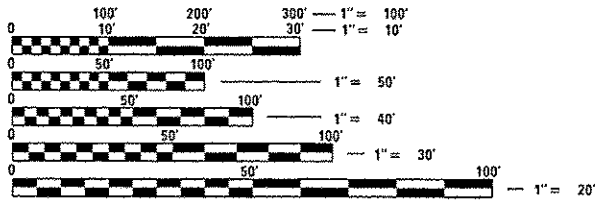


INDEX OF SHEETS

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9	TYPICAL SECTIONS
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14-24	PLAN VIEWS
25-33	DETAILS

HIGHWAY STANDARDS

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420001-08	PAVEMENT JOINTS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424008-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
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635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
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782001	PRISMATIC CURB REFLECTORS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS



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

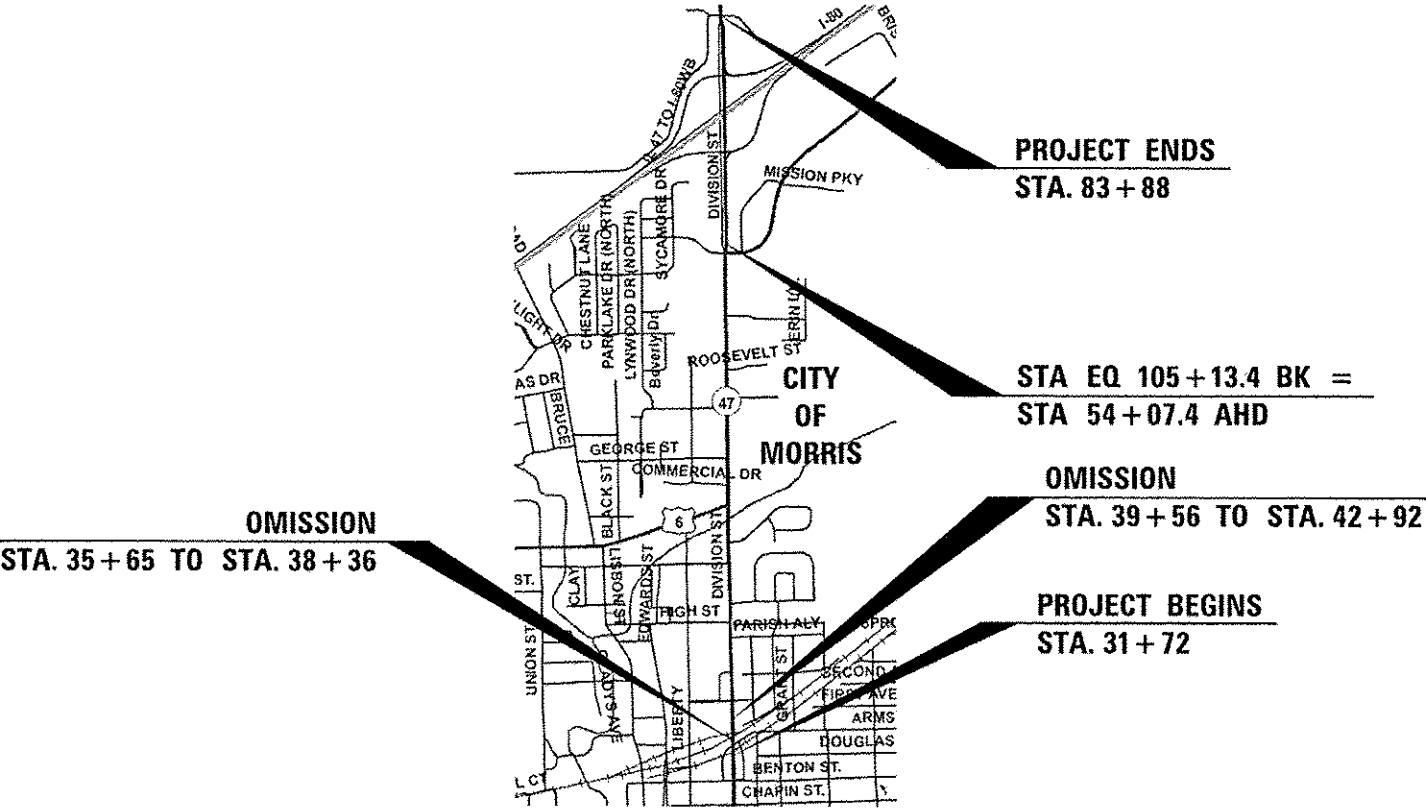
PROJECT ENGINEER: CRAIG REED, P.E.
UNIT CHIEF: BRAD DUNCAN, P.E.

CONTRACT NO. 66A76

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 326 (IL 47 & IL 47 /US 6)
SECTION (110 & 111) RS-4
PROJECT: ACNHPP-0326(095)
3P MILLING AND RESURFACING
WITH ADA RAMPS
GRUNDY COUNTY

C-93-033-11



GROSS LENGTH = 9202.4 FT. = 1.74 MILE
NET LENGTH = 9202.4 FT. = 1.74 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(110 & 111) RS-4	GRUNDY	33	1
ILLINOIS CONTRACT NO. 66A76				



FUNCTIONAL CLASSIFICATION: OTHER ARTERIAL
2013 ADT 30500
PV = 92.8% SU = 2.5% MU = 4.7%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED March 20 2015
Paul Lott
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 8 2015
D. D. Baranowski, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT
May 8 2015
Orin E. Conner, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

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.

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

MILLING OF EXISTING PAVEMENT AND PLACING OF HMA LEVEL BINDER SHALL BE COMPLETED IN A LANE PRIOR TO DOING WORK IN THE ADJACENT LANE.

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 EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

DETECTABLE WARNING SURFACES SHALL EXTEND 2.0 FT MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARES) OR BLENDED TRANSITIONS. SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION. THE CONCRETE BORDER SHALL NOT EXCEED 2 INCHES.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

DETECTOR LOOPS TO BE PLACED IN LEVELING BINDER.

GENERAL NOTES

DETECTOR LOOP SHALL HAVE FOUR TURNS.

ADVANCE DETECTOR LOOP SHALL HAVE SIX TURNS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
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
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	1	Kg / SQ M / APPLICATION

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. 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.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

R.E. SHALL CONTRACT TRAFFIC OPERATIONS ENGINEER PRIOR TO STARTING PAVEMENT MARKING OPERATIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Don Brown
DISTRICT STUDIES & PLANS ENGINEER

DATE: March 20, 2015

EXAMINED BY: Debra D. [Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME >	USER NAME > corcoranlm	DESIGNED >	REVISED >	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\p\idot\corcoranlm\d0244853\066A76-sh1-cover.dgn		DRAWN >	REVISED >									326	(110 & 111) RS-4	GRUNDY	33	2
	PLOT SCALE = 100,0000' / 1" =	CHECKED >	REVISED >									CONTRACT NO. 66A76				
	PLOT DATE > 3/17/2015	DATE >	REVISED >									ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED. 20% STATE
				ROADWAY
				0005 URBAN
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	625	625
Δ 78200300	PRISMATIC CURB REFLECTOR	EACH	80	80
78300100	PAVEMENT MARKING REMOVAL	SO FT	386	386
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	547	547
Δ 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	200	200
Δ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	450	450
Δ 87900200	DRILL EXISTING HANDHOLE	EACH	3	3
Δ 88500100	INDUCTIVE LOOP DETECTOR	EACH	3	3
Δ 88600100	DETECTOR LOOP, TYPE I	FOOT	3768	3768
Δ 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1
X5619210	WATER VALVES TO BE ADJUSTED, SPECIAL	EACH	1	1
Δ X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SO FT	614	614
Δ X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	10026	10026
Δ X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	5286	5286

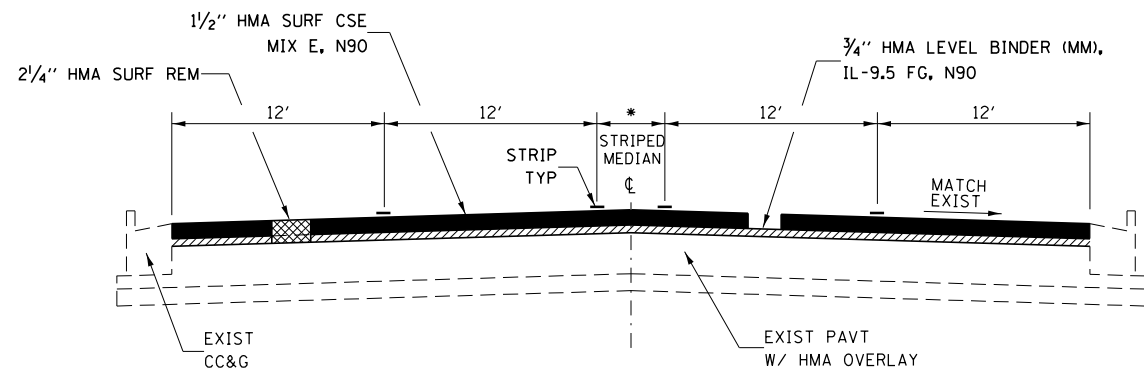
Δ SPECIALITY ITEM

FILE NAME =	USER NAME = corcoranlm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\p\idat\corcoranlm\2244853\050476-sht-500.dgn	PLT SCALE = 1/2" = 100'	DRAWN -	REVISED -					326	(110 & 111) RS-4	GRUNDY	33	7
	PLT DATE = 3/28/2015	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 66A76				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

				CONSTR. CODE	
				86% FED. 14% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0005	
				URBAN	
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	5368	5368	
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	649	649	
X8860100	LOOP DETECTOR TESTING	EACH	3	3	
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	168	168	

Δ SPECIALITY ITEM

FILE NAME =	USER NAME = ccorcoran	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\p\wdot\ccorcoran\m\g2244053\066A76-1\1-S00.dgn		DRAWN -	REVISED -		326	1110 & 1111 RS-4	GRUNDY	33	8					
PLOT SCALE = 1/8"=1'-0"		CHECKED -	REVISED -		CONTRACT NO. 66A76									
PLOT DATE = 3/28/2015		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOISIFIED, AID PROJECT			

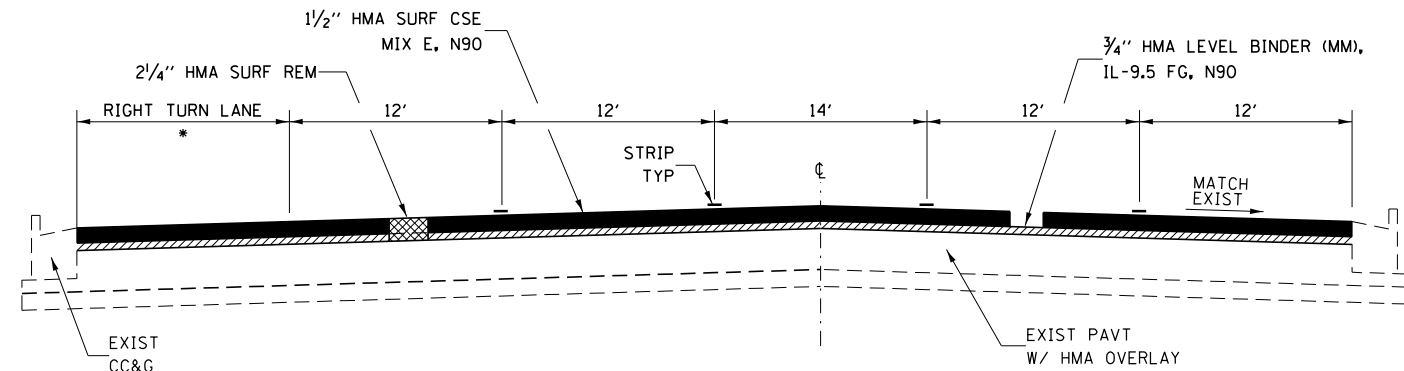


TYPICAL SECTION

STA 42+92 TO STA 58+85

STA 42+92 TO STA 46+52

* VARIES FROM 4' TO 12'

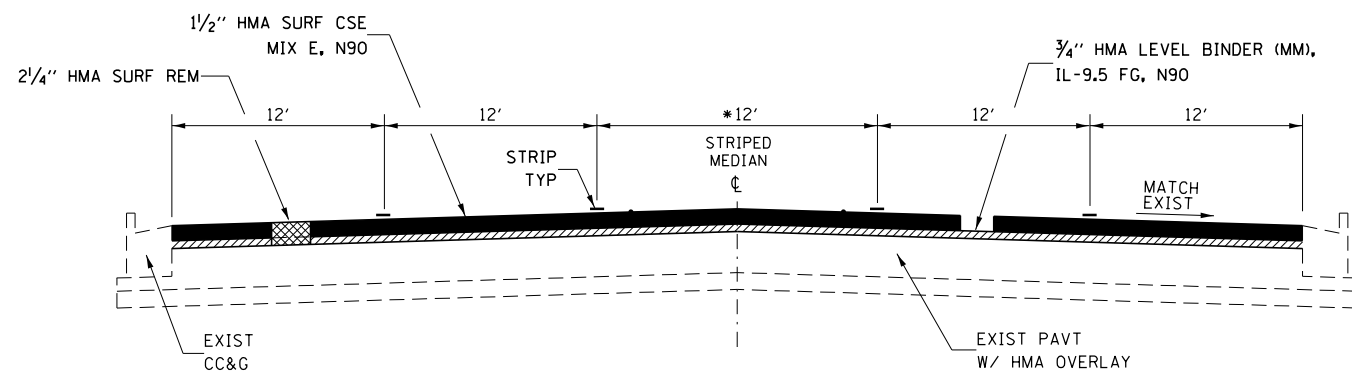


TYPICAL SECTION

STA 65+00 TO STA 71+09

* STA 67+58 TO STA 71+09 VARIES 12' TO 0'

MIXTURES TABLE		
	HMA LEVEL BINDER	HMA SURFACE
PG Grade	SBS PG 76-28	SBS PG 76-28
Design Air Voids	4.0% @ N90	4.0% @ N90
Mixture Composition	IL 9.5 FG	IL 9.5
Friction Aggregate		Mixture E
Density Test Method	Growth Curve	Cores
Mixture Weight	112 lb/ Sq. Yd./ In.	112 lb/ Sq. Yd./ In.
Quality Management Program	QC/QA	QCP
Sublot Size	N/A	1000
Locations(s)	N/A	Entire Project

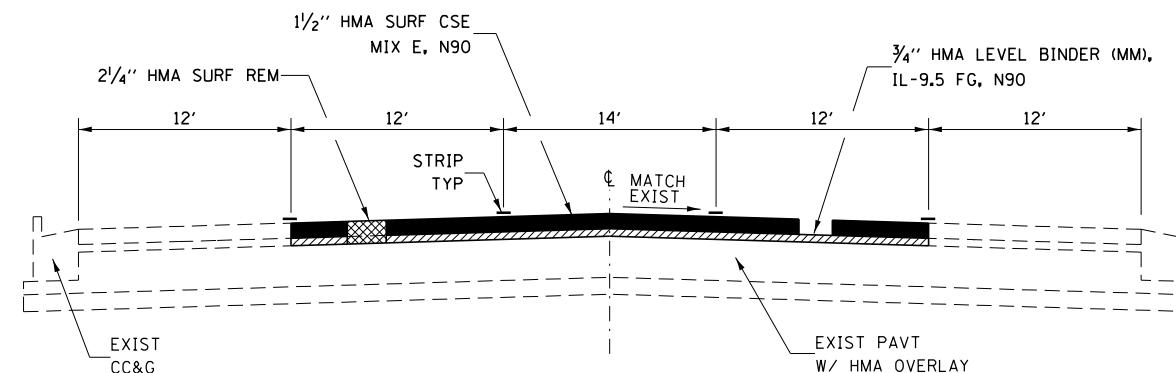


TYPICAL SECTION

STA 42+92 TO STA 58+85

* STA 58+85 TO STA 60+91

VARIES FROM 12' TO 14'



