

1	1	COVER SHEET
2	2	GENERAL NOTES AND COMMITMENTS
3	3	LOCATION MAP
4	- 9	SUMMARY OF QUANTITIES
10	- 11	TYPICAL SECTIONS
12	- 19	SCHEDULES
20	- 27	PAVEMENT MARKING DETAILS
28	- 47	ADA DETAILS
48	- 50	EX. IL 113 & BERTA RD TS PLANS
51	- 58	DETAILS

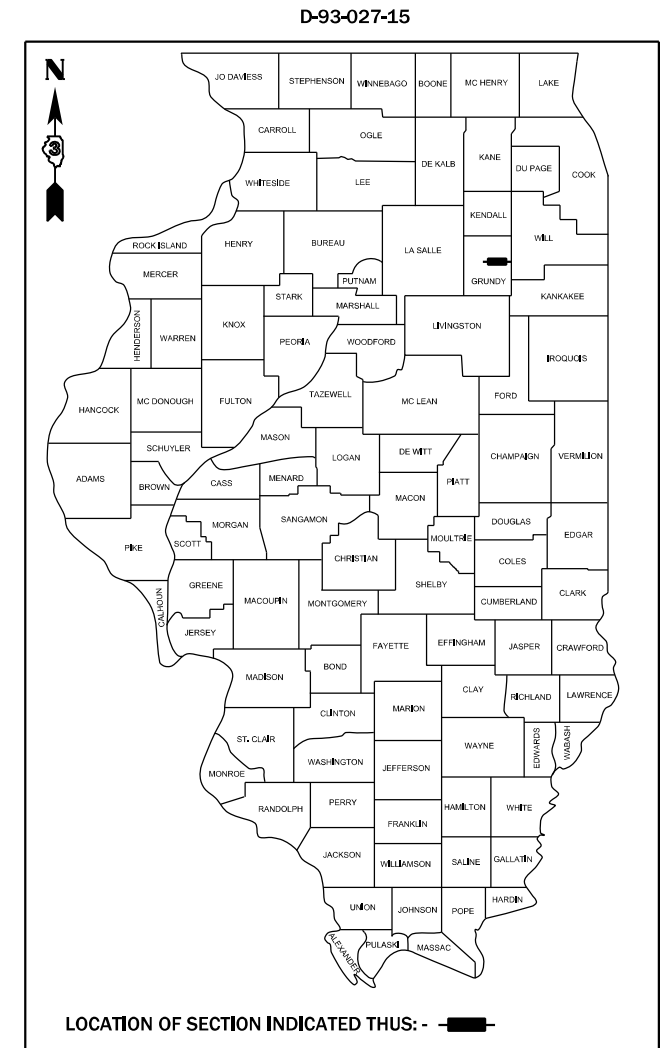
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	1
		ILLINOIS	CONTRACT NO. 66E48	

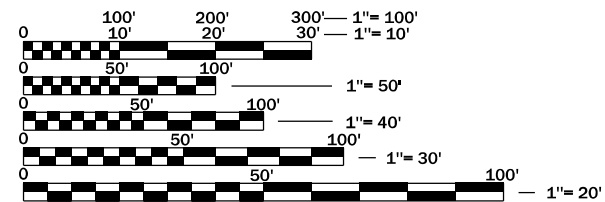
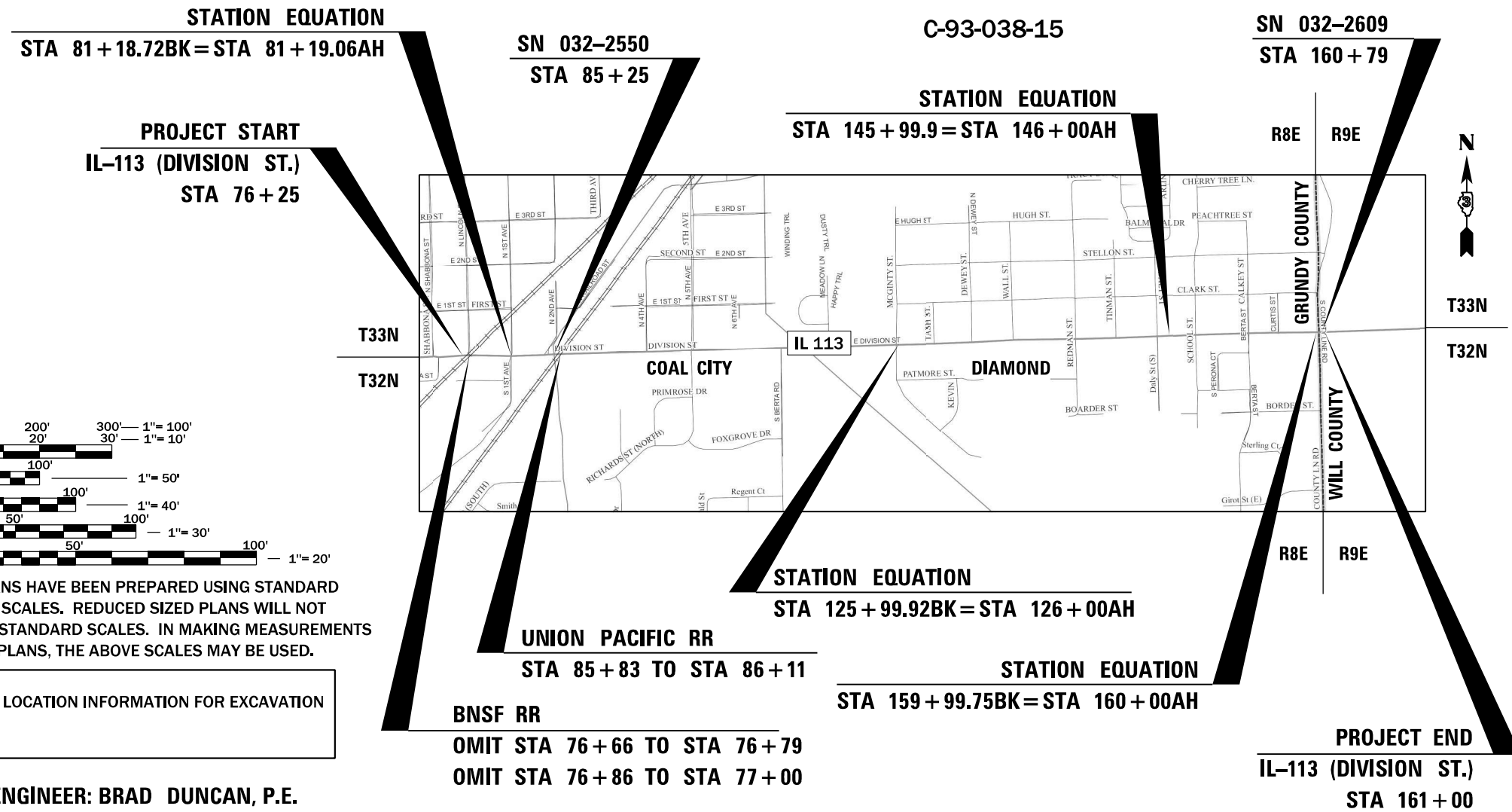
# PROPOSED HIGHWAY PLANS

F.A.S. ROUTE 301 (IL 113)  
SECTION 113 RS-4  
PROJECT STP-YZ5A(590)  
3P MILLING & RESURFACING, ADA  
GRUNDY COUNTY

FOR LIST OF HIGHWAY STANDARDS  
SEE SHEET #2



LOCATION OF SECTION INDICATED THIS: - [Black Box] -



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: BRAD DUNCAN, P.E.  
UNIT CHIEF: LUIS CALDERON, P.E.  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66E48

GROSS LENGTH = 8476.23 FT. = 1.61 MILE  
NET LENGTH = 8448.63 FT. = 1.60 MILE

FUNCTIONAL CLASSIFICATION  
MINOR ARTERIAL  
2019 ADT = 11300  
PV = 93.81% SU = 3.76% MU = 2.43%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED March 16, 20 22  
Regional Engineer  
May 13, 2022  
Engineer of Design and Environment  
May 13, 2022  
Director of Highways Project Implementation

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-10	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
876001-04	PEDESTRIAN PUSH BUTTON POST
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

**GENERAL NOTES**

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES ( 100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
BINDER (HAND METHOD)	0.0005	TONS / SQ YD

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

- AT&T
- COMED
- COMCAST
- NICOR
- BUCKEYE PARTNERS
- VILLAGE OF COAL CITY
- VILLAGE OF DIAMOND

**COMMITMENTS**

- 1) ENVIRONMENTAL COORDINATION
- 2) PROPOSED CURB RAMPS OPENINGS AT DIAMOND SHALL BE AT LEAST 6-FT WIDE (SEE ADA SIDEWALK DETAILS).
- 3) PER DIAMOND'S REQUEST - SIDEWALK AT THE MONUMENT & AT SE QUAD OF CALKEY ST SHALL BE REMOVED COMPLETELY.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: \_\_\_\_\_  
DISTRICT STUDIES & PLANS ENGINEER

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

EXAMINED BY: \_\_\_\_\_  
DISTRICT CONSTRUCTION ENGINEER

\_\_\_\_\_  
DISTRICT MATERIALS ENGINEER

\_\_\_\_\_  
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES &amp; STANDARDS</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/15/2022	DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.

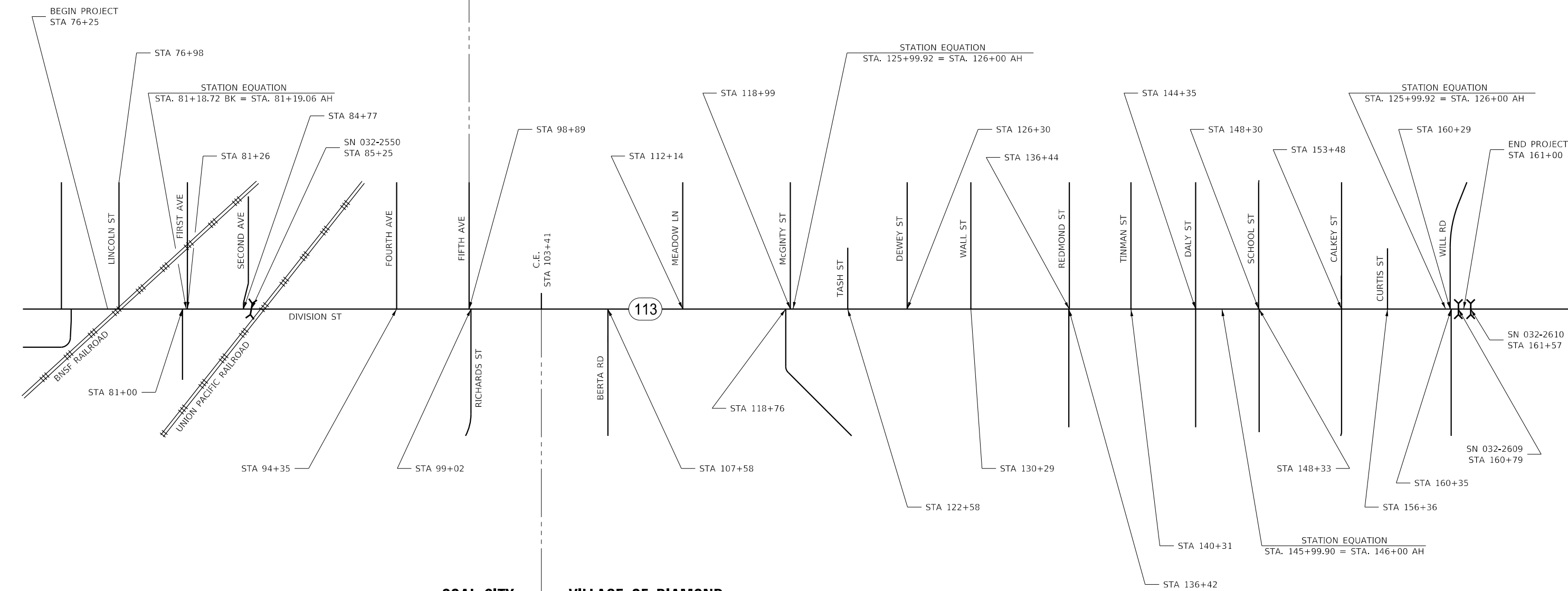


COAL CITY

VILLAGE OF DIAMOND

COAL CITY

VILLAGE OF DIAMOND



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	PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES & STANDARDS			
SCALE:	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	3
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				STP-URB	
				80% FED / 20% STATE	
				ROADWAY	
				0005	
				URBAN	
20200100	EARTH EXCAVATION	CU YD	41		41
20400800	FURNISHED EXCAVATION	CU YD	16		16
25200100	SODDING	SQ YD	332		332
25200200	SUPPLEMENTAL WATERING	UNIT	2		2
28100101	STONE RIPRAP, CLASS A1	SQ YD	2		2
28200200	FILTER FABRIC	SQ YD	13		13
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	401		401
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	20033		20033
40600370	LONGITUDINAL JOINT SEALANT	FOOT	9934		9934
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7.8		7.8
40600901	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70	TON	13		13
40600990	TEMPORARY RAMP	SQ YD	1629		1629
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	2884		2884
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2556		2556
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	803		803

\* SPECIALTY ITEMS

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		301	113 RS-4	GRUNDY	58	4			
PLOT DATE = 3/15/2022	CHECKED -	REVISED -		SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.			CONTRACT NO. 66E48				
	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				STP-URB	
				80% FED / 20% STATE	
				ROADWAY	URBAN
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	4661		4661
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	65		65
* 42400800	DETECTABLE WARNINGS	SQ FT	474		474
44000156	HOT-MIX ASPHALT SURFACE REMOVAL , 1 3/4"	SQ YD	331		331
44000164	HOT-MIX ASPHALT SURFACE REMOVAL , 3 3/4"	SQ YD	25637		25637
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	69		69
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	648		648
44000600	SIDEWALK REMOVAL	SQ FT	4408		4408
56109210	WATER VALVES TO BE ADJUSTED	EACH	2		2
60255500	MANHOLES TO BE ADJUSTED	EACH	1		1
60260100	INLETS TO BE ADJUSTED	EACH	8		8
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1		1
60603800	COMBINATION CONCRETE CURB AND GUTTER , TYPE B-6.12	FOOT	23		23
60604400	COMBINATION CONCRETE CURB AND GUTTER , TYPE B-6.18	FOOT	16		16

\* SPECIALTY ITEMS

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	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				STP-URB
				80% FED / 20% STATE
				ROADWAY
				0005
				URBAN
	60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	609	609
*	66700205 PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2
*	66900200 NON-SPECIAL WASTE DISPOSAL	CU YD	41	41
*	66900530 SOIL DISPOSAL ANALYSIS	EACH	9	9
*	66901001 REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
*	66901003 REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
*	66901006 REGULATED SUBSTANCES MONITORING	CAL DA	15	15
	67000400 ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
	67100100 MOBILIZATION	L SUM	1	1
	70102620 TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
	70102634 TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1
	70102635 TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
	70102640 TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
	70300100 SHORT TERM PAVEMENT MARKING	FOOT	3765	3765

\* SPECIALTY ITEMS

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					301	113 RS-4	GRUNDY	58	6
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	DATE -	REVISED -									

CONSTR. CODE	
STP-URB	
80% FED / 20% STATE	
ROADWAY	
0005	
URBAN	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	838	838
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	369	369
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7021	7021
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1680	1680
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	413	413
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	885	885
* 78003131	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 6"	FOOT	405	405
* 78003181	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 24"	FOOT	241	241
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	264	264
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	4750	4750
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	1962	1962
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	343	343
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	228	228
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	144	144

\* SPECIALTY ITEMS

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PLOT DATE = 3/15/2022	CHECKED -	REVISED -		SCALE:      SHEET 4    OF 5    SHEETS    STA.      TO STA.			ILLINOIS FED. AID PROJECT		CONTRACT NO. 66E48		
	DATE -	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				STP-URB	
				80% FED / 20% STATE	
				ROADWAY	
		0005		URBAN	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	144		144
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	2		2
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	201		201
* 87301804	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	201		201
* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4		4
* 87900200	DRILL EXISTING HANDHOLE	EACH	1		1
* 88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	1		1
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	169		169
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1		1
* X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1		1

\* SPECIALTY ITEMS

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PLOT DATE = 3/15/2022	CHECKED -	REVISED -		SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.			CONTRACT NO. 66E48				
	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



CONSTR. CODE	
STP-URB	
80% FED / 20% STATE	
ROADWAY	
0005	
URBAN	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
* X2600012	REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY	EACH	1	1
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	5680	5680
X5619210	WATER VALVES TO BE ADJUSTED, SPECIAL	EACH	3	3
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	11	11
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2	2
* X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1	1
* X8950301	REMOVE EXISTING TRAFFIC SIGNAL POST	EACH	1	1
* X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	1
Z0018300	DRAINAGE STRUCTURE REPAIR	EACH	2	2
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42
* Z0033072	VIDEO VEHICLE DETECTION SYSTEM	EACH	1	1
Z0034105	MATERIAL TRANSFER DEVICE	TON	5440	5440
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
* Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1	1

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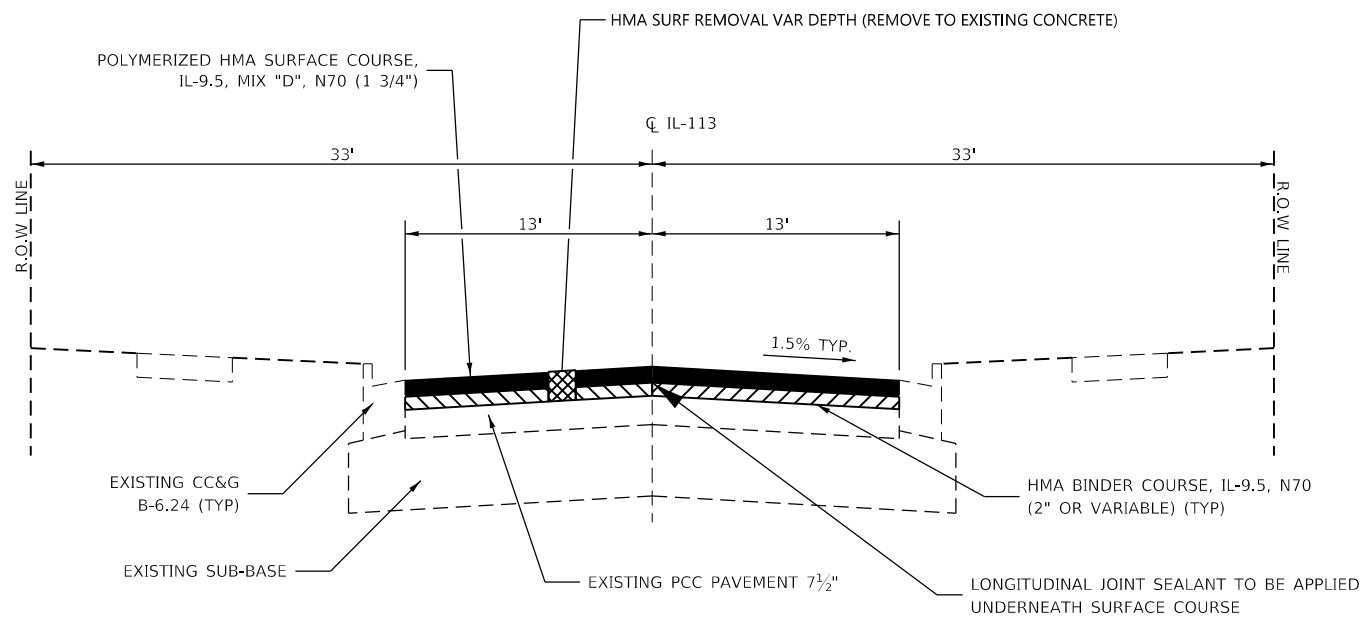
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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

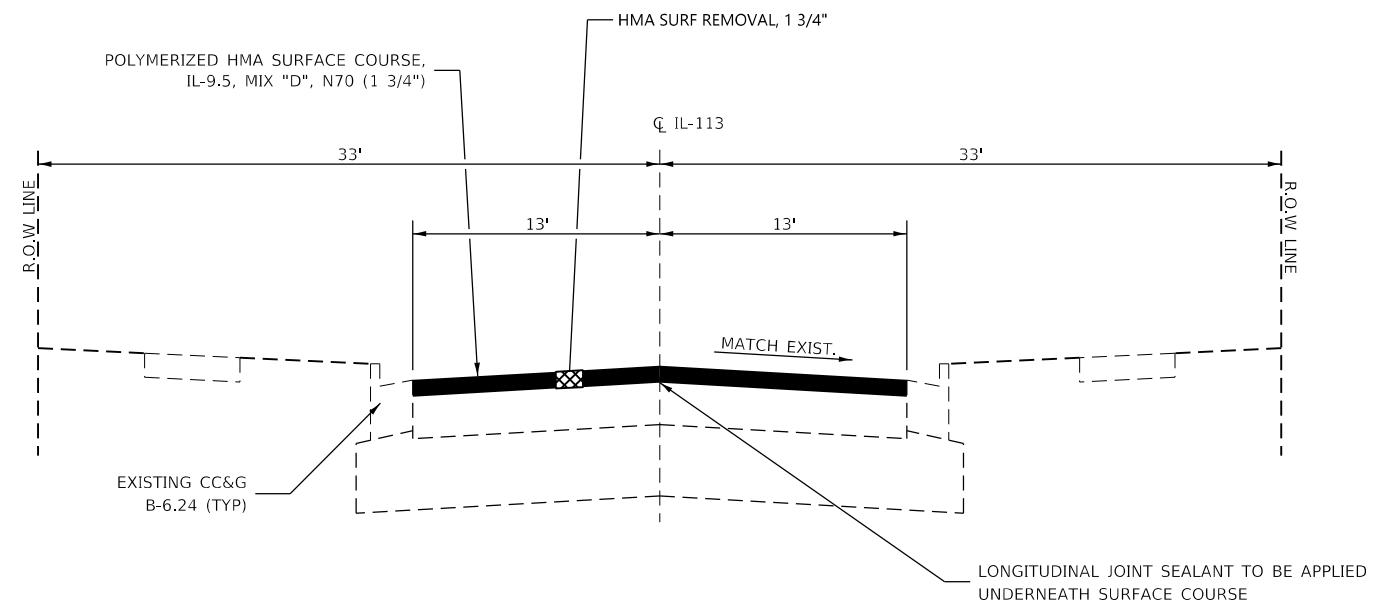
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F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	



**PROPOSED TYPICAL SECTION A**

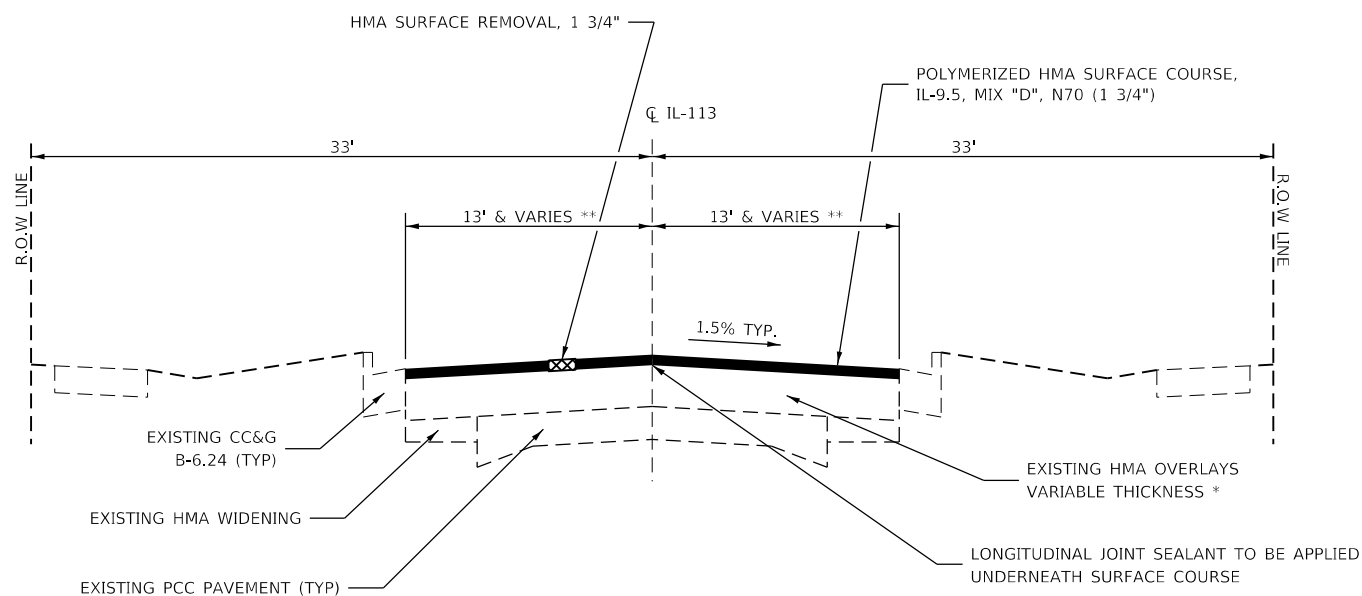
STA. 76+25 TO STA. 76+66  
 BNSF OMISSION - 76+66 TO 76+79



**PROPOSED TYPICAL SECTION B**

STA. 76+79 TO STA. 76+86 (SEE NOTE 1)  
 BNSF OMISSION - 76+86 TO 77+00

NOTE 1: SEE MILLING DETAILS AT RAILROAD 50 FOR STA 76+79 - 76+86



**PROPOSED TYPICAL SECTION C**

STA. 77+00 TO STA. 77+32

HMA MIXTURE REQUIREMENT TABLE			
LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER	HMA SURFACE	HMA INCIDENTAL
BINDER GRADE (PG):	PG 64-22	SBS PG 70-28	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5	IL 9.5
FRICION AGGREGATE:		MIXTURE D	
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCP	QCP	QCQA
SUBLOT SIZE:	1000 TONS	1000 TONS	NA
DENSITY TEST METHOD:	CORES	CORES	SATISFACTION OF ENGINEER
MATERIAL TRANSFER DEVICE (REQUIRED?)	YES	YES	NO

\*\* MAINLINE PAVEMENT VARIABLE WIDTH  
 STA 77+00 TO STA 85+82 13' LT 13' RT      STA 109+48 17' LT 20' RT      STA 157+16 19' LT 19' RT  
 STA 85+82 TO STA 86+11 20' LT 22' RT      STA 111+14 17' LT 17' RT      STA 158+57 19' LT 19' RT  
 STA 86+11 TO STA 104+20 13' LT 13' RT      STA 112+83 13' LT 13' RT      STA 159+43 28' LT 19' RT  
 STA 104+63 16' LT 20' RT      STA 112+83 TO STA 154+76 13' LT 13' RT      STA 159+51 28' LT 19' RT  
 STA 104+88 17' LT 20' RT      STA 155+83 16' LT 16' RT      STA 159+51 TO STA 161+02 19' LT 19' RT

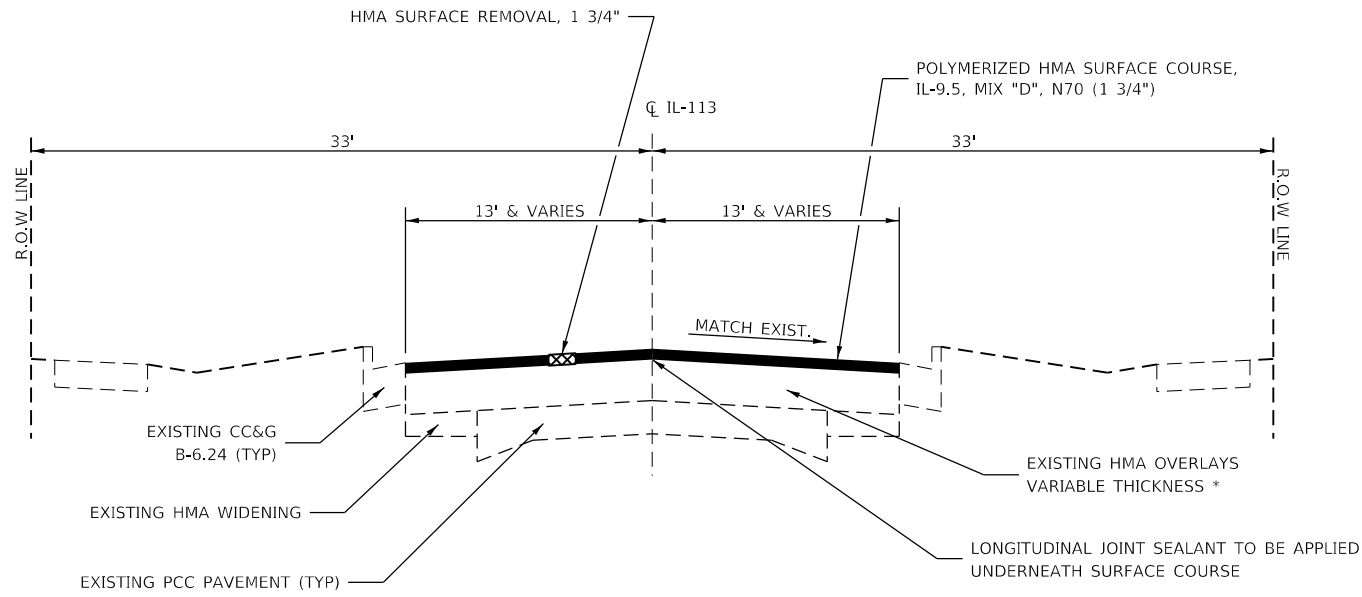
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	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

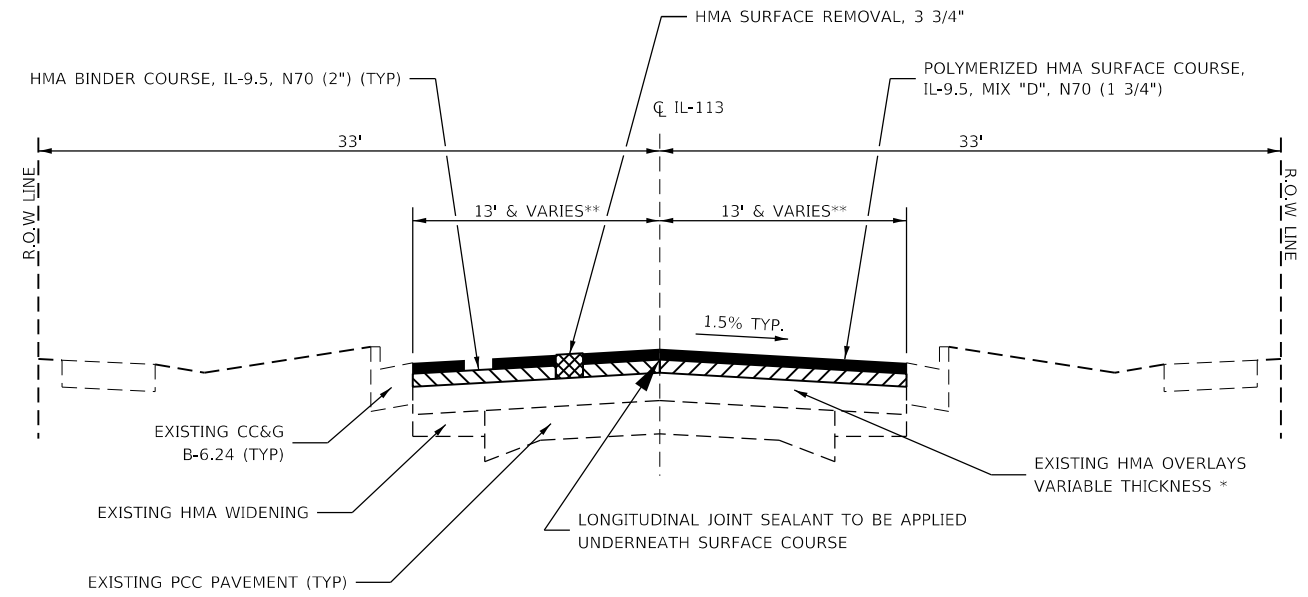
<b>TYPICAL SECTIONS</b>			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	10
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				



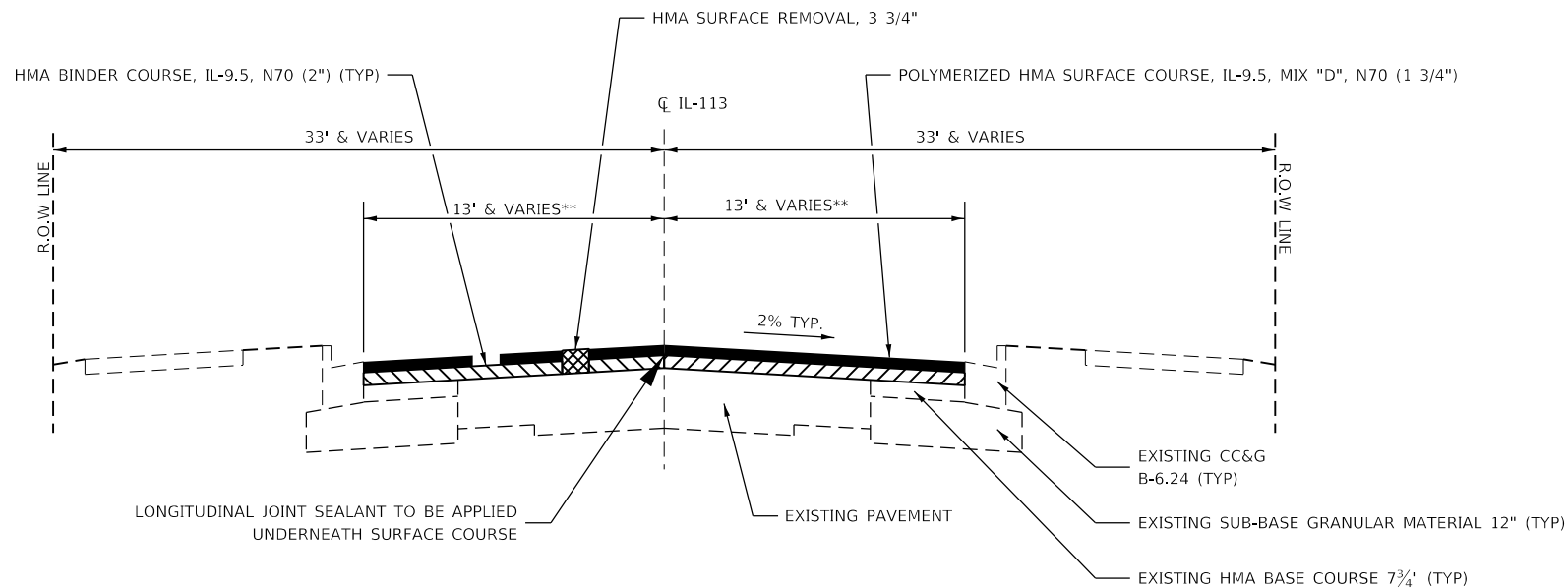
**PROPOSED TYPICAL SECTION D**

STA. 85+62 TO 86+31  
SEE MILLING DETAILS MILLING AT RAILROAD



**PROPOSED TYPICAL SECTION E**

STA. 77+32 TO STA. 85+62  
STA. 86+31 TO 154+51



**PROPOSED TYPICAL SECTION F**

STA. 154+51 TO STA. 161+00

- \*\* MAINLINE PAVEMENT VARIABLE WIDTH**
- STA 77+00 TO STA 85+82 13' LT 13' RT
  - STA 85+82 TO STA 86+11 20' LT 22' RT
  - STA 86+11 TO STA 104+20 13' LT 13' RT
  - STA 104+63 16' LT 20' RT
  - STA 104+88 17' LT 20' RT
  - STA 109+48 17' LT 20' RT
  - STA 111+14 17' LT 17' RT
  - STA 112+83 13' LT 13' RT
  - STA 112+83 TO STA 154+76 13' LT 13' RT
  - STA 155+83 16' LT 16' RT
  - STA 157+16 19' LT 19' RT
  - STA 158+57 19' LT 19' RT
  - STA 159+43 28' LT 19' RT
  - STA 159+51 28' LT 19' RT
  - STA 159+51 TO STA 161+02 19' LT 19' RT

