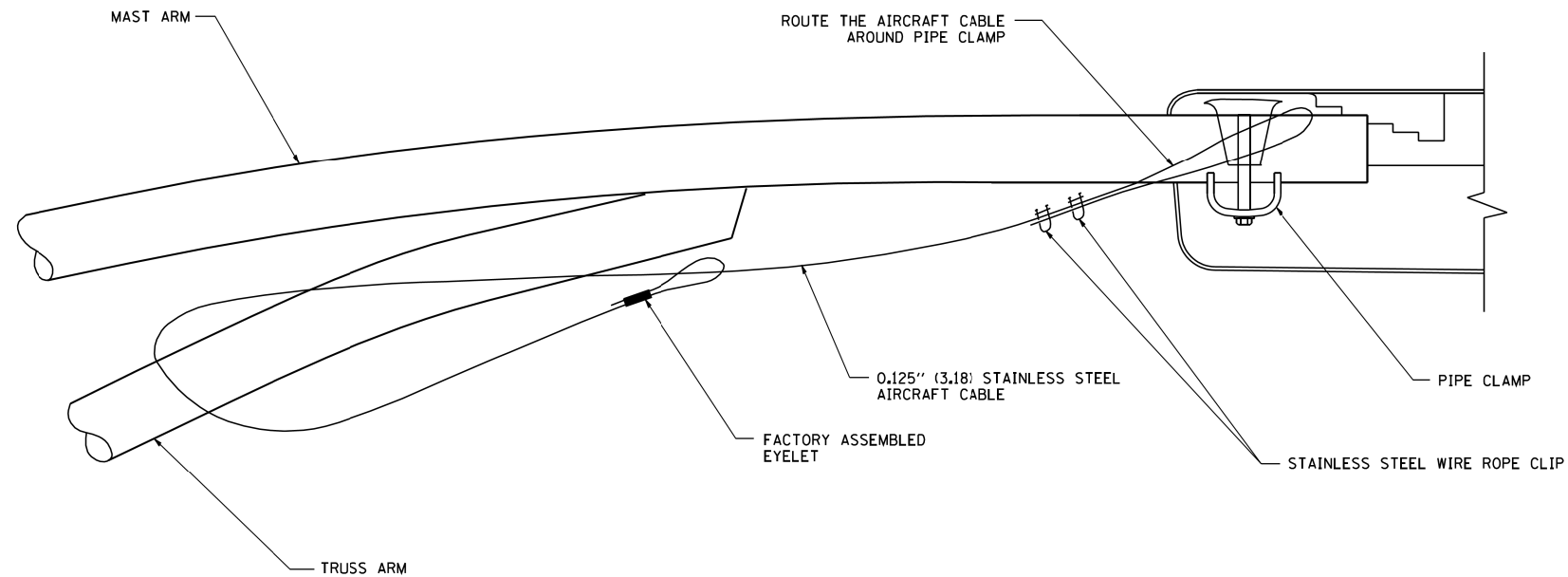
HANDHOLE DETAIL (N.T.S.)

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		DRAWN -	REVISED - R. TOMSONS 09-02-03
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	PLOT DATE = 1/4/2008	DATE -	REVISED -

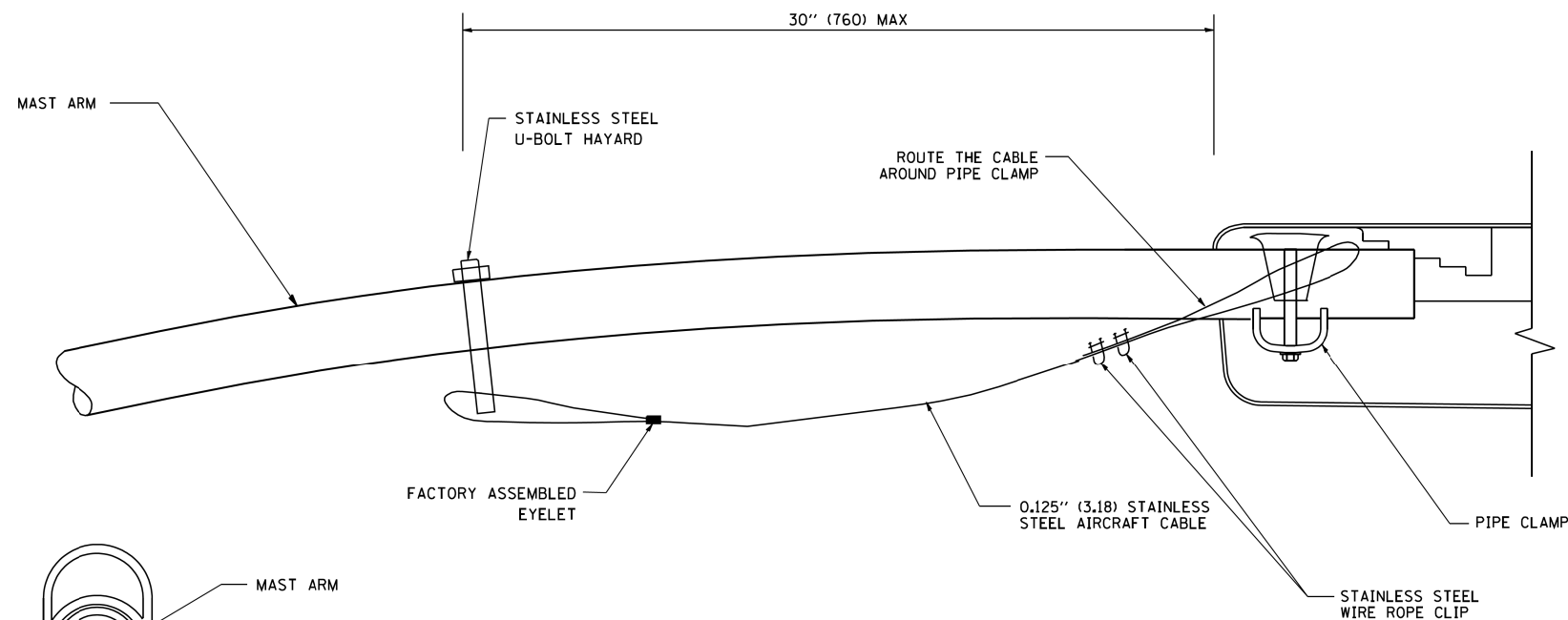
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALUMINUM LIGHT POLE			
35'-0" (10.668 m) MOUNTING HEIGHT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

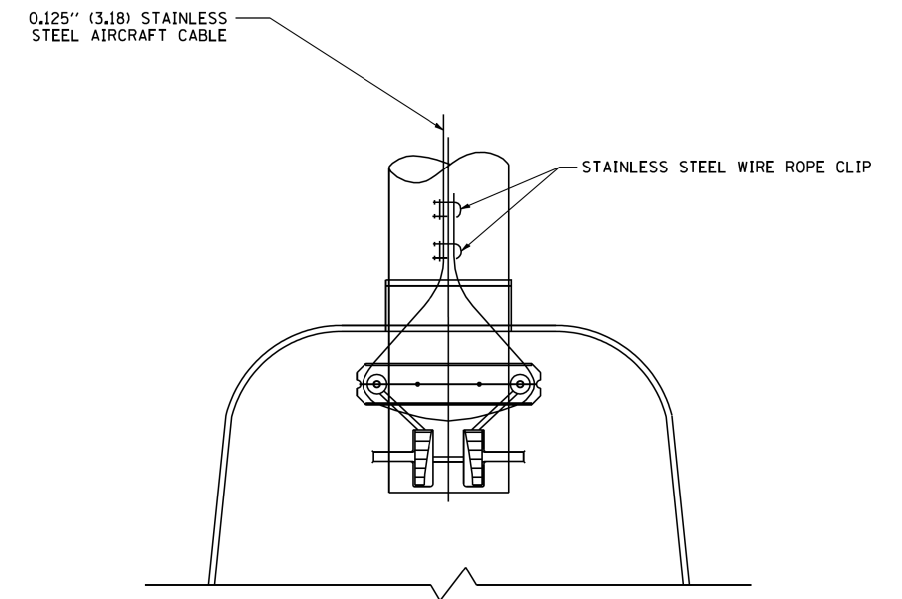
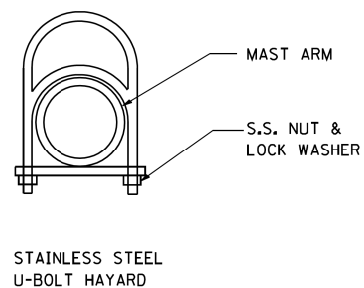
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X1N)	COOK	99	68
BE-402		CONTRACT NO. 60X71		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



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

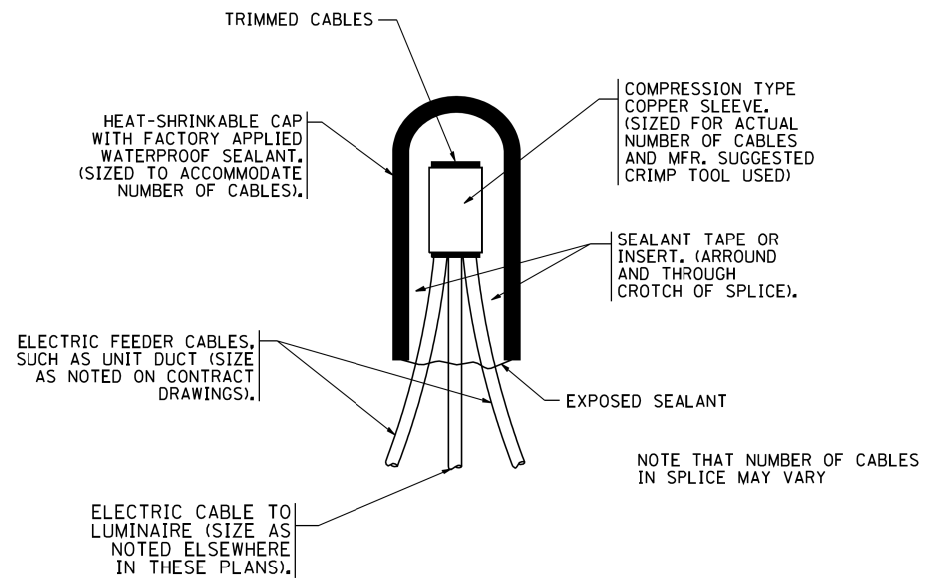


**BOTTOM VIEW**  
N.T.S.

**NOTES:**

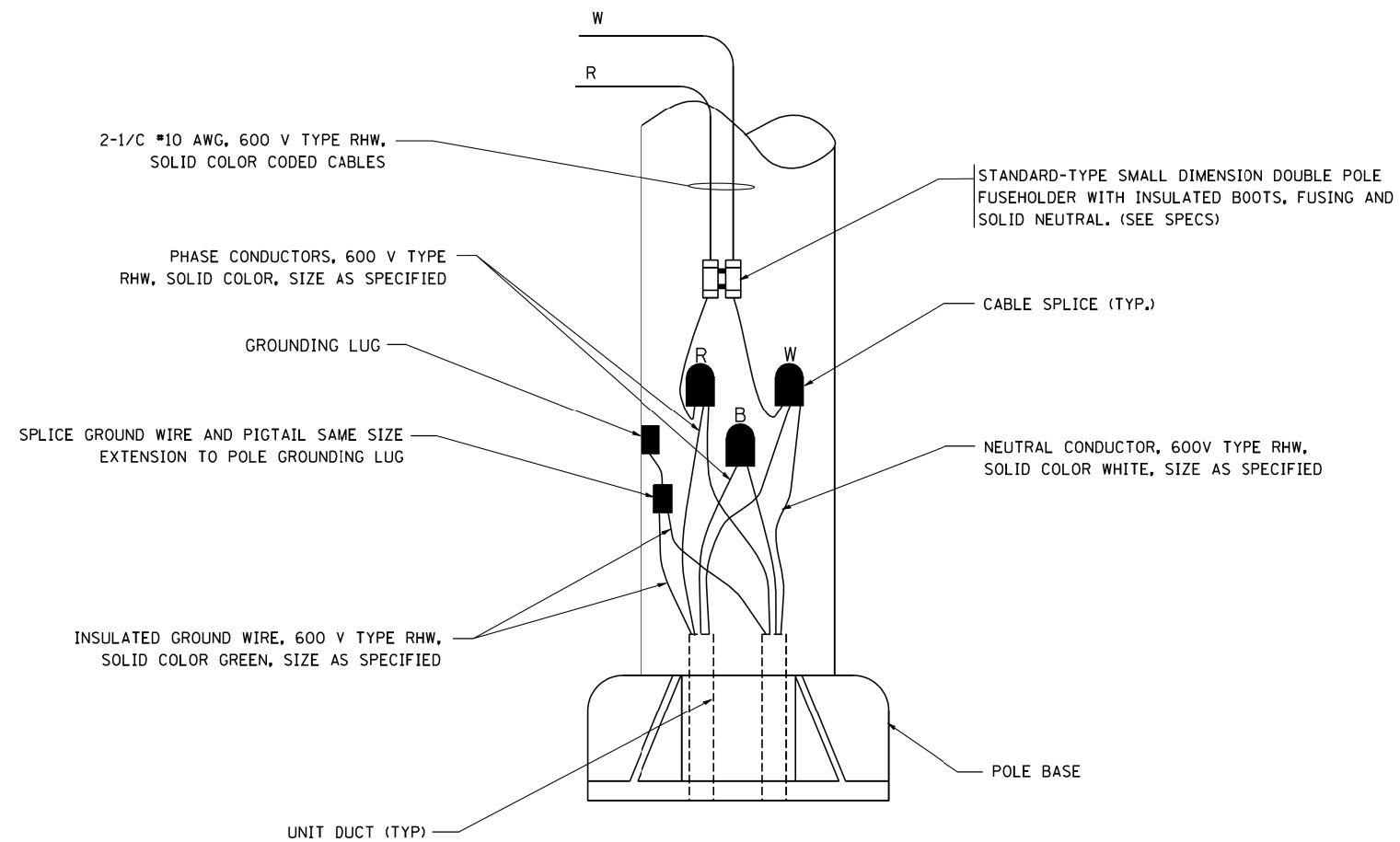
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700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

FILE NAME = W:\diststd\22x34\be701.dgn	USER NAME = geglano	DESIGNED -	REVISED - 08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LUMINAIRE SAFETY CABLE ASSEMBLY</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/4/2008	CHECKED -	REVISED -	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60X71				
	DATE -	REVISED -	FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT									



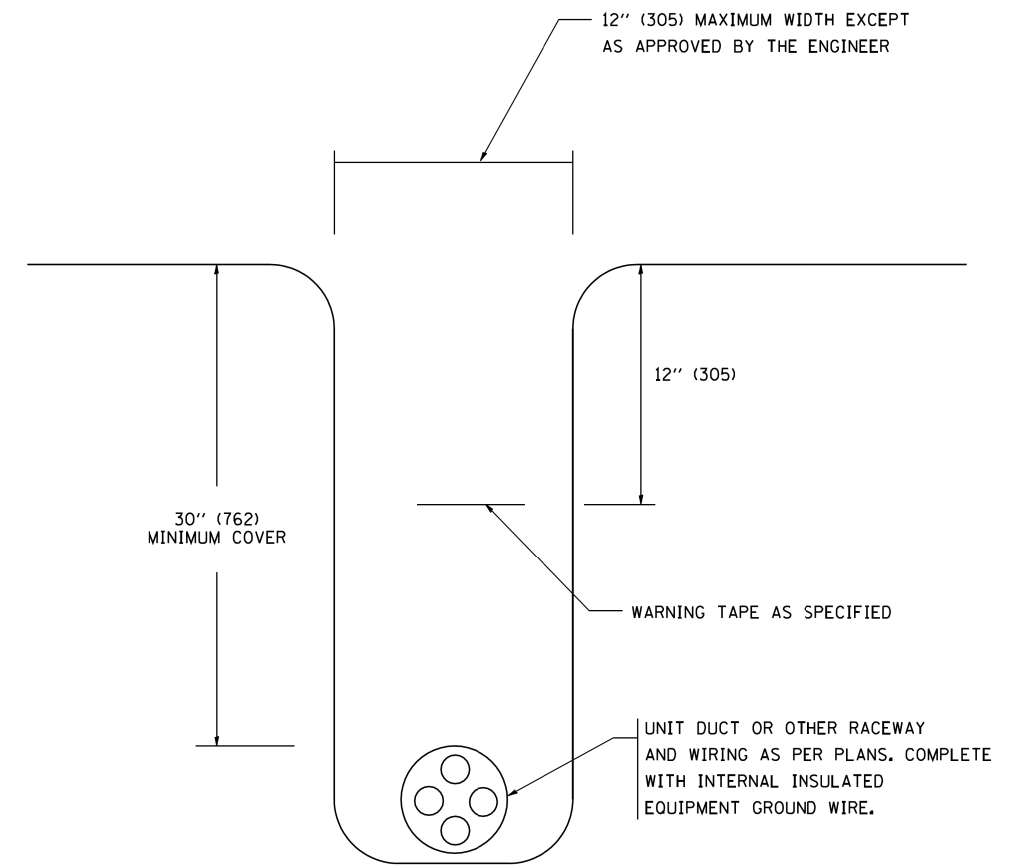
**TYPICAL SPLICE DETAIL**

N.T.S.



