

INDEX OF SHEETS

1	COVER SHEET & INDEX OF SHEETS
2	GENERAL INFORMATION, NOTES
3-4	SUMMARY OF QUANTITIES
5-6	DETAILS
7	SCHEDULE OF QUANTITIES
8	TRAFFIC CONTROL PLAN
9-12	REMOVAL PLAN
13-16	PLAN AND PROFILE
17	LIGHTING ELECTRICAL CIRCUIT LAYOUT
18-21	LANDSCAPING & PAVEMENT MARKING PLAN
22	TRAFFIC SIGNAL GENERAL NOTES
23-26	TRAFFIC SIGNAL PLANS, DETAILS, SOIL BORINGS (MAIN ST & MONROE ST INTERSECTION)
27-30	TRAFFIC SIGNAL PLANS, DETAILS, SOIL BORINGS (MAIN ST & VERMILLION ST INTERSECTION)
31-34	TRAFFIC SIGNAL PLANS, DETAILS, SOIL BORINGS (BRIDGE ST & VERMILLION ST INTERSECTION)
35	TRAFFIC SIGNAL MISCELLANEOUS DETAILS

06-12-2020 LETTING ITEM 180

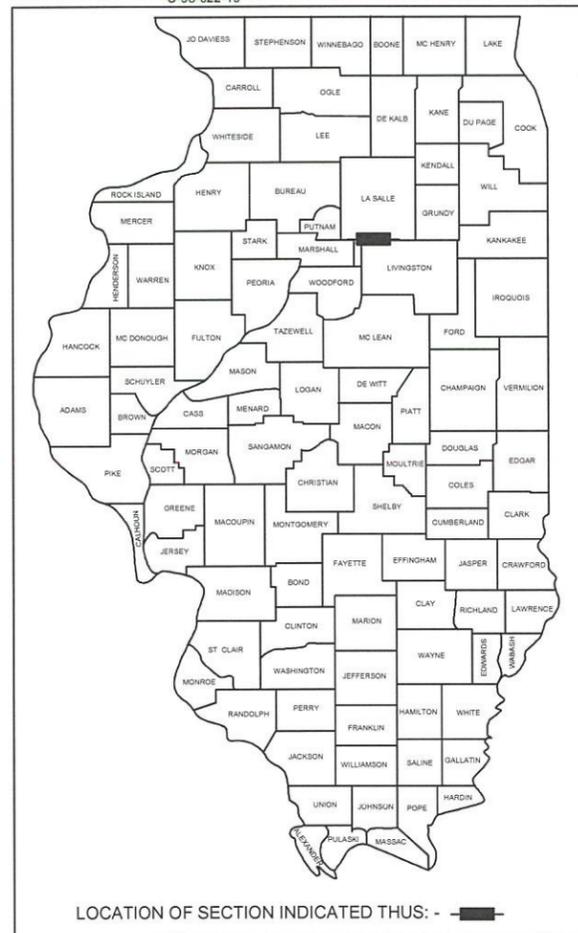
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**
FAP 0653 (MAIN STREET / IL ROUTE 18)
(FROM VERMILION RIVER TO WASSON ST)

CITY OF STREATOR
SECTION 18-00100-00-LT
PROJECT NO. XFF8(387)
STREETSCAPE PROJECT
LaSALLE COUNTY
C-93-022-19

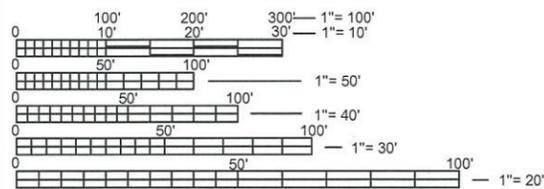
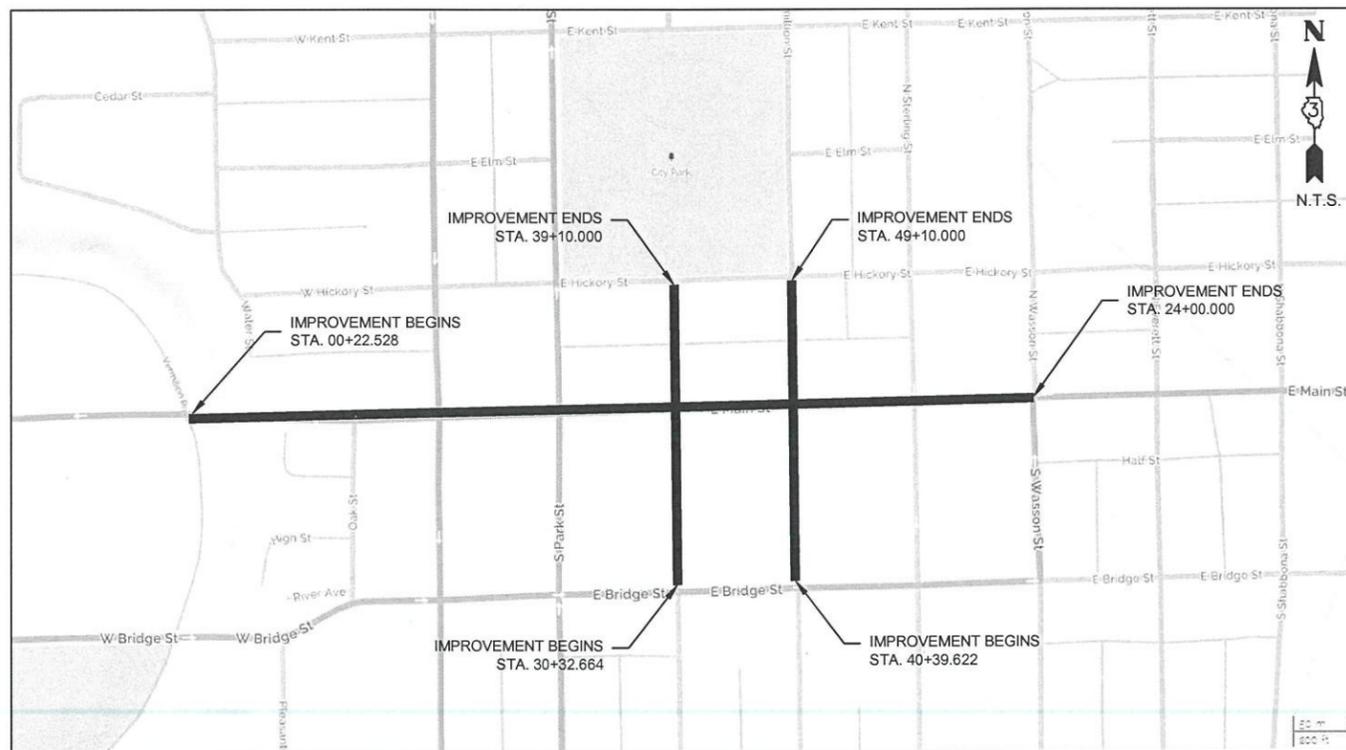
F.A.F. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	1
ILLINOIS		CONTRACT NO.	87717	

XFF8(387)
C-93-022-19



HIGHWAY STANDARDS

ABBREVIATIONS, SYMBOLS AND PATTERNS	000001-07
TEMPORARY EROSION CONTROL SYSTEMS	280001-07
PERPENDICULAR CURB RAMPS FOR SIDEWALKS	424001-11
CORNER PARALLEL CURB RAMPS FOR SIDEWALKS	424011-04
CONCRETE CURB TY-B & COMBINATION CONCRETE CURB & GUTTER	606001-07
OFF ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE	701101-05
URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN	701601-09
SIDEWALK, CORNER OR CROSSWALK CLOSURE	701801-06
TRAFFIC CONTROL DEVICES	701901-08
TYPICAL PAVEMENT MARKINGS	780001-05
LUMINAIRE WIRING IN POLE	821101-02
LIGHT POLE FOUNDATION	836001-04
TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS	BLR 22-7



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

CITY OF STREATOR (815) 672-2517
PROJECT ENGINEER - JEREMY PALM, P.E.

CONTRACT NO. 87717

LOCATION MAP - CITY OF STREATOR

TOTAL LENGTH OF PROJECT = 4,125.186 FEET = 0.781 MILES
NET LENGTH OF PROJECT = 4,125.186 FEET = 0.781 MILES

ROADWAY DATA (MAIN ST, IL ROUTE 18)

ROUTE CLASSIFICATION: OTHER PRINCIPAL ARTERIAL
FACILITY CLASS: II (2-LANE)
CURRENT YEAR ADT: 3350 (YEAR 2018)
DESIGN YEAR ADT: 4000 (YEAR 2038)
DESIGN GUIDELINES: URBAN
DESIGN SPEED: 25 MPH

ROADWAY DATA (MONROE STREET)

ROUTE CLASSIFICATION: LOCAL STREET
FACILITY CLASS: II (2-LANE)
CURRENT YEAR ADT: 500 (YEAR 2018)
DESIGN YEAR ADT: 500 (YEAR 2038)
DESIGN GUIDELINES: URBAN
DESIGN SPEED: 25 MPH

ROADWAY DATA (VERMILLION STREET)

ROUTE CLASSIFICATION: LOCAL STREET
FACILITY CLASS: II (2-LANE)
CURRENT YEAR ADT: 500 (YEAR 2018)
DESIGN YEAR ADT: 500 (YEAR 2038)
DESIGN GUIDELINES: URBAN
DESIGN SPEED: 25 MPH



SIGNATURE
Jeremy E. Palm

DATE: 4/1/20
EXPIRATION 11/30/2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED: *[Signature]* 4-2-2020
CITY OF STREATOR, MAYOR

PASSED: *[Signature]* 4/9/2020
DISTRICT 3 LOCAL ROADS AND STREETS ENGINEER

RELEASING FOR BID: *[Signature]* 4/9/2020
BASED ON LIMITED REVIEW: REGION TWO ENGINEER

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OF THE STATE OF ILLINOIS
FINAL

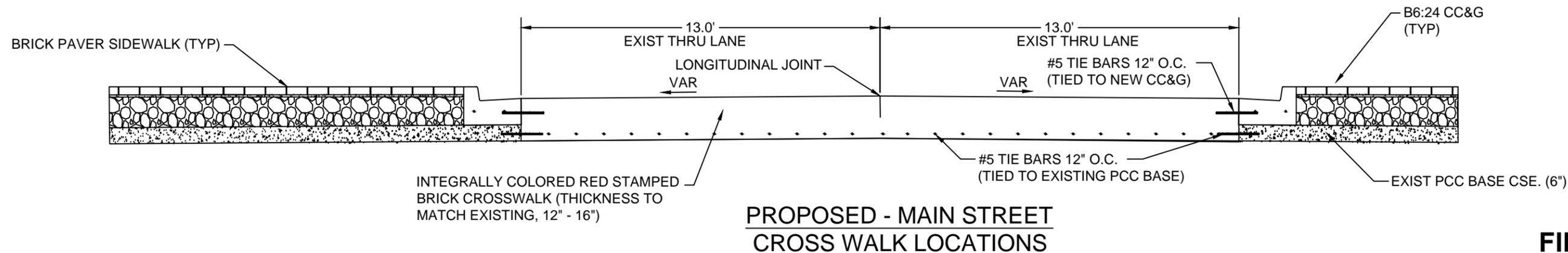
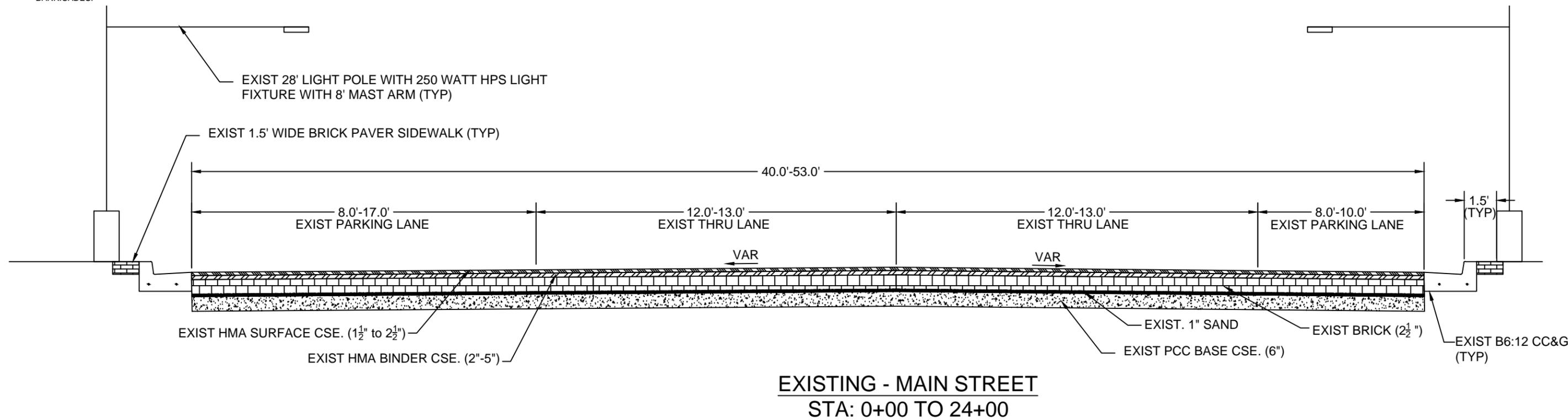
GENERAL NOTES

- ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON USGS MEAN SEA LEVEL DATUM.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OF THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS / CU YD
BITUMINOUS PRIME COAT	0.10 GAL / SQ YD
BITUMINOUS CONCRETE SURFACE COURSE	112 LBS / SQ YD / IN
BITUMINOUS CONCRETE BINDER COURSE	112 LBS / SQ YD / IN
- BEFORE ORDERING PIPE CULVERTS OR STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
- A MINIMUM OF FOUR SAND BAGS SHALL BE USED TO STABILIZE REQUIRED TYPE III BARRICADES.

GENERAL NOTES

- THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ALL ELEVATIONS SHOWN IN THE PLANS ARE TOP OF PAVEMENT GRADES UNLESS OTHERWISE NOTED.
- ALL SAWCUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1 1/2" UNLESS OTHERWISE NOTED ON THE PLANS.
- THE CONTRACTOR SHALL REMOVE, STORE, AND RE-ERECT EXISTING ROAD SIGNS AND MAILBOXES. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- SOIL EROSION AND SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S "STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" DATED 1981.



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - IDOT COMMENT 3-26-20
FILEL5		DRAWN - JCL	REVISED -
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes & Quantities

SCALE: N/A SHEET NO. 2 OF 35 SHEETS STA. TO STA.

F.A. FAF RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	2
CONTRACT NO.			87717	
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE 0028

ITEP FUNDS

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	Δ - SPECIALTY X - (SEE SPECIAL PROVISION)	CONSTRUCTION CODE 0028		
					50% STATE 50% CITY HIGHWAY LIGHTING URBAN	80% STATE 20% CITY ROADWAY URBAN	80% STATE 20% CITY TRAFFIC SIGNALS URBAN
35100100	AGGREGATE BASE COURSE	TON	235.0			235.0	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1745.0			1745.0	
42400800	DETECTABLE WARNINGS	SQ FT	112.0			112.0	
44000100	PAVEMENT REMOVAL	SQ YD	515.0			515.0	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	577.0	X		577.0	
44000600	SIDEWALK REMOVAL	SQ FT	9915.0			9915.0	
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	738.0	X		738.0	
72000100	SIGN PANEL ASSEMBLY - TYPE 1	SQ FT	120.0	Δ			120.0
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	6.0				6.0
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	722.0	Δ		722.0	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	491.0	Δ		491.0	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	275.0	Δ		275.0	
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	32.0	Δ			32.0
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	270.0	Δ	270.0		
82110004	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION D	EACH	27.0	Δ, X	27.0		
82110006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	27.0	Δ, X	27.0		
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	135.0	Δ	135.0		
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	27.0	Δ, X	27.0		
84200804	REMOVAL OF POLE FOUNDATION	EACH	27.0	Δ		27.0	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3.0	Δ			3.0
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	594.0	Δ			594.0
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2172.0	Δ			2172.0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	834.5	Δ			834.5
87700170	STEEL MAST ARM AND ASSEMBLY, 26 FT	EACH	2	Δ			2
87702596	STEEL MAST ARM AND POLE WITH DUAL MAST ARMS, 38 FT AND 40 FT	EACH	1	Δ			1
87800400	CONCRETE FOUNDATION, TYPE E, 30 INCH DIAMETER	FOOT	20.0	Δ			20.0

FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - IDOT COMMENT 3-26-20	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.F. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILES		DRAWN - JCL	REVISED -					0653	18-00100-00-LT	LaSalle	35	3
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -		SCALE: N/A	SHEET NO. 3 OF 35 SHEETS	STA. TO STA.	CONTRACT NO. 87717				
	PLOT DATE = 4/24/2020	DATE - 11/15/18	REVISED -		ILLINOIS FED. AID PROJECT							

					CONSTRUCTION CODE 0028		
					ITEP FUNDS		
CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	Δ - SPECIALTY X - (SEE SPECIAL PROVISION)	50% STATE 50% CITY	80% STATE 20% CITY	80% STATE 20% CITY
					HIGHWAY LIGHTING URBAN	ROADWAY URBAN	TRAFFIC SIGNALS URBAN
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	14.0	Δ			14.0
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	3.0	Δ			3.0
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3 SECTION, MAST ARM MOUNTED	EACH	6.0	Δ			6.0
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6.0	Δ			6.0
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	9.0	Δ			9.0
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	6.0	Δ			6.0
89501420	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1.0	Δ, X			1.0
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1833.0	Δ			1833.0
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3.0	Δ, X			3.0
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	3.0	Δ			3.0
LR430040	PAVING BRICK SIDEWALK	SQ YD	1378.0	X		1378.0	
X0300635	PLANTER	EACH	37.0	X		37.0	
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	225.0			225.0	
X0934900	MAST ARM, STEEL, MONOTUBE 26 FT.	EACH	2.0	Δ, X			2.0
X0934950	MAST ARM, STEEL, MONOTUBE 28 FT.	EACH	1.0	Δ, X			1.0
X6062213	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 13 INCH	SQ FT	1420.0	X		1420.0	
X7010228	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601, SPECIAL	L SUM	1.0			1.0	
X8140102	GROUND EXISTING HANDHOLE	EACH	12.0	Δ, X			12.0
X8300001	LIGHT POLE, SPECIAL	EACH	27.0	Δ, X	27.0		
X8730250	ELECTRIC CABLE IN CONDUIT. NO 20 3/C, TWISTED, SHIELDED	FOOT	96.0	Δ, X			96.0
X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	3.0	Δ			3.0
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1.0	Δ, X			1.0

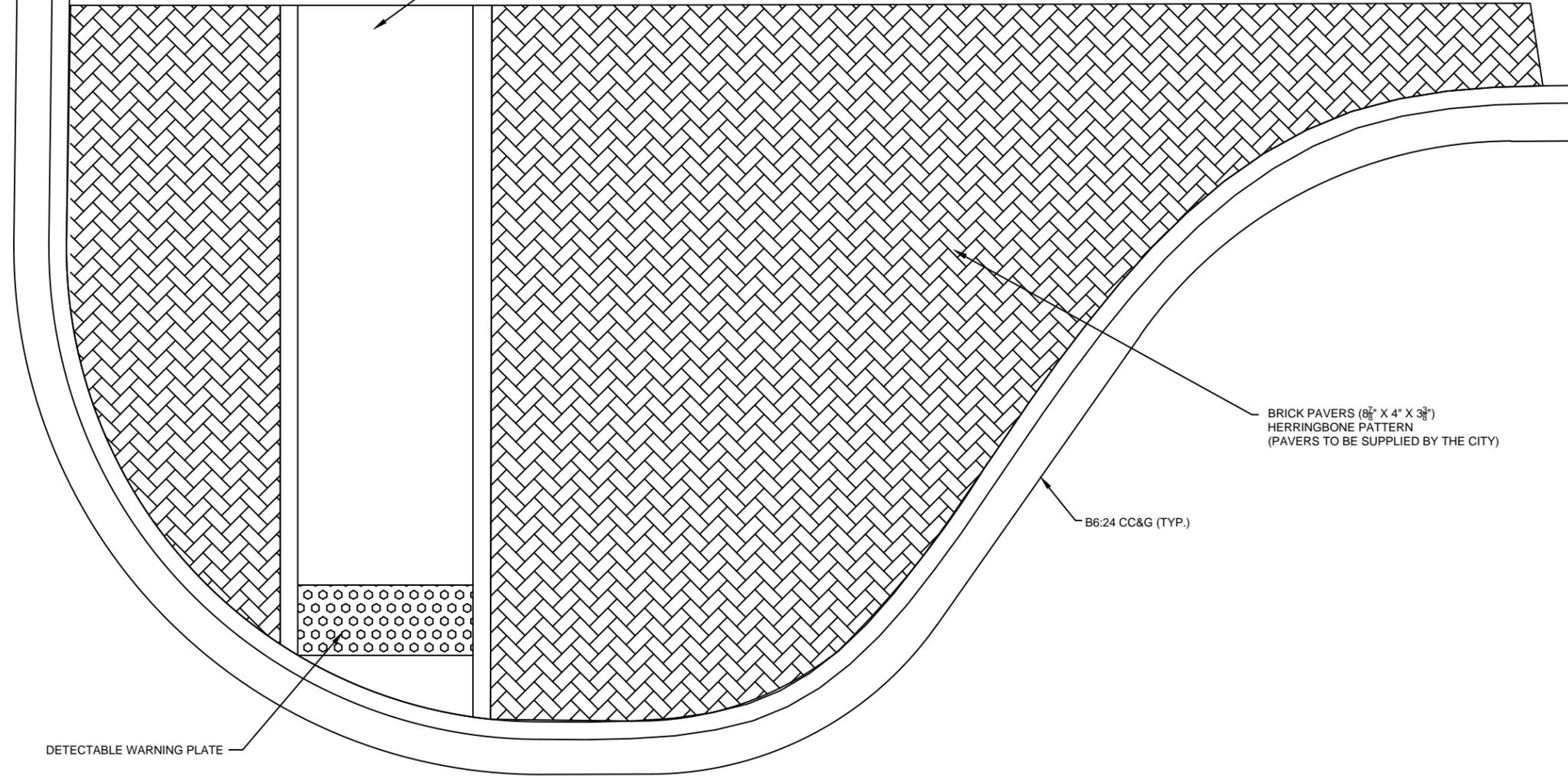
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FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - IDOT COMMENT 3-26-20	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.F. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE#S		DRAWN - JCL	REVISED -					0853	18-00100-00-LT	LaSalle	35	4
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	PLOT DATE = 5/4/2020	DATE - 11/15/18	REVISED -		CONTRACT NO. 87717							