\* INFORMATION FROM CORE REPORT INCLUDED

- 1) STA 91+38 EXIST HMA ±8.25" OVER PCC PAVEMENT
- 2) STA 111+68 EXIST HMA ±15.25" OVER SUBGRADE
- 3) STA 124+23 EXIST HMA ±7" OVER PCC PAVEMENT
- 4) STA 137+29 EXIST HMA ±7.25"

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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	11
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

**MAINLINE SCHEDULE**

LOCATION		LENGTH	MAINLINE WIDTH	AREA	HMA SURF REM VAR DP	HMA SURF REM 1 3/4"	HMA SURF REM 3 3/4"	HMA BC HM N70	HMA BC IL-9.5 N70	POLY HMA SC IL-9.5 D N70	MIX CR JTS & FLANGEWYS	BIT MATLS TACK CT	LONG JOINT SEALANT *	TEMP RAMP	MATL TRANSFER DEVICE
STA TO	STA	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	POUND	FOOT	SQ YD	TON
76+25	TO 76+66	41	26	117	117			0.06	13	11	0.04	79	41	99	24
76+66	TO 76+79	13	OMIT												
76+79	TO 76+86	7	26	20		20		0.01		2	0.01	9	7	58	2
76+86	TO 77+00	14	OMIT												
77+00	TO 77+32	32	VARIABLE	99		99		0.05		10	0.03	45	32	32	10
77+32	TO 81+18.72	387	VARIABLE	1119			1119	0.56	125	110	0.34	755	387	21	235
STATION EQUATION STA. 81+18.72 BK = STA. 81+19.06 AH															
81+19.06	TO 85+62	443	26	1280			1280	0.64	143	125	0.38	864	443	19	268
85+62	TO 86+31	69	26 TO 30	212		212		0.11		21	0.06	95	69	43	21
86+31	TO 104+21	1790	26	5171			5171	2.59	579	507	1.55	3,490	1790	19	1086
104+21	TO 104+37	16	26 TO 34	53			53	0.03	6	5	0.02	36	32		11
104+37	TO 104+88	51	34 TO 37	201			201	0.10	23	20	0.06	136	102		43
104+88	TO 109+48	460	37	1891			1891	0.95	212	185	0.57	1,276	920		397
109+48	TO 111+14	166	37 TO 34	655			655	0.30	73	64	0.20	442	332		137
111+14	TO 112+83	169	34 TO 26	563			563	0.28	63	55	0.17	380	338		118
112+83	TO 125+99.92	1317	26	3804			3804	1.90	426	373	1.10	2,568	1317		799
STATION EQUATION STA. 125+99.92 BK = STA. 126+00.00 AH															
126+00	TO 145+99.90	2000	26	5777			5777	2.89	647	566	1.73	3,899	2000		1213
STATION EQUATION STA. 145+99.90 BK = STA. 146+00.00 AH															
146+00	TO 154+76	876	26	2531			2531	1.27	283	248	0.76	1,708	876		531
154+76	TO 157+16	240	26 TO 38	853			853	0.40	96	84	0.26	576	480		180
157+16	TO 158+57	141	38	595			595	0.30	67	58	0.18	402	282		125
158+57	TO 159+51	94	38 TO 48	449			449	0.22	50	44	0.13	303	188		94
159+51	TO 159+99.75	49	42	228			228	0.11	26	22	0.07	154	98		48
STATION EQUATION STA. 159+99.75 BK = STA. 160+00.00 AH															
160+00	TO 161+00	100	42	467			467	0.23	52	46	0.14	315	200	86	98
<b>TOTAL</b>		<b>8474</b>		<b>26,085</b>	<b>117</b>	<b>331</b>	<b>25,637</b>	<b>13.00</b>	<b>2,884</b>	<b>2,556</b>	<b>7.80</b>	<b>17,532</b>	<b>9,934</b>	<b>377</b>	<b>5,440</b>

\* LONGITUDINAL JOINT SEALANT TO BE INSTALLED AT CENTERLINE AND IN BETWEEN LANES OR TURN LANES

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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	12
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

SIDEROAD & ENTRANCE SCHEDULE												
LOCATION	OFFSET	STREET NAME	TYPE	MATERIAL	LENGTH	WIDTH AT END	WIDTH AT MAINLINE	AREA	HMA SURF REM VAR DP	INC HMA SURF	BIT MATLS TACK CT	TEMP RAMP
					FOOT	FOOT	FOOT	SQ YD	SQ YD	TON	POUND	SQ YD
76+98	LT	LINCOLN	SR	HMA	30	26	23	81	81	7	36	36
81+01	RT	FIRST AVE	SR	HMA	30	26	86	187	187	27	84	36
STATION EQUATION STA. 81+18.72 BK = STA. 81+19.06 AH												
80+26	LT	FIRST AVE	SR	HMA	30	26	86	187	187	27	84	36
84+77	LT	SECOND AVE	SR	HMA	30	26	76	180	180	26	81	36
94+35	LT	FOURTH AVE	SR	HMA	30	26	86	187	187	27	84	36
98+89	LT	FIFTH AVE	SR	HMA	30	26	86	187	187	27	84	36
99+02	RT	RICHARDS ST	SR	HMA	30	14 & 16	25 & 28	124	124	18	56	42
103+41	LT		CE	HMA	18	31	86	117	117	17	53	43
107+58	RT	BERTA RD	SR	HMA	30	70	220	483	483	71	217	97
112+14	LT	MEADOWS LN	SR	HMA	30	49	74	186	186	27	84	68
118+76	RT	MCGINTY ST	SR	HMA	30	29	89	197	197	29	89	40
118+99	LT	MCGINTY ST	SR	HMA	30	26	86	187	187	27	84	36
122+58	LT	TASH ST	SR	HMA	30	26	86	187	187	27	84	36
STATION EQUATION STA. 125+99.92 BK = STA. 126+00.00 AH												
126+30	LT	DEWEY ST	SR	HMA	30	26	86	187	187	27	84	36
130+29	LT	WALL ST	SR	HMA	30	26	86	187	187	27	84	36
136+42	RT	REDMOND ST	SR	HMA	30	26	86	187	187	27	84	36
136+44	LT	REDMOND ST	SR	HMA	30	26	86	187	187	27	84	36
140+31	LT	TINMAN ST	SR	HMA	30	26	86	187	187	27	84	36
144+35	LT	DALY ST	SR	HMA	30	26	86	187	187	27	84	36
144+35	RT	DALY ST	SR	HMA	30	30	90	200	200	29	90	42
STATION EQUATION STA. 145+99.90 BK = STA. 146+00.00 AH												
148+30	LT	SCHOOL ST	SR	HMA	30	26	86	187	187	27	84	36
148+33	RT	SCHOOL ST	SR	HMA	30	26	86	187	187	27	84	36
153+48	LT	CALKEY ST	SR	HMA	30	26	86	187	187	27	84	36
153+48	RT	CALKEY ST	SR	HMA	30	26	86	187	187	27	84	36
156+36	LT	CURTIS ST	SR	HMA	30	48	108	245	245	36	110	67
STATION EQUATION STA. 159+99.75 BK = STA. 160+00.00 AH												
160+29	LT	WILL RD	SR	HMA	30	70	147	376	376	55	169	97
160+35	RT	WILL RD	SR	HMA	30	78	81	382	382	56	172	108
<b>TOTAL SIDEROAD &amp; ENTRANCES</b>								<b>5,563</b>	<b>5,563</b>	<b>803</b>	<b>2,501</b>	<b>1,252</b>

ADJUSTMENT SCHEDULE				
LOCATION	OFFSET FROM CL		FR & LIDS ADJUST SPL	WATER VALVES ADJUST SPL
	LT	RT	EACH	EACH
81+11		13'	1	
107+17		23'	1	
107+49		21'	1	
108+01		23'	1	
111+93	22'			1
112+49	26'		1	
118+81		27'	1	
118+88	27'			1
156+66	25'		1	
159+97	20'		1	
160+04	45'			1
160+17	51'		1	
160+32		19'	1	
160+75	33'		1	
<b>TOTAL</b>			<b>11</b>	<b>3</b>
RESIDENT TO VERIFY QUANTITIES ON SITE				

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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	13
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING SCHEDULE**

LOCATION	LENGTH	THERMOPLASTIC PAVEMENT MARKING											PREF PL PMK TY B		GRV RCSD PVT MRKG						
		4"				6"	8"		12"			LTR & SYM	6"	24"	5"	7"	9"	25"	LTR & SYM		
		YELLOW NP	YELLOW MEDIAN INSIDE	YELLOW MEDIAN OUTSIDE	WHITE EOP	YELLOW SKIPS	WHITE TURN LANES	WHITE MEDIAN	WHITE DIAG	WHITE XWALK LINES	YELLOW MEDIAN DIAG		WHITE CROSSWALK	WHITE STOP BAR	FOOT	FOOT	FOOT	FOOT		FOOT	SQ FT
STA TO STA	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT		
* 76+25 TO 77+45	120	240											61		39	240			39	66	
77+45 TO 80+53	308	308						80					61		13	308	80		13	66	
80+53 TO 81+18.72	66						20								13		20		13		
STATION EQUATION STA 81+18.72 BK = STA 81+19.06 AH																					
81+19.06 TO 82+36	117						30										30				
82+36 TO 85+49	313	313					80						61		26	313	80		26	66	
85+49 TO 86+42	93	186													26	186			26		
86+42 TO 89+58	316	316					80						61		26	316	80		26	66	
89+58 TO 104+14	1456						360								13		360				
104+14 TO 107+03	289		593	593	390			70	140			101			21	593			21		
107+03 TO 107+99	96									150					96		64		96	64	
107+99 TO 109+49	150	300							150				47			300			150		
109+49 TO 111+13	164		328	328				41								328			41		
111+13 TO 112+84	171		342	342												342					
112+84 TO 117+84	500	500					130									500	130				
117+84 TO 125+99.92	816						200					96			61		261				
STATION EQUATION STA 125+99.92 BK = STA 126+00.00 AH																					
126+00 TO 145+99.90	2000						500										500				
STATION EQUATION STA 145+99.90 BK = STA 146+00.00 AH																					
146+00 TO 149+51	351						90										90				
149+51 TO 153+21	370	370					90									370	90				
153+21 TO 153+79	58																				
153+79 TO 154+77	98	98					20									98	20				
154+77 TO 156+00	123		248	248												248					
156+00 TO 156+65	65														123						
156+65 TO 158+47	182		370	370				33								370		33			
158+47 TO 159+66	119	238						119								238			119		
159+66 TO 159+99.75	34											198			125		125				
STATION EQUATION STA 159+99.75 BK = STA 160+00.00 AH																					
160+00 TO 161+00	100																				
<b>TOTAL</b>	<b>8474</b>		<b>7021</b>				<b>1680</b>		<b>413</b>			<b>885</b>	<b>369</b>		<b>405</b>	<b>241</b>	<b>4750</b>	<b>1962</b>	<b>343</b>	<b>228</b>	<b>264</b>

\* QUANTITY PROVIDED FOR RR CROSSING PAVEMENT MARKING APPROXIMATELY 302 FT WEST OF RESURFACING LIMITS.

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET 3	OF 8 SHEETS	STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	14
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

**SHORT TERM PMK & RAISED REFLECTOR SCHEDULE**

LOCATION	LENGTH	RAISED REFL PVMT MARKER INSTALL		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	SHORT TERM PAVT MARKING	
		ONE-WAY CRYSTAL	TWO-WAY AMBER		INSTALL (3 APP)	REMOVE (2 APP)
STA TO STA	FOOT	EACH	EACH	EACH	FOOT	SQ FT
76+25 TO 77+45	120		2	2	36	8
77+45 TO 80+53	308		4	4	93	21
80+53 TO 81+18.72	66		1	1	21	5
STATION EQUATION STA. 81+18.72 BK = STA. 81+19.06 AH						
81+19.06 TO 82+36	117		1	1	36	8
82+36 TO 85+49	313		4	4	93	21
85+49 TO 86+42	93		1	1	27	6
86+42 TO 89+58	316		4	4	96	21
89+58 TO 104+14	1456		18	18	438	97
104+14 TO 107+03	289		4	4	174	39
107+03 TO 107+99	96					
107+99 TO 109+49	150	4	2	6	567	126
109+49 TO 111+13	164		2	2	99	22
111+13 TO 112+84	171		9	9	102	23
112+84 TO 117+84	500		6	6	150	33
117+84 TO 125+99.92	816		10	10	246	55
STATION EQUATION STA. 125+99.92 BK = STA. 126+00.00 AH						
126+00 TO 145+99.90	2000		25	25	600	133
STATION EQUATION STA. 145+99.90 BK = STA. 146+00.00 AH						
146+00 TO 149+51	351		4	4	105	23
149+51 TO 153+21	370		5	5	111	25
153+21 TO 153+79	58				18	4
153+79 TO 154+77	98		1	1	30	7
154+77 TO 156+00	123		12	12	75	17
156+00 TO 156+65	65					
156+65 TO 158+47	182		16	16	108	24
158+47 TO 159+66	119	3	6	9	540	120
159+66 TO 159+99.75	34					
STATION EQUATION STA. 159+99.75 BK = STA. 160+00.00 AH						
160+00 TO 161+00	100					
<b>TOTAL</b>	<b>8474</b>		<b>144</b>	<b>144</b>	<b>3765</b>	<b>838</b>

**MAINTENANCE SCHEDULE**

LOCATION	SIDE	OFFSET	COMB	CC&G	INLETS	STONE	FILTER	DRAIN	FUR	REMARKS
			CURB GUTTER REM	TY B 6.24 *	TO BE ADJ	RIPRAP CL A1	FABRIC	STR REPAIR	EX ***	
			FOOT	FOOT	EACH	SQ YD	SQ YD	EACH	CU YD	
111+20	LT	EOP	20	20	1	--	--	--	--	NORTH INLET, APPROX 100' WEST OF MEADOWS LN
115+60	LT	EOP	10	10	1	--	--	--	--	NORTH INLET, APPROX 330' EAST OF MEADOWS LN
** 115+68	RT	25	--	--	--	1.1	6.3	1	--	EX MH 5-DIA W/ TY 8 GRATE, SINKHOLES AROUND DRAINAGE STRUCTURE PRESENT.
130+70	RT	EOP	10	10	1	--	--	--	--	SOUTH INLET - SE QUADRANT OF WALL ST
** 130+70	RT	25	--	--	--	1.1	6.3	1	5	EX MH 5-DIA W/ TY 8 GRATE, SINKHOLES AROUND DRAINAGE STRUCTURE PRESENT.
<b>TOTALS</b>			<b>40</b>	<b>40</b>	<b>3</b>	<b>2</b>	<b>13</b>	<b>2</b>	<b>5</b>	

NOTES:

\*CURB AND GUTTER JOINTS & REINFRCEMENT SHALL FOLLOW HWY STNDS 606001 & 420001

\*\* RESTORE SURROUNDING WORK AREA WITH APPROVED SEEDING, FERTILIZER AND EROSION CONTROL BLANKET

\*\*\* TO BE USED TO REGRADE AND FILL EXISTING HOLES AND DIPS SURROUNDING THE STRUCTURE

MODEL: \\MODELS\MARIS  
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	DRAWN -	REVISED -
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PLOT DATE = 3/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	15
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

ADA SIDEWALK SCHEDULE

LOCATION	QUADRANT	LOCATION	SW	DRIVE	CC&G	PCC	PCC	AGG	DETECT	COMB CONCRETE			REM & RELOC	FURN	FRAME	WATER	INLETS	SOD	SUPPL							
			REM	PAVT	REM	SW	SW	BSE		CURB & GUTTER										EX SIGN	EX	& LIDS	VALVE	TO BE		WATER
				REM		4"	6"	CSE		TY B	TY B	TY B								PANEL-POLE	CU YD	TO BE	TO BE	ADJ		SQ YD
			SQ FT	SQ YD	FOOT	SQ FT	SQ FT	SQ YD	SQ FT	FOOT	FOOT	FOOT	EACH		EACH	EACH	EACH	SQ YD	UNIT							
(1)	LINCOLN ST	NE	COAL CITY	132.6		13	140.3		15.6	10.6		13						9.4	0.056							
(1)	LINCOLN ST	NW	COAL CITY	72.8		0	73.0		8.1	10.0		0						1.3	0.008							
(1)	N FIRST AVE	NW	COAL CITY	45.9		16	46.1		5.1	9.6		16						3.2	0.019							
(1)	N FIRST AVE	NE	COAL CITY	82.4		12	84.6		9.4	10.2		12						5.7	0.034							
(1)	S FIRST AVE	SW	COAL CITY	68.3		13	75.3		8.4	10.0		13			1			6.3	0.038							
(1)	S FIRST AVE	SE	COAL CITY	75.3		14	78.3		8.7	10.0		14						0.0	0.000							
(1)	N SECOND AVE	NW	COAL CITY	123.5		12	62.6	65.3	14.2	10.7		12	1					7.6	0.046							
	N SECOND AVE	NE	COAL CITY	129.4		22	144.8		16.1	24.0		22			1			12.1	0.073							
	N FOURTH AVE	NW	COAL CITY	90.2		13	139.7		15.5	10.0		13						12.4	0.074							
	N FOURTH AVE	NE	COAL CITY	42.0		12	63.5		7.1	10.0		12						4.3	0.026							
	N FIFTH AVE	NW	COAL CITY	62.8		12	62.0		6.9	9.3		12						5.3	0.032							
	N FIFTH AVE	NE	DIAMOND	64.5		13	78.3		8.7	12.0		13						6.7	0.040							
	RICHARDS ST	SW	COAL CITY	74.9		16	76.0		8.4	9.9	16							7.0	0.042							
	BERTA ST	NW	DIAMOND	93.9		15	104.3		11.6	12.0		15					1	6.8	0.041							
	BERTA ST	SW	DIAMOND	100.8		15	103.6		11.5	12.0		15					1	9.8	0.059							
	MEADOWS LN	NW	DIAMOND	131.8		11	135.8		15.1	12.5	11							9.0	0.054							
	MEADOWS LN	NE	DIAMOND	93.6		12	100.6		11.2	12.0	12							7.4	0.044							
(1)	MCGINTY ST	NW	DIAMOND	67.4		13	74.7		8.3	12.0		13		1				2.2	0.013							
	MCGINTY ST	NE	DIAMOND	139.9		29	155.9		17.3	24.0		29						8.7	0.052							
	MCGINTY ST	SE	DIAMOND	105.1		15	116.3		12.9	12.8		15						9.7	0.058							
	TASH ST	NW	DIAMOND	71.4		13	83.1		9.2	12.0		13						6.1	0.037							
	TASH ST	NE	DIAMOND	45.6		12	50.6		5.6	12.0		12						4.3	0.026							
	DEWEY ST	NW	DIAMOND	62.9		14	71.6		8.0	12.0		14						5.3	0.032							
	DEWEY ST	NE	DIAMOND	71.5		11	79.7		8.9	12.0		11						5.8	0.035							
	WALL ST	NW	DIAMOND	64.3		13	72.8		8.1	12.0		13						5.3	0.032							
	WALL ST	NE	DIAMOND	154.1		12	163.3		18.1	12.0		12						9.7	0.058							
(1)	REDMOND ST	NW	DIAMOND	67.5		13	74.7		8.3	12.0		13						5.7	0.034							
(1)	REDMOND ST	NE	DIAMOND	70.0		11	79.3		8.8	12.0		11						6.2	0.037							
	TINMAN ST	NW	DIAMOND	99.2		14	108.8		12.1	12.0		14						9.1	0.055							
	TINMAN ST	NE	DIAMOND	94.1		12	105.6		11.7	12.0		12						8.1	0.049							
	DALEY ST	NW	DIAMOND	73.2		12	82.0		9.1	12.0		12						6.2	0.037							
	DALEY ST	NE	DIAMOND	85.4		11	94.8		10.5	12.0		11						7.6	0.046							
	SCHOOL ST	NW	DIAMOND	90.3		12	100.8		11.2	12.0		12						3.6	0.022							
	SCHOOL ST	NE	DIAMOND	83.1		12	92.5		10.3	12.0		12						6.9	0.041							

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/4/2022	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	16
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				



ADA SIDEWALK SCHEDULE																				
LOCATION	QUADRANT	LOCATION	SW	DRIVE	CC&G	PCC	PCC	AGG	DETECT WARNING	COMB CONCRETE			REM & RELOC	FURN	FRAME	WATER	INLETS	SOD	SUPPL	
			REM	PAVT	REM	SW	SW	BSE		CURB & GUTTER			EX SIGN	EX	& LIDS	TO BE		WATER		
			SQ FT	SQ YD	FOOT	4"	6"	CSE		TY B	TY B	TY B	PANEL-POLE	CU YD	TO BE	ADJ	ADJ	ADJ	ADJ	SQ YD
							6.12	6.18	6.24	ASSEMBLY										
(2)	STA 150+69	N	DIAMOND	55.0		8	--					8		1				6.7	0.040	
	CALKEY ST	NW	DIAMOND	90.0		12	101.9		11.3	12.0		12						8.1	0.049	
	CALKEY ST	NE	DIAMOND	57.2		11	67.8		7.5	12.0		11						2.0	0.012	
(1,3)	CALKEY ST (154+09)	SE	DIAMOND		69.4	94	--					94		10			1	83.8	0.503	
	BERTA CURTIS ST	NW	DIAMOND	84.7		13	97.5		10.8	12.0		13					1	2.9	0.017	
	BERTA CURTIS ST	NE	DIAMOND	103.7		20	104.4		11.6	26.8		20						3.4	0.020	
<b>TOTALS</b>				<b>3,320</b>	<b>69</b>	<b>608</b>	<b>3,547</b>	<b>65</b>	<b>401</b>	<b>474</b>	<b>23</b>	<b>16</b>	<b>569</b>	<b>1</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>332</b>	<b>2.0</b>

NOTES:

- CURB AND GUTTER JOINTS & REINFORCEMENT SHALL FOLLOW HWY STNDS 606001 & 420001
- FERTILIZER - NITROGEN, POTASSIUM AND PHOSPHOROUS APPLICATION SHALL BE INCLUDED IN THE COST OF THE SODDING PAY ITEM AT A RATE OF 60 LBS/ACRE
- SUPPL WATERING - **2 ADDITIONAL WATERINGS** WERE USED TO ESTIMATE QUANTITIES (3 GAL/SY). INCREASE WATERING & ADJUST APPLICATION RATE IF JUSTIFIED PER ART 252.09.
- (1) - ENVIRONMENTAL CONDITIONS EXIST - PLEASE SEE SPECIAL PROVISIONS
- (2) - STA 150+69 (Approx) - REMOVE MIDBLOCK SIDEWALK LOCATED BY MONUMENT IN DIAMOND - REQUEST MADE BY CITY OF DIAMOND
- (3) - STA 154+09 - REMOVE ENTIRE DRIVEWAY & RPL ADJ CC&G AT EMPTY LOT SE OF CALKEY ST - REQUEST MADE BY CITY OF DIAMOND

SIDEWALK REMOVAL & REPLACEMENT SCHEDULE											
ITEM NO. #	LOG MILE *	STA (APPROX)	SIDE (LT/RT)	LENGTH	WIDTH	AREA	SW REM	PCC SW 4"	INLET ADJ	MH ADJ	REMARKS
				FT	FT	SQ FT	SQ FT	SQ FT	EACH	EACH	
1	0.11	82+05.80	RT	11.8	5.0	58.8	58.8	58.8			SW BY SHELL GAS STATION
2	0.12	82+58.60	RT	23.2	5.2	120.6	120.6	120.6	1		SW BY SHELL GAS STATION
3	0.13	83+11.40	RT	34.6	5.0	173.0	173.0	173.0			SW BY SHELL GAS STATION
4	0.19	86+28.20	RT	10.0	4.5	45.0	45.0	45.0			APPROX 64' EAST OF RR TRACKS
5	0.45	100+01.00	LT	7.1	5.0	35.5	35.5	35.5		1	APPROX 101' E OF 5TH
6	0.47	101+06.60	LT	6.0	4.5	27.0	27.0	27.0			SW ADJACENT TO E. OF PE OF RESIDENCE #1020
7	0.48	101+59.40	LT	5.0	4.5	22.5	22.5	22.5			APPROX 26' FROM ITEM #6
8	0.55	105+29.00	LT	10.0	4.5	45.0	45.0	45.0			SW ADJACENT TO W. OF PE OF RESIDENCE #1142, APPROX 240' W OF BERTA RD
9	0.79	117+96.20	LT	11.0	5.0	55.0	55.0	55.0			SW APPROX 87' W OF MCGUINITY RD, BY MORRIS HOSPITAL
10	1.02	130+10.60	LT	5.0	5.0	25.0	25.0	25.0			APPROX 62' W OF WALL ST
11	1.08	133+27.40	LT	19.7	4.5	88.7	88.7	88.7			APPROX 300' W OF REDMONT ST
12	1.09	133+80.20	LT	8.5	4.5	38.3	38.3	38.3			APPROX 280' W OF REDMONT ST (WEST OF MEX RESTAURANT C.E.)
13	1.19	139+08.20	LT	5.0	4.5	22.5	22.5	22.5			APPROX 250' E OF REDMONT ST (BY WHISTLE STOP CAFE SIGN)
14	1.23	141+19.40	LT	10.0	4.5	45.0	45.0	45.0			APPROX 64' E OF TINMAN ST
**	1.33	146+47.40	LT	7.5	5.0	37.5	11.3	37.5			APPROX 157' W OF SCHOOL ST
	1.42	151+22.60	LT	10.0	5.0	50.0	50.0	50.0			APPROX 63' E OF MONUMENT LIGHT
	1.50	155+45.00	LT	50.0	4.5	225.0	225.0	225.0			APPROX 90' W OF CURTIS ST
<b>TOTAL</b>						<b>1,114</b>	<b>1,088</b>	<b>1,114</b>	<b>1</b>	<b>1</b>	

\* LOG MILE COUNT BEGINS AT EXISTING WEST LIMITS OF PROJECT (PCC JOINT, W OF LINCOLN ST)  
 \*\* REMOVE EXIST AGG TO INSTALL NEW SIDEWALK

ENVIRONMENTAL QUANTITIES		
PAY ITEM	UNIT	QUANTITY
NON-SPECIAL WASTE DISPOSAL	CU YD	41
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1
REGULATED SUBSTANCES MONITORING	CAL DA	15
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1
SOIL DISPOSAL ANALYSIS	EACH	9
EARTH EXCAVATION	CU YD	41

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USER NAME = calderon	DESIGNED -	REVISED - LC 4/25/2022
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET 6	OF 8 SHEETS	STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	17
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL QUANTITIES			
PAY ITEM	UNIT	QTY	REMARKS
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	IL 113 & BERTA RD
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1	
PERMANENT TRAFFIC SIGNAL TIMING	EACH	1	
VIDEO VEHICLE DETECTION SYSTEM	EACH	1	
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1	

APS PEDESTRIAN PUSH BUTTONS - IL 113 & BERTA RD*					
DESCRIPTION	QUADRANT		UNIT	TOTAL	COMMENTS
	SW	NW			
<b>REMOVAL</b>					
REMOVE EXIST TRAFFIC SIGNAL EQUIPMENT	1		EACH	1	TOTAL FOR THE ENTIRE INTERSECTION
REMOVE EXISTING CONCRETE FOUNDATION	0	1	EACH	1	REMOVAL OF EX. PED-BUTTON POST FOUNDATION
REMOVE ELECTRIC CABLE FROM CONDUIT	0	169	FOOT	169	
REMOVE EXISTING TRAFFIC SIGNAL POST	0	1	EACH	1	REMOVAL OF EX. PED-BUTTON POST
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	0	1	EACH	1	REMOVAL OF EX. PED-HEAD
<b>INSTALLATION</b>					
DRILL EXIST HANDHOLE	0	1	EACH	1	PAY ITEM TO BE USED IF REQUIRED
UNDERGROUND CONDUIT PVC 1.5" DIA	0	2	FOOT	2	NEW CONNECTION TO EXISTING HANDHOLE
ACCESSIBLE PEDESTRIAN SIGNALS	1	1	EACH	2	APS PUSH-BUTTON - SEE NOTES
CONCRETE FOUNDATION, TYPE A	0	4	FOOT	4	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	0	1	EACH	1	INSTALL WITH PUSH BUTTON & PED HEAD
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	0	1	EACH	1	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	0	201	FOOT	201	TO BE INSTALLED IN EXISTING CONDUIT
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	0	201	FOOT	201	TO BE INSTALLED IN EXISTING CONDUIT

**NOTE:** CONTACT IDOT DISTRICT 3 - TRAFFIC SIGNAL SECTION  
**AT 815-434-8506**, 72 HOURS IN ADVANCE FOR LAYOUT OF PEDESTRIAN PUSH BUTTON

**GENERAL REQUIREMENTS FOR PROPOSED ACCESSIBLE PEDESTRIAN SIGNALS (APS) PUSH-BUTTONS:**

- A) PROP. PED. PUSH-BUTTON POSTS SHALL BE LOCATED AS SHOWN IN THE ADA DETAILS. INSTALLATION PER HWY STND 876001.
- B) ALL (APS) PED PUSH-BUTTONS SHALL BE WITHIN 10" FROM THE FACE OF THE CURB OR EDGE OF SIDEWALK. WHEN REQUIRED, THE CONTRACTOR SHALL FURNISH/INSTALL PED-BUTTON EXTENSIONS TO MEET THIS REQUIREMENT. THE COST OF THE EXTENSION SHALL BE INCLUDED IN ACCESSIBLE PEDESTRIAN SIGNALS (EACH).
- C) MOUNTING HEIGHT OF (APS) PUSH-BUTTONS SHALL BE 36" (PREFERRED) FROM THE SIDEWALK SURFACE. ORIENTATION OF NEW (APS) PUSH-BUTTONS SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
- D) FURNISH NEW SIGNS FOR (APS) PED-BUTTON.
- E) ALL ITEMS SHALL BE FURNISHED AS NEW EQUIPMENT.

**REMOVAL OF EXISTING PEDESTRIAN PUSH BUTTONS:**

- 1) REMOVE EX. PED PUSH-BUTTONS FROM EXISTING POST.
  - 2) REPAIR HOLES RESULTING FROM THE REMOVAL OF EX. PED PUSH-BUTTONS.
- COST OF THIS WORK SHALL BE INCLUDED IN REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT (EACH)

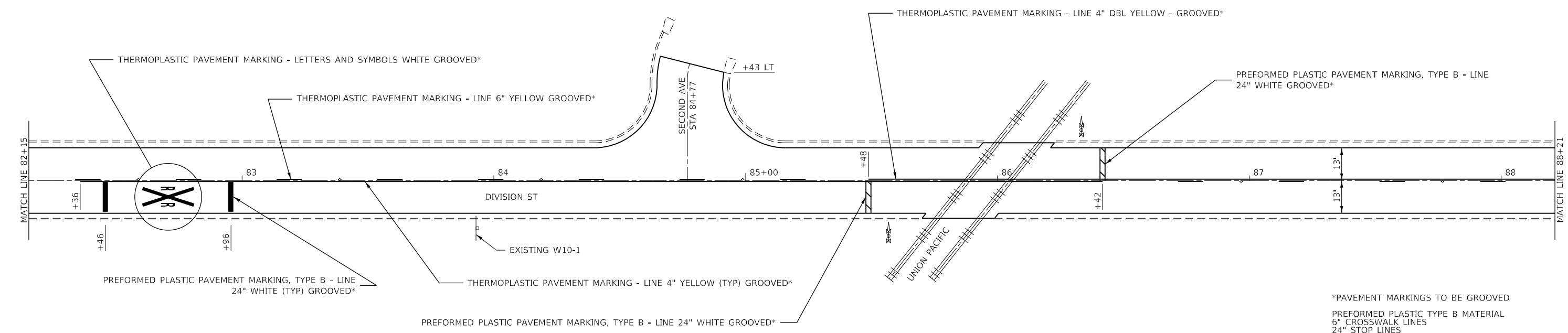
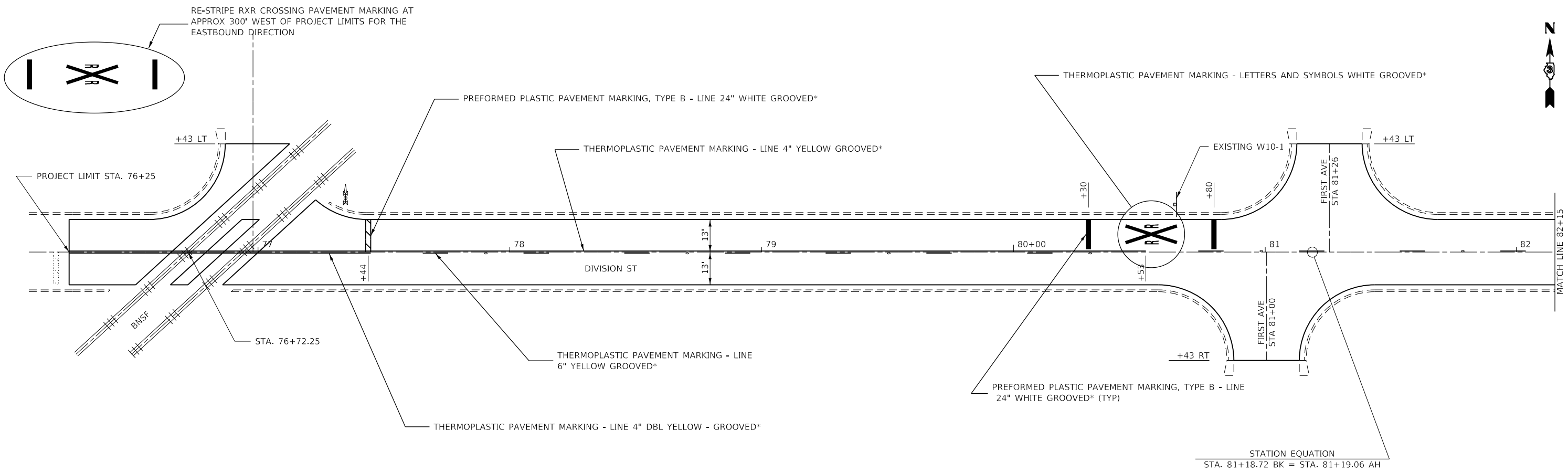
**PROPOSED (APS) PUSH-BUTTON ON EXISTING POSTS:**

- 1) REMOVE EX. PED PUSH-BUTTONS & REPAIR HOLES.
- 2) INSTALL NEW (APS) PUSH-BUTTONS ON EXISTING POST AND ADJUST MOUNTING HEIGHT, ORIENTATION AND FURNISH/INSTALL EXTENSIONS (IF REQUIRED) TO MEET THE GENERAL REQUIREMENTS.