**POLE WIRING DETAIL**

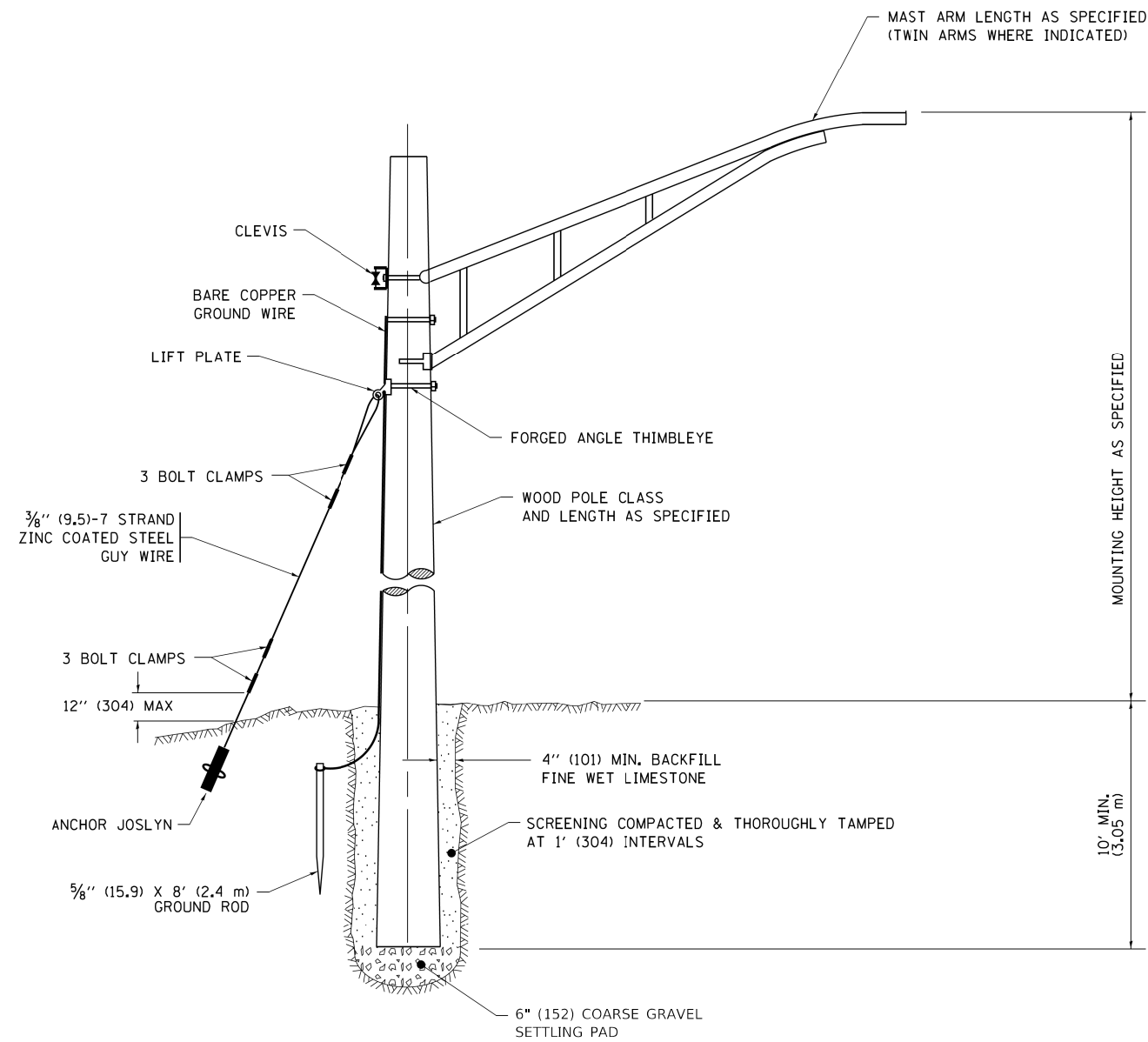
N.T.S.



**TYPICAL WIRING IN TRENCH DETAIL**

N.T.S.

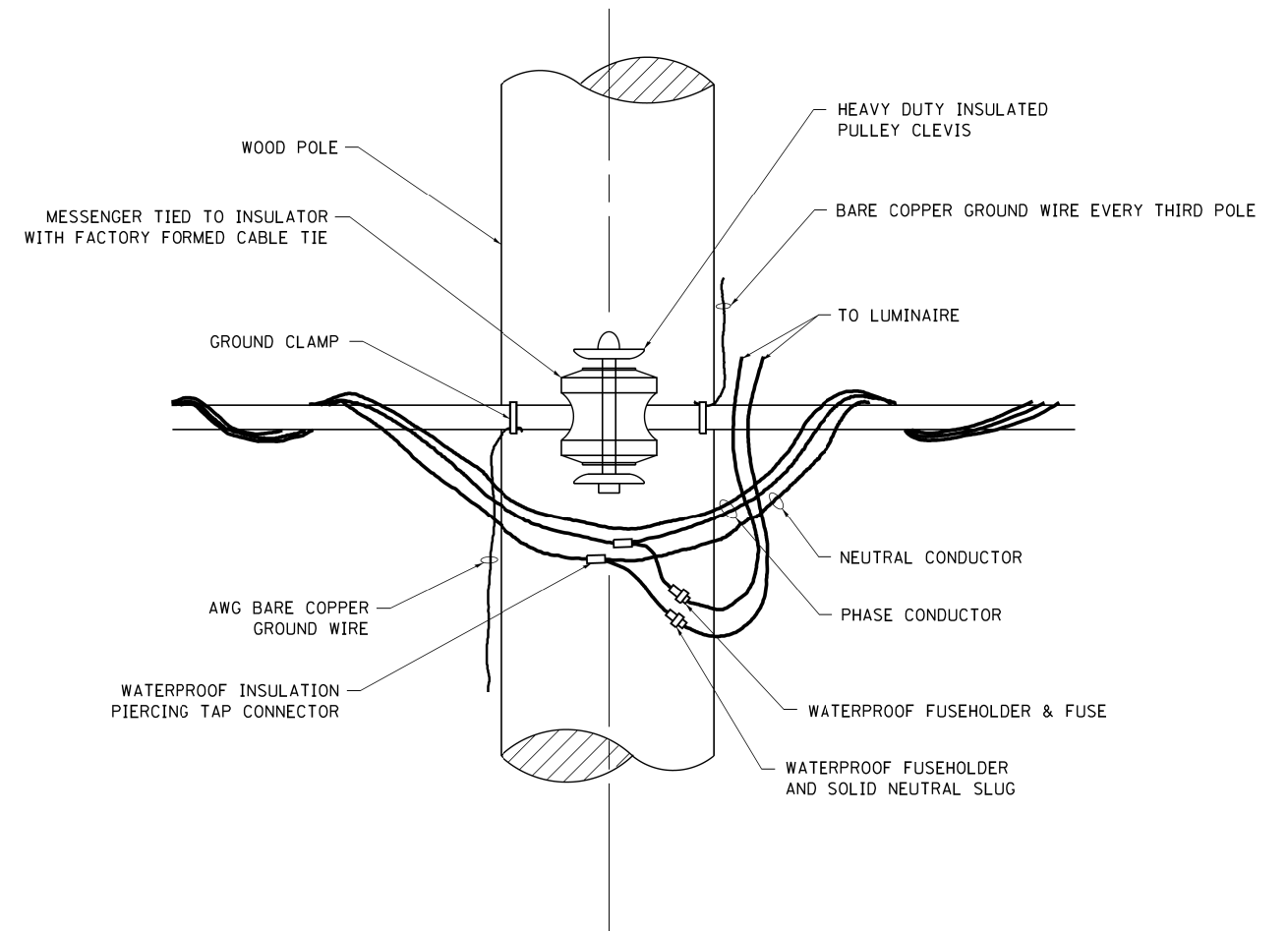
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	PLOT DATE = 1/4/2008	DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
<b>E-10</b>												



### TEMPORARY LIGHT POLE DETAIL

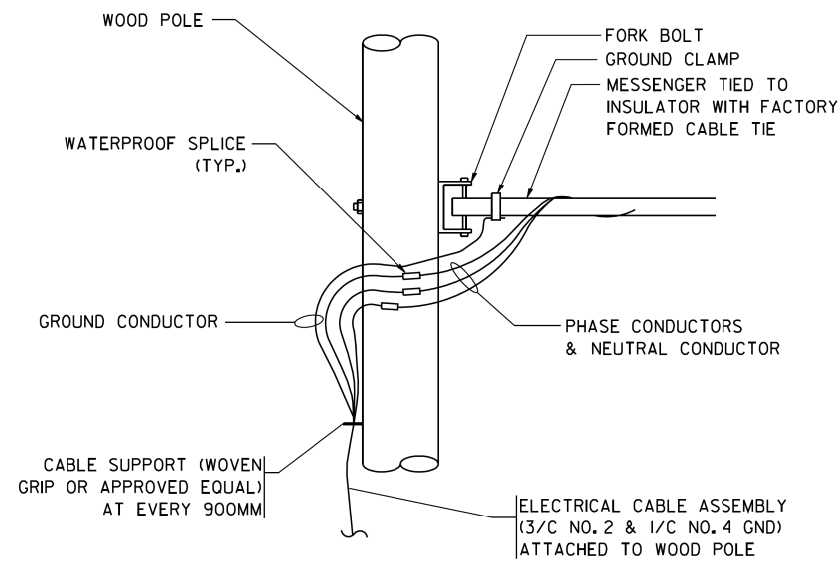
**NOTE:**

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

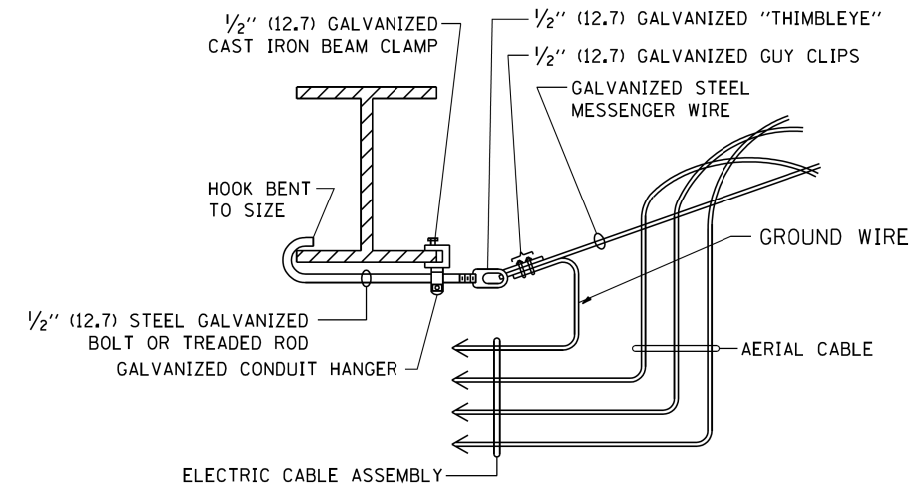


### TEMPORARY LIGHT POLE ATTACHMENT DETAIL

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pw\j\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist	DRAWN\CADDData\CADsheets\be800.dgn	REVISIONS	REVISED - R.T. 07-26-16					3562	(430V-X)N	COOK	99	71
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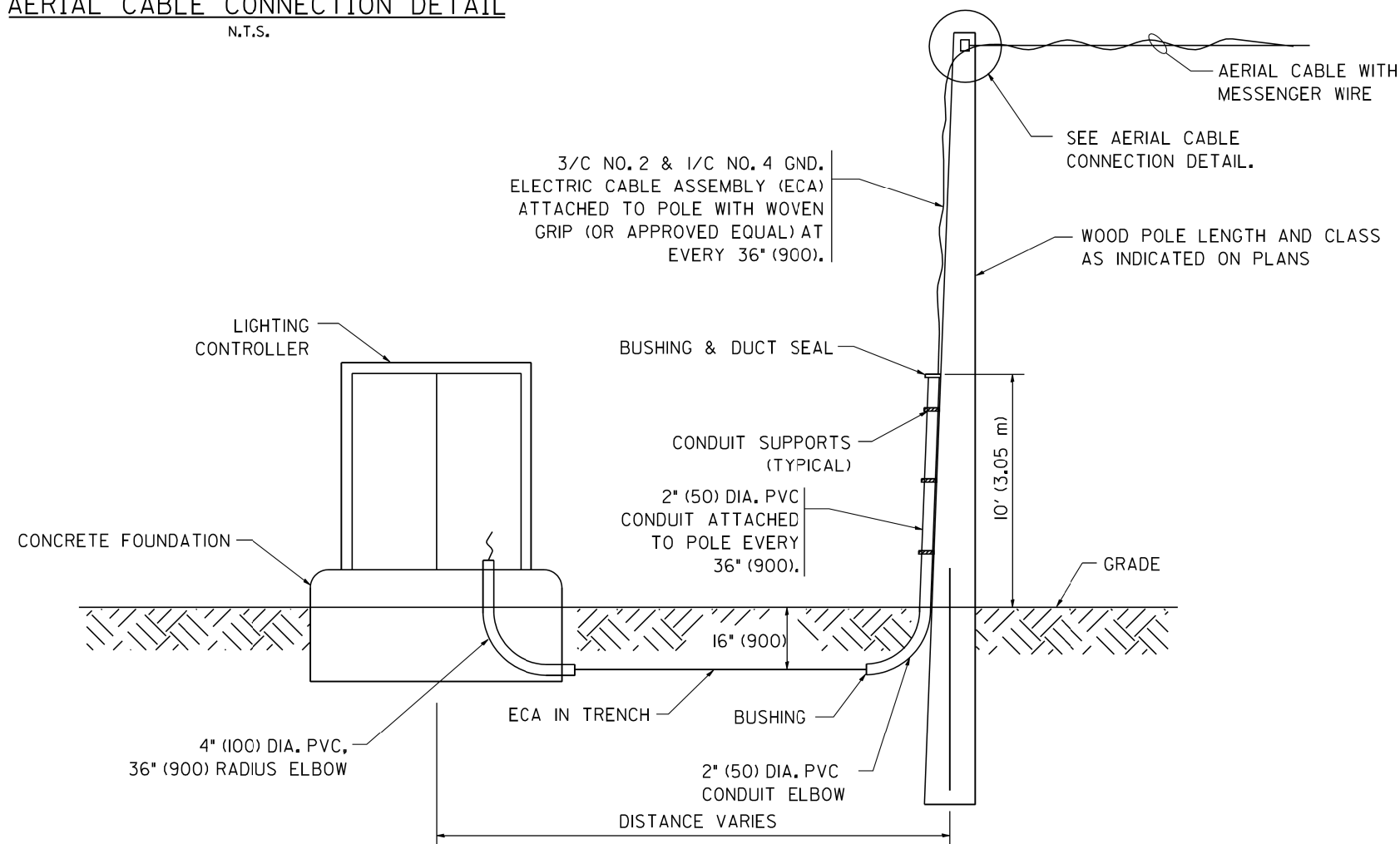
**AERIAL CABLE CONNECTION DETAIL**  
N.T.S.



