

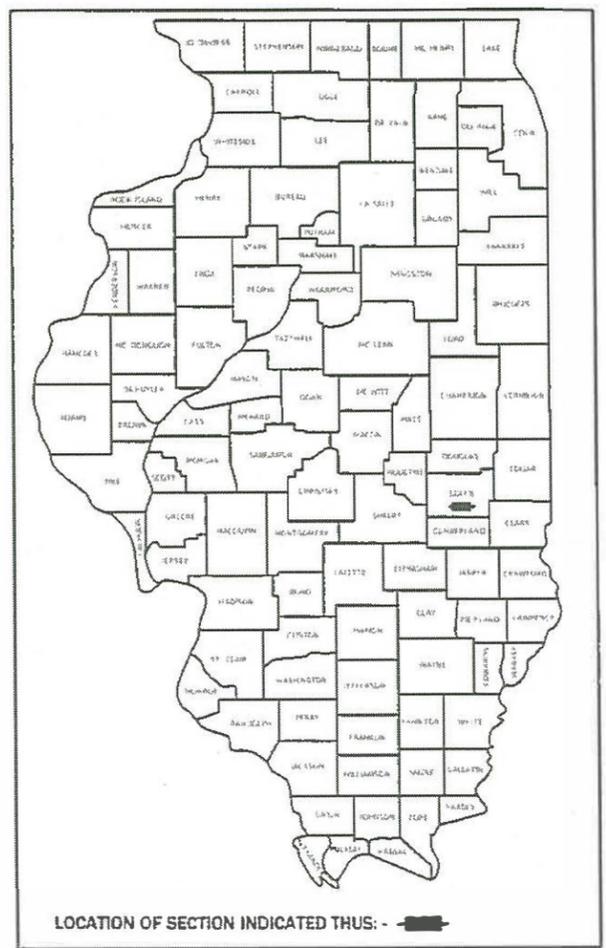
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7676	14-00266-03-PV	COLES	40	1
		ILLINOIS	CONTRACT NO. 95871	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED  
HIGHWAY PLANS  
STU FUNDS**

**FAU 7676 (MARSHALL AVENUE)  
SECTION 14-00266-03-PV  
PROJECT RVKY(937)  
STREET REHABILITATION  
COLES COUNTY**

C-97-051-19



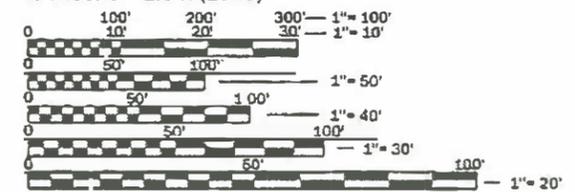
**INDEX OF SHEETS 03-06-2020 LETTING ITEM 163**

- 1 TITLE SHEET
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- 6 TYPICAL SECTIONS
- 7-8 SCHEDULE OF QUANTITIES
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- 24 DETAILS
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- 26-40 CROSS SECTIONS

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-09 PAVEMENT JOINTS
- 420701-03 PAVEMENT WELDED WIRE REINFORCEMENT
- 424001-11 PERPENDICULAR CURB RAMPS
- 602301-04 INLET TYPE A
- 602401-06 MANHOLE TYPE A
- 602601-06 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 MANHOLE STEPS
- 604001-05 FRAME AND LIDS TYPE 1
- 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701001-02 OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' FROM EDGE OF PAVEMENT
- 701006-05 OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24' FROM EDGE OF PAVEMENT
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAIL
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS
- 780001-05 TYPICAL PAVEMENT MARKINGS

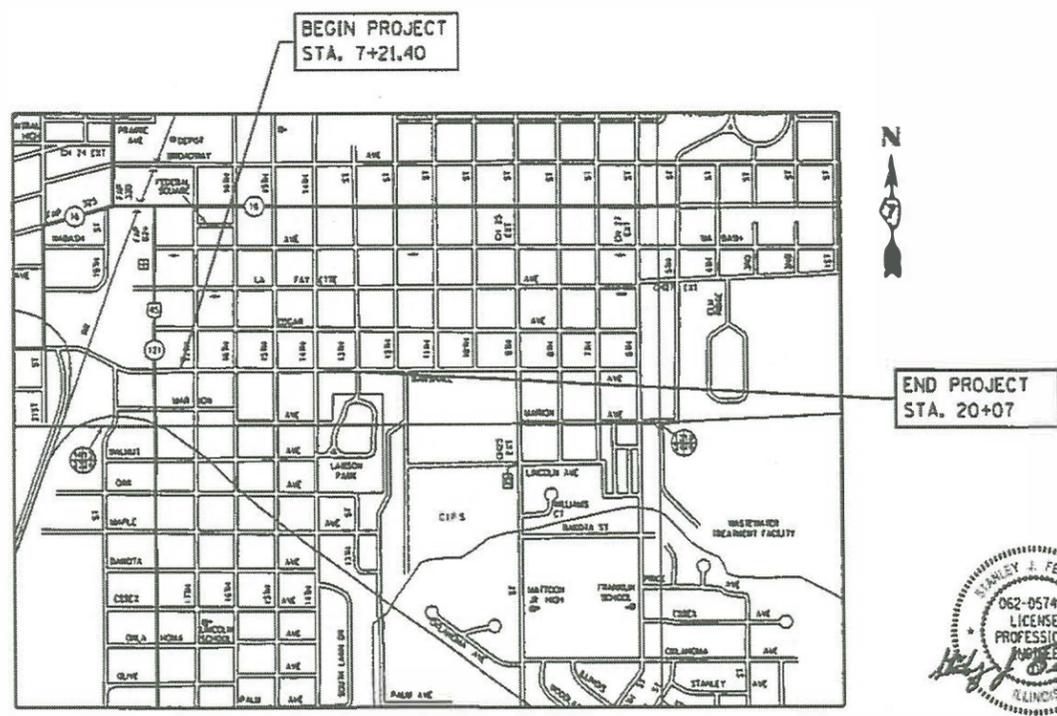
FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL  
DESIGN SPEED = 30 MPH  
DESIGN ADT = 5700 (2020), 6900 (2040)  
DESIGN DHV = 599 (2020), 725 (2040)  
% TRUCKS = 2.5% (2040)



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

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

**PROJECT ENGINEER STAN FEARDAY  
PROJECT MANAGER SCOTT LACKEY  
CONTRACT NO. 95871**



GROSS LENGTH = 1285.6 FT. = 0.243 MILE  
NET LENGTH = 1285.6 FT. = 0.243 MILE



STAN J. FEARDAY  
LICENSE EXPIRES 11-30-2021  
THE UPCHURCH GROUP, INC.  
123 NORTH 15th STREET  
MATTOON, ILLINOIS 61938

12/12/2019  
DATE

APPROVED: *[Signature]*  
LOCAL AGENCY DIRECTOR OF PUBLIC WORKS

PASSED: 1-2-20  
*[Signature]*  
DISTRICT SEVEN ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: 1-2-20  
*[Signature]*  
REGION FOUR ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

## GENERAL NOTES

1. WHENEVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS" IS USED, IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED APRIL 1, 2016 AND AS AMENDED BY THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. ADJUSTMENTS AND RELOCATIONS OF WATERMANS AND WATER SERVICES SHALL BE DONE BY THE CITY OF MATTOON AND CONSTRUCTED TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS 7<sup>TH</sup> EDITION.
3. ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST OF THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AS LISTED ON THE COVER SHEET.
4. UTILITY LOCATIONS WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES. LOCATION ACCURACY SHOULD BE CONSIDERED APPROXIMATE. THE CITY AND ITS ENGINEER ASSUME NO RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF THE LOCATIONS SHOWN OR FOR THE COMPLETENESS OF THE DEPICTED UTILITY INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE EXACT UTILITY LOCATIONS AND TO PROTECT THEM.
5. NOTIFY J.U.L.I.E. 1-800-892-0123 FOR FIELD LOCATES OF NON-CITY UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF THE ANTICIPATED START OF CONSTRUCTION OPERATIONS THAT WILL INVOLVE EXISTING OR RELOCATED UTILITY FACILITIES.
6. ANY HAUL ROUTES SELECTED BY THE CONTRACTOR WITHIN THE CITY LIMITS SHALL REQUIRE PRIOR APPROVAL BY THE CITY OF MATTOON ENGINEER.
7. DRIVEWAY CENTERLINES ARE PERPENDICULAR TO THE PROPOSED MARSHALL AVENUE UNLESS OTHERWISE SHOWN ON THE PLANS.
8. ABANDONED SEWERS AND OPENINGS CREATED IN DRAINAGE STRUCTURES BY THE REMOVAL OF SEWERS SHALL BE PLUGGED IN ACCORDANCE WITH ARTICLE 550.05 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE STORM SEWER ITEMS.
9. EXISTING PAVEMENT, SIDEWALKS AND/OR COMBINATION CURB AND GUTTER WHICH ARE TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTIONS UNLESS EXISTING PAVING WAS TERMINATED IN A BULKHEAD CONSTRUCTION JOINT. JOINTS BETWEEN EXISTING AND PROPOSED PAVEMENT (OR CURB AND GUTTER) SHALL BE OF THE SAME TYPE AS EQUIVALENT JOINTS IN THE PROPOSED PAVEMENT (OR CURB AND GUTTER). DRILLING AND GROUTING TIE BARS OR DOWEL BARS INTO EXISTING PAVEMENT (OR CURB AND GUTTER) SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEM FOR THE ADJACENT PROPOSED PAVING WORK.
10. ALL PAVEMENT STUBS SHALL BE A MINIMUM OF ONE FOOT IN WIDTH UNLESS SPECIFICALLY DIMENSIONED OTHERWISE. WHERE PCC CONCRETE PAVEMENT IS LESS THAN THE REQUIRED STUB WIDTH, IT SHALL BE POURED MONOLITHICALLY WITH THE COMBINATION CONCRETE CURB AND GUTTER.

## EARTHWORK SCHEDULE

1 LOCATION	2 EARTH EXCAVATION	3 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	4 EMBANKMENT	5 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
	CU YD	CU YD	CU YD	CU YD	
STA 7+20.40 TO STA 7+76.87	51	38	8	+30	
STA 7+76.87 TO STA 11+58.70	356	267	31	+236	
STA 11+58.70 TO STA 15+36.91	366	275	22	+253	
STA 15+36.91 TO STA 19+28.99	210	157	51	+106	
STA 19+28.99 TO STA 20+07.00	71	53	7	+46	
ENTRANCES	117	88	0	+88	
TOTAL	1171	878	119	+759	

COLUMN 1, 2, & 4 - LOCATION AND QUANTITIES FROM CROSS SECTIONS  
 CUT = EARTH EXCAVATION      FILL = EMBANKMENT  
 COLUMN 3 - QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 25%  
 COLUMN 5 - EARTHWORK BALANCE (-) = QUANTITY OF FURNISHED EXCAVATION NEEDED FOR EARTHWORK BALANCE  
 (+) = QUANTITY OF EARTH EXCAVATION ADJUSTED FOR SHRINKAGE TO BE WASTED

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	1171
25000100	SEEDING, CLASS 1	ACRE	0.76
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	68
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68
25100115	MULCH, METHOD 2	ACRE	0.76
28000500	INLET AND PIPE PROTECTION	EACH	36
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	2759
42000060	WELDED WIRE REINFORCEMENT	SQ YD	5263
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	310
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	823
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	10294
42400800	DETECTABLE WARNINGS	SQ FT	352
44000100	PAVEMENT REMOVAL	SQ YD	5586

\* SPECIAL PROVISIONS

△ SPECIALTY ITEMS

FILE NAME :	USER NAME : Sca37	DESIGNED - EAC	REVISED -	<b>The Upchurch Group</b> 123 North 15th Street Mattoon, Illinois 61938 <small>Professional Design Firm Corporation License No. 154-002-041</small>	<b>MARSHALL AVENUE RECONSTRUCTION - PHASE 3</b> 14TH STREET TO 17TH STREET CITY OF MATTOON, ILLINOIS 61938	<b>SUMMARY OF QUANTITIES</b>	TOTAL SHEETS	SHEET NO.
P:\Civ\11_Mattoon\Marshall Ave Phase 3.3\BIB\CAD Sheets\Marshall-PH3-sht-500.dgn	DRAWN - TLW	REVISED -	40				3	
PLOT SCALE : 2.0000 ' / in.	CHECKED - SAL	REVISED -						
PLOT DATE : 12/13/2019	DATE - OCT. 2019	REVISED -						
				SCALE: 2.0000 ' / in.	PROJECT: 3118104			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	314
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2928
44000600	SIDEWALK REMOVAL	SQ FT	10884
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	713
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	574
550B0090	STORM SEWERS, CLASS B, TYPE 1 18"	FOOT	180
550B0110	STORM SEWERS, CLASS B, TYPE 1 21"	FOOT	495
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12
60255500	MANHOLES TO BE ADJUSTED	EACH	5
60500040	REMOVING MANHOLES	EACH	1
60500060	REMOVING INLETS	EACH	8
60603800	COMBINATION CURB AND GUTTER, TYPE B-6.12	FOOT	2871
* 61139800	STORM SEWERS (SPECIAL), 4"	FOOT	33
67100100	MOBILIZATION	L SUM	1

\* SPECIAL PROVISIONS

△ SPECIALTY ITEMS

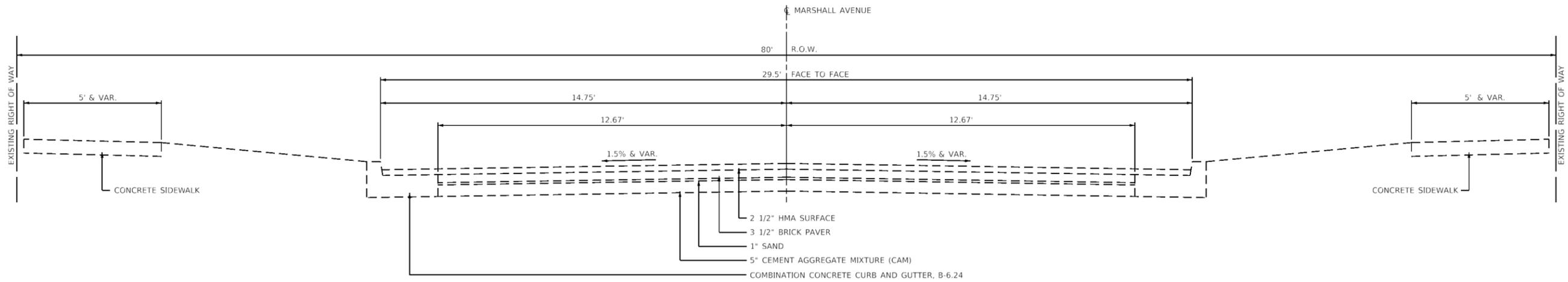
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	PLOT SCALE = 2.0000' / in.	CHECKED - SAL				
	PLOT DATE = 12/13/2019	DATE - OCT. 2019				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
Δ 72800100	TELESCOPING SIGN SUPPORT	FOOT	126
Δ 72900100	METAL POST, TYPE A	FOOT	132
Δ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1140
Δ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	705
Δ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	350
* X2080250	TRENCH BACKFILL, SPECIAL	CU YD	452
* X4200408	PORTLAND CEMENT CONCRETE PAVEMENT 8", SPECIAL	SQ YD	5263
* X5510100	STORM SEWER REMOVAL	FOOT	219
* X6023212	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE, SPECIAL	EACH	1
* X6023502	INLETS, TYPE A, WITH SALVAGED FRAME AND LID	EACH	1
* X6023508	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	34
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1
* Δ Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	18

\* SPECIAL PROVISIONS

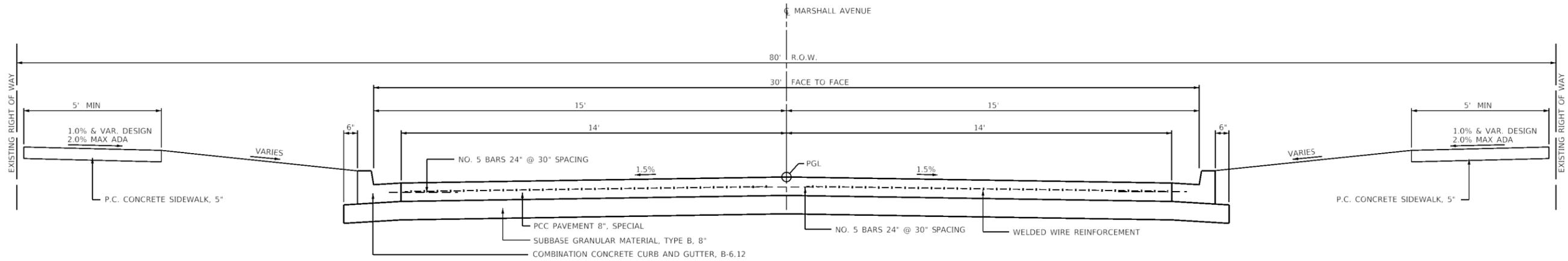
Δ SPECIALTY ITEMS

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	PLLOT SCALE = 2,0000 ' / in.	CHECKED - SAL			SCALE: 2,0000 ' / in.	PROJECT: 3118104		40	5
	PLLOT DATE = 12/13/2019	DATE - OCT. 2019							



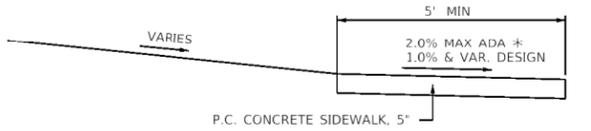
**EXISTING TYPICAL SECTION - MARSHALL AVENUE**

STA. 7+21.40 TO STA. 20+07



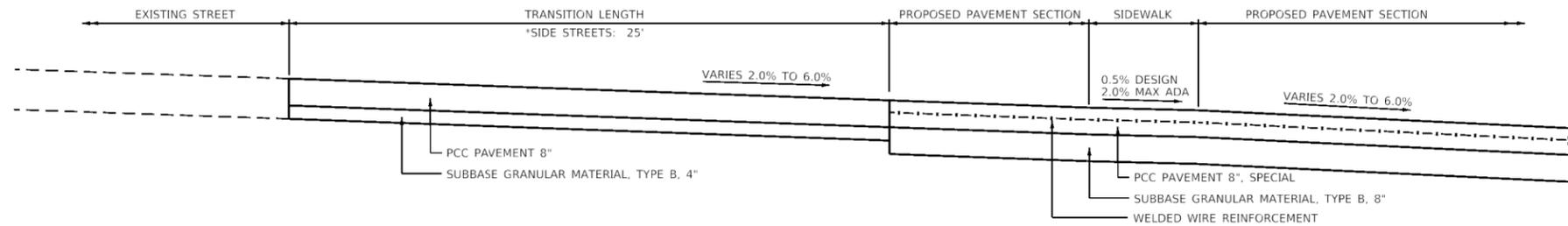
**PROPOSED TYPICAL SECTION - MARSHALL AVENUE**

STA. 7+21.40 TO STA. 20+07



**RIGHT SIDE REVERSED SIDEWALK**

STA. 8+00 TO STA. 11+25



**PROPOSED TYPICAL PERMANENT AND TEMPORARY TRANSITION SECTION  
14TH, 15TH, 16TH, AND 17TH STREETS**

\*14TH AND 16TH,  
15TH STREET TRANSITION SHORTER DUE TO HISTORICAL BRICK PAVEMENT  
NO TRANSITION ON 17TH STREET

FILE NAME =	USER NAME = Sca37	DESIGNED - EAC	REVISED -
P:\Civ\1\Mattoon\Marshall Ave Phase 3\8104\CAD Sheets\Marshall-PH3-sh-typical.dgn		DRAWN - TLW	REVISED -
		CHECKED - SAL	REVISED -
		DATE - OCT. 2019	REVISED -

**The Upchurch Group**  
123 North 15th Street Mattoon, Illinois 61938  
Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
14TH STREET TO 17TH STREET  
CITY OF MATTOON, ILLINOIS 61938  
SCALE: 2.0000' / 1" PROJECT: 3118104

**TYPICAL SECTIONS**

TOTAL SHEETS	SHEET NO.
40	6

SIDEWALK REMOVAL SCHEDULE				
STATION	TO	STATION	OFFSET	44000600
				SIDEWALK REMOVAL
				SQ.FT
07+31.85		07+55.82	LT	284.7
07+97.98		08+20.78	LT	208.9
08+96.95		09+79.61	LT	468.0
09+32.33		09+39.85	LT	31.0
10+56.76		10+78.76	LT	86.0
11+13.55		11+43.47	LT	235.8
11+74.33		12+00.75	LT	230.1
13+19.46		14+00.74	LT	406.6
13+65.37		13+79.79	LT	67.7
14+11.88		14+23.93	LT	53.5
14+45.33		14+58.68	LT	62.2
14+91.21		15+21.43	LT	229.9
15+52.48		15+81.38	LT	224.2
15+81.38		18+79.95	LT	1228.8
18+79.95		19+06.75	LT	176.6
19+44.20		19+80.93	LT	268.8
07+31.89		07+56.35	RT	282.4
07+97.42		11+43.85	RT	2325.6
08+88.36		08+94.18	RT	43.0
11+74.24		14+05.11	RT	1566.2
14+27.82		14+30.07	RT	45.3
14+93.71		15+21.35	RT	258.0
15+51.44		16+47.66	RT	690.5
16+76.74		16+98.74	RT	132.5
17+69.18		19+18.81	RT	973.4
18+48.91		19+87.95	RT	304.4
<b>TOTALS</b>				<b>10,884.1</b>

CURB AND GUTTER REMOVAL SCHEDULE					
STATION	OFFSET	TO	STATION	OFFSET	44000500
					COMBINATION CURB AND GUTTER REMOVAL
				FOOT	
MARSHALL AVE					
07+21.40	15.2' LT		07+56.60	45.5' LT	55.3
07+21.40	15.3' RT		07+57.10	45.0' RT	54.9
07+96.70	45.0' RT		11+44.20	69.9' RT	417.1
07+97.00	45.5' LT		11+44.00	70.1' LT	424.8
11+73.10	70.0' LT		15+22.30	38.9' LT	421.4
11+73.30	70.1' RT		15+21.90	40.0' RT	418.6
15+51.10	38.9' RT		19+19.20	95.1' RT	457.8
15+51.60	70.0' LT		19+14.40	79.9' LT	427.9
19+43.80	80.0' LT		20+07.00	14.8' LT	120.2
19+48.60	94.9' RT		20+07.00	14.8' RT	130.1
				<b>TOTALS</b>	<b>2,928.1</b>

STORM SEWER REMOVAL SCHEDULE							
STATION	OFFSET	TO	STATION	OFFSET	PIPE DIAMETER (INCH)	X5510100	
						STORM SEWER REMOVAL	
				FOOT		X2080250	
						TRENCH BACKFILL SPECIAL	
						CY YD	
MARSHALL AVE							
7+58.53	14.0' LT		7+50.13	22.56' LT	4	12.0	0.3
7+50.13	22.56' LT		7+97.27	22.38' LT	8	47.2	1.5
7+97.27	22.38' LT		8+01.81	21.38' LT	8	4.7	0.2
11+44.13	20.99' LT		11+51.02	0.06' RT	8	22.2	2.9
11+73.35	21.08' RT		11+67.11	0.05' RT	8	22.2	2.5
15+14.29	16.93' LT		15+37.69	0.34' RT	8	28.7	1.7
15+14.91	16.70' RT		15+37.69	0.34' RT	8	28.5	1.5
15+58.78	14.49' RT		15+37.69	0.34' RT	8	25.8	0.8
15+59.33	16.74' LT		15+37.69	0.34' RT	8	27.2	1.8
<b>TOTALS</b>						<b>218.3</b>	<b>13.2</b>

