

04-23-2021 LETTING ITEM 136

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAP ROUTE 577-IL 171 (STATE ST.)
10TH ST. TO 11TH ST.

AND

FAP ROUTE 351-IL 7 (9TH ST.)
STATE ST. TO HAMILTON ST.

STREETScape

SECTION NO. 19-00089-00-LS

PROJECT NO. R517(965)

CITY OF LOCKPORT

WILL COUNTY

JOB NO. C-91-075-21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
551/971	19-00089-00-LS	WILL	24	1
		ILLINOIS	CONTRACT NO. 61G95	



LOCATION OF SECTION INDICATED THUS: —

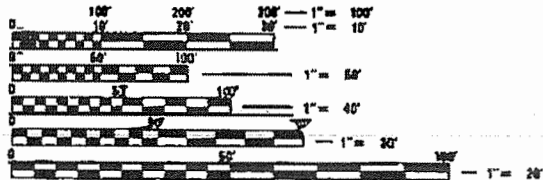
FUNCTIONAL CLASSIFICATION

IL-7 (9TH STREET) - OTHER PRINCIPAL ARTERIAL
IL-171 (STATE STREET) - OTHER PRINCIPAL ARTERIAL

TRAFFIC DATA:

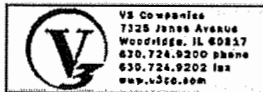
ADT:
IL-7TH (9TH STREET) 13,200 (2018)
IL-171 (STATE STREET) 12,900 (2018)

POSTED SPEED:
IL-7TH (9TH STREET) 30 MPH
IL-171 (STATE STREET) 25 MPH



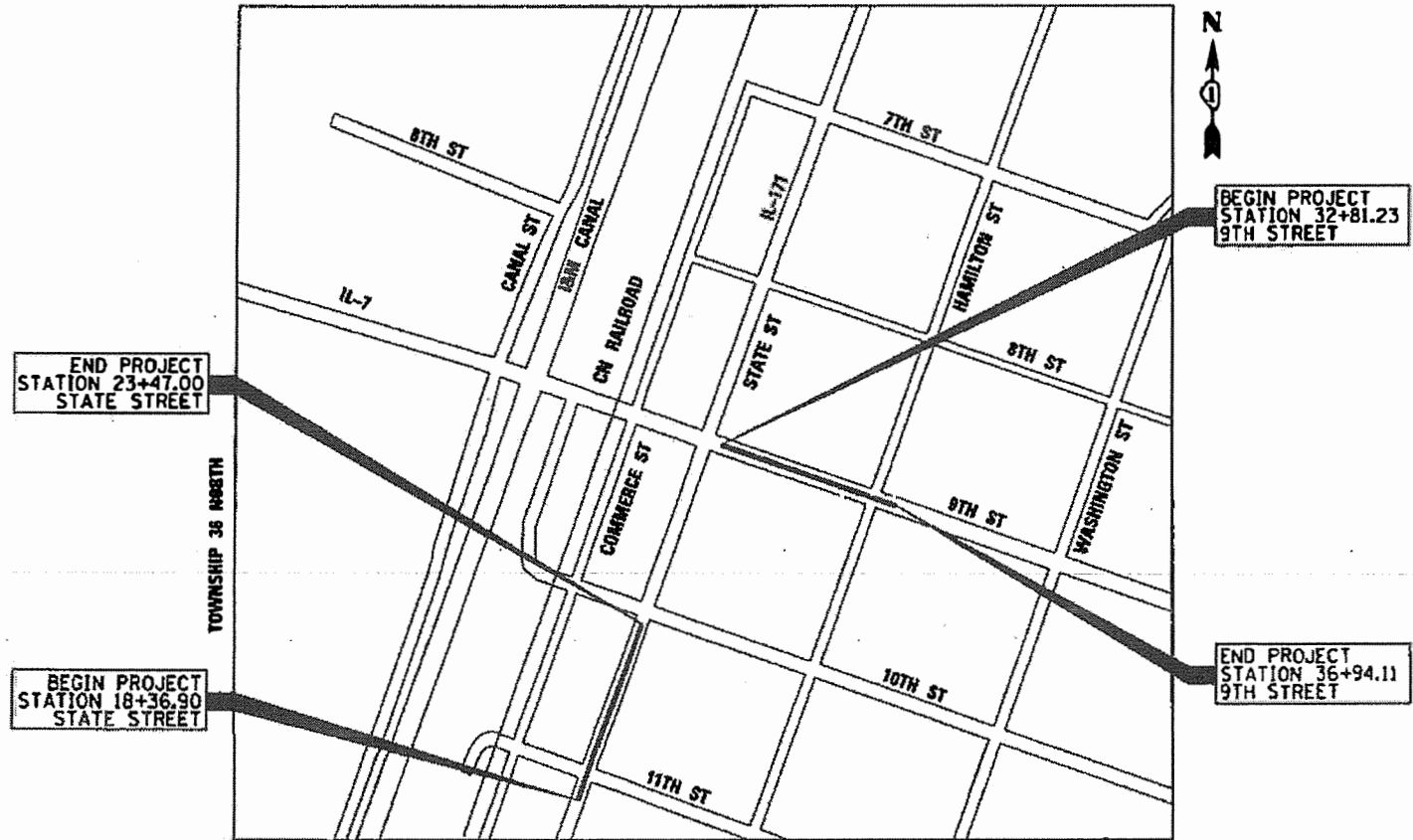
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-492-0123
OR 811



CONTRACT NO. 61G95

RANGE 10 EAST 3RD P.M.



LOCATION MAP NOT TO SCALE
GROSS AND NET LENGTH (9TH STREET) = 415 FT. = 0.08 MILES
GROSS AND NET LENGTH (STATE STREET) = 615 FT. = 0.12 MILES

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

APPROVED *Brent D. Cain*
DIRECTOR OF PUBLIC WORKS & ENGINEERING LOCKPORT R.

PASSED *March 4, 2021*
C. A. Little
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW *March 4, 2021*
John P. Ryan
REGIONAL ENGINEER

VS JACOB W. BAUER
062-064781
Jacob W. Bauer 2-10-2021
DATE: 02-10-2021
SIGNATURE AND SEAL

SHEETS 36-47 EXPIRATION DATE: 11-30-2021

VS KURT R. CORRIGAN
062-051814
Kurt R. Corrigan 2-10-2021
DATE: 02-10-2021
SIGNATURE AND SEAL

SHEETS 1-35, 40-44 EXPIRATION DATE: 11-30-2021

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GENERAL NOTES:

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR WILL NOT BE PERMITTED TO SET UP A YARD OR FIELD OFFICE ON STATE OR CITY PROPERTY WITHOUT PRIOR WRITTEN PERMISSION OF THE DEPARTMENT.
- PRIOR TO NEW WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND TO VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITY LINES AND STRUCTURES THAT MAY BE IMPACTED BY THE PROPOSED WORK PRIOR TO ORDERING MATERIAL OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES FROM THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AFFECTED BY THE WORK.
- ANY EXISTING SIDEWALK, CURB, PAVEMENT, AND/OR OTHER APPURTENANCES TO REMAIN AND IS DAMAGED DUE TO CONSTRUCTION SHALL BE REPLACED PROMPTLY AND IN COMPLIANCE WITH IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP BY THE CONTRACTOR.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
- ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONARY AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN AND PROTECT EXISTING UTILITIES, SEWERS, MAINS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES, SEWERS AND MAINS WHICH WILL REMAIN IN SERVICE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND UTILITY COMPANY IF IT IS DETERMINED THAT TEMPORARY BRACING OR SUPPORT OF THE UTILITIES IS REQUIRED.
- THE RESIDENT ENGINEER SHALL CONTACT THE IDOT AREA TRAFFIC FIELD ENGINEER AT ERIC.CAMPOS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DRAINAGE AND UTILITIES GENERAL NOTES:

- EXISTING MANHOLE / CATCH BASIN RIMS SHALL BE ADJUSTED AS NOTED.
- ALL SEWER AND WATERMAIN CROSSINGS SHALL MEET WITH THE APPLICABLE LOCAL AND STATE GUIDELINES AS DESCRIBED IN THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- UNDERGROUND UTILITIES AND DRAINAGE SYSTEMS SHOWN ON THE PLANS ARE BASED ON AVAILABLE SURVEYS AND AS-BUILT INFORMATION. THE LOCATION OF UNDERGROUND FACILITIES ARE APPROXIMATE. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO VERIFY ALL UTILITY LOCATION AND DEPTHS.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ALL SURFACE DRAINAGE WITHIN THE PROJECT LIMITS. ALL STORM FLOW MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY ENGINEER.

- ANY EXISTING DRAINAGE FACILITIES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
- OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURES LOCATED IN THE GUTTER ARE GIVEN AT THE EDGE OF PAVEMENT.
- THE EXISTING STORM SEWER TO REMAIN SHALL BE INSPECTED BY THE CONTRACTOR BEFORE CONSTRUCTION STARTS. ANY EXISTING ACCUMULATED MATERIAL SHALL BE DOCUMENTED BY THE CONTRACTOR. ANY UNDOCUMENTED ACCUMULATION OF MATERIAL FOUND IN THE STRUCTURES OR PIPES AFTER CONSTRUCTION IS COMPLETED SHALL BE REMOVED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY AND STORM SEWER OPERATIONS.
- TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.

MAINTENANCE OF TRAFFIC GENERAL NOTES:

- TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLAN AND PROTECTION SECTION 701 OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN DRAINAGE OF THE ROADWAY THROUGHOUT CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AND SIDE ROADS DURING CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER(S) TO CONFIRM WHETHER ALTERNATE ACCESS POINTS TO PROPERTIES ARE AVAILABLE DURING CONSTRUCTION ACTIVITIES. WHERE NO OTHER ACCESS TO PROPERTY IS AVAILABLE, THE CONTRACTOR SHALL PERFORM CONSTRUCTION ACTIVITIES OUTSIDE OF BUSINESS HOURS OR PROVIDE TEMPORARY ADA-COMPLIANT ACCESS.
- DAILY LANE CLOSURES ARE ONLY ALLOWED BETWEEN THE WEEKDAY HOURS OF 9:00AM AND 3:30PM, UNLESS OTHERWISE ALLOWED BY THE ENGINEER.
- ON-STREET PARKING RESTRICTIONS ALONG STATE STREET (BETWEEN 10TH STREET AND AND 11TH STREET) AND 9TH STREET (BETWEEN STATE STREET AND HAMILTON STREET) SHALL BE LIMITED TO ONE SIDE AT A TIME DURING CONSTRUCTION, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV 72 HOURS IN ADVANCE OF BEGINNING WORK.
- STAGING OF THE EXISTING LIGHTING AND TEMPORARY LIGHTING ARE AS FOLLOWS. THE CONTRACTOR IS TO INSTALL THE TEMPORARY LIGHTING BEFORE THE REMOVAL OF THE EXISTING POLES. ONCE THE TEMPORARY LIGHTING IS UP THE CONTRACTOR IS TO REMOVE LIGHT POLE AND DELIVER THEM TO THE CITY PUBLIC WORKS. ONCE THE SIDEWALK IMPROVEMENTS ARE COMPLETE THE CONTRACTOR IS TO PICK UP THE REFURBISHED POLES AND INSTALL THEM ON THE PROJECT. THE TEMPORARY POLES CANNOT BE REMOVED TILL THE NEW POLES ARE WORKING.

UTILITY CONTACT INFORMATION

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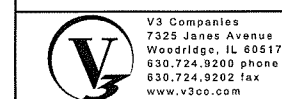
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LISTING OF HIGHWAY STANDARDS,
GENERAL NOTES AND COMMITMENTS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	2
				CONTRACT NO. 61G95
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 80% FEDERAL 20% LOCAL 0004	LANDSCAPING 100% CITY OF LOCKPORT 0004
	*	20200100	EARTH EXCAVATION	CU YD	1,700	0	1,700
		20800150	TRENCH BACKFILL	CU YD	100	100	0
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	300	0	300
#		21101805	COMPOST FURNISH AND PLACE, 2"	SQ YD	156	0	156
#		25200110	SODDING, SALT TOLERANCE	SQ YD	300	0	300
#	*	25200200	SUPPLEMENTAL WATERING	UNIT	5	0	5
		28000510	INLET FILTERS	EACH	31	31	0
		35101800	AGGREGATE BASE COURSE, TYPE B, 6"	SQ YD	2,400	0	2,400
		35102200	AGGREGATE BASE COURSE, TYPE B, 10"	SQ YD	500	0	500
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	290	290	0
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT, 4.5'	SQ YD	200	200	0
		40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	400	400	0
		40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	800	800	0
	*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	16,500	0	16,500
	*	42400800	DETECTABLE WARNINGS	SQ FT	194	0	194
		44000100	PAVEMENT REMOVAL	SQ YD	560	560	0
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	72	0	72
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,900	1,900	0



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE SHEET 1 OF 8 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	3
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 80% FEDERAL 20% LOCAL 0004	LANDSCAPING 100% CITY OF LOCKPORT 0004
		44000600	SIDEWALK REMOVAL	SQ FT	21,000	0	21,000
		44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	120	120	0
		55100200	STORM SEWER REMOVAL 6"	FOOT	164	164	0
		550A0340	STORM SEWERS, CLASS A, TYPE 2, 12"	FOOT	35	35	0
		55100300	STORM SEWER REMOVAL 8"	FOOT	22	22	0
		55100400	STORM SEWER REMOVAL 10"	FOOT	23	23	0
		55100500	STORM SEWER REMOVAL 12"	FOOT	108	108	0
#		56101148	DUCTILE IRON WATER MAIN REDUCER, 8" X 4"	EACH	1	0	1
#	*	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	250	0	250
#	*	56104900	WATER VALVE, 6"	EACH	2	0	2
#	*	56105000	WATER VALVE, 8"	EACH	3	0	3
#		56201160	WATER SERVICE LINE 6"	FOOT	50	0	50
#	*	56400300	FIRE HYDRANT TO BE ADJUSTED	EACH	2	0	2
	*	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	596	0	596
	*	60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	171	0	171
		60207005	CATCH BASINS, TYPE C, TYPE 1 CLOSED LID	EACH	1	1	0
		60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	7	7	0
		60218400	MANHOLE, TYPE A, 4'- DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	0



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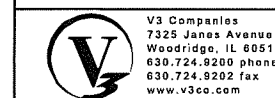
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES
SCALE: NONE SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 4
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 80% FEDERAL 20% LOCAL 0004	LANDSCAPING 100% CITY OF LOCKPORT 0004
		60219300	MANHOLE, TYPE A, 4'- DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2	0
		60236800	INLET, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1	0
		60248700	VALVE VAULTS, TYPE A, 4' DIAMETER, TYPE 1 CLOSED LID	EACH	3	0	3
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	31	31	0
		60500040	REMOVING MANHOLES	EACH	3	3	0
		60500050	REMOVING CATCH BASINS	EACH	2	2	0
		60500060	REMOVING INLETS	EACH	4	4	0
	*	60600605	CONCRETE CURB, TYPE B	FOOT	700	0	700
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,500	1,500	0
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	250	250	0
		60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	100	100	0
		67100100	MOBILIZATION	LSUM	1	0.5	0.5
	*	70102626	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	EACH	2	1	1
	*	70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	2	1	1
	*	70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	4	2	2
#		72000100	SIGN PANEL - TYPE 1	SQ FT	65	0	65
#		72000200	SIGN PANEL - TYPE 2	SQ FT	50	0	50



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

SUMMARY OF QUANTITIES	
SCALE: NONE	SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 5
CONTRACT NO. 61G95				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 80% FEDERAL 20% LOCAL 0004	LANDSCAPING 100% CITY OF LOCKPORT 0004
#		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	0	2
#		72400310	REMOVE SIGN PANEL - TYPE I	SQ FT	36	0	36
#		72400320	REMOVE SIGN PANEL - TYPE II	SQ FT	50	0	50
#		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	0	3
#		72800100	TELESCOPING STEEL SUPPORT	FOOT	115	0	115
#		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	99	99	0
#		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,946	3,946	0
#		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	465	465	0
#		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	277	277	0
#		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	129	129	0
#		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	70	70	0
#		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	56	56	0
#		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	9	9	0
#	*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	49	0	49
#		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	75	0	75
#	*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	162	0	162
#		81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	16	0	16
#		81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	727	0	727



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USER NAME = msledak
PLOT SCALE = 2.0000' / in.
PLOT DATE = 2/18/2021

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DATE -	REVISED -

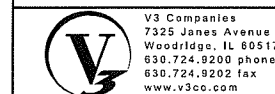
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 6
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 80% FEDERAL 20% LOCAL 0004	LANDSCAPING 100% CITY OF LOCKPORT 0004
#		81603065	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	859	0	859
#		81603078	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	1,810	0	1,810
#		81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	660	0	660
#		81702610	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 5-1/C NO. 2	FOOT	811	0	811
#	*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	250	0	250
#	*	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	25	0	25
#	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	0	1
#		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	653	0	653
#		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	75	0	75
#		87900200	DRILL EXISTING HANDHOLE	EACH	8	0	8
#	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	832	832	0
#		88800100	PEDESTRIAN PUSH-BUTTON	EACH	3	0	3
#		89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1	0	1
#	*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	0	1
#		A2000090	TREE, ACER X FREEMANII ARMSTRONG (ARMSTONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	0	4
#		A2007170	TREE, QUERCUS WAREI REGAL PRINCE, (REGAL PRINCE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	0	6
#		A2008618	TREE, ULMUS MORTON GLOSYY (TRIUMPH ELM), 3" CALIPER, BALLED AND BURLAPPED	EACH	2	0	2
#		A2064012	TREE, QUERCUS ALBA X ROBUR CRIMSCHMIDT (CRIMSON SPIRE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	0	4



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 7
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 80% FEDERAL 20% LOCAL 0004	LANDSCAPING 100% CITY OF LOCKPORT 0004
#	*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	1.7	0	1.7
#	*	K0029634	WEED CONTROL, PRE- EMERGENT GRANULAR HERBICIDE	POUND	3	0	3
#	*	K1005481	SHREDDED BARK MULCH, 3"	SQ YD	128	0	128
	*	X0200002	PORTLAND CEMENT CONCRETE BASE COURSE, 4 INCH	SQ YD	1,480	0	1,480
#	*	X0300635	PLANTER	EACH	9	0	9
#	*	X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	9	0	9
#	*	X0326981	ENGINEERED SOIL FURNISH AND PLACE (SPECIAL)	CU YD	270	0	270
	*	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	1,930	0	1,930
	*	X0327680	TRENCH DRAIN	FOOT	33	0	33
	*	X0540000	BRICK PAVERS	SQ FT	11,095	0	11,095
#	*	X1400088	POWER PEDESTALS	EACH	21	0	21
#	*	X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2	0	2
#	*	X1400419	LIGHTING UNIT (INSTALL ONLY)	EACH	25	0	25
	*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	6,400	6,400	0
#	*	X5090850	ORNAMENTAL RAILING	FOOT	681	0	681
#	*	X5610704	WATER MAIN REMOVAL, 4"	FOOT	116	0	116
#	*	X6026623	VALVE BOX	EACH	2	0	2
	*	X6030205	FRAME AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	27	27	0



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 8 SHEETS STA. TO STA.

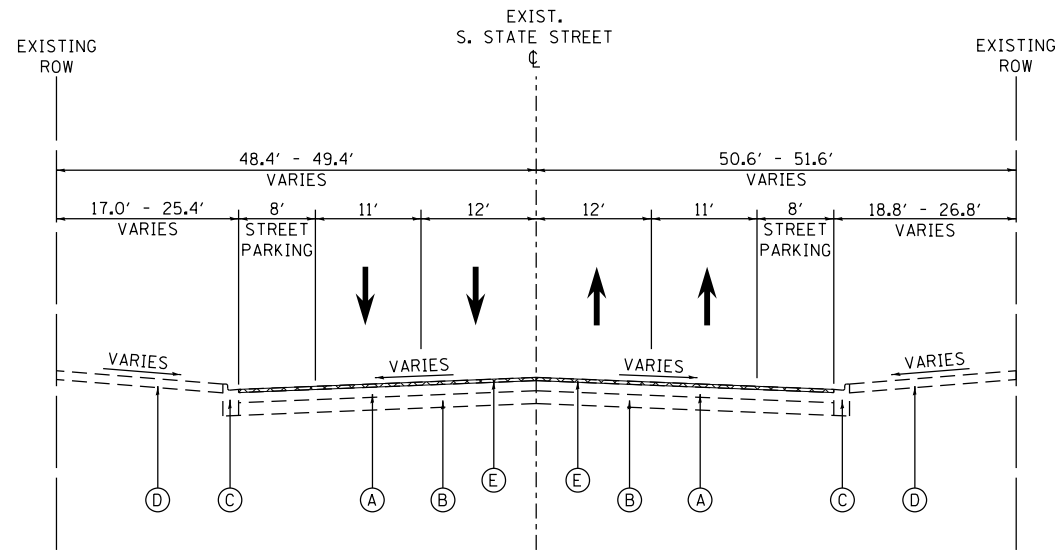
F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 8
CONTRACT NO. 61C95			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 80% FEDERAL 20% LOCAL 0004	LANDSCAPING 100% CITY OF LOCKPORT 0004
	*	X6060079	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-3.12 (SPECIAL)	FOOT	300	300	0
#	*	X8140115	HANDHOLE TO BE ADJUSTED	EACH	5	5	0
#	*	X8410102	TEMPORARY LIGHTING SYSTEM	LSUM	1	0	1
#	*	X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	4	0	4
#	*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16	0	16
	*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	0.5	0.5
#	*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	0	6
Δ	*	Z0076600	TRAINEES	HOUR	500	0	0
Δ	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	0	0
	*	XX009445	BENCHES (INSTALL ONLY)	EACH	22	0	22
	*	XX009446	BIKE RACKS (INSTALL ONLY)	EACH	23	0	23
	*	XX009447	BOLLARDS (INSTALL ONLY)	EACH	5	0	5
	*	XX009448	CONCRETE CURB PLANTER	FOOT	681	0	681
#	*	XX009449	SHRUB, BUDDLEIA SMNBDBT (PUGSTER BLUE BUTTERFLY BUSH), CONTAINER GROWN, 2-GALLON	EACH	16	0	16
#	*	XX009450	SHRUB, ROSA RUGOSA 'FRAU DAGMAR HASTRUP', (FRAU DAGMAR HASTRUP RUGOSA ROSE) , CONTAINER GROWN, 5 GALLON	EACH	14	0	14
#	*	XX009451	SHRUB, ROSA RUGOSA 'MEITZOZURA' (RASPBERRY RUGOSTAR ROSE), CONTAINER GROWN, 5-GALLON	EACH	16	0	16
#	*	XX009452	SHRUB, SYRINGA SMSJBP7 (BLOOMERANG DARK PURPLE LILAC) , CONTAINER GROWN, 3-GALLON	EACH	20	0	20
#	*	X0327814	PLANTING SOIL MIX FURNISH AND PLACE, 24"	SQ YD	156	0	156

Δ 0042

 V3 Companies 7325 James Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = msJadek DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 9	CONTRACT NO. 61695
	PLOT SCALE = 2.0000" / 1" PLOT DATE = 2/18/2021	SCALE: NONE		SHEET 7 OF 8 SHEETS	STA.	TO STA.	[ILLINOIS] FED. AID PROJECT				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 80% FEDERAL 20% LOCAL 0004	LANDSCAPING 100% CITY OF LOCKPORT 0004
	*	XX009453	STORM SEWERS, CLASS B, TYPE 1, 8"	FOOT	15	15	0
	*	XX009454	TRASH RECEPTACLES (INSTALL ONLY)	EACH	7	0	7
#	*	XX009455	TREE GRATES (INSTALL ONLY)	EACH	8	0	8
#		XX009456	TREE, QUERCUS MACROCARPA JFS-KW3(URBAN PINNACLE BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	0	3

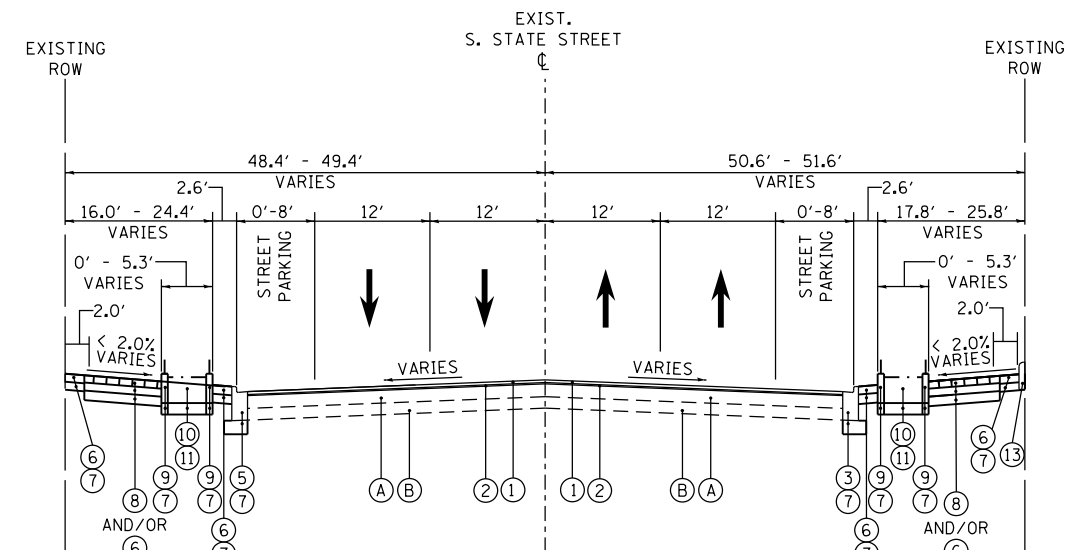
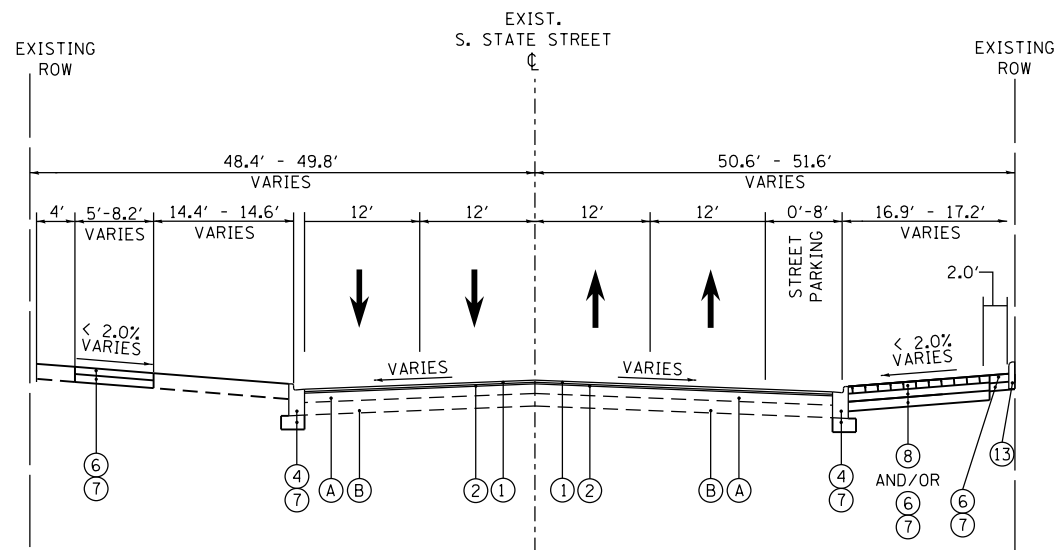


EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE
- (B) CONCRETE SUBBASE
- (C) COMBINATION CONCRETE CURB AND GUTTER
- (D) CONCRETE SIDEWALK
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-3.12
- (6) PCC SIDEWALK, 5"
- (7) AGGREGATE BASE COURSE, TY B, 6"
- (8) UNIT PAVER WITH PCC BASE COURSE, 4"
- (9) PLANTER CURB
- (10) PLANTING SOIL
- (11) PLANTER MEDIUM (SEE LANDSCAPING DETAIL)
- (12) CLASS D PATCHES, TY. II, 13"
- (13) CONCRETE CURB, TY. B
- (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12



NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SOYD/IN.
2. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISION.
3. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISION.