TYPICAL SECTION

STA 61+91 TO STA 65+00

STA 71+09 TO STA 97+26

FILE NAME = c:\pwork\pwork\corcoran\m\0244853\0366A76-sht-details.dgn	USER NAME = corcoranlm		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		DRAWN -	REVISED -					326	(110 & 111) RS-4	GRUNDY	33	9
	PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 66A76				
	PLOT DATE = 3/20/2015		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE												
STATION TO STATION	AREA	HMA SURF REM 2-1/4"	HMA SURF REM 1-1/2"	* HMA SURF REM 1-1/4"	BIT MATL (PRM CT)	LEVEL BINDER (HM) N90	MIX FOR CRACKS, JOINTS, & FLGWYS	LEVEL BINDER (MM) IL9.5 FG, N90	HMA SURF CSE MIX "E", N90	TEMP RAMP	SHORT TERM PAVT MARKING	WORK ZONE PVMT MARK REM
	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	TON	TON	SQ YD	FOOT	SQ FT
31+72 TO 35+65	2096			2096	944				177		158	18
35+65 TO 38+36	OMISSION											
38+36 TO 39+56	640			640	288				54		24	3
39+56 TO 42+92	OMISSION											
42+92 TO 46+52	2240	2240			1512	2	1	95	189	73	648	72
46+52 TO 58+85	8220	8220			5549	5	3	346	691		4601	512
58+85 TO 60+91	1396	1396			943	1	1	59	118		371	42
60+91 TO 67+58	3755	3755			2535	2	2	158	316	68	3871	431
67+58 TO 71+09	2836	2836			1915	2	1	120	239		1892	211
71+09 TO 97+26	11865	11049	816		8009	6	4	465	997	158	6115	680
US ROUTE 6 (66+33)	1540	1540			1040	1	1	85	170	74	4163	694
TOTAL		31036	816	2736	22735	19	13	1328	2951	373	21843	2663

* WORK WILL BE DONE ON STRUCTURES 032-0086 AND 032-0087. THE CONTRACTOR WILL REMOVE 1 1/4" OF HMA SURFACE AND PLACE HMA SURFACE COURSE PRIOR TO OPENING THE LANE TO TRAFFIC. THE CONTRACTOR MUST ENSURE THAT NO DAMAGE IS DONE TO THE EXISTING WATER PROOFING SYSTEM. ANY DAMAGE TO THE WATER PROOFING SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE

PATCHING SCHEDULE - FAP ROUTE 326 (IL 47) NORTHBOUND LANES																
LOCATION BY STATION	LEFT TURN LANE	PASS LANE	DRIVE LANE	RIGHT TURN LANE	LEFT TURN LANE			PASSING LANE			DRIVING LANE			RIGHT TURN LANE		
					CLASS B PATCHING TYPE II	DOWEL BARS	SAW CUTS	CLASS B PATCHING TYPE II	DOWEL BARS	SAW CUTS	CLASS B PATCHING TYPE II	DOWEL BARS	SAW CUTS	CLASS B PATCHING TYPE II	DOWEL BARS	SAW CUTS
	(FT)	(FT)	(FT)	(FT)	SO YD	EACH	FOOT	SO YD	EACH	FOOT	SO YD	EACH	FOOT	SO YD	EACH	FOOT
	99+55	6	6	6	6	8	20	48	8	20	48	8	20	48	8	20
100+48	6	6	6	6	8	20	48	8	20	48	8	20	48	8	20	48
105+13.4 BK/ 54+07.4 AHD 69+43 TO 71+97	STATION EQUATION															
	BRIDGE OMISSION															
NORTHBOUND TOTALS					16	40	96	16	40	96	16	40	96	16	40	96

PATCHING SCHEDULE - FAP ROUTE 326 (IL 47) SOUTHBOUND LANES																
LOCATION BY STATION	LEFT TURN LANE	PASS LANE	DRIVE LANE	RIGHT TURN LANE	LEFT TURN LANE			PASSING LANE			DRIVING LANE			RIGHT TURN LANE		
					CLASS B PATCHING TYPE II	DOWEL BARS	SAW CUTS	CLASS B PATCHING TYPE II	DOWEL BARS	SAW CUTS	CLASS B PATCHING TYPE II	DOWEL BARS	SAW CUTS	CLASS B PATCHING TYPE II	DOWEL BARS	SAW CUTS
	(FT)	(FT)	(FT)	(FT)	SQ YD	EACH	FOOT	SQ YD	EACH	FOOT	SQ YD	EACH	FOOT	SQ YD	EACH	FOOT
99+05																
99+05		6	6													
99+55		6	6													
100+34		6	6					8	20	48	8	20	48			
100+48		6	6					8	20	48	8	20	48			
101+10		6	6					8	20	48	8	20	48			
105+13.4 BK/ 54+07.4 AHD	STATION EQUATION															
63+38		6						8	20	48						
64+18			6								8	20	48			
64+26		6						8	20	48						
69+43 TO 71+97	BRIDGE OMISSION															
78+44		6	6	6				8	20	48	8	20	48	8	20	48
82+90		6	6					8	20	48	8	20	48			
SOUTHBOUND TOTALS								64	160	384	56	140	336	8	20	48

CURB & SIDEWALK SCHEDULE													
DESCRIPTION	COMB CURB & GUTTER REM	SIDEWALK REM	CCC&G TYPE B-6.24	PCC SIDEWALK 4"	DETECTABLE WARNING	INLET ADJ. WITH F&G TYPE 3	MANHOLES TO BE ADJUSTED	FURNISHED EXAC	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET
	FOOT	SQ FT	FOOT	SQ FT	SQ FT	EACH	EACH	CU YD	ACRE	POUND	POUND	POUND	SQ YD
HIGH ST													
NW QUAD	36	187	36	200	20			0.5	0.01	1	1	1	18
SW QUAD	31	117	31	130	20			0.5	0.01	1	1	1	14
NE QUAD	32	158	32	168	28		1						
SE QUAD	31	162	31	172	28			0.5	0.01	1	1	1	12
MCKINLEY ST.													
NE QUAD	18	153	18	162	14			0.5	0.01	1	1	1	6
SE QUAD	30	127	30	137	14								
WAVERLY ST.													
NW QUAD	41	265	41	280	12								
SW QUAD	31	114	31	124	12			0.5	0.01	1	1	1	11
MAPLE DR.													
NE QUAD	29	167	29	167	10								
SE QUAD	26	92	26	92	12								
US RTE 6													
NW QUAD	21	158	21	158	10		1	0.5	0.01	1	1	1	10
SW QUAD	20	113	20	113	10			0.5	0.01	1	1	1	10
SE QUAD	28	373	28	373	10			0.5	0.01	1	1	1	5
COMMERCIAL DR													
SW QUAD	25	94	25	103	10			0.5	0.01	1	1	1	4
GEORGE ST.													
NW QUAD	27	184	27	199	10			0.5	0.01	1	1	1	13
SW QUAD	22	93	22	103	10								
NE QUAD	20	155	20	155	20								
SE QUAD	25	197	25	197	10								
BRENTWOOD DR.													
NW QUAD	33	108	33	119	12	1		0.5	0.01	1	1	1	5
SW QUAD	25	81	25	90	12								
HOOVER ST.													
NE QUAD	32	123	32	123	10		1						
SE QUAD	32	131	32	140	10			0.5	0.01	1	1	1	7
ROOSEVELT ST.													
NE QUAD	12	87	12	102	10		1	0.5	0.01	1	1	1	8
SE QUAD	26	136	26	136	12			0.5	0.01	1	1	1	11
TOTALS	653	3575	653	3743	326	1	4	7	0.14	14	14	14	134

NOTE:ALL ADA RAMP WORK IS TO BE COMPLETED PRIOR TO MILLING.
THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THIS WORK.
ALL ADA SIDEWALK QUANTITIES ARE BASED ON A 5' SIDEWALK WITH 6" CURBS.
ALL EXCAVATED MATERIAL SHOULD REMAIN ON SITE.

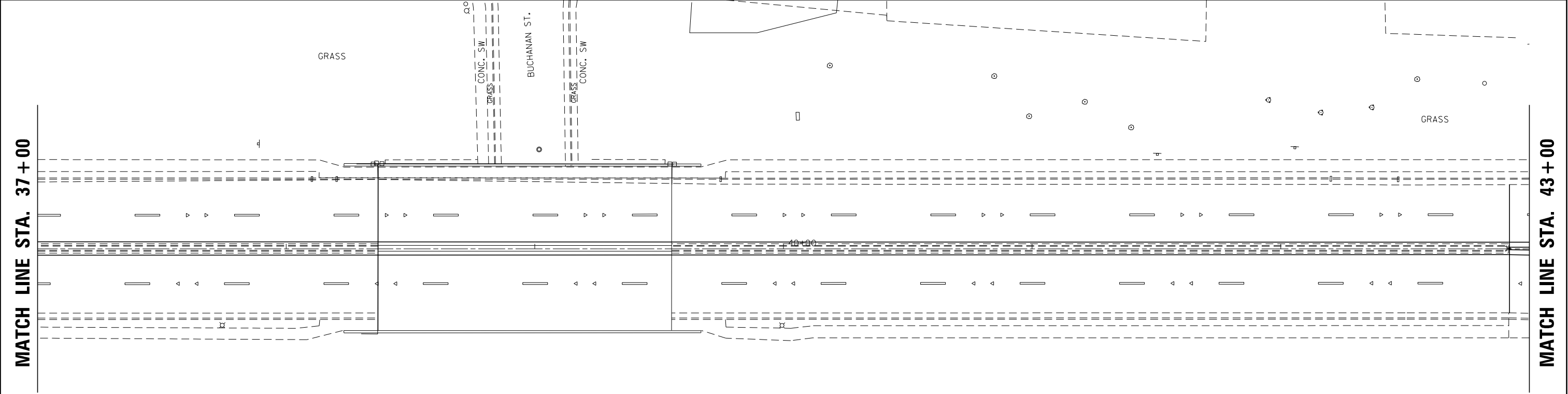
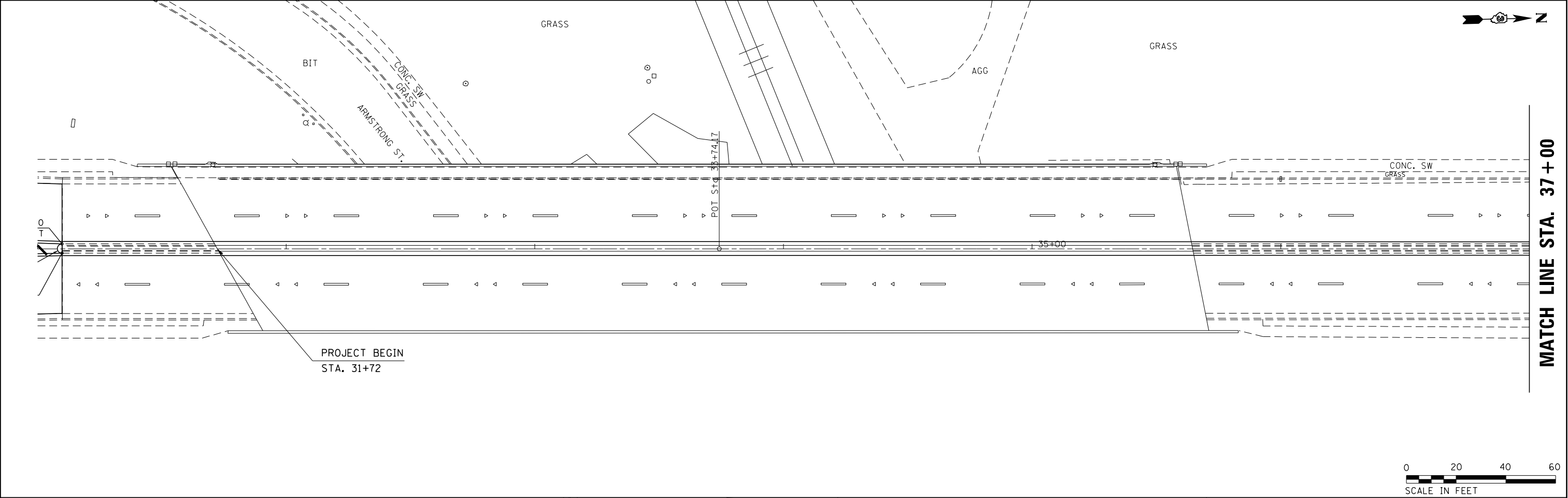
PAVEMENT MARKING SCHEDULE																	
STATION TO STATION			THERMOPLASTIC PAVEMENT MARKING							PREFORMED PL PVT MARK, TY B	GROOVING FOR RECESSED PAVEMENT MARKING			RAISED REFL PAVEMENT MARKER		RAISED REFL PAVT MARKER REMOVAL	
			YELLOW 4''	WHITE 6''	YELLOW 6''	WHITE 8''	WHITE 12''	YELLOW 12''	WHITE 24''	LETTERS & SYMBOLS	WHITE 6''	7''	9''	25''	CRYSTAL EACH	AMBER EACH	EACH
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT			
31+72	TO	35+65	786							200	200			10		10	
35+65	TO	38+36	OMISSION														
38+36	TO	39+56	240							60	60			10		10	
39+56	TO	42+92	OMISSION														
42+92	TO	52+80	2382	268	140	170	270	91	72	140.4	420	688	170	72	54	44	98
52+80	TO	61+36	1474		400					156	360	360			36	36	72
61+36	TO	66+33	822	124		350	132			78	200	324	350	36	29	22	51
66+33	TO	71+09	928		200	374				109.2	200	200	374	24	30	32	62
71+09	TO	97+26	4588	248	1160		264		62	343.2	1140	1388		62	119	110	229
US RTE 6 (WEST)			274	166		552	333		67	109.2		166	552	67	7	8	15
HIGH ST. (LT)				88			90		19								
HIGH ST. (RT)				112			114		20								
MCKINLEY ST.				94					18								
WAVERLY ST.				112					20								
MAPLE DR.				162					20								
GEORGE ST.			44	116		20	120		29								
BRENTWOOD DR.				100					20								
HOOVER ST.				100					20								
ROOSEVELT ST.				104					20								
SUB TOTAL			11538	1794	1900	1466	1323	91	447	936	2580	3386	1446	261	295	252	547
TOTAL			11538	3694		1466	1414		447	936	2580	3386	1446	261	547		547

POLYUREA PAVEMENT MARKING SCHEDULE																				
STATION TO STATION			POLYUREA PAVEMENT MARKING				PREFORMED PLASTIC PAVEMENT MARKING, TY B			GROOVING FOR RECESSED PAVEMENT MARKING					PAVEMENT MARKING REMOVAL	RAISED REFL PAVEMENT MARKER		PRISMATIC CURB REFLECTOR		
			WHITE 4"	YELLOW 4"	WHITE 6"	WHITE 8"	WHITE 12"	YELLOW 12"	WHITE 24"	LETTERS & SYMBOLS	WHITE 6"	5"	7"	9"		25"	LETTERS & SYMBOLS		CRYSTAL	AMBER
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT		SQ FT	SQ FT			
97+26	TO	102+10		1252		456		84	36	109.2	220	1252	220	456	36	109.2	84	9	5	
102+10	TO	105+13		596		220		2	36	46.8	120	596	120	220	36	46.8	2	5	4	
54+07	TO	65+20		2464		404		54	24	46.8	560	2464	560	404	24	46.8	54	16	2	30
65+20	TO	76+00	2100	1752		1257			84	186.4	460	3852	460	1257	84	186.4		18		25
76+00	TO	84+64		1562		948			72	140.4	360	1562	360	948	72	140.4		15		25
US RTE 6 (EAST)				200		335	97		68	41.6		200		335	68	41.6	97	1	1	
GREEN ACRES DR				100	280	302	149		68	42.7		100	180	302	68	42.7	149	1	1	
SUB TOTAL			2100	7926	280	3922	246	140	388	613.9	1720	10026	1900	3922	388	613.9	386	65	13	80
TOTAL			10026		280	3922	386		388	613.9	1720	10026	1900	3922	388	613.9	386	78		80

