

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

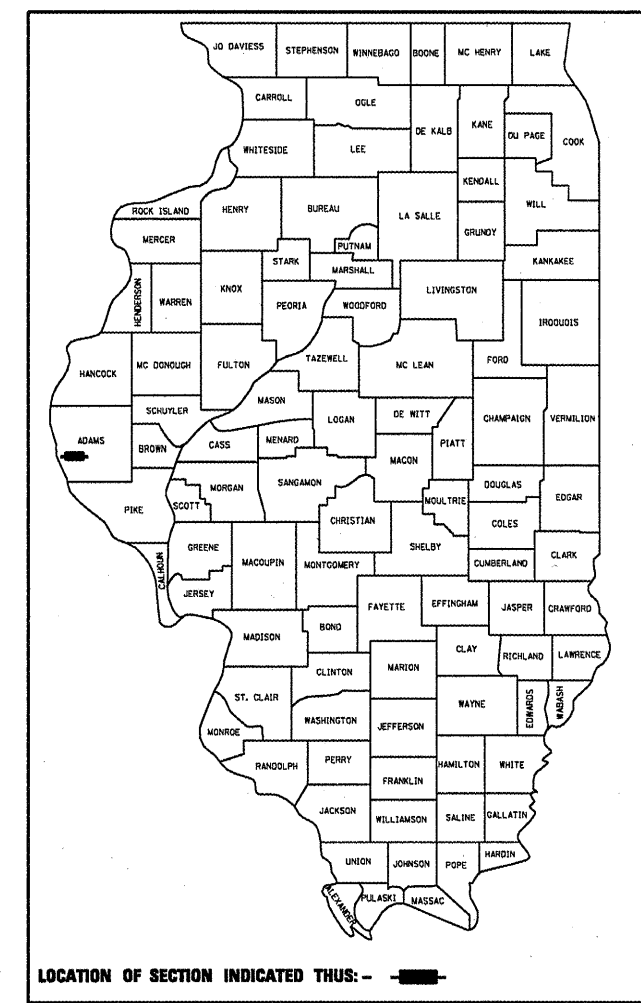
PROPOSED  
HIGHWAY PLANS

FAP ROUTE 745 (IL 104)  
SECTION D-6 INTERSECTION IMP 2009  
PROJECT: HSIP-0745(060)  
ADAMS COUNTY  
QUINCY, ILLINOIS  
C-96-546-07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745		ADAMS	37	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 72A96	

D-6 INTERSECTION IMPROVEMENTS 2009

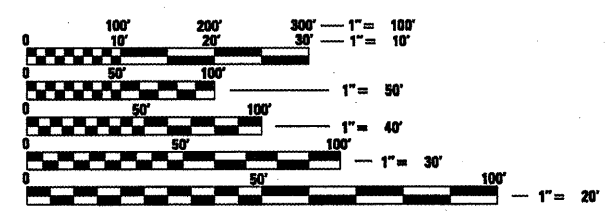
D-96-524-07



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

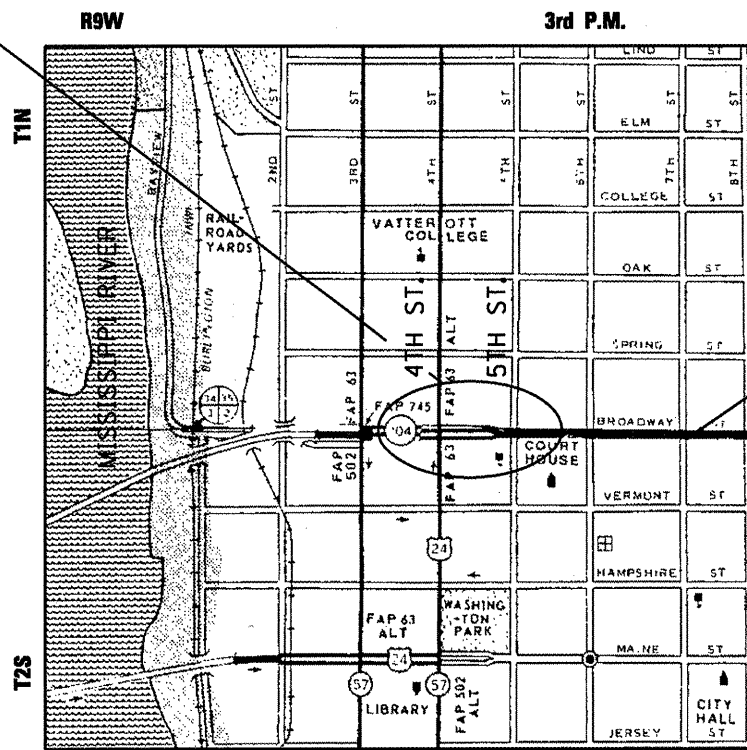
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATION  
STA. 99 + 21.19 (BROADWAY ST.), BEGIN PROJECT  
STA. 105 + 22.60 (BROADWAY ST.), END PROJECT



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



LAYOUT MAP

GROSS LENGTH OF PROJECT = 601.41 FT. = 0.114 MI.  
NET LENGTH OF PROJECT = 601.41 FT. = 0.114 MI.

AVERAGE DAILY TRAFFIC: 12,250 (2007) SU: 3.0%  
MU: 1.0%

PROJECT ENGINEER: JOHN NEGANGARD (217) 782-6990  
PROJECT MANAGER: VICTOR YOUNG (217) 557-7897

CONTRACT NO. 72A96

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *December 23, 08*  
*Rosa Z. Dinkel*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*January 30, 2009*  
*Charles J. Ingersoll*  
ENGINEER OF DESIGN AND ENVIRONMENT

*January 30, 2009*  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN

APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

1.) THE RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS CONCERNING ANY MAJOR PLAN CHANGE, TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.

2.) AGREEMENT WITH THE CITY OF QUINCY.

RATES OF APPLICATION

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.

PRIMECOAT (HOT-MIX ASPHALT) 0.00038 TON/SY

PRIMECOAT (AGGREGATE) 4 LBS/SQ.YD. = 0.002 TON/SY

HOT-MIX ASPHALT SURFACE OR BINDER - 2.016 TONS/CY.  
AGGREGATE - 2.05 TONS/CY.

SEEDING, CLASS 2:

FERTILIZER RATIO 1:1:1 RATE:270 LBS/ACRE (90\* OF NITROGEN, 90\* OF PHOSPHOROUS, 90\* OF POTASSIUM)  
AGRICULTURAL GROUND LIMESTONE: 2 TON/ACRE  
MULCH: 2 TON/ACRE

GENERAL NOTES

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS, MONUMENTS, AND PERMANENT SURVEY MARKERS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSES OR OTHERWISE REFERENCED THEIR LOCATION.

THE NOMINAL THICKNESS FOR BASE AND SURFACE COURSES ARE SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES, OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEM SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.

THE THICKNESS OF HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATION OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

ANY REFERENCE TO A STANDARD IN THE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THE PLANS.

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. ALL UTILITY LOCATIONS SHOWN ARE SUPPLIED BY THE UTILITY COMPANIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEAL LEVEL DATUM.

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCE, TURN LANES, ETC. WILL BE ALLOWED.

HIGHWAY STANDARDS

- 000001-05 701801-04
- 001001-02 701901-01
- 420001-07 720016-02
- 420101-04 780001-02
- 420701-02
- 424001-05 805001-01
- 442101-07 857001-01
- 602301-02 873001-02
- 604066-02 877001-04
- 606301-04 877011-04
- 606001-04 878001-07
- 701601-06 880001-01
- 701606-06 880006-01
- 701701-06

MIXTURE REQUIREMENTS

LOCATION(S):  
MIXTURE USE(S): POLYMER HMA SURFACE COURSE (2")  
PG: SBS PG 70.22  
DESIGN AIR VOIDS: 4.0% @ N DESIGN = 70  
MIXTURE COMPOSITION  
(Gradation Mixture):IL 9.5 OR 12.5  
FRICTION AGGREGATE: MIX "D"

DISTRICT SIX	
EXAMINED <u>Dec 15</u>	20 <u>08</u>
<i>[Signature]</i>	
OPERATIONS ENGINEER	
EXAMINED <u>Dec 22</u>	20 <u>08</u>
<i>[Signature]</i>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>Dec 23</u>	20 <u>08</u>
<i>[Signature]</i>	
PROGRAM DEVELOPMENT ENGINEER	

FILE NAME =	USER NAME = jonestn	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -
	PLOT DATE = Dec-23-2008 11:39:34AM		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, GENERAL NOTES  
AND COMMITMENTS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	*	ADAMS	37	2
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 72A96	

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES**

LOCATION OF WORK				SAFETY 90% FED 10% STATE	100% STATE	5TH ST. 90% FED 5% STATE 5% QUINCY	4TH ST. 90% FED 10% STATE	100% QUINCY
<i>URBAN</i>								
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY	A000-1A	Y031-1F	Y031-1F	Y031-1F	Y031-1F
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	23	23				
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	596	596				
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	76	76				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.05	0.05				
40600300	AGGREGATE (PRIME COAT)	TON	0.3	0.3				
40600990	TEMPORARY RAMP	SQ YD	71	71				
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	14	14				
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	292	292				
42001200	PAVEMENT FABRIC	SQ YD	292	292				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	61	61				
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1,630	1,630				
42400800	DETECTABLE WARNINGS	SQ FT	218	218				
44000100	PAVEMENT REMOVAL	SQ YD	115	115				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	61	61				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	708	708				
44000600	SIDEWALK REMOVAL	SQ FT	1,553	1,553				
44002020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	168	168				
44002805	ISLAND REMOVAL	SQ FT	170	170				
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	73	73				

FILE NAME :	USER NAME = laughliri	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\LAUGHLIRI\dms24089\852487-sht-soq.dgn	DRAWN -	REVISED -	745			*	ADAMS	37	3	
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PLOT DATE = Jan-05-2009 09:24:55AM	DATE -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES**

LOCATION OF WORK				SAFETY 90% FED 10% STATE	100% STATE	6TH ST. 90% FED 5% STATE 5% QUINCY	4TH ST. 90% FED 10% STATE	100% QUINCY
<i>URBAN</i>								
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY	A000-1A	Y031-1F	Y031-1F	Y031-1F	Y031-1F
54248515	CONCRETE COLLAR	EACH	2	2				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	163	163				
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	68	68				
60237000	INLETS, TYPE A, TYPE 15 FRAME <sup>AND</sup> LID	EACH	4	4				
60242820	INLETS, SPECIAL, TYPE E	EACH	1	1				
60500060	REMOVING INLETS	EACH	6	6				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	635	635				
60609100	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (VARIABLE WIDTH GUTTER FLAG)	FOOT	76	76				
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	425	425				
60622400	CONCRETE MEDIAN, TYPE SM-6.06	SQ FT	48	48				
67100100	MOBILIZATION	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
* 72000100	SIGN PANEL - TYPE 1	SQ FT	32		32			
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	94	94				
* 78003120	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5"	FOOT	83	83				
* 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	976	976				
* 78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	171	171				

*\* Specialty Items*

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\PNWIDOT\LAUGHLINRL\dms24089	652407-sht-soa.dgn	DRAWN -	REVISED -			745		ADAMS	37	4
PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED -						CONTRACT NO. 72A96		
PLOT DATE = Jan-05-2009 09:25:03AM	DATE -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES**

LOCATION OF WORK				SAFETY 90% FED 10% STATE	100% STATE	5TH ST. 90% FED 5% STATE 5% QUINCY	4TH ST. 90% FED 10% STATE	100% QUINCY
<i>URBAN</i>								
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY	A000-1A	Y031-1F	Y031-1F	Y031-1F	Y031-1F
* 78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT	66	66				
* 78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	112	112				
78300100	PAVEMENT MARKING REMOVAL	SQ FT	940	940				
80500205	SERVICE INSTALLATION, TYPE B (MODIFIED)	EACH	1			1		
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	16			11	5	
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	3				3	
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	44			29	15	
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	4			4		
81021540	CONDUIT, AUGERED 1 1/2" DIA., PVC	FOOT	18			18		
81021560	CONDUIT, AUGERED 2 1/2" DIA., PVC	FOOT	64				64	
81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	272			209	63	
81400100	HANDHOLE	EACH	3			2	1	
81400300	DOUBLE HANDHOLE	EACH	1			1		
81400115	HANDHOLE TO BE ADJUSTED	EACH	2				2	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	67			44	23	
82104250	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	6			4	2	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1				1	
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1			1		
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1			1		
87100110	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125,6F	FOOT	613			280	333	

**\* SPECIALTY ITEMS**

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\PMIDOT\LAUGH\INRL\dmg24089\	652407-sh1-soq.dgn	DRAWN :	REVISED :			745	*	ADAMS	37	5	
	PLOT SCALE : 48.0000' / IN.	CHECKED :	REVISED :			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 72A96			
	PLOT DATE : Jan-05-2009 09:25:11AM	DATE :	REVISED :			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

• D-6 INTERSECTION IMPROVEMENTS

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES**

LOCATION OF WORK				SAFETY 90% FED 10% STATE 20% STATE	100% STATE	5TH ST. 90% FED 5% STATE 5% QUINCY	4TH ST. 90% FED 10% STATE	100% QUINCY
<i>URBAN</i>								
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY	A000-1A	Y031-1F	Y031-1F	Y031-1F	Y031-1F
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	814			447	367	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	1,616			773	843	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	434			323	111	
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12/C	FOOT	475			475		
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1				1	
87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1			1		
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1			1		
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1				1	
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1			1		
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1			1		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3				3	
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DAIMETER	FOOT	20			20		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DAIMETER	FOOT	33			22	11	
87900200	DRILL EXISTING HANDHOLE	EACH	4			2	2	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1				1	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6			4	2	

FILE NAME =	USER NAME = laughl	DESIGNED -	REVISED -
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	PLOT DATE = Jan-05-2009 09:25:19AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745		ADAMS	37	6
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 72A96		

• D-6 INTERSECTION IMPROVEMENTS

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES**

LOCATION OF WORK				SAFETY 90% FED 10% STATE	100% STATE	5TH ST. 90% FED 5% STATE 5% QUINCY	4TH ST. 90% FED 10% STATE	100% QUINCY
<i>URBAN</i>								
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY	A000-1A	Y031-1F	Y031-1F	Y031-1F	Y031-1F
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2			2		
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1				1	
88040330	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4			4		
88102830	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	1				1	
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	12			8	4	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	10			8	2	
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1				1	
89502350	REMOVE AND REINSTALL <sup>ELECTRIC</sup> CABLE FROM CONDUIT	FOOT	574				574	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				1	
89502380	REMOVE EXISTING HANDHOLE	EACH	1				1	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2				2	
X0301576	COAXIAL CABLE IN CONDUIT	FOOT	401				401	
X0320635	TWIN TENON, STEEL	EACH	3			2	1	
X0320872	VIDEO VEHICLE DETECTION SYSTEM	EACH	1			1		
X0322929	CAMERA MOUNTING ASSEMBLY	EACH	2			2		

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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	PLOT DATE = Jan-05-2009 09:25:26AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A. RTE. 745	SECTION •	COUNTY ADAMS	TOTAL SHEETS 37	SHEET NO. 7
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. T2A96				

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES**

LOCATION OF WORK				SAFETY 90% FED 10% STATE	100% STATE	5TH ST. 90% FED 5% STATE 5% QUINCY	4TH ST. 90% FED 10% STATE	100% QUINCY
<i>URBAN</i>								
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY	A000-1A	Y031-1F	Y031-1F	Y031-1F	Y031-1F
X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1/C (GREEN)	FOOT	649			276	373	
X0323986	RELOCATE EXISTING VIDEO VEHICLE DETECTOR	EACH	1				1	
X0325991	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18, 3/C	FOOT	601			601		
X5510100	STORM SEWER REMOVAL	FOOT	138	138				
X6060500	CORRUGATED MEDIAN REMOVAL	SQ FT	52	52				
X8170245	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 12	FOOT	303			303		
XX002192	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1					1
XX003163	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1					1
XX006803	EARTH EXCAVATION & EMBANKMENT	L SUM	1	1				
Z0017202	DOWEL BARS 1 1/2"	EACH	153	153				
Z0075300	TIE BARS	EACH	245	245				

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

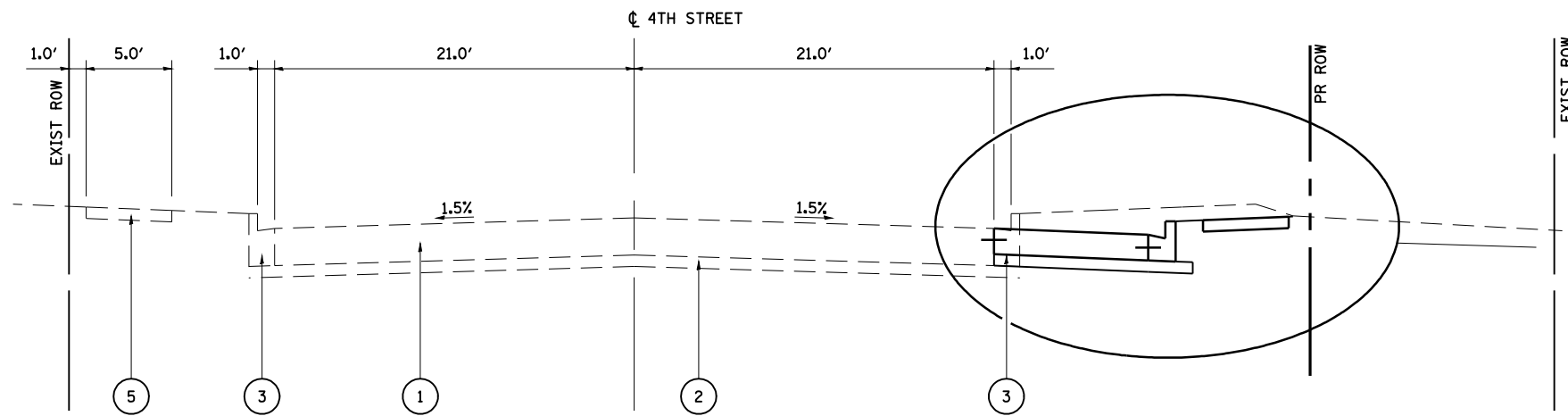
**SUMMARY OF QUANTITIES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	•	ADAMS	37	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 72A96	

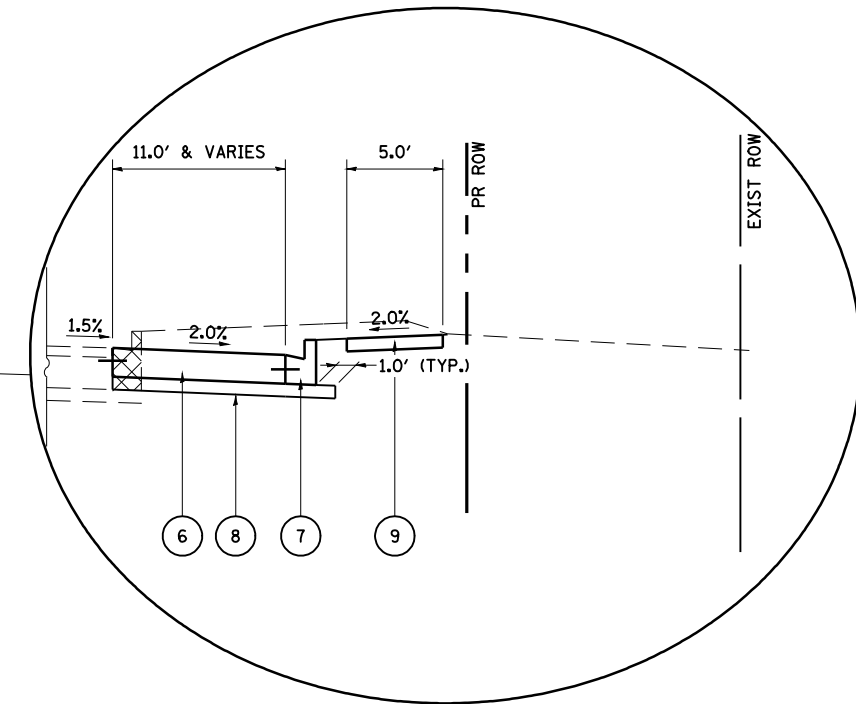
• D-6 INTERSECTION IMPROVEMENTS





STA. 7+88.30 - 9+63.00

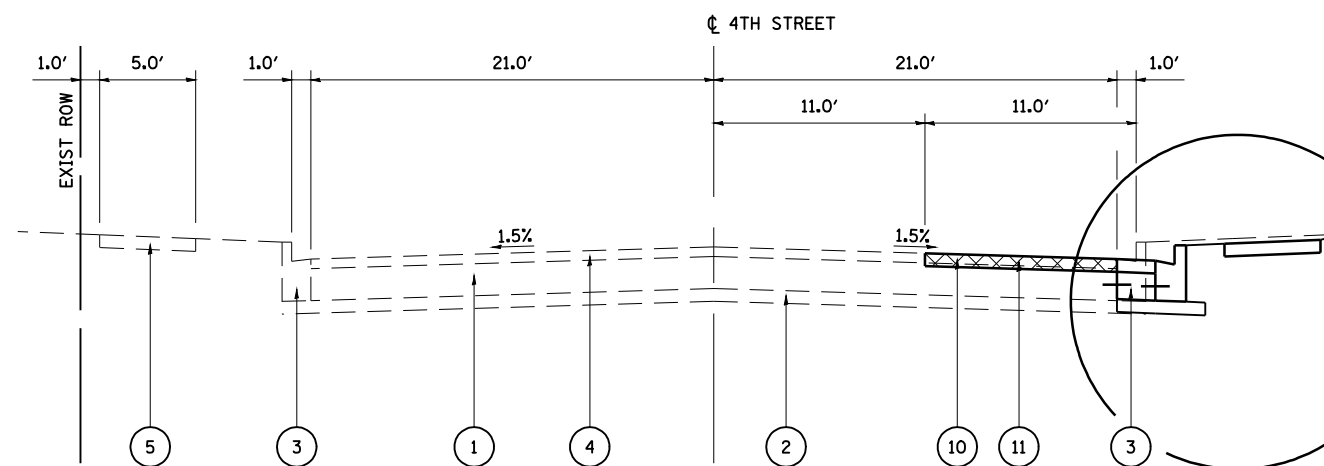
EXISTING



PROPOSED

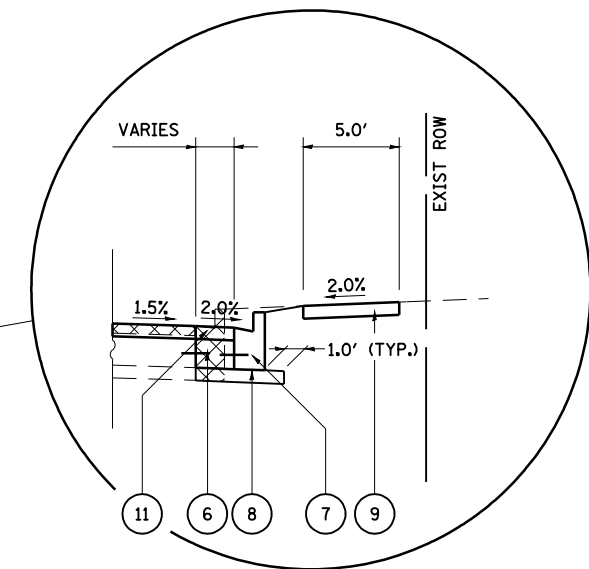
**LEGEND**

- ① EXISTING PCC PAVEMENT (10")
- ② EXISTING SUB-BASE GRANULAR MATERIAL TY A (4")
- ③ EXISTING COMBINATION CONCRETE CURB & GUTTER TY B-6.12
- ④ EXISTING HOT-MIX ASPHALT (3")
- ⑤ EXISTING PCC SIDEWALK (4")
- ⑥ PROPOSED PCC PAVEMENT (10") WITH PAVEMENT FABRIC
- ⑦ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TY B-6.12
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL TY A (4")
- ⑨ PROPOSED PCC SIDEWALK (TO BE CONSTRUCTED BY OTHERS)
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (2 1/2" MAX. & VARIES)
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 (2")