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	VOIDS
STATE STREET AND 9TH STREET	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"	4% @ 70 GYR
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR
CLASS D PATCHES, TYPE II	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 13" (3 LIFTS)	4% @ 70 GYR



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	DATE -	REVISED -

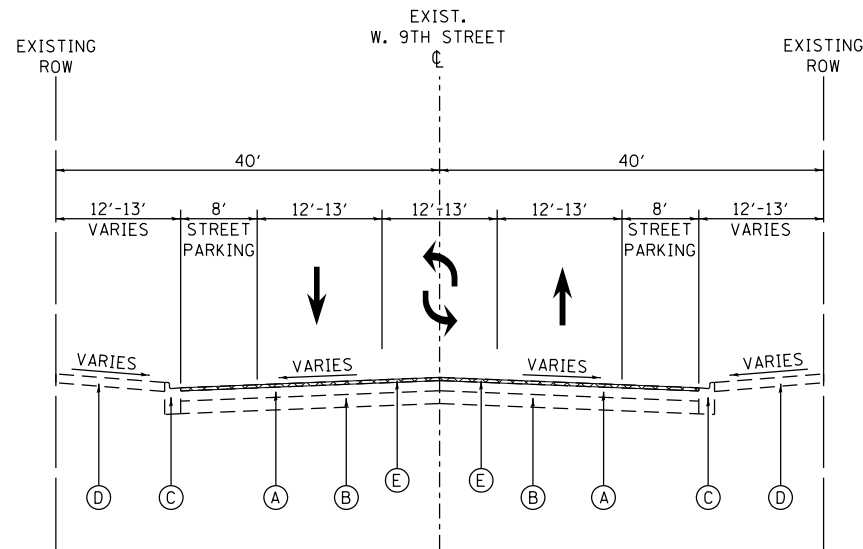
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STATE STREET TYPICAL SECTIONS
 EXISTING AND PROPOSED

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 11
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 61G95



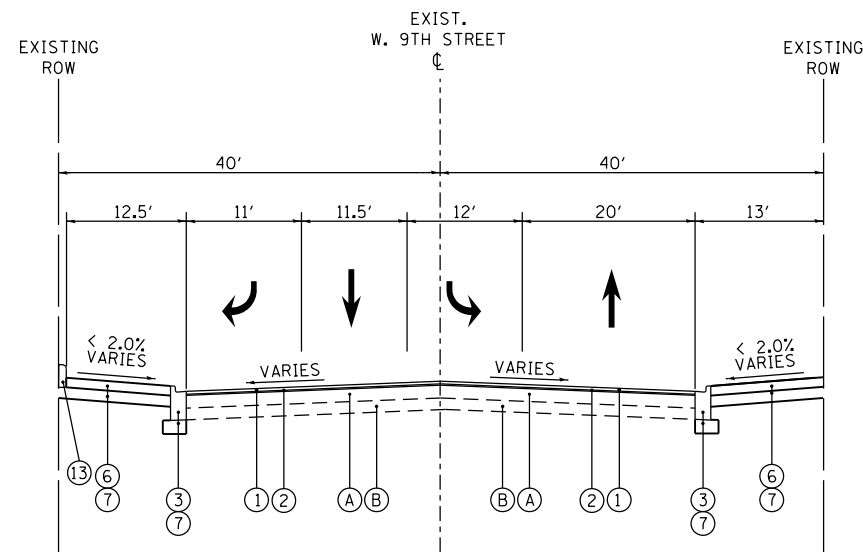
EXISTING TYPICAL SECTION W. 9TH STREET
STA 32+81.23 TO STA 36+94.11

EXISTING LEGEND

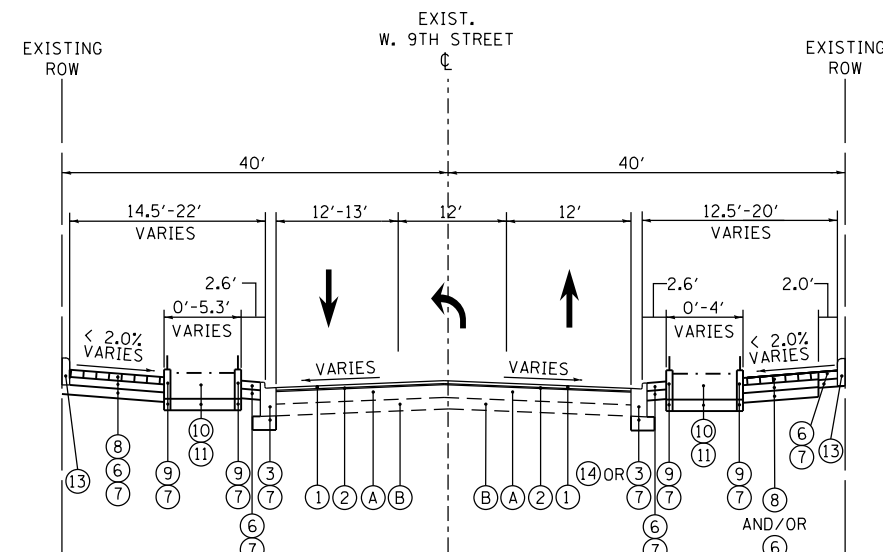
- (A) HOT-MIX ASPHALT SURFACE, 8" ±
- (B) PCC PAVEMENT, 7" ±
- (C) COMBINATION CONCRETE CURB AND GUTTER
- (D) CONCRETE SIDEWALK
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-3.12
- (6) PCC SIDEWALK, 5"
- (7) AGGREGATE BASE COURSE, TY B, 6"
- (8) UNIT PAVER WITH PCC BASE COURSE, 4"
- (9) PLANTER CURB
- (10) PLANTER MEDIUM (SEE LANDSCAPING DETAIL)
- (11) STRUCTURAL SOIL, 3"
- (12) CLASS D PATCHES, TY II, 13"
- (13) CONCRETE CURB, TY B
- (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12



PROPOSED TYPICAL SECTION W. 9TH STREET
STA 32+81.23 TO STA 33+61.50



PROPOSED TYPICAL SECTION W. 9TH STREET
STA 33+61.50 TO STA 36+94.11



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**9TH STREET TYPICAL SECTIONS
EXISTING AND PROPOSED**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	12
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

BENCHMARK

DATUM: NAVD88
 DESCRIPTION: COPPER BOLT LEADED IN THE STONE AT A TWO-STORY BRICK BUILDING ("ANTIQUES ON STATE"), AT THE SOUTHWEST CORNER OF THE INTERSECTION OF STATE AND NINTH STREET, 21.7 FEET WEST OF THE NORTHEAST CORNER OF THE BUILDING, AND IN THE NORTH WATER TABLE.

SITE:

STATION DESIGNATION: SBM#3
 ESTABLISHED BY: V3 COMPANIES
 DATE: 02/04/2016

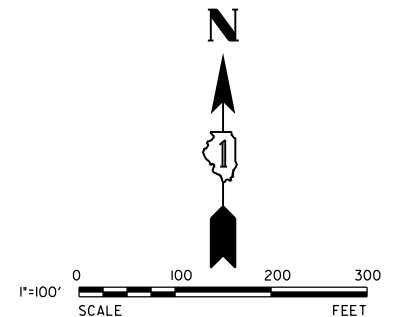
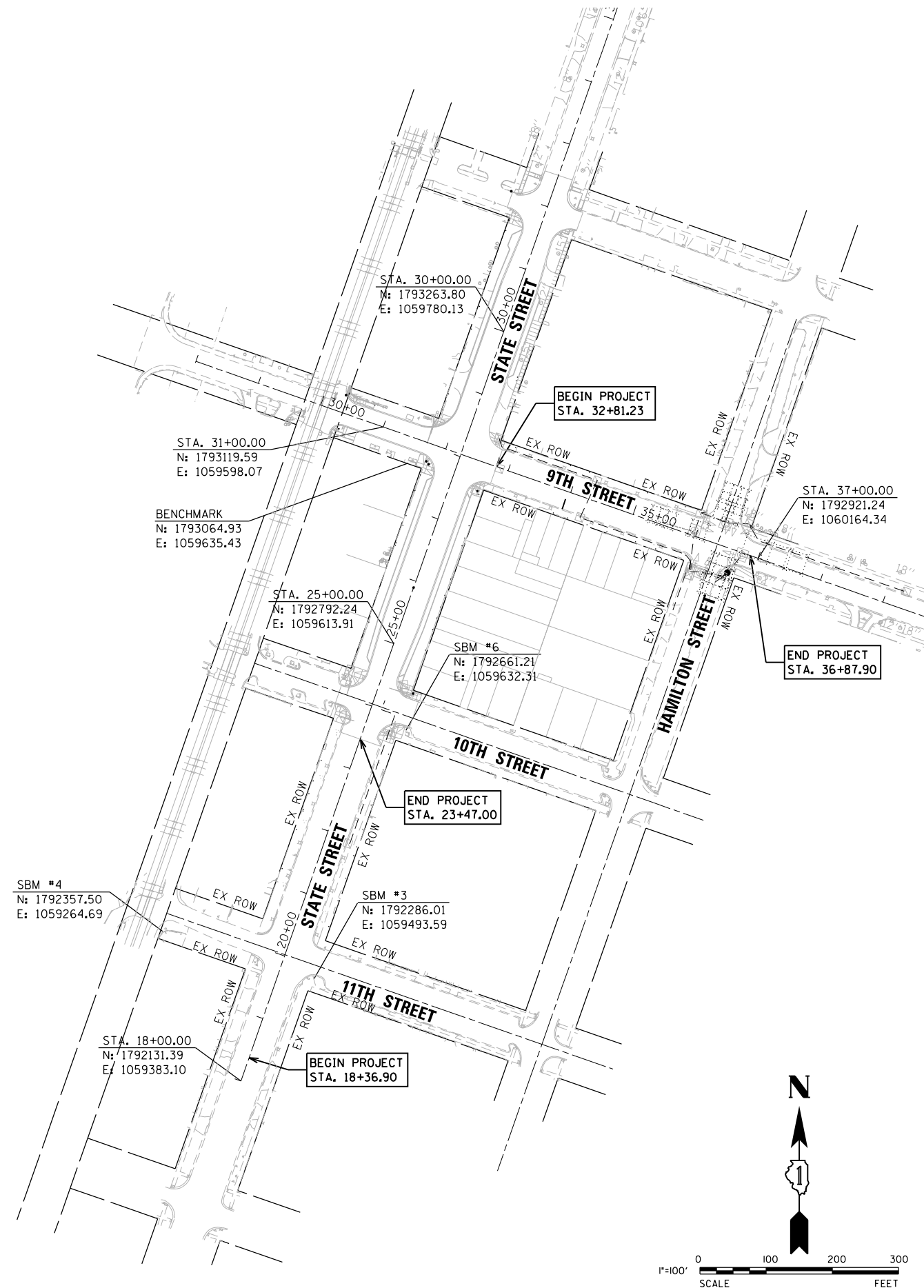
ELEVATION: 602.22 (MEASURED)
 DATUM: NAVD88
 DESCRIPTION: SOUTHWEST ARROW BOLT ON FIRE HYDRANT LOCATED AT THE SOUTH EASTERLY CORNER OF 11TH STREET AND STATE STREET

STATION DESIGNATION: SBM#4
 ESTABLISHED BY: V3 COMPANIES
 DATE: 02/04/2016

ELEVATION: 589.87 (MEASURED)
 DATUM: NAVD88
 DESCRIPTION: WEST BOLT ON FIRE HYDRANT LOCATED AT ALONG SOUTH LINE OF 11TH STREET WEST OF STATE AND EAST OF RAILROAD TRACKS

STATION DESIGNATION: SBM#6
 ESTABLISHED BY: V3 COMPANIES
 DATE: 02/04/2016

ELEVATION: 604.64 (MEASURED)
 DATUM: NAVD88
 DESCRIPTION: SOUTH ARROW BOLT ON FIRE HYDRANT LOCATED AT THE SOUTH EASTERLY CORNER OF 10TH STREET AND STATE STREET

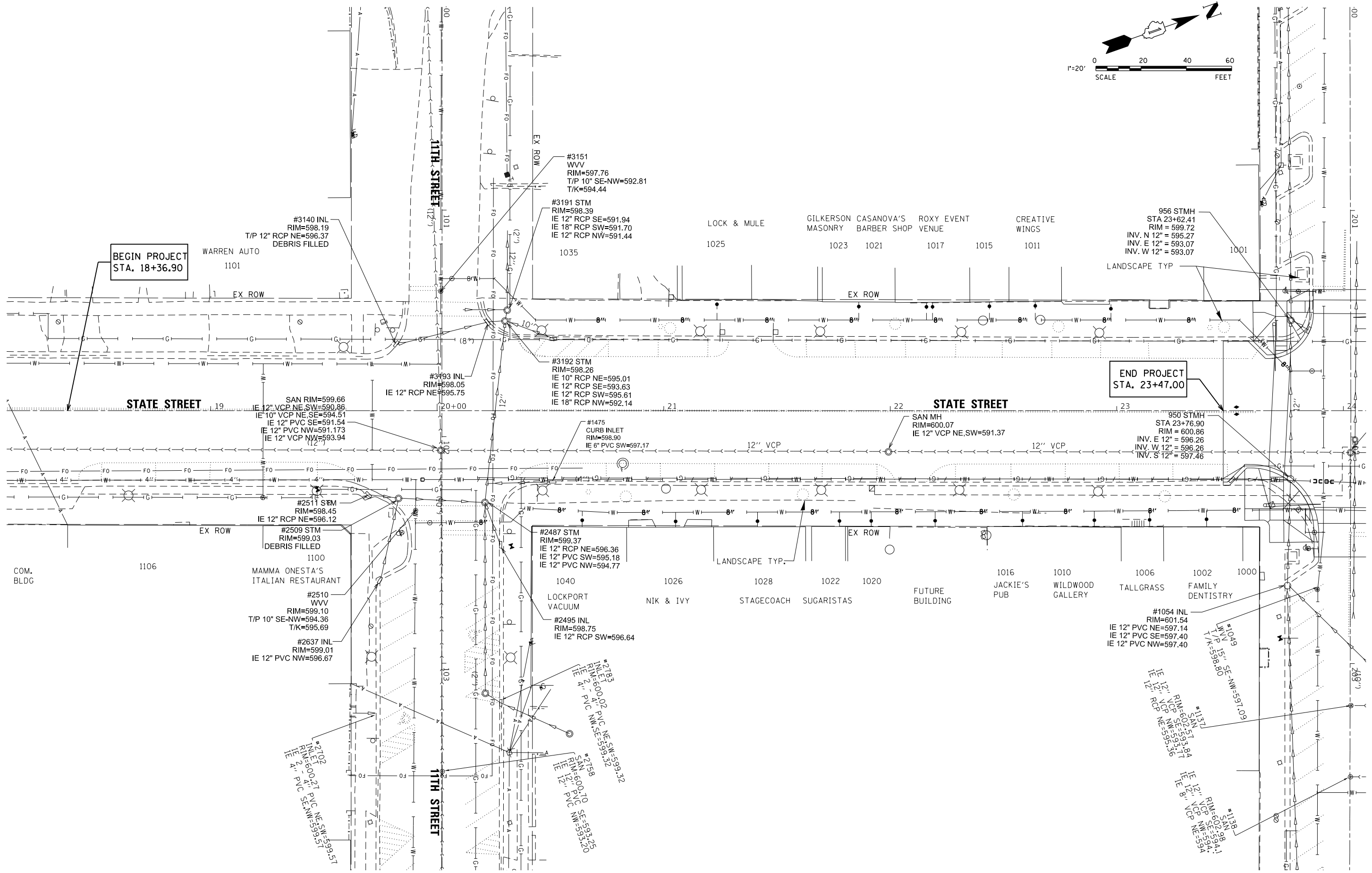
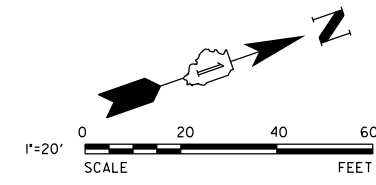


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	PLOT DATE = 3/11/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS			
SCALE: 1" = 100'	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G95	



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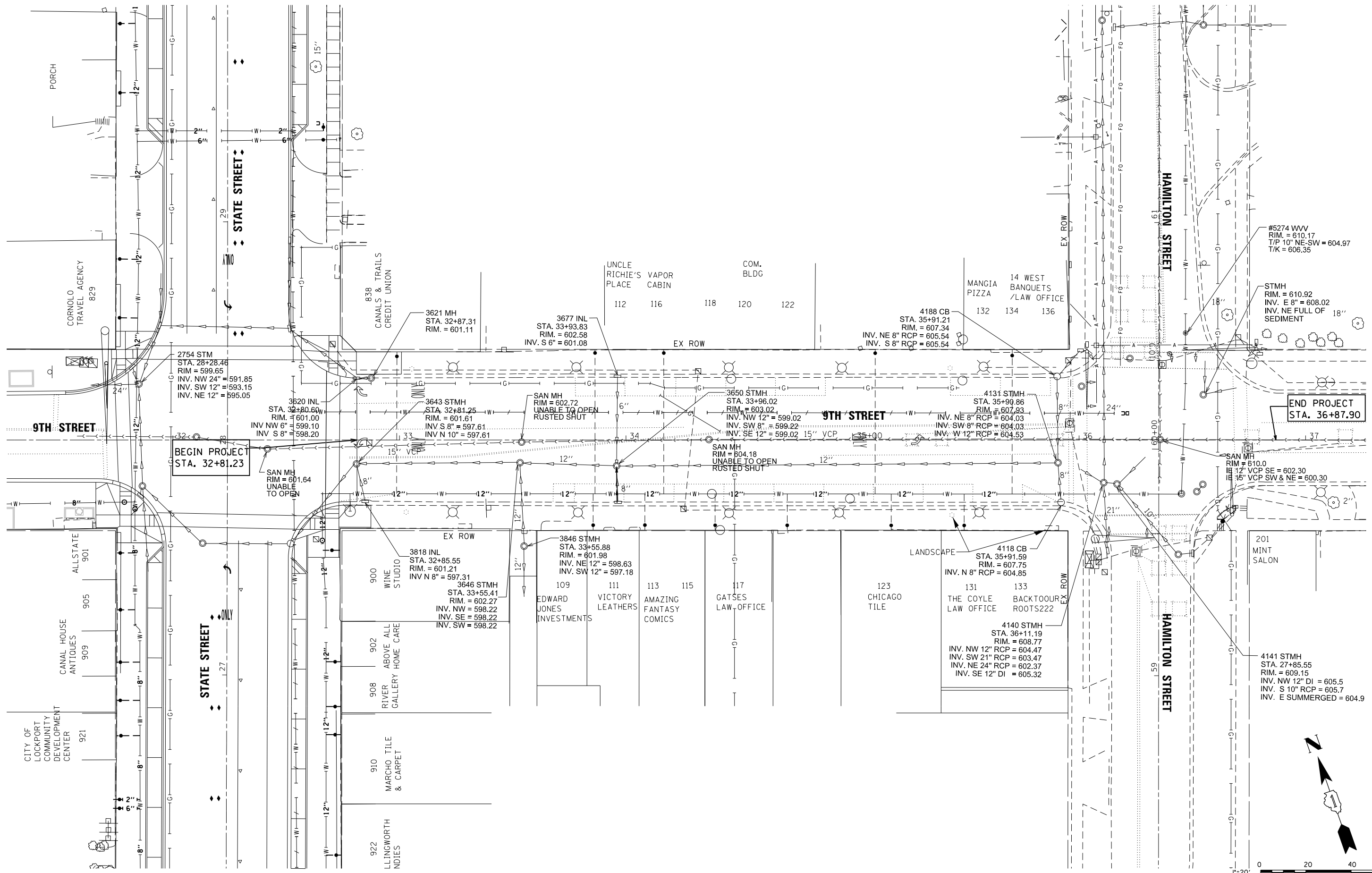
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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**S. STATE STREET
 EXISTING CONDITIONS PLAN**

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 18+36.90 TO STA. 24+48.90

F.A.P. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	14
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



BEGIN PROJECT
STA. 32+81.23

END PROJECT
STA. 36+87.90



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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. 9TH STREET
EXISTING CONDITIONS PLAN
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 32+81.23 TO STA. 36+94.11

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 15
CONTRACT NO. 61G95				
ILLINOIS FED. AID PROJECT				

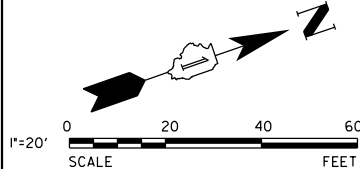
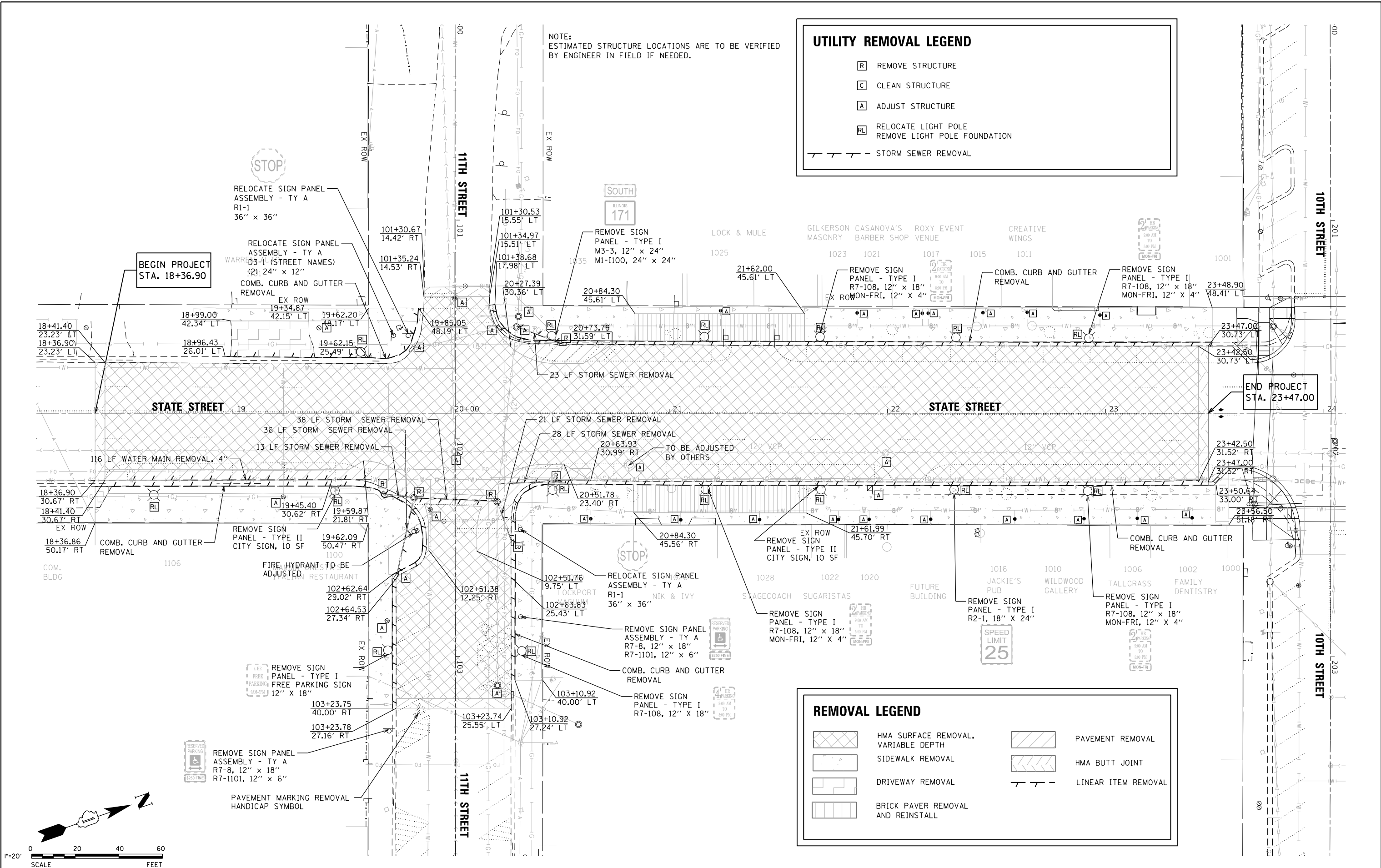
UTILITY REMOVAL LEGEND

- R REMOVE STRUCTURE
- C CLEAN STRUCTURE
- A ADJUST STRUCTURE
- RL RELOCATE LIGHT POLE
REMOVE LIGHT POLE FOUNDATION
- STORM SEWER REMOVAL

REMOVAL LEGEND

- HMA SURFACE REMOVAL, VARIABLE DEPTH
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA BUTT JOINT
- DRIVEWAY REMOVAL
- LINEAR ITEM REMOVAL
- BRICK PAVER REMOVAL AND REINSTALL

NOTE:
ESTIMATED STRUCTURE LOCATIONS ARE TO BE VERIFIED
BY ENGINEER IN FIELD IF NEEDED.



