

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	01
ILLINOIS		MORGAN ST.		

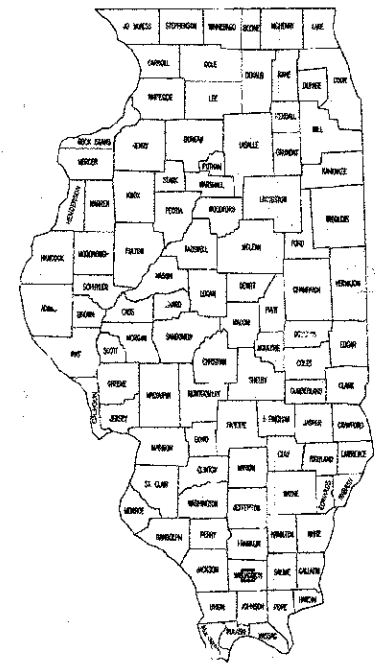
CONTRACT NO. 99394

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PLANS FOR PROPOSED
CITY STREET IMPROVEMENTS

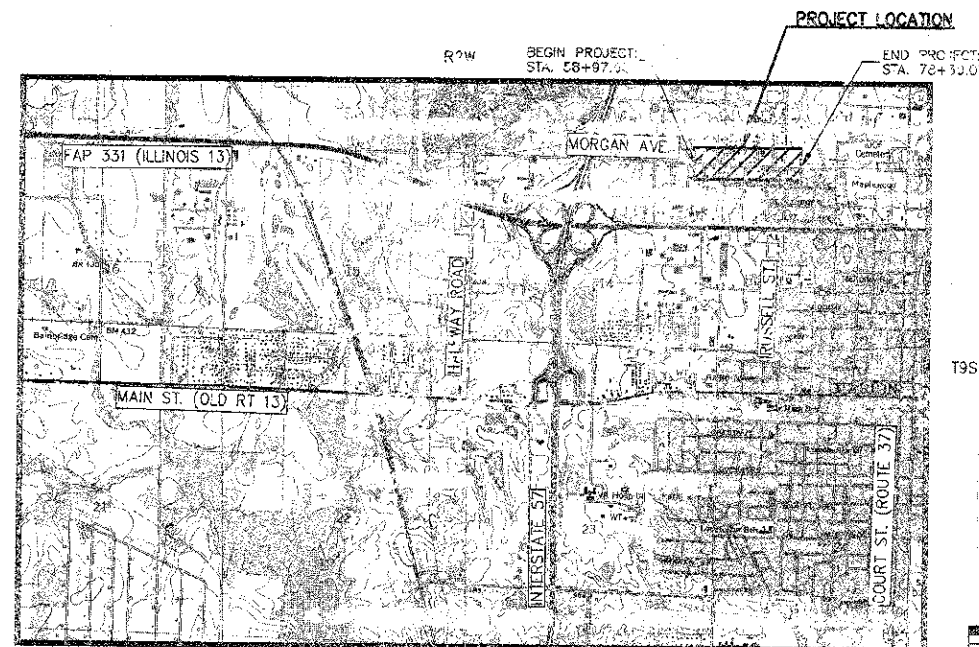
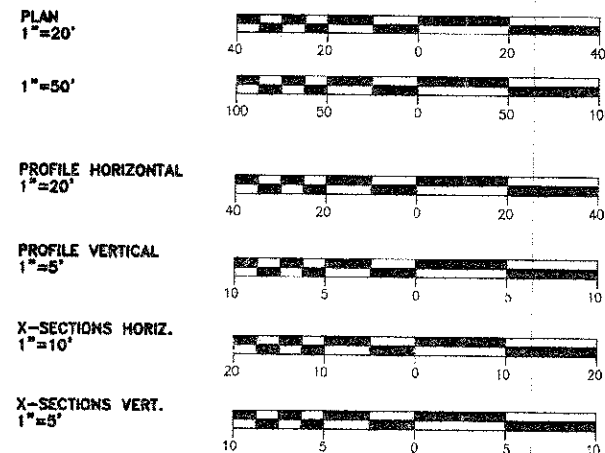
FAU ROUTE 9718
SECTION 08-00105-00-FP
PROJECT NO. M-5041 (018)
JOB NO. C-99-530-09
MORGAN AVE.
MARION, ILLINOIS



STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
424001-07	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
542301-03	PRC FLARED END SECTIONS
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
606001-05	CONCRETE CURB TYPE B AND COC&G
636001-02	CABLE ROAD GUARD, SINGLE STRAND
701006-04	OFF-RD OPS, 2L, 2W, 15' TO 24' FROM PVMT EDGE
701011-03	OFF-RD MOVING OPS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2S, SHORT TIME
701306-03	LANE CLOSURE, 2L, 2W, MOVING OPS, DAY ONLY, SPEEDS > 45
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPS, DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PVMT WIDENING, SPEEDS > 45
701501-06	URBAN LANE CLOSURE, 2L, 2W
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-03	TYPICAL PAVEMENT MARKINGS
BLR10-6	PCC PAVEMENT SPECIAL

SCALES IN FEET



NET LENGTH OF PROJECT = 1947.40 L.F. = 3.769 MI.

CONTRACTOR SHALL CONTACT UTILITY OPERATOR AT 1-800-662-1020 FOR MARKING OF EXISTING UNDERGROUND UTILITIES. J.U.L.I.F. SHOULD BE CONTACTED A MINIMUM OF 96 HOURS IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL MEET ALL REQUIREMENTS FOR PROTECTION OF ANY EXISTING UTILITIES.

ROUTE - FAU 9718
FUNCTIONAL CLASS URBAN COLLECTOR
DESIGN SPEED = 30MPH
ADT 2010 4,350
ADT 2030 9,000

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	2/5/13, 20 13
<i>R. Paul S. Burt</i> MAYOR, CITY OF MARION	
PASSED	3/14, 20 13
<i>Don W. Hill</i> DISTRICT 9 ENGINEER OF LOCAL ROADS & STREET	
RELEASING FOR BID BASED ON LIMITED REVIEW	3/14, 20 13
<i>William L. Keim</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER	

PREPARED BY: CLARIDA & ZIEGLER ENGINEERING MARION, ILLINOIS	
DATE: 2/5/13	
EXPIRES: NOVEMBER 30, 2013	

CONTRACT NUMBER 99394

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	02
ILLINOIS		MORGAN AVE.		

CONTRACT NO. 99364



BEGIN PAVEMENT IMPROVEMENTS RUSSELL ST. STATION 1+25.00

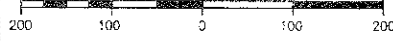
MORGAN AVE. STATION 77+71.83 = N. RUSSELL ST. STATION 4+50

END PROJECT MORGAN AVE. STATION 78+30.05

END PAVEMENT IMPROVEMENTS RUSSELL ST. STATION 6+00

FUTURE CONSTRUCTION

SCALE : 1" = 100'



STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

REVISIONS	
DATE	NO.

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CLARIDA & ZIEGLER ENGINEERING CO.
 308 South Court St, P.O. Box 937
 Marion, Illinois 62959
 Phone - (618)993-6411, Fax - (618)993-6750

GENERAL LAYOUT
 MORGAN AVE. IMPROVEMENTS
 MARION, ILLINOIS

Date 2/27/13 DR. By TW CK'D By HGC

Scale 1"=100' Job No. 08155 Sheet No. 02 of 45

ROUTE 13 (DEYOUNG ST.)

CONTRACT NO. 99394

SPEC PROV	ITEM NO.	ITEMS	UNIT	TOTAL	SHT 9	SHT 10	SHT 11	SHT 12	SHT 13	SHT 14	SHT 15
	20100110	TREE REMOVAL (8 TO 15 UNITS DIAMETER)	UNIT	248	12	51	101	36		24	24
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	534	54	96	138	54		114	78
	20100500	TREE REMOVAL ACRES	ACRE	0.01	0.01						
	20200100	EARTH EXCAVATION	CU YD	6500	500	2250	1900	900	450	350	150
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100							
	20400100	BORROW EXCAVATION	CU YD	100							
*	20800150	TRENCH BACKFILL	CU YD	1983	441	392	410	198	133	299	100
*	21400100	GRADING AND SHAPING DITCHES	FOOT	335	100	20	115	40	60		
	25000200	SEEDING, CLASS 2	ACRE	1.80	0.28	0.42	0.37	0.20	0.10	0.50	0.13
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	163	25	38	34	18	9	27	12
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	163	25	38	34	18	9	27	12
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	163	25	38	34	18	9	27	12
	25000700	AGRICULTURAL GROUND LIMESTONE	TON	3.50	0.56	0.84	0.74	0.40	0.20	0.60	0.26
	25100115	MULCH, METHOD 2	ACRE	1.80	0.28	0.42	0.37	0.20	0.10	0.50	0.13
	28000305	TEMPORARY DITCH CHECKS	FOOT	158	14	12	22			66	44
	28000400	PERIMETER EROSION BARRIER	FOOT	119	62			39		18	
	28000500	INLET AND PIPE PROTECTION	EACH	46	12	7	15	10	2		
	28100795	STONE DUMPED RIPRAP CLASS A3	SQ YD	117	70	47					
	28200200	FILTER FABRIC	SQ YD	117	70	47					
	31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	2929	565	767	839	472	155	99	32
	40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	652	374	60	55	18	71	62	12
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	243	30	35	50	31	25	72	
	40603315	HOT-MIX ASPHALT SURFACE COURSE, M-X "C", N70	TON	99	10	15	15	13	15	31	
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	502	59	137	119	124	35		28
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	5319	1044	2036	1801	438			
*	42400800	DETECTABLE WARNINGS	SQ FT	48	8	16	16	8			
*	44000100	PAVEMENT REMOVAL	SQ YD	6507	753	1940	1928	1140	510	213	23
*	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	466	133	52	93	84	76	28	
	44000300	COMBINATION CURB AND GUTTER REMOVAL	FOOT	88	38			50			
	44000500	SIDEWALK REMOVAL	SQ FT	274	30	85	46	113			
	44201345	CLASS C PATCHES, TYPE III, 9 INCH	SQ YD	62						39	23
	44201347	CLASS C PATCHES, TYPE IV, 9 INCH	SQ YD	25						25	
	44213200	SAW CUTS	FOOT	403	28	61	54	20	22	179	39
	44213204	TIE BARS 3/4"	EACH	148	148						
*	50100300	REMOVAL OF EXISTING STRUCTURE NO. 1	EACH	1		1					
*	50100400	REMOVAL OF EXISTING STRUCTURE NO. 2	EACH	1							
	50104400	CONCRETE HEADWALL REMOVAL	EACH	15		9		4		2	
*	50105200	PIPE CULVERT REMOVAL	FOOT	1286	111	175	198	208	220	273	101
	542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	174				26		148	
	542A0247	PIPE CULVERTS, CLASS A, TYPE 1 42"	FOOT	14	8	6					
	542C0220	PIPE CULVERTS, CLASS C, TYPE 1 15"	FOOT	118						118	
	542C0228	PIPE CULVERTS, CLASS C, TYPE 1 24"	FOOT	272						122	150
	54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2	1	1					
	54215550	METAL END SECTIONS 15"	EACH	2		1				1	
	54248510	CONCRETE COLLAR	CU YD	0.39	0.39						
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	108			108				
	550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	380			380				
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	366			94	100	172		
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	134	134						
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	136		93	43				
	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	154	154						
	550A5500	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 42"	FOOT	52		52					
*	55101200	STORM SEWER REMOVAL 24"	FOOT	152	152						
	55106080	STORM SEWER INSTALLATION 24"	FOOT	144	86			58			
*	56100800	WATER MAIN 6"	FOOT	362	34	35	60	90		123	20
*	56100900	WATER MAIN 12"	FOOT	2810	371	620	550	334	260	570	105
*	56105800	ADJUSTING WATER MAIN 1"	FOOT	60							60

* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

GENERAL NOTES

ALL EARTHWORK REQUIRED FOR CONSTRUCTING BASE COURSE, AND COMBINATION CURB AND GUTTER IS INCLUDED IN THE QUANTITY OF EARTHWORK SHOWN ON THE PLANS. EXCAVATION OF 6" BEYOND THE BACK OF CURB IS INCLUDED IN THE EARTHWORK QUANTITY FOR OVER-DIG. 12" HAS BEEN ALLOWED IN THE EARTH EXCAVATION FOR THE THICKNESS OF THE PAVEMENT REMOVAL.

TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

FORMS FOR CONCRETE GUTTER AND COMBINATION CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER, OR WATER MAINS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, BITUMINOUS CONCRETE SURFACE COURSE SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 300 METERS (1,000 FEET), THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION. THE BITUMINOUS CONCRETE SURFACE SHALL NOT BE PLACED UNTIL ALL OF THE BITUMINOUS CONCRETE BINDER COURSE HAS BEEN PLACED.

ONLY CONCRETE AND FULL DEPTH BITUMINOUS DRIVEWAYS SHALL BE PAID FOR AS DRIVEWAY PAVEMENT REMOVAL. ALL EXCAVATION OF AGGREGATE, MULTIPLE A-1 SURFACES, BITUMINOUS WEDGES AND OTHER MISCELLANEOUS MATERIAL IS INCLUDED IN THE QUANTITY OF EARTHWORK SHOWN IN THE PLANS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD OF EARTH EXCAVATION.

WHERE EXISTING STORM SEWER IS REMOVED, TRENCH BACKFILL SHALL BE PLACED IN AREAS SPECIFIED IN SECTION 208 OF THE STANDARD SPECIFICATIONS.

ALL STORM SEWERS FOR ACROSS ROAD CONSTRUCTION AND WHERE SHOWN ON THE PLANS SHALL BE REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE CONFORMING TO THE REQUIREMENTS OF SECTION 550 OF THE STANDARD SPECIFICATIONS, OR, WHERE SHOWN ON THE PLANS, PVC PIPE MEETING THE REQUIREMENTS OF AWWA C-900.

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 MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS. AT THE LOCATION OF ANY MONUMENTS AND AFTER THE PAVING PORTION OF THE WORK HAS BEEN COMPLETED, THE CONTRACTOR SHALL CORE DRILL THE PAVEMENT 4" IN DIAMETER TO A DEPTH OF 24" TO ALLOW FOR THE PLACEMENT OF A SURVEY MONUMENT.

FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:
 ALL BITUMINOUS CONCRETE 112 LB/SQ YD/INCH
 ALL AGGREGATE 2.00 TON/CU YD
 BITUMINOUS MATERIAL, PRIME COAT ON PAVEMENT 0.09 GALLON/SQ YD
 ON AGGREGATE SURFACE 0.32 GALLON/SQ YD
 RIPRAP 1.5 TON/CU YD
 TRENCH BACKFILL 1.9 TON/CU YD

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AS INCLUDED WITH THE CONTRACT DOCUMENTS, EXCEPT AS MODIFIED IN THE PLANS AND AS DIRECTED BY THE ENGINEER.

THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES WITHIN THE LIMITS OF CONSTRUCTION. ADJUSTMENTS IN UTILITY LOCATIONS SHALL BE MADE BY THE OWNER, UNLESS OTHERWISE NOTED ON THE PLANS.

ELECTRIC & GAS
 AMEREN/CIPS
 1600 W. MAIN ST.
 MARION, ILLINOIS 62959
 618-993-3311

SOUTHEASTERN ILLINOIS ELECTRIC CO-OP
 618-273-2611

TELEPHONE
 FRONTIER
 208 WEST UNION STREET
 MARION, ILLINOIS 62959
 309-663-3422

CABLE TV
 MEDIACOM
 618-993-5216

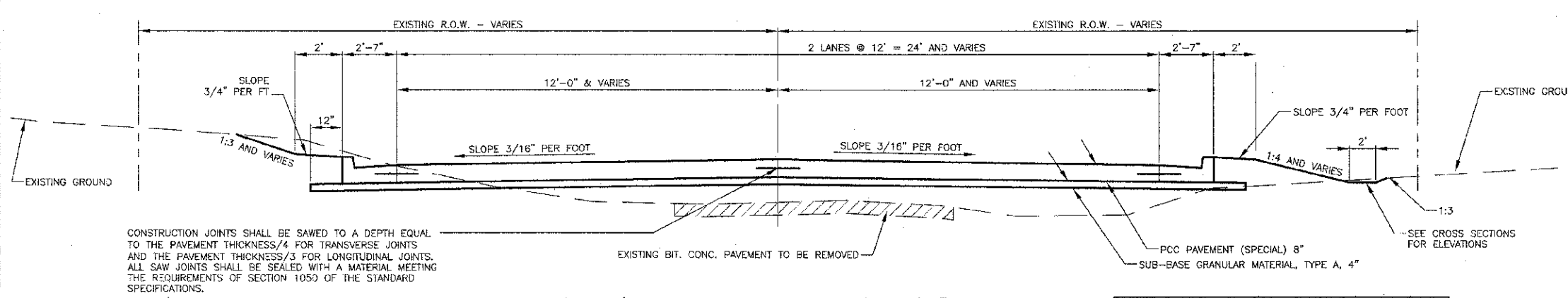
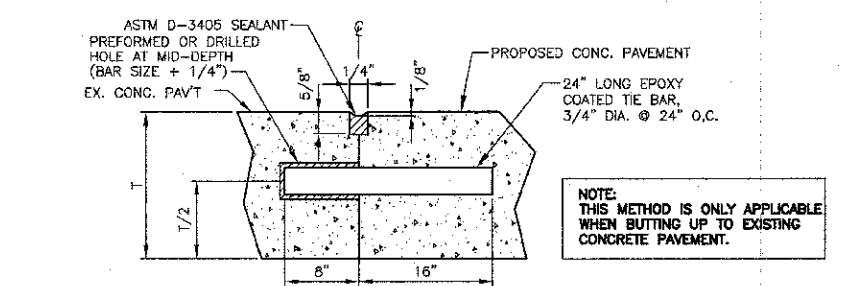
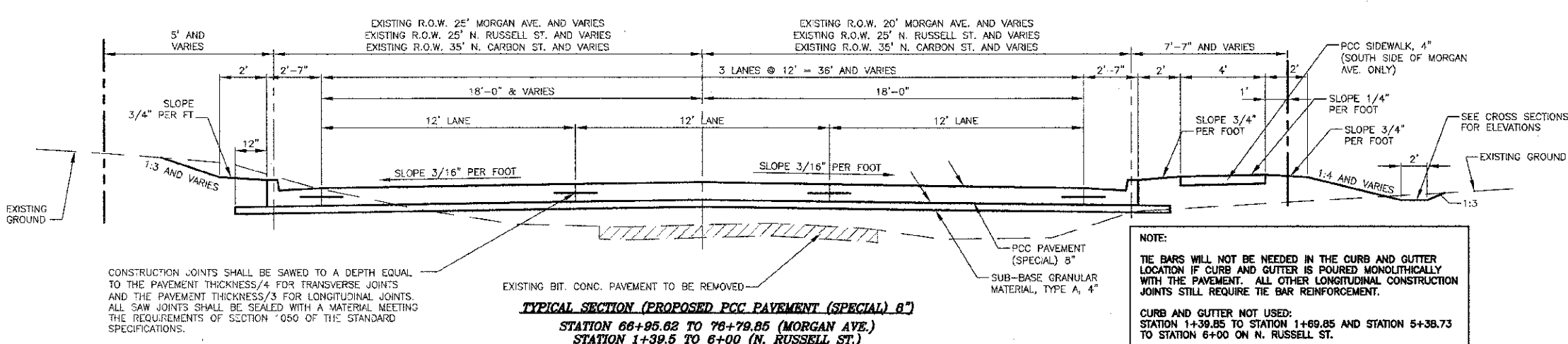
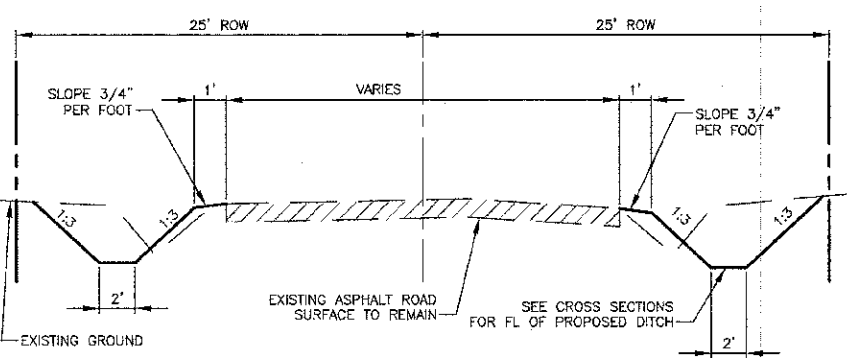
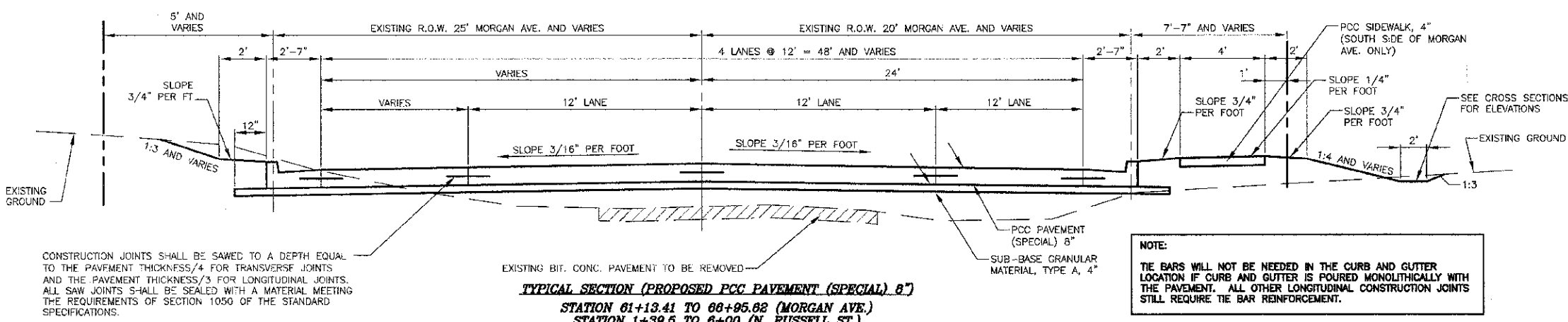
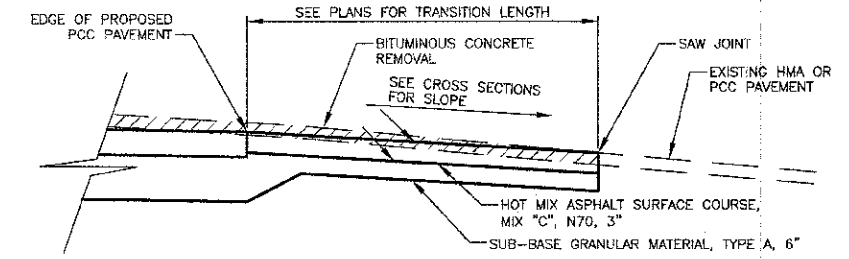
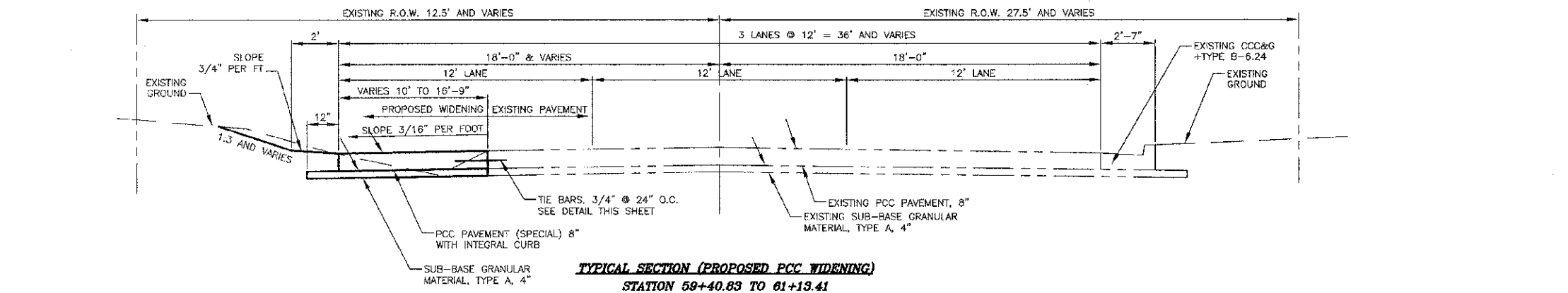
WATER & SEWER
 CITY OF MARION
 100 PUBLIC SQUARE
 MARION, ILLINOIS 62959
 WATER DEPT. 618-993-5610
 SEWER DEPT. 618-993-5663

THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 10 DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.

UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATIONS ARE NOT GUARANTEED TO BE AS SHOWN IN THE PLANS.

THE CONTRACTOR SHALL MOVE THE MAILBOXES TO LOCATIONS AS DIRECTED BY THE U.S. POSTAL SERVICE AND INSTALL THEM READY TO RECEIVE MAIL. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL REPLACE THE MAILBOXES AT THE HOUSES FROM WHICH THEY WERE MOVED. THE COST OF MOVING THE MAILBOXES IS INCIDENTAL TO THIS CONTRACT.

SPEC PROV	ITEM NO.	ITEMS	UNIT	TOTAL	SHT 9	SHT 10	SHT 11	SHT 12	SHT 13	SHT 14	SHT 15
Δ *	56200200	WATER SERVICE LINE, 3/4"	FOOT	501	40	36	95	50	15	145	70
Δ *	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	4		1	1	1		1	
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	6			6				
	60500060	REMOVING INLETS	EACH	2	2						
Δ *	63600105	CABLE ROAD GUARD, SINGLE STRAND	FOOT	55	55						
Δ *	66400205	CHAIN LINK FENCE, 5'	FOOT	76				76			
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	14							
	67100100	MOBILIZATION	L SUM	1							
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1							
	701C3815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20							
	72000100	SIGN PANEL-TYPE 1	SQ FT	87.50	18.25	12.50	18.75	33.00	5.00		
	72900200	METAL POST - TYPE B	FOOT	170	40	14	36	68	12		
Δ	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	254.6	35.2	62.4	31.2	62.4	62.4		
Δ	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5621	1191	1500	1680	890	390		
Δ	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	113	53		60				
Δ	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	151	24			127			
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	52	52						
Δ *	X0320374	PLUG EXISTING SANITARY SEWER	EACH	3		3					
Δ *	X0322786	SANITARY SEWER TESTING	L SUM	1							
*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	5	5						
*	X0322933	RELOCATE EXISTING FLARED END SECTION	EACH	2	1					1	
Δ *	X0325340	FIRE HYDRANT WITH 6" VALVE AND VALVE BOX	EACH	9	1	2	1	1	1	2	1
Δ *	X0325792	WATER METER INSTALLED	EACH	26	2	3	6	3	1	8	3
Δ *	X0326713	SANITARY SEWER CONNECTION	EACH	1		1					
Δ *	X0326895	WATER METER TO BE REMOVED	EACH	26	2	3	6	3	1	8	3
*	X0327008	REMOVE AND RELOCATE SIGN (SPECIAL)	EACH	1			1				
*	X4200400	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL) WITH INTEGRAL CURB	SQ YD	11065	1460	3240	3430	1945	790	200	
*	X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	450	175	275					
Δ *	X5620108	WATER SERVICE RECONNECTIONS	EACH	27	2	4	5	3	1	8	3
Δ *	X5630004	CUT AND CAP EXISTING 4" WATER MAIN	EACH	3	1	1					1
Δ *	X5630005	CUT AND CAP EXISTING 6" WATER MAIN	EACH	6	1	2					1
Δ *	X6022810	MANHOLES, SANITARY, 4"-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2					
*	X6024242	INLETS, SPECIAL, NO. 1	EACH	23	6	4	7	6			
Δ *	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	6	1	2					



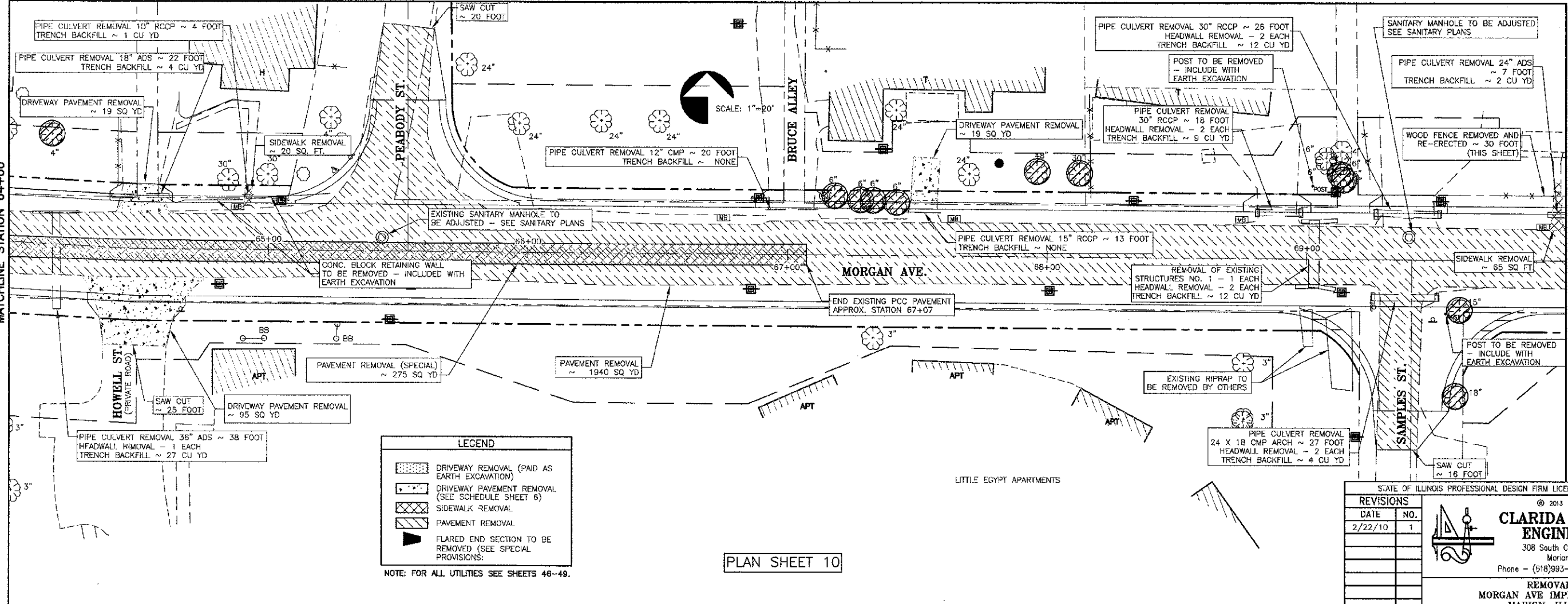
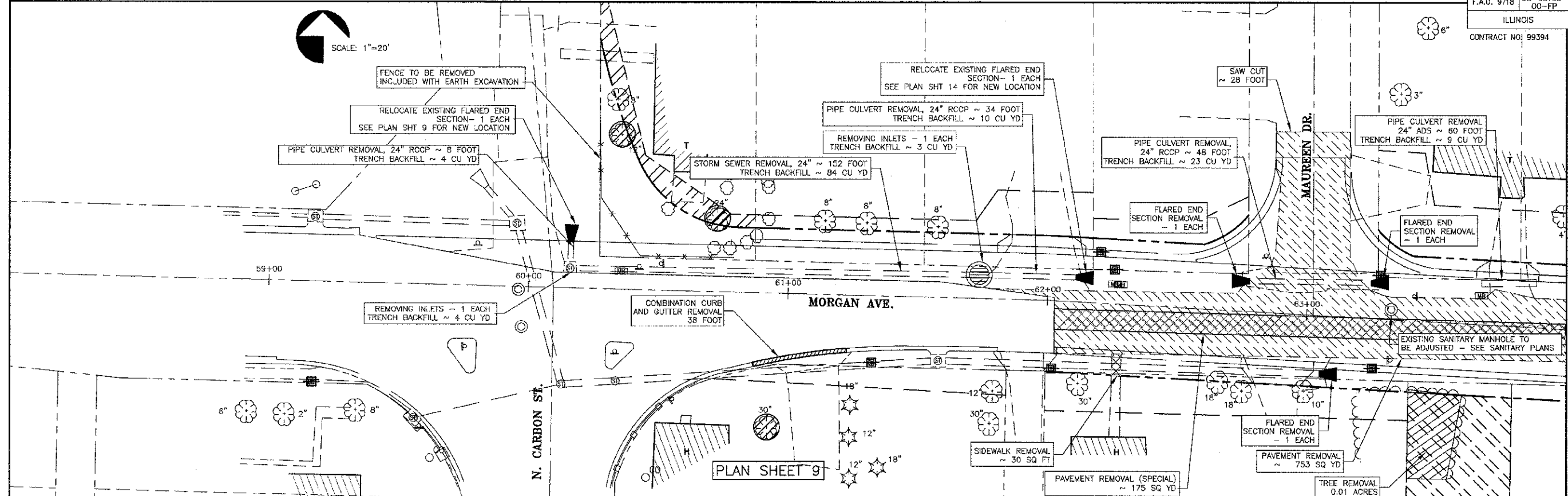
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308 South Court St, P.O. Box 937
Marion, Illinois 62959
Phone - (618)993-6411, Fax - (618)993-6750

TYPICAL SECTIONS - PCC PAVEMENT
MORGAN AVE. IMPROVEMENTS
MARION, ILLINOIS

Date 2/27/13 DR. By TW CK'D By HGC
Scale NGNE Job No. 08155 Sheet No. 04 of 45



LEGEND	
	DRIVEWAY REMOVAL (PAID AS EARTH EXCAVATION)
	DRIVEWAY PAVEMENT REMOVAL (SEE SCHEDULE SHEET 6)
	SIDEWALK REMOVAL
	PAVEMENT REMOVAL
	FLARED END SECTION TO BE REMOVED (SEE SPECIAL PROVISIONS)

NOTE: FOR ALL UTILITIES SEE SHEETS 46-49.