STA. 6+16.66 - 7+88.30

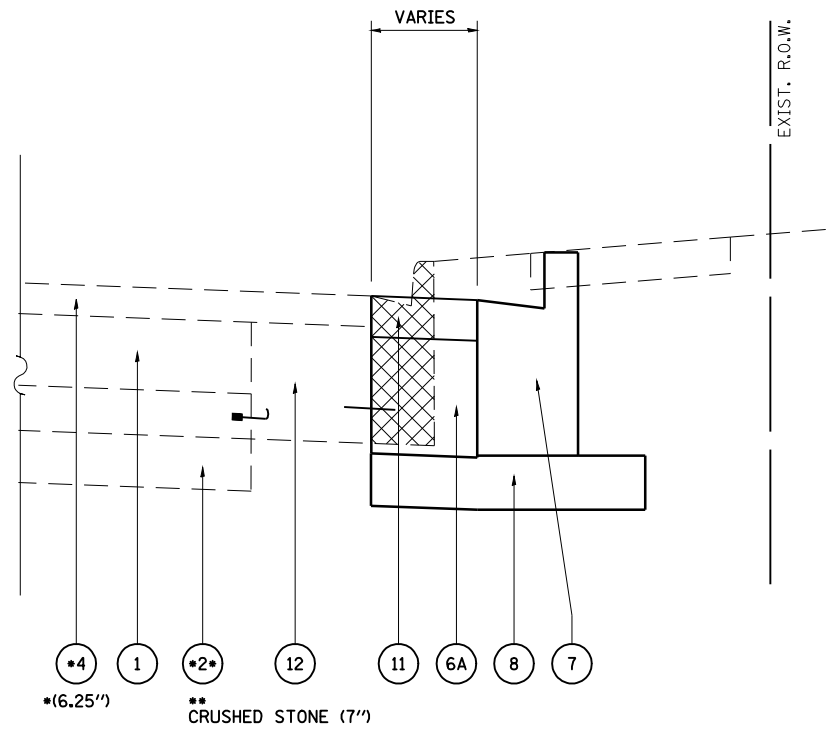
EXISTING



PROPOSED

NOT TO SCALE

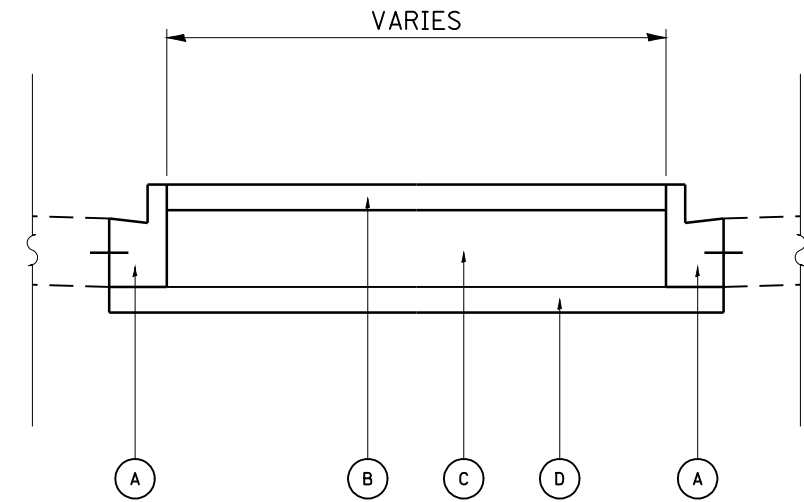
FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS - 4TH ST.</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\PWIDOT\LAUGHLINRL\dms24089\652407-shr-typicolb.dgn	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -					745	*	ADAMS	37	9
PLOT DATE = Jan-05-2009 09:25:43AM	DATE -	CHECKED -	REVISED -		CONTRACT NO. T2A96			ILLINOIS FED. AID PROJECT				
					SCALE: SHEET NO. OF SHEETS STA. TO STA.			* D-6 INTERSECTION IMPROVEMENTS				



**BROADWAY ST. & 5TH ST. INTERSECTION**

**LEGEND**

- ① EXISTING PCC PAVEMENT (10")
- ② EXISTING SUB-BASE GRANULAR MATERIAL TY A (4")
- ③ EXISTING COMBINATION CONCRETE CURB & GUTTER TY B-6.12
- ④ EXISTING HOT-MIX ASPHALT (3")
- ⑤ EXISTING PCC SIDEWALK (4")
- ⑥A PROPOSED PCC BASE COURSE WIDENING (10")
- ⑦ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TY B-6.12
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL TY A (4")
- ⑨ PROPOSED PCC SIDEWALK (TO BE CONSTRUCTED BY OTHERS)
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (2 1/2" MAX. & VARIES)
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 (2")
- ⑫ EXISTING PCC BASE COURSE WIDENING (9")



**ISLAND TYPICAL SECTION**

SE CORNER, BROADWAY & 4TH ST.

**ISLAND LEGEND**

- Ⓐ PR COMB. CC&G, TYPE B-6.12
- Ⓑ PR CONC MEDIAN SURFACE (4")
- Ⓒ PR SUB-BASE GRANULAR MATERIAL, TY A, VARIABLE DEPTH
- Ⓓ PR SUB-BASE GRANULAR MATERIAL (4")

NOT TO SCALE

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\PWIDOT\LAUGHLINRL\dms24089\652407-shr-typico1b.dgn	DRAWN -	REVISED -	745					*	ADAMS	37	10	
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 72A96									
PLOT DATE = Jan-05-2009 09:25:42AM	DATE -	REVISED -	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							

CORRUGATED MEDIAN REMOVAL	
LOCATION	QUANTITY (SQ FT)
BROADWAY AVE STA 99+33.69 TO STA 99+46.06	52
<b>TOTAL</b>	<b>52</b>

STORM SEWER REMOVAL	
LOCATION	QUANTITY (FOOT)
BROADWAY AVE & 4TH ST S.E. QUADRANT	48
BROADWAY AVE & 5TH ST N.W. QUADRANT	20
S.W. QUADRANT	20
N.E. QUADRANT	42
S.E. QUADRANT	8
<b>TOTAL</b>	<b>138</b>

STORM SEWER, RCCP, TYPE 1, 12"	
LOCATION	QUANTITY (FOOT)
BROADWAY AVE & 4TH ST S.E. QUADRANT	65
BROADWAY AVE & 5TH ST N.W. QUADRANT	18
S.W. QUADRANT	22
N.E. QUADRANT	42
S.E. QUADRANT	16
<b>TOTAL</b>	<b>163</b>

CLASS B PATCHES, TYPE IV, 10 INCH (NOTE: ALL PATCHES PAID FOR AS TYPE II REGARDLESS OF SIZE)	
LOCATION	QUANTITY (SQYD)
BROADWAY AVE & 4TH ST S.E. QUADRANT	7
BROADWAY AVE & 5TH ST N.W. QUADRANT	15
S.W. QUADRANT	22
N.E. QUADRANT	27
S.E. QUADRANT	2
<b>TOTAL</b>	<b>73</b>

DOWEL BARS (NOTE: TO BE INSTALLED IN EXISTING PAVEMENT ALONG ENDS OF PR PATCHES; DOWEL BARS REQUIRED IN PCC JOINTED PAVEMENT ARE NOT INCLUDED IN THIS SCHEDULE, BUT ARE REQUIRED AND ARE NOT PAID FOR SEPARATELY)	
LOCATION	QUANTITY (EACH)
BROADWAY AVE & 4TH ST S.E. QUADRANT	20
BROADWAY AVE & 5TH ST N.W. QUADRANT	34
S.W. QUADRANT	35
N.E. QUADRANT	60
S.E. QUADRANT	4
<b>TOTAL</b>	<b>153</b>

CONTROLLED LOW STRENGTH MATERIAL (FOR TRENCH BACKFILL)	
LOCATION	QUANTITY (CUYD)
BROADWAY AVE & 4TH ST S.E. QUADRANT	25
BROADWAY AVE & 5TH ST N.W. QUADRANT	9
S.W. QUADRANT	10
N.E. QUADRANT	19
S.E. QUADRANT	5
<b>TOTAL</b>	<b>68</b>

COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12	
LOCATION	QUANTITY (FOOT)
4TH ST S.E. QUADRANT	429
S.W. QUADRANT	23
5TH ST N.W. QUADRANT	31
N.E. QUADRANT	55
S.W. QUADRANT	55
S.E. QUADRANT	42
<b>TOTAL</b>	<b>634</b>

COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.06 (VARIABLE WIDTH GUTTER FLAG)	
LOCATION	QUANTITY (FOOT)
BROADWAY AVE & 4TH ST S.E. QUADRANT ISLAND	76
<b>TOTAL</b>	<b>76</b>

SUBBASE GRANULAR MATERIAL, TYPE A, 4"	
LOCATION	QUANTITY (SQYD)
4TH ST STA 6+16.66 TO STA 7+88.30	96
STA 7+88.30 TO STA 9+63.00	366
5TH ST N.W. QUADRANT	9
S.W. QUADRANT	50
N.E. QUADRANT	36
S.E. QUADRANT	27
BROADWAY AVE STA 99+21.00 TO STA 99+46.06	12
<b>TOTAL</b>	<b>596</b>

CONCRETE MEDIAN, TYPE SM-6.06	
LOCATION	QUANTITY (SQ FT)
BROADWAY AVE STA 99+21.00 TO STA 99+33.69	48
<b>TOTAL</b>	<b>48</b>

SUBBASE GRANULAR MATERIAL, TYPE A	
LOCATION	QUANTITY (TON)
BROADWAY AVE & 4TH ST S.E. QUADRANT ISLAND	23
<b>TOTAL</b>	<b>23</b>

TEMPORARY RAMP	
LOCATION	QUANTITY (SQYD)
4TH ST STA 6+16.66	3
STA 7+88.30	3
Est. Quantity for other locations	65
<b>TOTAL</b>	<b>71</b>

CONCRETE MEDIAN SURFACE, 4 INCH	
LOCATION	QUANTITY (SQ FT)
BROADWAY AVE & 4TH ST S.W. QUADRANT	30
N.E. ISLAND	20
S.E. QUADRANT	220
S.E. ISLAND	25
E. MEDIAN	75
BROADWAY AVE & 5TH ST N.W. QUADRANT	10
S.W. QUADRANT	15
N.E. QUADRANT	30
<b>TOTAL</b>	<b>425</b>

COMBINATION CURB AND GUTTER REMOVAL	
LOCATION	QUANTITY (FOOT)
BROADWAY STA 99+21.00 TO STA 99+33.69	30
BROADWAY AVE & 4TH ST S.W. QUADRANT	28
S.E. QUADRANT	444
BROADWAY AVE & 5TH ST N.W. QUADRANT	31
S.W. QUADRANT	64
N.E. QUADRANT	64
S.E. QUADRANT	47
<b>TOTAL</b>	<b>708</b>

ISLAND REMOVAL	
LOCATION	QUANTITY (SQ FT)
BROADWAY AVE & 4TH ST S.E. QUADRANT	170
<b>TOTAL</b>	<b>170</b>

SIDEWALK REMOVAL	
LOCATION	QUANTITY (SQ FT)
BROADWAY AVE & 4TH ST N.W. QUADRANT	145
S.W. QUADRANT	176
N.E. QUADRANT	66
N.E. ISLAND	52
E. MEDIAN	60
BROADWAY AVE & 5TH ST N.W. QUADRANT	184
S.W. QUADRANT	230
N.E. QUADRANT	340
S.E. QUADRANT	300
<b>TOTAL</b>	<b>1553</b>

CONCRETE MEDIAN SURFACE REMOVAL	
LOCATION	QUANTITY (SQ FT)
BROADWAY STA 99+21.00 TO STA 99+33.69	36
BROADWAY AVE & 4TH ST N.E. ISLAND	32
E. MEDIAN	100
<b>TOTAL</b>	<b>168</b>

PAVEMENT REMOVAL	
LOCATION	QUANTITY (SQ YD)
BROADWAY AVE & 4TH ST S.E. QUADRANT	115
<b>TOTAL</b>	<b>115</b>

PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	
LOCATION	QUANTITY (SQ YD)
BROADWAY STA 99+33.69 TO STA 99+46.06	7
5TH ST S.W. QUADRANT	34
N.E. QUADRANT	20
S.E. QUADRANT	15
<b>TOTAL</b>	<b>76</b>

PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	
LOCATION	QUANTITY (SQ YD)
4TH ST STA 6+16.66 TO STA 7+88.30	48
STA 7+88.30 TO STA 9+63.00	244
<b>TOTAL</b>	<b>292</b>

TIE BARS (NOTE: TO BE INSTALLED IN EXISTING PAVEMENT ALONG PR PCC PAVT / WID; TIE BARS REQUIRED ALONG C & G ARE NOT INCLUDED IN THIS SCHEDULE, BUT ARE REQUIRED AND ARE NOT PAID FOR SEPARATELY)	
LOCATION	QUANTITY (EACH)
BROADWAY STA 99+33.69 TO STA 99+46.06	12
4TH ST STA 6+16.66 TO STA 7+88.30	69
STA 7+88.30 TO STA 9+63.00	80
5TH ST N.W. QUADRANT	13
S.W. QUADRANT	26
N.E. QUADRANT	26
S.E. QUADRANT	19
<b>TOTAL</b>	<b>245</b>

PAVEMENT FABRIC	
LOCATION	QUANTITY (SQ YD)
4TH ST STA 6+16.66 TO STA 7+88.30	48
STA 7+88.30 TO STA 9+63.00	244
<b>TOTAL</b>	<b>292</b>

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	
LOCATION	QUANTITY (TON)
BROADWAY STA 99+33.69 TO STA 99+46.06	0.8
4TH ST STA 6+16.66 TO STA 7+88.30	5.4
5TH ST S.W. QUADRANT	3.8
N.E. QUADRANT	2.3
S.E. QUADRANT	1.7
<b>TOTAL</b>	<b>14</b>

PCC SIDEWALK, 4 INCH	
LOCATION	QUANTITY (SQ FT)
BROADWAY AVE & 4TH ST N.W. QUADRANT	120
S.W. QUADRANT	155
N.E. QUADRANT	90
N.E. ISLAND	80
S.E. QUADRANT	120
S.E. ISLAND	145
E. MEDIAN	90
BROADWAY AVE & 5TH ST N.W. QUADRANT	170
S.W. QUADRANT	180
N.E. QUADRANT	310
S.E. QUADRANT	170
<b>TOTAL</b>	<b>1630</b>

DETECTABLE WARNINGS	
LOCATION	QUANTITY (SQ FT)
BROADWAY AVE & 4TH ST N.W. QUADRANT	16
S.W. QUADRANT	20
N.E. QUADRANT	12
N.E. ISLAND	36
S.E. QUADRANT	10
S.E. ISLAND	30
E. MEDIAN	20
BROADWAY AVE & 5TH ST N.W. QUADRANT	26
S.W. QUADRANT	14
N.E. QUADRANT	14
S.E. QUADRANT	20
<b>TOTAL</b>	<b>218</b>

PREFORMED PLASTIC PAVEMENT MARKING TYPE B - LINE 24" (SOLID WHITE)	
LOCATION	QUANTITY (FOOT)
STOP BARS AT 4TH & BROADWAY	
RT-TURN LANE ON 4TH ST S.E. QUADRANT	18
4TH ST STA 9+49.00	33
BROADWAY EAST-BOUND, STA 99+66.1	24
BROADWAY WEST-BOUND, STA 100+41.5	23
BROADWAY WEST-BOUND RT TURN LANE, STA 100+47	14
<b>TOTAL</b>	<b>112</b>

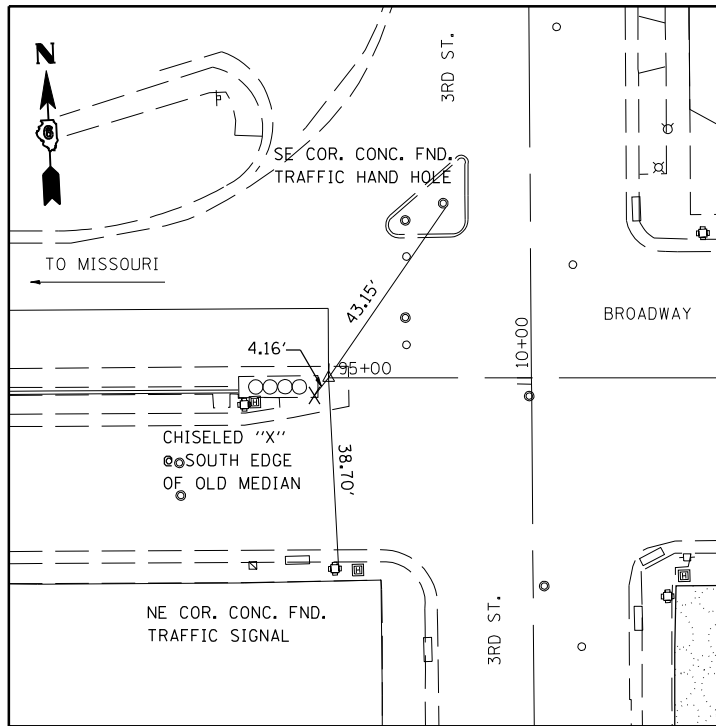
PREFORMED PLASTIC PAVEMENT MARKING TYPE B - LETTERS & SYMBOLS (SOLID WHITE)	
LOCATION	QUANTITY (SQ FT)
4TH ST & BROADWAY 3 RIGHT-TURN ARROWS	46.8
3 LEFT-TURN ARROWS	46.8
<b>TOTAL</b>	<b>93.6</b>

PREFORMED PLASTIC PAVEMENT MARKING TYPE B - LINE 5"	
LOCATION	QUANTITY (FOOT)
5" WHITE SKIP-DASH STA 6+16.66 TO STA 9+49	83
<b>TOTAL</b>	<b>83</b>