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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. STATE STREET
REMOVAL PLAN

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 18+36.90 TO STA. 24+48.90

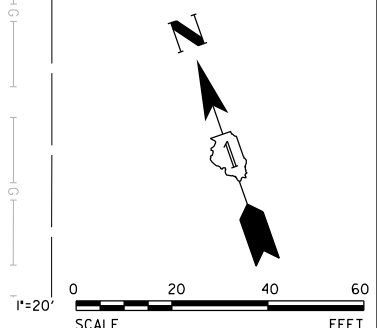
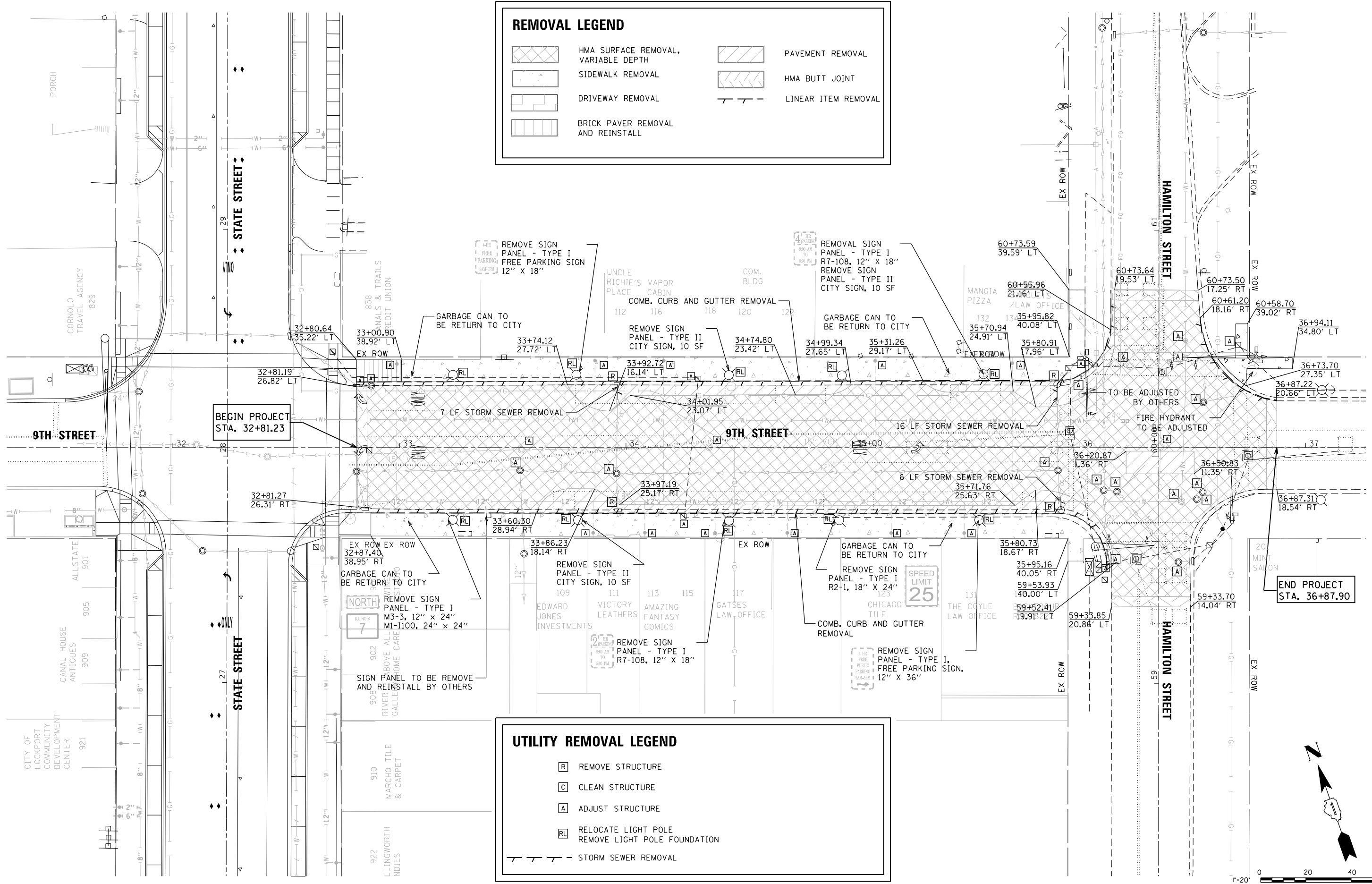
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CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

REMOVAL LEGEND

	HMA SURFACE REMOVAL, VARIABLE DEPTH		PAVEMENT REMOVAL
	SIDEWALK REMOVAL		HMA BUTT JOINT
	DRIVEWAY REMOVAL		LINEAR ITEM REMOVAL
	BRICK PAVER REMOVAL AND REINSTALL		

UTILITY REMOVAL LEGEND

	REMOVE STRUCTURE
	CLEAN STRUCTURE
	ADJUST STRUCTURE
	RELOCATE LIGHT POLE REMOVE LIGHT POLE FOUNDATION
	STORM SEWER REMOVAL



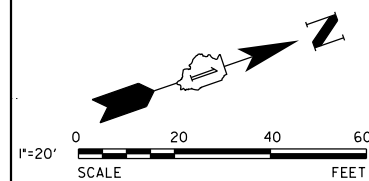
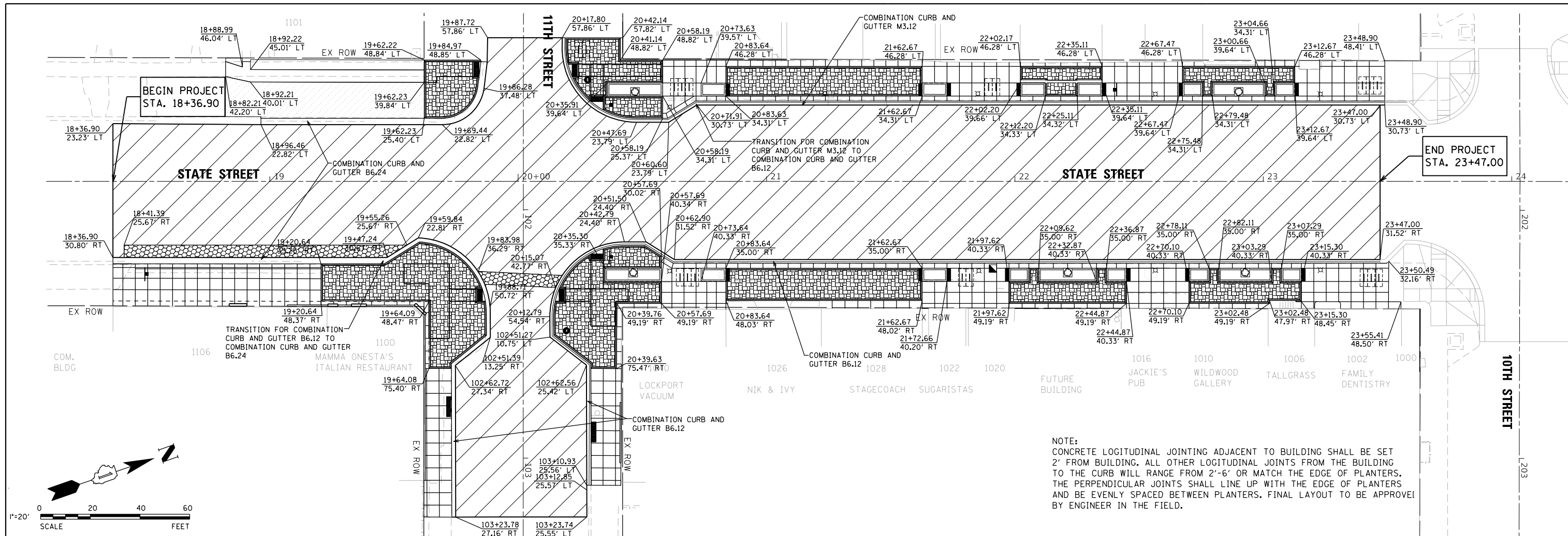
V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = msladek	DESIGNED -	REVISED -
	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 3/11/2021	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

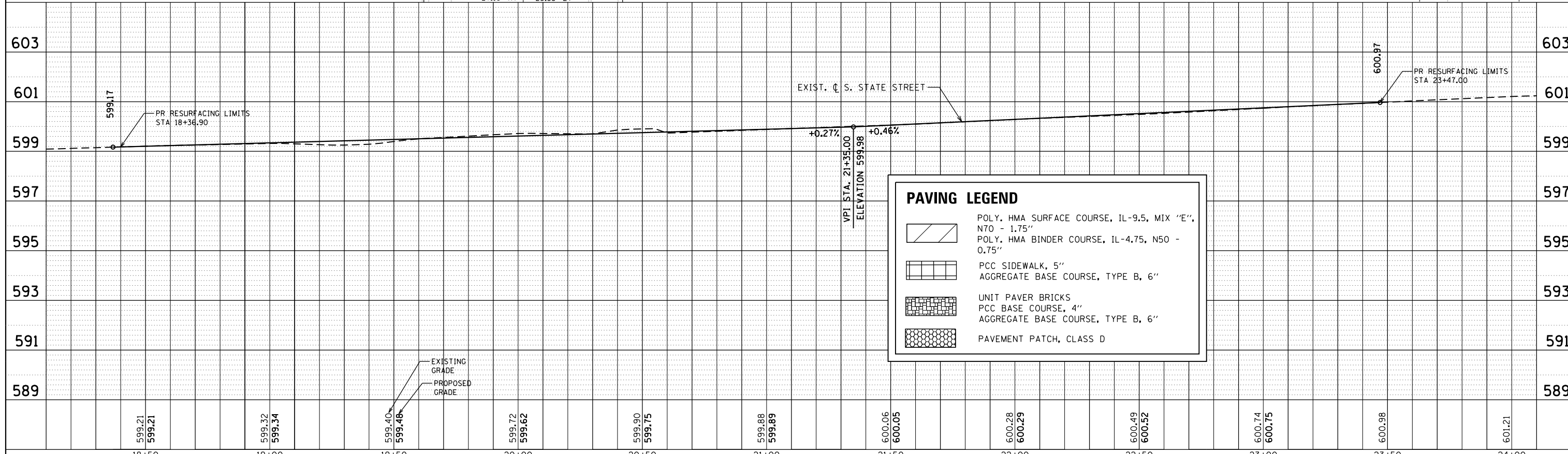
**W. 9TH STREET
REMOVAL PLAN**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 32+81.23 TO STA. 36+94.11







F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 17
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

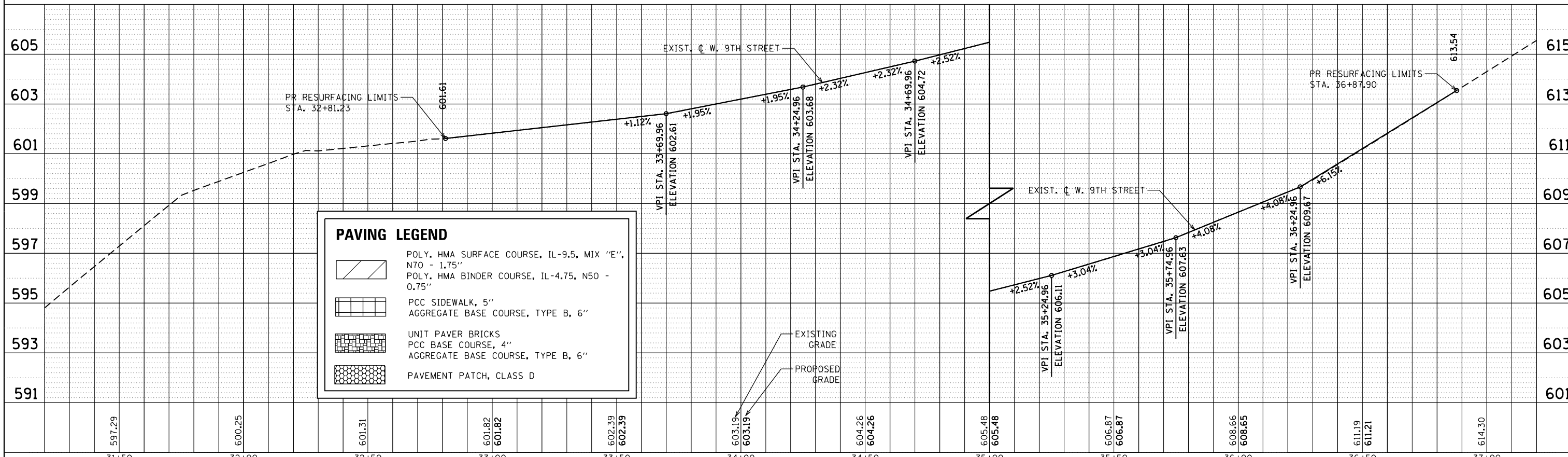
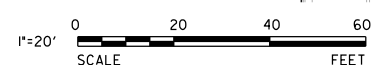
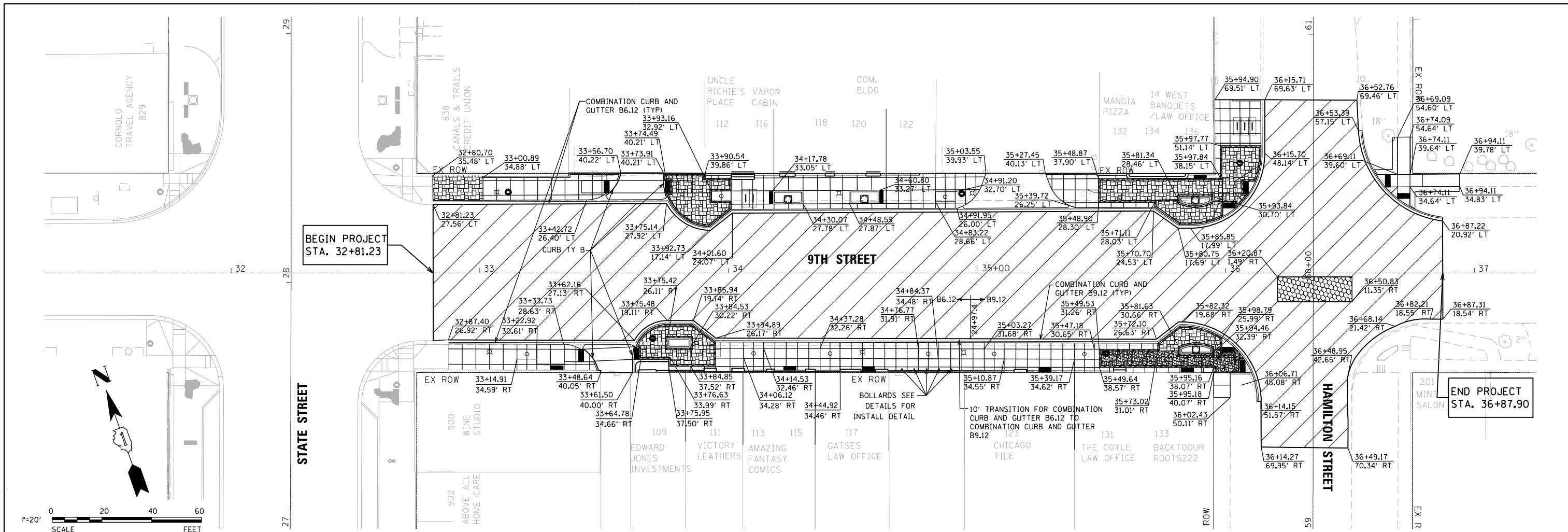


NOTE:
 CONCRETE LOGITUDINAL JOINTING ADJACENT TO BUILDING SHALL BE SET 2' FROM BUILDING. ALL OTHER LOGITUDINAL JOINTS FROM THE BUILDING TO THE CURB WILL RANGE FROM 2'-6" OR MATCH THE EDGE OF PLANTERS. THE PERPENDICULAR JOINTS SHALL LINE UP WITH THE EDGE OF PLANTERS AND BE EVENLY SPACED BETWEEN PLANTERS. FINAL LAYOUT TO BE APPROVED BY ENGINEER IN THE FIELD.

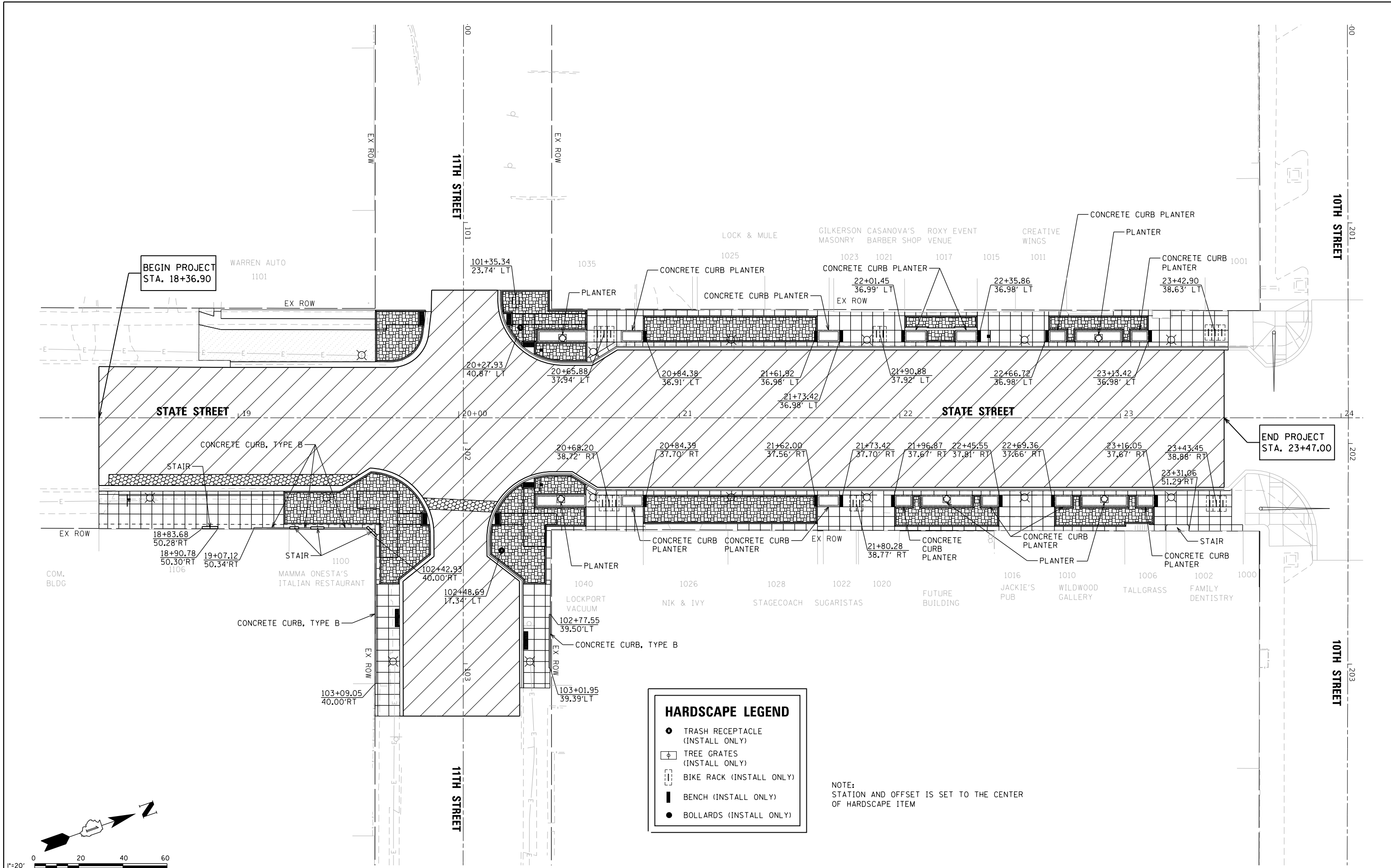


PAVING LEGEND

-  POLY. HMA SURFACE COURSE, IL-9.5, MIX "E", N70 - 1.75"
-  POLY. HMA BINDER COURSE, IL-4.75, N50 - 0.75"
-  PCC SIDEWALK, 5"
-  UNIT PAVER BRICKS
PCC BASE COURSE, 4"
-  AGGREGATE BASE COURSE, TYPE B, 6"
-  PAVEMENT PATCH, CLASS D



PAVING LEGEND	
	POLY. HMA SURFACE COURSE, IL-9.5, MIX "E", N70 - 1.75"
	POLY. HMA BINDER COURSE, IL-4.75, N50 - 0.75"
	PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B, 6"
	UNIT PAVER BRICKS PCC BASE COURSE, 4" AGGREGATE BASE COURSE, TYPE B, 6"
	PAVEMENT PATCH, CLASS D



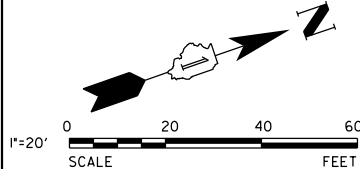
BEGIN PROJECT
STA. 18+36.90

END PROJECT
STA. 23+47.00

HARDSCAPE LEGEND

- TRASH RECEPTACLE (INSTALL ONLY)
- ⊕ TREE GRATES (INSTALL ONLY)
- ⌈⌋ BIKE RACK (INSTALL ONLY)
- ▬ BENCH (INSTALL ONLY)
- BOLLARDS (INSTALL ONLY)

NOTE:
STATION AND OFFSET IS SET TO THE CENTER
OF HARDSCAPE ITEM



USER NAME = msladek	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. STATE STREET
HARDSCAPE PLAN

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 18+10.00 TO STA. 24+10.00

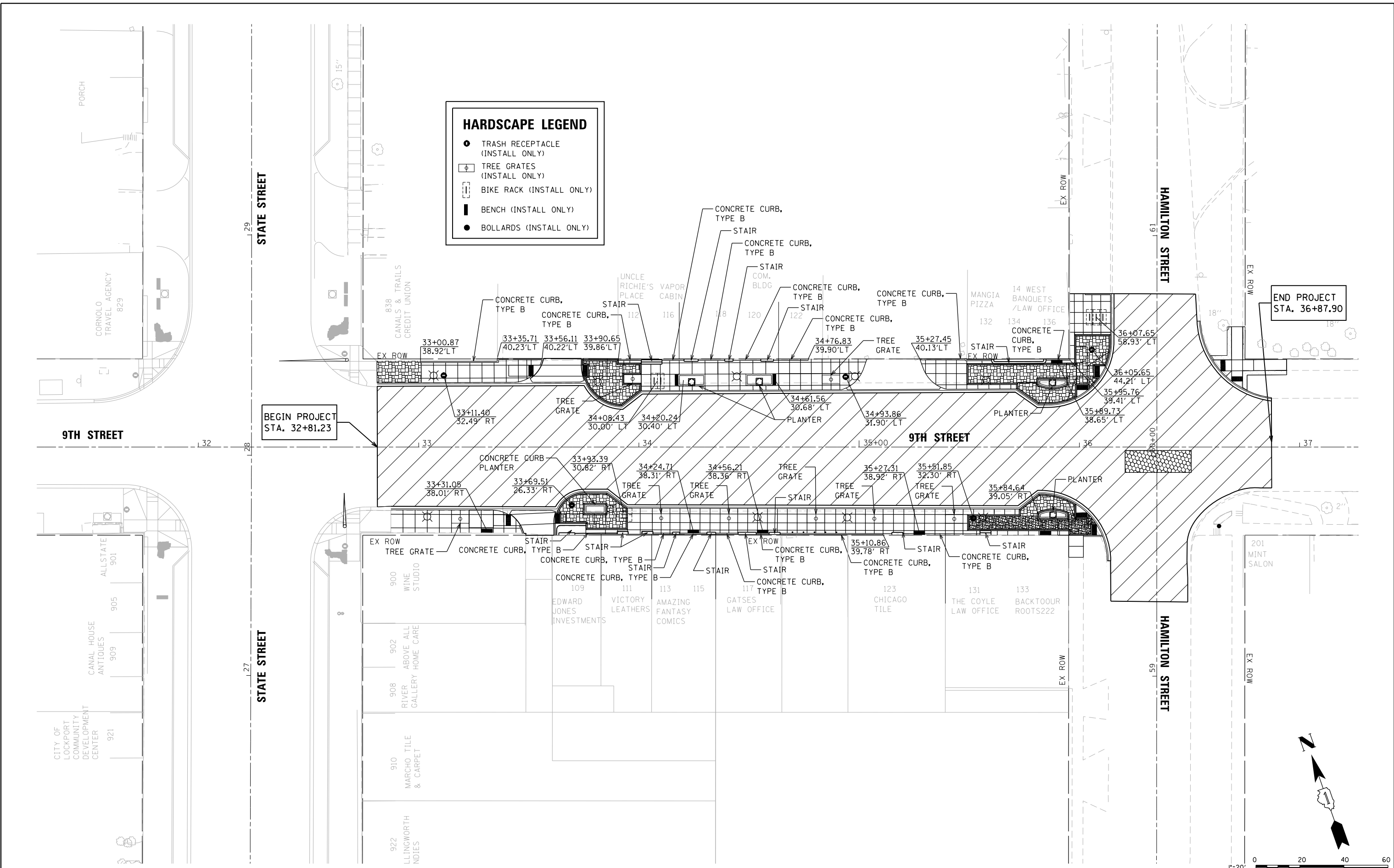
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CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

HARDSCAPE LEGEND

- TRASH RECEPTACLE (INSTALL ONLY)
- ⊕ TREE GRATES (INSTALL ONLY)
- ⊠ BIKE RACK (INSTALL ONLY)
- ▬ BENCH (INSTALL ONLY)
- BOLLARDS (INSTALL ONLY)

BEGIN PROJECT
STA. 32+81.23

END PROJECT
STA. 36+87.90



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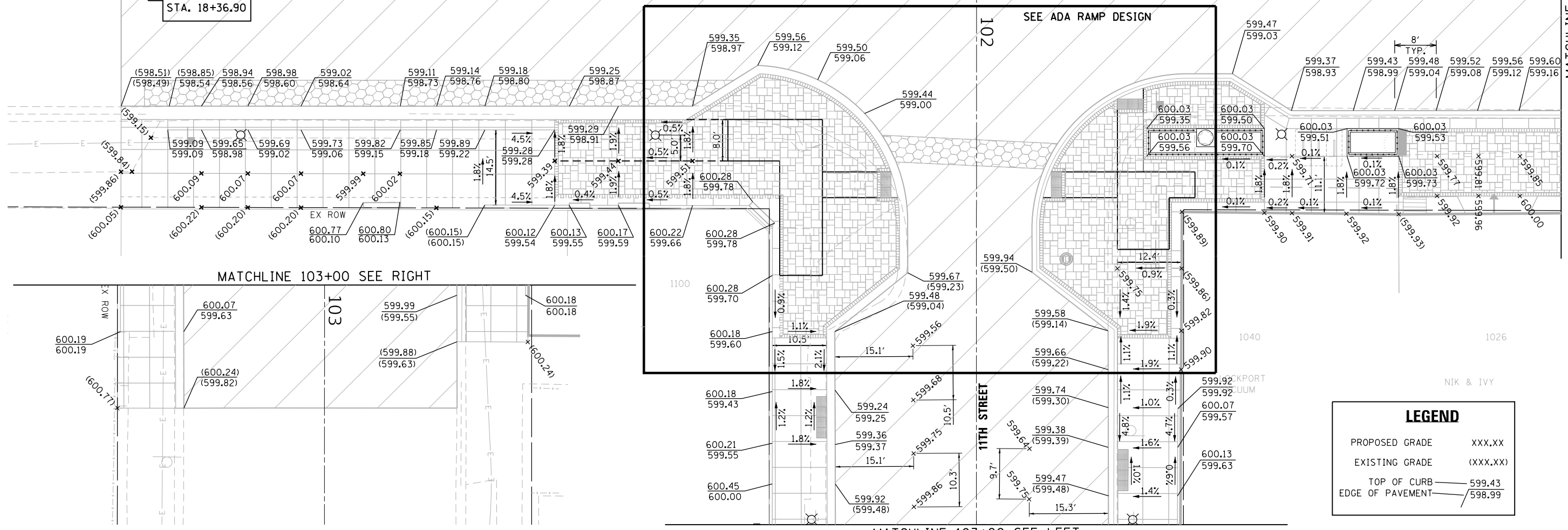
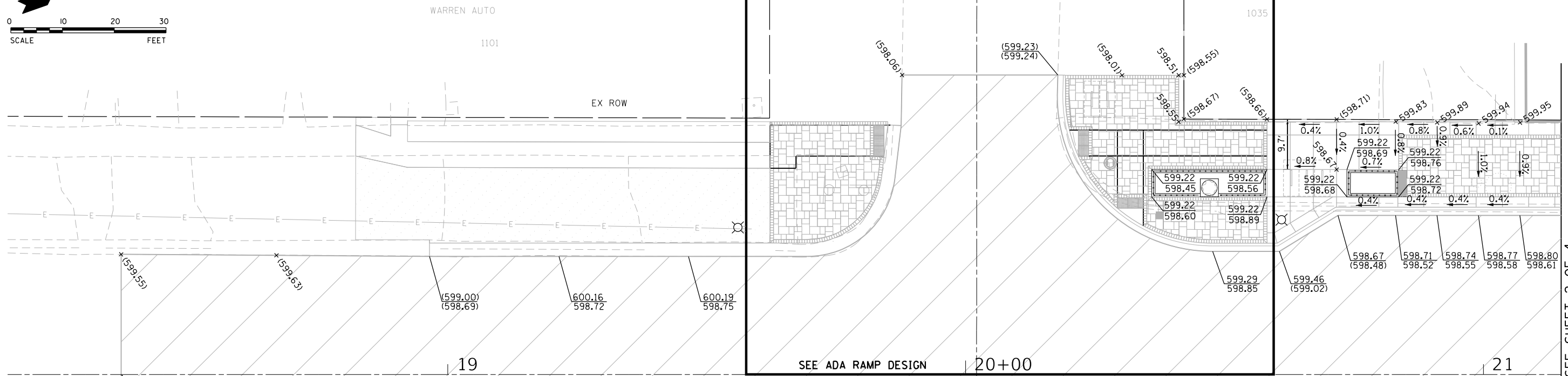
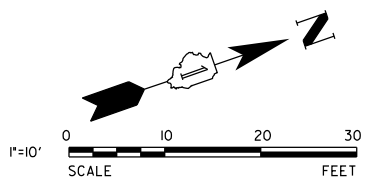
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PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
HARDSCAPE PLAN**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 31+25.00 TO STA. 37+25.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 21
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