**AERIAL CABLE ATTACHED TO STRUCTURE**  
NOT TO SCALE

**NOTES:**

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



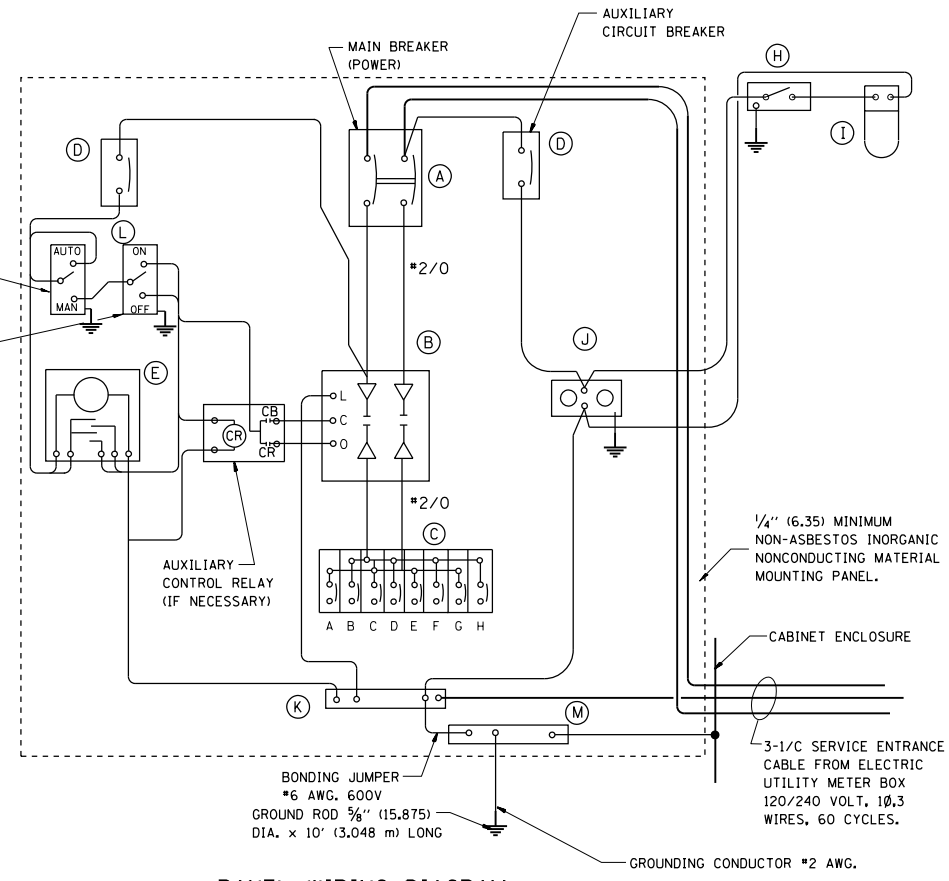
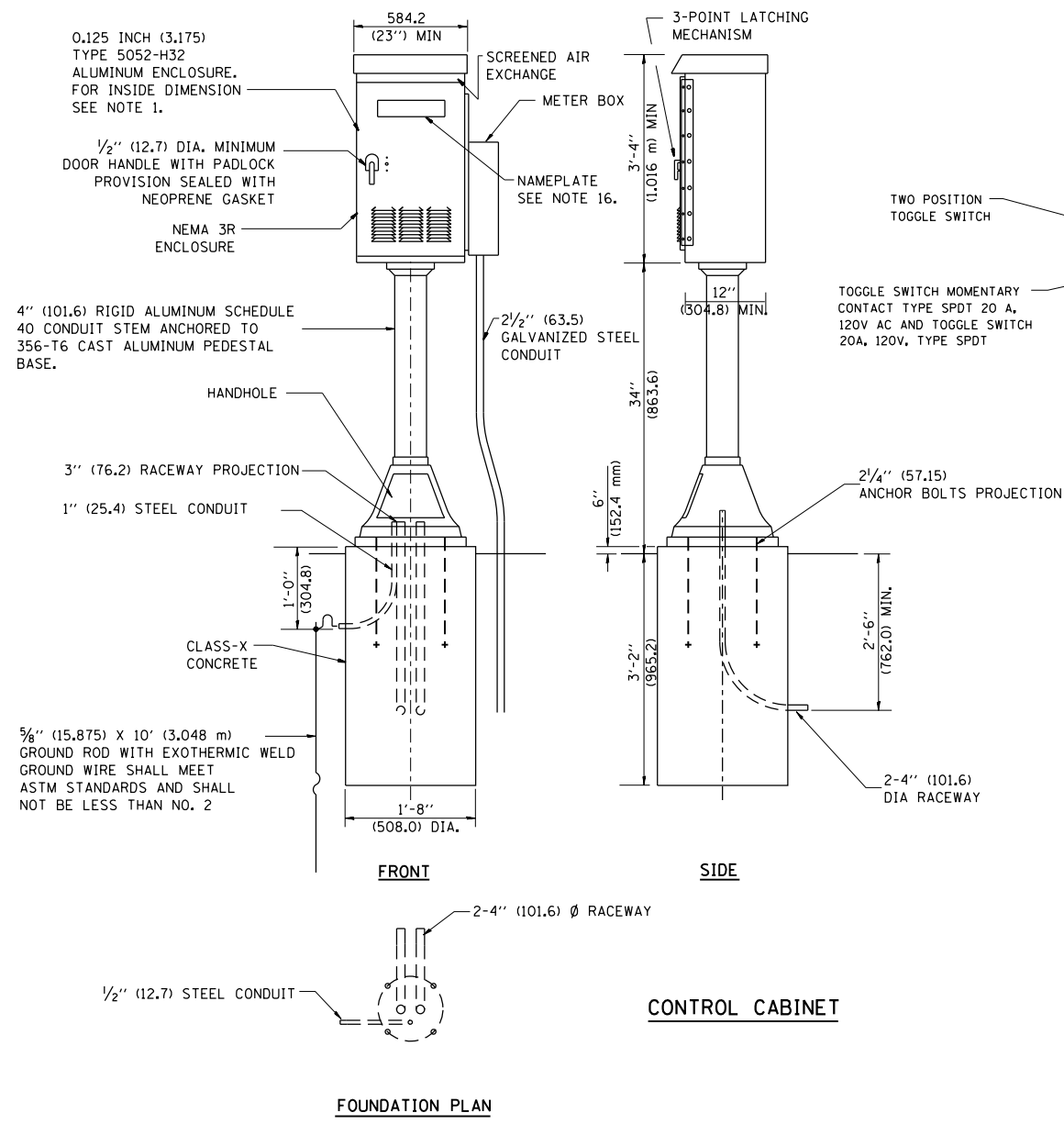
**WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL**  
N.T.S.

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PLOT DATE = 1/4/2008	DATE -	REVISIED -	REVISIED -		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT							



PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 60 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 120V., 100 AMP., FRAME 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 120 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 120 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH].
F	1	NOT USED
G	1	NOT USED
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS



NOTES:

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- UNLESS OTHERWISE INDICATED, THE CABINET SHALL BE MOUNTED ATOP A 4-INCH (101.6 mm) RIGID ALUMINUM SCHEDULE 40 CONDUIT STEM ANCHORED TO A CAST ALUMINUM PEDESTAL BASE.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18,288 mm) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.  
 R = RED      BL = BLUE      W = WHITE  
 B = BLACK      Y = YELLOW      G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

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
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER  
 PEDESTAL MOUNT

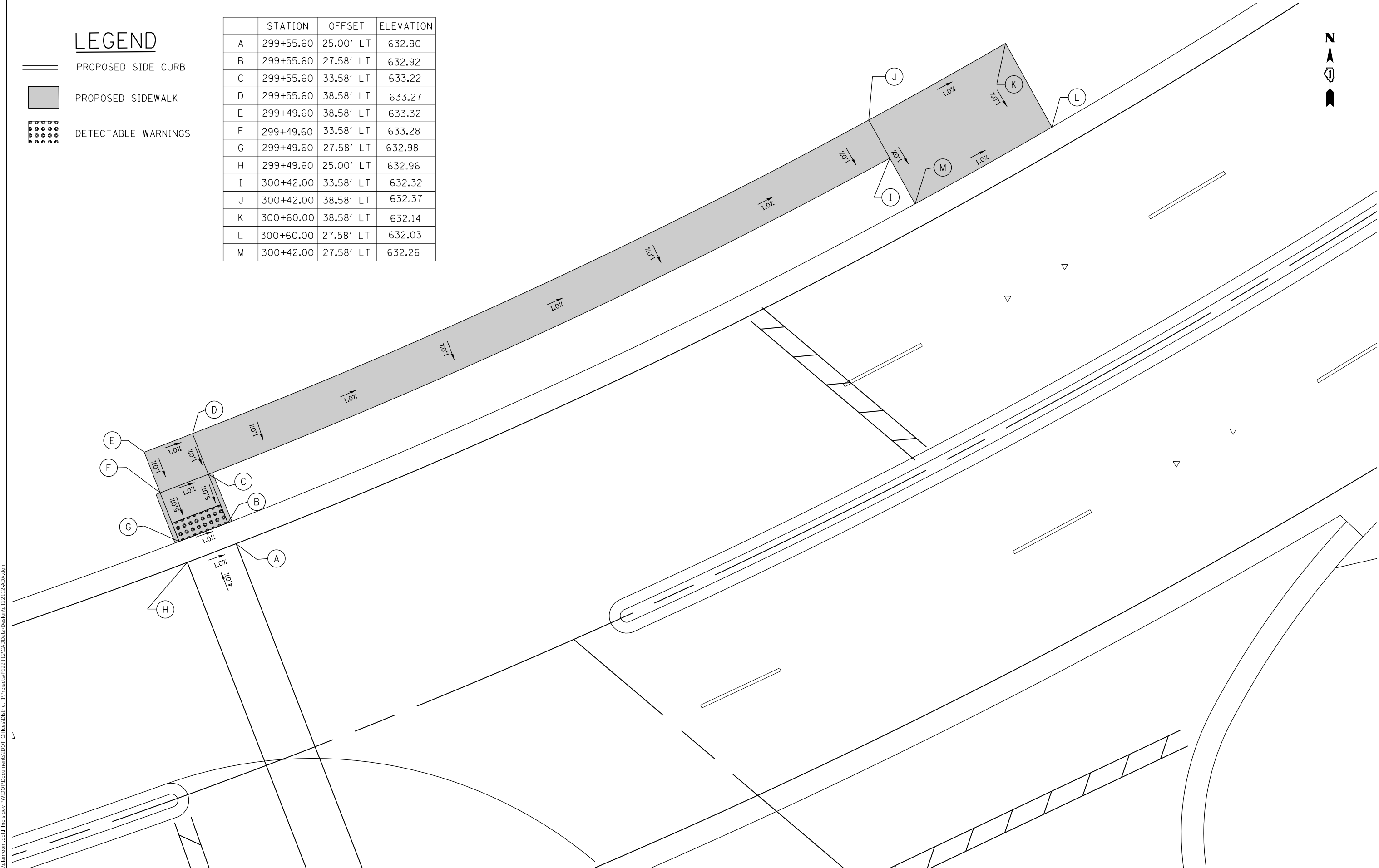
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	73
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

# LEGEND

-  PROPOSED SIDE CURB
-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS

	STATION	OFFSET	ELEVATION
A	299+55.60	25.00' LT	632.90
B	299+55.60	27.58' LT	632.92
C	299+55.60	33.58' LT	633.22
D	299+55.60	38.58' LT	633.27
E	299+49.60	38.58' LT	633.32
F	299+49.60	33.58' LT	633.28
G	299+49.60	27.58' LT	632.98
H	299+49.60	25.00' LT	632.96
I	300+42.00	33.58' LT	632.32
J	300+42.00	38.58' LT	632.37
K	300+60.00	38.58' LT	632.14
L	300+60.00	27.58' LT	632.03
M	300+42.00	27.58' LT	632.26



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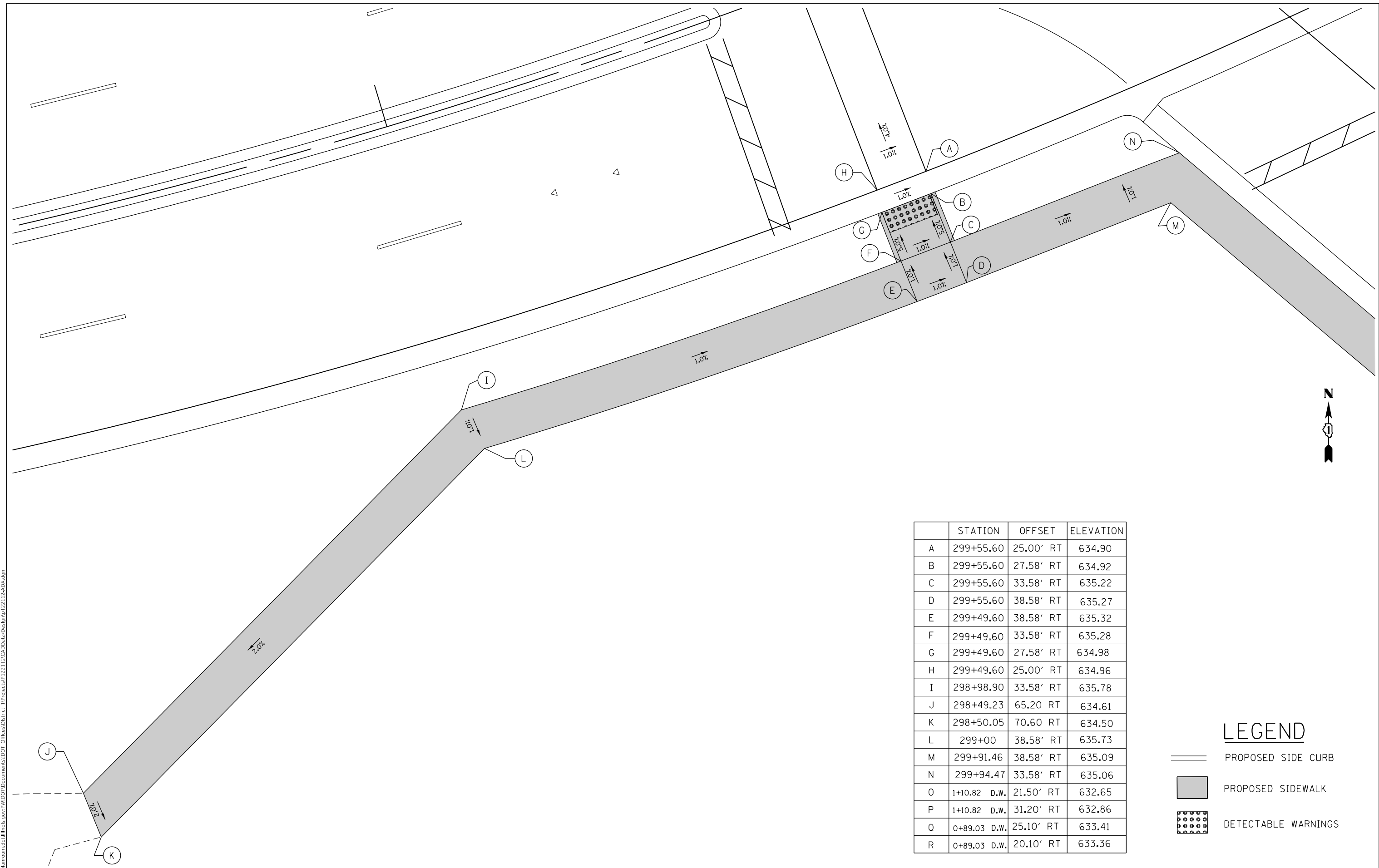
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN**  
**JOLIET ROAD AT 55TH STREET**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.