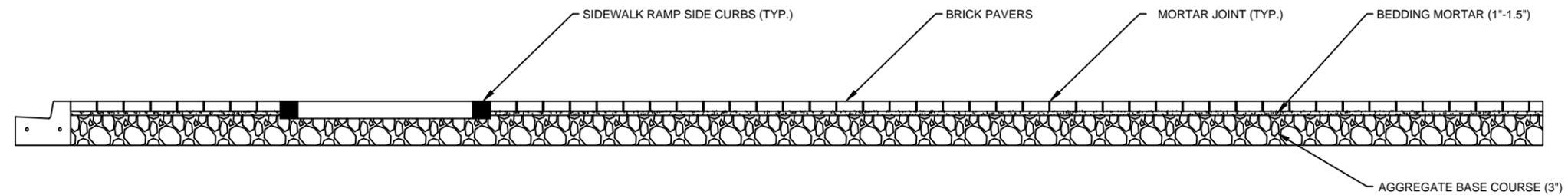
ILLINOIS FED. AID PROJECT

4" PCC SIDEWALK WITH SIDE CURBS PER IDOT STD.
424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALK

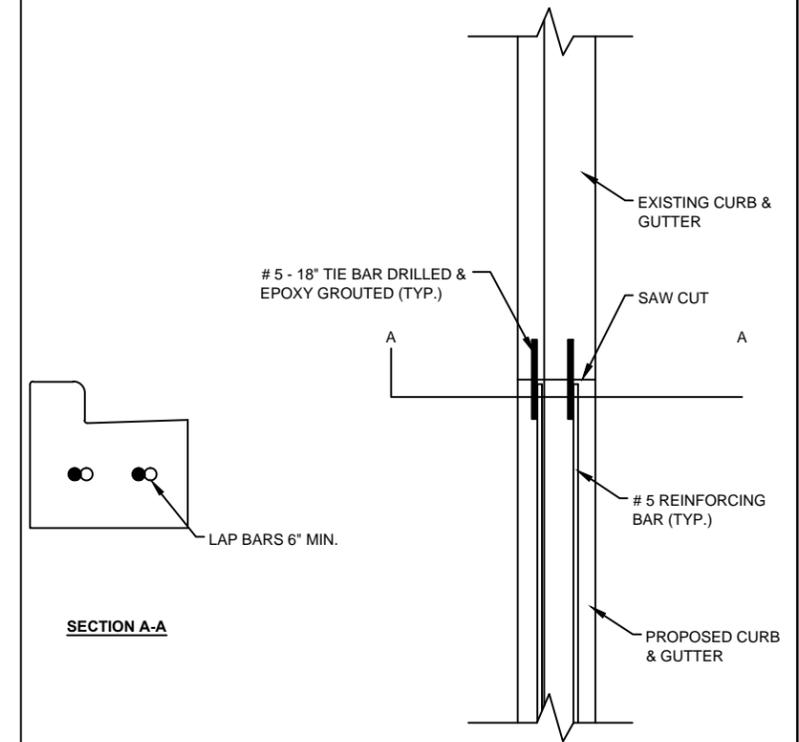
EXISTING PCC SIDEWALK



BRICK PAVER SIDEWALK DETAIL



BRICK PAVER SIDEWALK ELEVATION



TYPICAL CURB REINFORCEMENT

FINAL

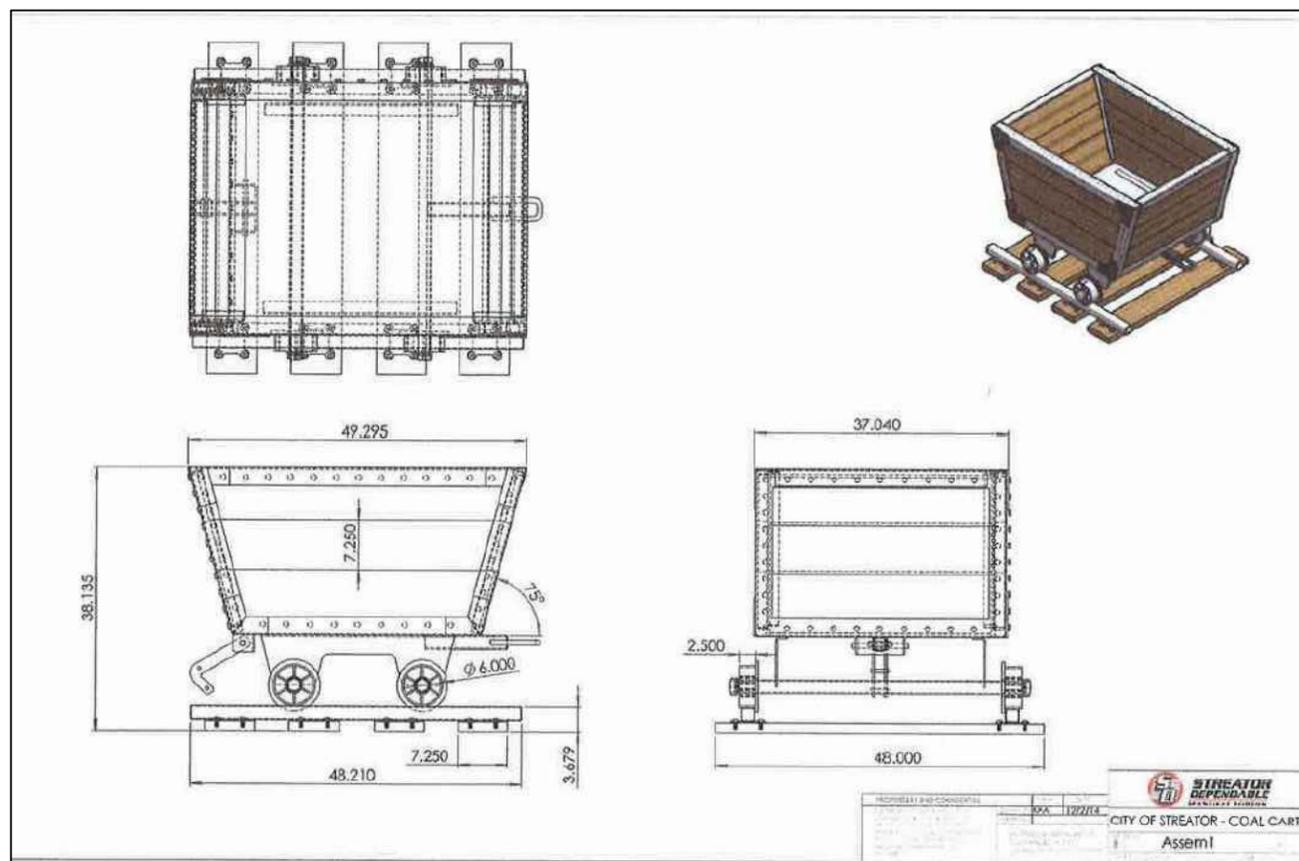
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	PLOT SCALE = 0.5	CHECKED - JEP	REVISED - _____
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

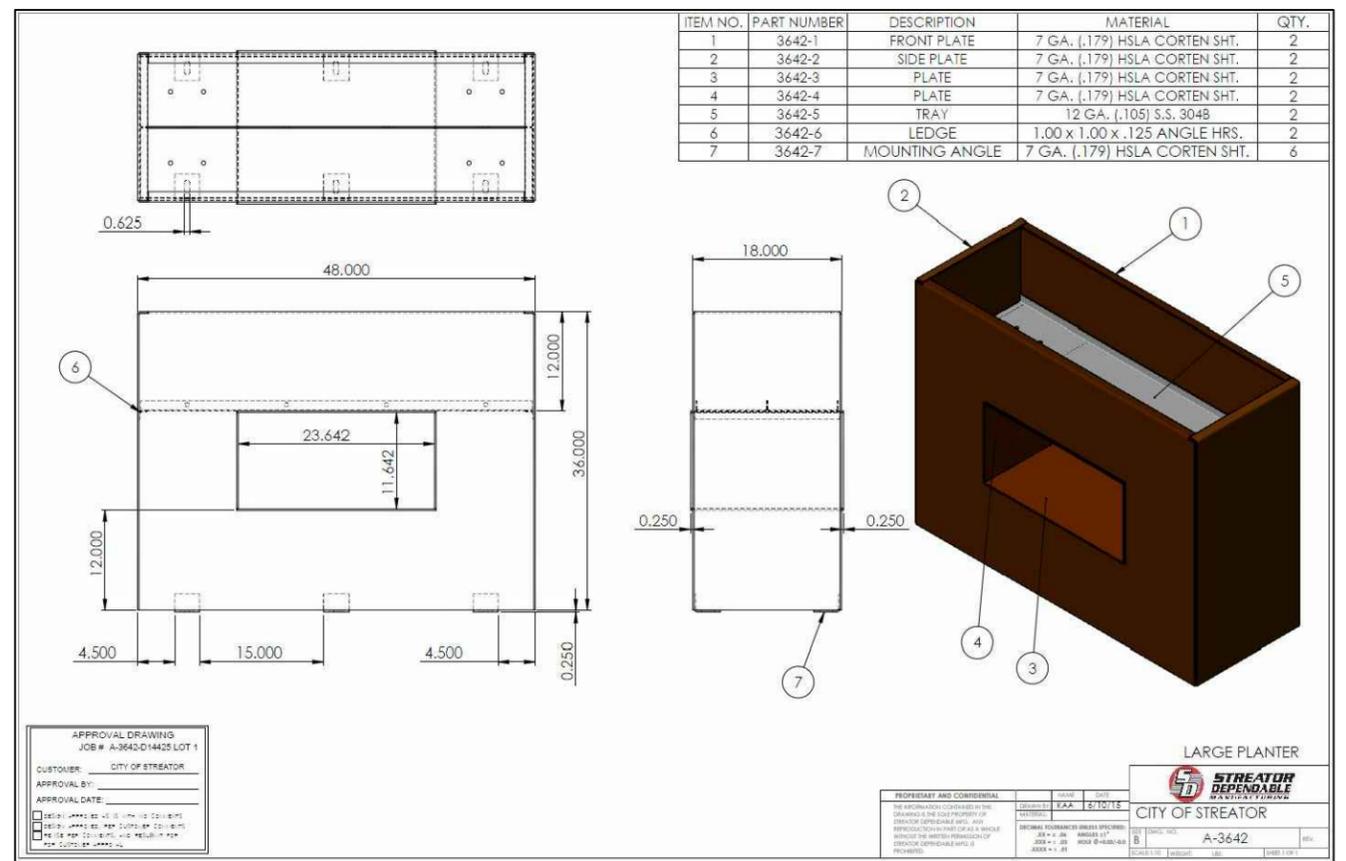
Details

SCALE: N/A SHEET NO. 5 OF 35 SHEETS STA. TO STA.

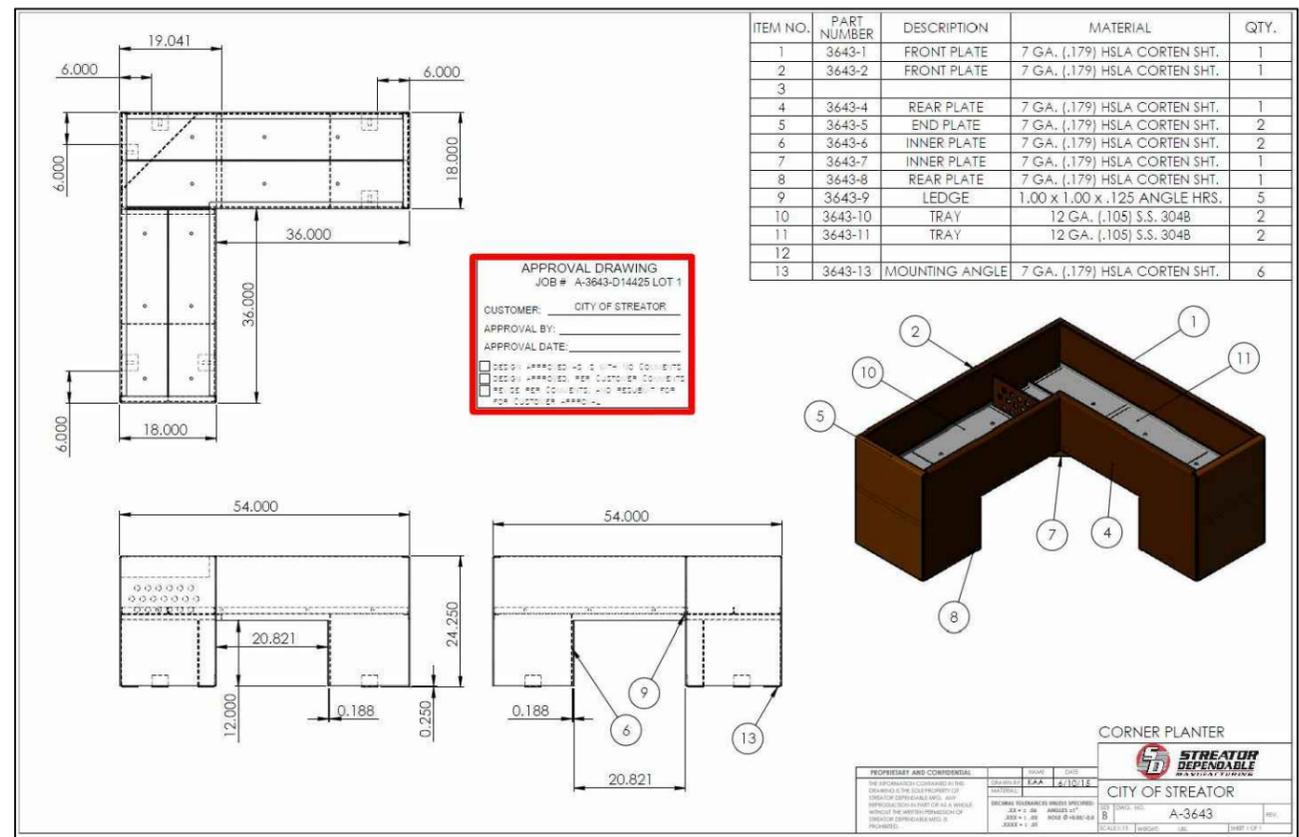
F.A. FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	5
CONTRACT NO.			87717	
ILLINOIS FED. AID PROJECT				



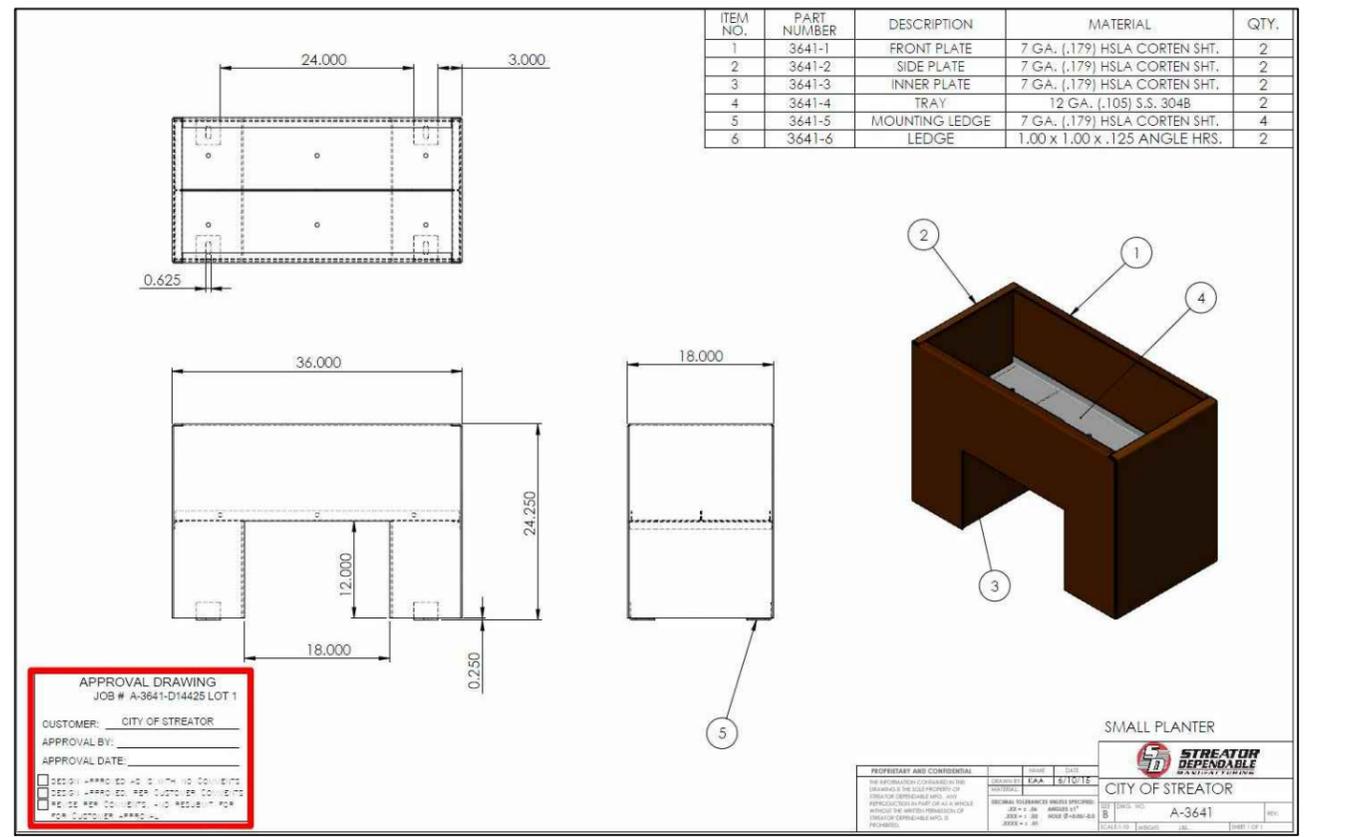
COAL CART PLANTER



LARGE PLANTER



CORNER PLANTER



SMALL PLANTER

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED -
FILEL5		DRAWN - JCL	REVISED -
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N/A	SHEET NO. 6 OF 35 SHEETS	STA. TO STA.
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F.A. FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	6
CONTRACT NO.				87717
ILLINOIS FED. AID PROJECT				

FINAL

STREETLIGHT SCHEDULE						
LOCATION	REMOVAL OF LIGHTING UNIT, SALVAGE	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION D	LIGHT POLE, 28 FT. M.H., 8 FT. MAST ARM (SPECIAL)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	LIGHT POLE FOUNDATION (24" DIAMETER)
LOCATION	EA	EA	EA	EA	FT.	FT.
MAIN STREET						
0+43, 18.7' LT	1	1	1	1	10.0	5.0
1+15.5, 25.9' RT	1	1	1	1	10.0	5.0
1+88, 25.5' LT	1	1	1	1	10.0	5.0
2+65.49, 25.5' RT	1	1	1	1	10.0	5.0
3+33, 25.5' LT	1	1	1	1	10.0	5.0
4+25, 25.5' RT	1	1	1	1	10.0	5.0
5+83, 33.5' RT	1	1	1	1	10.0	5.0
6+55.5, 23.5' LT	1	1	1	1	10.0	5.0
7+39, 33.5' RT	1	1	1	1	10.0	5.0
8+11.50, 23.5' LT	1	1	1	1	10.0	5.0
8+84, 33.5' RT	1	1	1	1	10.0	5.0
9+50, 23.5' LT	1	1	1	1	10.0	5.0
10+22.5, 26.0' RT	1	1	1	1	10.0	5.0
11+00, 23.5' LT	1	1	1	1	10.0	5.0
11+67.5, 26.0' RT	1	1	1	1	10.0	5.0
12+45, 23.5' LT	1	1	1	1	10.0	5.0
16+85.5, 25.5' LT	1	1	1	1	10.0	5.0
17+58, 25.5' RT	1	1	1	1	10.0	5.0
18+30, 25.5' LT	1	1	1	1	10.0	5.0
19+10.08, 25.5' RT	1	1	1	1	10.0	5.0
19+80, 25.5' LT	1	1	1	1	10.0	5.0
20+50, 25.5' RT	1	1	1	1	10.0	5.0
21+22.5, 25.5' LT	1	1	1	1	10.0	5.0
22+05, 25.5' RT	1	1	1	1	10.0	5.0
22+67.5, 25.5' LT	1	1	1	1	10.0	5.0
23+49, 25.5' RT	1	1	1	1	10.0	5.0
23+49, 25.5' LT	1	1	1	1	10.0	5.0
TOTAL	27.0	27.0	27.0	27.0	270.0	135.0

SIDEWALK SCHEDULE					
LOCATION	SIDEWALK REMOVAL	4" PCC SIDEWALK	DETECTABLE WARNINGS	PAVING BRICK SIDEWALK	STAMPED COLORED PCC MEDIAN SURFACE 13"
LOCATION	SQ. FT.	SQ. FT.	SQ. FT.	SQ. YD.	SQ. FT.
MAIN STREET					
0+32.44, 17.296 LT	49.72			5.5	
0+86.85, 19.318 LT	212.58			23.6	
2+46.00, 23.299 LT	443.62			49.3	
3+76.80, 22.049 LT	262.07			24.1	
4+10.23, 26.832 RT	480.43			53.4	
5+79.91, 27.754 RT		50	8	1.2	231.6
5+80.38, 23.994 LT		65	8	62.6	
7+18.76, 21.730 LT	437.33			65.3	
7+32.66, 35.495 RT	988.11			127.7	
7+62.78, 24.305 LT	425.19			62.3	
8+85.54, 30.699 RT		70	8	58.2	
8+92.02, 24.463 LT		70	8	2.5	248.8
9+47.73, 16.707 RT		70	8	0.7	164.3
9+47.84, 24.626 LT		70	8	0.8	
11+01.31, 28.802 RT	925.53			124.6	
11+01.82, 26.218 LT	886.11			129.9	
12+54.23, 16.750 RT		65	8	0.5	
12+59.70, 24.642 LT		70	8	1.9	168.3
14+62.88, 26.059 RT	692.47			76.9	
14+66.61, 34.792 LT	472.25			52.5	
16+79.79, 15.704 RT		80	8	2.1	
16+79.89, 27.505 LT		40	8		191.8
18+33.28, 29.404 RT	915.77			126.9	
18+34.43, 29.270 LT	959.27			132.2	
19+92.44, 21.328 RT		70	8	0.9	181.3
19+93.45, 27.283 LT		70	8	1.3	
20+39.36, 33.938 LT		55	8	3.1	
20+40.00, 16.233 RT		135	8		
20+42.41, 29.124 LT	44.67				234.1
20+43.25, 31.355 RT	67.64				
21+93.65, 27.919 RT	816.54			93.7	
21+93.67, 27.416 LT	835.73			94.2	
LIGHT POLES		765.0			
TOTAL	9915.0	1745.0	112.0	1378.0	1420.0

CURB & GUTTER SCHEDULE		
LOCATION	CC&G REMOVAL	B6:24 CC&G
LOCATION	FT.	FT.
MAIN STREET		
5+70.85', 42.410' RT	46	59.0
5+71.14', 30.774' LT	45	57.0
8+56.83', 32.563' RT	46	50.0
8+58.72', 21.465' LT	47	61.0
9+38.71', 32.960' LT	44	59.0
9+39.05', 35.514' RT	44	55
12+22.68', 24.347' RT	48	61
12+24.43', 21.648' LT	50	59.0
16+70.23', 35.189' RT	42	57.0
16+73.34', 29.395' LT	37	54.0
19+55.77', 25.275' RT	47	59
19+57.10', 23.946' LT	46	58
20+36.77', 36.476' RT	25	39
20+39.90', 28.174' LT	10	10
TOTAL	577.0	738.0

PAVEMENT MARKING SCHEDULE					
LOCATION	THERMOPLASTIC PAVEMENT MARKING EDGE LINE -4" (WHITE)	THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW)	THERMOPLASTIC PAVEMENT MARKING LINE - 6" (YELLOW)	THERMOPLASTIC PAVEMENT MARKING LINE - 12" STOP BAR (WHITE)	THERMOPLASTIC PAVEMENT MARKING LINE - 12" HATCH LINE (WHITE)
LOCATION	FT.	FT.	FT.	FT.	FT.
MAIN STREET					
5+73.90', 28.810' LT			43		
5+79.93', 24.919' LT			36		
8+85.57', 27.743' LT			38		
8+91.53', 32.425' LT			46		
9+41.73', 17.205' LT			31		
9+47.74', 14.150' LT			25		
12+53.87', 11.171' RT			25		
12+59.83', 14.191' RT			32		
16+73.79', 15.585' LT			38		
16+79.80', 13.108' LT			29		
19+86.61', 14.018' LT			27		
19+92.52', 17.383' LT			34		
20+39.40', 29.537' RT			46		
20+45.49', 22.685' RT			41		
MONROE STREET					
NORTH CENTERLINE		80			
SOUTH CENTERLINE		120			
34+50 - 35+00	65				40
36+10 - 36+50	56				40
30+25 LT				11	
35+05 RT				11	
35+95 LT				11	
VERMILION STREET					
NORTH CENTERLINE		80			
SOUTH CENTERLINE		120			
43+50 - 45+25	145				85
45+90 - 46+45	56				40
40+25 LT				14	
45+10 RT				12	
45+95 LT				11	
SUBTOTAL	322.0	400.0	491.0	70.0	205.0
TOTAL		722.0	491.0	275.0	

PLANTER SCHEDULE																							
LOCATION	5+85, LT	6+00, RT	7+50, RT	8+85, RT	8+90, LT	9+55, LT	9+85, RT	11+05, LT	11+10, RT	12+25, LT	12+50, RT	16+90, RT	17+05, LT	18+40, LT, RT	19+85, RT	19+90, LT	20+45, RT	20+65, LT	22+05, LT	22+15, RT	23+40, LT, RT	TOTAL	
COAL CART PLANTER	1			1		1					1	1				1	1					7	
CORNER PLANTER		1			1		1						1		1			1				9	
LARGE PLANTER			1					1	1					2						1	1	7	
SMALL PLANTER			2					2	2					4						2	2	14	

PAVEMENT REMOVAL SCHEDULE	
LOCATION	PAVEMENT REMOVAL SQ. YD.
MAIN STREET	
5+80.26, 10.601 LT	25.7
5+85.35, 9.904 LT	30.9
6+13.18, 31.593 RT	25.3
8+81.39, 31.660 RT	15.4
8+83.97, 20.745 LT	31.9
8+91.92, 13.180 LT	27.6
9+47.81, 10.923 LT	18.3
9+67.59, 17.832 LT	29.7
9+79.14, 23.811 RT	29.5
12+22.56, 20.642 LT	31.3
12+53.47, 23.532 RT	29.6
12+59.83, 14.191 LT	18.7
16+79.87, 15.453 LT	21.3
16+87.29, 14.684 RT	31.0
16+99.64, 20.781 LT	22.6
19+55.49, 22.931 LT	30.3
19+66.69, 21.438 RT	29.6
19+93.24, 16.897 LT	20.1
20+44.76, 24.261 RT	18.6
20+45.49, 22.685 LT	27.6
TOTAL	515.0

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 3/26/20 - IDOT COMMENT
SFILES		DRAWN - JCL	REVISED -
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 5/4/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Schedule of Quantities		
SCALE: N/A	SHEET NO. 7 OF 35 SHEETS	STA. TO STA.