LEGEND	
PROPOSED GRADE	XXX.XX
EXISTING GRADE	(XXX.XX)
TOP OF CURB	599.43
EDGE OF PAVEMENT	598.99



USER NAME = msladek	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

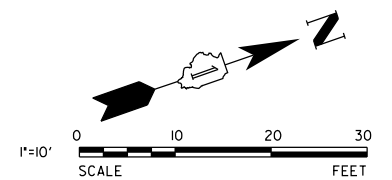
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. STATE STREET
GRADING PLAN

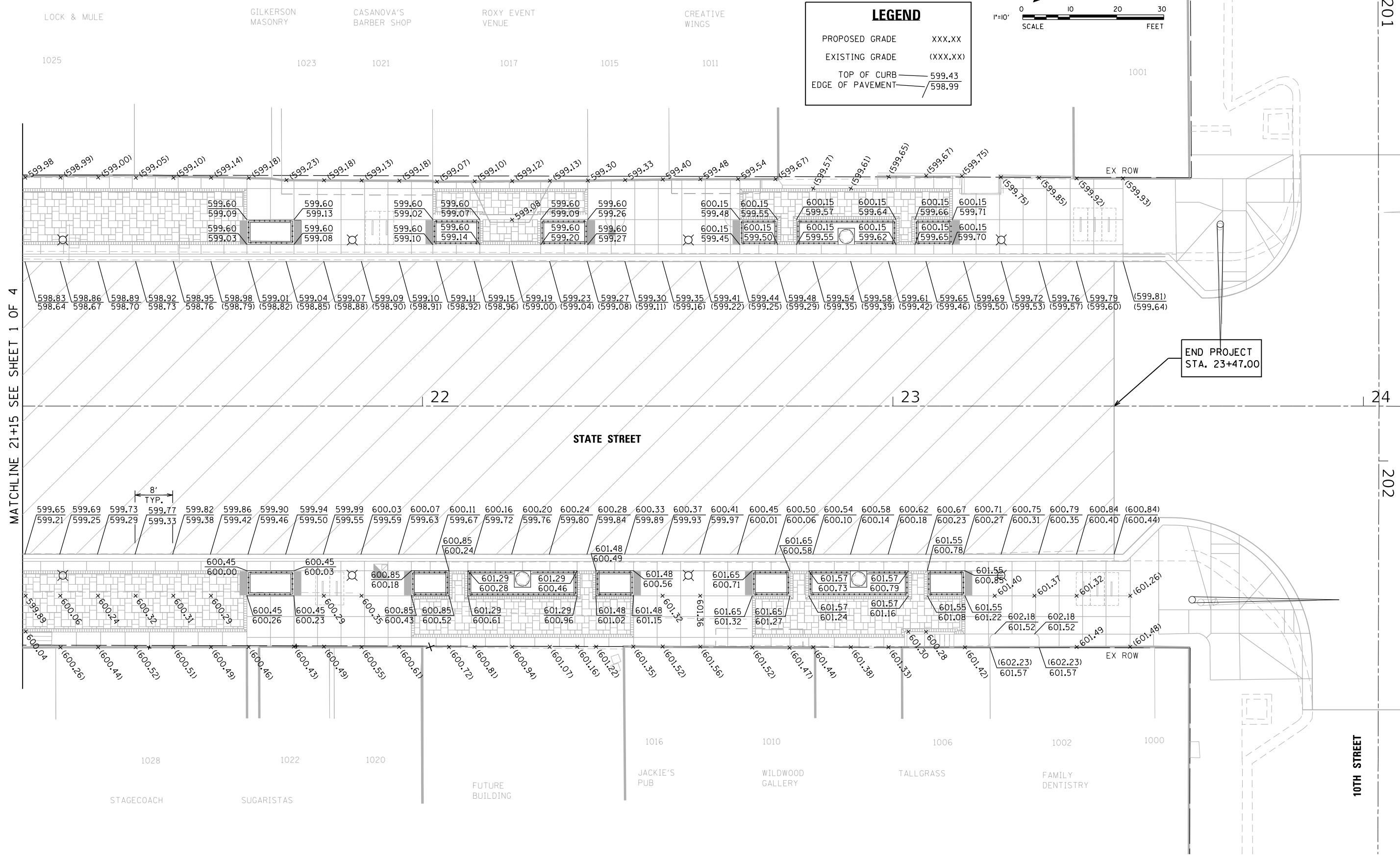
SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 18+15.00 TO STA. 21+15.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 22
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

MATCHLINE 21+15 SEE SHEET 2 OF 4



LEGEND	
PROPOSED GRADE	XXX.XX
EXISTING GRADE	(XXX.XX)
TOP OF CURB	599.43
EDGE OF PAVEMENT	598.99



MATCHLINE 21+15 SEE SHEET 1 OF 4

201

24

202



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630.724.9202 fax
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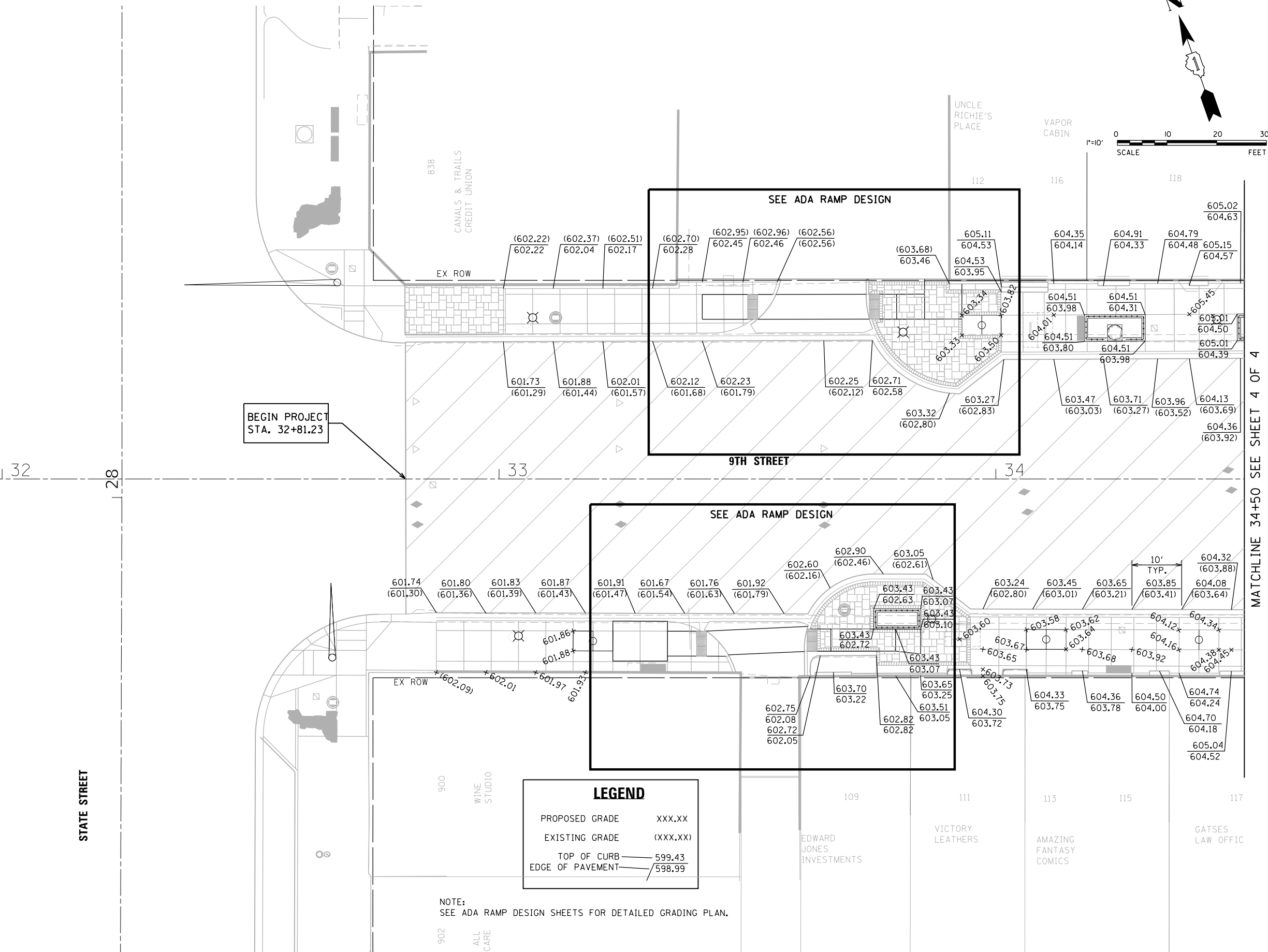
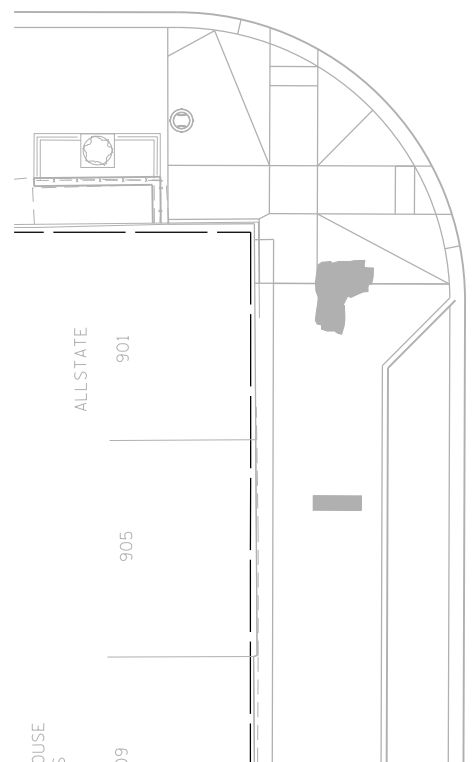
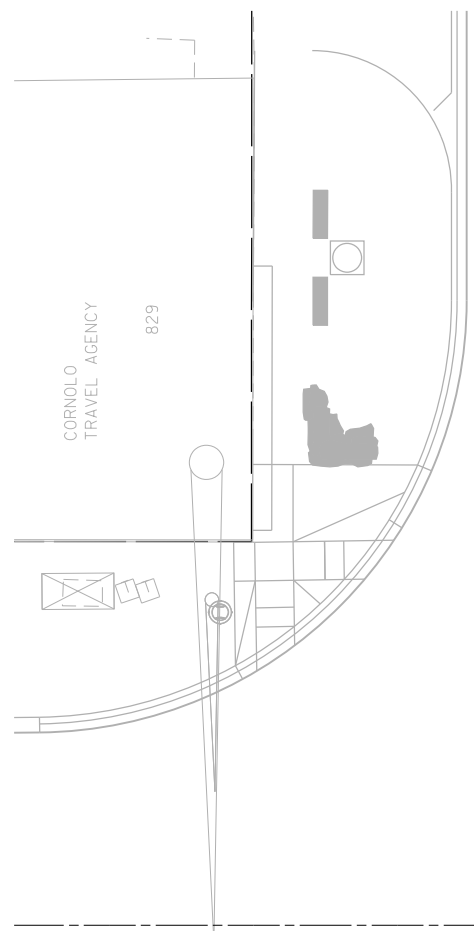
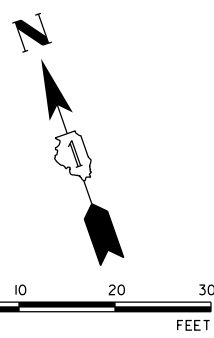
USER NAME = msladek	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**S. STATE STREET
GRADING PLAN**

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. 21+5.00 TO STA. 24+5.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G95	



BEGIN PROJECT
STA. 32+81.23

LEGEND

PROPOSED GRADE	XXX.XX
EXISTING GRADE	(XXX.XX)
TOP OF CURB	599.43
EDGE OF PAVEMENT	598.99

NOTE:
SEE ADA RAMP DESIGN SHEETS FOR DETAILED GRADING PLAN.

MATCHLINE 34+50 SEE SHEET 4 OF 4



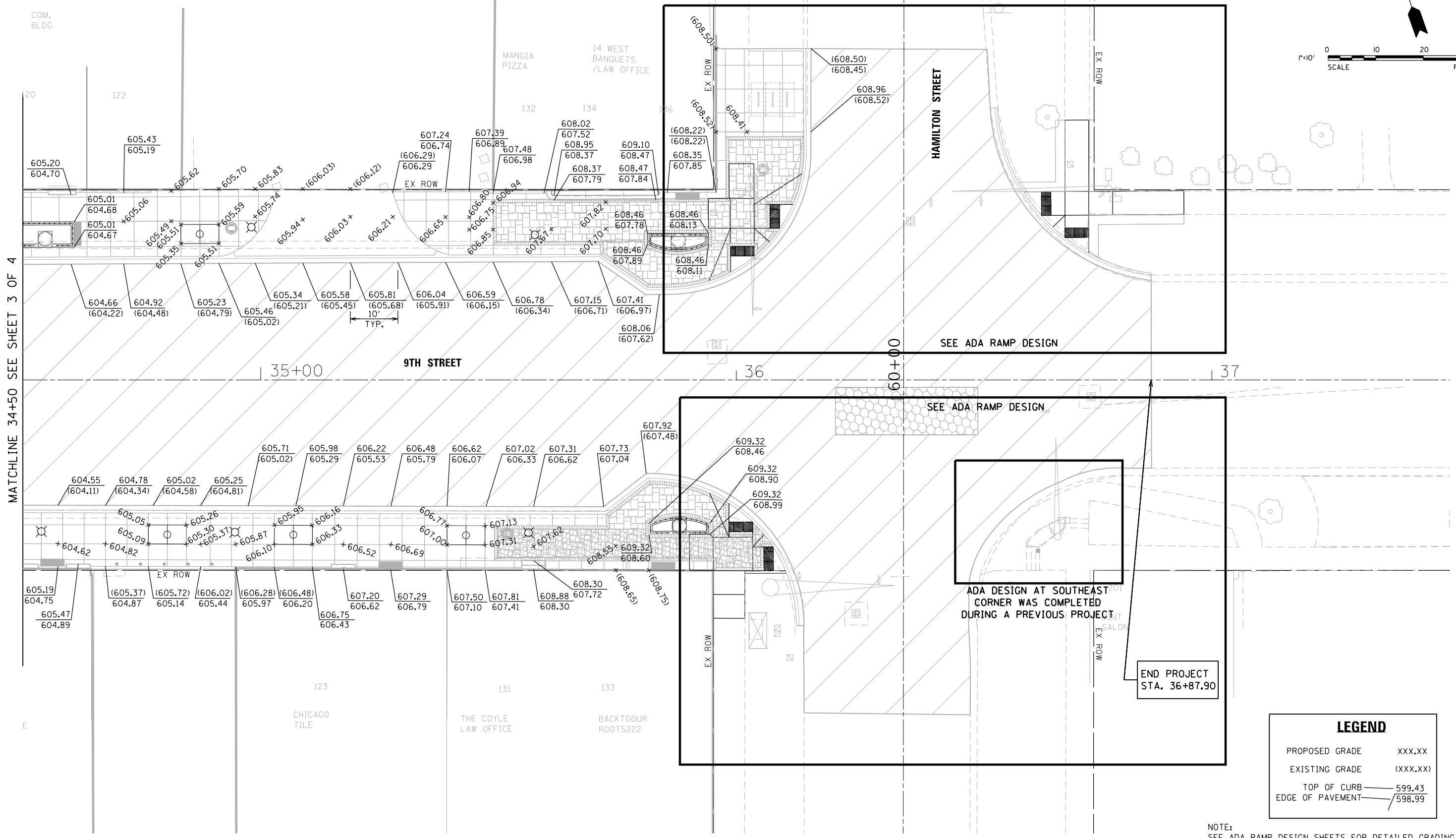
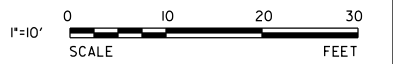
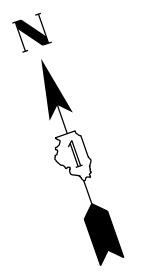
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PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
GRADING PLAN**

SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. 31+50.00 TO STA. 34+50.00

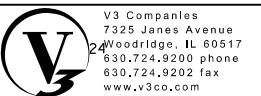
F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 24
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



MATCHLINE 34+50 SEE SHEET 3 OF 4

LEGEND	
PROPOSED GRADE	XXX.XX
EXISTING GRADE	(XXX.XX)
TOP OF CURB	599.43
EDGE OF PAVEMENT	598.99

NOTE:
SEE ADA RAMP DESIGN SHEETS FOR DETAILED GRADING PLAN.



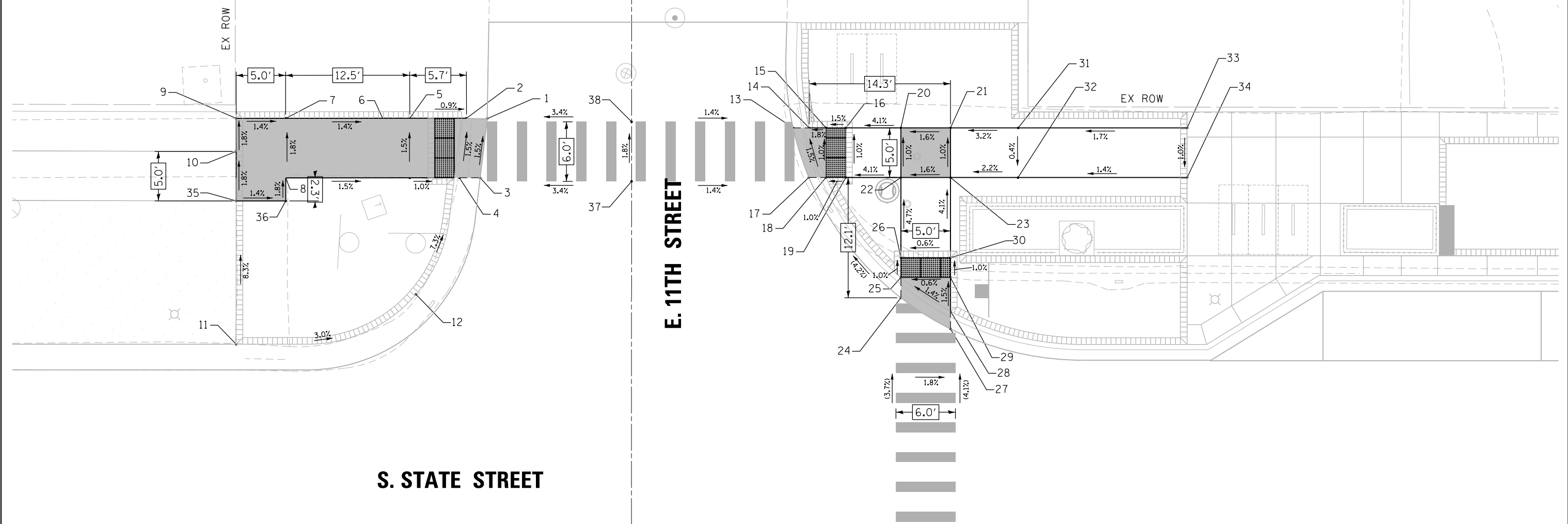
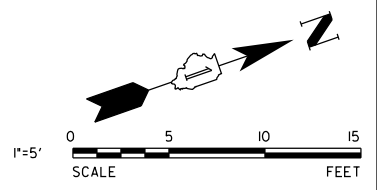
USER NAME = msladek	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
GRADING PLAN**

SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. 34+50.00 TO STA. 34+50.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 25
			CONTRACT NO. 61G95	
ILLINOIS FED. AID PROJECT				



S. STATE STREET

E. 11TH STREET

STATE STREET ADA RAMP ELEVATION TABLE			
POINT NO.:	STATION	OFFSET	ELEVATION
1	19+87.55	48.14 LT	M.E. (597.58)
2	19+85.47	48.18 LT	M.E. (597.57)
3	19+86.85	42.18 LT	597.67
4	19+84.75	42.18 LT	597.66
5	19+79.75	48.18 LT	M.E. (597.62)
6	19+79.75	42.18 LT	597.71
7	19+67.22	48.17 LT	M.E. (597.79)
8	19+67.23	42.17 LT	M.E. (597.90)
9	19+62.22	48.17 LT	M.E. (597.86)
10	19+62.23	44.84 LT	597.92
11	19+62.23	25.40 LT	599.21
12	19+80.37	30.42 LT	598.57
13	20+18.42	47.21 LT	597.85

STATE STREET ADA RAMP ELEVATION TABLE			
POINT NO.:	STATION	OFFSET	ELEVATION
14	20+20.05	47.21 LT	597.84
15	20+21.74	47.21 LT	597.87
16	20+23.74	47.21 LT	597.90
17	20+20.02	42.21 LT	M.E. (597.94)
18	20+21.74	42.21 LT	597.93
19	20+23.74	42.21 LT	597.95
20	20+29.30	47.21 LT	598.13
21	20+34.30	47.21 LT	598.21
22	20+29.30	42.21 LT	598.18
23	20+34.30	42.21 LT	598.26
24	20+29.30	30.09 LT	M.E. (598.60)
25	20+29.30	32.12 LT	598.59
26	20+29.30	34.12 LT	598.56

STATE STREET ADA RAMP ELEVATION TABLE			
POINT NO.:	STATION	OFFSET	ELEVATION
27	20+34.30	26.94 LT	M.E. (598.68)
28	20+34.30	28.72 LT	598.67
29	20+34.30	32.12 LT	598.62
30	24+34.30	34.12 LT	598.59
31	20+41.14	47.21 LT	598.43
32	20+41.12	42.19 LT	598.41
33	20+58.19	47.12 LT	598.62
34	20+58.19	42.21 LT	598.57
35	19+62.23	39.84 LT	598.01
36	19+67.23	39.84 LT	597.94
37	20+02.13	41.81 LT	598.19
38	20+02.13	47.81 LT	598.08

LEGEND

- DETECTABLE WARNING
- PROPOSED SIDE CURB
- (XXX.XX) EXISTING ELEVATION / SLOPE
- TURNING SPACE / LEVEL LANDING

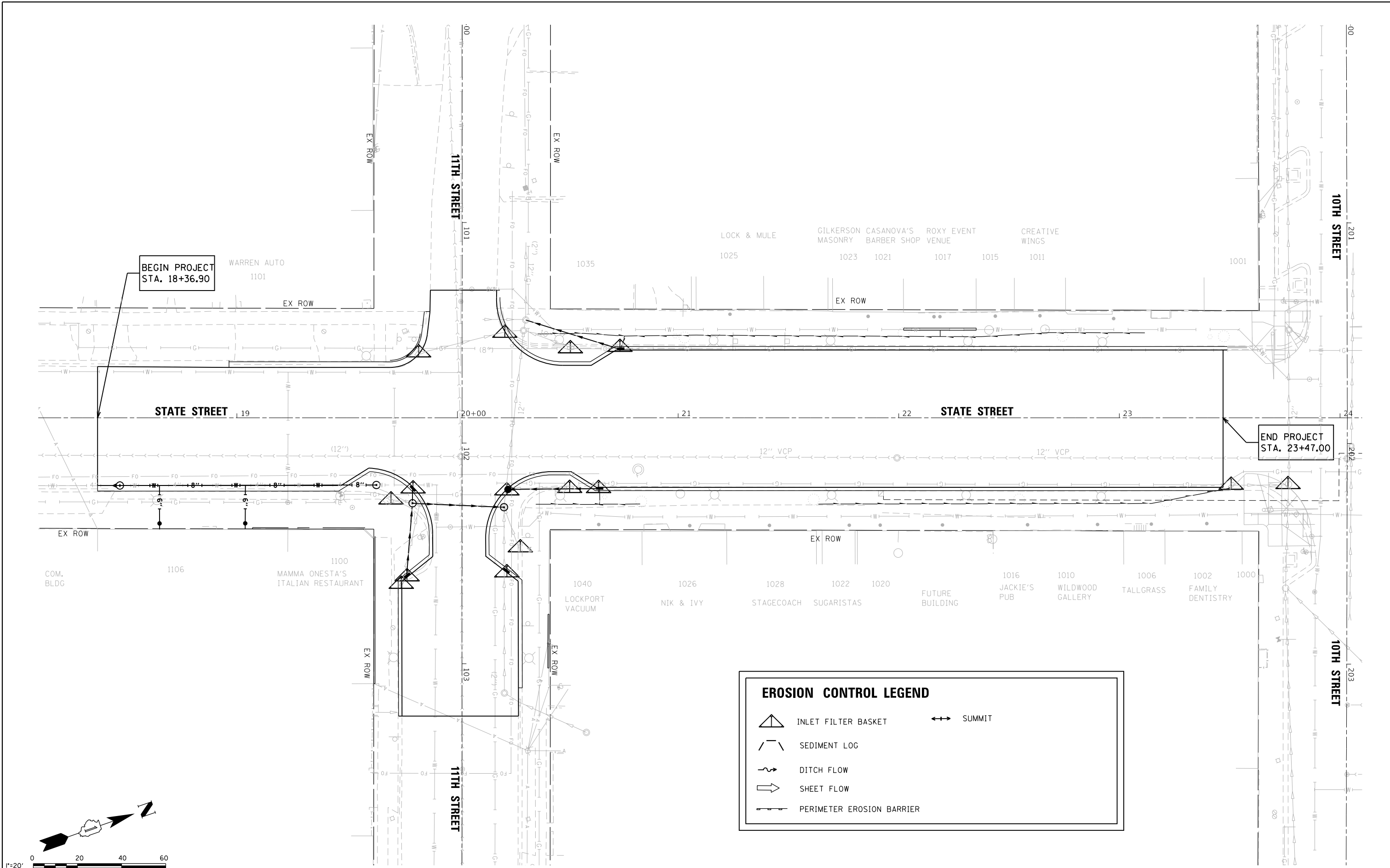


USER NAME = msladek	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

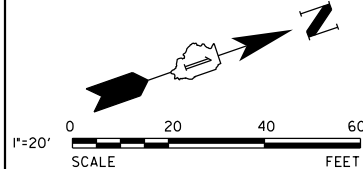
S. STATE STREET ADA RAMP DESIGN	
SCALE: 1" = 5'	SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 26
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	









