

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 829 (IL 156)
SECTION 103RS

**3P - RESURFACING
MONROE COUNTY**

C-98-086-10

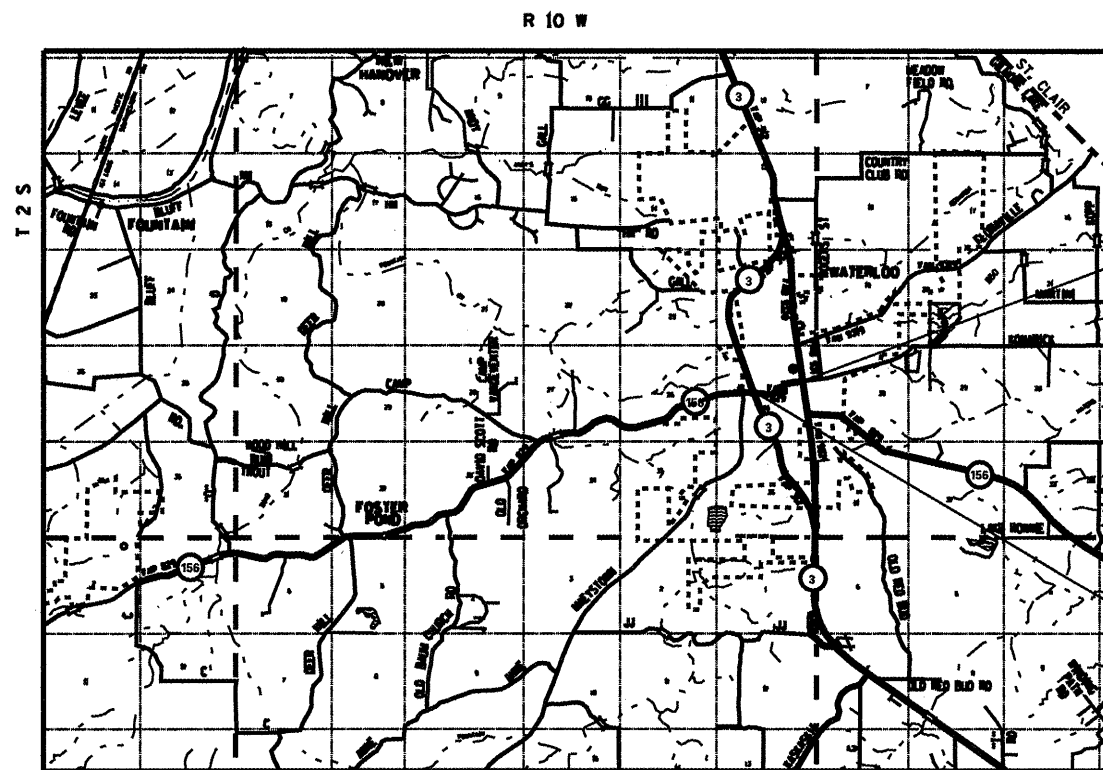
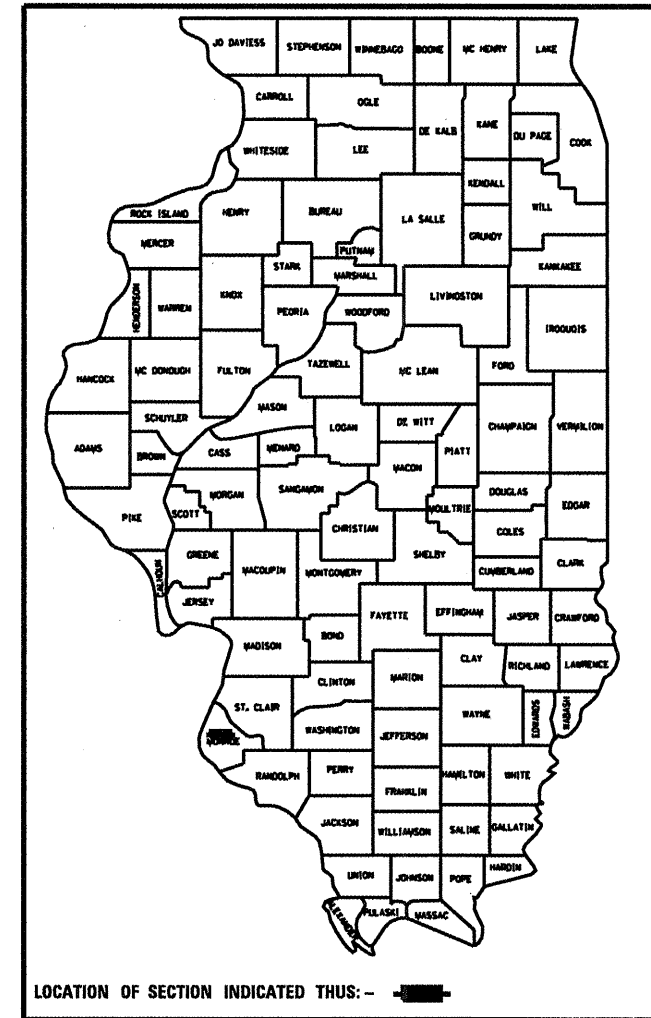
F.A.P. RTE. 829	SECTION 103RS	COUNTY MONROE	TOTAL SHEETS 16	SHEET NO. 1
ILLINOIS CONTRACT NO. 76D98				

D-98-067-10

FOR INDEX OF SHEETS, SEE SHEET NO. 2

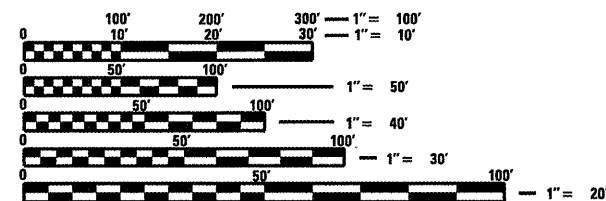
ADT

STA. TO STA.	PARK ST. STA. 747+40 TO STA. 766+32.8	CHURCH ST. STA. 766+32.8 TO STA. 770+21.5	4TH ST. STA. 770+21.5 TO STA. 778+40
2009 ADT (ACTUAL) =	7300	4500	5200
2011 ADT (ESTIMATED) =	7400	4600	5300
2031 ADT (ESTIMATED) =	9000	5600	6500
SU =	4.4%	3.3%	2.9%
MU =	1.0%	0.2%	0.6%



END PROJECT
STA. 747+40
LATITUDE: 38.3342°
LONGITUDE: 90.1486°

BEGIN PROJECT
STA. 778+40
LATITUDE: 38.3323°
LONGITUDE: 90.1575°



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: PATTI LeBEAU (618) 346-3179
SQUAD CONTACT: ROB HARBAUGH (618) 346-3329

GROSS LENGTH = 3,100 FT. = 0.587 MILE
NET LENGTH = 3,100 FT. = 0.587 MILE

CONTRACT NO. 76D98

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *December 21 20 10*

Mary C. Jamel
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Feb 4 20 11
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 4 20 11
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

- 1 COVER SHEET
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- 6 SCHEDULES OF QUANTITIES
- 7 PAVEMENT MARKING DETAILS
- 8-9 DETECTOR LOOP DETAILS
- 10-16 EXISTING MICROFILM - PLAN VIEW

STANDARDS

- 000001-06 701311-03
- 001006 701501-06
- 442201-03 701502-04
- 606001-04 780001-02
- 606201-02 781001-03
- 701901-01 886001-01
- 701301-04 886006-01

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - HARRISONVILLE TELEPHONE COMPANY (COMMUNICATIONS)
 - CITY OF WATERLOO (GAS & ELECTRIC)