F.A. FAR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	7
CONTRACT NO.			87717	
ILLINOIS		FED. AID PROJECT		

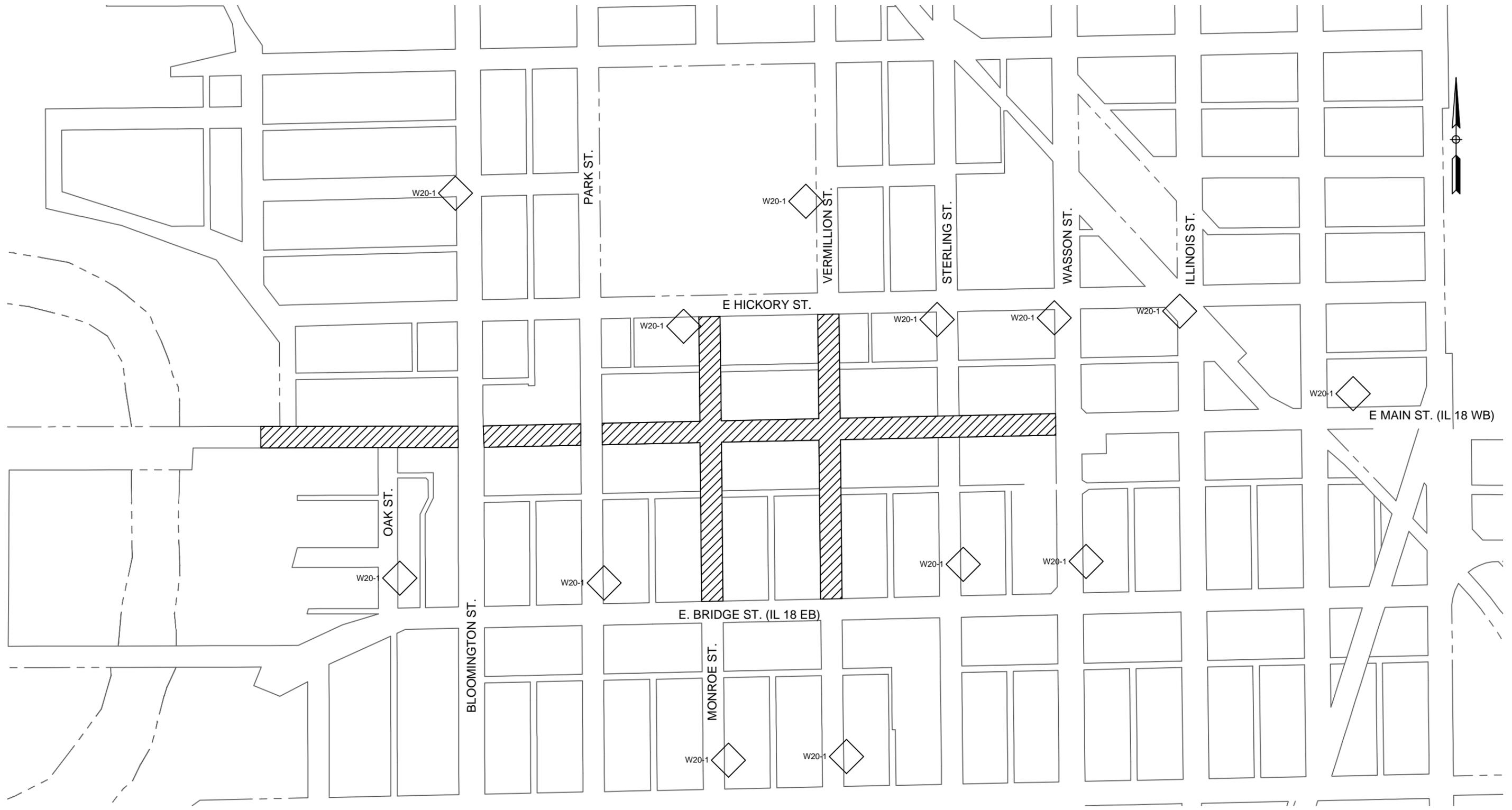
FINAL

- NOTES: 1. TRAFFIC CONTROL FOR CURB BUMPOUT AND STREETLIGHT CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701101-05 OFF-ROAD MULTI-LANE 15'-24" FROM PAVEMENT EDGE. TWO THRU LANES TO REMAIN OPEN.
2. TRAFFIC CONTROL FOR STAMPED BRICK CONCRETE CROSSWALK CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN. ONE THRU LANE TO REMAIN OPEN.

LEGEND

 = WORK AREA
 = DRUM WITH STEADY BURN LIGHT
 = PROPOSED SIGN

 = TYPE III. BARRICADE R11-4 (ROAD CLOSED) WITH FLASHING LIGHTS AND SIGN
 = TYPE III. BARRICADES, R11-3a (ROAD CLOSED-LOCAL TRAFFIC ONLY) WITH FLASHING LIGHTS STAGGERED TO ALLOW PASSAGE



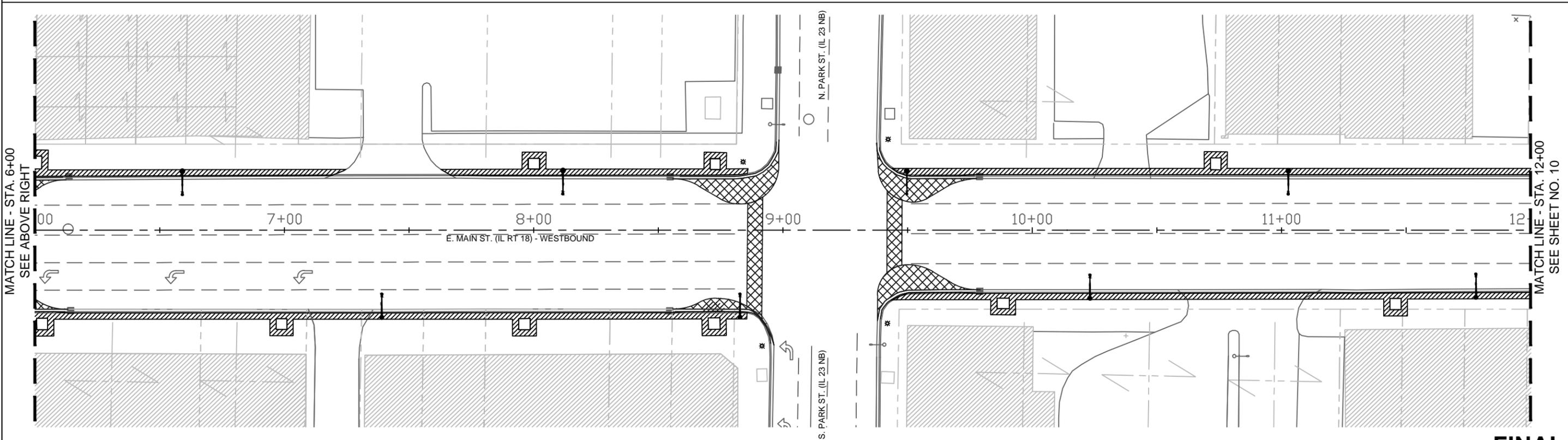
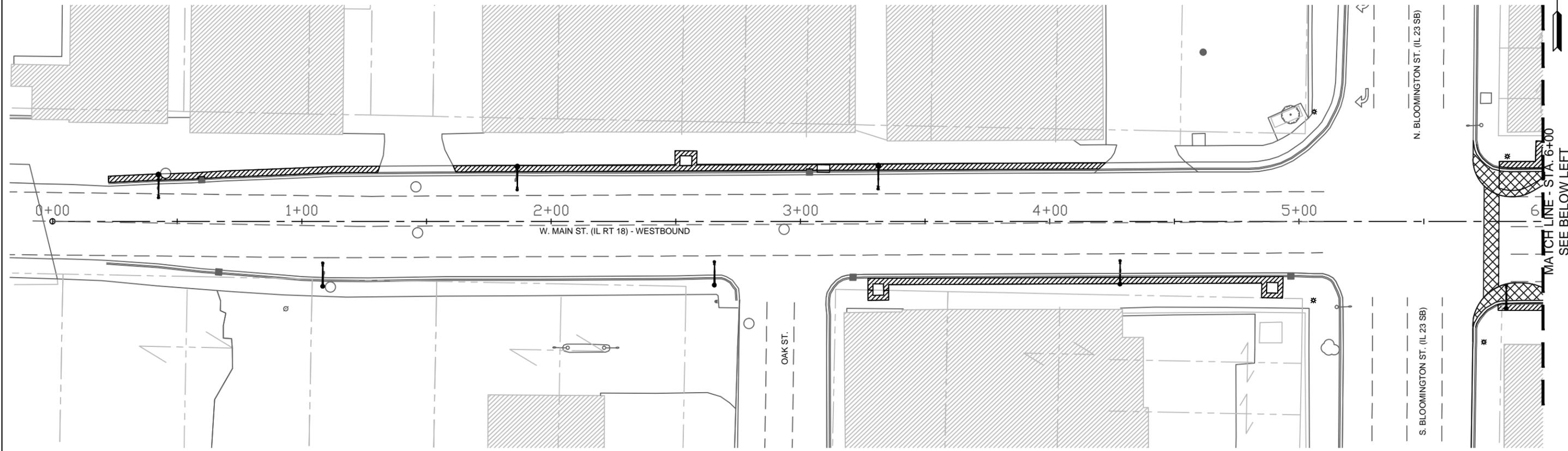
FINAL

FILE NAME = SFILES	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Traffic Control Plan			F.A. FAF RTE. 0653	SECTION 18-00100-00-LT	COUNTY LaSalle	TOTAL SHEETS 35	SHEET NO. 8	
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED - _____		SCALE: N/A	SHEET NO. 8 OF 35 SHEETS	STA. TO STA.	CONTRACT NO. 87717					
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED - _____		ILLINOIS FED. AID PROJECT								

- NOTES: 1. TRAFFIC CONTROL FOR CURB BUMPOUT AND STREETLIGHT CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701101-05 OFF-ROAD MULTI-LANE 15'-24" FROM PAVEMENT EDGE. TWO THRU LANES TO REMAIN OPEN.
2. TRAFFIC CONTROL FOR STAMPED BRICK CONCRETE CROSSWALK CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN. ONE THRU LANE TO REMAIN OPEN.
3. EXISTING PAVEMENT TO BE SAWCUT PRIOR TO PAVEMENT REMOVAL.

LEGEND

-  = PAVEMENT REMOVAL
-  = SIDEWALK REMOVAL
-  = CURB REMOVAL
-  = EXIST. LIGHT POLE SALVAGE AND FOUNDATION REMOVAL



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT
FILES		DRAWN - JCL	REVISED - 3-26-20 - IDOT COMMENT
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Removal Plan (E. Main St. - 0+22.50 - 12+00)

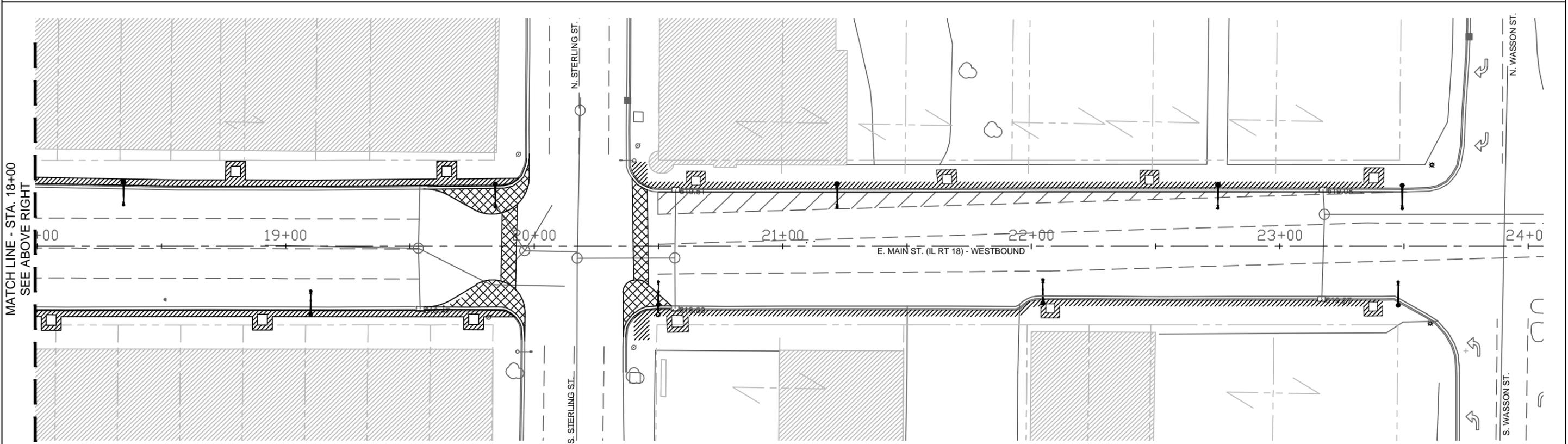
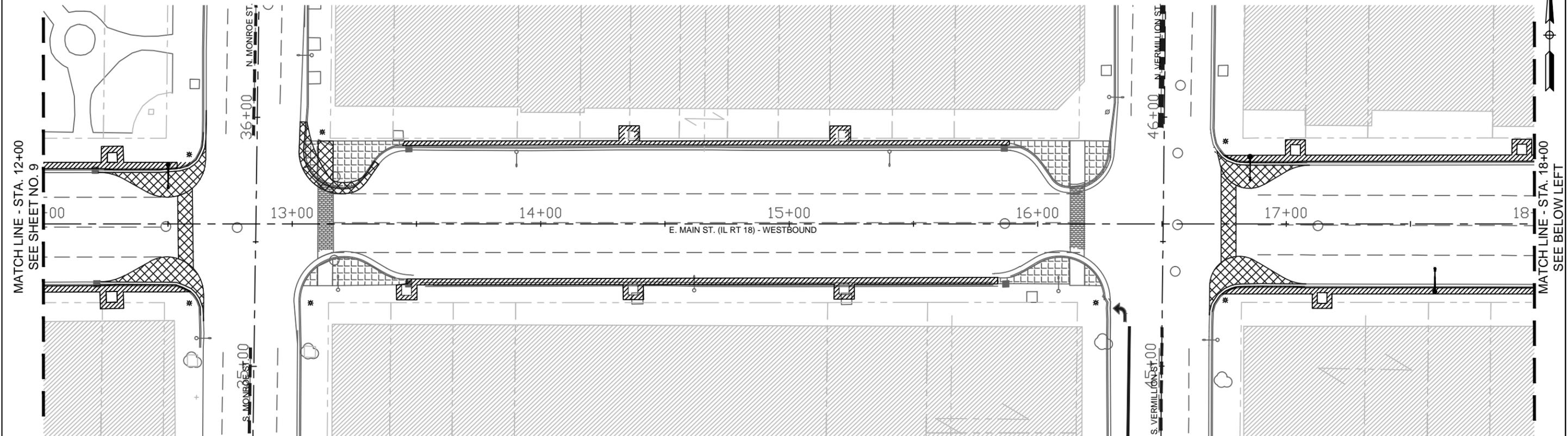
SCALE: 1" = 20' SHEET NO. 9 OF 35 SHEETS STA. 0+22.50 TO STA. 12+00

F.A. FAF RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	9
CONTRACT NO.			87717	
ILLINOIS		FED. AID PROJECT		

- NOTES: 1. TRAFFIC CONTROL FOR CURB BUMPOUT CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701101-05 OFF-ROAD MULTI-LANE 15'-24" FROM PAVEMENT EDGE. TWO THRU LANES TO REMAIN OPEN.
2. TRAFFIC CONTROL FOR STAMPED BRICK CONCRETE CROSSWALK CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN. ONE THRU LANE TO REMAIN OPEN.
3. EXISTING PAVEMENT TO BE SAWCUT PRIOR TO PAVEMENT REMOVAL

LEGEND

-  = PAVEMENT REMOVAL
-  = SIDEWALK REMOVAL
-  = CURB REMOVAL
-  = EXIST. LIGHT POLE SALVAGE AND FOUNDATION REMOVAL



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT
FILES		DRAWN - JCL	REVISED - 3-26-20 - IDOT COMMENT
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Removal Plan (E. Main St. - 12+00 - 24+00)

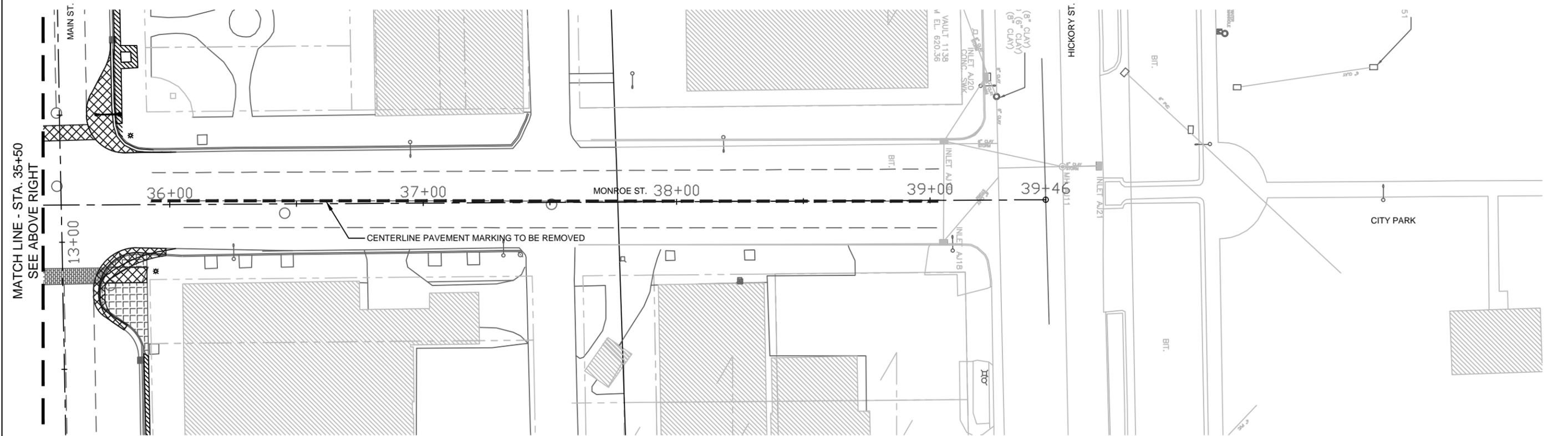
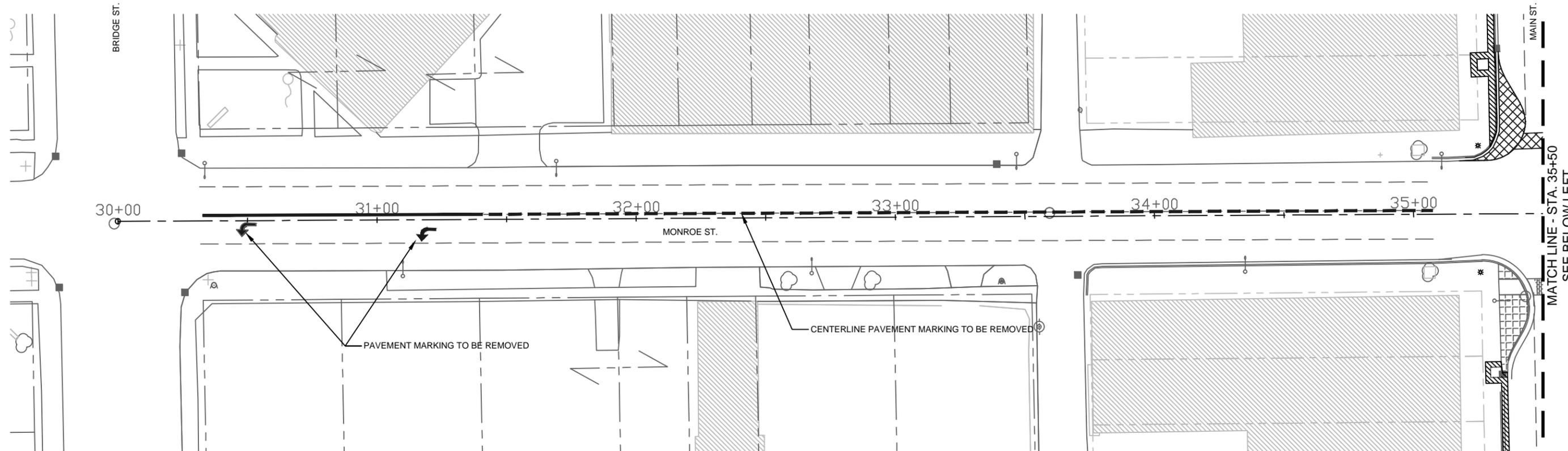
SCALE: 1" = 20' SHEET NO. 10 OF 35 SHEETS STA. 12+00 TO STA. 24+00

F.A. FAF RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	10
CONTRACT NO.			87717	
ILLINOIS		FED. AID PROJECT		

- NOTES: 1. TRAFFIC CONTROL FOR CURB BUMPOUT CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701101-05 OFF-ROAD MULTI-LANE 15'-24" FROM PAVEMENT EDGE. TWO THRU LANES TO REMAIN OPEN.
 2. TRAFFIC CONTROL FOR STAMPED BRICK CONCRETE CROSSWALK CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN. ONE THRU LANE TO REMAIN OPEN.
 3. EXISTING PAVEMENT TO BE SAWCUT PRIOR TO PAVEMENT REMOVAL

LEGEND

-  = PAVEMENT REMOVAL
-  = SIDEWALK REMOVAL
-  = CURB REMOVAL
-  = EXIST. LIGHT POLE SALVAGE AND FOUNDATION REMOVAL



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT
FILELS		DRAWN - JCL	REVISED - 3-26-20 - IDOT COMMENT
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