SEE STORM SEWER SCHEDULE ON SHEET 14 FOR ADDITIONAL TRENCH BACKFILL, SPECIAL QUANTITY

CURB AND GUTTER SCHEDULE					
STATION	OFFSET	TO	STATION	OFFSET	60603800
					CONCRETE CURB AND GUTTER, TYPE B-6.12
				FOOT	
MARSHALL AVE					
07+21.40	14.00' LT		07+57.91	45.50' LT	54.7
07+95.91	45.50' LT		11+44.99	70.00' LT	409.7
11+72.11	70.00' LT		15+24.08	70.00' LT	410.9
15+49.70	70.00' LT		19+15.44	80.00' LT	426.2
19+42.79	80.00' LT		20+07.00	14.00' LT	116.6
07+21.40	14.00' RT		07+57.83	45.00' RT	54.1
07+95.83	45.00' RT		11+45.15	70.00' RT	409.3
11+72.32	70.00' RT		15+23.84	70.00' RT	410.6
15+49.50	70.00' RT		19+20.25	95.00' RT	453.2
19+47.63	95.00' RT		20+07.00	14.00' RT	125.8
				<b>TOTALS</b>	<b>2,871.1</b>

DRIVEWAY PAVEMENT REMOVAL SCHEDULE		
STATION	LT/RT	44000200
		DRIVEWAY PAVEMENT REMOVAL
		SQ YD
MARSHALL AVE		
08+74.88	RT	5.2
09+11.10	LT	20.7
09+24.75	RT	20.4
09+67.11	LT	33.9
10+67.76	LT	26.1
13+32.46	LT	5.4
13+33.79	RT	3.5
13+89.75	LT	21.8
13+91.11	RT	9.1
16+36.16	RT	25.6
16+71.83	LT	23.7
16+87.74	RT	17.7
17+77.95	LT	43.7
17+83.68	RT	39.4
18+39.15	LT	18.2
<b>TOTALS</b>		<b>314.4</b>

PAVEMENT REMOVAL SCHEDULE			
STATION TO STATION	LT / RT	44000100	PAVEMENT REMOVAL
			SQ YD
MARSHALL AVE			
07+21.40	20+07.00		4149.6
17TH STREET	NORTH	LT	168.8
17TH STREET	SOUTH	RT	159.1
16TH STREET	NORTH	LT	183.9
16TH STREET	SOUTH	RT	182.7
15TH STREET	NORTH	LT	81.4
15TH STREET	SOUTH	RT	89.5
14TH STREET	NORTH	LT	290.8
14TH STREET	SOUTH	RT	279.7
<b>TOTALS</b>			<b>5,585.5</b>

REMOVAL SCHEDULE				
STATION	OFFSET	LT / RT	60500040	60500060
			REMOVING MANHOLES	REMOVING INLETS
			EACH	EACH
MARSHALL AVE				
7+50	22.6'	LT		1
7+97	22.4'	LT	1	
8+02	21.4'	LT		1
11+44	21.0'	LT		1
11+73	21.0'	LT		1
15+14	16.9'	RT		1
15+15	16.7'	LT		1
15+59	14.5'	LT		1
15+59	16.7'	RT		1
<b>TOTALS</b>			<b>1</b>	<b>8</b>

SEEDING SCHEDULE								
STATION	TO	STATION	OFFSET	25000100	25000400	25000500		
				SEEDING, CLASS 1	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2
				ACRE	POUND	POUND		
07+21.40		07+55.82	LT	0.01	0.6	0.6	0.6	0.01
07+97.98		09+05.10	LT	0.03	2.3	2.3	2.3	0.03
09+17.10		10+61.76	LT	0.05	4.7	4.7	4.7	0.05
10+73.76		11+44.62	LT	0.04	3.6	3.6	3.6	0.04
11+72.62		13+24.46	LT	0.07	6.2	6.2	6.2	0.07
13+40.46		13+83.74	LT	0.02	1.5	1.5	1.5	0.02
13+95.74		15+23.23	LT	0.04	3.3	3.3	3.3	0.04
15+50.41		16+65.83	LT	0.04	3.7	3.7	3.7	0.04
16+76.83		17+66.95	LT	0.03	3.1	3.1	3.1	0.03
17+88.95		18+33.15	LT	0.02	1.5	1.5	1.5	0.02
18+45.15		19+15.10	LT	0.02	1.5	1.5	1.5	0.02
19+44.20		20+07.00	LT	0.02	1.6	1.6	1.6	0.02
07+21.40		07+55.82	RT	0.01	0.8	0.8	0.8	0.01
07+97.42		08+68.88	RT	0.02	2.2	2.2	2.2	0.02
08+82.88		09+18.75	RT	0.01	1.2	1.2	1.2	0.01
09+32.75		10+04.04	RT	0.03	2.5	2.5	2.5	0.03
10+10.04		10+51.21	RT	0.01	1.1	1.1	1.1	0.01
10+63.21		11+43.24	RT	0.03	2.6	2.6	2.6	0.03
11+74.24		13+27.79	RT	0.06	5.3	5.3	5.3	0.06
13+39.79		13+82.11	RT	0.01	1.3	1.3	1.3	0.01
14+00.11		15+21.35	RT	0.05	4.3	4.3	4.3	0.05
15+51.44		16+29.66	RT	0.03	2.7	2.7	2.7	0.03
16+42.16		16+81.74	RT	0.01	1.2	1.2	1.2	0.01
16+93.74		17+74.18	RT	0.03	2.7	2.7	2.7	0.03
17+93.18		19+18.81	RT	0.04	4.0	4.0	4.0	0.04
19+50.38		20+07.00	RT	0.03	2.3	2.3	2.3	0.03
<b>TOTALS</b>				<b>0.76</b>	<b>67.7</b>	<b>67.7</b>	<b>67.7</b>	<b>0.76</b>

STRIPING SCHEDULE							
STATION	OFFSET	TO	STATION	OFFSET	78009004	78009006	78009024
					MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"
					FOOT	FOOT	FOOT
MARSHALL AVE							
07+21.40	0.00' LT		20+07.00	0.00' LT	330		
17TH STREET							
07+57.88	43.6' LT		07+76.87	43.5' LT			19
07+55.72	LT		07+98.11	LT		82	
07+55.77	RT		07+98.94	RT		83	
07+76.87	43.9' RT		07+95.85	43.9' RT			19
16TH STREET							
11+44.31	41.0' LT		11+58.70	41.0' LT			14
11+58.70	42.2' RT		11+72.90	42.2' RT			14
14TH STREET							
18+75.00	0.00' RT		18+75.00	14.00' RT			14
19+10.30	43.4' LT		19+29.06	43.4' LT			19
19+04.14	LT		19+45.38	LT		77	
19+15.53	RT		19+51.23	RT		68	
19+36.93	43.1' RT		19+48.93	43.2' RT			12
19+37.00	PARKING LANE AND DRIVE LANE				50		
19+80.00	0.00' LT		19+80.00	14.00' LT			14
MARSHALL AVE							
20+07.00	0.00' LT		39+00.58	0.00' LT	760	395	225
<b>TOTALS</b>					<b>1,140</b>	<b>705</b>	<b>350</b>

DRIVEWAY PAVEMENT SCHEDULE		
STATION	LT/RT	42300300
		PCC DRIVEWAY PAVEMENT, 7"
SQ YD		
MARSHALL AVE		
09+11.10	LT	43.5
09+67.11	LT	51.1
10+67.76	LT	43.1
13+32.46	LT	52.9
13+89.75	LT	42.8
16+71.83	LT	42.7
17+77.95	LT	68.5
18+39.15	LT	43.1
08+74.88	RT	44.7
09+24.75	RT	44.6
10+10.04	RT	44.4
10+57.21	RT	44.4
13+33.79	RT	44.1
13+91.11	RT	60.0
16+36.16	RT	46.5
16+87.74	RT	43.8
17+83.68	RT	62.3
<b>TOTALS</b>		
		<b>822.5</b>

DETECTABLE WARNING SCHEDULE		
LOCATION		42400800
		DETECTABLE WARNINGS
SQ FT		
17TH STREET		
	NW QUADRANT	22
	NE QUADRANT	20
	SW QUADRANT	24
	SE QUADRANT	24
16TH STREET		
	NW QUADRANT	22
	NE QUADRANT	20
	SW QUADRANT	24
	SE QUADRANT	24
15TH STREET		
	NW QUADRANT	20
	NE QUADRANT	22
	SW QUADRANT	22
	SE QUADRANT	24
14TH STREET		
	NW QUADRANT	20
	NE QUADRANT	20
	SW QUADRANT	22
	SE QUADRANT	22
<b>TOTALS</b>		
		<b>352</b>

SIDEWALK SCHEDULE				
STATION	TO	STATION	OFFSET	42400200
				PC CONCRETE SIDEWALK, 5"
SQ FT				
07+31.85		07+55.92	LT	268.0
07+97.88		08+20.78	LT	253.4
08+96.95		09+05.10	LT	32.6
09+17.10		09+59.61	LT	170.0
09+74.61		09+79.61	LT	20.0
10+56.76		10+61.76	LT	20.0
10+73.76		10+78.76	LT	20.0
11+13.55		11+42.41	LT	307.6
11+74.80		12+00.75	LT	285.2
13+19.46		13+24.46	LT	20.0
13+40.46		13+83.74	LT	173.1
13+95.74		14+00.74	LT	20.0
14+91.21		15+21.66	LT	307.5
15+52.00		16+65.83	LT	747.1
16+77.83		17+66.95	LT	445.6
17+88.95		18+33.15	LT	221.0
18+45.15		19+06.42	LT	430.9
19+45.29		19+80.93	LT	334.8
07+31.89		07+55.88	RT	296.9
07+97.75		08+68.88	RT	598.3
08+80.88		09+18.75	RT	227.3
09+30.75		10+04.04	RT	439.8
10+16.04		10+51.21	RT	211.0
10+63.21		11+42.79	RT	668.2
11+74.75		13+27.79	RT	1114.6
13+39.79		13+82.11	RT	253.9
14+00.11		14+05.11	RT	30.0
14+93.71		15+21.35	RT	323.1
15+51.59		16+29.66	RT	661.3
16+42.66		16+47.66	RT	30.0
16+76.74		16+81.74	RT	30.0
16+93.74		16+98.74	RT	30.0
17+69.18		17+74.18	RT	30.0
17+93.18		19+15.86	RT	882.0
19+50.93		19+87.95	RT	291.1
<b>TOTALS</b>				<b>10,194.3</b>

PAVEMENT SCHEDULE						
STATION TO STATION	LT / RT	3:101000	42000060	X4200408	42000300	
		SUBBASE GRANULAR MATERIAL, TYPE B	WELDED WIRE REINFORCEMENT	PC CONCRETE PAVEMENT, 8" SPECIAL	PC CONCRETE PAVEMENT, 8"	
		TON	SQ YD	SQ YD	SQ YD	
MARSHALL AVE						
07+21.40	20+07.00	LT / RT	2093.2	3999.7	3999.7	
17TH STREET	NORTH	LT	81.0	178.8	178.8	
17TH STREET	SOUTH	RT	79.9	176.7	176.7	
16TH STREET	TRANSITION	LT	20.0			76.6
16TH STREET	NORTH	LT	65.3	142.3	142.3	
16TH STREET	SOUTH	RT	65.3	142.3	142.3	
16TH STREET	TRANSITION	RT	20.0			76.6
15TH STREET	NORTH	LT	40.4	85.8	85.8	
15TH STREET	SOUTH	RT	42.0	89.3	89.3	
14TH STREET	TRANSITION	LT	20.2			77.2
14TH STREET	NORTH	LT	98.1	211.6	211.6	
14TH STREET	SOUTH	RT	112.9	236.3	236.3	
14TH STREET	TRANSITION	RT	20.5			78.9
<b>TOTALS</b>			<b>2,758.8</b>	<b>5,262.8</b>	<b>5,262.8</b>	<b>309.3</b>

REMOVING AND RESETTING STREET SIGNS & POSTS					
STATION	LT/RT	TYPE SIGN	72900100	72800100	Z0051500
			METAL POST, TYPE A	TELESCOPING SIGN SUPPORT	REMOVING AND RESETTING STREET SIGNS
			FOOT	FOOT	EACH
MARSHALL AVE					
7+46	RT	STREET		14.0	1
7+53	LT	STOP		15.5	1
8+00	RT	STOP		15.5	1
8+63	RT	NO PARK	12.0		1
10+16	RT	NO PARK	12.0		1
11+40	LT	STOP		15.5	1
11+77	RT	STOP		15.5	1
12+60	RT	NO PARK	12.0		1
14+43	LT	NO PARK	12.0		1
15+20	LT	STOP		15.5	1
15+54	RT	STOP/STREET		17.0	1
16+23	RT	NO PARK	12.0		1
18+29	LT	NO PARK	12.0		1
18+75	RT	STOP/STREET/4 WAY		17.5	1
19+06	LT	STOP/4 WAY	16.0		1
19+50	RT	STOP/4 WAY	16.0		1
19+80	LT	STOP/4 WAY	16.0		1
20+07	RT	NO PARK	12.0		1
<b>TOTALS</b>			<b>132.0</b>	<b>126.0</b>	<b>18</b>

SEE SHEET 14 FOR STORM SEWER STRUCTURE TABLE, STORM SEWER SCHEDULE, AND MANHOLES TO BE ADJUSTED.



**LEGEND**

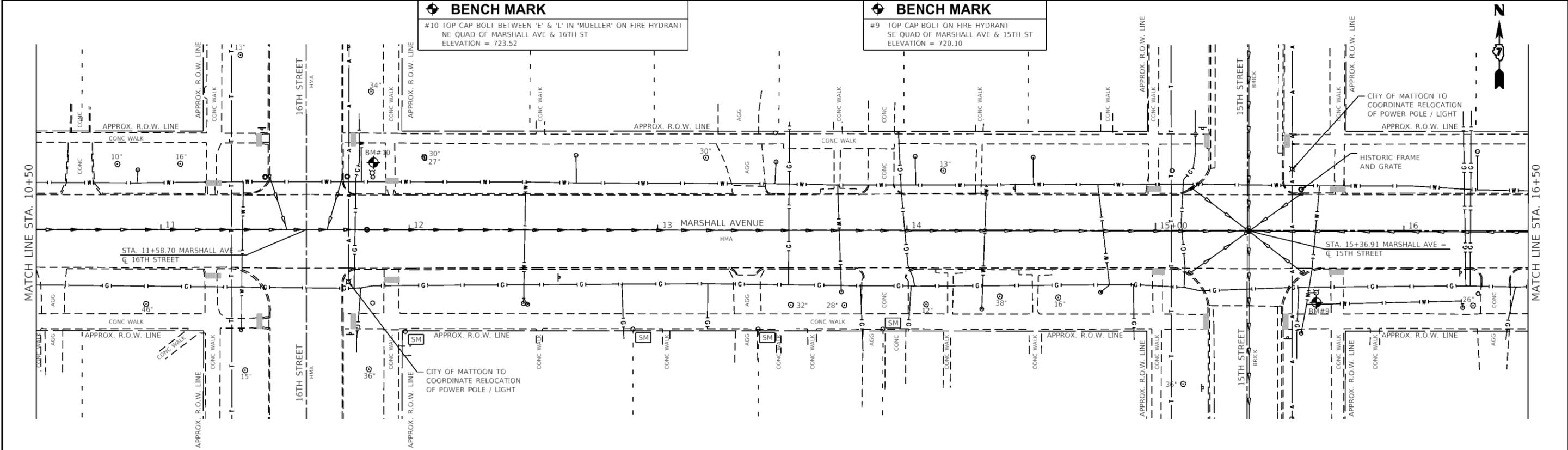
—A—A—	AERIAL LINE
—S—S—	COMBINED SEWER
—FO—FO—	FIBER OPTIC LINE
—G—G—	GAS MAIN
—SS—SS—	SANITARY SEWER
—T—T—	STORM SEWER
—U—U—	UNDERGROUND TELEPHONE LINE
—W—W—	WATER LINE
- - - - -720-	CONTOUR LINE
○	SIGN
○	LIGHT POLE
○	POWER POLE
○	DOWN GUY
○	FIRE HYDRANT
○	MANHOLE
○	INLET
○	PEDESTAL
○	HANDHOLE
○	WATER VALVE
○	WATER METER
SM	SURVEY MARKER FOUND
○	TREE (DIAMETER)

BEGIN PAVEMENT REMOVAL  
STA. 7+21.40

**BENCH MARK**  
#11 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT  
NW QUAD OF MARSHALL AVE & 17TH ST  
ELEVATION = 723.40

**BENCH MARK**  
#10 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT  
NE QUAD OF MARSHALL AVE & 16TH ST  
ELEVATION = 723.52

**BENCH MARK**  
#9 TOP CAP BOLT ON FIRE HYDRANT  
SE QUAD OF MARSHALL AVE & 15TH ST  
ELEVATION = 720.10



FILE NAME :  
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USER NAME = Sto37  
DRAWN - TLW  
PLOT SCALE = 48.0000' / in.  
PLOT DATE = 12/13/2019

DESIGNED - EAC  
CHECKED - SAL  
DATE - OCT. 2019

REVISED -  
REVISED -  
REVISED -  
REVISED -

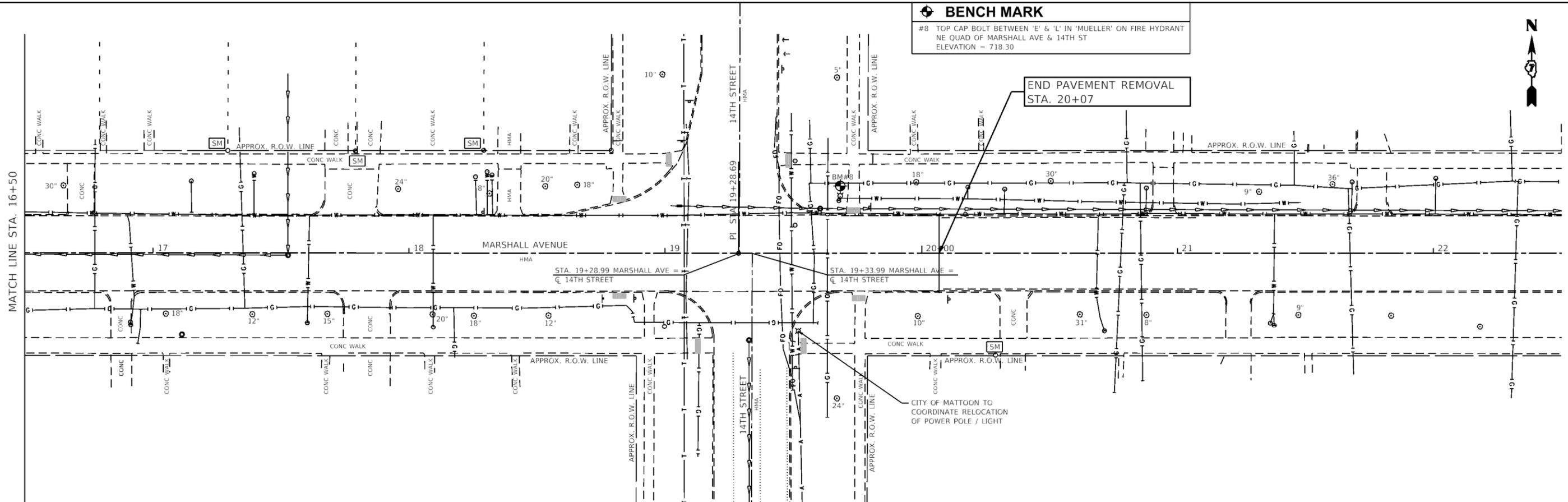
**The Upchurch Group**  
123 North 15th Street Mattoon, Illinois 61938  
Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
14TH STREET TO 17TH STREET  
CITY OF MATTOON, ILLINOIS 61938  
SCALE: 40.0000' / in. PROJECT: 3118104

**EXISTING PLAN**  
STA. 7+21.40 TO STA. 16+50

TOTAL SHEETS	SHEET NO.
40	9

**BENCH MARK**  
 #8 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT  
 NE QUAD OF MARSHALL AVE & 14TH ST  
 ELEVATION = 718.30



**LEGEND**

- A — A — AERIAL LINE
- CS — CS — COMBINED SEWER
- FO — FO — FIBER OPTIC LINE
- G — G — GAS MAIN
- SS — SS — SANITARY SEWER
- S — S — STORM SEWER
- UT — UT — UNDERGROUND TELEPHONE LINE
- W — W — WATER LINE
- - - 720 - - - CONTOUR LINE
- ⊕ SIGN
- ⊕ LIGHT POLE
- ⊕ POWER POLE
- ⊕ DOWN GUY
- ⊕ FIRE HYDRANT
- ⊕ MANHOLE
- ⊕ INLET
- ⊕ PEDESTAL
- ⊕ HANDHOLE
- ⊕ WATER VALVE
- ⊕ WATER METER
- SM SURVEY MARKER FOUND
- ⊕ 24" TREE (DIAMETER)

FILE NAME =	USER NAME = Sta37	DESIGNED - EAC	REVISED -
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	PLOT DATE = 12/13/2019	DATE - OCT. 2019	REVISED -

**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
 Professional Design Firm Corporation License No. 184-003401

<b>MARSHALL AVENUE RECONSTRUCTION - PHASE 3</b>	
14TH STREET TO 17TH STREET CITY OF MATTOON, ILLINOIS 61938	
SCALE: 40.0000' / in.	PROJECT: 3118104

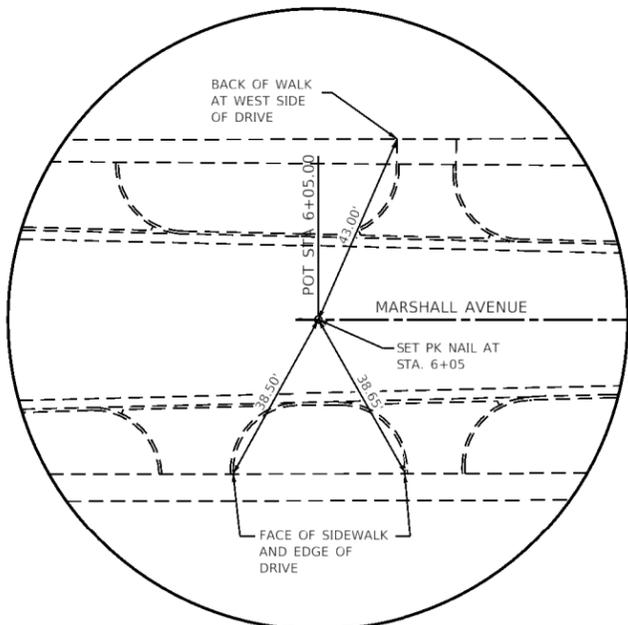
<b>EXISTING PLAN</b>		TOTAL SHEETS	SHEET NO.
STA. 16 + 50 TO STA. 22 + 30		40	10

**GENERAL NOTES**

1. ALL RADII DIMENSIONS ARE TO FACE OF CURB. CONTRACTOR SHALL TRANSFER BENCH MARK ELEVATIONS TO A PERMANENT BENCH MARK LOCATION BEFORE FIRE HYDRANTS THAT NEED TO BE RELOCATED ARE ACTUALLY RELOCATED.
- 2.

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DATE	
	BY	
	NO.	