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	DRAWN -	REVISED -		SCALE:	SHEET 7	OF 8	SHEETS	STA.	TO STA.	301	113 RS-4	GRUNDY	58	18
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -								CONTRACT NO. 66E48				
PLOT DATE = 3/15/2022	DATE -	REVISED -								ILLINOIS FED. AID PROJECT				





STATION EQUATION  
 STA. 81+18.72 BK = STA. 81+19.06 AH

\*PAVEMENT MARKINGS TO BE GROOVED  
 PREFORMED PLASTIC TYPE B MATERIAL  
 6" CROSSWALK LINES  
 24" STOP LINES  
 THERMOPLASTIC PAVEMENT MARKINGS  
 4" OUTSIDE LINES OF PAINTED MEDIAN  
 (STA 77+48 TO STA 85+48 4" YELLOW NO PASSING TO BE GROOVED)  
 6" SKIP DASH  
 8" THERMOPLASTIC TURN LANES DASH & SOLID  
 RR CROSSING SYMBOLS & ASSOCIATED 24" BARS  
 PAVEMENT MARKINGS AT SIDEROADS  
 SHALL NOT BE GROOVED

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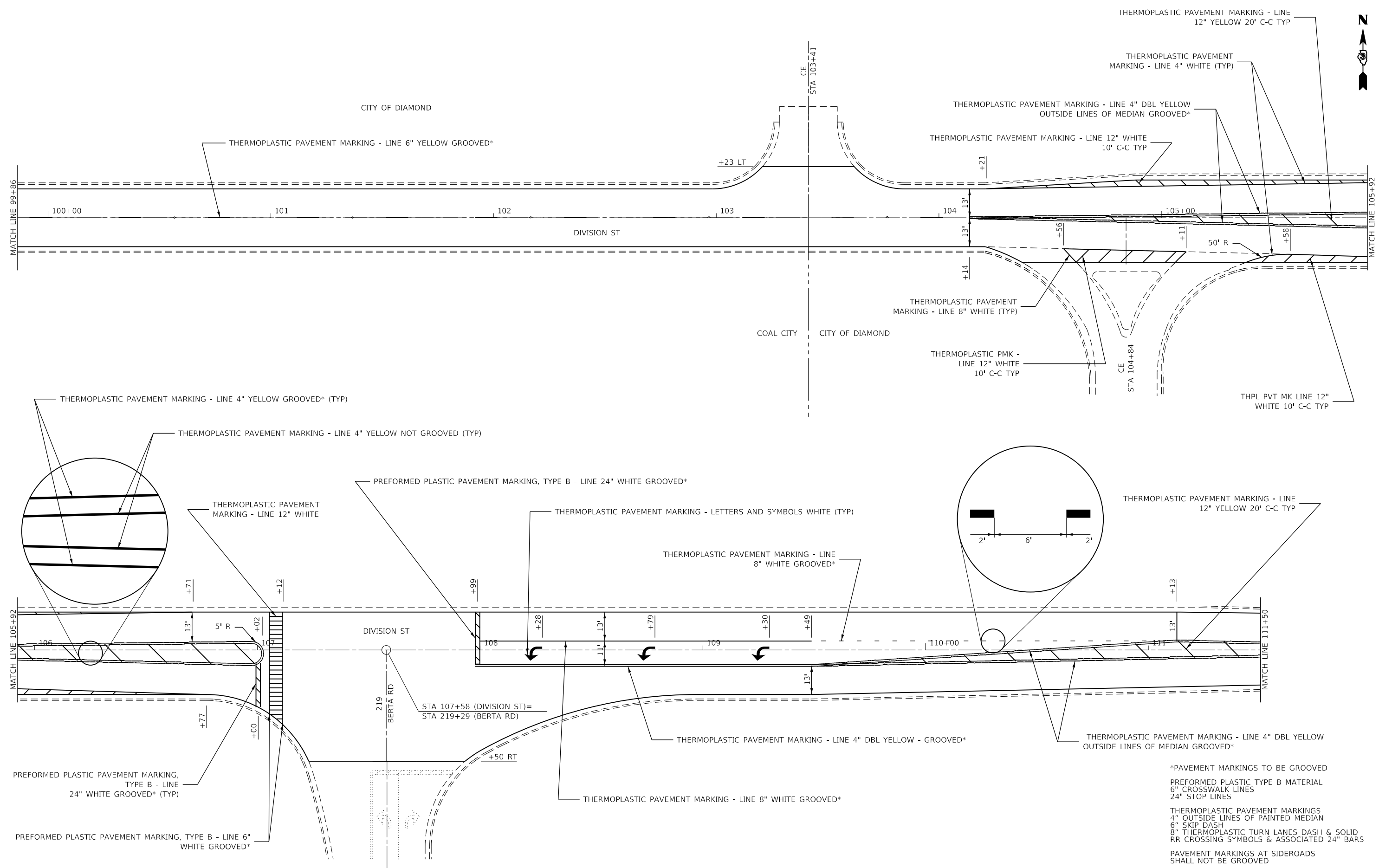
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	20
CONTRACT NO. 66E48			ILLINOIS FED. AID PROJECT	





\*PAVEMENT MARKINGS TO BE GROOVED  
 PREFORMED PLASTIC TYPE B MATERIAL  
 6" CROSSWALK LINES  
 24" STOP LINES  
 THERMOPLASTIC PAVEMENT MARKINGS  
 4" OUTSIDE LINES OF PAINTED MEDIAN  
 6" SKIP DASH  
 8" THERMOPLASTIC TURN LANES DASH & SOLID  
 RR CROSSING SYMBOLS & ASSOCIATED 24" BARS  
 PAVEMENT MARKINGS AT SIDEROADS  
 SHALL NOT BE GROOVED

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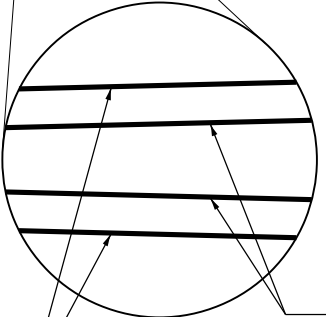
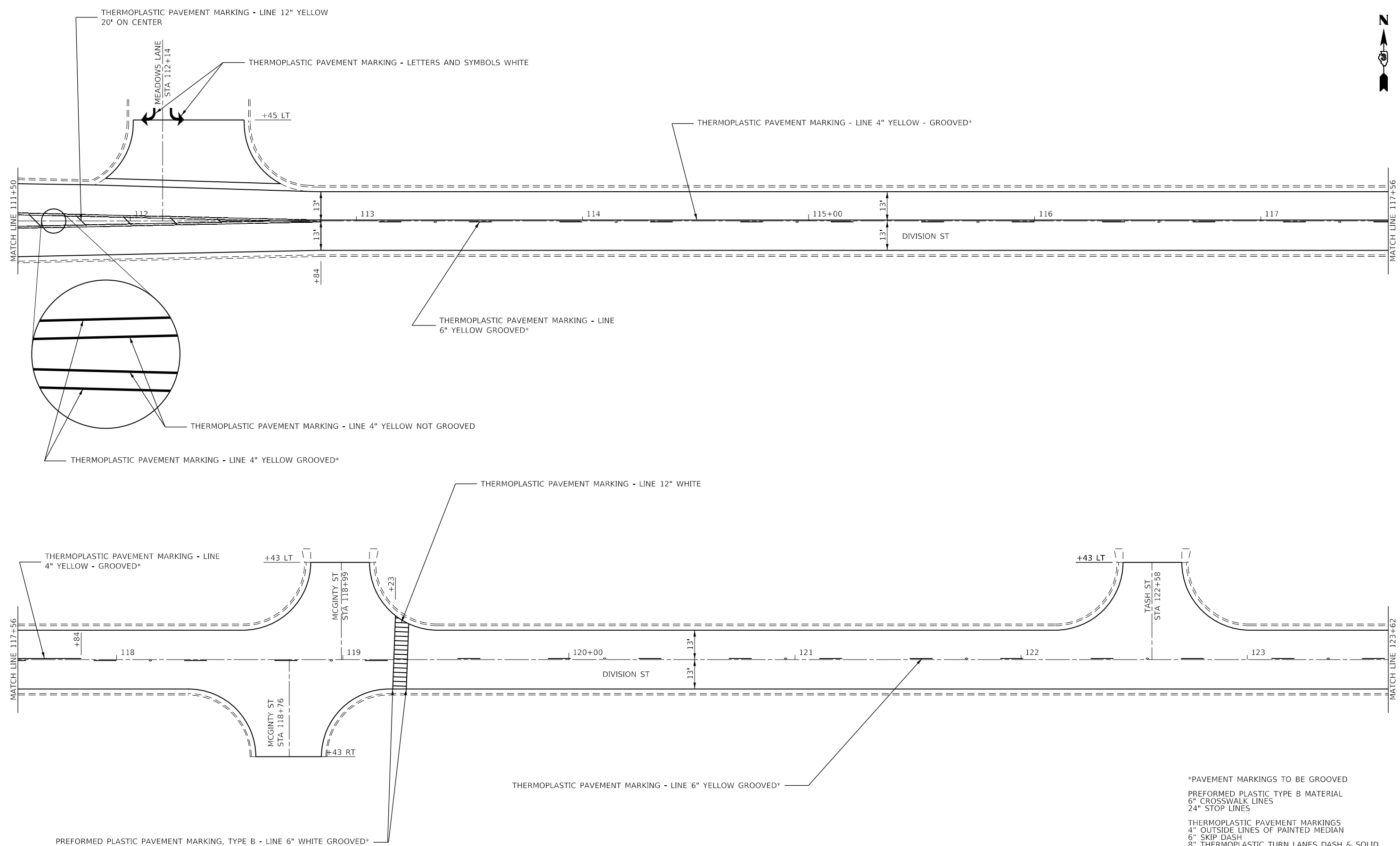
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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	22
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				



\*PAVEMENT MARKINGS TO BE GROOVED  
 PREFORMED PLASTIC TYPE B MATERIAL  
 6" CROSSWALK LINES  
 24" STOP LINES

THERMOPLASTIC PAVEMENT MARKINGS  
 4" OUTSIDE LINES OF PAINTED MEDIAN  
 6" SKIP DASH  
 8" THERMOPLASTIC TURN LANES DASH & SOLID  
 RR CROSSING SYMBOLS & ASSOCIATED 24" BARS

PAVEMENT MARKINGS AT SIDEROADS  
 SHALL NOT BE GROOVED

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	DRAWN -	REVISED -
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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

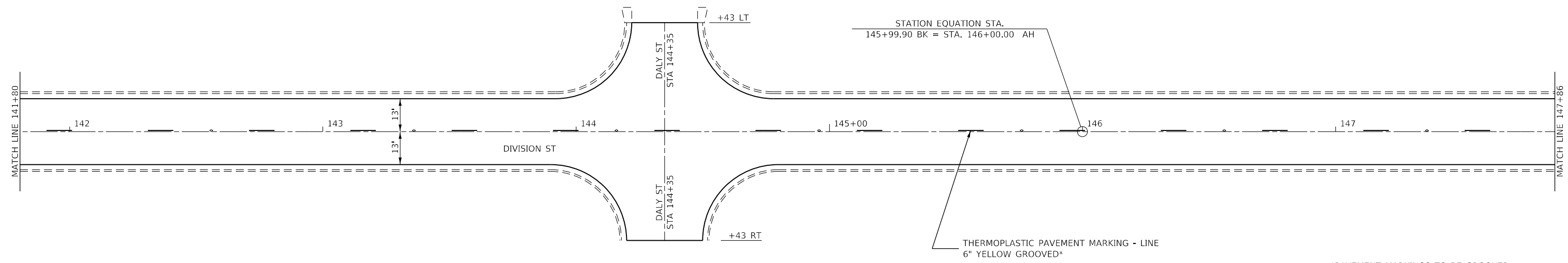
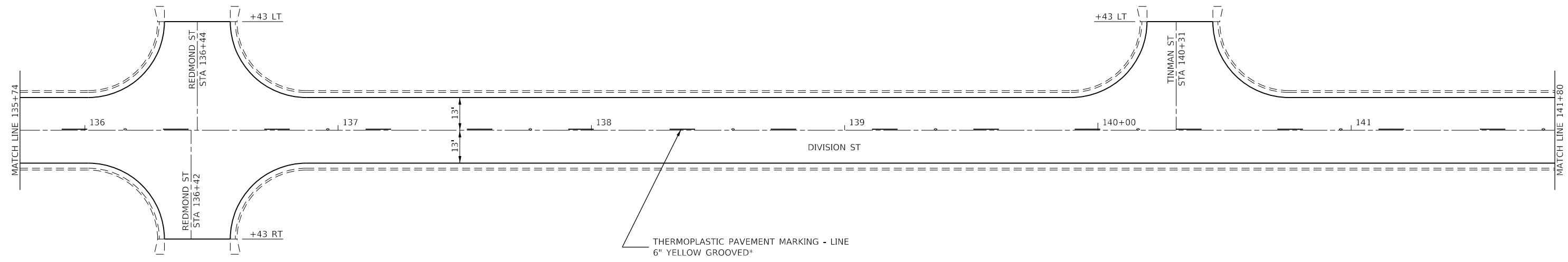
**PAVEMENT MARKING DETAILS**

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	23
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				







\*PAVEMENT MARKINGS TO BE GROOVED  
 PREFORMED PLASTIC TYPE B MATERIAL  
 6" CROSSWALK LINES  
 24" STOP LINES  
 THERMOPLASTIC PAVEMENT MARKINGS  
 4" OUTSIDE LINES OF PAINTED MEDIAN  
 6" SKIP DASH  
 8" THERMOPLASTIC TURN LANES DASH & SOLID  
 RR CROSSING SYMBOLS & ASSOCIATED 24" BARS  
 PAVEMENT MARKINGS AT SIDEROADS  
 SHALL NOT BE GROOVED

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USER NAME = ZAGARIK	DESIGNED -	REVISED -
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PLOT DATE = 3/15/2022	DATE -	REVISED -

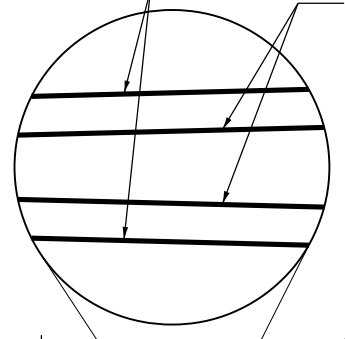
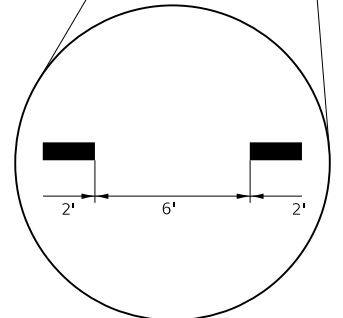
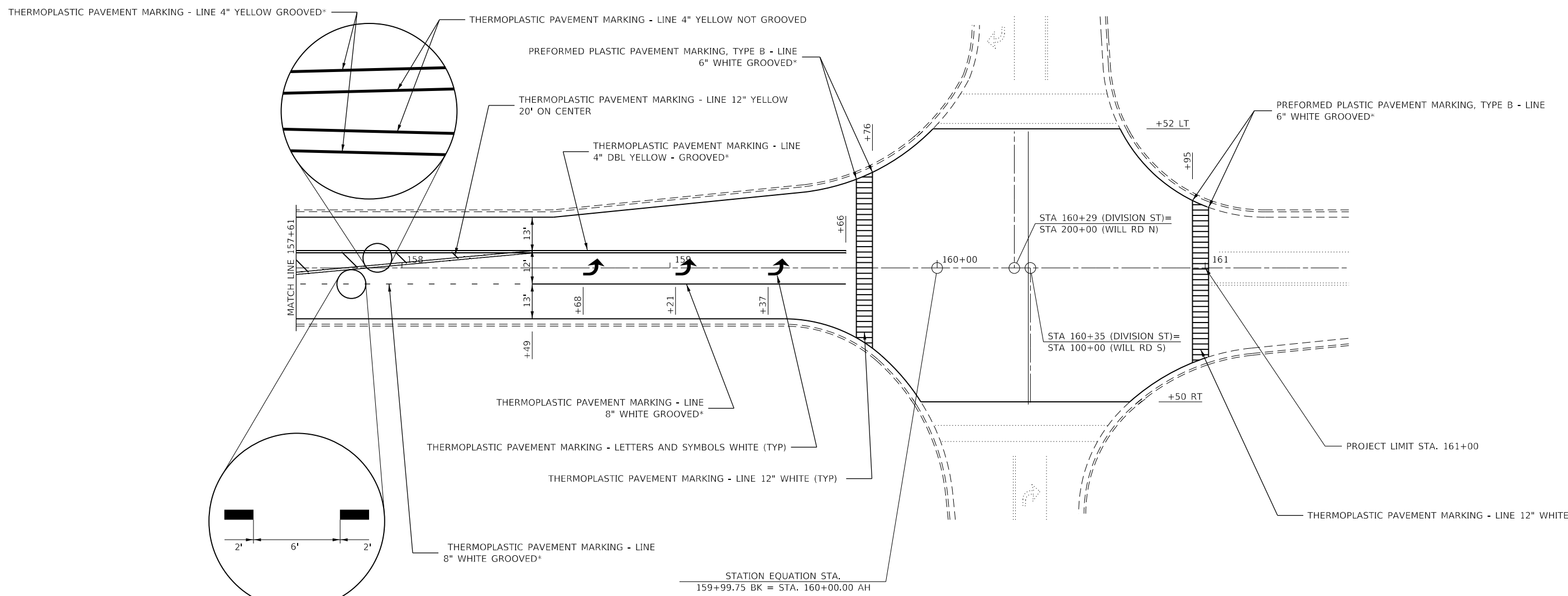
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	25
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				





\*PAVEMENT MARKINGS TO BE GROOVED  
 PREFORMED PLASTIC TYPE B MATERIAL  
 6" CROSSWALK LINES  
 24" STOP LINES  
 THERMOPLASTIC PAVEMENT MARKINGS  
 4" OUTSIDE LINES OF PAINTED MEDIAN  
 6" SKIP DASH  
 8" THERMOPLASTIC TURN LANES DASH & SOLID  
 RR CROSSING SYMBOLS & ASSOCIATED 24" BARS  
 PAVEMENT MARKINGS AT SIDEROADS  
 SHALL NOT BE GROOVED

MODEL: Default  
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USER NAME = ZAGARIK	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/15/2022	CHECKED -	REVISED -
	DATE -	REVISED -

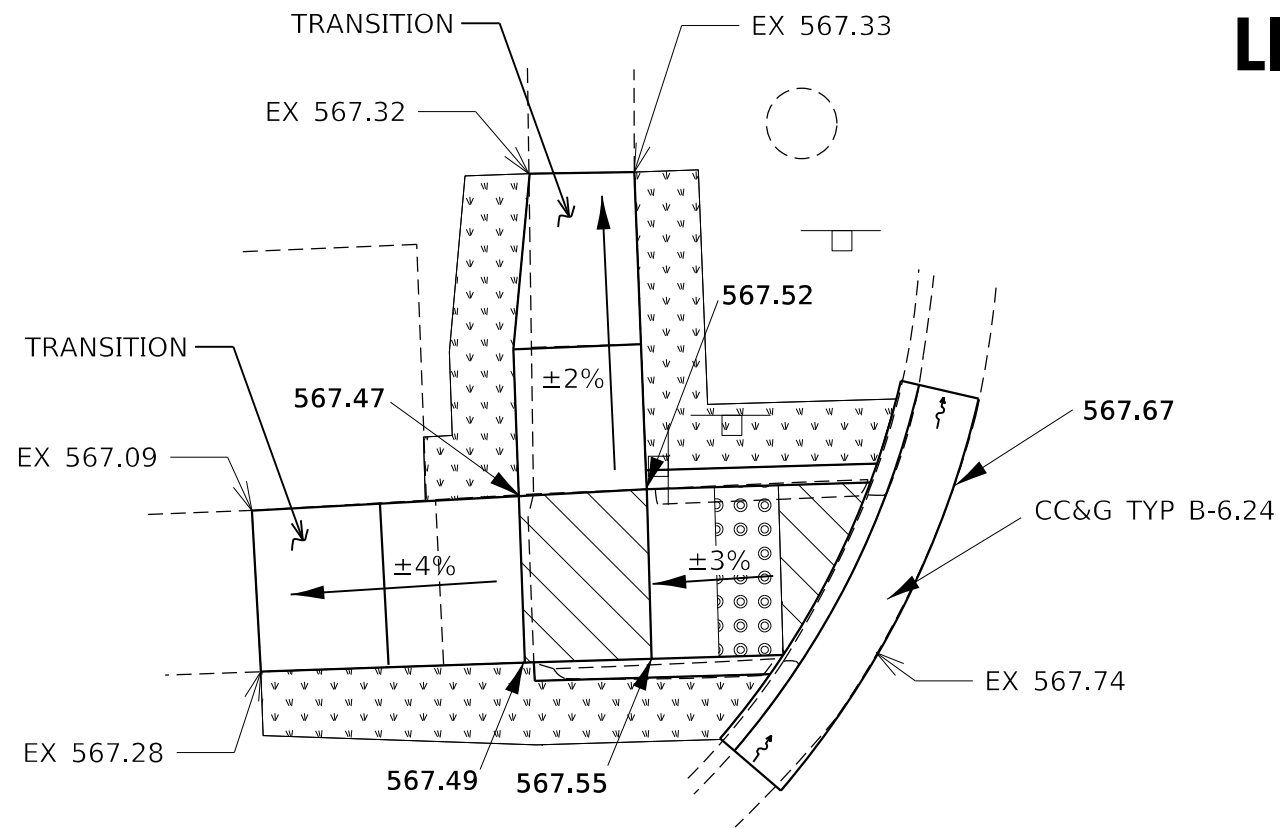
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**

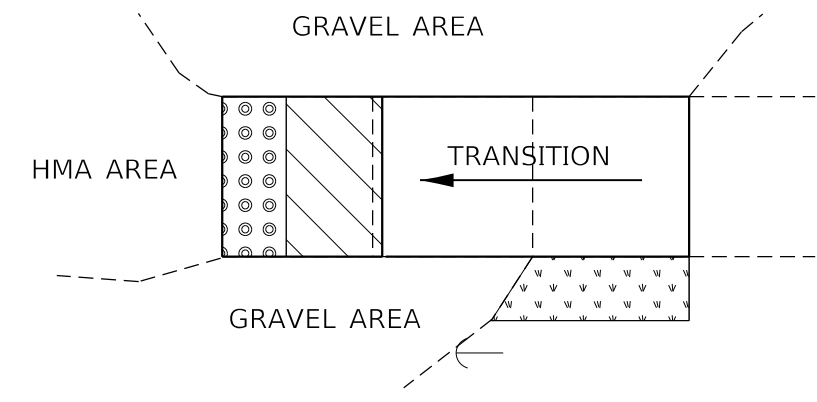
SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	27
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

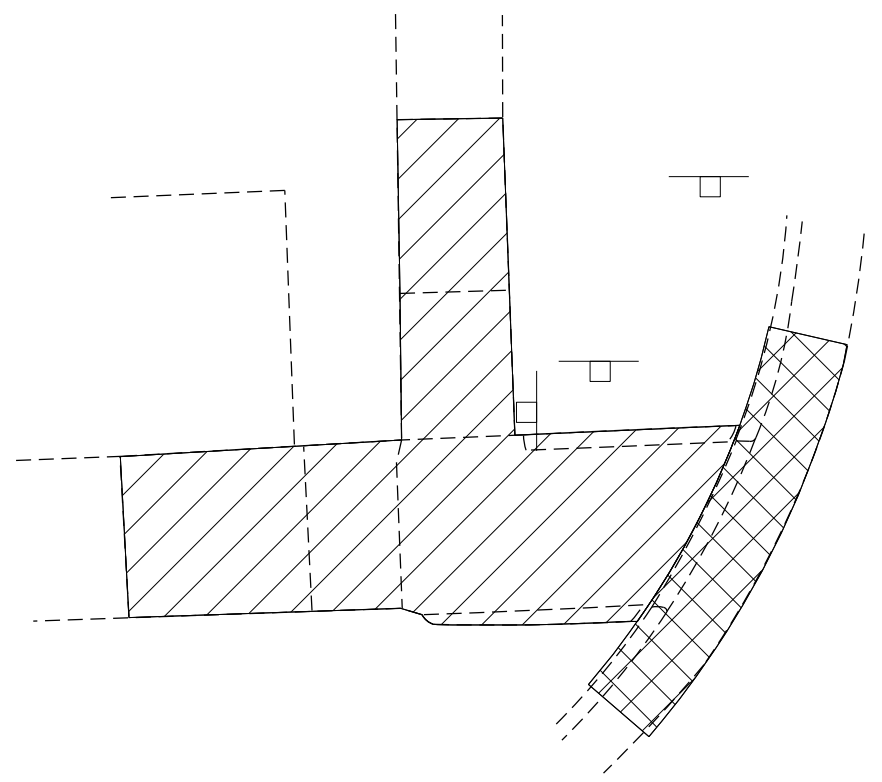
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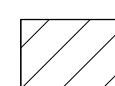


**NW QUAD**



**NE QUAD**



-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL

**ADA CONSTRUCTION NOTES:**

- 1) SEE HIGHWAY STANDARDS 424001 TO 424031 FOR MAX SLOPES AND ADDITIONAL REQUIREMENTS
- 2) SEE HIGHWAY STANDARD 606001 FOR CURB AND GUTTER REQUIREMENTS ADJACENT NEXT TO ADA RAMPS
- 3) ALL CROSS-SLOPES IN THE DIRECTION OF TRAVEL ARE AN ABSOLUTE MAXIMUM OF 2%. LAYOUT SHOULD BE AT 1.5% TO ALLOW FOR ERROR WHILE REMAINING WITHIN THE MAXIMUM SLOPE
- 3) SIDEWALK CURBS ARE SHOWN ONLY AS REQUIRED BY FIELD CONDITIONS AND MAY BE OMITTED IF FOUND TO BE UNCESSARY.



MODEL: Default  
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PLOT SCALE = 6.0000' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

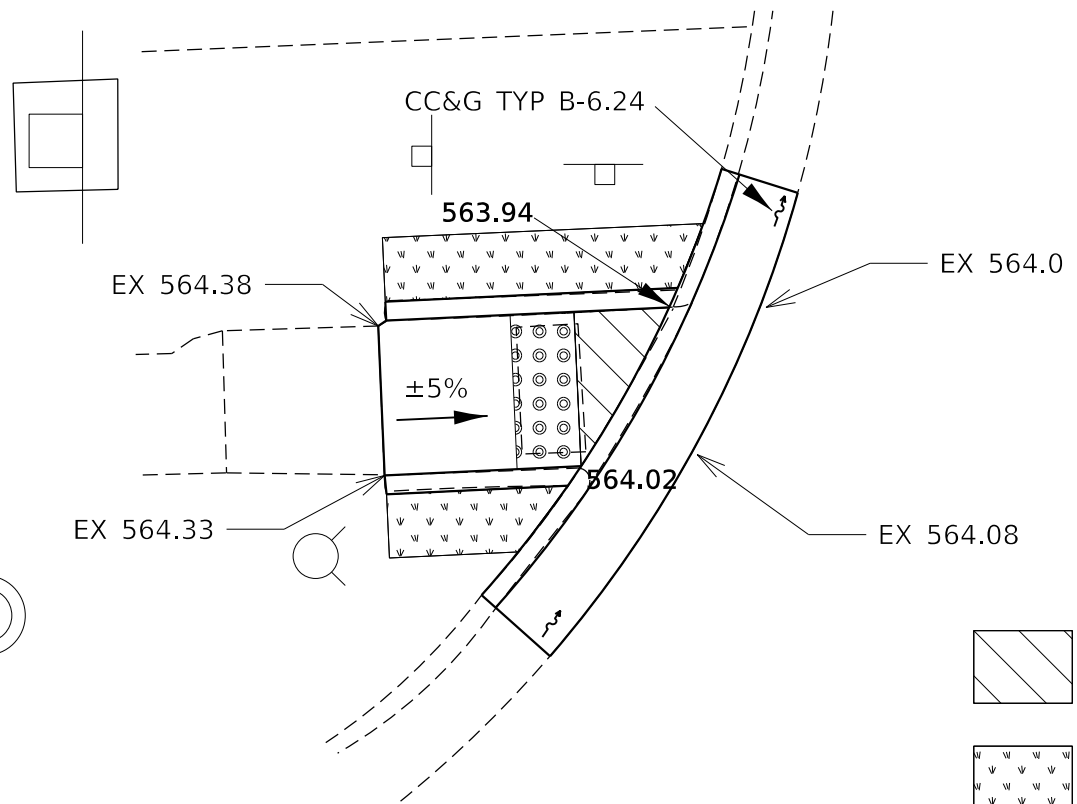
**ADA DETAILS**

SCALE: SHEET 1 OF 20 SHEETS STA. TO STA.

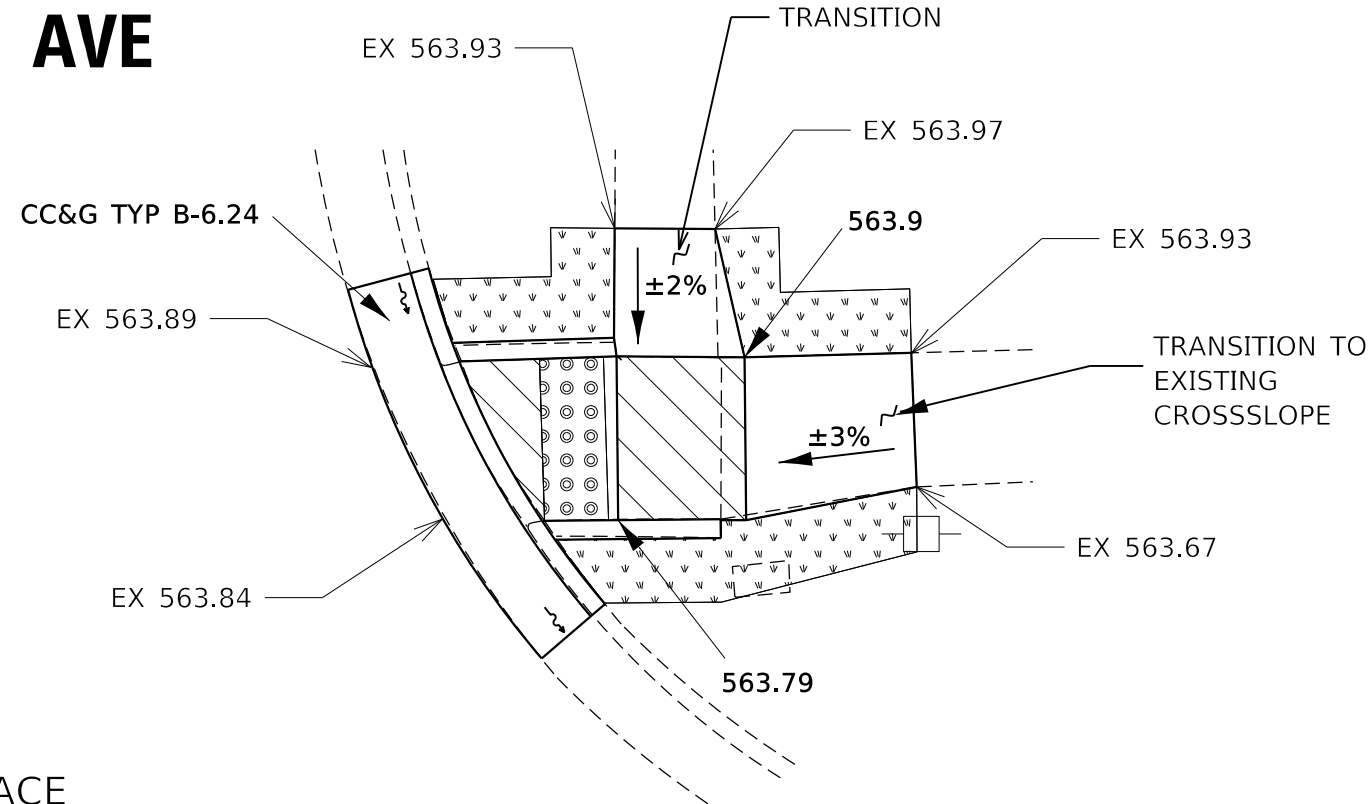
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	28
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				



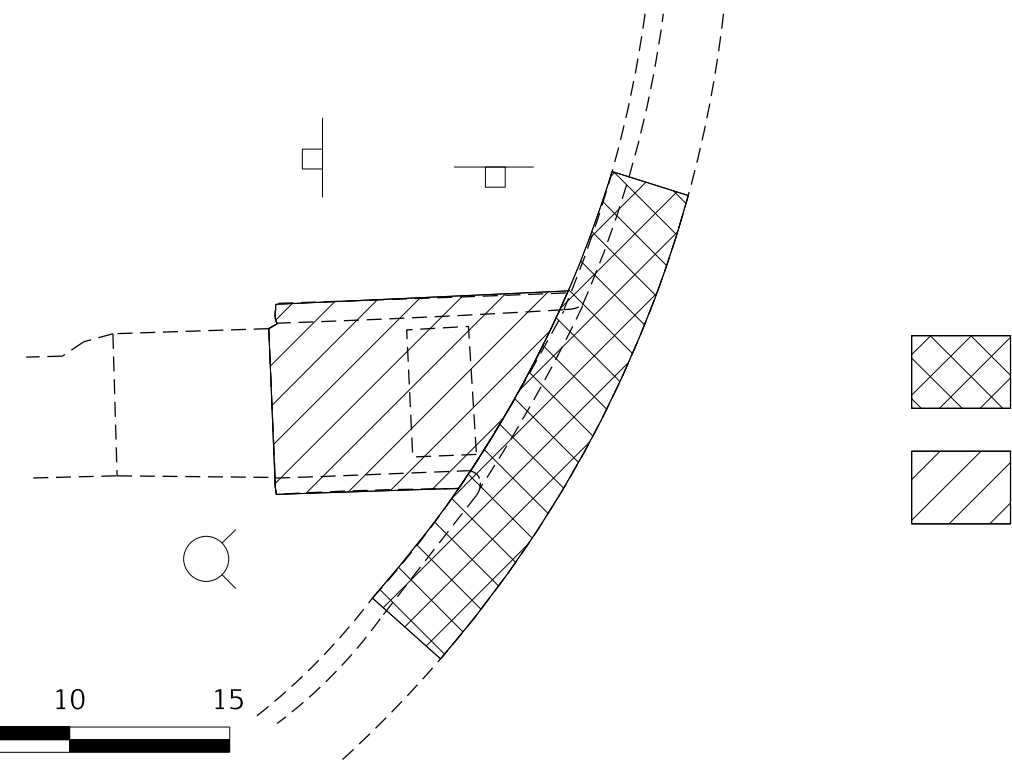
# N FIRST AVE

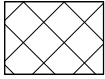
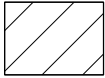


## NW QUAD



## NE QUAD



-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
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	DATE -	REVISED -

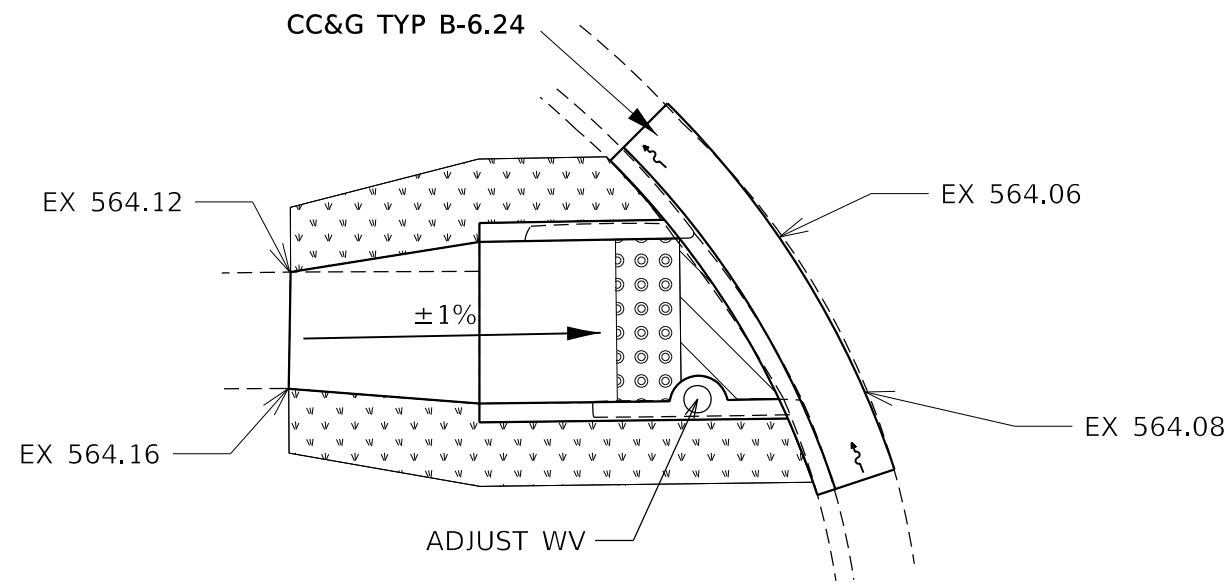
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA DETAILS</b>			
SCALE:	SHEET 2	OF 20 SHEETS	STA. TO STA.