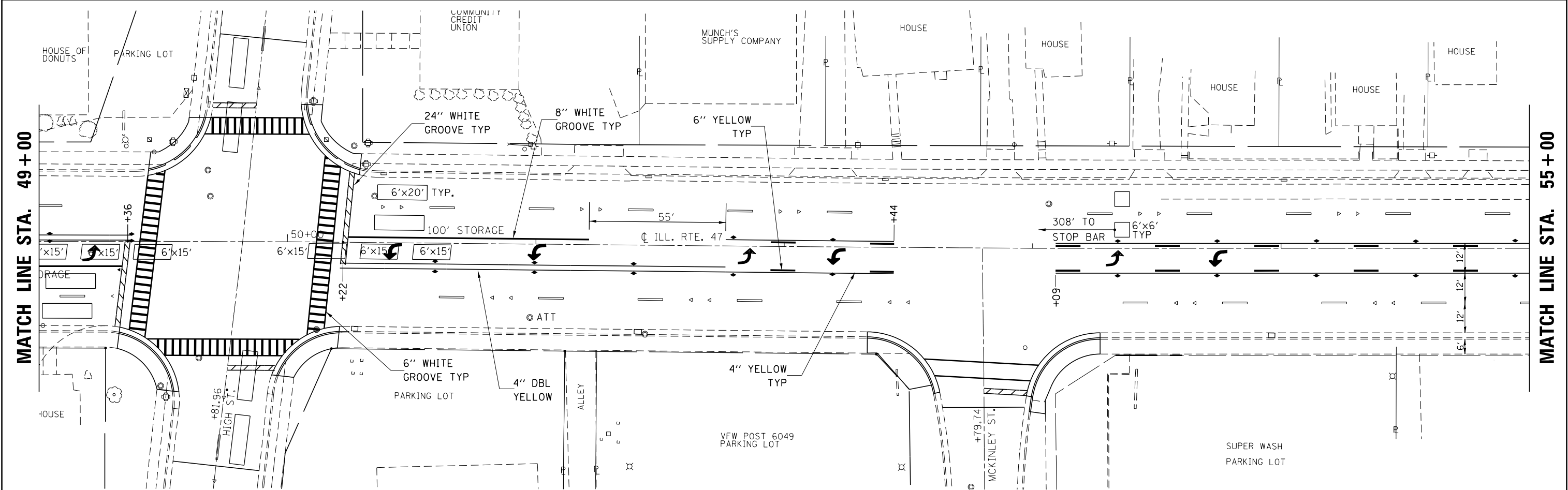
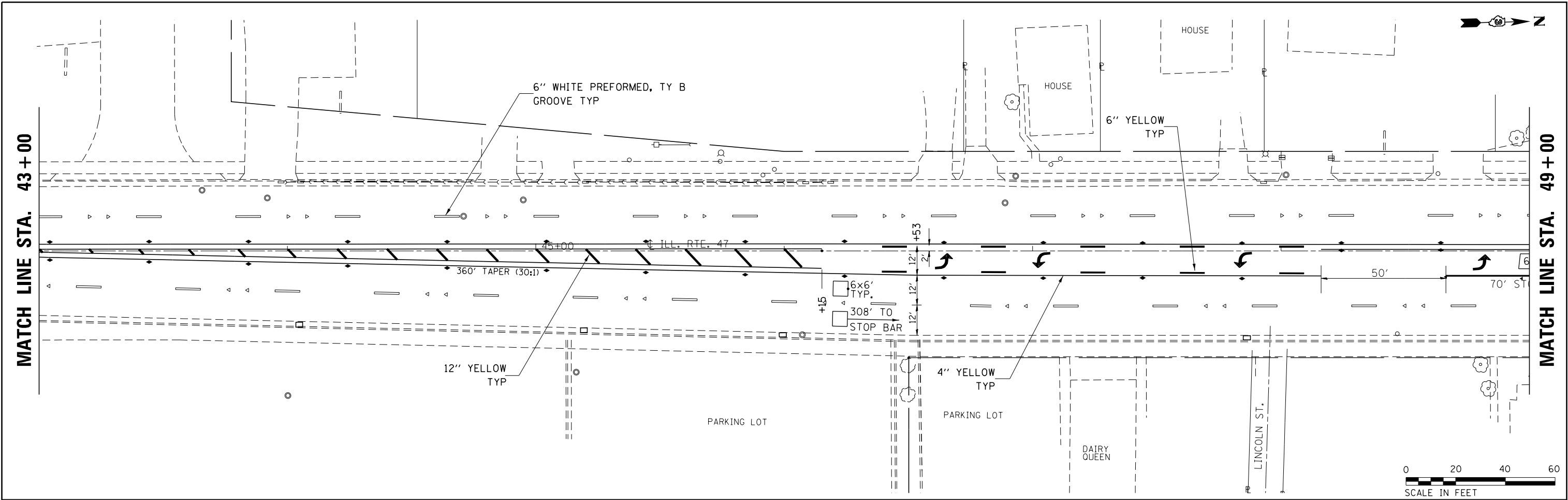
TEMPORARY PAVEMENT MARKING SCHEDULE										
STATION TO STATION			PAINT PAVEMENT MARKING							
			YELLOW 4"	WHITE 6"	YELLOW 6"	WHITE 8"	WHITE 12"	YELLOW 12"	WHITE 24"	LETTERS & SYMBOLS
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
42+92	TO	52+80	4764	1376	280	340	540	182	144	280.8
52+80	TO	61+36	2948	720	800					312
61+36	TO	66+33	1644	648		700	264		72	156
66+33	TO	71+09	1856	400	400	748			48	218.4
71+09	TO	97+26	9176	2776	2320		528		124	686.4
US RTE 6 (WEST)			548	332		1104	666		134	218.4
HIGH ST. (LT)				176			180		38	
HIGH ST. (RT)				224			228		40	
MCKINLEY ST.				188					36	
WAVERLY ST.				224					40	
MAPLE DR.				324					40	
GEORGE ST.			88	232		40	240		58	
BRENTWOOD DR.				200					40	
HOOVER ST.				200					40	
ROOSEVELT ST.				208					40	
SUB TOTALS			21024	8228	3800	2932	2646	182	894	1872
TOTALS			21024	12028		2932	2828		894	1872

SIDEROAD SCHEDULE									
STATION	RT/LT	DESCRIPTION	AREA	HMA SURF REM 1-1/2"	BIT MATL (PRM CT)	TEMP RAMP	INC HMA SURF	SHORT TERM PAVT MARKING	WORK ZONE PVMT MARK REM
			SQ YD	SQ YD	POUND	SQ YD	TON	FOOT	SQ FT
49+82	LT	HIGH ST.	275	275	124	20	24	216	24
49+82	RT	HIGH ST.	273	273	123	20	23	216	24
52+80	RT	MCKINLEY ST.	162	162	73	19	14	216	24
58+28	LT	WAVERLY ST.	168	168	76	20	15	216	24
61+36	RT	MAPLE DR.	166	166	75	19	14	216	24
73+12	LT	GEORGE ST.	330	330	149	21	28	216	24
80+34	LT	BRENTWOOD DR.	167	167	76	22	15	216	24
81+67	RT	HOOVER ST.	170	170	77	20	15	216	24
85+59	RT	ROOSEVELT ST.	174	174	79	20	15	216	24
TOTAL				1885	852	181	163	1944	216

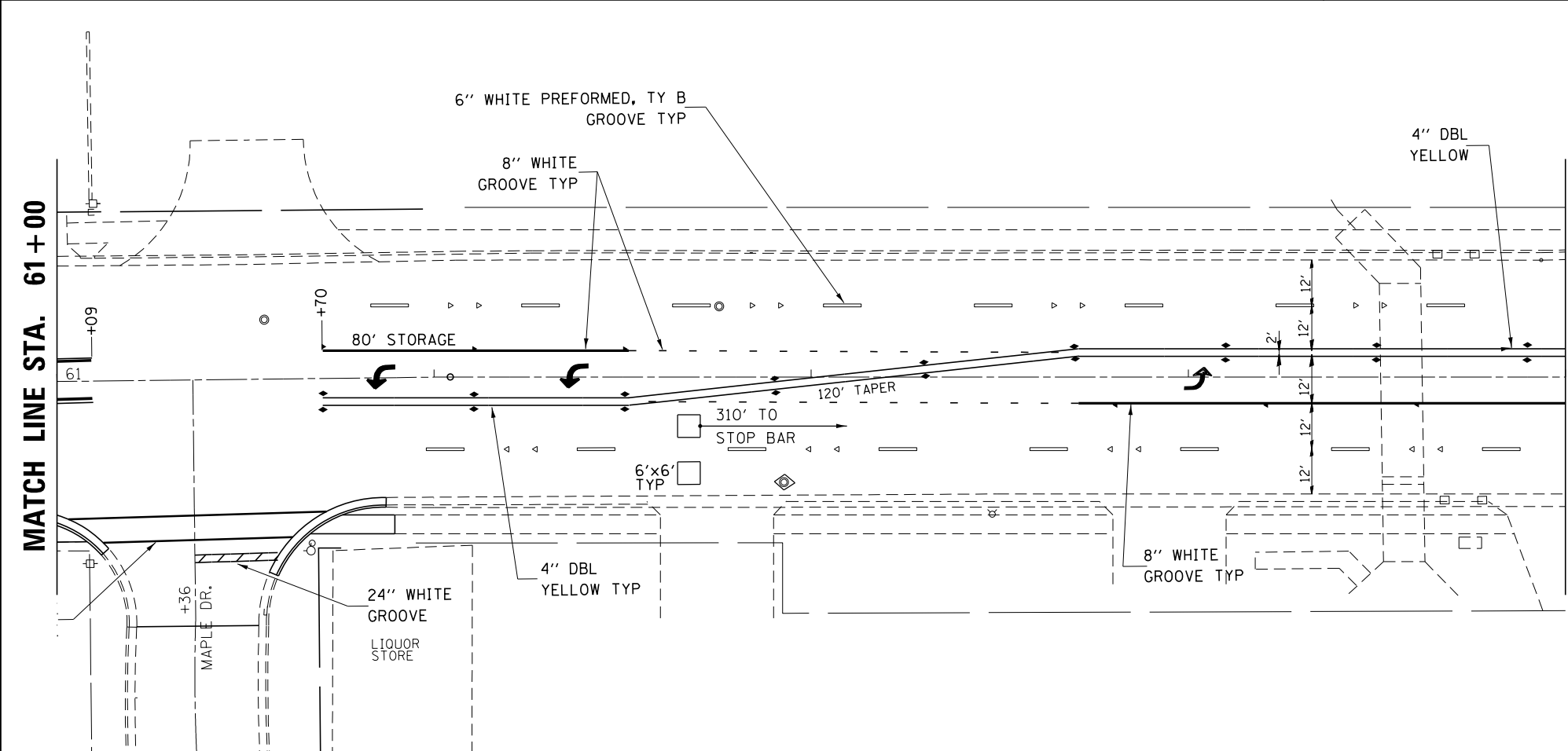
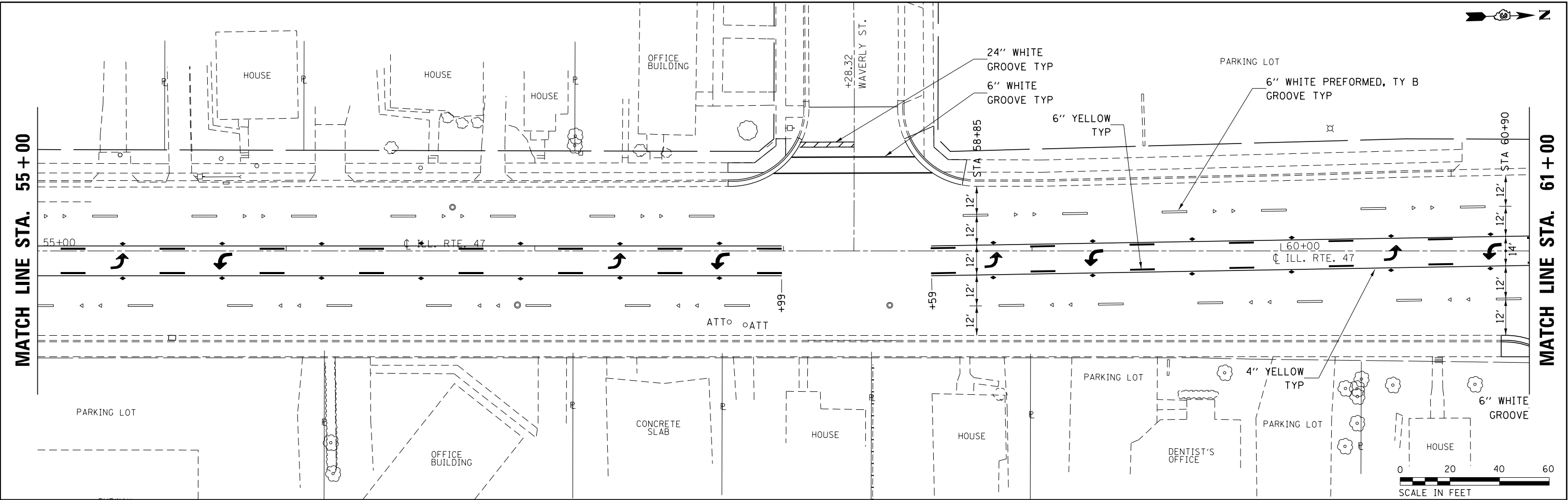
MANHOLE ADJUSTMENT			
STATION	SIDE	MANHOLES TO BE ADJUSTED W/ NEW TY 1 FR. CL	WATER VALVE TO BE ADJ SPECIAL
		EACH	EACH
43+65	SB	1	
43+92	SB	1	
44+72	SB	1	
44+86	SB	1	
46+90	SB	1	
49+68	SB	1	
49+69	SB	1	
50+36	SB	1	
54+08	SB	1	
56+68	SB	1	
56+92	NB	1	
58+44	NB	1	
61+58	SB	1	
62+76	SB	1	
66+86	SB	1	
67+66	SB	1	
68+82	SB	1	
70+94	NB	1	
72+82	NB/SB	2	
73+18	NB/SB	2	
77+12	NB	1	
79+28	NB	1	
81+58	NB	1	
84+82	SB	1	
85+31	NB	1	
86+43	SB	1	
87+18	SB	1	
96+69	NB		1
TOTAL		29	1