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *. NON- J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
4. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
5. FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
6. THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
7. THE VARIOUS THICKNESS OF HOT-MIX ASPHALT SURFACE REMOVAL SHOWN ON THE PLANS IS THE AVERAGE THICKNESS BASED UPON CONTROLLING THICKNESS AS INDICATED. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE. HOT-MIX ASPHALT SURFACE REMOVAL HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF REMOVING HIGH IRREGULARITIES AND TO ESTABLISH CROSS SLOPE.
8. THE WIDTH OF THE EXISTING PAVEMENT TO BE RESURFACED IS THE NOMINAL WIDTH. DEVIATIONS MAY OCCUR TO IRREGULARITIES IN THE EXISTING PAVEMENT WIDTH.
9. THE ESTIMATED QUANTITY OF 1320 TONS OF CUTTINGS IS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION.
10. THE INTENT OF MILLING IS TO NOT MILL THE CONCRETE.
11. AFTER MILLING IS COMPLETE, PATCHING SHALL BE DONE AS NEEDED/DIRECTED BY THE ENGINEER. A QUANTITY OF 120 SQ YDS HAS BEEN ESTIMATED FOR PAVEMENT PATCHES. THE MILLED SURFACE SHALL BE RESURFACED WITHIN 15 CALENDAR DAYS OF MILLING.
12. THE MAINLINE PAVING WILL BE PERFORMED PRIOR TO PAVING OF THE PARKING LANES. THE CONTRACTOR SHALL STAGE OPERATIONS SO THAT ALL LONGITUDINAL JOINTS COINCIDE WITH THRU LANE LINES.
13. A 12 FOOT MILLING MACHINE SHALL BE USED IN THE MILLING OPERATION ON THE MAINLINE ROADWAY. A SMALLER MILLING MACHINE WILL BE PERMITTED FOR THE PARKING LANE AREAS AND OBSTACLES IN THE ROADWAY SUCH AS MANHOLES AND VALVE VAULTS.
14. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED WITHIN THE CITY LIMITS OF WATERLOO. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE HOT-MIX ASPHALT PAVEMENT AS SPECIFIED IN SECTIONS 406 & 407 OF THE STANDARD SPECIFICATIONS. COMPACTION SHALL BE OBTAINED AS SPECIFIED IN THE SPECIAL PROVISIONS.
15. THE SPREADING AND FINISHING MACHINE WILL NOT BE REQUIRED WHEN PAVING THE PARKING LANES OF LESS THAN 10 FEET IN WIDTH. THE MACHINE USED FOR THESE PARKING AREAS WILL BE APPROVED BY THE RESIDENT ENGINEER.
16. CARE SHALL BE TAKEN AT ALL SIDE STREETS AND ENTRANCES DURING MILLING OPERATIONS TO ENSURE THAT THE PROPOSED RESURFACING WILL MEET THE EXISTING SIDE STREETS AND ENTRANCES.
17. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL HOT-MIX ASPHALT SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN INCLUDED IN THE PLANS. "WORK ZONE PAVEMENT MARKING REMOVAL" SHALL BE PAID FOR THE FINAL SURFACE ONLY.
18. ANY AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE SEEDED (TEMPORARY AND PERMANENT) AS DIRECTED BY THE RESIDENT ENGINEER AT THE CONTRACTOR'S EXPENSE AND NO OTHER COMPENSATION WILL BE PERMITTED.
19. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE CONSIDERED APPROXIMATE.
20. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT AND ALL INTERSECTING SIDE ROADS.

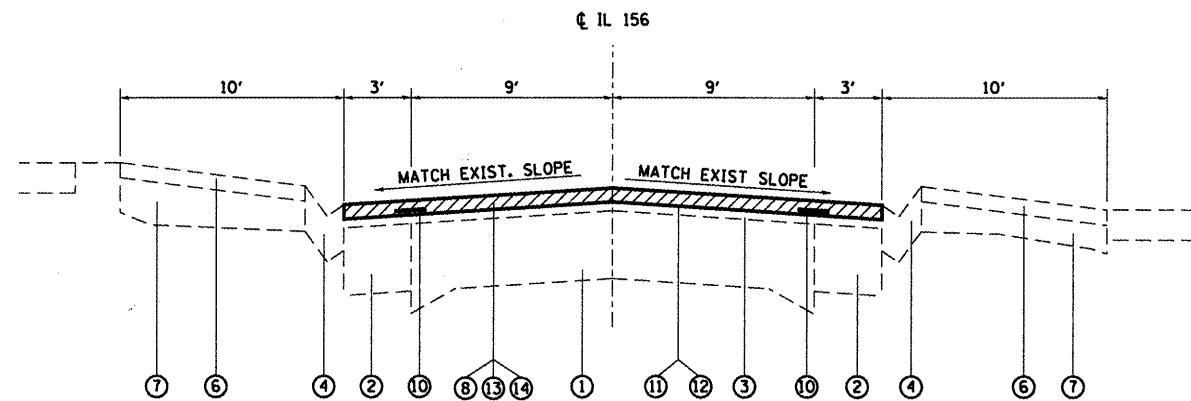
COMMITMENTS

NO COMMITMENTS

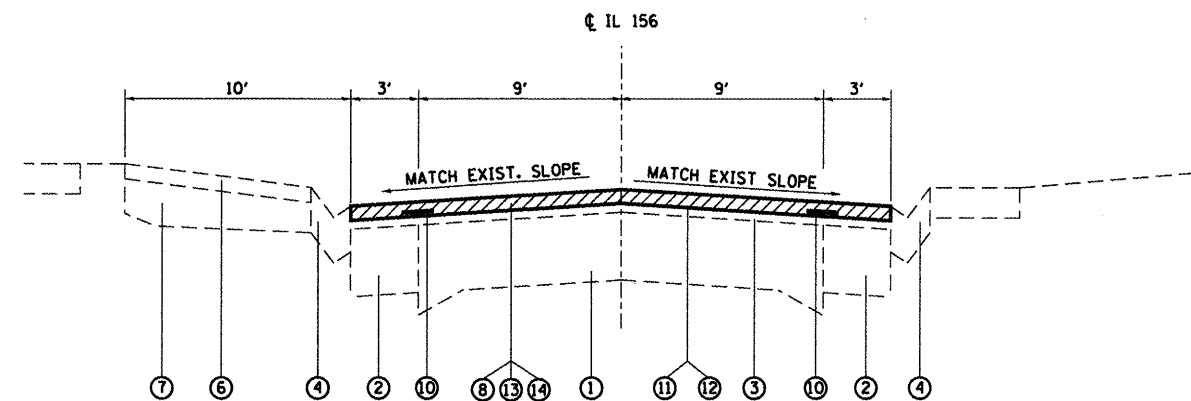
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FILE#		DRAWN -	REVISED -		829	103RS	MONROE	16	2		
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		CONTRACT NO. 76098						
	PLOT DATE = #DATE#	DATE -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

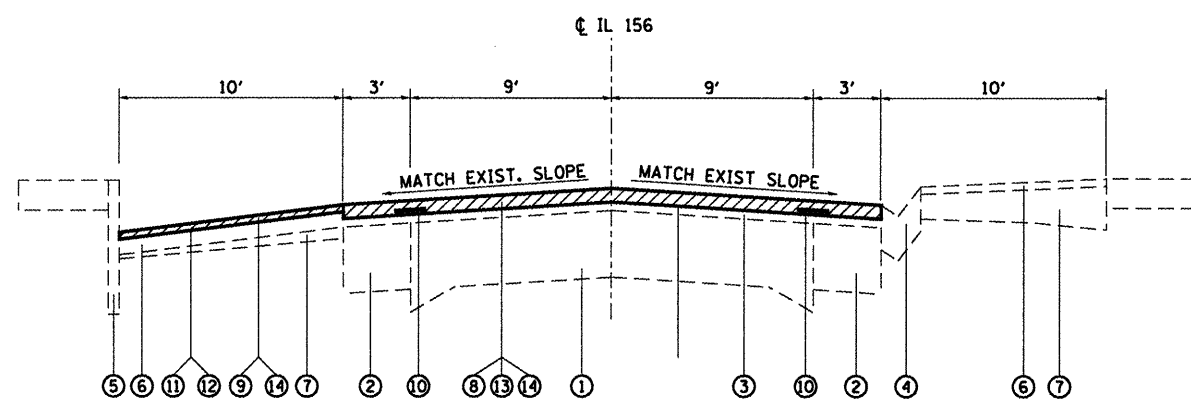
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		100% STATE 0005	50% STATE 50% CITY 0005	CODE NO	ITEM	UNIT		TOTAL QUANTITIES		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	18		18							
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	3.8	3	0.8							
40600300	AGGREGATE (PRIME COAT)	TON	17	13.6	3.4							
40600990	TEMPORARY RAMP	SO YD	73	40	33							
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	946	757.4	188.6							
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	2243		2243							
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	9015	9015								
44000300	CURB REMOVAL	FOOT	160		160							
44000400	GUTTER REMOVAL	FOOT	110	110								
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SO YD	72	72								
44200124	PAVEMENT PATCHING, TYPE III, 10 INCH	SO YD	48	48								
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6200	6200								
60602800	CONCRETE GUTTER, TYPE B	FOOT	110	110								
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	160		160							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4								
67100100	MOBILIZATION	L SUM	1	1								
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	<del style="text-align: center;">1	<del style="text-align: center;">1								
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1								
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1								
70300100	SHORT TERM PAVEMENT MARKING	FOOT	554	554								
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	10,237	10,237								
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	3,597.1	3,597.1								
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	31.2	31.2								
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10237	10237								
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	790	790								
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	84	84								
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	118	118								
78300100	PAVEMENT MARKING REMOVAL	SO FT	383.6	383.6								
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	118	118								
80300100	LOCATING UNDERGROUND CABLE	FOOT	12	12								
88600600	DETECTOR LOOP REPLACEMENT	FOOT	272	272								
X4060826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	379	379								
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	790	790								
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	84	84								
	*SPECIALTY ITEM											