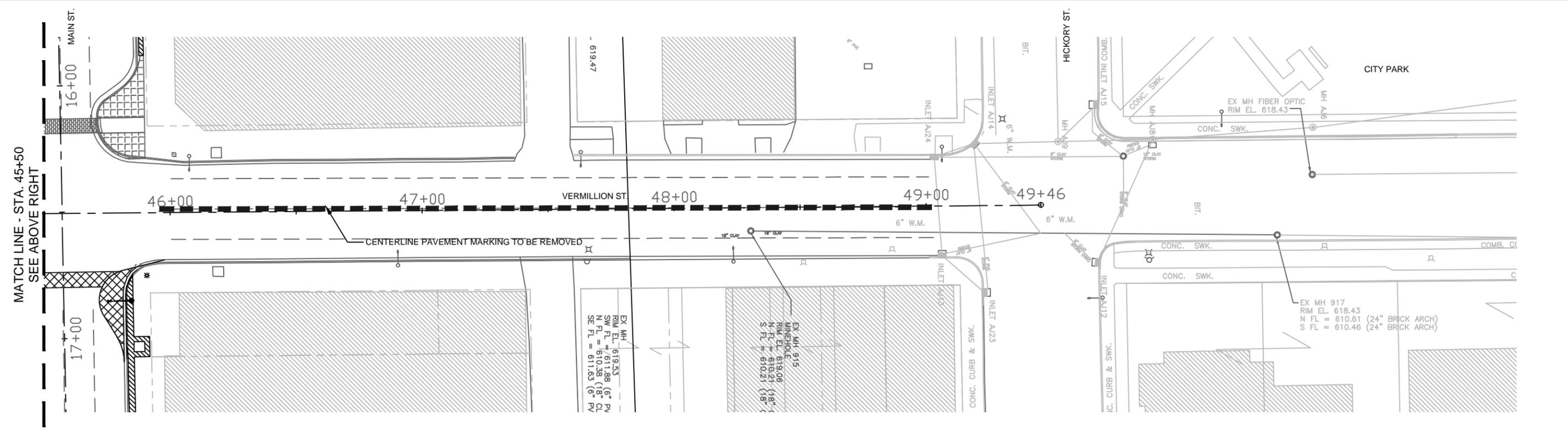
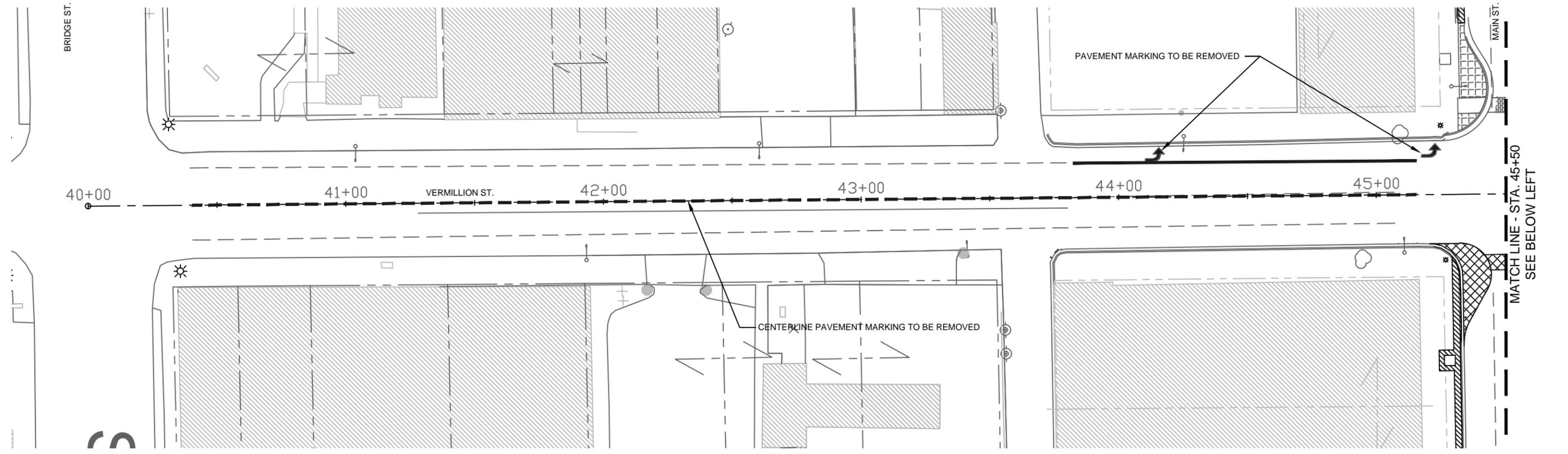
Removal Plan (Monroe St. - 30+25 - 39+04)
 SCALE: 1" = 20' SHEET NO. 11 OF 35 SHEETS STA. 30+25 TO STA. 39+04

F.A. FAF RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	11
CONTRACT NO.				87717
ILLINOIS		FED. AID PROJECT		

- NOTES: 1. TRAFFIC CONTROL FOR CURB BUMPOUT CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701101-05 OFF-ROAD MULTI-LANE 15'-24" FROM PAVEMENT EDGE. TWO THRU LANES TO REMAIN OPEN.
 2. TRAFFIC CONTROL FOR STAMPED BRICK CONCRETE CROSSWALK CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN. ONE THRU LANE TO REMAIN OPEN.
 3. EXISTING PAVEMENT TO BE SAWCUT PRIOR TO PAVEMENT REMOVAL

LEGEND

-  = PAVEMENT REMOVAL
-  = SIDEWALK REMOVAL
-  = CURB REMOVAL
-  = EXIST. LIGHT POLE SALVAGE AND FOUNDATION REMOVAL



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 3-26-20 - IDOT COMMENT	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Removal Plan (Vermillion St. - 40+25 - 49+04)			F.A. FAP RTE. 0653	SECTION 18-00100-00-LT	COUNTY LaSalle	TOTAL SHEETS 35	SHEET NO. 12
FILE#S	PLOT SCALE = 0.5	DRAWN - JCL	REVISED -		SCALE: 1" = 20'	SHEET NO. 12 OF 35 SHEETS	STA. 40+25 TO STA. 49+04	CONTRACT NO. 87717				
	PLOT DATE = 4/1/2020	CHECKED - JEP	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 11/15/18	REVISED -									

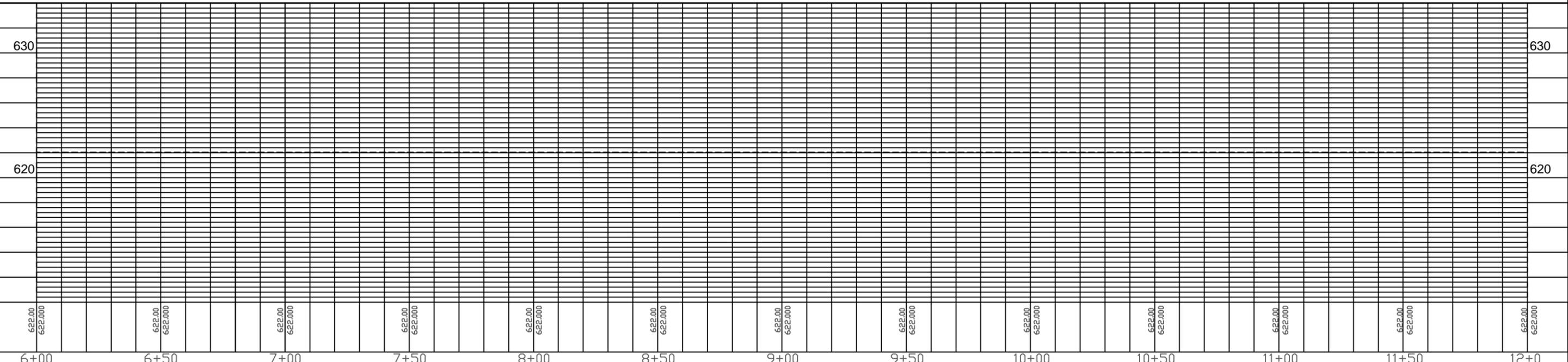
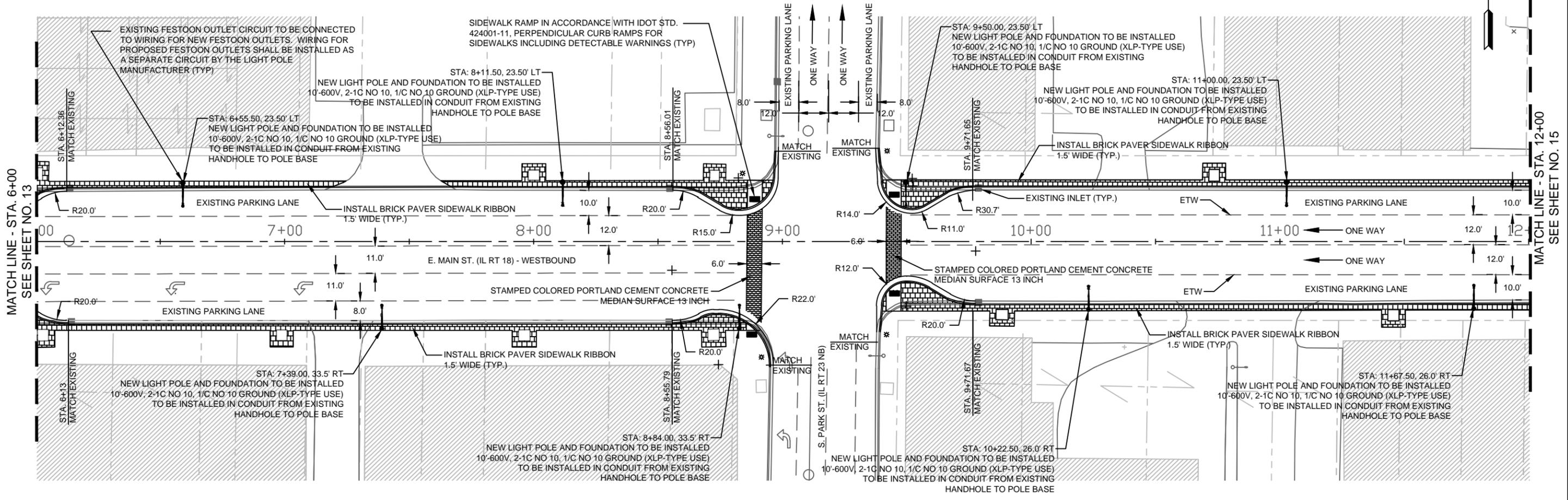
- NOTES: 1. TRAFFIC CONTROL FOR CURB BUMPOUT CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701101-05 OFF-ROAD MULTI-LANE 15'-24" FROM PAVEMENT EDGE. TWO THRU LANES TO REMAIN OPEN.
2. TRAFFIC CONTROL FOR STAMPED BRICK CONCRETE CROSSWALK CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN. ONE THRU LANE TO REMAIN OPEN.
3. ALL CONDUIT TO BE BURIED AT A MINIMUM DEPTH OF 2.5 FT OR 2 FT BELOW FINISHED GRADE PER SEC. 810 OF THE STANDARD SPECIFICATIONS.
4. ALL WIRE RUNS SHALL INCLUDE 36" OF SLACK IN ALL HANDHOLES AND INSIDE LIGHT POLES.
5. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE 2014 NATIONAL ELECTRIC CODE.

LEGEND

-  = BRICK PAVER SIDEWALK (SEE DETAIL ON SHEET 3)
-  = NEW LIGHT POLE AND FOUNDATION TO BE INSTALLED

DATE	
BY	
REVISIONS	
PLAN	
NO.	

DATE	
BY	
REVISIONS	
PROFILE	
NO.	



FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT	STATE OF ILLINOIS				F.A. FAR	SECTION	COUNTY	TOTAL	SHEET	
FILE#S		DRAWN - JCL	REVISED - 3-26-20 - IDOT COMMENT	DEPARTMENT OF TRANSPORTATION				0653	18-00100-00-LT	LaSalle	35	14	
		CHECKED - JEP	REVISED -	Plan and Profile (E. Main St. - 6+00 - 12+00)							CONTRACT NO. 87717		
		PLOT SCALE = 0.5	REVISED -	SCALE: 1" = 20'				SHEET NO. 14 OF 35 SHEETS		STA. 5+75 TO STA. 12+00		ILLINOIS FED. AID PROJECT	
		PLOT DATE = 4/24/2020	DATE - 11/15/18										

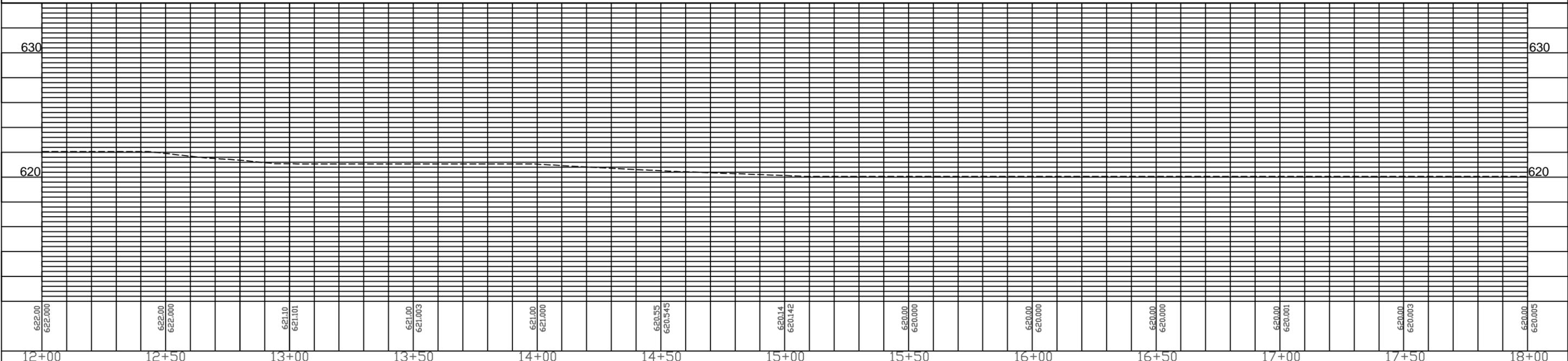
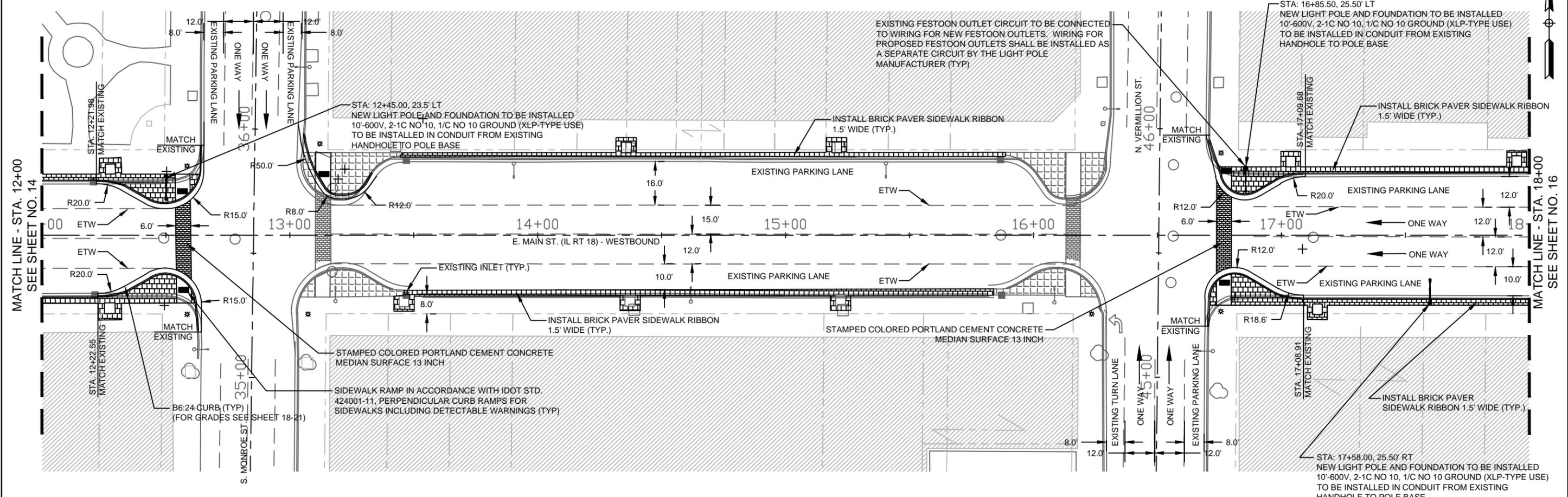
- NOTES: 1. TRAFFIC CONTROL FOR CURB BUMPOUT CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701101-05 OFF-ROAD MULTI-LANE 15'-24" FROM PAVEMENT EDGE. TWO THRU LANES TO REMAIN OPEN.
2. TRAFFIC CONTROL FOR STAMPED BRICK CONCRETE CROSSWALK CONSTRUCTION ON MAIN ST (IL RTE 18) TO BE IN ACCORDANCE WITH IDOT STD. 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN. ONE THRU LANE TO REMAIN OPEN.
3. ALL CONDUIT TO BE BURIED AT A MINIMUM DEPTH OF 2.5 FT OR 2 FT BELOW FINISHED GRADE PER SEC. 810 OF THE STANDARD SPECIFICATIONS.
4. ALL WIRE RUNS SHALL INCLUDE 36" OF SLACK IN ALL HANDHOLES AND INSIDE LIGHT POLES.
5. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE 2014 NATIONAL ELECTRIC CODE.

LEGEND

-  = BRICK PAVER SIDEWALK (SEE DETAIL ON SHEET 3)
-  = NEW LIGHT POLE AND FOUNDATION TO BE INSTALLED

DATE	
BY	
REVISIONS	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
REVISIONS	
PROFILE	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">Plan and Profile (E. Main St. - 12+00 - 18+00)</p> <p align="center">SCALE: 1" = 20' SHEET NO. 15 OF 35 SHEETS STA. 12+00 TO STA. 18+00</p>		F.A. FAR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE#S	PLOT SCALE = 0.5	DRAWN - JCL	REVISED - 3-26-20 - IDOT COMMENT			0653	18-00100-00-LT	LaSalle	35	15	
	PLOT DATE = 4/24/2020	CHECKED - JEP	REVISED -			CONTRACT NO. 87717					
		DATE - 11/15/18	REVISED -			ILLINOIS FED. AID PROJECT					

- NOTES: 1. EXISTING CONDUITS ARE LOCATED 6" BEHIND THE EXISTING BACK OF CURB ON ALL STREETS
2. EXISTING LIGHTING CONTROLLERS ARE LOCATED ON THE UTILITY SERVICE POLES MOUNTED 15' ABOVE THE GROUND WITHIN ALLEY RIGHT-OF-WAYS AT THE LOCATIONS SHOWN

LEGEND

-  = NEW LIGHT POLE AND FOUNDATION TO BE INSTALLED
-  = EXISTING LIGHT POLE TO REMAIN
-  = EXISTING 2" CONDUIT WITH 3-1/8" NO 8 AND GROUND
-  = EXISTING CONTROLLER AND SERVICE LOCATION



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 3-26-20 - IDOT COMMENT
FILELIS		DRAWN - JCL	REVISED -
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Lighting Electrical Circuit Layout
SCALE: 1"=80' SHEET NO. 17 OF 35 SHEETS STA. TO STA.

F.A. FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	17
CONTRACT NO.			87717	
ILLINOIS FED. AID PROJECT				

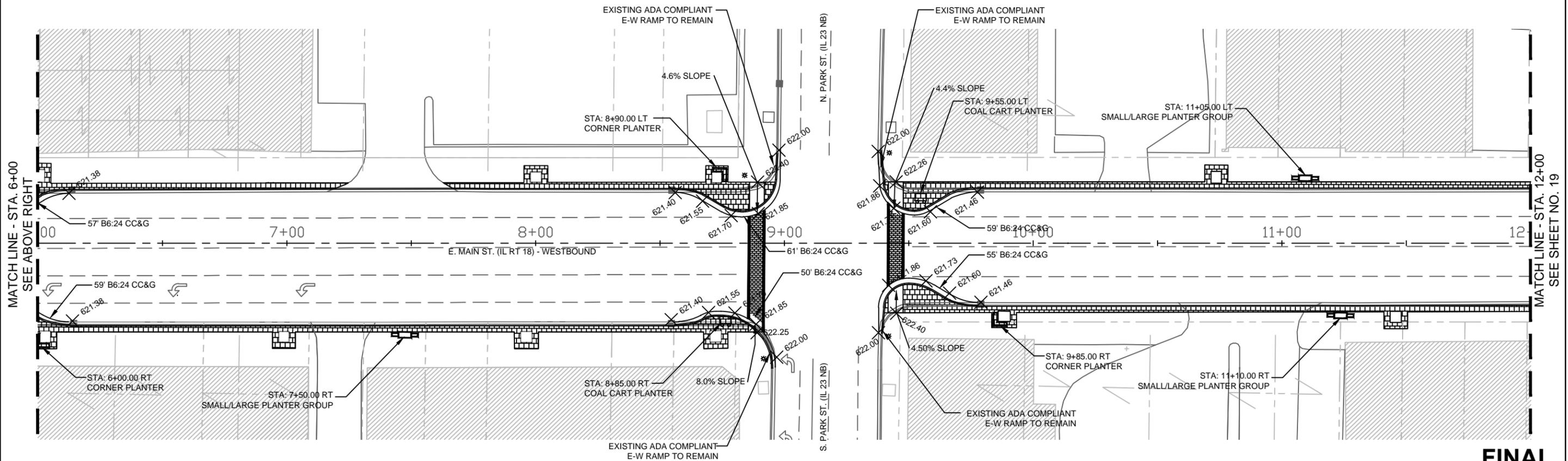
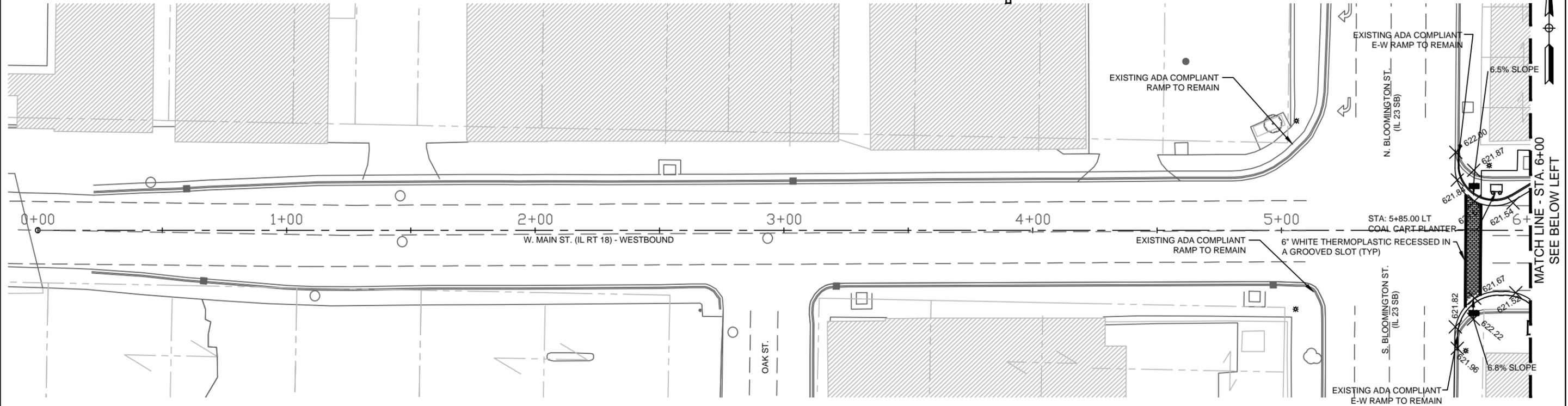
NOTE: ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND SHALL BE APPLIED ACCORDING TO THE "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES" AND ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS

NOTE: ALL EXISTING SIGNS AND BANNERS ON LIGHT POLES SHALL BE REMOVED BY THE CITY OF STREATOR PUBLIC WORKS PRIOR TO THE START OF CONSTRUCTION AND REPLACED FOLLOWING INSTALLATION OF THE NEW POLES.