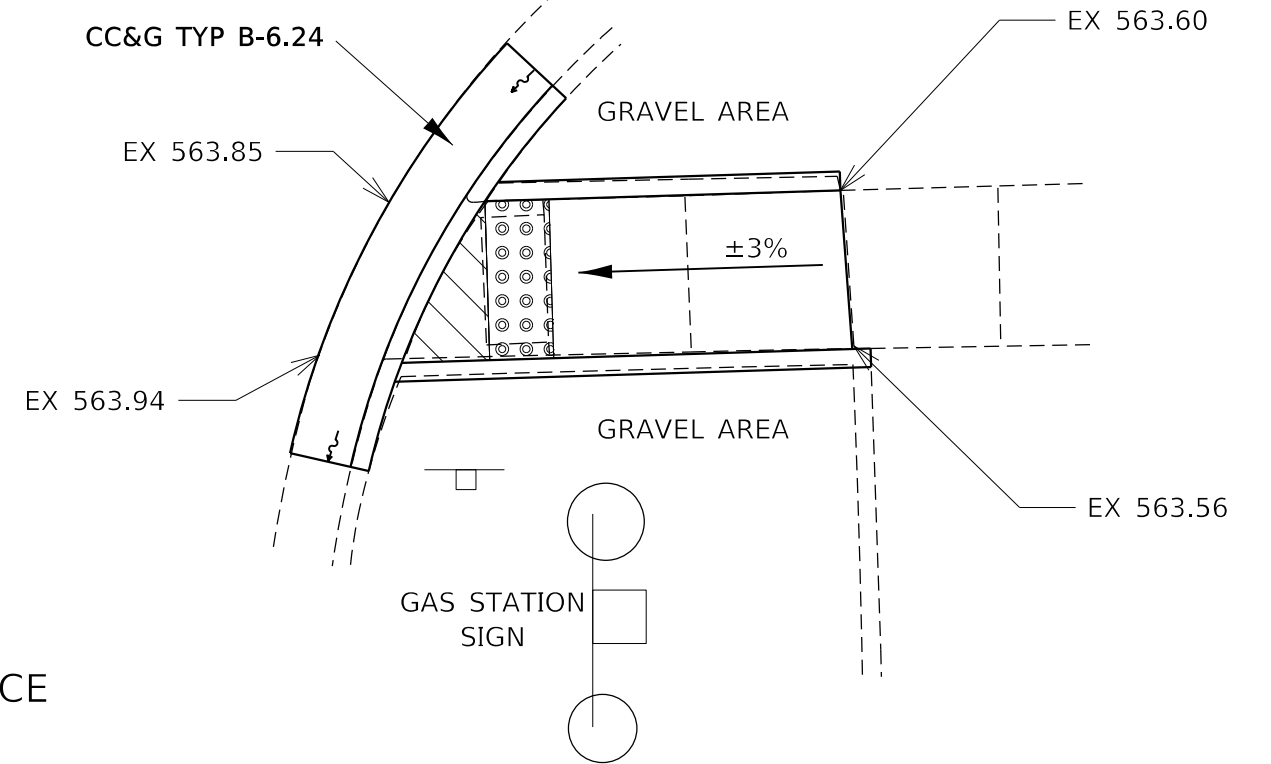
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	29
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				



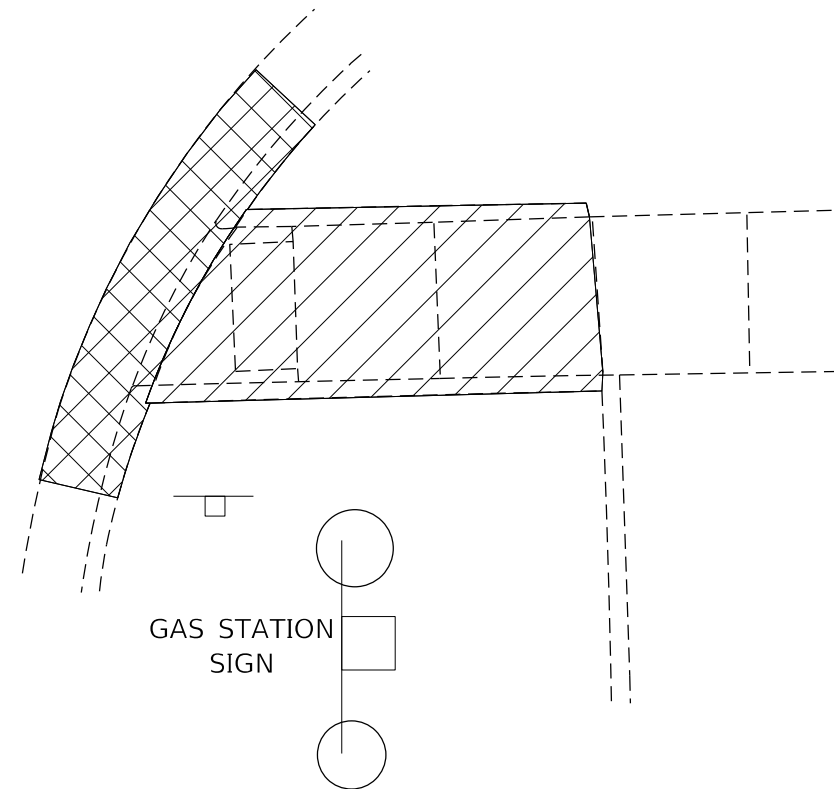
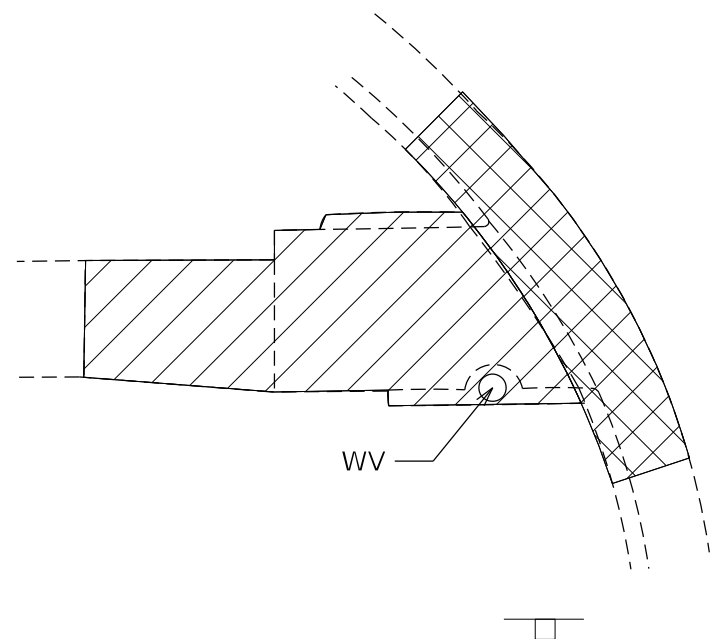
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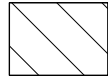

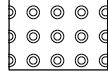
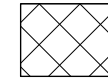
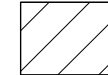


**SW QUAD**



**SE QUAD**



-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

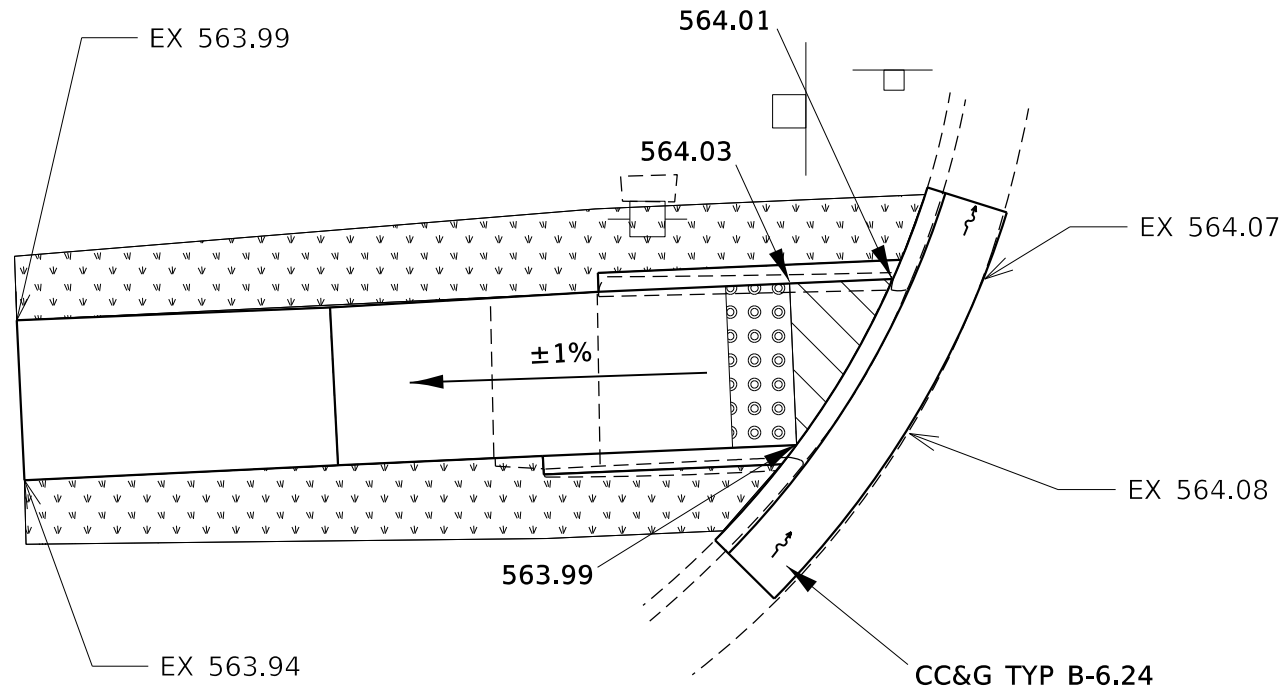
**ADA DETAILS**

SCALE: SHEET 3 OF 20 SHEETS STA. TO STA.

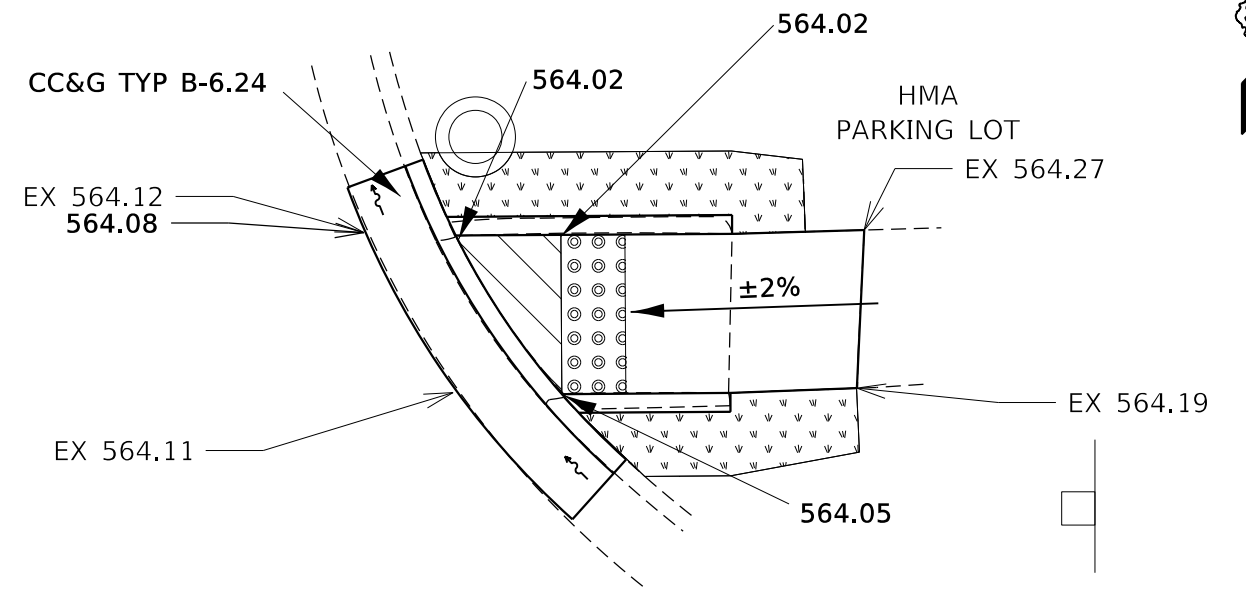
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301	113 R5-4	GRUNDY	58	30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	





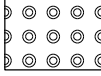


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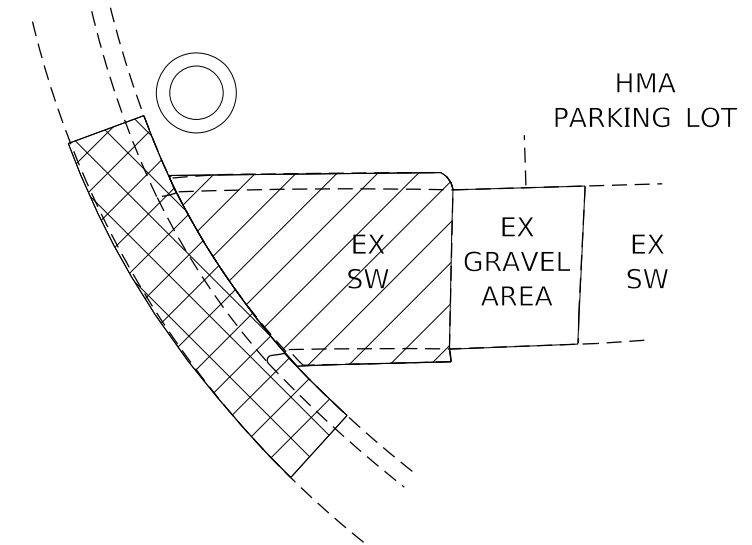
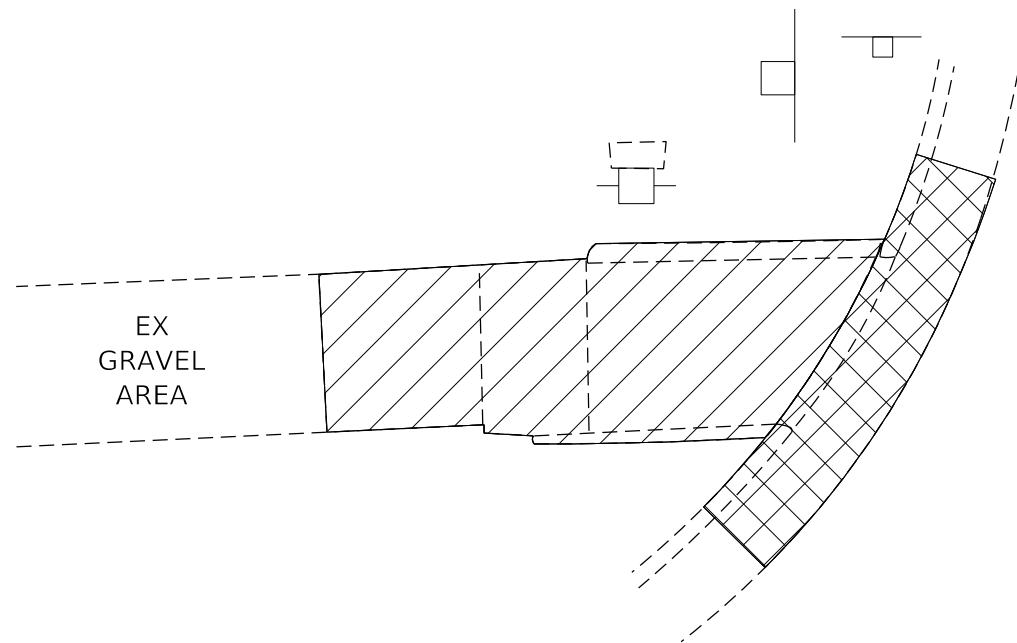


**NW QUAD**



**NE QUAD**

-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

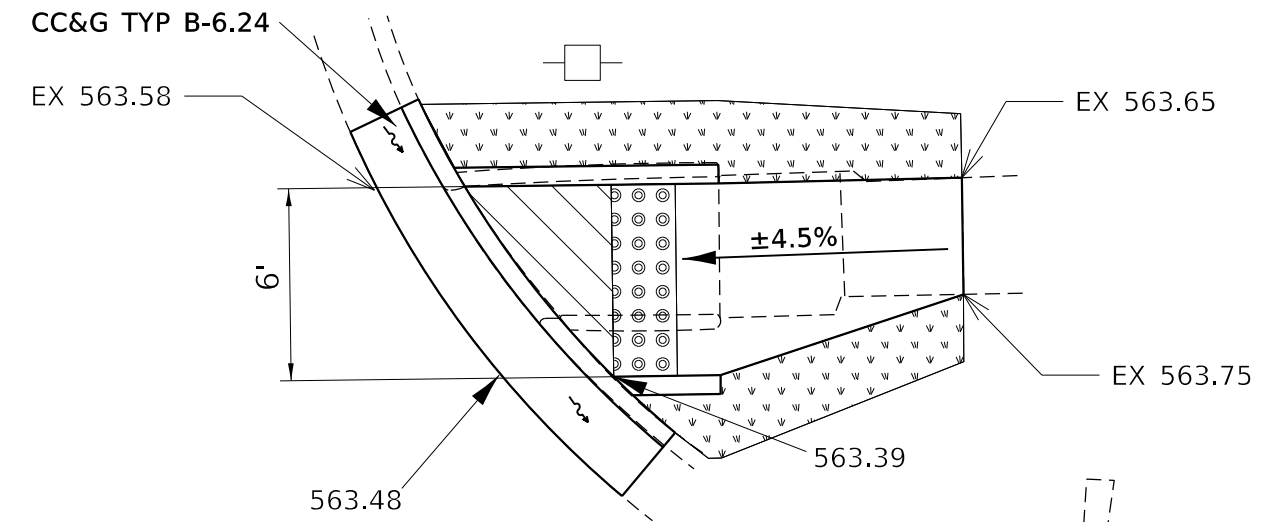
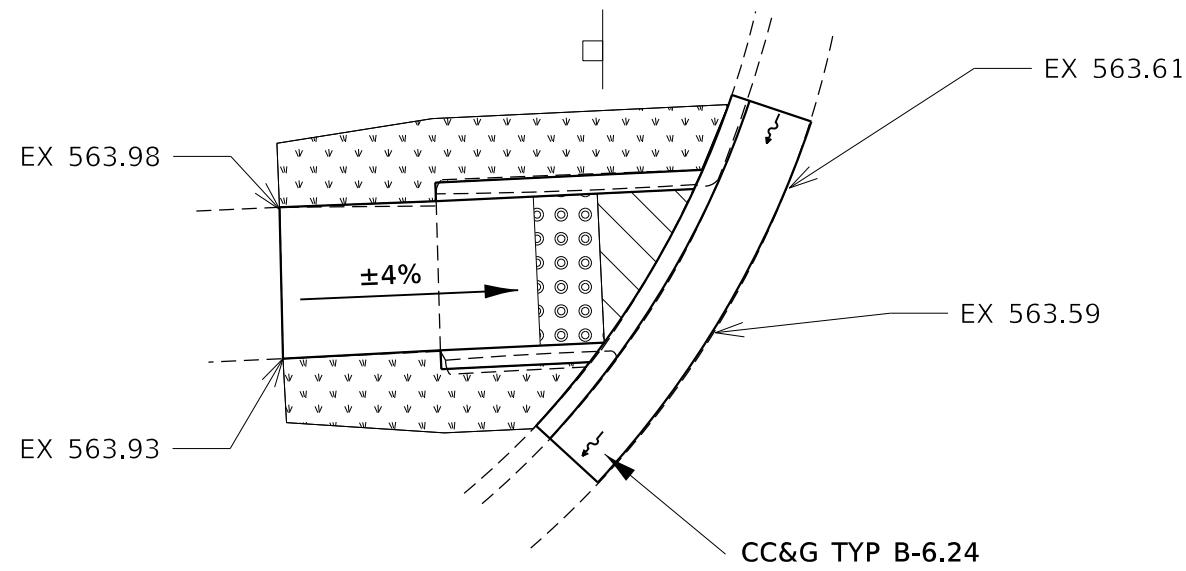
**ADA DETAILS**

SCALE: SHEET 5 OF 20 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	32
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

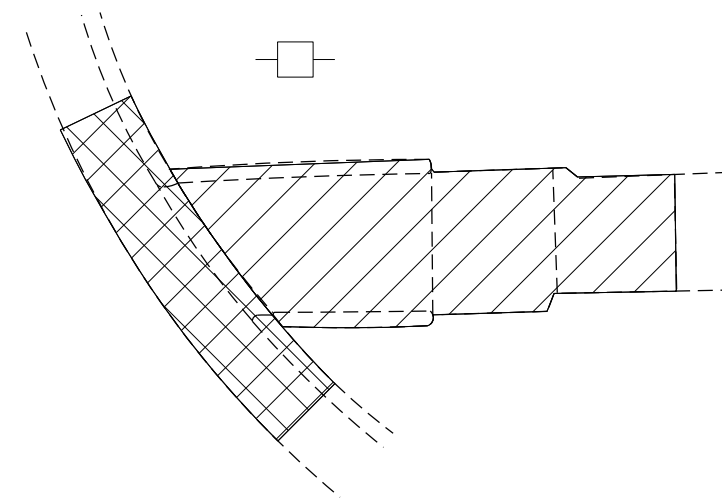
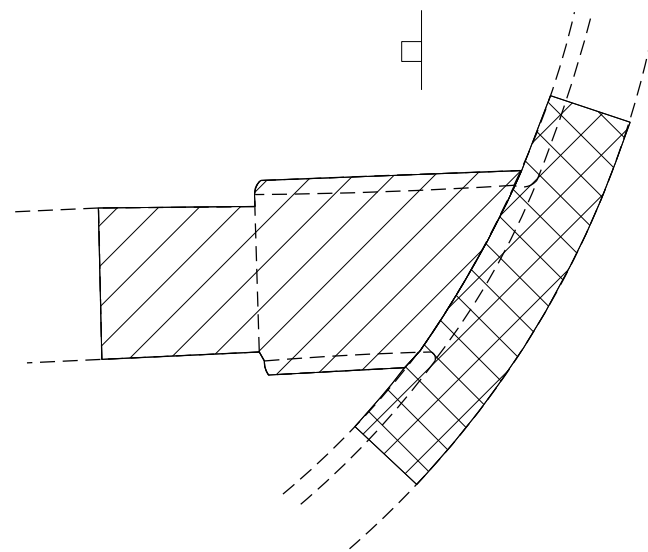




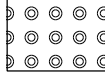

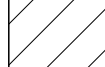
# N FIFTH AVE



## NW QUAD

## NE QUAD



-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**ADA DETAILS**

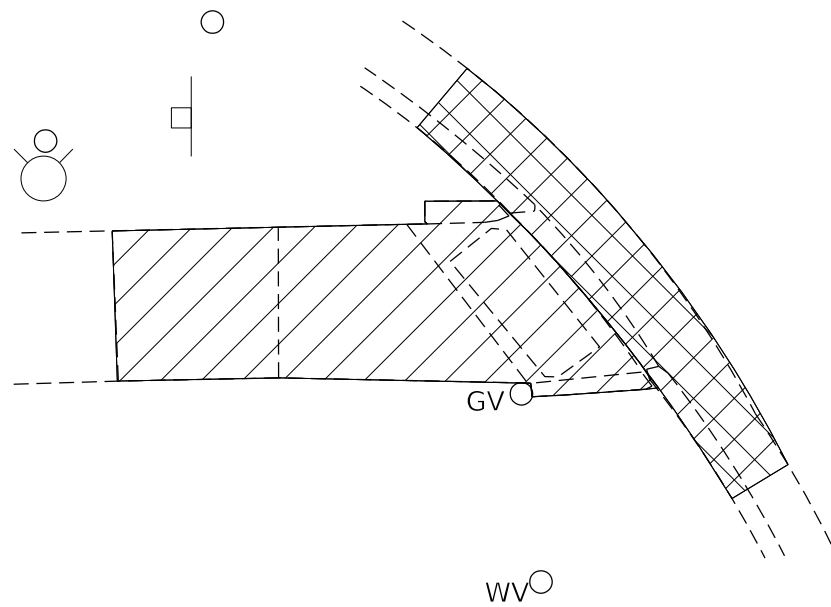
SCALE: SHEET 6 OF 20 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	

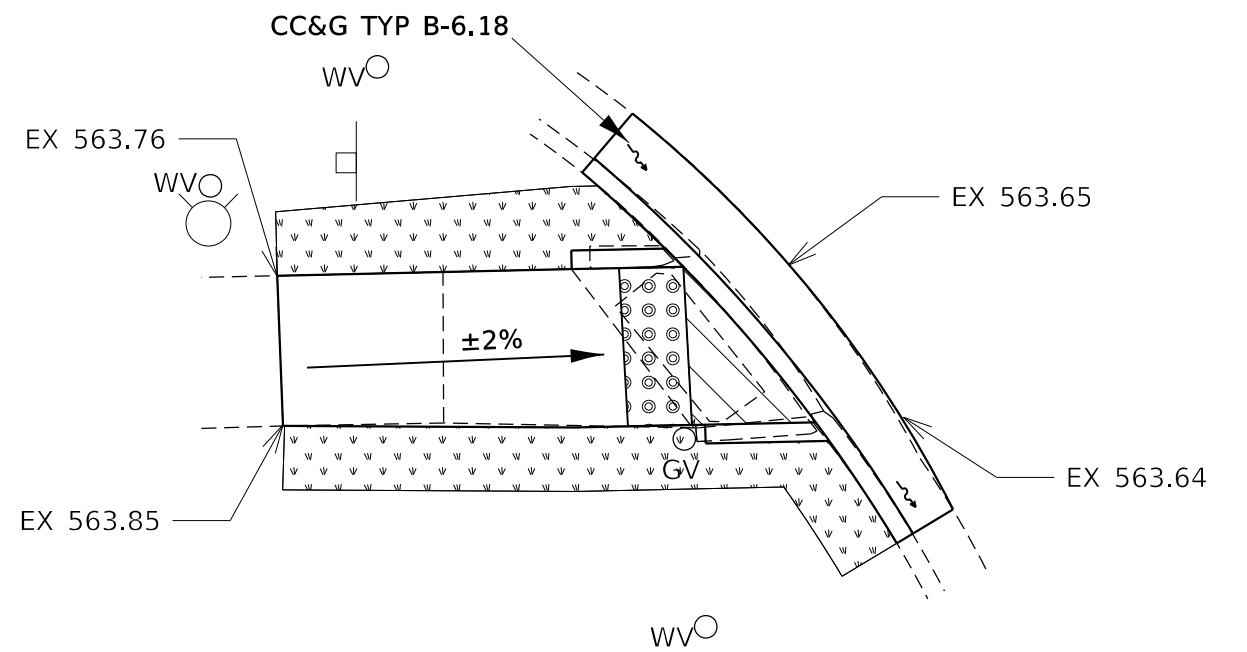
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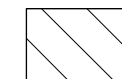

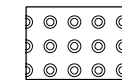


-  CCG REMOVAL
-  SIDEWALK REMOVAL



**SW QUAD**



-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING



MODEL: Default  
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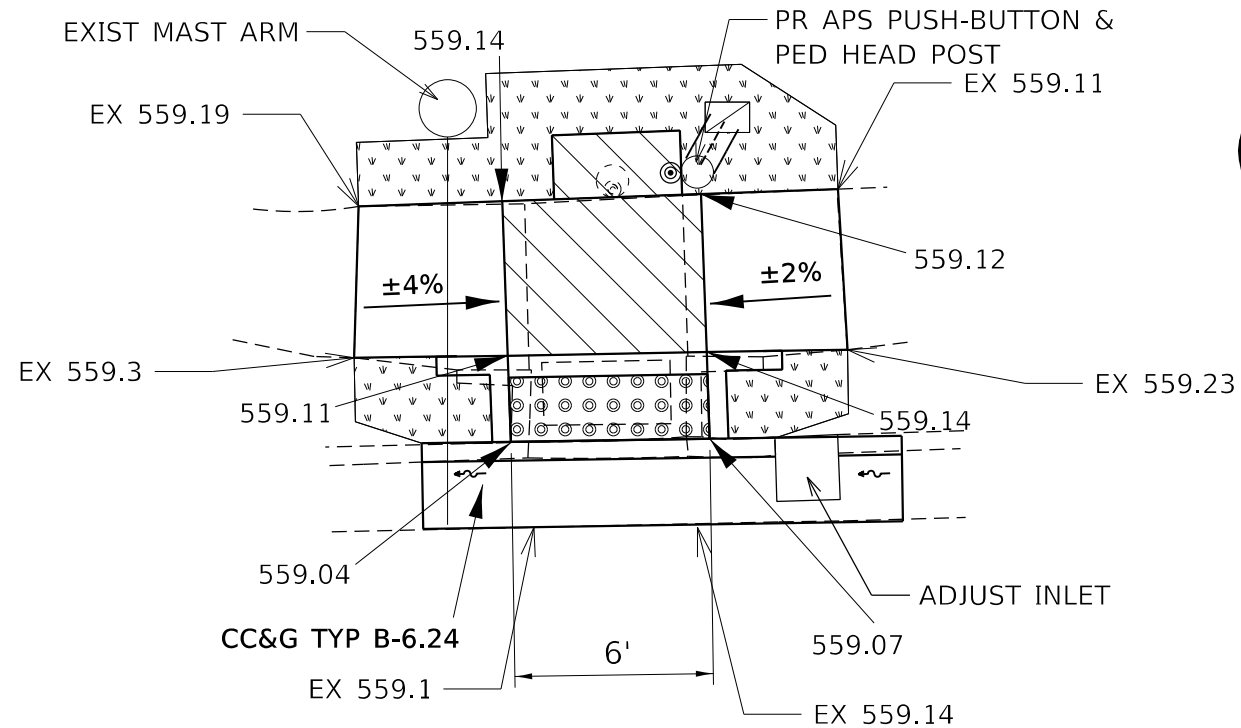
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

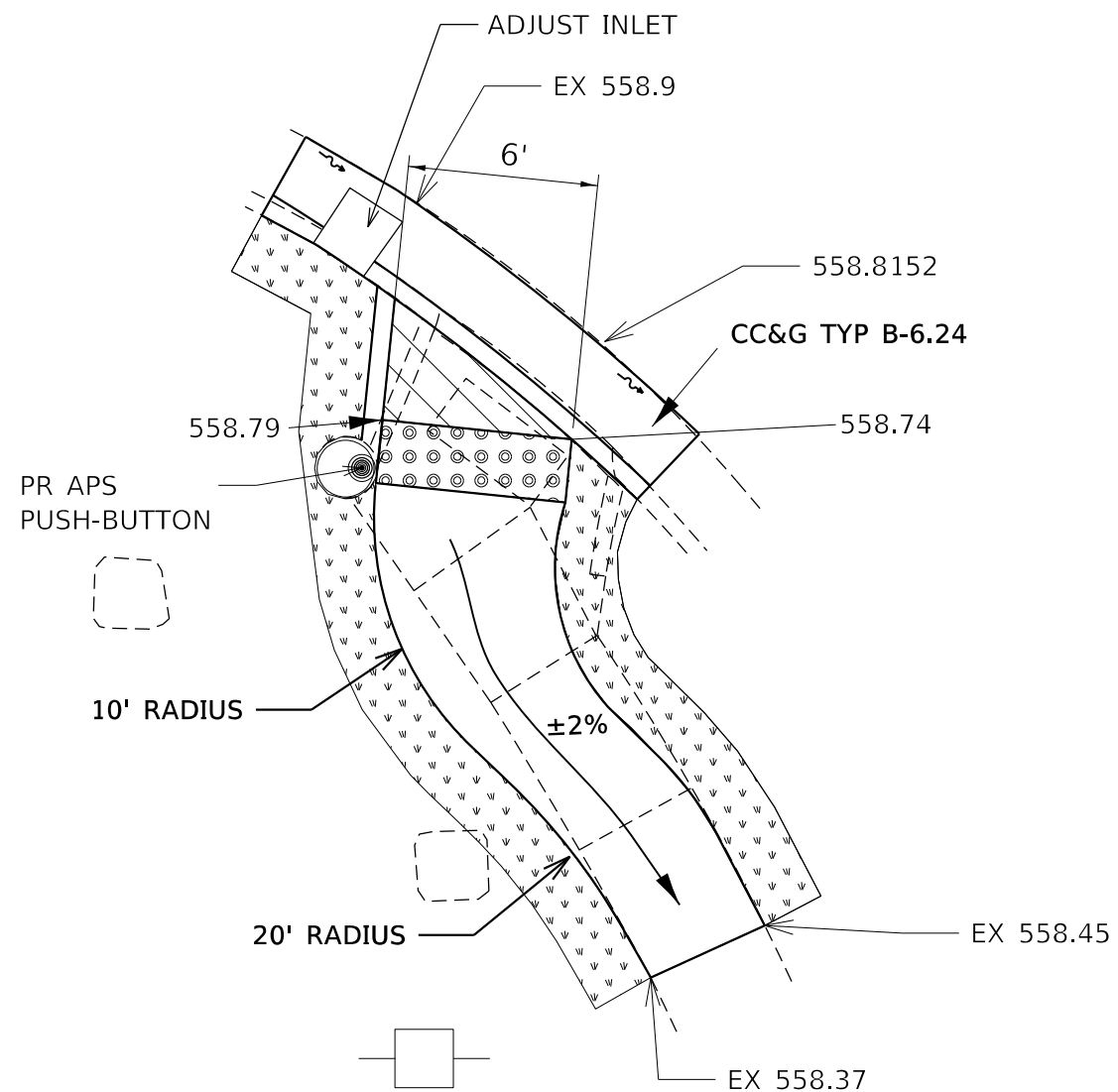
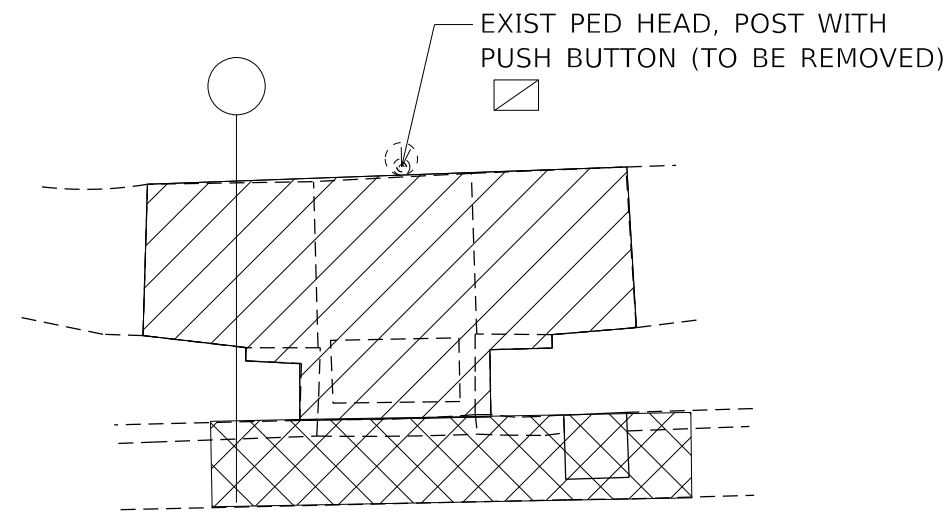
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F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	113 RS-4	GRUNDY	58	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	