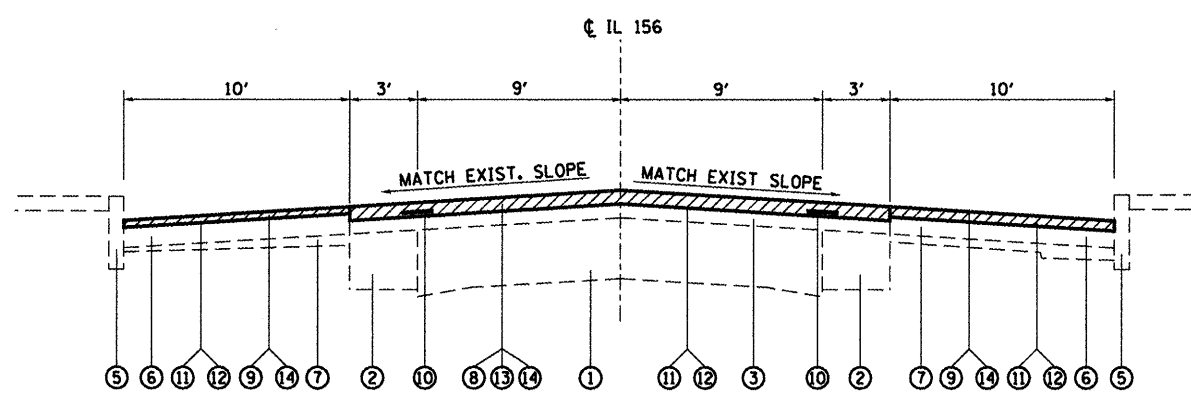
TANGENT SECTION
 STA. 747+40 TO STA. 760+90
 STA. 766+73 TO STA. 768+20



TANGENT SECTION
 STA. 768+37 TO STA. 770+00



TANGENT SECTION
 STA. 761+55 TO STA. 766+00



TANGENT SECTION
 STA. 770+53 TO STA. 778+40

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING HOT-MIX ASPHALT WIDENING, 9"
- ③ EXISTING HOT-MIX ASPHALT RESURFACING, ±3"
- ④ EXISTING CONCRETE GUTTER, TYPE B
- ⑤ EXISTING CONCRETE CURB, TYPE B
- ⑥ EXISTING HOT-MIX ASPHALT PARKING LANE - ±3"
- ⑦ EXISTING AGGREGATE BASE COURSE, TYPE A - 6"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ⑩ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑪ PROPOSED BITUMINOUS MATERIALS PRIME COAT
- ⑫ PROPOSED AGGREGATE (PRIME COAT)
- ⑬ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), 3/4"
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"

MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE	POLY-LEVEL BINDER
AC/PG	PG 64-22	SBS 76-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=50
MIX COMPOSITION (GRADATION MIXTURE)	IL 12.5/9.5	IL 4.75
FRICTION AGG	MIXTURE "D"	MIXTURE "C"

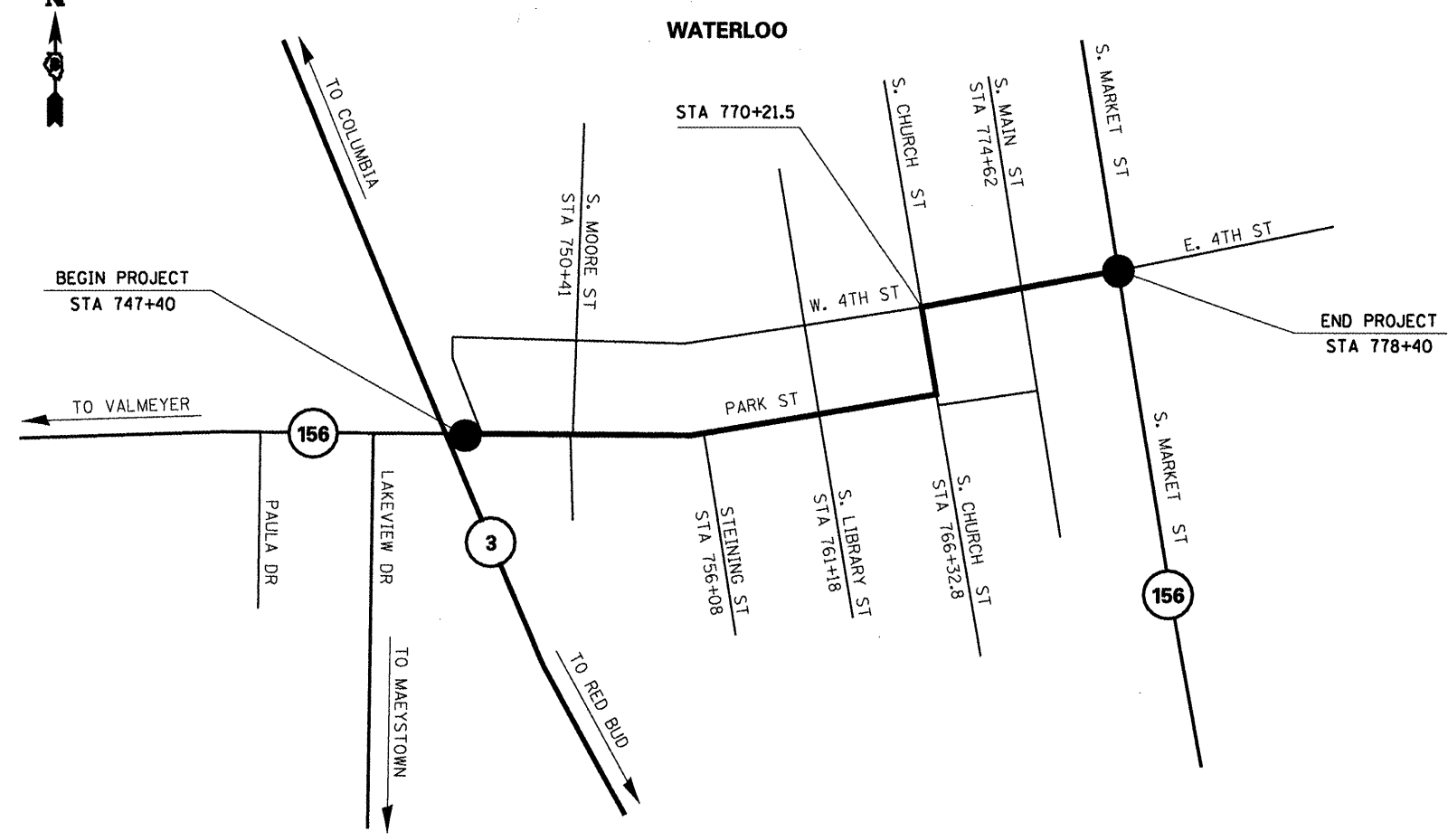
•• TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR HOT-MIX ASPHALT CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

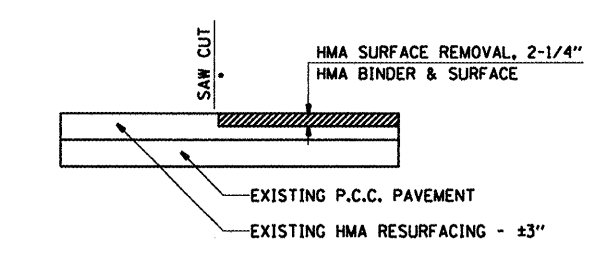
NOTES:

1. PROPOSED CONCRETE GUTTER TO BE REMOVED AND REPLACED AT LOCATIONS:
 STA. 754+80 TO STA. 755+00 LT
 STA. 765+00 TO STA. 765+90 RT
2. PROPOSED CONCRETE CURB TO BE REMOVED AND REPLACED AT LOCATION:
 STA. 775+00 TO STA. 776+60 LT

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	829	103RS	MONROE	16	4
		CHECKED -	REVISED -						CONTRACT NO. 76098				
		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



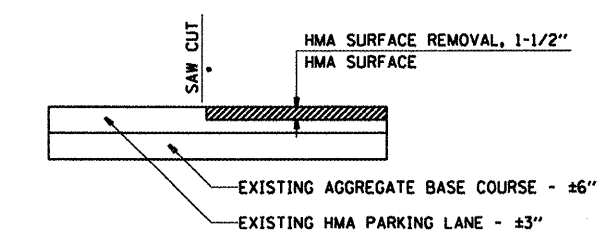
BEGINNING & ENDING JOINT DETAILS



JOINT TO BE CONSTRUCTED AT BEGINNING AND END OF PROJECT
 STA 747+40
 STA 778+40

• COST INCLUDED IN HMA SURFACE REMOVAL, 2 1/4 "