PLAN SHEET 10

REVISIONS	
DATE	NO.
2/22/10	1

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

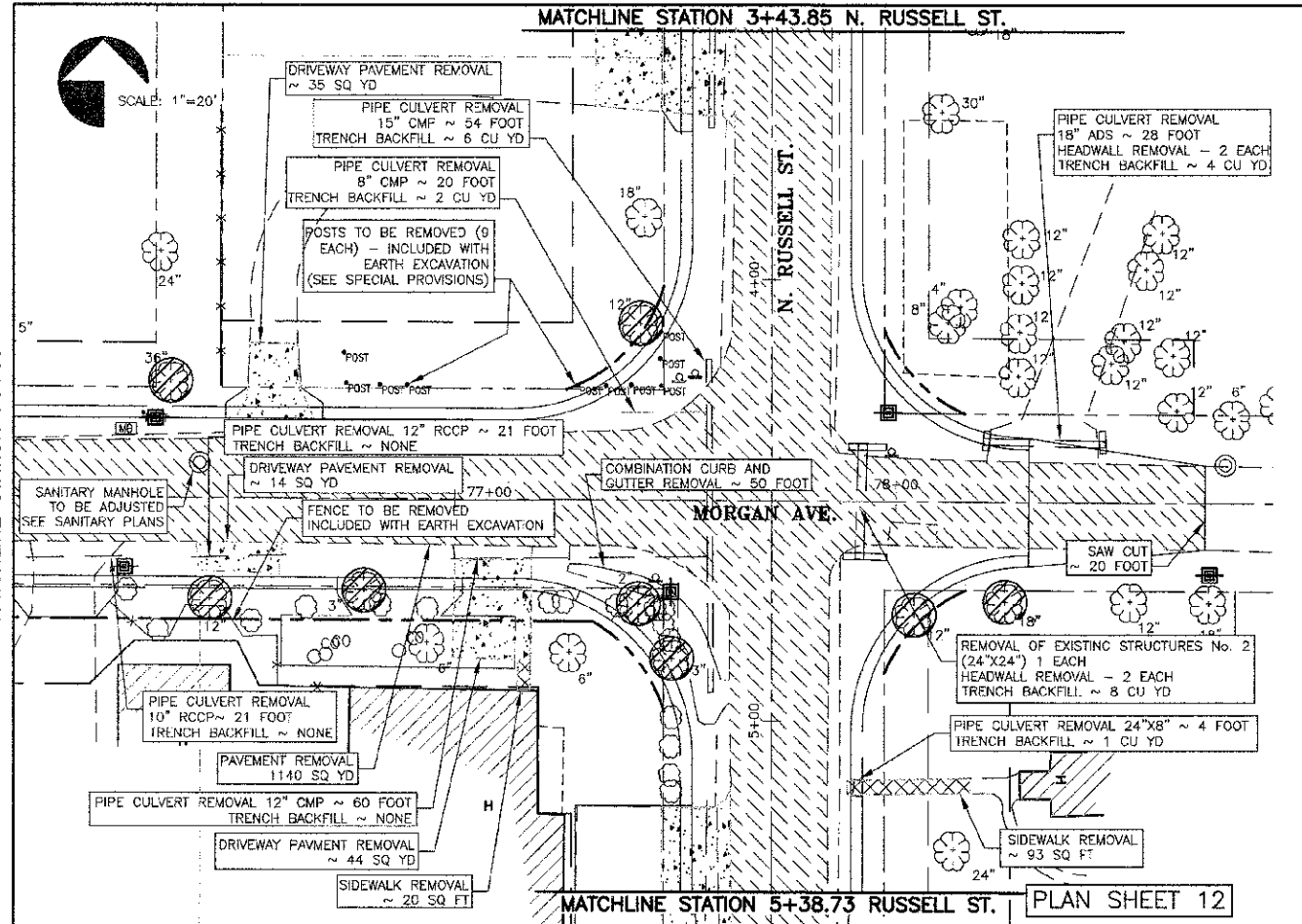
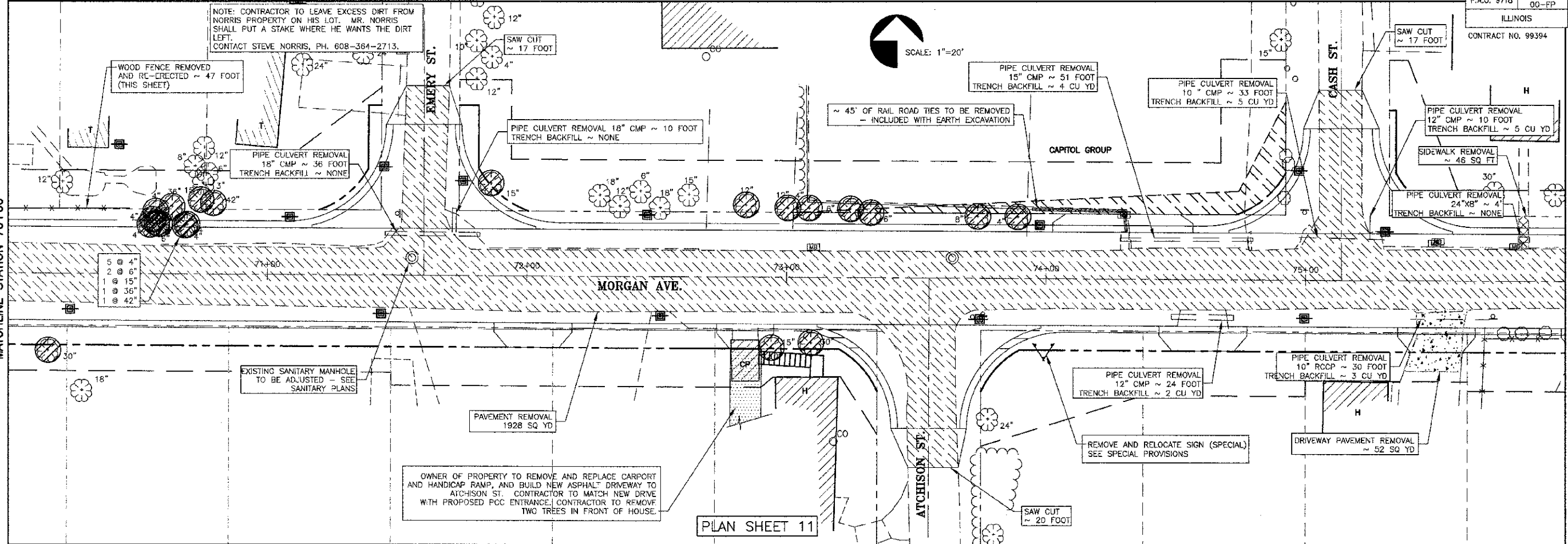
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CLARIDA & ZIEGLER ENGINEERING CO.
 308 South Court St, P.O. Box 937
 Marion, Illinois 62959
 Phone - (618)993-6411, Fax - (618)993-6750

REMOVALS
 MORGAN AVE IMPROVEMENTS
 MARION, ILLINOIS

Date: 2/27/13 DR. by: TW. CK'D By: HGC
 Scale: 1"=20' Job No. 09155 Sheet No. 05 of 45

CONTRACT NO. 99394



TREE REMOVAL (MORGAN)				
STATION	OFFSET	6"-15"	15" OVER	15"
60+35	60 L	12		
60+72	28 L		24	
60+93	52 R		30	
TOTAL PLAN SHEET 9				
64+14	43 L	4		
67+16	23 L	6		
67+28	21 L	6		
67+33	21 L	6		
67+42	20 L	6		
67+95	33 L		48	
68+12	32 L		30	
69+14	31 L	6		
69+13	33 L	6		
69+58	52 R		18	
69+59	19 R	15		
TOTAL PLAN SHEET 10				
70+16	30 R		30	
70+55	19 L	4		
70+56	21 L	4		
70+57	24 L	4		
70+57	20 L	6		
70+58	19 L	6		
70+63	26 L		36	
70+68	19 L	4		
70+74	29 L	15		
70+79	27 L		42	
71+86	36 L	15		
72+84	28 L	12		
72+94	27 R	15		
73+00	27 L	12		
73+09	27 R	4		
73+25	26 L	6		30
73+32	25 L	6		
73+74	24 L	8		
73+89	24 L	4		
TOTAL PLAN SHEET 11				
76+36	26 L		36	
76+45	23 R	12		
76+80	21 R	3		
77+42	40 L	12		
77+42	24 R	2		
77+49	36 R	3		
78+04	26 R	12		
78+25	23 R		18	
TOTAL PLAN SHEET 12				
TOTALS		200	342	

PIPE CULVERT REMOVAL				
STATION	OFFSET	SIZE/TYPE	LENGTH	TRENCH BACKFILL
63+75	17 L	24"/ADS	21'	9 C.Y.
TOTAL PLAN SHEET 9				
64+15	AR	36"/ADS	38'	27 C.Y.
64+50	22 L	18"/ADS	22'	4 C.Y.
64+93	21 L	10"/RCCP	4'	1 C.Y.
67+02	17 L	12"/CMP	20'	NONE
67+52	17 L	15"/RCCP	13'	NONE
68+89	18 L	30"/RCCP	18'	9 C.Y.
69+38	15 R	24x18"/CMP AR	27'	4 C.Y.
69+50	18 L	30"/RCCP	26'	12 C.Y.
69+96	18 L	24"/ADS	7'	2 C.Y.
TOTAL PLAN SHEET 10				
71+63	16 L	18"/CMP	36'	NONE
71+72	17 L	18"/CMP	10'	NONE
74+54	15 L	15"/CMP	51'	4 C.Y.
74+60	14 R	12"/CMP	24'	2 C.Y.
75+14	16 L	10"/CMP	33'	5 C.Y.
75+56	15 R	10"/RCCP	30'	NONE
75+24	16 L	12"/CMP	10'	3 C.Y.
75+84	16 L	24"x8"	4'	NONE
TOTAL PLAN SHEET 11				
76+14	14 R	10"/RCCP	21'	NONE
76+51	13 R	12"/RCCP	21'	NONE
77+28	13 R	12"/CMP	60'	NONE
77+47	20 L	8"/CMP	20'	2 C.Y.
77+58	AR	15"/CMP	54'	6 C.Y.
77+91	65 R	24"x8"	4'	8 C.Y.
78+33	13 L	18"/ADS	28'	4 C.Y.
TOTAL PLAN SHEET 12				
TOTALS (MORGAN STREET)			844'	223 C.Y.

PIPE CULVERT REMOVAL, 24" RCCP				
STATION	OFFSET	SIZE/TYPE	LENGTH	TRENCH BACKFILL
60+16	14 L	24"/RCCP	8'	4 C.Y.
61+95	9 L	24"/RCCP	34'	10 C.Y.
63+01	13 L	24"/ADS	48'	23 C.Y.
TOTAL PLAN SHEET 9				
			263'	37 C.Y.

STORM SEWER REMOVAL, 24" RCCP				
STATION	OFFSET	SIZE/TYPE	LENGTH	TRENCH BACKFILL
61+15	8 L	24"/RCCP	152'	84 C.Y.
TOTAL PLAN SHEET 9				
			263'	84 C.Y.

LEGEND	
	DRIVEWAY REMOVAL (PAID AS EARTH EXCAVATION)
	DRIVEWAY PAVEMENT REMOVAL (SEE SCHEDULE SHEET 6)
	PAVEMENT REMOVAL
	FLARED END SECTION TO BE REMOVED (SEE SPECIAL PROVISIONS)

NOTE: TREES LESS THAN 6" SHOWN TO BE REMOVED SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITH EARTH EXCAVATION.

NOTE: FOR ALL UTILITIES SEE SHEETS 46-49.

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

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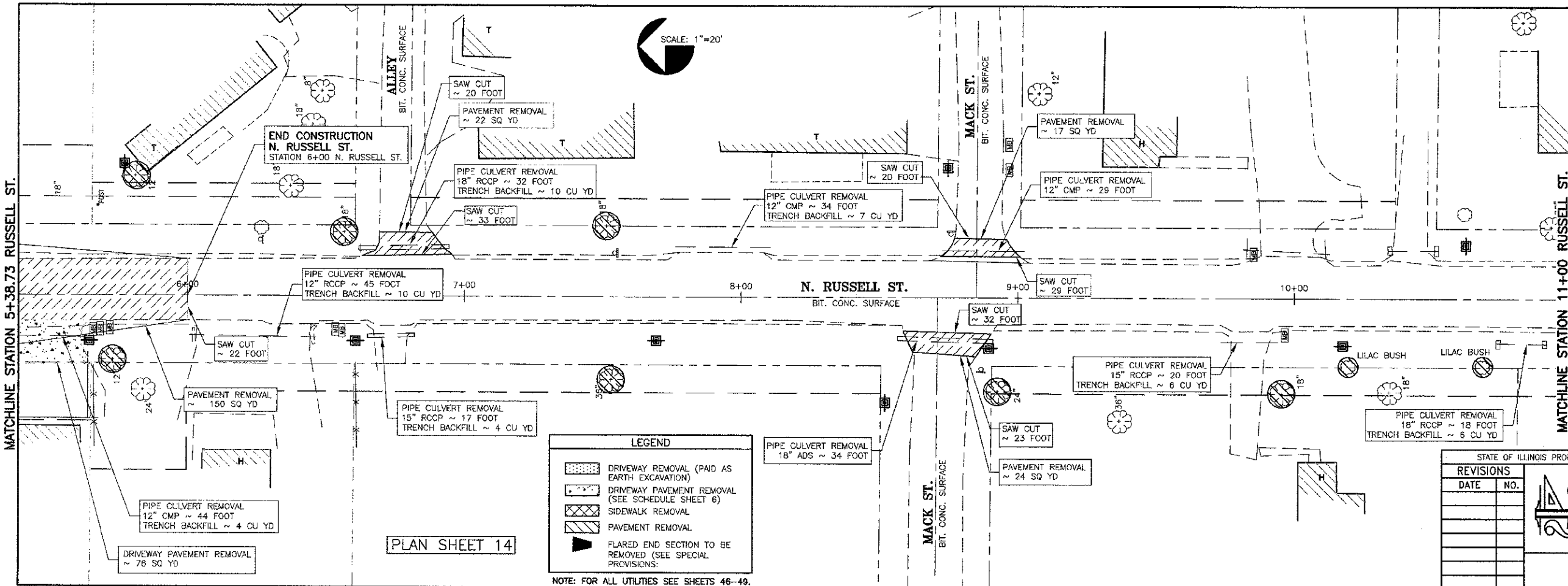
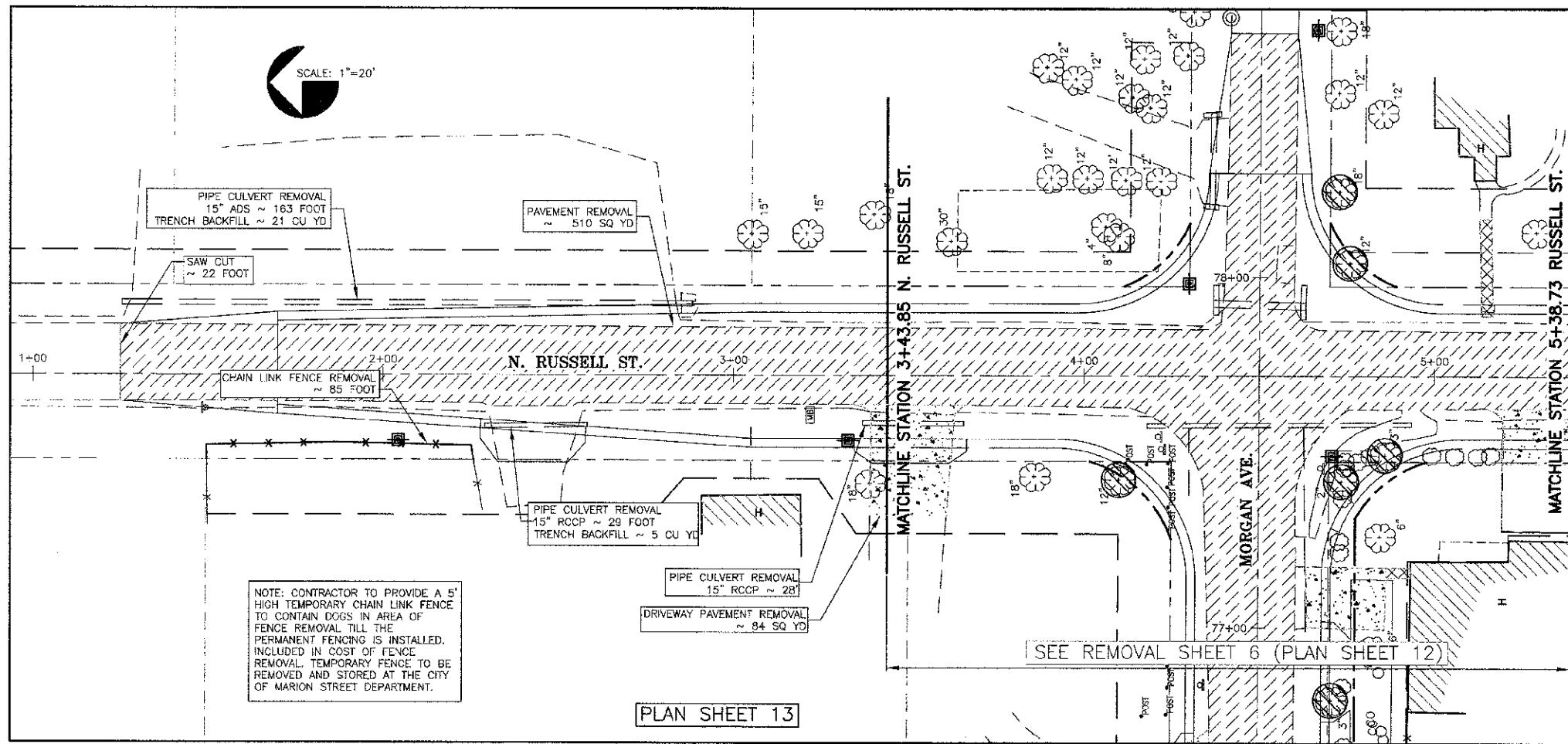
REMOVALS
 MORGAN AVE IMPROVEMENTS
 MARION, ILLINOIS

REVISIONS	DATE	NO.

Date: 2/27/13 DR. By: TW CK'D By: HGC
 Scale: 1"=20' Job No. Q8155 Sheet No. 06 of 45

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	07
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394



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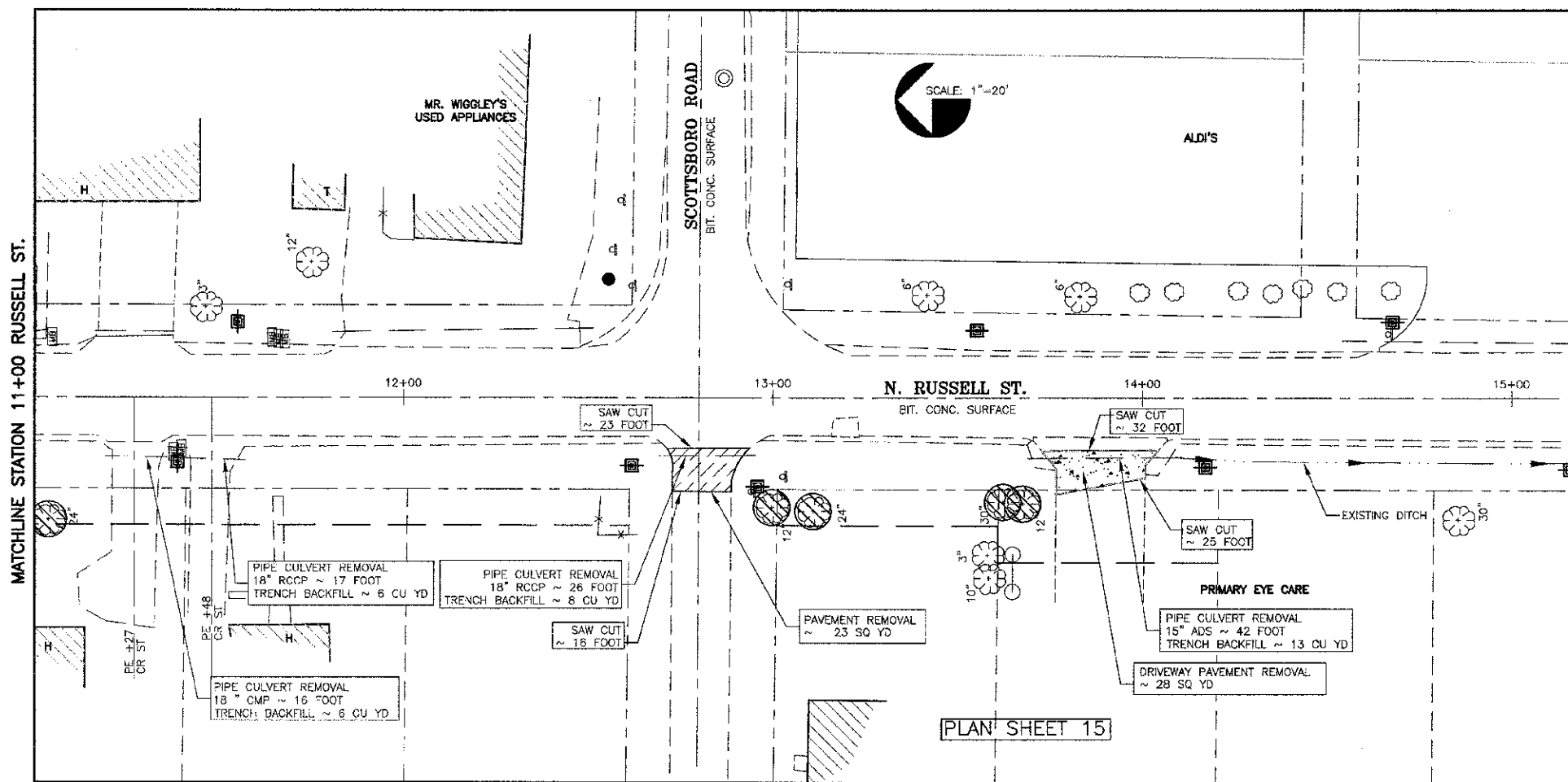
REMOVALS ALONG N. RUSSELL ST.
MORGAN AVE IMPROVEMENTS
MARION, ILLINOIS

REVISIONS	
DATE	NO.

Date: 2/27/13 DR. By: TW CK'D By: HGC
Scale: 1"=20' Job No. 08155 Sheet No. 07 of 45

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	08
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394



TREE REMOVALS (RUSSELL)

STATION	OFFSET	6"-15"	OVER 15"
TOTAL SHEET 13			
5+73	23 R	12	
5+91	22 L	12	
6+57	23 L		18
7+51	25 L		18
7+53	30 R		36
8+93	34 R		24
9+95	34 R		18
TOTAL SHEET 14			
11+04	33 R		24
13+00	30 R	12	
13+11	31 R		24
13+82	28 R		30
13+88	29 R	12	
TOTAL SHEET 15			
		24	78

- NOTES:
- TREES LESS THAN 6" SHOWN TO BE REMOVED SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITH EARTH EXCAVATION.
 - LILAC BUSHES RIGHT OF STATION 10+20 AND 10+70 TO BE REMOVED. COST TO BE INCLUDED WITH EARTH EXCAVATION.
 - CONTRACTOR TO REMOVE STUMP AND DEAD TREE RIGHT OF STATION 11+25±. COST TO BE INCLUDED WITH EARTH EXCAVATION.

PIPE CULVERT REMOVAL

STATION	OFFSET	SIZE/TYPE	LENGTH	TRENCH BACKFILL
2+00	20' L	15" ADS	163'	21 C.Y.
2+43	15' R	15" RCCP	29'	5 C.Y.
3+44	14' R	15" RCCP	28'	NONE
TOTAL PLAN SHEET 13				26 C.Y.
5+39	15' R	12" CMP	44'	4 C.Y.
6+24	15' R	12" RCCP	45'	10 C.Y.
6+76	15' R	15" RCCP	17'	4 C.Y.
6+80	18' L	18" RCCP	32'	10 C.Y.
7+83	18' L	12" CMP	34'	7 C.Y.
8+71	15' R	18" ADS	34'	NONE
8+85	17' L	12" CMP	29'	NONE
9+83	16' L	15" RCCP	20'	6 C.Y.
10+82	16' R	18" RCCP	18'	6 C.Y.
TOTAL PLAN SHEET 14				47 C.Y.
11+27	17' R	18" CMP	16'	6 C.Y.
11+48	17' R	18" RCCP	17'	6 C.Y.
12+80	16' R	18" RCCP	26'	8 C.Y.
13+89	17' R	15" ADS	42'	13 C.Y.
TOTAL PLAN SHEET 15				33 C.Y.
TOTALS (RUSSELL STREET)				106 C.Y.

LEGEND

- DRIVEWAY REMOVAL (PAID AS EARTH EXCAVATION)
- DRIVEWAY PAVEMENT REMOVAL (SEE SCHEDULE SHEET 6)
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- FLARED END SECTION TO BE REMOVED (SEE SPECIAL PROVISIONS)

NOTE: FOR ALL UTILITIES SEE SHEETS 46-49.

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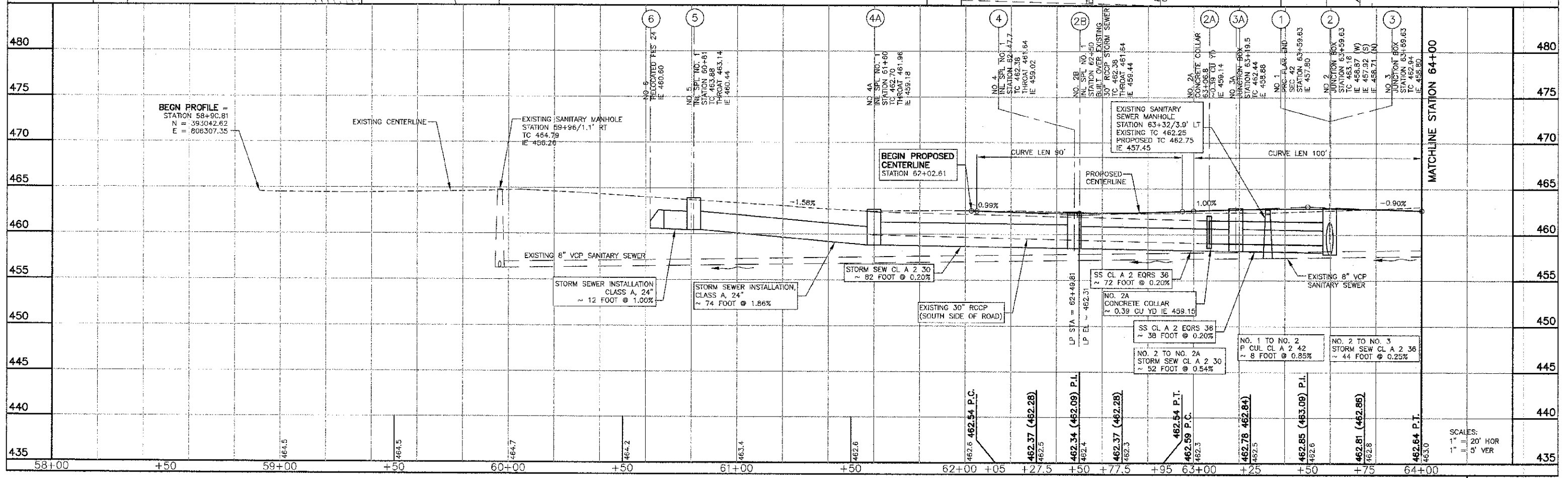
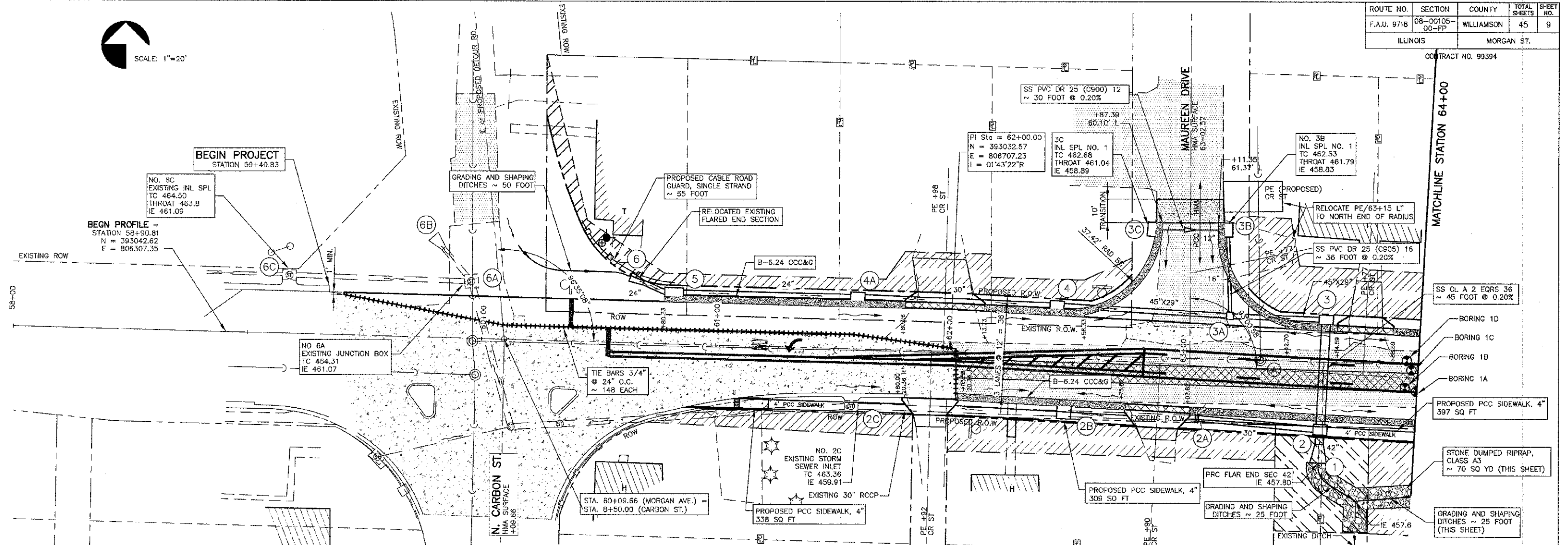
REMOVALS ALONG N. RUSSELL ST. MORGAN AVE IMPROVEMENTS MARION, ILLINOIS

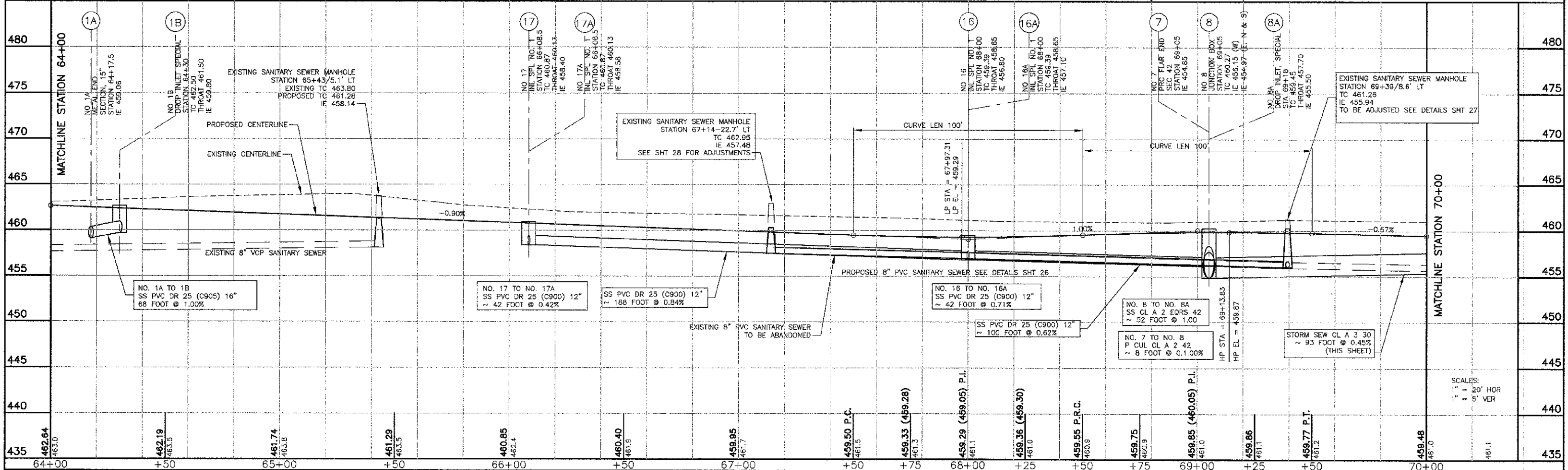
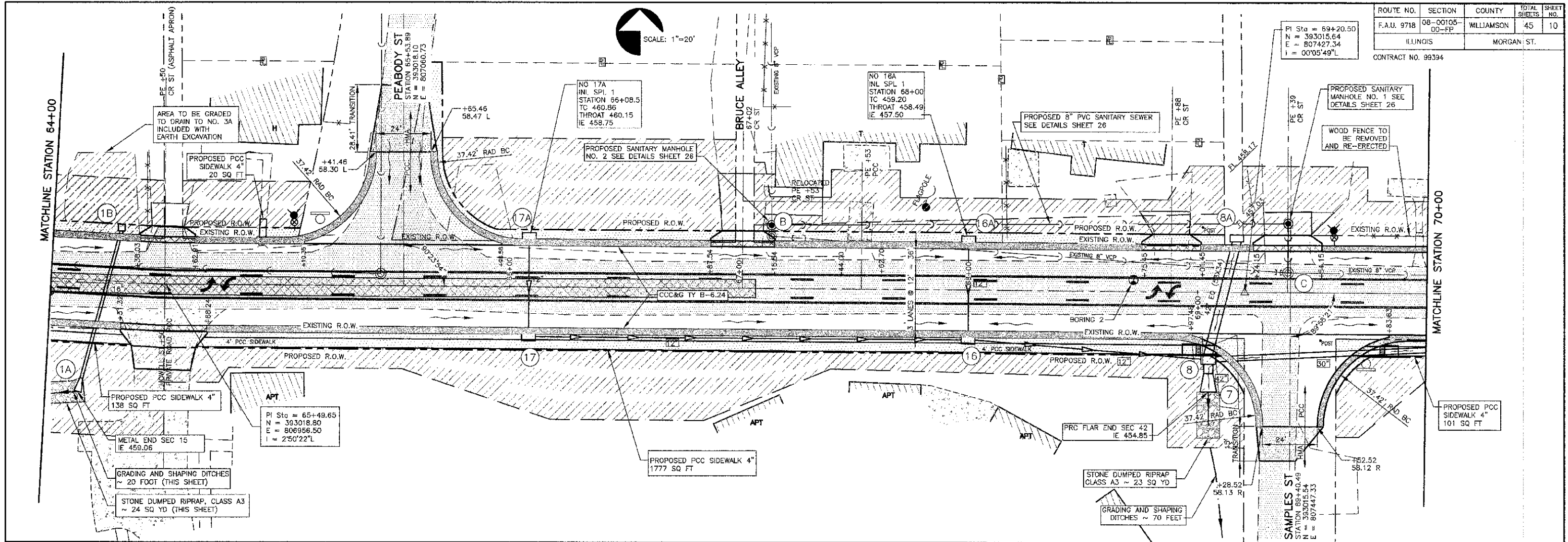
DATE: 2/27/13 DR. BY: TW CK'D BY: HGC
 Scale: 1"=20' Job No. 08155 Sheet No. 08 of 45



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-PP	WILLIAMSON	45	9
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394





NOTE: CONTRACTOR TO LEAVE EXCESS DIRT FROM NORRIS PROPERTY ON HIS LOT. MR. NORRIS SHALL PUT A STAKE WHERE HE WANTS THE DIRT LEFT. CONTACT STEVE NORRIS, PH. 608-364-2713.

