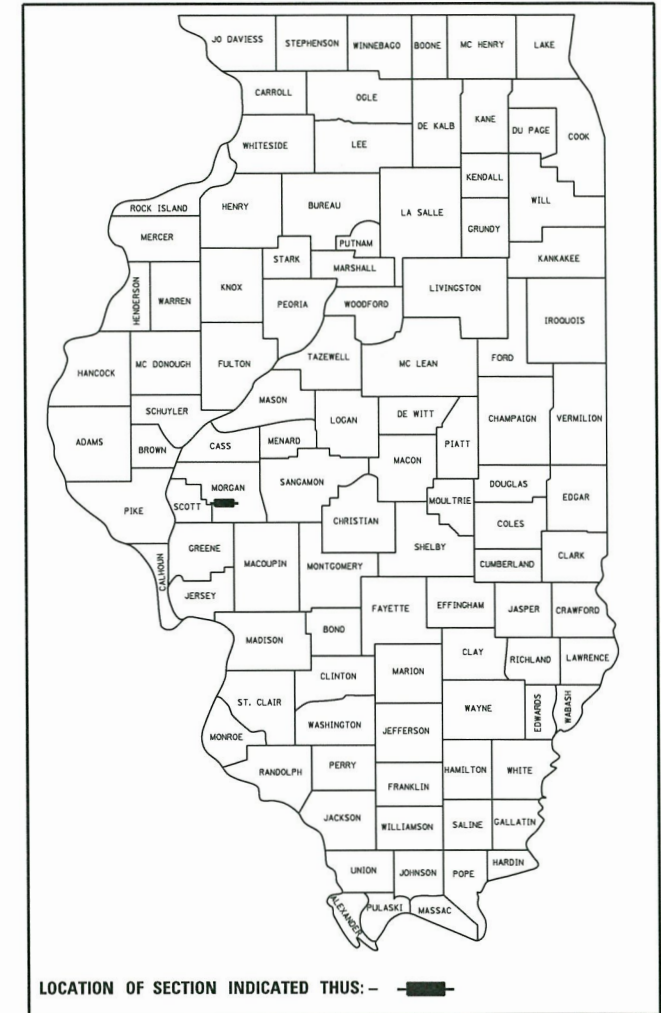


- 1 COVER SHEET & INDEX OF SHEETS
- 2 GENERAL NOTES, STANDARDS & LEGEND
- 3-4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6-7 SCHEDULE OF QUANTITIES
- 8 ALIGNMENT PLAN
- 9-11 PLAN SHEETS
- 12-15 INTERSECTION DETAILS
- 16 JOINTING PLANS
- 17-21 SIDEWALK DETAILS
- 22-23 SPECIAL DETAILS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED  
SURFACE TRANSPORTATION / URBAN PROGRAM (WTARP)  
**VILLAGE OF SOUTH JACKSONVILLE**  
SECTION 17-00122-00-RS  
**& CITY OF JACKSONVILLE**  
SECTION 17-00127-00-RS  
F.A.U. ROUTE 8177  
PROJECT NO DHHV(427)  
EAST MICHIGAN AVENUE  
FROM MAIN STREET EASTERLY TO HARDIN AVENUE  
JOB NO C-96-086-18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177		MORGAN	23	1
		ILLINOIS	CONTRACT NO. 93720	

•17-00122-00-RS & 17-00127-00-RS



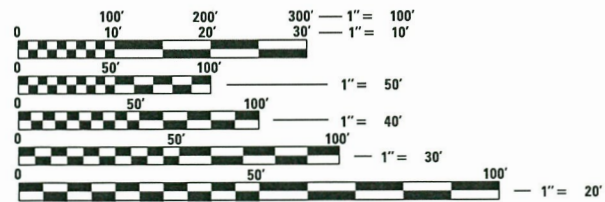
**GAS & ELECTRIC**  
AMEREN IP  
700 JERSEY STREET  
QUINCY, ILLINOIS

**CABLE T.V.**  
MEDIACOM  
409 MASSEY LANE  
JACKSONVILLE, ILLINOIS

**TELEPHONE**  
VERIZON  
330 WEST BEECHER  
JACKSONVILLE, ILLINOIS

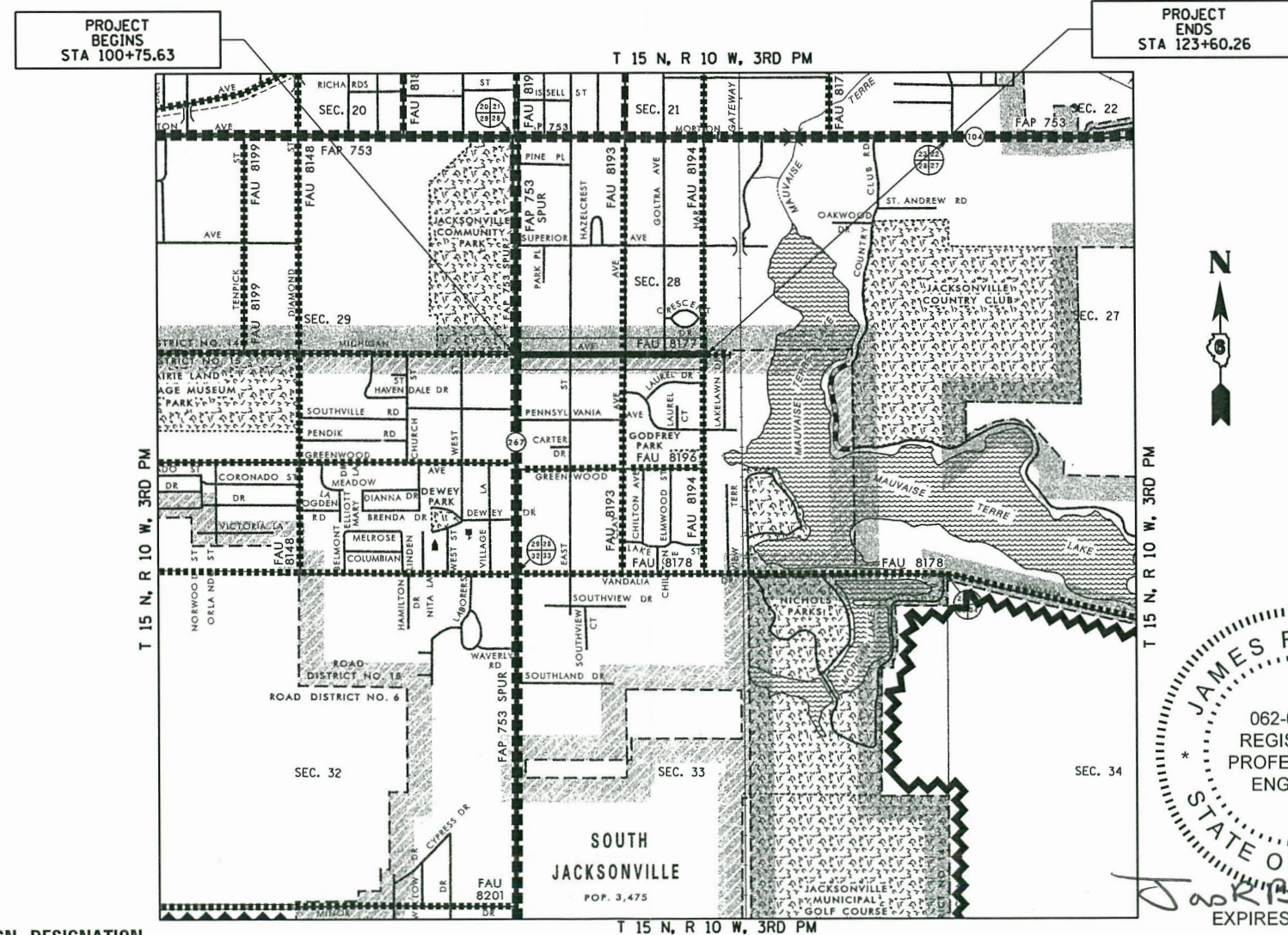
**WATER & SEWER**  
VILLAGE OF SOUTH JACKSONVILLE  
MUNICIPAL BUILDING  
301 DEWEY DRIVE  
SOUTH JACKSONVILLE, ILLINOIS

CITY OF JACKSONVILLE  
200 WEST DOUGLAS  
JACKSONVILLE, ILLINOIS



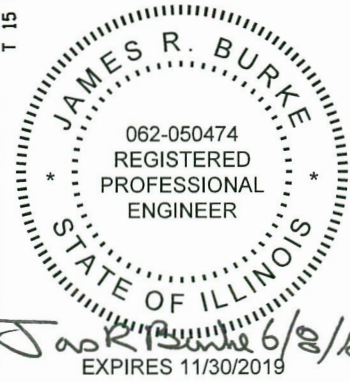
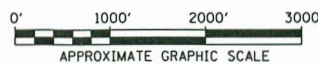
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



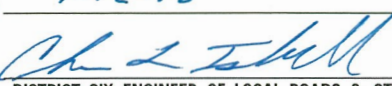
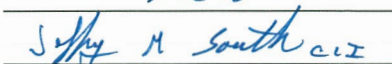


DESIGN DESIGNATION  
FAU 8178  
URBAN COLLECTOR (TARP)  
ADT = 2,100 (2029)  
% PV = 88  
% SU = 7  
% MU = 5

GROSS LENGTH OF PROJECT = 2,284.63 FEET = 0.433 MILES  
NET LENGTH OF PROJECT = 2,284.63 FEET = 0.433 MILES



**DESCRIPTION OF WORK**  
THIS PROJECT CONSISTS OF RESURFACING EAST MICHIGAN AVENUE TO PROVIDE A 36' AND VARIABLE WIDE STREET. THE EXISTING HOT-MIX ASPHALT SURFACE WILL BE MILLED AT A 1 1/2" AND VARIABLE DEPTH. THE PROPOSED SURFACE CONSISTS OF 1 1/2" OF HOT-MIX ASPHALT SURFACE OVER A 1 1/2" AND VARIABLE THICKNESS OF HOT-MIX ASPHALT LEVELING BINDER COURSE. ALSO INCLUDED IS PCC PAVEMENT PATCHING, SIDEWALK ADA RAMP CONSTRUCTION, UTILITY ADJUSTMENTS, PAVEMENT MARKING AND RELATED WORK.

APPROVED	 PRESIDENT - VILLAGE OF SOUTH JACKSONVILLE
APPROVED	 MAYOR - CITY OF JACKSONVILLE
PASSED	7-12-18  DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	7-12-18  REGION FOUR ENGINEER - ILLINOIS DEPT OF TRANSPORTATION

Since 1945  
**Hutchison Engineering, Inc.**  
JACKSONVILLE • PEORIA • SHOREWOOD • MOLINE  
Illinois Professional Design Firm No. 184-000825

## GENERAL NOTES





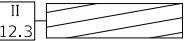
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE CITY AND THE INDICATED ADJUSTMENTS OR RECONSTRUCTION ARE CONSIDERED TO BE REASONABLY ACCURATE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE VILLAGE, ITS OFFICERS, AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLE 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS MILLING, PAVING, GRADING AND SHOULDER OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED WITH THE COST OF THE CONTROLLING PAY ITEM FOR THE OPERATION.
- EXISTING CONCRETE BASES AND OTHER MISCELLANEOUS CONCRETE FROM WORK NOT SPECIFICALLY SHOWN ON THE PLANS, BUT INTERFERING WITH PROPOSED CONSTRUCTION, SHALL BE REMOVED AND VOID FILLED WITH TRENCH BACKFILL. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTROLLING PAY ITEM FOR THE OPERATION.
- WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS", IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS" INCLUDED IN THE PROPOSAL.
- ALL ELEVATIONS SHOWN REFER TO THE U.S.G.S. DATUM AT MEAN SEA LEVEL.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.
- THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 (TEN) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWER AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.
- VERIFICATION OF DIMENSIONS : IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- ALL FRAMES, GRATES, SIGNS, FENCES AND DELINEATORS, DRIVEWAY PAVEMENT, CURB AND GUTTER, NEW OR EXISTING, DAMAGED THROUGH CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- THE COST OF ADDITIONAL LABOR AND MATERIALS NOT ACCOUNTED FOR ON THE PLANS, WHICH MIGHT BE INVOLVED IN MAINTAINING THE FLOW OF STORM WATER TO EXISTING DRAINAGE STRUCTURES, SHALL BE INCLUDED IN THE COST OF THE CONTROLLING PAY ITEM FOR THE OPERATION.
- TRAFFIC SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL BE RESET BEFORE THE ROADWAY IS OPEN TO TRAFFIC. COST OF SUCH WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- TURF AREAS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE GRADED AND SEEDED TO THE SATISFACTION OF THE ENGINEER. COST OF SUCH WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES	HMA SURF CSE	LEVELING BINDER
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ N50	4% @ N50
MIX COMPOSITION: (GRADATION MIXTURE)	1L-9.5	1L-9.5
FRICTION AGGREGATE	MIX "C"	N/A
QUALITY MANAGEMENT	QC/QA	QC/QA

HMA QUANTITIES CALCULATED USING 112 LB/SY/IN

USER NAME = JDeen	DESIGNED - JRB	REVISED -
	DRAWN - JCW	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

## LEGEND

	HOT-MIX ASPHALT TAPER
	ADJUST FRAME AND GRATE OF EXISTING INLET
	ADJUST FRAME AND LID OF EXISTING MANHOLE
	VALVE BOXES TO BE ADJUSTED
	CLASS C PATCHES, 8 INCH, TYPE AND SQ YD

## STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-09	PAVEMENT JOINTS
420106-06	36' JOINTED PCC PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-04	DEPRESSED CORNER FOR SIDEWALKS
424026-02	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442101-08	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
602306-03	INLET, TYPE B
604006-05	FRAME AND GRATE, TYPE 3
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
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
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

### EAST MICHIGAN AVE (FAU 8177) GENERAL NOTES AND LEGEND

SCALE: N/A	SHEET 1 OF 1 SHEETS	STA.	TO STA.	F.A.U. RTE. 8177	SECTION *	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 2
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\* 17-00122-00-RS & 17-00127-00-RS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE
				CITY OF JACKSONVILLE	VILLAGE OF SOUTH JACKSONVILLE
				ROADWAY 0005 URBAN	ROADWAY 0005 URBAN
20200100	EARTH EXCAVATION	CU YD	65	36	29
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SO YD	263	136	127
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6745	3381	3364
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	788	394	394
40600990	TEMPORARY RAMP	SO YD	118	65	53
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	866	435	431
42001300	PROTECTIVE COAT	SO YD	1382	1267	115
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	1198	716	482
42400800	DETECTABLE WARNINGS	SO FT	115	61	54
44000100	PAVEMENT REMOVAL	SO YD	79	55	24
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	475	363	112
44000600	SIDEWALK REMOVAL	SO FT	1147	723	424
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SO YD	1029	672	357
44201325	CLASS C PATCHES, TYPE I, 8 INCH	SO YD	6	0	6

\* SEE SPECIAL PROVISIONS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE
				CITY OF JACKSONVILLE	VILLAGE OF SOUTH JACKSONVILLE
				ROADWAY 0005 URBAN	ROADWAY 0005 URBAN
44201329	CLASS C PATCHES, TYPE II, 8 INCH	SO YD	59	20	39
44201333	CLASS C PATCHES, TYPE III, 8 INCH	SO YD	33	16	17
55100500	STORM SEWER REMOVAL 12"	FOOT	16	16	0
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	1	1
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	1	0
60255500	MANHOLES TO BE ADJUSTED	EACH	14	5	9
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	2	2	0
60266600	VALVE BOXES TO BE ADJUSTED	EACH	13	4	9
60500060	REMOVING INLETS	EACH	1	1	0
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	88.0	53.5	34.5
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	597.0	303.0	294.0
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	392	208	184
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	66	35	31

Δ

\* SEE SPECIAL PROVISIONS Δ SPECIALTY ITEMS

MODEL: \MODELNAME\ PLOT DATE: 6/22/18 - E Michigan Ave IS Jacksonville\CAD\CADD\_Sheets\219-mi-S001.dgn