EROSION CONTROL LEGEND

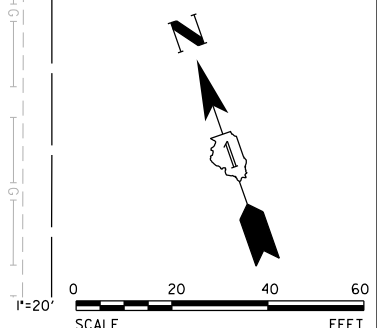
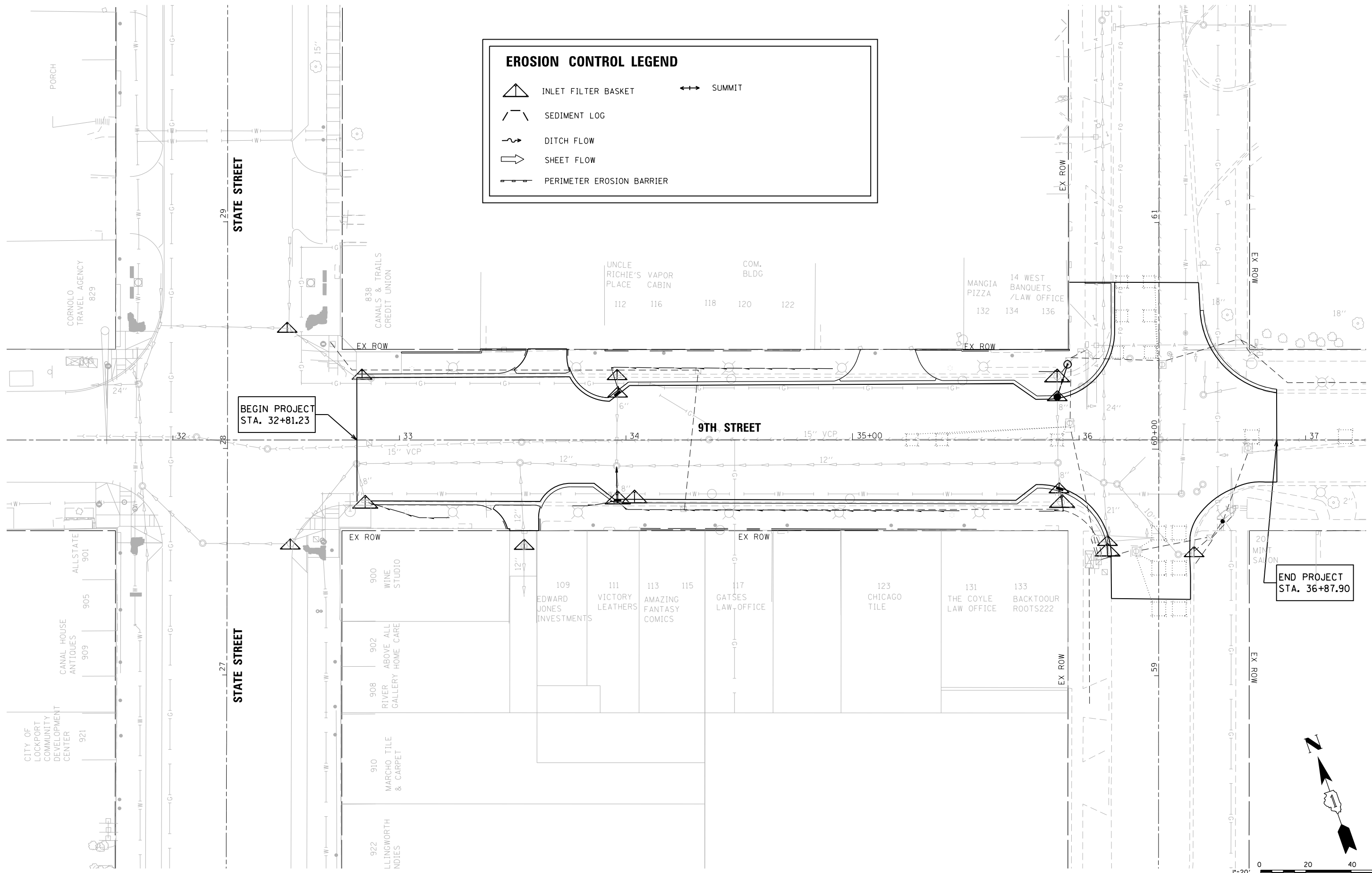
- INLET FILTER BASKET
- SEDIMENT LOG
- DITCH FLOW
- SHEET FLOW
- PERIMETER EROSION BARRIER
- SUMMIT



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = msladek	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	S. STATE STREET EROSION CONTROL PLAN	F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 32
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SCALE: 1" = 20'	SHEET 1 OF 2 SHEETS	STA. 18+10.00 TO STA. 24+10.00	CONTRACT NO. 61G95	
	PLOT DATE = 3/11/2021	DATE -	REVISED -							

EROSION CONTROL LEGEND

 INLET FILTER BASKET  SEDIMENT LOG  DITCH FLOW  SHEET FLOW  PERIMETER EROSION BARRIER	 SUMMIT
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 Woodridge, IL 60517
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USER NAME = msladek	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
 EROSION CONTROL PLAN**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 31+25.00 TO STA. 37+25.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 33
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

DRAINAGE & UTILITY LEGEND

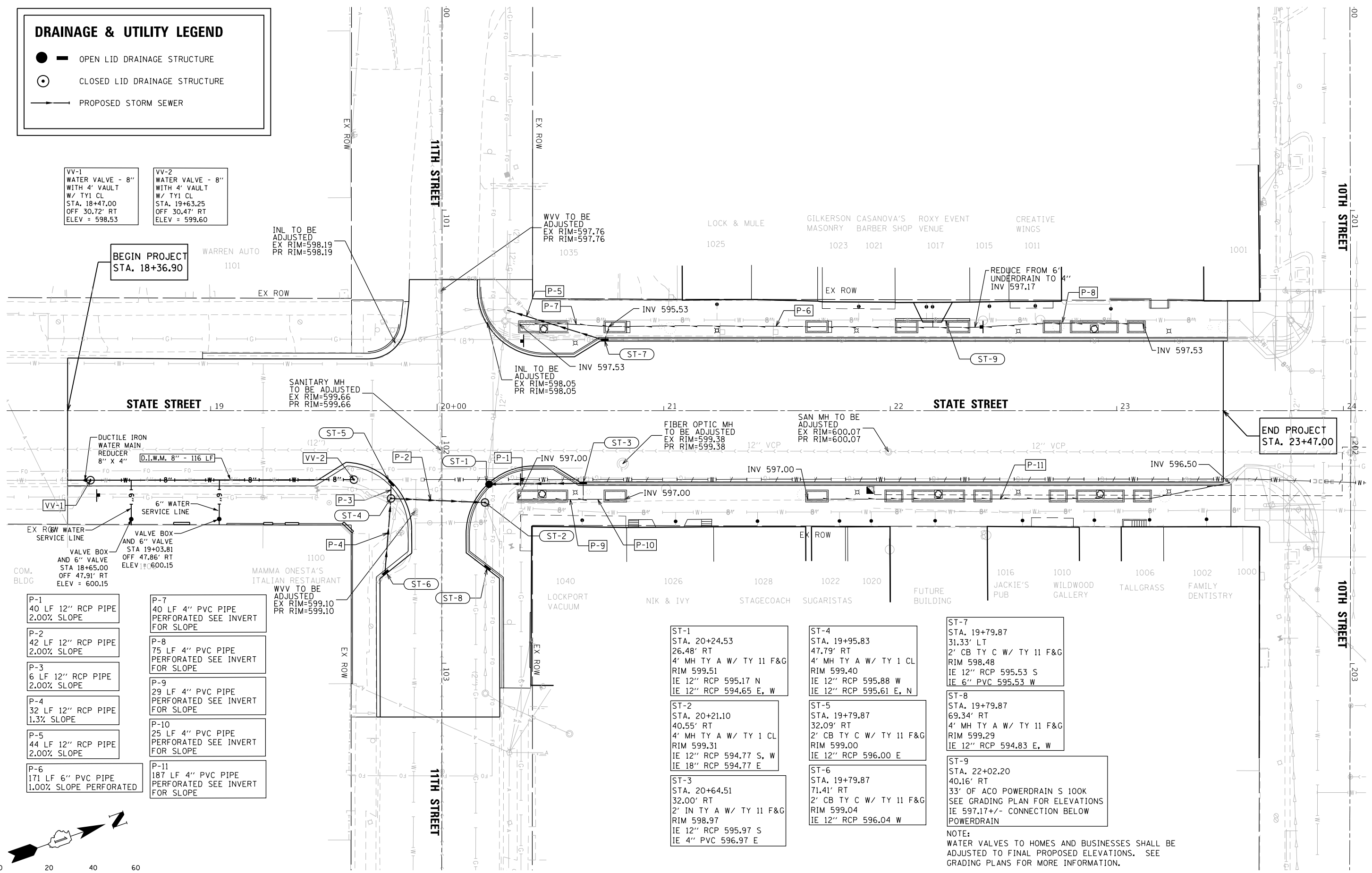
- — OPEN LID DRAINAGE STRUCTURE
- — CLOSED LID DRAINAGE STRUCTURE
- — PROPOSED STORM SEWER

VV-1
WATER VALVE - 8"
WITH 4' VAULT
W/ TY1 CL
STA. 18+47.00
OFF 30.72' RT
ELEV = 598.53

VV-2
WATER VALVE - 8"
WITH 4' VAULT
W/ TY1 CL
STA. 19+63.25
OFF 30.47' RT
ELEV = 599.60

BEGIN PROJECT
STA. 18+36.90

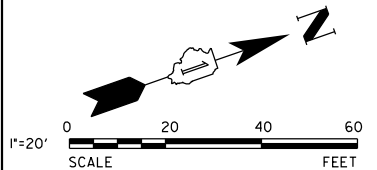
END PROJECT
STA. 23+47.00



- P-1
40 LF 12" RCP PIPE
2.00% SLOPE
- P-2
42 LF 12" RCP PIPE
2.00% SLOPE
- P-3
6 LF 12" RCP PIPE
2.00% SLOPE
- P-4
32 LF 12" RCP PIPE
1.3% SLOPE
- P-5
44 LF 12" RCP PIPE
2.00% SLOPE
- P-6
171 LF 6" PVC PIPE
1.00% SLOPE PERFORATED
- P-7
40 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE
- P-8
75 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE
- P-9
29 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE
- P-10
25 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE
- P-11
187 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE

- ST-1
STA. 20+24.53
26.48' RT
4' MH TY A W/ TY 11 F&G
RIM 599.51
IE 12" RCP 595.17 N
IE 12" RCP 594.65 E, W
- ST-2
STA. 20+21.10
40.55' RT
4' MH TY A W/ TY 1 CL
RIM 599.31
IE 12" RCP 594.77 S, W
IE 18" RCP 594.77 E
- ST-3
STA. 20+64.51
32.00' RT
2' IN TY A W/ TY 11 F&G
RIM 598.97
IE 12" RCP 595.97 S
IE 4" PVC 596.97 E
- ST-4
STA. 19+95.83
47.79' RT
4' MH TY A W/ TY 1 CL
RIM 599.40
IE 12" RCP 595.88 W
IE 12" RCP 595.61 E, N
- ST-5
STA. 19+79.87
32.09' RT
2' CB TY C W/ TY 11 F&G
RIM 599.00
IE 12" RCP 596.00 E
- ST-6
STA. 19+79.87
71.41' RT
2' CB TY C W/ TY 11 F&G
RIM 599.04
IE 12" RCP 596.04 W
- ST-7
STA. 19+79.87
31.33' LT
2' CB TY C W/ TY 11 F&G
RIM 598.48
IE 12" RCP 595.53 S
IE 6" PVC 595.53 W
- ST-8
STA. 19+79.87
69.34' RT
4' MH TY A W/ TY 11 F&G
RIM 599.29
IE 12" RCP 594.83 E, W
- ST-9
STA. 22+02.20
40.16' RT
33' OF ACO POWERDRAIN S 100K
SEE GRADING PLAN FOR ELEVATIONS
IE 597.17 +/- CONNECTION BELOW
POWERDRAIN

NOTE:
WATER VALVES TO HOMES AND BUSINESSES SHALL BE
ADJUSTED TO FINAL PROPOSED ELEVATIONS. SEE
GRADING PLANS FOR MORE INFORMATION.



DRAINAGE & UTILITY LEGEND

- OPEN LID DRAINAGE STRUCTURE
- CLOSED LID DRAINAGE STRUCTURE
- PROPOSED STORM SEWER

ST-9
STA. 33+96.20
20.57' LT
2' CB TY C W/ TY 11 F&G
RIM 602.81
IE EX PIPE 600.67 +/-
IE 4" PVC 600.67 N

ST-12
STA. 35+94.92
33.38' LT
2' CB TY C W/ TY 1 CL
RIM 608.13
IE 8" PVC 605.54 NE, S
IE 4" PVC 605.75 W

P-14
15 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE

P-15
21 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE

P-19
37 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE

ST-10
STA. 33+96.34
26.68' RT
2' CB TY C W/ TY 11 F&G
RIM 602.80
IE EX PIPE 599.50 +/-
IE 4" PVC 599.50 S

ST-13
STA. 35+91.52
21.61' RT
2' CB TY C W/ TY 11 F&G
RIM 607.87
IE EX PIPE 604.57 +/-
IE 4" PVC 604.75 SW

P-16
152 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE

P-17
15 LF 8" PVC PIPE
2.50% SLOPE

P-18
15 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE

P-12
109 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE

P-13
19 LF 4" PVC PIPE
PERFORATED SEE INVERT
FOR SLOPE

NOTE:
WATER VALVES TO HOMES AND BUSINESSES SHALL BE
ADJUSTED TO FINAL PROPOSED ELEVATIONS. SEE
GRADING PLANS FOR MORE INFORMATION.

STMH TO BE
ADJUSTED
EX RIM=609.05
PR RIM=609.05

WV TO BE
ADJUSTED
EX RIM=610.17
PR RIM=610.17

WV TO BE
ADJUSTED
EX RIM=609.71
PR RIM=609.71

STMH TO BE
ADJUSTED
EX RIM=610.92
PR RIM=610.92

SAN MH TO BE
ADJUSTED
EX RIM=610.00
PR RIM=610.00

END PROJECT
STA. 36+87.90

STMH TO BE
ADJUSTED
EX RIM=601.61
PR RIM=601.61

STMH TO BE
ADJUSTED
EX RIM=603.02
PR RIM=603.02

STMH TO BE
ADJUSTED
EX RIM=607.93
PR RIM=607.93

SAN MH TO BE
ADJUSTED
EX RIM=602.72
PR RIM=602.72

SAN MH TO BE
ADJUSTED
EX RIM=604.18
PR RIM=604.18

INL TO BE
ADJUSTED
EX RIM=611.20
PR RIM=611.20

STMH TO BE
ADJUSTED
EX RIM=611.32
PR RIM=611.32

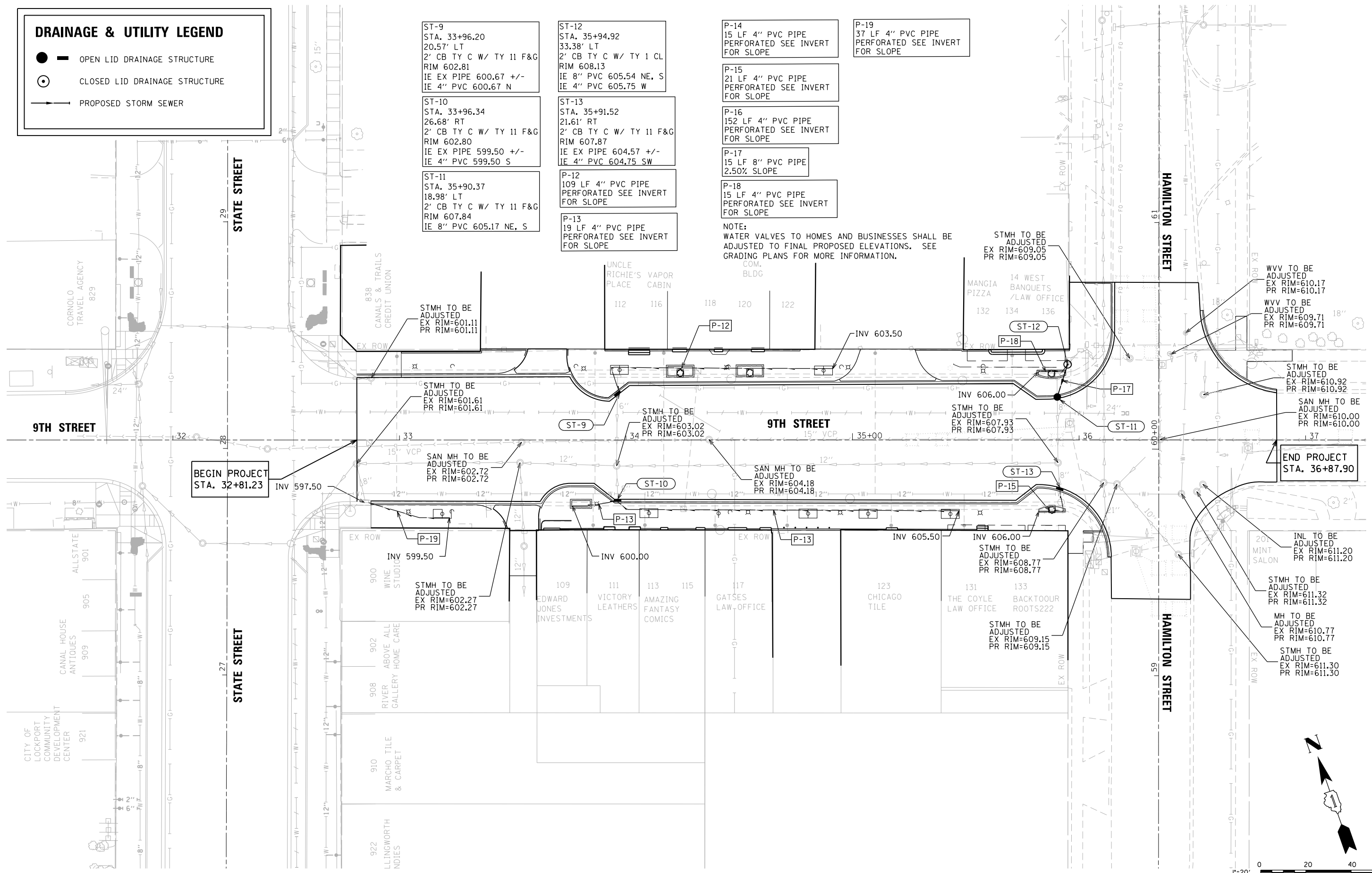
MH TO BE
ADJUSTED
EX RIM=610.77
PR RIM=610.77

STMH TO BE
ADJUSTED
EX RIM=611.30
PR RIM=611.30

STMH TO BE
ADJUSTED
EX RIM=602.27
PR RIM=602.27

STMH TO BE
ADJUSTED
EX RIM=608.77
PR RIM=608.77

STMH TO BE
ADJUSTED
EX RIM=609.15
PR RIM=609.15



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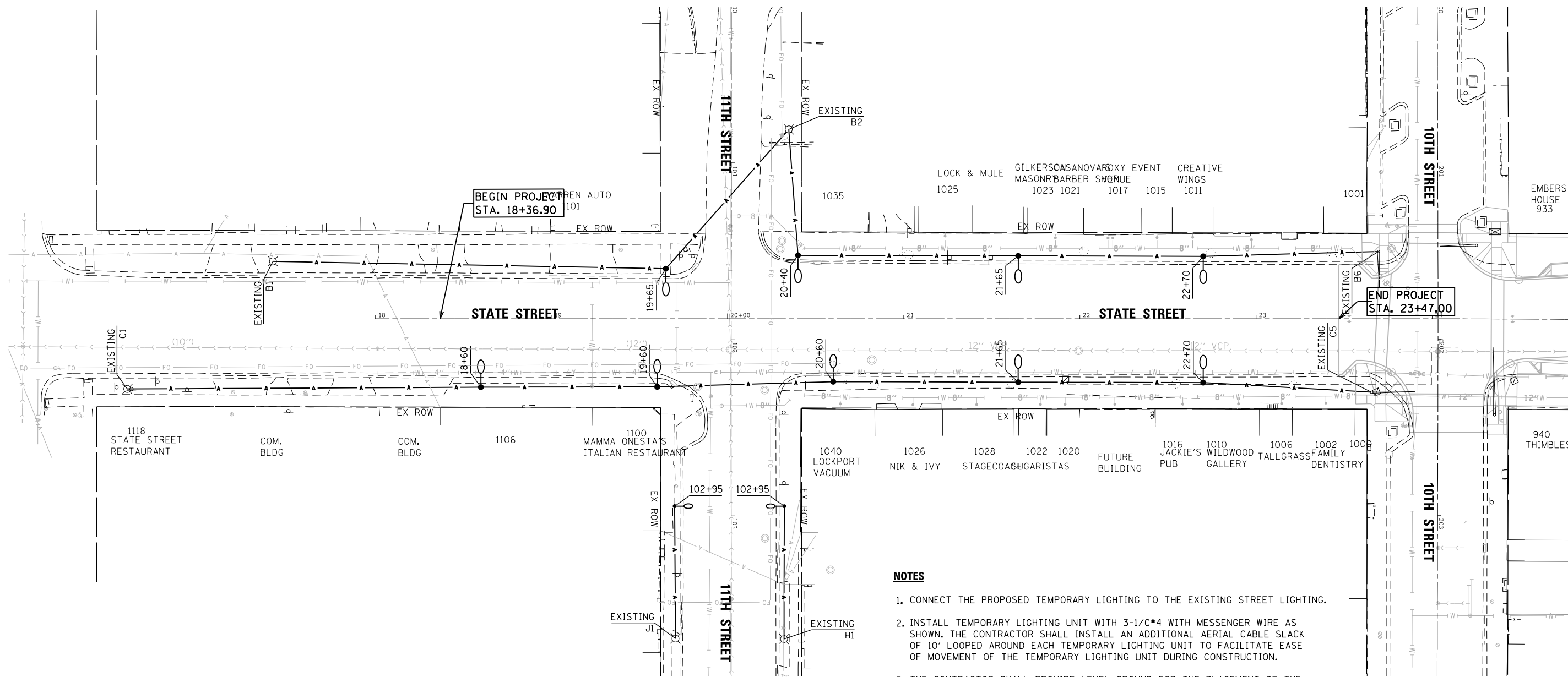
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PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
DRAINAGE AND UTILITY PLAN**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 32+81.23 TO STA. 36+94.11

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 35
			CONTRACT NO. 61G95	
ILLINOIS FED. AID PROJECT				



BEGIN PROJECT
STA. 18+36.90

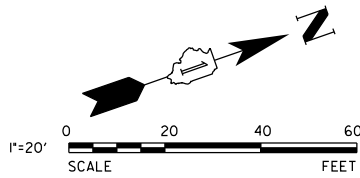
END PROJECT
STA. 23+47.00

NOTES

1. CONNECT THE PROPOSED TEMPORARY LIGHTING TO THE EXISTING STREET LIGHTING.
2. INSTALL TEMPORARY LIGHTING UNIT WITH 3-1/8" WITH MESSENGER WIRE AS SHOWN. THE CONTRACTOR SHALL INSTALL AN ADDITIONAL AERIAL CABLE SLACK OF 10' LOOPED AROUND EACH TEMPORARY LIGHTING UNIT TO FACILITATE EASE OF MOVEMENT OF THE TEMPORARY LIGHTING UNIT DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL PROVIDE LEVEL GROUND FOR THE PLACEMENT OF THE TEMPORARY LIGHTING FOUNDATION BLOCK. SEE ELECTRICAL DETAILS FOR TEMPORARY LIGHTING FOUNDATION BLOCK DETAILS.
4. SEE ELECTRICAL DETAILS FOR TEMPORARY LIGHTING POLE DETAIL.
5. WHEREVER THE TEMPORARY AERIAL CABLE IS TO CROSS AN EXISTING OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
6. ALL TEMPORARY LIGHT POLES FOUNDATIONS TO BE PLACED 5' FROM THE EDGE OF PAVEMENT.