# S BERTA RD (CO RD 8000E)



## N QUAD

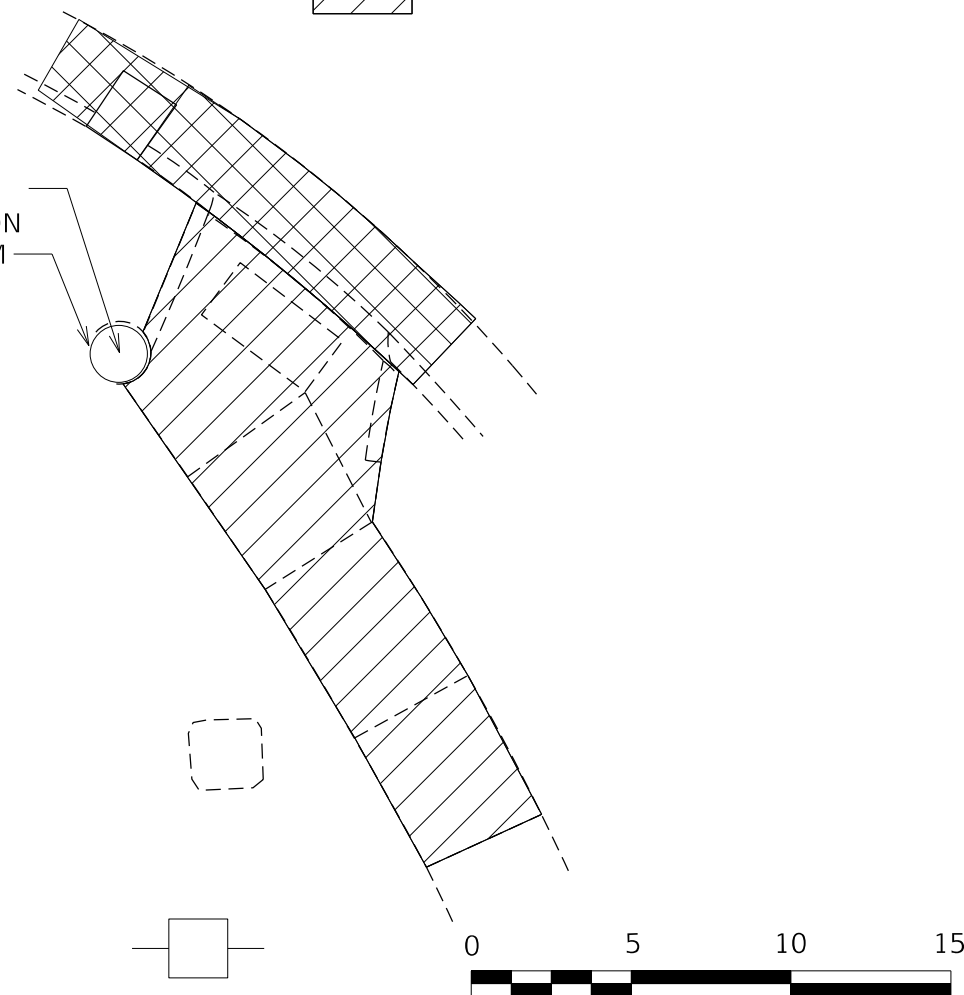


## S QUAD

- TURNING SPACE
- SODDING
- DETECTABLE WARNING
- UNDEGROUND CONDUIT 1.5"

- CCG REMOVAL
- SIDEWALK REMOVAL

EXIST PED  
PUSH BUTTON  
EXIST MAST ARM



SCALE IN FEET

MODEL: Default  
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	DATE -	REVISIED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

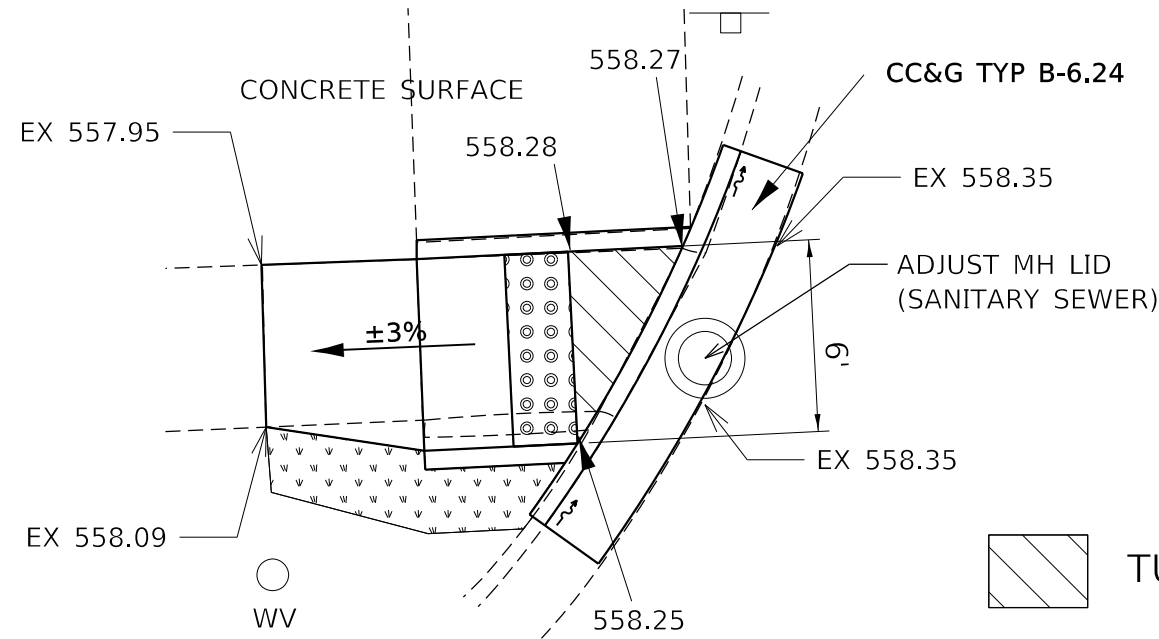
S BERTA RD ADA DETAILS

SCALE: SHEET 8 OF 20 SHEETS STA. TO STA.

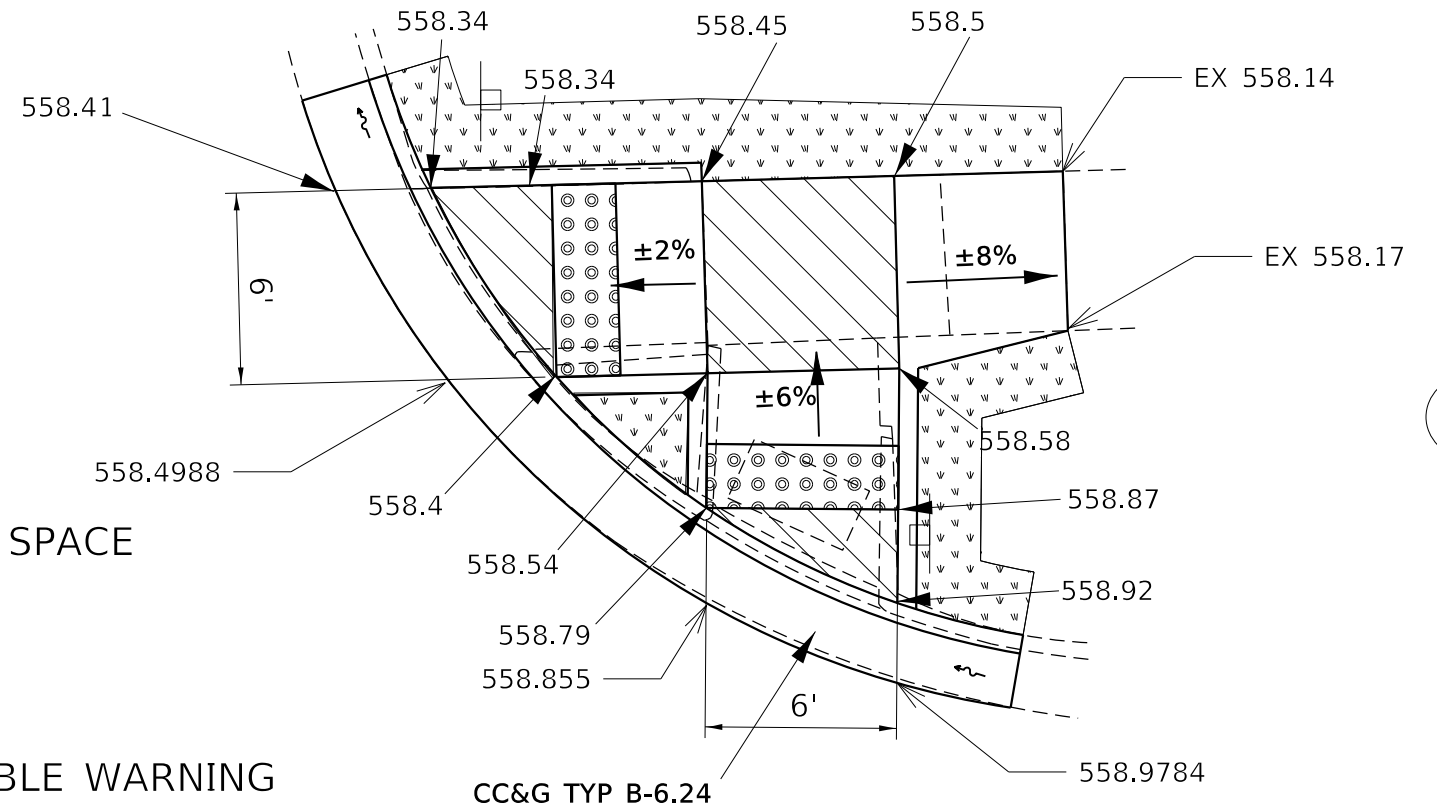
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	35
			CONTRACT NO. 66E48	
			ILLINOIS FED. AID PROJECT	



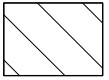
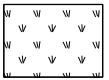
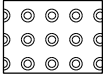
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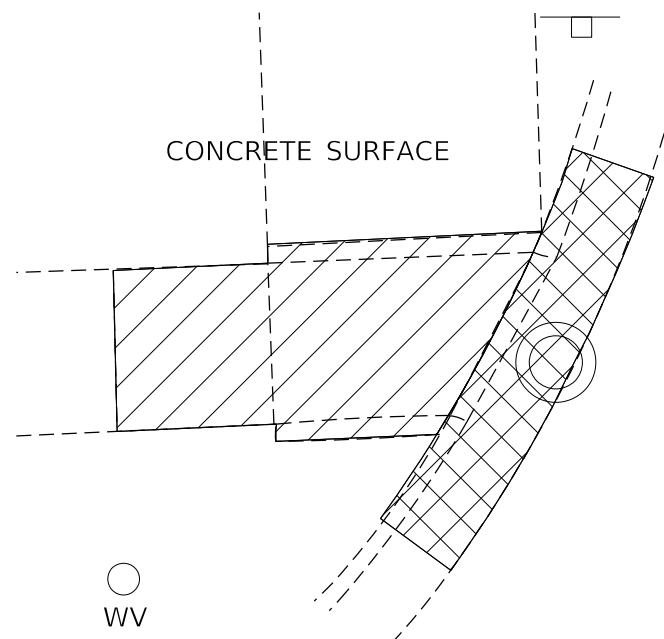


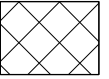

**NW QUAD**



**NE QUAD**

-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING



-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**


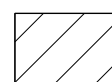
**ADA DETAILS**

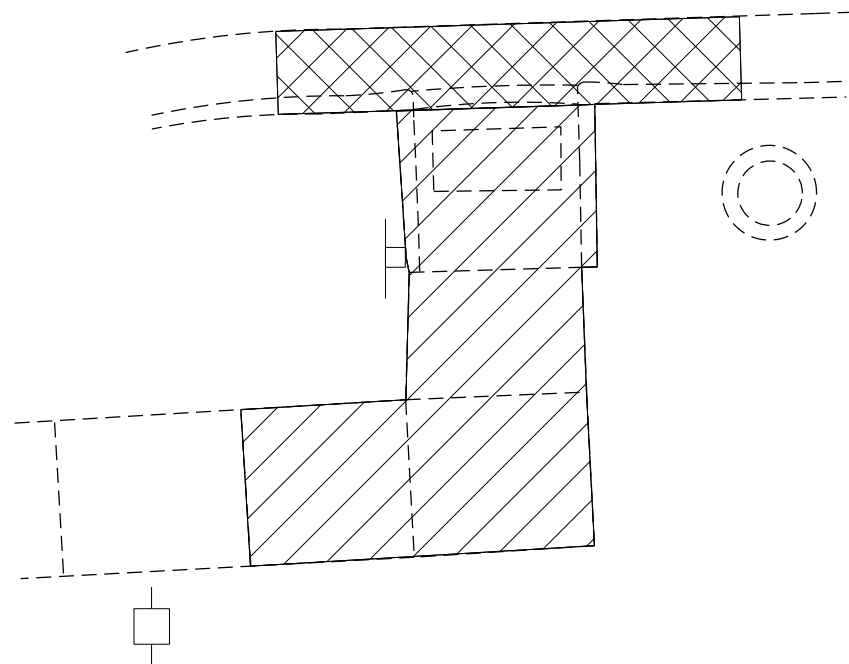
SCALE: SHEET 10 OF 20 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	37
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

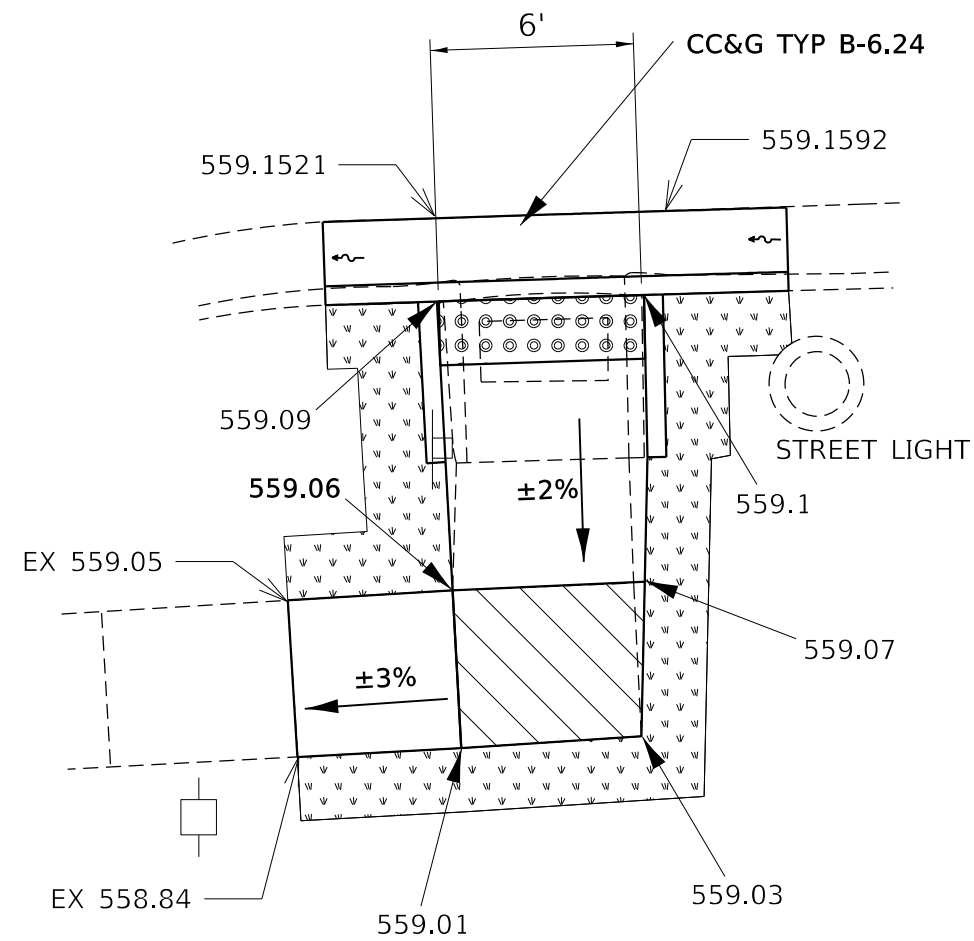
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


-  CCG REMOVAL
-  SIDEWALK REMOVAL



**SE QUAD**



-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING



MODEL: Default  
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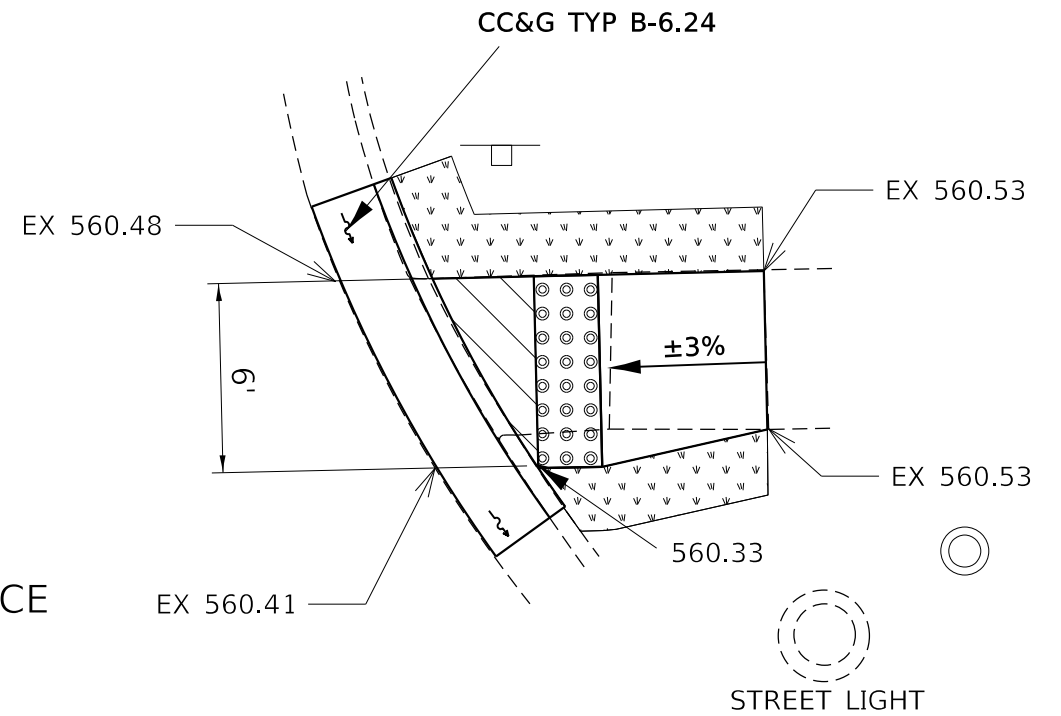
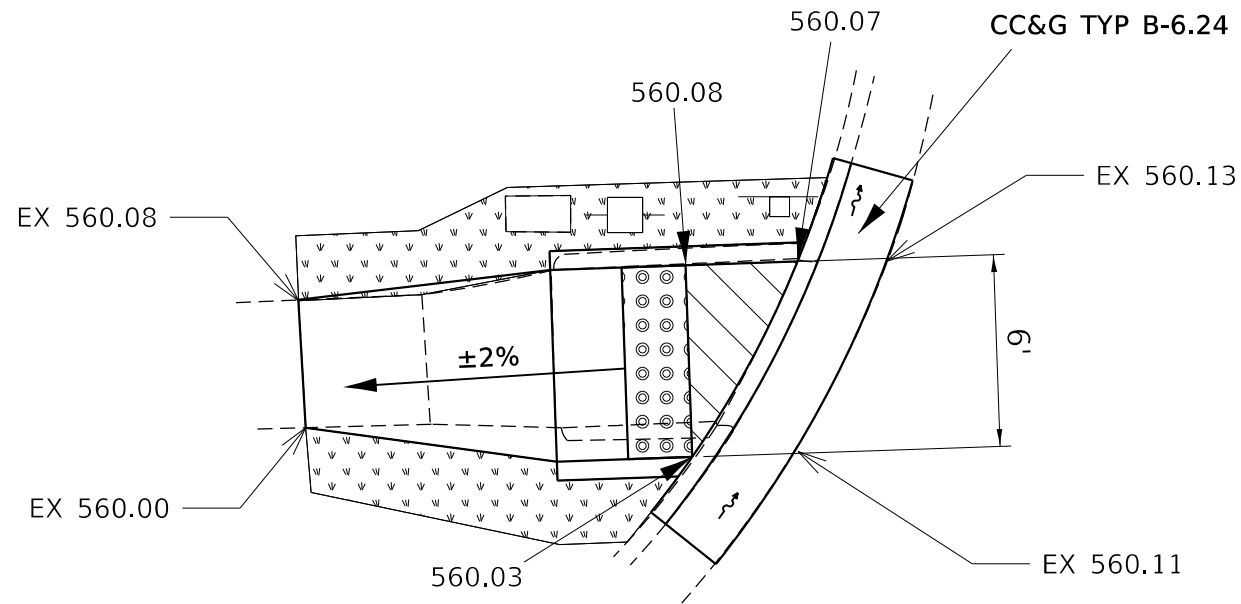
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

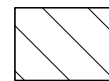
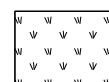
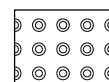
**ADA DETAILS**

SCALE: SHEET 11 OF 20 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	

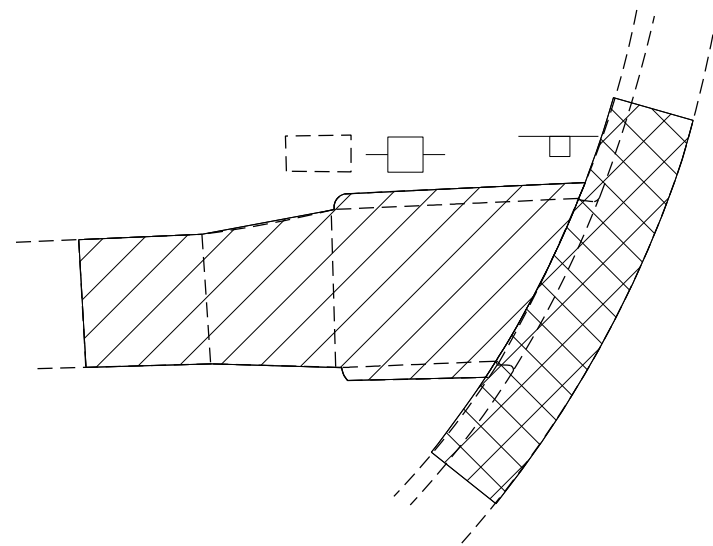
# TASH ST

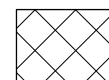
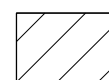


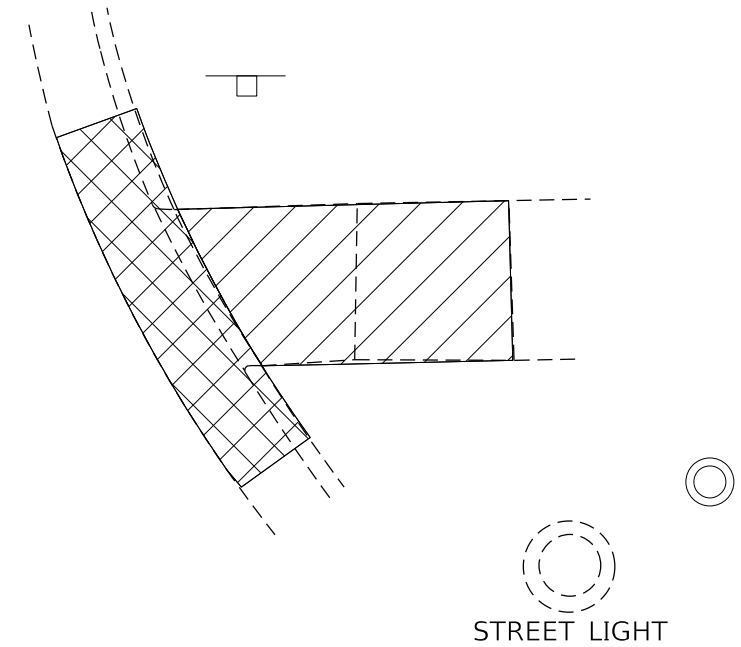
-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING

**NW QUAD**

**NE QUAD**



-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
 FILE: M:\MapE\_Plan\113-R5-4\113-R5-4-ADA-Set\113-R5-4-ADA-Set.dwg

USER NAME = ZAGARIK	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 6.0000' / in.	CHECKED -	REVISOR -
PLOT DATE = 3/15/2022	DATE -	REVISOR -

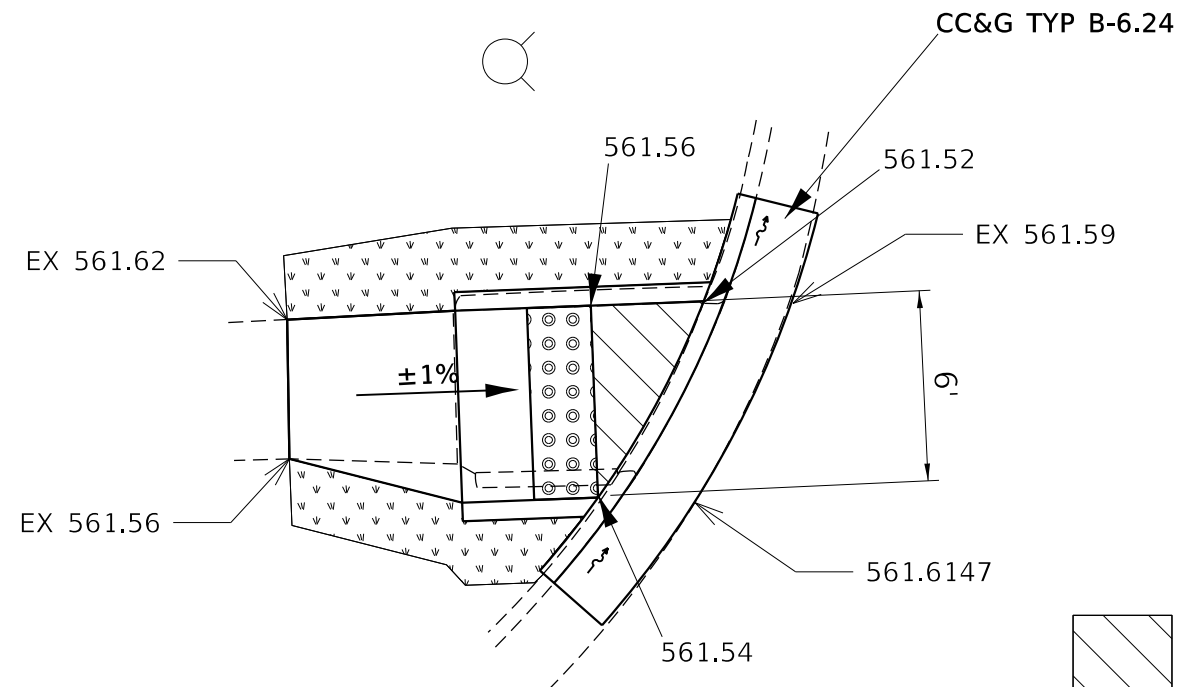
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

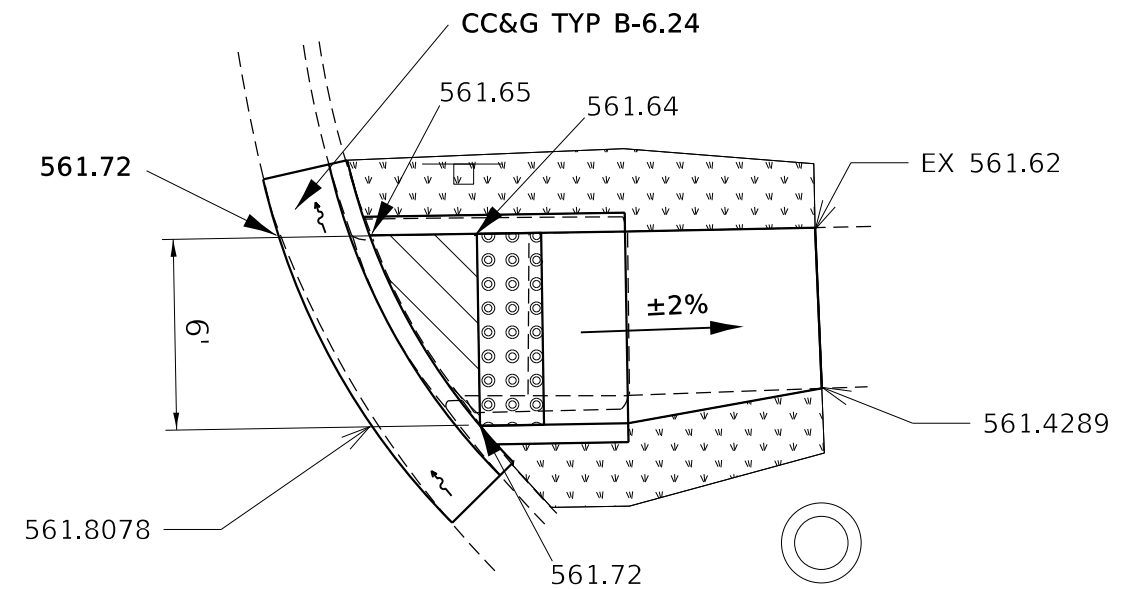
SCALE: SHEET 12 OF 20 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	39
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	


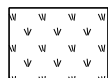
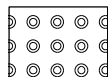

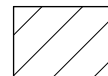
# N. DEWEY ST

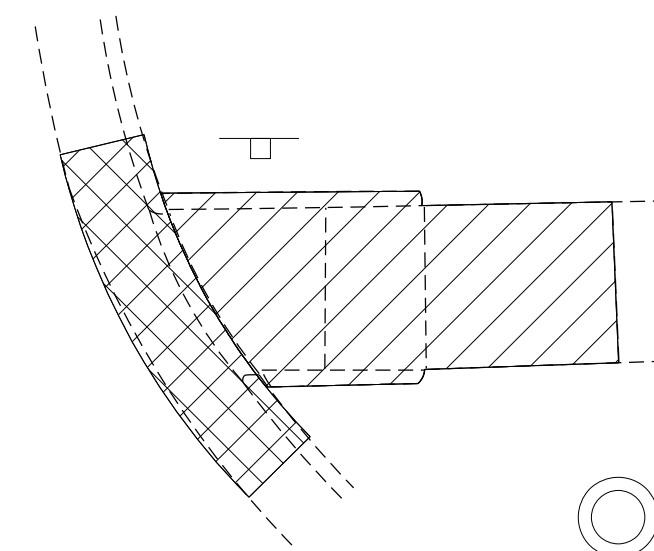
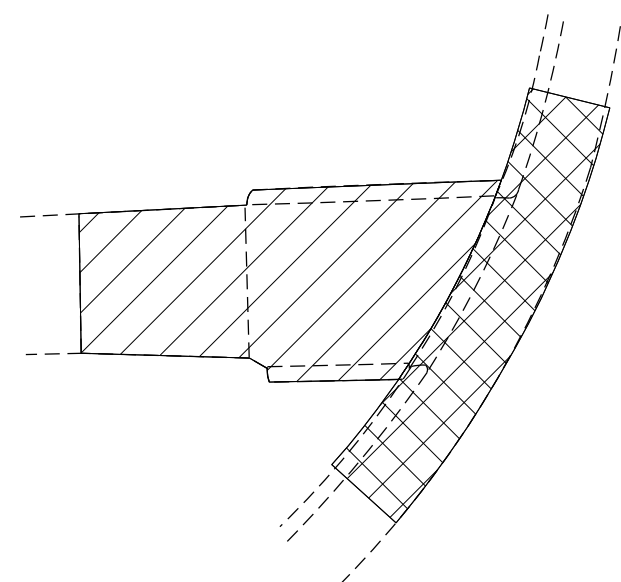


**NW QUAD**



**NE QUAD**

-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
 FILE: M:\M&E\_Plan\113-RS-4\113-RS-4-ADA-Details.dgn  
 PROJECT: D:\Projects\113-RS-4\113-RS-4-ADA-Details.dgn  
 USER: zagarij

USER NAME = ZAGARIJ	DESIGNED -	REVISED -
PLOT SCALE = 6.0000' / in.	DRAWN -	REVISIED -
PLOT DATE = 3/15/2022	CHECKED -	REVISIED -
	DATE -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