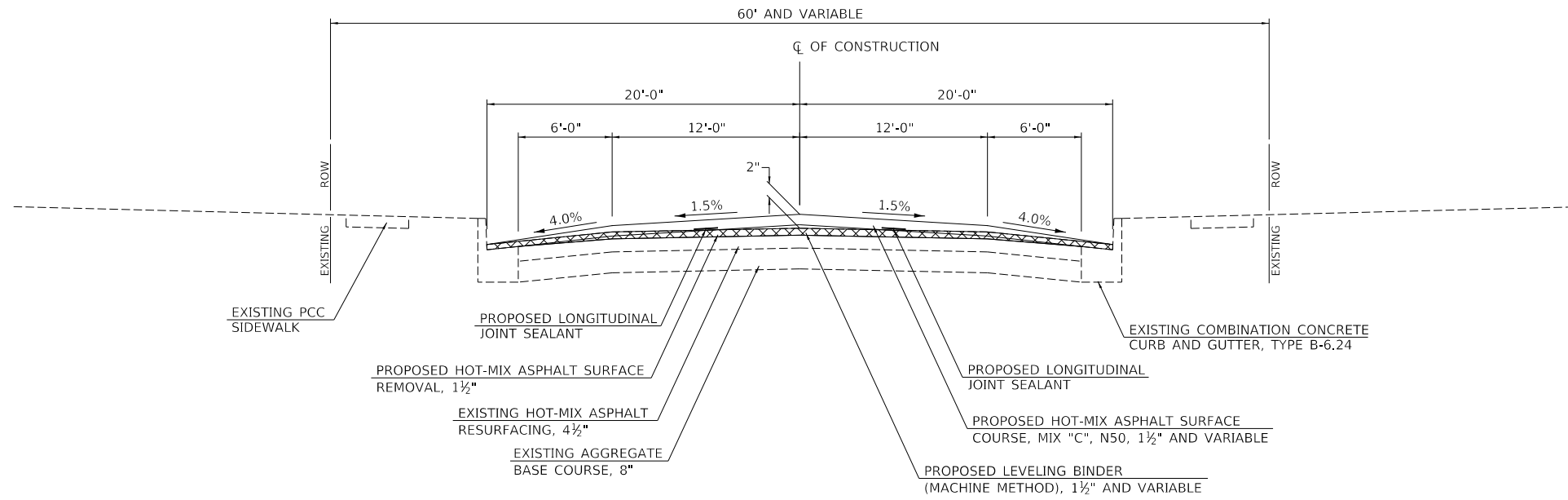
USER NAME = JDeen	DESIGNED - JRB	REVISED -
	DRAWN - TJD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)  
SUMMARY OF QUANTITIES**

F.A.U. RTE. 8177	SECTION	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 3
SCALE:			CONTRACT NO. 93720	
SHEET 1	OF 2	SHEETS	STA.	TO STA.
ILLINOIS FED. AID PROJECT				





**EAST MICHIGAN AVE PROPOSED TYPICAL SECTION**

STA 100+75.63 TO STA 123+60.26

MODEL: \\MODELS\MJF\FILE NAME: V:\1219 - E Michigan Ave (S Jackson\Ill)\CADD\CADD Sheets\1219-shr-PrTyp1.dwg

USER NAME = JDeen	DESIGNED - JRB	REVISED -
	DRAWN - JCW	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)  
PROPOSED TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	5
CONTRACT NO. 93720			ILLINOIS FED. AID PROJECT	

\* 17-00122-00-RS & 17-00127-00-RS

EARTHWORK

LOCATION	20200100
	EARTH EXCAVATION
	CU YD
MICHIGAN AVE TO WEST SIDE OF HARDIN AVE	54.0
EAST SIDE OF HARDIN AVE INTERSECTION	6.9
TOTAL	60.9
USE	65

SIDEWALK SCHEDULE

LOCATION	42400100	42400800
	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNINGS
	SQ FT	
MICHIGAN & SOUTH EAST		
NW QUAD	206.5	8.0
SW QUAD	70.5	8.0
NE QUAD	183.8	16.0
SE QUAD	228.2	18.8
MICHIGAN & SOUTH CLAY		
NW QUAD	181.6	16.0
SW QUAD	120.1	13.8
NE QUAD	72.8	8.0
SE QUAD	62.9	13.0
MICHIGAN & HARDIN		
NW QUAD	70.8	12.8
SUB-TOTAL	1,197.2	114.4
TOTAL	1,197.2	114.4
USE	1,198	115

COMBINATION CONCRETE CURB & GUTTER REMOVAL

LOCATION	44000500
	COMBINATION CONCRETE CURB & GUTTER REMOVAL
	FOOT
MICHIGAN & SOUTH EAST	
NW QUAD	15.2
SW QUAD	23.0
NE QUAD	14.2
SE QUAD	33.6
MICHIGAN & SOUTH CLAY	
NW QUAD	17.8
SW QUAD	26.1
NE QUAD	16.7
SE QUAD	28.9
MICHIGAN & GOLTRA	
NW QUAD	27.8
NE QUAD	26.1
MICHIGAN & HARDIN	
NW QUAD	64.8
SW QUAD	52.8
NE QUAD	53.1
SE QUAD	74.2
TOTAL	474.3
USE	475

COMBINATION CONCRETE CURB AND GUTTER

STATION TO STATION	31100300	60603800	60605000
	SUBBASE GRANULAR MATERIAL, TYPE A, 4"	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
	SQ YD	FOOT	
MICHIGAN & SOUTH EAST	68.7		172.5
MICHIGAN & SOUTH CLAY	64.5		162.0
MICHIGAN & GOLTRA	35.6		89.5
MICHIGAN & HARDIN	94.1	88.0	173.0
TOTAL	263.0	88.0	597.0
USE	263	88.0	597.0

PAVEMENT REMOVAL

LOCATION	44000100
	PAVEMENT REMOVAL
	SQ YD
MICHIGAN & SOUTH EAST	
SW QUAD	22.0
SE QUAD	2.0
MICHIGAN & SOUTH CLAY	
NW QUAD	16.0
NE QUAD	10.0
MICHIGAN & GOLTRA	
NW QUAD	14.0
NE QUAD	15.0
TOTAL	79.0
USE	79

CLASS B PATCHES

APPROXIMATE LOCATION	44200964
	CLASS B PATCHES, TYPE IV, 9 INCH
	SQ FT
MICHIGAN & HARDIN INTERSECTION	
NW QUAD	251.0
SW QUAD	186.0
NE QUAD	421.0
SE QUAD	171.0
TOTAL	1,029.0
USE	1,029

PAVING SCHEDULE

STATION TO STATION	40600290	40600625	40603310	Z0033700
	BITUMINOUS MATERIALS (TACK COAT)	LEVELING BINDER (MACHINE METHOD), N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	LONGITUDINAL JOINT SEALANT
	POUND	TON		FOOT
STA 100+75.63 TO STA 122+23.52	6,446.0	787.1	810.0	4,296.0
NORTH LEG - SOUTH EAST	45.6		8.6	
SOUTH LEG - SOUTH EAST	68.2		12.8	
NORTH LEG - SOUTH CLAY	54.1		10.1	
SOUTH LEG - SOUTH CLAY	72.6		13.6	
GOLTRA LEG	58.4		10.9	
TOTAL	6,744.9	787.1	866.0	4,296.0
USE	6,745	788	866	4,296

SIDEWALK REMOVAL

LOCATION	44000600
	SIDEWALK REMOVAL
	SQ FT
MICHIGAN & SOUTH EAST	
NW QUAD	216.1
SW QUAD	38.9
NE QUAD	204.7
SE QUAD	190.9
MICHIGAN & SOUTH CLAY	
NW QUAD	167.0
SW QUAD	110.0
NE QUAD	49.8
SE QUAD	84.2
MICHIGAN & HARDIN	
NW QUAD	84.9
TOTAL	1,146.5
USE	1,147

CLASS C PATCHES

APPROXIMATE LOCATION	44201325	44201329	44201333
	CLASS C PATCHES, 8 INCH		
	TYPE I	TYPE II	TYPE III
MICHIGAN AVE			
105+10 LT		5.6	
112+10 RT		12.3	
114+94 LT/RT			15.3
117+29 RT	2.6		
118+60 LT/RT		13.3	
120+65 RT	2.6		
120+94 RT		12.4	
121+68 LT/RT		14.9	
122+15 LT/RT			17.2
TOTAL	5.2	58.5	32.5
USE	6	59	33

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST MICHIGAN AVE (FAU 8177)  
SCHEDULES OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	6
CONTRACT NO. 93720				

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

\* 17-00122-00-RS & 17-00127-00-RS

MODEL: \\MODELS\MAME  
FILE NAME: 031219 - E Michigan Ave (S Jackson) \CADD\CADD Sheets\219-sh-Schedule01.dgn

USER NAME = JDeen	DESIGNED - JRB	REVISED -
	DRAWN - TJD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

STORM SEWER REMOVAL

STATION TO STATION	55100500	60500060
	STORM SEWER REMOVAL 12"	REMOVING INLETS
	FOOT	EACH
MICHIGAN & GOLTRA		
NW QUAD	15.6	1
TOTAL	15.6	1
USE	16	1

ITEMS TO BE REMOVED OR ADJUSTED

STATION	OFFSET	SIDE	56400500	60255500	60260500	60266600
			FIRE HYDRANTS TO BE REMOVED	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	VALVE BOXES TO BE ADJUSTED
			EACH			
MICHIGAN AVE						
103+35.8	6.0'	RT		1		
106+57.0	39.3'	LT			1	
106+58.6	27.9'	RT				1
106+70.9	6.4'	RT		1		
106+78.1	23.8'	LT				1
106+80.5	29.5'	RT				1
106+81.6	38.2'	RT				1
106+84.6	38.9'	LT			1	
106+89.9	38.5'	RT	1			
107+74.0	3.2'	RT		1		
110+33.1	3.0'	RT		1		
113+23.4	35.5'	RT				1
113+24.1	6.1'	RT				1
113+32.5	1.7'	RT		1		
113+32.8	34.7'	LT		1		
116+32.6	1.5'	RT		1		
117+88.5	7.1'	RT				1
117+97.3	15.7'	LT				1
118+02.8	5.0'	LT		1		
118+50.4	1.9'	RT		1		
120+54.8	1.9'	RT		1		
121+31.0	4.7'	LT		1		
122+43.6	15.6'	LT				1
122+49.3	27.6'	LT	1			
122+57.3	4.9'	LT		1		
122+60.2	2.1'	RT		1		
122+63.8	23.7'	LT				1
122+67.9	1.6'	RT				1
122+68.1	18.1'	RT				1
122+71.9	34.9'	RT				1
122+80.1	11.4'	LT		1		
TOTAL			2	14	2	13

PAVEMENT MARKING SCHEDULE

STATION TO STATION	SIDE	78005100	78005120	78005130	78005140	78005150	78005180		
		EPOXY PAVEMENT MARKING							
		LETTERS AND SYMBOLS	LINE 5"		LINE 6"	LINE 8"	LINE 12"		LINE 24"
			YELLOW SOLID	YELLOW SKIP-DASH	WHITE SOLID	WHITE SOLID	YELLOW SOLID	WHITE SOLID	WHITE SOLID
SO FT	FOOT								
MICHIGAN AVE									
CROSSWALK @ SOUTH MAIN INTERSECTION	LT & RT				119				
STA 100+67	LT						27		
STA 100+69 TO STA 104+28	LT & RT	32	1,213		127	96			
STA 104+28 TO STA 106+37	CL		53						
NORTH LEG OF SOUTH EAST				61			13		
SOUTH LEG OF SOUTH EAST				70			12		
STA 106+93 TO STA 113+08	LT & RT		151	152					
NORTH LEG OF SOUTH CLAY				59			13		
SOUTH LEG OF SOUTH CLAY				89			18		
STA 113+68 TO STA 122+43	CL		219						
NORTH LEG OF GOLTRA							13		
WEST LEG OF MICHIGAN/HARDIN INTERSECTION	RT						19		
CENTERLINE OF HARDIN AVE	LT & RT		27						
PAINTED ISLAND IN NE QUAD OF HARDIN AVE	LT				102	62			
EAST LEG OF MICHIGAN/HARDIN INTERSECTION	LT		10				16		
SUBTOTAL		32	1,213	460	677	102	96		
TOTAL		32	1,673	677	102	158	131		
USE		32	1,673	677	102	158	131		

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

STATION TO STATION	X4401198
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	SO YD
MICHIGAN AVE	
STA 100+75.63 TO STA 102+56.30	763.9
STA 102+56.30 TO STA 122+23.52	8,743.2
NORTH LEG OF SOUTH EAST	67.5
SOUTH LEG OF SOUTH EAST	101.5
NORTH LEG OF SOUTH CLAY	80.0
SOUTH LEG OF SOUTH CLAY	107.4
GOLTRA AVE	86.5
TOTAL	9,950.0
USE	9,950

STORM SEWER SCHEDULE

STATION	OFFSET	SIDE	TYPE	STANDARD AND DESIGN NUMBER	60240220	Z0056608
					INLETS, TYPE B, TYPE 3 FRAME & GRATE	STORM SEWER (WATER MAIN REQUIREMENTS)
					EACH	FOOT
MICHIGAN AVE						
GOLTRA INTERSECTION						
117+81.0	39.7'	LT	EX INLET			
			SS			14
117+82.8	25.0'	LT	INLET	602306, 604006	1	
TOTAL					1	14

FIRE HYDRANT COMPLETE

STATION	OFFSET	X5640175
		FIRE HYDRANT COMPLETE
		EACH
MICHIGAN AVE		
106+89.9	38.5' RT	1
122+49.3	27.6' LT	1
TOTAL		2

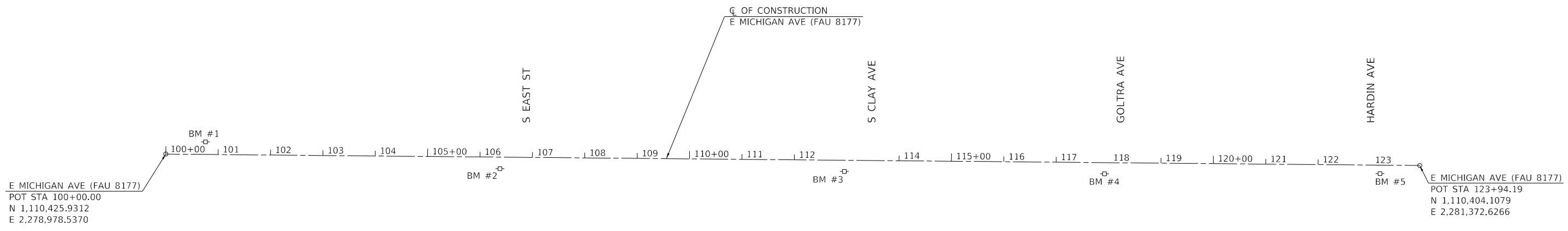
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST MICHIGAN AVE (FAU 8177)  
SCHEDULES OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	7
CONTRACT NO. 93720				
ILLINOIS FED. AID PROJECT				

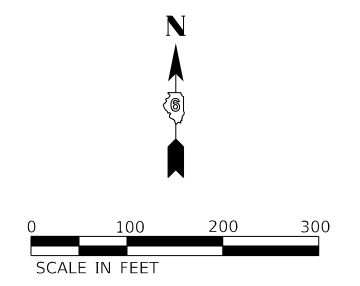
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

\* 17-00122-00-RS & 17-00127-00-RS



**BENCHMARKS**

- BM #1 RR SPIKE IN POWER POLE IN NORTHEAST QUAD OF E MICHIGAN AVE AND S MAIN ST INTERSECTION ELEV = 621.94
- BM #2 RR SPIKE IN POWER POLE IN SOUTHWEST QUAD OF E MICHIGAN AVE AND S EAST ST INTERSECTION ELEV = 625.56
- BM #3 RR SPIKE IN POWER POLE IN SOUTHWEST QUAD OF E MICHIGAN AVE AND S CLAY AVE INTERSECTION ELEV = 624.25
- BM #4 RR SPIKE IN POWER POLE ON E MICHIGAN AVE DIRECTLY ACROSS FROM GOLTRA AVE INTERSECTION ELEV = 622.32
- BM #5 RR SPIKE IN POWER POLE IN SOUTHEAST QUAD OF E MICHIGAN AVE AND HARDIN AVE INTERSECTION ELEV = 621.40



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	DRAWN - TJD	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)  
ALIGNMENT AND BENCHMARKS**

F.A.U. RTE. 8177	SECTION *	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 8
SCALE:			CONTRACT NO. 93720	
SHEET 1 OF 1 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT