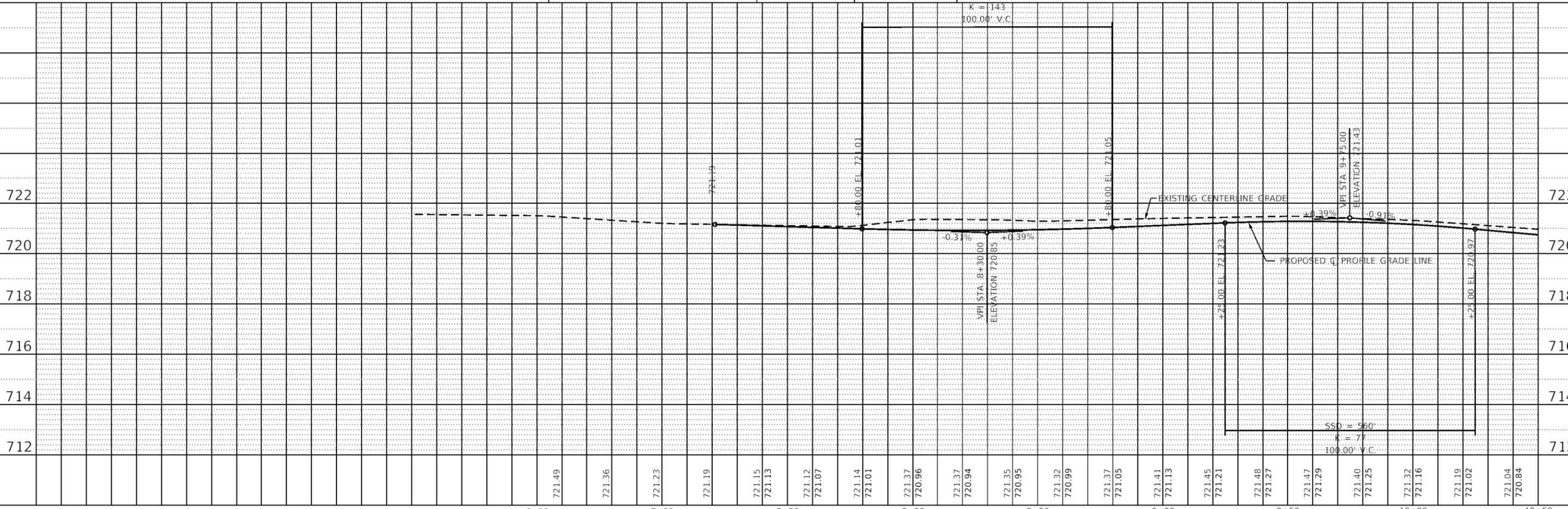
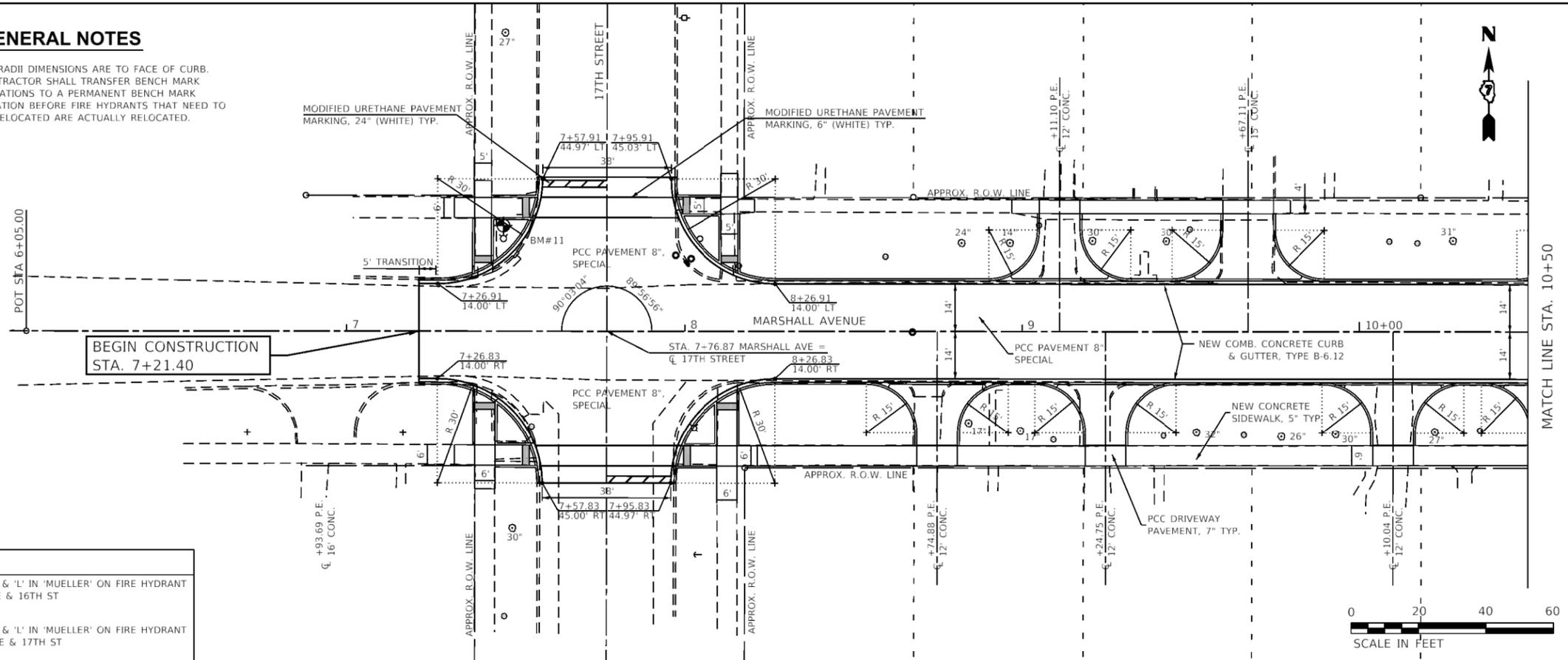
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHRD	
	NO.	



**BASELINE TIE STA. 6+05**

**BENCH MARKS**

- #8 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT NE QUAD OF MARSHALL AVE & 14TH ST ELEVATION = 718.30
- #9 TOP CAP BOLT ON FIRE HYDRANT SE QUAD OF MARSHALL AVE & 15TH ST ELEVATION = 720.10
- #10 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT NE QUAD OF MARSHALL AVE & 16TH ST ELEVATION = 723.52
- #11 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT NW QUAD OF MARSHALL AVE & 17TH ST ELEVATION = 723.40



FILE NAME :	USER NAME = S2037	DESIGNED - EAC	REVISED -
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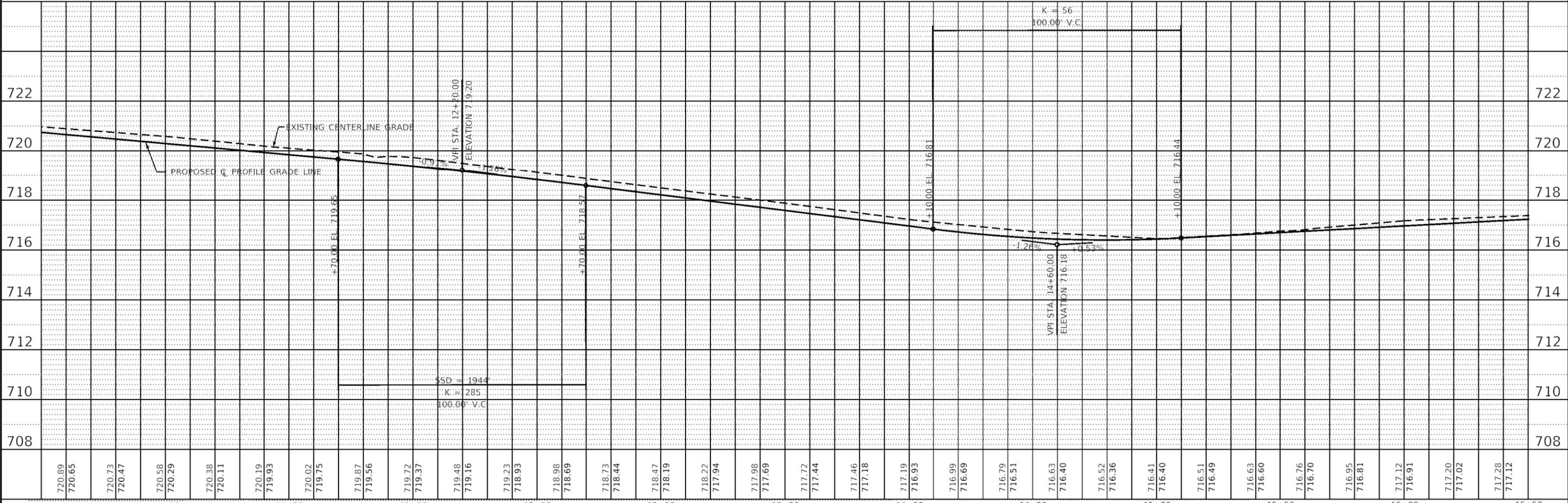
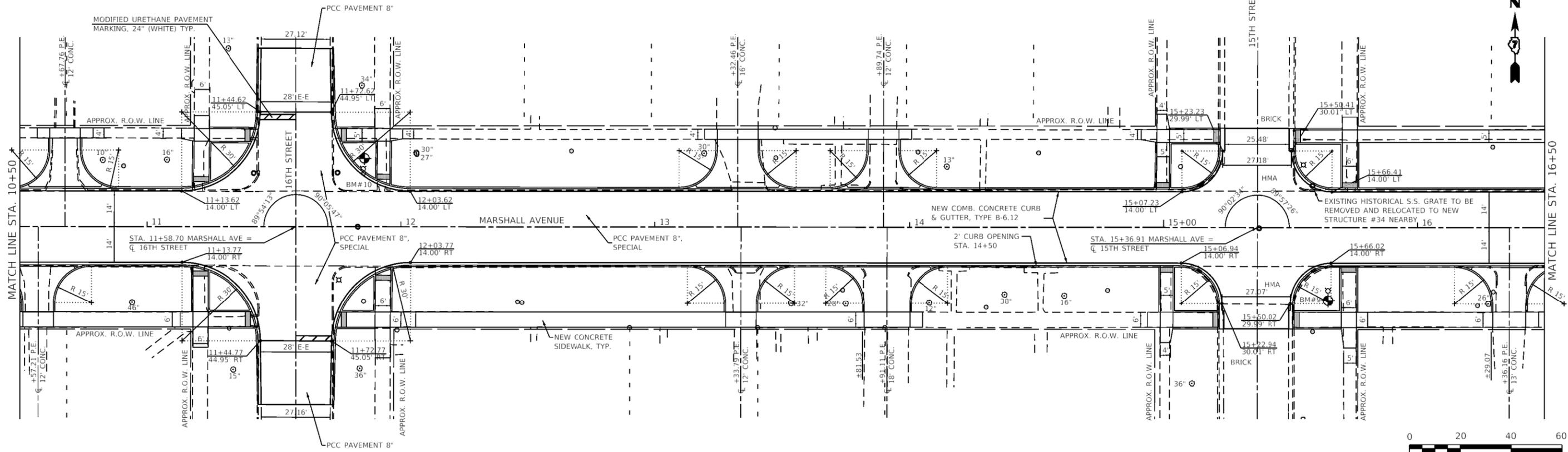
**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
 Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 SCALE: 40.0000' / in. PROJECT: 3118104

<b>PLAN AND PROFILE</b>	TOTAL SHEETS	SHEET NO.
STA. 7+21.40 TO STA. 10+50	40	11

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	NO. _____	
	STRUCTURE	
	NOTATIONS	
	CHRD	



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Default	PLOT SCALE = 48.0000' / in.	CHECKED - SAL	REVISED -
	PLOT DATE = 12/13/2019	DATE - OCT. 2019	REVISED -

**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
 Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938

**PLAN AND PROFILE**  
 STA. 10+50 TO STA. 16+50

SCALE: 40.0000' / in.	PROJECT: 3118104	TOTAL SHEETS: 40	SHEET NO.: 12
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PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	DATE		
	NO.		

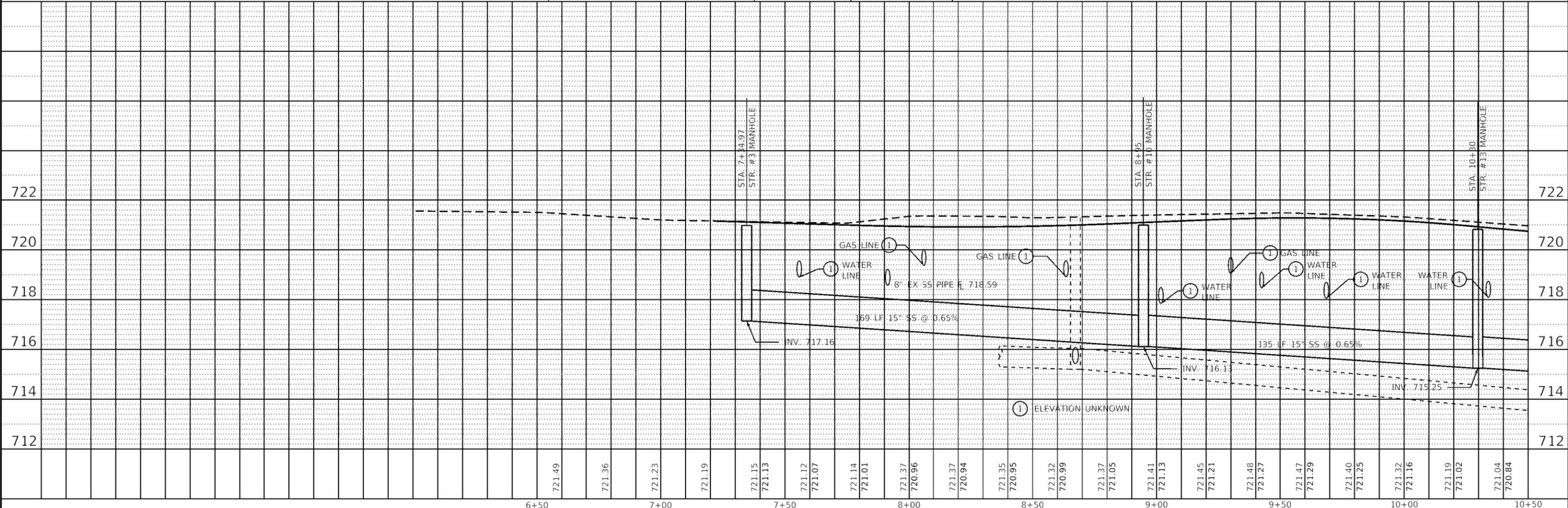
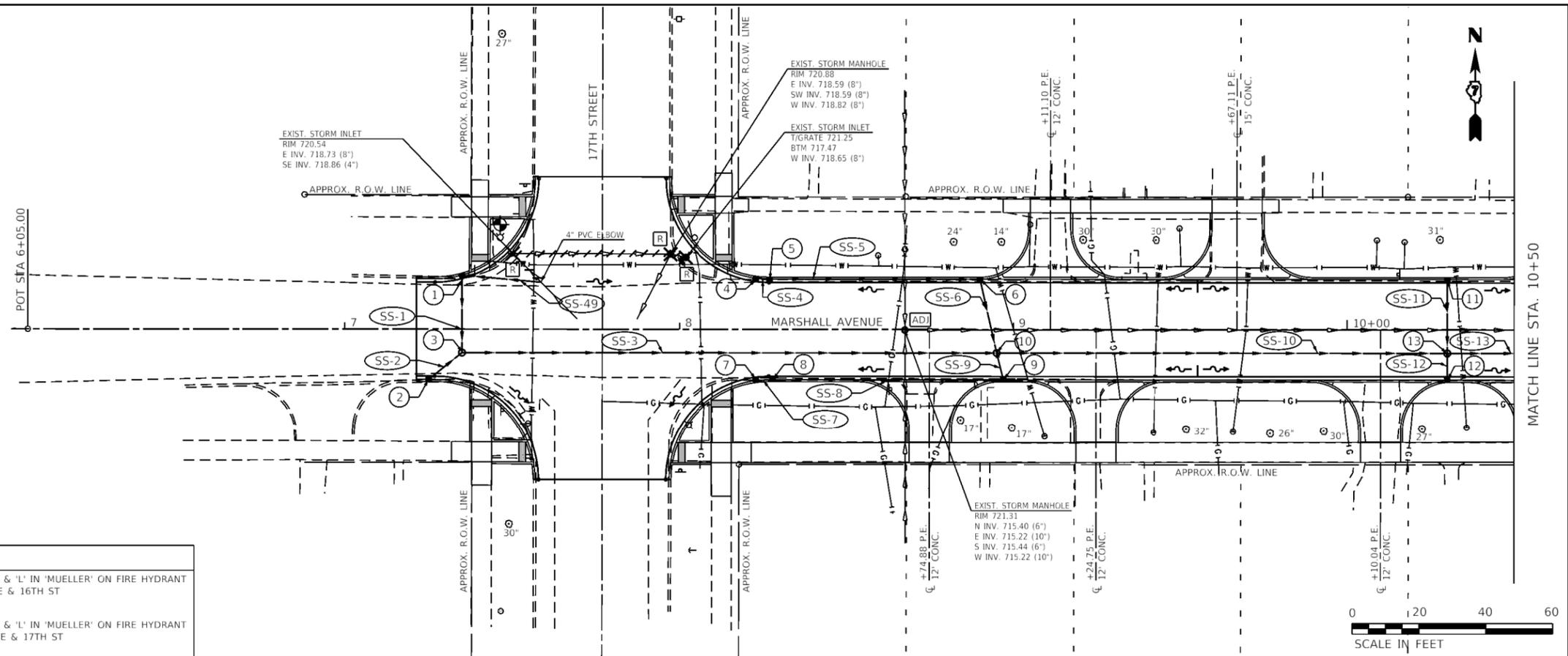
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	DATE		
	NO.		

**LEGEND**

- ADJ EXISTING STRUCTURE TO BE ADJUSTED
- R EXISTING STRUCTURE TO BE REMOVED
- EXISTING SEWER TO BE REMOVED
- NEW STORM SEWER
- NEW INLET
- NEW MANHOLE
- NEW STRUCTURE NUMBER
- NEW SEWER SEGMENT SEE STORM SEWER SCHEDULES SHEET 14

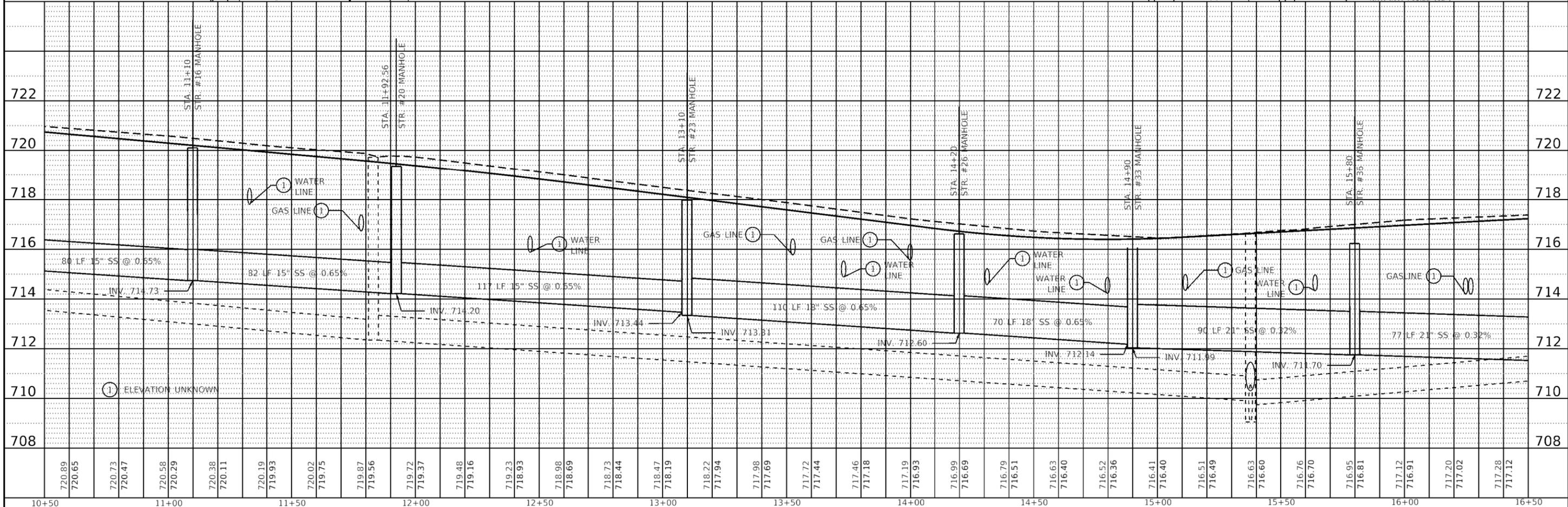
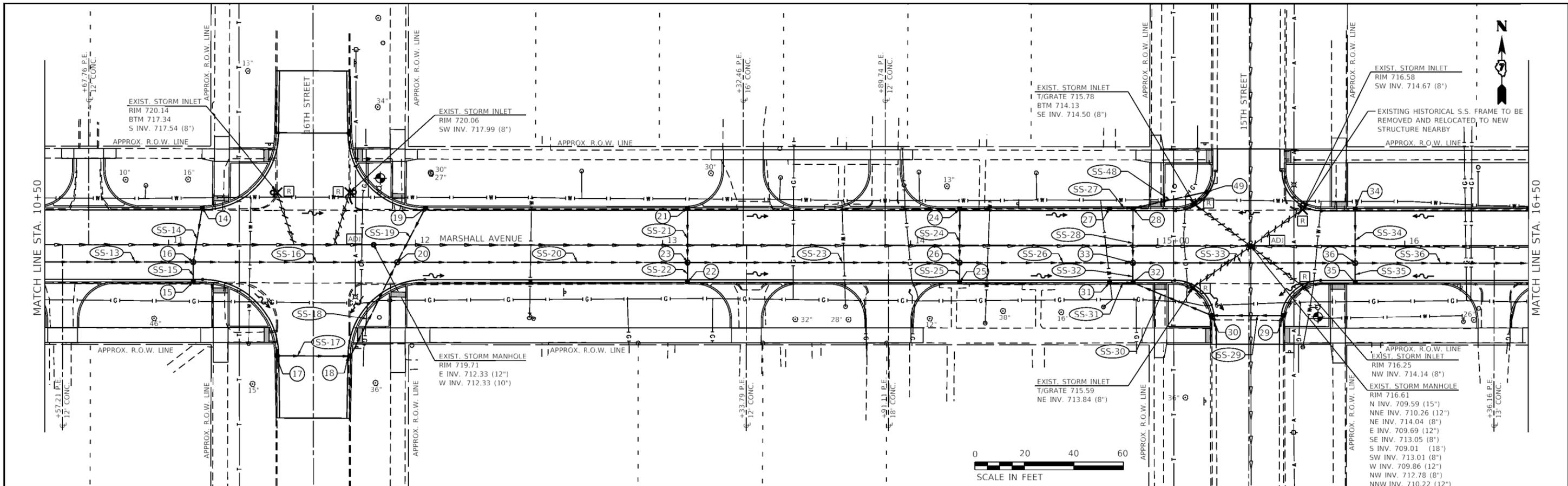
**BENCH MARKS**

#8 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT NE QUAD OF MARSHALL AVE & 14TH ST ELEVATION = 718.30	#10 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT NE QUAD OF MARSHALL AVE & 16TH ST ELEVATION = 723.52
#9 TOP CAP BOLT ON FIRE HYDRANT SE QUAD OF MARSHALL AVE & 15TH ST ELEVATION = 720.10	#11 TOP CAP BOLT BETWEEN 'E' & 'L' IN 'MUELLER' ON FIRE HYDRANT NW QUAD OF MARSHALL AVE & 17TH ST ELEVATION = 723.40



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	
	NO. 7	
	NO. 8	
	NO. 9	
	NO. 10	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	
	NO. 7	
	NO. 8	
	NO. 9	
	NO. 10	



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Default		CHECKED - SAL	REVISED -
		DATE - OCT. 2019	REVISED -

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 Professional Design Firm Corporation License No. 184-003401