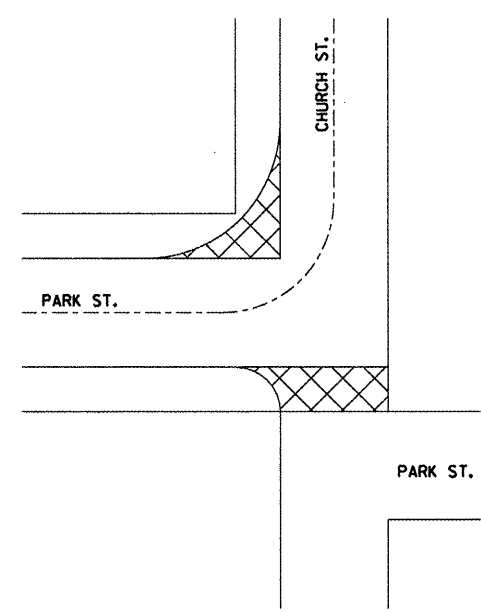
BEGINNING & ENDING PARKING LANE JOINT DETAILS



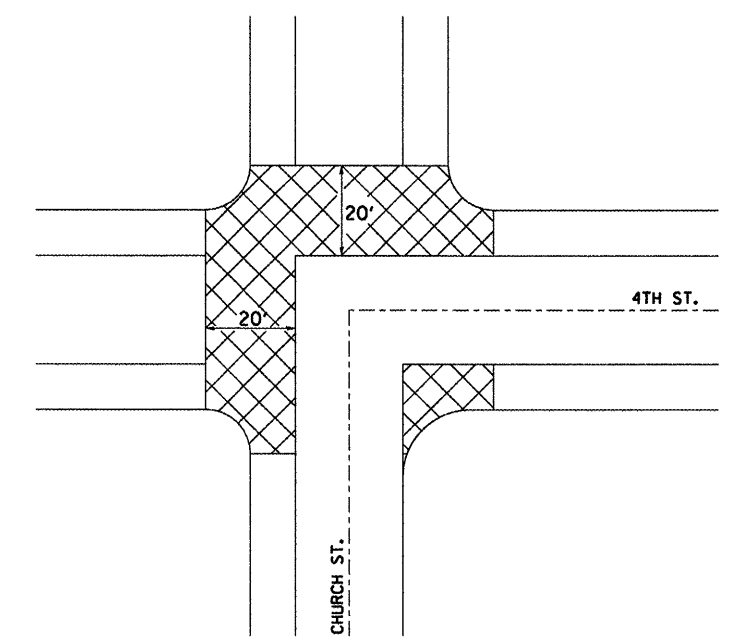
JOINT TO BE CONSTRUCTED AT ENDS OF PARKING LANE RECONSTRUCTION
 LEFT PARKING LANE: STA. 761+55 (START) & STA. 766+00 (END)
 STA. 770+53 (START) & STA. 778+40 (END)
 RIGHT PARKING LANE: STA. 770+53 (START) & STA. 778+40 (END)

• COST INCLUDED IN HMA SURFACE REMOVAL, 1 1/2 "

INTERSECTION DETAILS



AREAS TO BE MILLED AND RESURFACED THROUGH INTERSECTION IN ADDITION TO MAINLINE



MEASUREMENTS ARE APPROXIMATE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILEL#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY LAYOUT & MISCELLANEOUS DETAILS	
SCALE:	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
829	103RS	MONROE	16	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76096				

RESURFACING SCHEDULE

LOCATION		LT RT OR CEN	LANE WIDTH FT	HMA SURFACE REMOVAL, 2 1/4" SQ YD	HMA SURFACE REMOVAL, 1 1/2" SQ YD	PAVEMENT PATCHING, TYPE II, 10" SQ YD	PAVEMENT PATCHING, TYPE III, 10" SQ YD	GUTTER REMOVAL FOOT	CURB REMOVAL FOOT	BITUMINOUS MATERIAL (PRIME COAT) TON	AGGREGATE (PRIME COAT) TON	POLYMERIZED LEVEL BINDER (MACHINE METHOD) TON	HMA SURFACE COURSE TON	CONCRETE GUTTER TYPE B FOOT	COMB. CONCR. CURB & GUTTER, TYPE B-6.12 FOOT	AGGREGATE BASE COURSE, TYPE B TON	STRIP REFL. CRACK CONC. TREATMENT FOOT
MAIN LINE																	
747+40 TO 778+40	LT	12		4,368.3		72.0	48.0			1.4	6.6	183.7	367.0				3,100.0
747+40 TO 778+40	RT	12		4,190.0						1.4	6.3	176.1	352.0				3,100.0
747+40 TO 751+50	CEN	12		456.7						0.2	0.7	19.2	38.4				
754+80 TO 755+00	LT							20.0					20.0				
765+00 TO 765+90	RT							90.0					90.0				
PARKING LANES																	
761+55 TO 766+00	LT	10			494.4					0.2	0.8		41.6				
770+53 TO 778+40	RT	10			874.3					0.3	1.3		73.5				
770+53 TO 778+40	LT	10			874.3					0.3	1.3		73.5				
775+00 TO 776+60	LT								160.0						160.0	18.0	
TOTALS				9015	2243	72	48	110	160	3.8	17	379	946	110	160	18	6200

GUTTER REMOVAL AND PLACEMENT LOCATION IS APPROXIMATE. THE ENGINEER WILL DETERMINE EXACT LOCATIONS IN FIELD.
THE AGGREGATE BASE COURSE, TYPE B WILL BE USED BENEATH THE PROPOSED COMBINATION CURB & GUTTER.

TEMPORARY RAMP

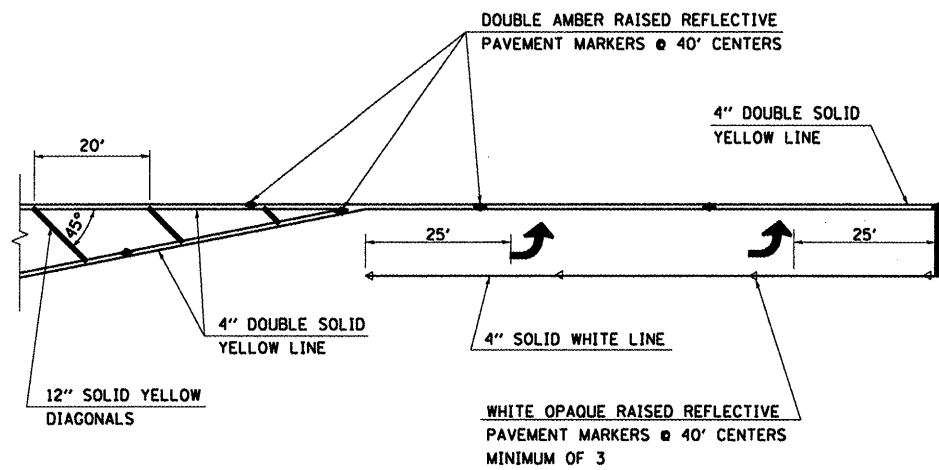
LOCATION		WIDTH	LENGTH	TEMPORARY
		FOOT	FOOT	SO YD
STA. 747+40.0		24	7.5	20.0
STA. 787+40.0		24	7.5	20.0
STA. 761+55.0	LT	10	5	5.5
STA. 766+00.0	LT	10	5	5.5
STA. 770+53.0	LT	10	5	5.5
STA. 770+53.0	RT	10	5	5.5
STA. 778+40.0	LT	10	5	5.5
STA. 778+40.0	RT	10	5	5.5
TOTAL				73