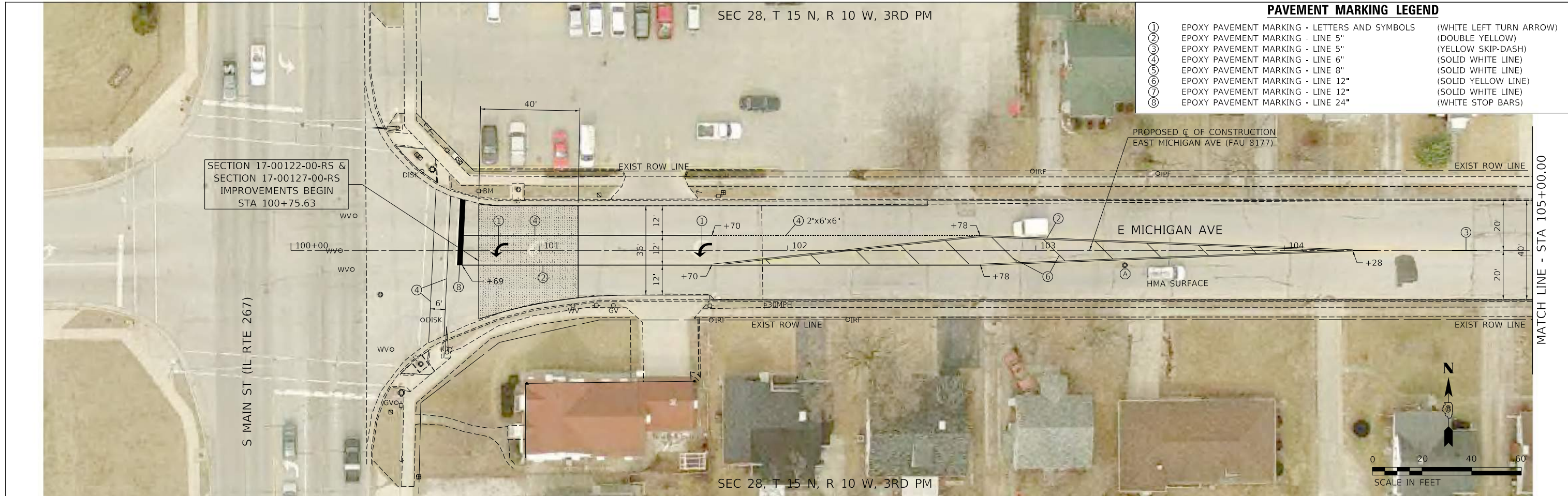
\* 17-00122-00-RS & 17-00127-00-RS



SEC 28, T 15 N, R 10 W, 3RD PM

**PAVEMENT MARKING LEGEND**

- ① EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE LEFT TURN ARROW)
- ② EPOXY PAVEMENT MARKING - LINE 5" (DOUBLE YELLOW)
- ③ EPOXY PAVEMENT MARKING - LINE 5" (YELLOW SKIP-DASH)
- ④ EPOXY PAVEMENT MARKING - LINE 6" (SOLID WHITE LINE)
- ⑤ EPOXY PAVEMENT MARKING - LINE 8" (SOLID WHITE LINE)
- ⑥ EPOXY PAVEMENT MARKING - LINE 12" (SOLID YELLOW LINE)
- ⑦ EPOXY PAVEMENT MARKING - LINE 12" (SOLID WHITE LINE)
- ⑧ EPOXY PAVEMENT MARKING - LINE 24" (WHITE STOP BARS)



SEC 28, T 15 N, R 10 W, 3RD PM

SEC 28, T 15 N, R 10 W, 3RD PM



SEC 28, T 15 N, R 10 W, 3RD PM

MODEL: ST0001.MXD  
FILE NAME: 17-00122-00-RS - E Michigan Ave (S Jackson) CADD Streets1219-sh-1-P101.dgn

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DRAWN - TJD	REVISIONS -	
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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

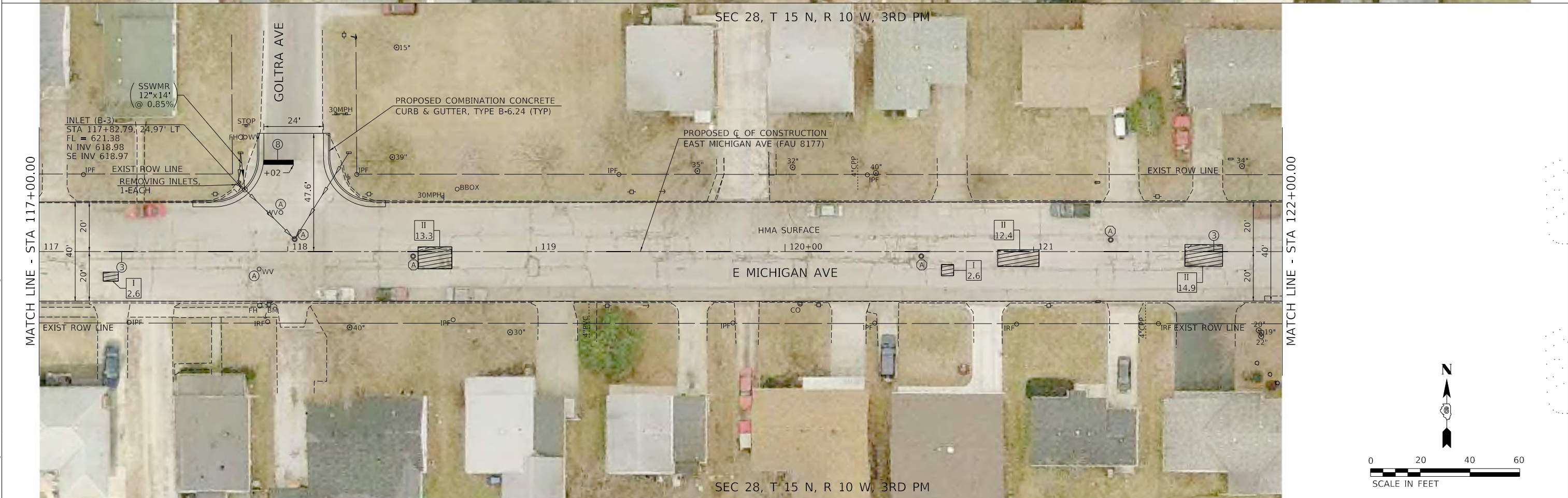
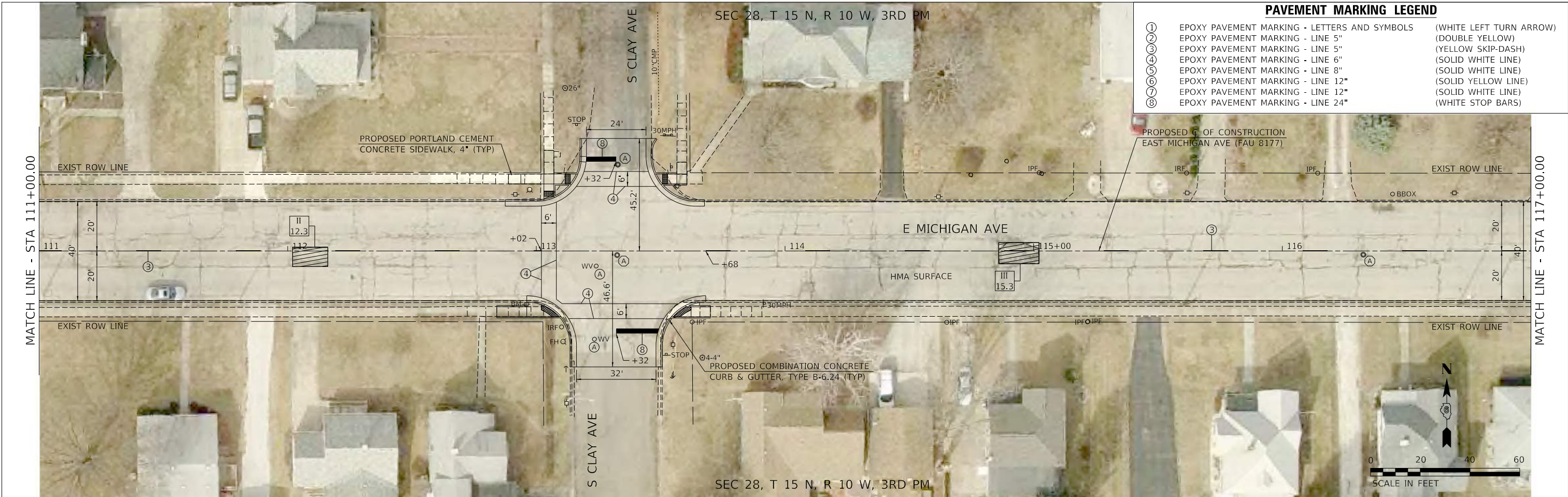
**EAST MICHIGAN AVE (FAU 8177)  
PLAN VIEW**

SCALE: SHEET 1 OF 3 SHEETS STA. 100+00.00 TO STA. 111+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 93720	

\* 17-00122-00-RS & 17-00127-00-RS

PAVEMENT MARKING LEGEND		
①	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	(WHITE LEFT TURN ARROW)
②	EPOXY PAVEMENT MARKING - LINE 5"	(DOUBLE YELLOW)
③	EPOXY PAVEMENT MARKING - LINE 5"	(YELLOW SKIP-DASH)
④	EPOXY PAVEMENT MARKING - LINE 6"	(SOLID WHITE LINE)
⑤	EPOXY PAVEMENT MARKING - LINE 8"	(SOLID WHITE LINE)
⑥	EPOXY PAVEMENT MARKING - LINE 12"	(SOLID YELLOW LINE)
⑦	EPOXY PAVEMENT MARKING - LINE 12"	(SOLID WHITE LINE)
⑧	EPOXY PAVEMENT MARKING - LINE 24"	(WHITE STOP BARS)



MODEL: ST0001NAM16  
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DRAWN - TJD	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

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

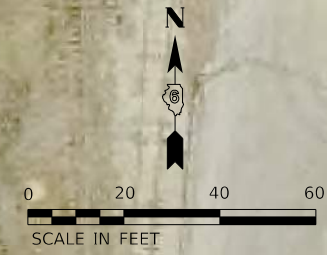
<b>EAST MICHIGAN AVE (FAU 8177)</b>			
<b>PLAN VIEW</b>			
SCALE:	SHEET 2	OF 3 SHEETS	STA. 111+00.00 TO STA. 122+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	10
CONTRACT NO. 93720				
ILLINOIS FED. AID PROJECT				

\* 17-00122-00-RS & 17-00127-00-RS



PAVEMENT MARKING LEGEND		
①	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	(WHITE LEFT TURN ARROW)
②	EPOXY PAVEMENT MARKING - LINE 5"	(DOUBLE YELLOW)
③	EPOXY PAVEMENT MARKING - LINE 5"	(YELLOW SKIP-DASH)
④	EPOXY PAVEMENT MARKING - LINE 6"	(SOLID WHITE LINE)
⑤	EPOXY PAVEMENT MARKING - LINE 8"	(SOLID WHITE LINE)
⑥	EPOXY PAVEMENT MARKING - LINE 12"	(SOLID YELLOW LINE)
⑦	EPOXY PAVEMENT MARKING - LINE 12"	(SOLID WHITE LINE)
⑧	EPOXY PAVEMENT MARKING - LINE 24"	(WHITE STOP BARS)



MODEL: \\MODEL\MAR\FE  
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	DRAWN - TJD	REVISED -
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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

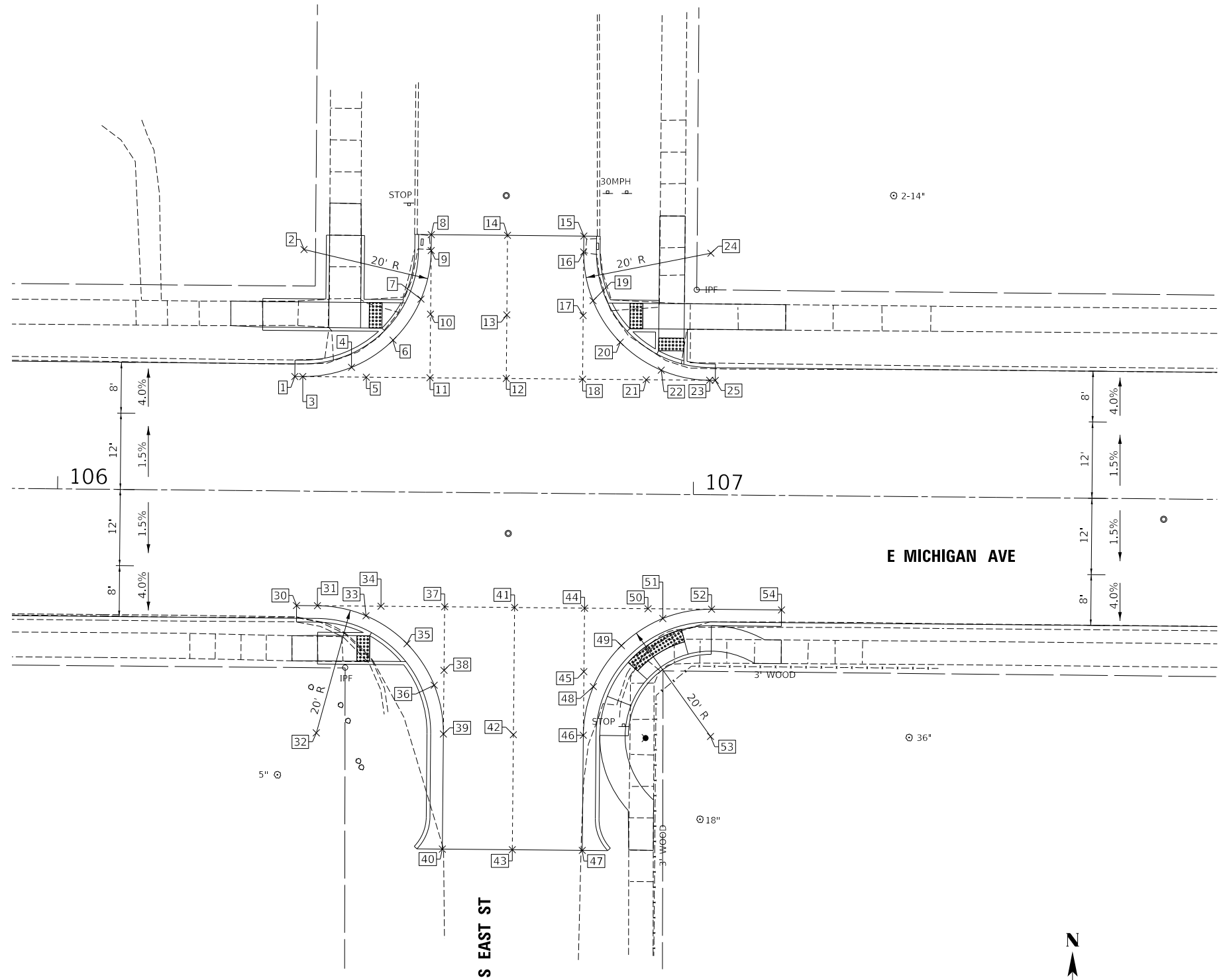
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)**  
**PLAN VIEW**

SCALE:	SHEET 3	OF 3	SHEETS	STA. 122+00.00	TO STA. 123+60.26
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	11
CONTRACT NO. 93720				
ILLINOIS FED. AID PROJECT				

\* 17-00122-00-RS & 17-00127-00-RS



POINT #	STATION	OFFSET		ELEVATION
1	106+37.16	18.00	LT	623.76
2	106+38.42	38.00	LT	
3	106+38.42	18.00	LT	623.73
4	106+46.07	19.52	LT	623.57
5	106+48.42	18.00	LT	623.84
6	106+52.56	23.86	LT	623.40
7	106+56.89	30.35	LT	623.34
8	106+58.42	40.50	LT	623.35
9	106+58.42	38.00	LT	623.30
10	106+58.42	28.00	LT	623.63
11	106+58.42	18.00	LT	623.95
12	106+70.42	18.00	LT	624.08
13	106+70.42	28.00	LT	623.88
14	106+70.42	40.50	LT	623.63
15	106+82.42	40.50	LT	623.40
16	106+82.42	38.00	LT	623.35
17	106+82.42	28.00	LT	623.67
18	106+82.42	18.00	LT	623.98
19	106+83.94	30.35	LT	623.41
20	106+88.27	23.86	LT	623.52
21	106+92.42	18.00	LT	623.90
22	106+94.76	19.52	LT	623.65
23	107+02.42	18.00	LT	623.80
24	107+02.42	38.00	LT	
25	107+03.29	18.00	LT	623.81