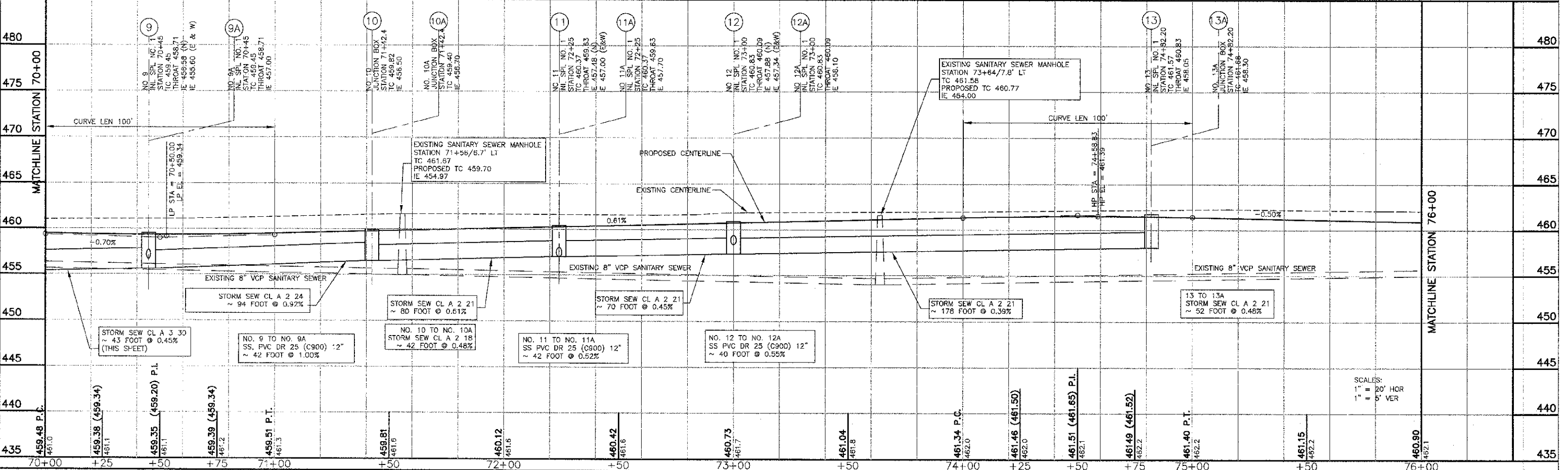
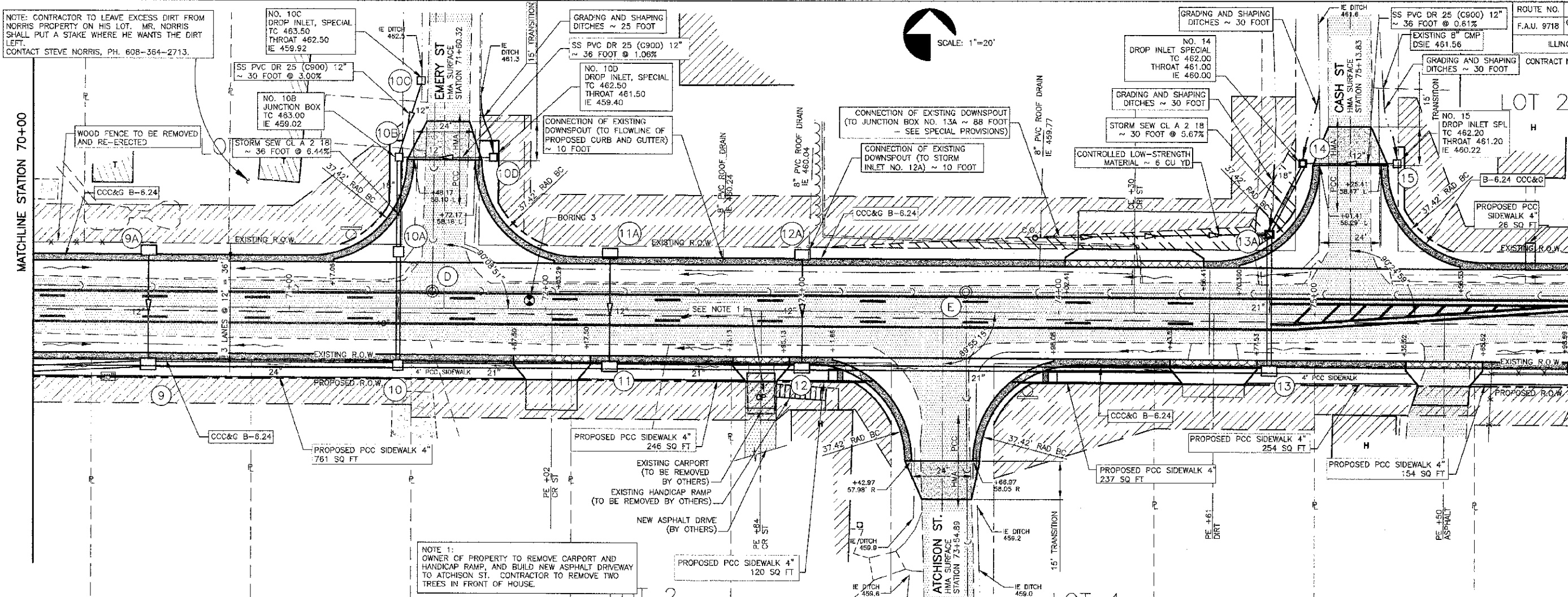
SCALE: 1"=20'

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	11

ILLINOIS CONTRACT NO. 99394 MORGAN ST.

MATCHLINE STATION 70+00

MATCHLINE STATION 76+00



NOTE: EXISTING POSTS TO BE REMOVED. PROPOSED BOLLARDS ARE TO BE PLACED ON ROW AS SHOWN. CONTRACTOR TO COORDINATE WITH THE PROPERTY OWNER ON EXACT LOCATION OF BOLLARDS. SEE BOLLARD DETAIL SHIT 36.

BEGIN N. RUSSELL ST.
106.15' LT STATION 77+71.83

NO 29A
INL SPL NO. 1
STATION 3+72
(N. RUSSELL ST.)
TC 461.73
THROAT 460.99
IE 459.40

NO 29
INL SPL NO. 1
STATION 3+72
(N. RUSSELL ST.)
TC 461.73
THROAT 460.99
IE 459.20 (E)
IE 459.00 (N&S)

STATION 77+71.83 MORGAN AVE. =
STATION 4+50.00 N. RUSSELL ST.
N = 393011.37
E = 808278.65

SS PVC DR 25 (C900) 12"
~ 42 FOOT @ 0.18%

GRADING AND SHAPING DITCHES
~ 20 FOOT

MORGAN AVE.

END PROFILE STATION 79+00
N = 393010.72
E = 808406.82

END PROJECT
STATION 78+70

PROPOSED PCC SIDEWALK 4"
142 SQ FT

BEGIN N. RUSSELL ST.
88.73' RT. STATION 77+71.83

NO 28
INL SPL NO. 1
TC 461.69
THROAT 460.95
IE 457.55

SS PVC DR 25 (C905) 16"
~ 32 FOOT (THIS SHEET) @ 0.42%

PROPOSED PCC SIDEWALK 4"
218 SQ FT

FUTURE SIDEWALK
N.I.C.

GRADING AND SHAPING DITCHES
~ 20 FOOT

PROPOSED PCC SIDEWALK 4"
142 SQ FT

PROPOSED PCC SIDEWALK 4"
218 SQ FT

MATCHLINE STATION 76+00

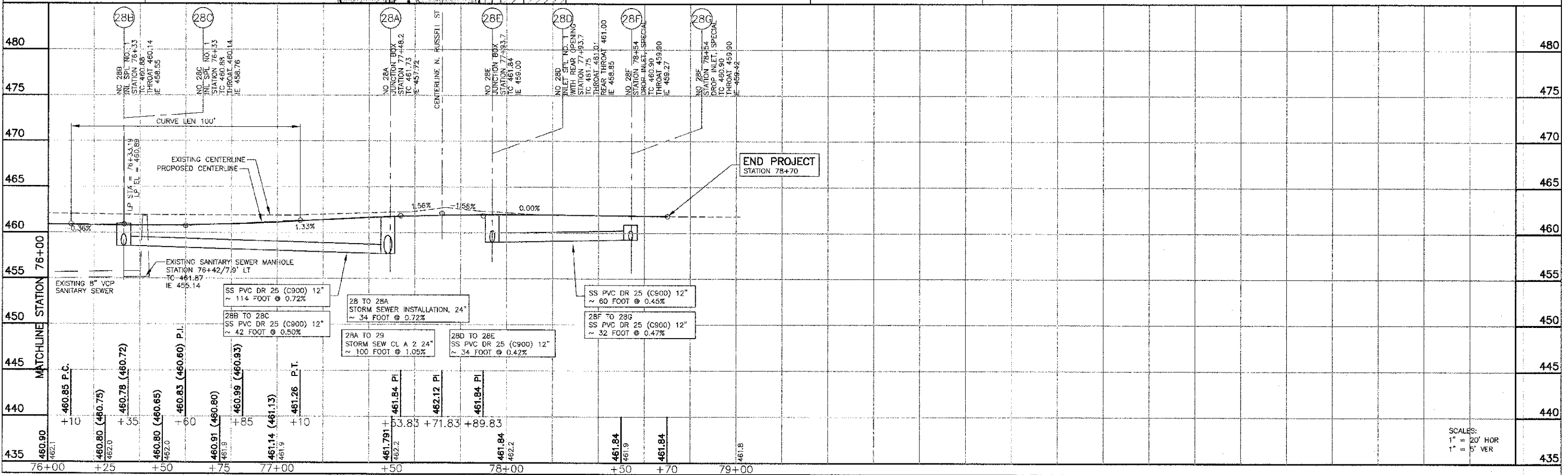
MATCHLINE STATION 3+43.85

MATCHLINE STATION 5+38.73



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	12
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394



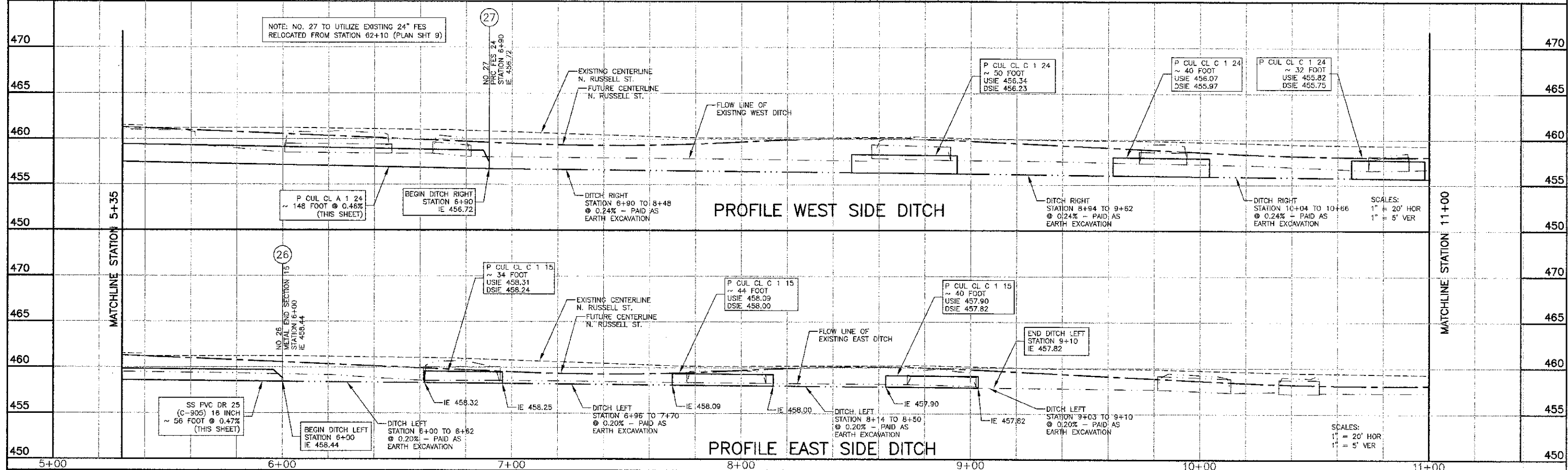
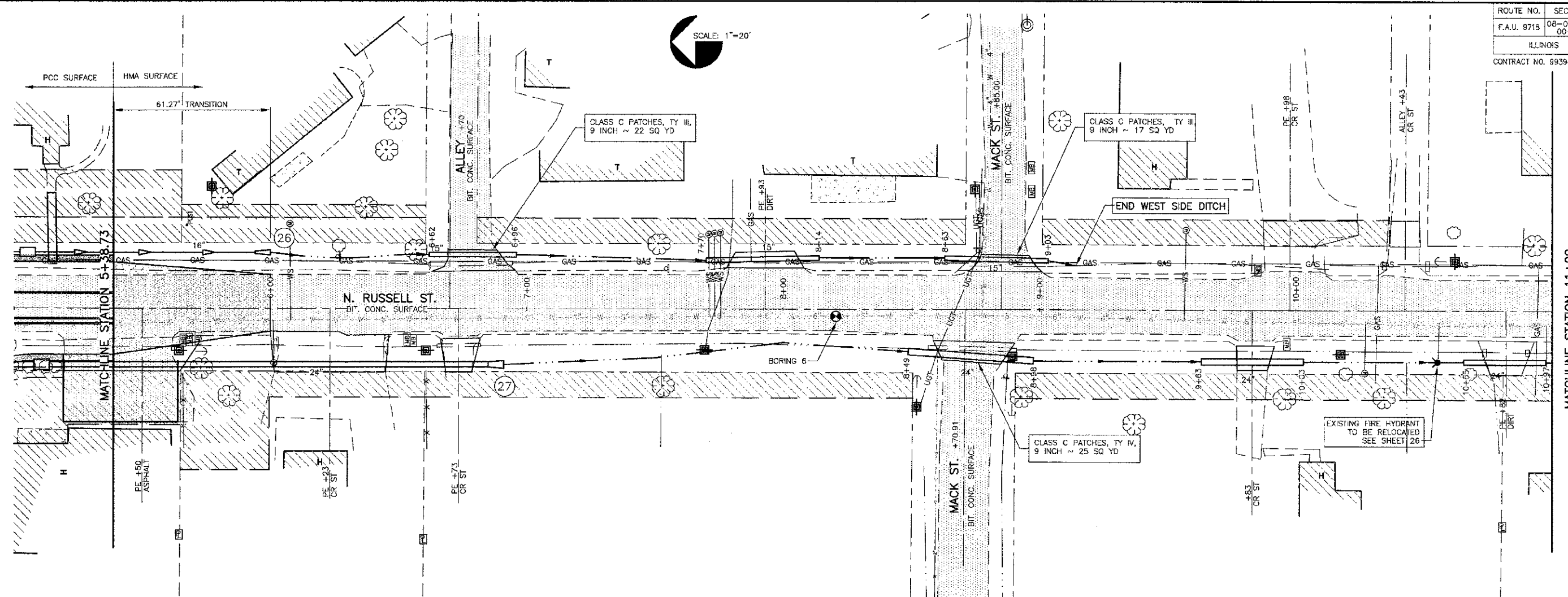
MORGAN AVE. IMPROVEMENTS - PLAN AND PROFILE STATION 76+00 TO 79+00

PROJECT No. 08155
SHT. 12 OF 45

SCALES:
1" = 20' HOR
1" = 5' VER

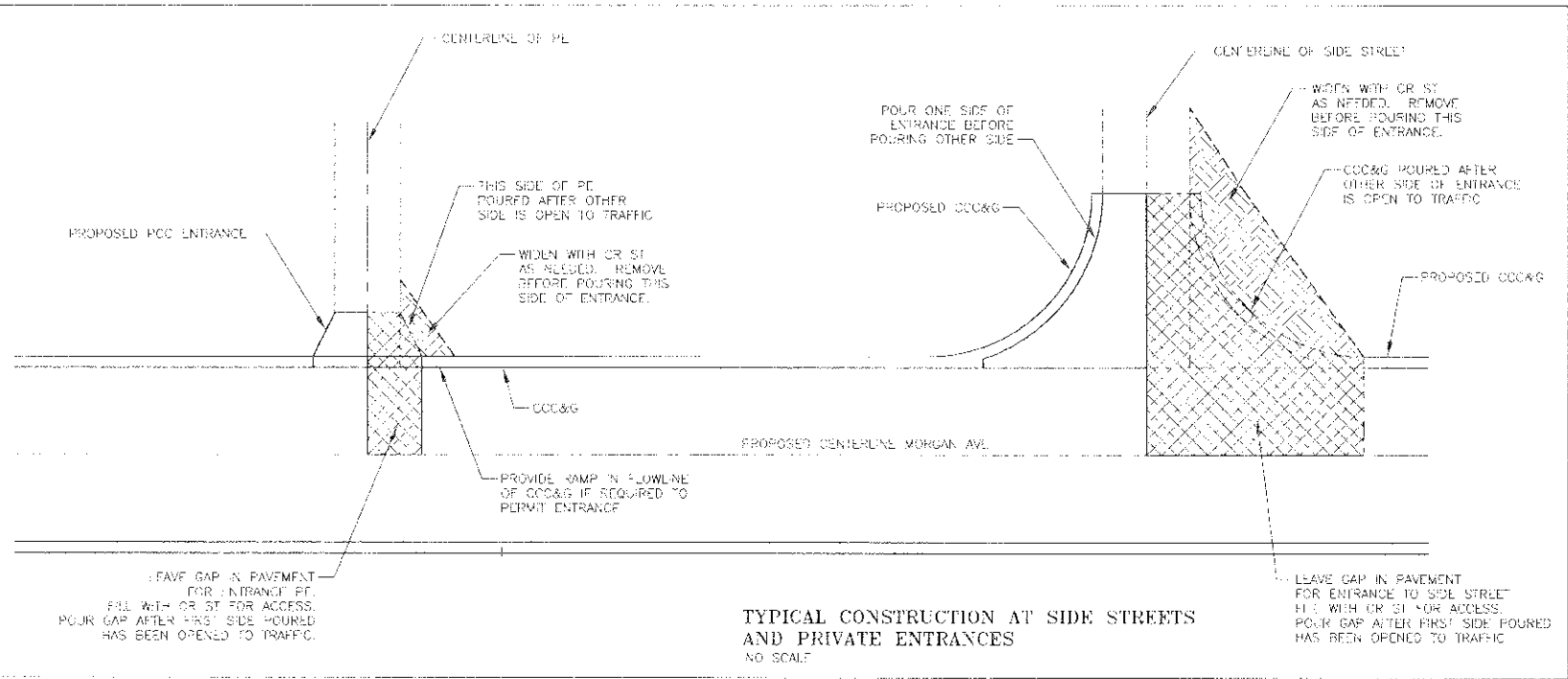
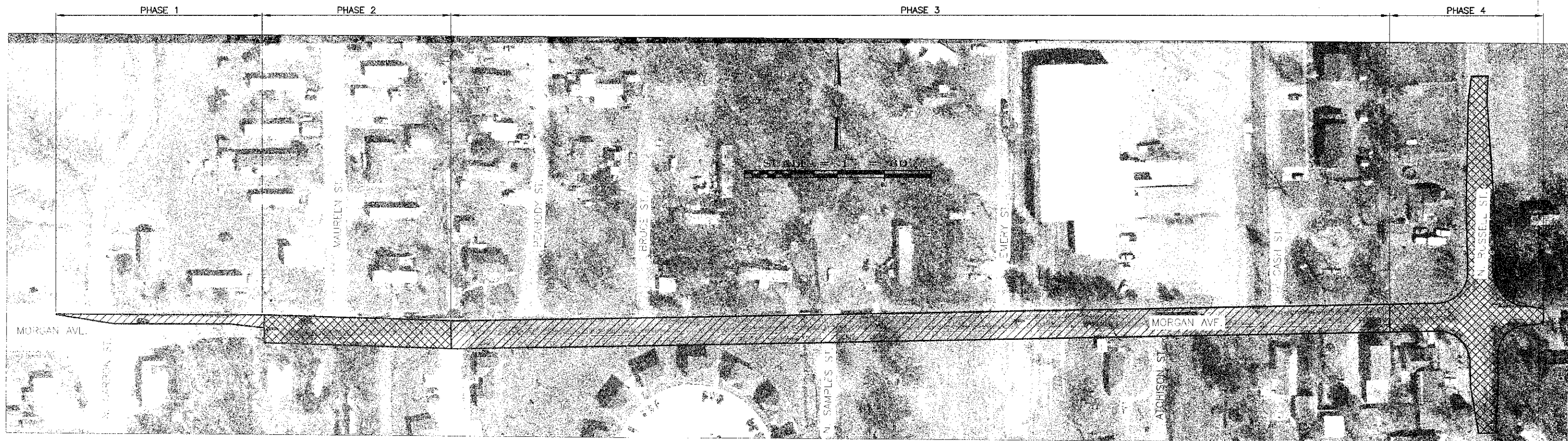
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS
F.A.U. 9715	08-00105-00-FP	WILLIAMSON	45
ILLINOIS		MORGAN ST.	

CONTRACT NO. 99394



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	16
ILLINOIS		MORGAN AVE.		

CONTRACT NO. 99394



TYPICAL CONSTRUCTION AT SIDE STREETS AND PRIVATE ENTRANCES
NO SCALE

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 134-004515

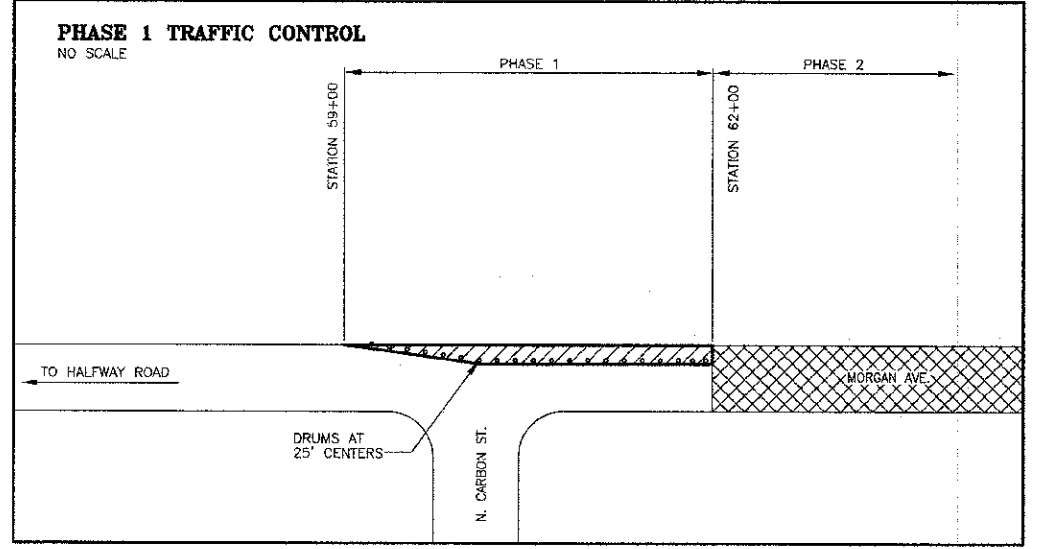
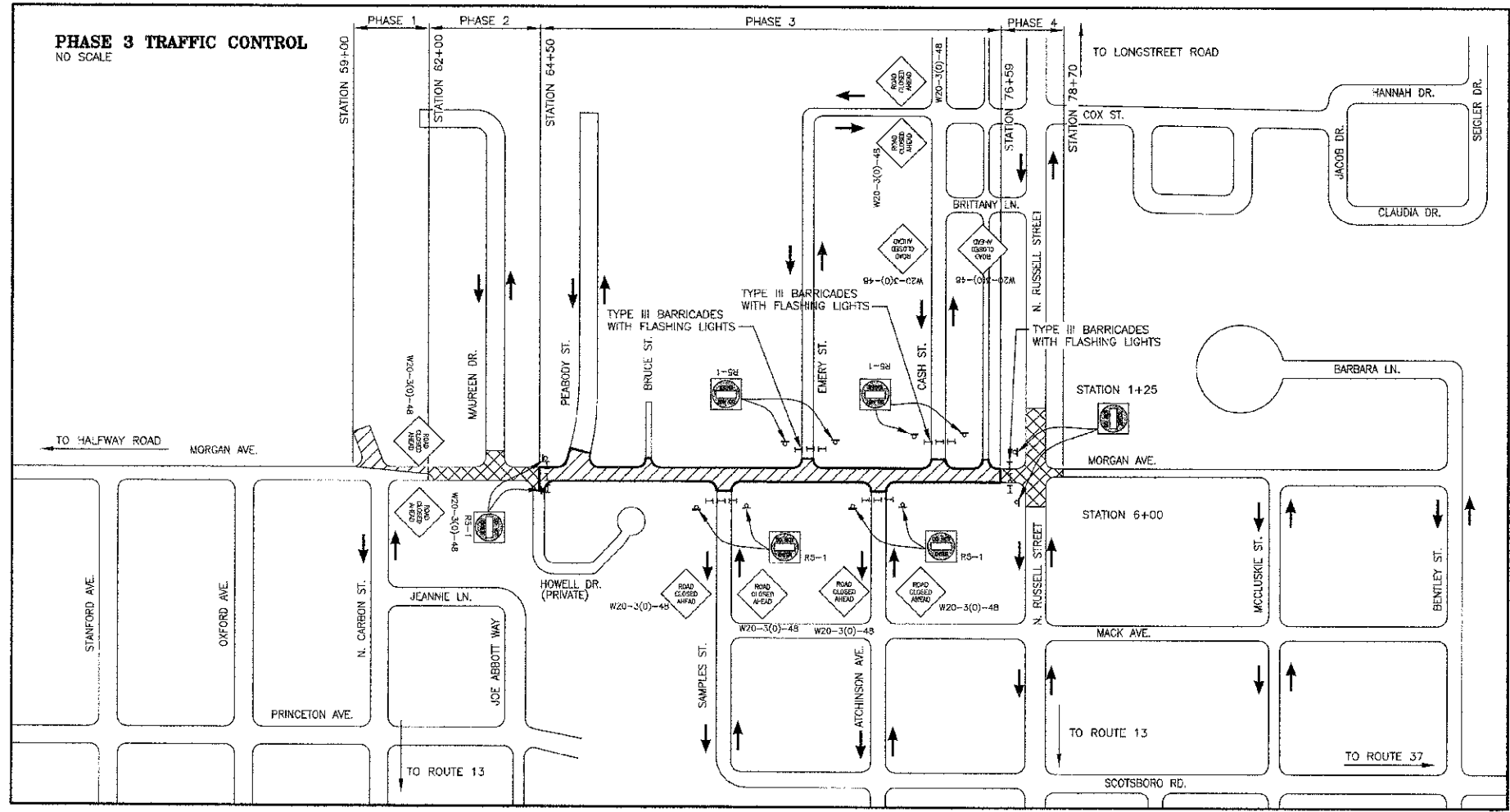
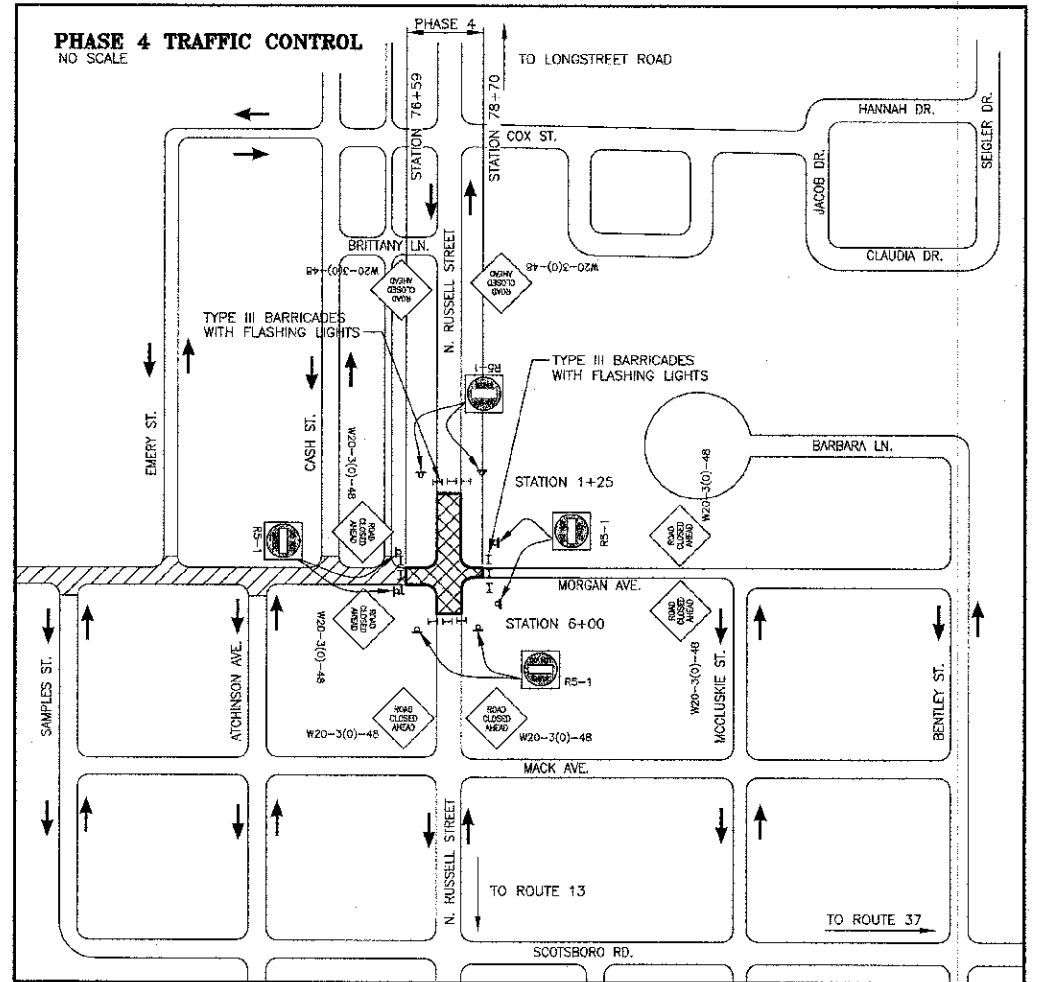
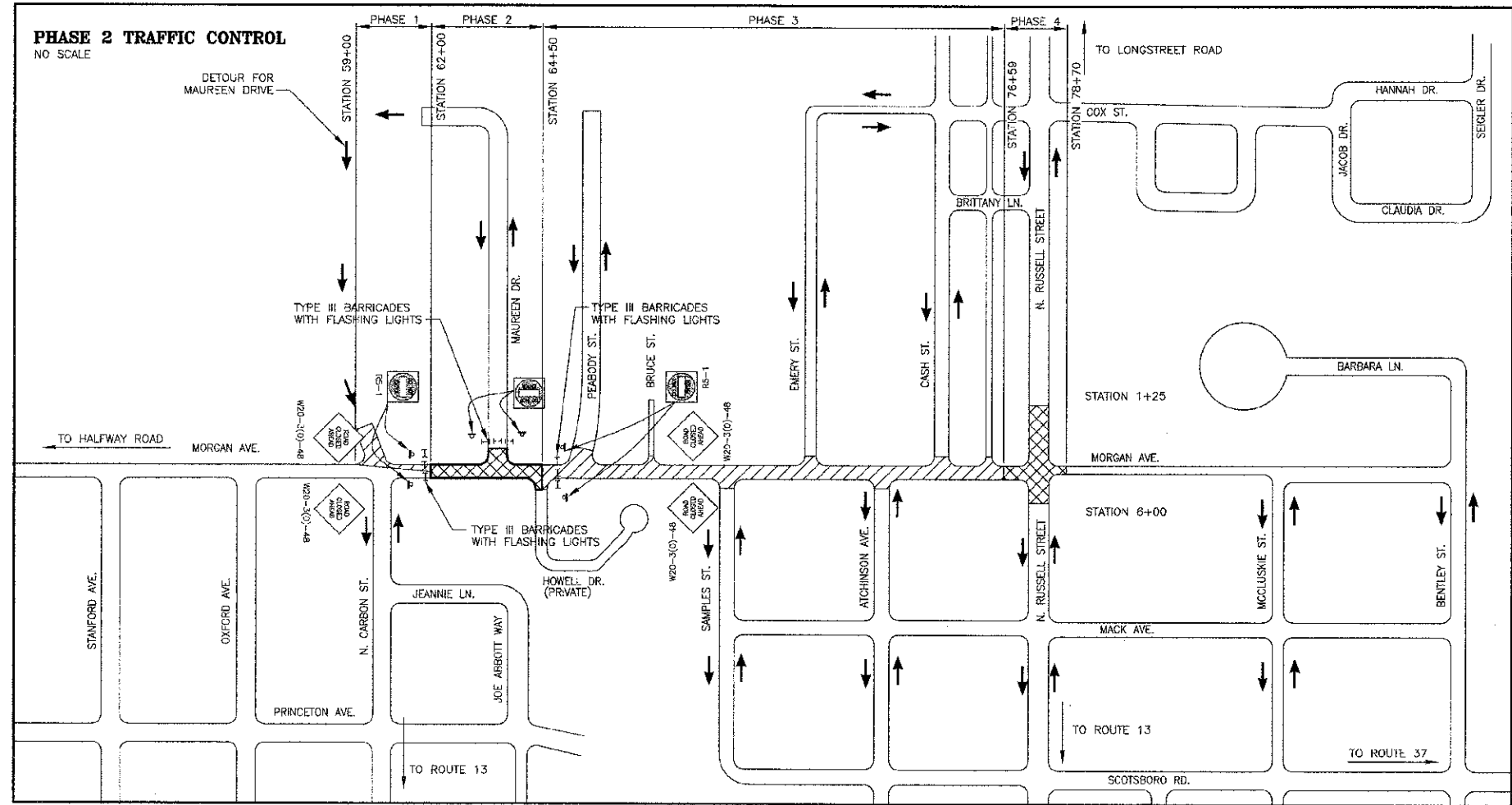
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TRAFFIC CONTROL PLAN AND SEQUENCE OF CONSTRUCTION
MORGAN AVE. IMPROVEMENTS
MARION, ILLINOIS

REVISIONS	DATE	NO.

Date: 2/27/13 Dr. By: TW CKD By: HOC
Scale: 1"=60' Job No: 08155 Sheet No: 16 of 45



STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

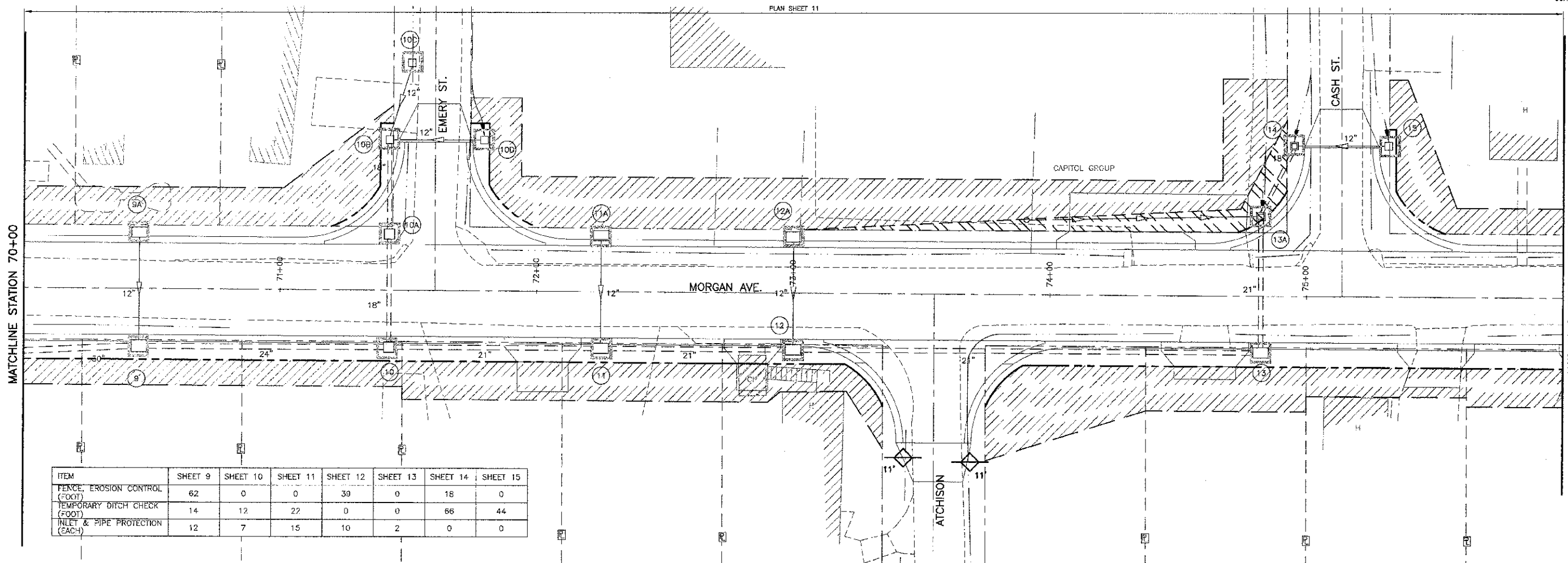
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TRAFFIC CONTROL PLAN AND SEQUENCE OF CONSTRUCTION
MORGAN AVE. IMPROVEMENTS
MARION, ILLINOIS

REVISIONS	
DATE	NO.