LEGEND

 PROPOSED TEMPORARY LIGHTING UNIT



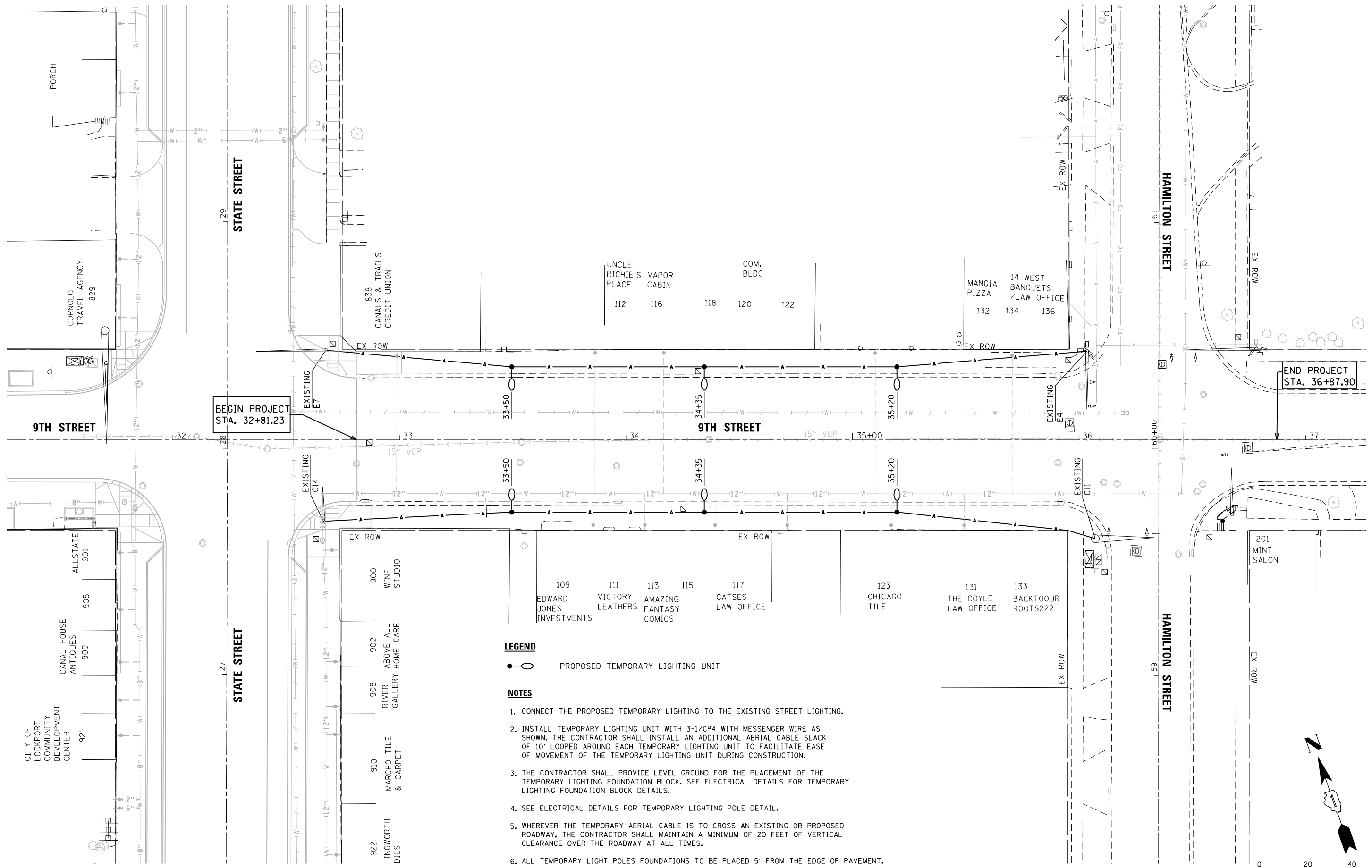
V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = msladek	DESIGNED -	REVISED -
	PLOT SCALE = 60.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 3/11/2021	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**S. STATE STREET
TEMPORARY LIGHTING PLAN**

SCALE: 1" = 30' SHEET 1 OF 2 SHEETS STA. 18+10.00 TO STA. 24+10.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 36
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



BEGIN PROJECT STA. 32+81.23

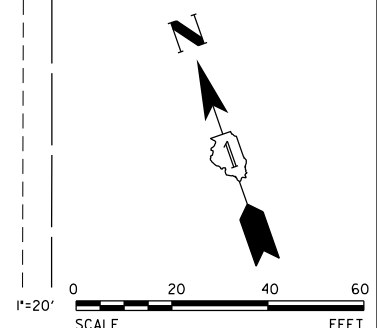
END PROJECT STA. 36+87.90

LEGEND

○ PROPOSED TEMPORARY LIGHTING UNIT

NOTES

1. CONNECT THE PROPOSED TEMPORARY LIGHTING TO THE EXISTING STREET LIGHTING.
2. INSTALL TEMPORARY LIGHTING UNIT WITH 3-1/C*4 WITH MESSENGER WIRE AS SHOWN. THE CONTRACTOR SHALL INSTALL AN ADDITIONAL AERIAL CABLE SLACK OF 10' LOOPED AROUND EACH TEMPORARY LIGHTING UNIT TO FACILITATE EASE OF MOVEMENT OF THE TEMPORARY LIGHTING UNIT DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL PROVIDE LEVEL GROUND FOR THE PLACEMENT OF THE TEMPORARY LIGHTING FOUNDATION BLOCK. SEE ELECTRICAL DETAILS FOR TEMPORARY LIGHTING FOUNDATION BLOCK DETAILS.
4. SEE ELECTRICAL DETAILS FOR TEMPORARY LIGHTING POLE DETAIL.
5. WHEREVER THE TEMPORARY AERIAL CABLE IS TO CROSS AN EXISTING OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
6. ALL TEMPORARY LIGHT POLES FOUNDATIONS TO BE PLACED 5' FROM THE EDGE OF PAVEMENT.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
TEMPORARY LIGHTING PLAN**

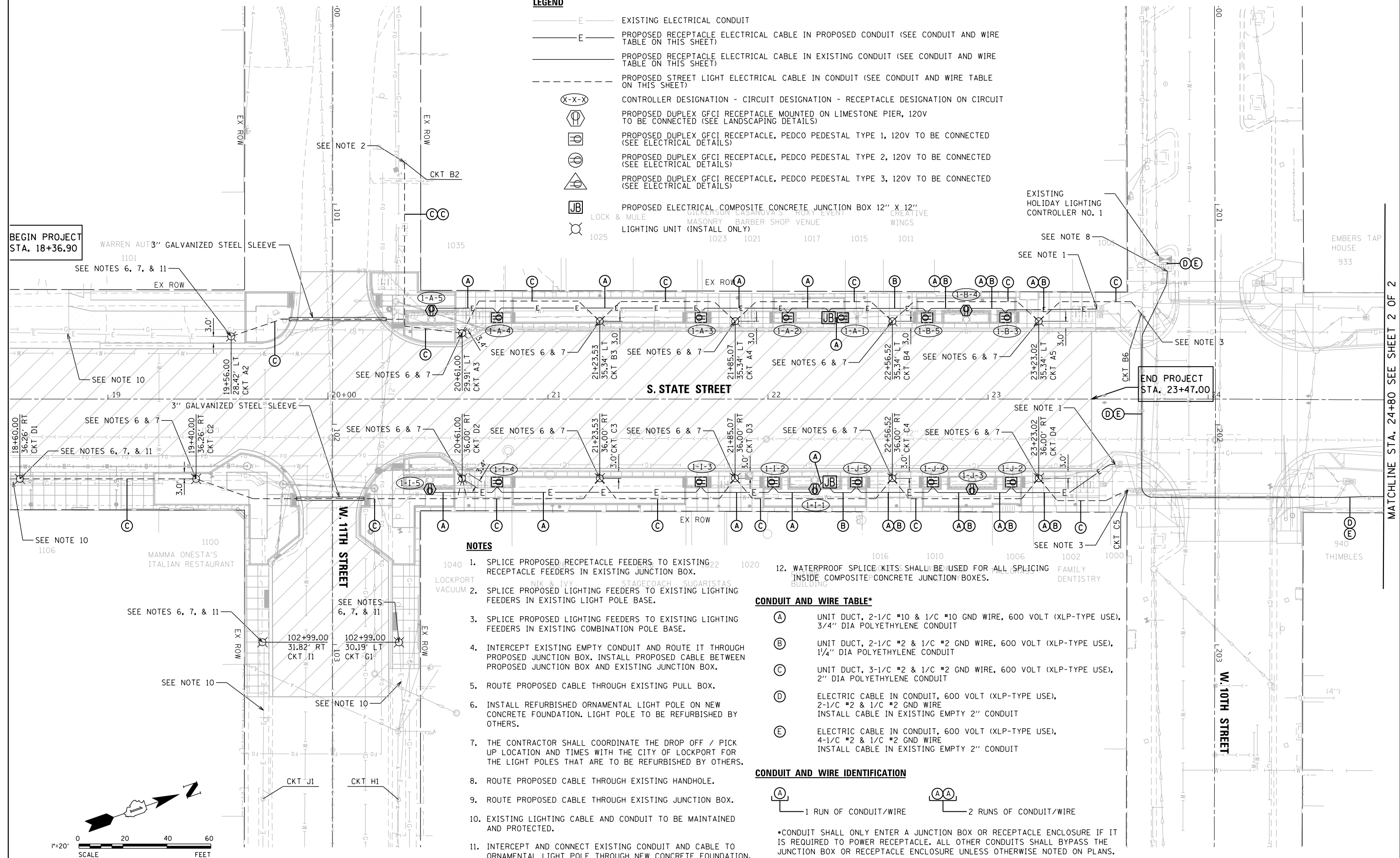
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 31+25.00 TO STA. 37+25.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 37
			CONTRACT NO. 61G95	
ILLINOIS FED. AID PROJECT				

- LEGEND**
- E — EXISTING ELECTRICAL CONDUIT
 - E — PROPOSED RECEPTACLE ELECTRICAL CABLE IN PROPOSED CONDUIT (SEE CONDUIT AND WIRE TABLE ON THIS SHEET)
 - E — PROPOSED RECEPTACLE ELECTRICAL CABLE IN EXISTING CONDUIT (SEE CONDUIT AND WIRE TABLE ON THIS SHEET)
 - - - - PROPOSED STREET LIGHT ELECTRICAL CABLE IN CONDUIT (SEE CONDUIT AND WIRE TABLE ON THIS SHEET)
 - (X-X-X) CONTROLLER DESIGNATION - CIRCUIT DESIGNATION - RECEPTACLE DESIGNATION ON CIRCUIT
 - (P) PROPOSED DUPLEX GFCI RECEPTACLE MOUNTED ON LIMESTONE PIER, 120V TO BE CONNECTED (SEE LANDSCAPING DETAILS)
 - (D) PROPOSED DUPLEX GFCI RECEPTACLE, PEDCO PEDESTAL TYPE 1, 120V TO BE CONNECTED (SEE ELECTRICAL DETAILS)
 - (E) PROPOSED DUPLEX GFCI RECEPTACLE, PEDCO PEDESTAL TYPE 2, 120V TO BE CONNECTED (SEE ELECTRICAL DETAILS)
 - (F) PROPOSED DUPLEX GFCI RECEPTACLE, PEDCO PEDESTAL TYPE 3, 120V TO BE CONNECTED (SEE ELECTRICAL DETAILS)
 - (JB) PROPOSED ELECTRICAL COMPOSITE CONCRETE JUNCTION BOX 12" X 12"
 - (L) LOCK & MULE LIGHTING UNIT (INSTALL ONLY)

BEGIN PROJECT STA. 18+36.90

END PROJECT STA. 23+47.00



NOTES

1. SPLICE PROPOSED RECEPTACLE FEEDERS TO EXISTING RECEPTACLE FEEDERS IN EXISTING JUNCTION BOX.
2. SPLICE PROPOSED LIGHTING FEEDERS TO EXISTING LIGHTING FEEDERS IN EXISTING LIGHT POLE BASE.
3. SPLICE PROPOSED LIGHTING FEEDERS TO EXISTING LIGHTING FEEDERS IN EXISTING COMBINATION POLE BASE.
4. INTERCEPT EXISTING EMPTY CONDUIT AND ROUTE IT THROUGH PROPOSED JUNCTION BOX. INSTALL PROPOSED CABLE BETWEEN PROPOSED JUNCTION BOX AND EXISTING JUNCTION BOX.
5. ROUTE PROPOSED CABLE THROUGH EXISTING PULL BOX.
6. INSTALL REFURBISHED ORNAMENTAL LIGHT POLE ON NEW CONCRETE FOUNDATION. LIGHT POLE TO BE REFURBISHED BY OTHERS.
7. THE CONTRACTOR SHALL COORDINATE THE DROP OFF / PICK UP LOCATION AND TIMES WITH THE CITY OF LOCKPORT FOR THE LIGHT POLES THAT ARE TO BE REFURBISHED BY OTHERS.
8. ROUTE PROPOSED CABLE THROUGH EXISTING HANDHOLE.
9. ROUTE PROPOSED CABLE THROUGH EXISTING JUNCTION BOX.
10. EXISTING LIGHTING CABLE AND CONDUIT TO BE MAINTAINED AND PROTECTED.
11. INTERCEPT AND CONNECT EXISTING CONDUIT AND CABLE TO ORNAMENTAL LIGHT POLE THROUGH NEW CONCRETE FOUNDATION.

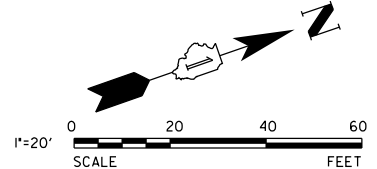
CONDUIT AND WIRE TABLE*

- (A) UNIT DUCT, 2-1/2" #10 & 1/2" #10 GND WIRE, 600 VOLT (XLP-TYPE USE), 3/4" DIA POLYETHYLENE CONDUIT
- (B) UNIT DUCT, 2-1/2" #2 & 1/2" #2 GND WIRE, 600 VOLT (XLP-TYPE USE), 1/4" DIA POLYETHYLENE CONDUIT
- (C) UNIT DUCT, 3-1/2" #2 & 1/2" #2 GND WIRE, 600 VOLT (XLP-TYPE USE), 2" DIA POLYETHYLENE CONDUIT
- (D) ELECTRIC CABLE IN CONDUIT, 600 VOLT (XLP-TYPE USE), 2-1/2" #2 & 1/2" #2 GND WIRE
INSTALL CABLE IN EXISTING EMPTY 2" CONDUIT
- (E) ELECTRIC CABLE IN CONDUIT, 600 VOLT (XLP-TYPE USE), 4-1/2" #2 & 1/2" #2 GND WIRE
INSTALL CABLE IN EXISTING EMPTY 2" CONDUIT

CONDUIT AND WIRE IDENTIFICATION

- (A) 1 RUN OF CONDUIT/WIRE
- (AA) 2 RUNS OF CONDUIT/WIRE

*CONDUIT SHALL ONLY ENTER A JUNCTION BOX OR RECEPTACLE ENCLOSURE IF IT IS REQUIRED TO POWER RECEPTACLE. ALL OTHER CONDUITS SHALL BYPASS THE JUNCTION BOX OR RECEPTACLE ENCLOSURE UNLESS OTHERWISE NOTED ON PLANS.



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PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

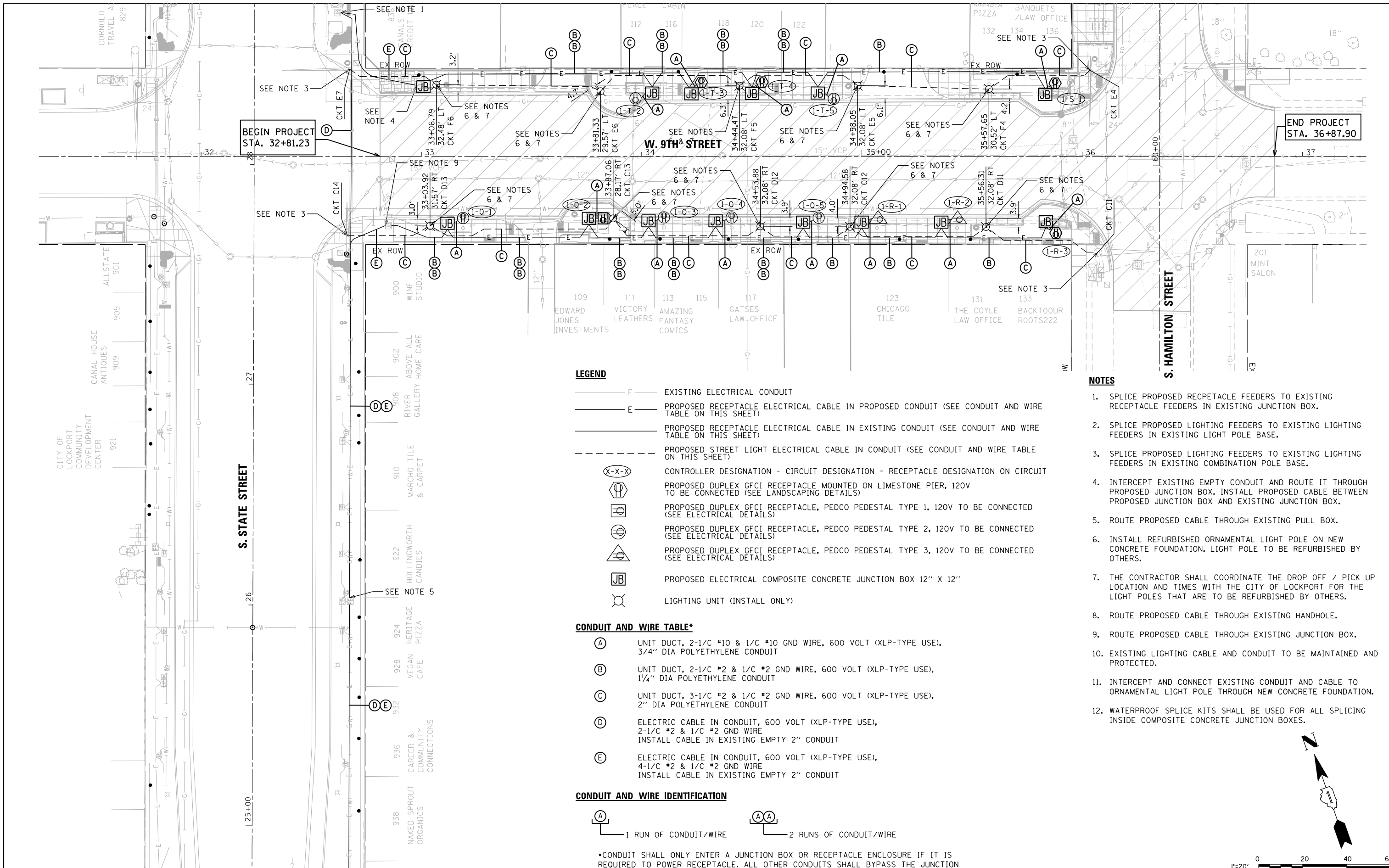
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. STATE STREET
LIGHTING AND ELECTRICAL PLAN

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 18+36.90 TO STA. 24+80.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 38
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

MATCHLINE STA. 24+80 SEE SHEET 2 OF 2



LEGEND

- E — EXISTING ELECTRICAL CONDUIT
- E — PROPOSED RECEPTACLE ELECTRICAL CABLE IN PROPOSED CONDUIT (SEE CONDUIT AND WIRE TABLE ON THIS SHEET)
- E — PROPOSED RECEPTACLE ELECTRICAL CABLE IN EXISTING CONDUIT (SEE CONDUIT AND WIRE TABLE ON THIS SHEET)
- - - PROPOSED STREET LIGHT ELECTRICAL CABLE IN CONDUIT (SEE CONDUIT AND WIRE TABLE ON THIS SHEET)
- (X-X-X) CONTROLLER DESIGNATION - CIRCUIT DESIGNATION - RECEPTACLE DESIGNATION ON CIRCUIT
- (P) PROPOSED DUPLEX GFCI RECEPTACLE MOUNTED ON LIMESTONE PIER, 120V TO BE CONNECTED (SEE LANDSCAPING DETAILS)
- (P) PROPOSED DUPLEX GFCI RECEPTACLE, PEDCO PEDESTAL TYPE 1, 120V TO BE CONNECTED (SEE ELECTRICAL DETAILS)
- (P) PROPOSED DUPLEX GFCI RECEPTACLE, PEDCO PEDESTAL TYPE 2, 120V TO BE CONNECTED (SEE ELECTRICAL DETAILS)
- (P) PROPOSED DUPLEX GFCI RECEPTACLE, PEDCO PEDESTAL TYPE 3, 120V TO BE CONNECTED (SEE ELECTRICAL DETAILS)
- (JB) PROPOSED ELECTRICAL COMPOSITE CONCRETE JUNCTION BOX 12" X 12"
- (L) LIGHTING UNIT (INSTALL ONLY)

CONDUIT AND WIRE TABLE*

- (A) UNIT DUCT, 2-1/C #10 & 1/C #10 GND WIRE, 600 VOLT (XLP-TYPE USE), 3/4" DIA POLYETHYLENE CONDUIT
- (B) UNIT DUCT, 2-1/C #2 & 1/C #2 GND WIRE, 600 VOLT (XLP-TYPE USE), 1/4" DIA POLYETHYLENE CONDUIT
- (C) UNIT DUCT, 3-1/C #2 & 1/C #2 GND WIRE, 600 VOLT (XLP-TYPE USE), 2" DIA POLYETHYLENE CONDUIT
- (D) ELECTRIC CABLE IN CONDUIT, 600 VOLT (XLP-TYPE USE), 2-1/C #2 & 1/C #2 GND WIRE
INSTALL CABLE IN EXISTING EMPTY 2" CONDUIT
- (E) ELECTRIC CABLE IN CONDUIT, 600 VOLT (XLP-TYPE USE), 4-1/C #2 & 1/C #2 GND WIRE
INSTALL CABLE IN EXISTING EMPTY 2" CONDUIT

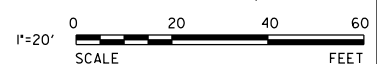
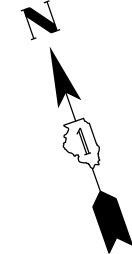
CONDUIT AND WIRE IDENTIFICATION

- (A) — 1 RUN OF CONDUIT/WIRE
- (A A) — 2 RUNS OF CONDUIT/WIRE

*CONDUIT SHALL ONLY ENTER A JUNCTION BOX OR RECEPTACLE ENCLOSURE IF IT IS REQUIRED TO POWER RECEPTACLE. ALL OTHER CONDUITS SHALL BYPASS THE JUNCTION BOX OR RECEPTACLE ENCLOSURE UNLESS OTHERWISE NOTED ON PLANS.

NOTES

1. SPLICE PROPOSED RECEPTACLE FEEDERS TO EXISTING RECEPTACLE FEEDERS IN EXISTING JUNCTION BOX.
2. SPLICE PROPOSED LIGHTING FEEDERS TO EXISTING LIGHTING FEEDERS IN EXISTING LIGHT POLE BASE.
3. SPLICE PROPOSED LIGHTING FEEDERS TO EXISTING LIGHTING FEEDERS IN EXISTING COMBINATION POLE BASE.
4. INTERCEPT EXISTING EMPTY CONDUIT AND ROUTE IT THROUGH PROPOSED JUNCTION BOX. INSTALL PROPOSED CABLE BETWEEN PROPOSED JUNCTION BOX AND EXISTING JUNCTION BOX.
5. ROUTE PROPOSED CABLE THROUGH EXISTING PULL BOX.
6. INSTALL REFURBISHED ORNAMENTAL LIGHT POLE ON NEW CONCRETE FOUNDATION. LIGHT POLE TO BE REFURBISHED BY OTHERS.
7. THE CONTRACTOR SHALL COORDINATE THE DROP OFF / PICK UP LOCATION AND TIMES WITH THE CITY OF LOCKPORT FOR THE LIGHT POLES THAT ARE TO BE REFURBISHED BY OTHERS.
8. ROUTE PROPOSED CABLE THROUGH EXISTING HANDHOLE.
9. ROUTE PROPOSED CABLE THROUGH EXISTING JUNCTION BOX.
10. EXISTING LIGHTING CABLE AND CONDUIT TO BE MAINTAINED AND PROTECTED.
11. INTERCEPT AND CONNECT EXISTING CONDUIT AND CABLE TO ORNAMENTAL LIGHT POLE THROUGH NEW CONCRETE FOUNDATION.
12. WATERPROOF SPLICE KITS SHALL BE USED FOR ALL SPLICING INSIDE COMPOSITE CONCRETE JUNCTION BOXES.



MATCHLINE STA. 24+80 SEE SHEET 1 OF 2



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
LIGHTING AND ELECTRICAL PLAN**

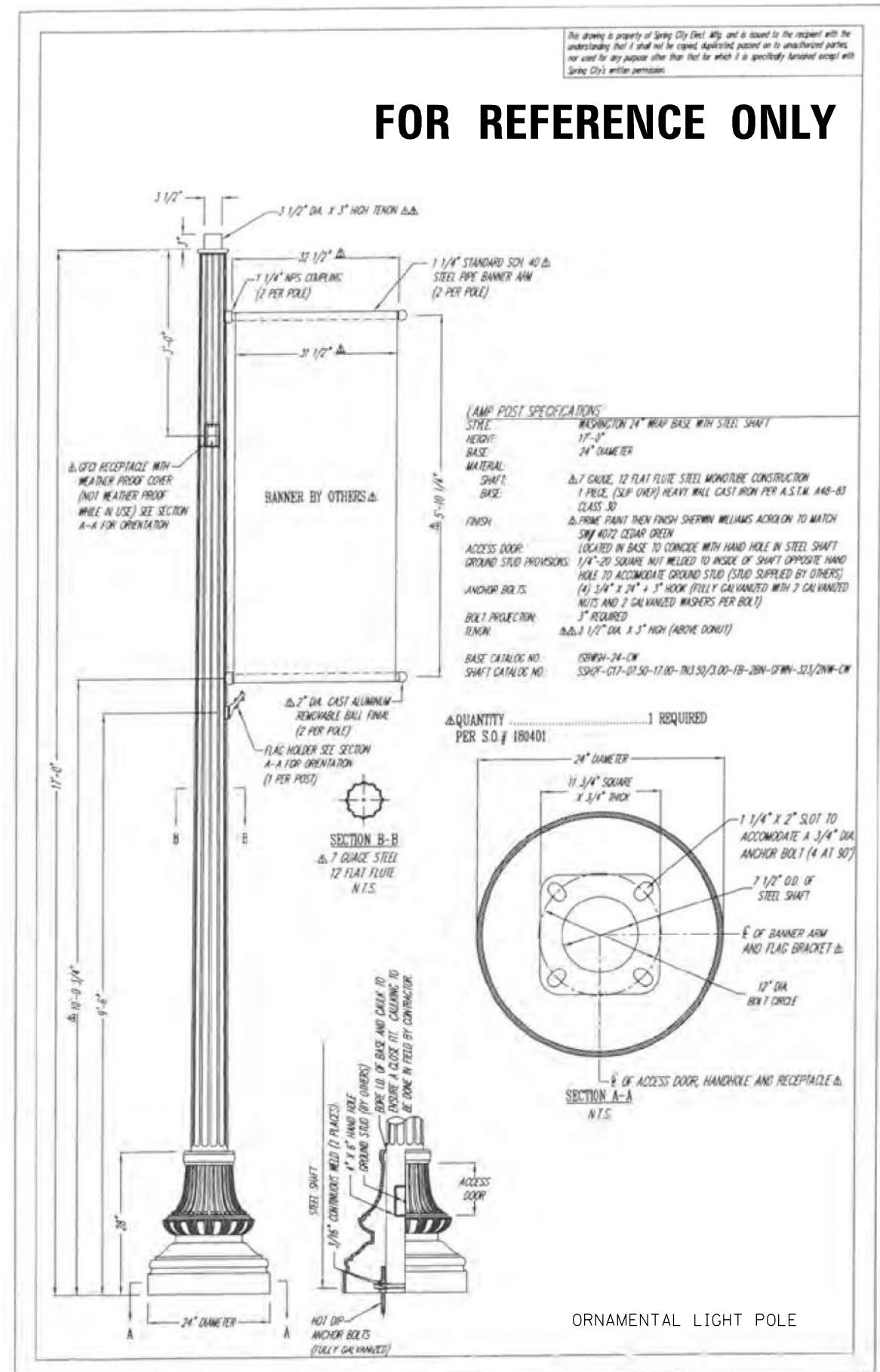
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 31+25.00 TO STA. 37+25.00

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 39
			CONTRACT NO. 61G95	
ILLINOIS FED. AID PROJECT				

LIGHTING AND ELECTRICAL GENERAL NOTES

1. LOCATION OF LIGHTING AND RECEPTACLE CONDUIT, DUCT HANDHOLES AND APPURTENANCES ARE SHOWN DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD MUST MEET THE APPROVAL OF THE ENGINEER.
2. LOCATION OF EXISTING CONDUITS, JUNCTION BOXES, AND PULL BOXES FOR EXISTING RECEPTACLE CIRCUITS ALONG STATE STREET ARE SHOWN DIAGRAMMATICALLY. CONTRACTOR TO VERIFY LOCATION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL OUTLETS FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
4. PRIOR TO INSTALLATION OF THE NEW UNIT DUCT, CONDUITS, JUNCTION BOXES, LIGHT STANDARD FOUNDATIONS AND APPURTENANCES, THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLE AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123 OR 811) TO AID IN THIS TASK.
5. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT EQUIPMENT SPECIFICATIONS, CATALOG CUT SHEETS, AND DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT TO THE ENGINEER AND OWNER FOR REVIEW AND APPROVAL.
6. NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL BY THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER MUST BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.
7. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND APPURTENANCES SHALL BE PROPERLY GROUNDED IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE.
8. THE NEW ELECTRICAL INSTALLATION AND MATERIALS MUST MEET REQUIREMENTS OF STANDARDS BY THE FOLLOWING ORGANIZATIONS:
 - ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT)
 - NATIONAL ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
 - ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES)
 - AMERICAN ASSOCIATION OF TRANSPORTATION OFFICIALS (AATO)
 - U.S. DEPARTMENT OF TRANSPORTATION (USDOT)
 - UNDERWRITERS LABORATORIES (UL)
 - AMERICAN STANDARD INSTITUTE (ASI)
 - INSULATED POWER AND CABLE ENGINEERS ASSOCIATION (IPCEA)
 - NATIONAL ELECTRICAL SAFETY CODE (NEC)
 - NATIONAL ELECTRICAL CODE 2017
9. ALL LIMESTONE PIERS AND LANDSCAPED ISLANDS SHALL BE FURNISHED WITH THE DUPLEX RECEPTACLE. ONLY DUPLEX RECEPTACLES SHOWN IN THE PLAN SHALL BE CONNECTED TO THE ELECTRICAL SYSTEM.
10. ALL SPLICING FOR RECEPTACLES MUST BE IN JUNCTION BOXES OR ABOVE GRADE IN THE PEDESTAL WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS.
11. PARALLEL ELECTRICAL CONDUIT RUNS SHALL BE PLACED IN A COMMON TRENCH IF POSSIBLE.
12. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH ELECTRICAL HANDHOLE THEY PASS THROUGH AS WELL AS EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT. BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF BOX RATING.
13. ELECTRICAL SERVICE SHALL BE 120/240V, SINGLE-PHASE, UNLESS OTHERWISE NOTED.
14. INSTALL CABLE IN CONTINUOUS UN-CUT LENGTHS BETWEEN HANDHOLES, JUNCTION BOXES, AND PEDESTALS.
15. CONDUIT SHALL ONLY ENTER A JUNCTION BOX OR RECEPTACLE ENCLOSURE IF IT IS REQUIRED FOR RECEPTACLE CIRCUITS. ALL OTHER CONDUITS SHALL BYPASS THE JUNCTION BOX UNLESS OTHERWISE NOTED ON PLANS.