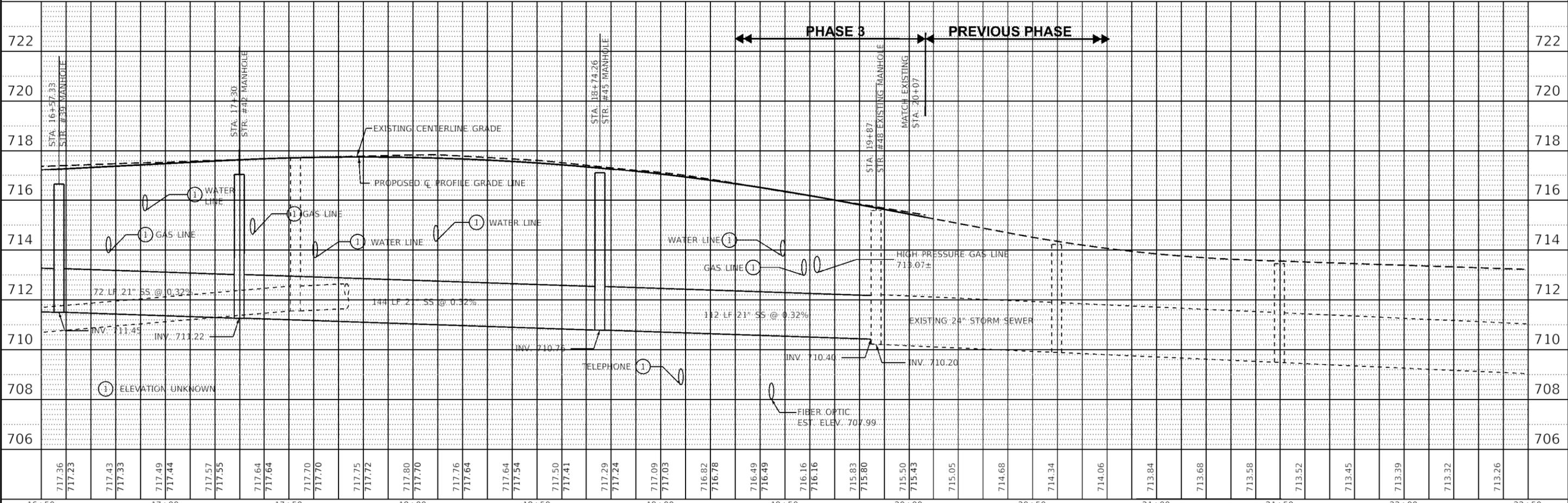
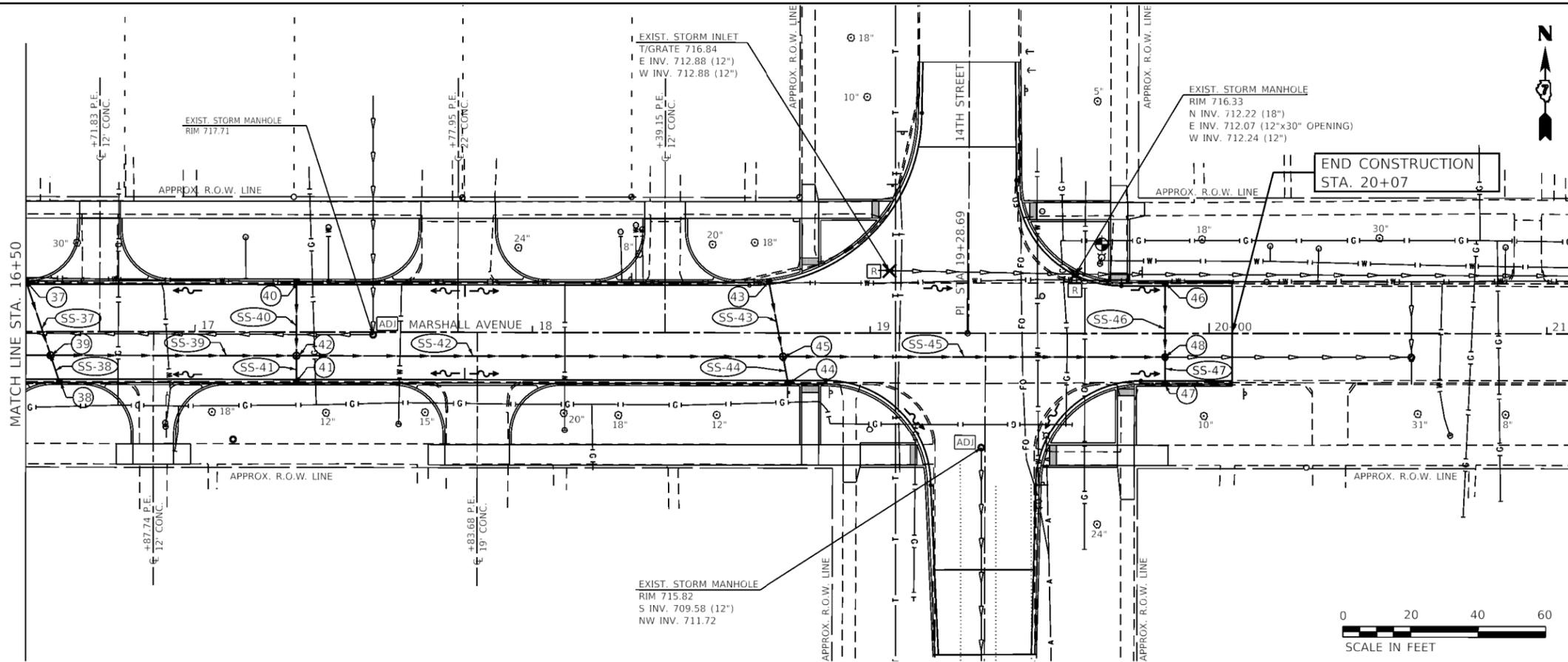
**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 SCALE: 40.0000' / in. PROJECT: 3118104

**DRAINAGE PLAN AND PROFILE**  
 STA. 10+50 TO STA. 16+50  
 TOTAL SHEETS: 40 SHEET NO.: 16



PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	



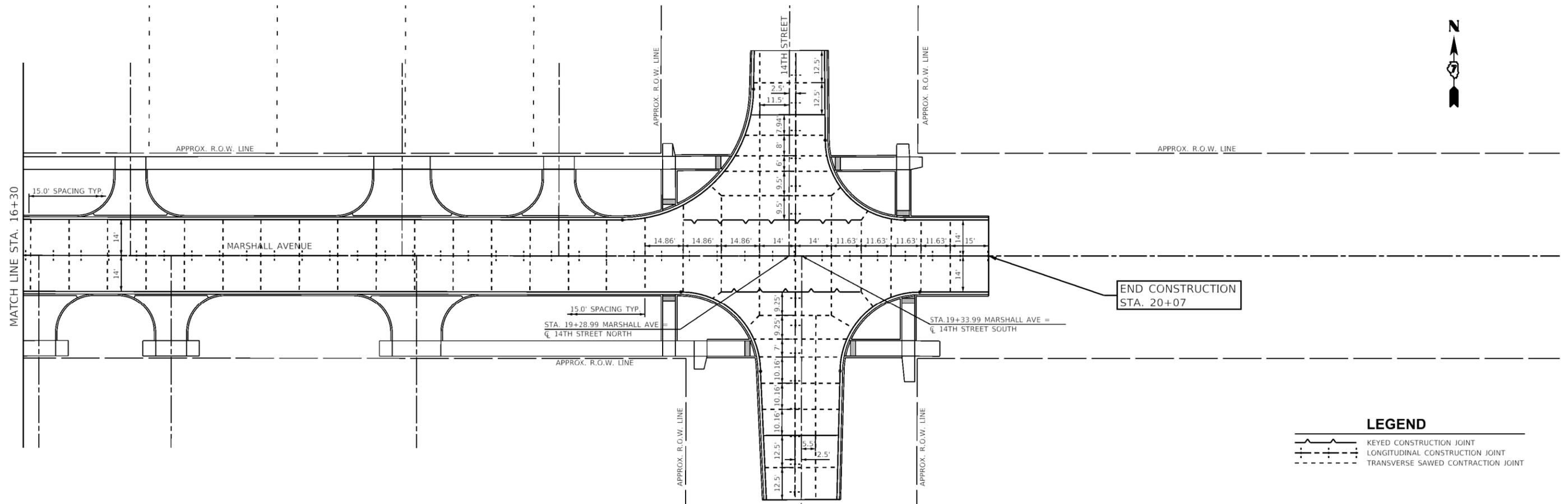
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**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
 Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 SCALE: 40.0000 / in. PROJECT: 3118104

<b>DRAINAGE PLAN AND PROFILE</b>	TOTAL SHEETS	SHEET NO.
<b>STA. 16 + 50 TO STA. 21 + 00</b>	40	17





**LEGEND**

	KEYED CONSTRUCTION JOINT
	LONGITUDINAL CONSTRUCTION JOINT
	TRANSVERSE SAWED CONTRACTION JOINT

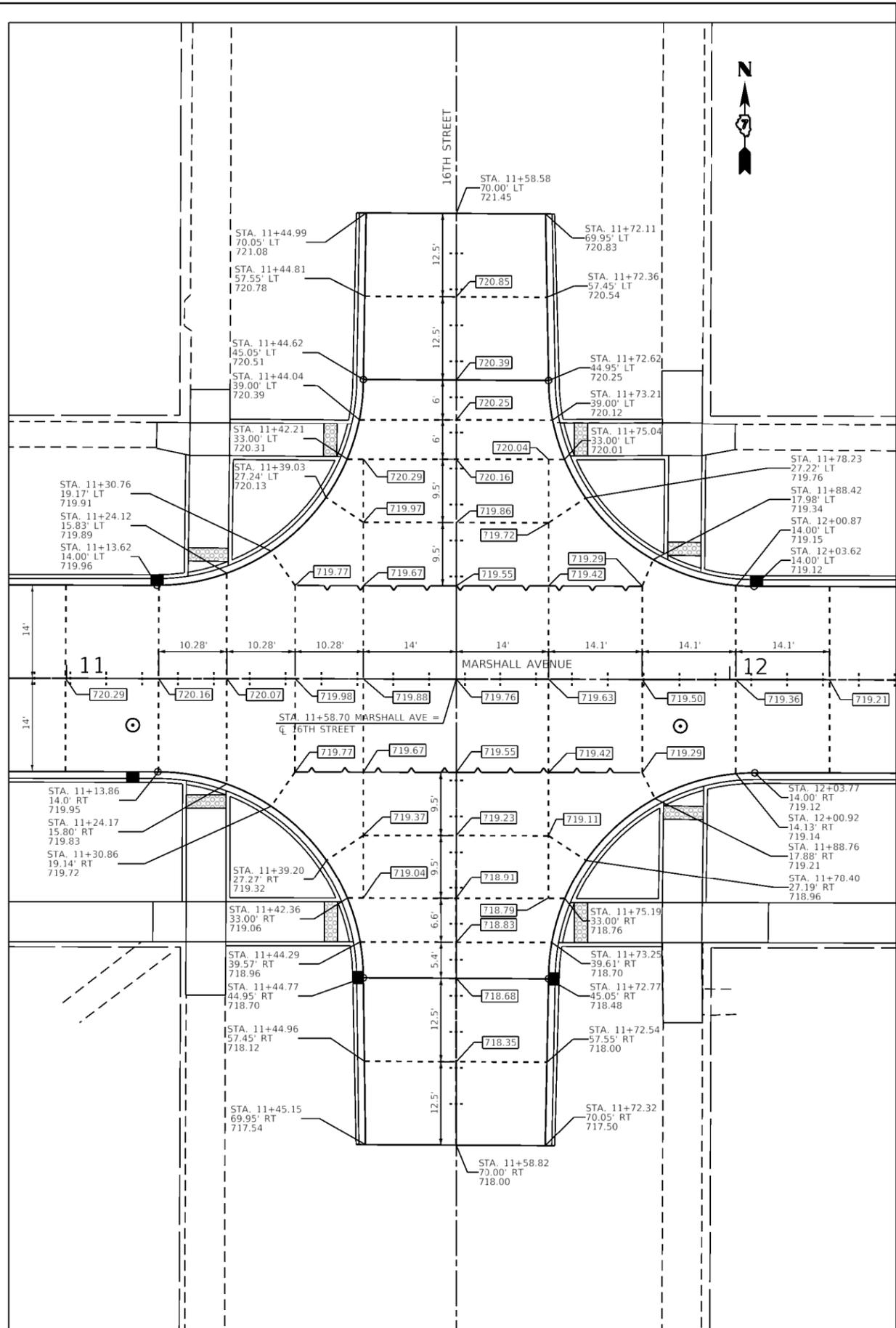
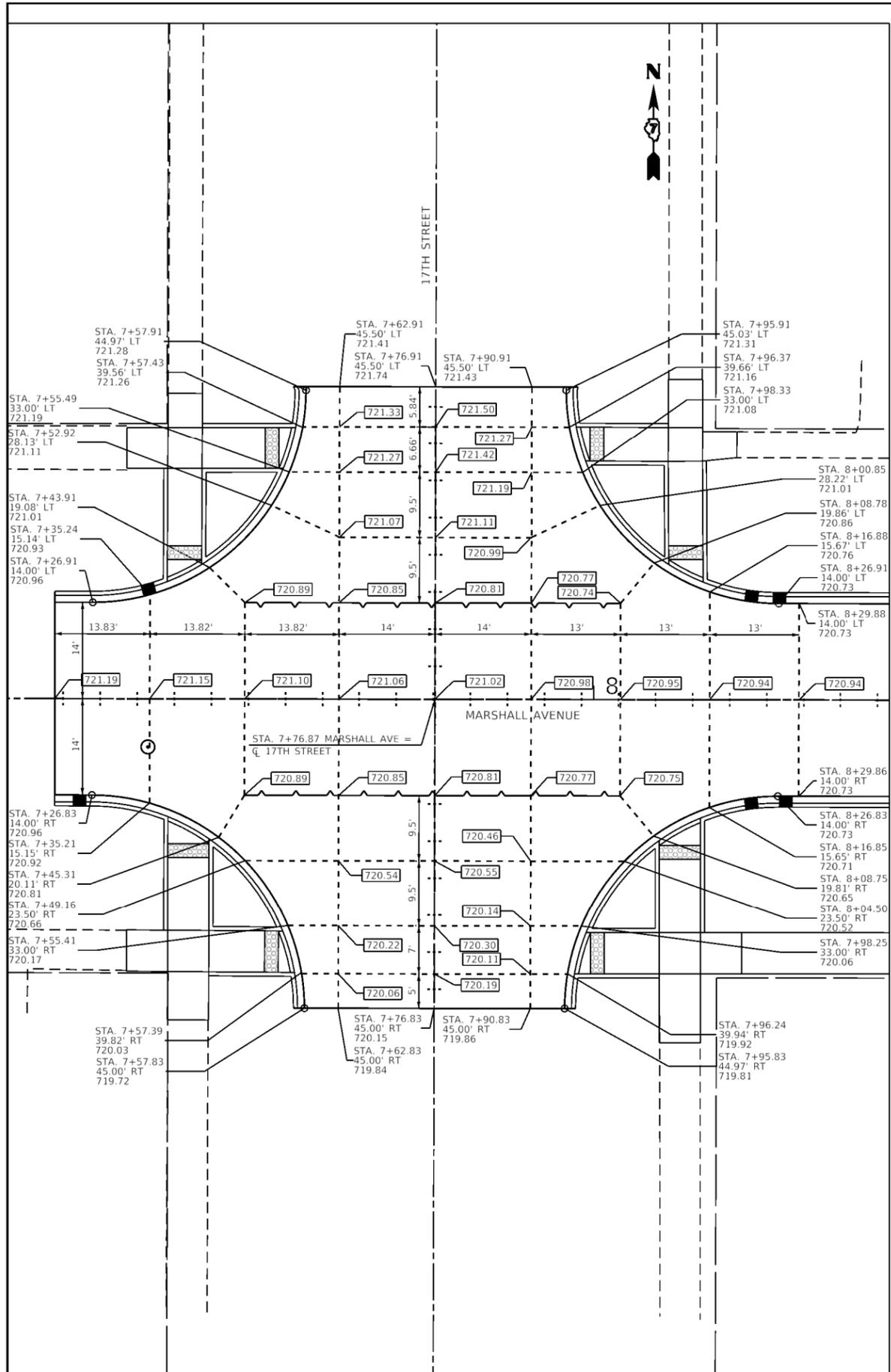
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**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 SCALE: 40,0000' / in. PROJECT: 3118104

**PAVEMENT JOINT LAYOUT**  
 STA. 16 + 30 TO STA. 20 + 07

TOTAL SHEETS	SHEET NO.
40	19

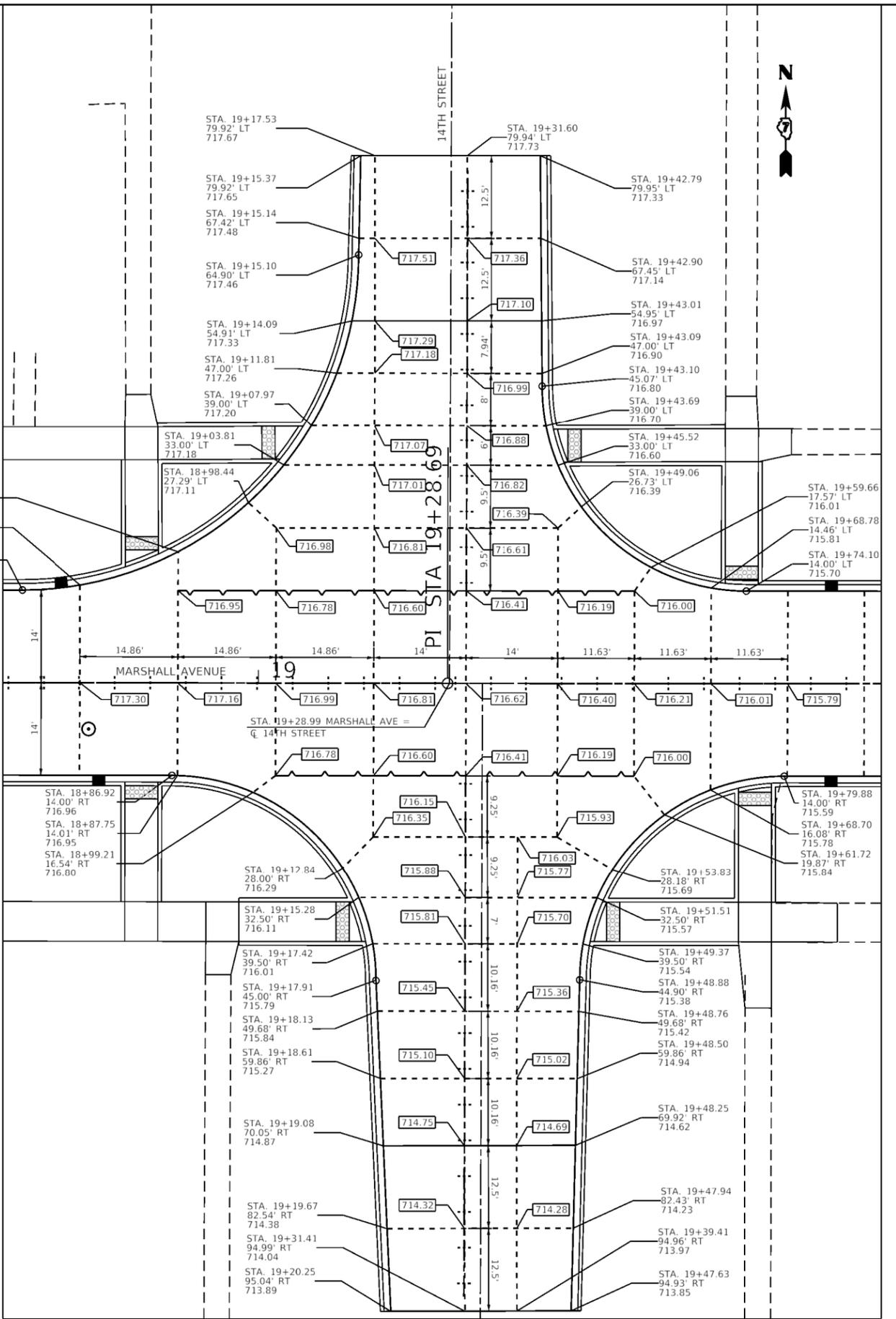
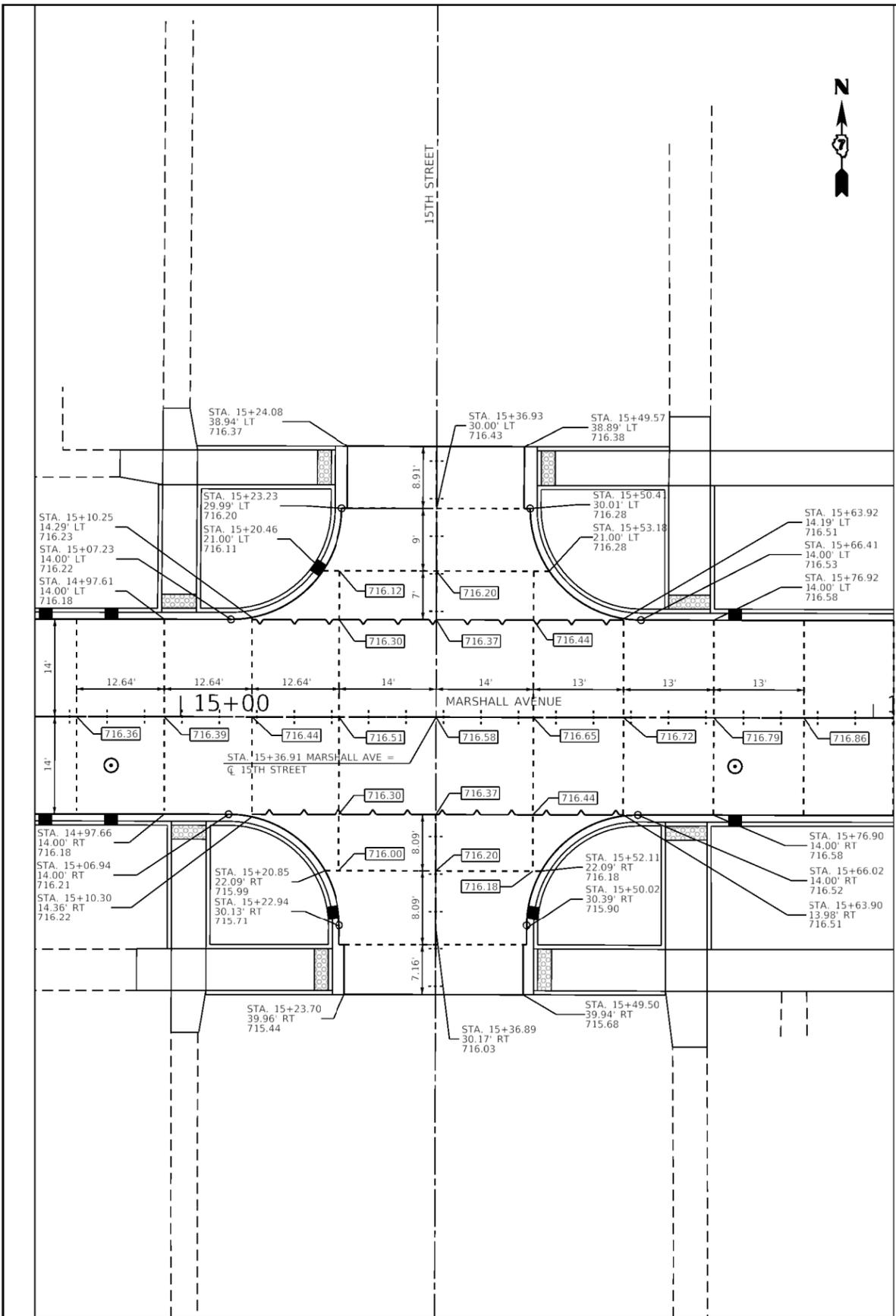


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**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
Professional Design Firm Corporation License No. 184-003401

<b>MARSHALL AVENUE RECONSTRUCTION - PHASE 3</b> 14TH STREET TO 17TH STREET CITY OF MATTOON, ILLINOIS 61938	
SCALE: 20.0000' / in.	PROJECT: 3118104