Date: 2/27/13 DR. By: TW CK'D By: HGC
Scale AS SHOWN Job No. 08155 Sheet No. 17 of 45



ITEM	SHEET 9	SHEET 10	SHEET 11	SHEET 12	SHEET 13	SHEET 14	SHEET 15
FENCE, EROSION CONTROL (FOOT)	62	0	0	39	0	18	0
TEMPORARY DITCH CHECK (FOOT)	14	12	22	0	0	66	44
INLET & PIPE PROTECTION (EACH)	12	7	15	10	2	0	0

GENERAL EROSION NOTES

- A. THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF THESE DRAWINGS ("SITE MAP"), THE STANDARD DETAILS, THE PLAN NARRATIVE, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL REVIEW THE EROSION CONTROL PLANS AND THE STATE OF ILLINOIS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- C. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE EROSION CONTROL PLANS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- E. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- F. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- G. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- H. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- I. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- J. DUST ON THE SITE SHALL NOT BE CONTROLLED BY THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS.
- L. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- M. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- O. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

GENERAL EROSION NOTES (CONTINUED)

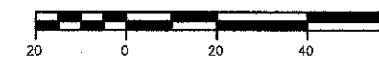
- P. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- Q. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- R. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- S. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SEDIMENT FENCES, ETC.) TO PREVENT EROSION.
- T. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

MAINTENANCE

- ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
 3. SEDIMENT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT FENCES WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE SEDIMENT FENCE.
 4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
 6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.



SCALE : 1" = 20'



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK WITH ESTIMATED LENGTH
- INLET AND PIPE PROTECTION

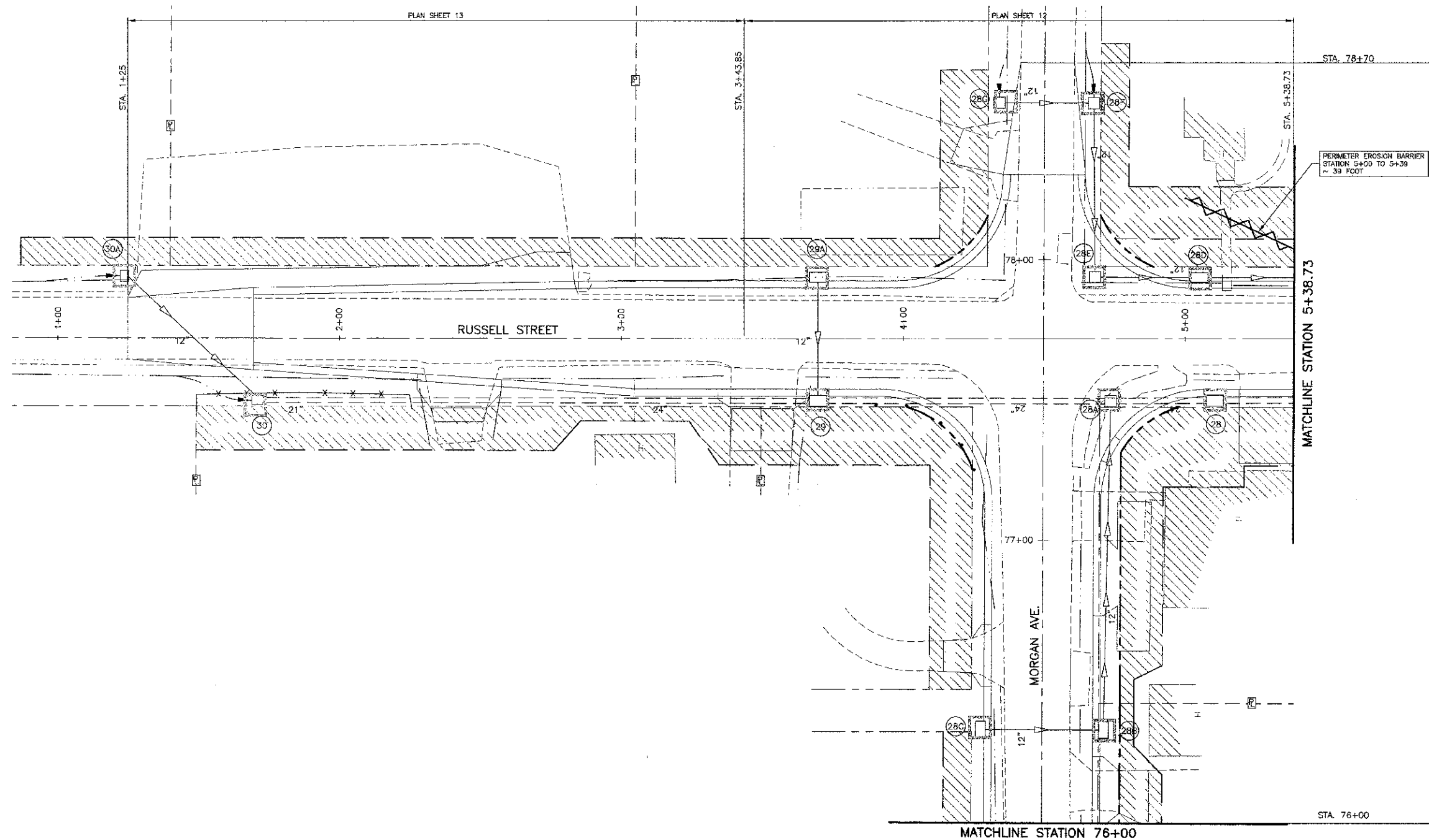
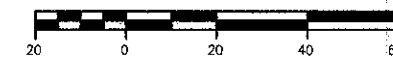
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308 South Court St, P.O. Box 937 Marion, Illinois 62959 Phone - (618)993-6411, Fax - (618)993-6750	
EROSION AND SEDIMENT CONTROL PLAN MORGAN AVE. IMPROVEMENTS MARION, ILLINOIS	
Date: 2/27/13	DR. By: TW
Scale: 1"=20'	Job No. 08155
Sheet No. 19	of 45

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-PP	WILLIAMSON	45	20
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394



SCALE : 1" = 20'

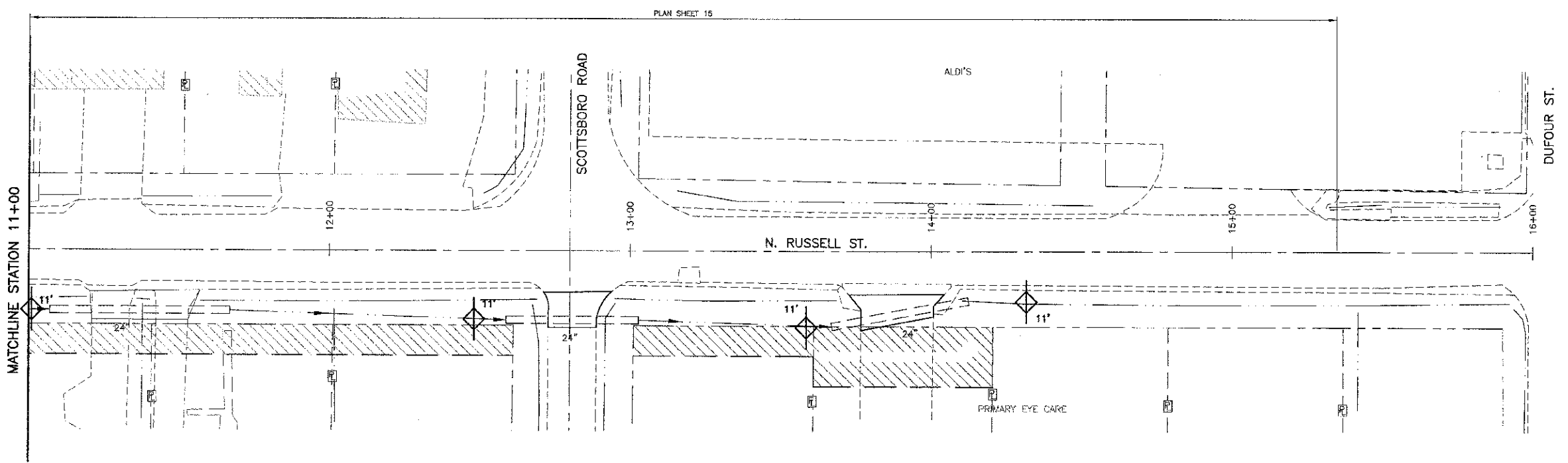
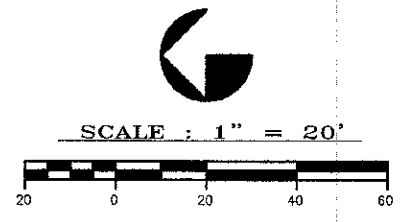
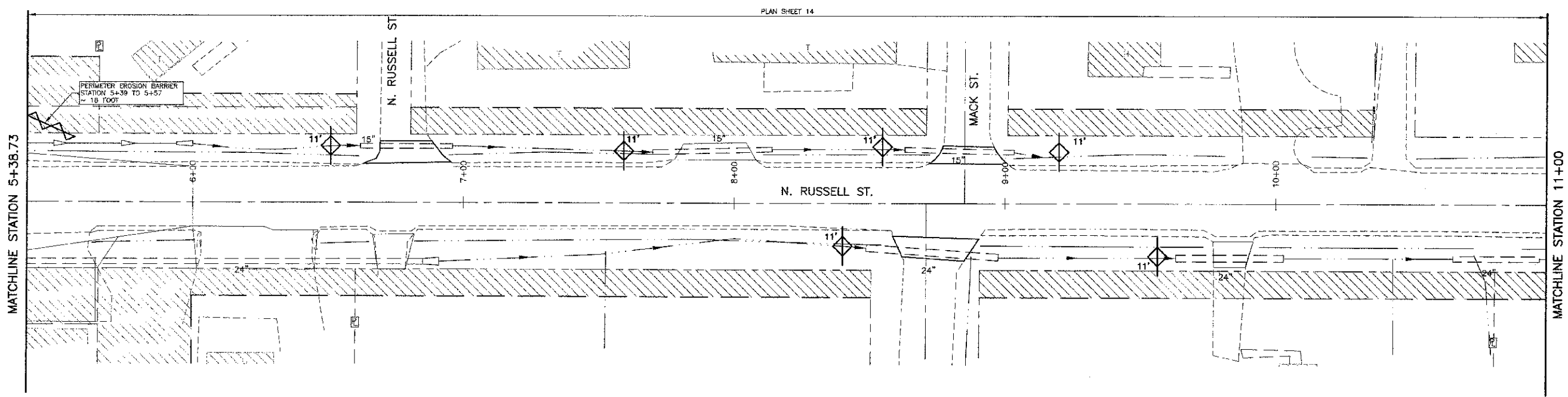


LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK WITH ESTIMATED LENGTH
	INLET AND PIPE PROTECTION

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EROSION AND SEDIMENT CONTROL PLAN MORGAN AVE. IMPROVEMENTS MARION, ILLINOIS	
Date	2/27/13
DR. By	TW
CK'D By	HGC
Scale	1"=20'
Job No.	08155
Sheet No.	20 of 45

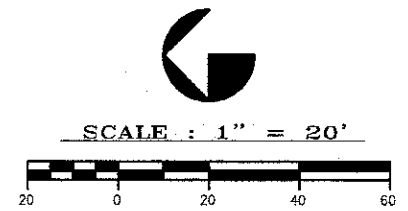
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	21
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394



LEGEND

- PERIMETER EROSION BARRIER
- PROPOSED OUCH CHECK WITH ESTIMATED LENGTH
- PROPOSED INLET AND PIPE PROTECTION



STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

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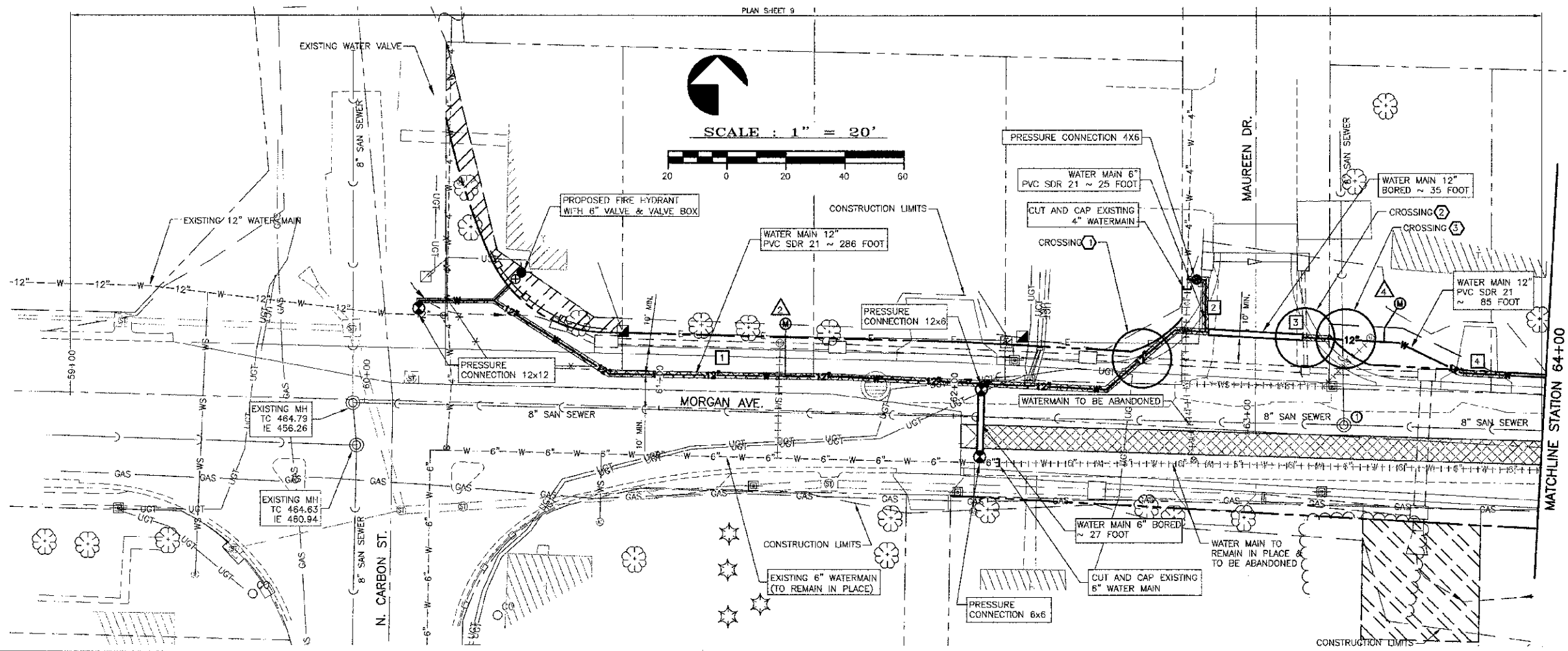
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 Marion, Illinois 62959
 Phone - (618)993-6411, Fax - (618)993-8750

EROSION AND SEDIMENT CONTROL PLAN
 MORGAN AVE. IMPROVEMENTS
 MARION, ILLINOIS

REVISIONS	DATE	NO.

Date: 2/27/13 DR. By: TW CK'D By: HGC
 Scale: 1"=20' Job No. 08155 Sheet No. 21 of 45

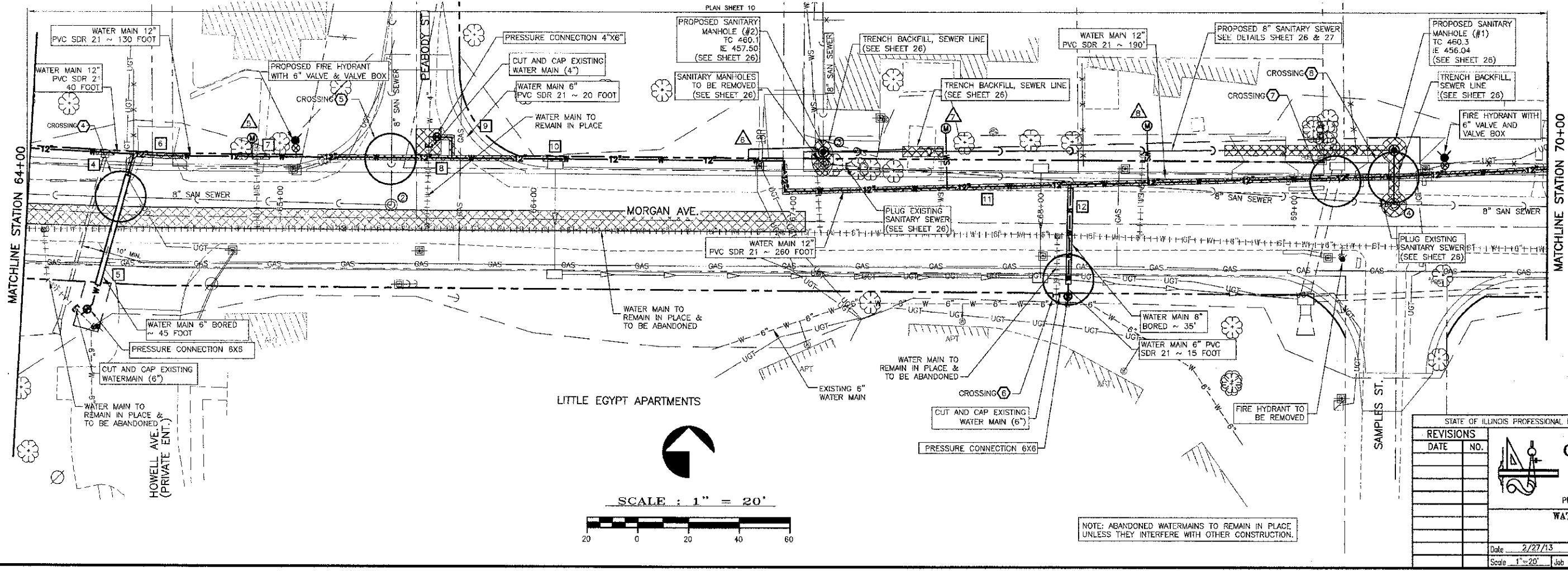
CONTRACT NO. 99394



LEGEND

- CROSSING*
- SANITARY MH TO BE ADJUSTED*
- TRENCH BACKFILL, WATERMAIN*
- WATER SERVICE *
- POWER POLE
- GUY ANCHOR
- LIGHT POLE
- ELECTRIC TRANSFORMER
- ELECTRIC PEDESTAL
- TELEPHONE PEDESTAL
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- SURFACE DRAIN
- STORM INLET
- PROP. SANITARY SEWER MANHOLE
- EXIST. SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN-OUT
- GAS METER
- GAS VALVE
- GAS REGULATOR
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- WS EXIST. WATER SERVICE LINE
- WS PROP. WATER SERVICE LINE
- W EXIST. WATER MAIN
- WATER MAIN TO BE ABANDONED
- PROP. WATER MAIN
- PROP. WATER MAIN BORED
- TRENCH BACKFILL, WATERMAIN *
- EXIST. STORM SEWER/CULVERT
- PROP. STORM SEWER
- EXIST. SANITARY SEWER
- PROP. SANITARY SEWER
- GAS UNDERGROUND GAS LINE

*SEE SCHEDULE SHEET 23



MATCHLINE STATION 70+00

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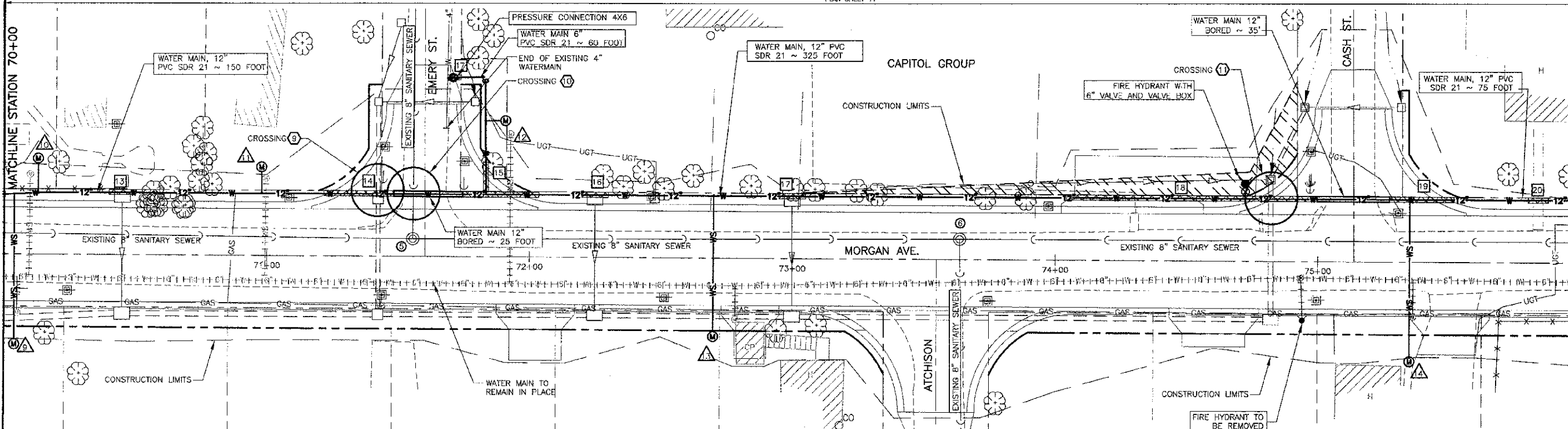
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WATER AND SEWER PLAN
 MORGAN AVE.
 MARION, ILLINOIS

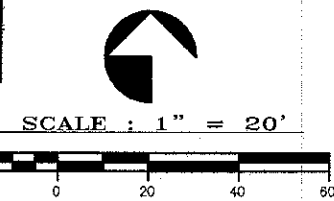
REVISIONS	DATE	NO.

Date: 2/27/13 DR. By: TW CKD By: HGC
 Scale: 1"=20' Job No.: 08155 Sheet No.: 22 of 45

NOTE: ABANDONED WATERMANS TO REMAIN IN PLACE UNLESS THEY INTERFERE WITH OTHER CONSTRUCTION.



MATCHLINE STATION 76+00



WATER MAIN CROSSINGS

STATION	NO.	GROUND EL.	ST. SEWER IE	ST. SEWER SIZE (INCH #)	CULVERT SIZE (INCH #)	SAN. SEWER IE	SAN. SEWER SIZE	TOP OF WATER PIPE	SIZE OF WATER PIPE (INCH #)	WATERMAIN CASING PIPE T8' # 12' #	WATERMAIN ADJUSTMENT	TRENCH BACKFILL, WATERMAIN (CU YD)
62+83 LT	1	462.3	458.71	45"X29"	NA	NA	NA	456.7	12"	24"	NA	6
63+18 LT	2	461.9	458.54	15"	NA	NA	NA	455.5	12"	22"	NA	9
63+33 LT	3	461.8	NA	NA	NA	457.57	8"	455.5	12"	22"	NA	0
64+35 LT	4	462.2	NA	NA	NA	457.79	8"	455.8	6"	NA	22"	18
65+44 LT	5	463.7	NA	NA	NA	458.22	8"	456.2	12"	22"	NA	12
68+11 LT	6	460.0	NA	NA	NA	456.85	8"	455.0	8"	NA	22"	4
69+17 LT	7	459.6	455.38	53"X34"	NA	NA	NA	453.4	12"	26"	NA	0
68+40 LT	8	459.5	NA	NA	NA	455.98	8"	453.5	12"	22"	NA	0
71+42 LT	9	461.7	459.12	12"	NA	NA	NA	453.0	12"	22"	NA	16
71+56 LT	10	461.8	NA	NA	NA	455.04	8"	453.0	12"	22"	NA	16
74+72 LT	11	460.1	458.42	18"	NA	NA	NA	456.4	12"	24"	NA	4
76+43 LT	12	461.3	NA	NA	NA	458.61	8"	456.6	12"	22"	NA	4
77+49 LT	13	461.8	458.48	24"	NA	NA	NA	456.4	12"	24"	NA	5
78+03 RT	14	460.5	458.83	12"	NA	NA	NA	456.8	12"	22"	NA	0
8+60 RT	15	459.5	456.31	NA	30" CULV.	NA	NA	454.3	6"	NA	NA	8
12+66 RT	16	457.4	455.34	NA	30" CULV.	NA	NA	432.3	1"	NA	NA	0

WATER SERVICES

SERVICE NO.	STATION	WATER SERV. LINE, 3/4"	WATER SERV. LINE, 3/4" BORED	WATER METER RELOCATED	WATER SERV. RECONNECTION
1	61+40 LT	20'	-	1	1
2	63+40 LT	20'	-	1	1
3	64+90 LT	10'	-	1	1
4	67+00 LT	32'	-	-	1
5	67+80 LT	22'	-	1	1
6	68+40 LT	22'	-	1	1
7	70+05 RT	20'	35'	1	1
8	70+10 LT	15'	-	1	1
9	71+00 LT	10'	-	1	1
10	71+95 LT	10'	-	1	1
11	72+75 RT	20'	35'	1	1
12	75+35 RT	20'	35'	1	1
13	76+10 LT	10'	-	1	1
14	76+30 RT	20'	35'	1	1
15	76+95 RT	20'	35'	1	1
16	7+10 RT	15'	35'	1	1
17	6+04 LT	35'	35'	1	1
18	6+10 RT	10'	-	1	1
19	7+70 LT	10'	-	1	1
20	7+72 LT	10'	-	1	1
21	7+74 LT	10'	-	1	1
22	9+58 LT	20'	35'	1	1
23	10+28 RT	30'	35'	1	1
24	10+98 RT	20'	35'	1	1
25	11+08 LT	15'	-	1	1
26	11+64 LT	15'	-	1	1
27	11+86 RT	40'	35'	1	1

SANITARY MANHOLES TO BE ADJUSTED/REMOVED

MANHOLE NO.	STATION	EXISTING T.C.	PROPOSED T.C.	EXISTING I.E.	ACTION
1	63+33 LT	462.25	462.75	457.45	RAISE T.C.
2	65+44 LT	463.80	461.27	458.14	LOWER T.C.
3	67+15 LT	462.95	-	457.48	REMOVE
4	69+40 LT	461.26	459.69	455.94	LOWER T.C.
5	71+56 LT	461.67	459.70	454.97	LOWER T.C.
6	73+84 LT	461.58	460.89	454.00	LOWER T.C.
7	76+42 LT	461.87	460.77	455.14	LOWER T.C.

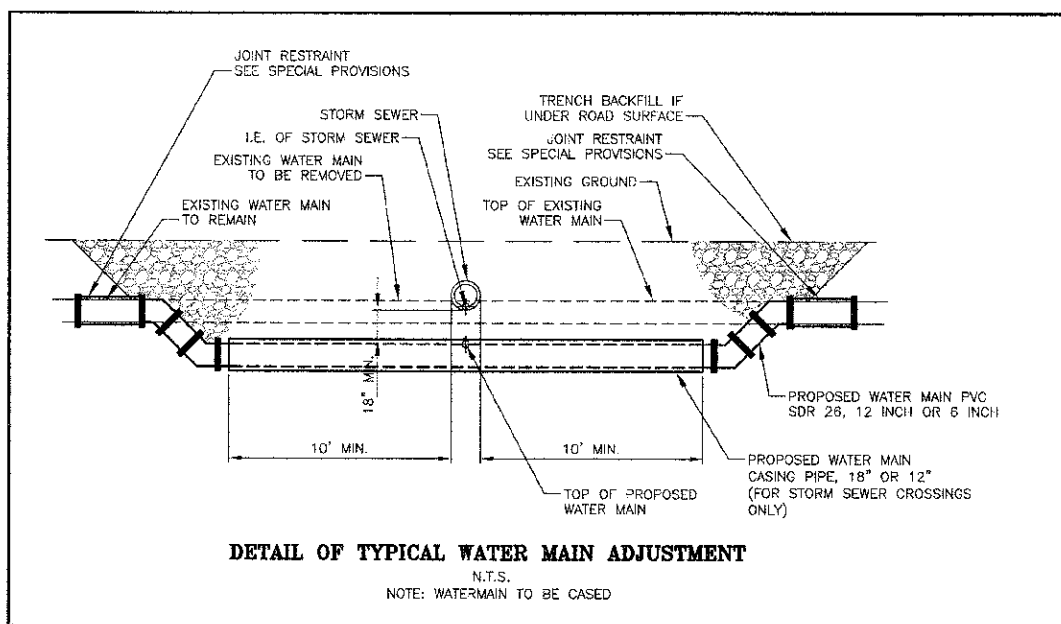
SEE SHEET 26 FOR SANITARY SEWER PLAN & PROFILE

NOTE: ABANDONED WATERMANS TO REMAIN IN PLACE UNLESS THEY INTERFERE WITH OTHER CONSTRUCTION.

LEGEND

- CROSSING*
- SANITARY MH TO BE ADJUSTED*
- TRENCH BACKFILL, WATERMAIN
- WATER SERVICE *
- POWER POLE
- GUY ANCHOR
- LIGHT POLE
- ELECTRIC TRANSFORMER
- ELECTRIC PEDESTAL
- TELEPHONE PEDESTAL
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- SURFACE DRAIN
- STORM INLET
- PROP. SANITARY SEWER MANHOLE
- EXIST. SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN-OUT
- GAS METER
- GAS VALVE
- GAS REGULATOR
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- EXIST. WATER SERVICE LINE
- PROP. WATER SERVICE LINE
- EXIST. WATER MAIN
- WATER MAIN TO BE ABANDONED
- PROP. WATER MAIN
- PROP. WATER MAIN BORED
- TRENCH BACKFILL, WATERMAIN *
- EXIST. STORM SEWER/CULVERT
- PROP. STORM SEWER
- EXIST. SANITARY SEWER
- PROP. SANITARY SEWER
- UNDERGROUND GAS LINE

*SEE SCHEDULE



DETAIL OF TYPICAL WATER MAIN ADJUSTMENT

N.T.S.
NOTE: WATERMAIN TO BE CASIED

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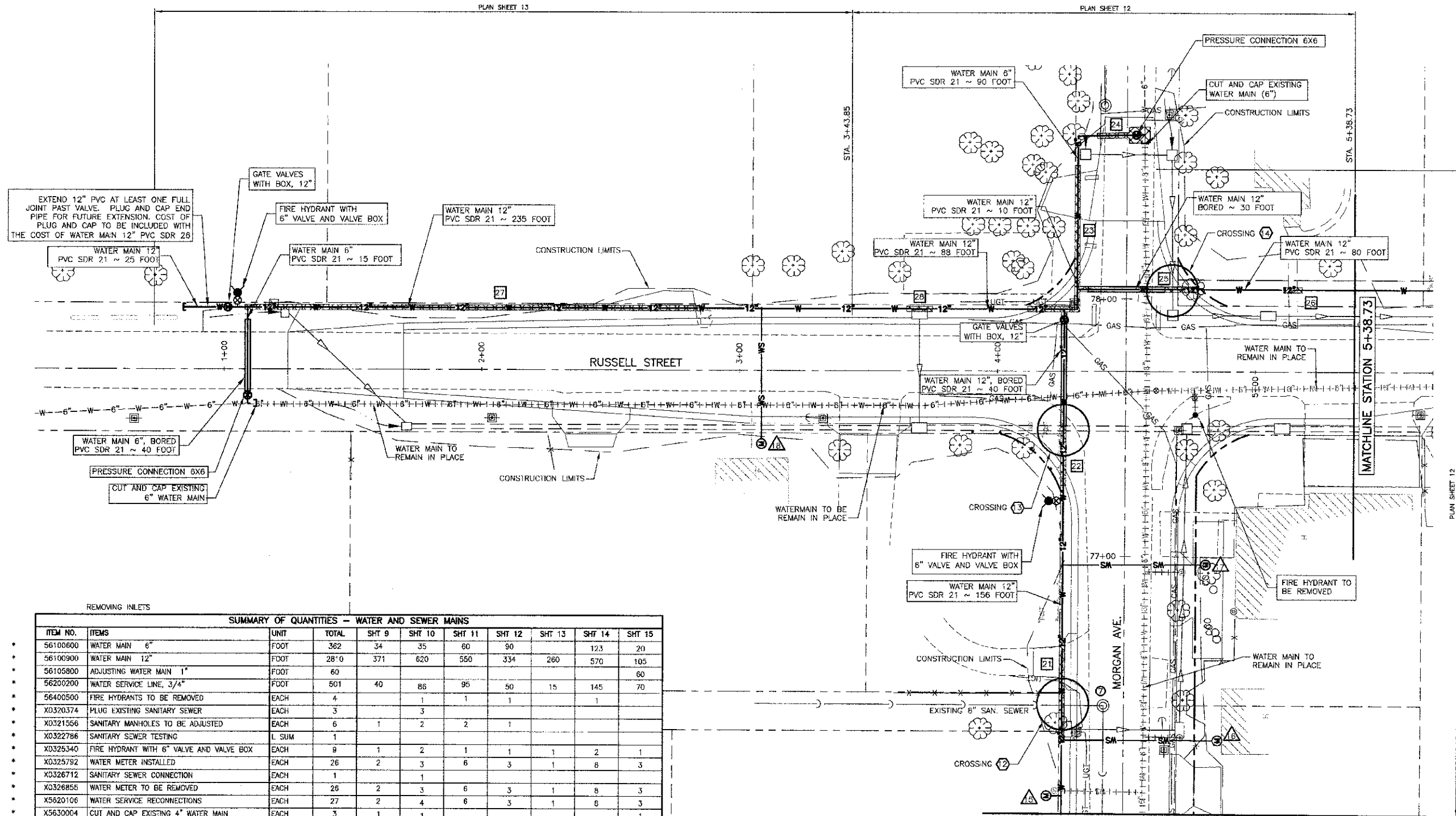
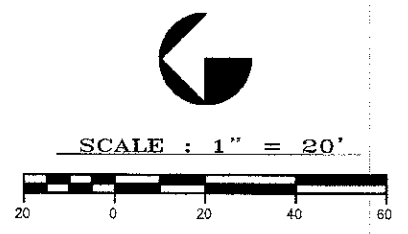
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Marion, Illinois 62959
Phone - (618)993-6411, Fax - (618)993-6750

WATER AND SEWER PLAN
MORGAN AVE.
MARION, ILLINOIS

REVISIONS	DATE	NO.