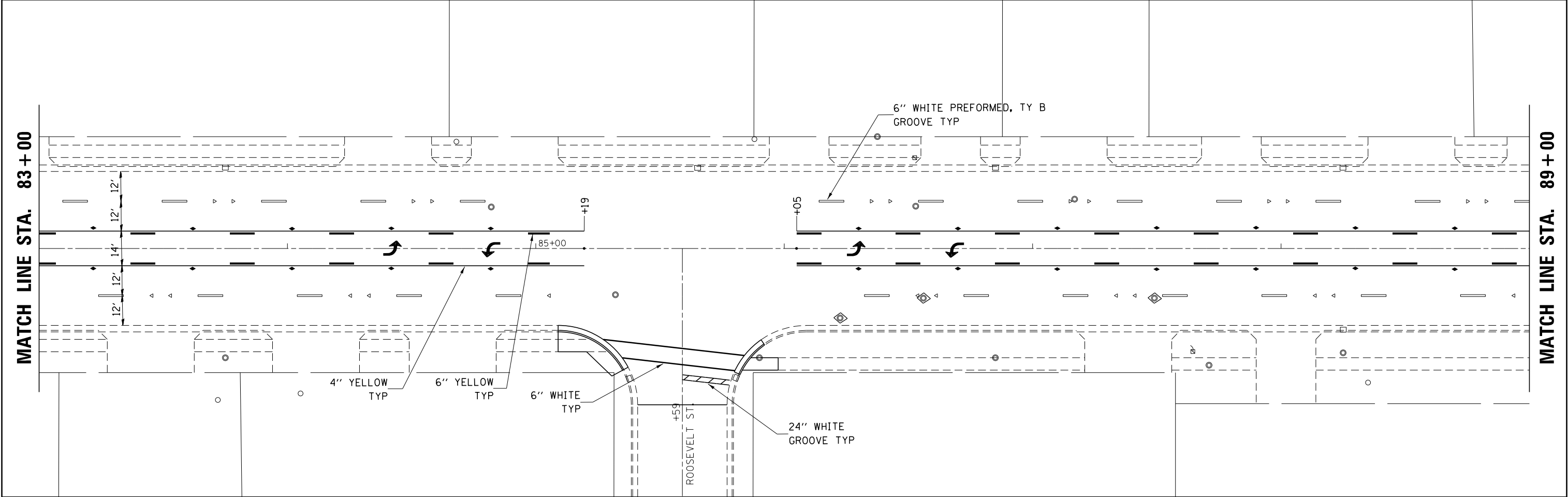
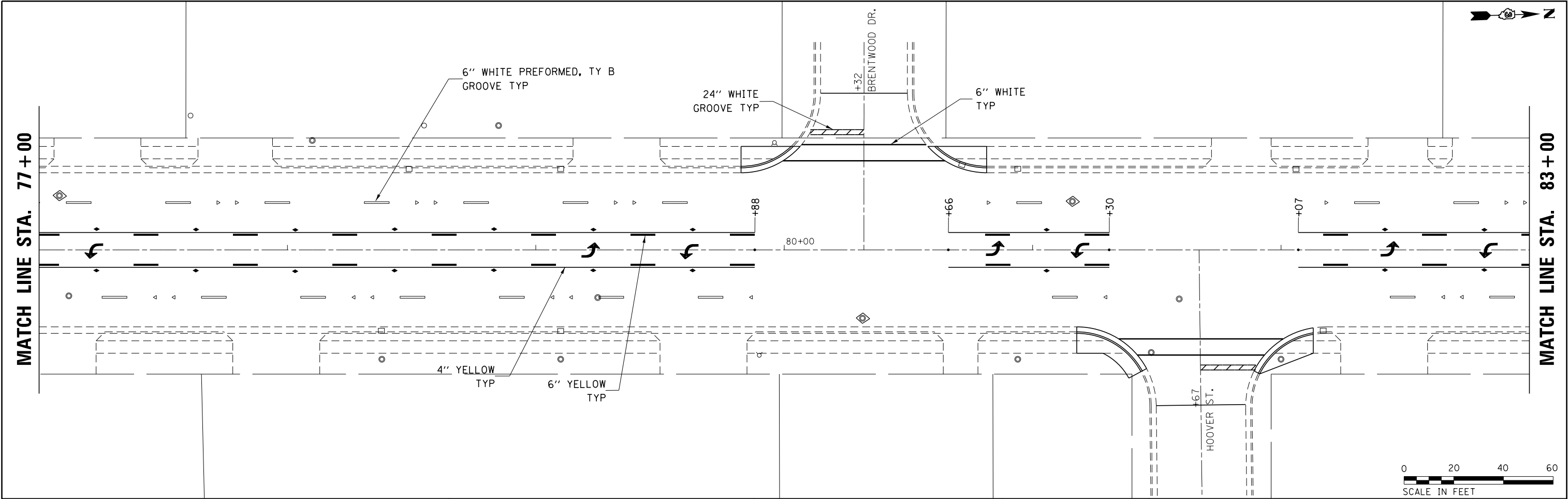
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	PLOT DATE = 3/20/2015	CHECKED -	REVISED -		SCALE: 1"=20' SHEET 1 OF SHEETS STA. TO STA.			CONTRACT NO. 66A76				
	MODELNAME	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

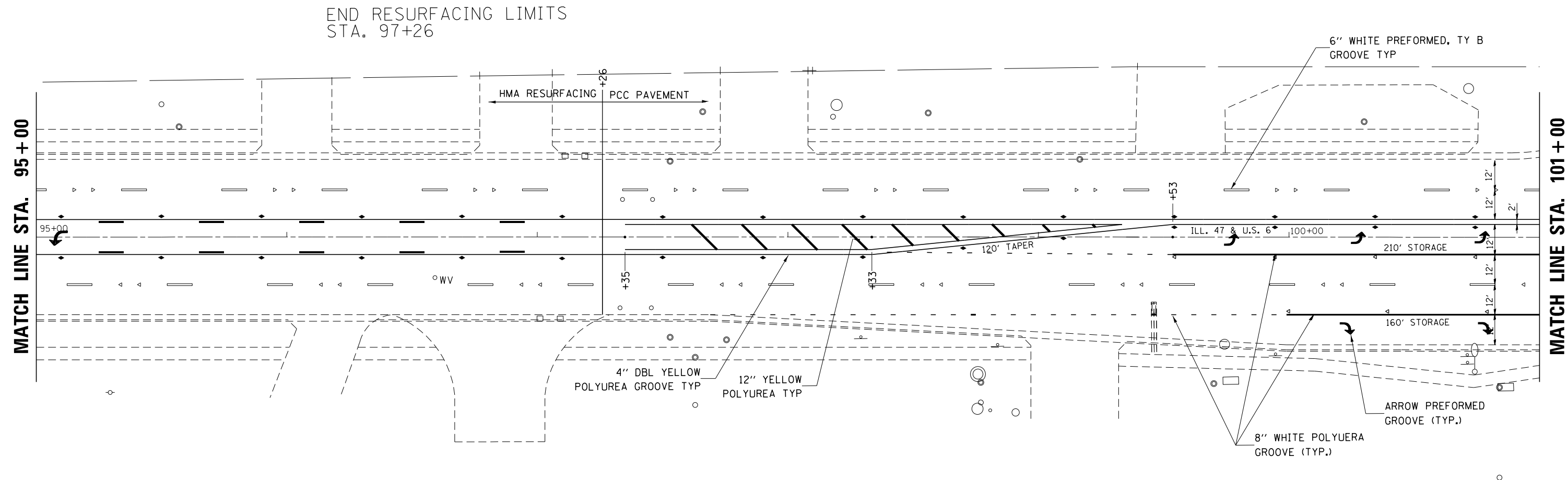
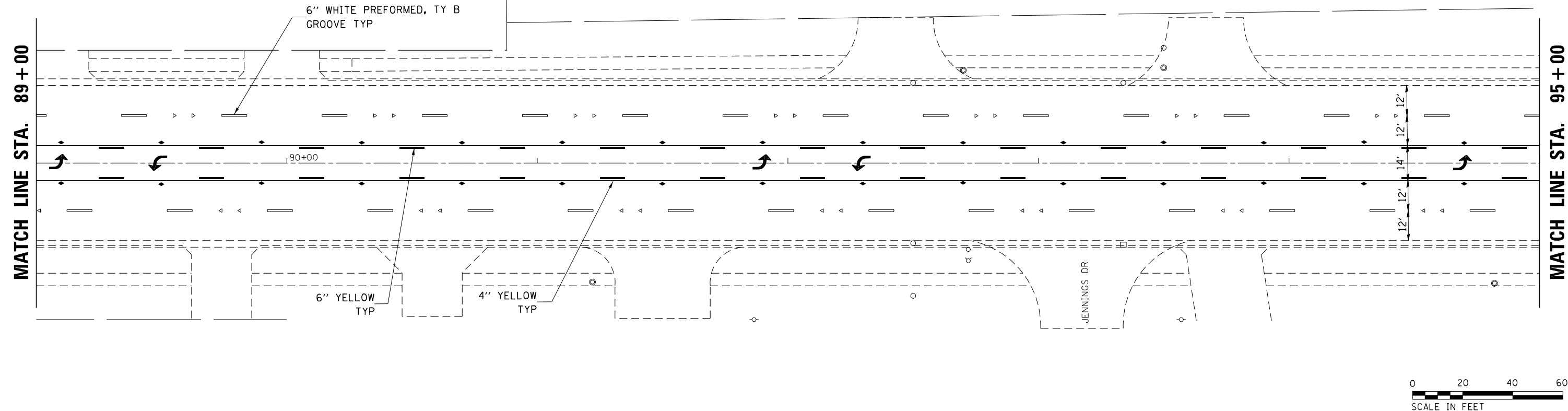
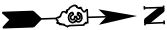


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\$MODELNAME\$	PLOT DATE = 3/20/2015	DATE -	REVISED -		SCALE: 1"=20'	SHEET 2 OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

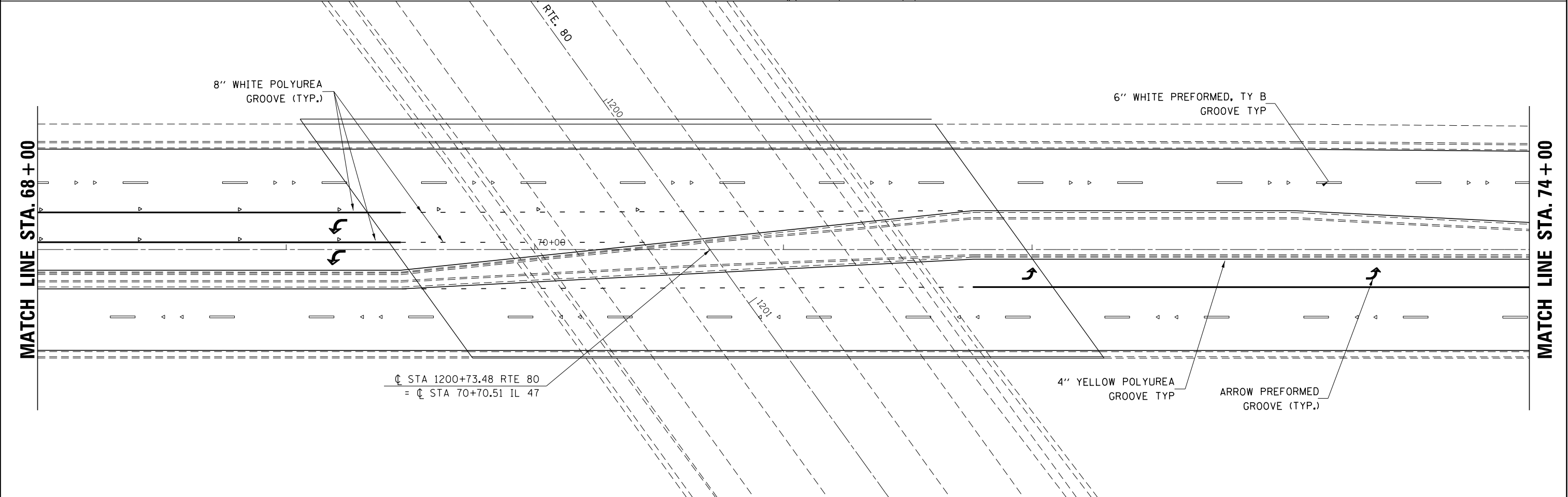
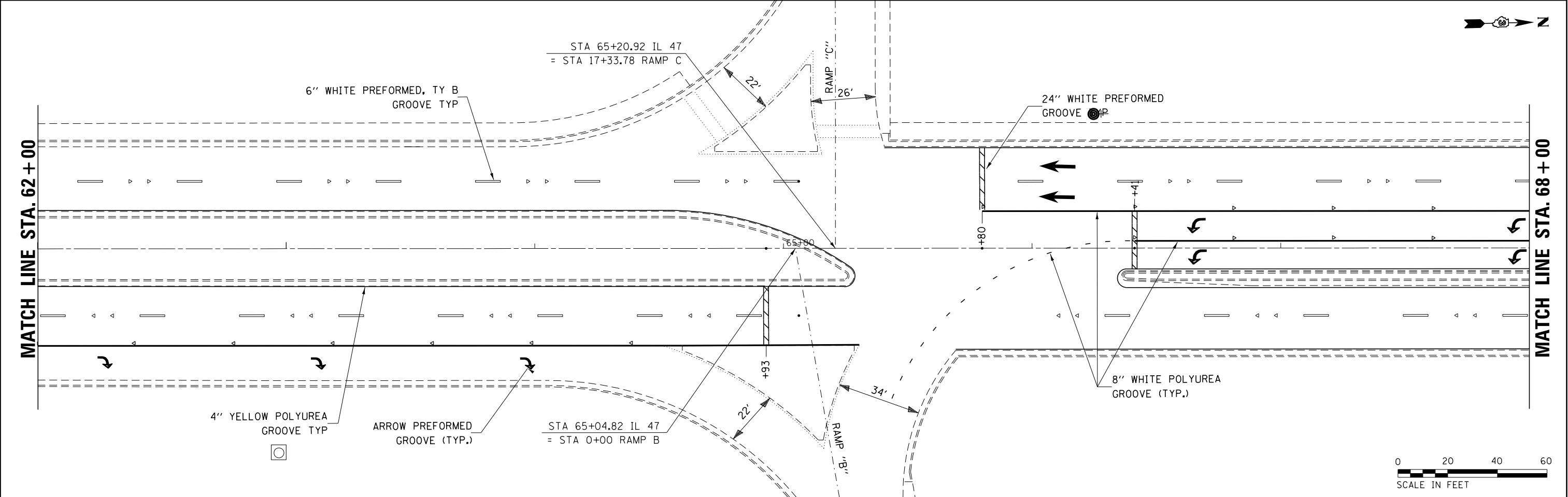


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PLOT SCALE = 40.0000' / in.		PLOT DATE = 3/20/2015	DRAWN -	REVISED -					CONTRACT NO. 66A76				
			CHECKED -	REVISED -					ILLINOIS FED. AID PROJECT				
MODELNAME			DATE -	REVISED -									
							SCALE: 1"=20'	SHEET 3 OF SHEETS	STA.	TO STA.			