LEGEND

 = COAL CART PLANTER
 = "L" SHAPED CORNER PLANTER

 619.73 = EDGE OF PAVEMENT GRADE



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT
FILES		DRAWN - JCL	REVISED - 3/26/20 - IDOT COMMENT
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Landscaping/Pavement Marking Plan
(E. Main St. - 0+22.50 - 12+00)

SCALE: 1" = 20' SHEET NO. 18 OF 35 SHEETS STA. 0+22.50 TO STA. 12+00

F.A. FAF RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	18
CONTRACT NO.				87717
ILLINOIS FED. AID PROJECT				

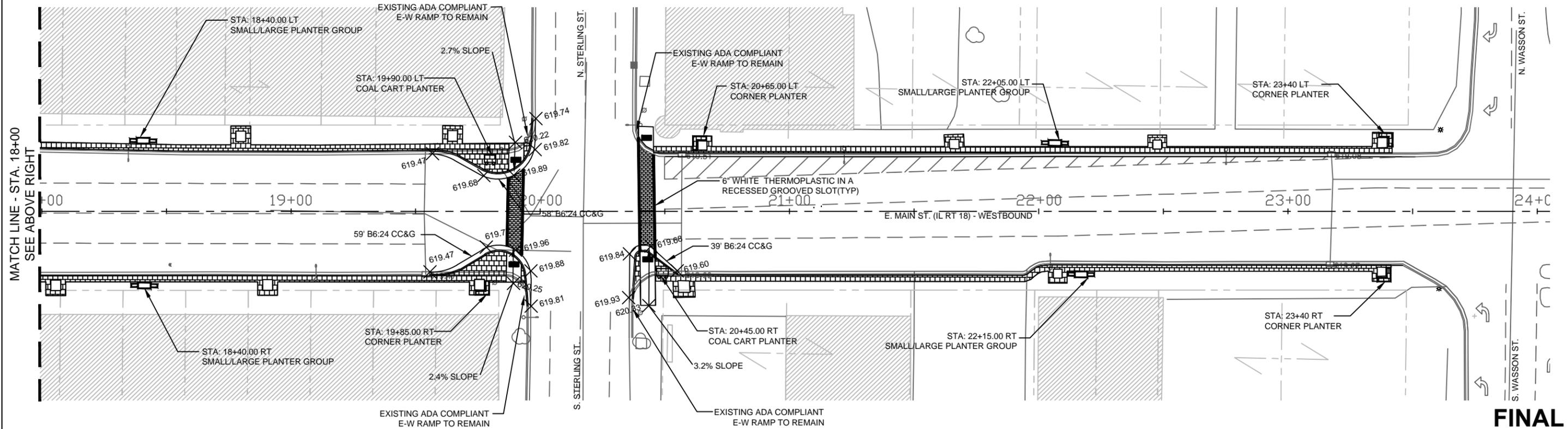
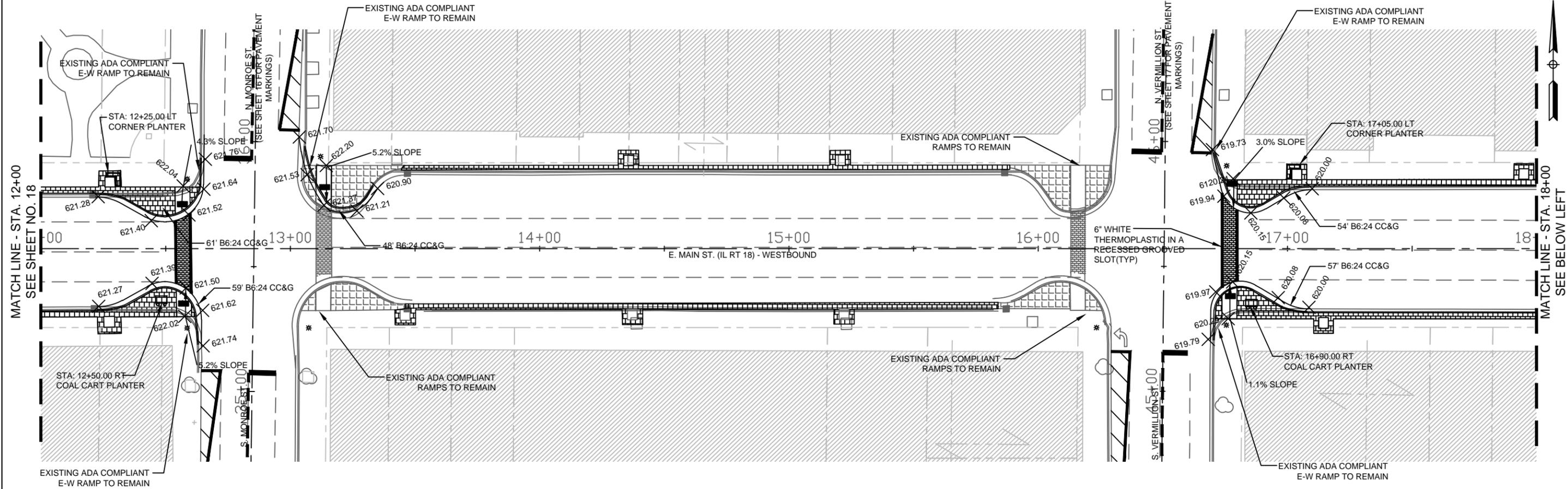
NOTE: ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND SHALL BE APPLIED ACCORDING TO THE "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES" AND ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS

NOTE: ALL EXISTING SIGNS AND BANNERS ON LIGHT POLES SHALL BE REMOVED BY THE CITY OF STREATOR PUBLIC WORKS PRIOR TO THE START OF CONSTRUCTION AND REPLACED FOLLOWING INSTALLATION OF THE NEW POLES.

LEGEND

[Symbol] = COAL CART PLANTER
 [Symbol] = "L" SHAPED CORNER PLANTER

[Symbol] 619.73 = EDGE OF PAVEMENT GRADE



FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT
FILE#S		DRAWN - JCL	REVISED - 3/26/20 - IDOT COMMENT
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

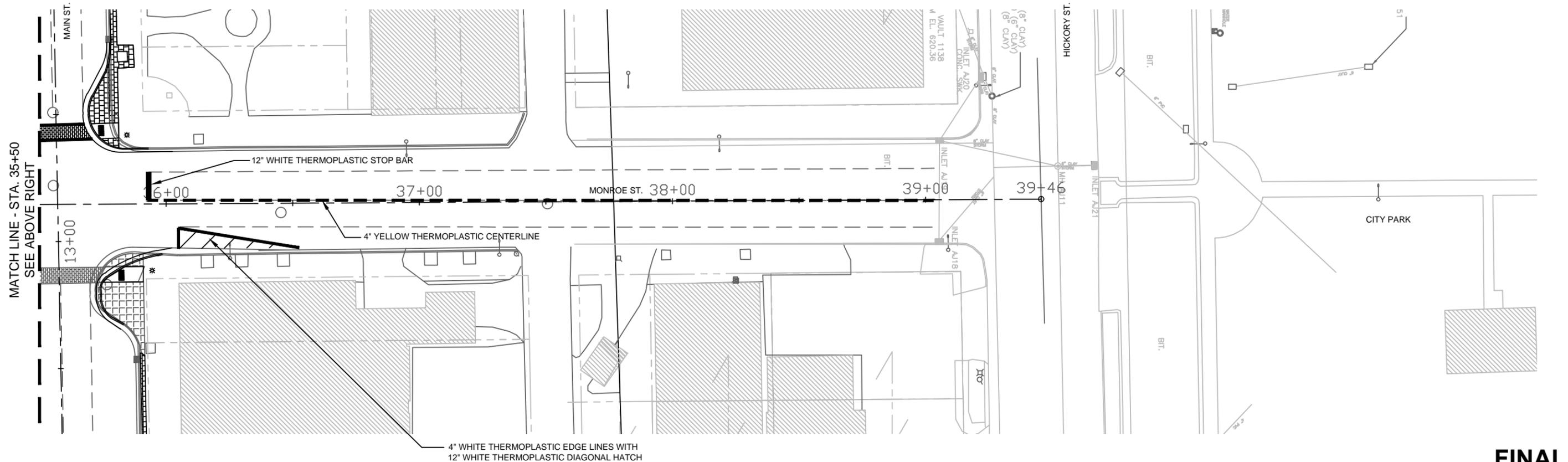
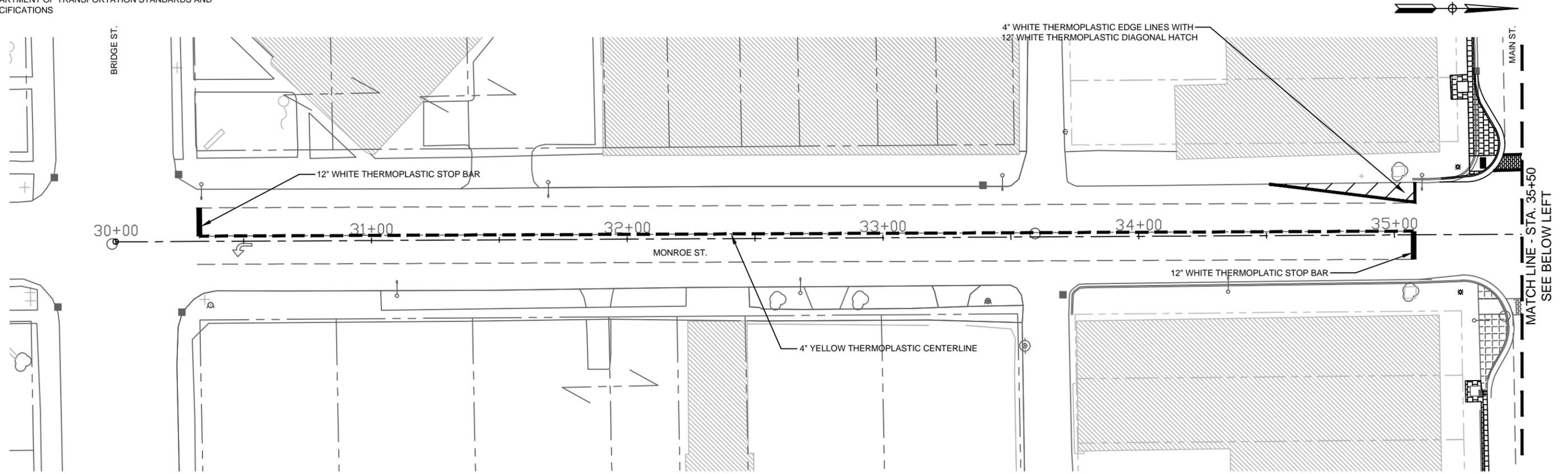
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Landscaping/Pavement Marking Plan
(E. Main St. - 12+00 - 24+00)
SCALE: 1" = 20' SHEET NO. 19 OF 35 SHEETS STA. 12+00 TO STA. 24+00

F.A. FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	19
CONTRACT NO.			87717	
ILLINOIS FED. AID PROJECT				

FINAL

NOTE: ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND SHALL BE APPLIED ACCORDING TO THE "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES" AND ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT
FILELS		DRAWN - JCL	REVISED - 3/26/20 - IDOT COMMENT
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

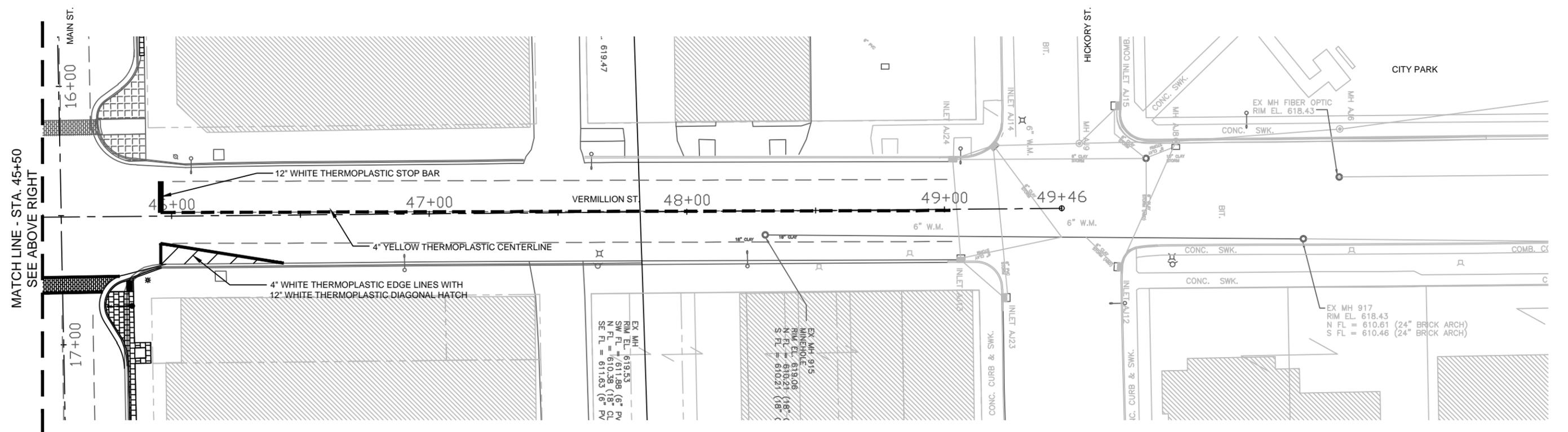
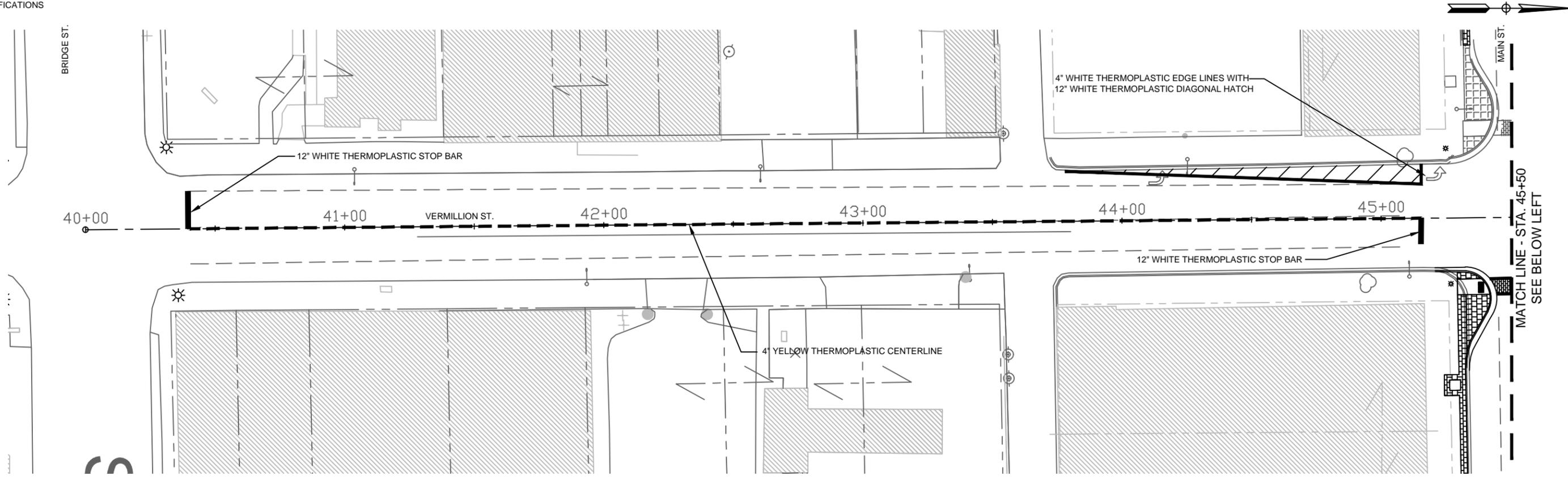
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Landscaping/Pavement Marking Plan
(Monroe St. - 30+25 - 39+04)

SCALE: 1" = 20' SHEET NO. 20 OF 35 SHEETS STA. 30+25 TO STA. 39+04

F.A. FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	20
CONTRACT NO.				87717
ILLINOIS FED. AID PROJECT				

NOTE: ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND SHALL BE APPLIED ACCORDING TO THE "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES" AND ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS



FINAL

FILE NAME =	USER NAME = JEREMY E. PALM	DESIGNED - JEP	REVISED - 7/22/19 - IDOT COMMENT
FILELS		DRAWN - JCL	REVISED - 3/26/20 - IDOT COMMENT
	PLOT SCALE = 0.5	CHECKED - JEP	REVISED -
	PLOT DATE = 4/1/2020	DATE - 11/15/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Landscaping/Pavement Marking Plan
(Vermillion St. - 40+25 - 49+04)
SCALE: 1" = 20' SHEET NO. 21 OF 35 SHEETS STA. 40+25 TO STA. 49+04

F.A. FAF RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0653	18-00100-00-LT	LaSalle	35	21
CONTRACT NO.			87717	
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800/892-0123). CONTACT IDOT FOR HIGHWAY LIGHTING LOCATE.
2. ALL TRAFFIC SIGNAL HEADS SHALL BE 12", UNLESS OTHERWISE NOTED.
3. ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL CONDUIT PUSHED MAY BE GALVANIZED STEEL OR SCHEDULE 80 P.V.C. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
4. A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEM.
5. THE DEPARTMENT OF TRANSPORTATION (815-434-8506) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE TURNING ON OF THE CONTROLLER UNIT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING THE NEW ELECTRICAL LOADS FOR THE UNMETERED SERVICES ON THIS IMPROVEMENT TO THE UTILITY COMPANY AND AGENCY RESPONSIBLE FOR ENERGY CHARGES; CITY OF STREATOR.
7. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FEET MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
8. ALL MAST ARM SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
9. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
10. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES, AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
11. ALL THREADS OF BOLTS USED IN TRAFFIC COMPONENT ASSEMBLIES SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
12. BACK PLATES MUST BE POLYCARBONATE WITH A DEEP BACK FLANGE.
13. THE CONTRACTOR SHALL PROVIDE 3 FEET SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE: MAST ARM, POST, CONTROLLER. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH CABLE.
14. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
15. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL NOT BE ALLOWED.
16. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED; CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
17. ALL EXISTING HANDHOLES WHICH ARE TO BE RE-USED SHALL BE THOROUGHLY CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS, OR FOREIGN MATTER OF ANY KIND AND HAVE NEW AGGREGATE PLACED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. EXISTING GROUND RODS SHALL BE RE-SET TO PROJECT ONLY TEN(10) INCHES OF ROD ABOVE HANDHOLE BASE OR PROVIDED IF NOT PRESENT. THIS WORK SHALL NOT BE PAID FOR SEPERATELY BUT CONSIDERED INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEM.
18. ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 IN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016 AND THE SUPPLEMENTAL SPECIFICATION AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2020.
19. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
20. SIGNAL AND PEDESTRIAN HEADS SHALL HAVE BLACK HOUSING AND BLACK POLYCARBONATE BRACKETS.
21. RELOCATION OF EXISTING TRAFFIC SIGNAGE ONTO PROPOSED TRAFFIC SIGNAL POSTS SHALL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
22. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
23. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.
24. THE USE OF BRACKET EXTENSIONS MAY BE REQUIRED TO ALIGN PEDESTRIAN SIGNAL HEADS WITH CROSSWALKS IN ORDER TO ENSURE PEDESTRIAN VISIBILITY. THE COST OF ANY ADDITIONAL BRACKET EXTENSIONS OR COMPONENTS SHALL BE CONSIDERED INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEM.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
26. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.

MODEL: \\MODELS\NAME FILES

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
	DRAWN - ARR	REVISED - _____
PLOT SCALE = \$SCALES	CHECKED - JKC	REVISED - _____
PLOT DATE = \$DATES	DATE - 1/20	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL GENERAL NOTES
IL 18 /MAIN ST, IL 18 /BRIDGE ST, MONROE ST AND VERMILLION ST

SCALE: _____ SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	22
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES:

MODIFY EXISTING CONTROLLER AND CABINET.

REMOVE EXISTING 3-SECTION BRACKET MOUNTED LED HEAD ON THE SOUTHEAST CORNER TRAFFIC SIGNAL POST.

REMOVE EXISTING TRAFFIC SIGNAL POST AND FOUNDATION ON NORTHEAST CORNER AND REPLACE WITH A MAST ARM AND POLE ON NEW FOUNDATION AS SHOWN. RELOCATE AND INSTALL EXISTING BRACKET MOUNTED PEDESTRIAN LED HEADS ON NEW POST. INSTALL TWO NEW 3-SECTION MAST ARM MOUNTED LED HEADS AS SHOWN.

REMOVE EXISTING MAST ARM FOR SOUTHBOUND TRAFFIC FROM TRAFFIC SIGNAL POST ON SOUTHWEST CORNER AND INSTALL NEW MAST ARM. RELOCATE TWO EXISTING 3-SECTION MAST ARM MOUNTED LED HEADS ON NEW MAST ARM AS SHOWN.

HOLES IN TRAFFIC SIGNAL POST RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE EXISTING STREET NAME SIGN FROM EXISTING MAST ARM FOR WESTBOUND TRAFFIC AND REPLACE WITH NEW SIGN.

REMOVE EXISTING STREET NAME SIGN FROM EXISTING MAST ARM FOR SOUTHBOUND TRAFFIC AND INSTALL NEW SIGN ON NEW MAST ARM.

GROUND EXISTING HANDHOLES.

INSTALL NEW WIRING FOR ALL EXISTING RELOCATED SIGNALS.

ALL PEDESTRIAN SIGNAL HEADS MUST HAVE A CLEAR VISIBLE SIGHT FOR PEDESTRIANS. VERIFY INSTALLATION TO BE IN FRONT OF STOP BAR FOR PEDESTRIAN VISIBILITY.

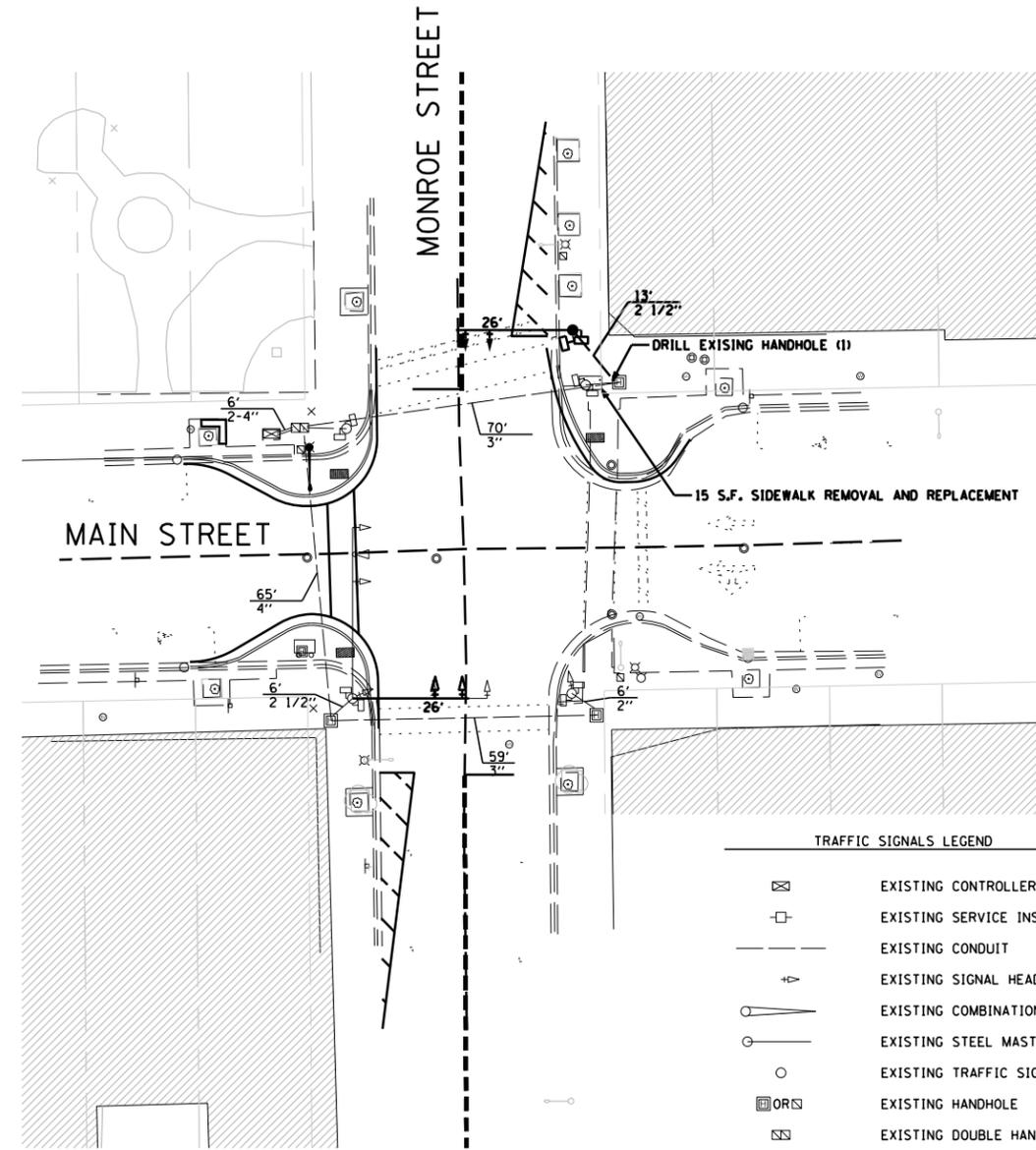
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 2 EACH - TRAFFIC SIGNAL POSTS
 1 EACH - TRAFFIC SIGNAL 3-SECTION HEAD
 1 EACH - MAST ARM