Date 2/27/13 DR. By TW CK'D By HGC
Scale 1"=20' Job No. 08155 Sheet No. 23 of 45

CONTRACT NO. 99394



LEGEND

	CROSSING*
	SANITARY MH TO BE ADJUSTED*
	TRENCH BACKFILL, WATERMAIN*
	WATER SERVICE *
	POWER POLE
	GUY ANCHOR
	LIGHT POLE
	ELECTRIC TRANSFORMER
	ELECTRIC PEDESTAL
	TELEPHONE PEDESTAL
	WATER VALVE
	WATER METER
	FIRE HYDRANT
	SURFACE DRAIN
	STORM INLET
	PROP. SANITARY SEWER MANHOLE
	EXIST. SANITARY SEWER MANHOLE
	SANITARY SEWER CLEAN-OUT
	GAS METER
	GAS VALVE
	GAS REGULATOR
	UNDERGROUND ELECTRIC
	UGT UNDERGROUND TELEPHONE
	EXIST. WATER SERVICE LINE
	PROP. WATER SERVICE LINE
	EXIST. WATER MAIN
	WATER MAIN TO BE ABANDONED
	PROP. WATER MAIN
	PROP. WATER MAIN BORED
	TRENCH BACKFILL, WATERMAIN *
	EXIST. STORM SEWER/CULVERT
	PROP. STORM SEWER
	EXIST. SANITARY SEWER
	PROP. SANITARY SEWER
	UNDERGROUND GAS LINE

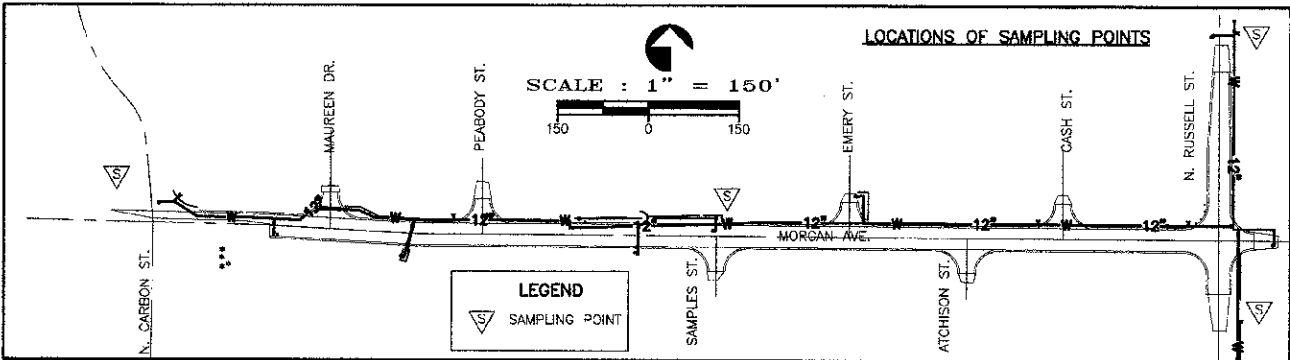
*SEE SCHEDULE SHEET 23
NOTE: ABANDONED WATERMAINS TO REMAIN IN PLACE UNLESS THEY INTERFERE WITH OTHER CONSTRUCTION.

REMOVING INLETS

SUMMARY OF QUANTITIES - WATER AND SEWER MAINS

ITEM NO.	ITEMS	UNIT	TOTAL	SHT 9	SHT 10	SHT 11	SHT 12	SHT 13	SHT 14	SHT 15
56100600	WATER MAIN 6"	FOOT	362	34	35	60	90	123	20	
56100900	WATER MAIN 12"	FOOT	2870	371	620	550	334	260	570	105
56105800	ADJUSTING WATER MAIN 1"	FOOT	60							60
56200200	WATER SERVICE LINE, 3/4"	FOOT	501	40	86	95	50	15	145	70
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	4		1	1	1			1
X0320374	PLUG EXISTING SANITARY SEWER	EACH	3		3					
X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	6	1	2	2	1			
X0322786	SANITARY SEWER TESTING	L SUM	1							
X0325340	FIRE HYDRANT WITH 6" VALVE AND VALVE BOX	EACH	9	1	2	1	1	1	2	1
X0325792	WATER METER INSTALLED	EACH	26	2	3	6	3	1	8	3
X0326712	SANITARY SEWER CONNECTION	EACH	1		1					
X0326856	WATER METER TO BE REMOVED	EACH	26	2	3	6	3	1	8	3
X5620106	WATER SERVICE RECONNECTIONS	EACH	27	2	4	6	3	1	8	3
X5630004	CUT AND CAP EXISTING 4" WATER MAIN	EACH	3	1	1					1
X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	6	1	2		1	1		1
X6022810	MANHOLES, SANITARY, 4" DIA. TY 1 FR., CL. LID	EACH	2		2					
X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	1		1					
XX001386	SANITARY SEWER PVC (C-900) 8"	FOOT	247		247					
XX005789	RECONNECT SANITARY SERVICE LATERAL 4"	EACH	2		2					
XX005690	DETECTION WIRE	FOOT	4530	507	821	870	614	350	1043	325
XX006537	WATER SERVICE LINE 3/4", BORED	FOOT	385			105	70	35	140	35
Z0044400	PRESSURE CONNECTION 4" X 6"	EACH	4	1	1	1				1
Z0044500	PRESSURE CONNECTION 6" X 6"	EACH	5		2		1	1		1
Z0045000	PRESSURE CONNECTION 12" X 6"	EACH	1	1						
Z0045100	PRESSURE CONNECTION 12" X 12"	EACH	1	1						
	GATE VALVES, 6", WITH VALVE BOX	EACH	1						1	
	GATE VALVES, 12", WITH VALVE BOX	EACH	3				1	1		1
	WATER MAIN 12", BORED	FOOT	230	35		60	70			65
	WATER MAIN 6", BORED	FOOT	182	27	80			40	35	
	WATER MAIN CASING, 12"	FOOT	44		44					
	WATER MAIN CASING, 18"	FOOT	274	68	70	68	68			

* SEE SPECIAL PROVISIONS



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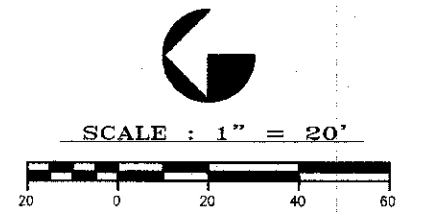
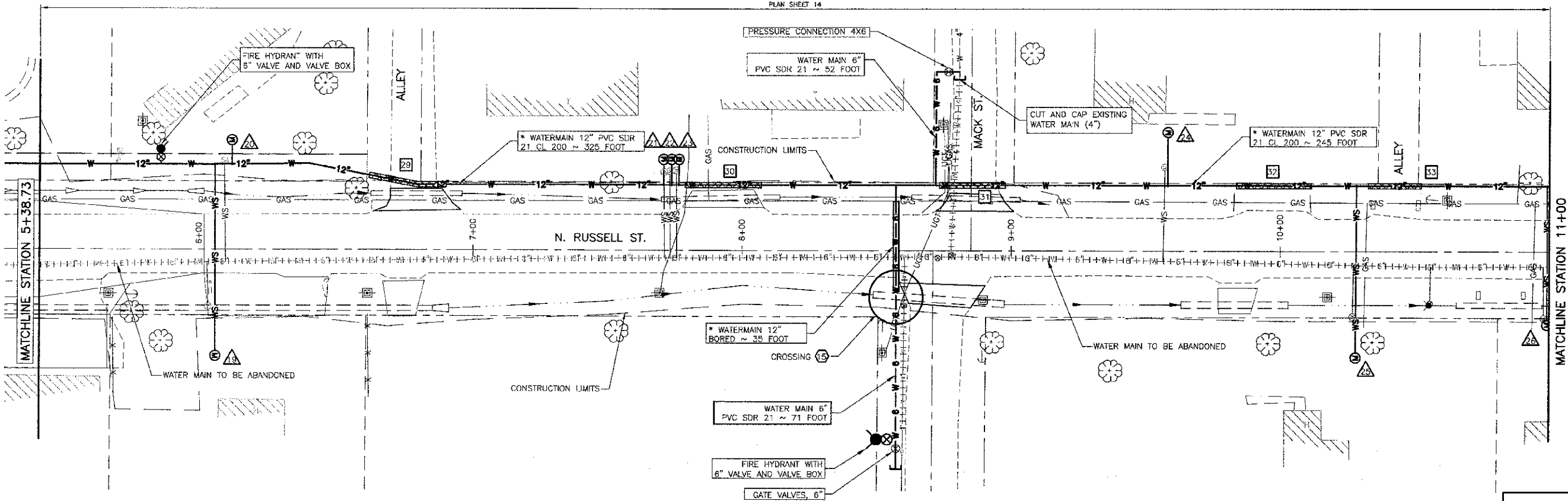
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308 South Court St, P.O. Box 937
Marion, Illinois 62959
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WATER AND SEWER PLAN
MORGAN AVE.
MARION, ILLINOIS

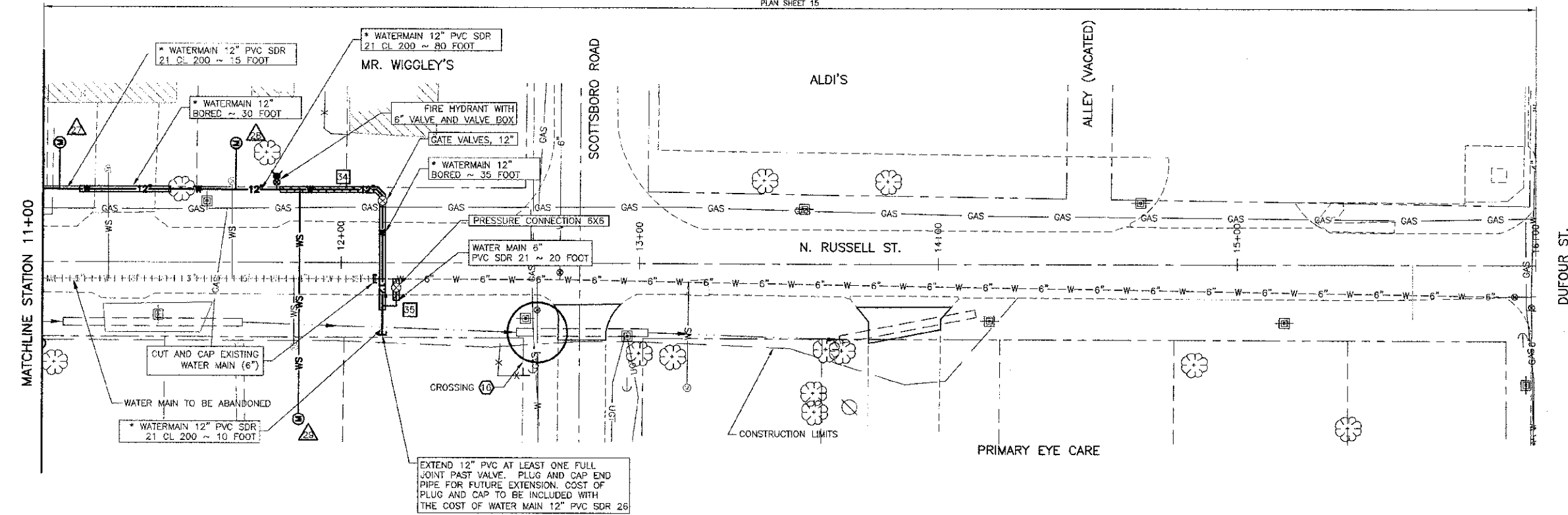
Date	2/27/13	DR. By	TW	CK'D By	HGC
Scale	1"=20'	Job No.	08155	Sheet No.	24 of 45

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	25
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394



PLAN SHEET 15

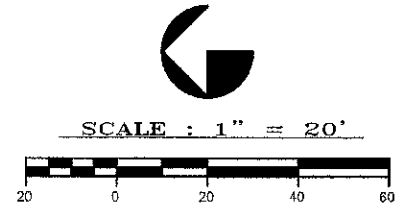


LEGEND

- CROSSING*
- SANITARY MH TO BE ADJUSTED*
- TRENCH BACKFILL, WATERMAIN*
- WATER SERVICE *
- POWER POLE
- GUY ANCHOR
- LIGHT POLE
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- WS PROP. WATER SERVICE LINE
- W EXIST. WATER MAIN
- W WATER MAIN TO BE ABANDONED
- W PROP. WATER MAIN
- W PROP. WATER MAIN BORED
- TRENCH BACKFILL, WATERMAIN *
- EX-ST. STORM SEWER/CULVERT
- SS PROP. STORM SEWER
- SS EXIST. SANITARY SEWER
- SS PROP. SANITARY SEWER
- GAS UNDERGROUND GAS LINE

*SEE SCHEDULE SHEET 23

NOTE: ABANDONED WATERMANS TO REMAIN IN PLACE UNLESS THEY INTERFERE WITH OTHER CONSTRUCTION.
 AREAS OF WATERMAIN INSTALLATION DESIGNATED WITH AN ASTERISK (*) SHALL BE INSTALLED AT 42" BELOW GRADE.



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WATER AND SEWER PLAN
 MORGAN AVE.
 MARION, ILLINOIS

REVISIONS	DATE	NO.

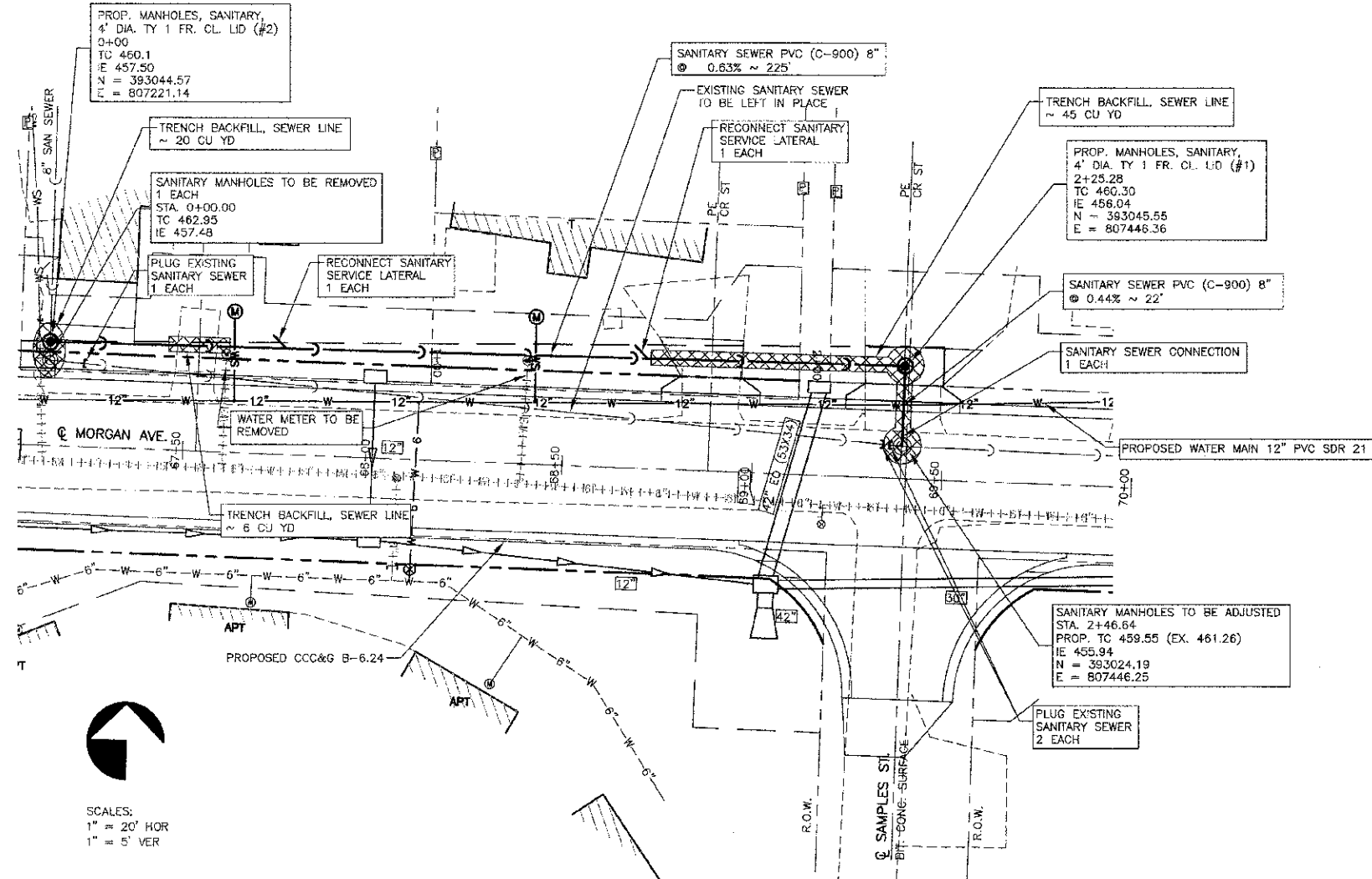
Date: 2/27/13 DR. By: TW CK'D By: HGC
 Scale: 1"=20' Job No.: 08153 Sheet No.: 25 of 45

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	26
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394

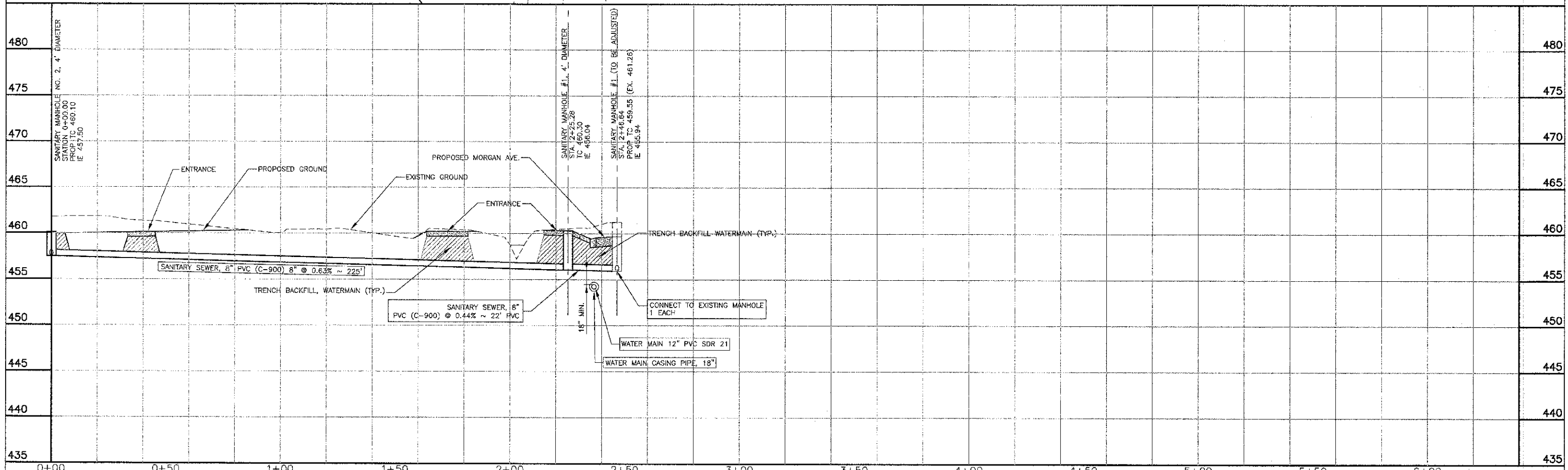
SEE SHEET 23 FOR DETAILS OF SANITARY MANHOLES TO BE ADJUSTED

SEE SHEET 24 FOR SANITARY SEWER QUANTITIES

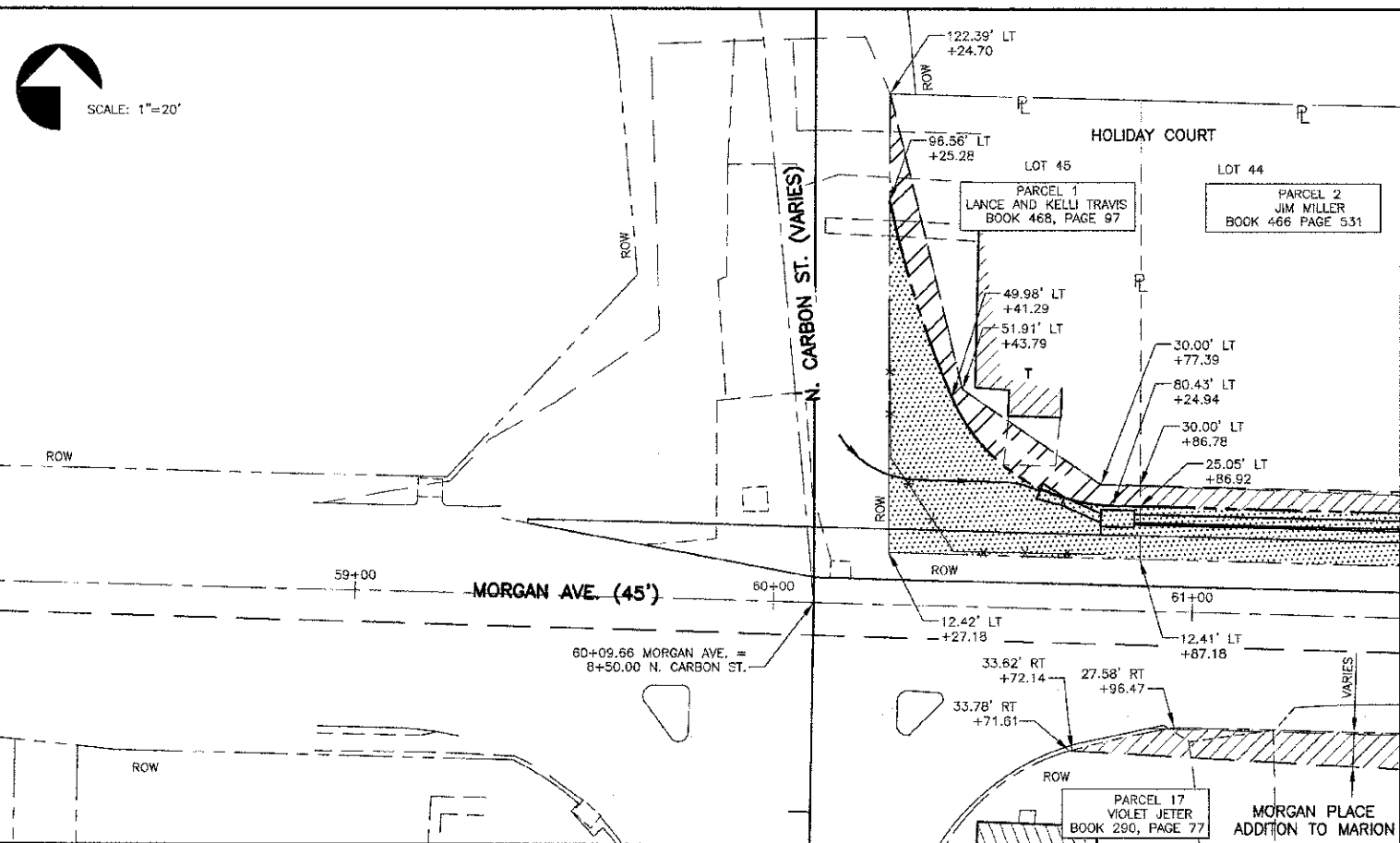


NOTE: ABANDONED SANITARY SEWER TO REMAIN IN PLACE UNLESS IT INTERFERES WITH OTHER CONSTRUCTION

SCALES:
1" = 20' HOR
1" = 5' VER



CONTRACT NO. 99394(017)

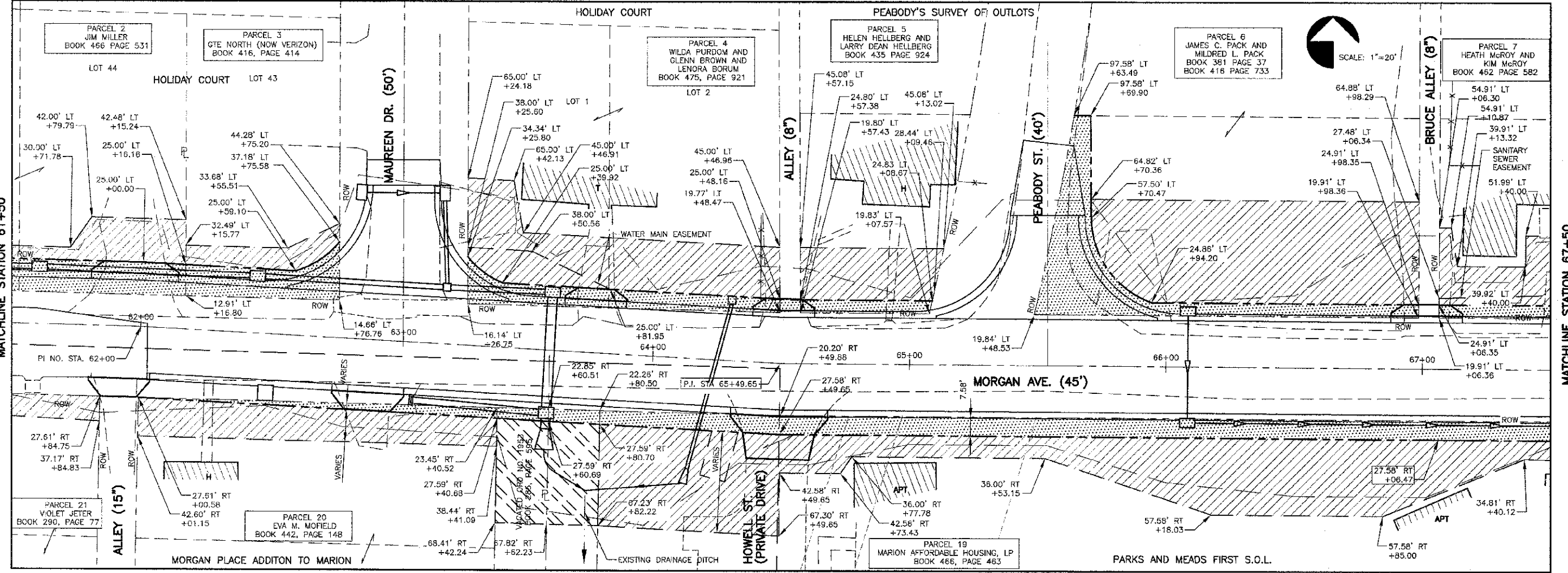


LEGEND

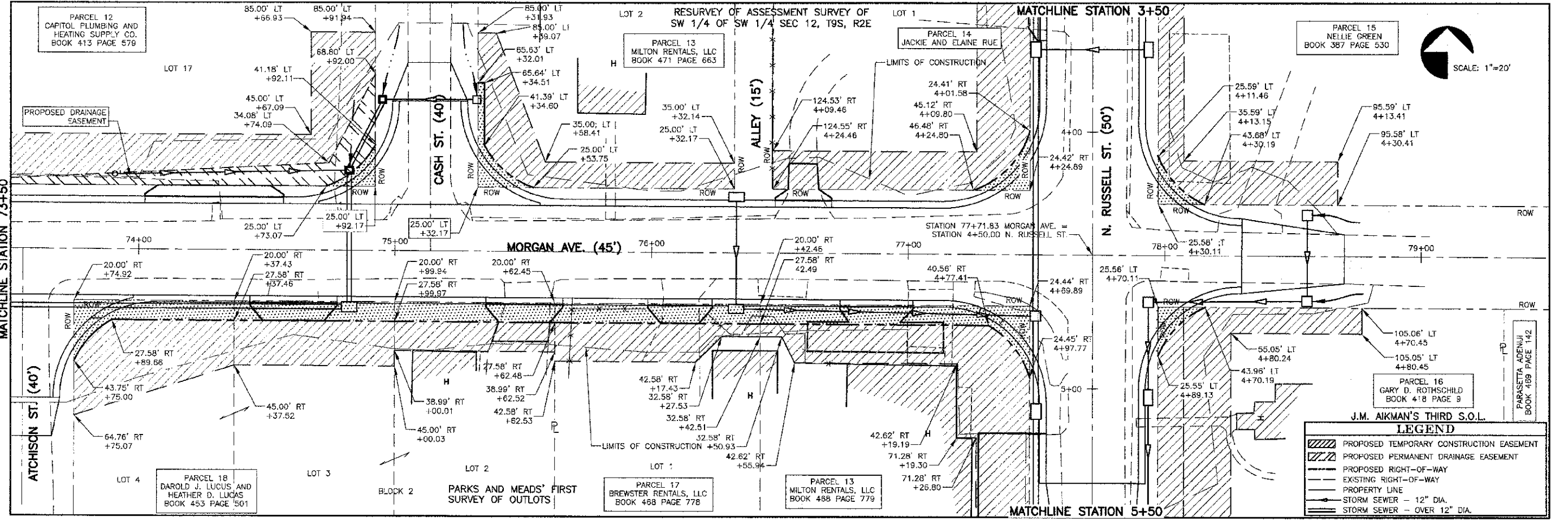
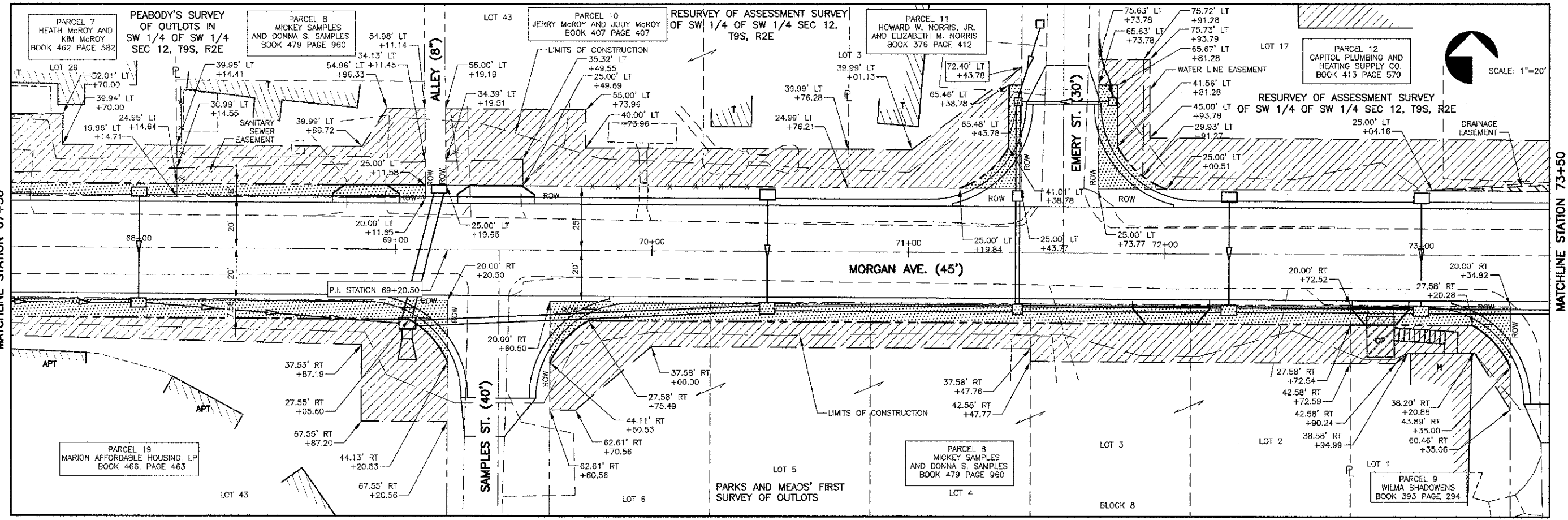
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED PERMANENT DRAINAGE EASEMENT
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPERTY LINE
- STORM SEWER - 12" DIA.
- STORM SEWER - OVER 12" DIA.