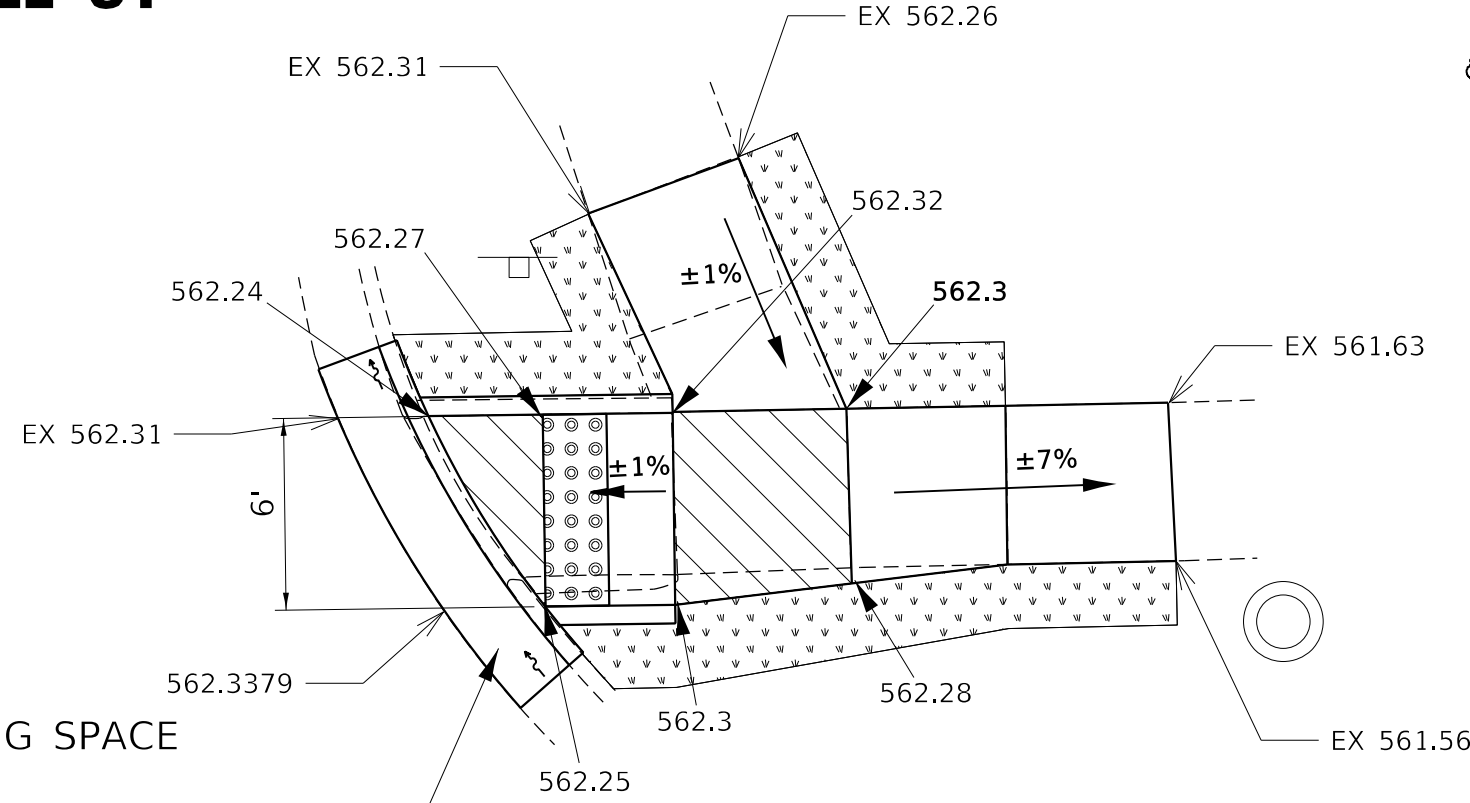
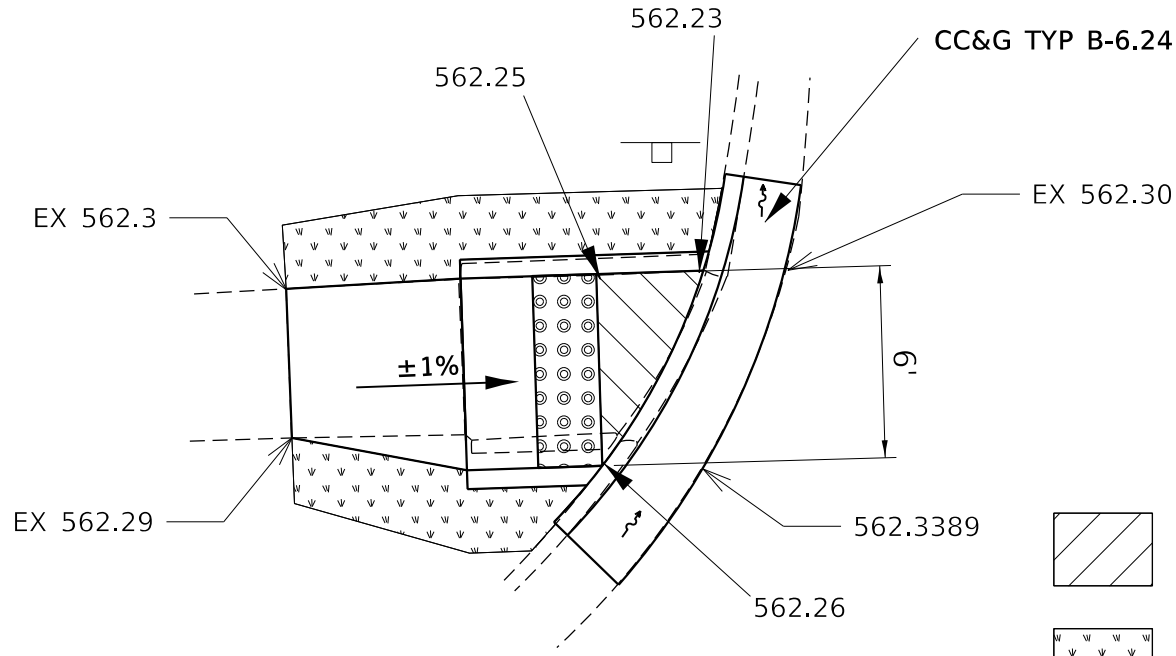
**ADA DETAILS**

SCALE: SHEET 13 OF 20 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	40
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	








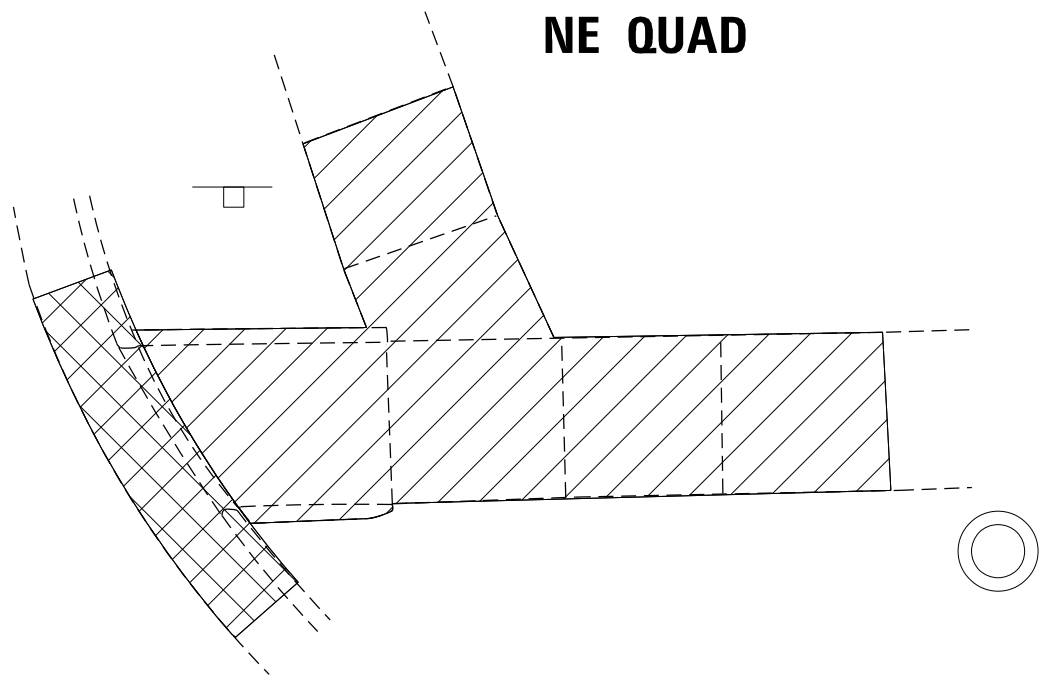
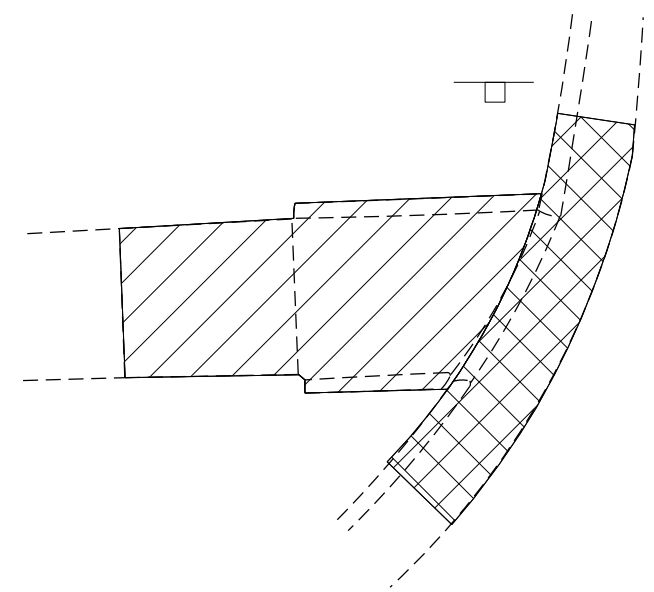
# WALL ST



## NW QUAD

## NE QUAD

-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
 FILE: \\mdepc-prod\share-cw\benitez\com\PHWDOT\Documents\DOT Offices\Bentz\3\Projects\366E48\CADD\Drawn\CAD\Drawings\366E48-ADA-set\14.dgn

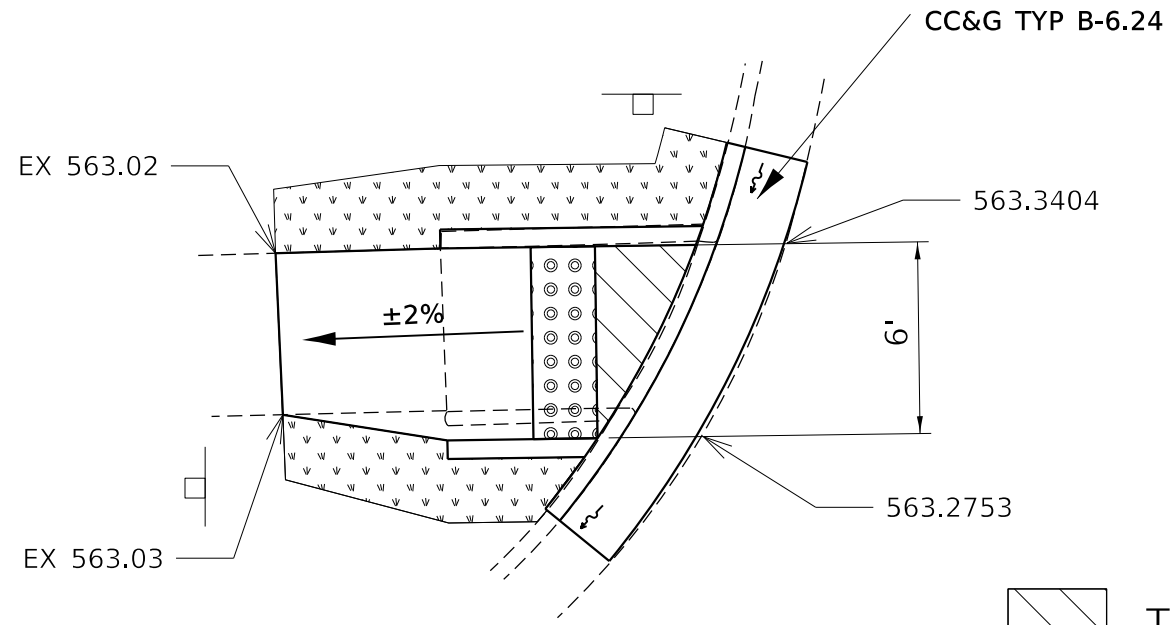
USER NAME = ZAGARIK	DESIGNED -	REVISED -
PLOT SCALE = 6.0000' / in.	DRAWN -	REVISIED -
PLOT DATE = 3/15/2022	CHECKED -	REVISIED -
	DATE -	REVISIED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

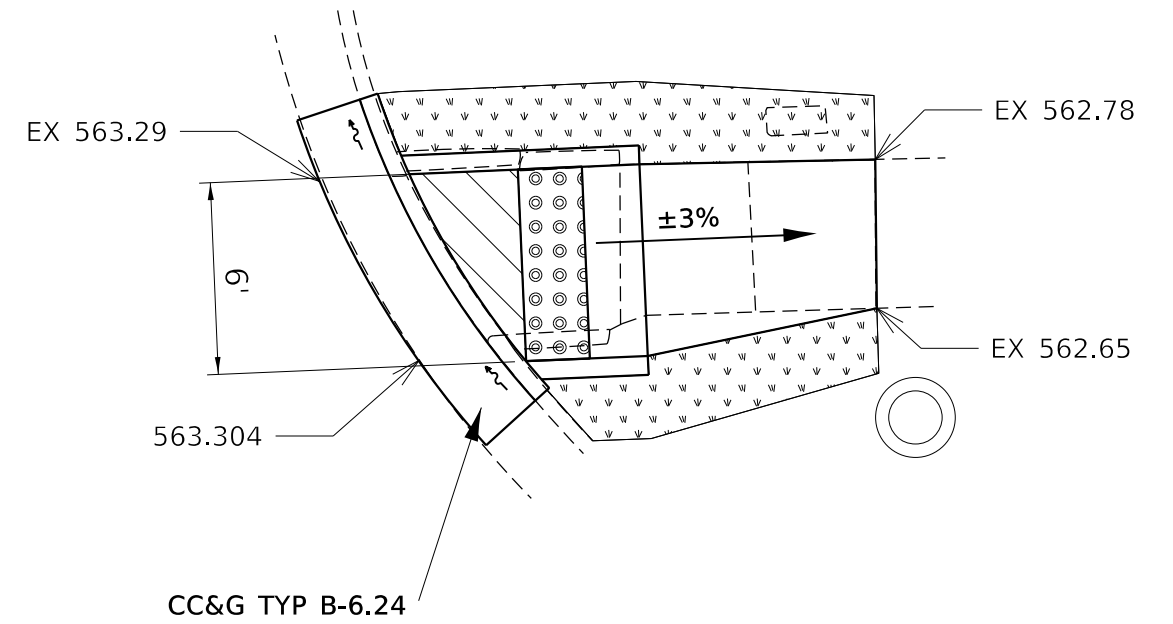
ADA DETAILS			
SCALE:	SHEET 14	OF 20 SHEETS	STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	

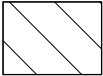
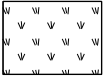
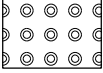
# REDMOND ST

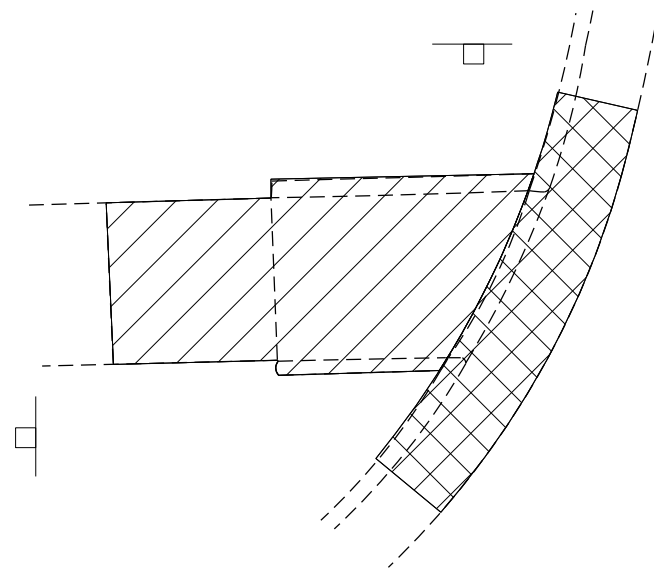



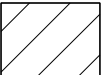
**NW QUAD**



**NE QUAD**

-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING



-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
 FILE: M:\AEC\p\11482-civ-behufey.com\PHWDOT\Documents\DOT Offices\Bharat\_3\Projects\0366E48\CAD\Drawings\0366E48-ADA-det-15.dgn

USER NAME = ZAGARIK	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 6.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

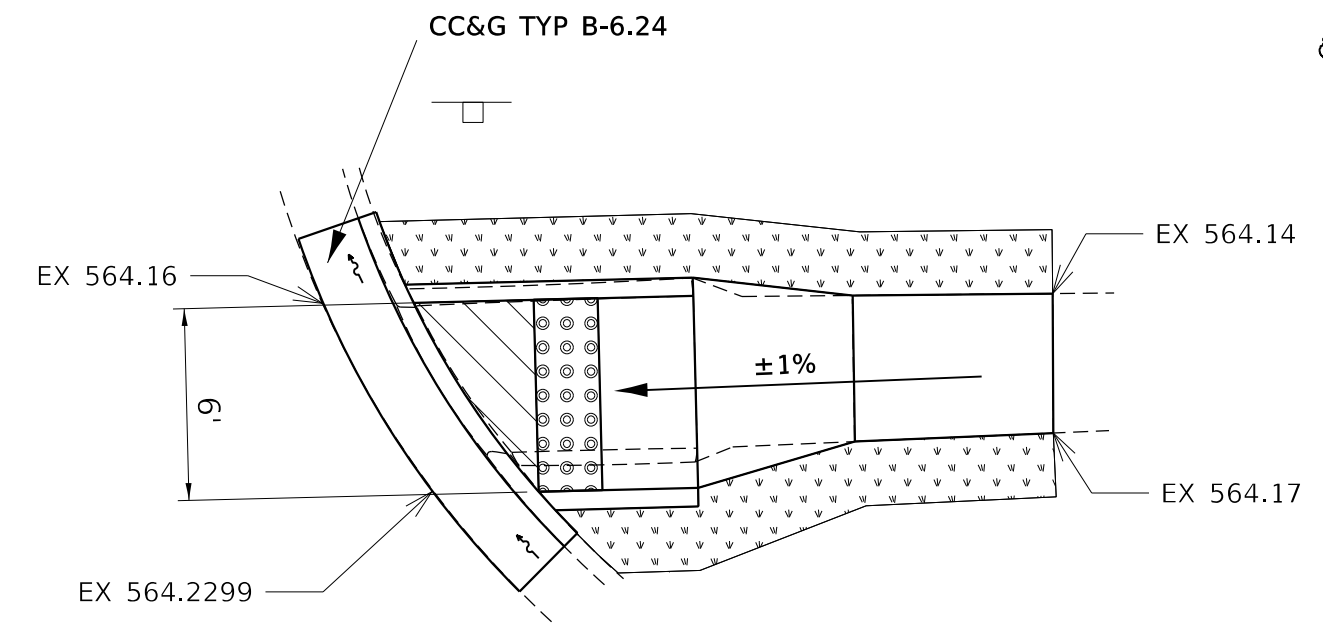
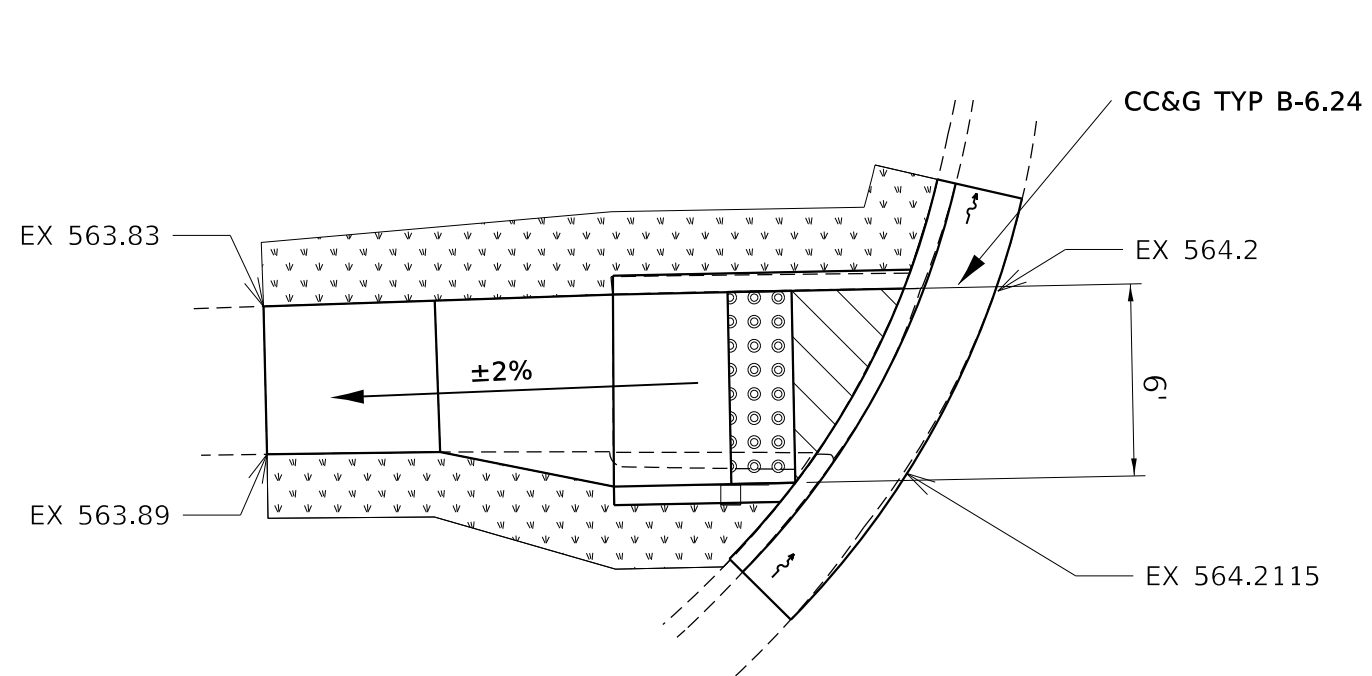
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

SCALE: SHEET 15 OF 20 SHEETS STA. TO STA.

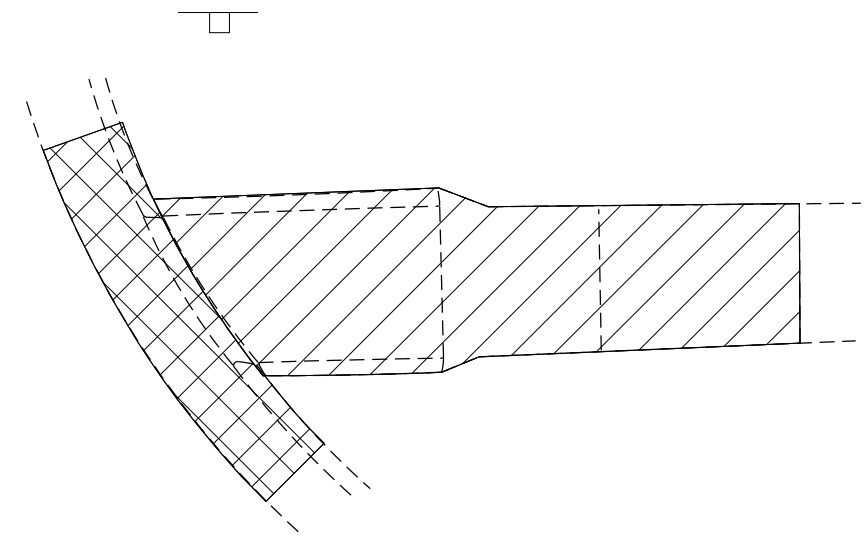
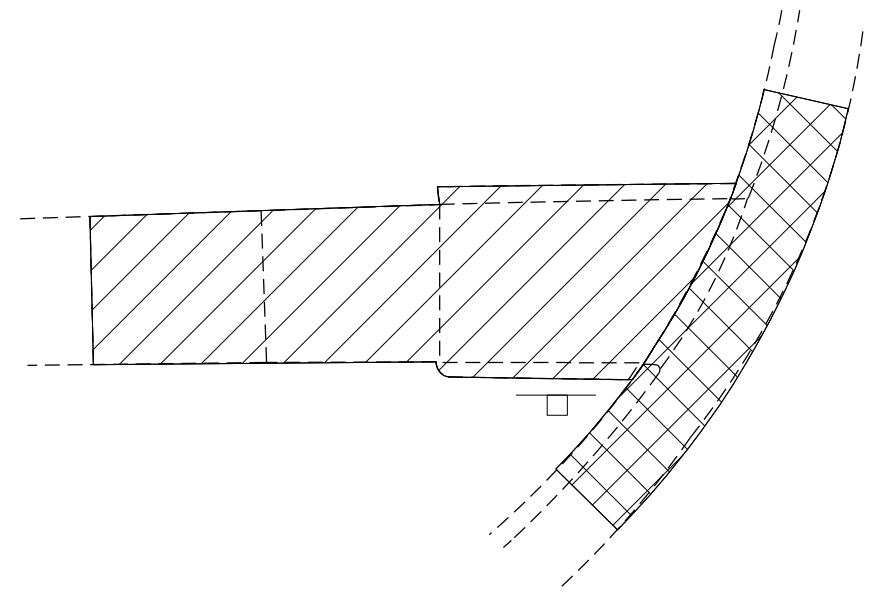
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	






# TINMAN ST



## NW QUAD

## NE QUAD



-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
 FILE: \\mdepc-prodfiles-cw.bentley.com:PWIDOT\Documents\DOT Offices\Bentley - Projects\366E48\CAD\Drawings\366E48-ADA-det-16.dgn

USER NAME = ZAGARIK	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 6.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

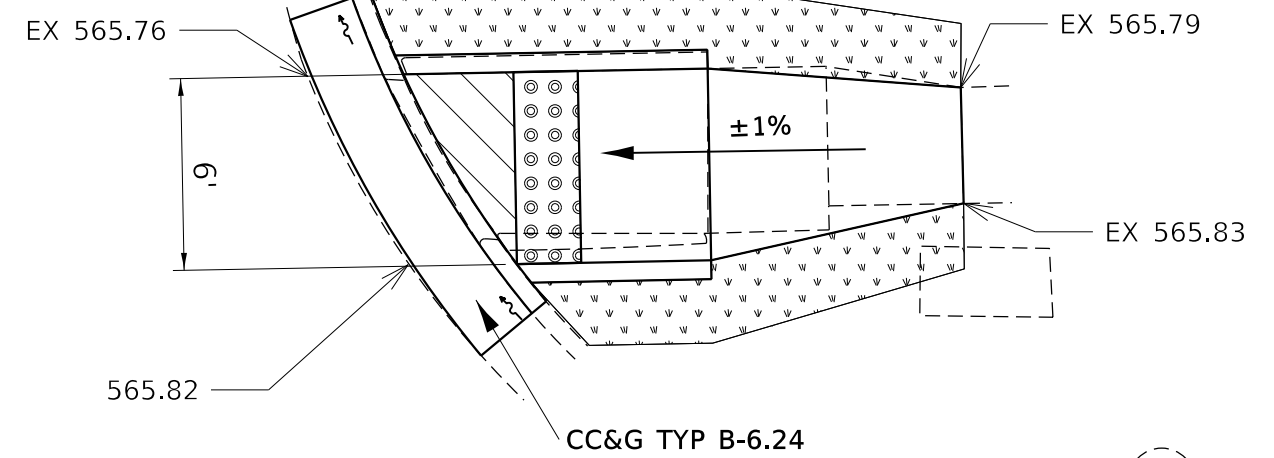
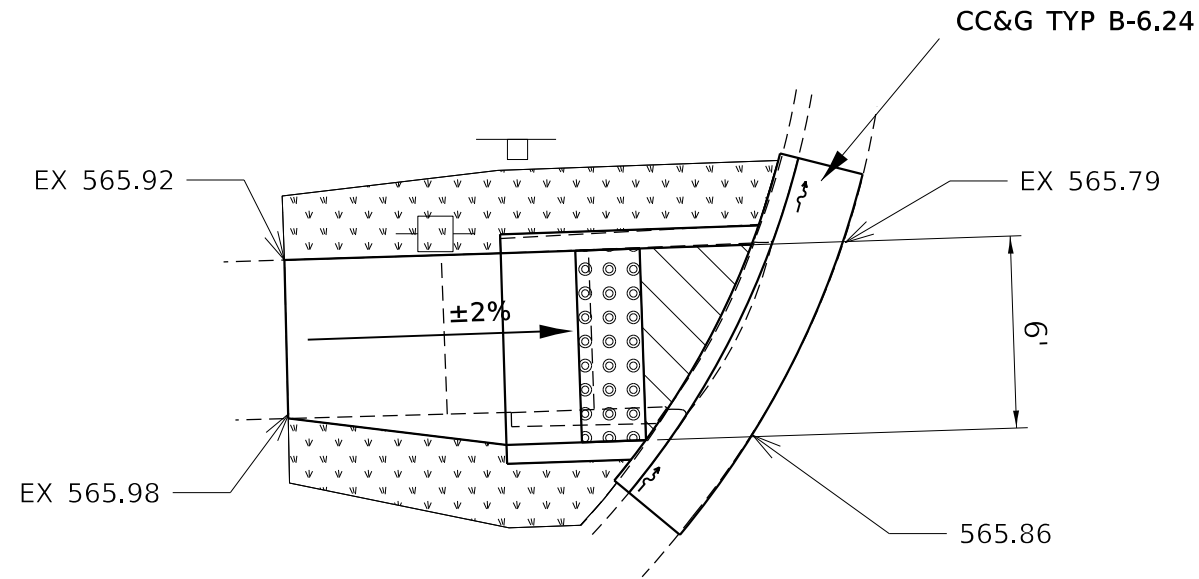
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

SCALE: SHEET 16 OF 20 SHEETS STA. TO STA.





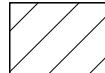
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	43
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

# DALEY ST



**NW QUAD**

**NE QUAD**

-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL

HANDHOLE (AT&T)



MODEL: Default  
 FILE: \\mdepc-prodfiles-cw.bentley.com:PHWDOT\Documents\DOT Offices\Bentley - Projects\366E48\CADD\DATA\CAD\Drawings\366E48-ADA-Set\17.dgn

USER NAME = ZAGARIK	DESIGNED -	REVISED -
PLOT SCALE = 6.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/15/2022	CHECKED -	REVISED -
	DATE -	REVISED -

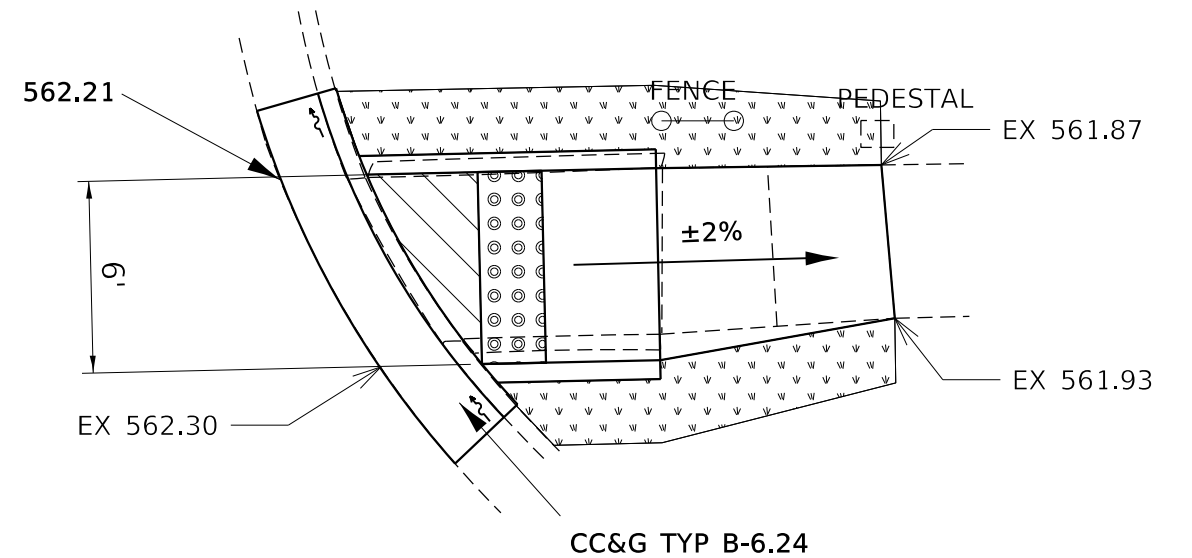
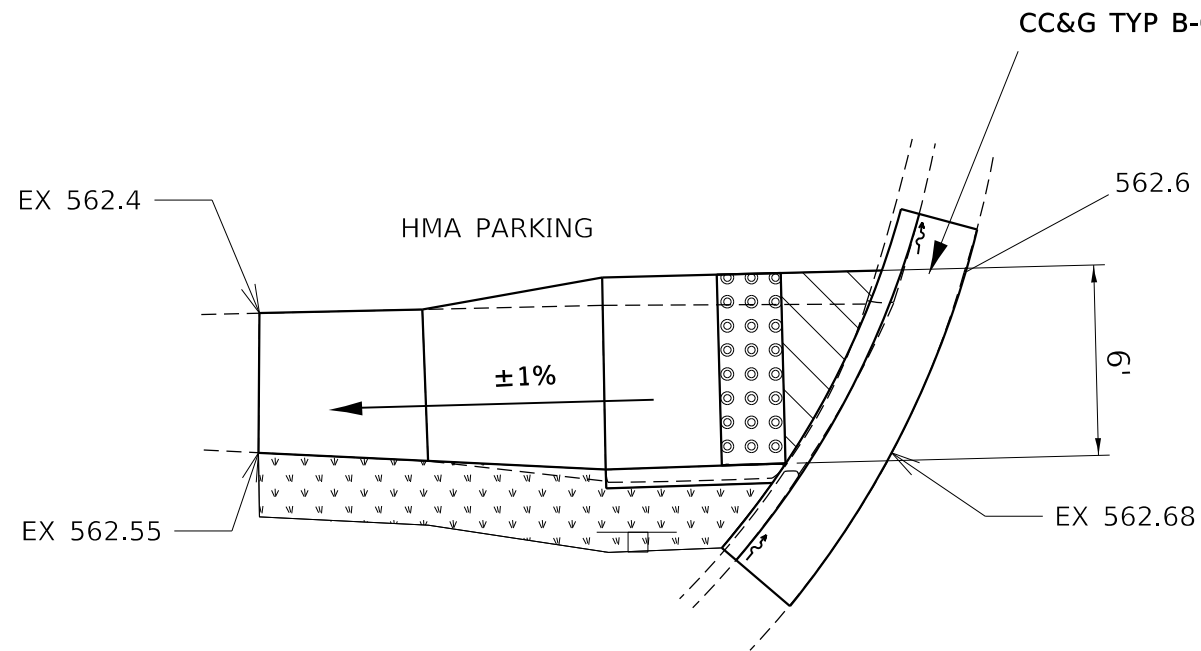
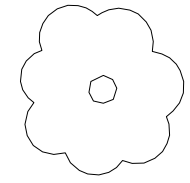
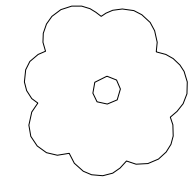
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

SCALE: SHEET 17 OF 20 SHEETS STA. TO STA.