FOR REFERENCE ONLY



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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING AND ELECTRICAL DETAILS

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 40
			CONTRACT NO. 61G95	
ILLINOIS FED. AID PROJECT				

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NOTE: ALL TRAFFIC SIGNALS, SIGNS AND SIGNAL MOUNTING HARDWARE, SUPPLIED BY OTHERS

LUMINAIRE ARM SPECIFICATIONS
 STYLE: NORTHAMPTON
 HEIGHT: 6'-4"
 WIDTH: 6'-0" TO 1/2 OF POST TO LUMINAIRE ATTACHMENT
 MATERIAL: CAST ALUMINUM WITH 2" STANDARD SCHEDULE 40 ALUMINUM PIPE
 FINISH: PRIME PAINT THEN FINISH - SEE PAINT SPECIFICATIONS BELOW
 WIRE TYPE: 14 AWG TYPE SFT-2 OR EQUIVALENT (WIRE SUPPLIED AND INSTALLED BY OTHERS)

TRAFFIC SIGNAL POST SPECIFICATIONS
 STYLE: WASHINGTON STEEL
 HEIGHT: 24'-0"
 BASE: 31" DIAMETER
 MATERIAL: SHAFT: 3 + 7 GAUGE, 12 FLAT FLUTE STEEL MONOTUBE CONSTRUCTION
 BASE: 2 PIECE (WRAP AROUND) CAST DUCTILE IRON PER A.S.T.M. A536-84 GRADE 65-45-12
 FINISH: PRIME PAINT THEN FINISH - SEE PAINT SPECIFICATIONS BELOW
 ACCESS DOOR: LOCATED IN BASE TO COINCIDE WITH HAND HOLE IN STEEL SHAFT SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS
 GROUND STUD PROVISIONS: 1/4"-20 SQUARE NUT WELDED TO INSIDE WALL OF SHAFT OPPOSITE HAND HOLE TO ACCOMMODATE GROUND STUD (GROUND STUD SUPPLIED BY OTHERS)
 ANCHOR BOLTS: (4) 1 3/4" X 84" + 6" HOOK (FULLY GALVANIZED WITH 2 GALVANIZED NUTS AND 2 GALVANIZED WASHERS PER BOLT)
 BOLT PROJECTION: 7" REQUIRED
 TENSION: 2 7/8" DIA. X 10" HIGH (TO ACCEPT CROSS ARM)

NOTE: ALL POLES ARE DESIGNED TO WITHSTAND 80 MPH WINDS WITH A 30 PERCENT GUST FACTOR. BACK PLATES ARE NOT INCLUDED FOR DESIGN, AASHTO CRITERIA. POLE DESIGN FOR 42'-0" MAST ARM BASED ON DATA PROVIDED ON ILLINOIS D.O.T. DWG. NO'S: 143, 129 & 132 DATED: NOVEMBER 16, 1993.

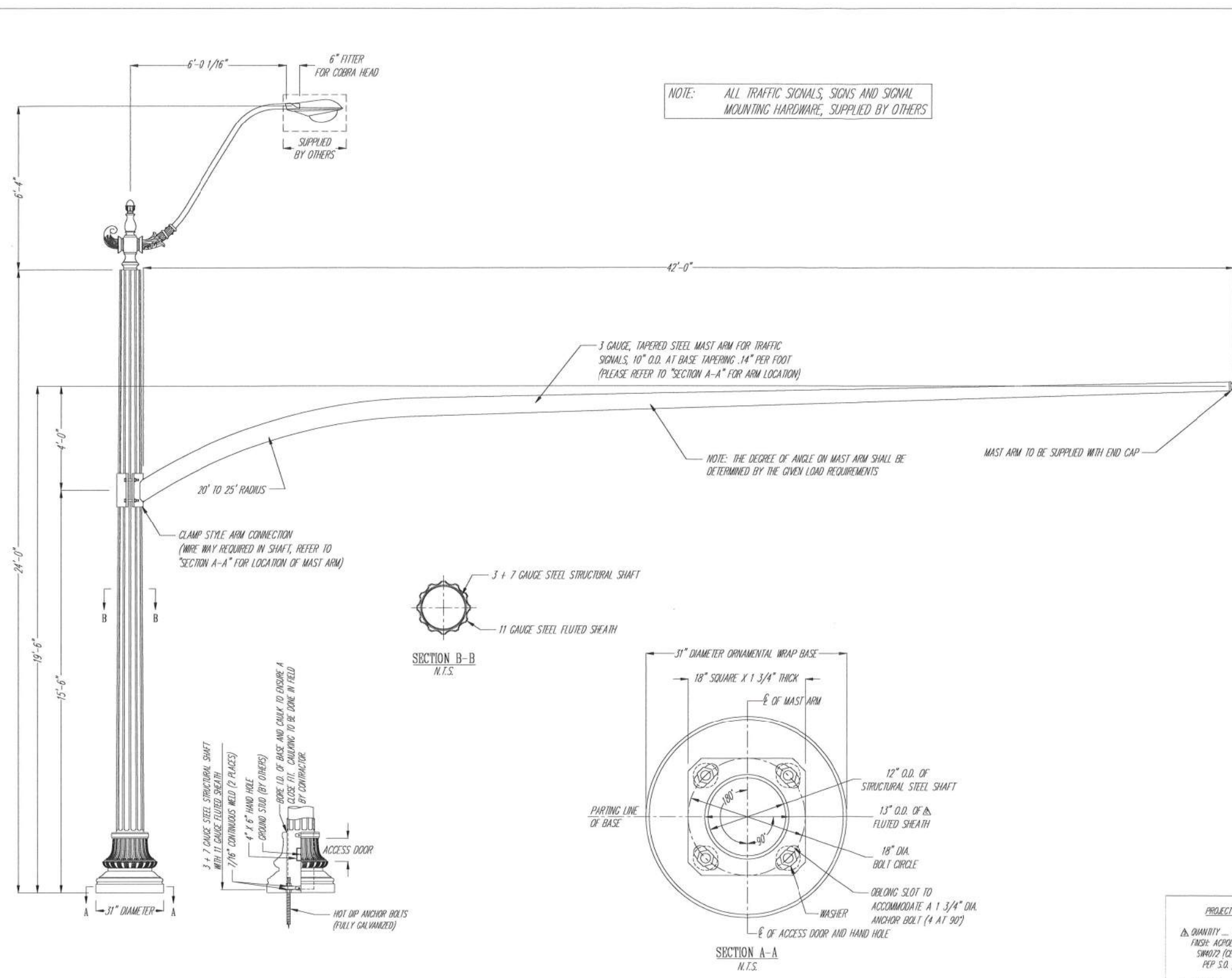
PAINT SPECIFICATIONS
 PRIME PAINT: SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67H5 - PART G AND B67H5 - PART H)
 FINISH PAINT: 2 COATS OF SHERWIN WILLIAMS - PLEASE SEE QUANTITY
 NOTE: THE PURCHASER AND/OR CONTRACTOR RELEASES SPRING CITY ELECTRIC FROM ANY GUARANTEES REGARDING THE FINAL CONDITION OF THE FINISH PAINT ON ANY COMPONENTS WHEN THEY ARE RECEIVED AT THE JOB SITE. SPRING CITY WILL FURNISH TOUCH UP PAINT FOR TOUCH UP PURPOSES.

△ QUANTITY 1 WRAP BASE ONLY REQUIRED
 FINISH: ACROLON TO MATCH SW4072 (CEDAR GREEN)
 PER S.O. #: 016236

REVISIONS:
 △ REVISED BY: B.K.P. DATE: 05-02-2016
 △ REVISED BY: B.K.P. DATE: 11-18-2009
 △ REVISED BY: W.M.K. DATE: 08-04-2004

Spring City Electrical Mfg. Co.
 SINCE 1843 HALL AND MAIN STREETS - P.O. BOX 19 - SPRING CITY, PA. 19475 - PHONE (610) 948-4000 FAX (610) 948-5577

PROJECT HISTORY △ QUANTITY ... 1 BASE PEOD FINISH: ACROLON TO MATCH SW4072 (CEDAR GREEN) PER S.O. # 140159 △ QUANTITY ... 1 BASE PEOD FINISH: ACROLON TO MATCH SW4072 (CEDAR GREEN) PER S.O. # 190536	DESCRIPTION	THE WASHINGTON 24'-0" STEEL POST WITH THE 42'-0" TRAFFIC SIGNAL MAST ARM AND THE NORTHAMPTON 6'-0" CROSS ARM WITH COBRA HEAD LUMINAIRE (LUMINAIRE BY OTHERS)		
	CUSTOMER	CITY OF LOCKPORT, IL		
JOB	CITY OF LOCKPORT, IL			
SCALE	DRAWN BY:	DATE	DRAWING NO.	
N.T.S.	T. O'NEIL	05-11-94	LP-21522	



FOR REFERENCE ONLY

File Copy

ORNAMENTAL COMBINATION TRAFFIC SIGNAL AND LIGHT POLE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING AND ELECTRICAL DETAILS

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

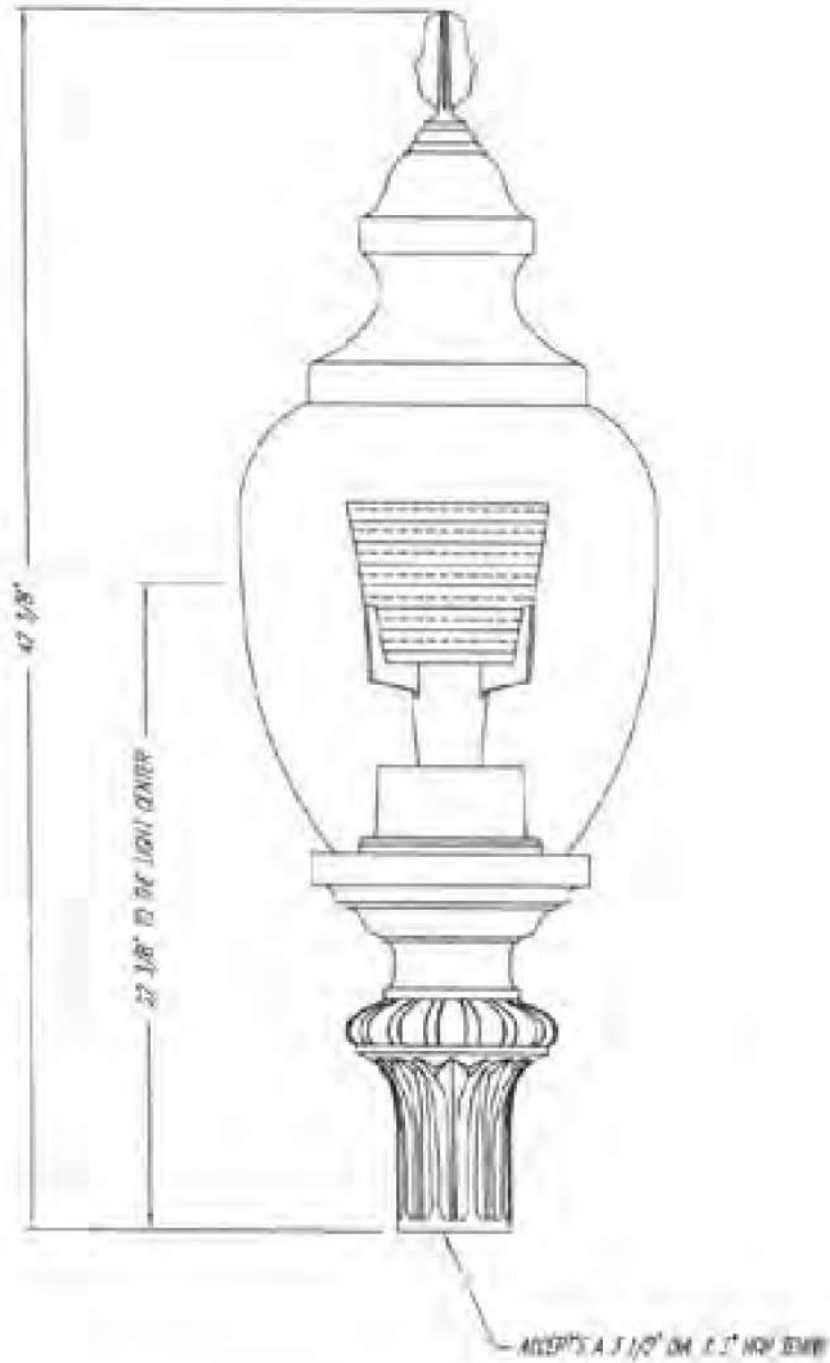
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G95	

V3
 V3 Companies
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 Woodridge, IL 60517
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ORNAMENTAL LUMINAIRE

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LUMINAIRE SPECIFICATIONS

STYLE: WASHINGTON WITH TWO GLOBE AND FINAL
 WIDTH: 15 1/2"
 HEIGHT: 42 3/8"
 MATERIAL: CAST IRON
 GLOBE: STIPPLED POLYCARBONATE
 FINISH: PRIME PAINT THEN FINISH SHERWIN WILLIAMS ACRYLON TO MATCH SHY 4077 CEDAR GREEN
 LAMPING: 250 WATTS HIGH PRESSURE SODIUM (LAMPING BY OTHERS)
 VOLTAGE: 0/40 WIRE AT 120 VOLTS
 RETRACTOR: 8" INTERNAL - TYPE 1 - ASYMMETRIC DISTRIBUTION
 SOCKET: WARDLE BASE

CATALOG NO: LUMIN-HP250/DIA/SM-PST-180-TFF-CR

QUANTITY.....1 REQUIRED
 PER S.O.# 180431



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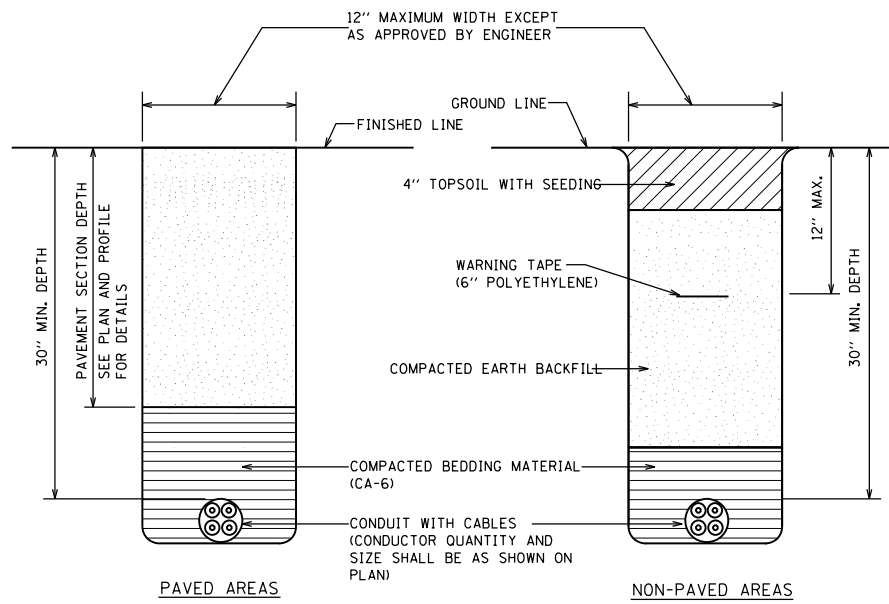
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	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

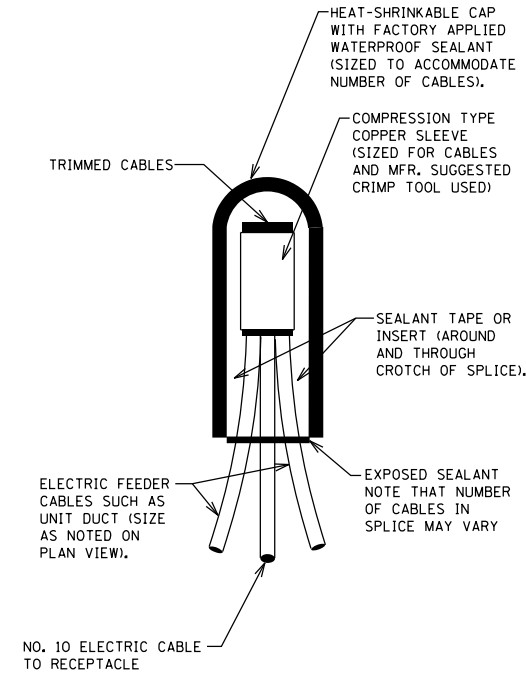
LIGHTING AND ELECTRICAL DETAILS

SCALE: NTS SHEET 3 OF 8 SHEETS STA. TO STA.

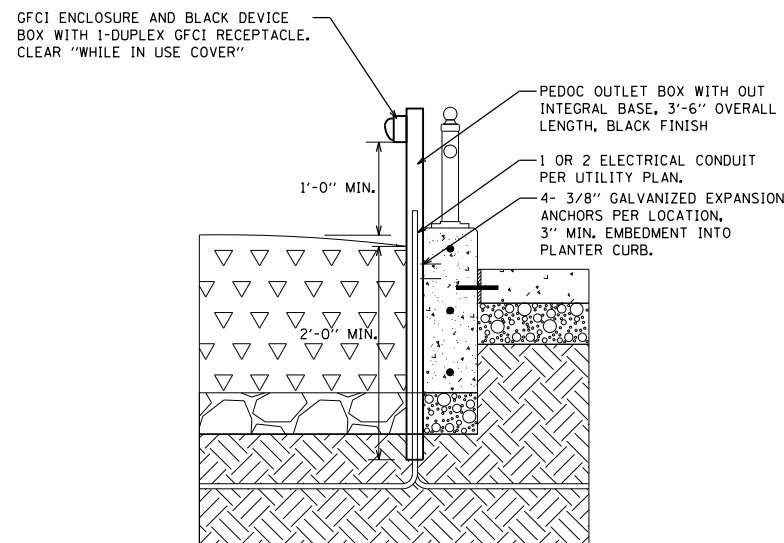
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G95	



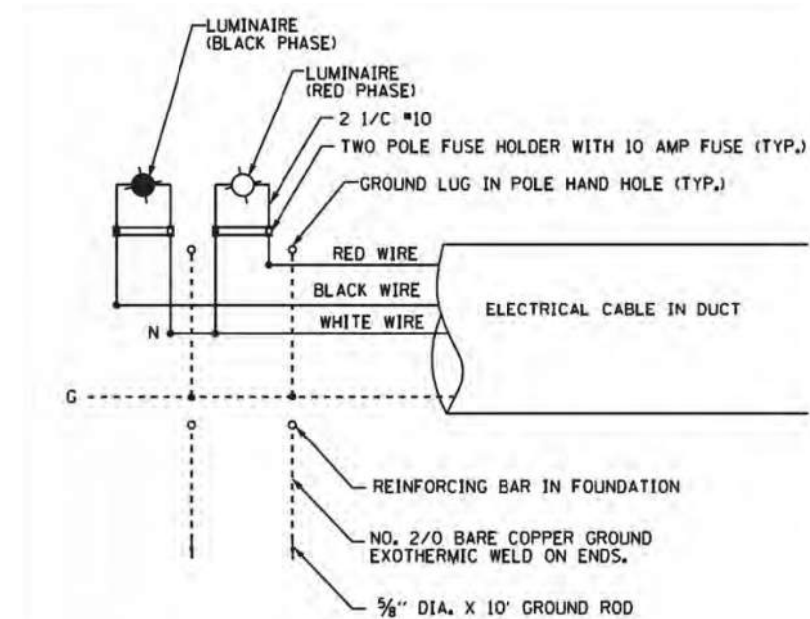
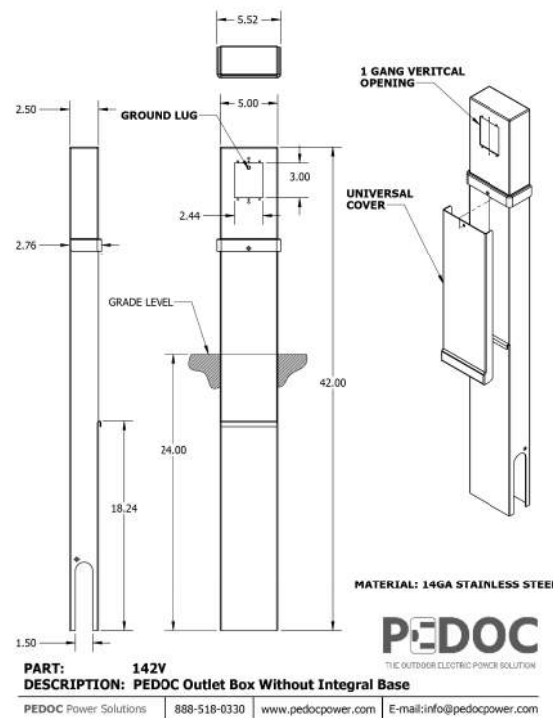
CONDUIT TRENCH BACKFILL DETAIL



ELECTRICAL CABLES SPLICE DETAIL



OUTLET PEDESTAL TYPE 1 - PLANTER BOX MOUNTING DETAIL



ORNAMENTAL LIGHT POLE WIRING DIAGRAM



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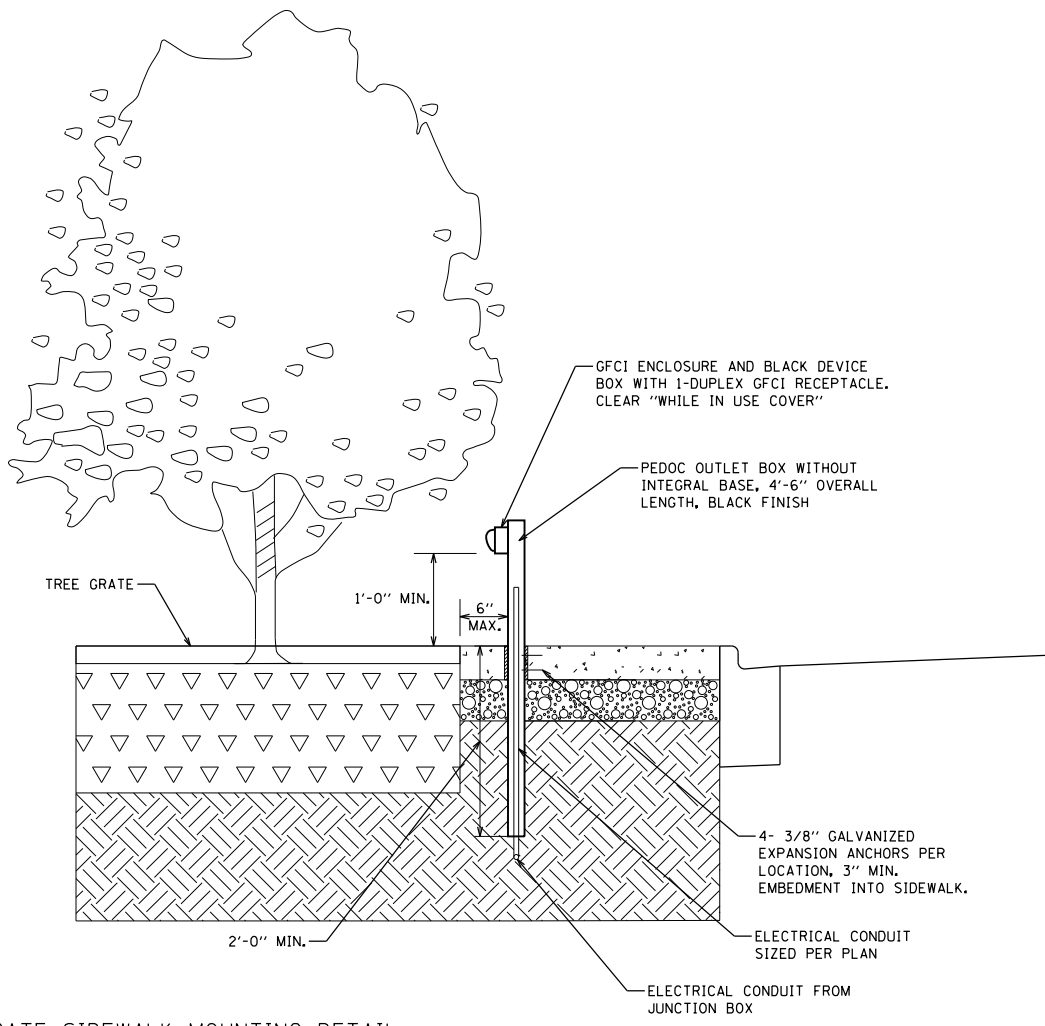
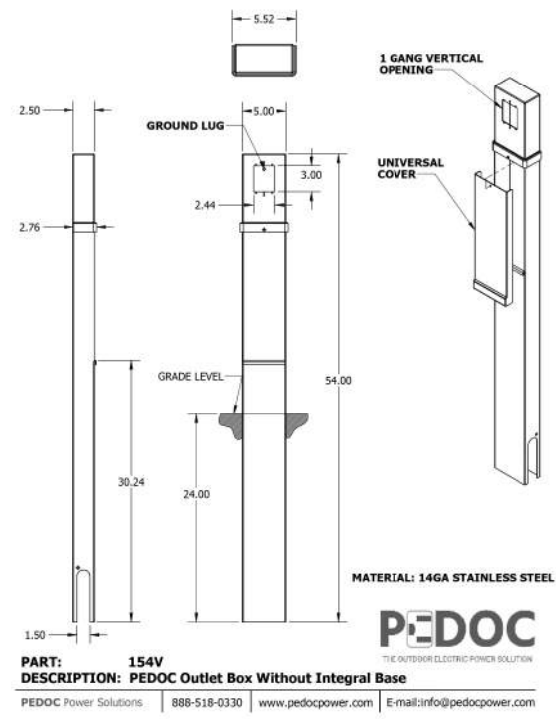
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND ELECTRICAL DETAILS