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3562	(430V-X)N	COOK	99	74
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

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	STATION	OFFSET	ELEVATION
A	299+55.60	25.00' RT	634.90
B	299+55.60	27.58' RT	634.92
C	299+55.60	33.58' RT	635.22
D	299+55.60	38.58' RT	635.27
E	299+49.60	38.58' RT	635.32
F	299+49.60	33.58' RT	635.28
G	299+49.60	27.58' RT	634.98
H	299+49.60	25.00' RT	634.96
I	298+98.90	33.58' RT	635.78
J	298+49.23	65.20 RT	634.61
K	298+50.05	70.60 RT	634.50
L	299+00	38.58' RT	635.73
M	299+91.46	38.58' RT	635.09
N	299+94.47	33.58' RT	635.06
O	1+10.82 D.W.	21.50' RT	632.65
P	1+10.82 D.W.	31.20' RT	632.86
Q	0+89.03 D.W.	25.10' RT	633.41
R	0+89.03 D.W.	20.10' RT	633.36

**LEGEND**

-  PROPOSED SIDE CURB
-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS

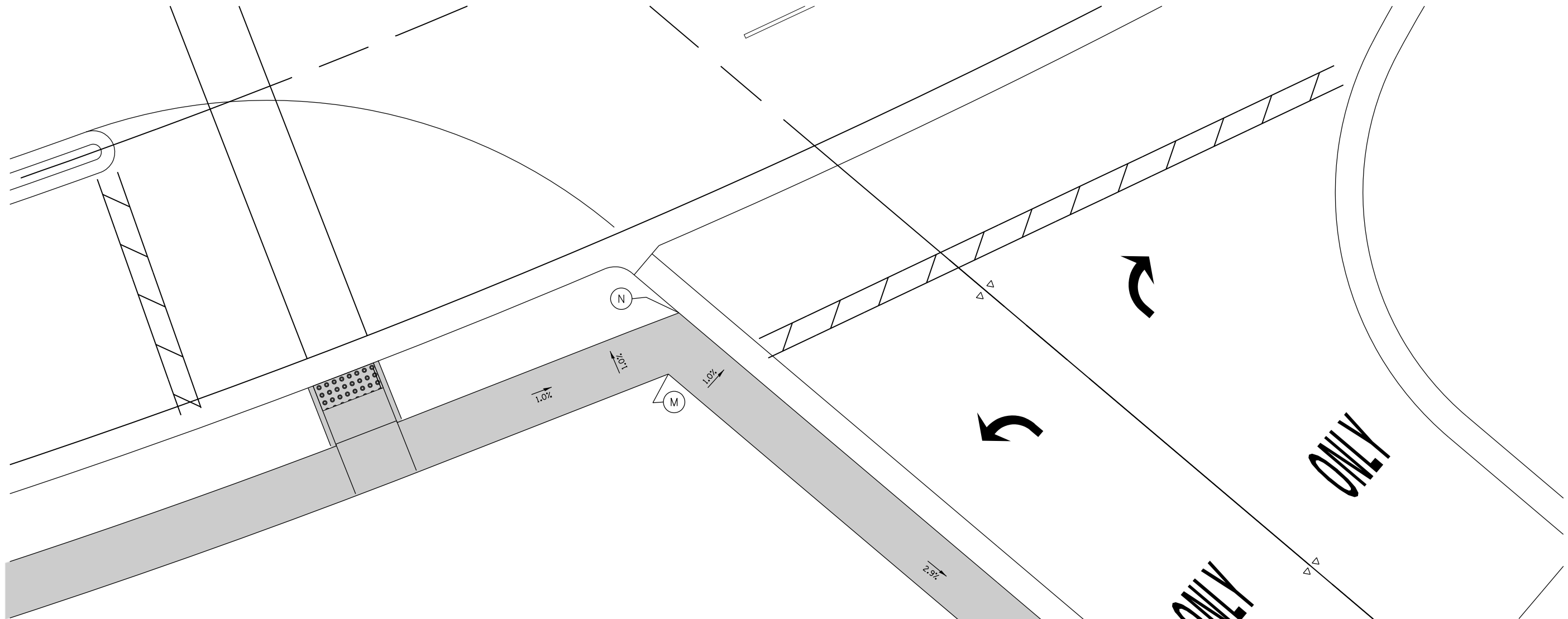
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	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN  
 JOLIET ROAD AT 55TH STREET**




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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	75
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	299+55.60	25.00' RT	634.90
B	299+55.60	27.58' RT	634.92
C	299+55.60	33.58' RT	635.22
D	299+55.60	38.58' RT	635.27
E	299+49.60	38.58' RT	635.32
F	299+49.60	33.58' RT	635.28
G	299+49.60	27.58' RT	634.98
H	299+49.60	25.00' RT	634.96
I	298+98.90	33.58' RT	635.78
J	298+49.23	65.20 RT	634.61
K	298+50.05	70.60 RT	634.50
L	299+00	38.58' RT	635.73
M	299+91.46	38.58' RT	635.09
N	299+94.47	33.58' RT	635.06
O	1+10.82 D.W.	21.50' RT	632.65
P	1+10.82 D.W.	31.20' RT	632.86
Q	0+89.03 D.W.	25.10' RT	633.41
R	0+89.03 D.W.	20.10' RT	633.36

### LEGEND

-  PROPOSED SIDE CURB
-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS

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PLOT DATE = 3/23/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN  
JOLIET ROAD AT 55TH STREET**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	76
CONTRACT NO. 60X71				
ILLINOIS FED. AID PROJECT				

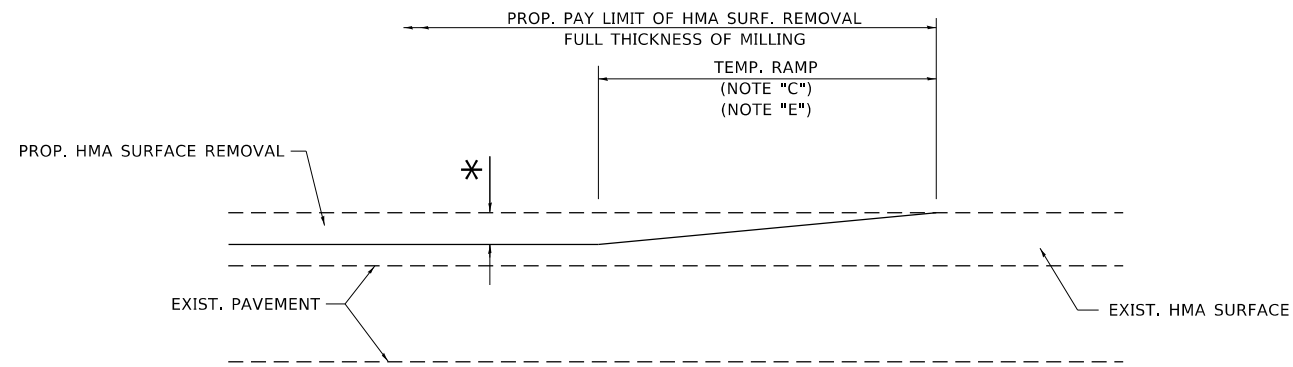








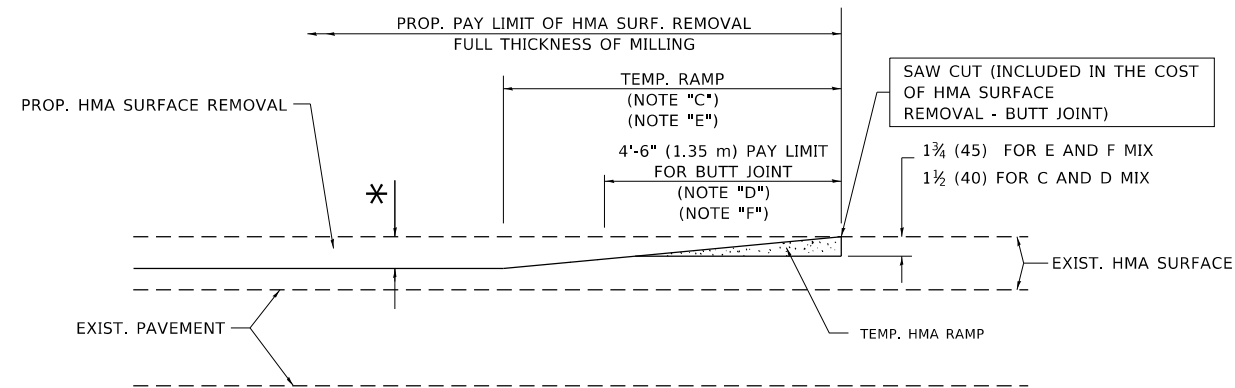




**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

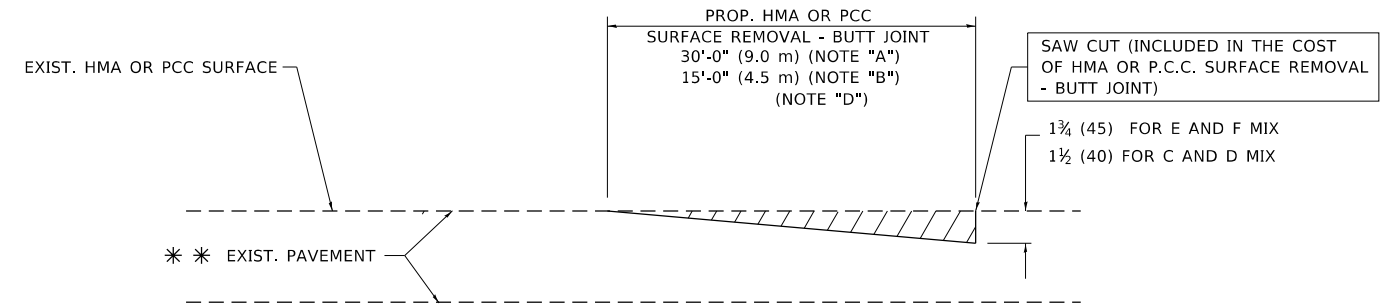


**HMA CONSTRUCTED TEMPORARY RAMP**

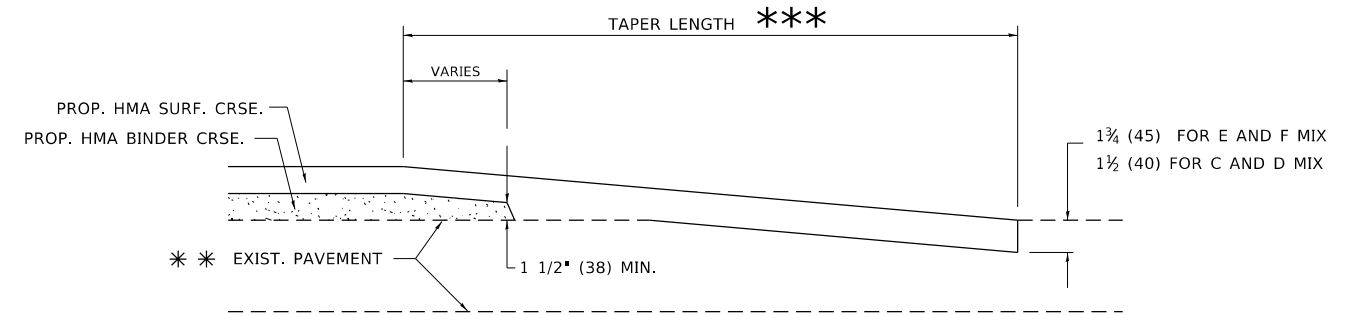
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

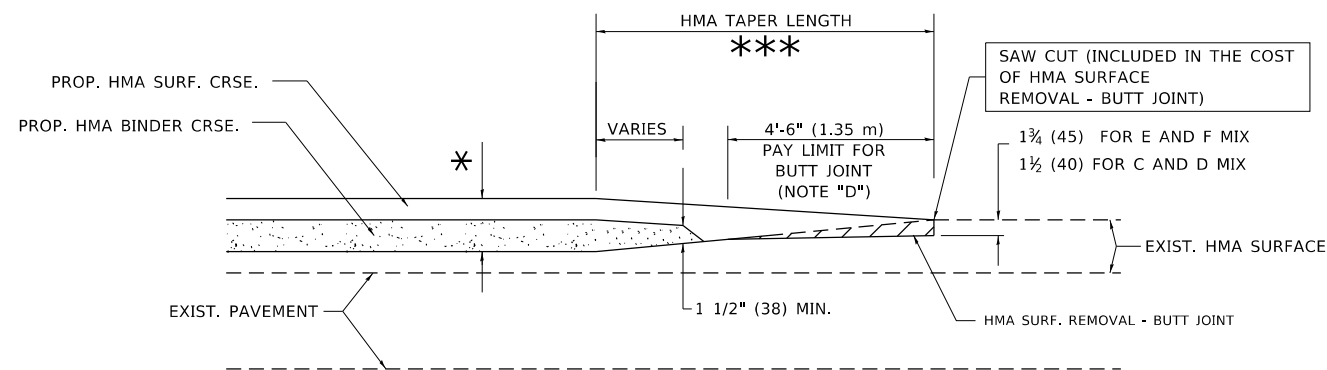
**NOTES**

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

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

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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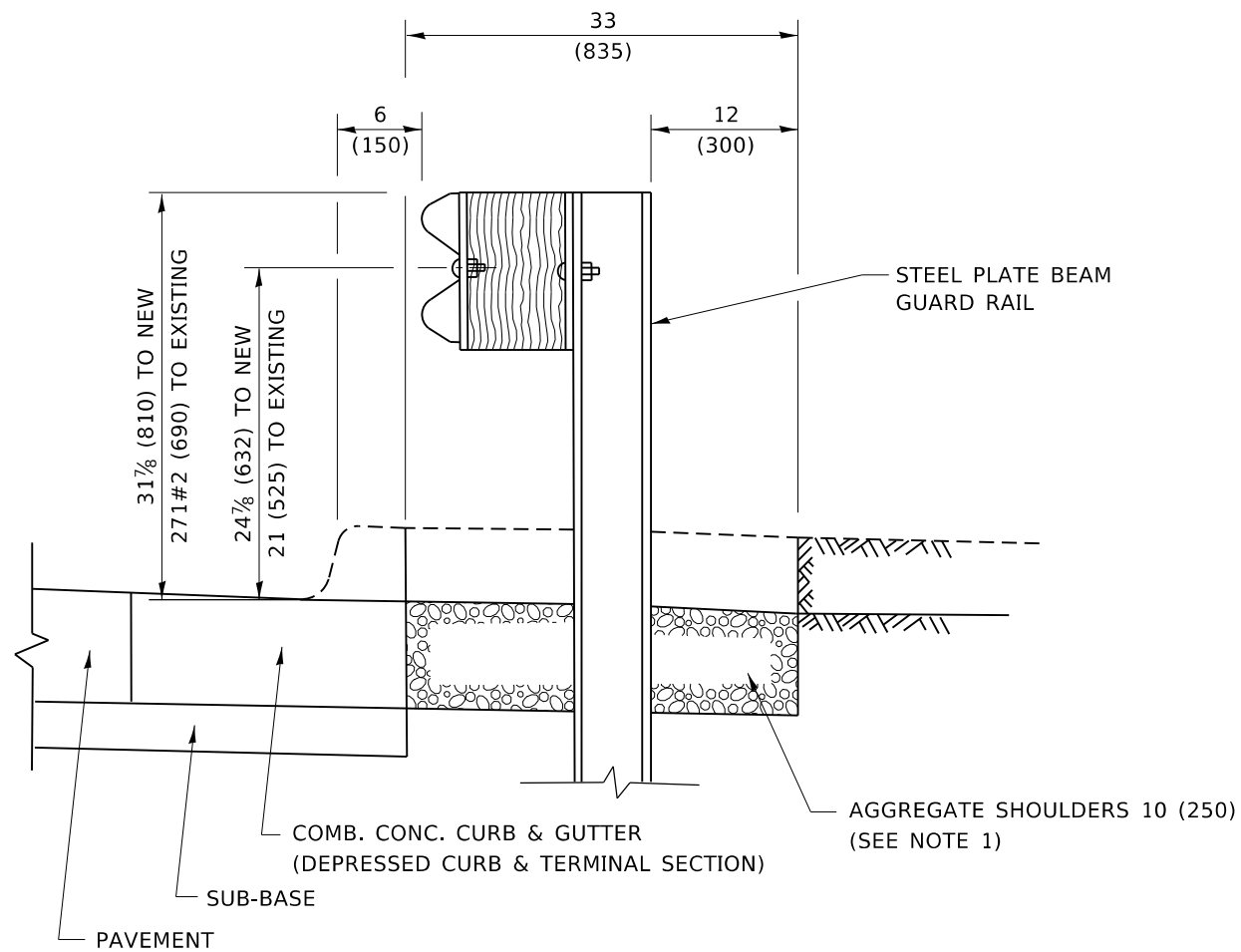
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	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/23/2020	DATE - 06-13-90	REVISED - R.BORO 01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	81
BD400-05 BD32		CONTRACT NO. 60X71		
ILLINOIS FED. AID PROJECT				