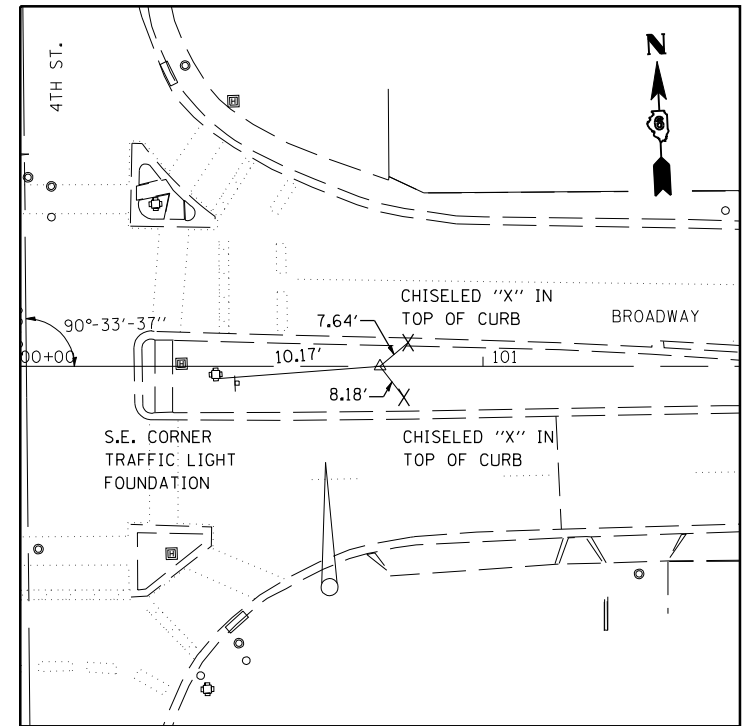
**BENCHMARKS**

BM 44 STA. 104+99.00, 44.57' LT.  
BRASS PLATE, NE CORNER 5th & BROADWAY  
ELEV. = 577.18

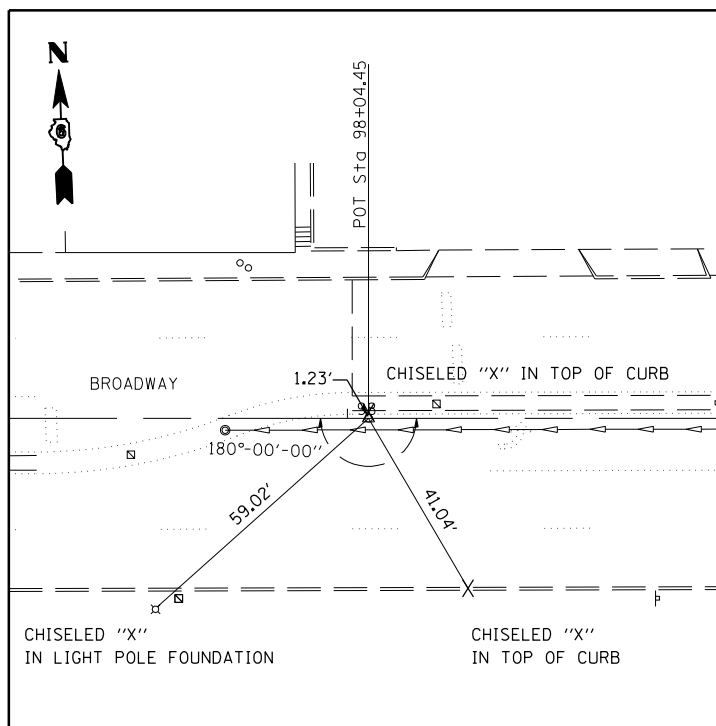
BM 9904 STA. 100+78.58, 0.08' LT.  
STARDRILL IN CHISELED "X"  
ELEV. = 565.22



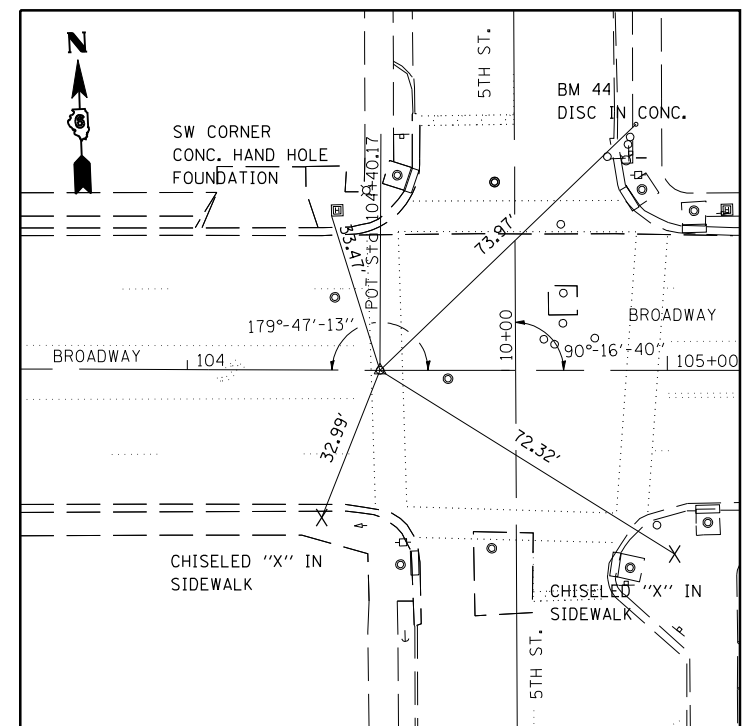
**POT #1104 STA. 95+00.00  
(STARDRILL IN CHISELED "X")**



**BM# 9904 STA. 100+78.58, 0.08' LT.  
STARDRILL IN CHISELED "X"  
ELEV. = 565.22**



**POT #103 STA. 98+04.45  
(PK NAIL IN CHISELED "X")**



**PI #1102 STA. 104+40.17  
(PK NAIL IN CHISELED "X")**

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
ct:\pwk\work\PWIDOT\LAUGHLINRL\dms24089\1052407-shr-ATB.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TIES & BENCHMARKS**

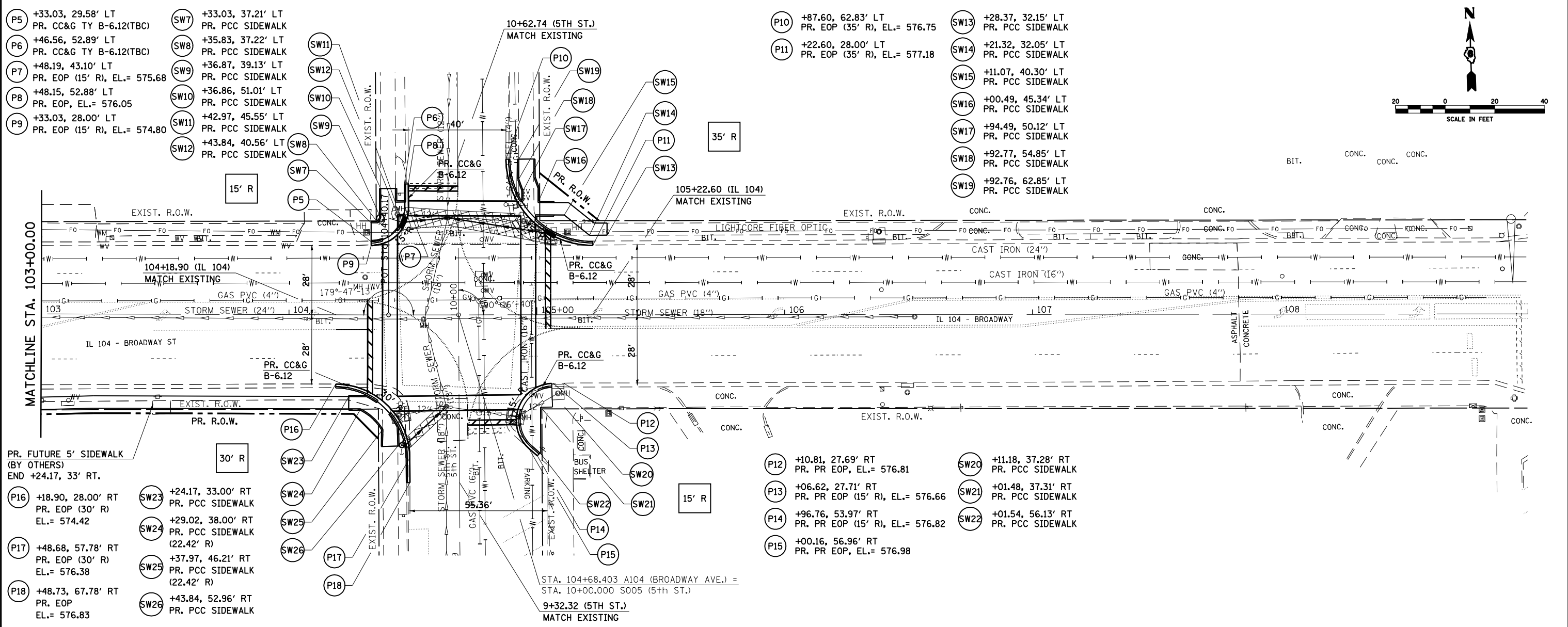
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	*	ADAMS	37	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 72A96	



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	

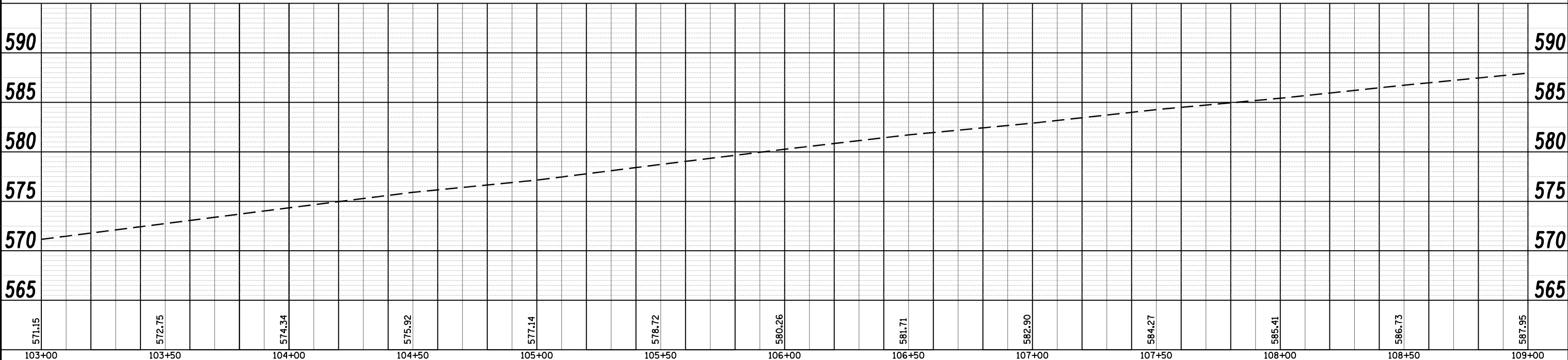
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	



- PR. FUTURE 5' SIDEWALK (BY OTHERS)  
END +24.17, 33' RT.
- P16 +18.90, 28.00' RT  
PR. EOP (30' R)  
EL.= 574.42
  - P17 +48.68, 57.78' RT  
PR. EOP (30' R)  
EL.= 576.38
  - P18 +48.73, 67.78' RT  
PR. EOP  
EL.= 576.83
  - SW23 +24.17, 33.00' RT  
PR. PCC SIDEWALK
  - SW24 +29.02, 38.00' RT  
PR. PCC SIDEWALK (22.42' R)
  - SW25 +37.97, 46.21' RT  
PR. PCC SIDEWALK (22.42' R)
  - SW26 +43.84, 52.96' RT  
PR. PCC SIDEWALK

- P10 +87.60, 62.83' LT  
PR. EOP (35' R), EL.= 576.75
- P11 +22.60, 28.00' LT  
PR. EOP (35' R), EL.= 577.18
- SW13 +28.37, 32.15' LT  
PR. PCC SIDEWALK
- SW14 +21.32, 32.05' LT  
PR. PCC SIDEWALK
- SW15 +11.07, 40.30' LT  
PR. PCC SIDEWALK
- SW16 +00.49, 45.34' LT  
PR. PCC SIDEWALK
- SW17 +94.49, 50.12' LT  
PR. PCC SIDEWALK
- SW18 +92.77, 54.85' LT  
PR. PCC SIDEWALK
- SW19 +92.76, 62.85' LT  
PR. PCC SIDEWALK

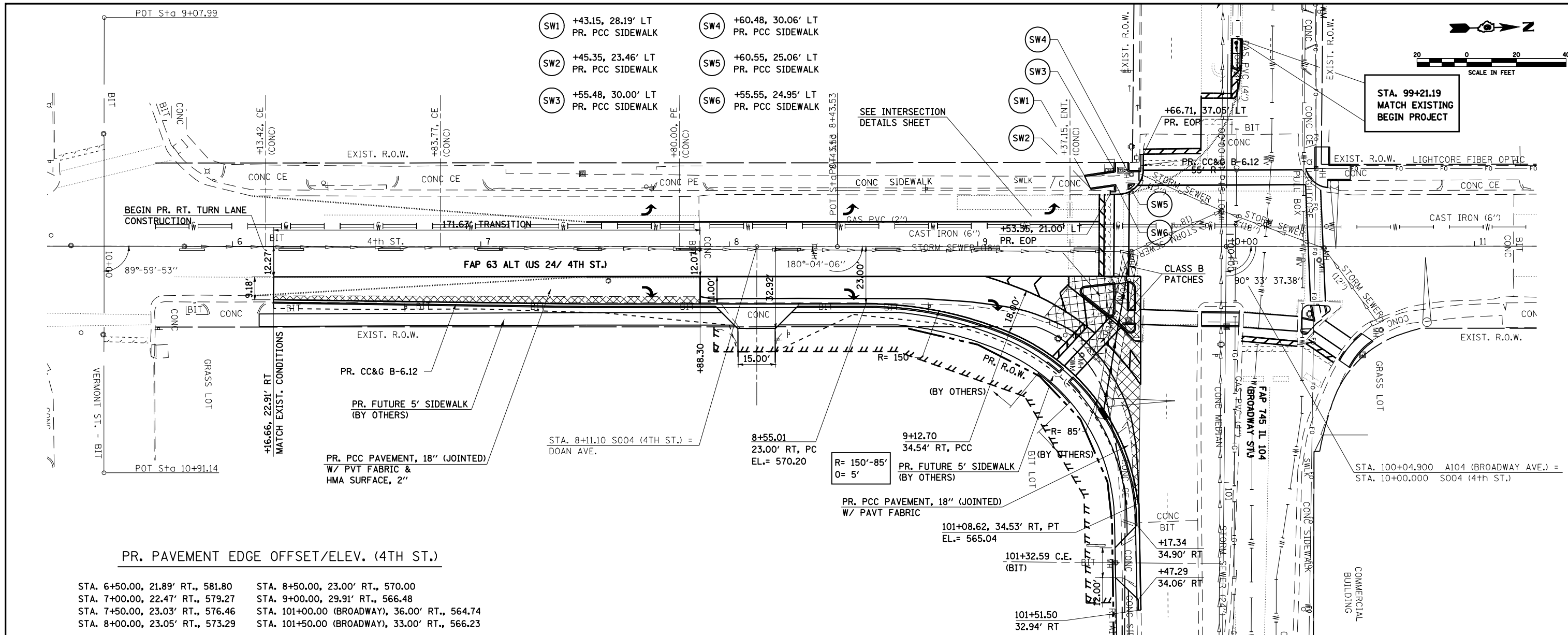
- P12 +10.81, 27.69' RT  
PR. PR EOP, EL.= 576.81
- P13 +06.62, 27.71' RT  
PR. PR EOP (15' R), EL.= 576.66
- P14 +96.76, 53.97' RT  
PR. PR EOP (15' R), EL.= 576.82
- P15 +00.16, 56.96' RT  
PR. PR EOP, EL.= 576.98
- SW20 +11.18, 37.28' RT  
PR. PCC SIDEWALK
- SW21 +01.48, 37.31' RT  
PR. PCC SIDEWALK
- SW22 +01.54, 56.13' RT  
PR. PCC SIDEWALK



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE - BROADWAY ST. (IL 104)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 72A96				
PLOT DATE = Jan-05-2009 09:42:51AM		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

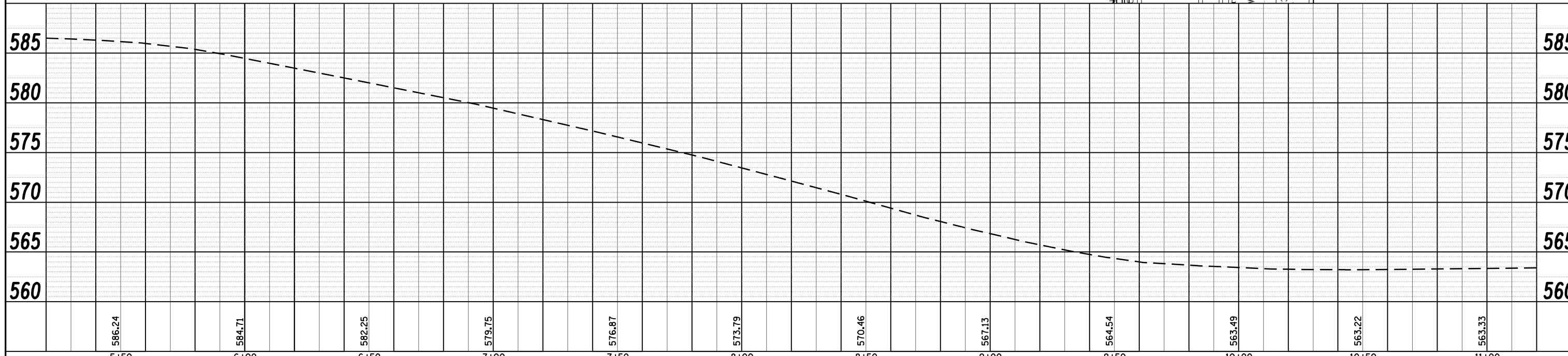
PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



**PR. PAVEMENT EDGE OFFSET/ELEV. (4TH ST.)**

STA. 6+50.00, 21.89' RT., 581.80	STA. 8+50.00, 23.00' RT., 570.00
STA. 7+00.00, 22.47' RT., 579.27	STA. 9+00.00, 29.91' RT., 566.48
STA. 7+50.00, 23.03' RT., 576.46	STA. 101+00.00 (BROADWAY), 36.00' RT., 564.74
STA. 8+00.00, 23.05' RT., 573.29	STA. 101+50.00 (BROADWAY), 33.00' RT., 566.23



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
ct:\pwork\PWIDOT\LAUGHLINR1\dms24089\d62407-sht-plnprfa0041.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = Jan-05-2009 09:47:34AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE - 4TH ST.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	.	Adams	37	15
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 72A96	

• D-6 INTERSECTION IMPROVEMENT

- P16 +18.90, 28.00' RT  
PR. EOP (30' R)
- P17 +48.68, 57.78' RT  
PR. EOP (30' R)
- P18 +48.73, 67.78' RT  
PR. EOP

- SW23 +24.17, 33.00' RT  
PR. PCC SIDEWALK
- SW24 +29.02, 38.00' RT  
PR. PCC SIDEWALK  
(22.42' R)
- SW25 +37.97, 46.21' RT  
PR. PCC SIDEWALK  
(22.42' R)
- SW26 +43.84, 52.96' RT  
PR. PCC SIDEWALK

- P5 +33.03, 29.58' LT  
PR. CC&G TY B-6.12(TBC)
- P6 +46.56, 52.89' LT  
PR. CC&G TY B-6.12(TBC)
- P7 +48.19, 43.10' LT  
PR. EOP (15' R)
- P8 +48.15, 52.88' LT  
PR. EOP
- P9 +33.03, 28.00' LT  
PR. EOP (15' R)

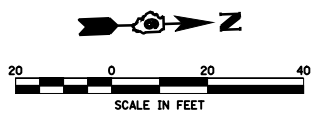
- SW7 +33.03, 37.21' LT  
PR. PCC SIDEWALK
- SW8 +35.83, 37.22' LT  
PR. PCC SIDEWALK
- SW9 +36.87, 39.13' LT  
PR. PCC SIDEWALK
- SW10 +36.86, 51.01' LT  
PR. PCC SIDEWALK
- SW11 +42.97, 45.55' LT  
PR. PCC SIDEWALK
- SW12 +43.84, 40.56' LT  
PR. PCC SIDEWALK

- P12 +10.81, 27.69' RT  
PR. PR EOP  
BEGIN C&G WORK ON  
WEST SIDE OF INLET
- P13 +06.62, 27.71' RT  
PR. PR EOP (15' R)
- P14 +96.76, 53.97' RT  
PR. PR EOP (15' R)
- P15 +00.16, 56.96' RT  
PR. PR EOP

- SW20 +11.18, 37.28' RT  
PR. PCC SIDEWALK
- SW21 +01.48, 37.31' RT  
PR. PCC SIDEWALK
- SW22 +01.54, 56.13' RT  
PR. PCC SIDEWALK

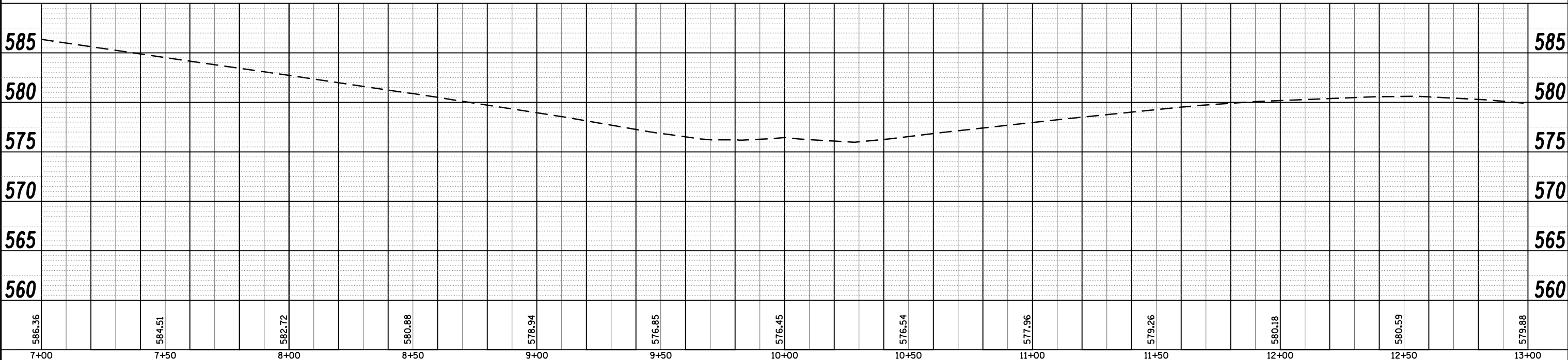
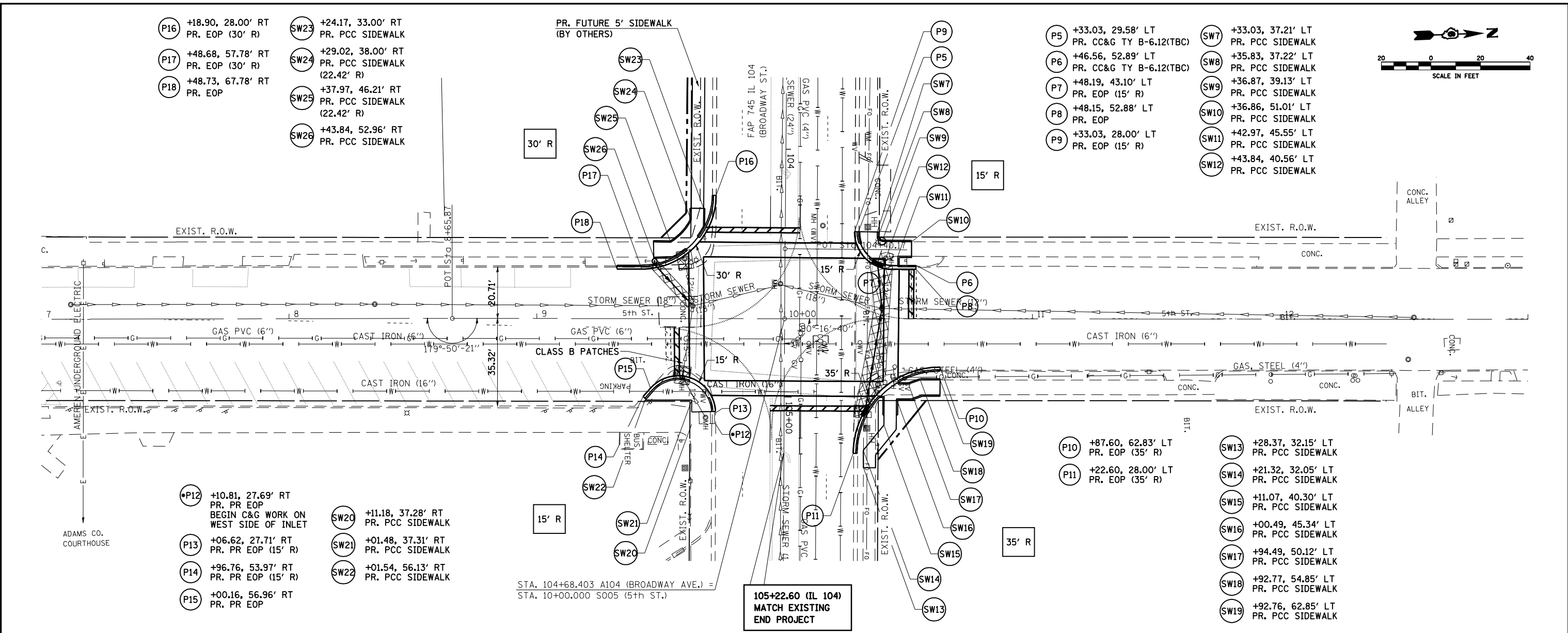
- P10 +87.60, 62.83' LT  
PR. EOP (35' R)
- P11 +22.60, 28.00' LT  
PR. EOP (35' R)