POINT #	STATION	OFFSET		ELEVATION
30	106+37.75	18.00	RT	623.88
31	106+41.04	38.00	RT	623.90
32	106+41.04	18.00	RT	
33	106+48.70	19.52	RT	623.96
34	106+51.04	18.00	RT	624.03
35	106+55.18	23.86	RT	624.03
36	106+59.52	30.35	RT	624.13
37	106+61.04	18.00	RT	624.15
38	106+61.04	28.00	RT	624.19
39	106+61.04	38.00	RT	624.22
40	106+61.04	56.10	RT	624.43
41	106+72.04	18.00	RT	624.31
42	106+72.04	38.00	RT	624.65
43	106+72.04	56.10	RT	624.95
44	106+83.04	18.00	RT	624.47
45	106+83.04	28.00	RT	624.49
46	106+83.04	38.00	RT	624.50
47	106+83.04	56.10	RT	624.53
48	106+84.57	30.35	RT	624.47
49	106+88.90	23.86	RT	624.40
50	106+93.04	18.00	RT	624.41
51	106+95.39	19.52	RT	624.38
52	107+03.04	18.00	RT	624.36
53	107+03.04	38.00	RT	
54	107+14.30	18.00	RT	624.24

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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

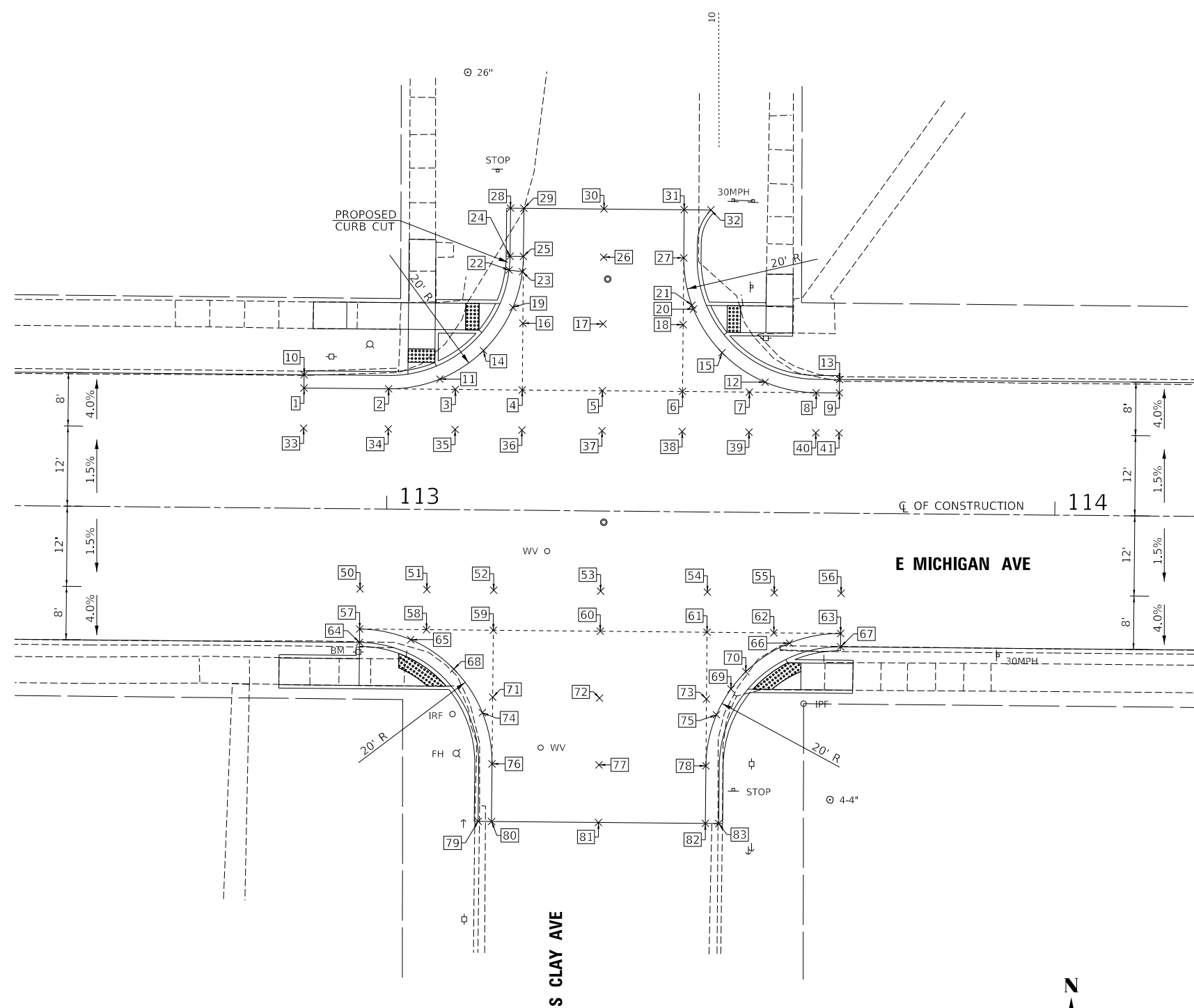
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)**  
**SOUTH EAST ST INTERSECTION DETAILS**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

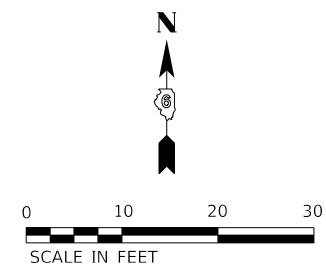
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	12
CONTRACT NO. 93720				
ILLINOIS		FED. AID PROJECT		

\* 17-00122-00-RS & 17-00127-00-RS



POINT #	STATION	OFFSET		ELEVATION
1	112+87.46	18.00	LT	622.70
2	113+00.12	18.00	LT	622.62
3	113+10.12	18.00	LT	622.72
4	113+20.12	18.00	LT	622.82
5	113+32.12	18.00	LT	622.94
6	113+44.12	18.00	LT	622.89
7	113+54.12	18.00	LT	622.70
8	113+64.12	18.00	LT	622.57
9	113+67.60	18.00	LT	622.52
10	112+87.46	20.00	LT	622.58
11	113+07.78	19.52	LT	622.58
12	113+56.47	19.52	LT	622.68
13	113+67.60	20.00	LT	622.40
14	113+14.26	23.86	LT	622.55
15	113+49.98	23.86	LT	622.78
16	113+20.12	28.00	LT	622.67
17	113+32.12	28.00	LT	622.85
18	113+44.12	28.00	LT	622.90
19	113+18.60	30.35	LT	622.51
20	113+45.64	30.35	LT	622.88
21	113+45.42	30.91	LT	622.89
22	113+18.00	35.94	LT	622.38
23	113+19.99	35.71	LT	622.51
24	113+18.12	38.00	LT	622.38
25	113+20.12	38.00	LT	622.51
26	113+32.12	38.00	LT	622.51
27	113+44.12	38.00	LT	622.84
28	113+18.12	45.21	LT	622.63
29	113+20.12	45.21	LT	622.75
30	113+32.12	45.21	LT	622.96
31	113+44.12	45.21	LT	622.80
32	113+48.12	45.21	LT	622.72
33	112+87.46	12.00	LT	623.07
34	113+00.12	12.00	LT	623.09
35	113+10.12	12.00	LT	623.11
36	113+20.12	12.00	LT	623.15
37	113+32.12	12.00	LT	623.18
38	113+44.12	12.00	LT	623.13
39	113+54.12	12.00	LT	623.05
40	113+64.12	12.00	LT	622.97
41	113+67.60	12.00	LT	622.95

POINT #	STATION	OFFSET		ELEVATION
50	112+96.12	12.00	RT	623.08
51	113+06.12	12.00	RT	623.10
52	113+16.12	12.00	RT	623.18
53	113+32.12	12.00	RT	623.18
54	113+48.12	12.00	RT	623.12
55	113+58.12	12.00	RT	623.06
56	113+68.12	12.00	RT	623.01
57	112+96.12	18.00	RT	622.71
58	113+06.12	18.00	RT	622.83
59	113+16.12	18.00	RT	622.95
60	113+32.12	18.00	RT	623.15
61	113+48.12	18.00	RT	622.91
62	113+58.12	18.00	RT	622.76
63	113+68.12	18.00	RT	622.60
64	112+96.12	20.00	RT	622.61
65	113+03.78	19.52	RT	622.67
66	113+60.47	19.52	RT	622.64
67	113+68.12	20.00	RT	622.48
68	113+10.26	23.86	RT	622.64
69	113+51.77	26.48	RT	622.66
70	113+53.98	23.86	RT	622.65
71	113+16.12	28.00	RT	622.74
72	113+32.12	28.00	RT	623.10
73	113+48.12	28.00	RT	622.74
74	113+14.60	30.35	RT	622.59
75	113+49.64	30.35	RT	622.63
76	113+16.12	38.00	RT	622.52
77	113+32.12	38.00	RT	623.04
78	113+48.12	38.00	RT	622.57
79	113+14.12	46.62	RT	622.31
80	113+16.12	46.62	RT	622.42
81	113+32.12	46.62	RT	622.99
82	113+48.12	46.62	RT	622.45
83	113+50.12	46.62	RT	622.37



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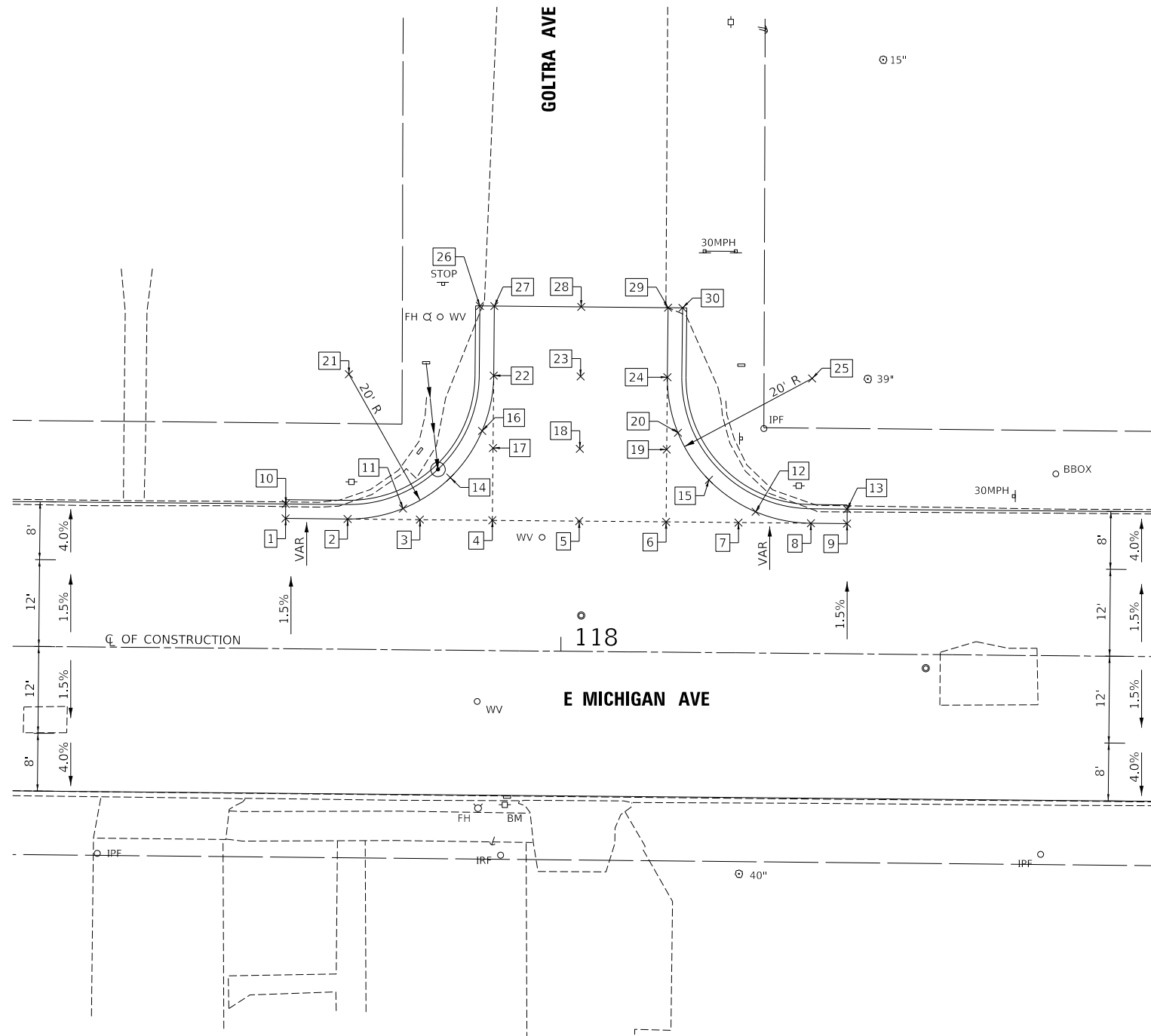
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)**  
**SOUTH CLAY AVE INTERSECTION DETAILS**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	13
CONTRACT NO. 93720				
		ILLINOIS	FED. AID PROJECT	

\* 17-00122-00-RS & 17-00127-00-RS



POINT #	STATION	OFFSET		ELEVATION
1	117+61.81	18.00	LT	621.71
2	117+70.37	18.00	LT	621.63
3	117+80.37	18.00	LT	621.64
4	117+90.37	18.00	LT	621.61
5	118+02.37	18.00	LT	621.56
6	118+14.37	18.00	LT	621.42
7	118+24.37	18.00	LT	621.31
8	118+34.37	18.00	LT	621.19
9	118+39.37	18.00	LT	621.15
10	117+61.81	20.00	LT	621.59
11	117+78.02	19.52	LT	621.56
12	118+26.72	19.52	LT	621.28
13	118+39.37	20.00	LT	621.03
14	117+84.51	23.86	LT	621.50
15	118+20.23	23.86	LT	621.37
16	117+88.85	30.35	LT	621.54
17	117+90.37	28.00	LT	621.56
18	118+02.37	28.00	LT	621.62
19	118+14.37	28.00	LT	621.54
20	118+15.89	30.35	LT	621.46
21	117+70.37	38.00	LT	
22	117+90.37	38.00	LT	621.57
23	118+02.37	38.00	LT	621.82
24	118+14.37	38.00	LT	621.55
25	118+34.37	38.00	LT	
26	117+88.37	47.60	LT	621.50
27	117+90.37	47.60	LT	621.62
28	118+02.37	47.60	LT	622.01
29	118+14.37	47.60	LT	621.67
30	118+16.37	47.60	LT	621.55

MODEL: s:\08\BEN\M\17\17-00122-00-RS - E Michigan Ave (5 Jackson Hill)\CADD\CADD Sheets\17-00122-00-RS - E Michigan Ave.dgn  
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	DRAWN - TJD	REVISED -
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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

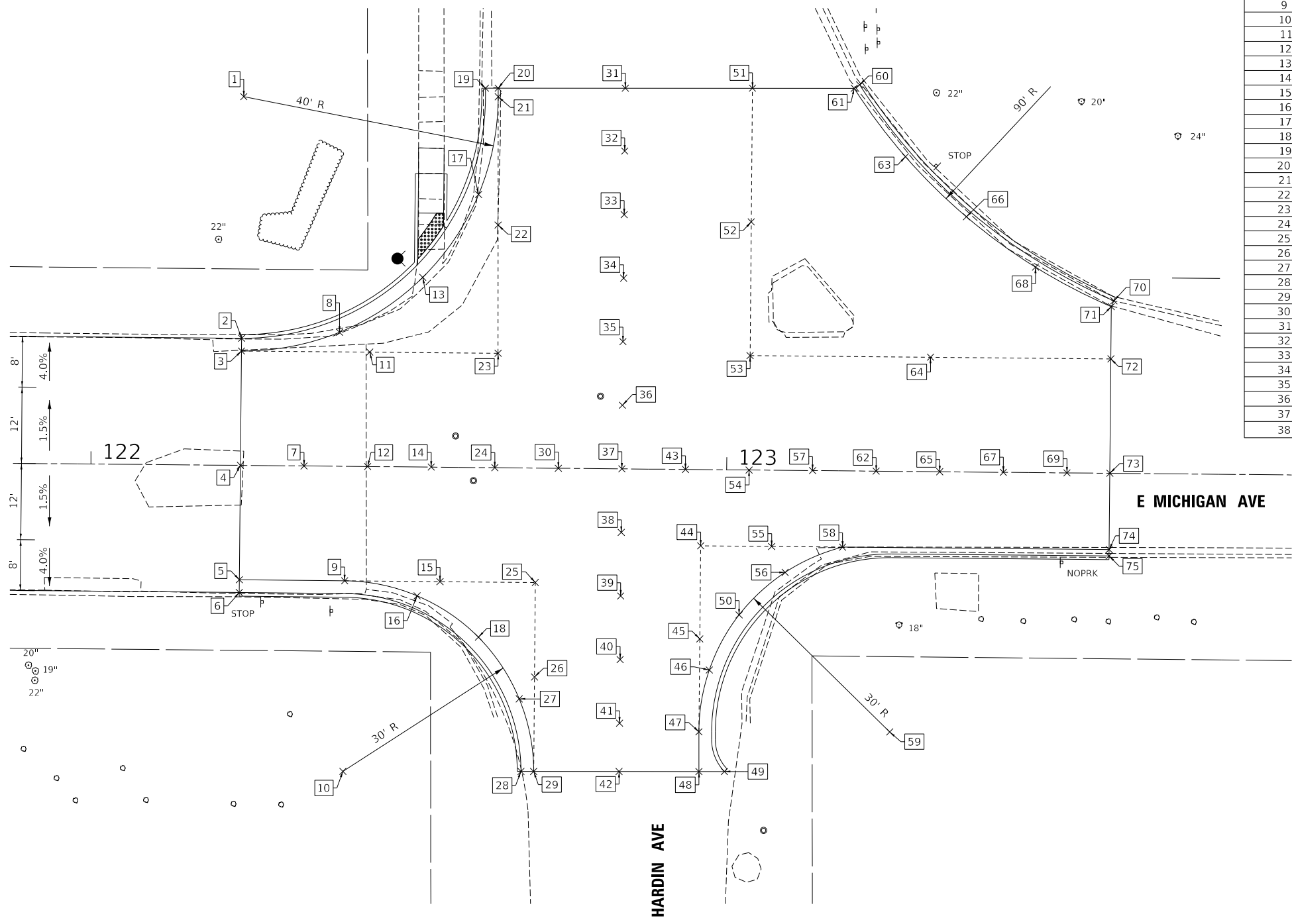
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EAST MICHIGAN AVE (FAU 8177)</b> <b>GOLTRA AVE INTERSECTION DETAILS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		8177	*	MORGAN	23	14
SCALE:		SHEET 3 OF 4 SHEETS		STA. TO STA.		