0 20 40 60

SCALE IN FEET



SCHEDULE OF QUANTITIES MAIN STREET AND MONROE STREET			
Item No.	Item	Unit	Total Quantity
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	15
44000800	SIDEWALK REMOVAL	SQ FT	15
72000100	SIGN PANEL - TYPE 1	SQ FT	37.5
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	13
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	261
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	634
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 8 1C	FOOT	284.5
87700170	STEEL MAST ARM AND ASSEMBLY AND POLE, 26 FT.	EACH	1
87800400	CONCRETE FOUNDATION, TYPE E, 30 INCH DIAMETER	FOOT	10
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1
88040390	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	534
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
X0934900	MAST ARM, STEEL, MONOTUBE 26 FT.	EACH	1
X8140102	GROUND EXISTING HANDHOLE	EACH	4
X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1



TRAFFIC SIGNALS LEGEND	
	EXISTING CONTROLLER CABINET
	EXISTING SERVICE INSTALLATION
	EXISTING CONDUIT
	EXISTING SIGNAL HEAD WITH BACKPLATE
	EXISTING COMBINATION STEEL MAST ARM ASSEMBLY
	EXISTING STEEL MAST ARM ASSEMBLY
	EXISTING TRAFFIC SIGNAL POST
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
	EXISTING PEDESTRIAN SIGNAL HEAD
	EXISTING CONDUIT LENGTH AND SIZE PER FIELD LOCATION
	EXISTING RELOCATED SIGNAL HEAD WITH BACKPLATE
	EXISTING RELOCATED PEDESTRIAN SIGNAL HEAD
	EXISTING RELOCATED EMERGENCY VEHICLE LIGHT DETECTOR
	PROPOSED SIGNAL HEAD WITH BACKPLATE
	PROPOSED STEEL MAST ARM ASSEMBLY
	PROPOSED TRAFFIC SIGNAL POST
	PROPOSED CONDUIT LENGTH AND SIZE PER FIELD LOCATION
	PROPOSED (P) PUSHED, (T) TRENCHED, OR (CT) COMMON TRENCH

LEGEND
 SIDEWALK REMOVAL AND REPLACEMENT

MODEL: SH02BELNAMES
 FILE: SH02BELNAMES.DWG

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALES	CHECKED - JKC	REVISED - _____
PLOT DATE = \$DATES	DATE - 1/20	REVISED - _____

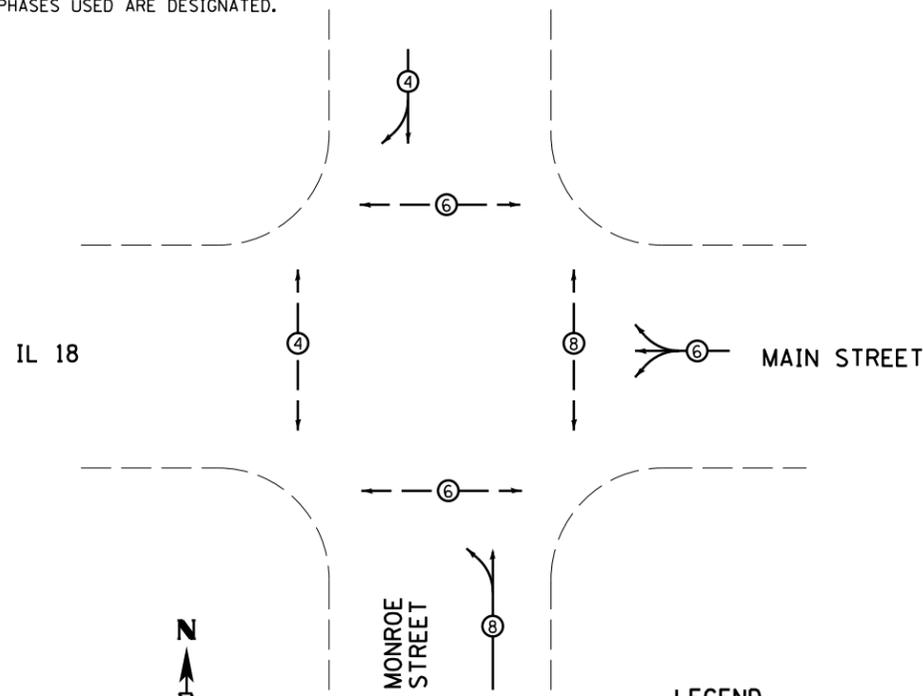
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
 IL 18 / MAIN STREET & MONROE STREET
 SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	23
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				

CONTROLLER SEQUENCE

NAME OF INTERSECTION: IL 18/MAIN STREET AND MONROE STREET
 CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE IV CABINET
 REFERRING TO STANDARD 857001. THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED.

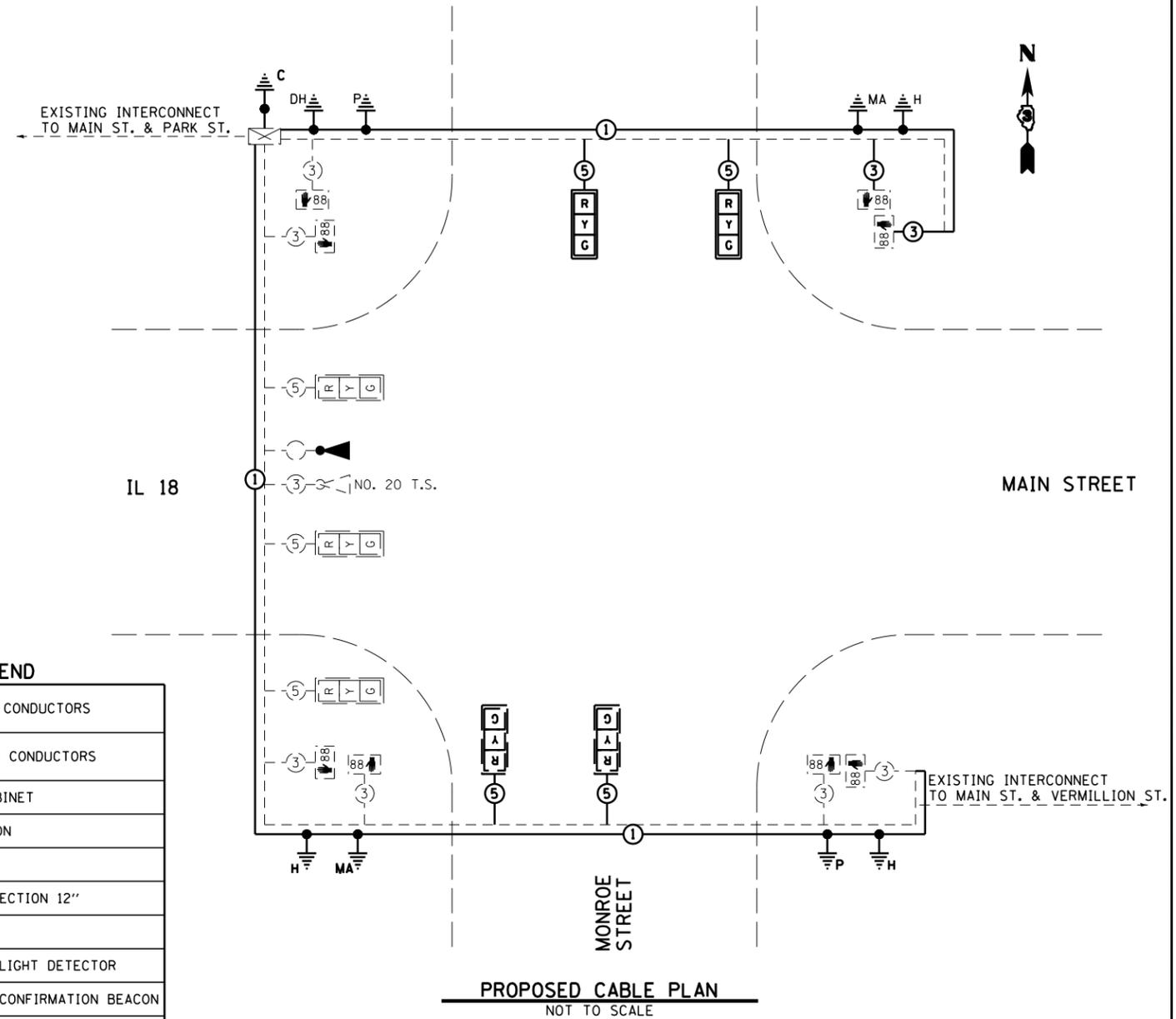


PROPOSED PLAN
NOT TO SCALE

- LEGEND**
- VEHICULAR MOVEMENT
 - PEDESTRIAN MOVEMENT
 - * NUMBER REFERS TO ASSOCIATED PHASE

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SERVICE INSTALLATION
	EXISTING SIGNAL SECTION 12"
	EXISTING RELOCATED SIGNAL SECTION 12"
	PROPOSED SIGNAL SECTION 12"
	EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
	EXISTING EMERGENCY VEHICLE CONFIRMATION BEACON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	EXISTING RELOCATED TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE
	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
	GROUND ROD AT POST (P) OR MAST ARM (MA) OR CONTROLLER (C) OR SERVICE INSTALLATION (S) OR DOUBLE HANDHOLE (DH) OR HANDHOLE (H)



PROPOSED CABLE PLAN
NOT TO SCALE

MODEL: \\MODELS\FILES
FILE NAME: ST115

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
	DRAWN - ARR	REVISED - _____
PLOT SCALE = \$SCALES	CHECKED - JKC	REVISED - _____
PLOT DATE = \$DATES	DATE - 1/20	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL CABLE PLAN
IL 18 /MAIN STREET & MONROE STREET

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

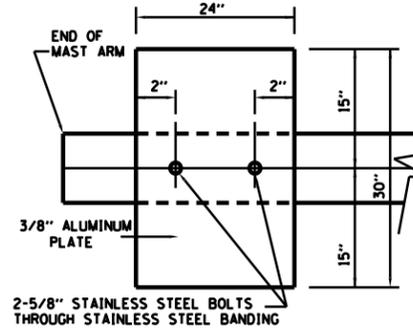
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87717	

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
MAIN STREET (IL 18)	RED	3	10	42
	YELLOW	3	19	5
	GREEN	3	14	53
		4	7	100
		4	5	53
VERMILLION STREET	RED	4	10	68
	YELLOW	4	19	5
	GREEN	4	14	27
		4	7	100
		4	5	27
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100
	EMERGENCY VEHICLE PREEMPT	1	--	--

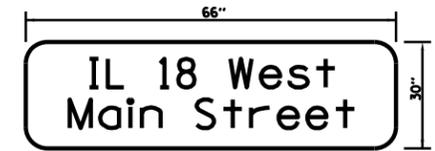
AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF STREATOR

NOTE:

DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.

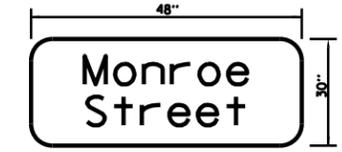


NOTE:
MOUNT DAMPENING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.
DAMPENING PLATE DETAIL - TOP VIEW
(2 REQUIRED)



TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
2 SIGNS REQUIRED = 13.75 SQ. FT. EACH
= 27.50 SQ. FT. TOTAL

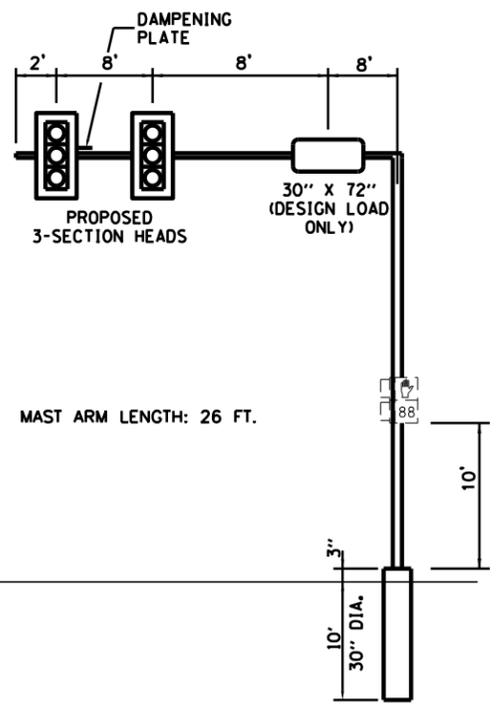
THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH MAIN STREET



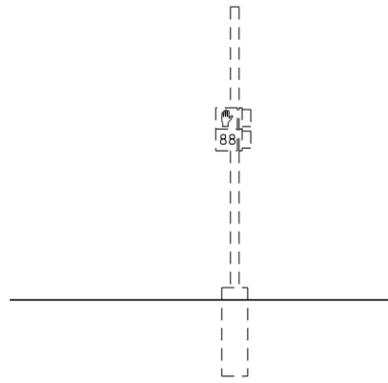
TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
1 SIGNS REQUIRED = 10.00 SQ. FT. EACH
= 10.00 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH MONROE STREET

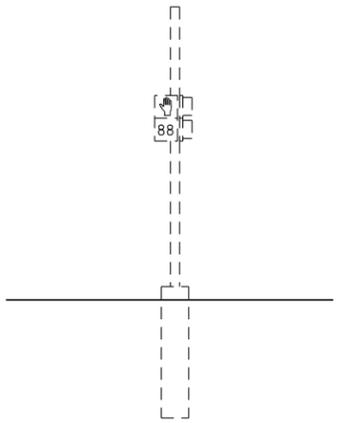
NOTE: ALL SIGNAL HEADS HAVE BACKPLATES



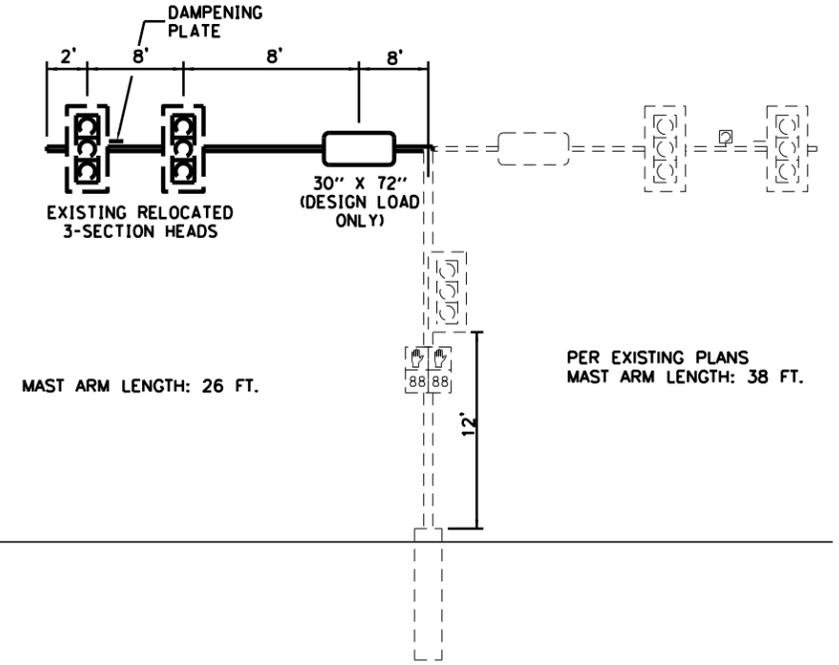
NORTHBOUND
NORTHEAST CORNER
NOT TO SCALE



SOUTHBOUND
SOUTHEAST CORNER
NOT TO SCALE



NORTHBOUND
NORTHWEST CORNER
NOT TO SCALE



SOUTHBOUND
SOUTHWEST CORNER
NOT TO SCALE

PER EXISTING PLANS
MAST ARM LENGTH: 38 FT.

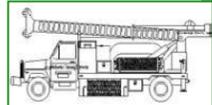
MODEL: 140DELINAMES
FILE: 140DELINAMES.DWG

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALES	DRAWN - ARR	REVISED - _____
PLOT DATE = \$DATES	CHECKED - JKC	REVISED - _____
	DATE - 1/20	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS	
IL 18 / MAIN STREET & MONROE STREET	
SCALE: _____	SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	25
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

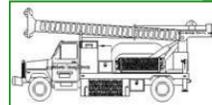
Client: City of Streator
Project Name: Traffic Signal Foundations
Project Site: Streator, Illinois

Boring No. B-3
Surface Elev. 0.00
Auger Depth 26' Rotary Depth NA
Start Date 02/21/19 Finish Date 02/21/19

Location: Northwest Corner Of Main And Monroe Streets

(DEPTH) *ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
0.00	Bricks Over Sand		1							Jeff A. Safranski Diedrich D-120	
-1.00	Black And Brown Clay (Fill)		2								
-2.00			3	1	SS	---	13	---	---		
-3.00			4								
-4.00	Stiff Brownish Black Clay		5								
-5.00			6	2	SS	1.4	9	B	20		
-6.00			7								
-7.00			8	3	SS	2.1	13	B	18		
-8.00			9								
-9.00	Very Stiff Brownish Gray Clay		10								
-10.00			11	4	SS	2.6	15	B	18		
-11.00			12								
-12.00			13	5	SS	2.0	12	B	16		
-13.00			14								
-14.00			15								
-15.00			16	6	SS	---	16	---	18		
-16.00	Medium Gray Silt		17								
-17.00			18	7	SS	---	14	---	16		
-18.00			19								
-19.00			20	8	SS	---	15	---	16		

Groundwater Data: Seepage encountered at 15' depth.
Comments: Static water level after auger removal 12' depth.



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: City of Streator
Project Name: Traffic Signal Foundations
Project Site: Streator, Illinois

Boring No. B-3
Surface Elev. 0.00
Auger Depth 26' Rotary Depth NA
Start Date 02/21/19 Finish Date 02/21/19

Location: Northwest Corner Of Main And Monroe Streets

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
-21.00			22							Jeff A. Safranski Diedrich D-120	
-22.00			23	9	SS	---	16	---	16		
-23.00	Medium Gray Silt		24								
-24.00			25								
-25.00			26	10	SS	---	17	---	17		
-26.00	Boring Terminated		27								
-27.00			28								
-28.00			29								
-29.00			30								
-30.00			31								
-31.00			32								
-32.00			33								
-33.00			34								
-34.00			35								
-35.00			36								
-36.00			37								
-37.00			38								
-38.00			39								
-39.00			40								
-40.00			41								
-41.00											

Groundwater Data: Seepage encountered at 15' depth.
Comments: Static water level after auger removal 12' depth.

MODEL: 1400BELNAMES
FILE NAME: 37115

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALE\$	DRAWN - ARR	REVISED - _____
PLOT DATE = \$DATES	CHECKED - JKC	REVISED - _____
	DATE - 1/20	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL SOIL BORING	
IL 18 /MAIN STREET & MONROE STREET	
SCALE: _____	SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	26
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES:

MODIFY EXISTING CONTROLLER AND CABINET.

REMOVE EXISTING 3-SECTION BRACKET MOUNTED LED HEAD FROM EXISTING TRAFFIC SIGNAL POST ON THE NORTHWEST CORNER

REMOVE EXISTING MAST ARM AND INSTALL NEW MAST ARM ON EXISTING TRAFFIC SIGNAL POST ON NORTHEAST CORNER. RELOCATE TWO EXISTING 3-SECTION MAST MOUNTED LED HEADS ON THE NEW MAST ARM AS SHOWN.

REMOVE EXISTING MAST ARM, TRAFFIC SIGNAL POST AND FOUNDATION ON THE SOUTHWEST CORNER. INSTALL DUAL MAST ARM, POST AND FOUNDATION AS SHOWN. RELOCATE TWO EXISTING 3-SECTION MAST ARM MOUNTED LED HEADS, EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, ONE EXISTING 3-SECTION BRACKET MOUNTED LED HEAD AND TWO PEDESTRIAN SIGNAL HEADS ON TO NEW DUAL MAST ARM AND POLE AS SHOWN. INSTALL TWO NEW 3-SECTION MAST ARM MOUNTED LED HEADS AS SHOWN.

HOLES IN TRAFFIC SIGNAL POST RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE EXISTING STREET NAME SIGN FROM EXISTING MAST ARM FOR WESTBOUND TRAFFIC AND REPLACE WITH NEW SIGN.

REMOVE EXISTING STREET NAME SIGN FROM EXISTING MAST ARM FOR NORTHBOUND TRAFFIC AND INSTALL NEW SIGN ON NEW MAST ARM.

GROUND EXISTING HANDHOLES.

INSTALL NEW WIRING FOR ALL EXISTING RELOCATED SIGNALS.

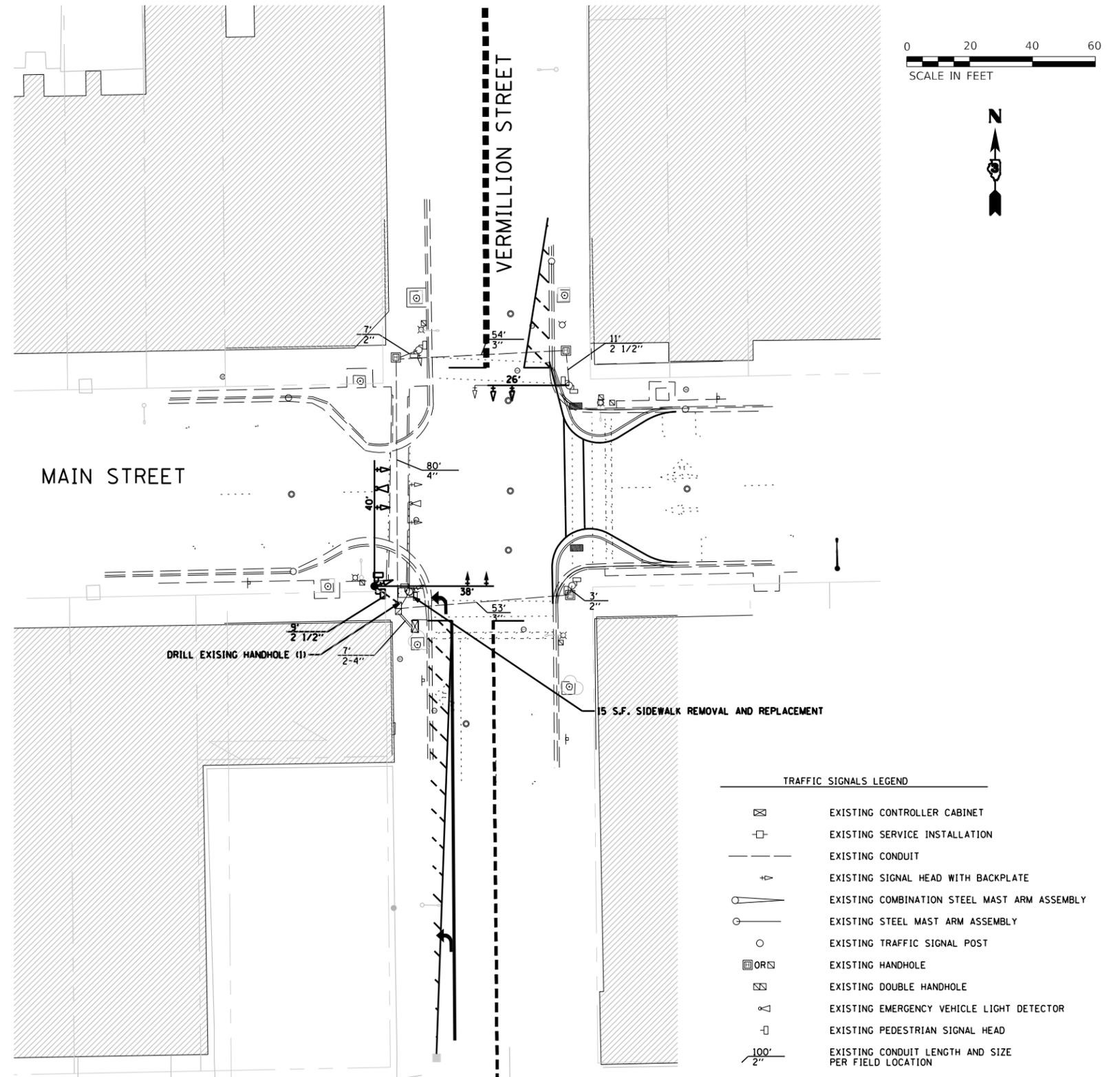
ALL PEDESTRIAN SIGNAL HEADS MUST HAVE A CLEAR VISIBLE SIGHT FOR PEDESTRIANS. VERIFY INSTALLATION TO BE IN FRONT OF STOP BAR FOR PEDESTRIAN VISIBILITY.