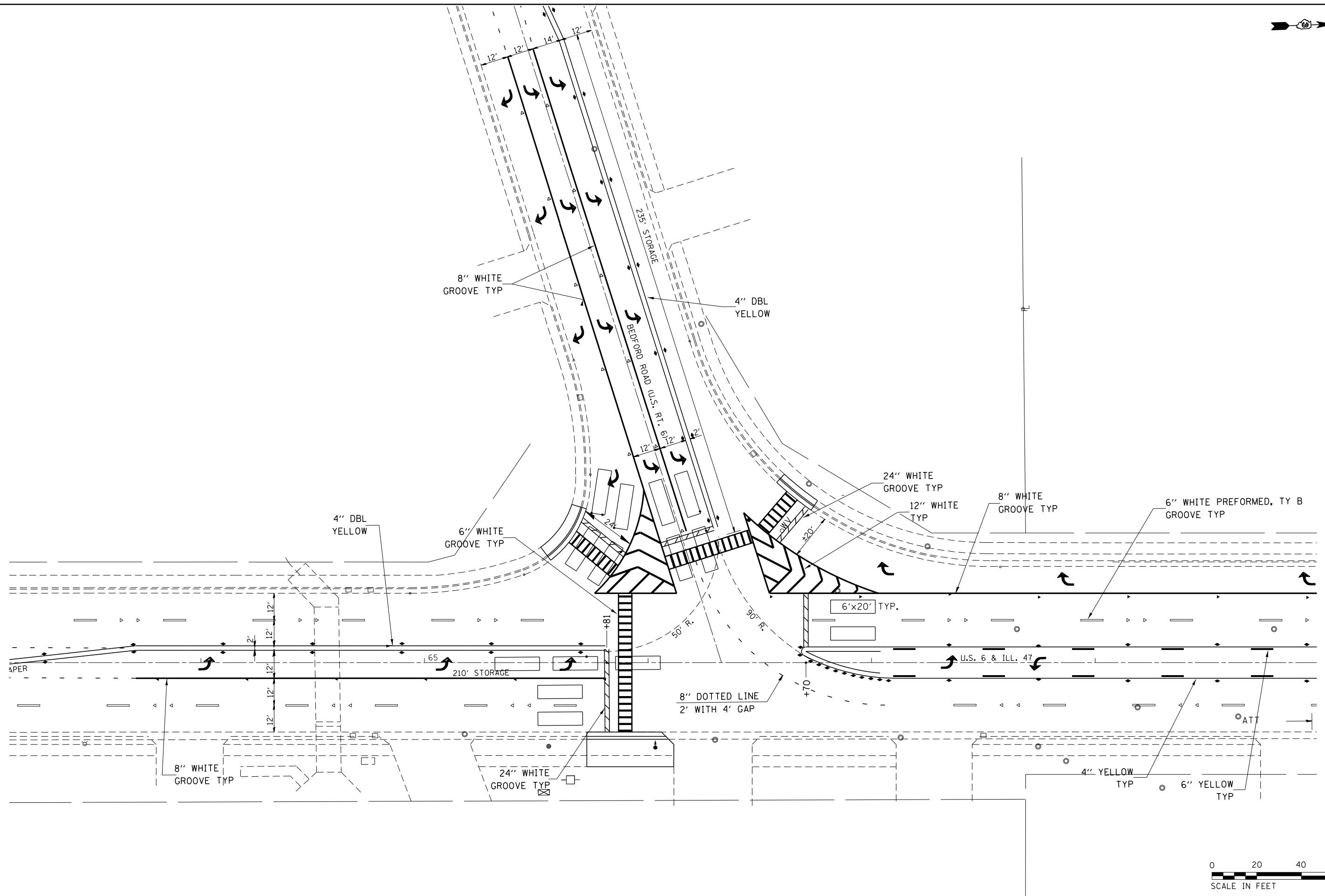
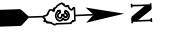




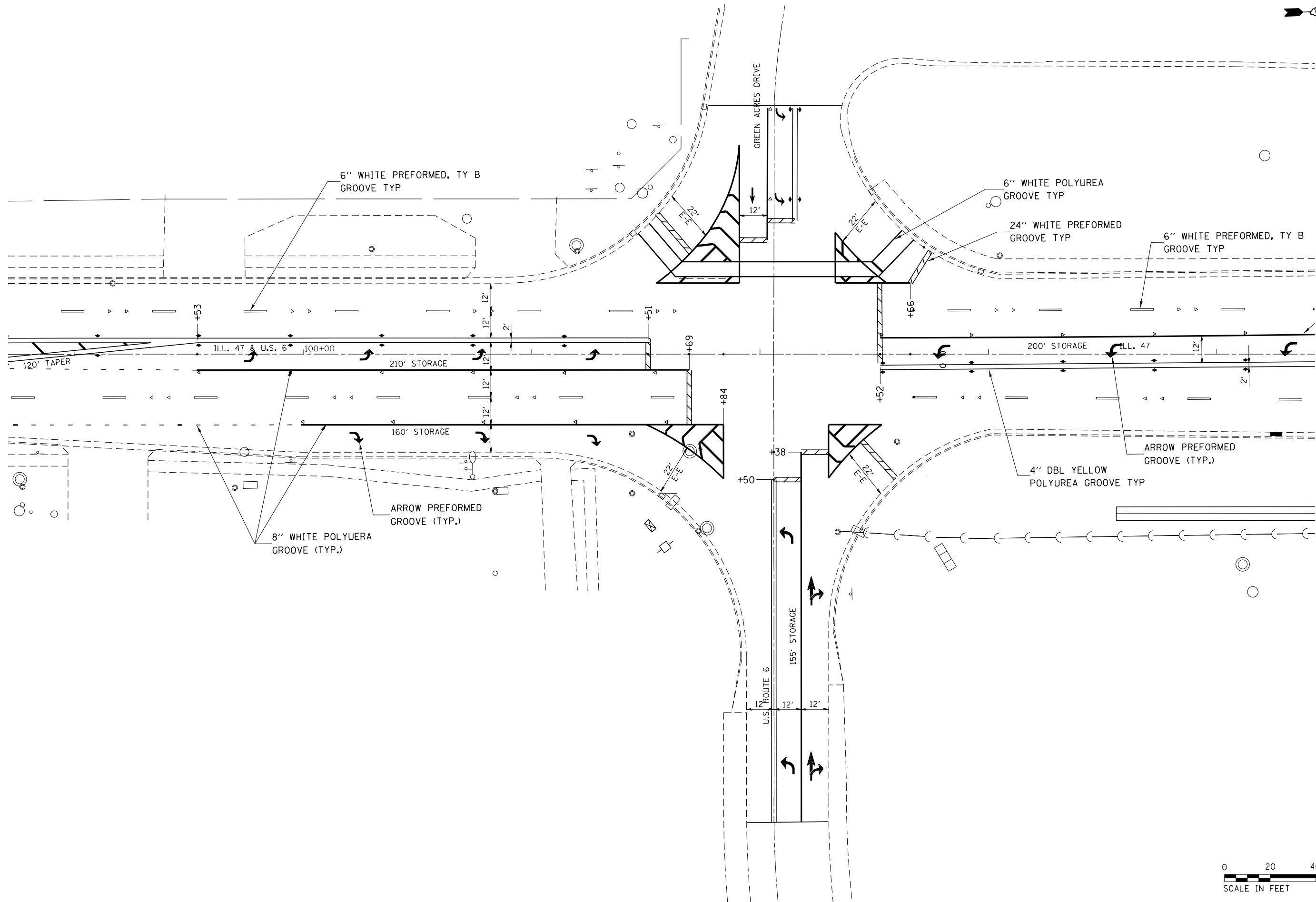
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	PLOT DATE = 3/20/2015	DATE -	REVISED -										
MODELNAME													
				SCALE: 1"=20'	SHEET 6	OF	SHEETS	STA.	TO STA.		CONTRACT NO. 66A76		
				ILLINOIS FED. AID PROJECT									



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										ILLINOIS FED. AID PROJECT			



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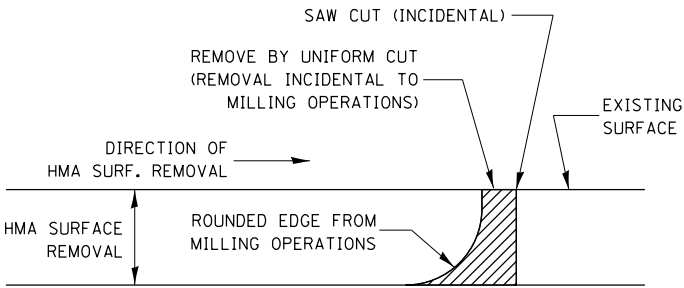
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW

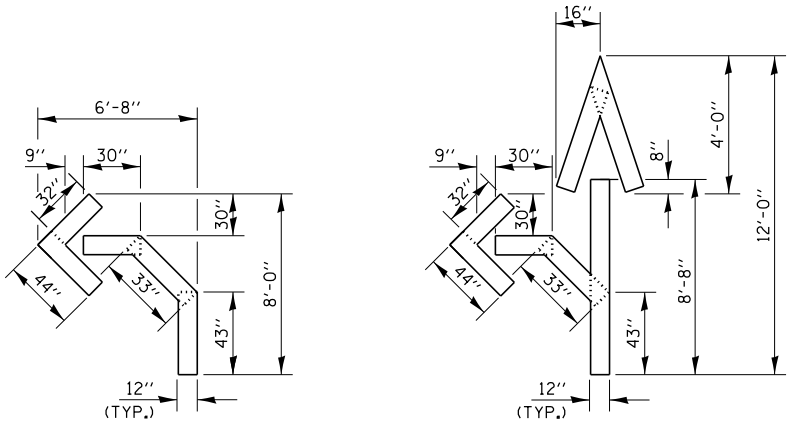
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(110 & 111) RS-4	GRUNDY	33	24
CONTRACT NO. 66A76				
ILLINOIS FED. AID PROJECT				



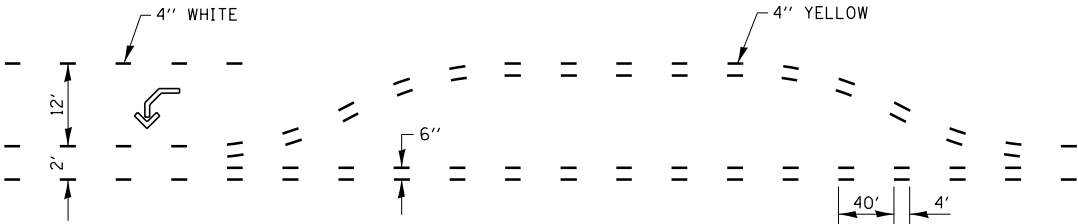
NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
THEN A SAW CUT SHALL BE USED TO MANUFACTURE
A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
THE ENGINEER SHALL BE THE SOLE JUDGE
CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



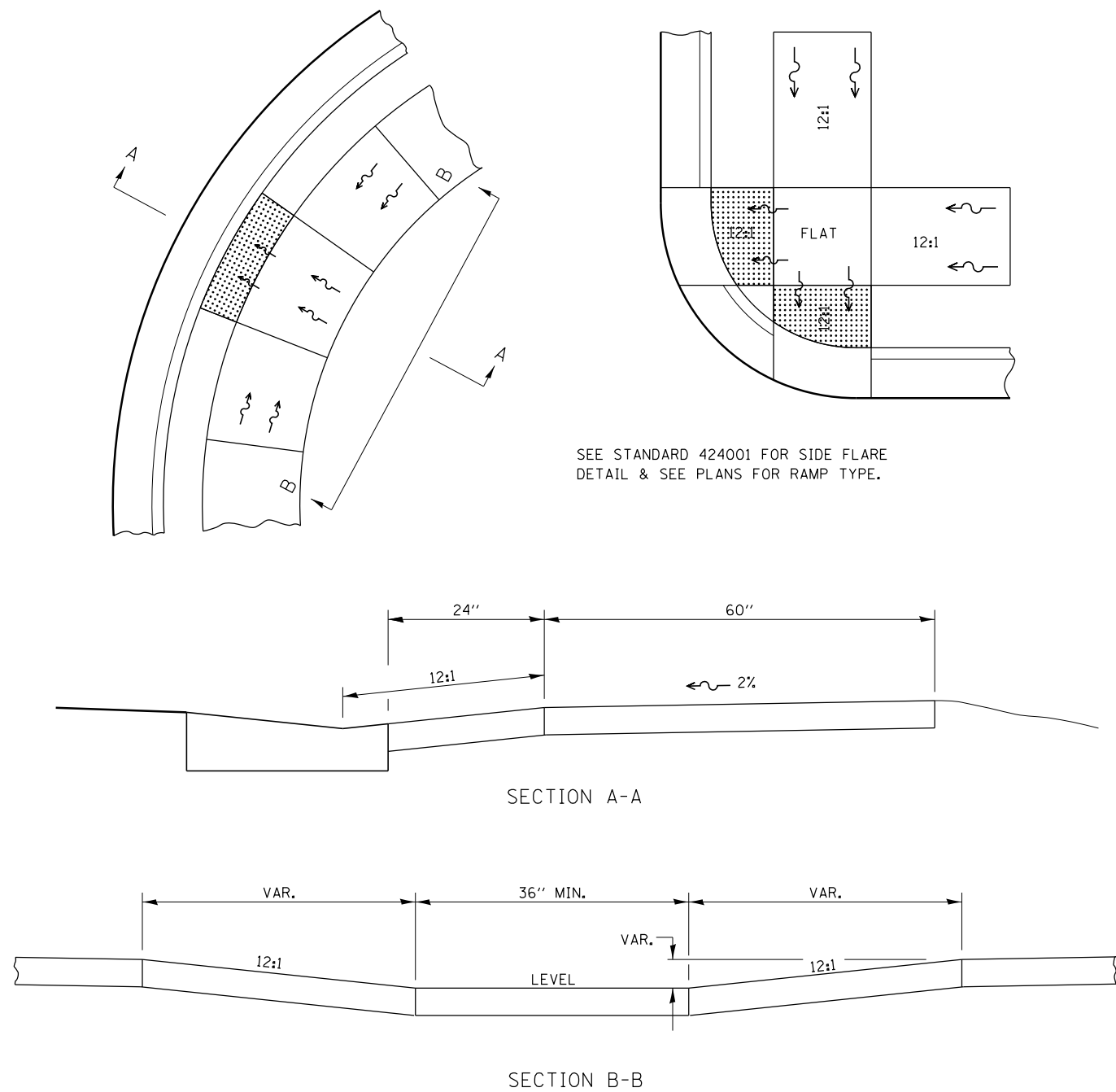
QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

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



SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS

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		DRAWN -	REVISED -						326	(110 & 111) RS-4	GRUNDY	33	25
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	PLOT DATE = 3/20/2015	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



ADA SIDEWALK ACCESSIBILITY RAMP DETAIL

NOTES:

THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001.