ILLINOIS		FED. AID PROJECT	
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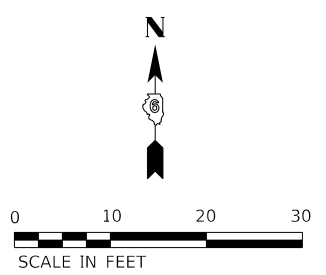
\* 17-00122-00-RS & 17-00127-00-RS

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POINT #	STATION	OFFSET	ELEVATION
1	122+23.52	58.00 LT	
2	122+23.52	20.00 LT	618.40
3	122+23.52	18.00 LT	618.52
4	122+23.52	0.00 RT	619.10
5	122+23.52	18.00 RT	618.67
6	122+23.52	20.00 RT	618.55
7	122+33.52	0.00 RT	619.13
8	122+38.91	21.08 LT	618.60
9	122+40.07	18.00 RT	618.87
10	122+40.07	48.00 RT	
11	122+43.70	18.00 LT	618.68
12	122+43.52	0.00 RT	619.16
13	122+51.93	29.84 LT	618.59
14	122+53.52	0.00 RT	619.19
15	122+55.07	18.00 RT	619.05
16	122+51.49	20.26 RT	619.01
17	122+60.58	42.94 LT	618.35
18	122+61.19	26.69 RT	619.17
19	122+61.51	59.68 LT	617.62
20	122+63.51	59.70 LT	617.79
21	122+63.52	58.36 LT	617.80
22	122+63.70	38.18 LT	618.48
23	122+63.88	18.00 LT	619.02
24	122+63.52	0.00 RT	619.22
25	122+70.07	18.00 RT	619.47
26	122+70.07	32.87 RT	619.51
27	122+67.71	36.33 RT	619.33
28	122+68.07	47.75 RT	619.39
29	122+70.07	47.73 RT	619.51
30	122+73.52	0.00 RT	619.32
31	122+83.51	59.88 LT	617.84
32	122+83.51	50.00 LT	618.21
33	122+83.51	40.00 LT	618.54
34	122+83.51	30.00 LT	618.83
35	122+83.51	20.00 LT	619.08
36	122+83.51	10.00 LT	619.29
37	122+83.51	0.00 RT	619.47
38	122+83.51	10.00 RT	619.60

POINT #	STATION	OFFSET	ELEVATION
39	122+83.51	20.00 RT	619.69
40	122+83.51	30.00 RT	619.74
41	122+83.51	40.00 RT	619.77
42	122+83.51	47.61 RT	619.79
43	122+93.51	0.00 RT	619.32
44	122+96.01	12.00 RT	619.43
45	122+96.01	26.63 RT	619.45
46	122+97.55	31.53 RT	619.41
47	122+96.01	41.27 RT	619.40
48	122+96.07	47.50 RT	619.42
49	123+00.07	47.46 RT	619.18
50	123+02.16	22.81 RT	619.44
51	123+03.51	60.06 LT	617.44
52	123+03.51	39.03 LT	618.27
53	123+03.51	18.00 LT	618.88
54	123+03.51	0.00 RT	619.22
55	123+07.17	12.00 RT	619.45
56	123+09.34	16.06 RT	619.45
57	123+13.51	0.00 RT	619.26
58	123+18.33	12.00 RT	619.47
59	123+26.01	41.00 RT	
60	123+20.35	60.74 LT	617.75
61	123+19.51	60.20 LT	617.71
62	123+23.51	0.00 RT	619.38
63	123+27.67	49.50 LT	618.22
64	123+31.88	18.00 LT	619.10
65	123+33.51	0.00 RT	619.48
66	123+37.32	40.14 LT	618.60
67	123+43.51	0.00 RT	619.56
68	123+48.27	32.32 LT	618.95
69	123+53.51	0.00 RT	619.61
70	123+60.64	27.15 LT	619.21
71	123+60.26	26.22 LT	619.20
72	123+60.26	18.00 LT	619.28
73	123+60.26	0.00 RT	619.65
74	123+60.26	12.00 RT	619.78
75	123+60.26	13.00 RT	619.78



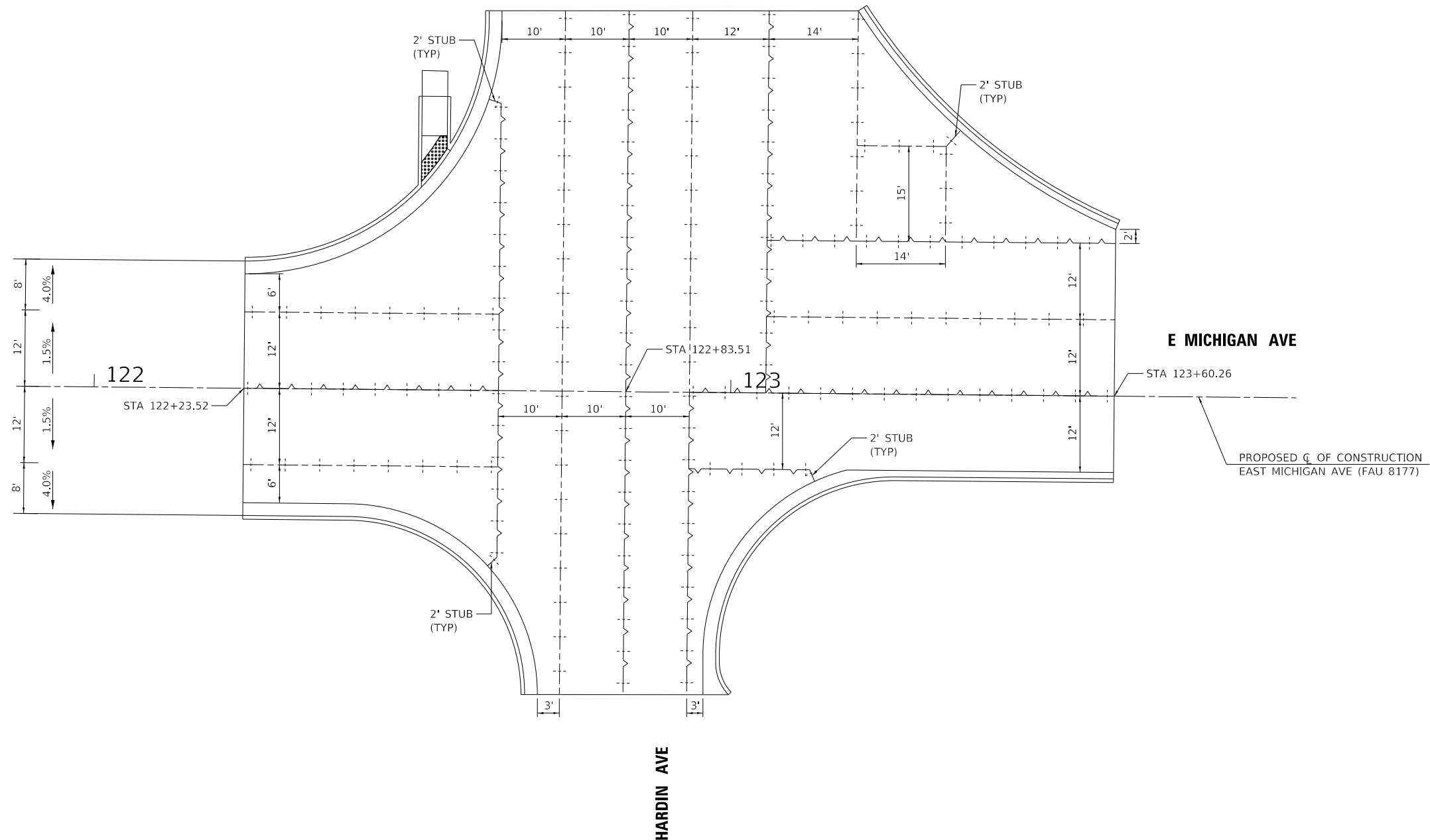
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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EAST MICHIGAN AVE (FAU 8177) HARDIN AVE INTERSECTION DETAILS</b>			
SCALE:	SHEET 4	OF 4	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	15
CONTRACT NO. 93720				
ILLINOIS		FED. AID PROJECT		

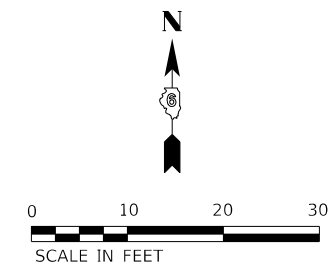
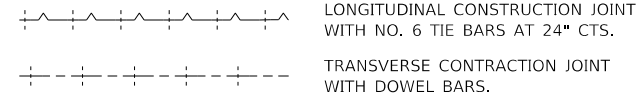
\* 17-00122-00-RS & 17-00127-00-RS



- NOTES:
1. SPACING FOR TRANSVERSE CONTRACTION JOINTS WITH DOWEL BARS IS 15' (TYP) UNLESS OTHERWISE NOTED.
  2. REFER TO IDOT STD 420001, 420106 AND 420111 FOR JOINTING DETAILS.

**EAST MICHIGAN AVE AND HARDIN AVE**

**JOINTING LEGEND**



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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)  
HARDIN AVE JOINTING PLAN**

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

F.A.U. RTE. 8177	SECTION *	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 93720	

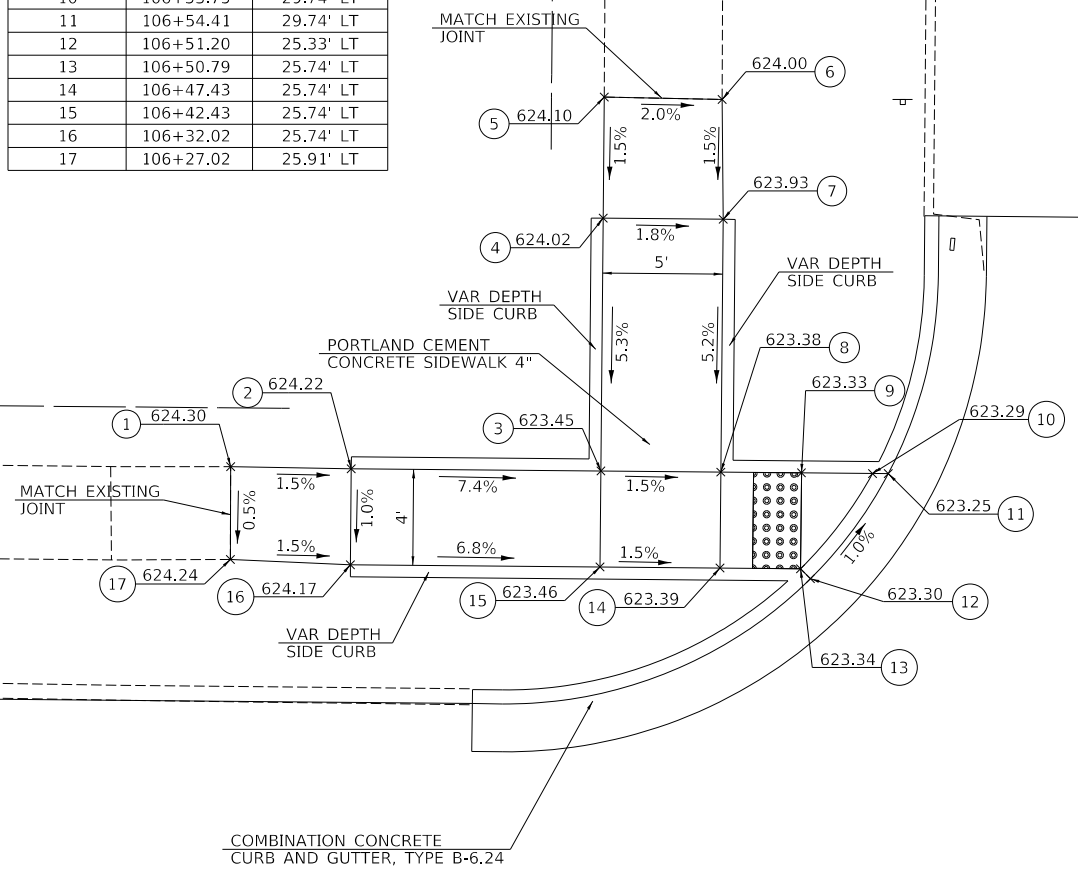
\* 17-00122-00-RS & 17-00127-00-RS



- NOTES:
- EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER MAY ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMPS. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
  - MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%)
  - MAX. ALLOWABLE SLOPE OF TURNING SPACE - 1:50 (2%)
  - MIN. ALLOWABLE WIDTH OF RAMP = 4'
  - MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%)

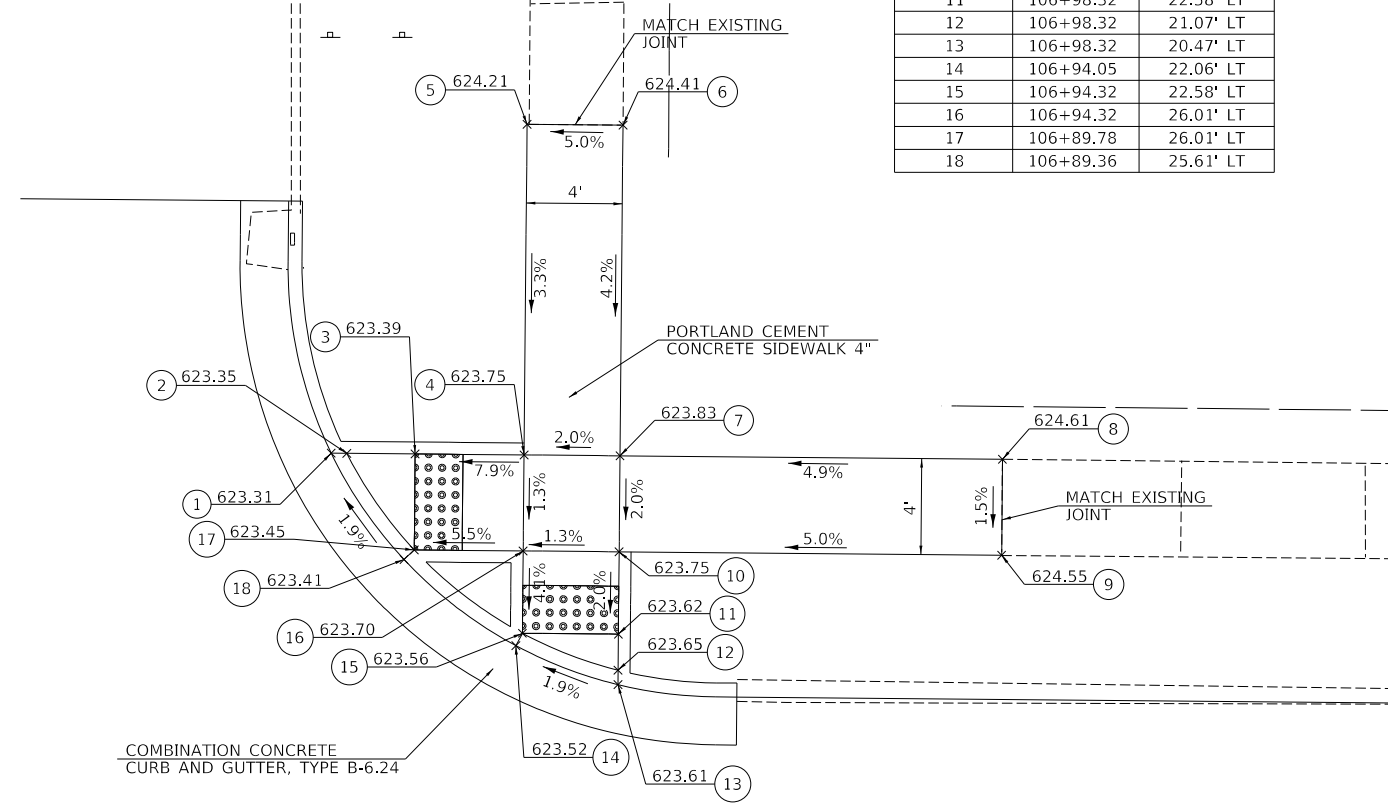
N.W. QUADRANT OF  
E MICHIGAN AVE AND S EAST ST