<b>INTERSECTION ELEVATIONS</b> 17TH STREET & 16TH STREET	TOTAL SHEETS <b>40</b>	SHEET NO. <b>20</b>
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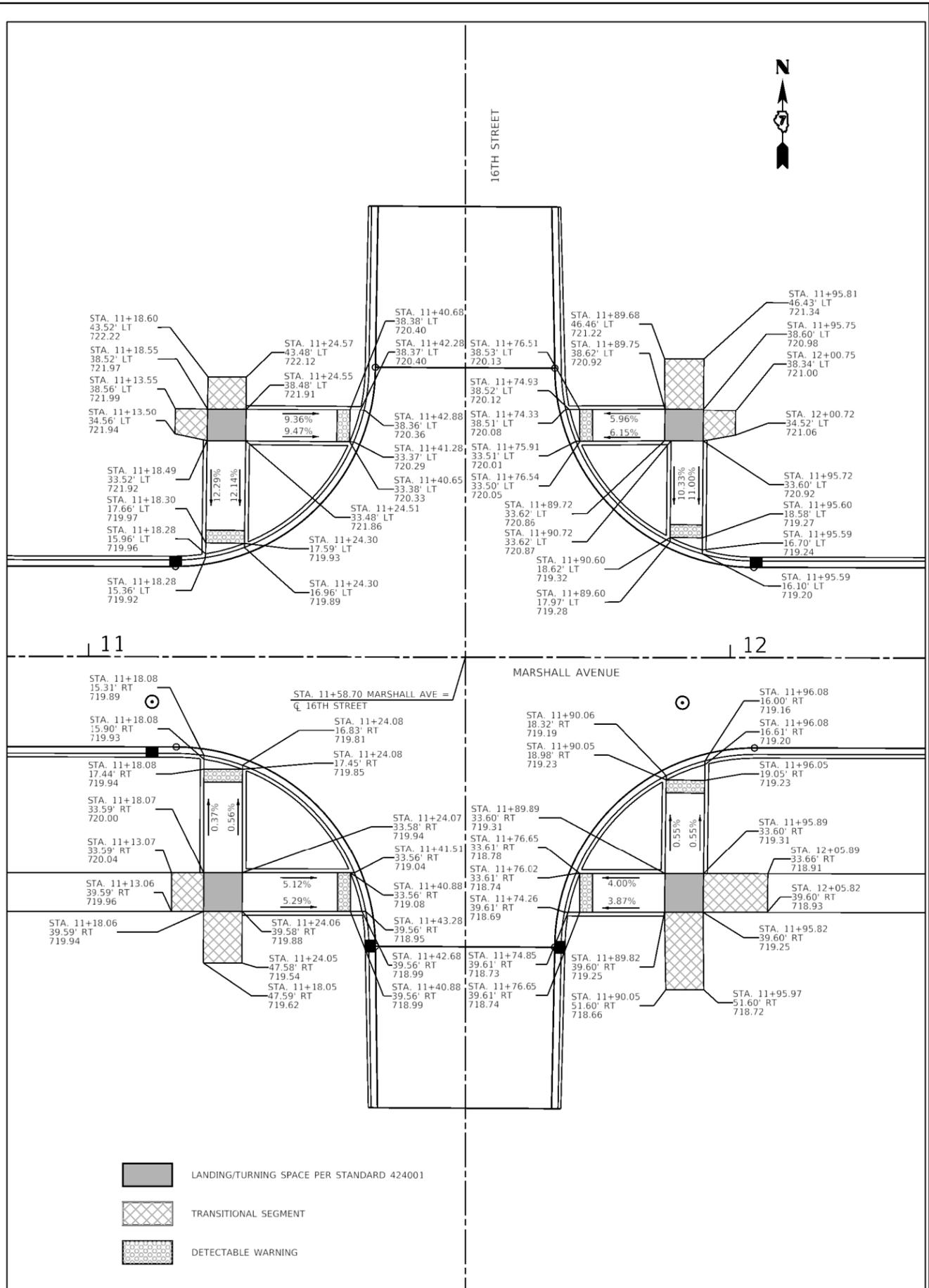
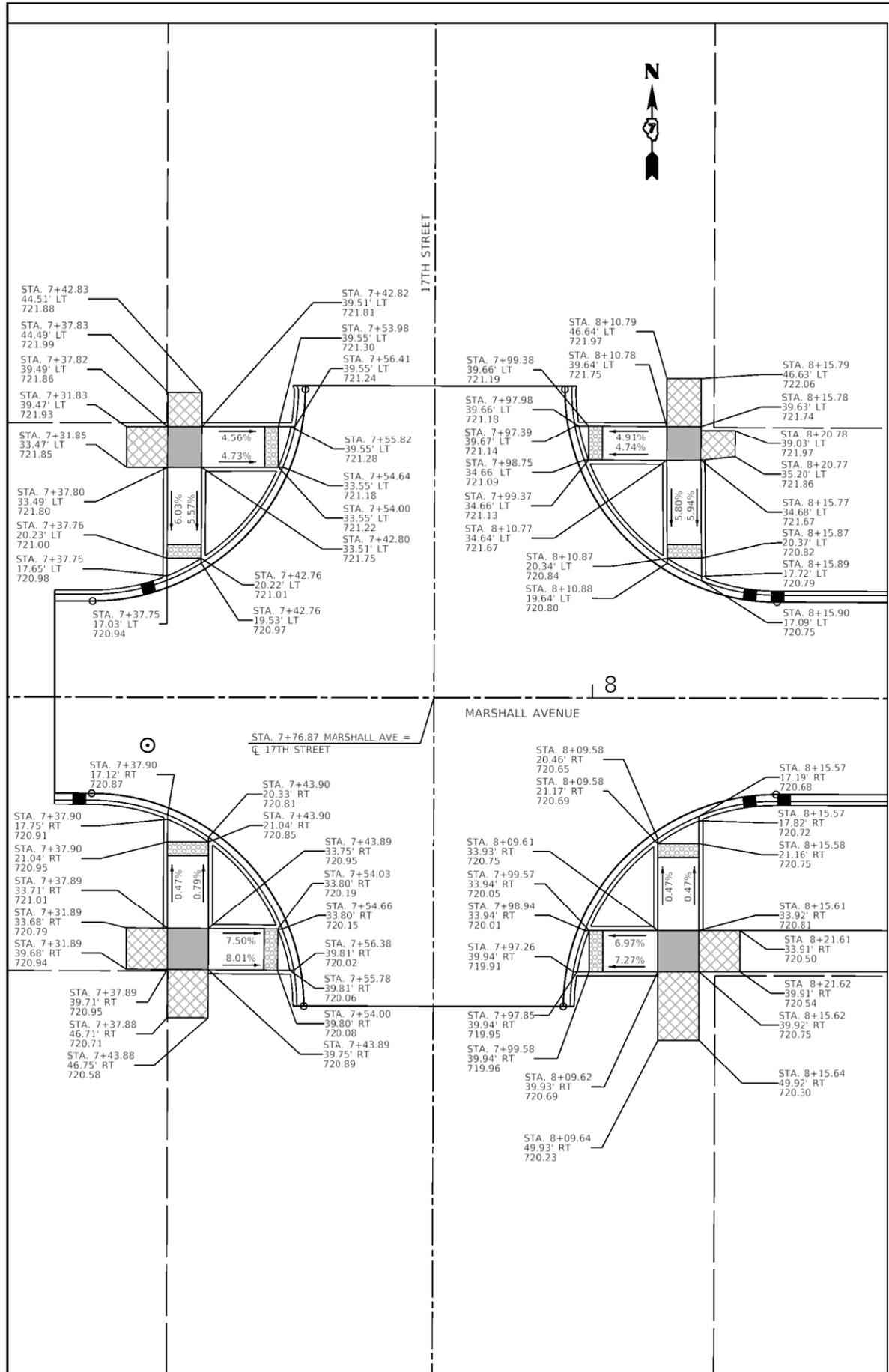


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**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 SCALE: 20.0000' / in. PROJECT: 3118104

<b>INTERSECTION ELEVATIONS</b> <b>15TH STREET &amp;</b> <b>14TH STREET</b>	TOTAL SHEETS <b>40</b>	SHEET NO. <b>21</b>
--	---------------------------	------------------------

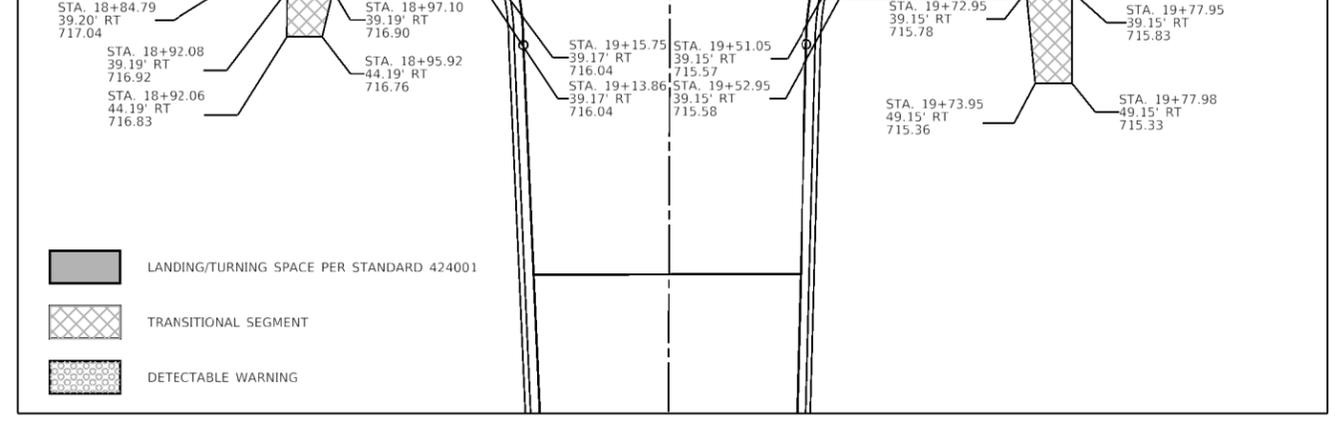
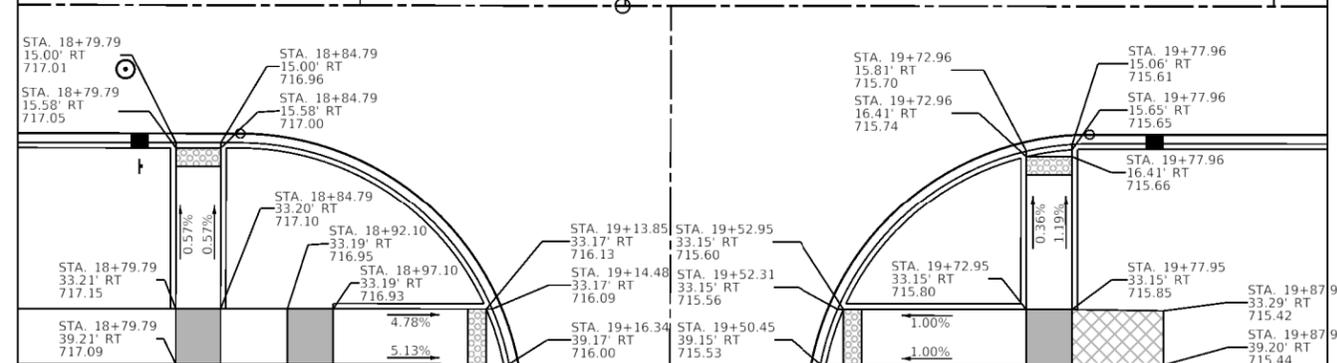
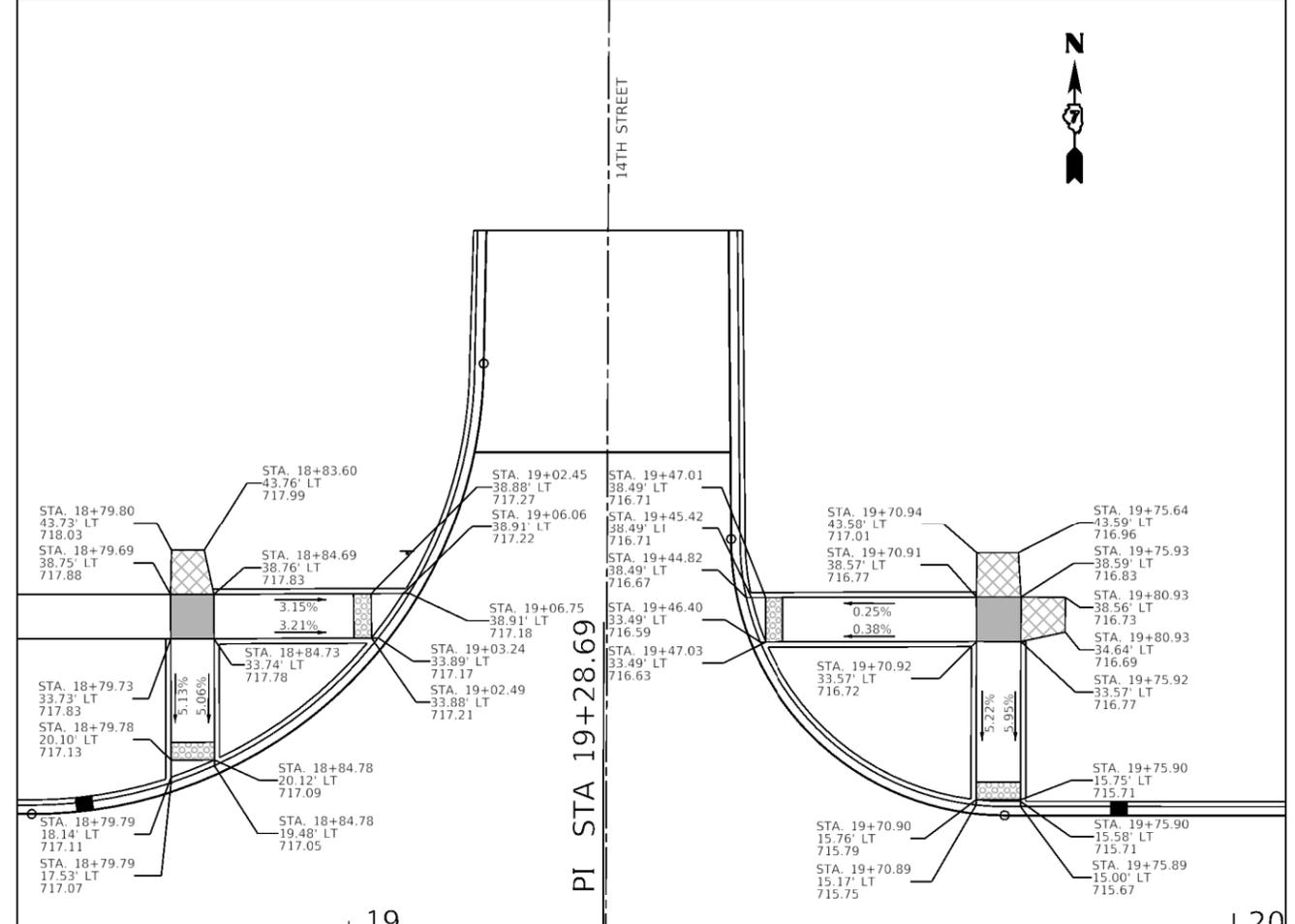
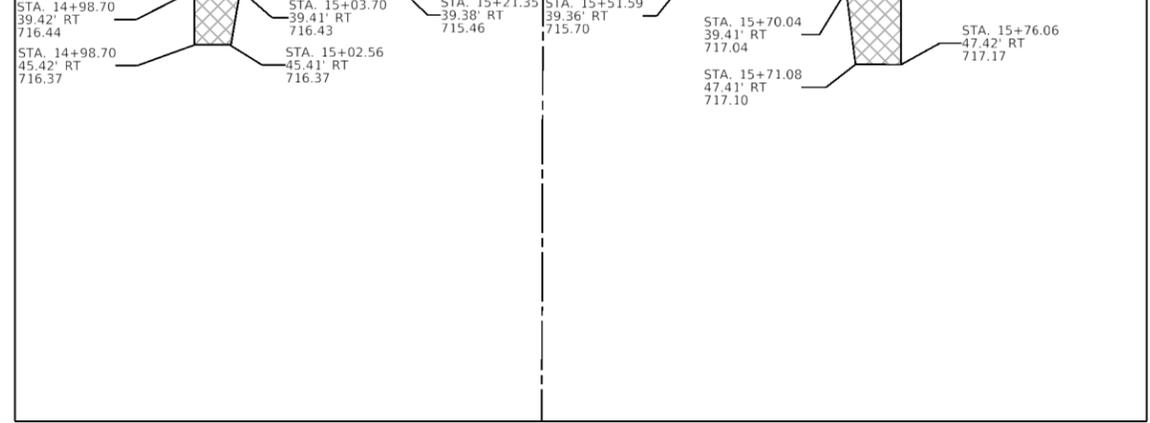
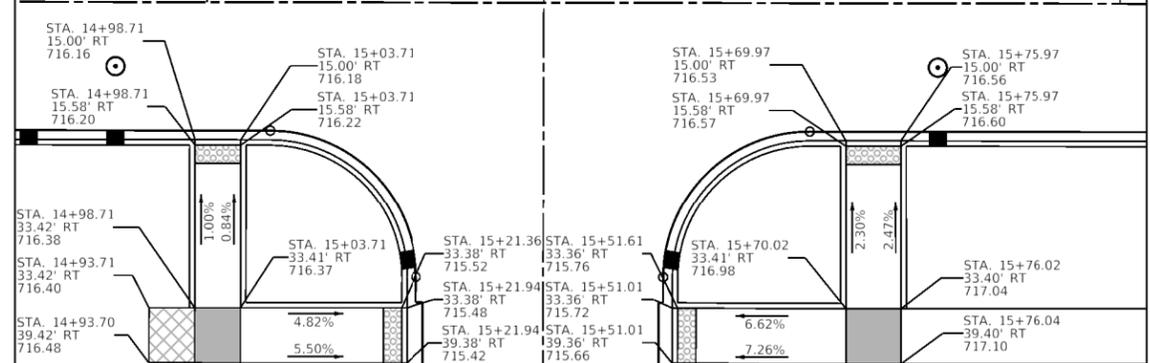
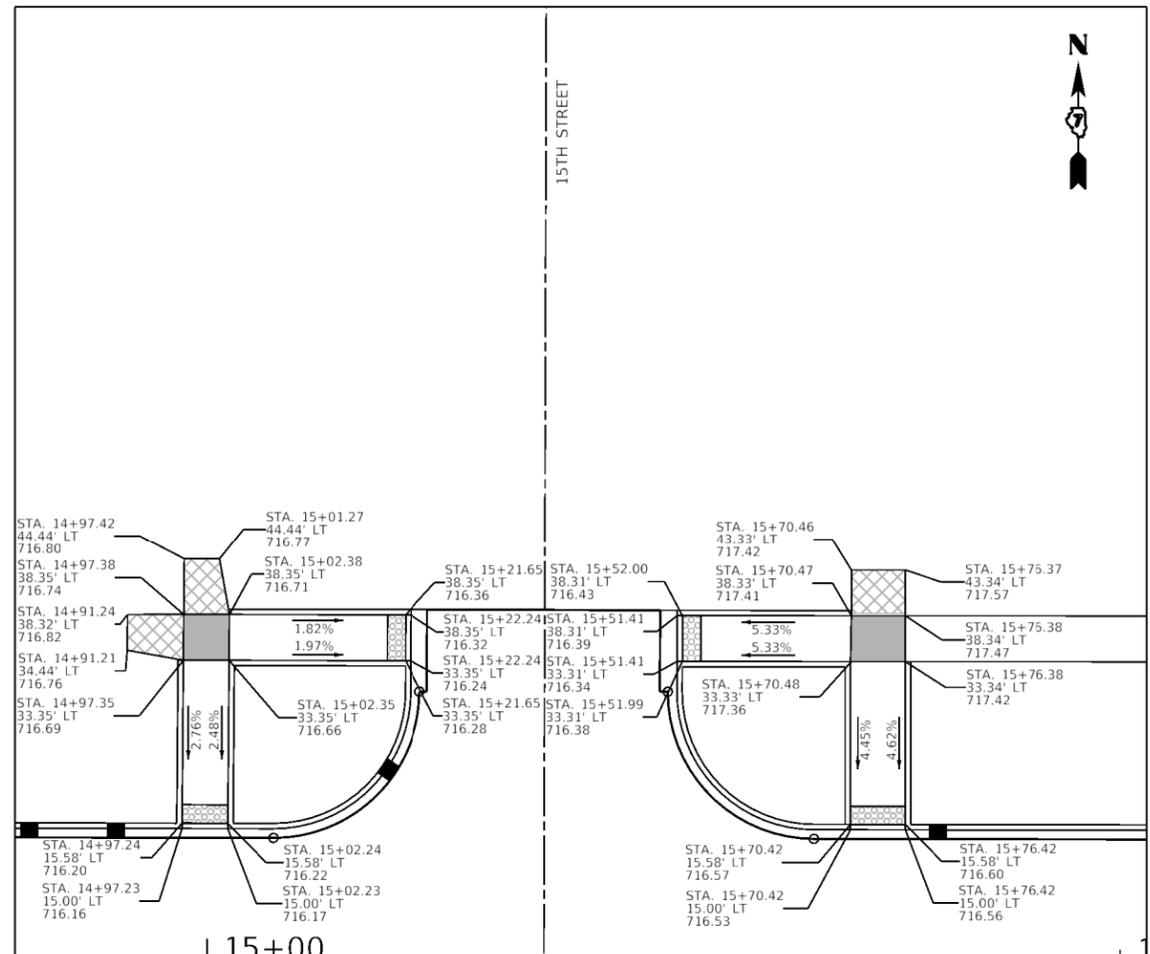


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		DATE - OCT. 2019	REVISED -

**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 SCALE: 20.0000' / in. PROJECT: 3118104

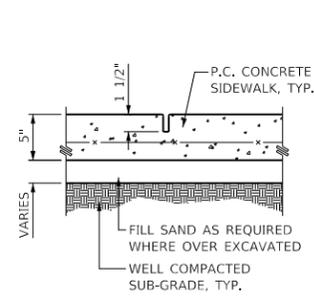
<b>SIDEWALK ELEVATIONS</b> <b>17TH STREET &amp;</b> <b>16TH STREET</b>	TOTAL SHEETS	SHEET NO.
	40	22



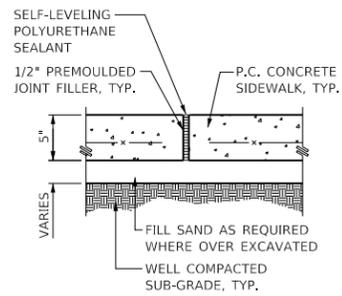
-  LANDING/TURNING SPACE PER STANDARD 424001
-  TRANSITIONAL SEGMENT
-  DETECTABLE WARNING

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	PLOT SCALE = 20.0000' / in.	DRAWN - TLW	REVISED -				40	23
	PLOT DATE = 12/13/2019	CHECKED - SAL	REVISED -					
		DATE - OCT. 2019	REVISED -					

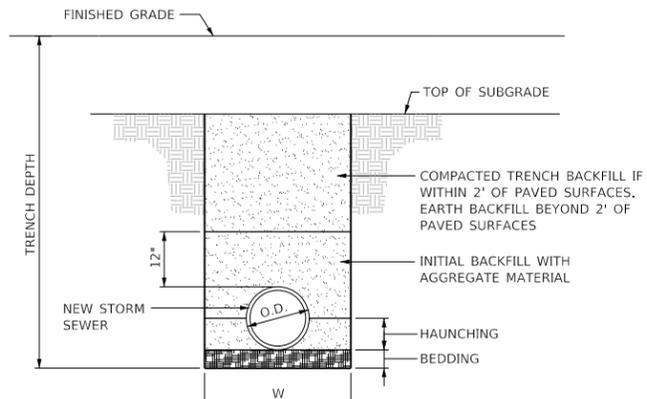
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**PCC SIDEWALK  
SAWED / TOOLED JOINT**  
SIDEWALK: 5' MAX. JOINT SPACING



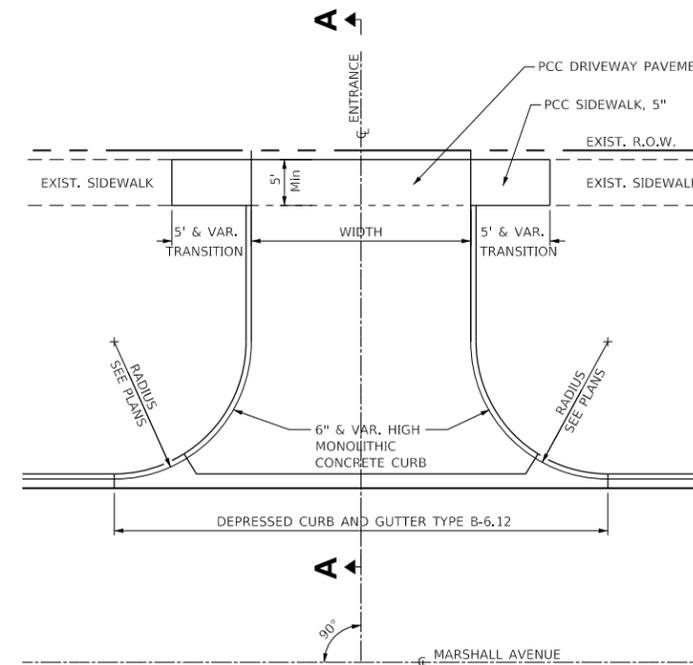
**PCC SIDEWALK  
EXPANSION JOINT**  
SIDEWALKS



$W = 9" + O.D. + 9"$  WHERE TRENCH DEPTH IS  $\leq 5'$   
 $W = 18" + O.D. + 18"$  WHERE TRENCH DEPTH IS  $> 5'$

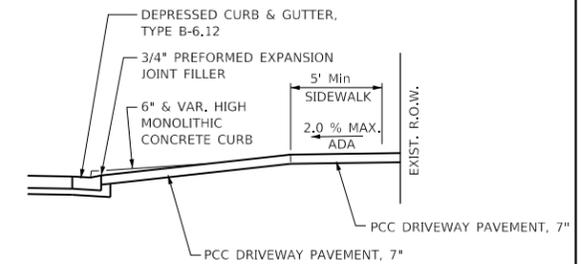
NOTE:  
BEDDING, HAUNCHING, INITIAL BACKFILL, AND TRENCH BACKFILL MATERIAL SHALL BE AGGREGATE GRADATION CA-07.