SUMMARY OF EASEMENTS

PARCEL NO.	OWNER	DEED NO.	RIGHT-OF-WAY ACRES	CONSTRUCTION EASEMENT ACRES	DRAINAGE EASEMENT ACRES	WATER MAIN EASEMENT ACRES	SANITARY SEWER EASEMENT ACRES
1	LANCE AND KELLI TRAVIS	488/97	0.151	NA	NA	NA	NA
2	JIM MILLER	466/831	0.037	0.026	NA	NA	NA
3	GTE NORTH (VERIZON)	416/414	0.017	0.012	NA	NA	NA
4	WILDA PURDOM	475/921	0.021	0.053	NA	0.011	NA
5	HELEN AND LARRY DEAN HELLBERG	435/924	0.006	0.025	NA	NA	NA
6	JAMES C. AND MILDRED L. PACK	381/37	0.044	0.113	NA	NA	NA
7	HEATH AND KIM McROY	486/882	0.012	0.029	NA	NA	0.011
8	MICKEY AND DONNA S. SAMPLES	479/986	0.067	0.121	NA	NA	0.017
9	WILMA SHADOWENS	407/407	0.013	0.019	NA	NA	NA
10	JERRY AND JUDY McROY	376/412	NA	0.066	NA	NA	0.007
11	HOWARD W. AND ELIZABETH M. NORRIS	413/976	0.007	0.032	NA	NA	NA
12	CAPITOL PLUMBING AND HEATING SUPPLY CO.	471/663	0.012	0.145	0.026	0.011	NA
13	MILTON RENTALS, LLC	468/779	0.025	0.112	NA	NA	NA
14	JACKIE AND ELAINE RUE	430/472	0.004	0.145	NA	NA	NA
15	HELLIE GREEN	387/530	0.003	0.046	NA	NA	NA
16	GARY D. ROTHSCHILD	418/9	0.003	0.054	NA	0.019	NA
17	BREWSTER RENTALS, LLC	468/778	0.014	0.023	NA	NA	NA
18	DAROLD J. AND HEATHER D. LUCAS	453/501	0.036	0.078	NA	NA	NA
19	MARION AFFORDABLE HOUSING, LP	468/483	0.096	0.244	0.018	NA	NA
20	EVA M. MOFIELD	442/148	0.009	0.042	0.019	NA	NA
21	VIOLET JETER	290/77	NA	0.019	NA	NA	NA
22	JOHN R. HAMILTON	472/95 T1 472/659 T2 460/375 T2 457/781 T3 483/431 T4	NA	0.198	NA	NA	NA
23	JAMES W. BARNWELL	403/6	NA	0.033	NA	0.022	NA
24	JUANITA SAMUELS	419/416	NA	0.044	NA	NA	NA
25	JAMES A. HANCOCK	480/855	NA	0.031	NA	NA	NA
26	LINDA K. OLIVER	428/156	NA	0.044	NA	NA	NA
28	RICHARD C. AND PHOEBE BURSUA	383/813	NA	0.041	NA	NA	NA



CONTRACT NO. 99394

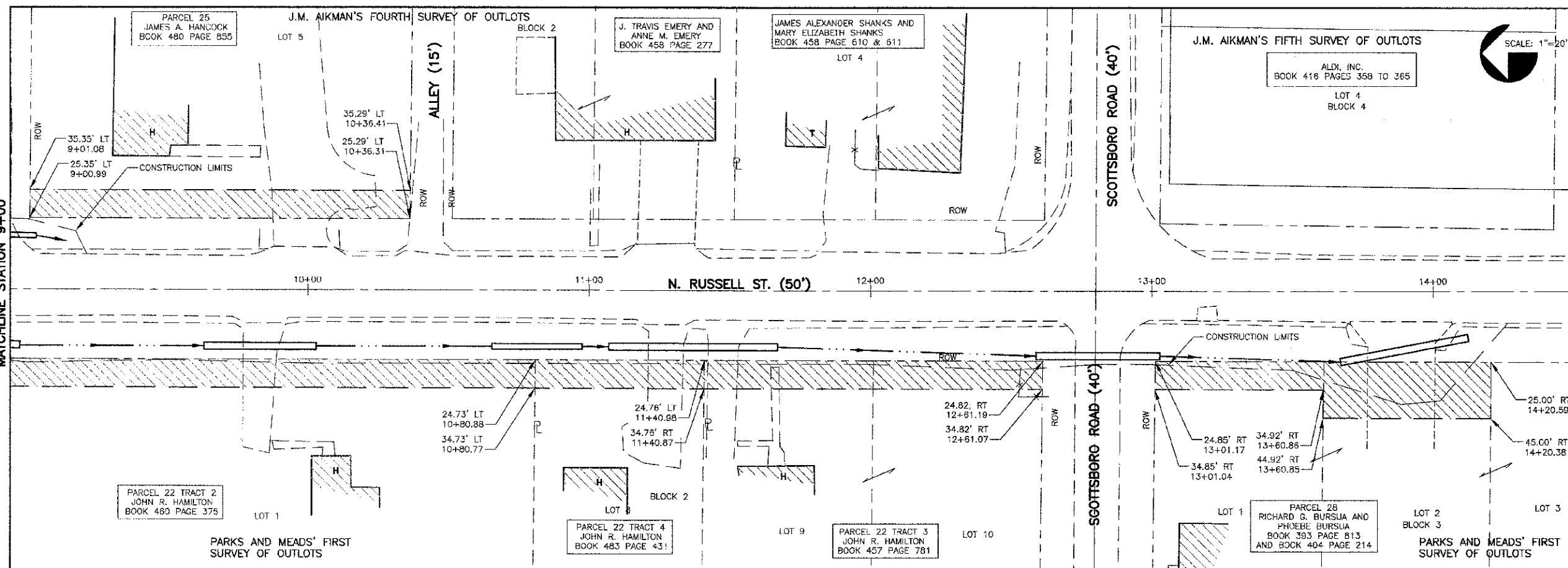
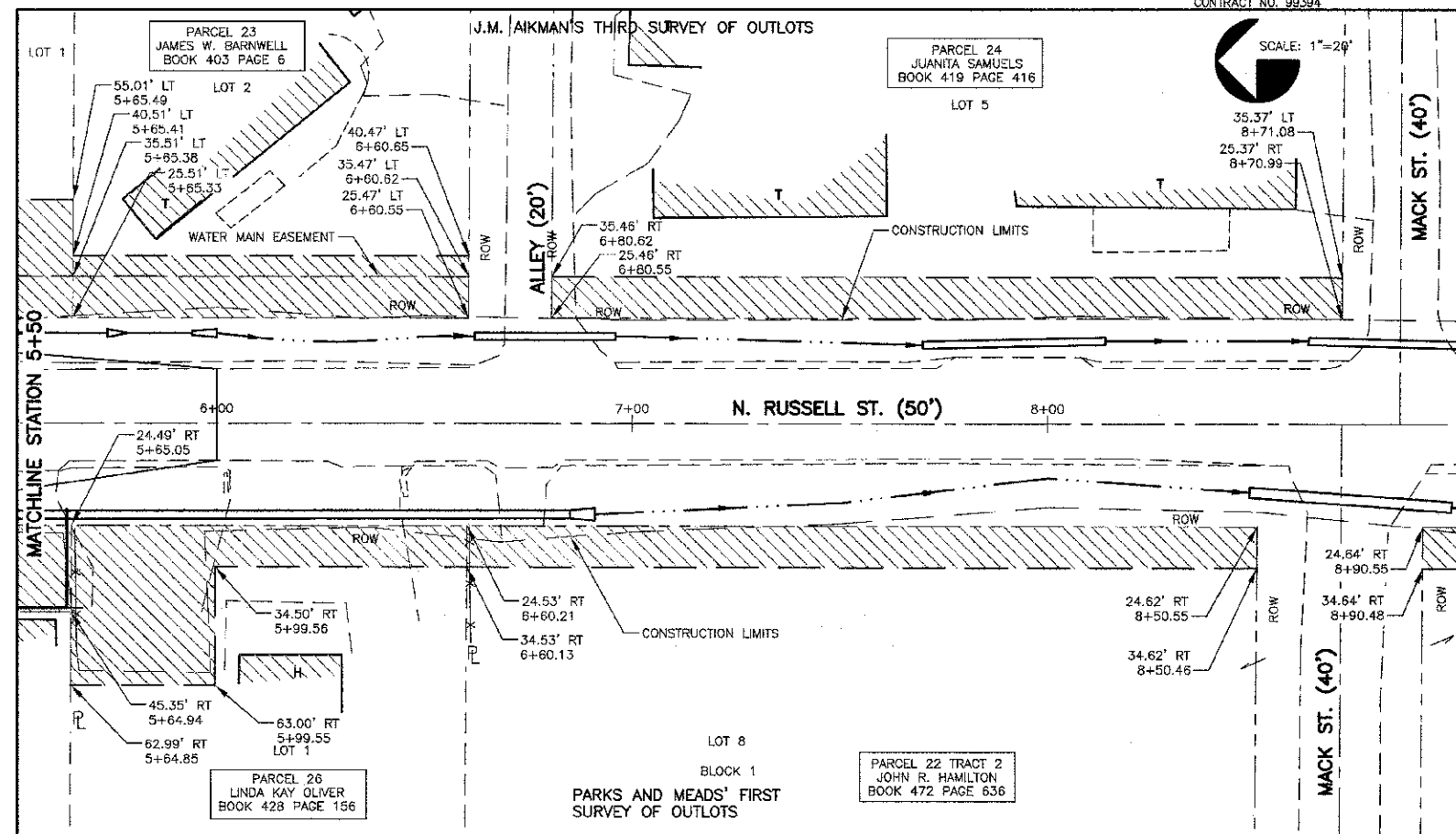
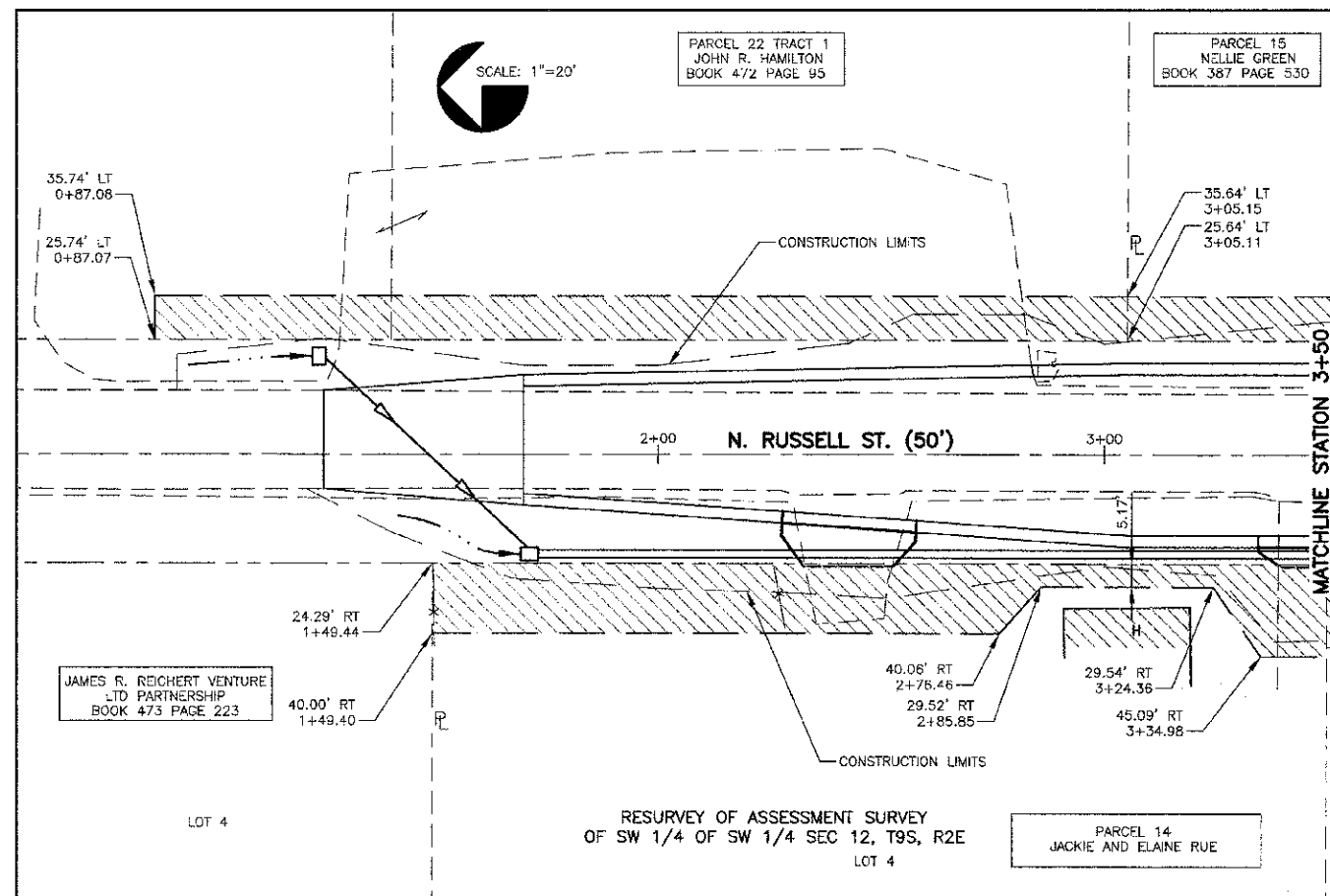


J.M. AIKMAN'S THIRD S.O.L.

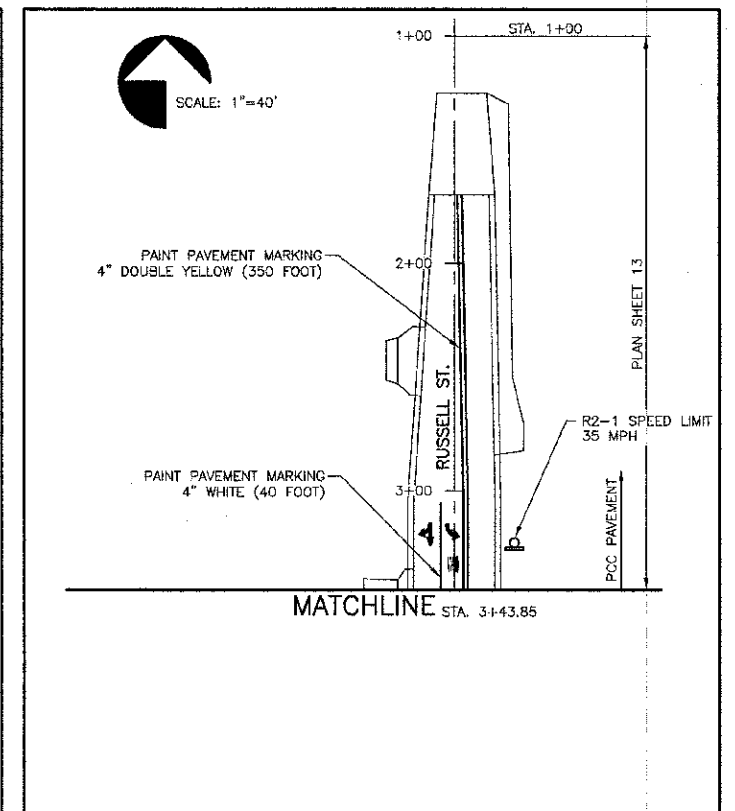
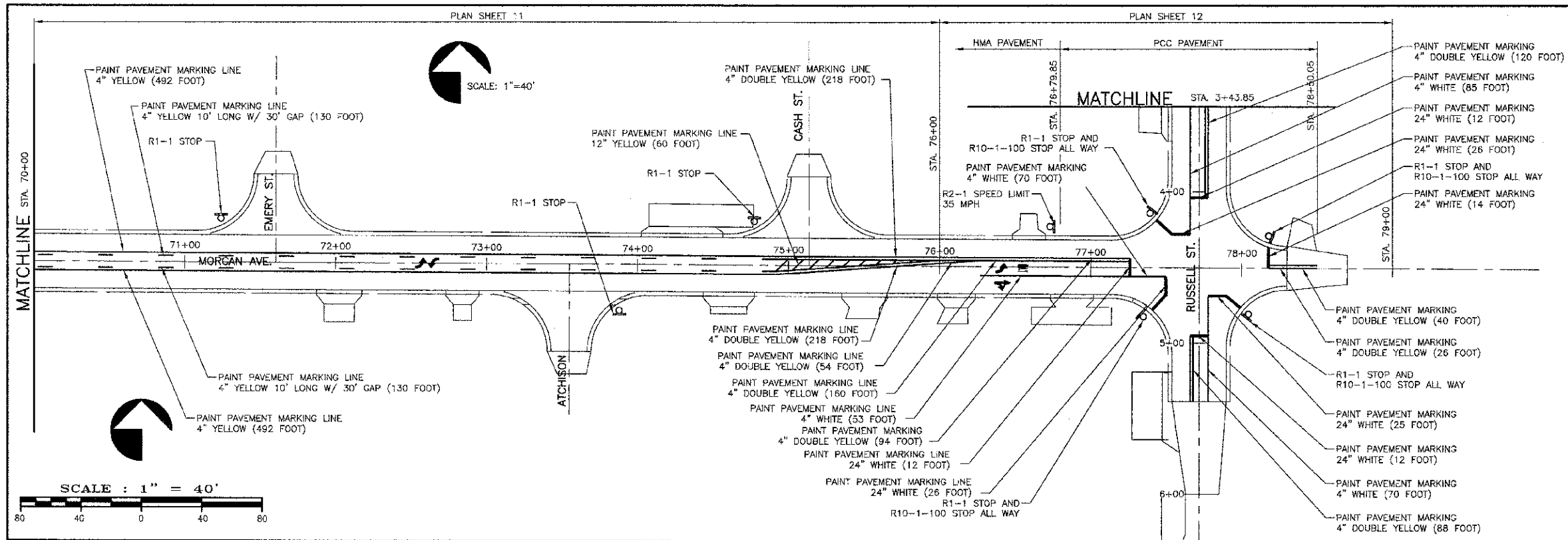
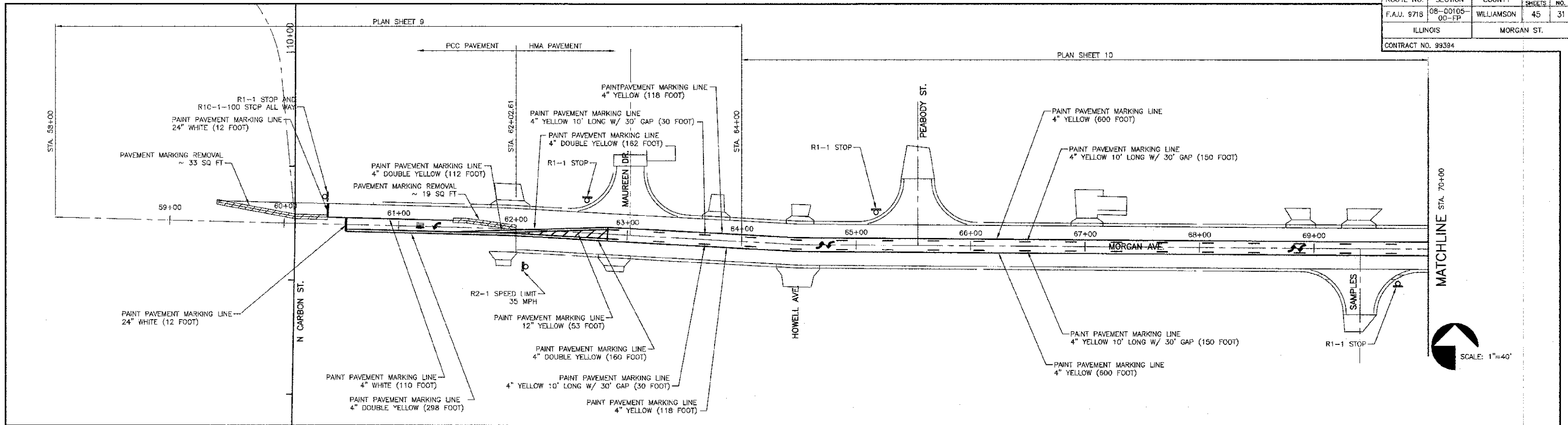
LEGEND

- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED PERMANENT DRAINAGE EASEMENT
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
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- STORM SEWER - 12" DIA.
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CONTRACT NO. 99394



LEGEND	
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED PERMANENT DRAINAGE EASEMENT
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	PROPERTY LINE
	STORM SEWER - 12" DIA.
	STORM SEWER - OVER 12" DIA.



LOCATION	DESCRIPTION	SIGN PANEL TYPE 1	SQ. FT.	METAL POST TYPE B	LOCATION	DESCRIPTION	SIGN PANEL TYPE 1	SQ. FT.	METAL POST TYPE B
60+38 LT	STOP 30"x30"	R1-1	6.25	14 FOOT	76+75 LT	SPEED LIMIT 35 - 24"x30"	R2-1	5.0	12 FOOT
	STOP ALL WAY 18"x6"	R1-3P	0.75		77+34 RT	STOP 30"x30"	R1-1	6.25	14 FOOT
62+10 RT	SPEED LIMIT 35 - 24"x30"	R2-1	5.0	12 FOOT	77+40 LT	STOP 30"x30"	R1-1	6.25	14 FOOT
62+63 LT	STOP 30"x30"	R1-1	6.25	12 FOOT		STOP ALL WAY 18"x6"	R1-3P	0.75	
65+17 LT	STOP 30"x30"	R1-1	6.25	12 FOOT	78+03 RT	STOP 30"x30"	R1-1	6.25	14 FOOT
69+74 RT	STOP 30"x30"	R1-1	6.25	12 FOOT		STOP ALL WAY 18"x6"	R1-3P	0.75	
71+24 LT	STOP 30"x30"	R1-1	6.25	12 FOOT	78+20 LT	STOP 30"x30"	R1-1	6.25	14 FOOT
73+88 RT	STOP 30"x30"	R1-1	6.25	12 FOOT		STOP ALL WAY 18"x6"	R1-3P	0.75	
74+77 LT	STOP 30"x30"	R1-1	6.25	12 FOOT	03+25 LT	SPEED LIMIT 35 - 24"x30"	R2-1	5.0	12 FOOT

LOCATION	DESCRIPTION	PAINT SQ. FT.	LOCATION	DESCRIPTION	PAINT SQ. FT.
61+19	"ONLY"	20.8	03+18 RT	COMBINATION RIGHT AND THROUGH ARROWS	26.0
61+34	LEFT TURN ARROW	15.6	03+18	LEFT TURN ARROW	15.6
67+73	LT & RT TURN ARROWS	31.2	03+33	"ONLY"	20.8
68+85	LT & RT TURN ARROWS	31.2	76+40 RT	COMBINATION RIGHT AND THROUGH ARROWS	26.0
72+60	LT & RT TURN ARROWS	31.2	76+40	LEFT TURN ARROW	15.6
			76+55	"ONLY"	20.8

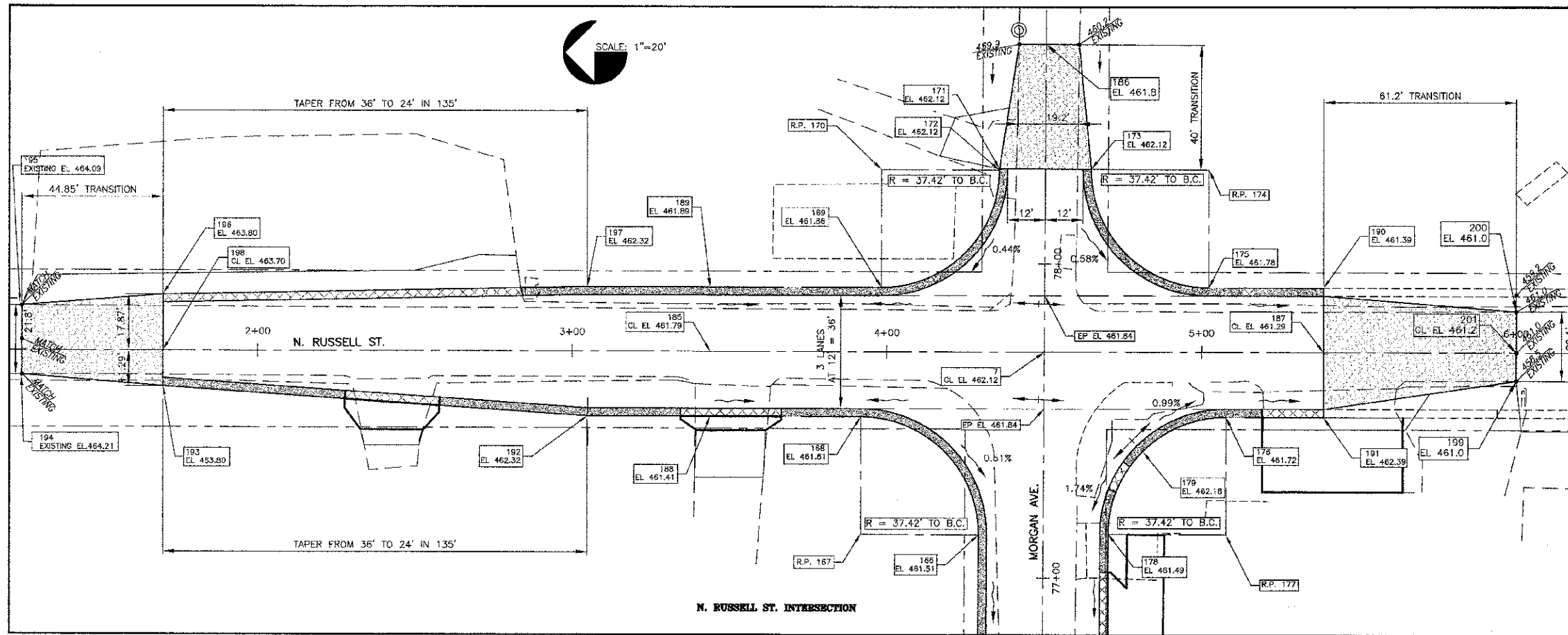
LINE	PAINT	
	YELLOW	WHITE
4"	5193	428
6"	0	0
12"	113	0
24"	0	151

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515
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CLARIDA & ZIEGLER ENGINEERING CO.
 308 South Court St, P.O. Box 937
 Marion, Illinois 62959
 Phone - (618)993-6411, Fax - (618)993-6750

PAVEMENT MARKING AND SIGNS
 MORGAN AVENUE IMPROVEMENTS
 MARION, ILLINOIS

Date: 2/27/13 DR. By: TDE CK'D By: W52
 Scale: 1"=40' Job No.: 08155 Sheet No.: 31 of 45

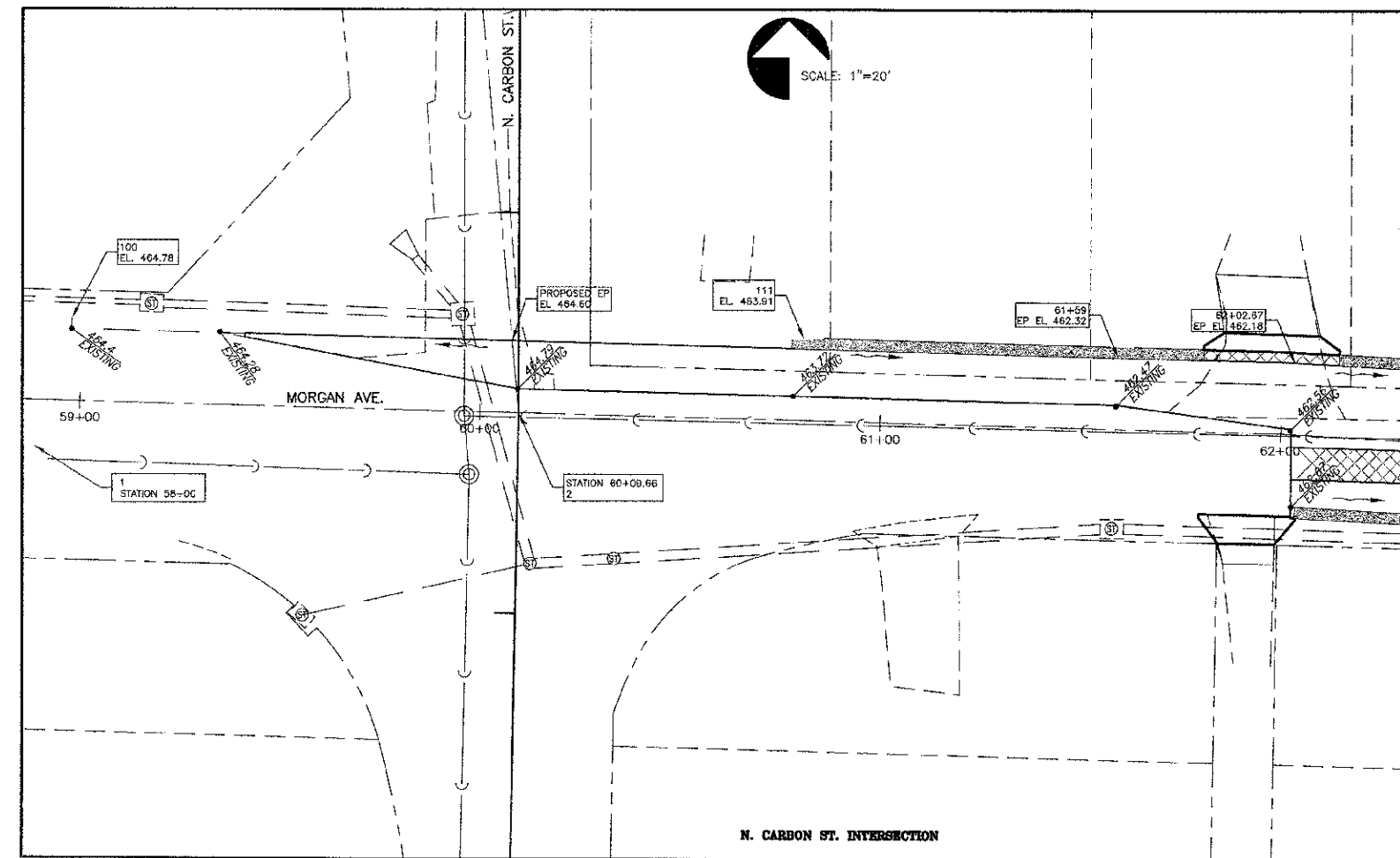
CONTRACT NO. 99394



MORGAN AVE. STATIONING

STAKEOUT POINTS

NO.	STATION	OFFSET	NORTHING	EASTING
1	58+00.00	0.00	393042.62	806307.35
2	60+09.66	0.00	393037.35	806516.95
3	61+97.77	0.00	393032.63	806705.00
4	64+49.65	0.00	393018.80	806956.50
5	67+01.54	0.00	393017.11	807208.38
6	69+20.50	0.00	393015.64	807427.34
7	71+71.83	0.00	393011.37	808278.65
8	74+00.00	0.00	393010.72	808406.82
9	77+00.00	0.00	393010.57	808461.37
10	77+75.41	830.00 L	392181.35	808278.07
11	77+77.06	1149.99 R	391861.37	808278.11
110	80+80.33	68.00 L	393103.56	806589.30
112	82+47.44	20.58 L	393050.51	806755.73
113	82+47.44	58.00 L	393087.87	806757.80
114	83+13.93	59.97 L	393087.77	806795.22
115	83+13.93	61.50 L	393087.70	806824.38
116	83+14.22	56.03 L	393082.22	806824.36
117	83+51.59	58.00 L	393082.12	806861.78
118	83+51.59	20.58 L	393050.51	806755.73
119	83+02.57	0.00 R	393087.74	806809.80
120	82+99.37	80.74 L	393076.45	807008.44
121	83+01.46	58.10 R	393076.45	807008.44
122	83+01.46	58.10 R	393076.45	807008.44
123	83+01.46	58.10 R	393076.45	807008.44
124	83+01.46	58.10 R	393076.45	807008.44
125	83+01.46	58.10 R	393076.45	807008.44
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140	83+01.46	58.10 R	393076.45	807008.44
141	83+01.46	58.10 R	393076.45	807008.44
142	83+01.46	58.10 R	393076.45	807008.44
143	83+01.46	58.10 R	393076.45	807008.44
144	83+01.46	58.10 R	393076.45	807008.44
145	83+01.46	58.10 R	393076.45	807008.44
146	83+01.46	58.10 R	393076.45	807008.44
147	83+01.46	58.10 R	393076.45	807008.44
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164	83+01.46	58.10 R	393076.45	807008.44
165	83+01.46	58.10 R	393076.45	807008.44
166	83+01.46	58.10 R	393076.45	807008.44
167	83+01.46	58.10 R	393076.45	807008.44
168	83+01.46	58.10 R	393076.45	807008.44
169	83+01.46	58.10 R	393076.45	807008.44
170	83+01.46	58.10 R	393076.45	807008.44
171	83+01.46	58.10 R	393076.45	807008.44
172	83+01.46	58.10 R	393076.45	807008.44
173	83+01.46	58.10 R	393076.45	807008.44
174	83+01.46	58.10 R	393076.45	807008.44
175	83+01.46	58.10 R	393076.45	807008.44
176	83+01.46	58.10 R	393076.45	807008.44
177	83+01.46	58.10 R	393076.45	807008.44
178	83+01.46	58.10 R	393076.45	807008.44
179	83+01.46	58.10 R	393076.45	807008.44
180	83+01.46	58.10 R	393076.45	807008.44
181	83+01.46	58.10 R	393076.45	807008.44
182	83+01.46	58.10 R	393076.45	807008.44
183	83+01.46	58.10 R	393076.45	807008.44
184	83+01.46	58.10 R	393076.45	807008.44
185	83+01.46	58.10 R	393076.45	807008.44
186	83+01.46	58.10 R	393076.45	807008.44
187	83+01.46	58.10 R	393076.45	807008.44



N. RUSSELL ST. STATIONING

STAKEOUT POINTS

NO.	STATION	OFFSET	NORTHING	EASTING
185	3+43.85	0.00 L	393117.51	808278.73
187	5+38.73	0.00 L	392922.64	808278.99
186	3+43.85	0.00 R	393117.51	808278.73
188	3+43.85	20.58 L	393117.53	808258.15
189	3+43.85	20.58 L	393117.50	808299.31
190	5+38.73	20.58 R	392922.62	808299.17
191	5+38.73	20.58 R	392922.65	808258.01
192	3+04.79	20.58 R	393156.59	808258.17
193	1+69.85	11.29 R	393291.53	808267.56
194	1+25.00	7.65 R	393336.37	808271.23
195	1+25.00	14.32 L	393336.36	808293.20
196	1+69.85	17.87 L	393291.51	808296.72
197	3+04.79	20.58 L	393156.56	808299.33
198	1+69.85	0.00 R	393291.52	808278.85
199	6+00.00	8.91 L	392861.37	808268.63
200	6+00.00	13.15 L	392861.38	808291.69
201	6+00.00	0.00 L	392861.37	808278.55

NOTE: UNLESS OTHERWISE NOTED, COORDINATE POINTS AND ELEVATIONS ARE TO BACK OF CURB.

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

REVISIONS

DATE	NO.