LOCATION	STATION	OFFSET
1	106+27.00	29.78' LT
2	106+32.02	29.74' LT
3	106+42.43	29.74' LT
4	106+42.43	40.28' LT
5	106+42.43	45.33' LT
6	106+47.34	45.28' LT
7	106+47.43	40.28' LT
8	106+47.43	29.74' LT
9	106+50.79	29.74' LT
10	106+53.75	29.74' LT
11	106+54.41	29.74' LT
12	106+51.20	25.33' LT
13	106+50.79	25.74' LT
14	106+47.43	25.74' LT
15	106+42.43	25.74' LT
16	106+32.02	25.74' LT
17	106+27.02	25.91' LT



N.E. QUADRANT OF  
E MICHIGAN AVE AND S EAST ST

LOCATION	STATION	OFFSET
1	106+86.29	30.01' LT
2	106+86.94	30.01' LT
3	106+89.78	30.01' LT
4	106+94.32	30.01' LT
5	106+94.32	43.79' LT
6	106+98.32	43.79' LT
7	106+98.32	30.01' LT
8	107+14.26	30.01' LT
9	107+14.26	26.01' LT
10	106+98.32	26.01' LT
11	106+98.32	22.58' LT
12	106+98.32	21.07' LT
13	106+98.32	20.47' LT
14	106+94.05	22.06' LT
15	106+94.32	22.58' LT
16	106+94.32	26.01' LT
17	106+89.78	26.01' LT
18	106+89.36	25.61' LT



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	DRAWN - TJD	REVISED -
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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST MICHIGAN AVE (FAU 8177)		F.A.U. RTE. 8177	SECTION *	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 17
SOUTH EAST ST SIDEWALK ADA RAMP DETAILS		SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.		CONTRACT NO. 93720		

ILLINOIS	FED. AID PROJECT
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\* 17-00122-00-RS & 17-00127-00-RS

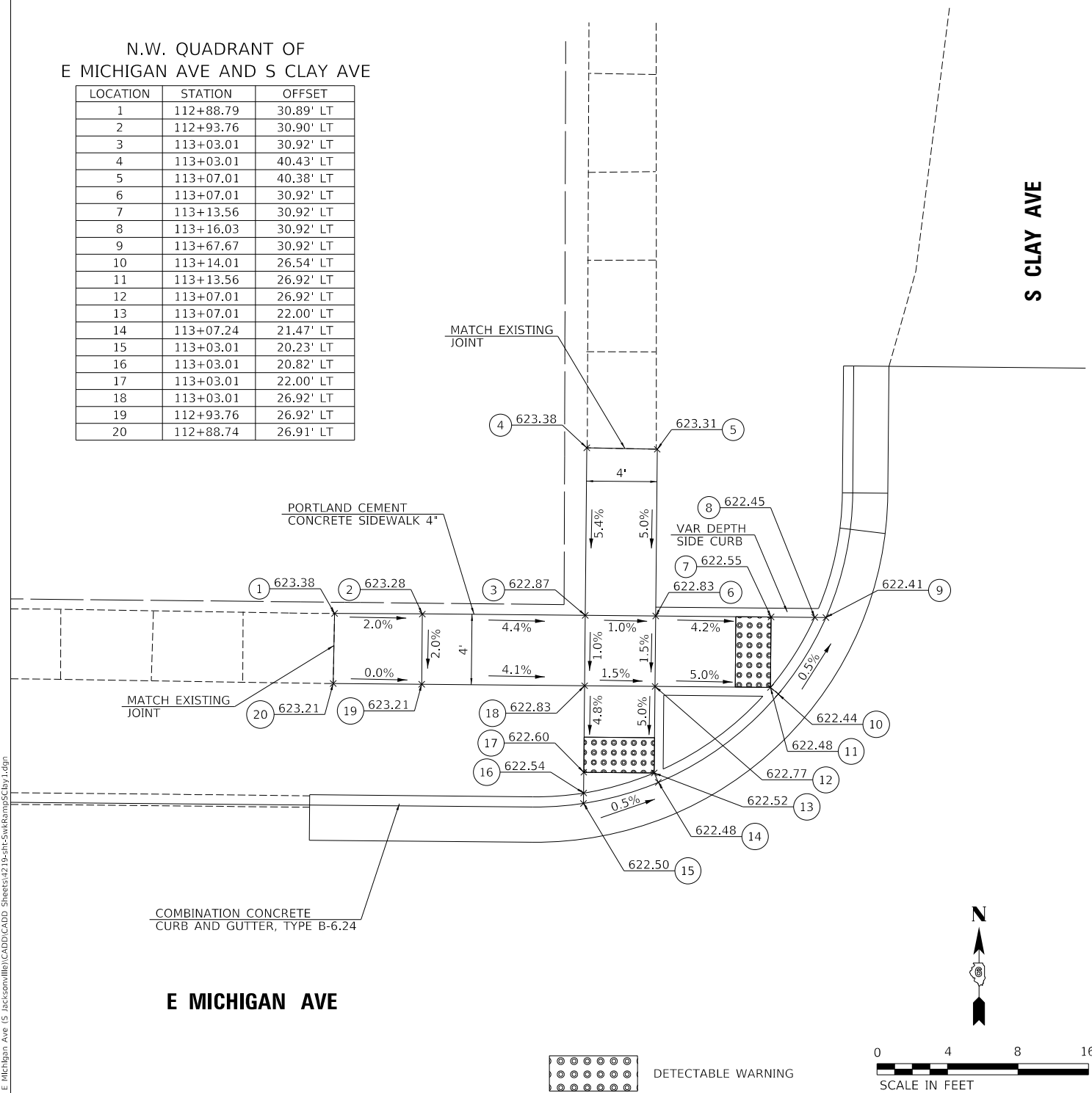


NOTES:

- EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER MAY ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMPS. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
- MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%)
- MAX. ALLOWABLE SLOPE OF TURNING SPACE - 1:50 (2%)
- MIN. ALLOWABLE WIDTH OF RAMP = 4'
- MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%)

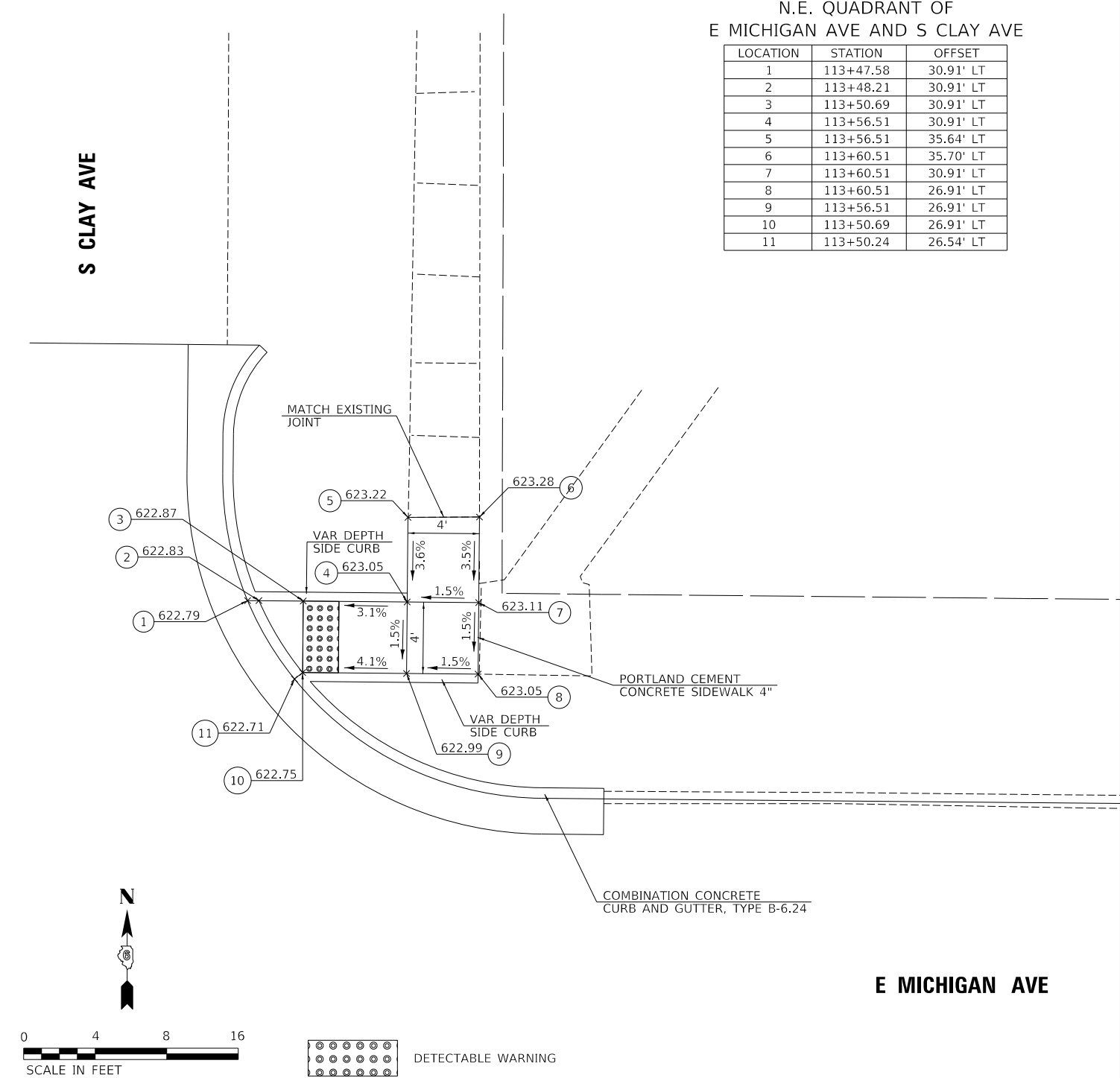
N.W. QUADRANT OF  
E MICHIGAN AVE AND S CLAY AVE

LOCATION	STATION	OFFSET
1	112+88.79	30.89' LT
2	112+93.76	30.90' LT
3	113+03.01	30.92' LT
4	113+03.01	40.43' LT
5	113+07.01	40.38' LT
6	113+07.01	30.92' LT
7	113+13.56	30.92' LT
8	113+16.03	30.92' LT
9	113+67.67	30.92' LT
10	113+14.01	26.54' LT
11	113+13.56	26.92' LT
12	113+07.01	26.92' LT
13	113+07.01	22.00' LT
14	113+07.24	21.47' LT
15	113+03.01	20.23' LT
16	113+03.01	20.82' LT
17	113+03.01	22.00' LT
18	113+03.01	26.92' LT
19	112+93.76	26.92' LT
20	112+88.74	26.91' LT



N.E. QUADRANT OF  
E MICHIGAN AVE AND S CLAY AVE

LOCATION	STATION	OFFSET
1	113+47.58	30.91' LT
2	113+48.21	30.91' LT
3	113+50.69	30.91' LT
4	113+56.51	30.91' LT
5	113+56.51	35.64' LT
6	113+60.51	35.70' LT
7	113+60.51	30.91' LT
8	113+60.51	26.91' LT
9	113+56.51	26.91' LT
10	113+50.69	26.91' LT
11	113+50.24	26.54' LT



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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST MICHIGAN AVE (FAU 8177)  
SOUTH CLAY AVE SIDEWALK ADA RAMP DETAILS

F.A.U. RTE. 8177	SECTION *	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 19
CONTRACT NO. 93720			ILLINOIS FED. AID PROJECT	

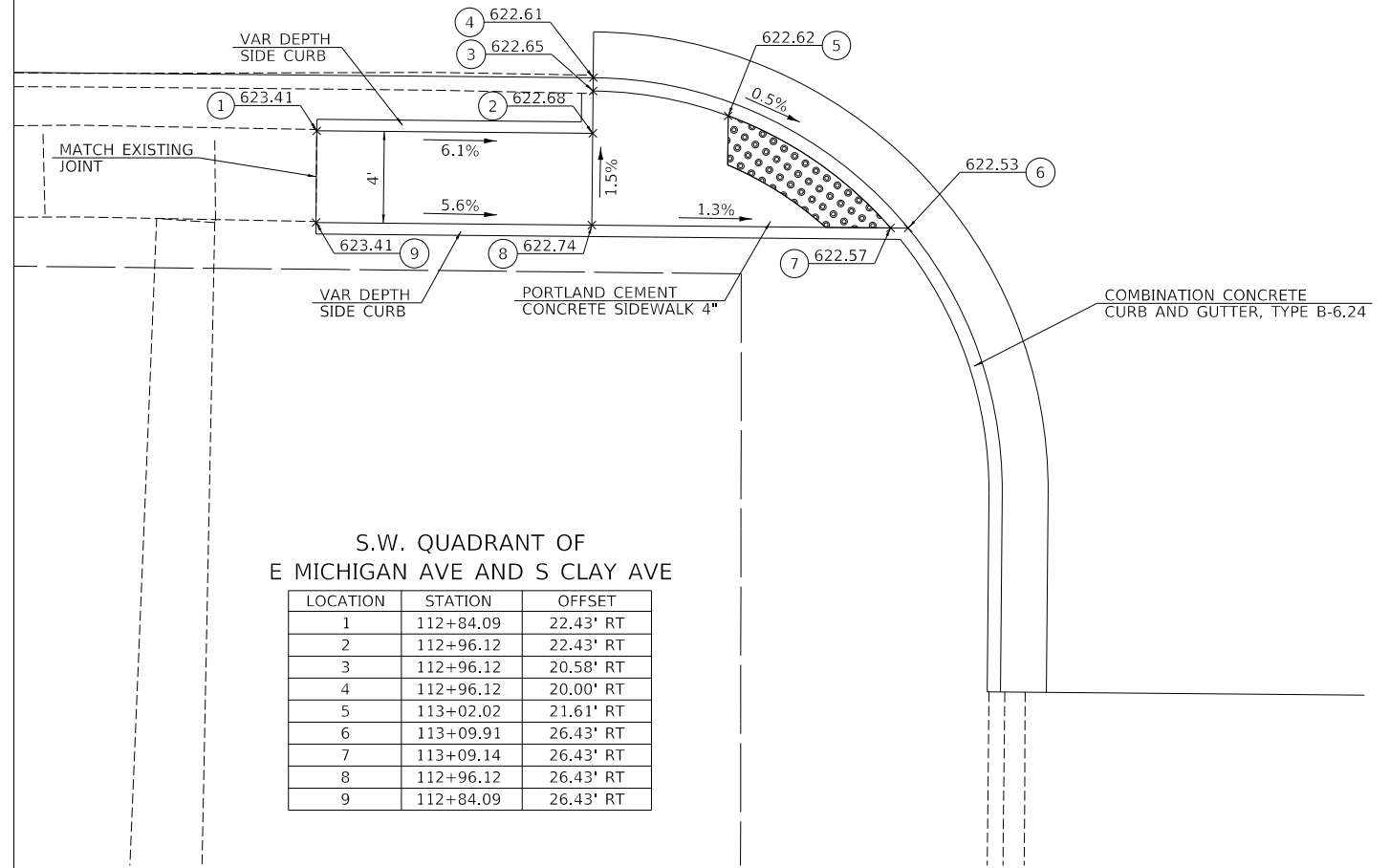
SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