PAVEMENT MARKING SCHEDULE

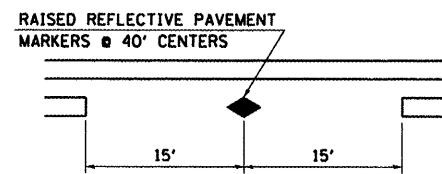
LOCATION		PAVEMENT MARKING REMOVAL		SHORT- TERM PAVEMENT	TEMPORARY PAVEMENT MARKING						WORK ZONE MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING						THERMOPLASTIC PAVEMENT MARKING - LETTER & SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER						
					4"			12"				24"			4"						12"			24"		
					YELLOW		WHITE	WHITE		WHITE		YELLOW		WHITE	WHITE		YELLOW				WHITE	WHITE				
					SKIP- DASH	SOLID	SOLID	SOLID	SOLID	CROSSWALK		STOP-BAR	SKIP-DASH	SOLID (NPZ)	SOLID	SOLID	SOLID				CROSSWALK	STOP-BAR	SKIP-DASH	SOLID	SOLID	
STA	TO STA	SO FT	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	EACH	EACH						
746+00	TO 746+25		80.3	4.3			50.0			24.0	18.1			50.0		24	15.6	4	4							
746+25	TO 746+50	16.7	40.6	4.3		50.0	75.0				43.1		25.0	25.0	75.0		15.6	4	4							
746+50	TO 747+40	60.0	90.0	15.4		180.0	270.0				155.1		90.0	90.0	270.0			8	8							
747+40	TO 748+50			18.8		220.0	315.0				184.6		110.0	110.0	315.0			12	12							
748+50	TO 751+10			44.4		1040.0	520.0				534.8		520.0	520.0	520.0			19	19							
751+10	TO 751+50			6.8		160.0	80.0				82.3		80.0	80.0	80.0			3	3							
751+50	TO 753+80			39.3	57.5	230.0	460.0				262.3	57.5	230.0		460.0			6	6							
753+80	TO 761+00			123.2	179.9		1440.0				581.0	179.9		1440.0				18	18							
761+00	TO 764+70			63.2	92.5	370.0	740.0	84.0			421.9	92.5		370.0	740.0	84		9	9							
764+70	TO 769+90			88.9		1040.0	1040.0	90.0			723.0		520.0	520.0	1040.0	90		13	13							
769+90	TO 770+53		48.0	10.8				352.0	48.0		3.6				352	48		2	2							
770+53	TO 774+30			64.5	94.3		754.0				304.3	94.3			754.0			9	9							
774+30	TO 775+00		48.0	12.0	17.5			176.0			9.8	17.5			176			2	2							
775+00	TO 778+25			55.5	81.3		650.0				262.3	81.3			650.0			8	8							
778+25	TO 778+40			2.6			30.0	88.0	12.0		10.9			30.0	88	12		1	1							
SUBTOTAL		76.7	306.9		523.0	3,290.0	6,424.0				523.0	1575	1715	6,424.0												
TOTAL		383.6		554		10237		790	84	3597.1				790	84	31.2		118	118							

NOTE: NPZ = NO PASSING ZONE

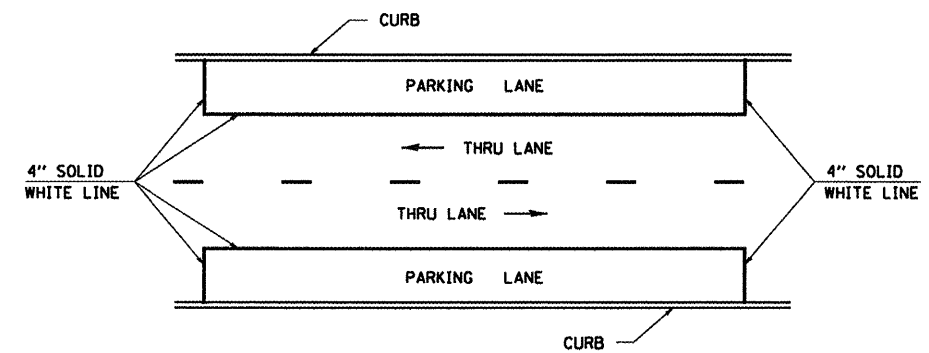
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#FILE#		DRAWN -	REVISED -			829	103RS	MONROE	16	6
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			CONTRACT NO. 76D98				
	PLOT DATE = #DATE#	DATE -	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.



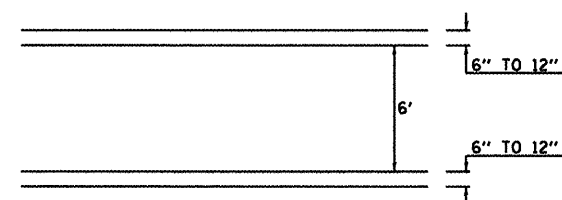
TYPICAL APPLICATION FOR LEFT TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



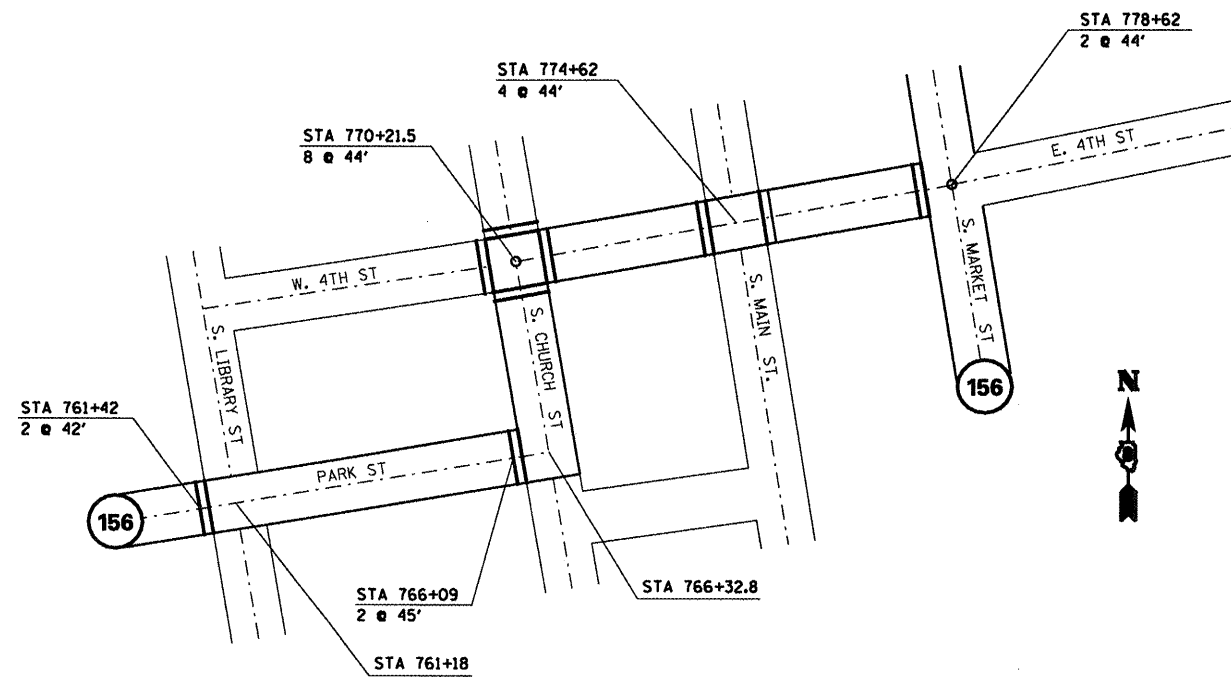
TYPICAL APPLICATION FOR RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL PARKING LANE MARKINGS



TYPICAL APPLICATION FOR PEDESTRIAN CROSSWALK



PEDESTRIAN CROSSWALK LOCATIONS

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLT SCALE = #SCALE#	CHECKED -	REVISED -
	PLT DATE = #DATE#	DATE -	REVISED -