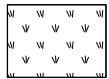
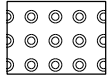
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 R5-4	GRUNDY	58	44
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				

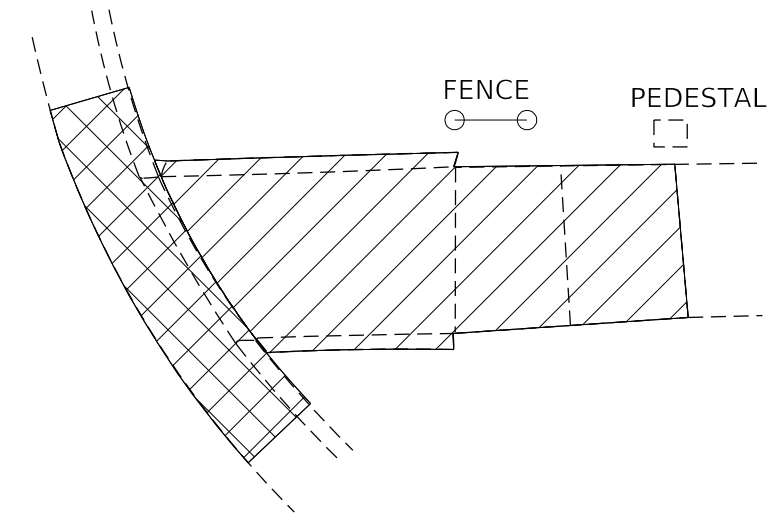
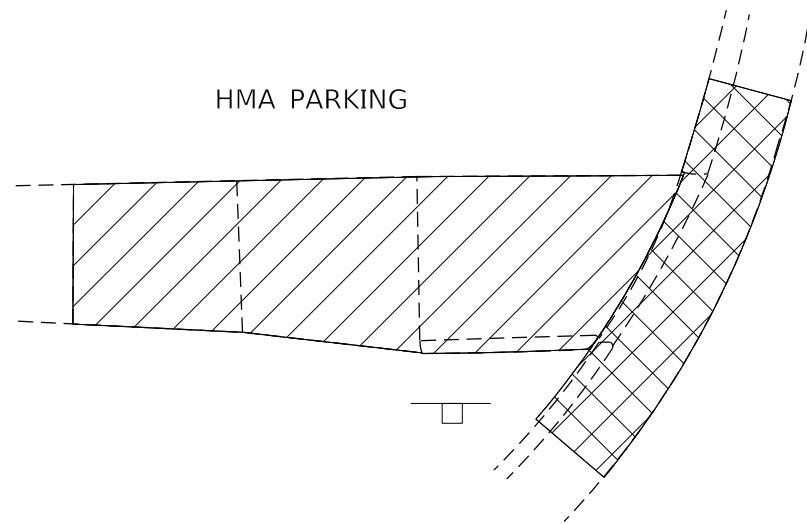
# N. SCHOOL ST

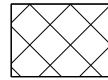



**NW QUAD**

**NE QUAD**

-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING



-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
 FILE: \\mdepc-prod-01-cv-bentley.com:PHWDOT\Documents\DOT Offices\Bentley - Projects\366E48\CADD\Drawings\366E48-ADA-Set\18.dgn

USER NAME = ZAGARIK	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 6.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

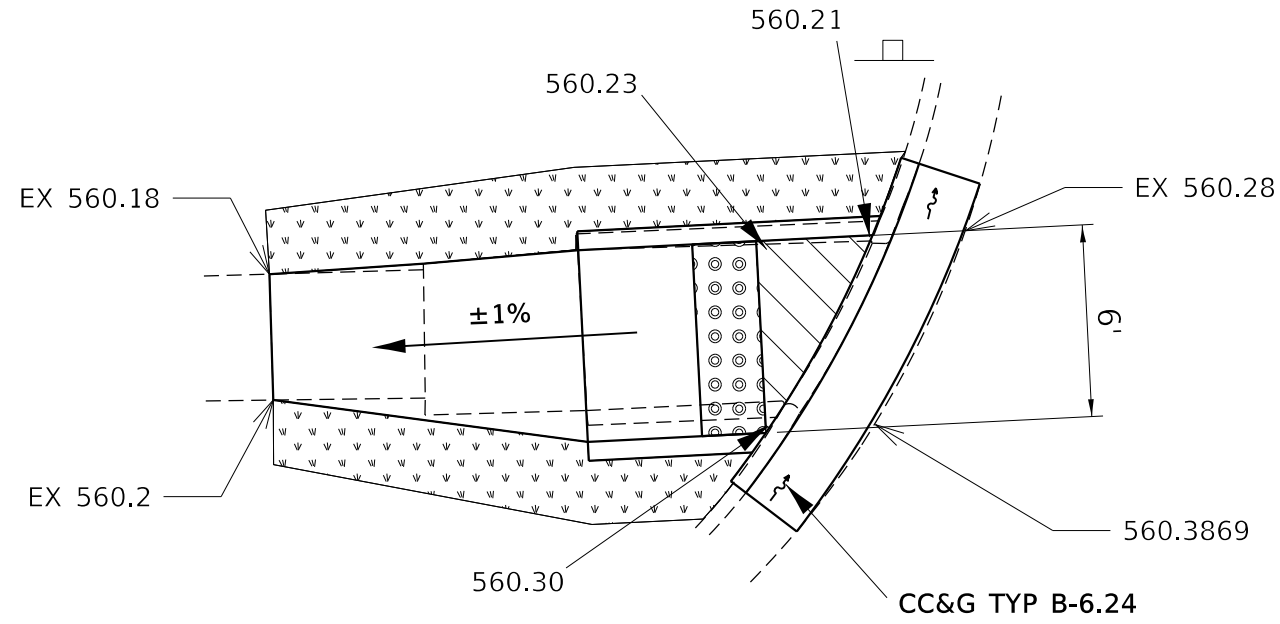
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

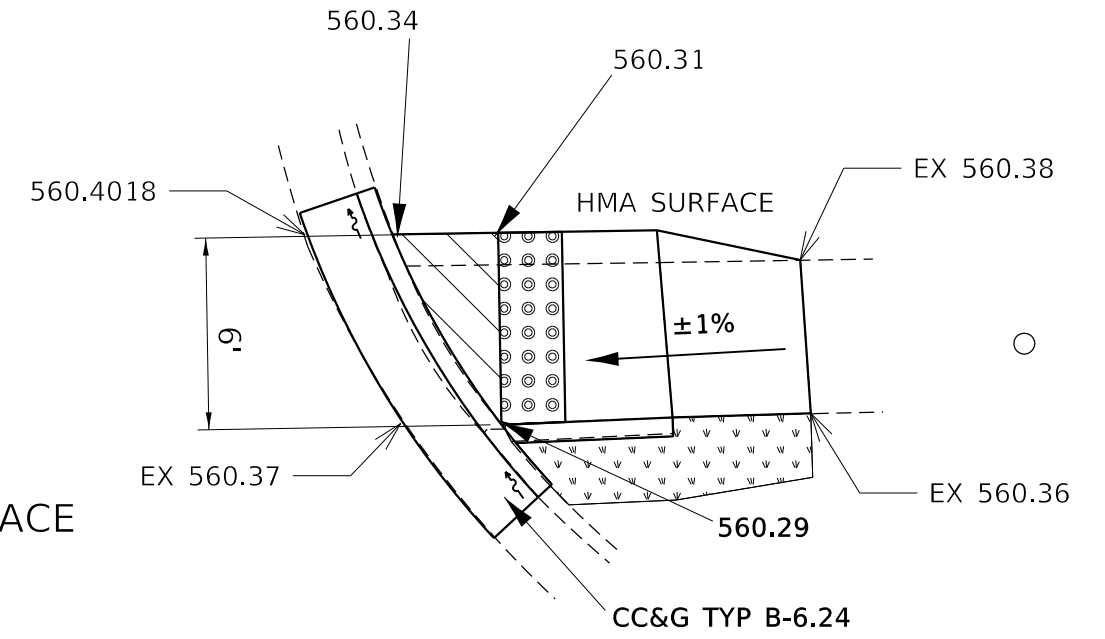
SCALE: SHEET 18 OF 20 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	45
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				




# CALKEY ST

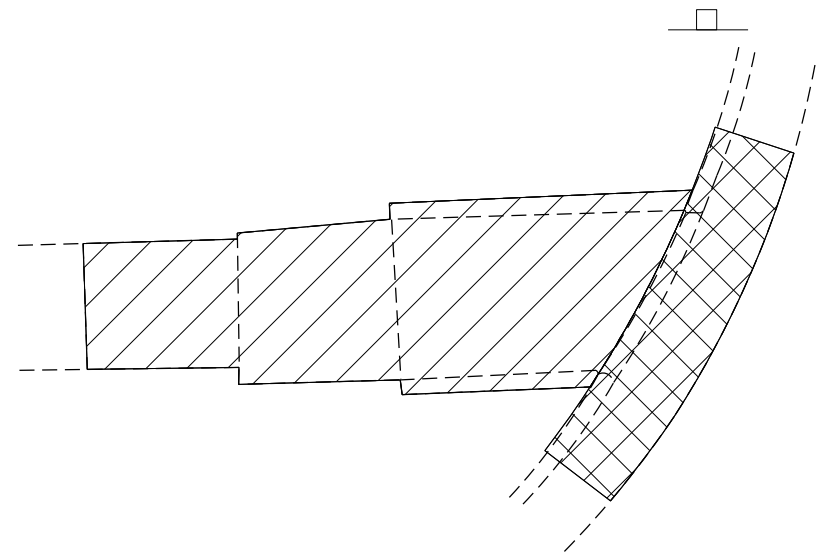



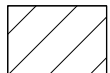
**NW QUAD**

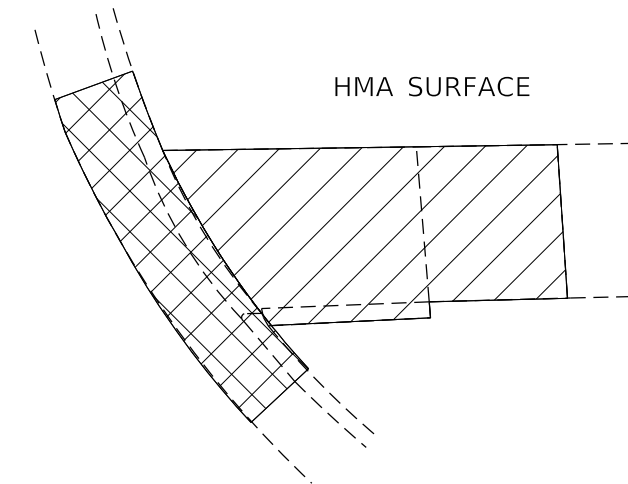


**NE QUAD**

-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING



-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
 FILE: M:\MapE\_Plan\113-RS-4\113-RS-4-ADA-Details.dgn  
 PROJECTS\113-RS-4\113-RS-4-ADA-Details.dgn

USER NAME = ZAGARIK	DESIGNED -	REVISED -
PLOT SCALE = 6.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/15/2022	CHECKED -	REVISED -
	DATE -	REVISED -

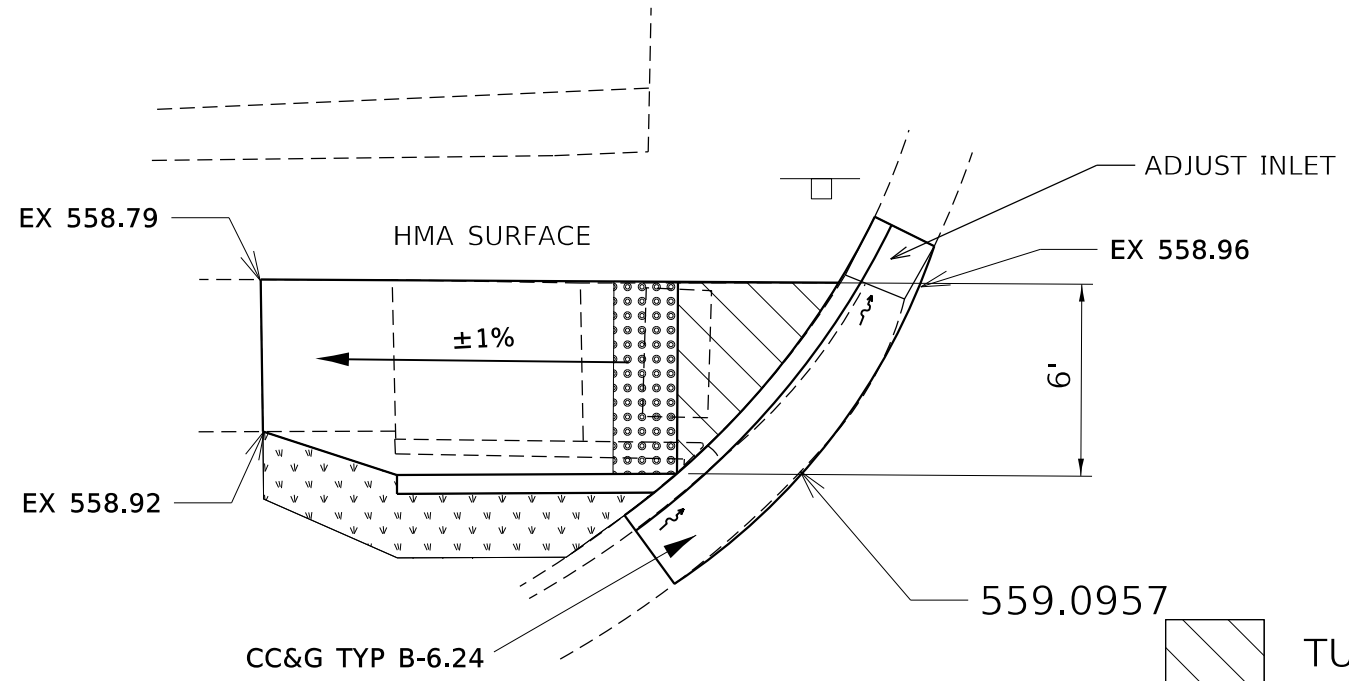
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

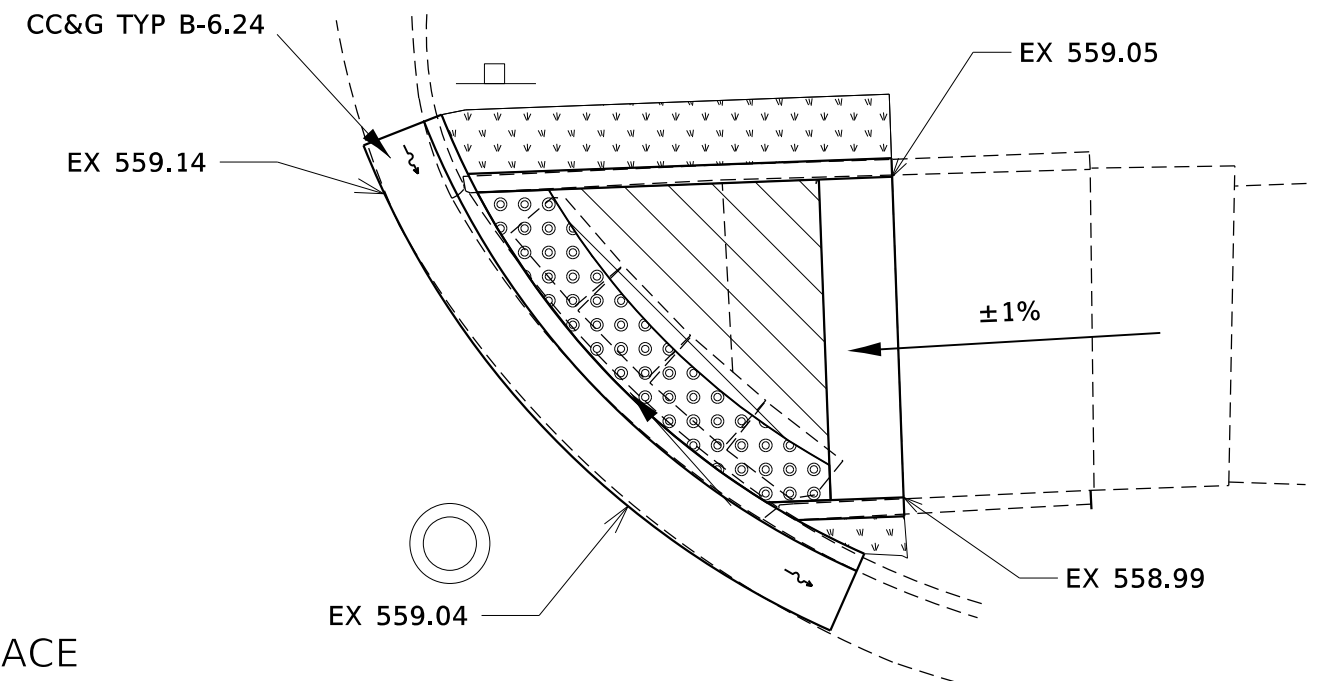
SCALE: SHEET 19 OF 20 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	46
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E48	

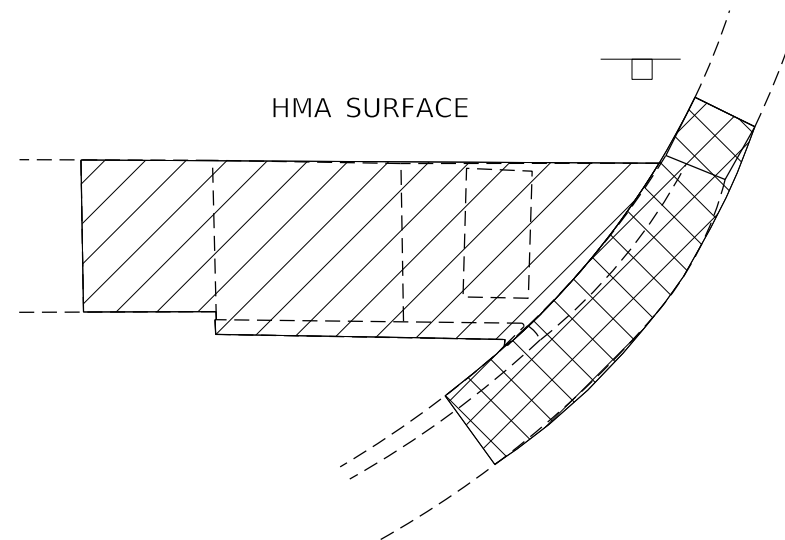
# BERTA CURTIS ST




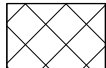
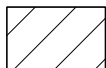


**NW QUAD**



**NE QUAD**



-  TURNING SPACE
-  SODDING
-  DETECTABLE WARNING
-  CCG REMOVAL
-  SIDEWALK REMOVAL



MODEL: Default  
 FILE: M:\MapE\_Plan\Berta-Curtis-St\Berta-Curtis-St\Projects\DOT\Office\Berta-Curtis-St\Projects\DOT\Berta-Curtis-St\Berta-Curtis-St\Berta-Curtis-St\Berta-Curtis-St.dgn

USER NAME = ZAGARIK	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 6.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

SCALE: SHEET 20 OF 20 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	47
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				



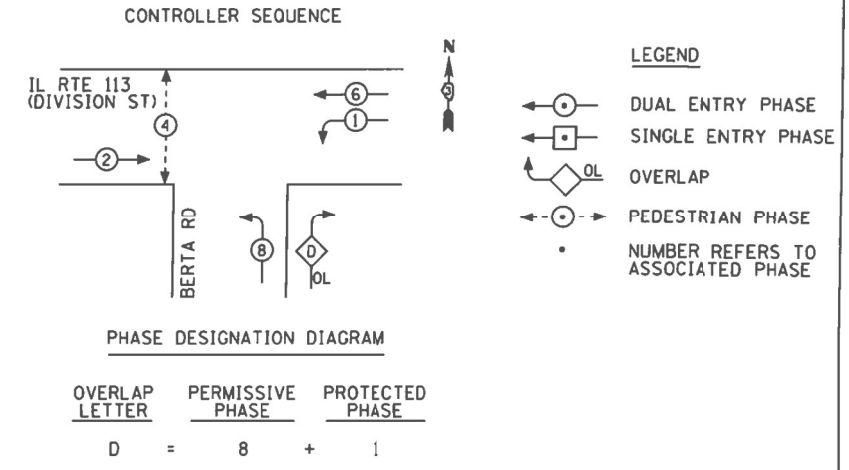
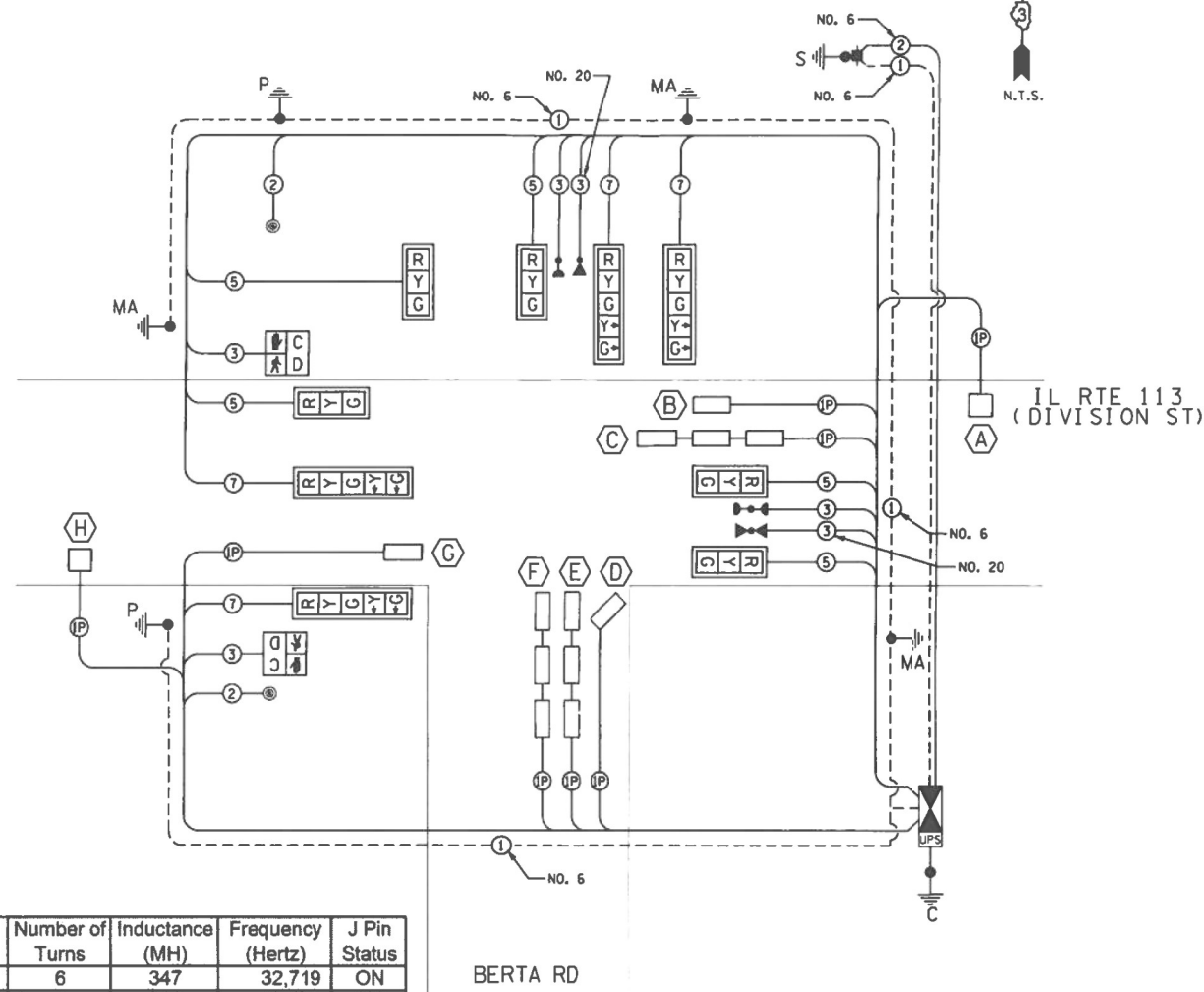


**CABLE PLAN LEGEND**

- EXISTING**    **PROPOSED**
- 8" (200mm) TRAFFIC SIGNAL SECTION
  - 12" (300mm) TRAFFIC SIGNAL SECTION
  - 12" (300mm) PEDESTRIAN SIGNAL SECTION
  - 12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER
  - CONTROLLER CABINET
  - CONTROLLER CABINET WITH UNINTERRUPTIBLE POWER SUPPLY (UPS)
  - SERVICE INSTALLATION
  - TELEPHONE CONNECTION
  - VEHICLE DETECTOR, INDUCTION LOOP
  - EMERGENCY VEHICLE LIGHT DETECTOR
  - CONFIRMATION BEACON
  - PUSHBUTTON DETECTOR
  - DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
  - FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
  - SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
  - RAILROAD CONTROL CABINET
  - ILLUMINATED SIGN "NO LEFT TURN"
  - ILLUMINATED SIGN "NO RIGHT TURN"
  - GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HH), OR CONTROLLER (C)
  - GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
  - GROUND ROD AT ELECTRIC SERVICE INSTALLATION
  - VIDEO DETECTION CAMERA

**FOR INFORMATION ONLY**

**PROPOSED CABLE PLAN**



**SCHEDULE OF QUANTITIES**

QTY	UNIT	ITEM DESCRIPTION
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
2	CAL MO	CHANGEABLE MESSAGE SIGN
5	SQ FT	SIGN PANEL - TYPE 1
33.75	SQ FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION, POLE MOUNTED
497	FOOT	CONDUIT IN TRENCH, 2" DIA, PVC
8	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA, PVC
21	FOOT	CONDUIT IN TRENCH, 3" DIA, PVC
109	FOOT	CONDUIT IN TRENCH, 4" DIA, PVC
237	FOOT	CONDUIT PUSHED, 2" DIA, GALVANIZED STEEL
168	FOOT	CONDUIT PUSHED, 4" DIA, GALVANIZED STEEL
8	EACH	HANDHOLE, PORTLAND CEMENT CONCRETE
1	EACH	DOUBLE HANDHOLE, PORTLAND CEMENT
620	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
1	EACH	UNINTERRUPTIBLE POWER SUPPLY
233	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED
363	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
610	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
789	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
677	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1280	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
108	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
472	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT
		GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
37.5	FOOT	CONCRETE FOUNDATION, TYPE E
		30-INCH DIAMETER
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
9	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC
8	EACH	INDUCTIVE LOOP DETECTOR
809	FOOT	DETECTOR LOOP, TYPE I
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
2	EACH	PEDESTRIAN PUSH-BUTTON

Loop System	Label	Number of Turns	Inductance (MH)	Frequency (Hertz)	J Pin Status
A	PHASE 6 WB FAR	6	347	32,719	ON
B	PHASE 6 WB STBR	4	266	37,370	OFF
C	PHASE 1 WB LT	4	786	21,750	ON
D	PHASE 8 NB STBR RT	4	265	37,483	OFF
E	PHASE 8 NB STBR RL	4	785	21,768	ON
F	PHASE 8 NB STBR LL	4	785	21,768	ON
G	PHASE 2 EB STBR	4	288	35,971	OFF
H	PHASE 2 EB FAR	6	351	32,545	ON

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

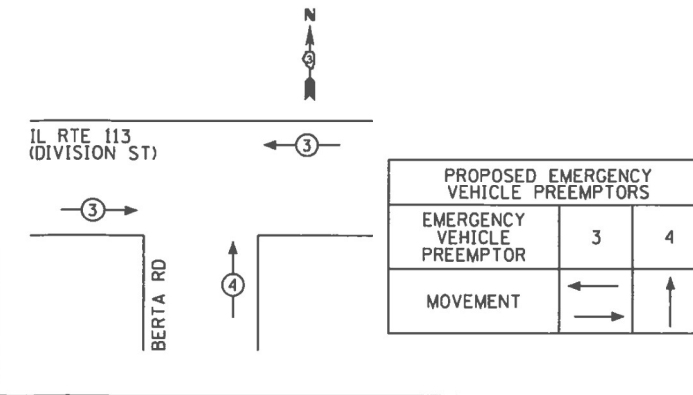
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	17	0.50		76.5
(YELLOW)	9	25	0.25		56.25
(GREEN)	9	15	0.25		33.75
ARROW	8	12	0.10		9.6
LED SIGNAL	2	25	1.00		50.0
CONTROLLER	1	100	1.00		100.0
ILLUM. SIGN			0.05		
TOTAL =					326.1

ENERGY COSTS TO: VILLAGE OF DIAMOND, 1750 E Division St, Diamond, IL 60416

ENERGY SUPPLY CONTACT: JAMES GLOVER, PHONE: (815) 724-5054, COMPANY: COMED

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-H-2'
E - M. ARM POLE		SIGNAL POST	2 (1.0)		16m+L-0.6m±
		24" (600mm)	10 (3.0)	BRACKET MOUNTED	13 (4.0)
		30" (750mm)	15 (4.6)	FIBER OPTIC	4 (1.2)
		36" (900mm)	15 (4.6)	ELECTRIC SERVICE	13.5 (4.1)
		42" (1060mm)	21 (6.4)	GROUND CABLE	1 (0.5)
				SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



LOCATION: **DIAMOND, ILLINOIS**

DESIGNED - GJG  
DRAWN - GJG  
CHECKED - DMS  
DATE - 1/4/2012

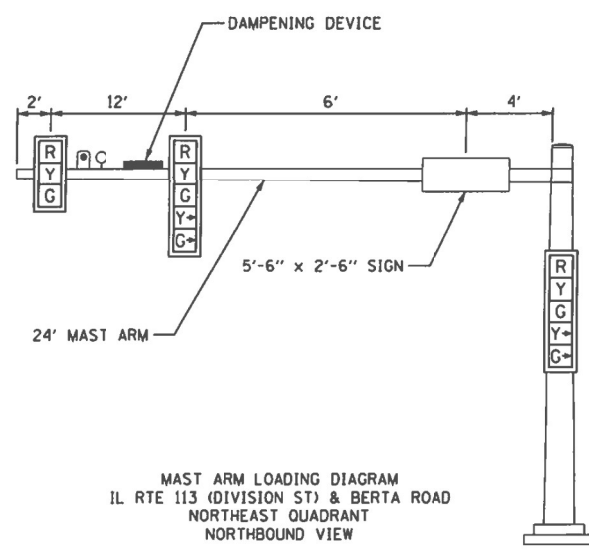
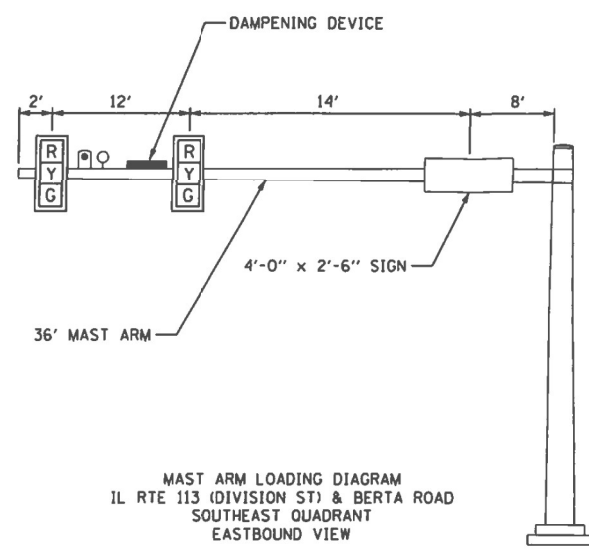
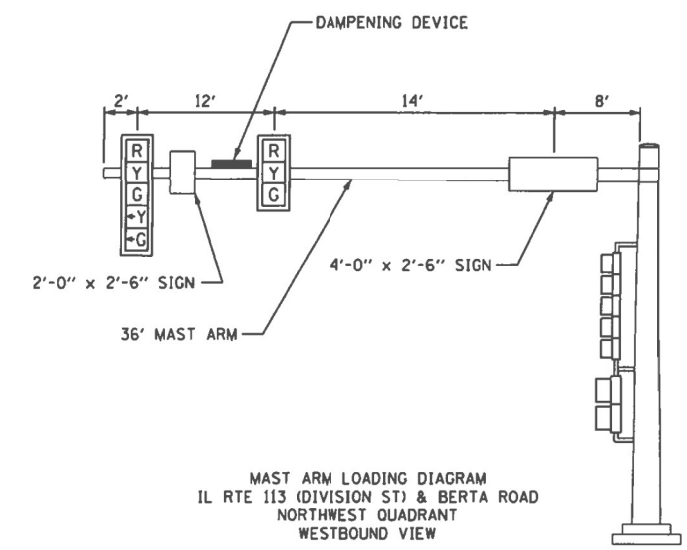
REV DATE	CHECKED	REVISION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EVP SEQUENCE & SCHEDULE OF QUANTITIES**  
IL RTE 113 (DIVISION ST) AT BERTA RD

SCALE: NONE    FILE NAME: ...signals\84-cable.dgn

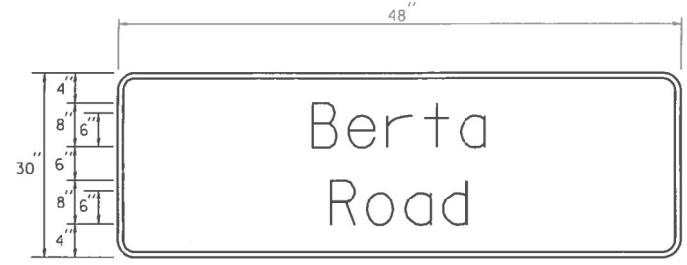
COUNTY	TOTAL SHEETS	SHEET NO.
GRUNDY	5	4

FOR INFORMATION ONLY



GENERAL NOTES - ALL LOCATIONS

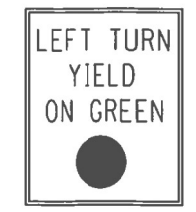
- THE CONTRACTOR SHALL CONTACT THE VILLAGE OF DIAMOND AT (815) 634-8149 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
- THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT (815) 434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS (800) 892-0123.
- ALL TRAFFIC CONTROL AND OTHER ADVISOR SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
- ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
- TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
- 1/2" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
- THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC CONTROLLER PAY ITEM.
- ALL CONDUIT IN TRENCH SHALL BE PVC. ALL CONDUIT PUSHED MAY BE PVC OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
- ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY ROUNDED IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
- ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
- THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
- THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.
- THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
- THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.
- ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
- ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 306 OF THE STANDARD SPECIFICATIONS.
- ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILTABLE CONDITION.
- THE FIBER OPTIC CABLE SHALL BE LABELED WITH DIRECTION AND ASSIGNMENT NUMBER.
- THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.
- THE MAST ARM SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF THE CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN THE CURB AREA, GET MORE THAN 6', IF POSSIBLE, IF THE SIGNAL HEAD STILL LINES UP IN THE CENTER OF THE LANE.
- IF THERE IS A PAY ITEM, CHANGEABLE MESSAGE SIGNS ARE REQUIRED FOR BOTH DIRECTIONS. ONE WEEK PRIOR TO SIGNAL TURN-ON, THE MESSAGE SHOULD READ "NEW SIGNAL AHEAD/TURN ON DATE." FOR THREE WEEKS AFTER, THE MESSAGE SHOULD READ "NEW SIGNAL AHEAD/BE PREPARED TO STOP."