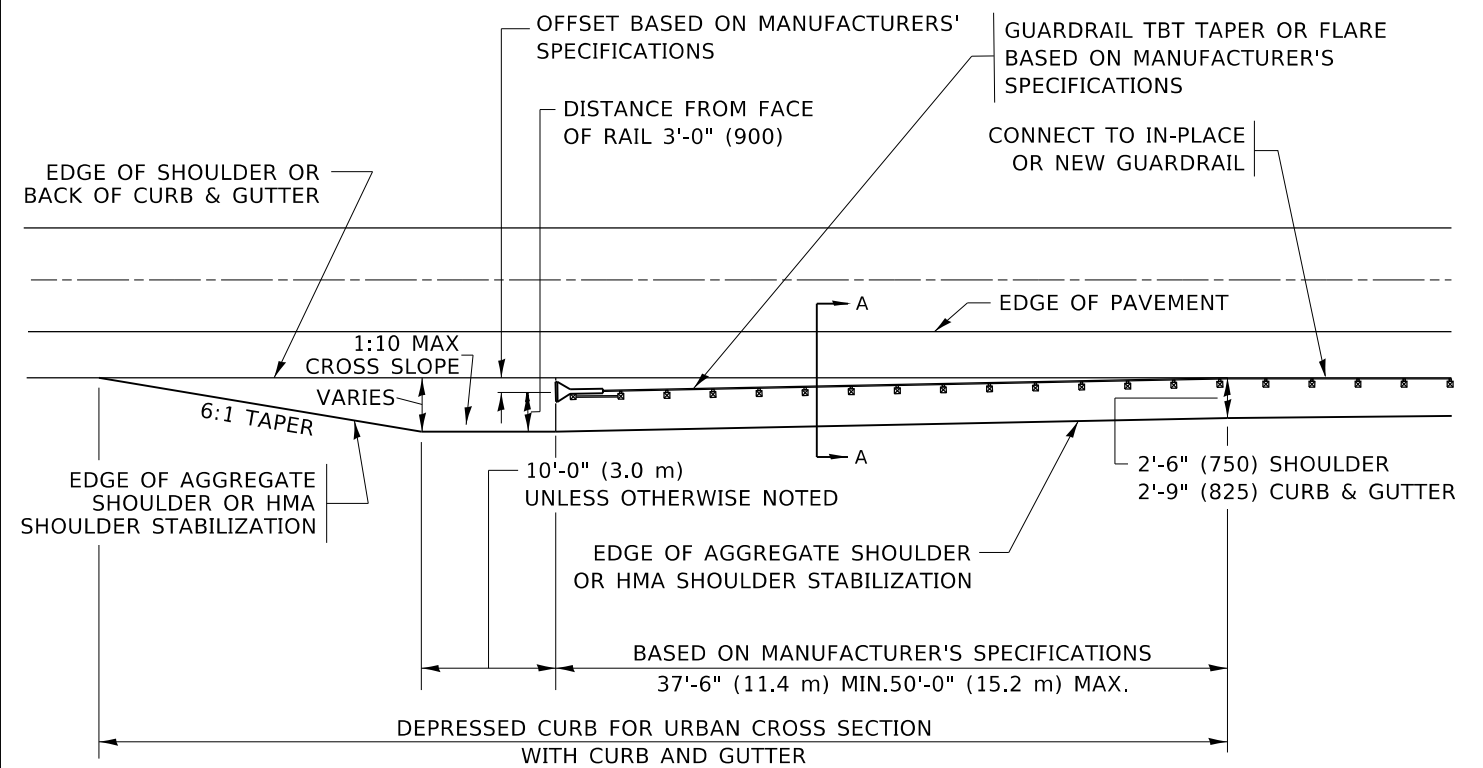
**SECTION A-A**

**NOTES:**

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER**

**[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

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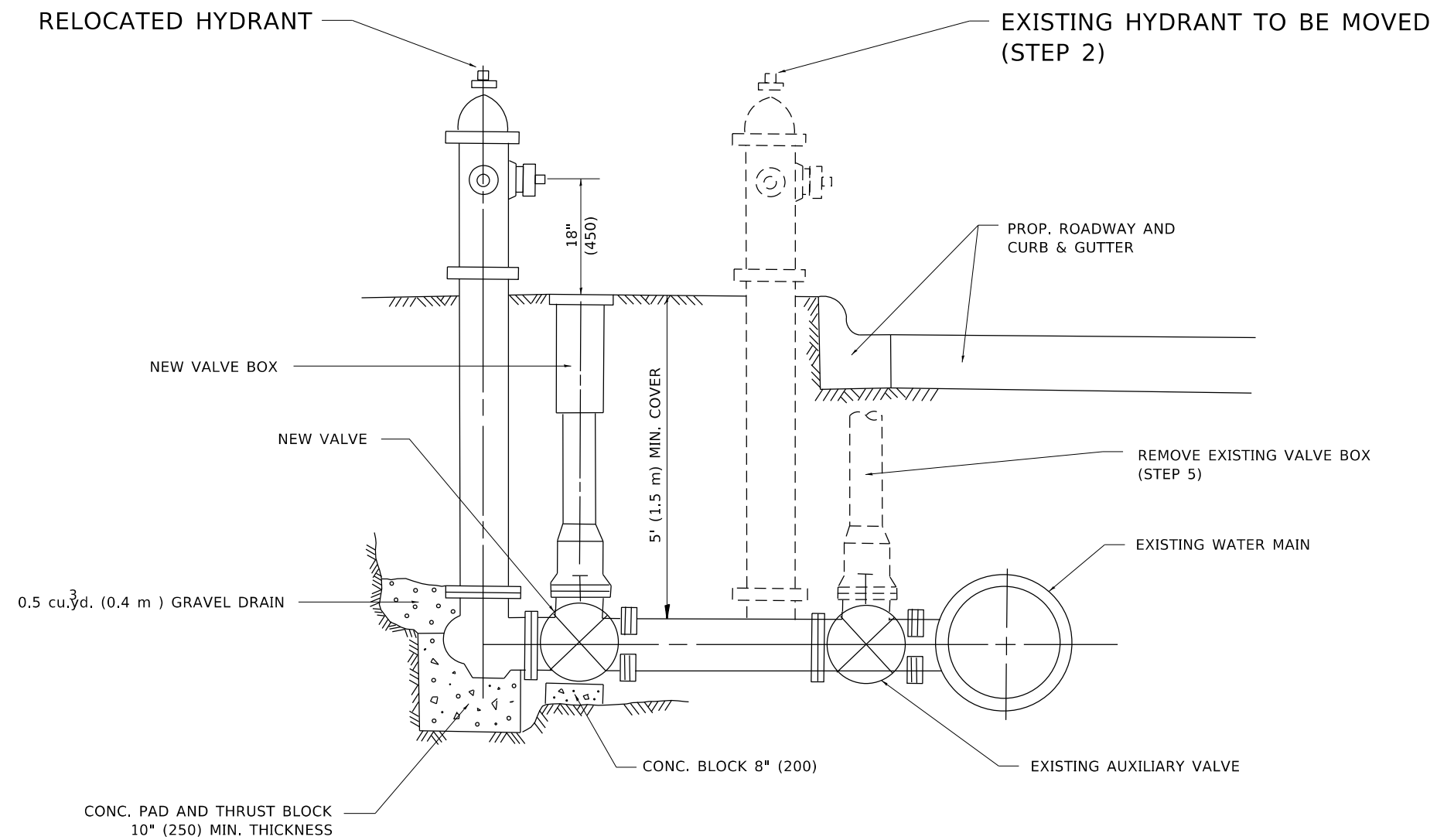
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	DRAWN -	REVISED - R. BORO 09-14-2009
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PLOT DATE = 3/23/2020	DATE - 09-22-90	REVISED - R. BORO 05-08-2015

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	82
<b>BD600-10 (BD 34)</b>		CONTRACT NO.	60X71	
ILLINOIS FED. AID PROJECT				



**SEQUENCE OF CONSTRUCTION:**

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

**NOTE:**

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

# FIRE HYDRANT TO BE MOVED

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

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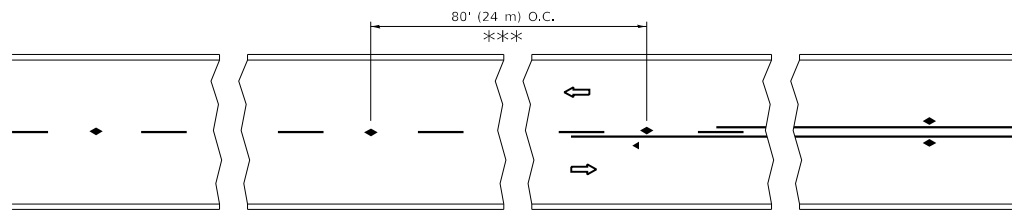
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FIRE HYDRANT TO BE MOVED**

SCALE: NONE    SHEET 1 OF 1 SHEETS    STA.    TO STA.

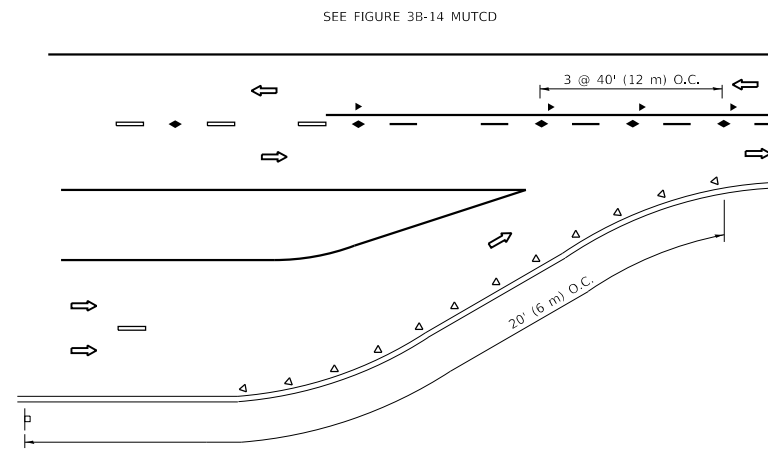
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<b>BD-36</b>			CONTRACT NO. 60X71	
ILLINOIS FED. AID PROJECT				



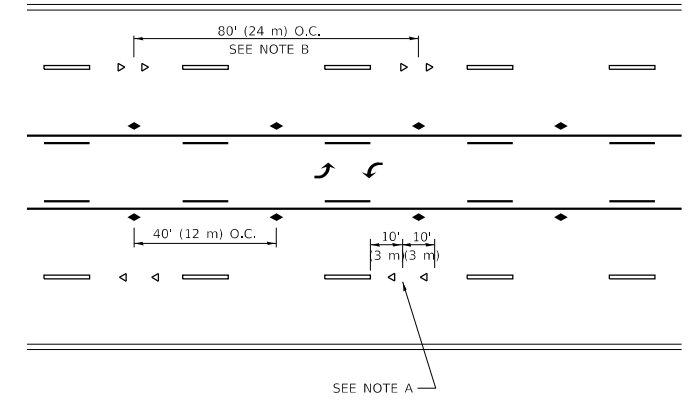


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

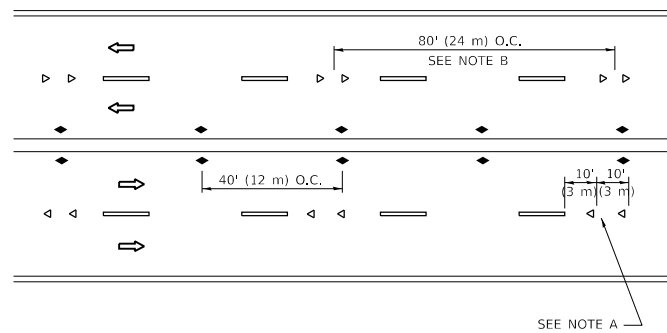
**TWO-LANE/TWO-WAY**



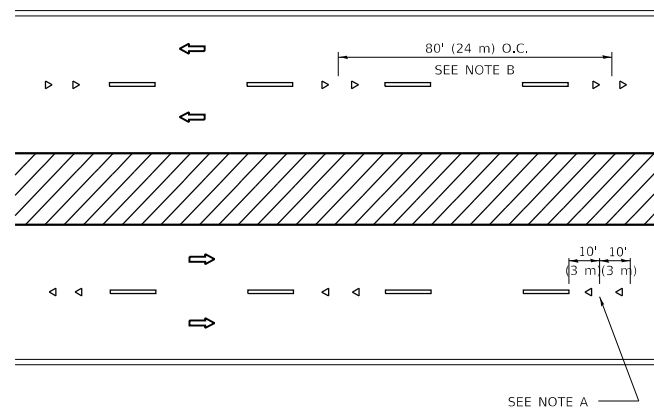
**LANE REDUCTION TRANSITION**



**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.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

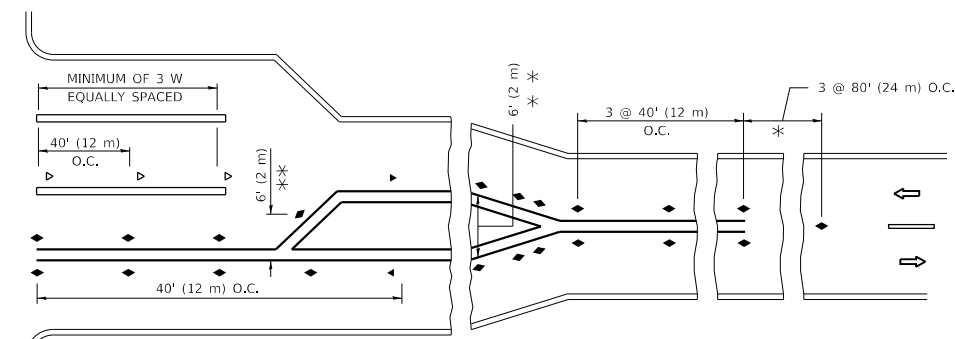
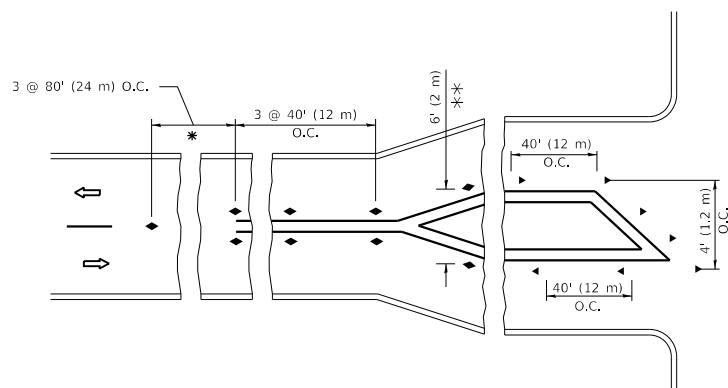
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

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

**DESIGN NOTES**

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



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

**TURN LANES**

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

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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