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 1 EACH - MAST ARM
- 1 EACH - MAST ARM AND POLE
- 1 EACH - TRAFFIC SIGNAL 3-SECTION HEAD

SCHEDULE OF QUANTITIES MAIN STREET AND VERMILLION STREET

Item No.	Item	Unit	Total Quantity
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	15
44000600	SIDEWALK REMOVAL	SQ FT	15
72000100	SIGN PANEL - TYPE 1	SQ FT	40
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	9
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	102
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	908
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	271.5
87702596	STEEL MAST ARM AND POLE WITH DUAL MAST ARMS, 38 FT. AND 40 FT.	EACH	1
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	14
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	5
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
89501420	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	882
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	96
X0934900	MAST ARM, STEEL, MONOTUBE 26 FT.	EACH	1
X8140102	GROUND EXISTING HANDHOLE	EACH	4
X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1



TRAFFIC SIGNALS LEGEND

	EXISTING CONTROLLER CABINET
	EXISTING SERVICE INSTALLATION
	EXISTING CONDUIT
	EXISTING SIGNAL HEAD WITH BACKPLATE
	EXISTING COMBINATION STEEL MAST ARM ASSEMBLY
	EXISTING STEEL MAST ARM ASSEMBLY
	EXISTING TRAFFIC SIGNAL POST
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
	EXISTING PEDESTRIAN SIGNAL HEAD
	EXISTING CONDUIT LENGTH AND SIZE PER FIELD LOCATION
	EXISTING RELOCATED SIGNAL HEAD WITH BACKPLATE
	EXISTING RELOCATED PEDESTRIAN SIGNAL HEAD
	EXISTING RELOCATED EMERGENCY VEHICLE LIGHT DETECTOR
	PROPOSED SIGNAL HEAD WITH BACKPLATE
	PROPOSED STEEL MAST ARM ASSEMBLY
	PROPOSED TRAFFIC SIGNAL POST
	PROPOSED CONDUIT LENGTH AND SIZE PER FIELD LOCATION
	PROPOSED (T) TRENCHED, OR (CT) COMMON TRENCH

LEGEND
 SIDEWALK REMOVAL AND REPLACEMENT

MODEL: SH02ELNAMES
FILE: SH02L STYLES

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALES	DRAWN - ARR	REVISED - _____
PLOT DATE = \$DATES	CHECKED - JKC	REVISED - _____
	DATE - 1/20	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

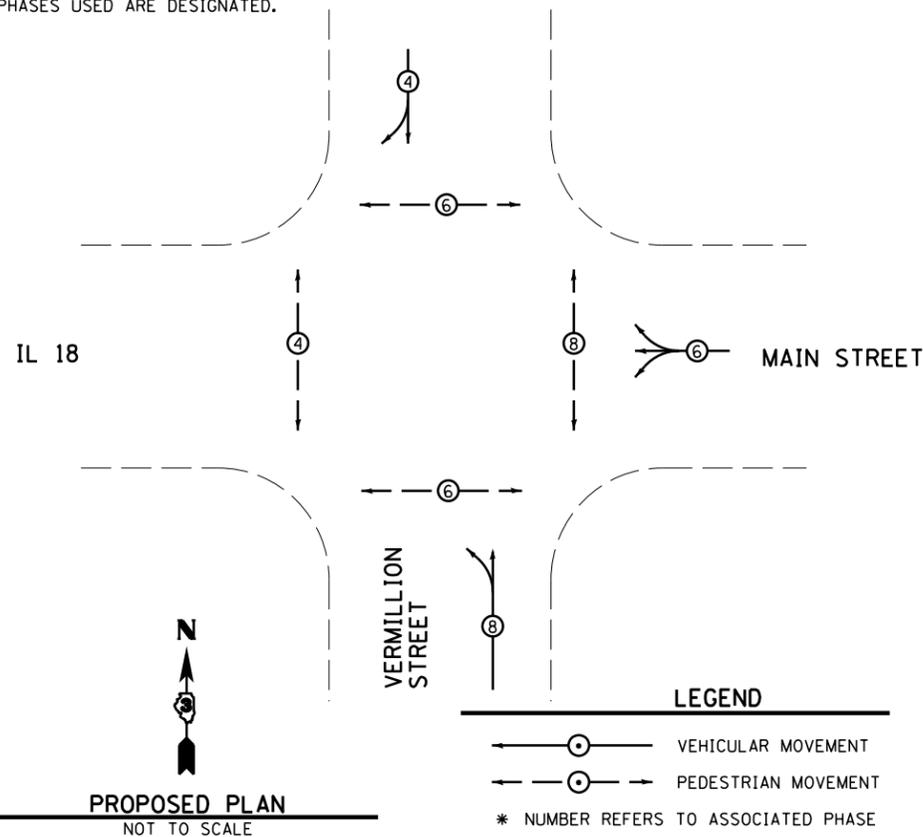
**TRAFFIC SIGNAL PLAN
IL 18 / MAIN STREET & VERMILLION STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	27
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				

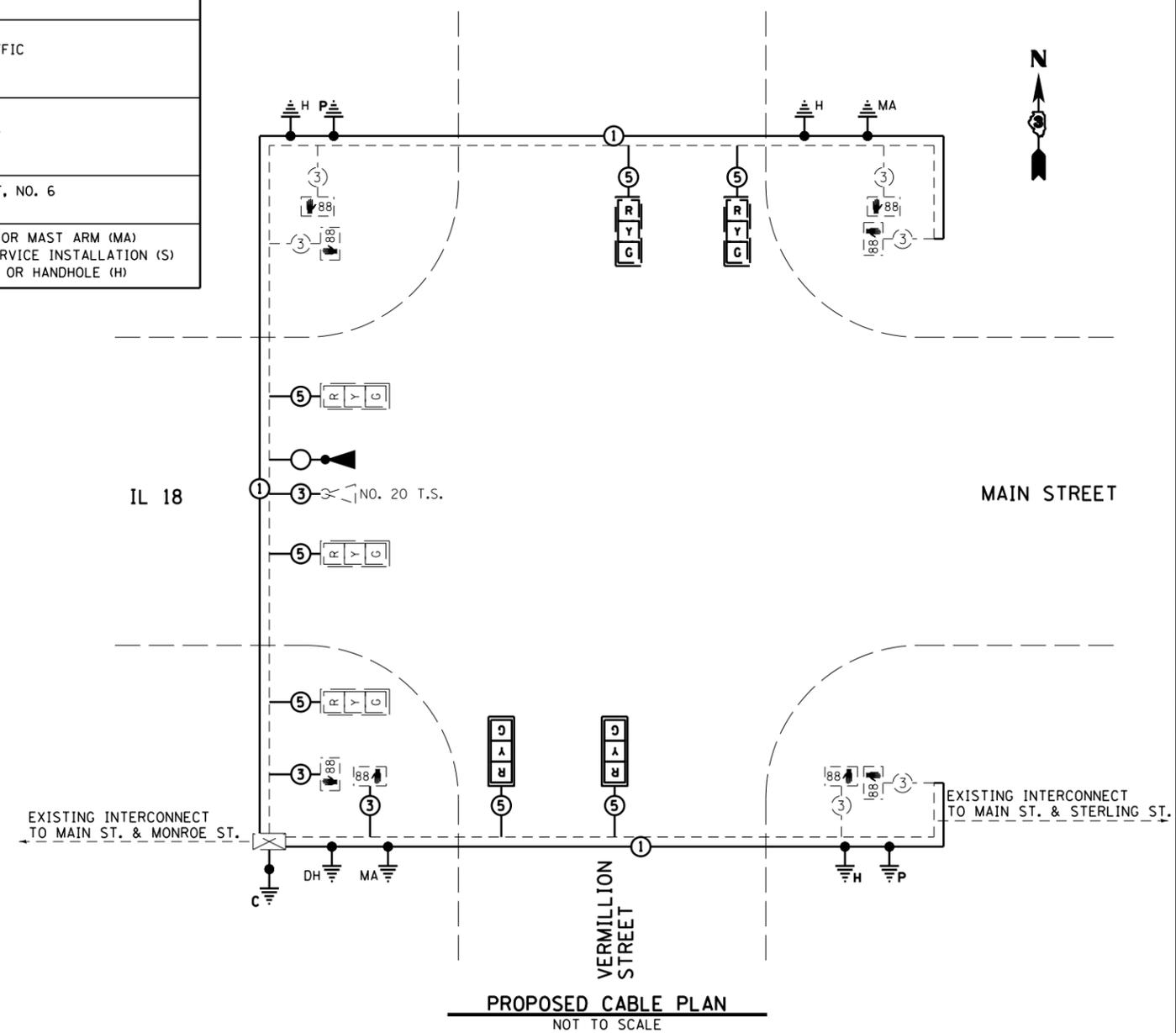
CONTROLLER SEQUENCE

NAME OF INTERSECTION: IL 18/MAIN STREET AND MONROE STREET
 CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE IV CABINET
 REFERRING TO STANDARD 857001. THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED.



TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SERVICE INSTALLATION
	EXISTING SIGNAL SECTION 12"
	EXISTING RELOCATED SIGNAL SECTION 12"
	PROPOSED SIGNAL SECTION 12"
	EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
	EXISTING EMERGENCY VEHICLE CONFIRMATION BEACON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	EXISTING RELOCATED TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE
	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
	GROUND ROD AT POST (P) OR MAST ARM (MA) OR CONTROLLER (C) OR SERVICE INSTALLATION (S) OR DOUBLE HANDHOLE (DH) OR HANDHOLE (H)



MODEL: \$MODELNAME\$
 FILE NAME: \$FILE\$

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
	DRAWN - ARR	REVISED - _____
PLOT SCALE = \$SCALE\$	CHECKED - JKC	REVISED - _____
PLOT DATE = \$DATE\$	DATE - 1/20	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
IL 18 /MAIN STREET & VERMILLION STREET

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

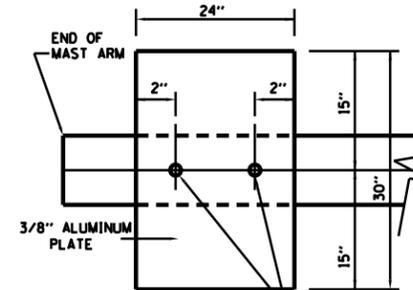
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	28
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
MAIN STREET (IL 18)	RED	3	10	42
	YELLOW	3	19	5
	GREEN	3	14	53
		4	7	100
		4	5	53
VERMILLION STREET	RED	4	10	68
	YELLOW	4	19	5
	GREEN	4	14	27
		4	7	100
		4	5	27
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100
	EMERGENCY VEHICLE PREEMPT	1	--	--

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF STREATOR

NOTE:

DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



3/8" ALUMINUM PLATE
2-5/8" STAINLESS STEEL BOLTS THROUGH STAINLESS STEEL BANDING
NOTE:
MOUNT DAMPENING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.

DAMPENING PLATE DETAIL - TOP VIEW
(2 REQUIRED)



TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
2 SIGNS REQUIRED = 13.75 SQ. FT. EACH
= 27.50 SQ. FT. TOTAL

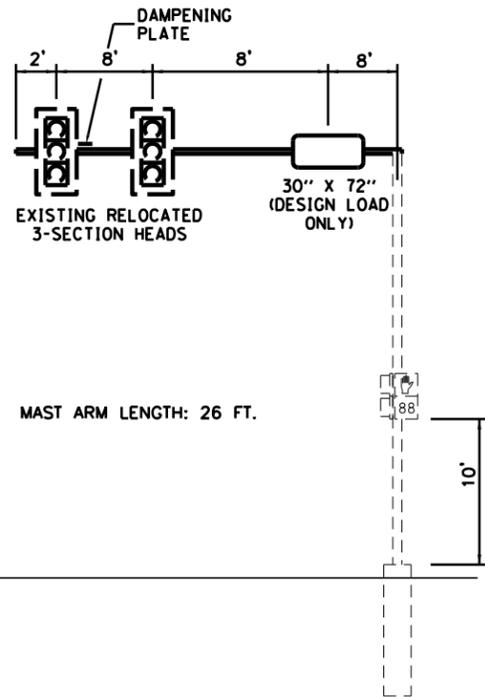
THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH MAIN STREET



TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
1 SIGNS REQUIRED = 12.50 SQ. FT. EACH
= 12.50 SQ. FT. TOTAL

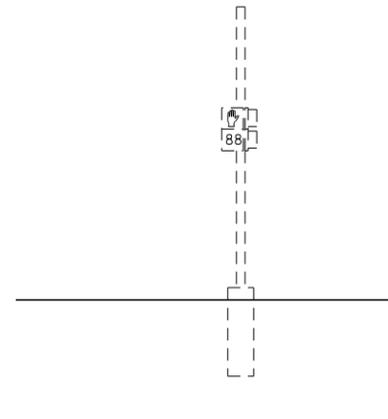
THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH VERMILLION STREET

NOTE: ALL SIGNAL HEADS HAVE BACKPLATES



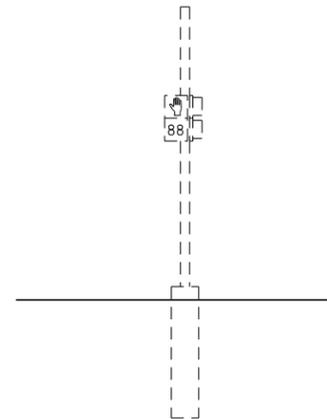
NORTHBOUND

NORTHEAST CORNER
NOT TO SCALE



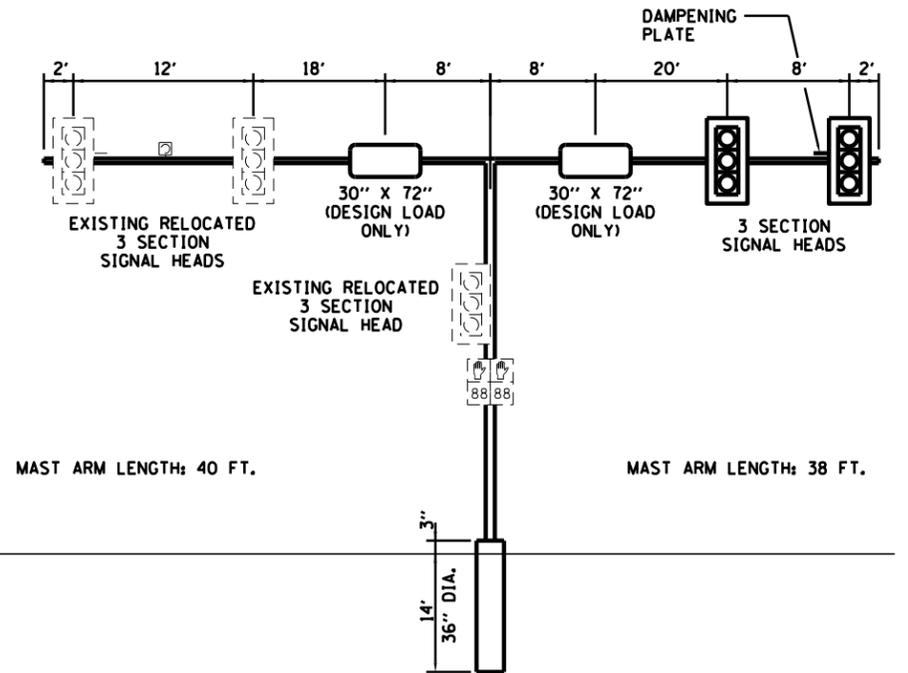
SOUTHBOUND

SOUTHEAST CORNER
NOT TO SCALE



NORTHBOUND

NORTHWEST CORNER
NOT TO SCALE



MAST ARM LENGTH: 40 FT.

WESTBOUND

SOUTHWEST CORNER
NOT TO SCALE

MAST ARM LENGTH: 38 FT.

SOUTHBOUND

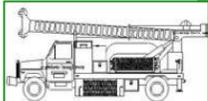
MODEL: 440DELNAMRES
FILE NUMBER: 8717

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALES	DRAWN - ARR	REVISED - _____
PLOT DATE = \$DATES	CHECKED - JKC	REVISED - _____
	DATE - 1/20	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS	
IL 18 /MAIN STREET & VERMILLION STREET	
SCALE: _____	SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	29
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

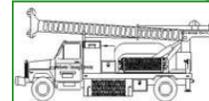
Client: City of Streator
Project Name: Traffic Signal Foundations
Project Site: Streator, Illinois

Boring No. B-2
Surface Elev. 0.00
Auger Depth 26' Rotary Depth NA
Start Date 02/21/19 Finish Date 02/21/19

Location: Southwest Corner of Vermillion and Main Streets

(DEPTH) *ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
0.00	9" of Concrete Over Stone		1							Jeff A. Safranski Diedrich D-120	
-1.00	Stiff Black And Brown Clay (Fill)		2								
-2.00			3	1	SS	1.3	8	S	18		
-3.00	Stiff Black Silty Clay		4								
-4.00			5	2	SS	1.2	6	B	28		
-5.00	Stiff Brownish Gray Clay Till		6								
-6.00			7								
-7.00			8	3	SS	1.5	8	B	25		
-8.00	Medium Gray Silt		9								
-9.00			10	4	SS	1.2	7	B	21		
-10.00	Very Stiff Gray Clay Till		11								
-11.00			12								
-12.00			13	5	SS	---	14	---	21		
-13.00			14								
-14.00			15	6	SS	---	12	---	20		
-15.00			16								
-16.00			17								
-17.00			18	7	SS	2.3	13	B	14		
-18.00			19								
-19.00			20	8	SS	2.1	12	B	14		
-20.00											

Groundwater Data: Seepage encountered at 12' depth.
Comments: Static water level after auger removal 12' depth.



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: City of Streator
Project Name: Traffic Signal Foundations
Project Site: Streator, Illinois

Boring No. B-2
Surface Elev. 0.00
Auger Depth 26' Rotary Depth NA
Start Date 02/21/19 Finish Date 02/21/19

Location: Southwest Corner of Vermillion and Main Streets

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
-21.00	Very Stiff Gray Clay Till		22							Jeff A. Safranski Diedrich D-120	
-22.00			23	9	SS	2.6	13	S	12		
-23.00	Boring Terminated		24								
-24.00			25								
-25.00			26	10	SS	2.8	18	S	12		
-26.00			27								
-27.00			28								
-28.00			29								
-29.00			30								
-30.00			31								
-31.00			32								
-32.00			33								
-33.00			34								
-34.00			35								
-35.00			36								
-36.00			37								
-37.00			38								
-38.00			39								
-39.00			40								
-40.00			41								
-41.00											

Groundwater Data: Seepage encountered at 12' depth.
Comments: Static water level after auger removal 12' depth.

MODEL: \\MODELS\NAME FILES

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALES	DRAWN - ARR	REVISED - _____
PLOT DATE = \$DATES	CHECKED - JKC	REVISED - _____
	DATE - 1/20	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SOIL BORING	
IL 18 /MAIN STREET & VERMILLION STREET	
SCALE: _____	SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	30
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES:

MODIFY EXISTING CONTROLLER AND CABINET.

REMOVE EXISTING 3-SECTION BRACKET MOUNTED LED HEAD ON THE NORTHWEST CORNER TRAFFIC SIGNAL POST.

REMOVE EXISTING TRAFFIC SIGNAL POST AND FOUNDATION ON SOUTHWEST CORNER AND REPLACE WITH A MAST ARM AND POLE ON NEW FOUNDATION AS SHOWN. RELOCATE AND INSTALL EXISTING BRACKET MOUNTED PEDESTRIAN LED HEADS ON NEW POST AS SHOWN. INSTALL TWO NEW 3-SECTION MAST ARM MOUNTED LED HEADS AS SHOWN.

REMOVE EXISTING MAST ARM FOR NORTHBOUND TRAFFIC FROM TRAFFIC SIGNAL POST ON NORTHEAST CORNER AND INSTALL NEW MAST ARM. RELOCATE TWO EXISTING 3-SECTION MAST ARM MOUNTED LED HEADS ON NEW MAST ARM AS SHOWN.

HOLES IN TRAFFIC SIGNAL POST RESULTING FROM REMOVAL OF SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

REMOVE EXISTING STREET NAME SIGN FROM EXISTING MAST ARM FOR EASTBOUND TRAFFIC AND REPLACE WITH NEW SIGN.

REMOVE EXISTING STREET NAME SIGN FROM EXISTING MAST ARM FOR NORTHBOUND TRAFFIC AND INSTALL NEW SIGN ON NEW MAST ARM.

GROUND EXISTING HANDHOLES.

INSTALL NEW WIRING FOR ALL EXISTING RELOCATED SIGNALS.

ALL PEDESTRIAN SIGNAL HEADS MUST HAVE A CLEAR VISIBLE SIGHT FOR PEDESTRIANS. VERIFY INSTALLATION TO BE IN FRONT OF STOP BAR FOR PEDESTRIAN VISIBILITY.