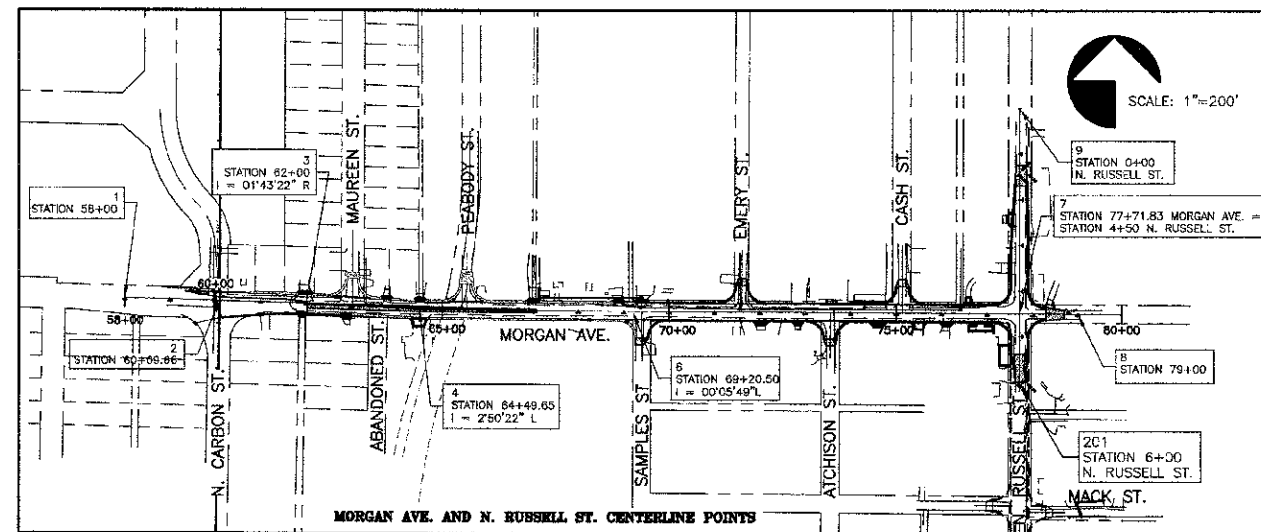
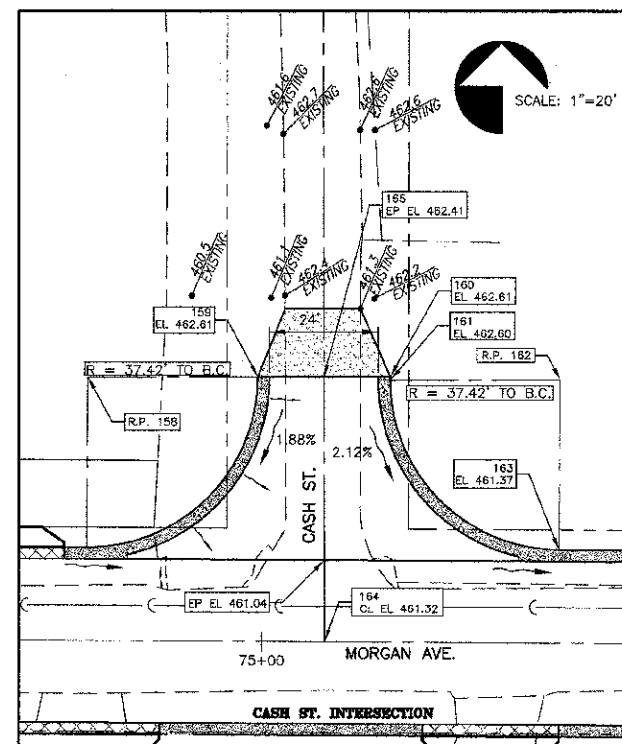
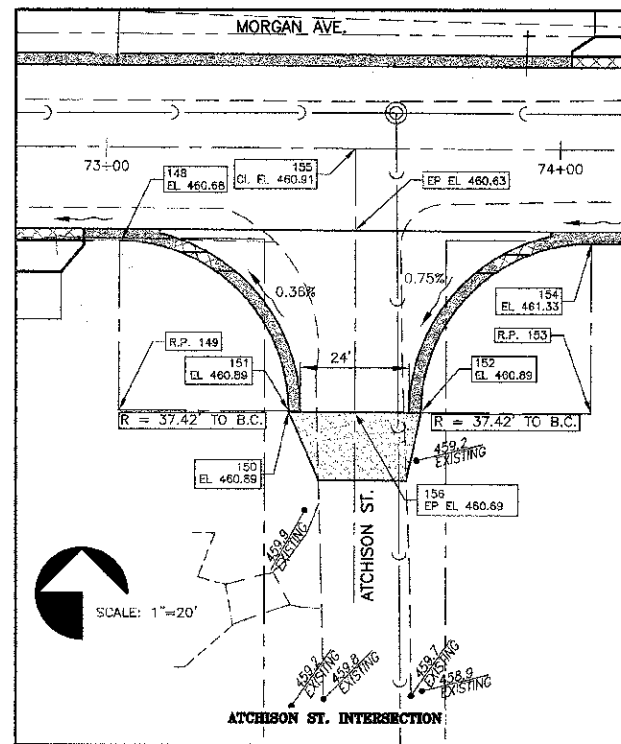
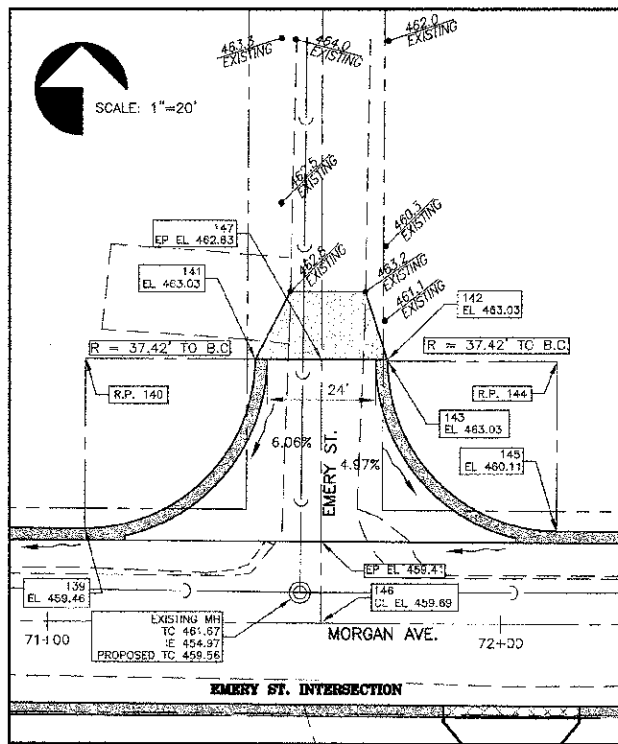
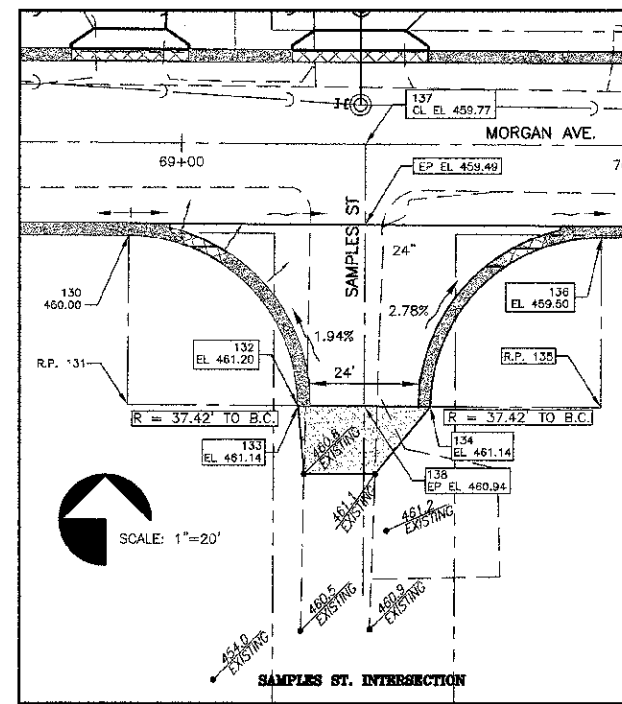
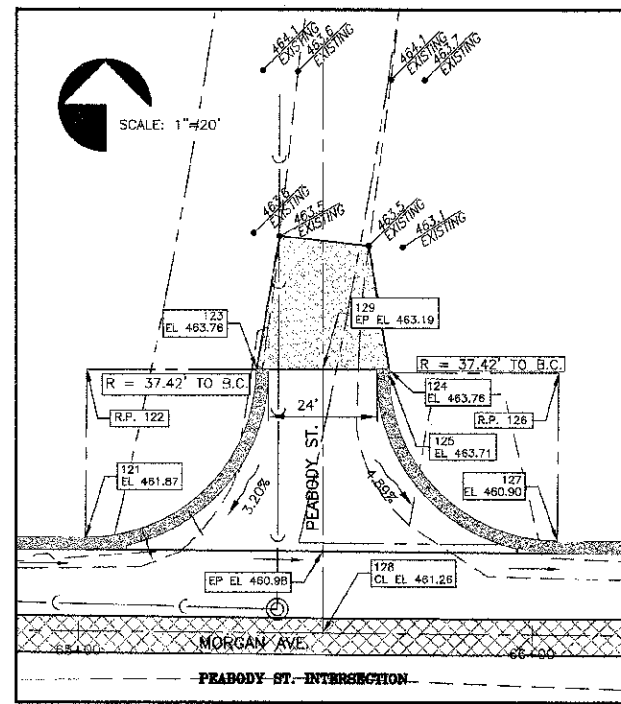
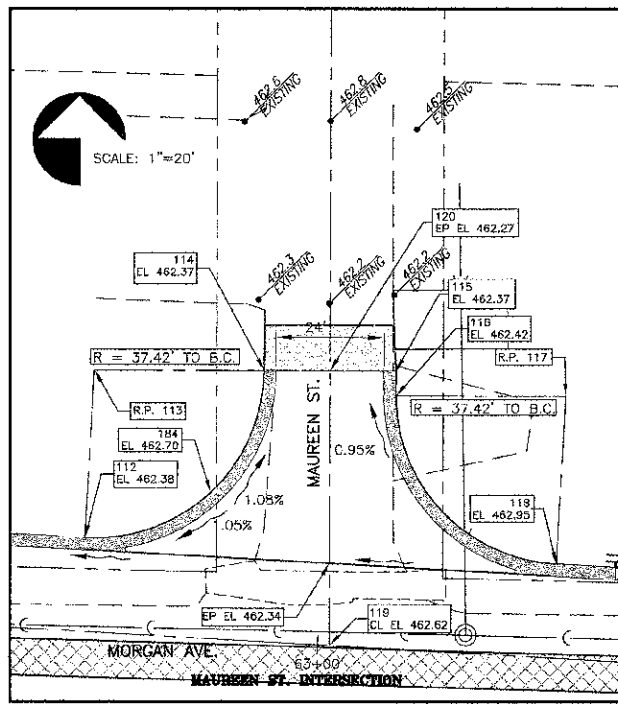
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CLARIDA & ZIEGLER ENGINEERING CO.

308 South Court St, P.O. Box 937
Marion, Illinois 62959
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INTERSECTION DETAILS
MORGAN AVE IMPROVEMENTS
MARION, ILLINOIS

Date 2/27/13 DR. By JW CK'D By SDD
Scale 1"=20' Job No. 08155 Sheet No. 32 of 45



MORGAN AVE. STATIONING

STAKEOUT POINTS				
NO.	STATION	OFFSET	NORTHING	EASTING
1	58+00.00	0.00	393042.62	806307.35
2	60+09.66	0.00	393037.35	806516.95
3	61+97.77	0.00	393032.63	806705.00
4	64+49.65	0.00	393018.80	806956.50
5	67+01.54	0.00	393017.11	807208.38
6	69+20.50	0.00	393015.64	807427.34
7	77+71.83	0.00	393011.37	808278.65
8	79+00.00	0.00	393010.72	808406.82
9	77+69.88	450.00 L	393461.37	808278.97
10	77+75.41	830.00 R	392181.36	808278.07
11	77+77.08	1149.99 R	391867.37	808278.11
100	58+97.48	20.58	393050.74	806405.32
101	58+97.48	169.00 L	393209.12	806409.05
102	59+59.31	34.07 L	393072.58	806467.47
103	59+43.31	69.00 L	393108.00	806452.35
104	59+81.48	73.41 L	393111.44	806490.61
105	59+75.42	125.86 L	393164.03	806485.88
106	60+14.32	130.35 L	393157.55	806524.88
107	60+15.73	118.16 L	393155.32	806525.98
108	62+58.07	148.46 L	393177.61	806773.40
109	60+35.58	50.20 L	393085.84	806542.12
110	60+78.20	69.00 L	393104.61	806597.20
111	60+78.20	20.58 L	393056.21	806585.98
112	62+47.44	20.58 L	393050.51	806755.73
113	62+47.44	58.00 L	393087.87	806757.80
114	62+84.81	59.97 L	393087.77	806795.22
115	63+13.93	61.50 L	393087.70	806824.38
116	63+14.22	56.03 L	393082.22	806824.36
117	63+51.59	58.00 L	393082.12	806881.78
118	63+51.59	20.58 L	393044.78	806859.72
119	63+02.57	0.00 R	393025.92	806809.64
120	62+99.37	60.74 L	393027.74	806809.80
121	65+01.46	20.58 L	393039.04	807008.44
122	65+01.46	58.00 L	393076.45	807008.70
123	65+38.88	58.28 L	393076.48	807046.12
124	65+68.04	58.49 L	393076.50	807075.28
125	65+68.04	57.72 L	393075.73	807075.28
126	66+05.46	58.00 L	393075.76	807112.70
127	66+05.46	20.58 L	393058.34	807112.45
128	65+53.89	0.00 L	393018.10	807080.73
129	65+53.46	58.38 L	393076.49	807080.70
130	68+88.52	20.58 R	393095.28	807395.22
131	68+88.52	69.10 R	39297.28	807395.66
132	69+25.94	58.03 R	392957.59	807432.48
133	69+25.94	58.13 R	392957.48	807432.46
134	69+55.10	58.12 R	392957.35	807461.64
135	69+92.62	58.10 R	392957.18	807499.16
136	69+92.62	20.58 R	392994.70	807499.35
137	69+40.49	0.00 L	393015.54	807447.33
138	69+40.52	58.13 R	392957.42	807447.06
139	71+08.17	20.58 L	393035.28	807615.11
140	71+08.17	58.00 L	393072.70	807615.30
141	71+45.58	58.10 L	393072.61	807615.72
142	71+74.75	58.17 L	393072.54	807615.88
143	71+74.75	57.90 L	393072.27	807615.88
144	72+12.17	58.00 L	393072.18	807719.30
145	72+12.17	20.58 L	393054.76	807719.11
146	71+60.32	0.00 L	393014.44	807667.16
147	71+60.17	58.13 L	393072.57	807667.30
148	73+02.97	20.58 R	392993.14	807809.70
149	73+02.97	58.00 R	392955.72	807809.51
150	73+40.39	57.95 R	392955.59	807846.83
151	73+40.39	58.09 R	392955.44	807846.63
152	73+69.55	69.00 R	392955.09	807846.63
153	74+06.97	58.00 R	392955.20	807913.51
154	74+06.97	20.58 R	392992.62	807913.70
155	73+54.89	0.00 R	393013.46	807861.72
156	73+54.97	58.07 R	392955.39	807861.51
157	74+61.41	20.58 L	393033.51	807968.34
158	74+61.41	58.00 L	393070.93	807968.53
159	74+98.63	58.27 L	393071.01	808005.95
160	75+27.99	58.48 L	393071.08	808035.11
161	75+28.00	57.73 L	393070.32	808035.11
162	75+65.41	58.00 L	393070.40	808072.53
163	75+65.41	20.58 L	393032.98	808072.35
164	75+13.83	0.00 R	393012.66	808020.66
165	75+13.41	58.38 L	393071.04	808020.53
166	77+13.57	20.58 L	393032.24	808220.90
167	77+13.57	58.00 L	393069.66	808220.69
168	77+90.99	58.16 L	393089.63	808258.11
169	77+92.18	51.84 L	393063.10	808299.27
170	78+29.60	52.00 L	393063.08	808336.60
171	78+29.60	14.58 L	393025.66	808336.50
172	78+30.05	14.58 L	393025.66	808336.95
173	78+30.05	69.00 R	392959.50	808336.99
174	78+30.05	52.00 R	392959.08	808336.61
175	77+92.63	52.16 R	392959.10	808299.19
176	77+51.50	57.84 R	392953.63	808258.03
177	77+14.08	58.00 R	392953.66	808220.61
178	77+14.08	20.58 R	392991.08	808220.80
179	77+40.48	31.48 R	392980.04	808247.15
180	78+01.79	26.96 L	393038.18	808308.75
181	59+76.05	46.02 L	393084.20	806484.50
182	59+94.87	128.10 L	393165.79	806505.38
183	60+03.97	49.31 L	393088.79	806512.48
184	62+74.59	32.25 L	393060.66	806783.48
185	78+30.05	0.00 R	393011.08	808336.88
187	77+72.21	88.73 R	392922.64	808278.59

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	33
ILLINOIS		MORGAN ST.		
CONTRACT NO. 99394				

N. RUSSELL ST. STATIONING

STAKEOUT POINTS				
NO.	STATION	OFFSET	NORTHING	EASTING
185	3+43.85	0.00 L	393117.51	808278.73
187	5+38.73	0.00 L	392922.64	808278.59
185	3+43.85	0.00 R	393117.51	808278.73
188	3+43.85	20.58 L	393117.53	808258.15
189	3+43.85	20.58 L	393117.50	808299.31
190	5+38.73	20.58 R	392922.62	808299.17
191	5+38.73	20.58 R	392922.65	808258.01
192	3+04.79	20.58 R	393156.59	808258.17
183	1+69.85	11.29 R	393291.53	808267.56
194	1+25.00	7.85 R	393336.37	808271.23
195	1+25.00	14.32 L	393336.36	808293.20
196	1+69.85	17.87 L	393291.51	808296.72
197	3+04.79	20.58 L	393156.56	808299.33
198	1+69.85	0.00 R	393291.52	808278.85
199	6+00.00	8.91 L	392861.37	808269.63
200	6+00.00	13.15 L	392861.36	808291.69
201	6+00.00	0.00 L	392861.37	808278.55

NOTE: UNLESS OTHERWISE NOTED, COORDINATE POINTS AND ELEVATIONS ARE TO BACK OF CURBS.

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004615

REVISIONS

DATE	NO.

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INTERSECTION DETAILS
 MORGAN AVE IMPROVEMENTS
 MARION, ILLINOIS

Date: 2/27/13 DR By: TW CK'D By: SDD
 Scale: 1"=20' Job No.: 08155 Sheet No.: 33 of 45

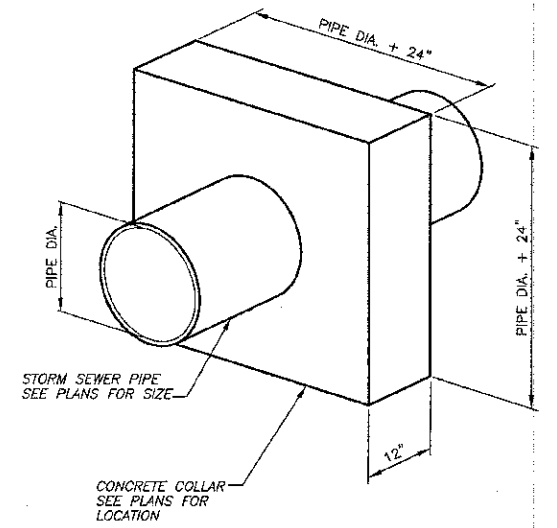
CONTRACT NO. 99394

DETAILS OF CONCRETE COLLAR

NO SCALE

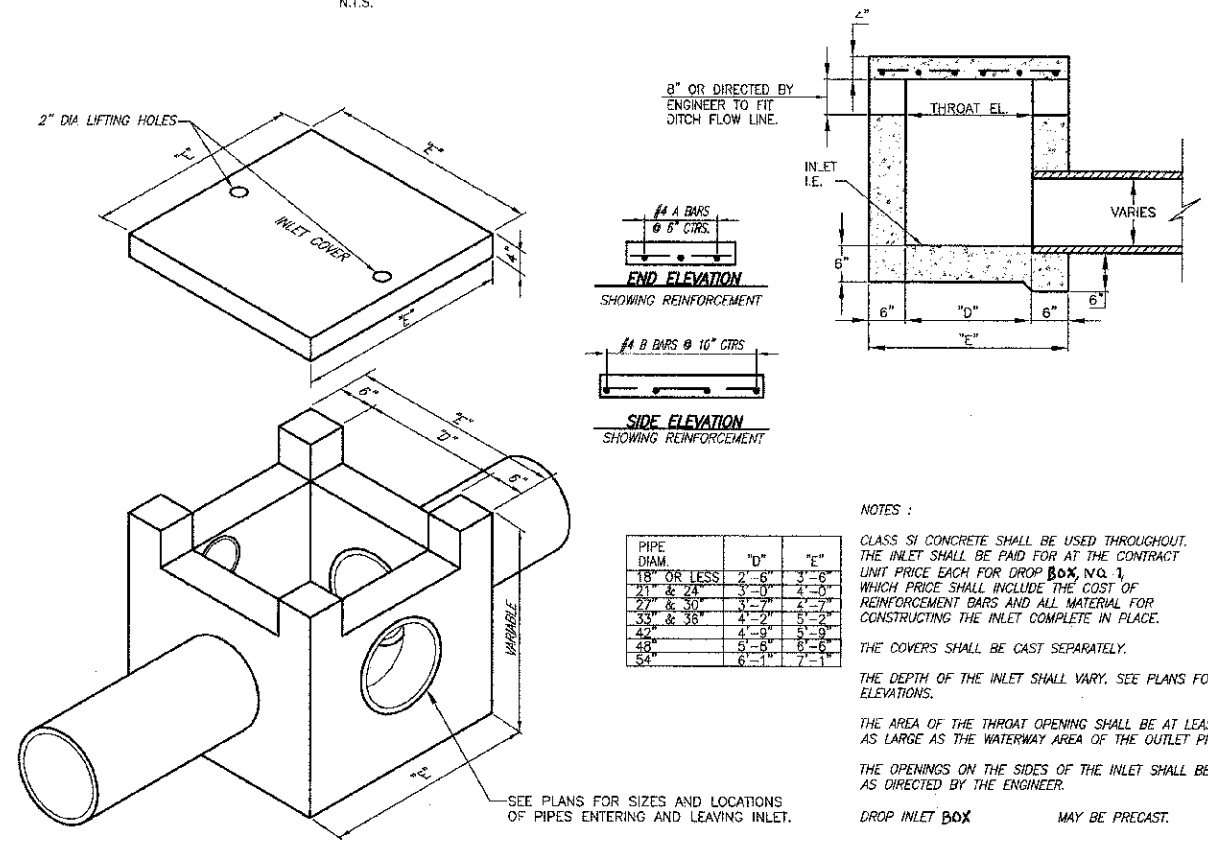
CLASS SI CONCRETE SHALL BE USED FOR THE CONCRETE COLLAR. CONCRETE COLLARS SHALL BE PAID AT THE CONTRACT UNIT PRICE PER CUBIC YARD OF CONCRETE COLLAR, WHICH PRICE SHALL INCLUDE ALL EXCAVATION, CONCRETE, FORMWORK AND LABOR TO INSTALL THE CONCRETE COLLAR COMPLETE IN PLACE.

PIPE DIA.	CU YD
12"	0.23
15"	0.26
18"	0.28
24"	0.33
30"	0.39
36"	0.45
42"	0.52
48"	0.59
54"	0.67
60"	0.75



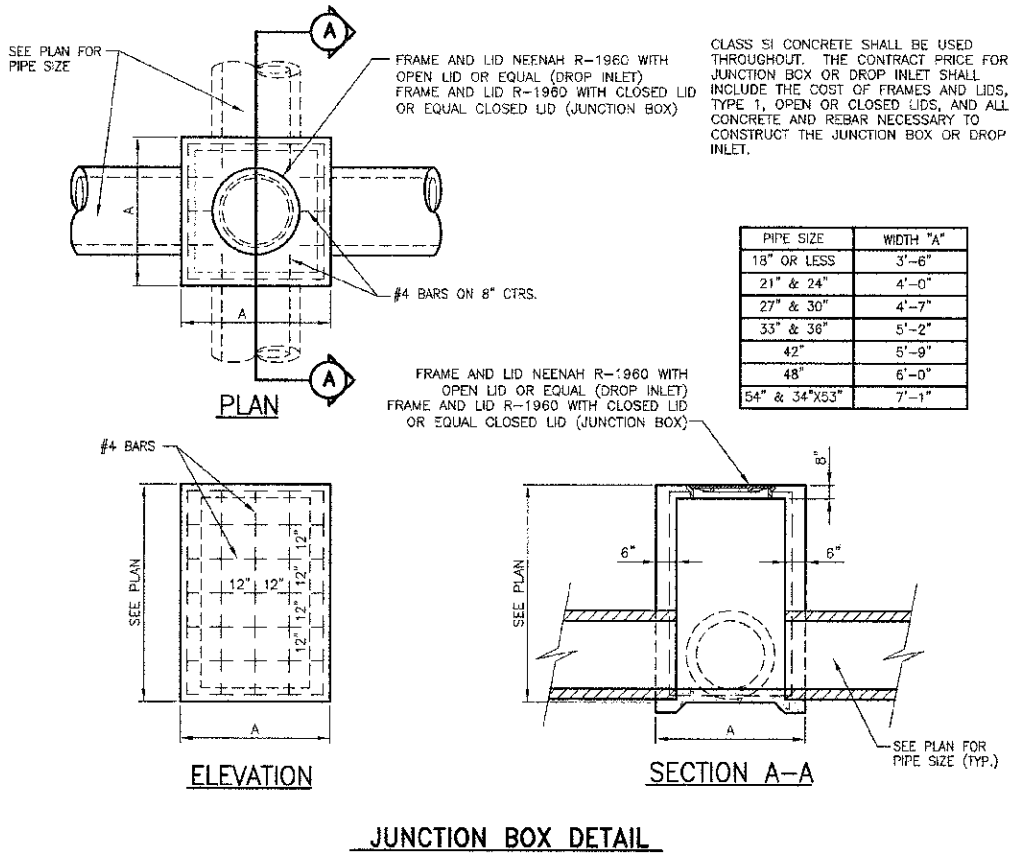
DETAILS OF DROP INLET, SPECIAL

N.T.S.



PIPE DIAM.	"D"	"E"
18" OR LESS	2'-6"	3'-6"
21" & 24"	3'-0"	4'-0"
27" & 30"	3'-7"	4'-7"
33" & 36"	4'-2"	5'-2"
42"	4'-9"	5'-9"
48"	5'-5"	6'-6"
54"	6'-1"	7'-1"

NOTES:
 CLASS SI CONCRETE SHALL BE USED THROUGHOUT. THE INLET SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DROP BOX, NO. 1, WHICH PRICE SHALL INCLUDE THE COST OF REINFORCEMENT BARS AND ALL MATERIAL FOR CONSTRUCTING THE INLET COMPLETE IN PLACE.
 THE COVERS SHALL BE CAST SEPARATELY.
 THE DEPTH OF THE INLET SHALL VARY. SEE PLANS FOR ELEVATIONS.
 THE AREA OF THE THROAT OPENING SHALL BE AT LEAST AS LARGE AS THE WATERWAY AREA OF THE OUTLET PIPE.
 THE OPENINGS ON THE SIDES OF THE INLET SHALL BE AS DIRECTED BY THE ENGINEER.
 DROP INLET BOX MAY BE PRECAST.

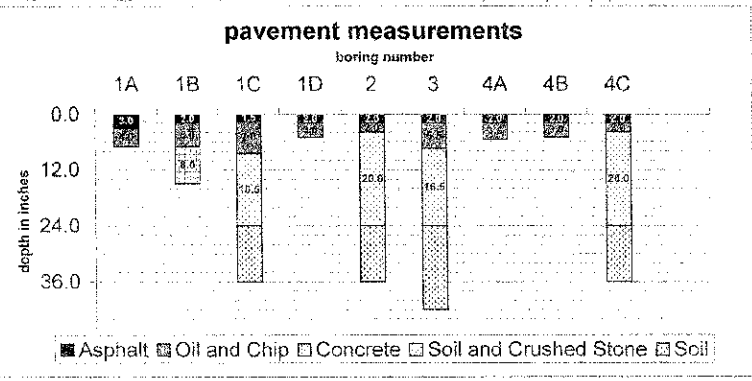


JUNCTION BOX DETAIL

HOLCOMB FOUNDATION ENGINEERING CO.

Pavement Thickness Measurements
Morgan Ave. Marion, Illinois

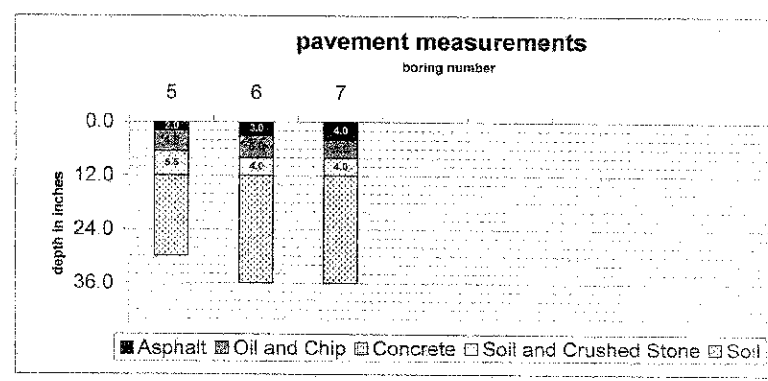
Boring Location (Offset)	Asphalt Thickness (in.)	Oil & Chip Thickness (in.)	Concrete Thickness (in.)	Crushed Stone and CLAY (in.)	Soil Description	Soil Data N QU MC
1A	3.0	4.0				
1B	2.0	5.0				
1C	1.5	7.0		15.6	Gray Silty CLAY (CL) w/sand	13 1.8 21
1D	2.0	3.0				
2	2.0	2.0		20.0	Gray Silty CLAY (CL) w/sand+binders	22 2.8 28
3	2.0	5.5		18.5	Gray-Brown Silty CLAY (CL)	12 1.5 19
4A	2.0	3.5				
4B	2.0	3.0				
4C	2.0	2.0		20.0	Gray-Brown Silty CLAY (CL)	13 1.7 29



HOLCOMB FOUNDATION ENGINEERING CO.

Pavement Thickness Measurements
Russell St. Marion, Illinois

Boring Location (Offset)	Asphalt Thickness (in.)	Oil & Chip Thickness (in.)	Concrete Thickness (in.)	Crushed Stone and CLAY (in.)	Soil Description	Soil Data N QU MC
5	2.0	4.5		5.5	Gray-Brown Silty CLAY (CL)	17 3.2 15
6	3.0	5.0		4.0	Gray Silty CLAY (CL)	9 1.4 27
7	4.0	4.0		4.0	Gray-Brown Silty CLAY (CL)	9 3.1 25



IMMEDIATE BEARING VALUES

MORGAN AVE. AND RUSSELL ST. MARION, ILLINOIS

LOCATION	BLOWCOUNTS BY DEPTH			IMMEDIATE BEARING VALUE			STATION
	0.0"-12.0"	12.0"-24.0"	24.0"-36.0"	0.0"-12.0"	12.0"-24.0"	24.0"-36.0"	
BORING 1	6.0	6.0	4.0	2.0	2.0	3.0	BORING 1
BORING 4	9.0	12.0	25.0	3.0	7.0	17.0	BORING 4
BORING 7	2.0	4.0	9.0	0.5	1.0	2.0	BORING 7

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000872

REVISIONS

DATE	NO.

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MISCELLANEOUS DETAILS & BORING LOGS
 MORGAN AVE. IMPROVEMENTS
 MARION, ILLINOIS

Date: 2/27/13 DR. By: TW CK'D By: HGC
 Scale: NONE Job No. 08195 Sheet No. 35 of 45

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-PP	WILLIAMSON	45	36
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394

DETAILS OF INLET SPECIAL NO. 1

N.T.S.

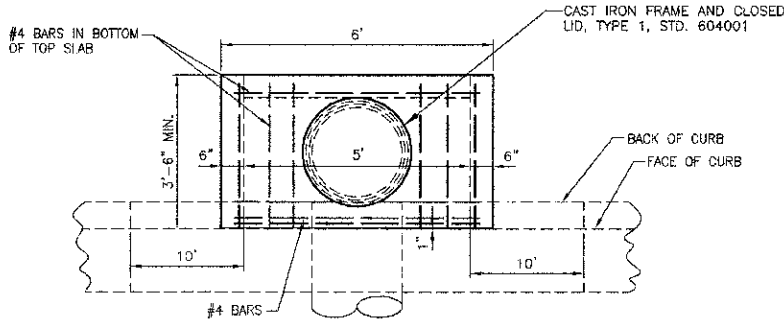
PIPE DIAM.	"D"
18" OR LESS	2'-6"
21" & 24"	3'-0"
27" & 30"	3'-6"
33" & 36"	4'-0"
42"	4'-6"
48"	5'-0"
54"	6'-0"

NOTES:
 CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES SHALL BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

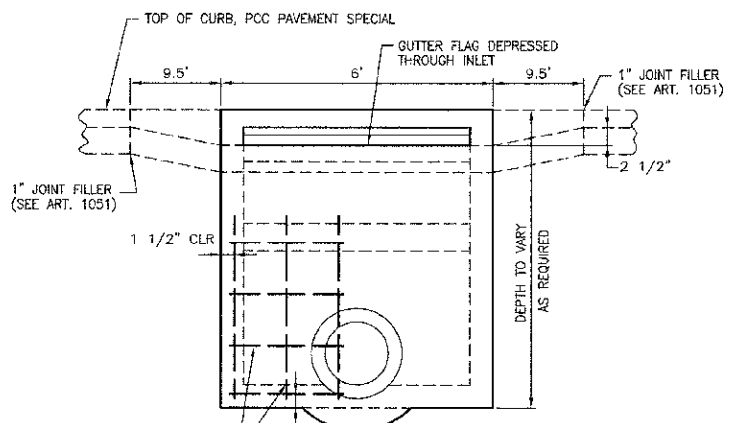
INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 1, WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME AND CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS, AND JOINT FILLER.

**THE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

PRECAST INLETS WILL NOT BE ALLOWED. PRECAST BOTTOMS FOR INLET SPECIAL NO. 1, SIMILAR TO INLET SPECIAL NO. 2, DETAILED IN THESE PLANS, WILL BE ALLOWED. HOWEVER, THE TOP OF INLET SPECIAL NO. 1 FROM BELOW THE THROAT OF THE INLET WILL BE CAST-IN-PLACE IF PRECAST BOTTOMS ARE UTILIZED BY THE CONTRACTOR.

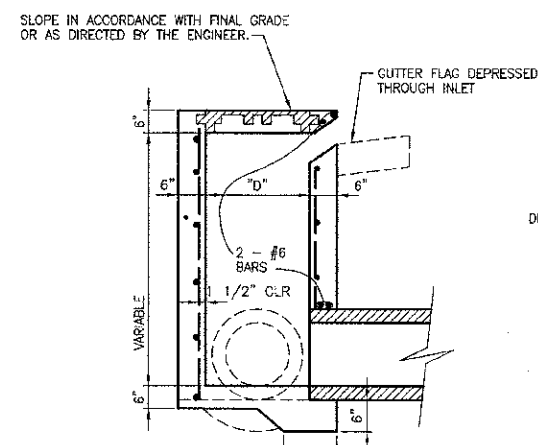


PLAN

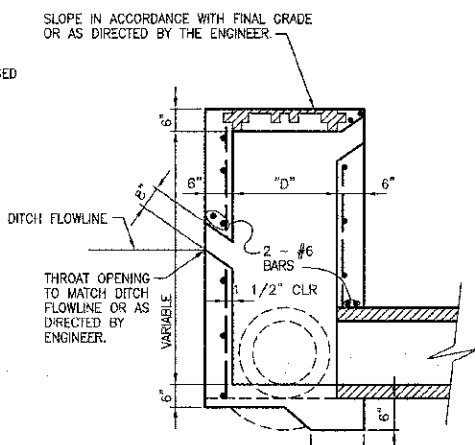


ELEVATION

PLACE #4 BARS 12" ON CTRS. IN BOTH DIRECTIONS IN WALLS AND IN TOP OF BOTTOM SLAB

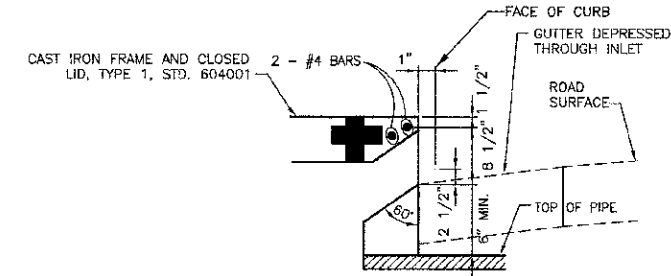


SECTION

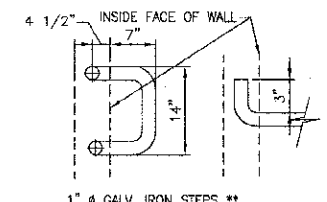


SECTION WITH REAR OPENING

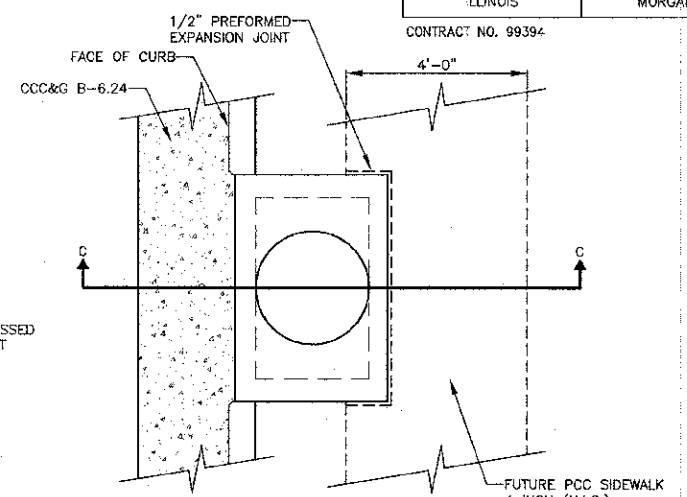
INLET 28D



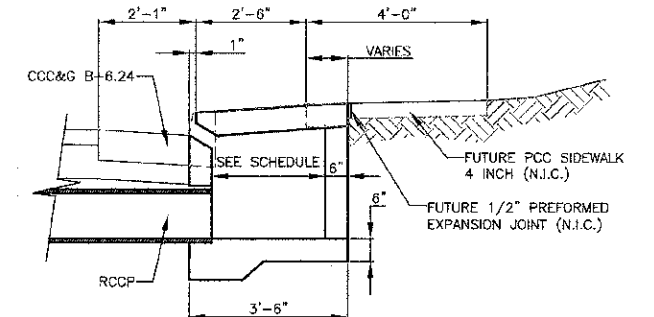
DETAIL AT WEIR



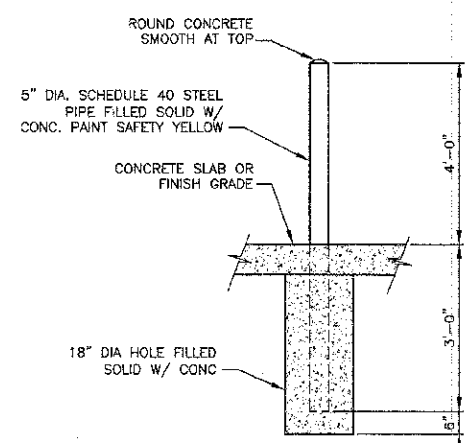
DETAIL OF MANHOLE STEPS



DETAIL OF INLET SPECIAL NO. 1 AT SIDEWALK



SECTION C-C



STEEL BOLLARD DETAIL
NOT TO SCALE

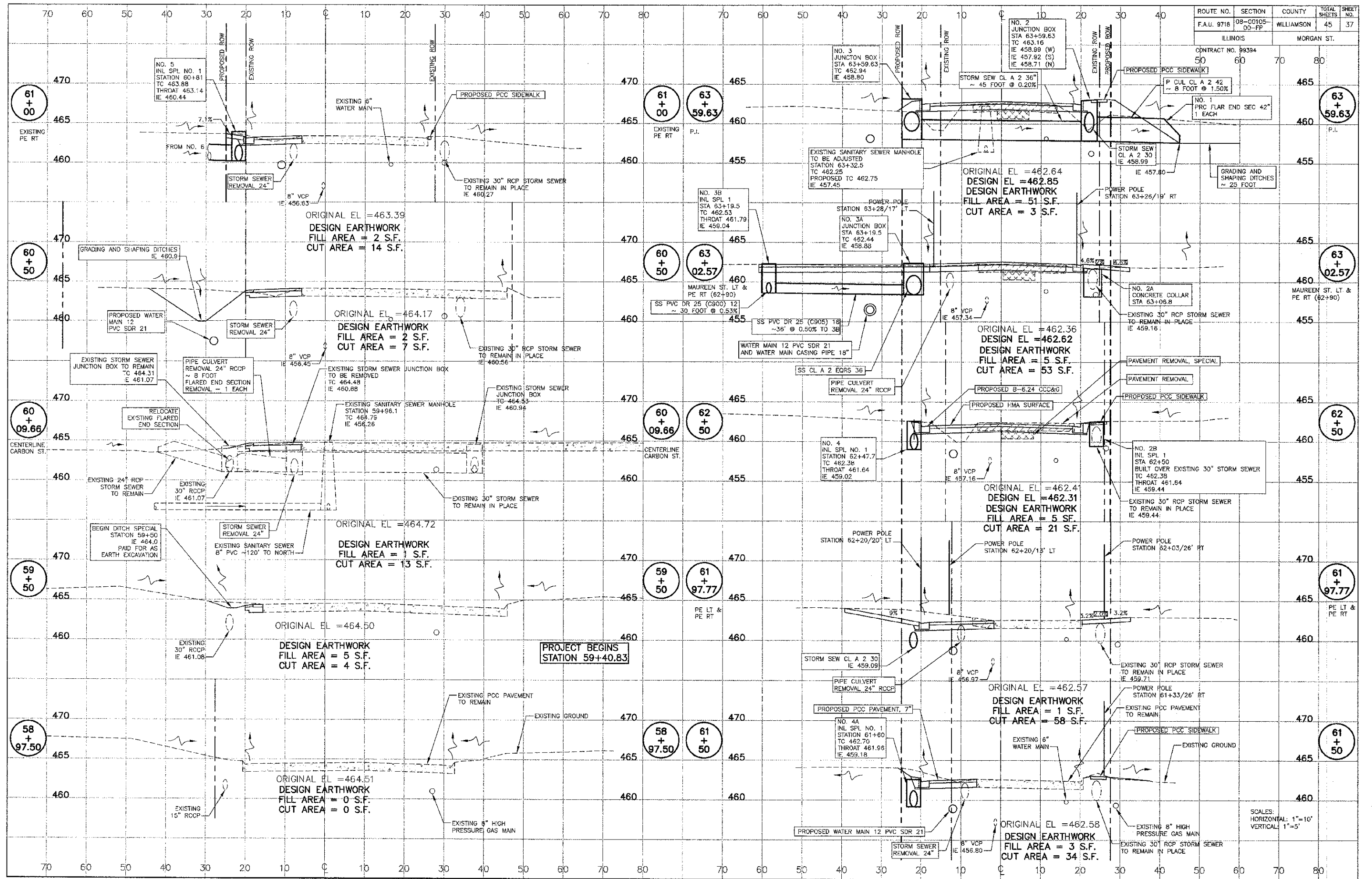
STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000872