**TRENCH DETAIL**

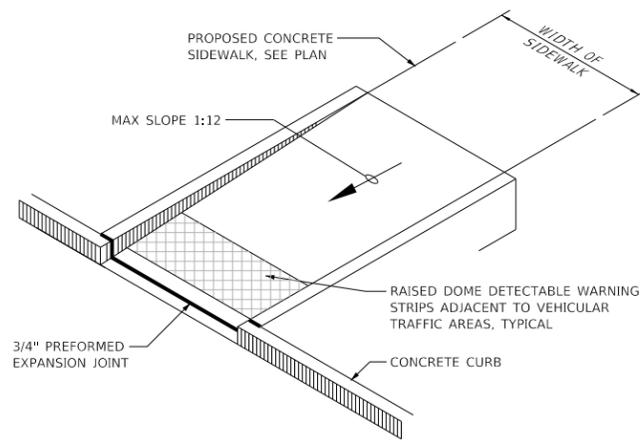


**PLAN**

**TYPICAL ENTRANCE DETAIL**

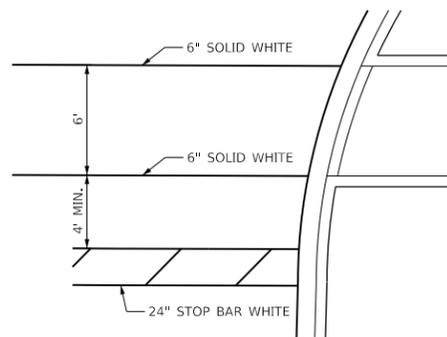


**SECTION A-A**

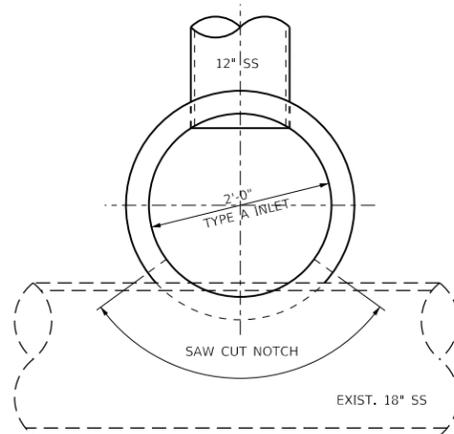


**ADA RAMP**

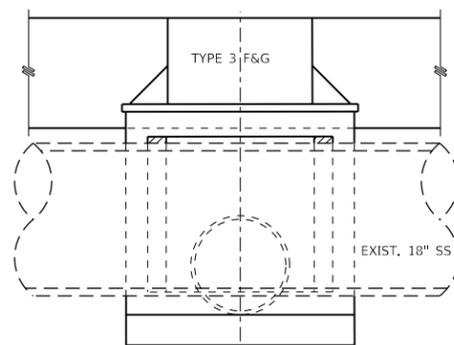
FOR ADDITIONAL INFORMATION SEE STANDARD NUMBER 424001 PERPENDICULAR CURB RAMPS



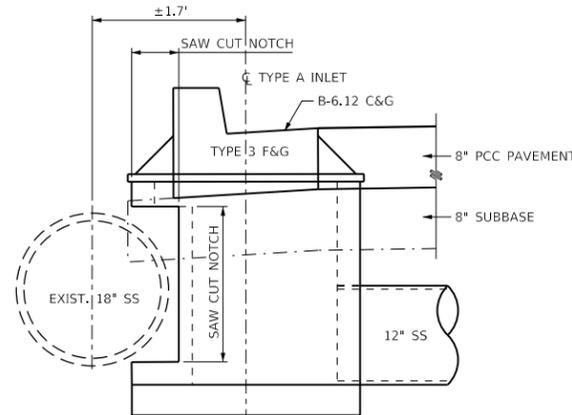
**TYPICAL CROSSWALK STRIPING**



**PLAN**



**ELEVATION**

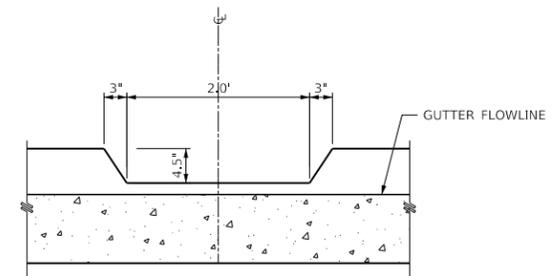


**ELEVATION**

**INLET SPECIAL DETAIL**

POTENTIALLY AT STRUCTURE NO. 46

- NOTES:
1. VERIFY DISTANCE BETWEEN EXISTING 18" STORM SEWER AND NEW TYPE A INLET.
  2. FIELD MEASURE AND SAW CUT NOTCH AND REMOVE PORTION OF NEW TYPE A INLET AS NEEDED TO ALLOW INLET TO SIT ON BASE AND CLEAR EXISTING 18" STORM SEWER.
  3. GROUT OPENING SHUT AROUND EXISTING 18" STORM SEWER AND NEW TYPE A INLET.



**CURB CUT DETAIL**

STA 14+50 RT

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**The Upchurch Group**  
123 North 15th Street Mattoon, Illinois 61938  
Professional Design Firm Corporation License No. 184-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
14TH STREET TO 17TH STREET  
CITY OF MATTOON, ILLINOIS 61938

SCALE: 2.0000' / in.

PROJECT: 3118104

**DETAILS**

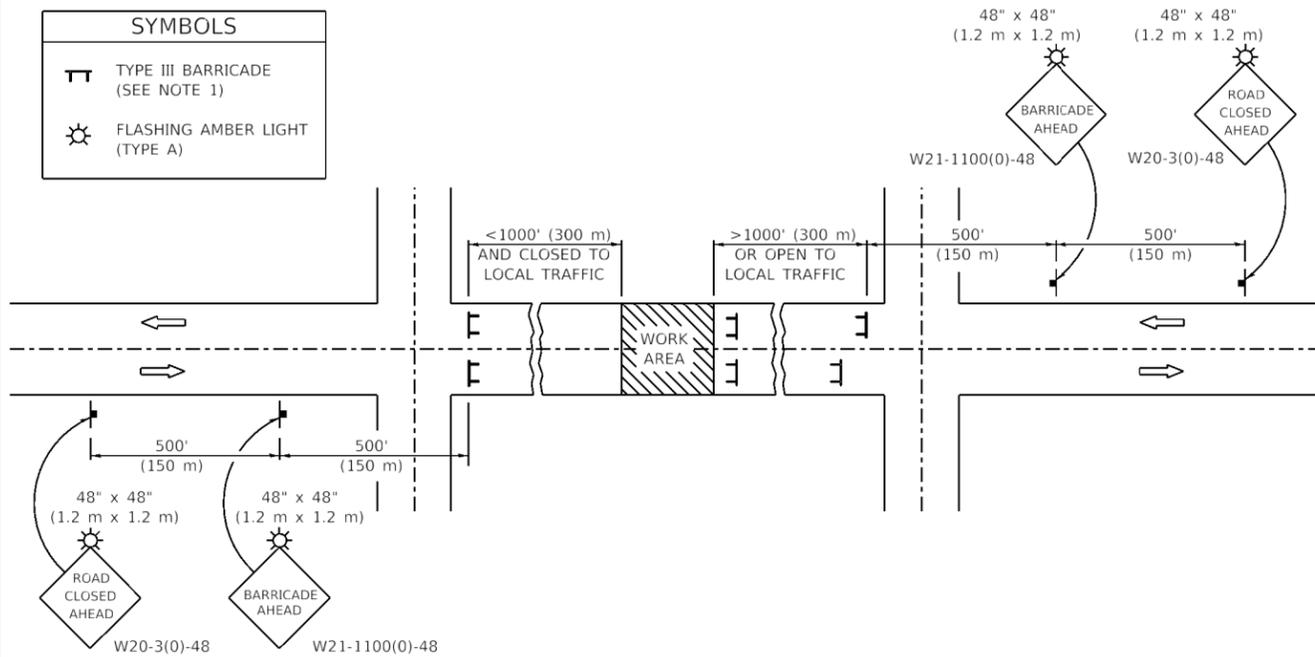
TOTAL SHEETS	SHEET NO.
40	24



# ROAD CLOSURE

# SIDEROAD / STREET CLOSURE

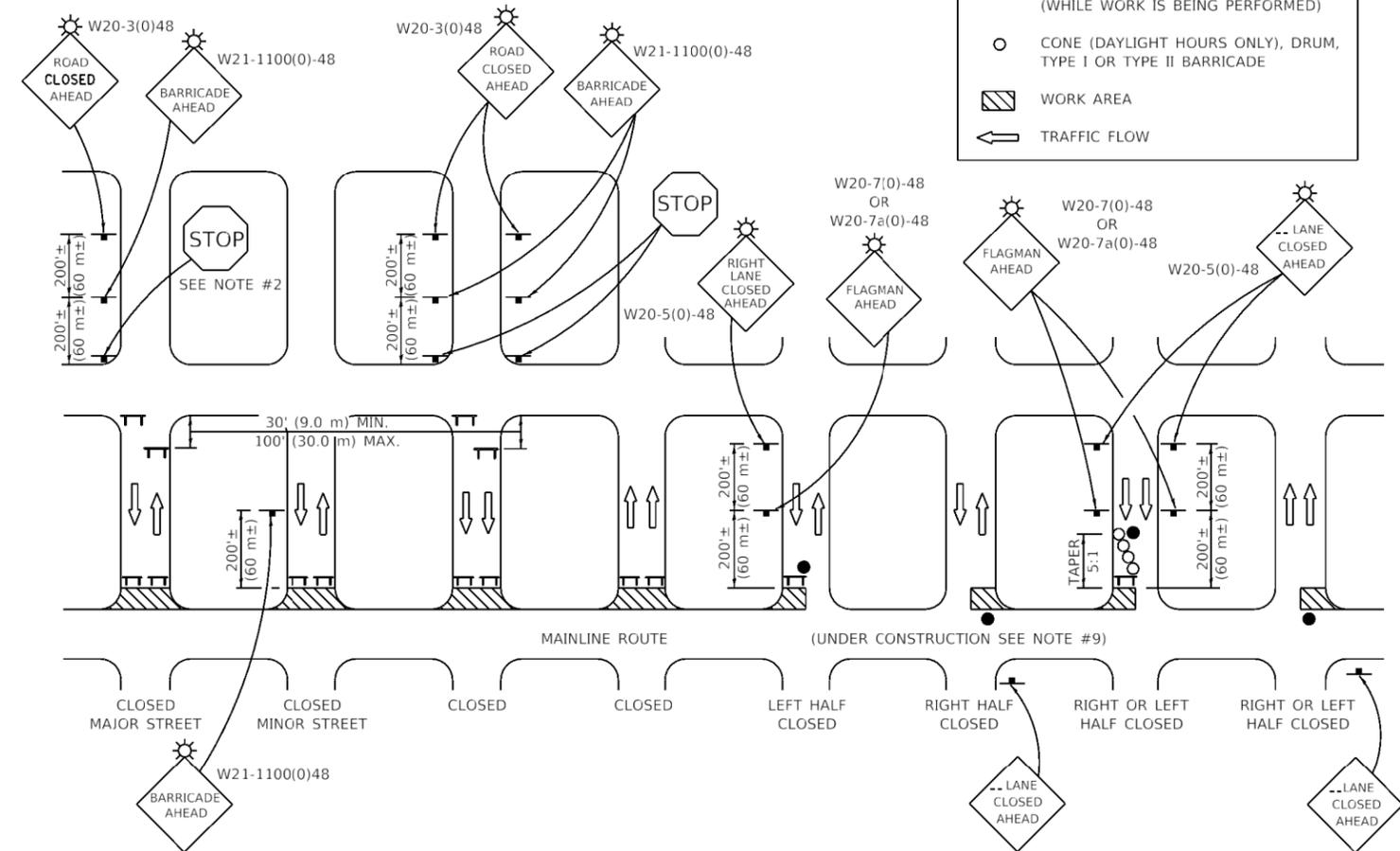
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



## GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m). ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW

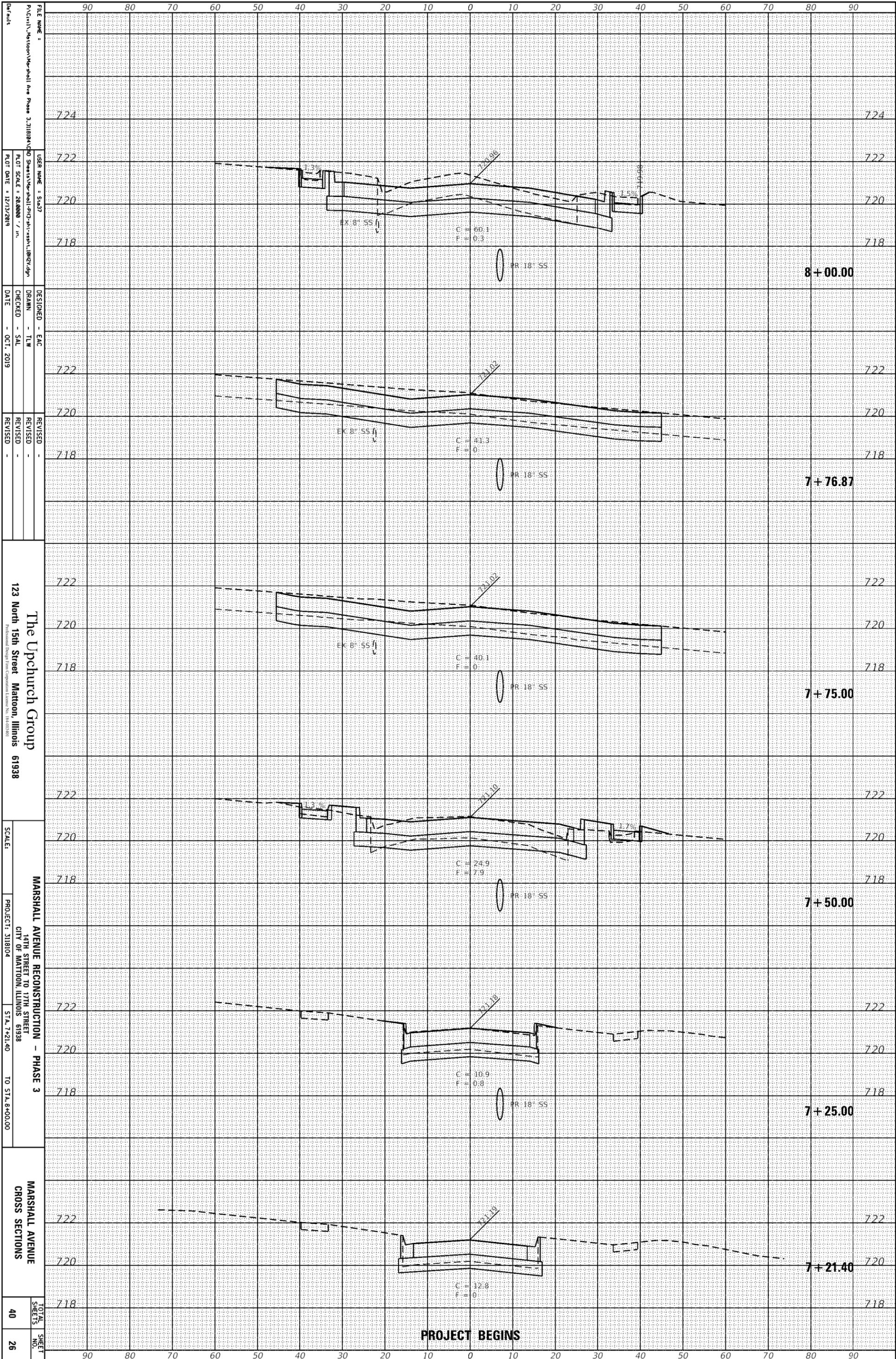


## GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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 DRAWN - TLW  
 CHECKED - SAL  
 DATE - OCT, 2019

REVISOR -  
 REVISION -

123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Copeland License No. 144-003401

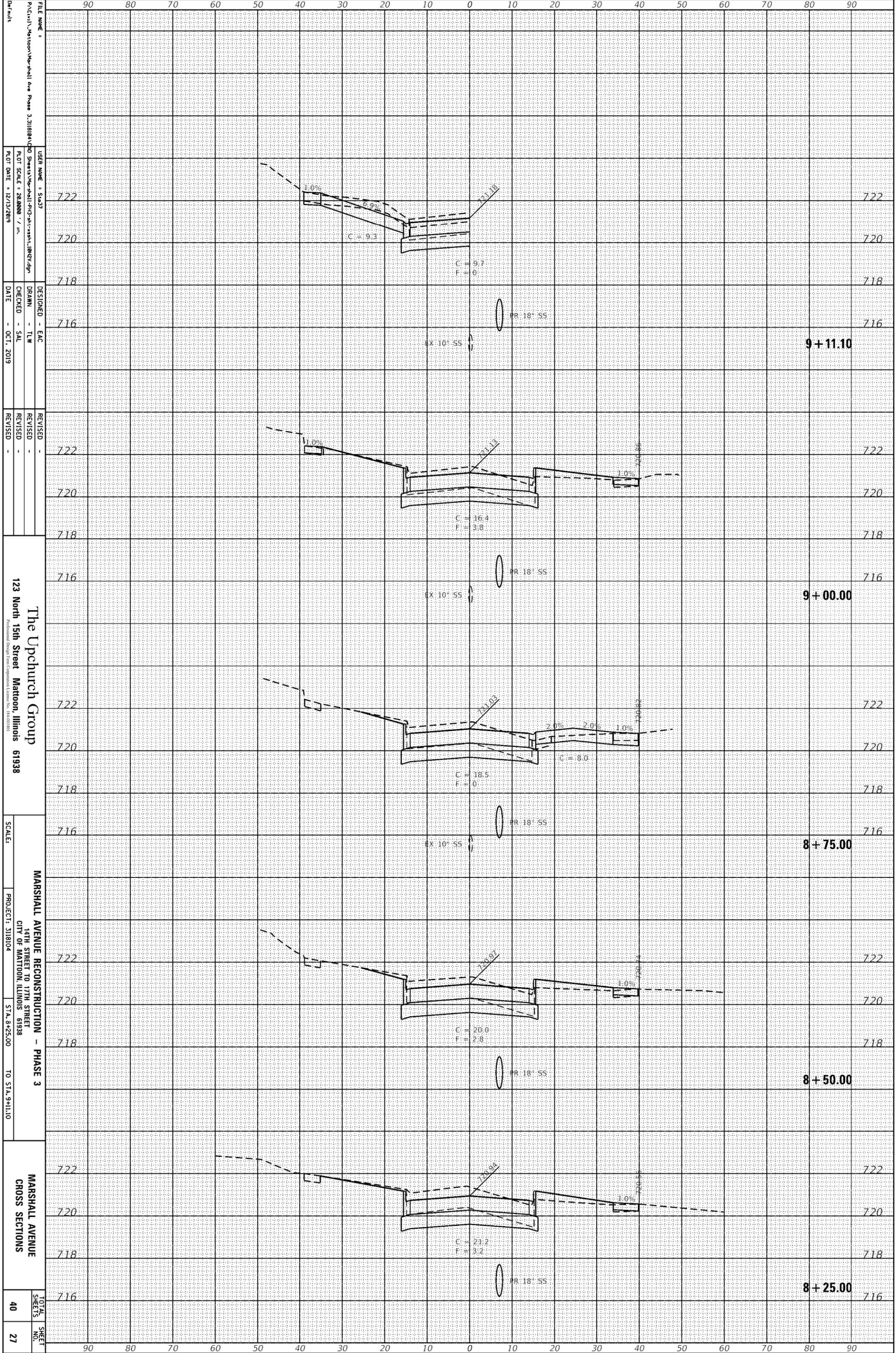
MARSHALL AVENUE RECONSTRUCTION - PHASE 3  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 PROJECT: 3118104  
 SCALE: STA. 7+21.40 TO STA. 8+00.00

TOTAL SHEETS 40  
 SHEET NO. 26

PROJECT BEGINS

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	TEMPLATE		
	AREAS		
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FINAL SURVEY	SURVEYED	BY	DATE
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 PLOT DATE = 12/13/2019

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 DRAWN - TLW  
 CHECKED - SAL  
 DATE - OCT, 2019

REVISOR -  
 REVISION -  
 REVISION -

123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Certificate License No. 164-000010

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

722 720 718 716

9+11.10

9+00.00

8+75.00

8+50.00

8+25.00

716

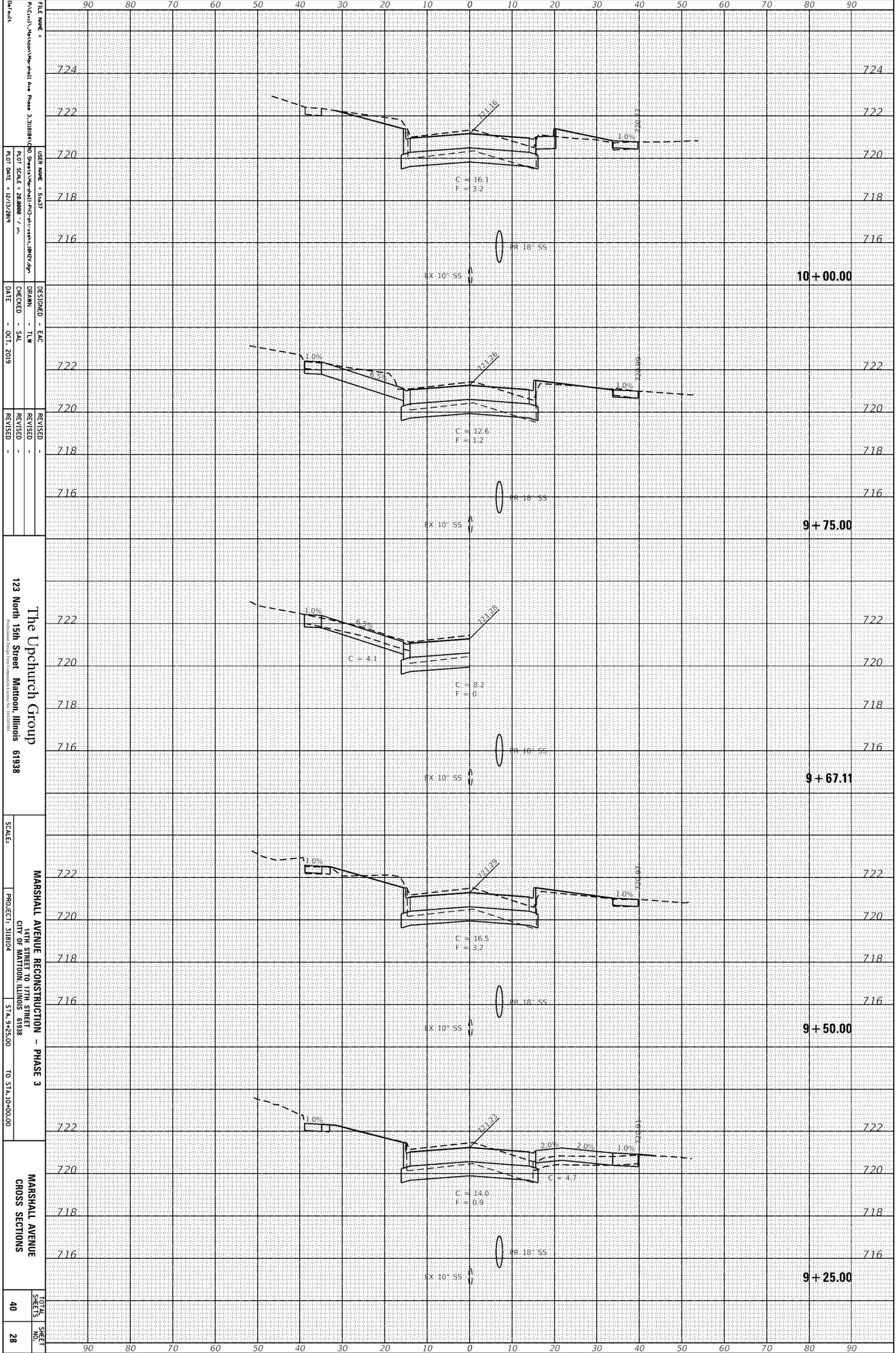
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TOTAL SHEETS 40  
 SHEET NO. 27