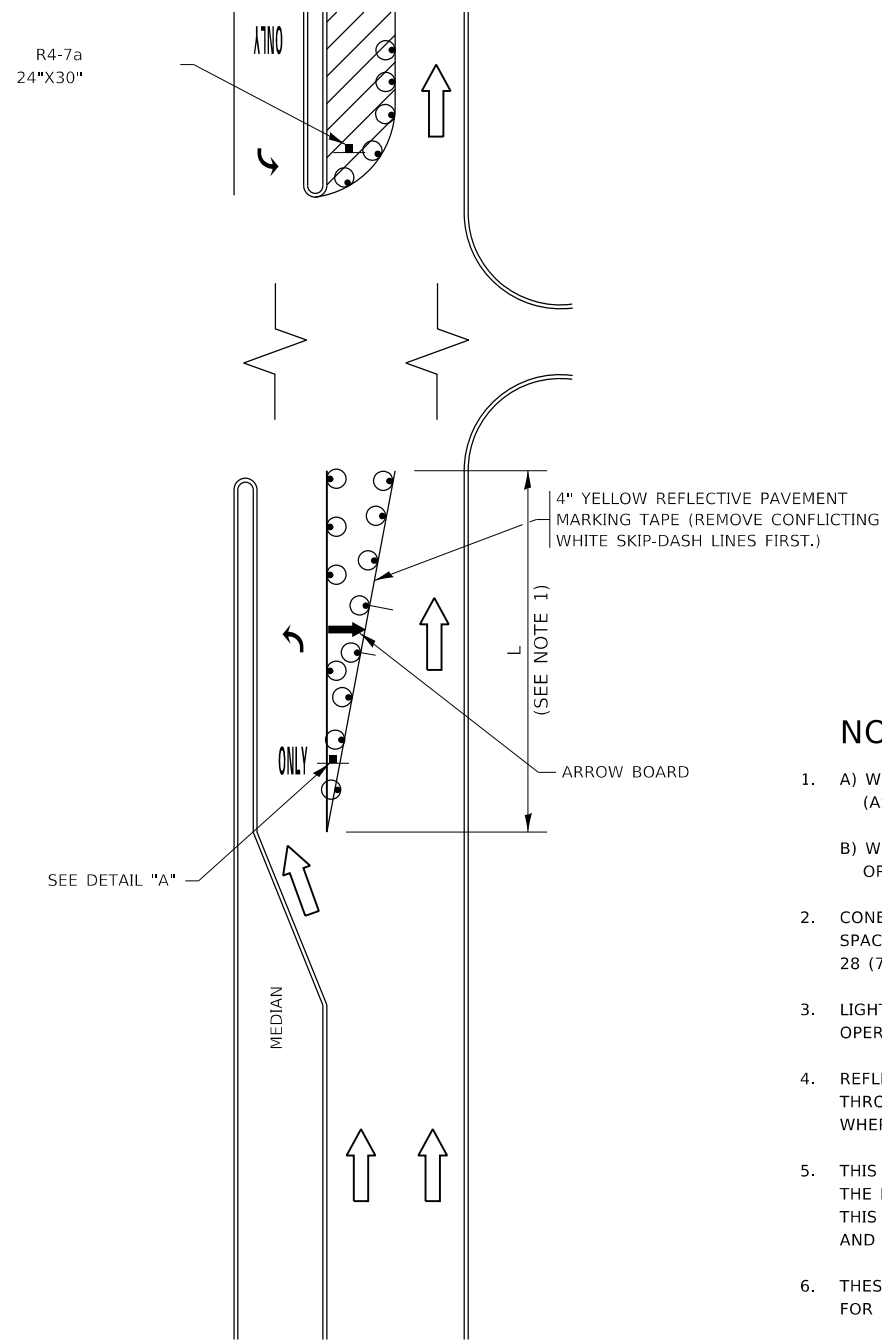
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	85
TC-11			CONTRACT NO. 60X71	
ILLINOIS FED. AID PROJECT				

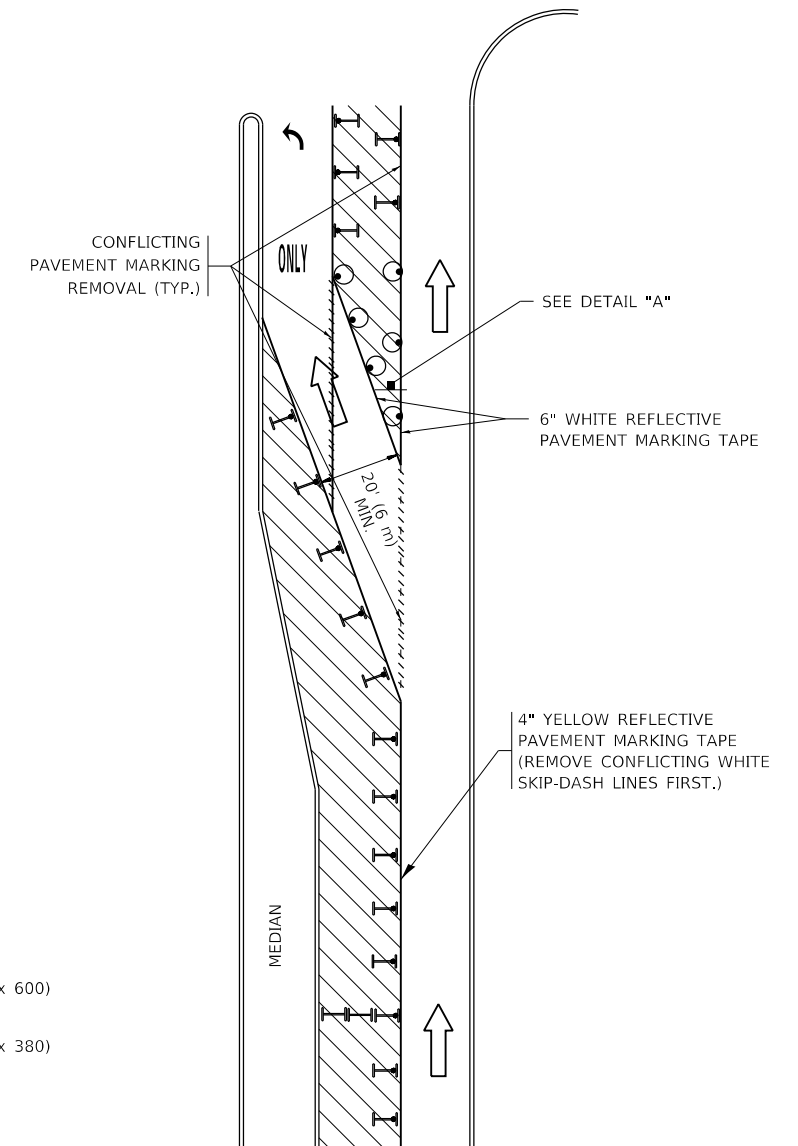


# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



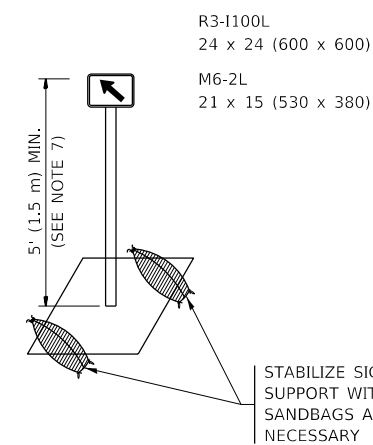
**FIGURE 2**

## LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

## NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

MODEL: Default  
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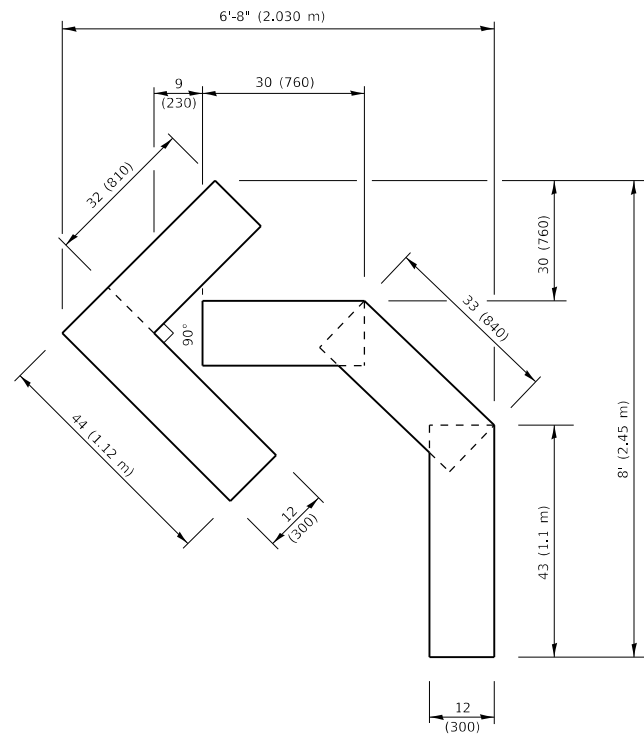
USER NAME = hassann	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/23/2020	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

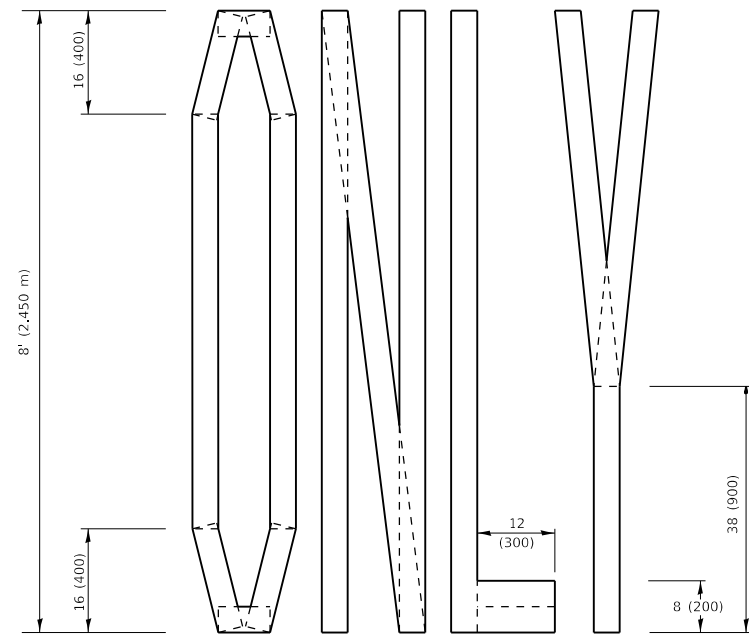
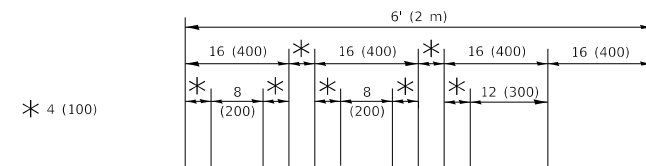
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 3562	SECTION (430V-X)N	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 87
TC-14		CONTRACT NO. 60X71		
ILLINOIS FED. AID PROJECT				



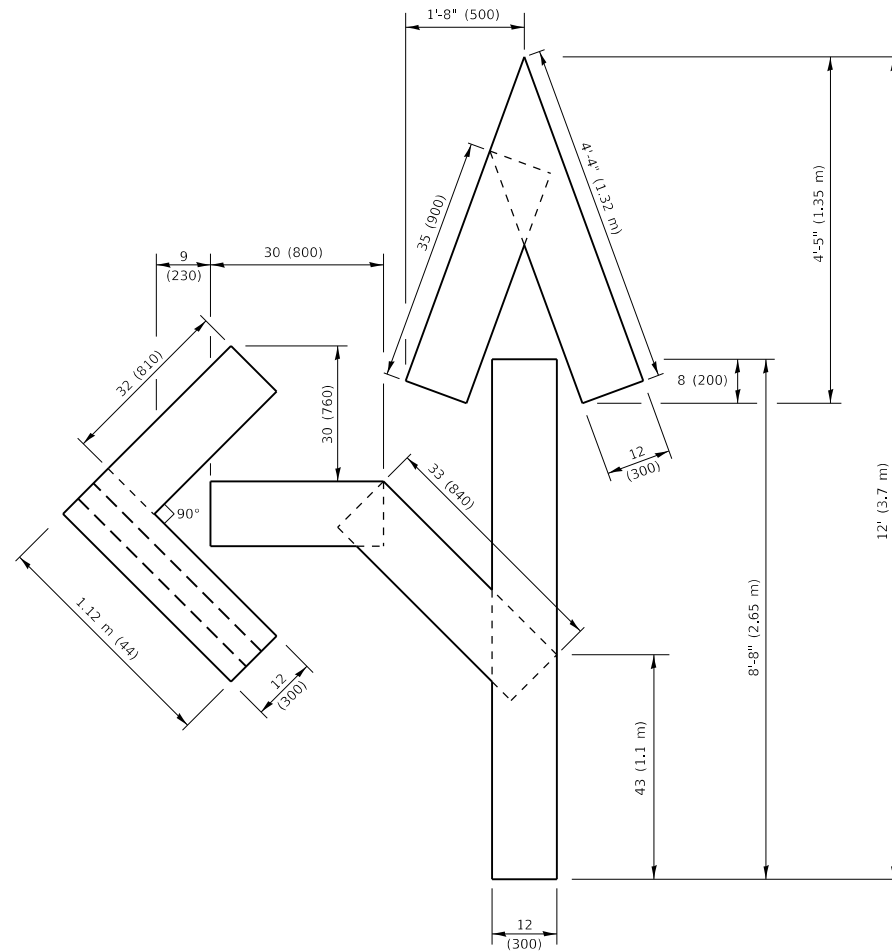
**QUANTITY**

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



**QUANTITY**

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

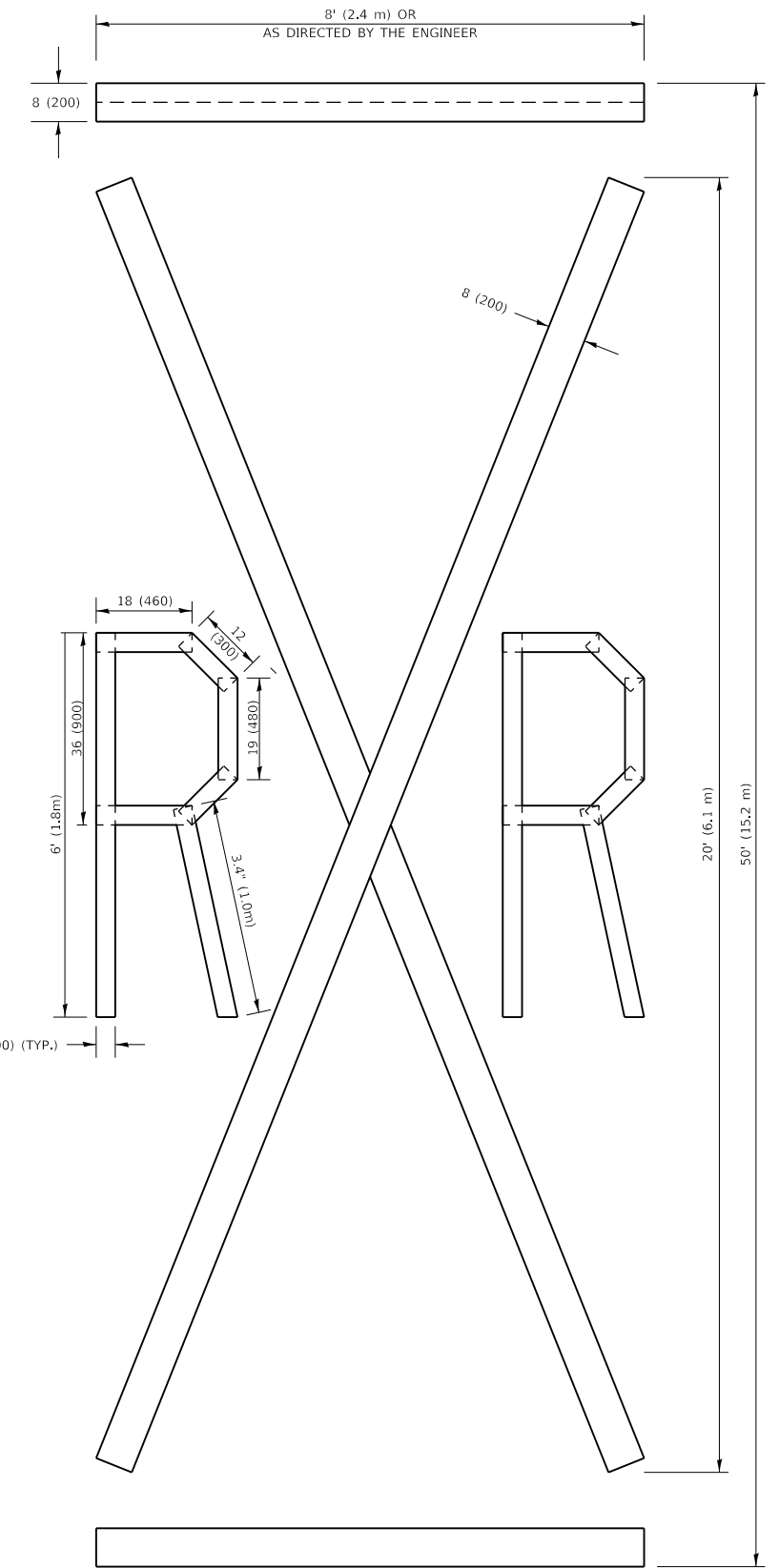


**QUANTITY**

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

**NOTE:**

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



**QUANTITY**

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

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

MODEL: Default  
FILE: h:\mfc\_p\pub\barroom.dwg  
PROJECT: P1221212\CAD\DATA\Drawings\DRS\Std.dgn