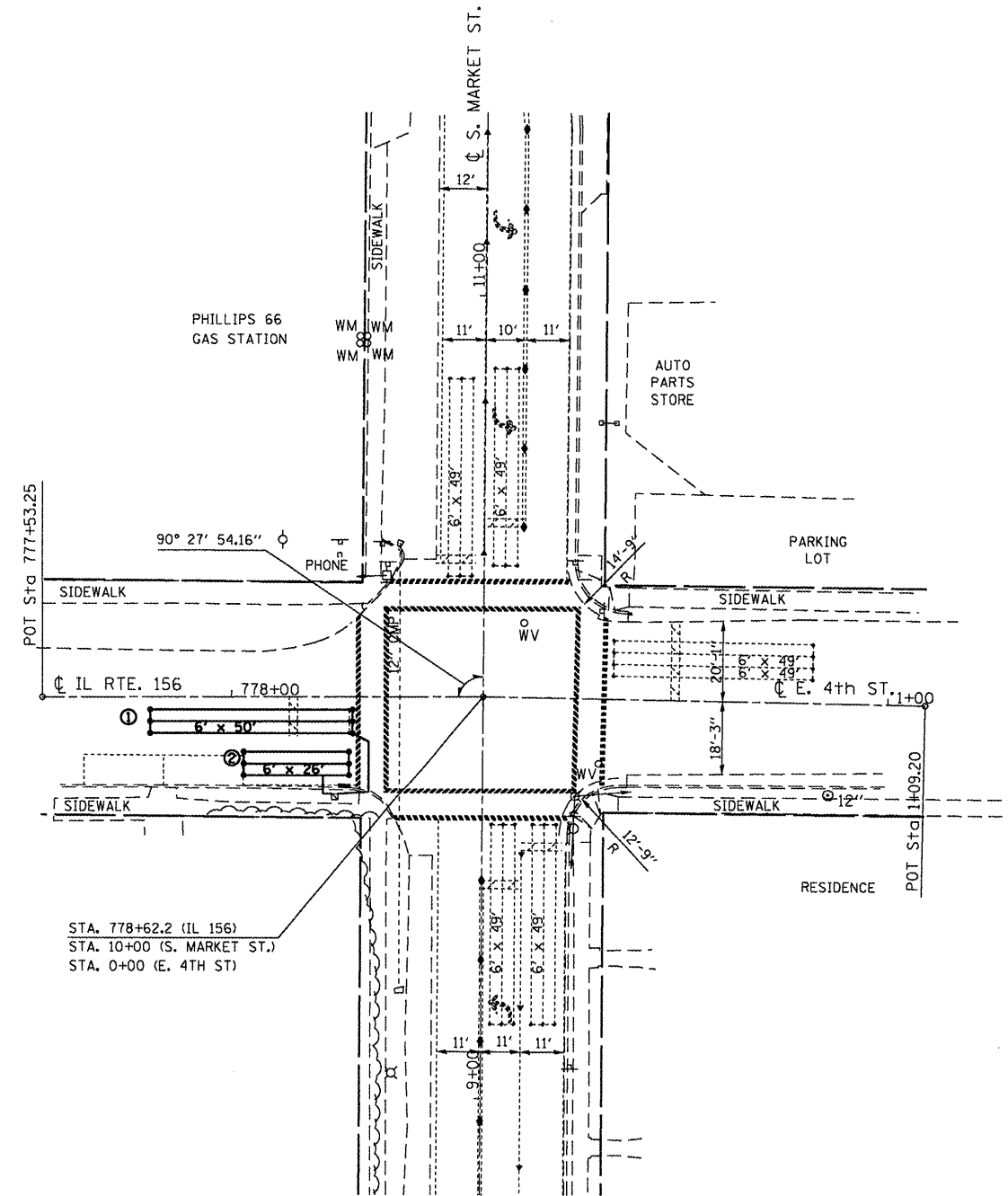
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
829	103RS	MONROE	16	7
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76098				

LOOP	PHASE (Φ)	FT. X FT.	LOOP SIZE (FT.)	LOOP LEAD-IN (FT.)	CALCULATED INDUCTANCE (μH)	CALCULATED RESISTANCE (Ω)	REQUIRED # OF TURNS
1. EB LT CD	4	6 X 500	162	17	789.74	1.7	3-6-3
2. EB THRU CD	4	6 X 260	90	3	471.66	1.0	3-6-3



NOT TO SCALE

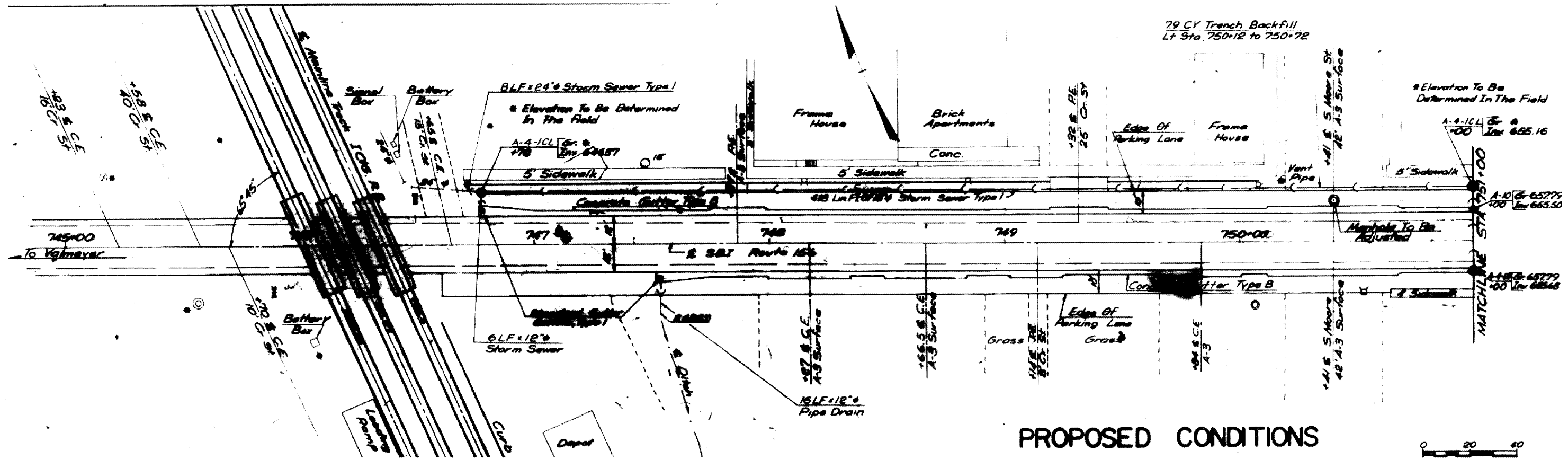
FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP DETAILS

SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. 9 TO STA. 9

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
829	103RS	MONROE	16	9
CONTRACT NO. 76D96				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

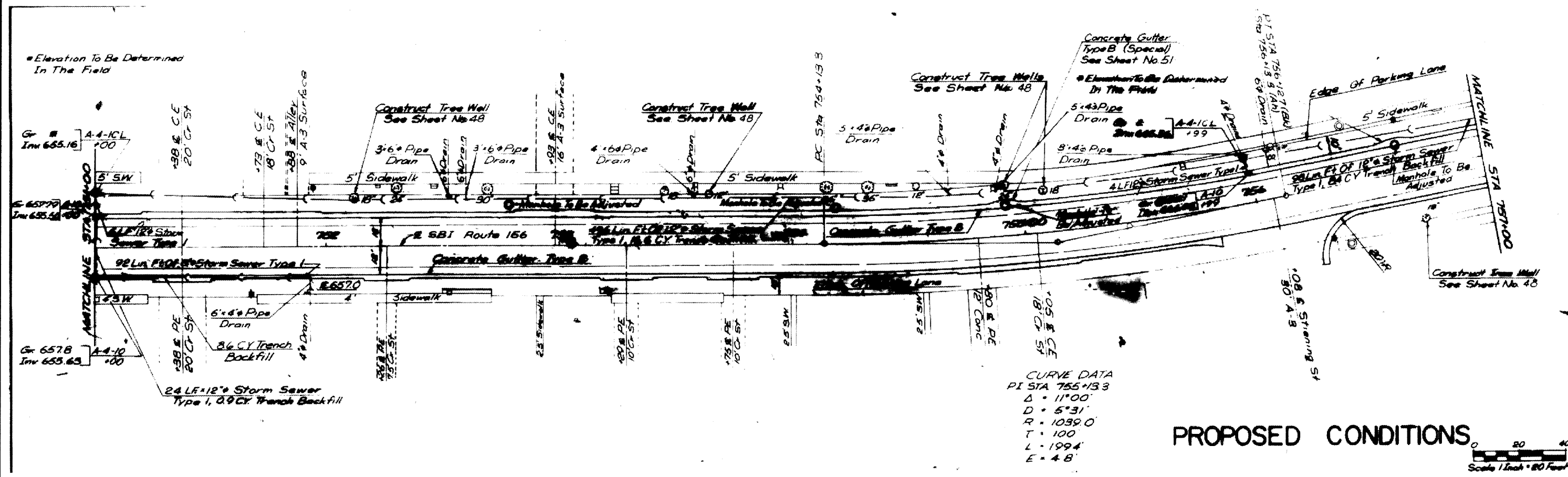


PROPOSED CONDITIONS



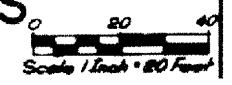
FOR INFORMATION ONLY

FILE NAME #FILE#	USER NAME #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING MICROFILM		F.A.P. RTE. 829	SECTION 103RS	COUNTY MONROE	TOTAL SHEETS 16	SHEET NO. 10
	PLOT SCALE #SCALE#	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 1 OF 7 SHEETS	STA. 745+00 TO STA. 751+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76098	
	PLOT DATE #DATE#	CHECKED -	REVISED -		DATE	REVISED -					