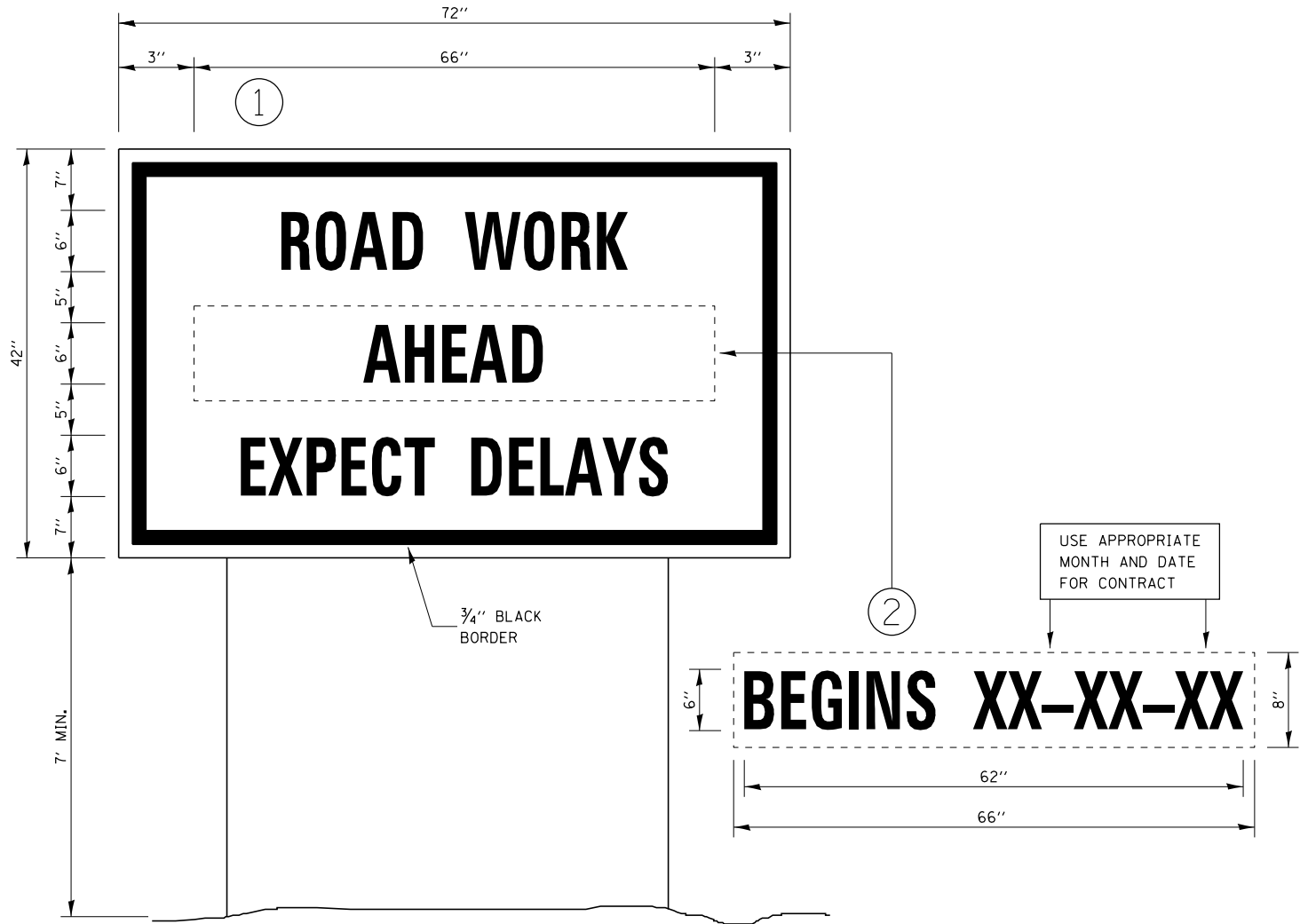
THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2%.

THE MAXIMUM ALLOWABLE SIDEWALK GRADE IS 8%.

IF SPACE LIMITATIONS PROHIBIT THE USE OF THE 12:1 SLOPE, THEN SLOPES BETWEEN 10:1 AND 12:1 ARE PERMITTED FOR A MAXIMUM RISE OF 6". SLOPES 8:1 AND 10:1 ARE ALLOWED FOR A MAXIMUM RISE OF 3". SLOPES STEEPER THAN 8:1 ARE NOT PERMITTED.

THE DEPRESSED CURB IS NOT STANDARD. THE RISE IS 1/2" INSTEAD OF 1 1/2".

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		DRAWN -	REVISED -					326	(110 & 111) RS-4	GRUNDY	33	26
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	PLOT DATE = 3/20/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

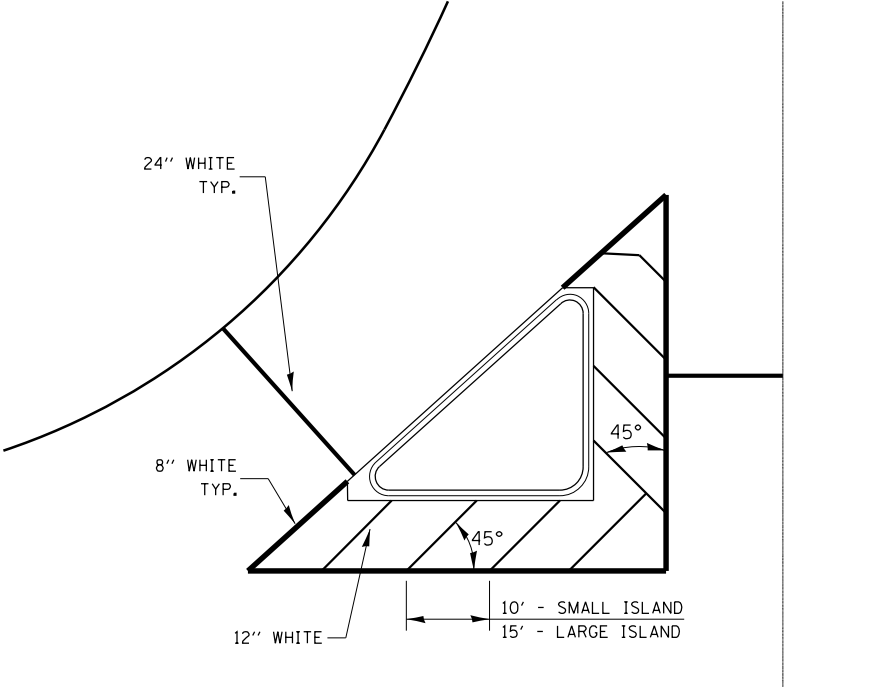


TEMPORARY INFORMATION SIGNING

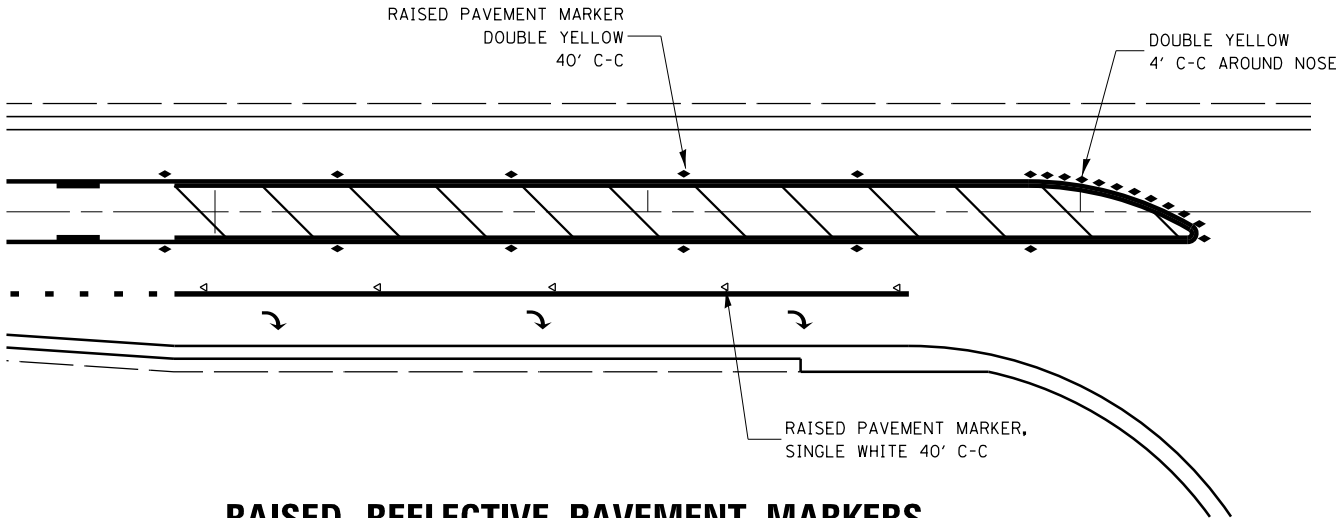
NOTES:

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 SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

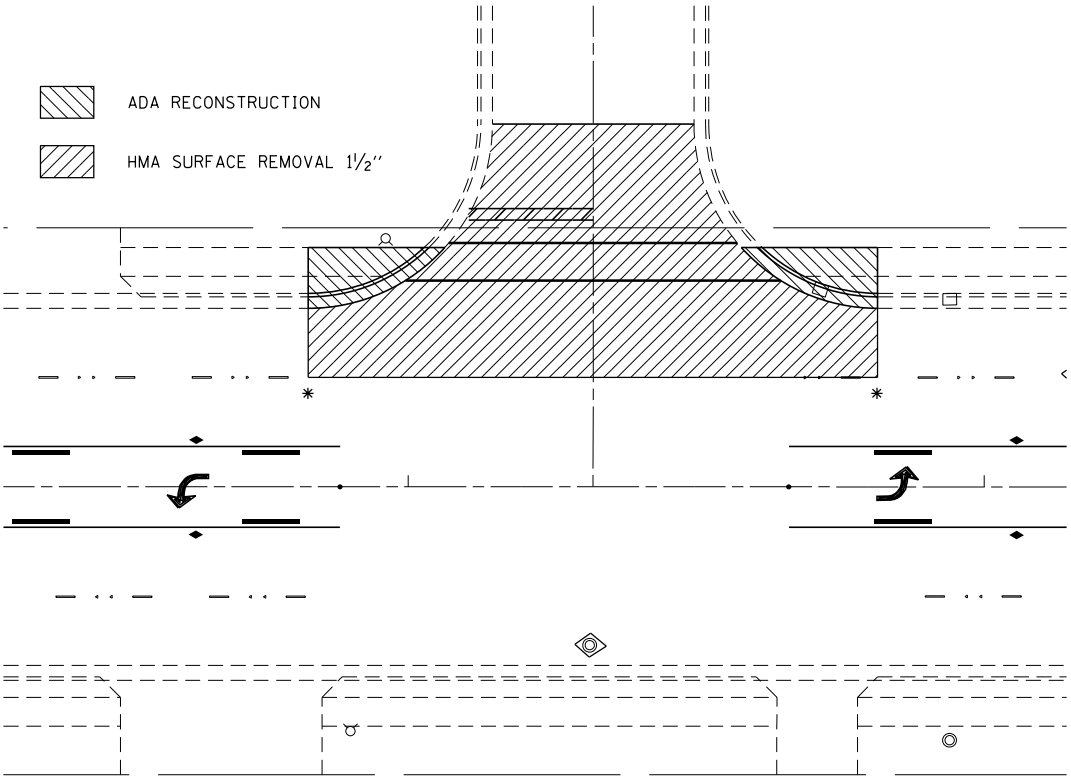
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		DRAWN -	REVISED -						326	(110 & 111) RS-4	GRUNDY	33	27
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	PLOT DATE = 3/20/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



TYPICAL ISLAND

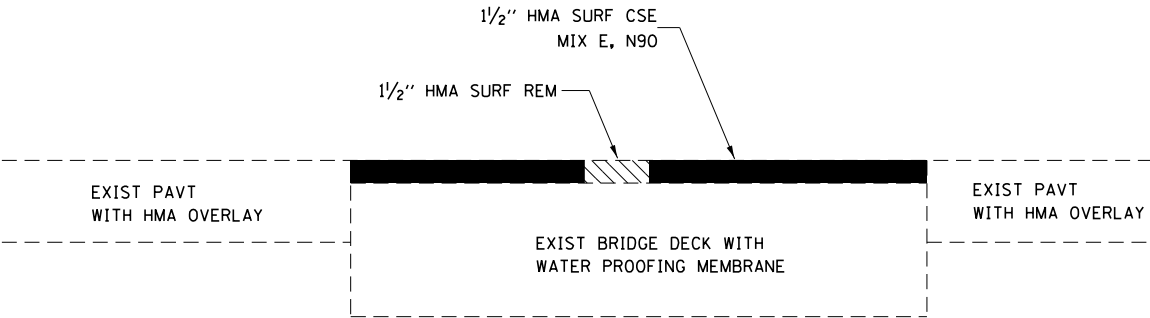


RAISED REFLECTIVE PAVEMENT MARKERS
RIGHT TURN LANE



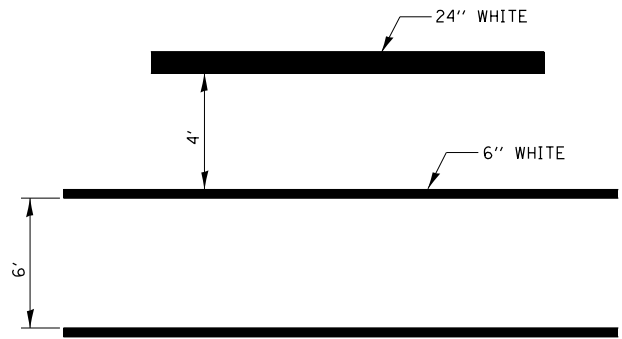
MILLING & RESURFACING DETAIL AT SIDEROADS

- * STA 72+35 TO STA 73+90 LT/RT (GEORGE ST)
- STA 79+80 TO STA 80+80 LT (BRENTWOOD DR)
- STA 81+15 TO STA 82+15 RT (HOOVER ST)
- STA 85+05 TO STA 86+05 RT (ROOSEVELT ST)

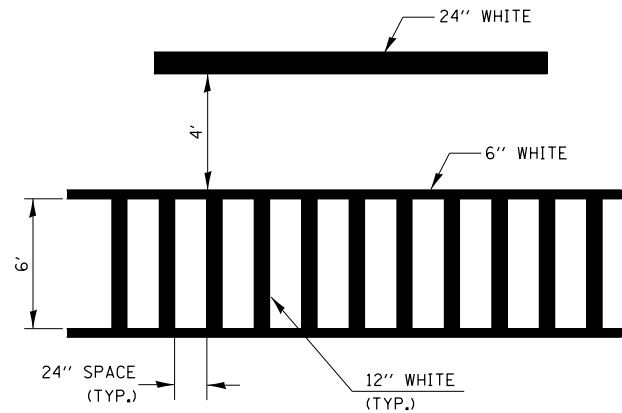


HMA RESURFACING AT BRIDGE

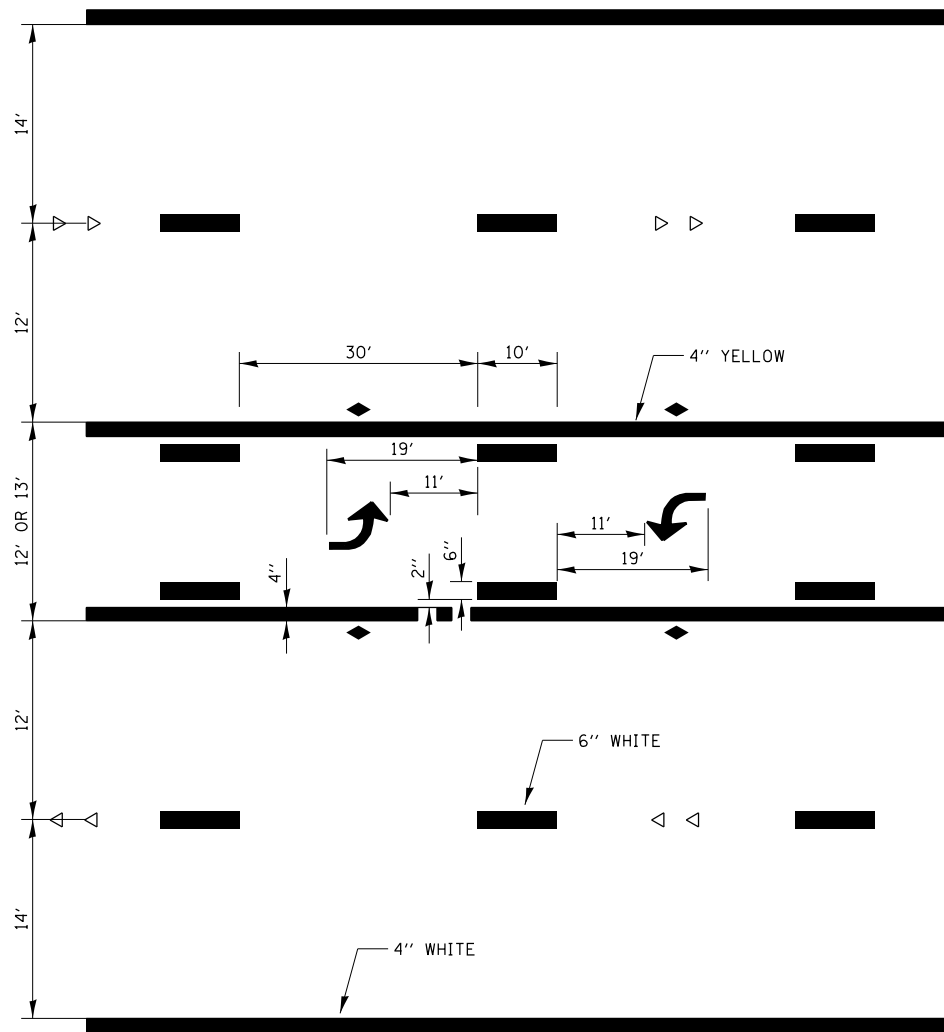
- STA 31+72 TO STA 35+65
- STA 38+36 TO STA 39+56