USER NAME = hassan	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/23/2020	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

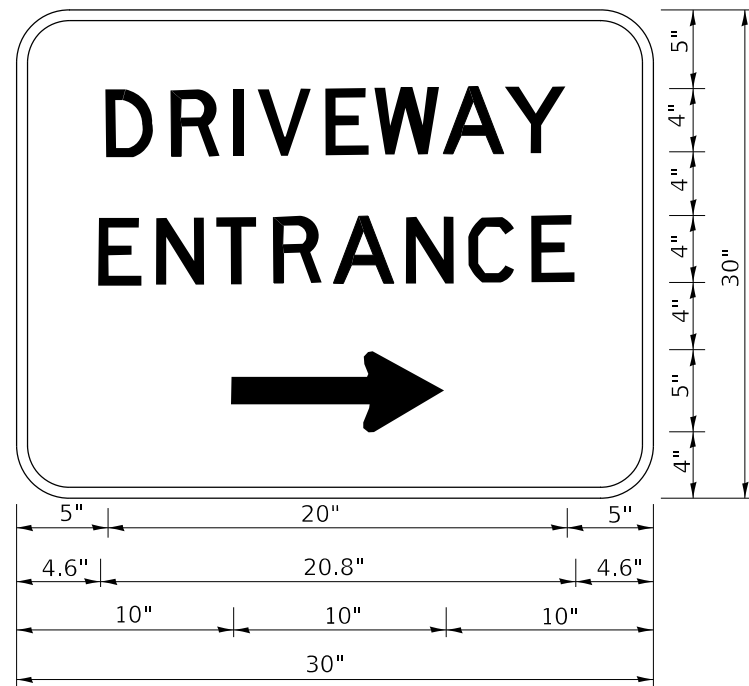
**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	88
<b>TC-16</b>		CONTRACT NO. 60X71		
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".

MODEL: Default  
 FILE: h:\mhc\p\pub\haronom.dwg  
 I:\projects\122121\COAD\DATA\Drawings\DRIVEWAY.dgn

USER NAME = hassann	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

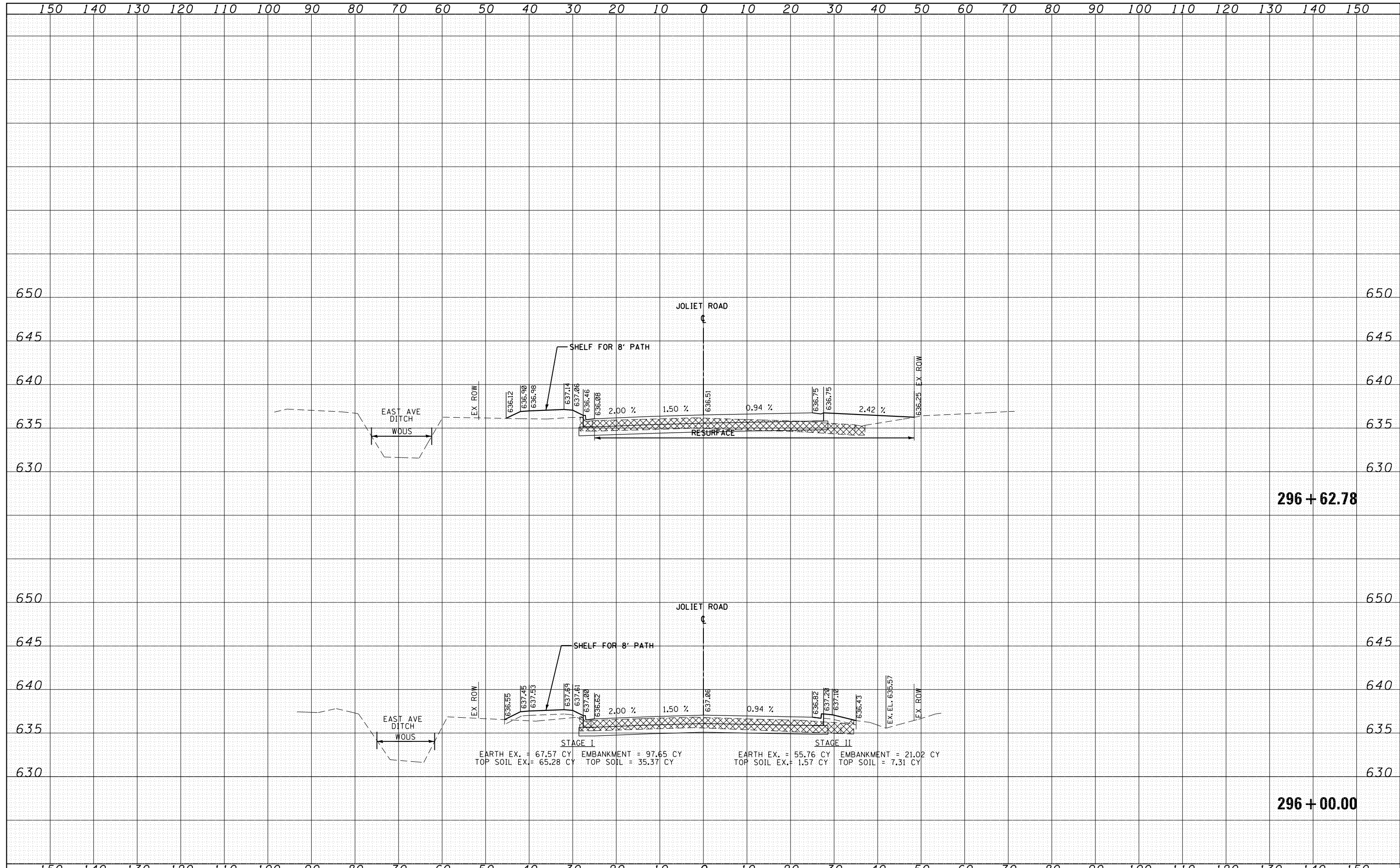
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562	(430V-X)N	COOK	99	90
<b>TC-26</b>			CONTRACT NO. 60X71	
ILLINOIS FED. AID PROJECT				



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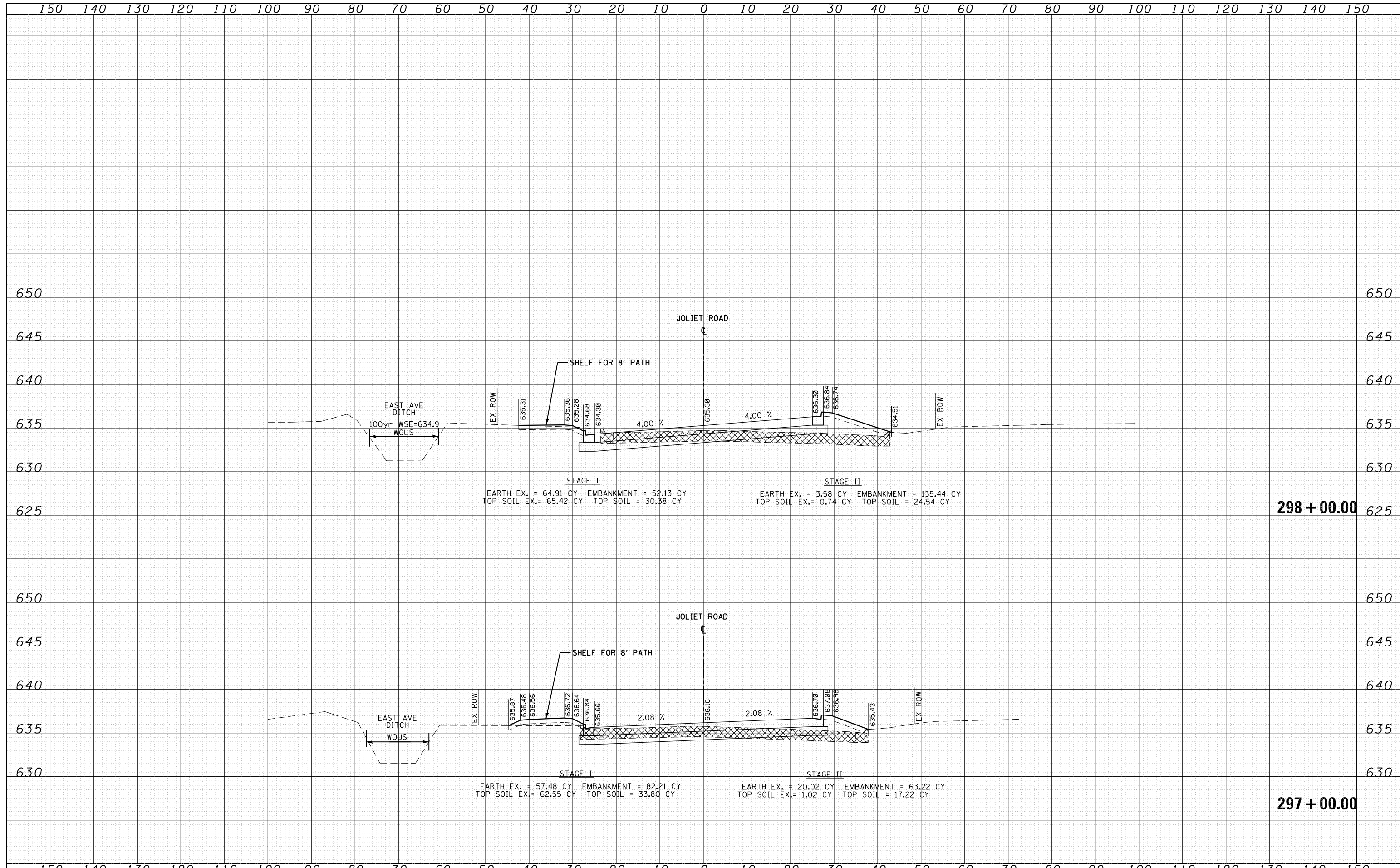
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FILE NAME =	USER NAME = hassan	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>JOLIET ROAD AT 55TH STREET</b>			F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/23/2020	DATE -	REVISÉ -					SCALE:			SHEET OF SHEETS STA. 296+00.00 TO STA. 296+62.78	
											ILLINOIS FED. AID PROJECT	

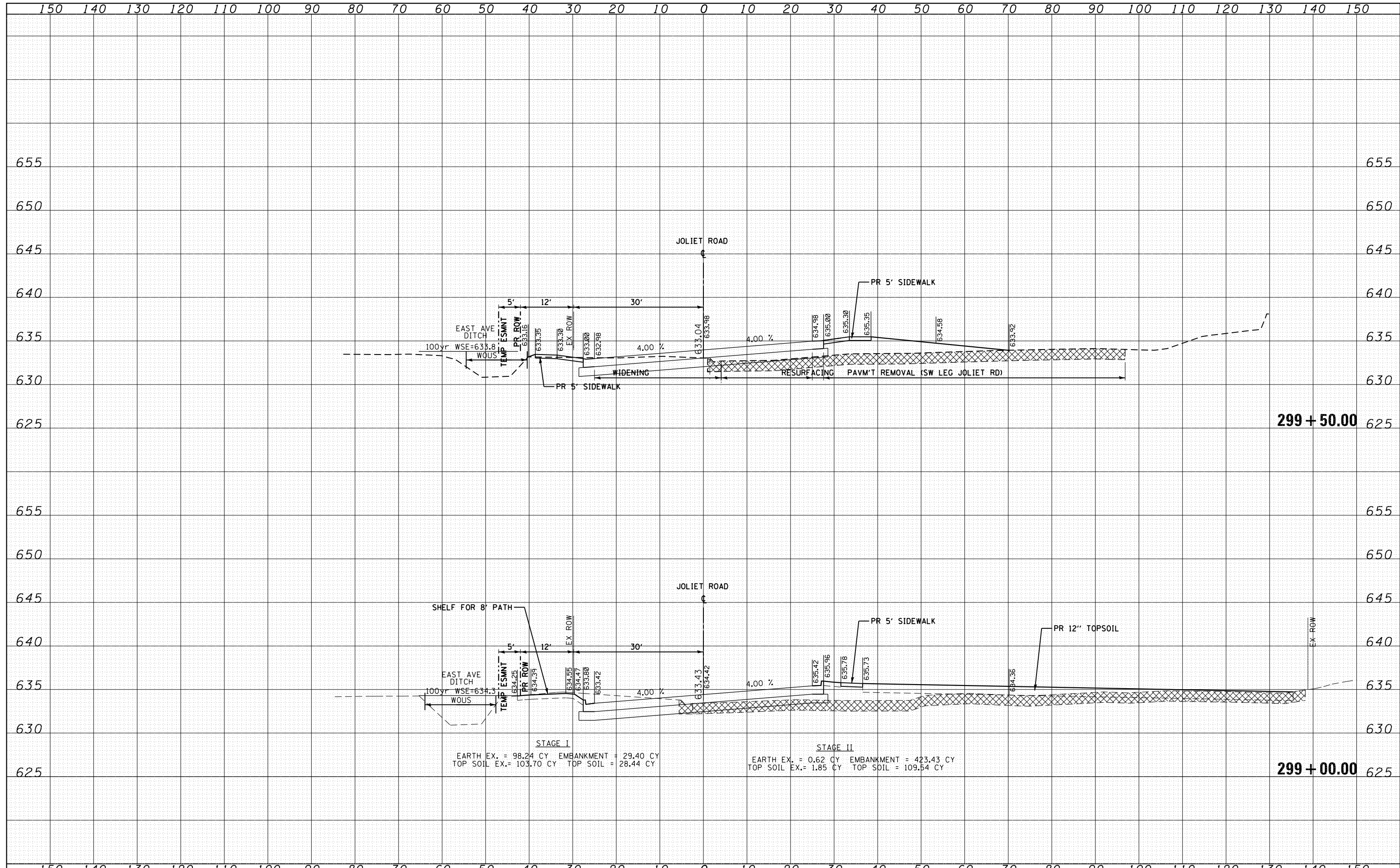
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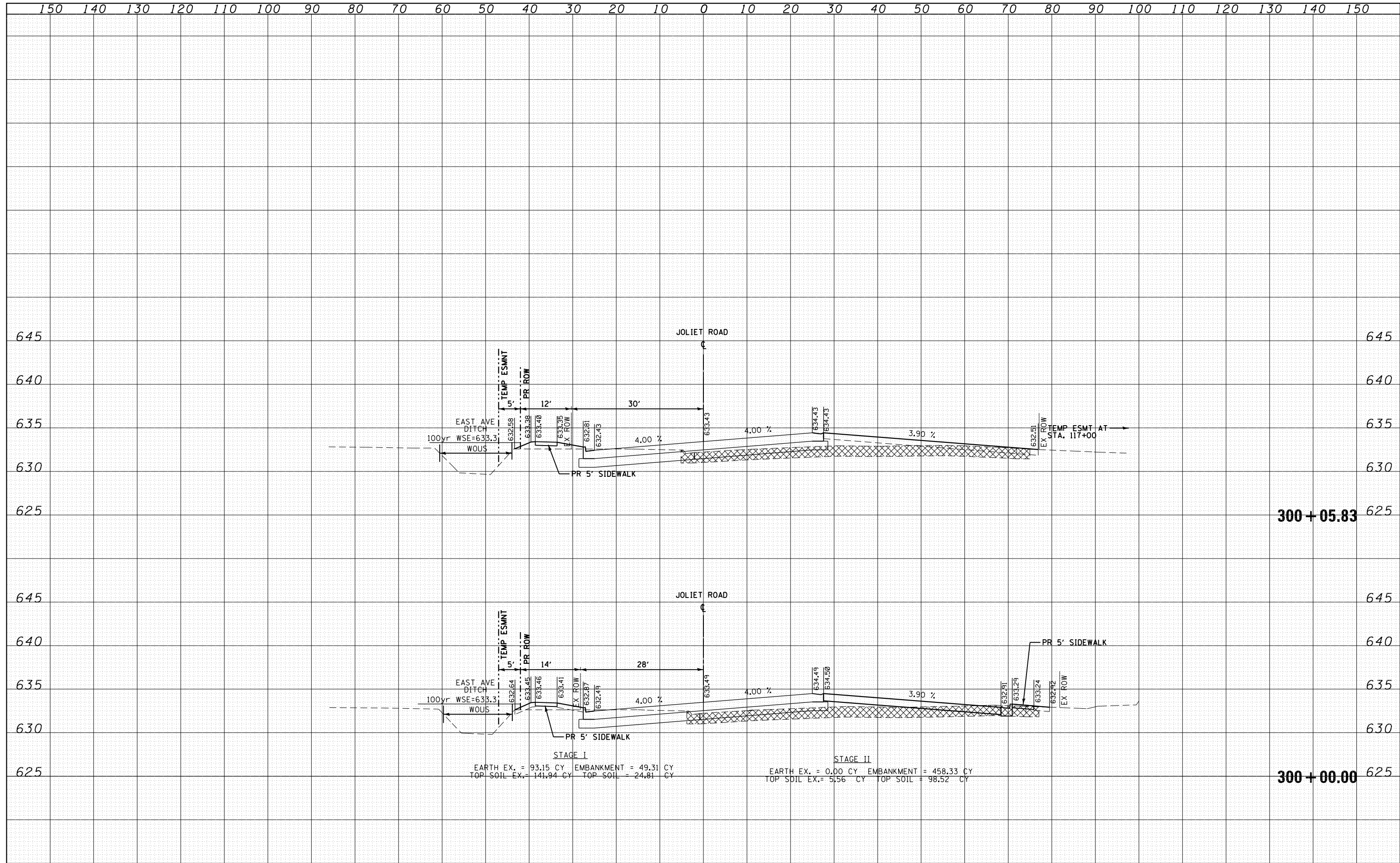
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FILE NAME =	USER NAME = hassan	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>JOLIET ROAD AT 55TH STREET</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 1\Projects\P122112\CADD\Drawings\P122112-sh-55th.dgn	CHECKED -	REVISD -		3562	(430V-XIN)	COOK	99	94			
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	PLOT DATE = 3/23/2020				SCALE:	SHEET	OF	SHEETS	STA. 299+00.00 TO STA. 299+50.00			