- SW13 +28.37, 32.15' LT  
PR. PCC SIDEWALK
- SW14 +21.32, 32.05' LT  
PR. PCC SIDEWALK
- SW15 +11.07, 40.30' LT  
PR. PCC SIDEWALK
- SW16 +00.49, 45.34' LT  
PR. PCC SIDEWALK
- SW17 +94.49, 50.12' LT  
PR. PCC SIDEWALK
- SW18 +92.77, 54.85' LT  
PR. PCC SIDEWALK
- SW19 +92.76, 62.85' LT  
PR. PCC SIDEWALK



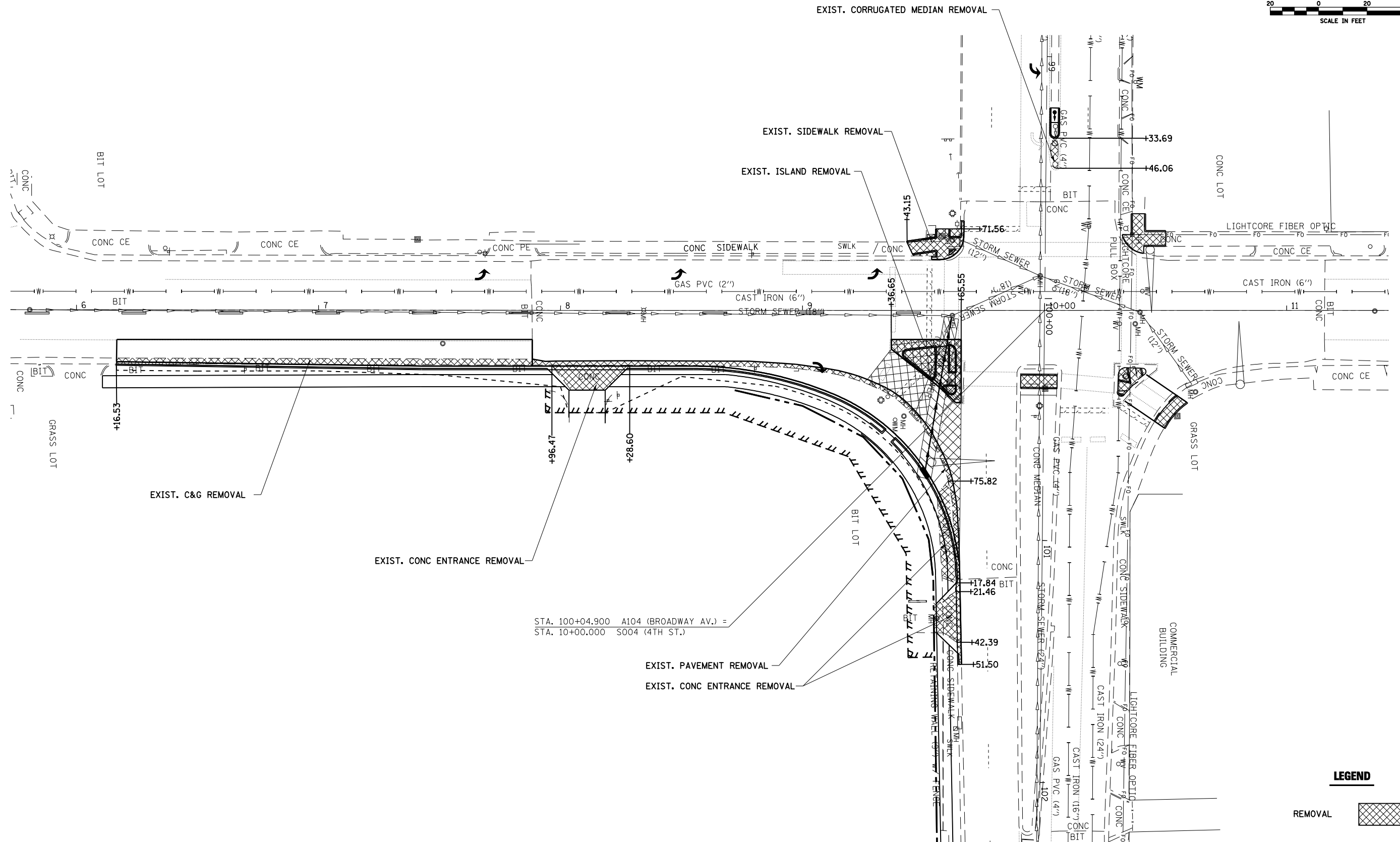
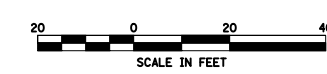
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTED		
	FILED		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTED		
	FILED		



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE - 5TH ST.</b>				F.A.P. RTE. 745	SECTION .	COUNTY Adams	TOTAL SHEETS 37	SHEET NO. 16
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PLOT DATE = Jan-05-2009 09:47:40AM	DATE -	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
* D-6 INTERSECTION IMPROVEMENT													





STA. 100+04.900 A104 (BROADWAY AV.) =  
 STA. 10+00.000 S004 (4TH ST.)

**LEGEND**

REMOVAL

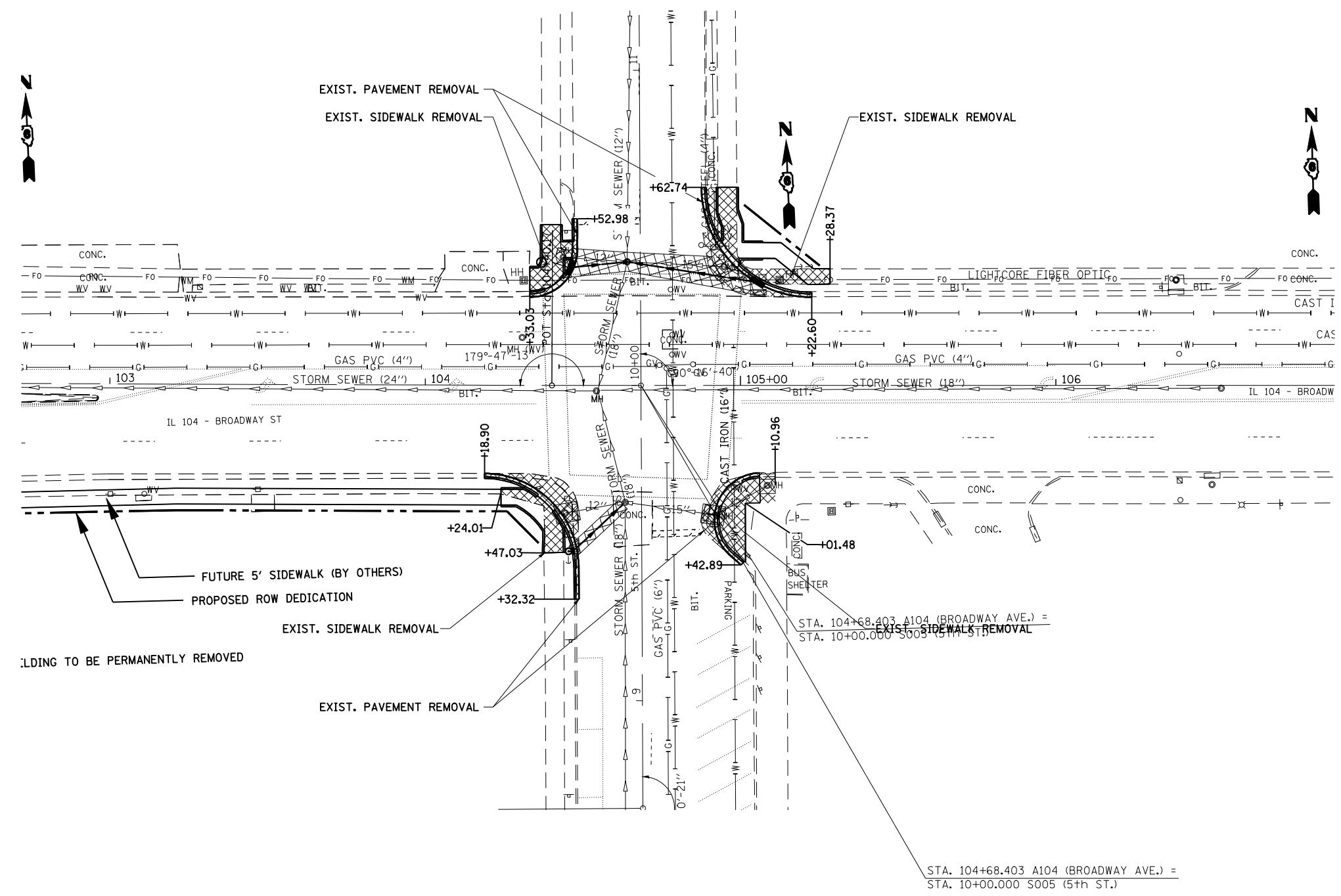
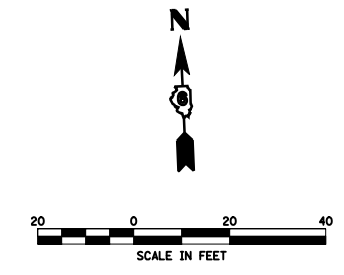
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	PLOT DATE = Jan-05-2009 09:47:43AM	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL AREAS 4TH ST.**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	.	ADAMS	37	17
CONTRACT NO. T2A96				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



BUILDING TO BE PERMANENTLY REMOVED

STA. 104+68.403 A104 (BROADWAY AVE.) =  
STA. 10+00.000 S005 (5th ST.)

**LEGEND**

REMOVAL

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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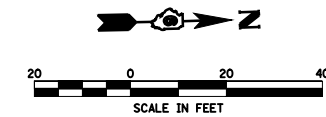
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL AREAS 5TH ST.</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	*	ADAMS	37	18
CONTRACT NO.			72A96	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*D-6 INTERSECTION IMPROVEMENT				

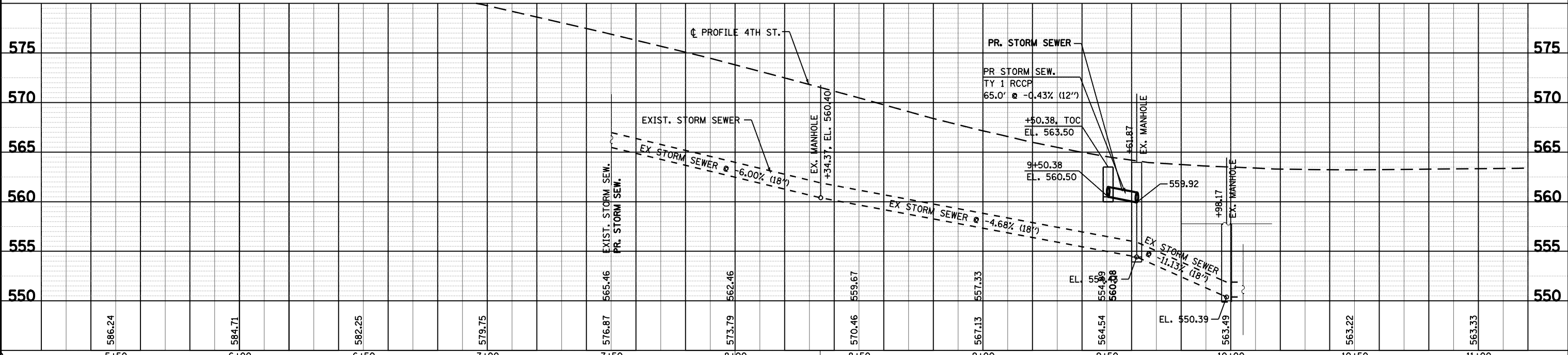
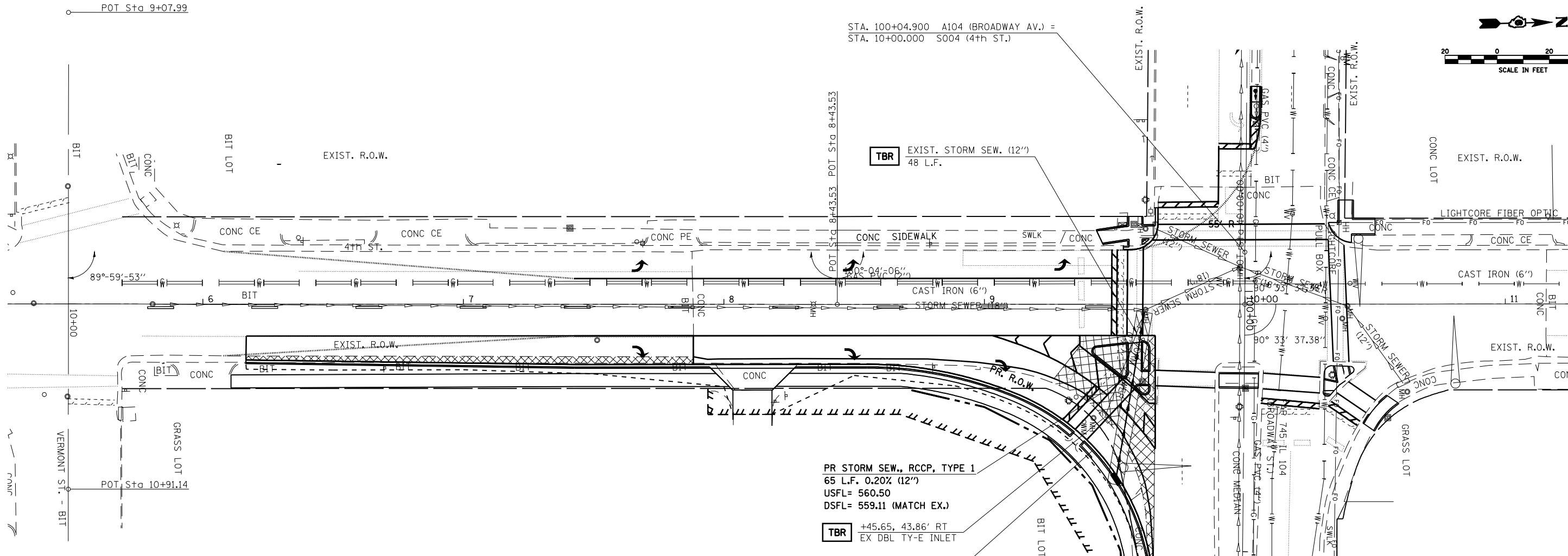
POT Sta 9+07.99

STA. 100+04.900 A104 (BROADWAY AV.) =  
STA. 10+00.000 S004 (4TH ST.)



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CARD FILE NAME		
	NO.		

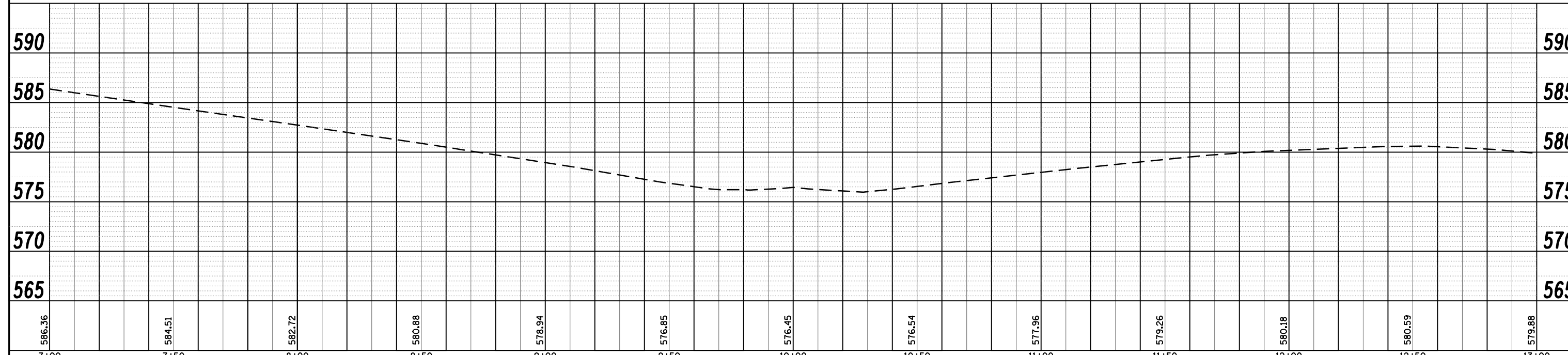
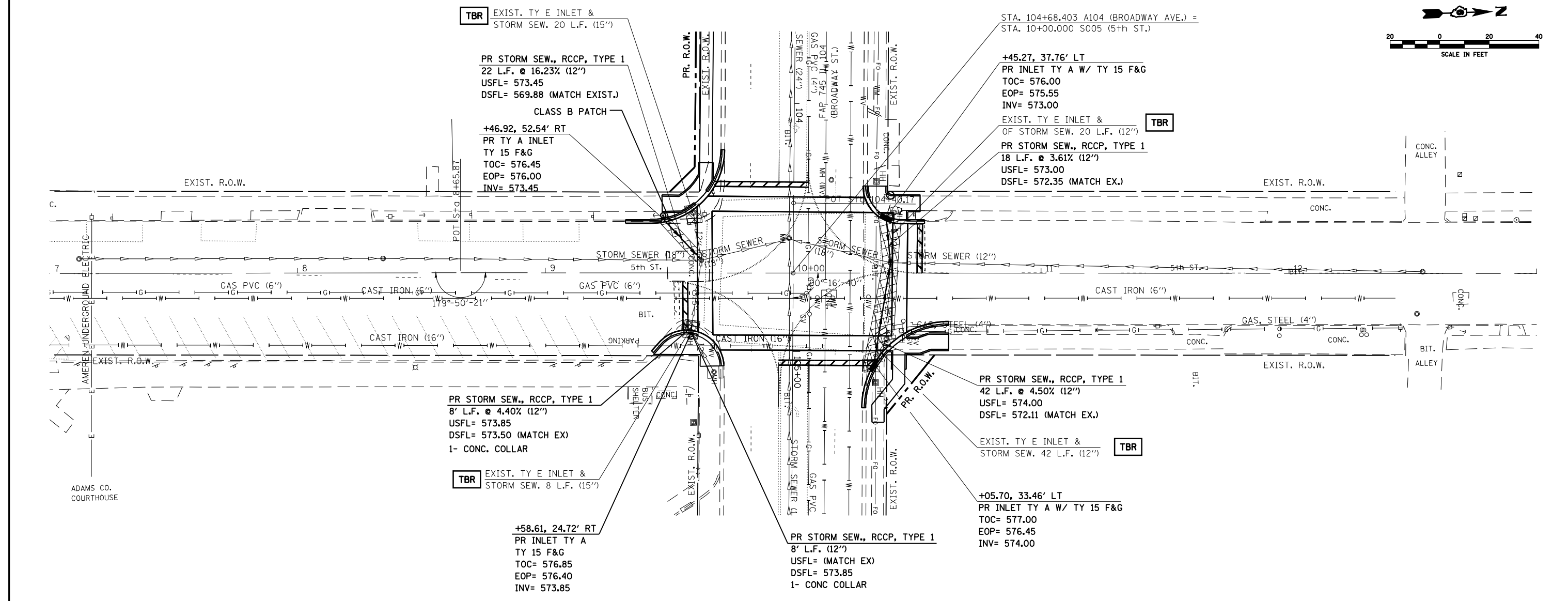
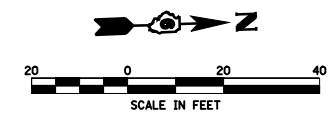
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIS		
	CHPO		
	NO.		