\* 17-00122-00-RS & 17-00127-00-RS

E MICHIGAN AVE

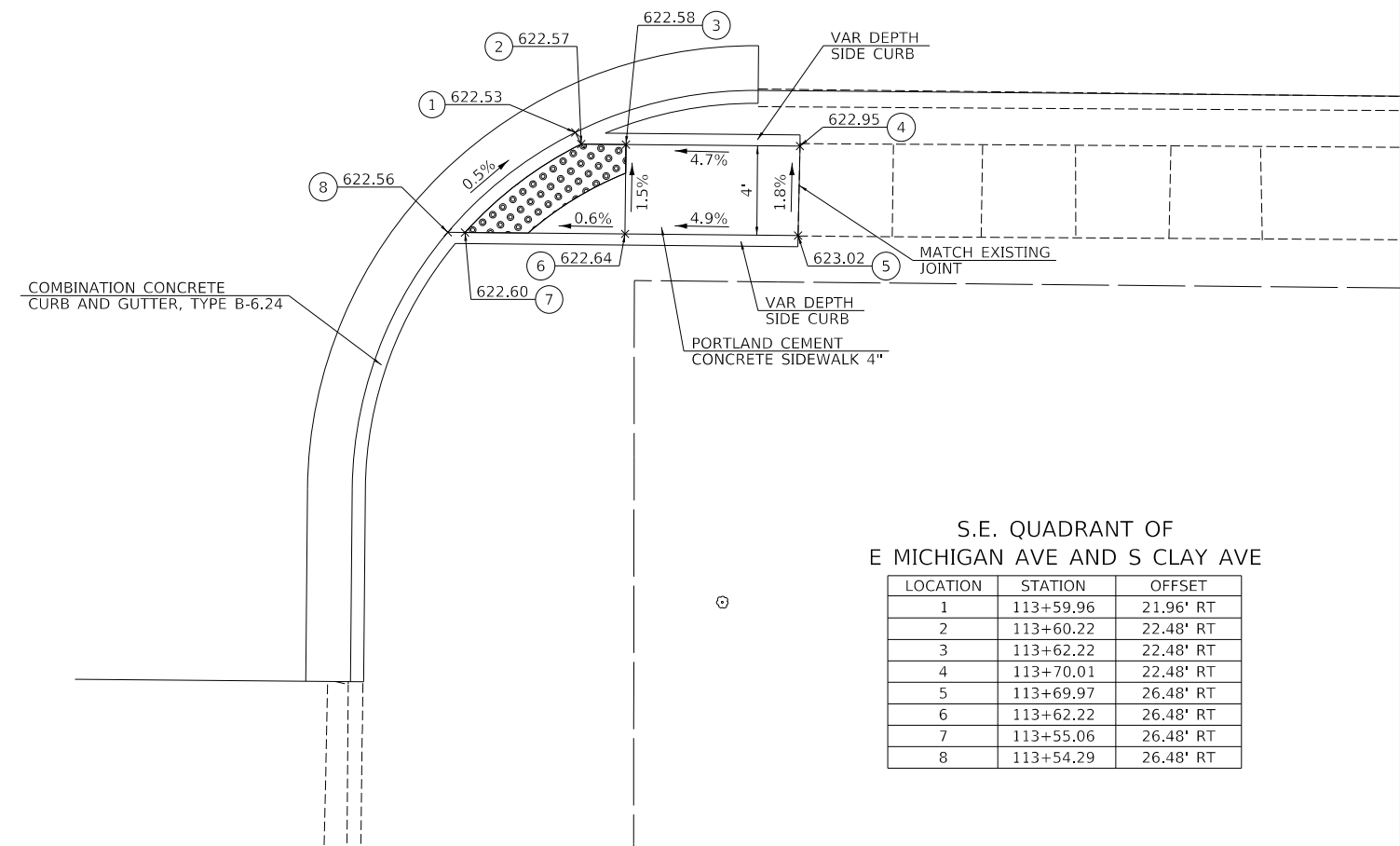
E MICHIGAN AVE

- NOTES:
- EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER MAY ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMPS. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
  - MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%)
  - MAX. ALLOWABLE SLOPE OF TURNING SPACE - 1:50 (2%)
  - MIN. ALLOWABLE WIDTH OF RAMP = 4'
  - MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%)



S.W. QUADRANT OF  
E MICHIGAN AVE AND S CLAY AVE

LOCATION	STATION	OFFSET
1	112+84.09	22.43' RT
2	112+96.12	22.43' RT
3	112+96.12	20.58' RT
4	112+96.12	20.00' RT
5	113+02.02	21.61' RT
6	113+09.91	26.43' RT
7	113+09.14	26.43' RT
8	112+96.12	26.43' RT
9	112+84.09	26.43' RT

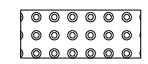
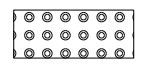


S.E. QUADRANT OF  
E MICHIGAN AVE AND S CLAY AVE

LOCATION	STATION	OFFSET
1	113+59.96	21.96' RT
2	113+60.22	22.48' RT
3	113+62.22	22.48' RT
4	113+70.01	22.48' RT
5	113+69.97	26.48' RT
6	113+62.22	26.48' RT
7	113+55.06	26.48' RT
8	113+54.29	26.48' RT

S CLAY AVE

S CLAY AVE



DETECTABLE WARNING

DETECTABLE WARNING

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DRAWN - TJD	REVISED -	
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PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST MICHIGAN AVE (FAU 8177)  
SOUTH CLAY AVE SIDEWALK ADA RAMP DETAILS

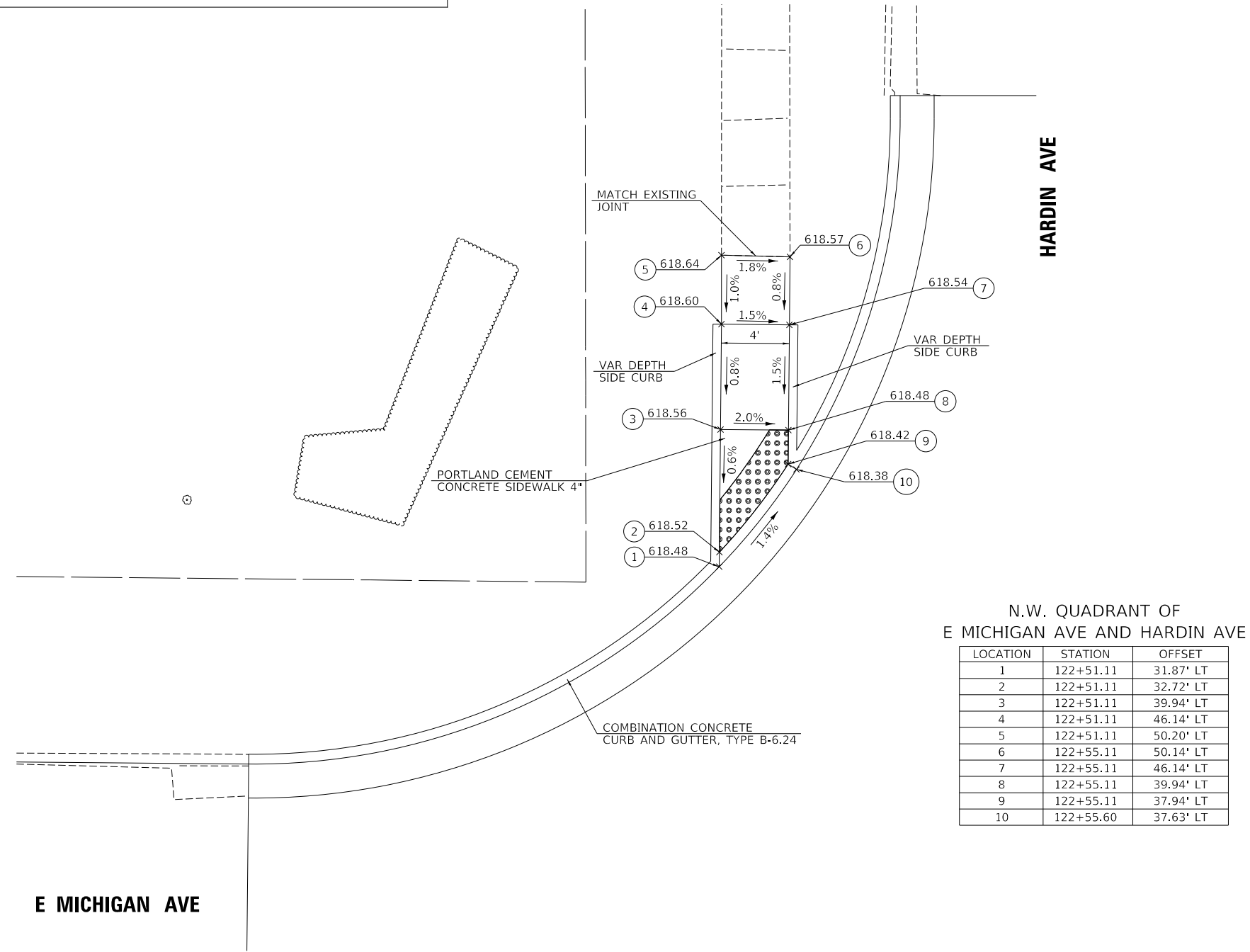
SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE. 8177	SECTION *	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 20
CONTRACT NO. 93720			ILLINOIS FED. AID PROJECT	

\* 17-00122-00-RS & 17-00127-00-RS

NOTES:

1. EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER MAY ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMPS. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
2. MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%)
3. MAX. ALLOWABLE SLOPE OF TURNING SPACE - 1:50 (2%)
4. MIN. ALLOWABLE WIDTH OF RAMP = 4'
5. MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%)



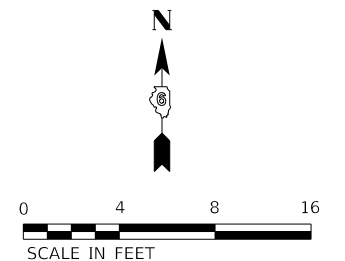
N.W. QUADRANT OF  
E MICHIGAN AVE AND HARDIN AVE

LOCATION	STATION	OFFSET
1	122+51.11	31.87' LT
2	122+51.11	32.72' LT
3	122+51.11	39.94' LT
4	122+51.11	46.14' LT
5	122+51.11	50.20' LT
6	122+55.11	50.14' LT
7	122+55.11	46.14' LT
8	122+55.11	39.94' LT
9	122+55.11	37.94' LT
10	122+55.60	37.63' LT

MODEL: s:\MODEL\MAME  
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DETECTABLE WARNING



USER NAME = JDeen	DESIGNED - BMB	REVISED -
	DRAWN - TJD	REVISED -
PLOT SCALE = 8,000' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

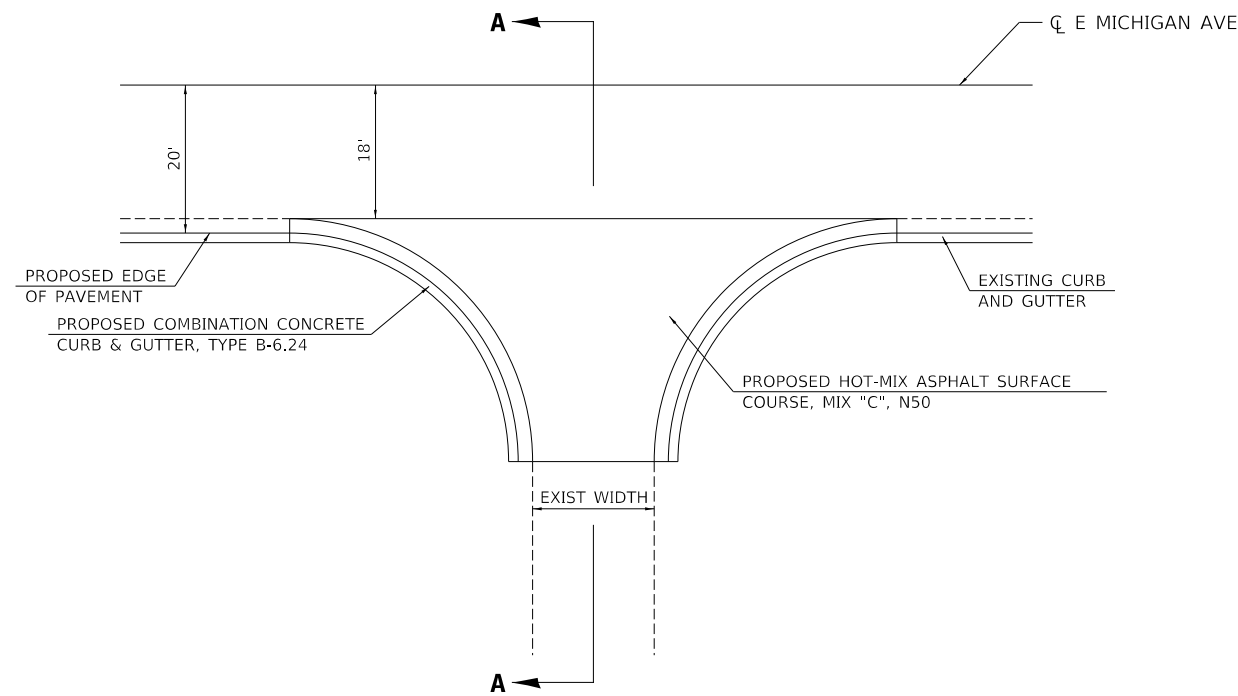
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)  
HARDIN AVE SIDEWALK ADA RAMP DETAILS**

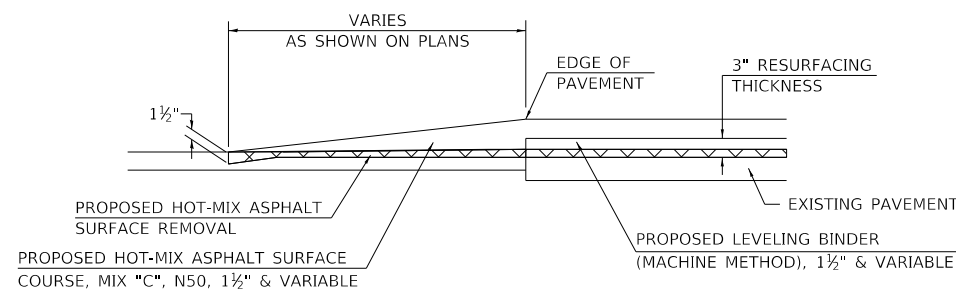
SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8177	*	MORGAN	23	21
CONTRACT NO. 93720				
ILLINOIS FED. AID PROJECT				

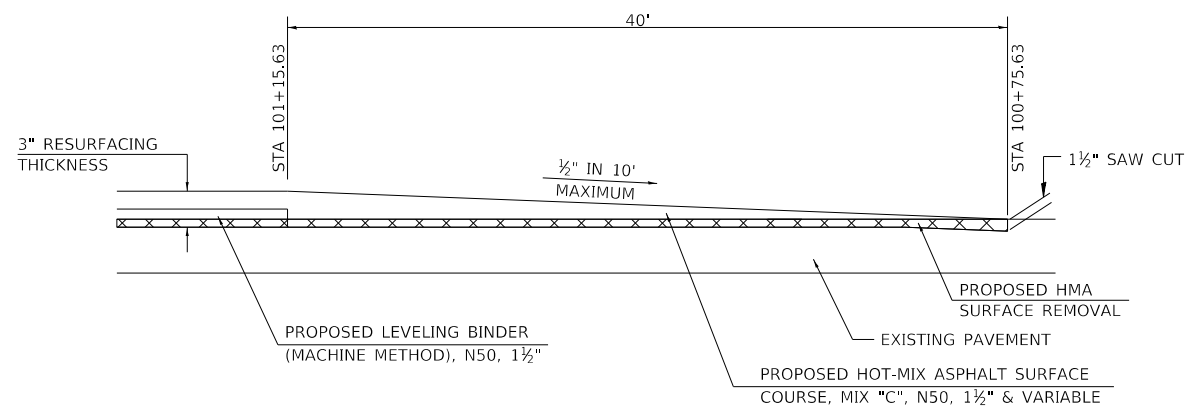
\* 17-00122-00-RS & 17-00127-00-RS



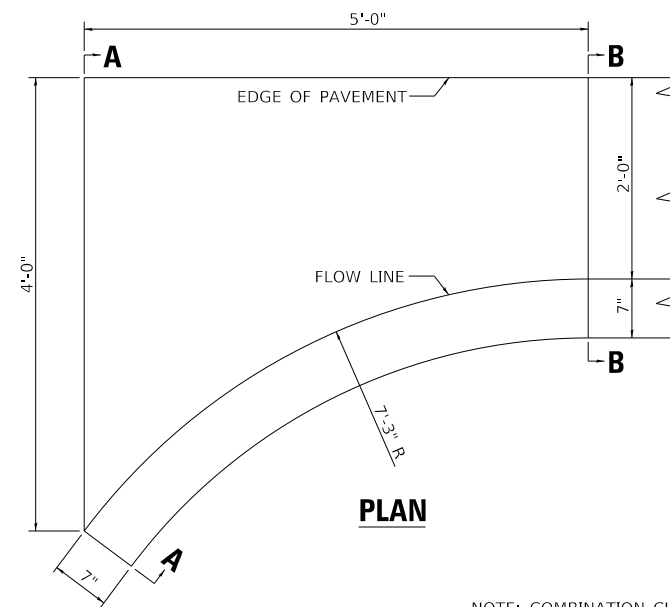
**PLAN VIEW**



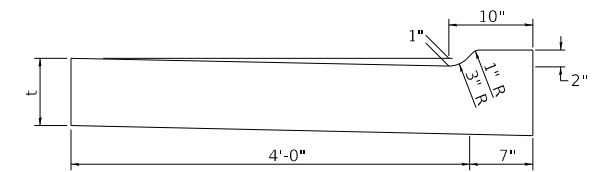
**SECTION A-A  
PROPOSED SIDEROAD TAPER  
SIDEROAD DETAIL**