MARSHALL AVENUE CROSS SECTIONS

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NOTE BOOK	PLOTTED		
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	AREAS		
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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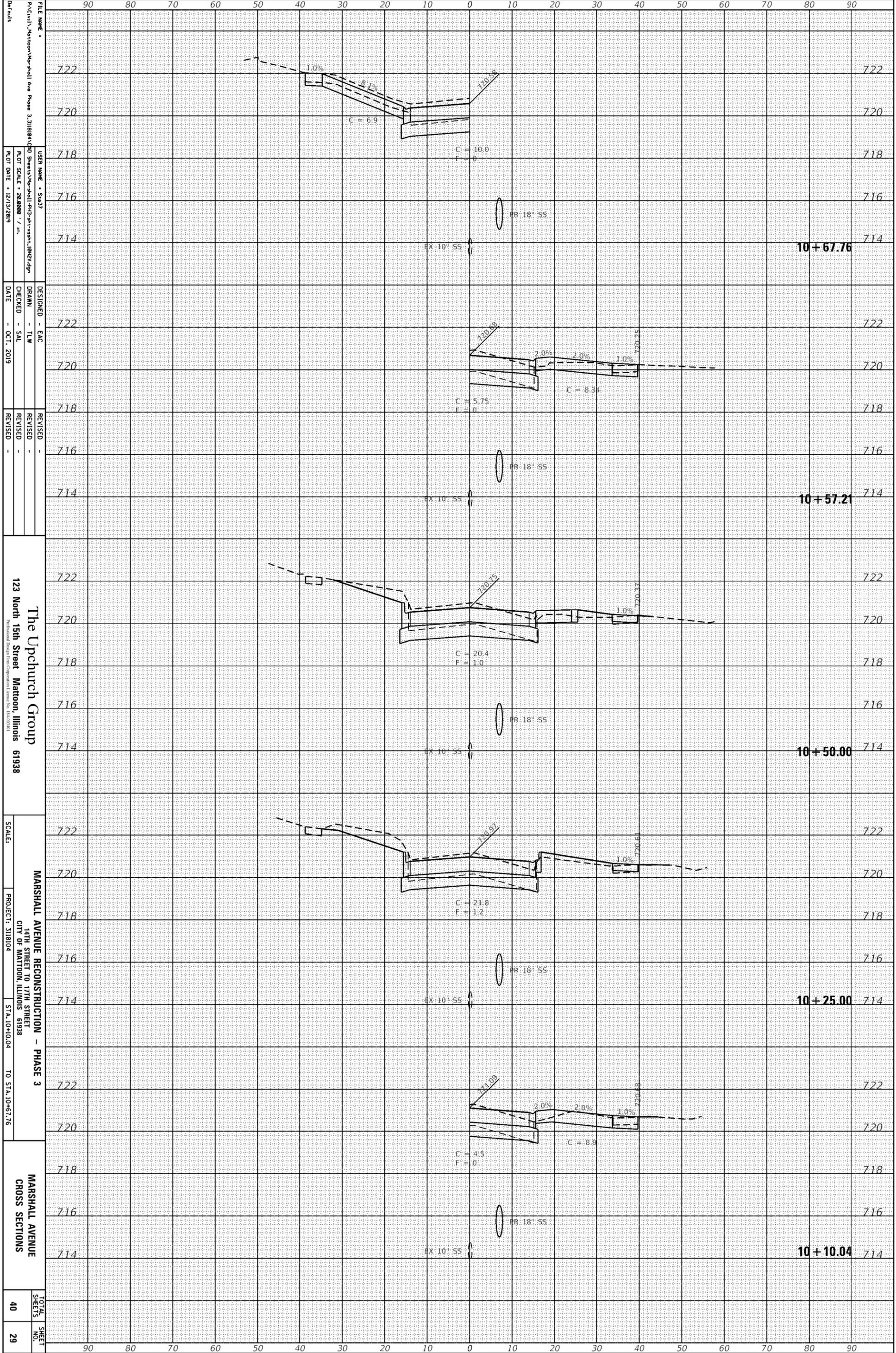
123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Certificate License No. 164-003001

MARSHALL AVENUE RECONSTRUCTION - PHASE 3  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 PROJECT: 3118104  
 SCALE: STA. 9+25.00 TO STA. 10+00.00

TOTAL SHEETS: 40  
 SHEET NO.: 28

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	TEMPLATE		
	AREAS		
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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REVISIONS  
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 REVISION -  
 REVISION -

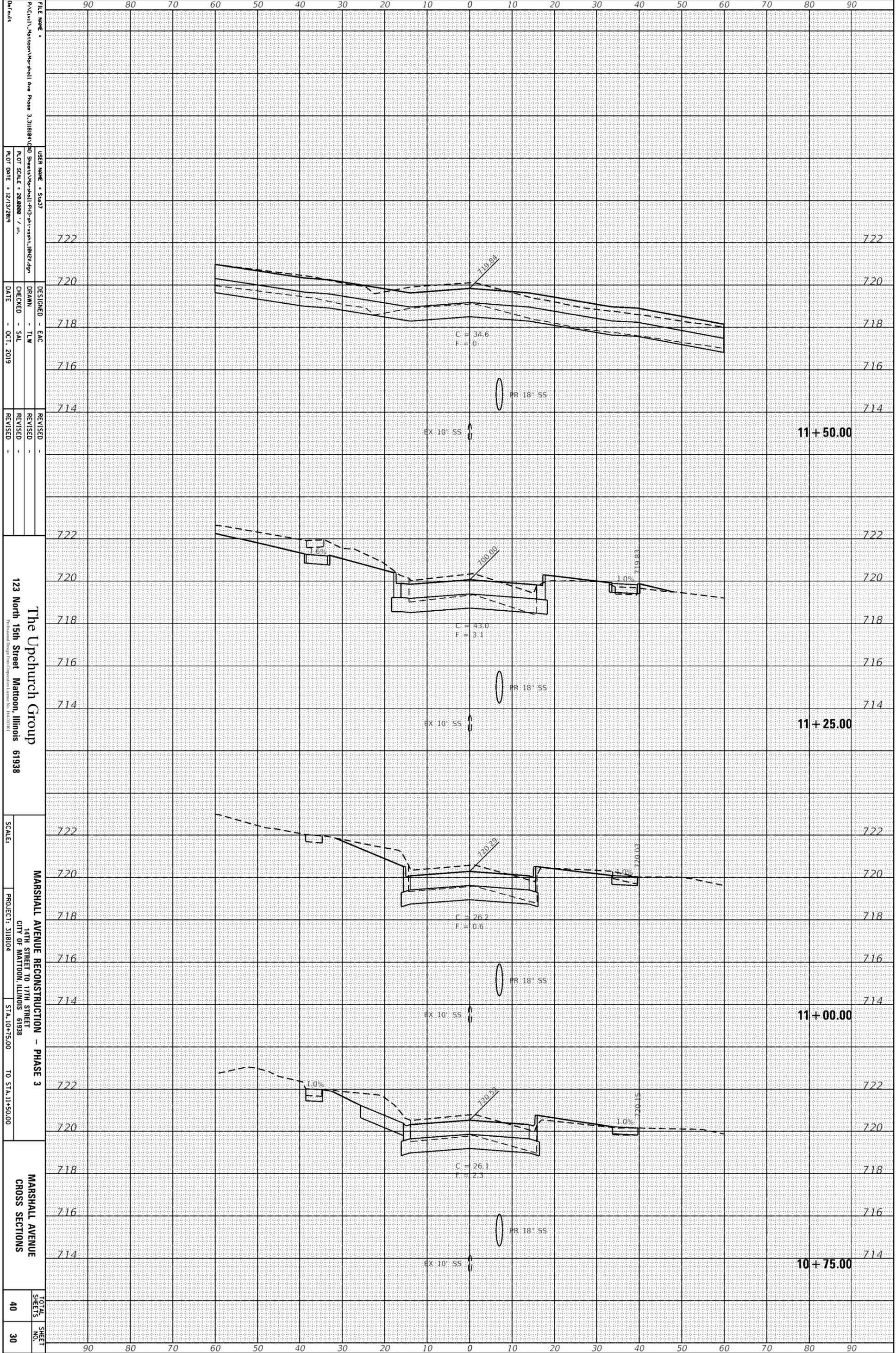
123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Registered Professional Engineer License No. 164-003001

MARSHALL AVENUE RECONSTRUCTION - PHASE 3  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 PROJECT: 3118104  
 SCALE: STA. 10+10.04 TO STA. 10+67.76

TOTAL SHEETS 40  
 SHEET NO. 29

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 CHECKED - SAL  
 DATE - OCT, 2019

REVISIONS  
 REVISION NO. | DATE | DESCRIPTION

123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Certificate License No. 164-000101

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

722 720 718 716 714

11 + 50.00

722 720 718 716 714

11 + 25.00

722 720 718 716 714

11 + 00.00

722 720 718 716 714

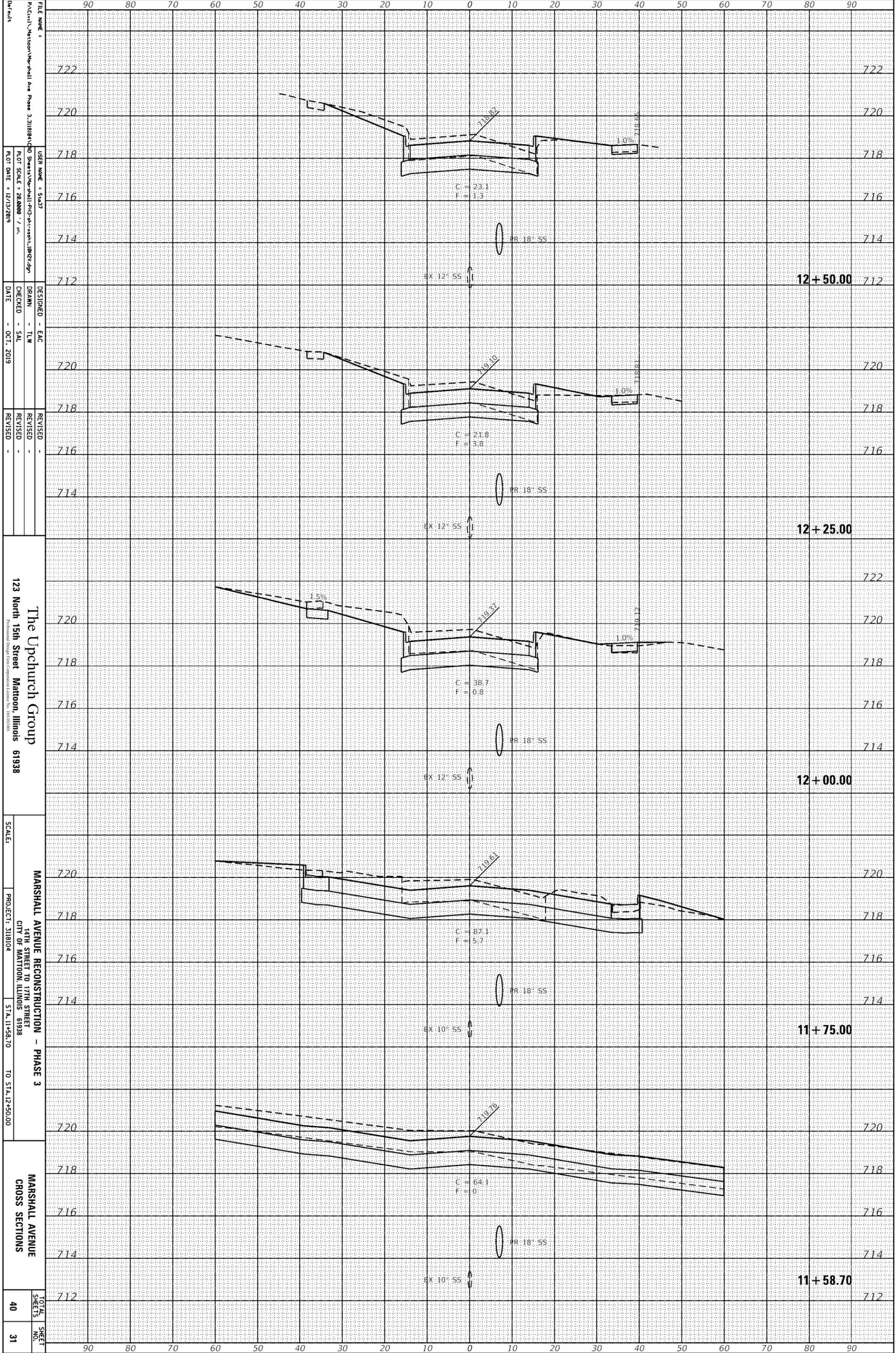
10 + 75.00

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TOTAL SHEETS 40  
 SHEET NO. 30

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NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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 PLOT SCALE = 28.0000' / in.  
 PLOT DATE = 12/13/2019

DESIGNED - EAC  
 DRAWN - TLW  
 CHECKED - SAL  
 DATE - OCT, 2019

REVISIED -  
 REVISIED -  
 REVISIED -

123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Certificate License No. 164-003001

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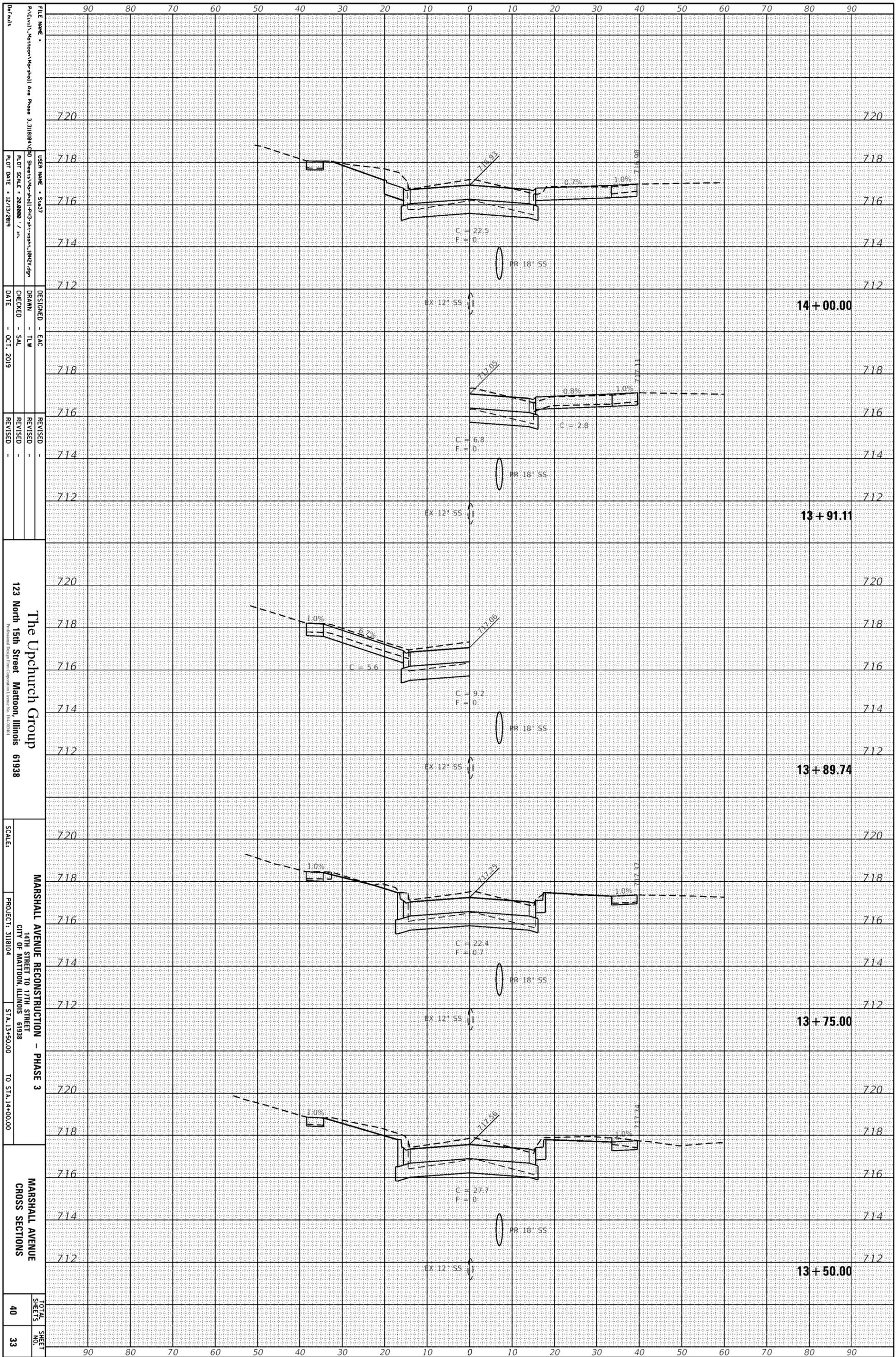
TOTAL SHEETS 40  
 SHEET NO. 31





ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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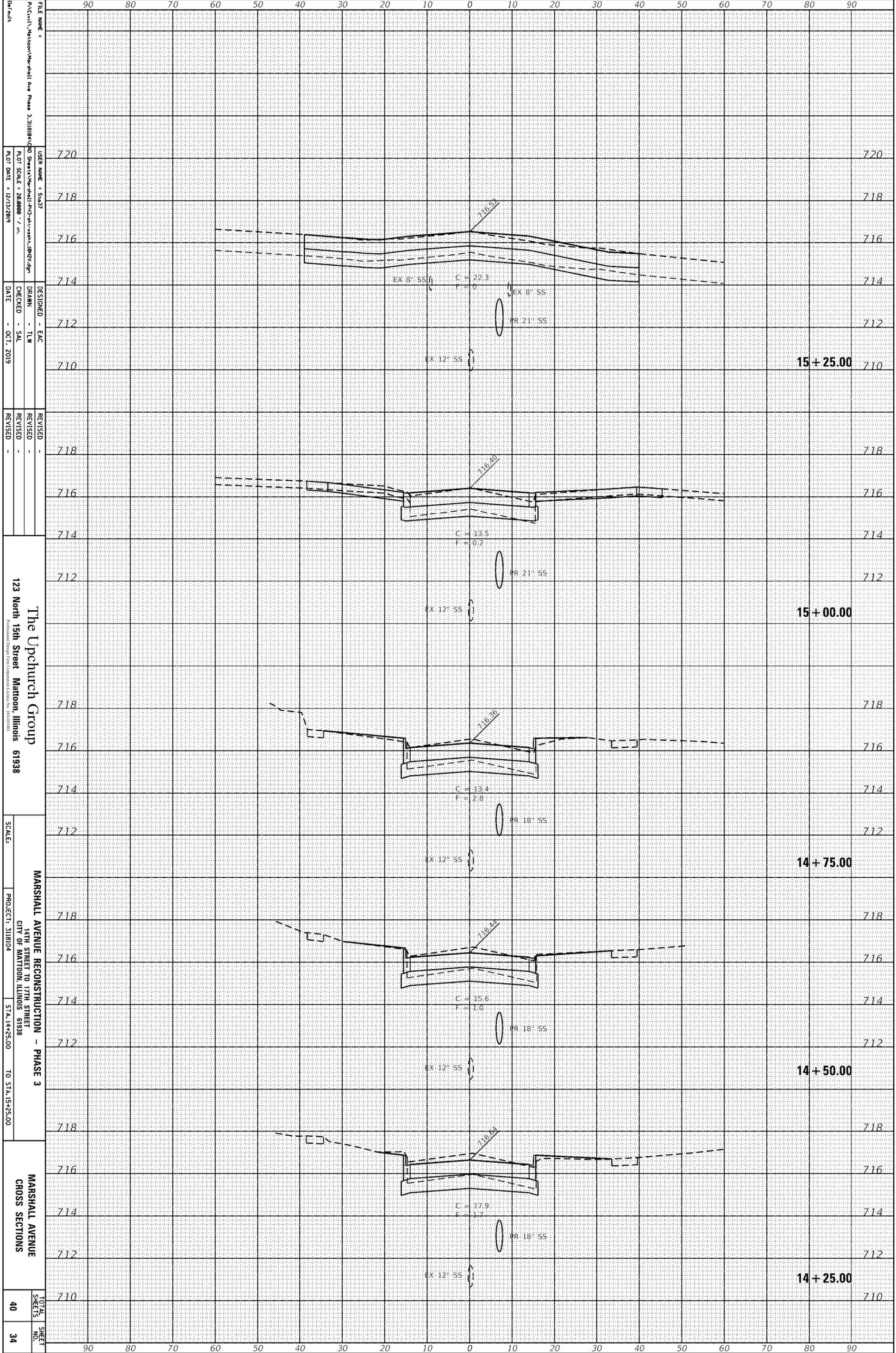
**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
 Professional Design Firm, Registered Professional Engineer License No. 164-003401

**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 PROJECT: 3118104  
 SCALE: STA. 13+50.00 TO STA. 14+00.00

**MARSHALL AVENUE CROSS SECTIONS**  
 TOTAL SHEETS: 40  
 SHEET NO.: 33

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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	AREAS		
	AREAS CHECKED		



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 CHECKED - SAL  
 DATE - OCT, 2019

REVISID -  
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 REVISID -

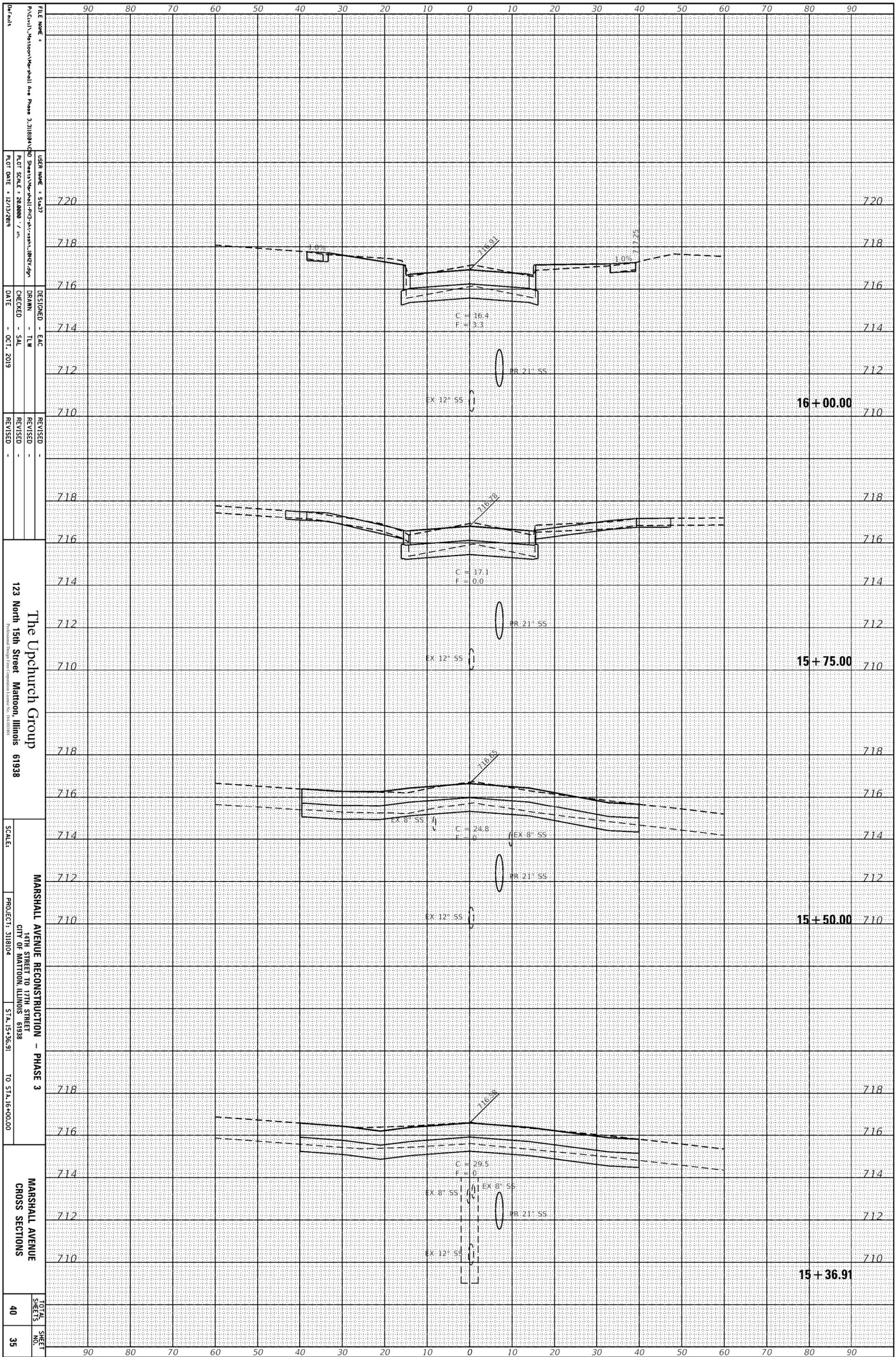
123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Certificate License No. 164-000001