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STORM SEWER PLAN &amp; PROFILE - 4TH ST.</b>		F.A.P. RTE. 745	SECTION .	COUNTY Adams	TOTAL SHEETS 37	SHEET NO. 19	
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PLOT DATE = Jan-05-2009 09:47:51AM	DATE -	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -		D-6 INTERSECTION IMPROVEMENT							

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	
	NO.	

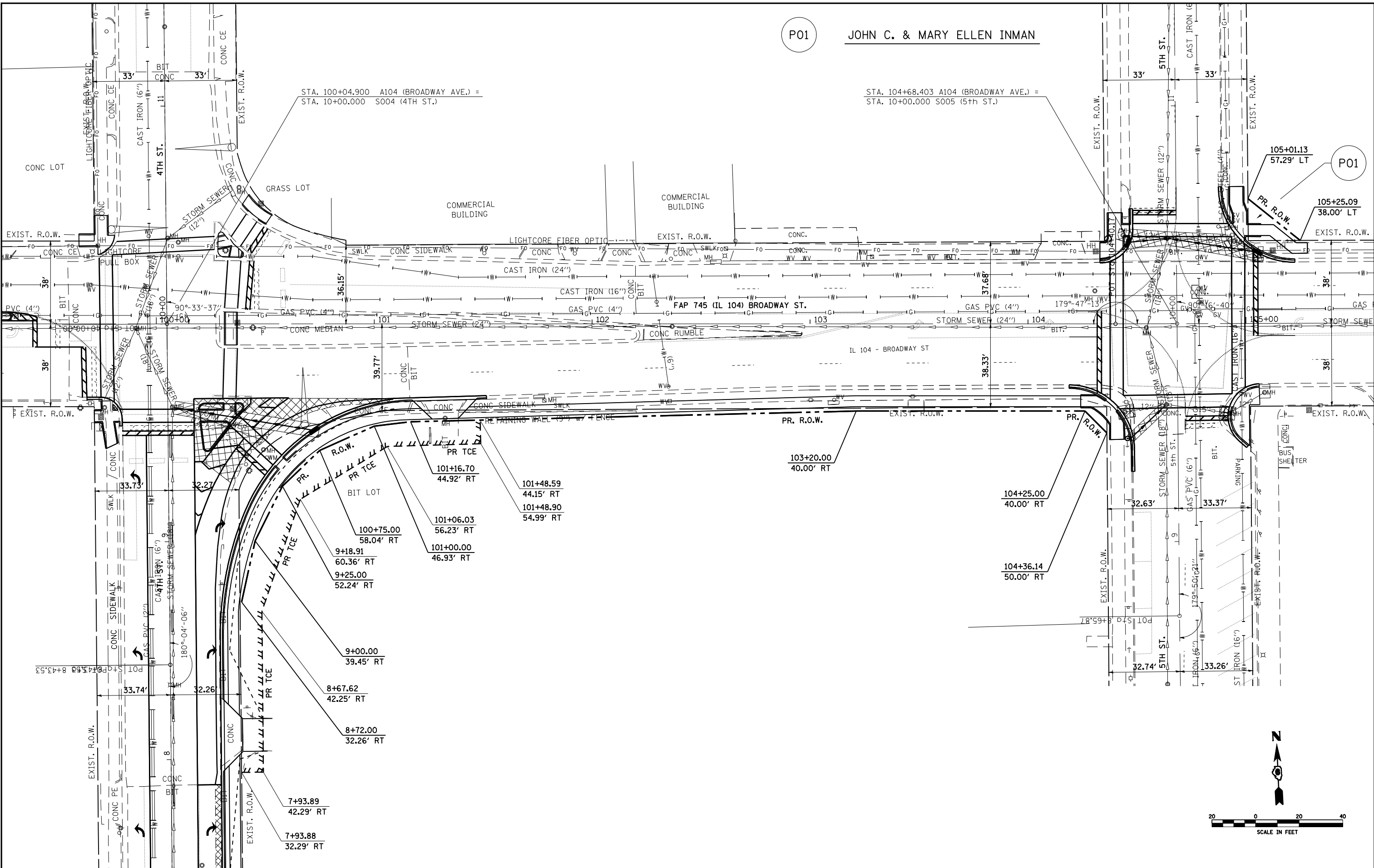


FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STORM SEWER PLAN &amp; PROFILE - 5TH ST.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 72A96				
PLOT DATE = Jan-05-2009 09:47:57AM		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• D-6 INTERSECTION IMPROVEMENT

P01

JOHN C. & MARY ELLEN INMAN



P01

105+01.13  
57.29' LT

105+25.09  
38.00' LT

STA. 100+04.900 A104 (BROADWAY AVE.) =  
STA. 10+00.000 S004 (4TH ST.)

STA. 104+68.403 A104 (BROADWAY AVE.) =  
STA. 10+00.000 S005 (5th ST.)

- 101+16.70  
44.92' RT
- 101+48.59  
44.15' RT
- 101+48.90  
54.99' RT
- 101+06.03  
56.23' RT
- 101+00.00  
46.93' RT
- 100+75.00  
58.04' RT
- 9+18.91  
60.36' RT
- 9+25.00  
52.24' RT
- 9+00.00  
39.45' RT
- 8+67.62  
42.25' RT
- 8+72.00  
32.26' RT
- 7+93.89  
42.29' RT
- 7+93.88  
32.29' RT

103+20.00  
40.00' RT

104+25.00  
40.00' RT

104+36.14  
50.00' RT



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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		DATE -	REVISED -
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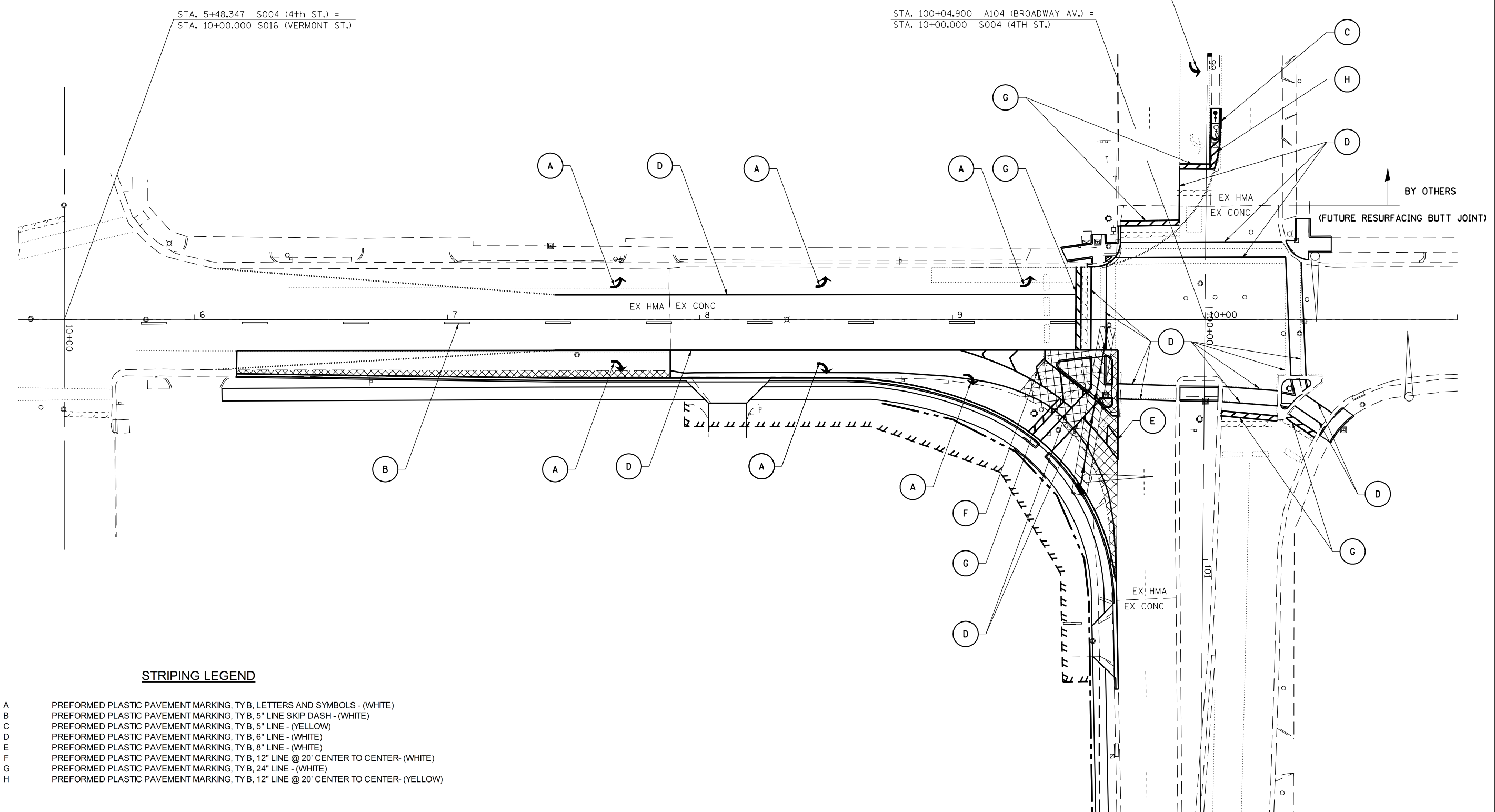
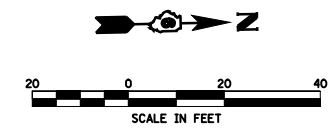
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET - PR. R.O.W.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	.	Adams	37	21
CONTRACT NO. 72A96				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• D-6 INTERSECTION IMPROVEMENT				





**STRIPING LEGEND**

- A PREFORMED PLASTIC PAVEMENT MARKING, TY B, LETTERS AND SYMBOLS - (WHITE)
- B PREFORMED PLASTIC PAVEMENT MARKING, TY B, 5" LINE SKIP DASH - (WHITE)
- C PREFORMED PLASTIC PAVEMENT MARKING, TY B, 5" LINE - (YELLOW)
- D PREFORMED PLASTIC PAVEMENT MARKING, TY B, 6" LINE - (WHITE)
- E PREFORMED PLASTIC PAVEMENT MARKING, TY B, 8" LINE - (WHITE)
- F PREFORMED PLASTIC PAVEMENT MARKING, TY B, 12" LINE @ 20' CENTER TO CENTER- (WHITE)
- G PREFORMED PLASTIC PAVEMENT MARKING, TY B, 24" LINE - (WHITE)
- H PREFORMED PLASTIC PAVEMENT MARKING, TY B, 12" LINE @ 20' CENTER TO CENTER- (YELLOW)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

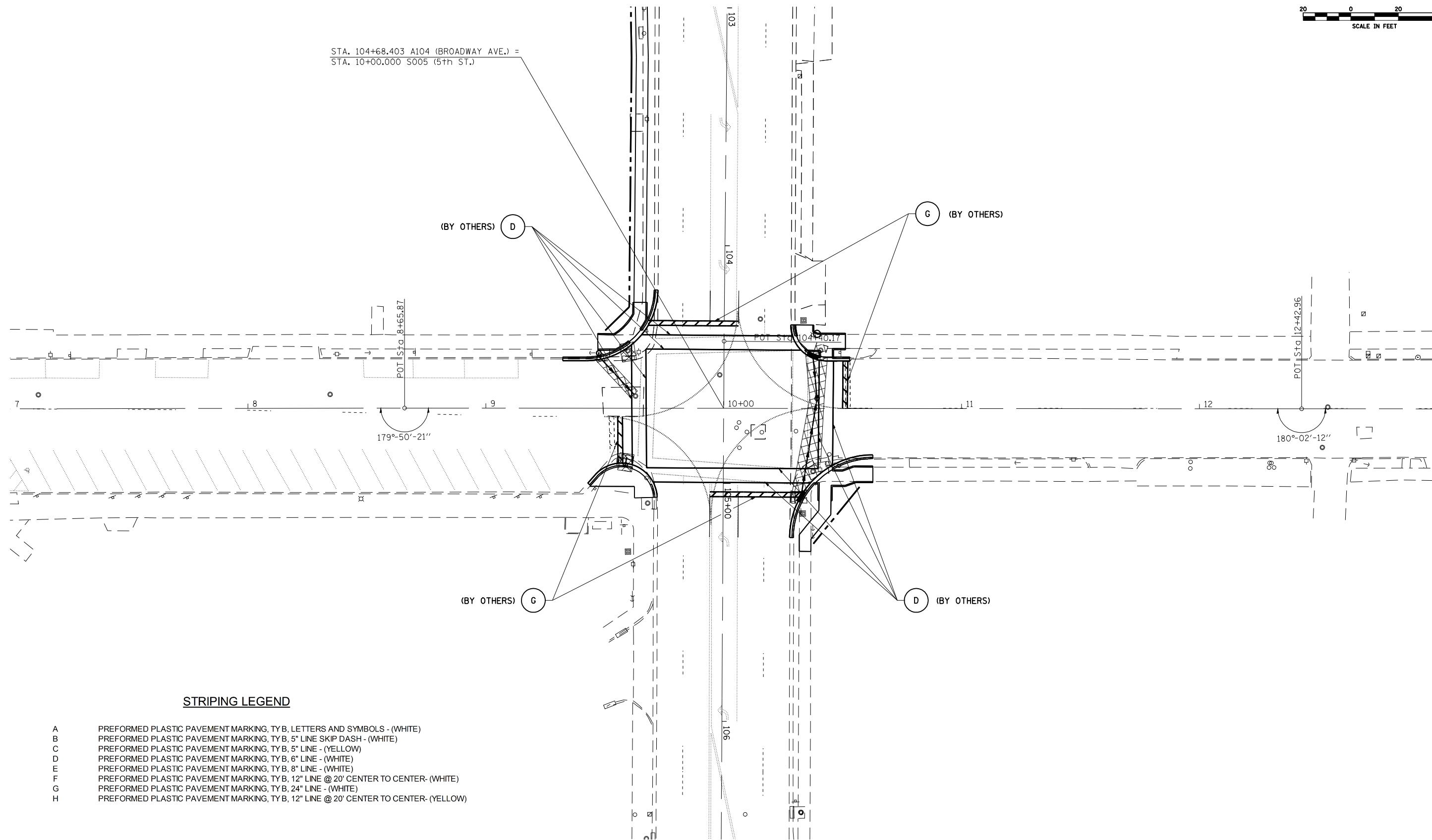
PAVEMENT MARKING DETAILS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	.	Adams	37	23
CONTRACT NO. 72A96				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• D-6 INTERSECTION IMPROVEMENT



STA. 104+68.403 A104 (BROADWAY AVE.) =  
STA. 10+00.000 S005 (5th ST.)



**STRIPING LEGEND**

- A PREFORMED PLASTIC PAVEMENT MARKING, TY B, LETTERS AND SYMBOLS - (WHITE)
- B PREFORMED PLASTIC PAVEMENT MARKING, TY B, 5" LINE SKIP DASH - (WHITE)
- C PREFORMED PLASTIC PAVEMENT MARKING, TY B, 5" LINE - (YELLOW)
- D PREFORMED PLASTIC PAVEMENT MARKING, TY B, 6" LINE - (WHITE)
- E PREFORMED PLASTIC PAVEMENT MARKING, TY B, 8" LINE - (WHITE)
- F PREFORMED PLASTIC PAVEMENT MARKING, TY B, 12" LINE @ 20' CENTER TO CENTER - (WHITE)
- G PREFORMED PLASTIC PAVEMENT MARKING, TY B, 24" LINE - (WHITE)
- H PREFORMED PLASTIC PAVEMENT MARKING, TY B, 12" LINE @ 20' CENTER TO CENTER - (YELLOW)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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	PLOT DATE = Jan-05-2009 09:50:29AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	•	Adams	37	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 72A96	

• D-6 INTERSECTION IMPROVEMENT



### TRAFFIC SIGNAL PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING) SIZE - TYPE (S=STEEL P=PVC F=FIBER DUCT U=UNI-DUCT)
		CONDUIT SPLICE
		SPAN WIRE / TETHER WIRE
		SIDEWALK REMOVAL IN SQ FT
		PC CONC SDWLK 4 IN. IN SQ FT
		PC CONC SDWLK 4 IN. SPECIAL IN SQ FT

### TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
		8" SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		9" PEDESTRIAN SIGNAL FACE
		12" PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN ( TWISTED )
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R= RED W= WHITE Y= YELLOW G= GREEN B= BLUE O= ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
et:\pw\work\PWIDOT\LAUGHLINRL\dms24089\	S_Sheetscopy.dgn	DRAWN -	REVISED -
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	PLOT DATE = Jan-05-2009 09:50:33AM	DATE -	REVISED -

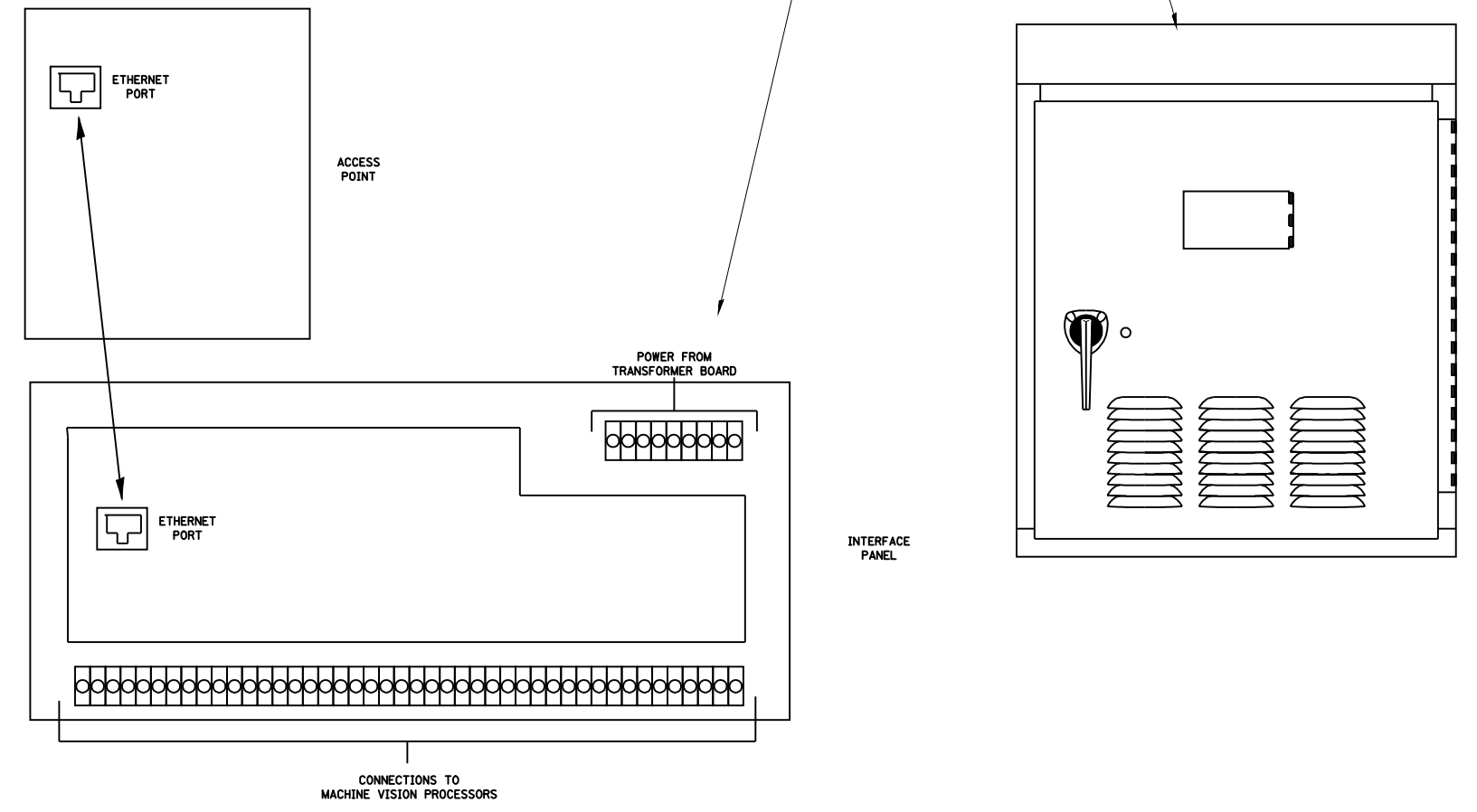
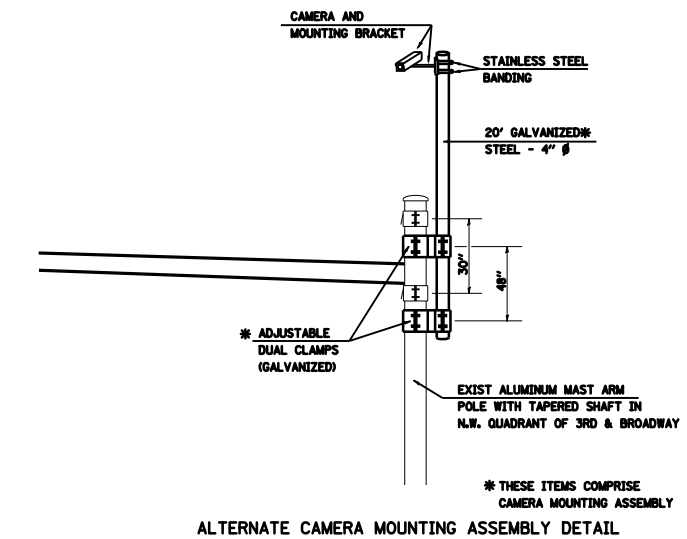
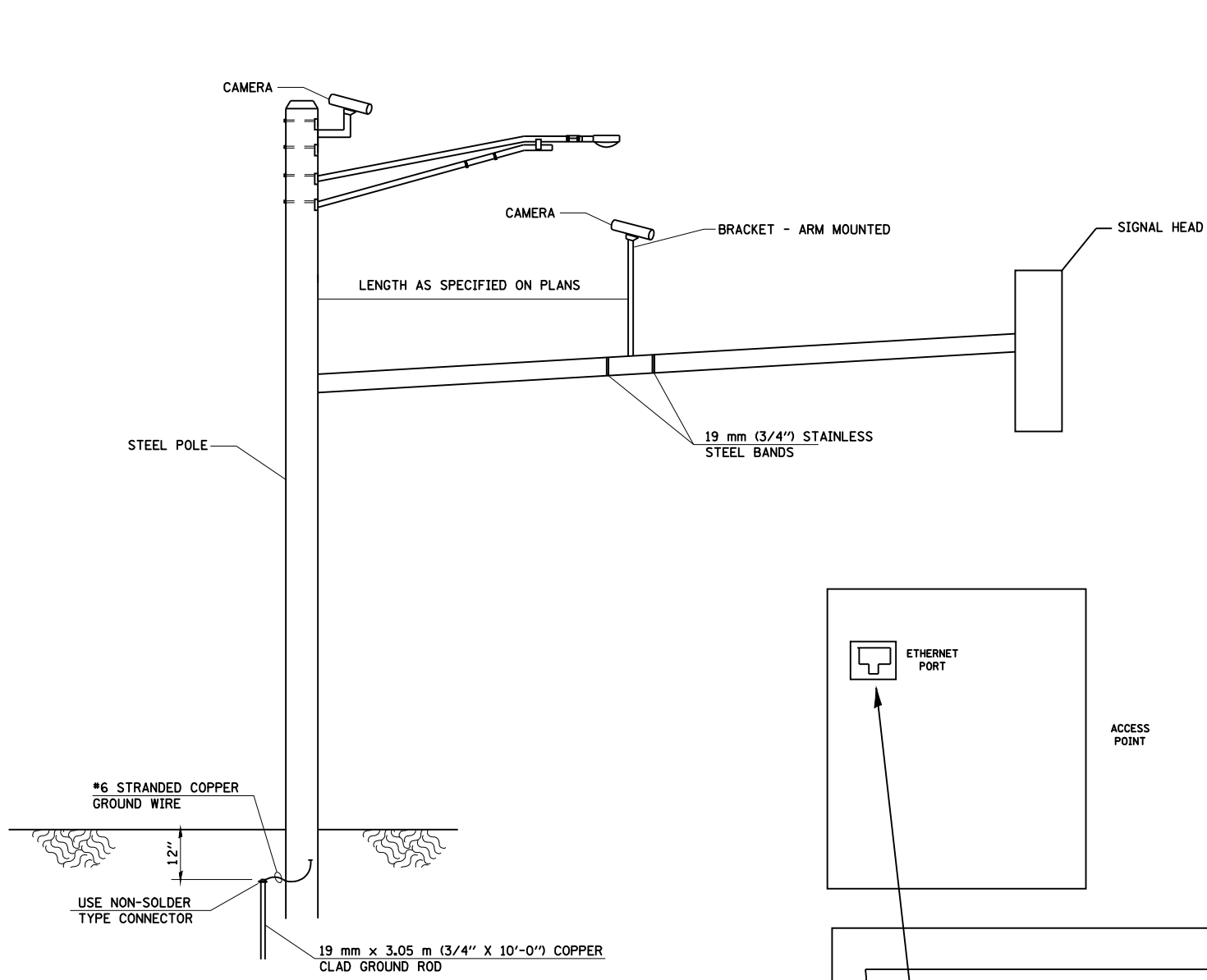
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL LEGEND