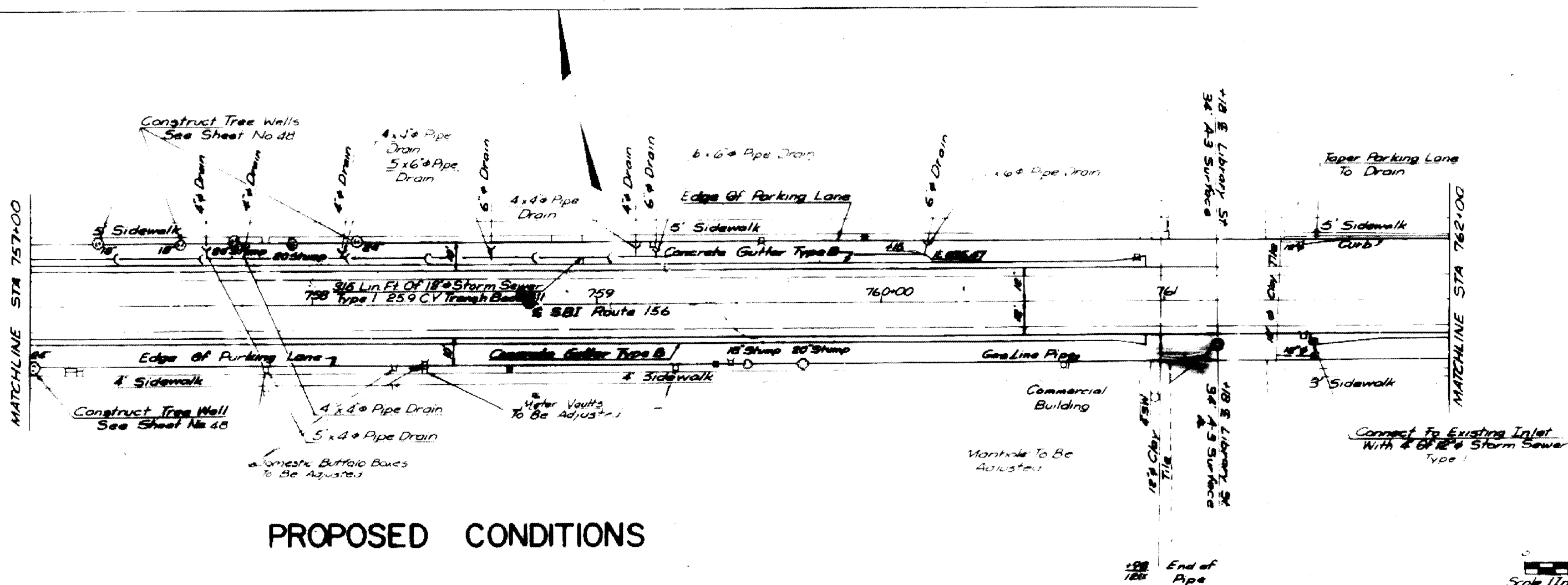
CURVE DATA
 PI STA 755+13.3
 Δ = 11°00'
 D = 5°31'
 R = 1039.0
 T = 100
 L = 199.4
 E = 4.8

PROPOSED CONDITIONS



FOR INFORMATION ONLY

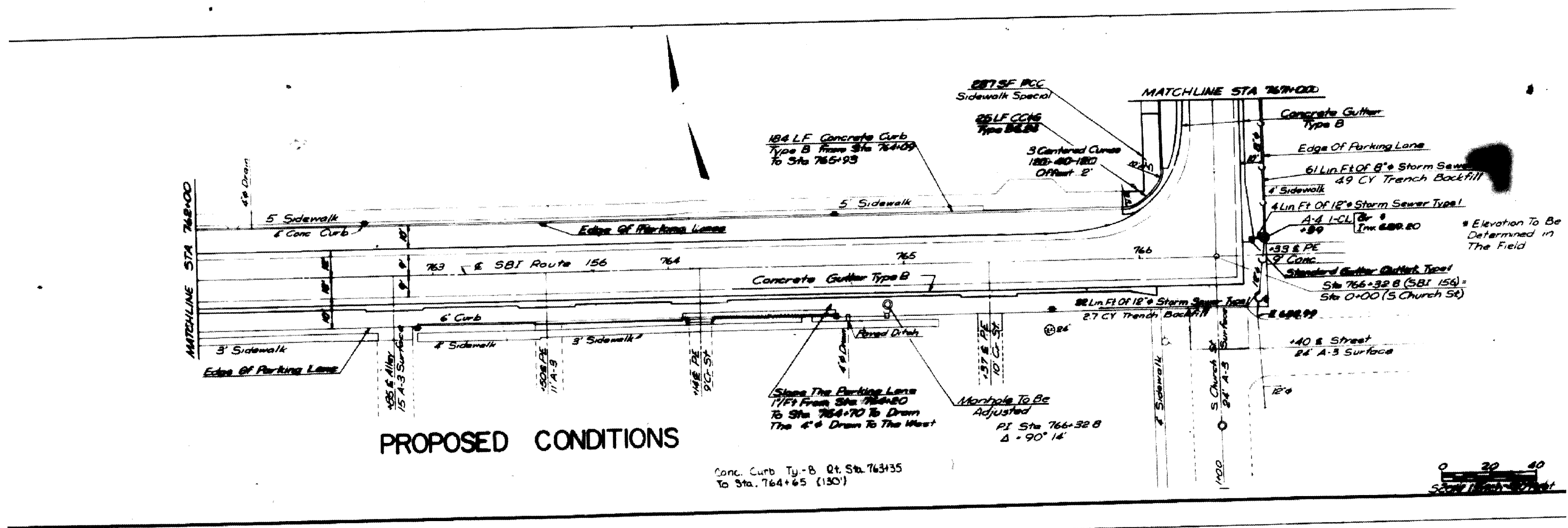
FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING MICROFILM FOR INFORMATION ONLY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN	REVISED			829	103RS	MONROE	16	11	
		CHECKED	REVISED			CONTRACT NO. T6098					
		DATE	REVISED			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: NA	SHEET NO. 2 OF 7 SHEETS	STA. 751+00	TO STA. 757+00				



PROPOSED CONDITIONS

FOR INFORMATION ONLY

FILE NAME #FILE#	USER NAME * #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING MICROFILM FOR INFORMATION ONLY		F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE * #SCALE#	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 3 OF 7 SHEETS	STA. 757+00 TO STA. 762+00	829	103RS	MONROE	16	12
	PLOT DATE * #DATE#	CHECKED -	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 76098			
		DATE -	REVISED -									



PROPOSED CONDITIONS

Conc. Curb Ty.-B Rt. Sta. 763+35
To Sta. 764+65 (130')

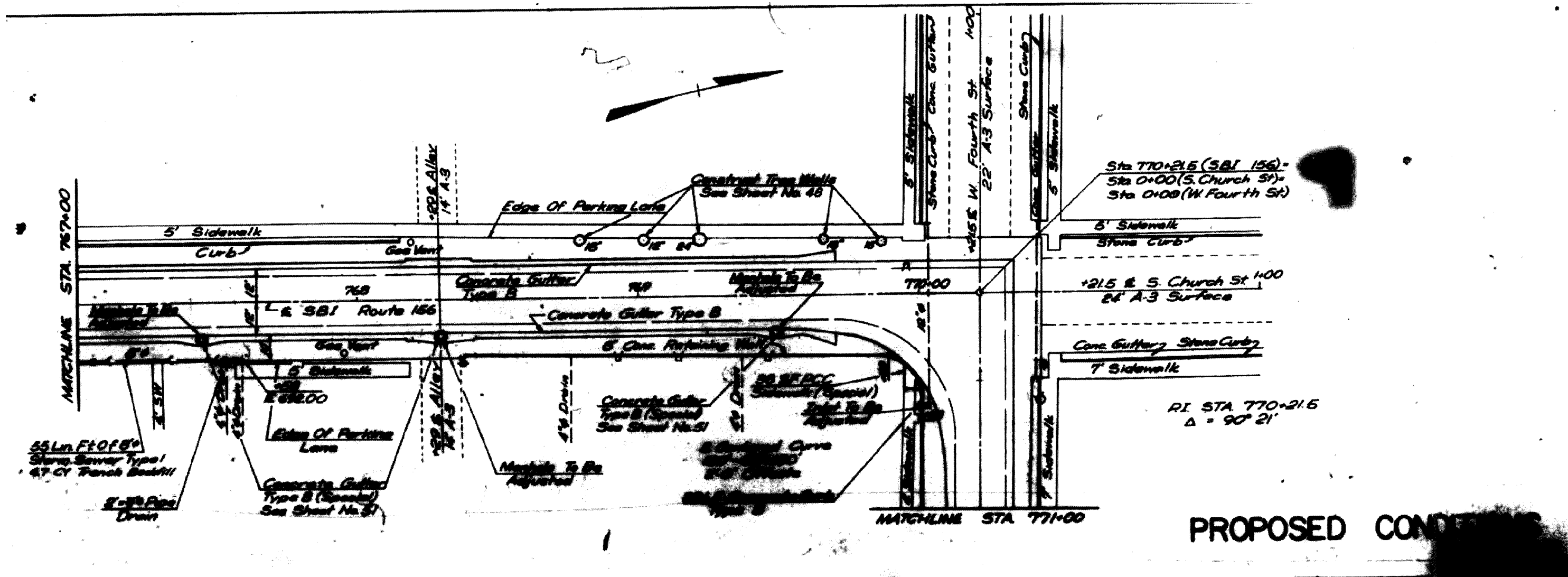
Slope The Parking Lane
11 FT From Sta. 765+80
To Sta. 764+70 To Drain
The 4" Drain To The West