MARSHALL AVENUE RECONSTRUCTION - PHASE 3  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 PROJECT: 3118104  
 SCALE: STA. 14+25.00 TO STA. 15+25.00

TOTAL SHEETS 40  
 SHEET NO. 34

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
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	AREAS CHECKED		



The Upchurch Group  
 123 North 15th Street Mattoon, Illinois 61938  
 Professional Design Firm, Registered Professional Engineer No. 164-033011

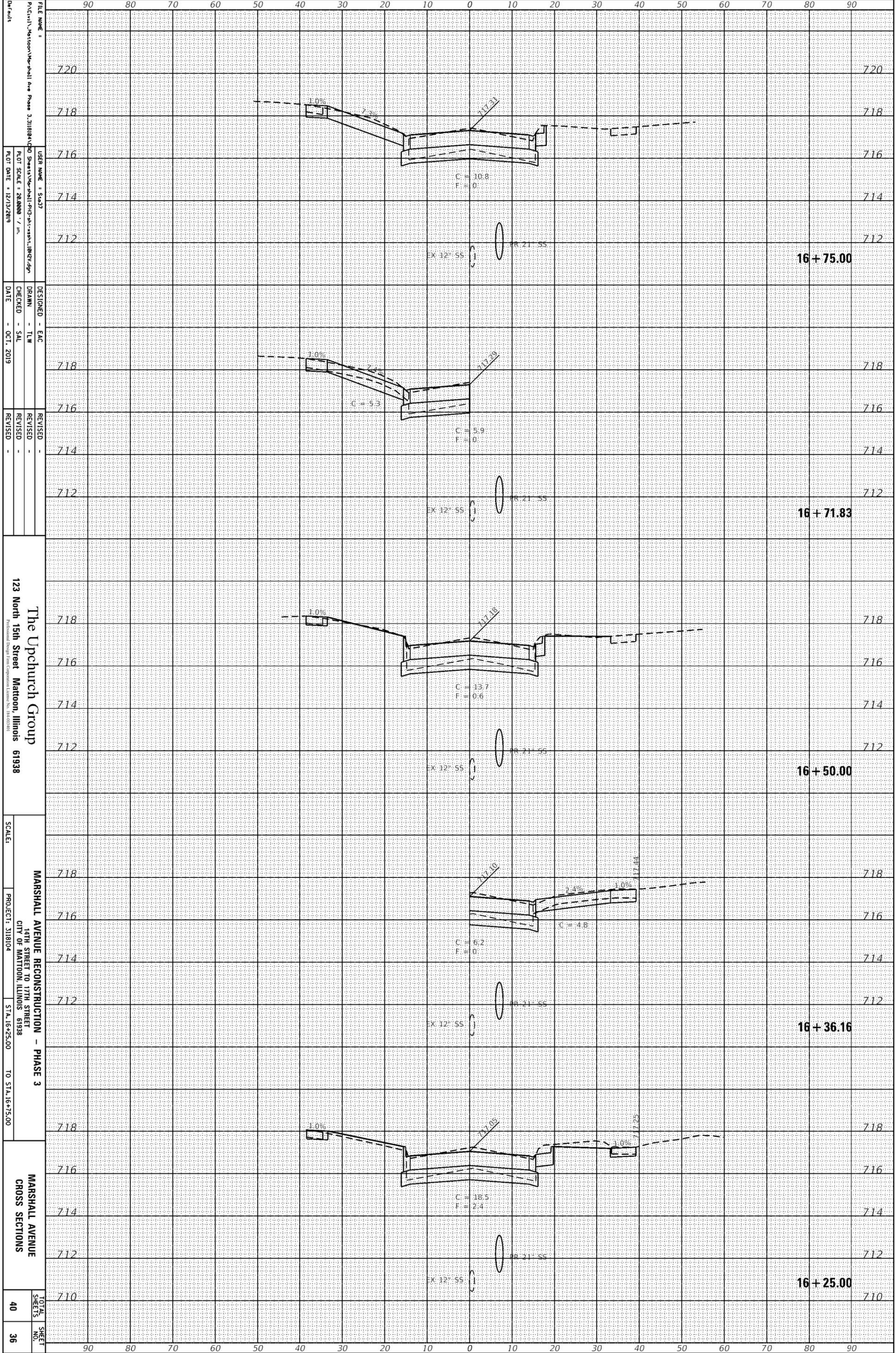
MARSHALL AVENUE RECONSTRUCTION - PHASE 3  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 PROJECT: 3118104  
 STA. 15+36.91 TO STA. 16+00.00

MARSHALL AVENUE  
 CROSS SECTIONS  
 TOTAL SHEETS: 40  
 SHEET NO.: 35

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 PLOT SCALE: 28.0000 / in.  
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 DESIGNED: EAC  
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 CHECKED: SAL  
 DATE: OCT, 2019  
 REVISED: -  
 REVISION: -

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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 DATE - OCT, 2019

REVISIED -  
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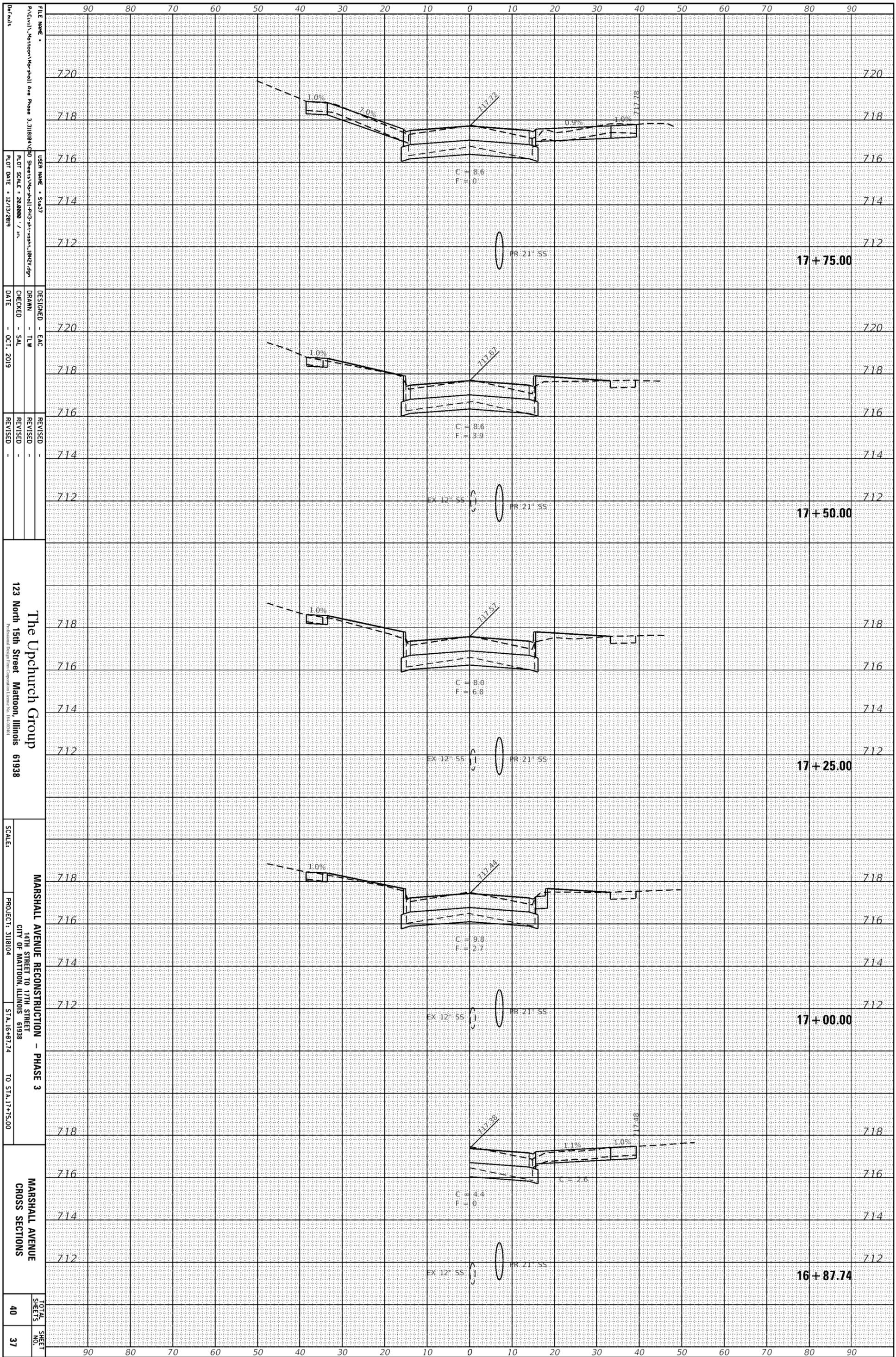
123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Copeland License No. 164-03001

MARSHALL AVENUE RECONSTRUCTION - PHASE 3  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 SCALE: PROJECT: 3118104 STA. 16+25.00 TO STA. 16+75.00

TOTAL SHEETS 40  
 SHEET NO. 36

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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DESIGNED - EAC  
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 CHECKED - SAL  
 DATE - OCT, 2019

REVISIED -  
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 REVISIED -

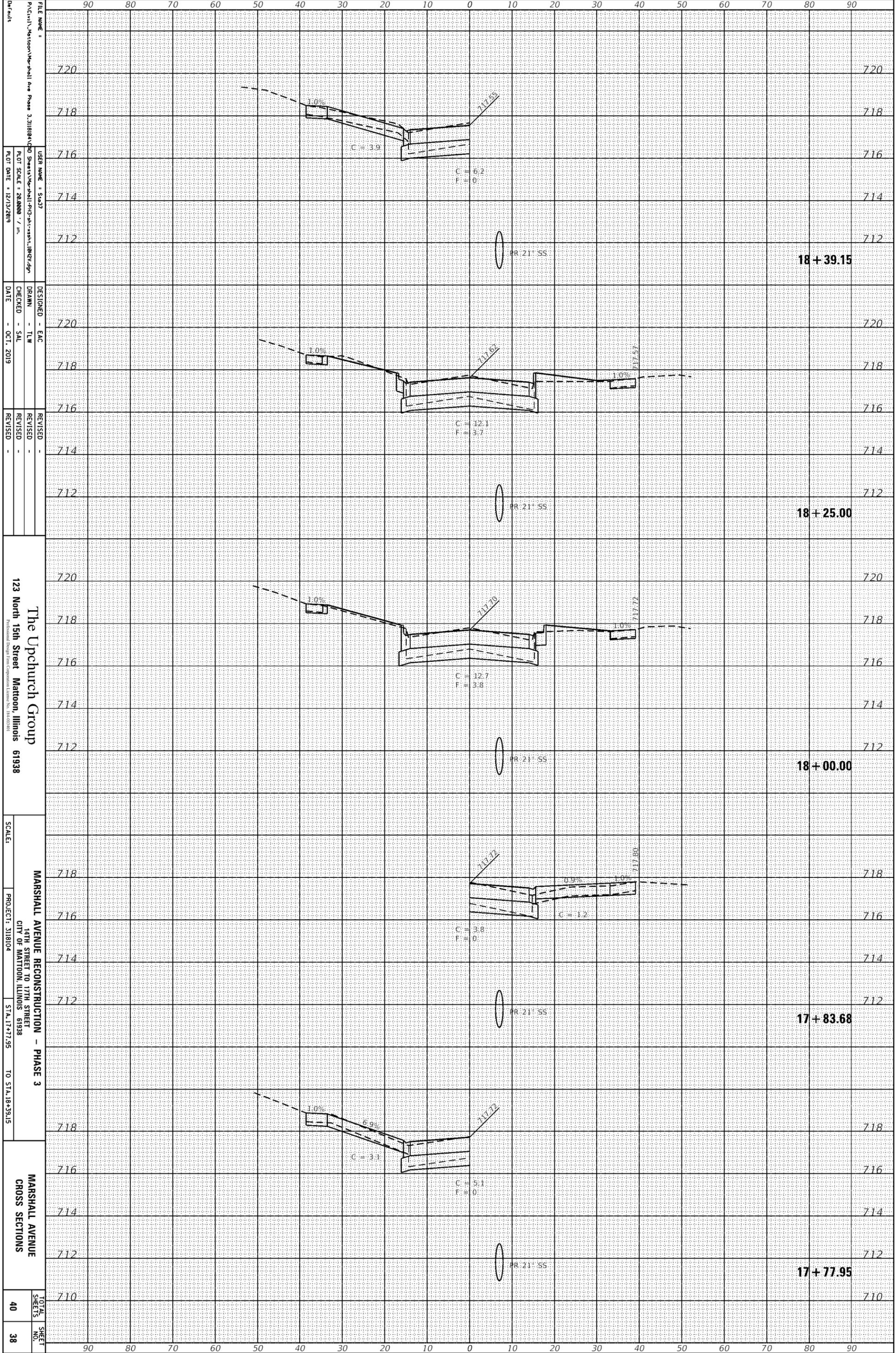
123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Registered Professional Engineer, No. 164-003001

MARSHALL AVENUE RECONSTRUCTION - PHASE 3  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 SCALE: PROJECT: 3118104 STA. 16+87.74 TO STA. 17+75.00

TOTAL SHEETS 40  
 SHEET NO. 37

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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 PLOT DATE = 12/13/2019

DESIGNED - EAC  
 DRAWN - TLW  
 CHECKED - SAL  
 DATE - OCT, 2019

REVISIED -  
 REVISIED -  
 REVISIED -

123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Registered Professional Engineer, License No. 164-003001

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

720 718 716 714 712 710

18 + 39.15

18 + 25.00

18 + 00.00

17 + 83.68

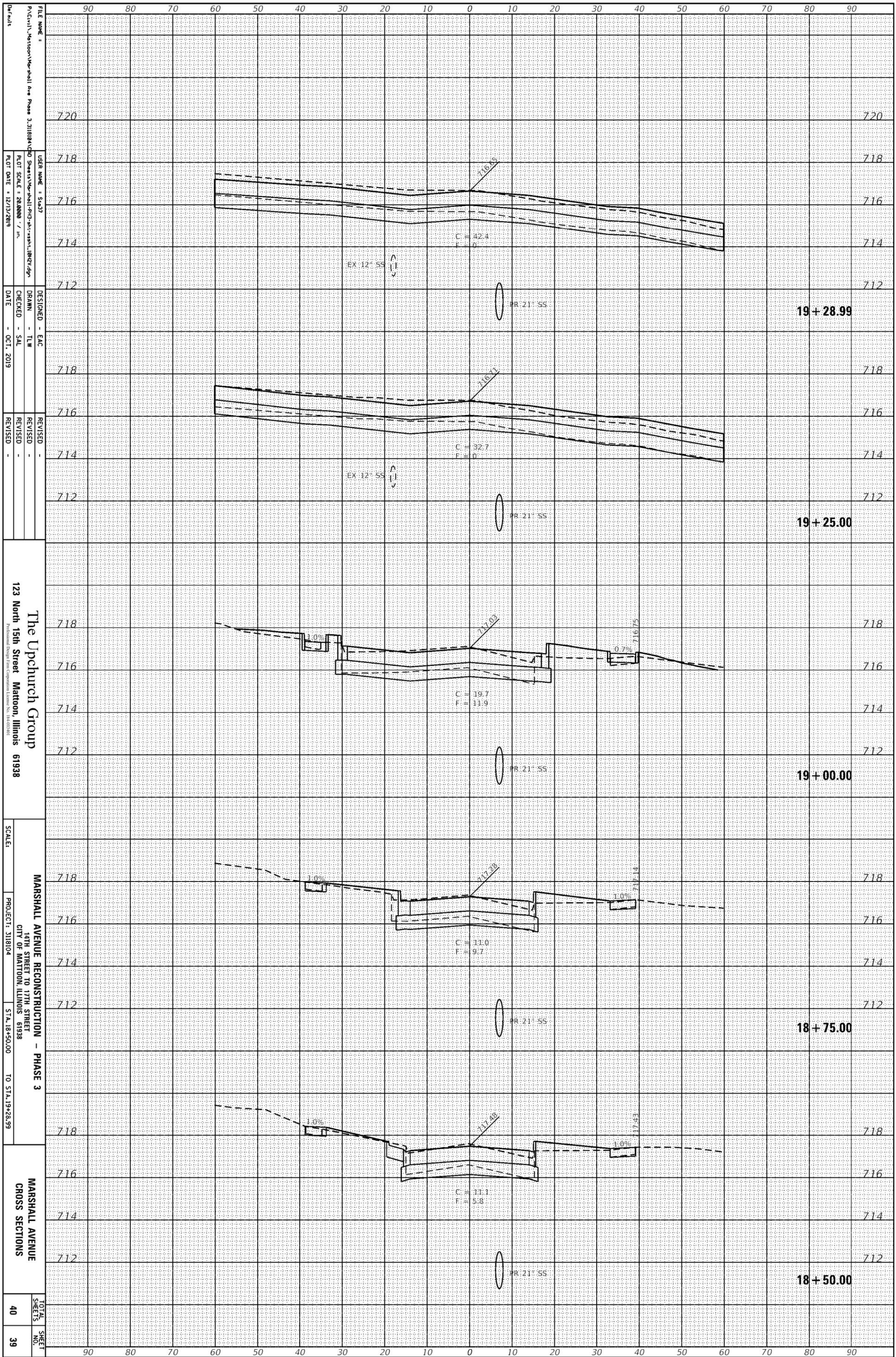
17 + 77.95

718 716 714 712 710

40 38

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



**The Upchurch Group**  
 123 North 15th Street Mattoon, Illinois 61938  
 Professional Design Firm, Certificate License No. 164-003001

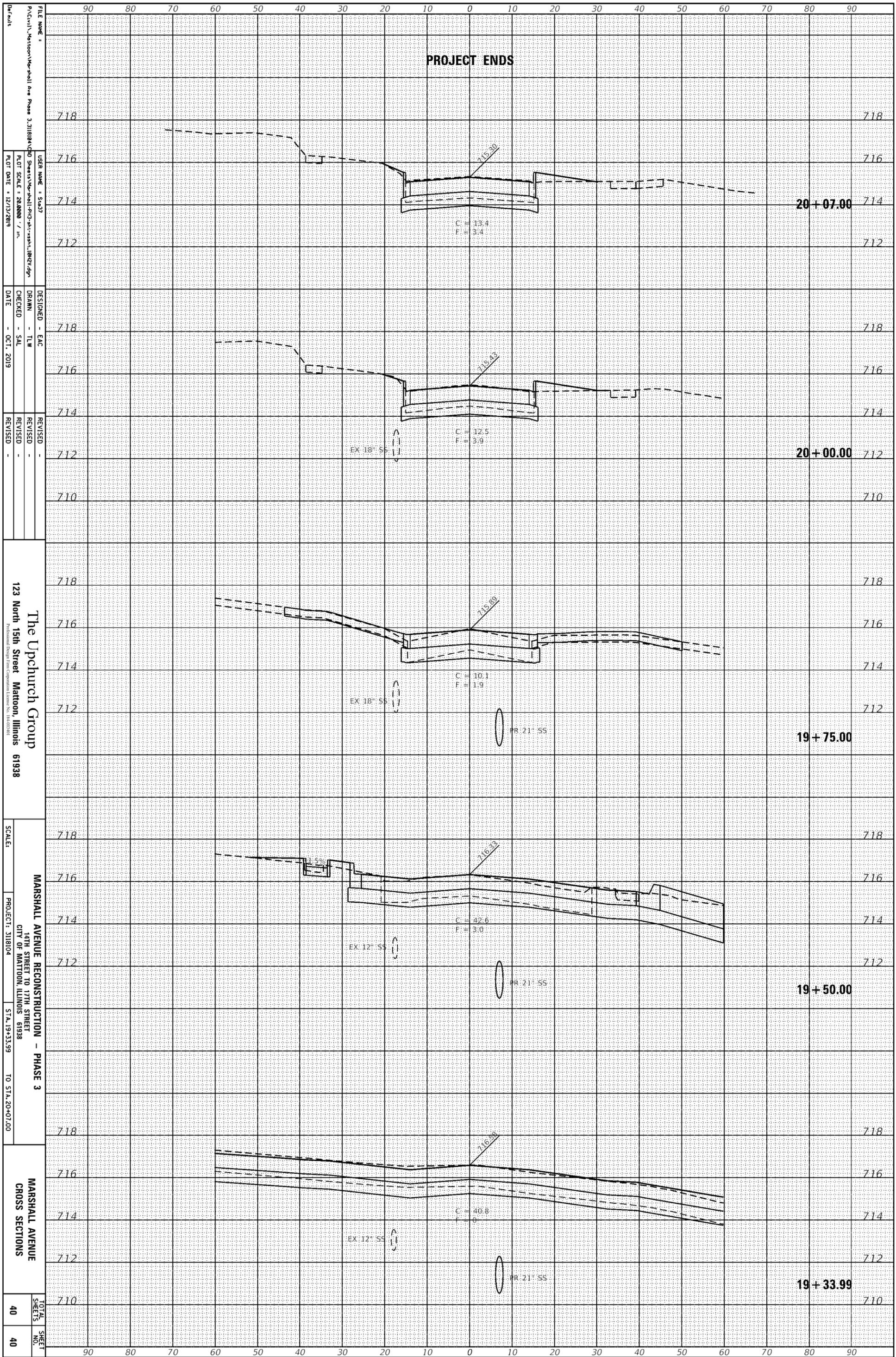
**MARSHALL AVENUE RECONSTRUCTION - PHASE 3**  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 PROJECT: 3118104  
 STA. 18+50.00 TO STA. 19+28.99

**MARSHALL AVENUE CROSS SECTIONS**

TOTAL SHEETS	40
SHEET NO.	39

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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	AREAS		
	AREAS CHECKED		



PROJECT ENDS

FILE NAME = P:\Civil\Marshall Ave Phase 3\11818A\11818A.dwg  
 USER NAME = SGA37  
 PLOT SCALE = 28.0000 / in.  
 PLOT DATE = 12/13/2019  
 DESIGNED - EAC  
 DRAWN - TLW  
 CHECKED - SAL  
 DATE - OCT, 2019  
 REVISED -  
 REVISIONS -

123 North 15th Street Mattoon, Illinois 61938  
 The Upchurch Group  
 Professional Design Firm, Registered Professional Engineer, License No. 164-003401

SCALE: MARSHALL AVENUE RECONSTRUCTION - PHASE 3  
 14TH STREET TO 17TH STREET  
 CITY OF MATTOON, ILLINOIS 61938  
 PROJECT: 3118104  
 STA. 19+33.99 TO STA. 20+07.00

MARSHALL AVENUE CROSS SECTIONS  
 TOTAL SHEETS 40  
 SHEET NO. 40