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	*	ADAMS	37	25
CONTRACT NO. 72A96				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\* D-6 INTERSECTION IMPROVEMENT



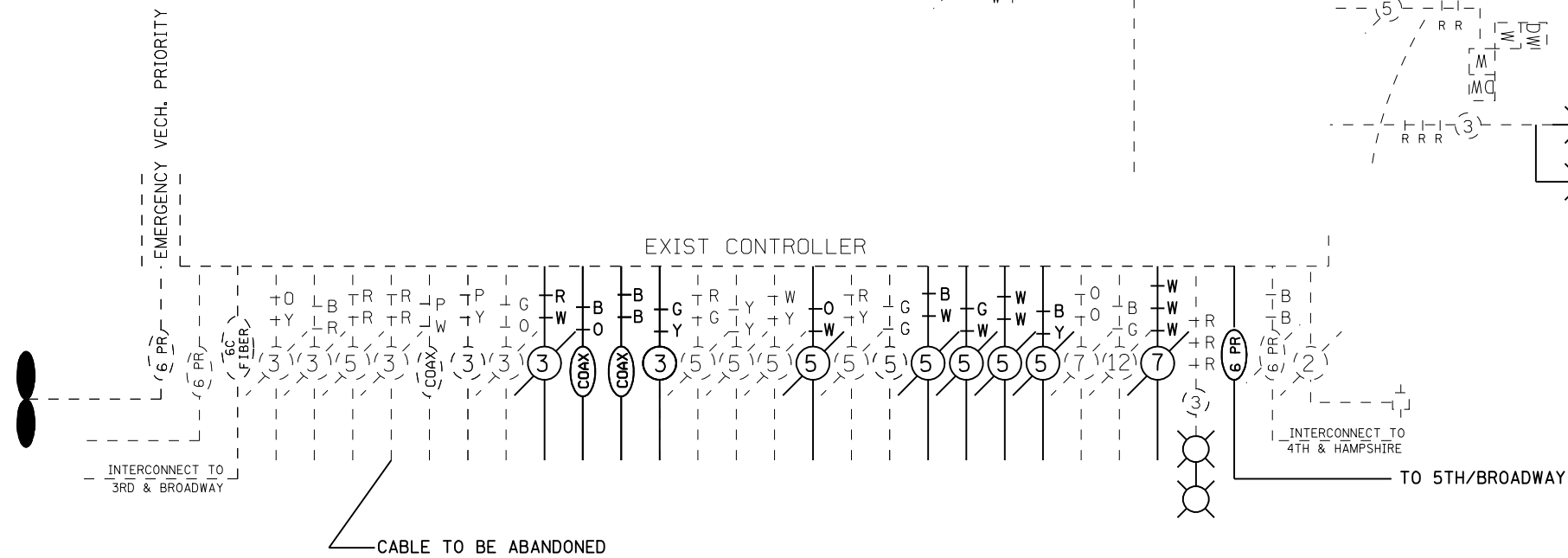
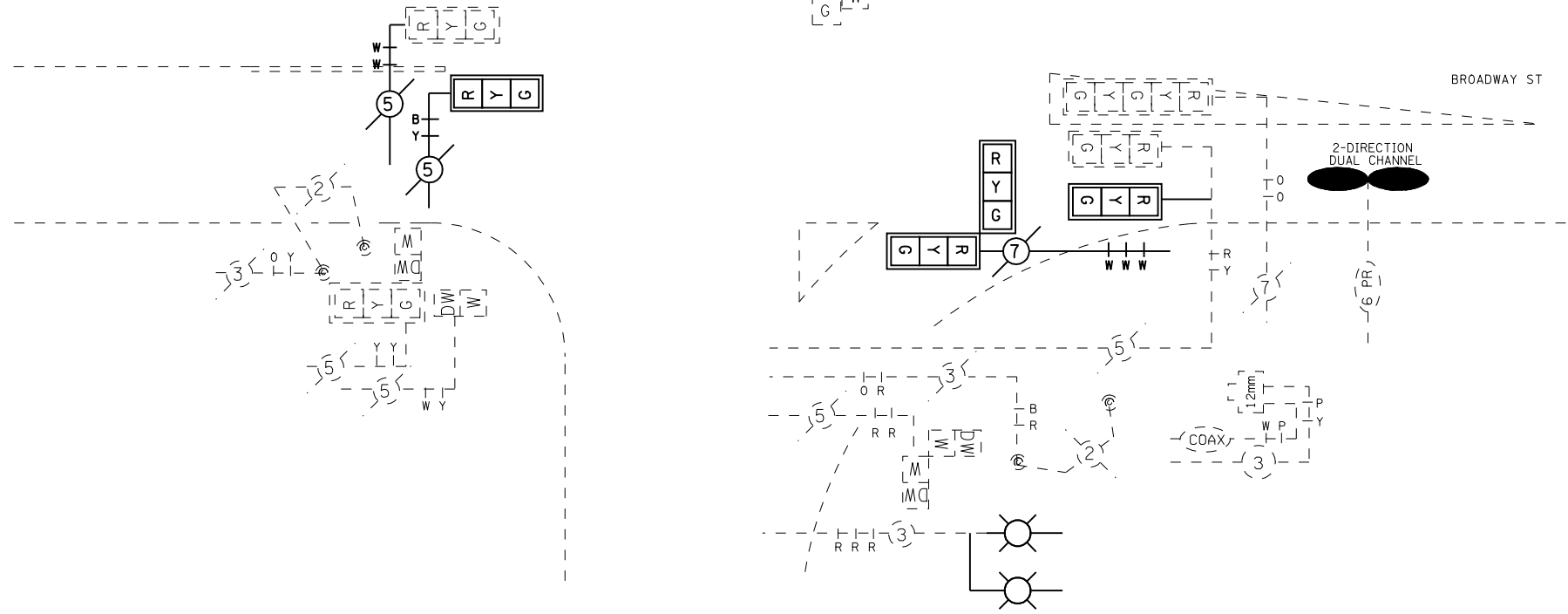
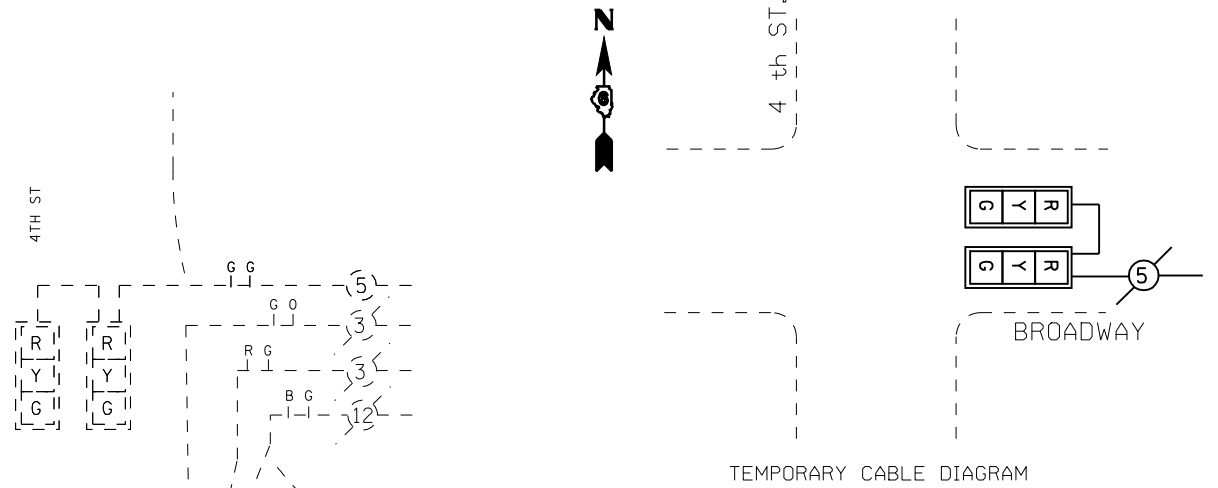
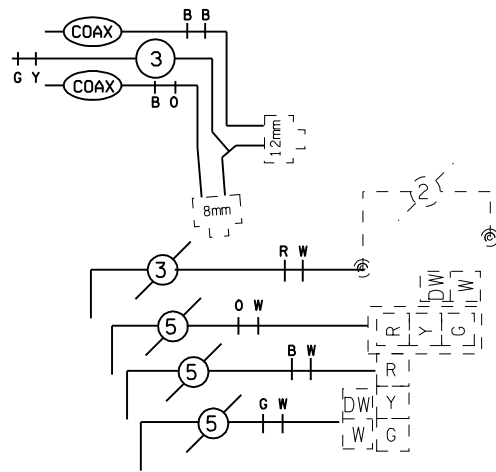
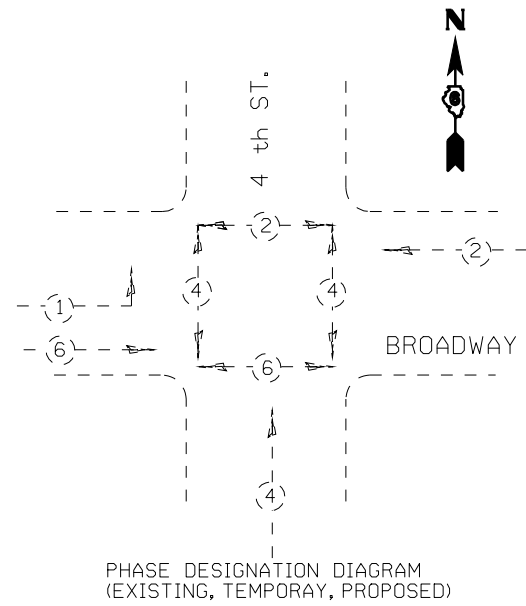
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ARM MOUNTED OR POLE MOUNTED CAMERA**

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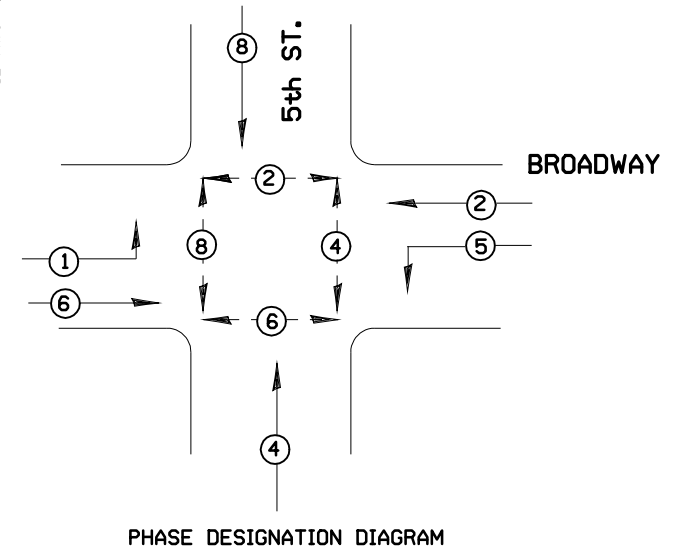
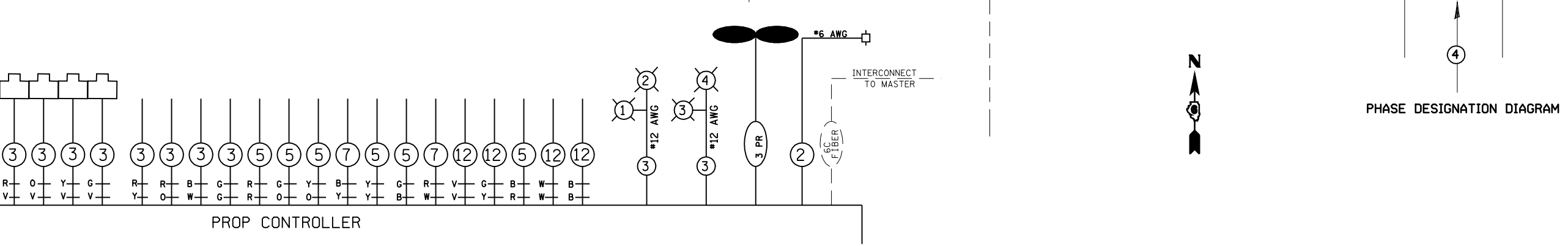
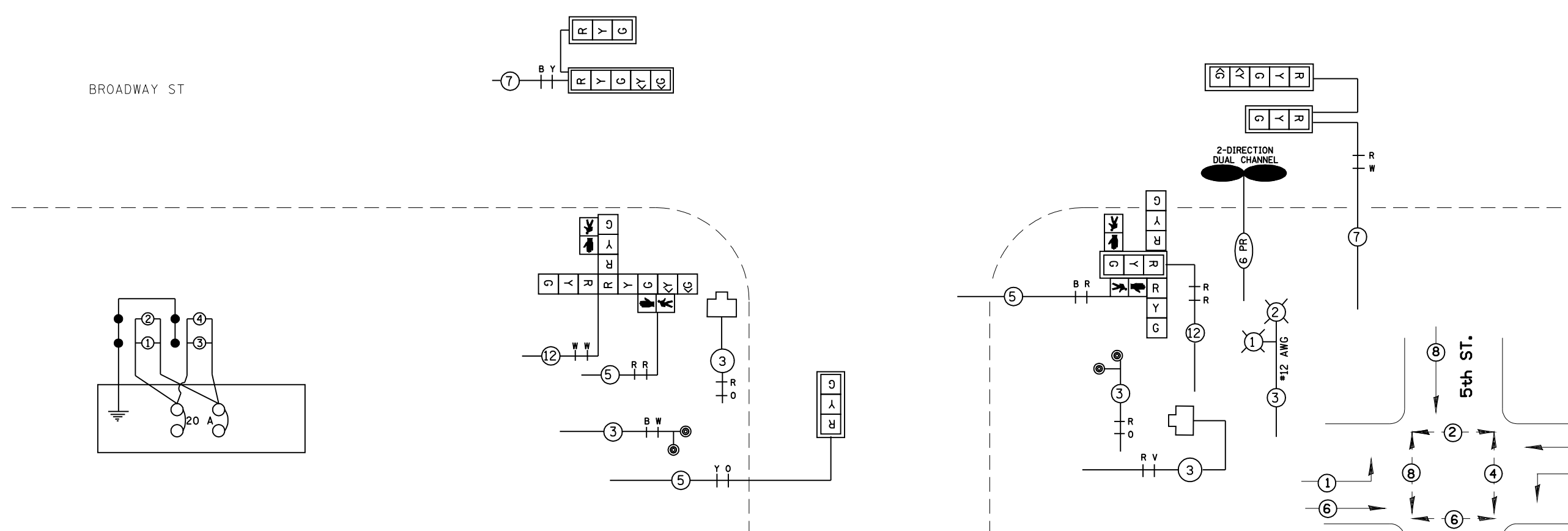
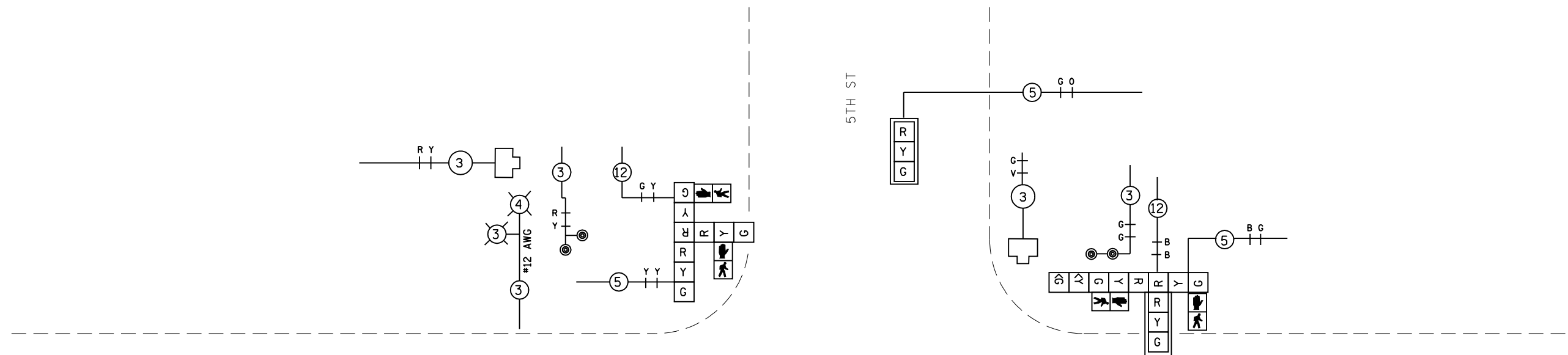
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL DETAILS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	*	ADAMS	37	26
CONTRACT NO. 72A96				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME = e:\pwork\pwork\LAUGHLIN\LAUGHLIN\cma24089\	USER NAME = laughlinr1 S_Sheetscopy.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL DETAILS (4TH &amp; BROADWAY)</b>			F.A. RTE. 745	SECTION *	COUNTY ADAMS	TOTAL SHEETS 37	SHEET NO. 27
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72A96		
	PLOT DATE = Jan-05-2009 09:51:50AM	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
* D-6 INTERSECTION IMPROVEMENT												



FILE NAME = c:\pwwork\pwidot\LAUGHLINRL\dms24089\	USER NAME = laughlinr1 S_Sheetscopy.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL DETAILS (5TH &amp; BROADWAY)</b>				F.A. RTE. 745	SECTION *	COUNTY ADAMS	TOTAL SHEETS 37	SHEET NO. 28
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72A96			
PLOT DATE = Jan-05-2009 09:51:53AM		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
* D-6 INTERSECTION IMPROVEMENT													

TRAFFIC SIGNAL QUANTITIES

LOCATION: FOURTH AND BROADWAY

QUANTITY	UNIT	ITEM
98.0	SQ FT	CONCRETE MEDIAN SURFACE REMOVAL
98.0	SQ FT	CONCRETE MEDIAN SURFACE, 4 INCH
5.0	FOOT	CONDUIT IN TRENCH, 1 1/2" DIA., PVC
3.0	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., PVC
15.0	FOOT	CONDUIT IN TRENCH, 3" DIA., PVC
64.0	FOOT	CONDUIT, AUGERED, 2 1/2" DIA., PVC
63.0	FOOT	CONDUIT, AUGERED, 3" DIA., PVC
1	EACH	HANDHOLE
2	EACH	HANDHOLE TO BE ADJUSTED
23.0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
2	EACH	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
332.5	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F
367.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 3/C
842.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5/C
110.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7/C
1	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 14 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 30 FT.