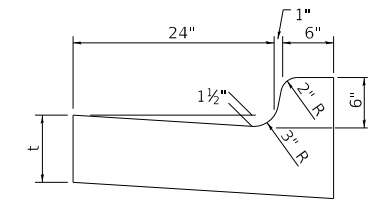
**HMA TAPER DETAIL**



**PLAN**



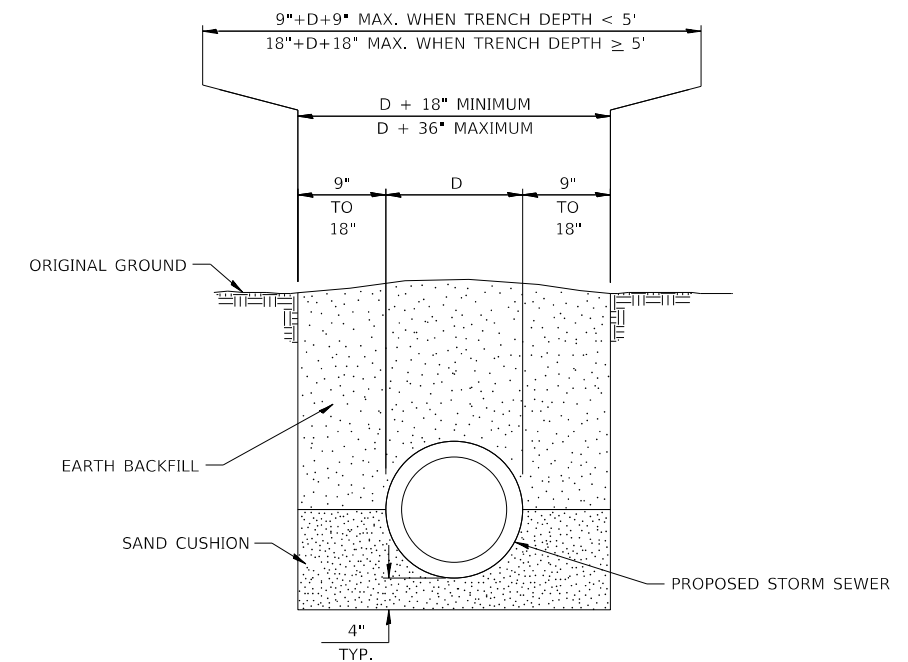
**SECTION A-A**



**SECTION B-B**

NOTE: COMBINATION CURB AND GUTTER TAPERS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TYPE B-6.18 COMBINATION CURB AND GUTTER

**DETAIL OF TAPER FOR COMBINATION  
CONCRETE CURB AND GUTTER, TYPE B-6.24**



**DETAIL OF TRENCH EXCAVATION  
AND BACKFILL UNDER TURF**

MODEL: 140821.MXD  
FILE NAME: 031213 - E Michigan Ave (S Jackson Hill) CADD CADD Sheets 1219-shs-5pdr01.dgn

USER NAME = JDeen	DESIGNED - JRB	REVISED -
DRAWN - TJD	REVISIONS -	
PLOT SCALE = 4,000' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

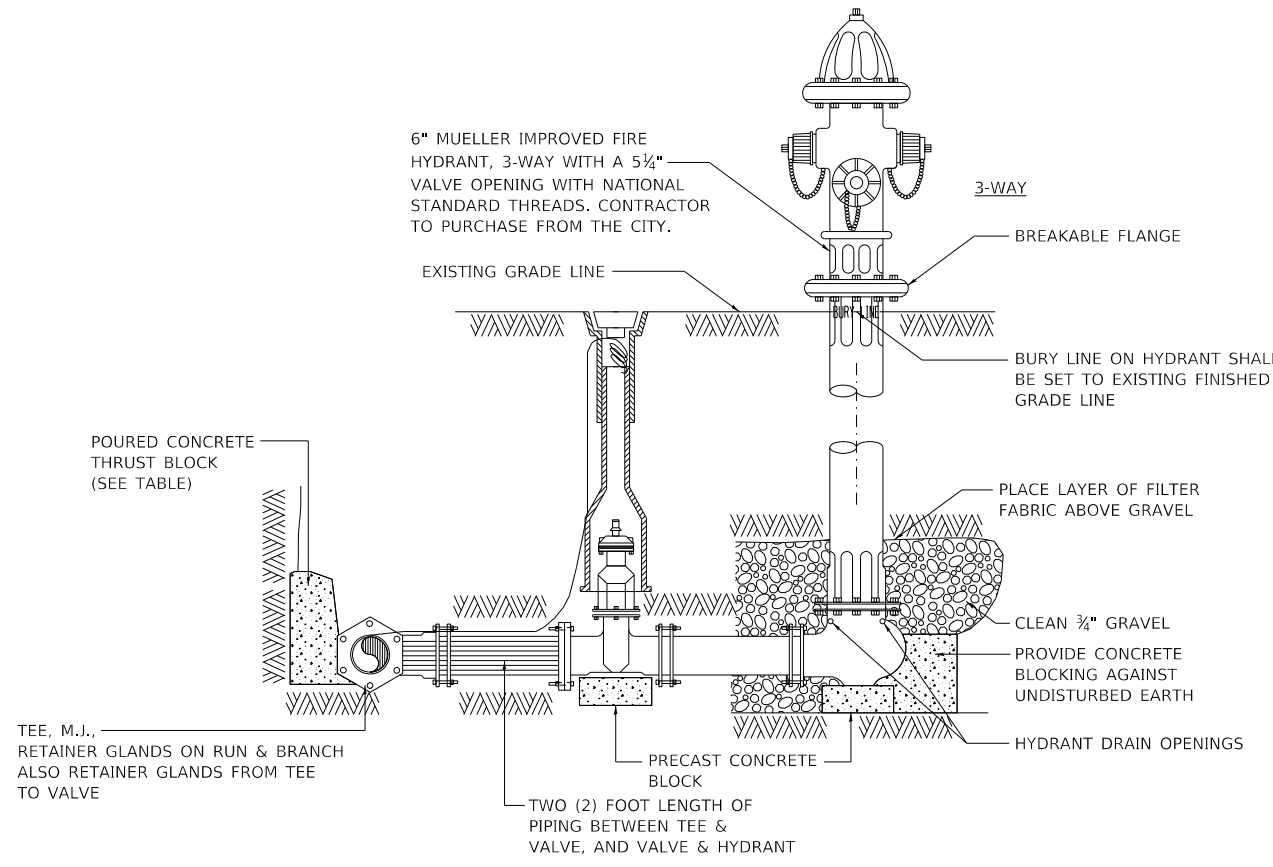
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST MICHIGAN AVE (FAU 8177)  
SPECIAL DETAILS**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

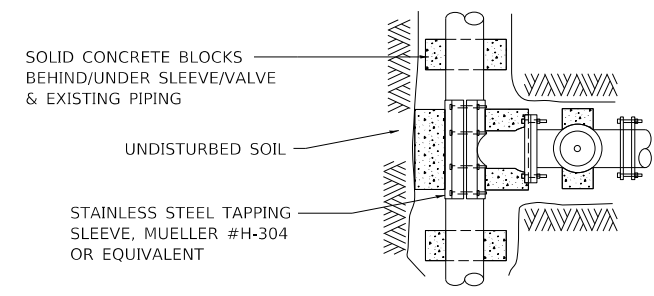
F.A.U. RTE. 8177	SECTION *	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 22
			CONTRACT NO. 93720	
		ILLINOIS FED. AID PROJECT		

\* 17-00122-00-RS & 17-00127-00-RS

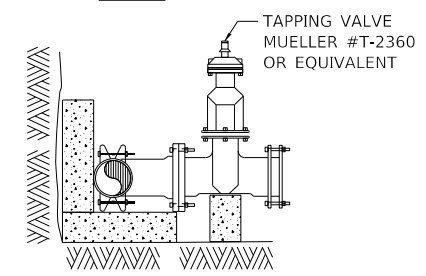


### HYDRANT INSTALLATION

(NOT TO SCALE)



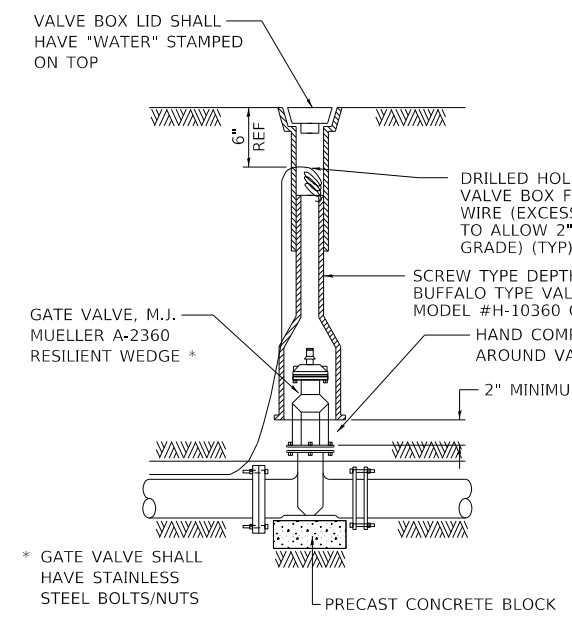
### PLAN



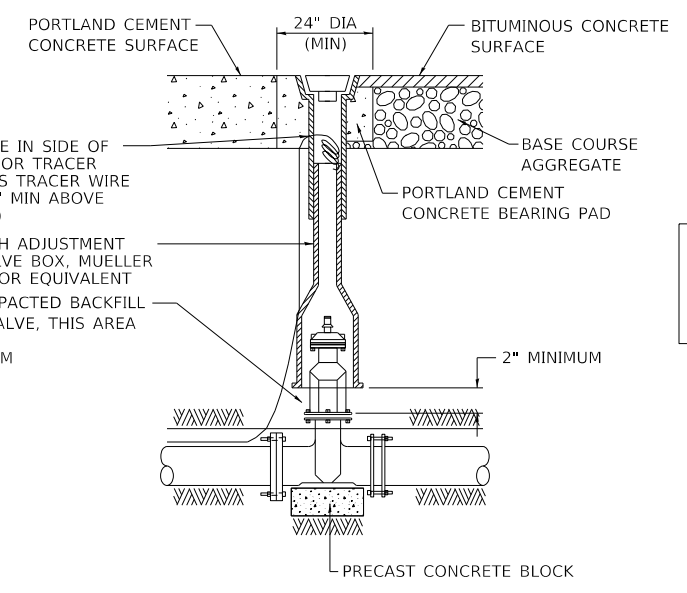
### ELEVATION

## TAPPING SLEEVE & VALVE BLOCKING

(NOT TO SCALE)



### TURF AREAS

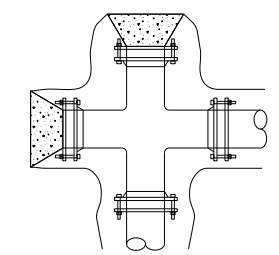


### PERMANENT SURFACE ROADWAYS

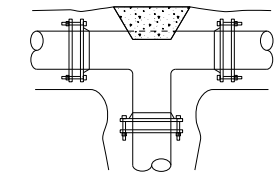
## VALVE BOX INSTALLATION

(NOT TO SCALE)

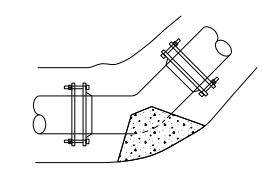
**NOTE:**  
ALL "IN LINE" VALVES SHALL RECEIVE RETAINER GLANDS IN LIEU OF STANDARD GLANDS AT NO EXTRA COSTS.



### CROSS

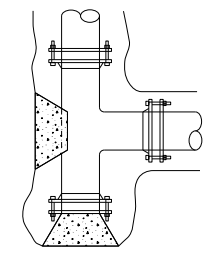


### TEE

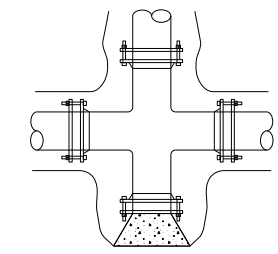


### 45° ELBOW

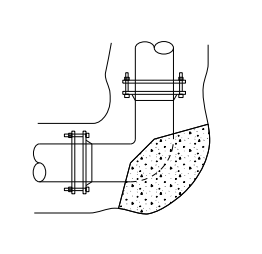
BEARING AREA THRUST BLOCKS	
PLUG, TEE, 22 1/2°, 11 1/4°	
WATER MAIN	BLOCKS
4"	1.4 SQ FT
6"	2.8 SQ FT
8"	4.9 SQ FT
10"	7.3 SQ FT



### PLUGGED TEE



### PLUGGED CROSS



### 90° ELBOW

BEARING AREA THRUST BLOCKS	
90°	
WATER MAIN	BLOCKS
4"	2.0 SQ FT
6"	4.0 SQ FT
8"	6.9 SQ FT
10"	10.3 SQ FT

- ALL BLOCKS TO BE CLASS SI CONCRETE (3500 PSI @ 14 DAYS)
- MINIMUM BEARING AREA (SEE CHART)
- ASSUMES 2000 PSI BEARING FOOTING
- CONTRACTOR RESPONSIBLE FOR ACTUAL SOIL CONDITION AND THRUST BLOCK ADEQUACY
- 4" W.M. SHALL HAVE A MIN 0.10 CU YD OF CONCRETE
- 6" W.M. SHALL HAVE A MIN 0.20 CU YD OF CONCRETE
- 8" W.M. SHALL HAVE A MIN 0.30 CU YD OF CONCRETE
- 10" W.M. SHALL HAVE A MIN 0.40 CU YD OF CONCRETE
- ALL VERTICAL FITTINGS SHALL BE RODDED TOGETHER WITH MIN 1/2" RODS

- ALL BLOCKS SHALL BE A MINIMUM OF 12" THICK, PLACE BETWEEN SOLID GROUND AND THE FITTINGS, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIRS. PLASTIC SHEETING (3 MIL POLYETHYLENE) SHALL BE LAID BETWEEN CONCRETE AND FITTING.
- RETAINER GLANDS SHALL BE USED IN CONJUNCTION WITH THRUST BLOCKING. (SEE SPECIFICATIONS FOR TABLE)
- MINIMUM TEST PRESSURE = 150 PSI
- VERTICAL TIE DOWN WITH CONCRETE.
  - MINIMUM 1/2" REBAR WITH 18" MIN. EMBEDMENT
  - AT PLUG, TEE, & 45° BEND FOR 8" PIPE, MINIMUM OF 64.3 CU FT
  - AT 90° BEND FOR 8" PIPE, MINIMUM OF 91.0 CU FT

## THRUST BLOCKING

(NOT TO SCALE)

MODEL: 140821.MX.MX FILE NAME: 031219 - E Michigan Ave (S Jackson Hill) CADD CADD Sheets 1219-sh-5-SP0802.dgn

USER NAME = JDeen	DESIGNED - JRB	REVISED -
	DRAWN - TJD	REVISED -
PLOT SCALE = 4,000' / in.	CHECKED - JRB	REVISED -
PLOT DATE = 6/8/2018	DATE - 4/20/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST MICHIGAN AVE (FAU 8177)  
SPECIAL DETAILS

SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.	F.A.U. RTE. 8177	SECTION *	COUNTY MORGAN	TOTAL SHEETS 23	SHEET NO. 23
							CONTRACT NO. 93720	
							ILLINOIS FED. AID PROJECT	

\* 17-00122-00-RS & 17-00127-00-RS