Manhole To Be
Adjusted
PI Sta 766+32.8
Δ = 90° 14'

* Elevation To Be
Determined in
The Field

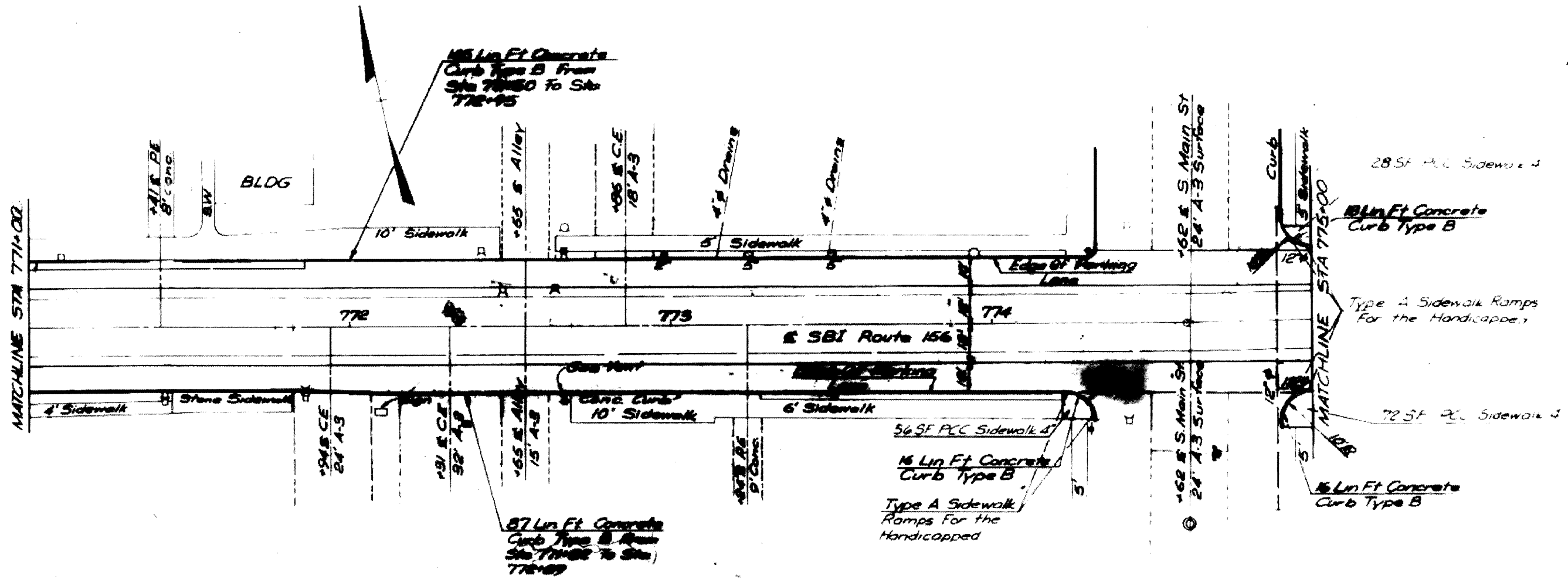
FOR INFORMATION ONLY

FILE NAME *	USER NAME * #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING MICROFILM FOR INFORMATION ONLY			F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	PLOT SCALE * #SCALE#	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 4 OF 7 SHEETS	STA. 762+00 TO STA. 767+00	829	103RS	MONROE	16	13
	PLOT DATE * #DATE#	CHECKED -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 76098	



FOR INFORMATION ONLY

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING MICROFILM FOR INFORMATION ONLY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN	REVISED			829	103RS	MONROE	16	14	
		CHECKED	REVISED			CONTRACT NO. T6098					
		DATE	REVISED			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: NA	SHEET NO. 5 OF 7 SHEETS	STA. 767+00 TO STA. 771+00					

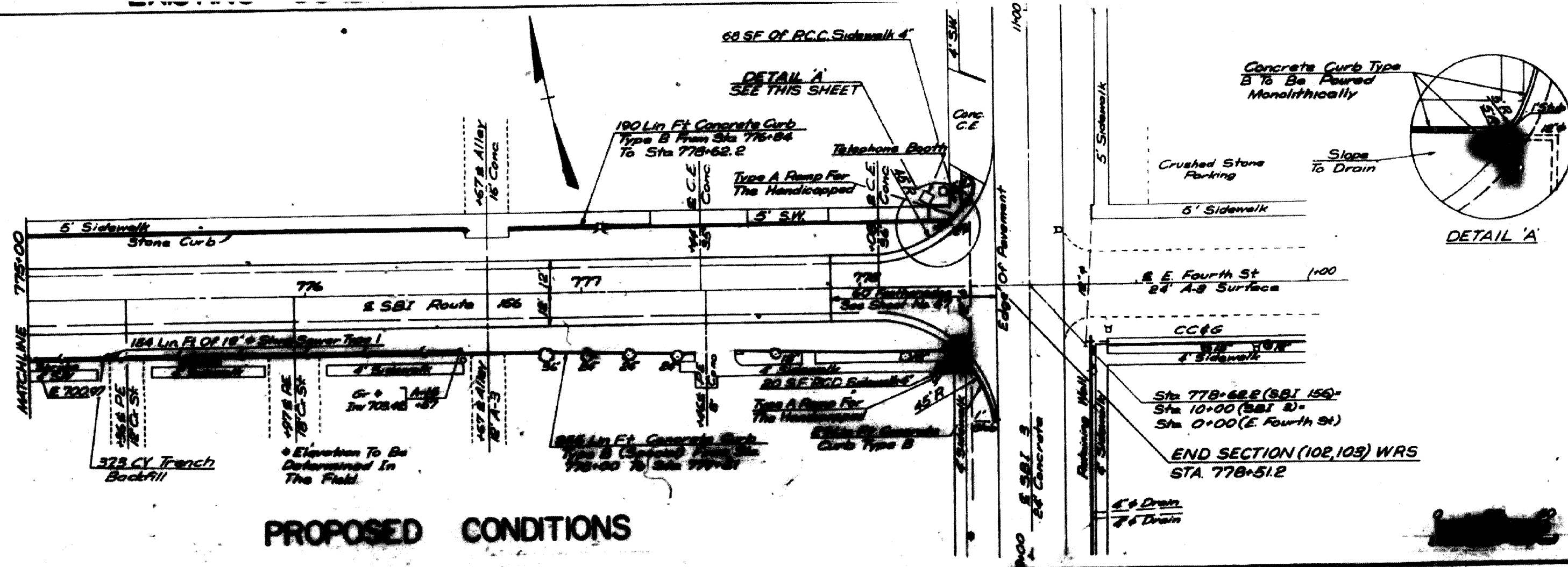


PROPOSED CONDITIONS



FOR INFORMATION ONLY

FILE NAME #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING MICROFILM FOR INFORMATION ONLY			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 6 OF 7 SHEETS	STA. 771+00 TO STA. 775+00	829	103RS	MONROE	16	15
PLOT DATE = #DATE#	CHECKED -	REVISED -						CONTRACT NO. T6098				
	DATE -	REVISED -						FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				



PROPOSED CONDITIONS

FOR INFORMATION ONLY

FILE NAME #FILE#	USER NAME #USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING MICROFILM FOR INFORMATION ONLY			F.A.P. RTE. 829	SECTION 103RS	COUNTY MONROE	TOTAL SHEETS 16	SHEET NO. 16
	PLOT SCALE #SCALES	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 7 OF 7 SHEETS	STA. 775+00 TO STA. 778+51.2	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. T6098		
PLOT DATE #DATES	CHECKED -	REVISED -	REVISED -									
	DATE -	REVISED -	REVISED -									