TEMPORARY SIGNAL NOTES:

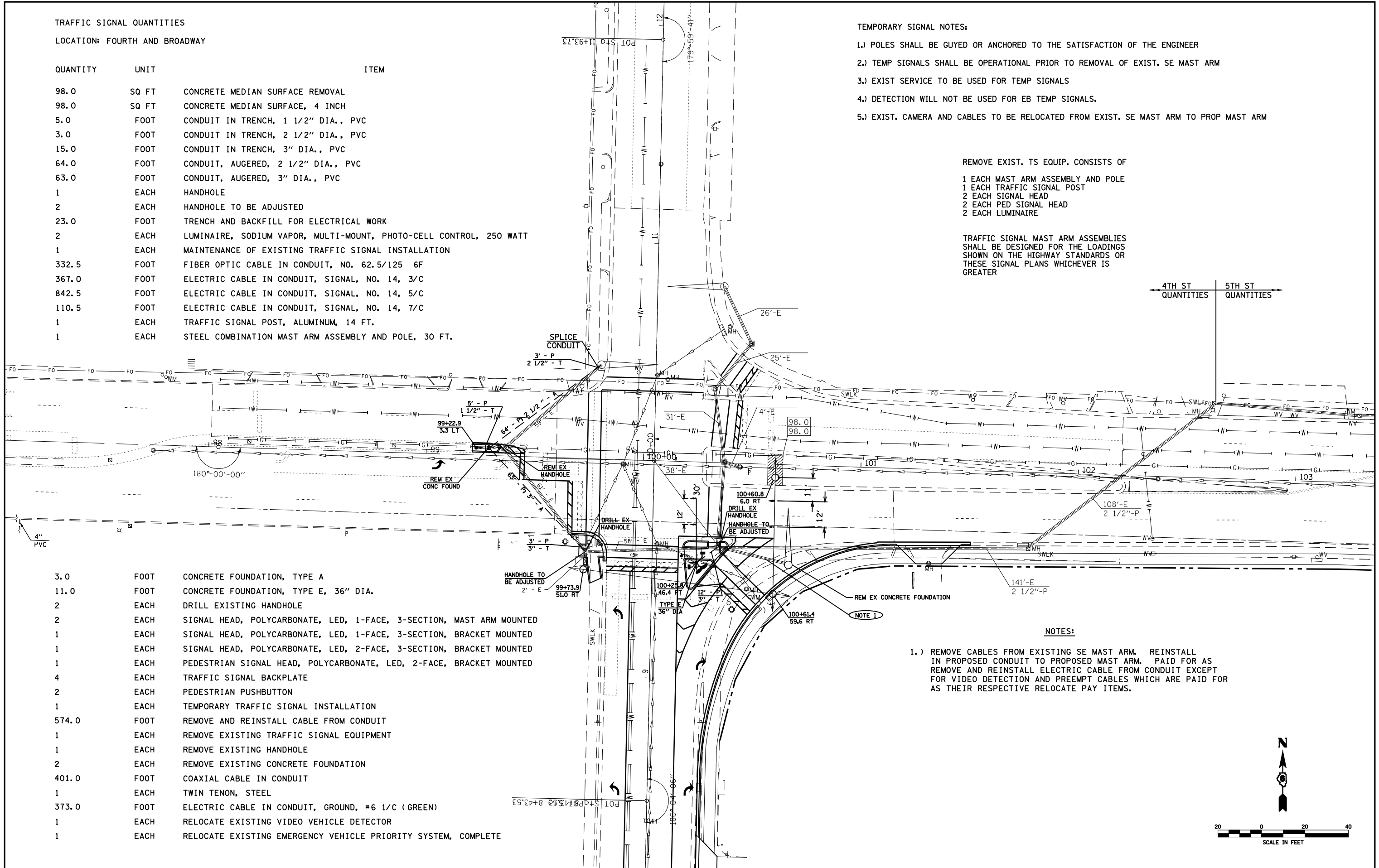
- 1.) POLES SHALL BE GUYED OR ANCHORED TO THE SATISFACTION OF THE ENGINEER
- 2.) TEMP SIGNALS SHALL BE OPERATIONAL PRIOR TO REMOVAL OF EXIST. SE MAST ARM
- 3.) EXIST SERVICE TO BE USED FOR TEMP SIGNALS
- 4.) DETECTION WILL NOT BE USED FOR EB TEMP SIGNALS.
- 5.) EXIST. CAMERA AND CABLES TO BE RELOCATED FROM EXIST. SE MAST ARM TO PROP MAST ARM

REMOVE EXIST. TS EQUIP. CONSISTS OF

- 1 EACH MAST ARM ASSEMBLY AND POLE
- 1 EACH TRAFFIC SIGNAL POST
- 2 EACH SIGNAL HEAD
- 2 EACH PED SIGNAL HEAD
- 2 EACH LUMINAIRE

TRAFFIC SIGNAL MAST ARM ASSEMBLIES SHALL BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS WHICHEVER IS GREATER

4TH ST QUANTITIES      5TH ST QUANTITIES



3.0	FOOT	CONCRETE FOUNDATION, TYPE A
11.0	FOOT	CONCRETE FOUNDATION, TYPE E, 36" DIA.
2	EACH	DRILL EXISTING HANDHOLE
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE
2	EACH	PEDESTRIAN PUSHBUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
574.0	FOOT	REMOVE AND REINSTALL CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE EXISTING HANDHOLE
2	EACH	REMOVE EXISTING CONCRETE FOUNDATION
401.0	FOOT	COAXIAL CABLE IN CONDUIT
1	EACH	TWIN TENON, STEEL
373.0	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, # 9 1/C (GREEN)
1	EACH	RELOCATE EXISTING VIDEO VEHICLE DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE

NOTES:

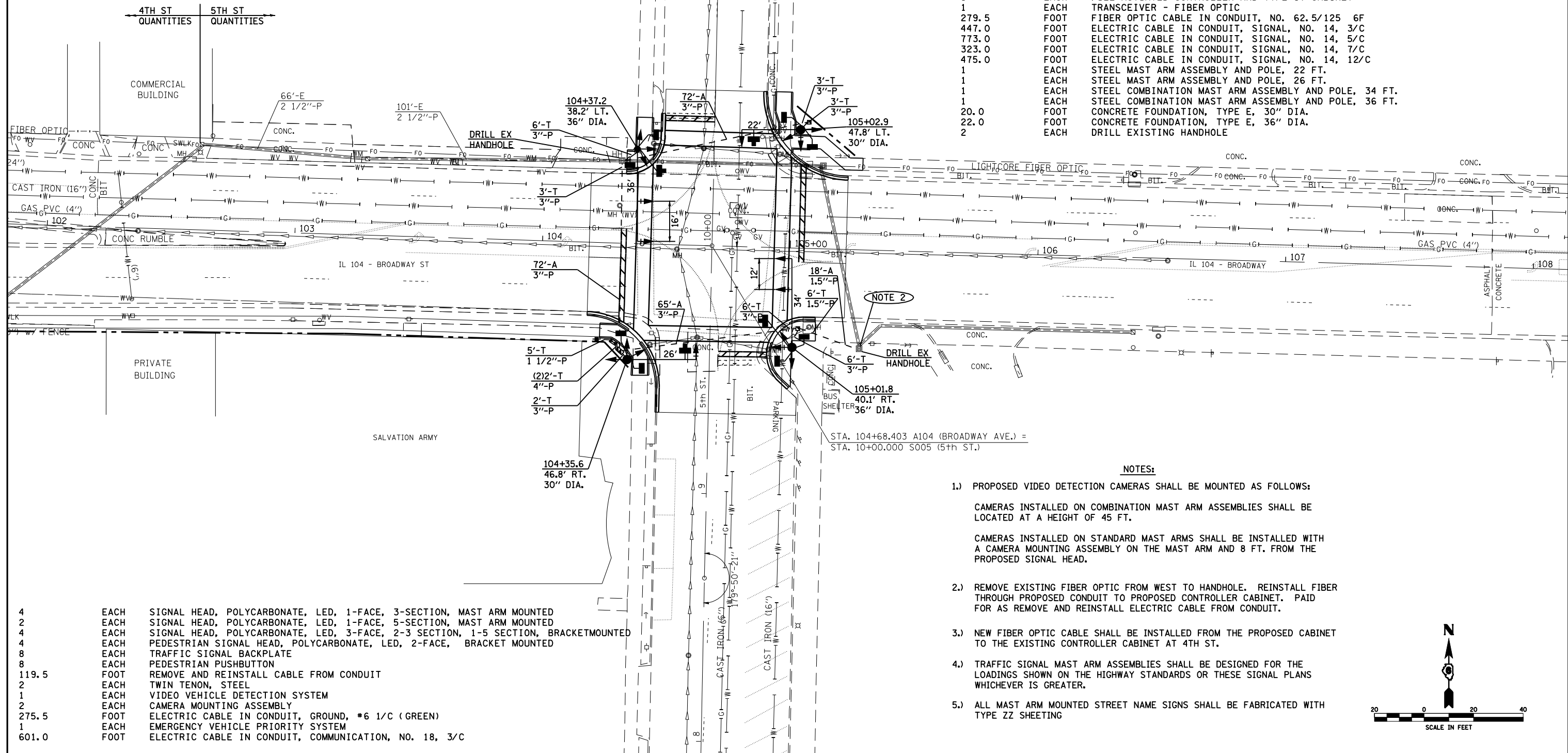
- 1.) REMOVE CABLES FROM EXISTING SE MAST ARM. REINSTALL IN PROPOSED CONDUIT TO PROPOSED MAST ARM. PAID FOR AS REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT EXCEPT FOR VIDEO DETECTION AND PREEMPT CABLES WHICH ARE PAID FOR AS THEIR RESPECTIVE RELOCATE PAY ITEMS.

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL DETAILS (4TH &amp; BROADWAY)</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\PWIDOT\LAUGHLINRL\dms24089\	S_Sheetscopy.dgn	DRAWN -	REVISED -		745	.	ADAMS	37	29				
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 72A96				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
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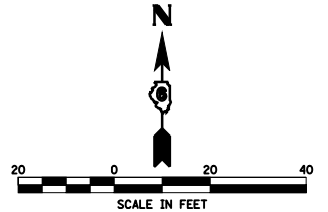
TRAFFIC SIGNAL QUANTITIES

LOCATION: FIFTH AND BROADWAY

QUANTITY	UNIT	ITEM
32.0	SO FT	SIGN PANEL, TYPE I
1	EACH	SERVICE INSTALLATION, TYPE B MODIFIED
11.0	FOOT	CONDUIT IN TRENCH, 1 1/2" DIA., PVC
29.0	FOOT	CONDUIT IN TRENCH, 3" DIA., PVC
4.0	FOOT	CONDUIT IN TRENCH, 4" DIA., PVC
18.0	FOOT	CONDUIT, AUGERED, 1 1/2" DIA., PVC
209.0	FOOT	CONDUIT, AUGERED, 3" DIA., PVC
2	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
44.0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
303.0	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3/C #12
4	EACH	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
1	EACH	TRANSCEIVER - FIBER OPTIC
279.5	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F
447.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 3/C
773.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5/C
323.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7/C
475.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 12/C
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.
20.0	FOOT	CONCRETE FOUNDATION, TYPE E, 30" DIA.
22.0	FOOT	CONCRETE FOUNDATION, TYPE E, 36" DIA.
2	EACH	DRILL EXISTING HANDHOLE



- NOTES:**
- 1.) PROPOSED VIDEO DETECTION CAMERAS SHALL BE MOUNTED AS FOLLOWS:  
CAMERAS INSTALLED ON COMBINATION MAST ARM ASSEMBLIES SHALL BE LOCATED AT A HEIGHT OF 45 FT.  
  
CAMERAS INSTALLED ON STANDARD MAST ARMS SHALL BE INSTALLED WITH A CAMERA MOUNTING ASSEMBLY ON THE MAST ARM AND 8 FT. FROM THE PROPOSED SIGNAL HEAD.
  - 2.) REMOVE EXISTING FIBER OPTIC FROM WEST TO HANDHOLE. REINSTALL FIBER THROUGH PROPOSED CONDUIT TO PROPOSED CONTROLLER CABINET. PAID FOR AS REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT.
  - 3.) NEW FIBER OPTIC CABLE SHALL BE INSTALLED FROM THE PROPOSED CABINET TO THE EXISTING CONTROLLER CABINET AT 4TH ST.
  - 4.) TRAFFIC SIGNAL MAST ARM ASSEMBLIES SHALL BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS WHICHEVER IS GREATER.
  - 5.) ALL MAST ARM MOUNTED STREET NAME SIGNS SHALL BE FABRICATED WITH TYPE ZZ SHEETING



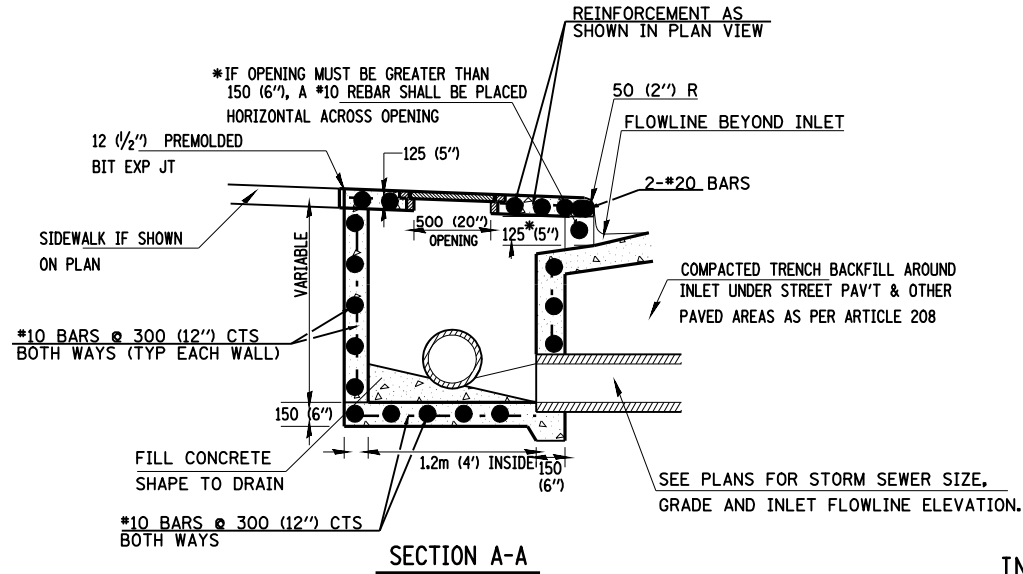
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE
8	EACH	PEDESTRIAN PUSHBUTTON
119.5	FOOT	REMOVE AND REINSTALL CABLE FROM CONDUIT
2	EACH	TWIN TENON, STEEL
1	EACH	VIDEO VEHICLE DETECTION SYSTEM
2	EACH	CAMERA MOUNTING ASSEMBLY
275.5	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, #6 1/C (GREEN)
1	EACH	EMERGENCY VEHICLE PRIORITY SYSTEM
601.0	FOOT	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 18, 3/C

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL DETAILS (5TH &amp; BROADWAY)</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pwwork\pwwd00\LAUGHLINRL\dms24089\	S_Sheetscopy.dgn	DRAWN -	REVISED -			745	.	ADAMS	37	30	
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	PLOT DATE = Jan-05-2009 09:52:00AM	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
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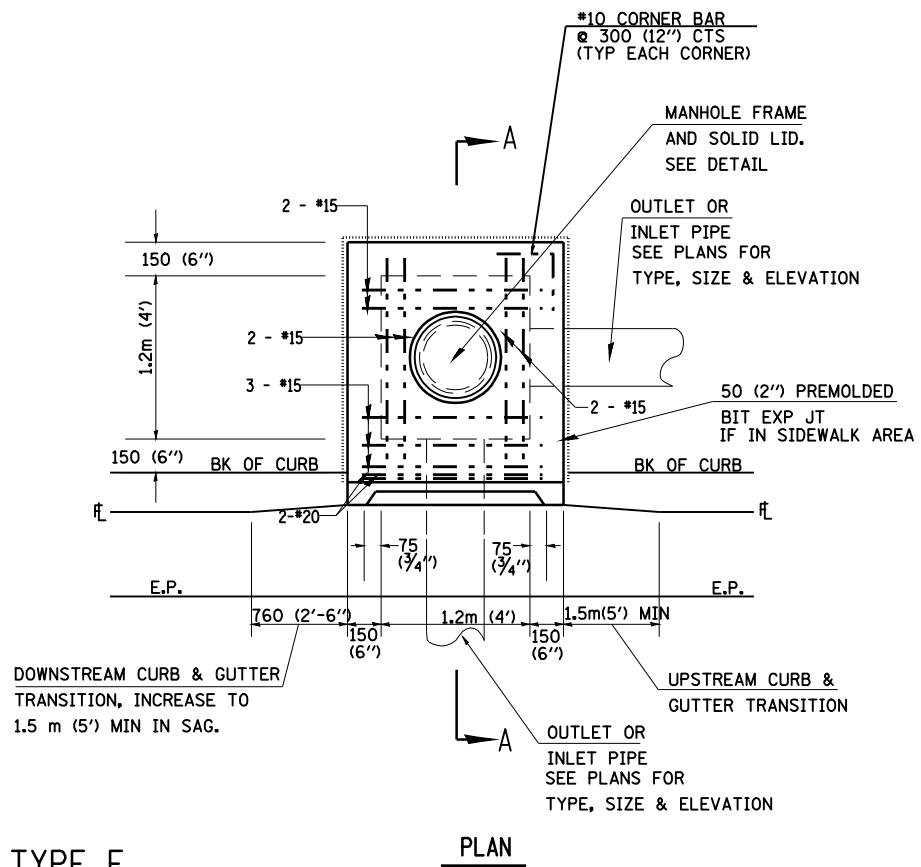


**NOTES:**

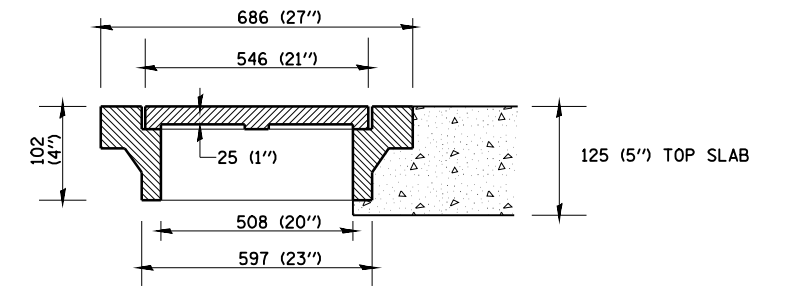
1. THE CONTRACT UNIT PRICE OF EACH FOR INLET, TYPE E SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO CONSTRUCT THE INLET IN ACCORDANCE WITH ARTICLE 602 OF THE STANDARD SPECIFICATIONS AND AS SHOWN HEREIN.
2. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
3. THE FRONT EDGE OF THE TOP SLAB SHALL BE EITHER STRAIGHT OR RADIUSSED AS NEEDED TO CONFORM WITH THE SHAPE OF THE ADJACENT CURB AND GUTTER.