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

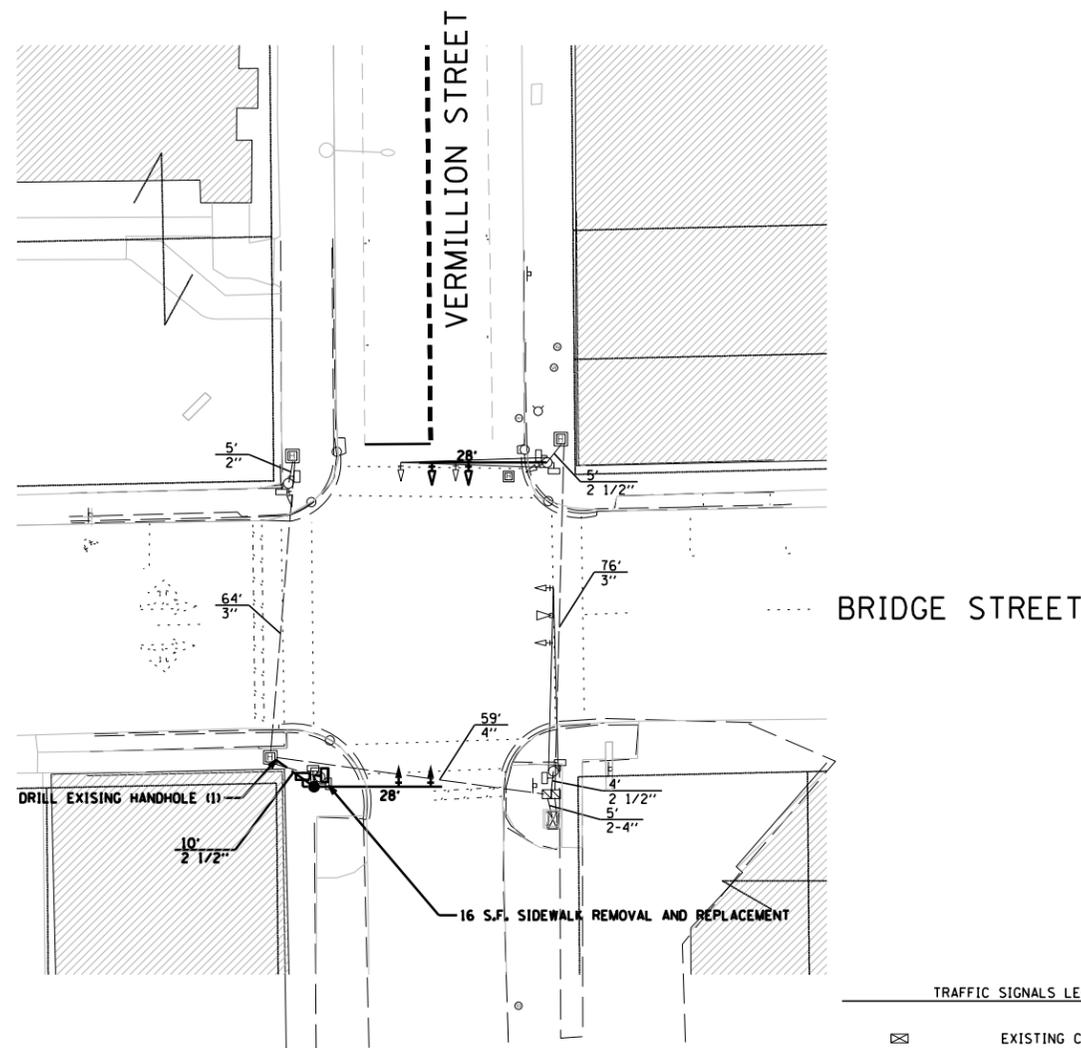
- 1 EACH - TRAFFIC SIGNAL POST
- 1 EACH - TRAFFIC SIGNAL 3-SECTION HEAD
- 1 EACH - MAST ARM

SCHEDULE OF QUANTITIES BRIDGE STREET AND VERMILLION STREET

Item No.	Item	Unit	Total Quantity
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	16
44000600	SIDEWALK REMOVAL	SQ FT	16
72000100	SIGN PANEL - TYPE 1	SQ FT	42.5
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	10
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	231
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	630
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	278.5
87700180	STEEL MAST ARM AND ASSEMBLY AND POLE, 28 FT.	EACH	1
87800400	CONCRETE FOUNDATION, TYPE E, 30 INCH DIAMETER	FOOT	10
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	417
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
X8140102	GROUND EXISTING HANDHOLE	EACH	4
X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
	MAST ARM, STEEL, MONOTUBE 28 FT.	EACH	1

0 20 40 60

SCALE IN FEET



TRAFFIC SIGNALS LEGEND

	EXISTING CONTROLLER CABINET
	EXISTING SERVICE INSTALLATION
	EXISTING CONDUIT
	EXISTING SIGNAL HEAD WITH BACKPLATE
	EXISTING COMBINATION STEEL MAST ARM ASSEMBLY
	EXISTING STEEL MAST ARM ASSEMBLY
	EXISTING TRAFFIC SIGNAL POST
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
	EXISTING PEDESTRIAN SIGNAL HEAD
	EXISTING CONDUIT LENGTH AND SIZE PER FIELD LOCATION
	EXISTING RELOCATED SIGNAL HEAD WITH BACKPLATE
	EXISTING RELOCATED PEDESTRIAN SIGNAL HEAD
	EXISTING RELOCATED EMERGENCY VEHICLE LIGHT DETECTOR
	PROPOSED SIGNAL HEAD WITH BACKPLATE
	PROPOSED STEEL MAST ARM ASSEMBLY
	PROPOSED TRAFFIC SIGNAL POST
	PROPOSED CONDUIT LENGTH AND SIZE PER FIELD LOCATION

LEGEND

	SIDEWALK REMOVAL AND REPLACEMENT
--	----------------------------------

MODEL: SH02BELNAMES
FILE: SH02BELNAMES.DWG

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALES	CHECKED - JKC	REVISED - _____
PLOT DATE = \$DATES	DATE - 1/20	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

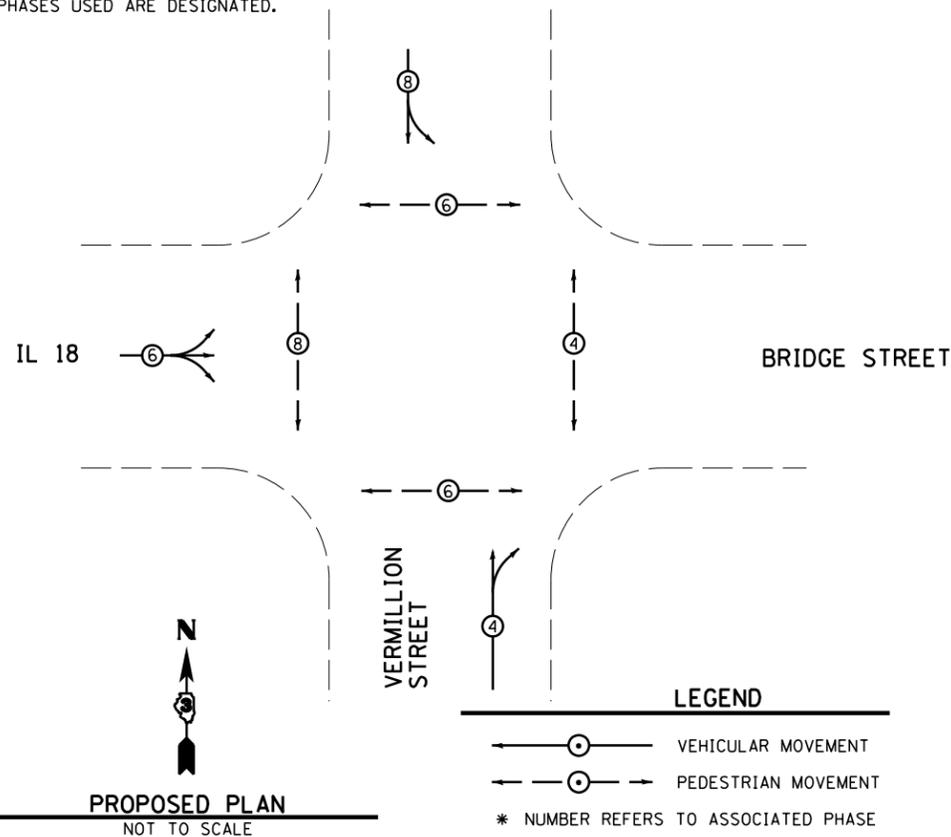
**TRAFFIC SIGNAL PLAN
IL 18 / BRIDGE STREET & VERMILLION STREET**

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	31
CONTRACT NO. 87717				
		ILLINOIS	FED. AID PROJECT	

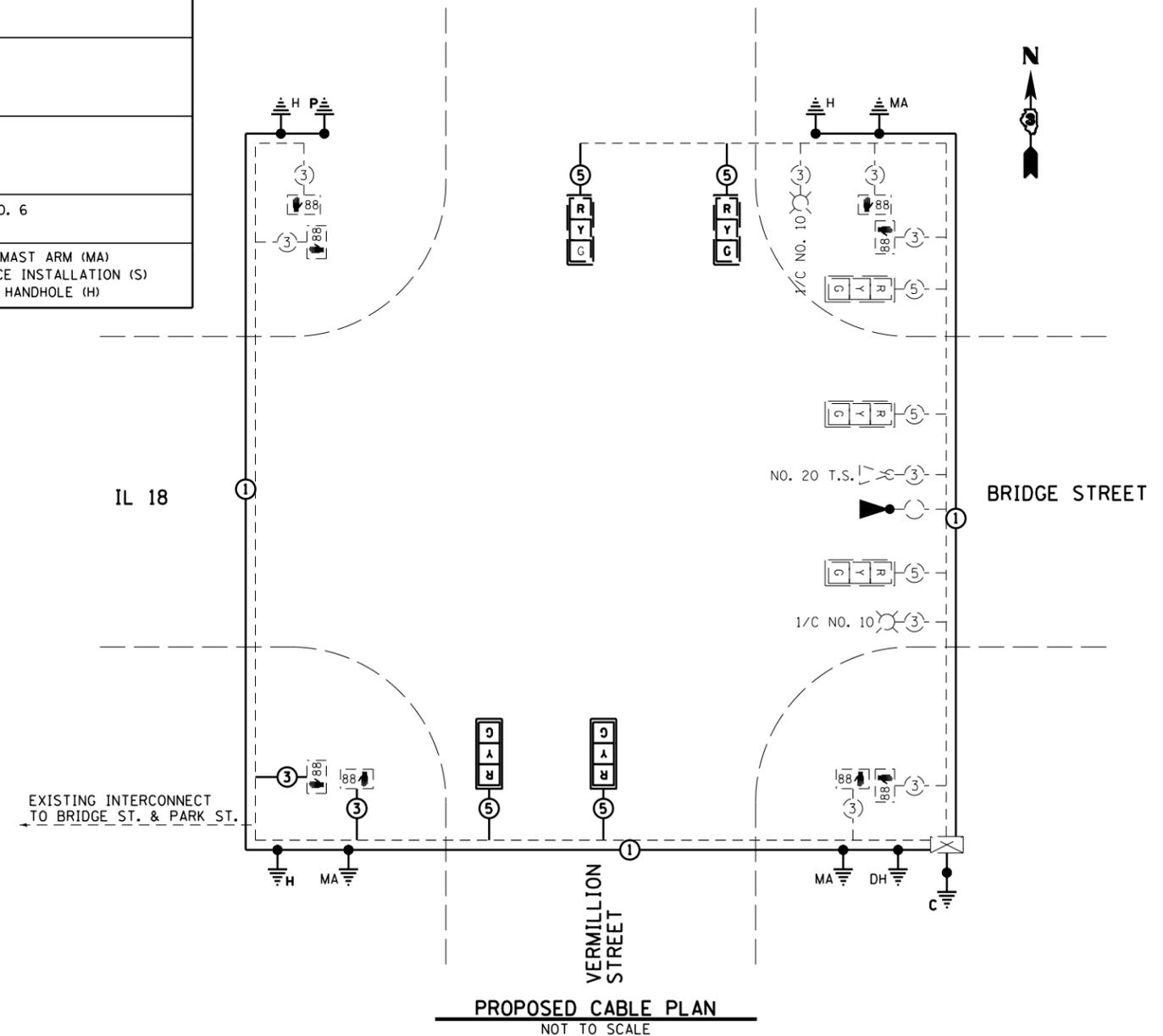
CONTROLLER SEQUENCE

NAME OF INTERSECTION: IL 18/MAIN STREET AND MONROE STREET
 CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE IV CABINET
 REFERRING TO STANDARD 857001. THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED.



TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	DENOTES NUMBER OF PROPOSED CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	EXISTING SERVICE INSTALLATION
	EXISTING SIGNAL SECTION 12"
	EXISTING RELOCATED SIGNAL SECTION 12"
	PROPOSED SIGNAL SECTION 12"
	EXISTING LUMINAIRE SODIUM VAPOR HORIZONTAL MOUNT
	EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
	EXISTING EMERGENCY VEHICLE CONFIRMATION BEACON
	EXISTING WALK/DON'T WALK WITH COUNT DOWN TIMER
	EXISTING TRAFFIC SIGNAL BACKPLATE
	EXISTING RELOCATED TRAFFIC SIGNAL BACKPLATE
	PROPOSED TRAFFIC SIGNAL BACKPLATE
	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
	GROUND ROD AT POST (P) OR MAST ARM (MA) OR CONTROLLER (C) OR SERVICE INSTALLATION (S) OR DOUBLE HANDHOLE (DH) OR HANDHOLE (H)



MODEL: \$MODELNAME\$
FILE: \$NAME\$. \$EXT\$

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALE\$	DRAWN - ARR	REVISED - _____
PLOT DATE = \$DATE\$	CHECKED - JKC	REVISED - _____
	DATE - 1/20	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
IL 18 / BRIDGE STREET & VERMILLION STREET

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

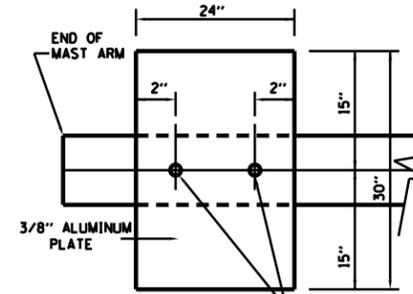
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	32
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
BRIDGE STREET (IL 18)	RED	3	10	42
	YELLOW	3	19	5
	GREEN	3	14	53
		4	7	100
		4	5	53
VERMILLION STREET	RED	4	10	68
	YELLOW	4	19	5
	GREEN	4	14	27
		4	7	100
		4	5	27
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100
	EMERGENCY VEHICLE PREEMPT	1	--	--

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF STREATOR

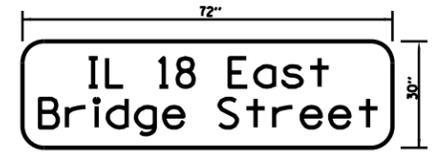
NOTE:

DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



2-5/8" STAINLESS STEEL BOLTS THROUGH STAINLESS STEEL BANDING
NOTE: MOUNT DAMPENING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.

**DAMPENING PLATE DETAIL - TOP VIEW
(2 REQUIRED)**



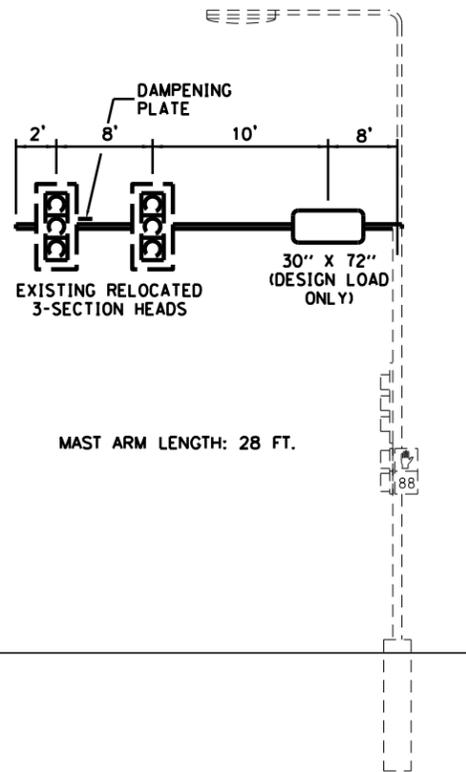
TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
2 SIGNS REQUIRED = 15.00 SQ. FT. EACH
= 30.00 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH BRIDGE STREET



TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
1 SIGNS REQUIRED = 12.50 SQ. FT. EACH
= 12.50 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH VERMILLION STREET

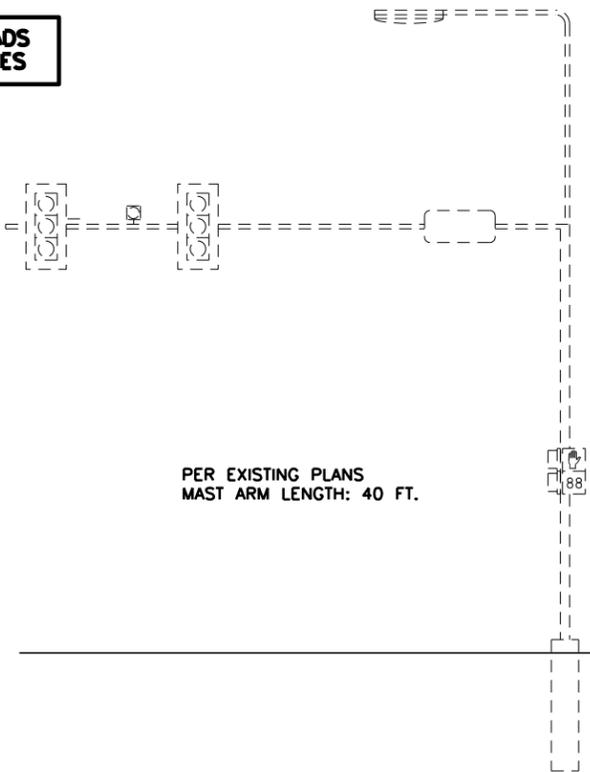


**NORTHBOUND
NORTHEAST CORNER
NOT TO SCALE**

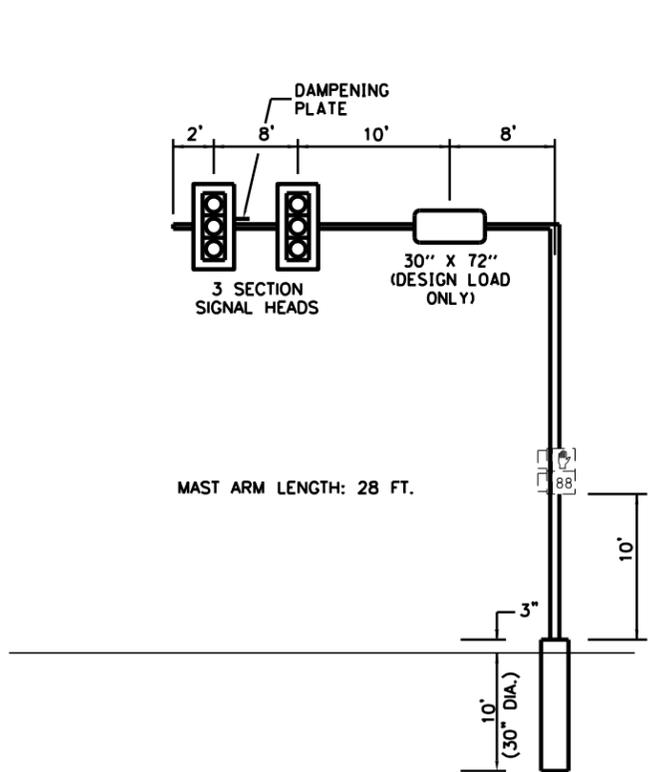
NOTE: ALL SIGNAL HEADS HAVE BACKPLATES



**NORTHBOUND
NORTHWEST CORNER
NOT TO SCALE**



**EASTBOUND
SOUTHEAST CORNER
NOT TO SCALE**



**SOUTHBOUND
SOUTHWEST CORNER
NOT TO SCALE**

MODEL: 1400BELNAMES
FILE: 140001-STRLES

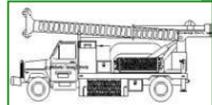
USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALE\$	DRAWN - ARR	REVISED - _____
PLOT DATE = \$DATES	CHECKED - JKC	REVISED - _____
	DATE - 1/20	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL DETAILS
IL 18 / BRIDGE STREET & VERMILLION STREET**

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	33
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 2

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

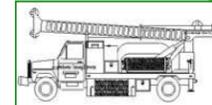
Client: City of Streator
Project Name: Traffic Signal Foundations
Project Site: Streator, Illinois

Boring No. B-1
Surface Elev. 0.00
Auger Depth 26' Rotary Depth NA
Start Date 02/21/19 Finish Date 02/21/19

Location: Southwest Corner of Vermillion and Bridge Street

(DEPTH) *ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
0.00	2" Bituminous Over Soil		1							Jeff A. Safranski Diedrich D-120	
-1.00	Medium Brown Clay (Fill)		2								
-2.00	Medium To Stiff Brownish Gray Silty Clay		3	1	SS	0.8	4	B	25		
-3.00			4								
-4.00			5	2	SS	1.2	7	B	23		
-5.00			6								
-6.00	Very Loose Brown Silt		7								
-7.00			8	3	SS	---	5	---	20		
-8.00			9								
-9.00	Very Stiff Brownish Gray Silty Clay Till		10	4	SS	2.3	12	S	18		
-10.00			11								
-11.00			12								
-12.00	Medium Gray Silt		13	5	SS	---	13	---	22		
-13.00			14								
-14.00			15	6	SS	---	12	---	21		
-15.00			16								
-16.00			17								
-17.00	Medium Gray Fine Sand		18	7	SS	---	11	---	---		
-18.00			19								
-19.00			20	8	SS	---	14	---	---		
-20.00											

Groundwater Data: Seepage encountered at 12' depth.
Comments: Static water level after auger removal 12' depth.



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 2 of 2

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: City of Streator
Project Name: Traffic Signal Foundations
Project Site: Streator, Illinois

Boring No. B-1
Surface Elev. 0.00
Auger Depth 26' Rotary Depth NA
Start Date 02/21/19 Finish Date 02/21/19

Location: Southwest Corner of Vermillion and Bridge Street

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
-21.00	Stiff Gray Silty Loam Till		22							Jeff A. Safranski Diedrich D-120	
-22.00			23	9	SS	2.2	14	S	18		
-23.00			24								
-24.00			25								
-25.00			26	10	SS	2.0	12	S	19		
-26.00			27								
-27.00			28								
-28.00			29								
-29.00			30								
-30.00			31								
-31.00		32									
-32.00		33									
-33.00		34									
-34.00		35									
-35.00		36									
-36.00		37									
-37.00		38									
-38.00		39									
-39.00		40									
-40.00		41									
-41.00											

Groundwater Data: Seepage encountered at 12' depth.
Comments: Static water level after auger removal 12' depth.

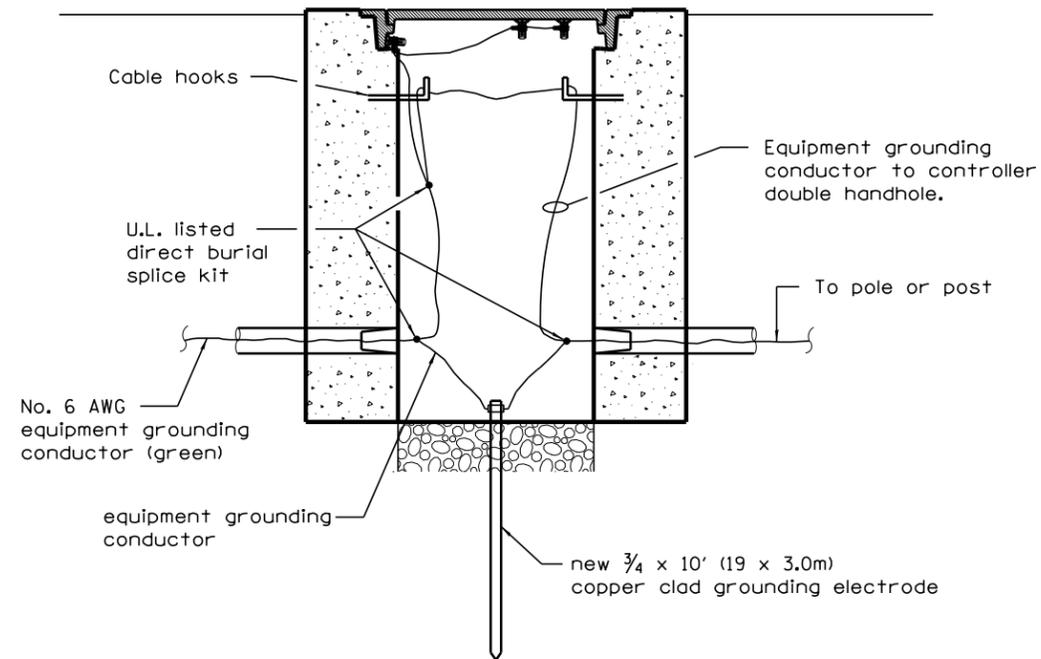
MODEL: \\MODELS\NAME FILES

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
PLOT SCALE = \$SCALES	DRAWN - ARR	REVISED - _____
PLOT DATE = \$DATES	CHECKED - JKC	REVISED - _____
	DATE - 1/20	REVISED - _____

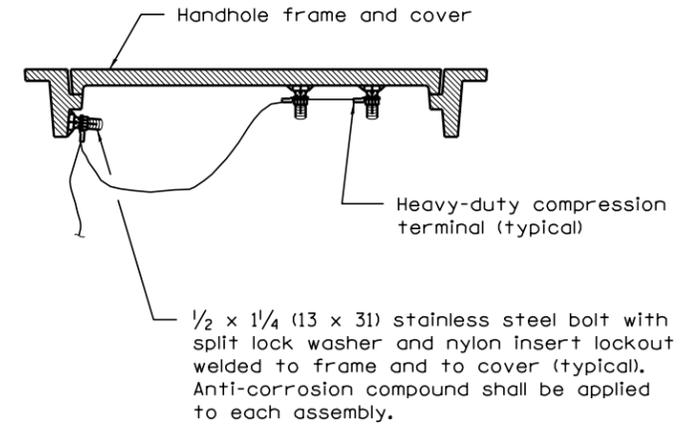
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL SOIL BORING	
IL 18 / BRIDGE STREET & VERMILLION STREET	
SCALE: _____	SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	34
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				



GROUNDING AN EXISTING HANDHOLE



BONDING AN EXISTING HANDHOLE COVER & FRAME



HEAVY-DUTY COMPRESSION TERMINAL



3/4 (19) Clamp Size

HEAVY-DUTY GROUND ROD CLAMP

MODEL: 140DELMAMES
FILE NAME: 37115

USER NAME = \$USERS	DESIGNED - JKC	REVISED - _____
	DRAWN - ARR	REVISED - _____
PLOT SCALE = \$SCALE\$	CHECKED - JKC	REVISED - _____
PLOT DATE = \$DATE\$	DATE - 1/20	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MISCELLANEOUS DETAILS
IL 18 /MAIN ST, IL 18 /BRIDGE ST, MONROE ST AND VERMILLION ST**

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	18-00100-00-LT	LASALLE	35	35
CONTRACT NO. 87717				
ILLINOIS FED. AID PROJECT				