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FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
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	AREAS CHECKED

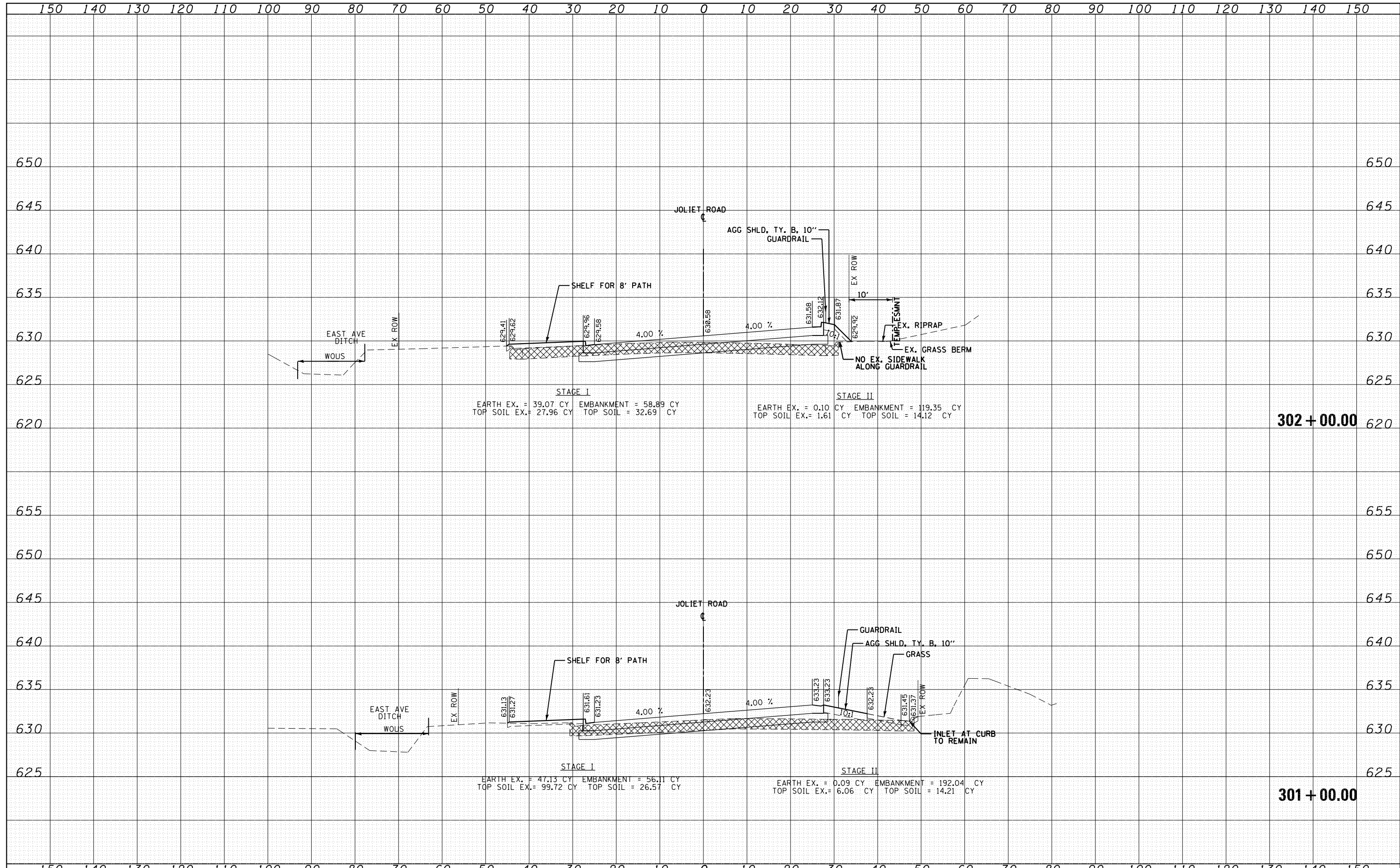
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FILE NAME =	USER NAME = hassan	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>JOLIET ROAD AT 55TH STREET</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 1\Projects\P122112\CADD\Drawings\P122112-sh1-xssht-55th.dgn	CHECKED -	REVISIED -					3562	(430V-XIN)	COOK	99	95
	PLOT SCALE = 20.0000' / in.	DATE -	REVISIED -		SCALE: SHEET OF SHEETS STA. 300+00.00 TO STA. 300+05.83			CONTRACT NO. 60X71				
	PLOT DATE = 3/23/2020							ILLINOIS FED. AID PROJECT				

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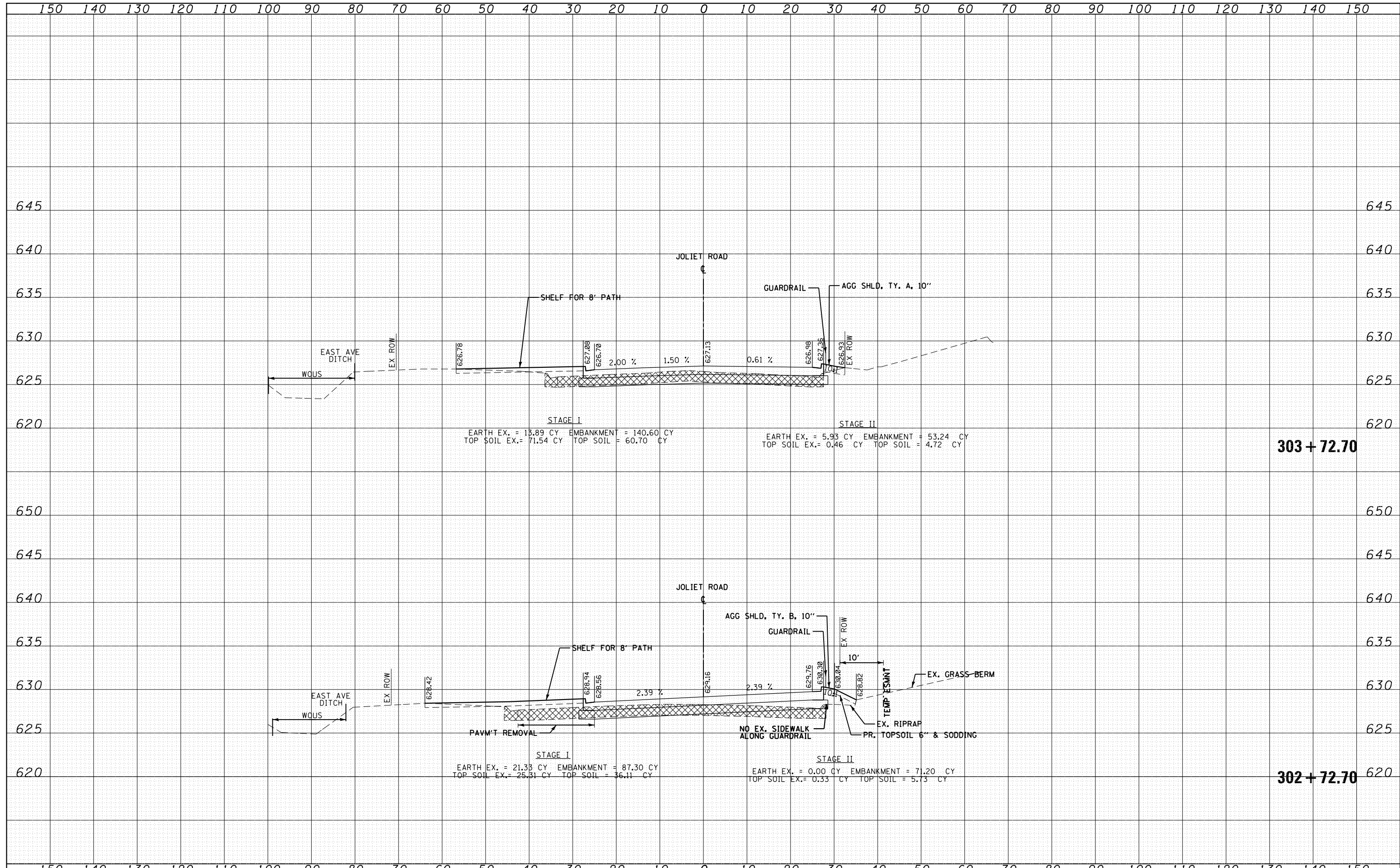


FILE NAME =	USER NAME = hassan	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>JOLIET ROAD AT 55TH STREET</b>			F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 1\Projects\P122112\CADD\Drawings\P122112-sh1-xsh1-55th.dgn	CHECKED -	REVISD -					3562	(430V-XIN)	COOK	99	96
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	PLOT DATE = 3/23/2020							SCALE:	SHEET	OF	SHEETS	STA. 301+00.00 TO STA. 302+00.00



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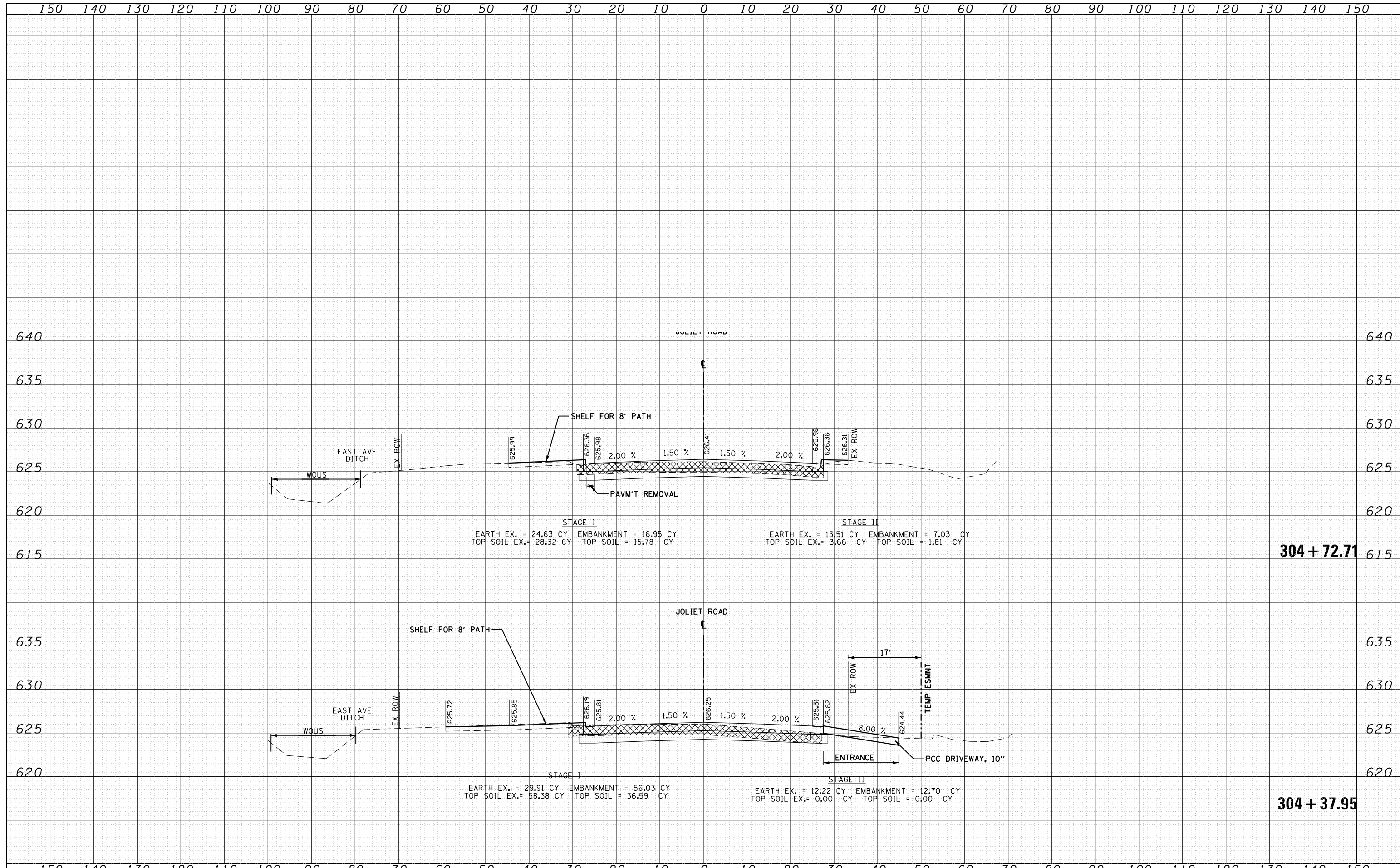
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FILE NAME =	USER NAME = hassan	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>JOLIET ROAD AT 55TH STREET</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 1\Projects\P122112\CADD\Drawings\P122112-sh1-xssh-55th.dgn	CHECKED -	REVISD -					3562	(430V-XIN)	COOK	99	97
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	PLOT DATE = 3/23/2020		REVISD -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA. 302+72.70	TO STA. 303+72.70			

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FILE NAME =	USER NAME = hassan	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>JOLIET ROAD AT 55TH STREET</b>			F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 1\Projects\P122112\CADD\Drawings\P122112-sh-t-xssh-55th.dgn	CHECKED -	REVISÉ -					3562	(430V-XIN)	COOK	99	98
	PLOT SCALE = 20.0000' / in.	DATE -	REVISÉ -					CONTRACT NO. 60X71				
	PLOT DATE = 3/23/2020							ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA. 304+37.95	TO STA. 304+72.71			

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