3/4" BORDER  
8 1/2" UPPERCASE/LOWERCASE D SERIES LETTERS  
TYPE ZZ SHEETING REQUIRED  
2 SIGNS REQUIRED  
= 10 SQ. FT EACH  
= 20 SQ. FT. TOTAL

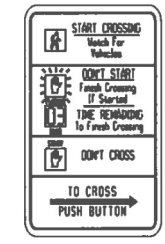


3/4" BORDER  
8 1/2" UPPERCASE/LOWERCASE D SERIES LETTERS  
TYPE ZZ SHEETING REQUIRED  
1 SIGNS REQUIRED  
= 13.75 SQ. FT EACH  
= 13.75 SQ. FT. TOTAL



R10-12

THIS SIGN SHALL BE LOCATED 6 IN TO 12 IN TO THE RIGHT OF EACH 5 SECTION MAST ARM MOUNTED LEFT TURN SIGNAL  
1 SIGNS REQUIRED  
= 5 SQ. FT EACH  
= 5 SQ. FT TOTAL



R10-3e  
9" x 15"  
LEFT OR RIGHT

THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN WITH EACH PEDESTRIAN PUSH BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH BUTTON PAY ITEM

FOUNDATION DEPTH TABLE		
TYPE	LOCATION	FOUNDATION
36' MAST ARM	N. W. QUADRANT IL RTE 113 @ BERTA ROAD	13' - 6"
36' MAST ARM	S. E. QUADRANT IL RTE 113 @ BERTA ROAD	14' - 0"
24' MAST ARM	N. E. QUADRANT IL RTE 113 @ BERTA ROAD	10' - 0"
16' TRAFFIC SIGNAL POST	S. W. QUADRANT IL RTE 113 @ BERTA ROAD	4' - 0"
CONTROLLER CABINET	S. E. QUADRANT IL RTE 113 @ BERTA ROAD	4' - 0"

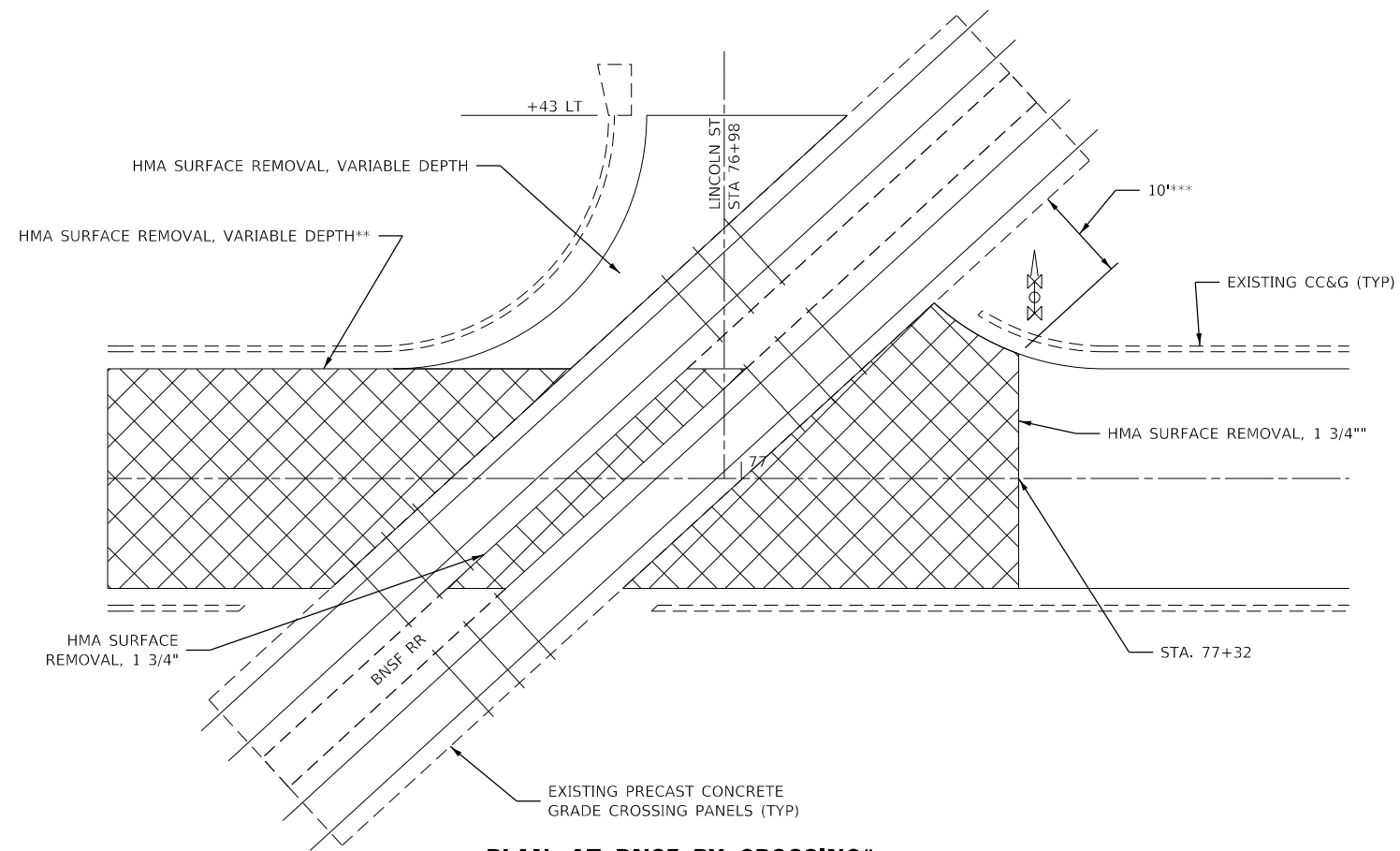
**KLOA**  
8578 West Higgins Road, Suite 400  
Rosemont, Illinois 60018  
P: (847) 618-9990 F: (847) 618-9987  
enlg.Lindgren.O'Hara.Abonsa,Inc.  
PROJECT # 10-110

LOCATION:  
**DIAMOND, ILLINOIS**

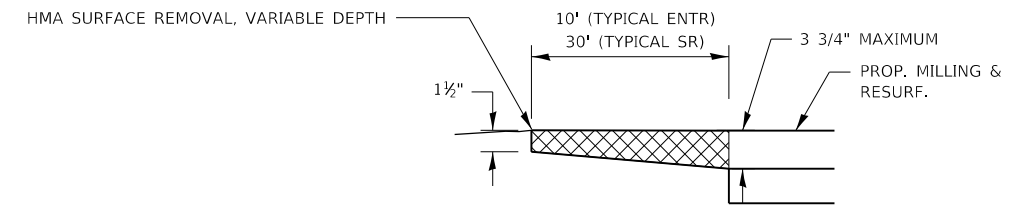
DESIGNED - GJG	REV DATE	CHECKED	REVISION
DRAWN - GJG			
CHECKED - DMS			
DATE - 1/4/2012			

TRAFFIC SIGNAL DETAILS  
IL RTE 113 (DIVISION ST) AT BERTA ROAD  
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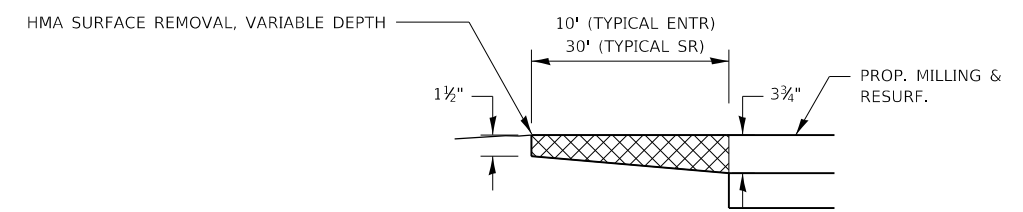
COUNTY	TOTAL SHEETS	SHEET NO.
GRUNDY	5	5



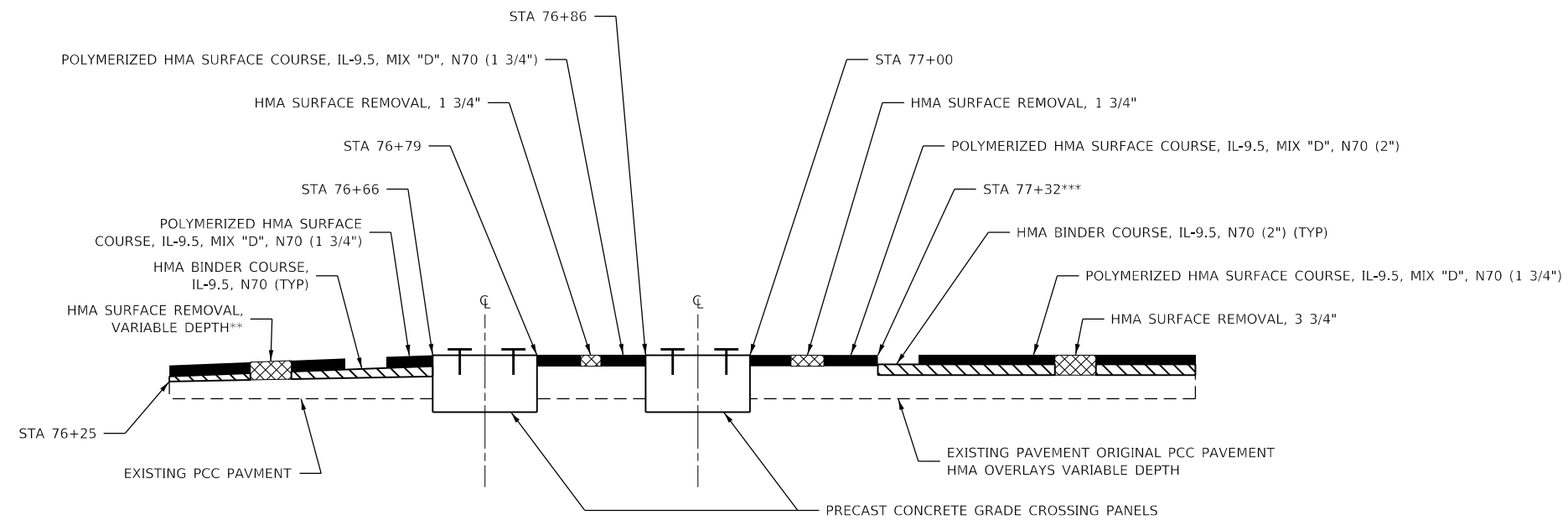
**PLAN AT BNSF RY CROSSING\*  
LINCOLN ST & IL-113 /DIVISION ST**



**PROPOSED VARIABLE DEPTH MILLING FOR LINCOLN ST.**



**PROPOSED VARIABLE DEPTH MILLING STA 77+15 TO 161+00**



**MILLING DETAIL AT BNSF RY CROSSING\*  
LINCOLN ST & IL-113 /DIVISION ST.**

\* DETAILS ARE NOT TO SCALE  
 \*\* HMA VARIABLE DEPTH REMOVAL TO EXISTING PCC PAVEMENT.  
 \*\*\* BUTT JOINT TO BE MINIMUM 10' FROM THE OUTSIDE EDGE OF PRECAST CONCRETE GRADE CROSSING PANELS.

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MILLING DETAILS AT RAILROAD (BNSF CROSSING)</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 66E48				
Default	PLOT DATE = 3/15/2022	DATE -	REVISED -			SCALE:	SHEET 4	OF 11	SHEETS	STA.

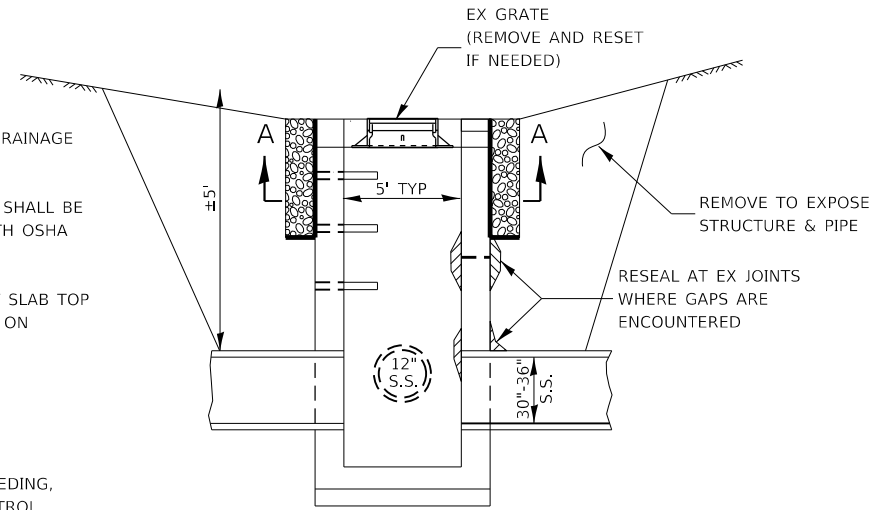


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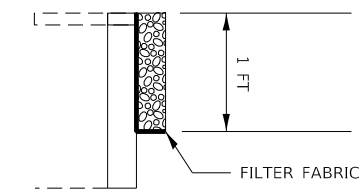
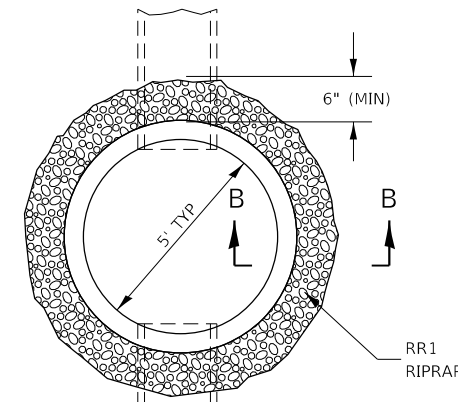
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	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66E48							
	PLOT DATE = 3/15/2022	DATE -	REVISED -		SCALE:	SHEET 6	OF 11	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

**NOTES:**

- REMOVE MATERIAL TO EXPOSE EXISTING DRAINAGE CONNECTIONS TO STRUCTURE
- INSPECTION INSIDE DRAINAGE STRUCTURE SHALL BE PERFORMED BY PERSONNEL CERTIFIED WITH OSHA TRAINING FOR CONFINED SPACES
- RESEAL GAPS AT PIPE CONNECTIONS, FLAT SLAB TOP JOINTS, AND RISER/CONSTRUCTION JOINTS ON DRAINAGE STRUCTURE
- REPLACE EXCAVATED MATERIALS & INSTALL RIPRAP WITH FABRIC AROUND DRAINAGE STRUCTURE
- RESTORE WORK AREA WITH APPROVED SEEDING, FERTILIZER AND MULCH OR EROSION CONTROL BLANKET

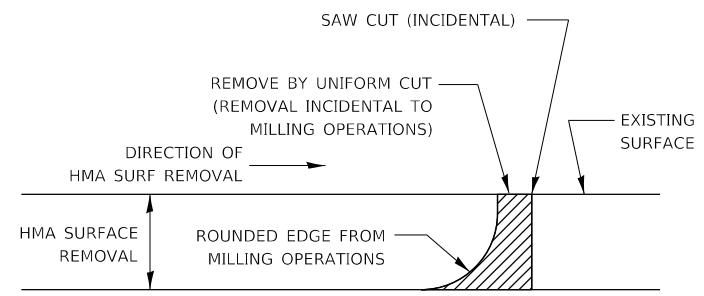


**DRAINAGE STRUCTURE REPAIR**  
NOT TO SCALE



**SECTION A-A**      **SECTION B-B**

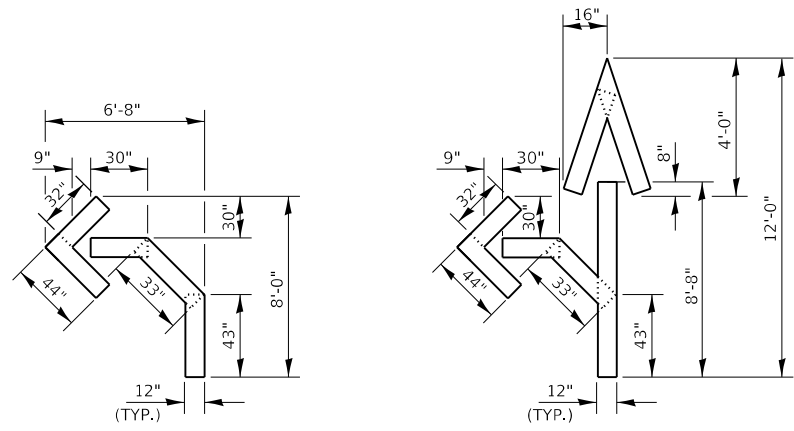
**RIPRAP AROUND DRAINAGE STRUCTURES**  
STA 115+68 RT  
STA 130+70 RT



**NOTE:**  
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

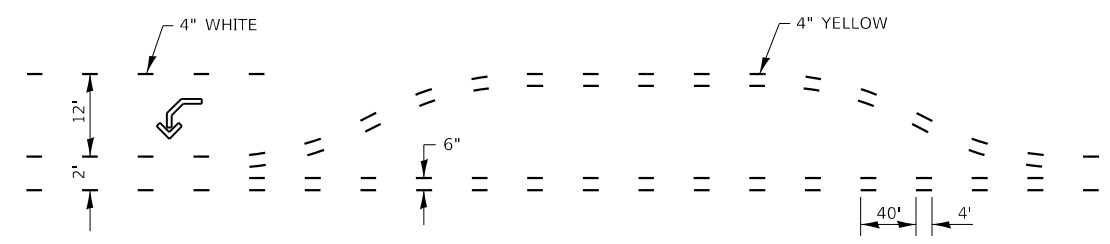
**HMA DETAIL AT BUTT JOINTS**

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100,0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 66E48							
PLOT DATE = 3/15/2022		DATE -	REVISED -		SCALE:	SHEET 7 OF 11 SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT			

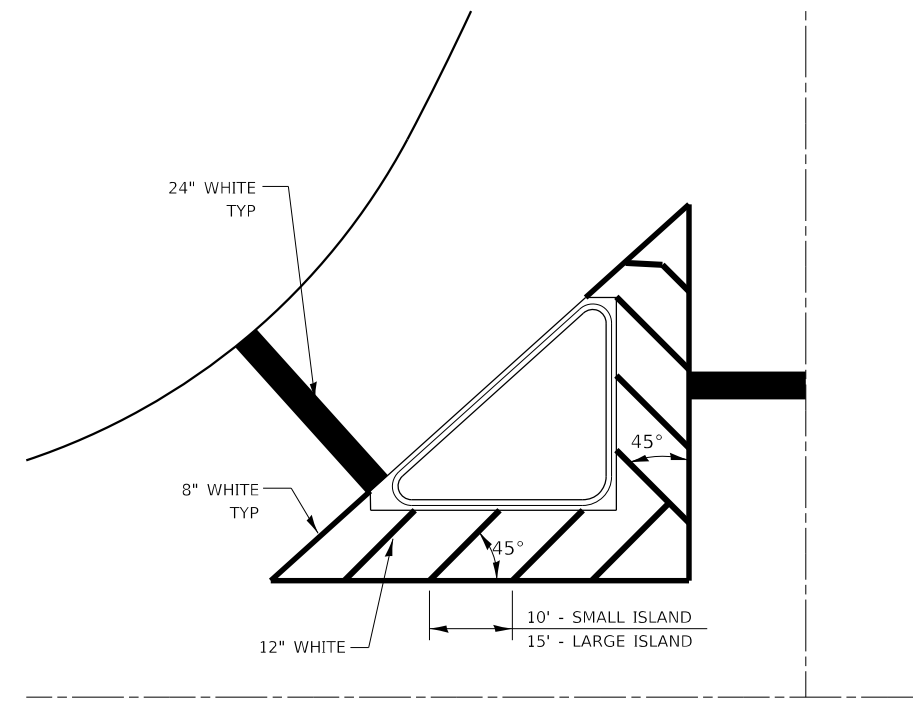


QUANTITY  
12" LINE = 16 LIN FT  
OR 4" LINE = 48 LIN FT

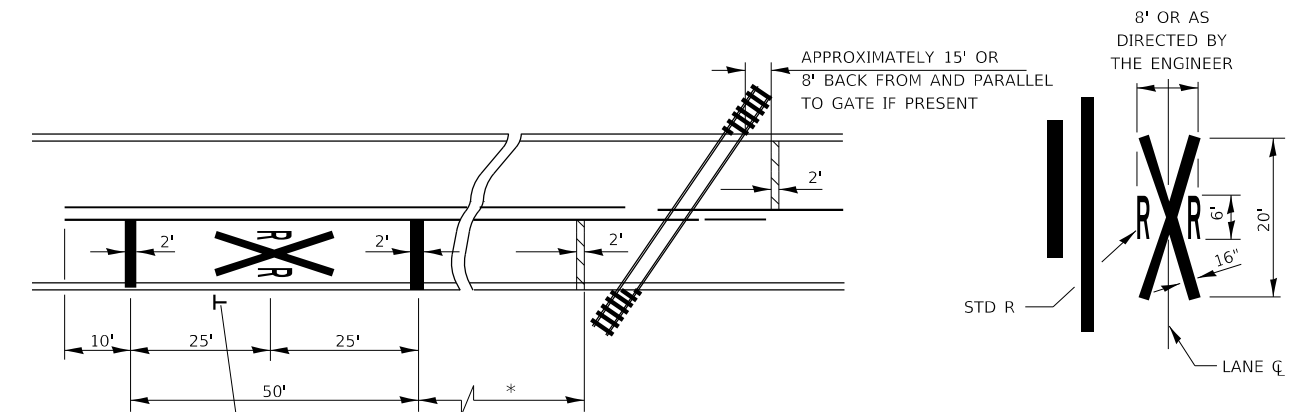
QUANTITY  
12" LINE = 29 LIN FT  
OR 4" LINE = 87 LIN FT



**SHORT-TERM PAVEMENT MARKING  
FOR MEDIANS AND ARROWS**



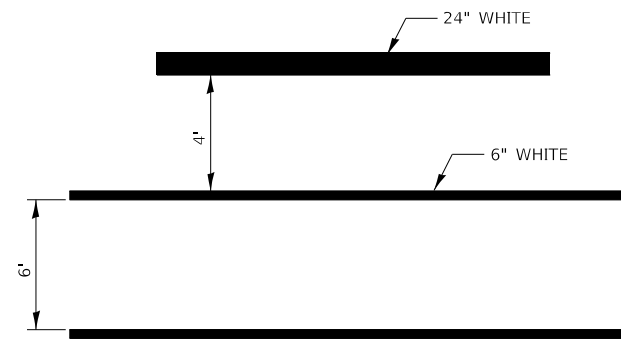
**TYPICAL ISLAND**



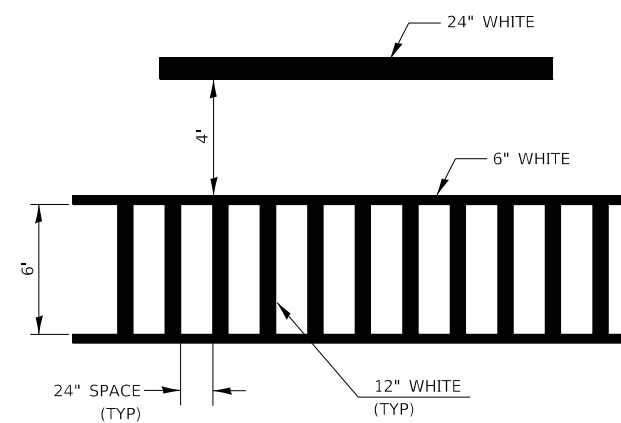
**PAVEMENT MARKINGS AT  
RAILROAD-HIGHWAY GRADE CROSSING**

\* MINIMUM DISTANCE  
500' FOR 55 MPH  
375' FOR 45 MPH  
250' FOR 35 MPH OR LESS

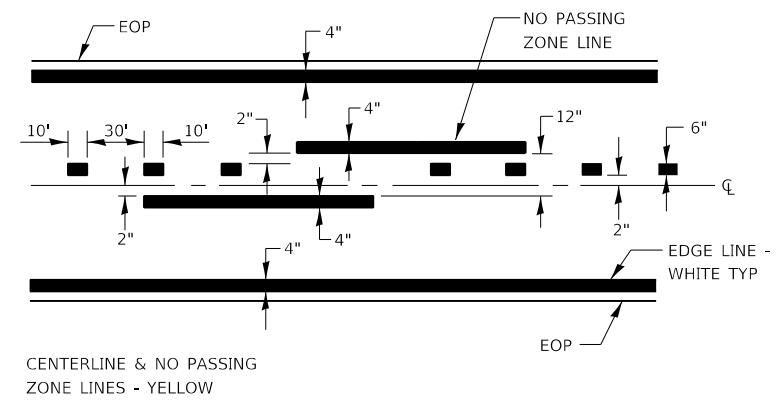
NOTES:  
THE TRANSVERSE SPREAD OF THE "X"  
MAY VARY ACCORDING TO LANE WIDTH.  
  
ON MULTI-LANE ROADS, THE STOP LINES  
SHALL EXTEND ACROSS ALL APPROACH  
LANES AND SEPARATE RXR SYMBOLS SHALL  
BE PLACED ADJACENT TO EACH OTHER  
IN EACH LANE.  
  
WHEN THE PAVEMENT MARKING SYMBOL  
IS USED, A PORTION OF THE SYMBOL  
SHOULD BE LOCATED DIRECTLY ADJACENT  
TO THE ADVANCE WARNING SIGN (W10-1).



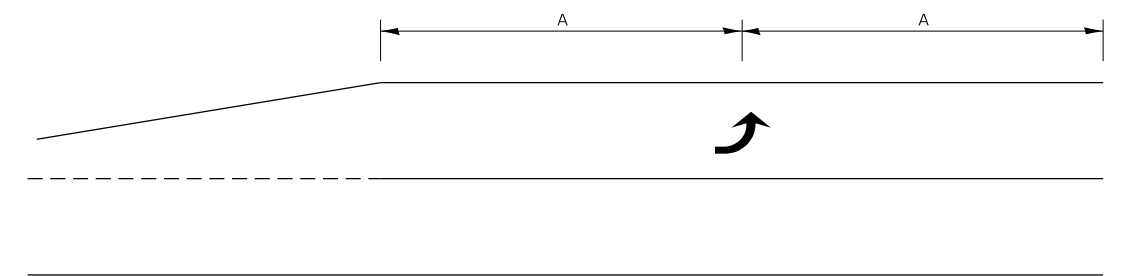
**TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS**



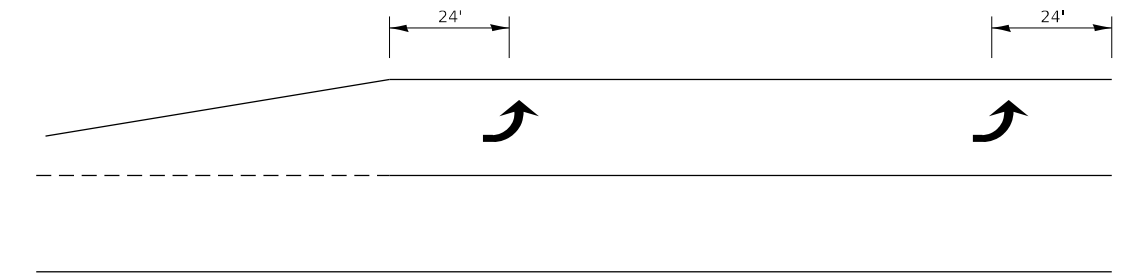
**TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS**



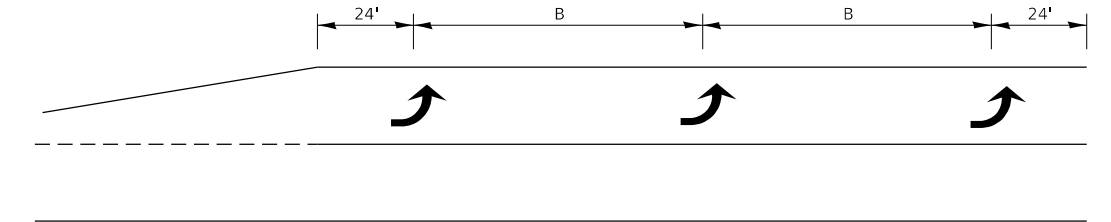
**PAVEMENT MARKING**



**99' AND UNDER**



**100' TO 149'**



**150' AND LONGER**

**TYPICAL PLACEMENT OF ARROWS IN TURN LANES**

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -
pw:\illdot-pw\benfey.com\PWIDOT\Documents\IDOT Office\District 3\Projects\10366E48\CADData\CADsheets\10366E48-1.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2022	DATE -	REVISED -

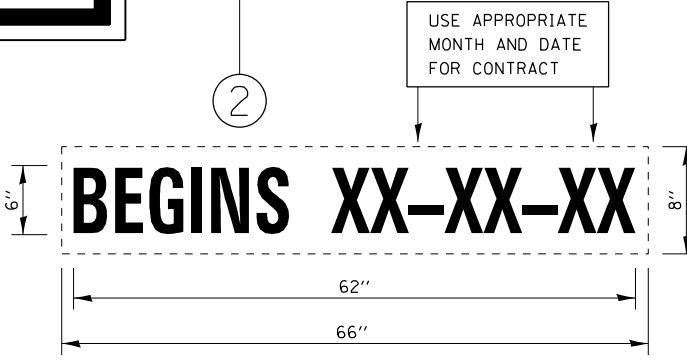
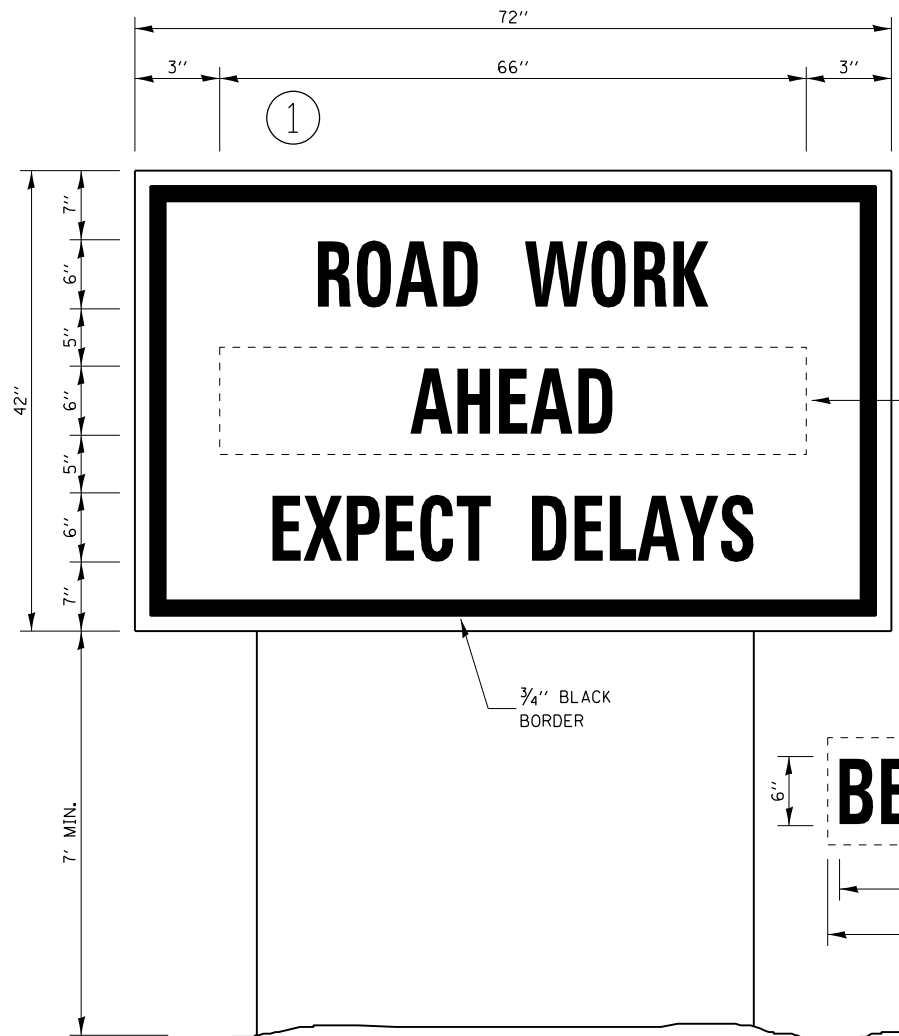
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>			
SCALE:	SHEET 9	OF 11 SHEETS	STA. TO STA.

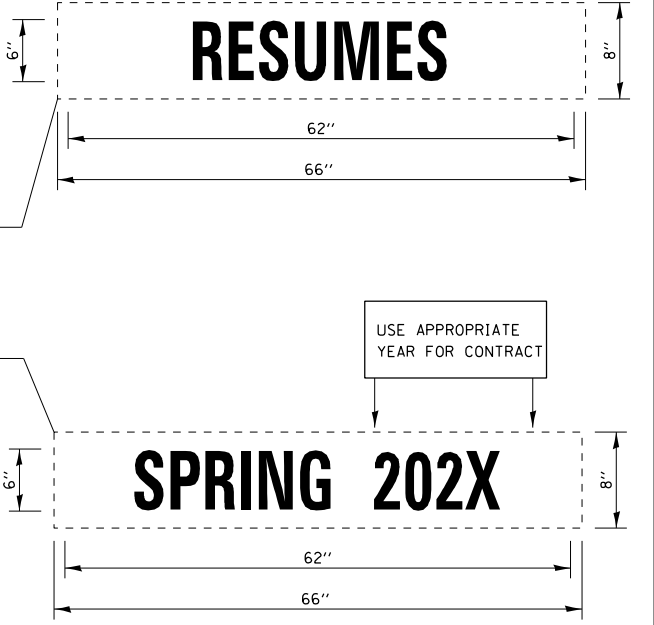
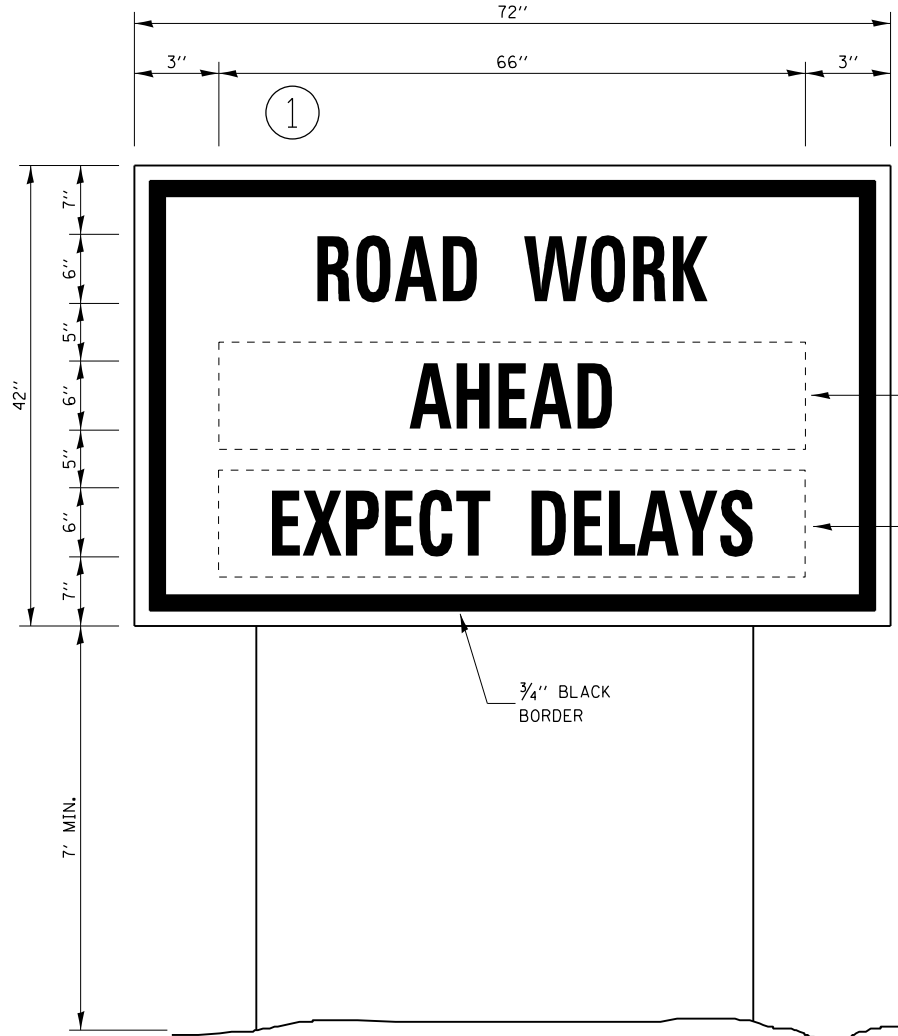
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	113 RS-4	GRUNDY	58	56
CONTRACT NO. 66E48				
ILLINOIS FED. AID PROJECT				







**TEMPORARY INFORMATION SIGNING**



**WINTER SHUT DOWN SIGNING**

**NOTES:**

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SO FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SO FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw:\illdot-pw\benfey.com\PWIDOT\Documents\IDOT Office\District 3\Projects\1366E48\CADData\CADsheets\1366E48-11.dwg		DRAWN -	REVISED -		SCALE:	SHEET 11	OF 11	SHEETS	STA.	TO STA.	301	113 RS-4	GRUNDY	58	58
Default		CHECKED -	REVISED -		CONTRACT NO. 66E48										
	PLOT SCALE = 100,0000' / in.	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										