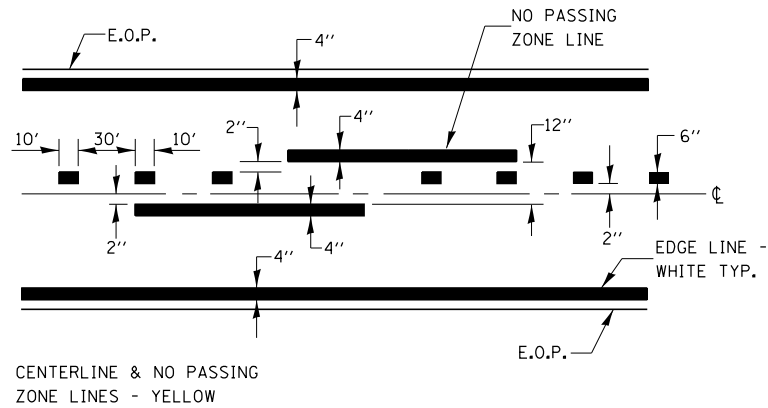
TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS



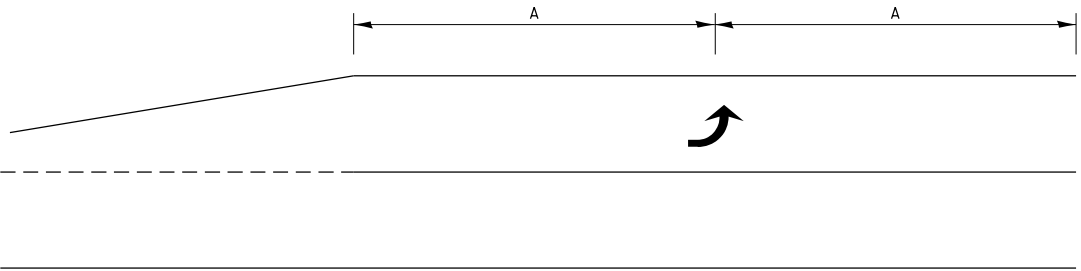
TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS



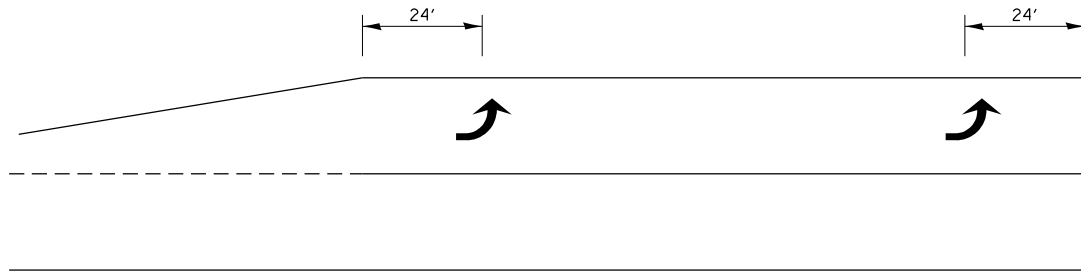
TYPICAL APPLICATION
TWO WAY LEFT TURN LANE (TWLTL)



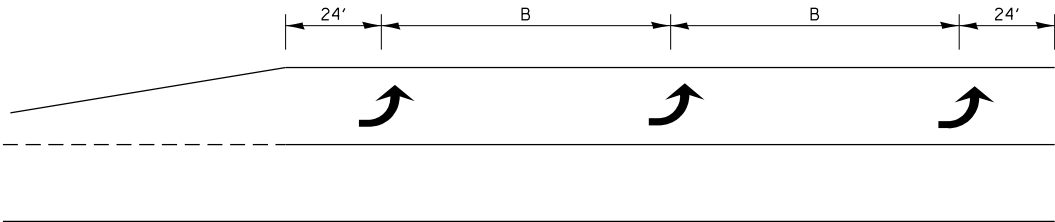
PAVEMENT MARKING



99' AND UNDER



100' TO 149'

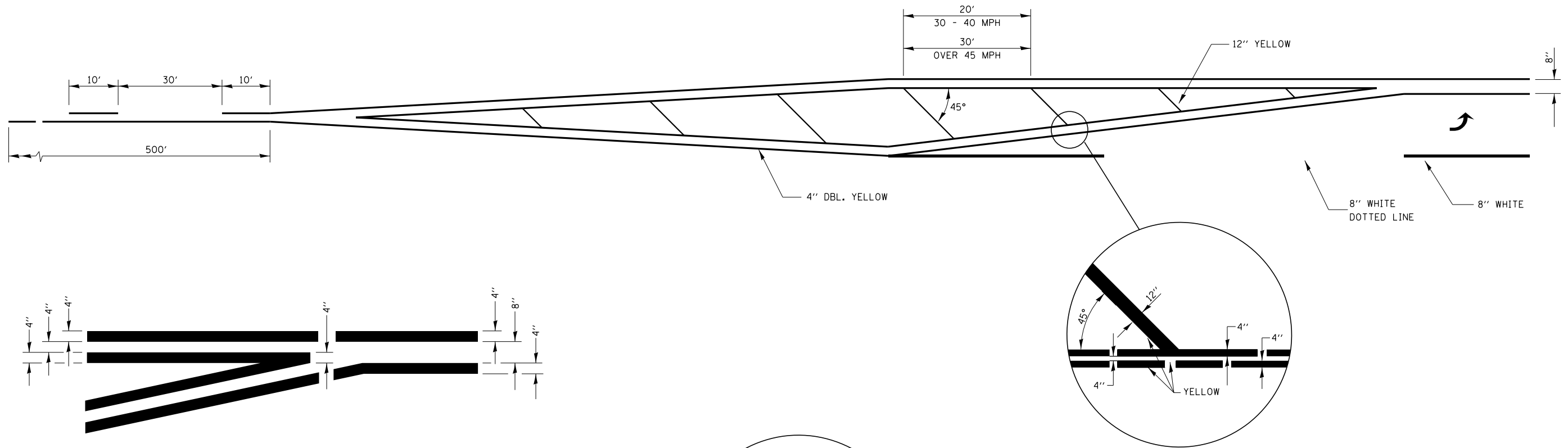


150' AND LONGER

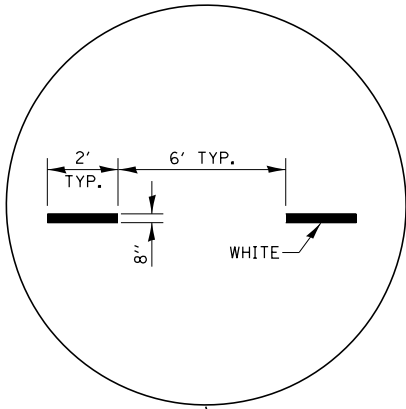
TYPICAL PLACEMENT OF ARROWS
IN TURN LANES

URBAN PAVEMENT MARKING

FILE NAME =	USER NAME = corcoranlm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\corcoranlm\d0244853\0366A76-sht-details.dgn		DRAWN -	REVISED -					326	(110 & 111) RS-4	GRUNDY	33	29
\$MODELNAME\$	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 66A76				
	PLOT DATE = 3/20/2015	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