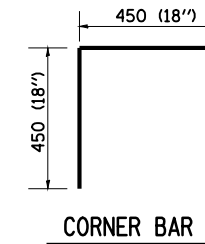
**SECTION A-A**



**PLAN**

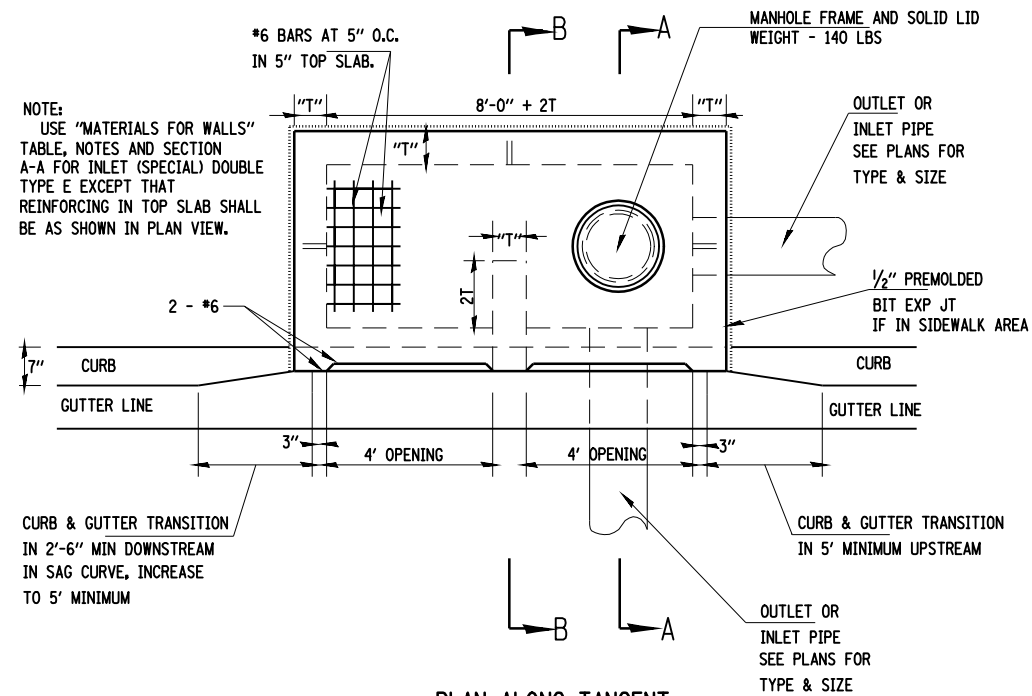


**TYPICAL DETAIL OF  
MANHOLE FRAME AND SOLID LID  
NEENAH R-6020 OR APPROVED EQUAL**

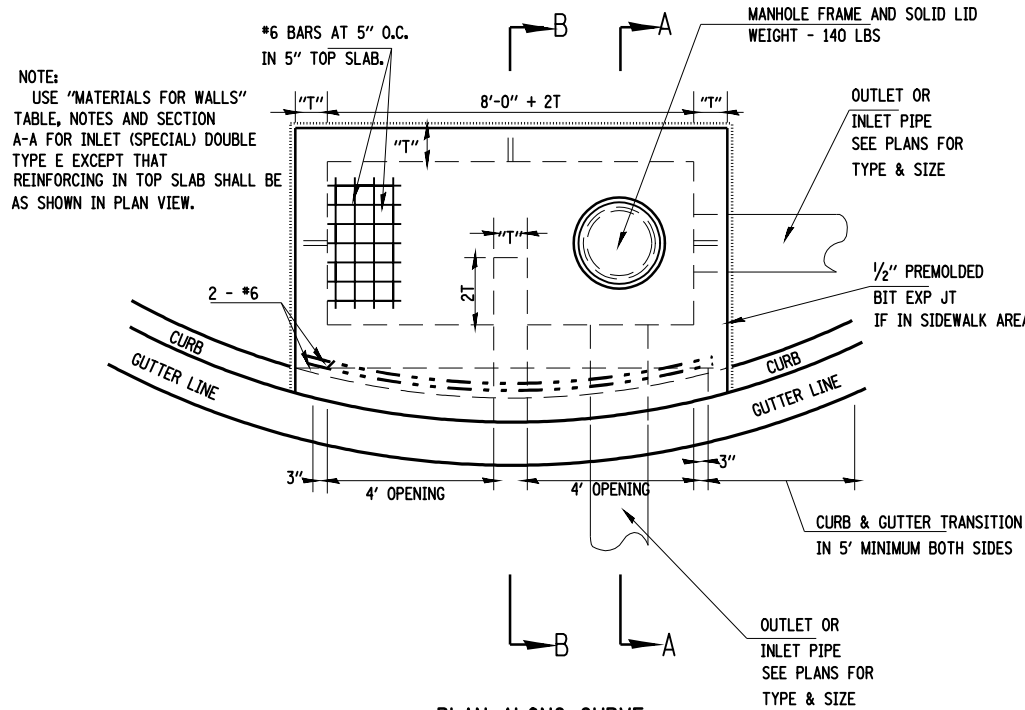


**CORNER BAR**

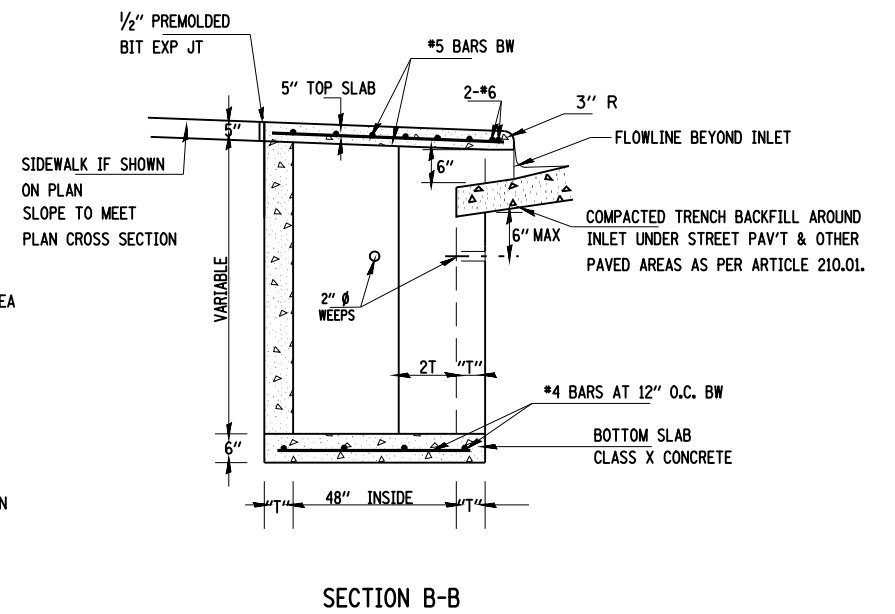
**INLET TYPE E**



**PLAN ALONG TANGENT**



**PLAN ALONG CURVE**



**SECTION B-B**

FOR 1, 2 & 3, SEE ABOVE

4. BRICKS, CONCRETE BLOCKS AND REINFORCED CONCRETE BLOCKS TO BE LAID IN FULL MORTAR BEDS WITH FLUSH JOINTS.
5. WHEN CONSTRUCTED OF MONOLITHIC CONCRETE, USE #4 REINFORCING BARS SPACED AT 12" CENTERS BOTH WAYS IN FLOOR SLAB AND WALLS.
6. FOR SECTION A-A, SEE ABOVE

**INLET DOUBLE TYPE E**

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED - CAD 10/20/97
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAILS  
INLET TYPE E**

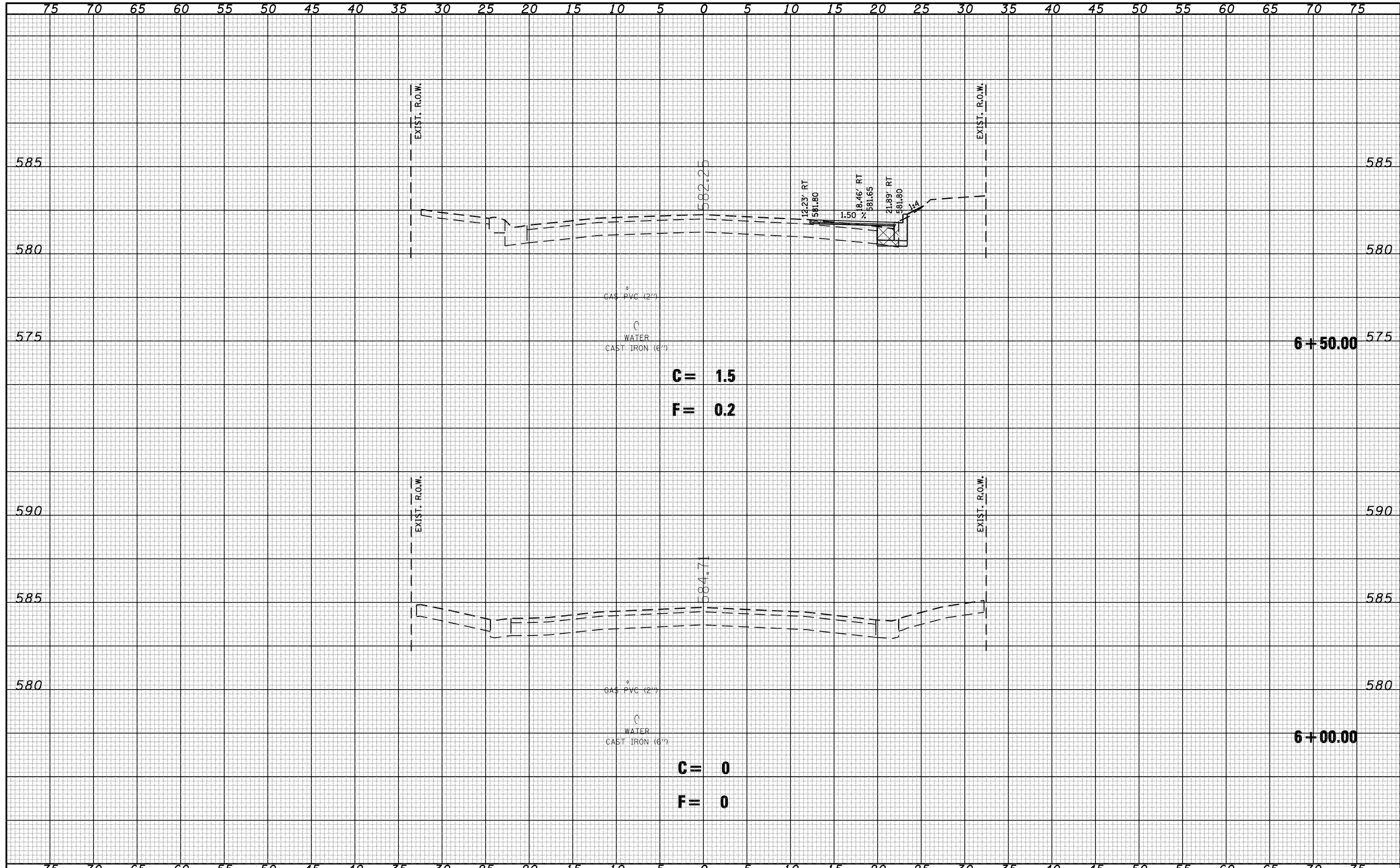
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CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• D-6 INTERSECTION IMPROVEMENT				



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FINAL SURVEY NO.	
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NOTE BOOK	
AREAS CHECKED	

DATE	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

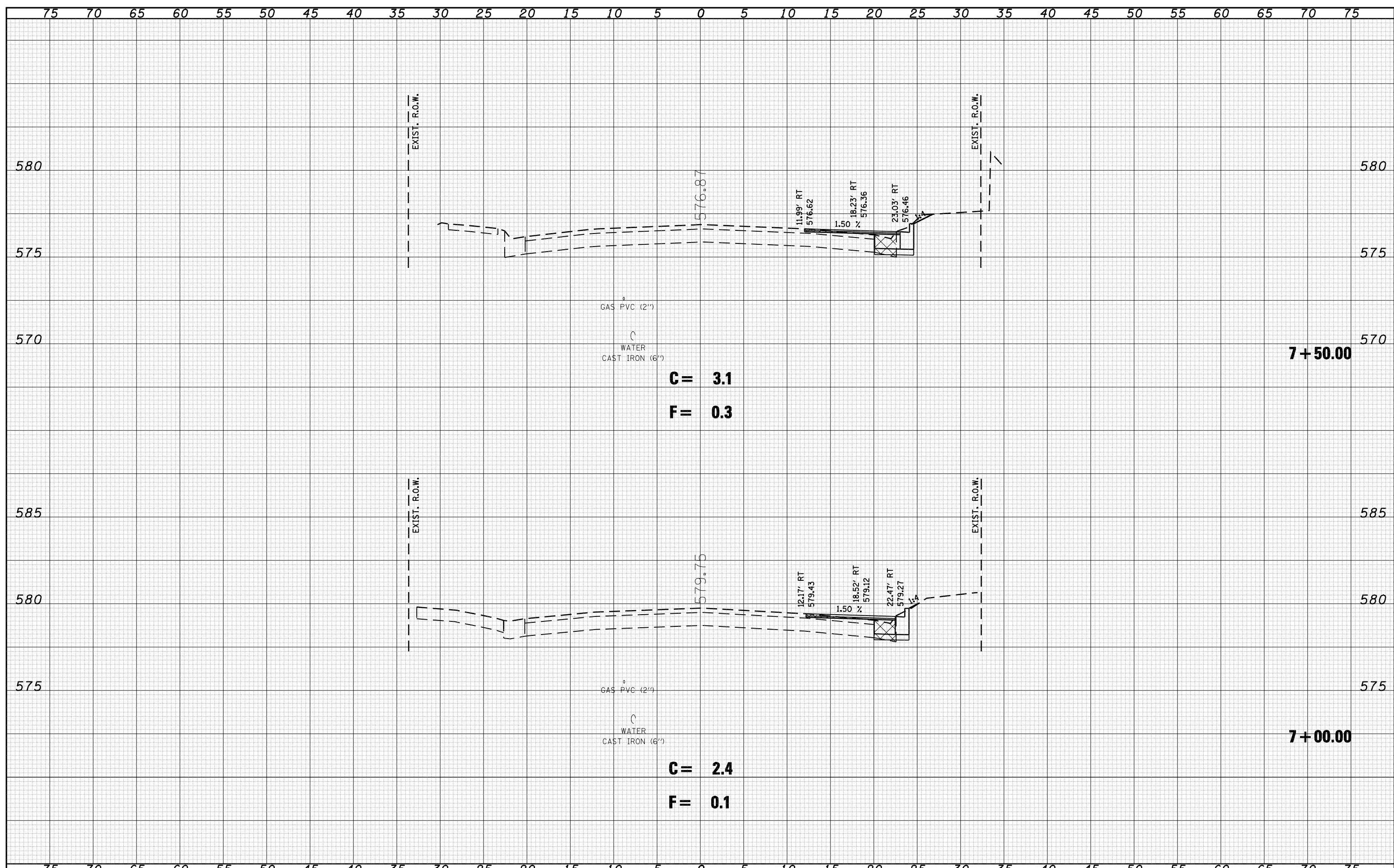
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745	*	ADAMS	37	33
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 72A96				

\* D-6 INTERSECTION IMPROVEMENT

DATE	
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DATE	-	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

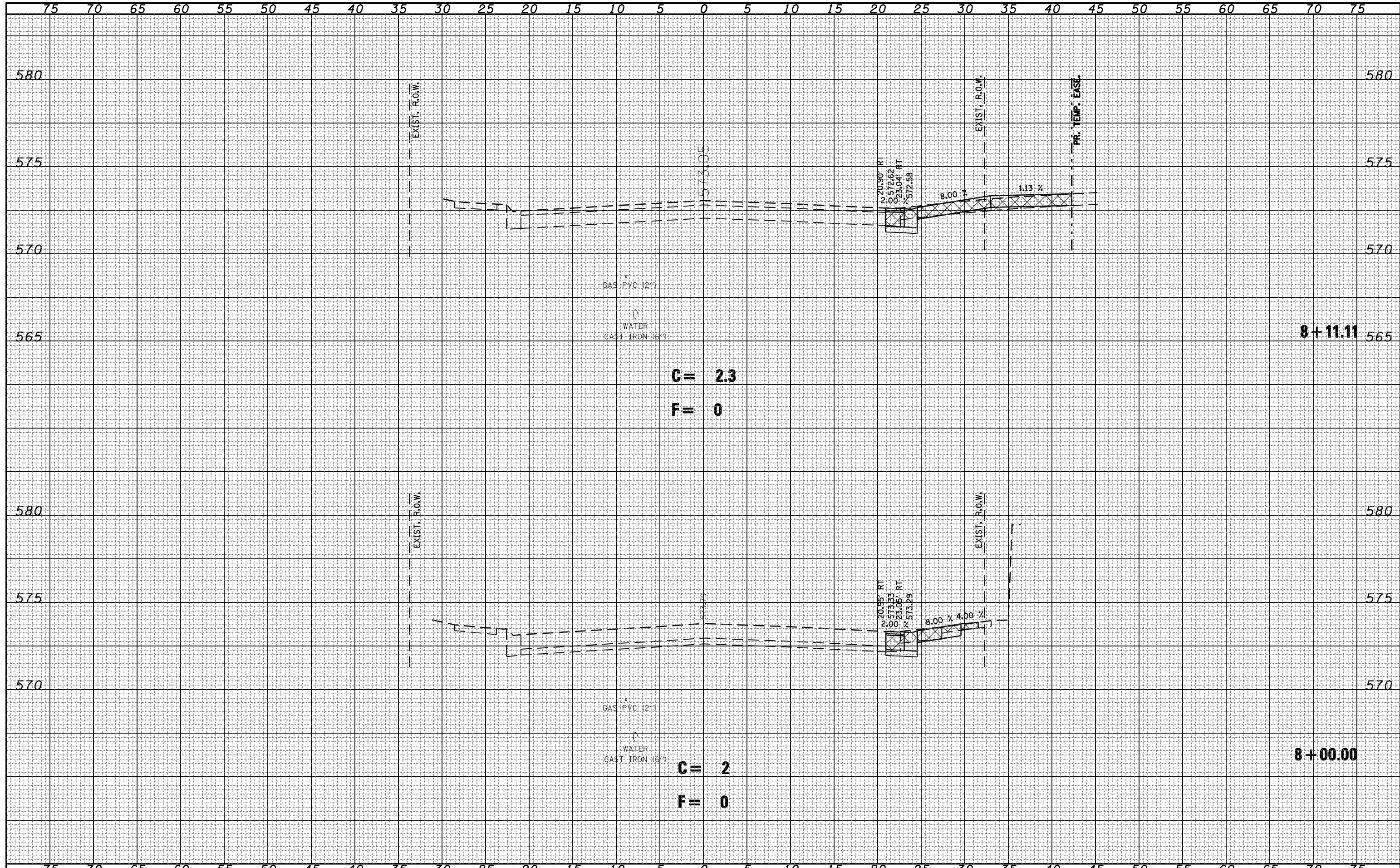
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 4TH ST.**

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	37	ADAMS	37	34
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	
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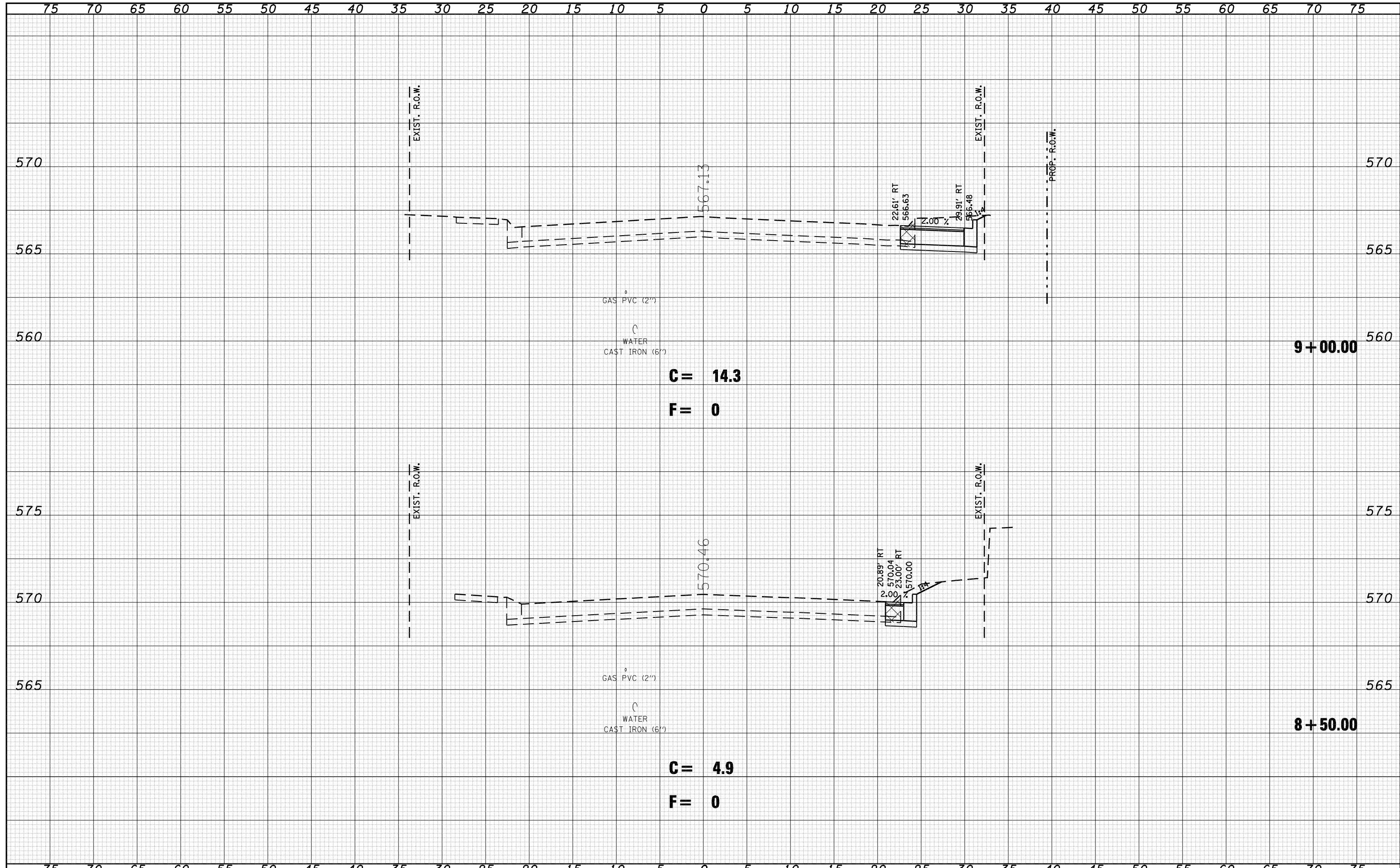
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS 4TH ST.			
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

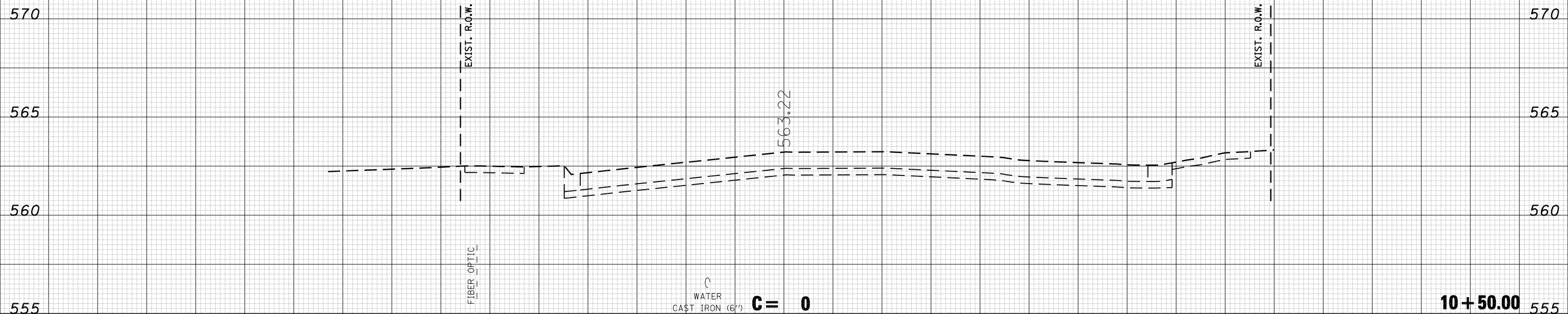
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	*	ADAMS	37	36
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 72A96	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 4TH ST.**  
 SCALE: SHEET NO. OF SHEETS STA. 10+50.00 TO STA. 10+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
745	.	ADAMS	37	37
CONTRACT NO.			72A96	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		