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MISCELLANEOUS DETAILS
 MORGAN AVE. IMPROVEMENTS
 MARION, ILLINOIS

Date: 2/27/13 DR. By: TW CKD By: HGC
 Scale: NONE Job No: 08155 Sheet No: 36 of 45

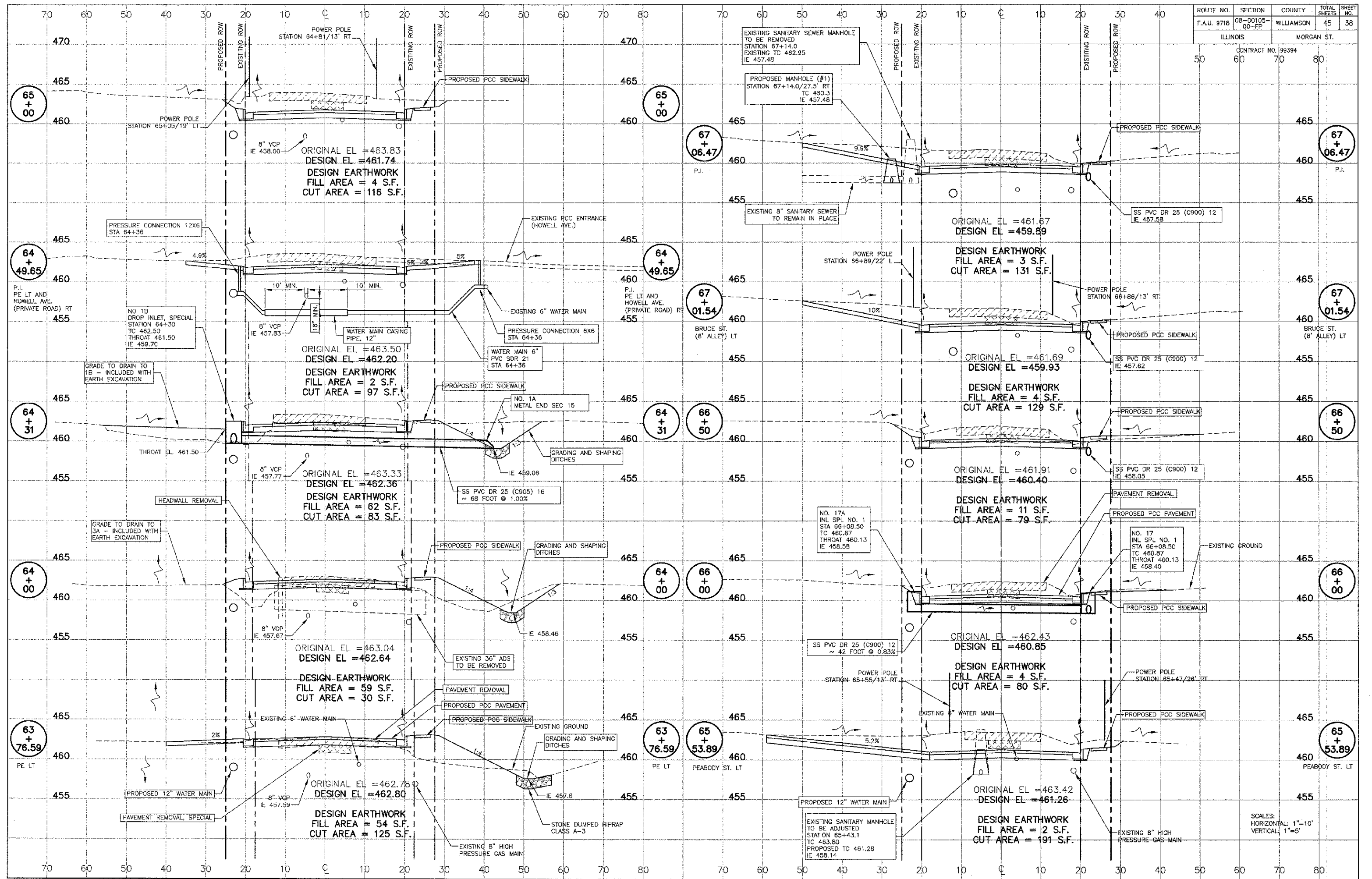


PROJECT BEGINS
STATION 59+40.83

SCALES:
HORIZONTAL: 1"=10'
VERTICAL: 1"=5'

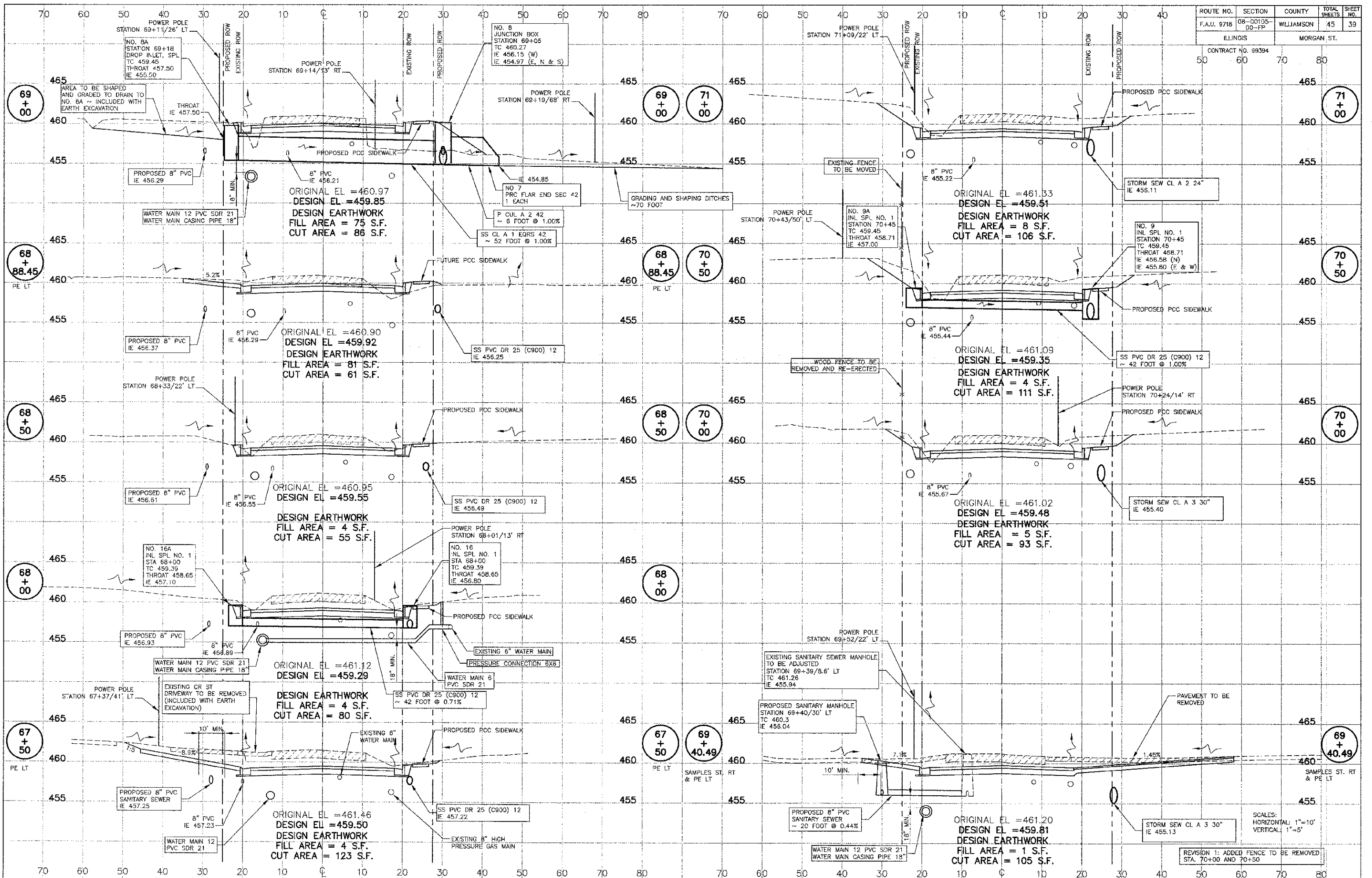
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	38
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394



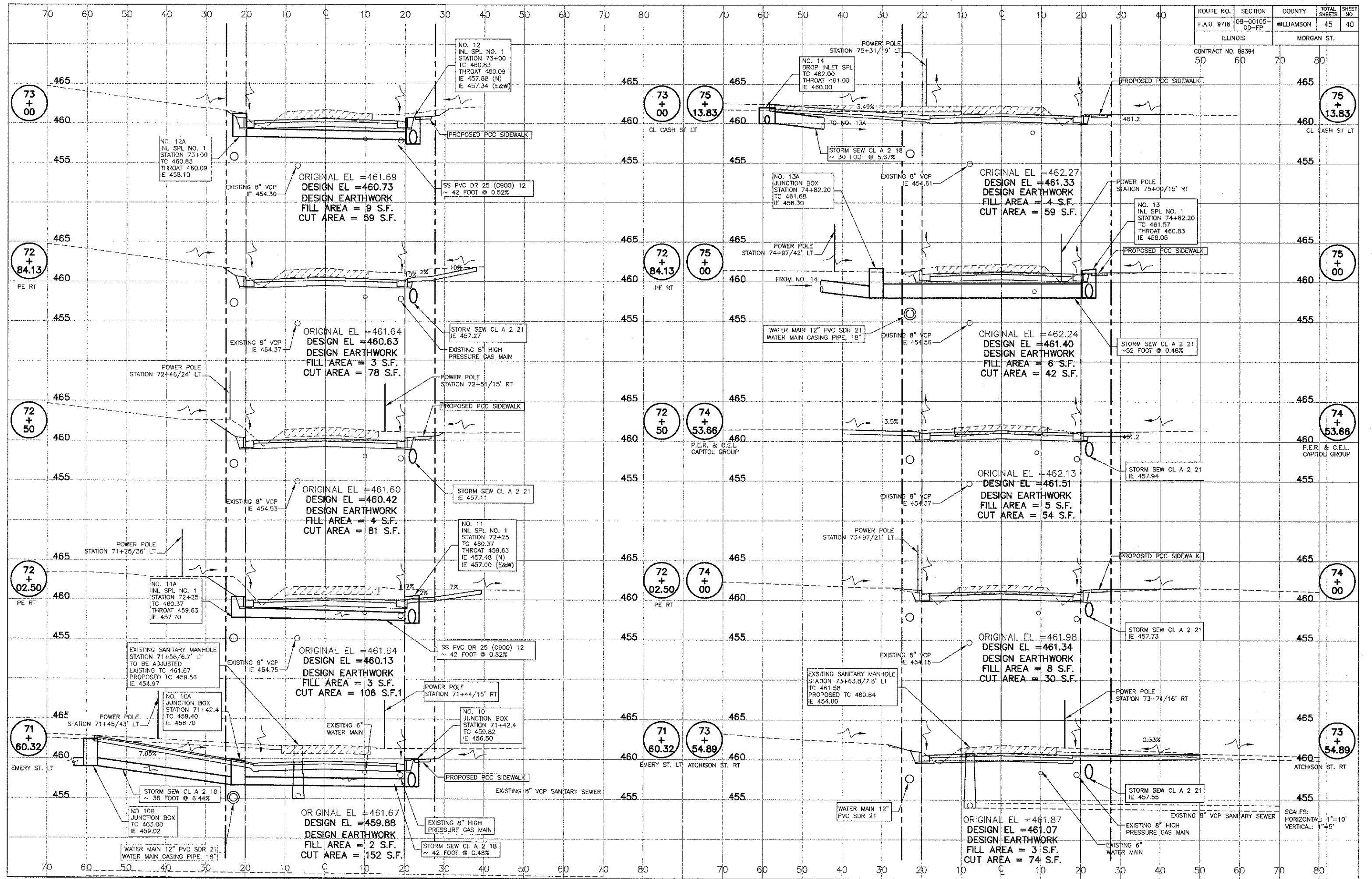
MORGAN AVE. IMPROVEMENTS - CROSS SECTIONS STATION 63+76.50 TO 67+00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	39
ILLINOIS		MORGAN ST.		
CONTRACT NO. 99394		50	60	70



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-PP	WILLIAMSON	45	40
ILLINOIS		MORGAN ST.		

CONTRACT NO. 98394
50 60 70 80



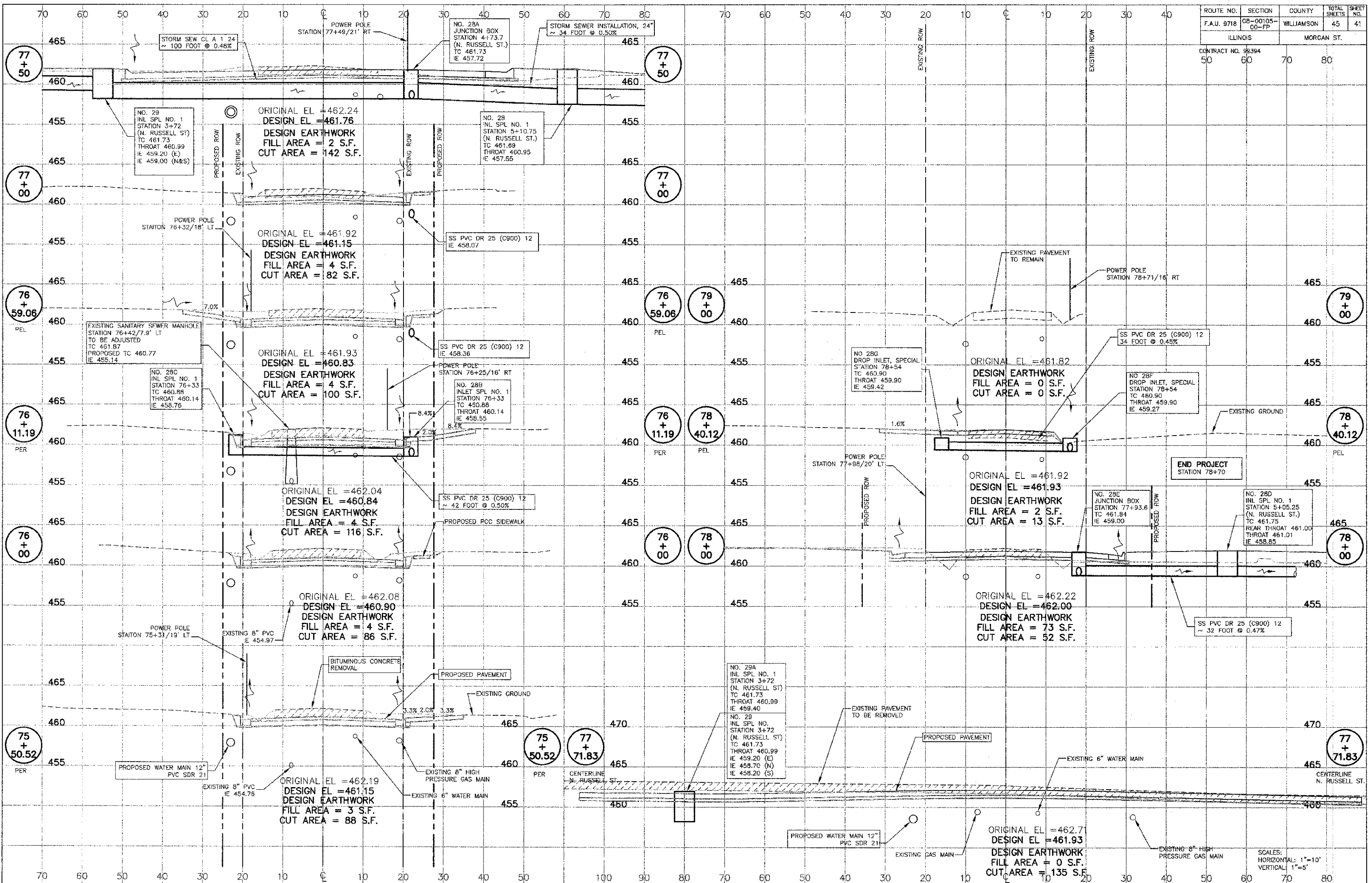
MORGAN AVE. IMPROVEMENTS - CROSS SECTIONS STATION 71+60.32 TO 75+13.83

PROJECT No. 08155
SHT. 40 OF 45

SCALES:
HORIZONTAL: 1"=10'
VERTICAL: 1"=5'

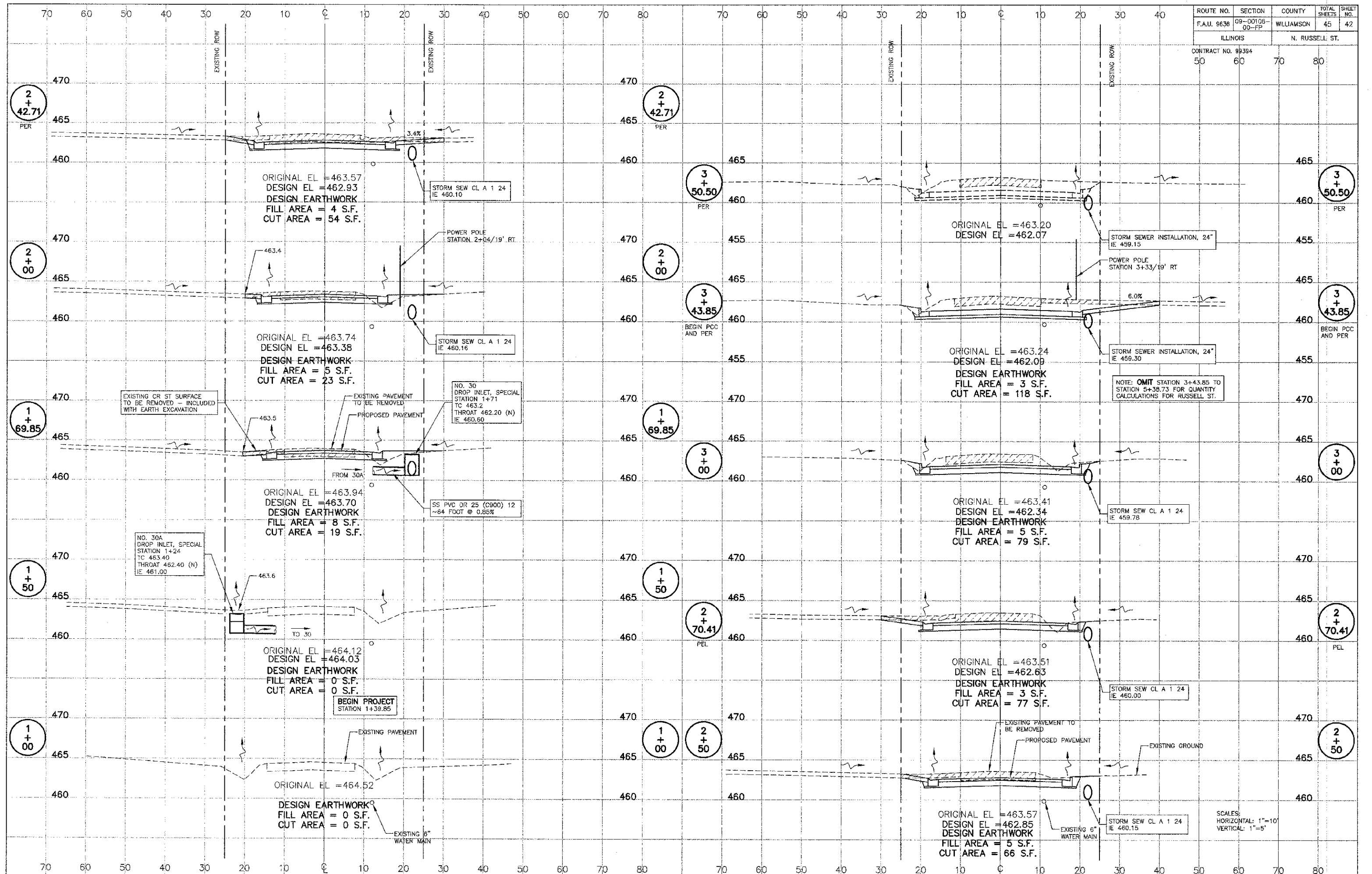
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	08-00105-00-FP	WILLIAMSON	45	41
ILLINOIS		MORGAN ST.		

CONTRACT NO. 99394
50 60 70 80



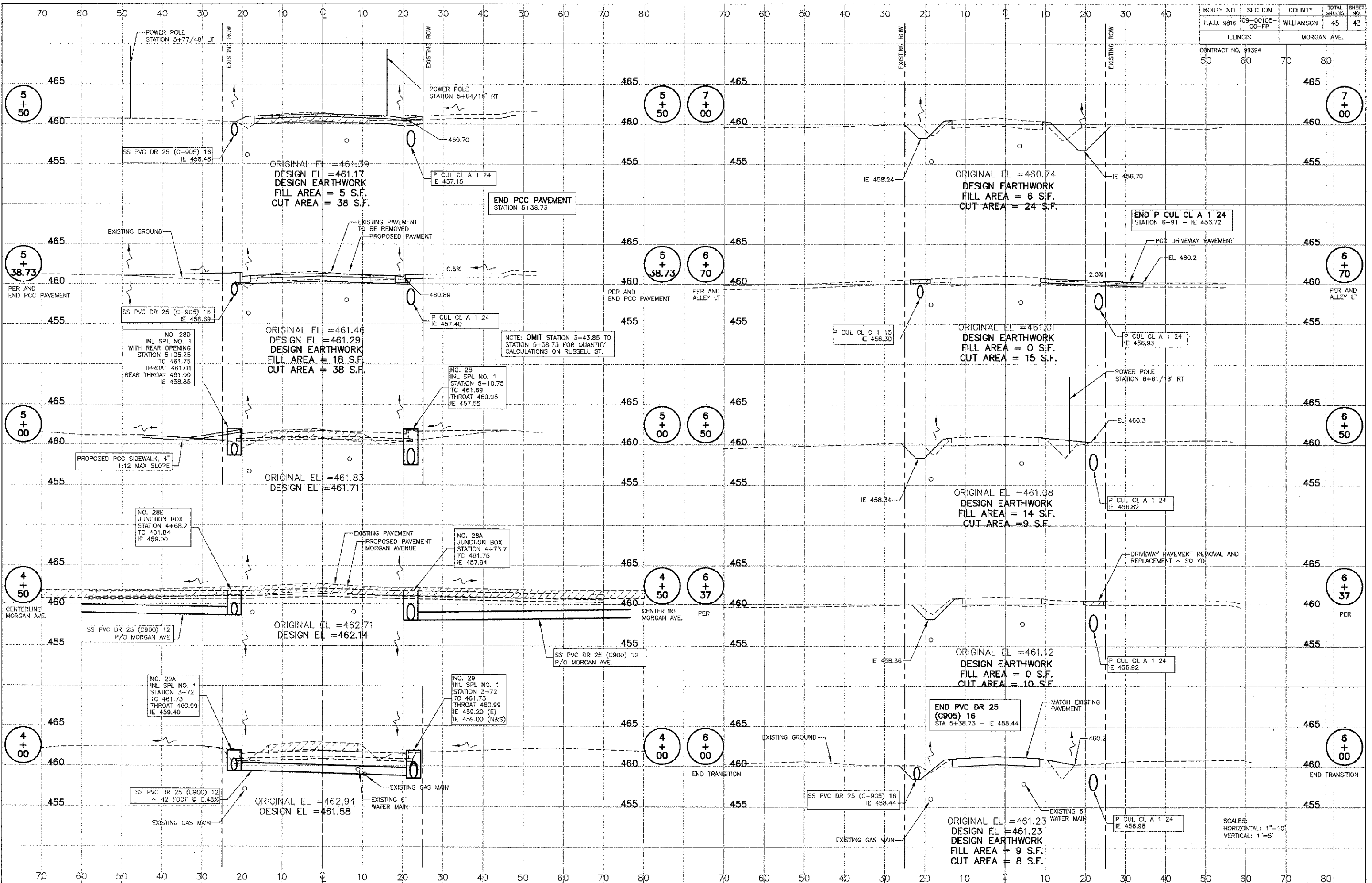
MORGAN AVE. IMPROVEMENTS - CROSS SECTIONS STATION 75+50.52 TO 79+00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9636	09-00106-00-FP	WILLIAMSON	45	42
ILLINOIS		N. RUSSELL ST.		
CONTRACT NO. 99394		50	60	70 80



MORGAN AVE. IMPROVEMENTS - N. RUSSELL ST. CROSS SECTIONS STATION 1+00 TO 3+50.50

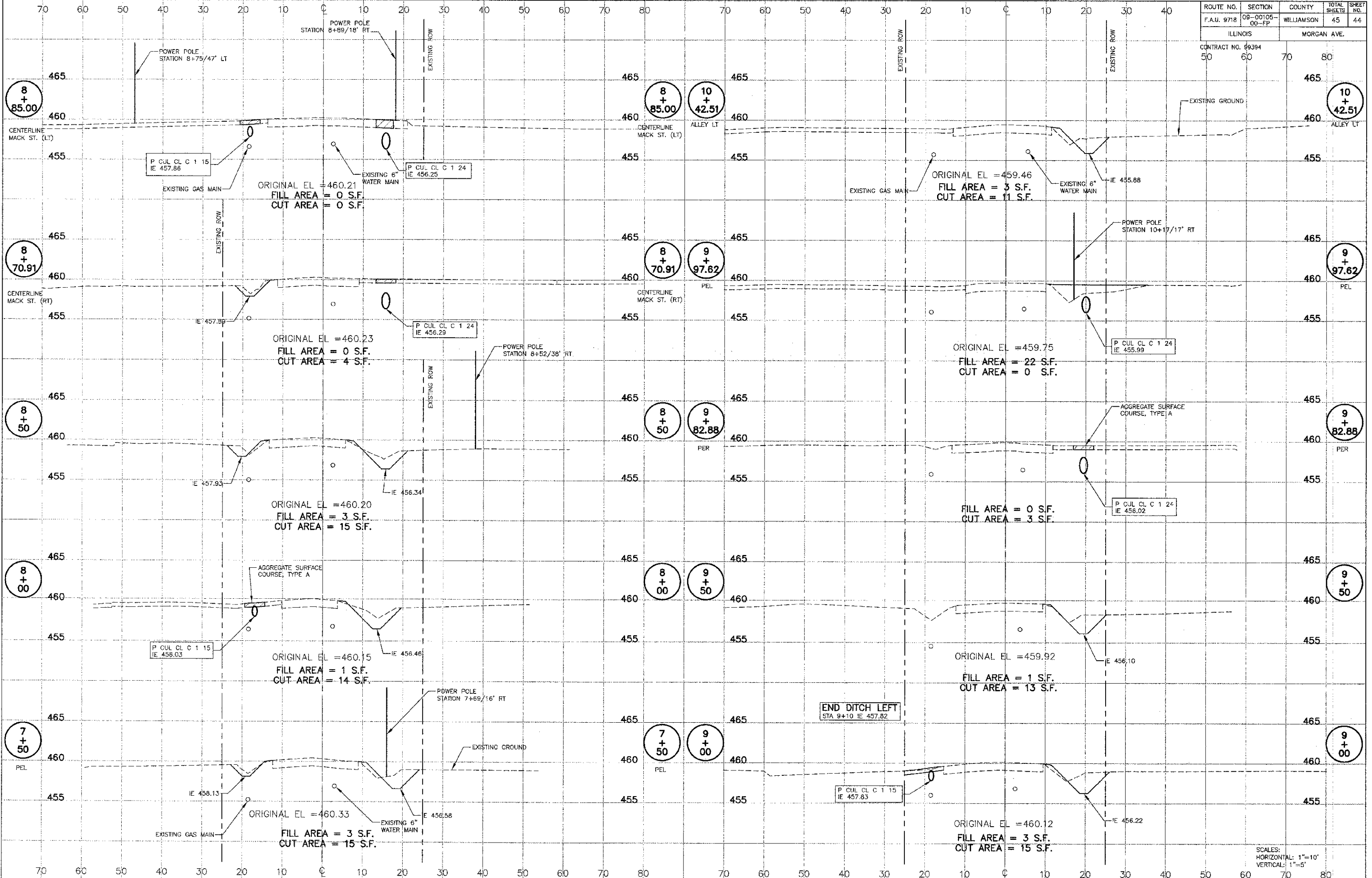
PROJECT No. 08187
SHT. 42 OF 45



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9718	09-00105-00-PP	WILLIAMSON	45	44

ILLINOIS MORGAN AVE.

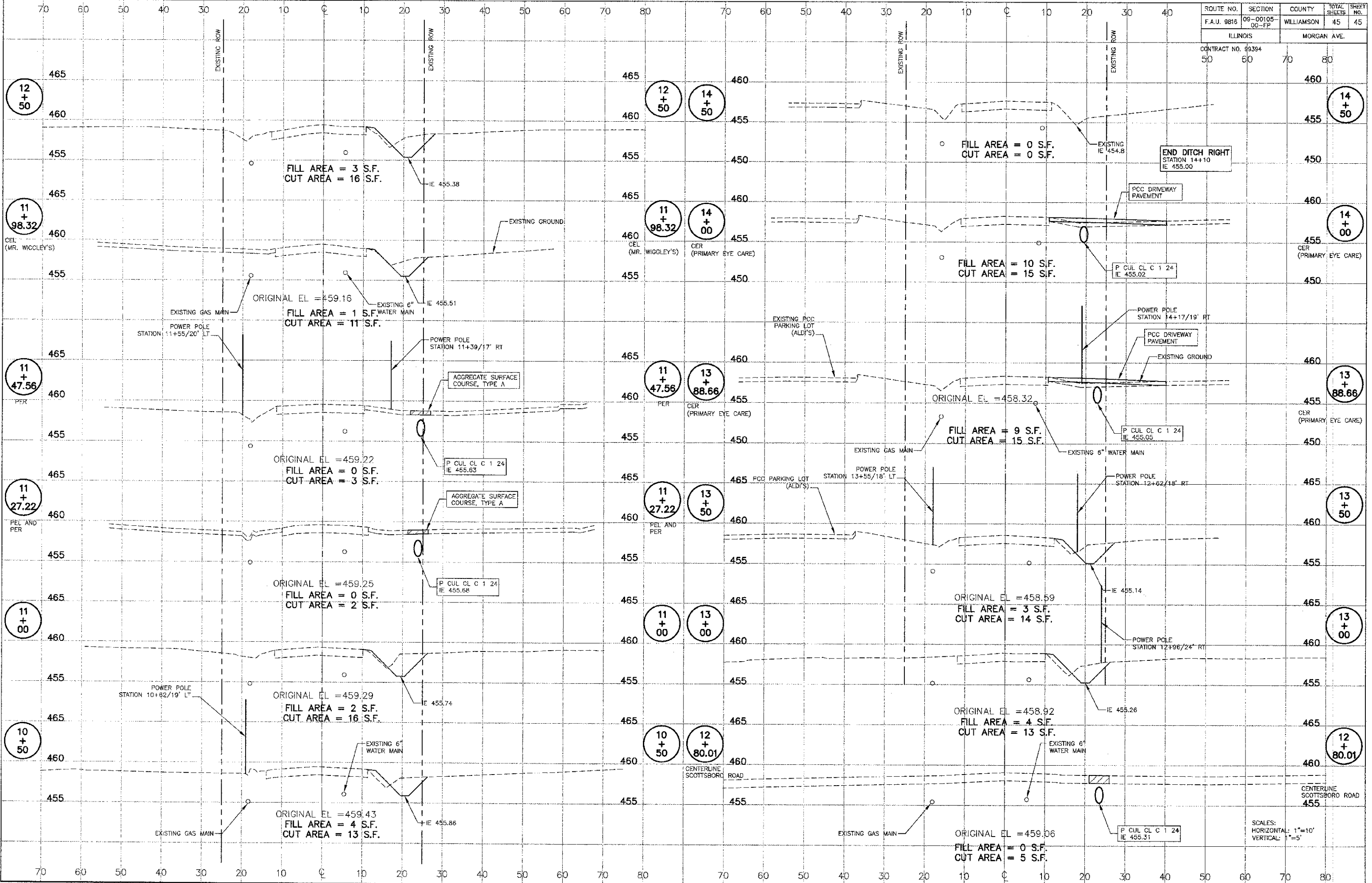
CONTRACT NO. 99394



SCALES:
HORIZONTAL: 1"=10'
VERTICAL: 1"=5'

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9815	09-00105-00-FP	WILLIAMSON	45	45
ILLINOIS		MORGAN AVE.		

CONTRACT NO. 99394
 50 60 70 80



SCALES:
 HORIZONTAL: 1"=10'
 VERTICAL: 1"=5'