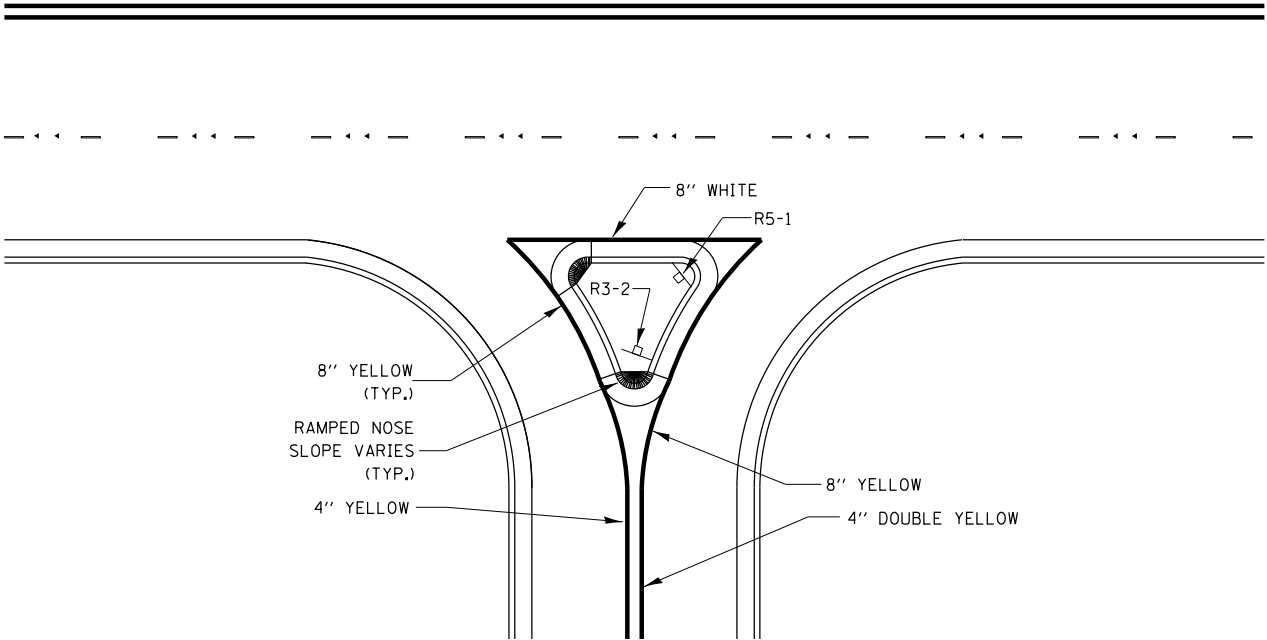


**TYPICAL APPLICATION
LEFT TURN LANES**

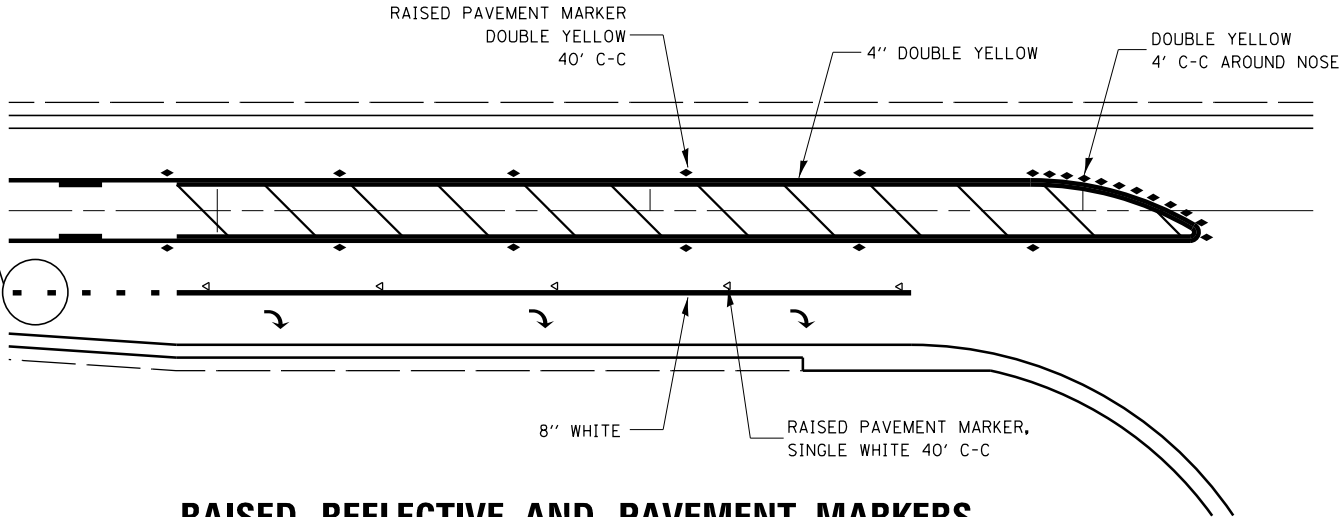


**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**

URBAN PAVEMENT MARKING

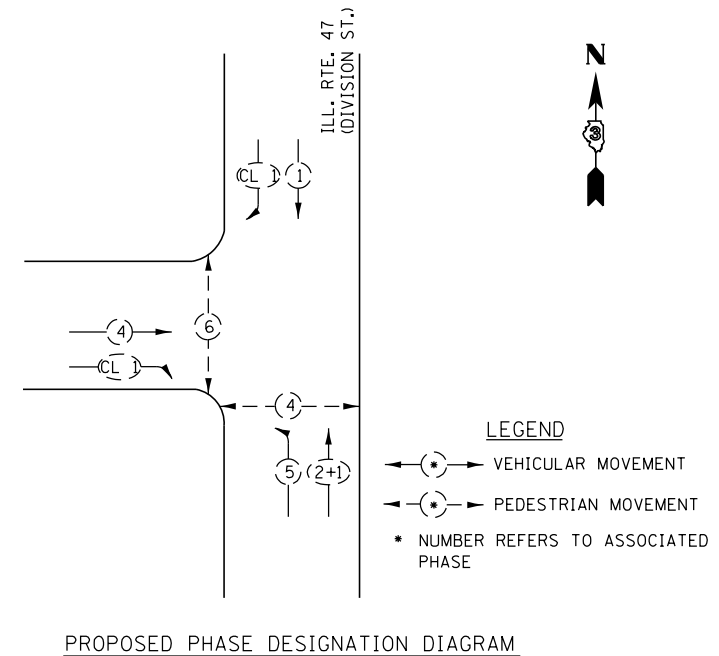


RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING



**RAISED REFLECTIVE AND PAVEMENT MARKERS
RIGHT TURN LANE**

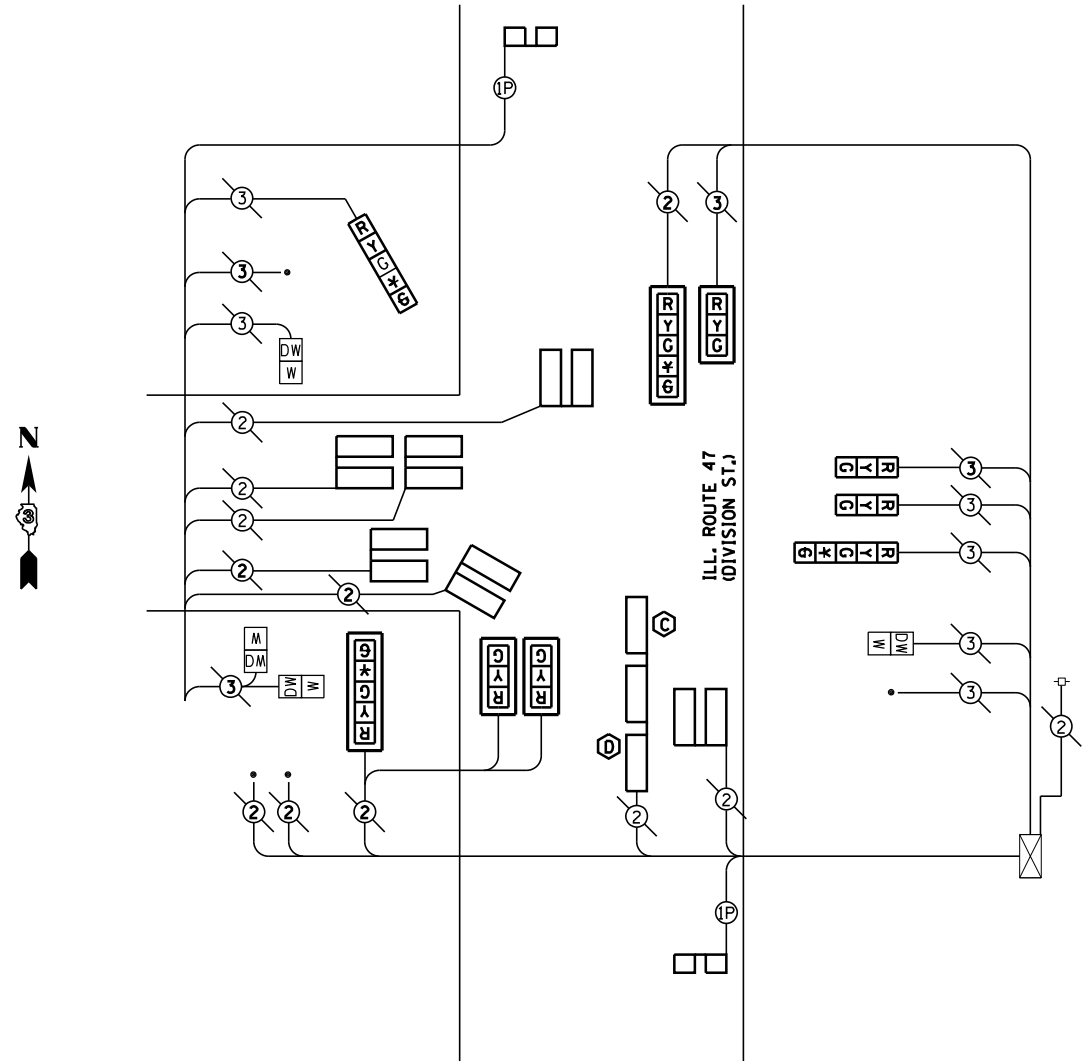
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		DRAWN -	REVISED -						326	(110 & 111) RS-4	GRUNDY	33	30
\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 66A76				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

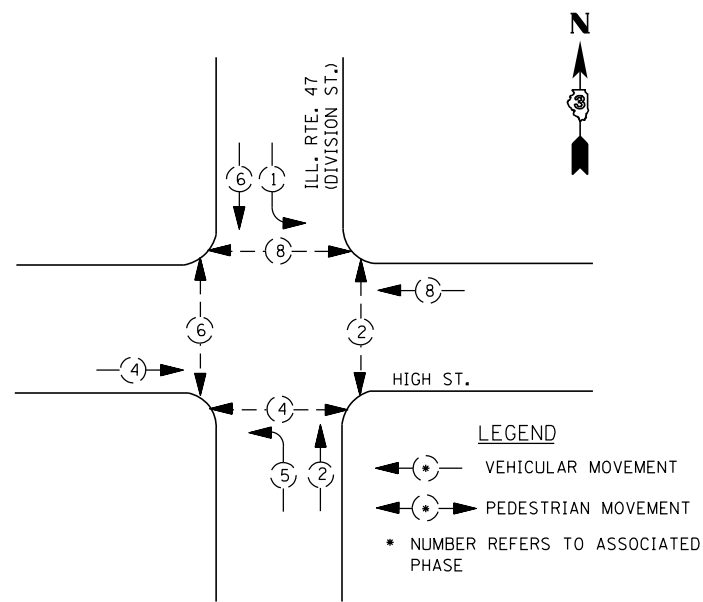


SCHEDULE OF QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
LOOP DETECTOR TY 1 (NB 47)	FOOT	458
LOOP DETECTOR TY 1 (US RTE 6)	FOOT	872
LOOP DETECTOR TY 1 (SB 47)	FOOT	274
LOOP DETECTOR TESTING	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	3
MODIFY EXISTING CONTROLLER CABINET	EACH	1
UNDERGROUND CONDUIT, PVC, 1" DIA	FOOT	200
ELECTRIC CABLE IN CONDUIT, LEAD IN, NO. 14 1 PAIR	FOOT	450
DRILL EXISTING HANDHOLE	EACH	3

TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- TRAFFIC SIGNAL SECTION
- PEDESTRIAN SIGNAL SECTION
- EX. CONTROLLER CABINET
- VEHICLE DETECTOR, INDUCTION LOOP
- DETECTION LOOP IDENTIFICATION
- PEDESTRIAN PUSHBUTTON DETECTOR
- DENOTES NUMBER OF CONDUCTORS (NEW)
ALL LOOP DETECTOR CABLE TO BE SHIELDED.
ALL CABLE NO. 14 EXCEPT AS INDICATED.
- INDICATES EXISTING CABLE
- SIGNAL FACE WITH BACKPLATE
- TURN ARROW SIGNAL SECTION
- SERVICE INSTALLATION, EXISTING
- "E" EXIST. VEHICLE DETECTOR, INDUCTION LOOP





PROPOSED PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
LOOP DETECTOR TY 1 (NB 47)	FOOT	445
LOOP DETECTOR TY 1 (WB HIGH ST)	FOOT	150
LOOP DETECTOR TY 1 (EB HIGH ST)	FOOT	150
LOOP DETECTOR TY 1 (SB 47)	FOOT	419
LOOP DETECTOR TESTING	EACH	1

TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

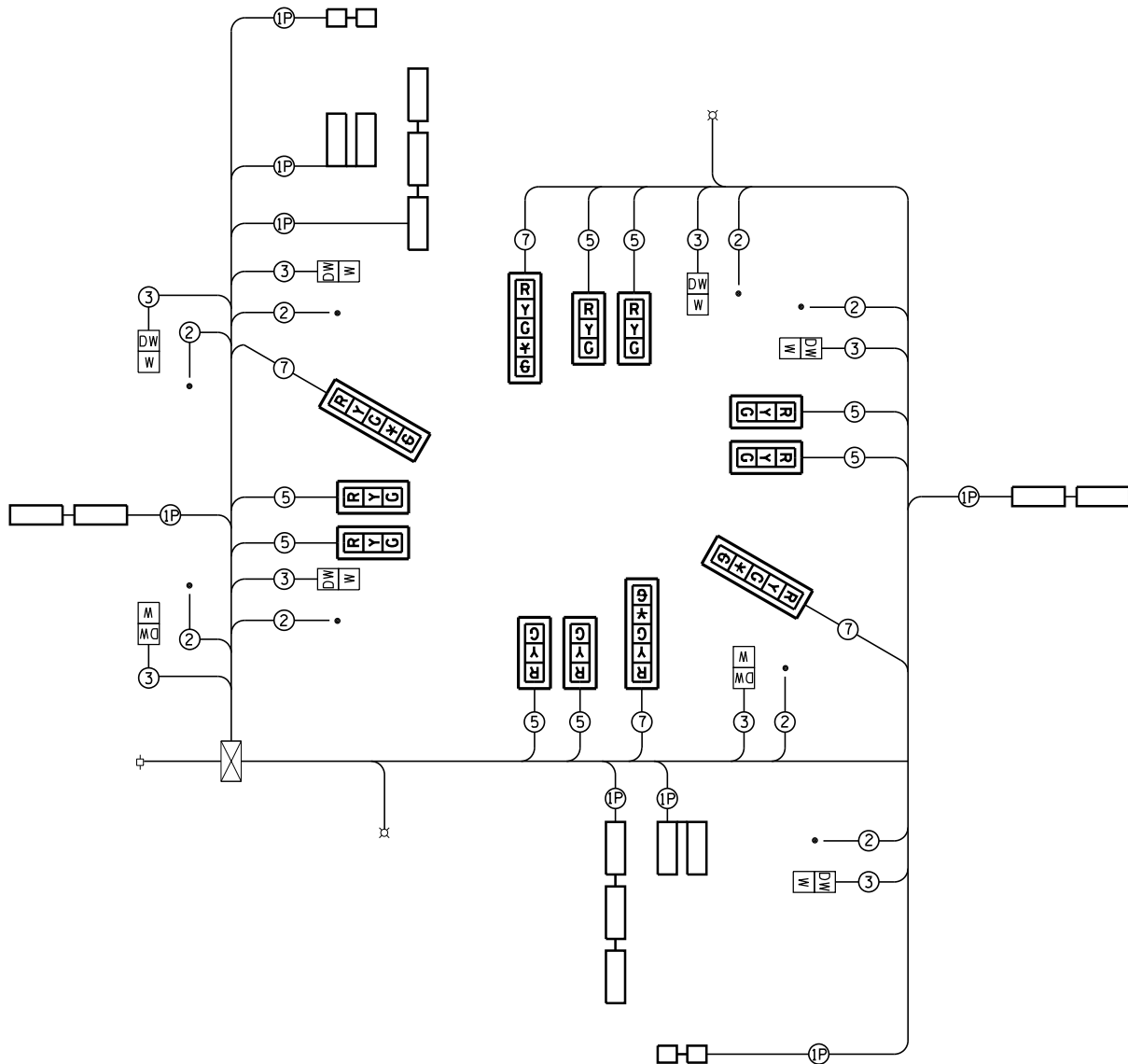
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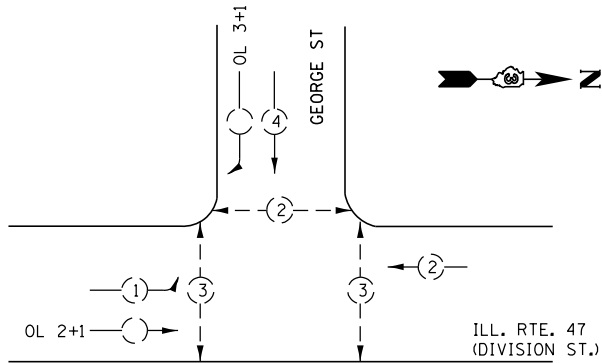
TRAFFIC SIGNAL SECTION
- DW

W
- PEDESTRIAN SIGNAL SECTION
- EX
- EX. CONTROLLER CABINET
-
- VEHICLE DETECTOR, INDUCTION LOOP
- D
- DETECTION LOOP IDENTIFICATION
- .
- PEDESTRIAN PUSHBUTTON DETECTOR
- 2
- DENOTES NUMBER OF CONDUCTORS (NEW)
ALL LOOP DETECTOR CABLE TO BE SHIELDED.
ALL CABLE NO. 14 EXCEPT AS INDICATED.
- 2
- INDICATES EXISTING CABLE
- R

Y

G
- SIGNAL FACE WITH BACKPLATE
- 6
- TURN ARROW SIGNAL SECTION
- EX
- SERVICE INSTALLATION,
EXISTING
- EX
- EXIST. VEHICLE DETECTOR, INDUCTION LOOP





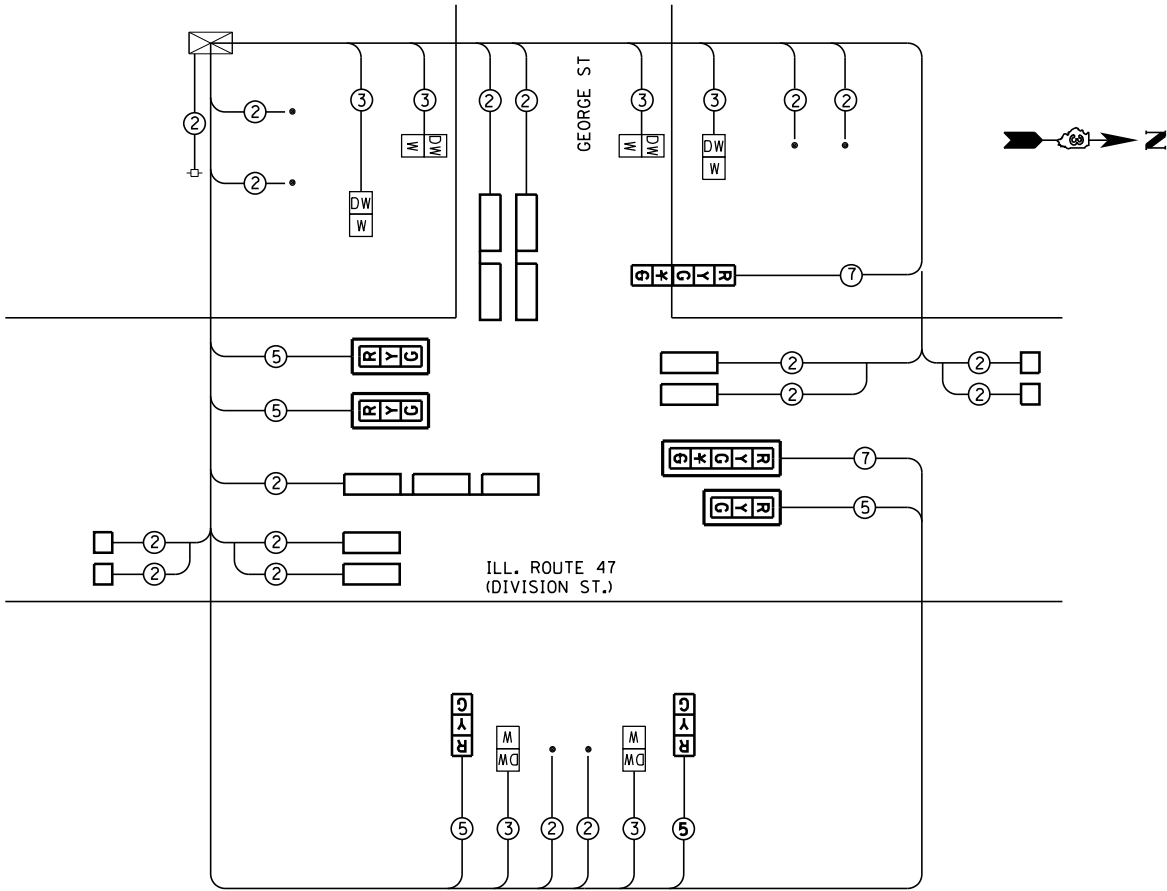
PROPOSED PHASE DESIGNATION DIAGRAM

- LEGEND
- ←(•)→ VEHICULAR MOVEMENT
 - ←(•)→ PEDESTRIAN MOVEMENT
 - * NUMBER REFERS TO ASSOCIATED PHASE

SCHEDULE OF QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
LOOP DETECTOR TY 1 (NB 47)	FOOT	478
LOOP DETECTOR TY 1 (GEORGE ST)	FOOT	322
LOOP DETECTOR TY 1 (SB 47)	FOOT	200
LOOP DETECTOR TESTING	EACH	1

TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- TRAFFIC SIGNAL SECTION
- PEDESTRIAN SIGNAL SECTION
- EX. CONTROLLER CABINET
- VEHICLE DETECTOR, INDUCTION LOOP
- DETECTION LOOP IDENTIFICATION
- PEDESTRIAN PUSHBUTTON DETECTOR
- DENOTES NUMBER OF CONDUCTORS (NEW)
ALL LOOP DETECTOR CABLE TO BE SHIELDED.
ALL CABLE NO. 14 EXCEPT AS INDICATED.
- INDICATES EXISTING CABLE
- SIGNAL FACE WITH BACKPLATE
- TURN ARROW SIGNAL SECTION
- SERVICE INSTALLATION, EXISTING
- "E" EXIST. VEHICLE DETECTOR, INDUCTION LOOP



PROPOSED CABLE PLAN