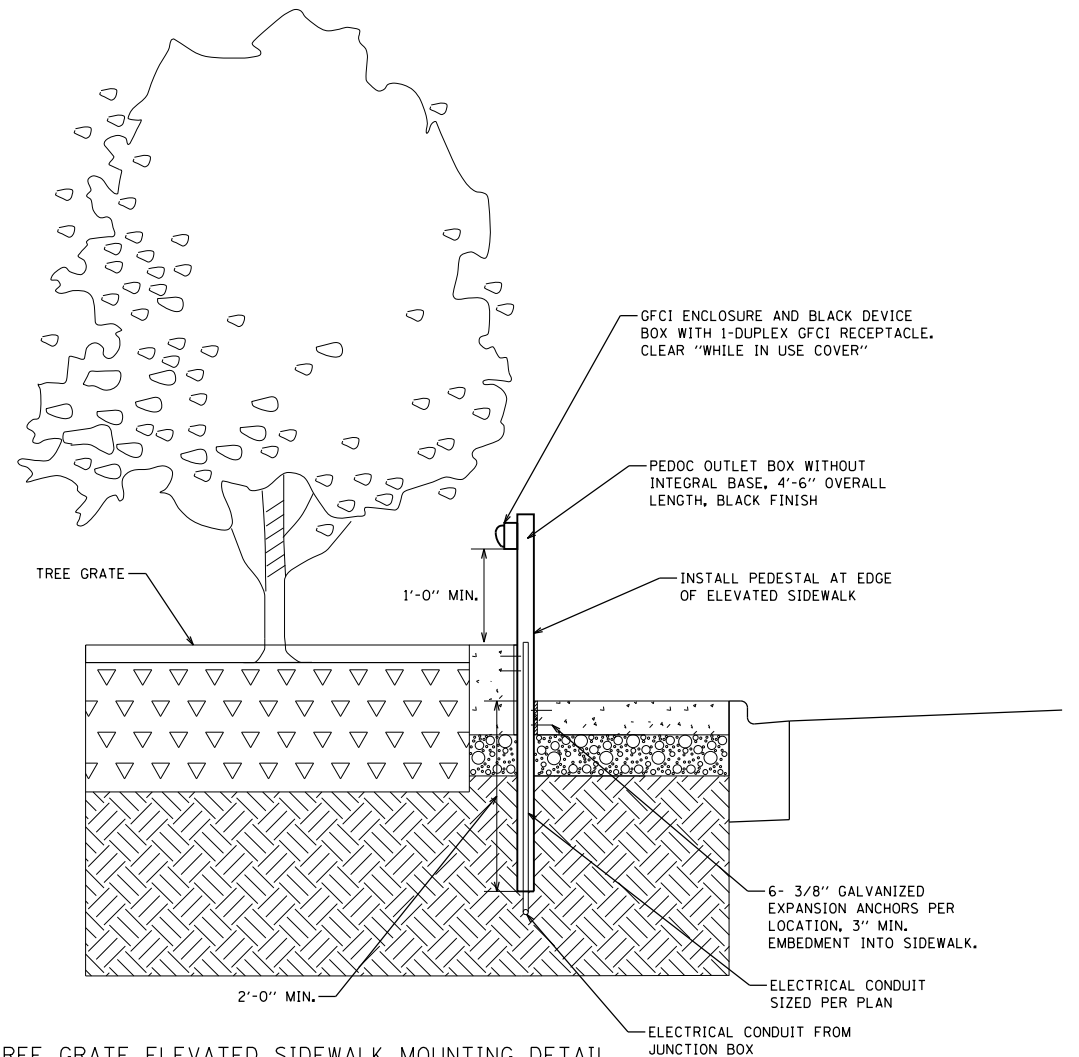
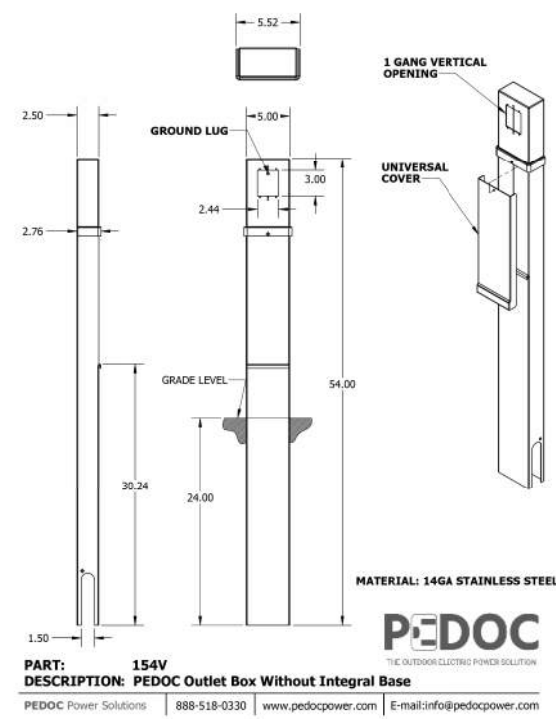
SCALE: NTS SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 43
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



OUTLET PEDESTAL TYPE 2 - TREE GRATE SIDEWALK MOUNTING DETAIL

- TYPE 2 AND TYPE 3 PEDESTAL NOTES:
1. INSTALL PEDESTALS PRIOR TO POURING CONCRETE SIDEWALK OR ADD SLEEVE AT PROPOSED PEDESTAL LOCATIONS TO SLIDE PEDESTAL INTO.
 2. ALL PEDESTAL LOCATIONS SHALL BE LOCATED OUTSIDE OF TREE GRATES.



OUTLET PEDESTAL TYPE 3 - TREE GRATE ELEVATED SIDEWALK MOUNTING DETAIL



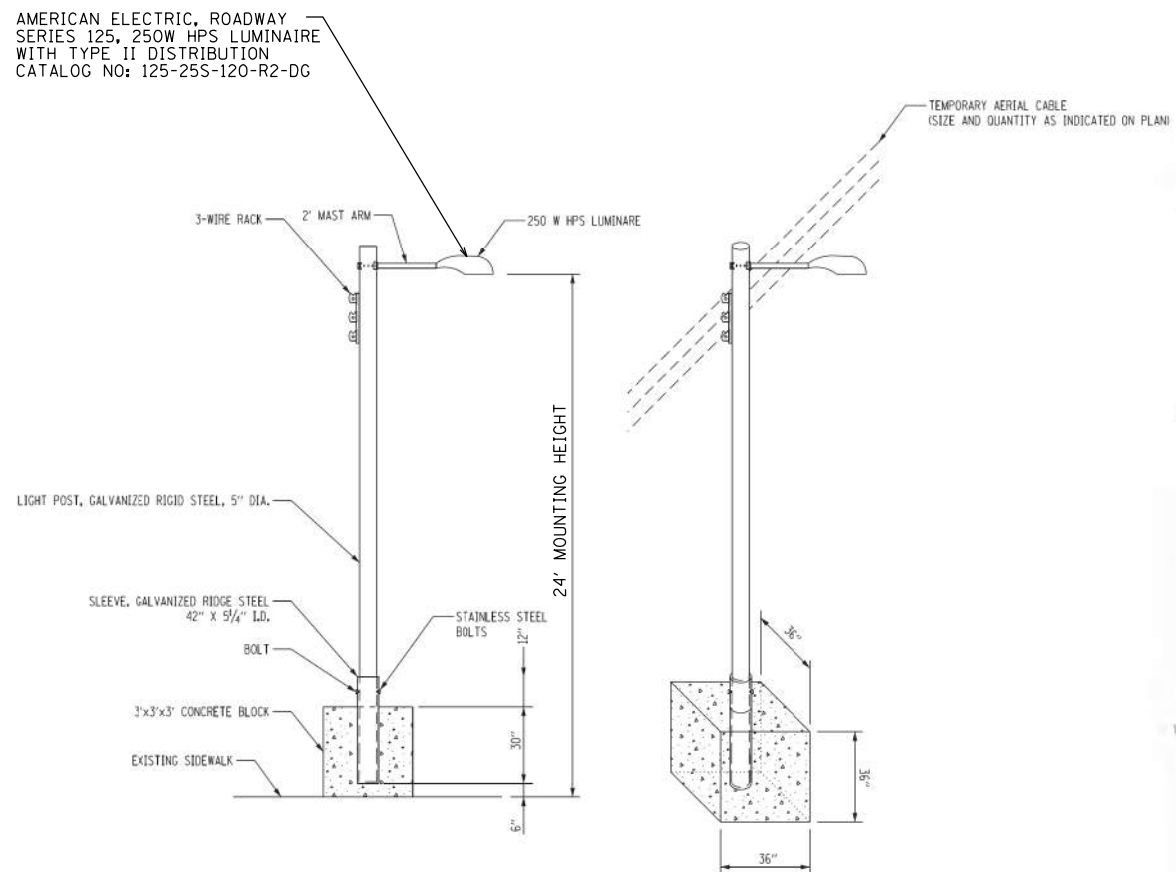
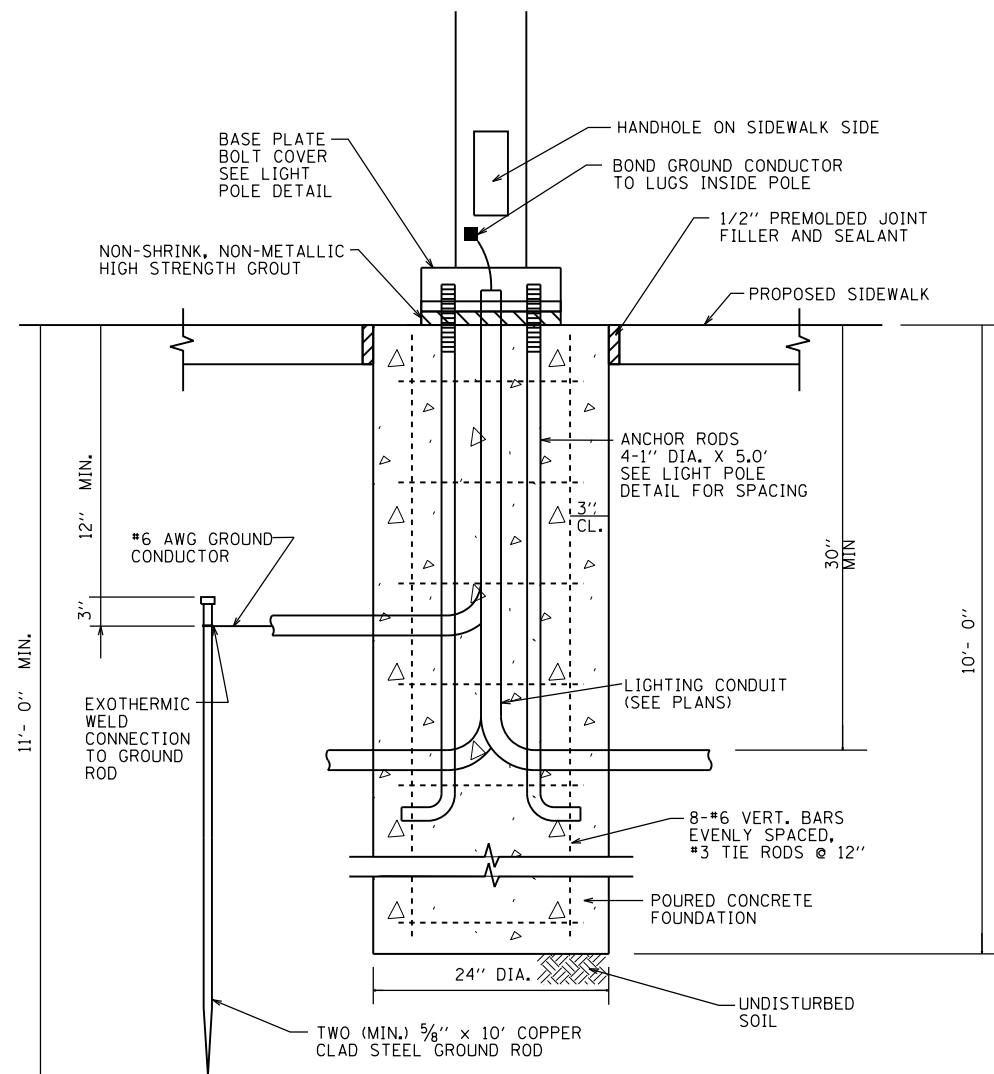
USER NAME = msladek	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND ELECTRICAL DETAILS

SCALE: NTS SHEET 5 OF 8 SHEETS STA. TO STA.

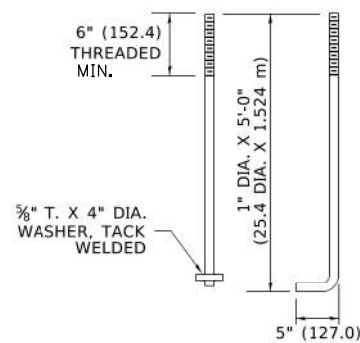
F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 44
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G95	



TEMPORARY LIGHT POLE DETAIL

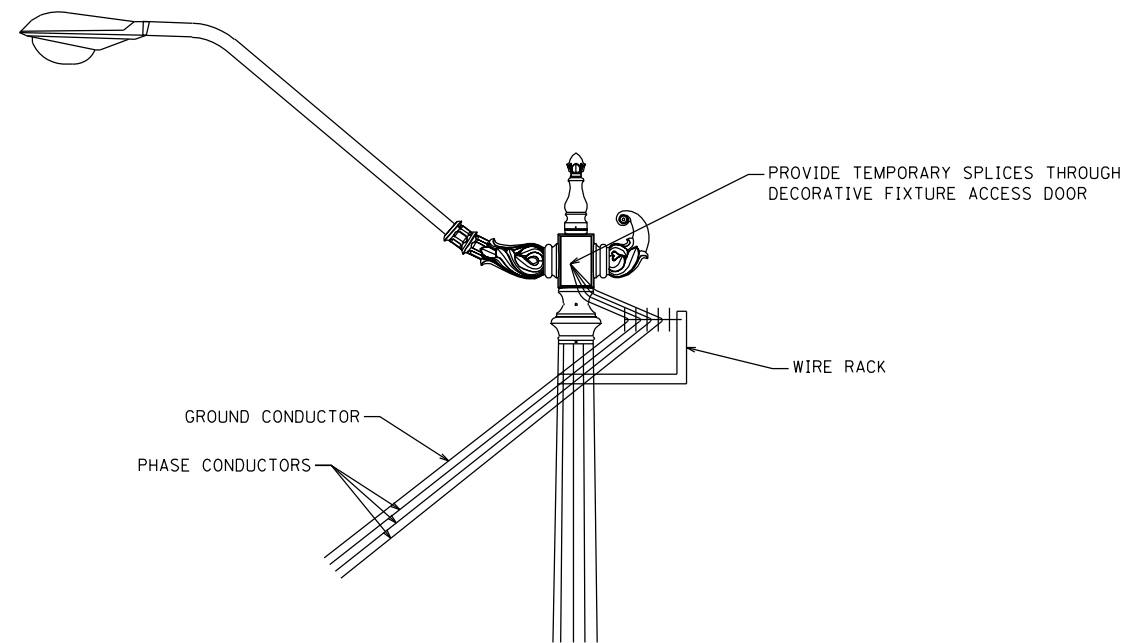
ORNAMENTAL STREET LIGHT FOUNDATION NOTES:

1. CONTRACTOR TO VERIFY ALL ELEVATIONS, DIMENSIONS, LOCATIONS AND PRODUCTS PRIOR TO STARTING CONSTRUCTION AND/OR ORDERING MATERIALS.
2. CONCRETE TO BE CLASS SI, AND WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 1020 IN THE STANDARD SPECIFICATIONS.
3. ALL REINFORCEMENT STEEL TO BE ASTM A615, GR-60.
4. ALL FOOTINGS MUST BE POURED ON UNDISTURBED SOIL WITH A MINIMUM SAFE BEARING CAPACITY OF 2000 P.S.F. WITH NO ORGANICS. THE FOUNDATION SHALL NOT BE POURED ON FROZEN GROUND.
5. FOUNDATION DETAIL IS BASED ON MEDIUM CLAY (QU=1.0 TON/50 FT.) SOIL CONDITIONS.
6. THE CONTRACTOR SHALL HAVE THE EXISTING SOIL CONDITIONS FIELD VERIFIED BY A QUALIFIED TESTING AGENCY AND SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS IF EXISTING SOIL CONDITIONS ARE OUTSIDE THE PARAMETERS ASSUMED FOR THE TYPICAL FOUNDATION DESIGN.
7. ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES WITH A MINIMUM OF 3 INCHES OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
8. ANCHOR RODS SHALL PROJECT 2 3/4" ABOVE THE TOP OF THE FOUNDATION.



ANCHOR ROD DETAIL

ORNAMENTAL LIGHT POLE FOUNDATION



TEMPORARY POWER FEED TO/FROM EXISTING ORNAMENTAL LIGHT POLE



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

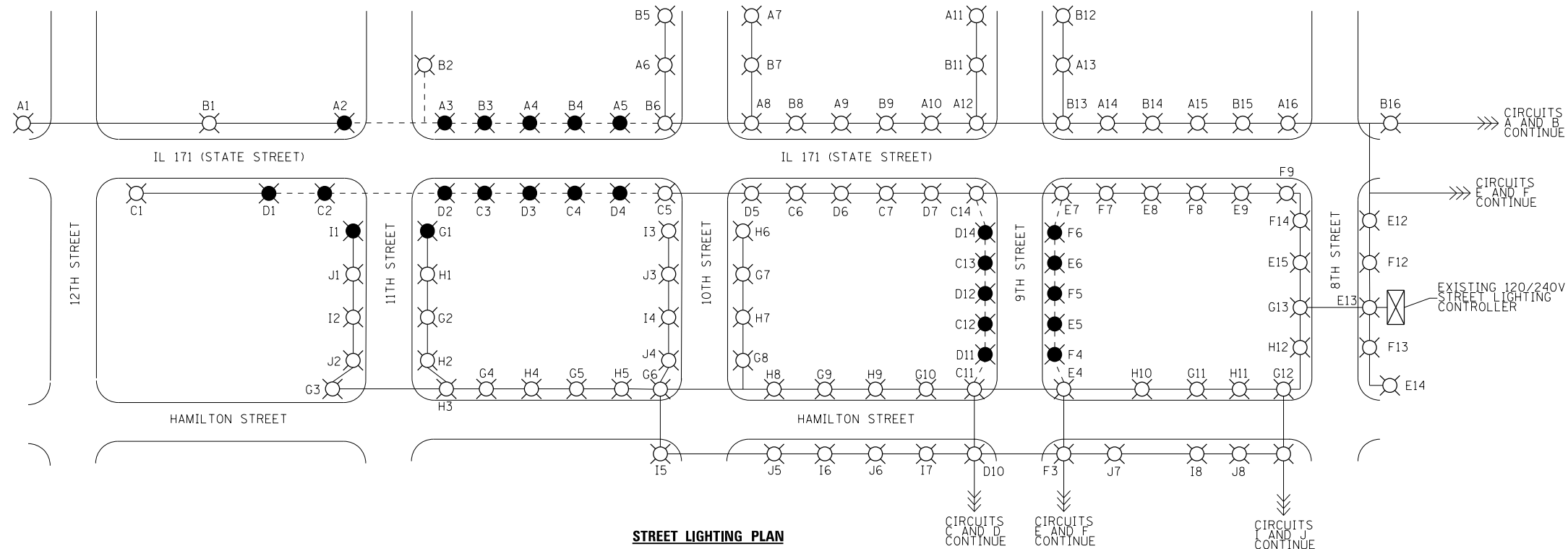
LIGHTING AND ELECTRICAL DETAILS

SCALE: NTS SHEET 6 OF 8 SHEETS STA. TO STA.







F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G95	

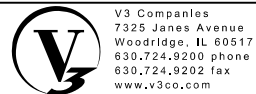
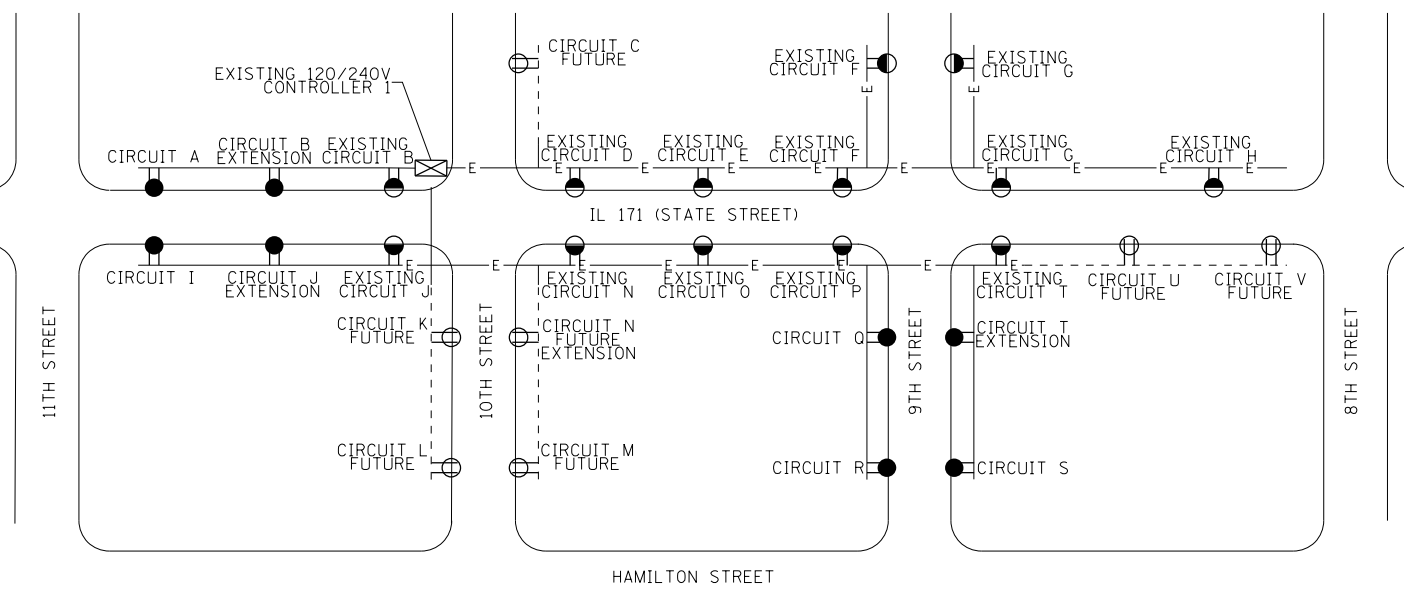
LEGEND

-  EXISTING STREET LIGHT
-  RELOCATED REFINISHED STREET LIGHT (SEE LIGHTING AND ELECTRICAL PLANS)
-  EXISTING LIGHTING FEEDERS AND CONDUIT
-  PROPOSED LIGHTING FEEDERS AND CONDUIT



LEGEND

-  EXISTING RECEPTACLE CIRCUIT (UP TO 6 RECEPTACLES PER CIRCUIT), INSTALLED IN PREVIOUS CONTRACT.
-  PROPOSED RECEPTACLE CIRCUIT (UP TO 6 RECEPTACLES PER CIRCUIT), TO BE INSTALLED AS PART OF THIS CONTRACT.
-  FUTURE RECEPTACLE CIRCUIT OR EXTENSION OF CIRCUIT INSTALLED AS PART OF THIS CONTRACT (UP TO 6 RECEPTACLES PER CIRCUIT), TO BE INSTALLED AS PART OF FUTURE CONTRACT.
-  EXISTING CIRCUIT FEEDERS AND SPARE CONDUITS INSTALLED IN PREVIOUS CONTRACT.
-  PROPOSED CIRCUIT FEEDERS AND SPARE CONDUITS FOR FUTURE CIRCUITS, TO BE INSTALLED AS PART OF THIS CONTRACT.
-  FUTURE CIRCUIT FEEDERS, TO BE INSTALLED AS PART OF FUTURE CONTRACT.



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PLOT DATE = 3/11/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING AND ELECTRICAL DETAILS

SCALE: NTS SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 46
			CONTRACT NO. 61G95	
ILLINOIS FED. AID PROJECT				

PANEL EQUIPMENT

- (A) MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT, 200 AMP, NON-INTERCHANGABLE TRIP INTERRUPTING RATING NEMA 22,000 AMP AT 240 VOLTS.
- (B) LIGHTING CONTACTOR, ELECTRONICALLY HELD, 2 POLE, SINGLE THROW, 200 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
- (C) CONTROL CIRCUIT BREAKERS, 1 POLE, 120 VOLT, 100 AMP. FRAME, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA 10,000 AMP. AT 120/240V, SIZE AS SHOWN.
- (D) PHOTOCELL WITH INTEGRAL SURGE ARRESTER
- (E) SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN
- (F) INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
- (G) 20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
- (H) HAND-OFF-AUTO TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
- (I) PHOTO ELECTRIC CELL TERMINAL BLOCK
- (J) COPPER GROUND BUS (NEUTRAL) 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
- (K) COPPER GROUND BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
- (L) SURGE ARRESTER
- (M) CABINET HEATER WITH THERMOSTAT, 100W

NOTES:

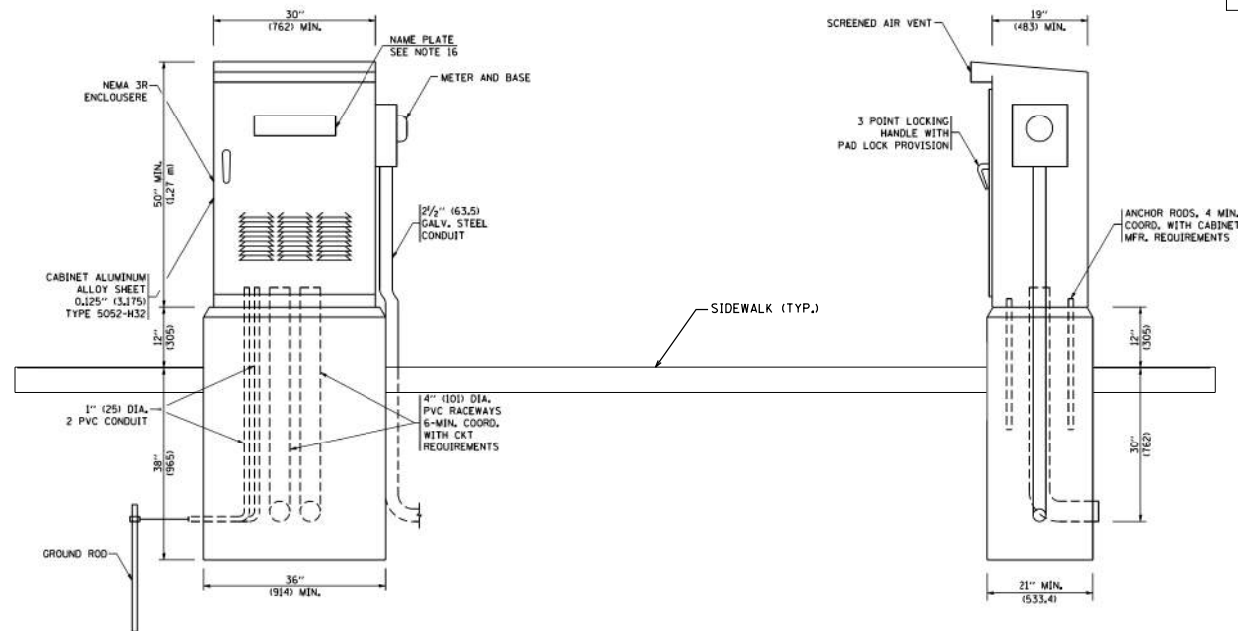
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL. LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) X 60" (1524 mm) X 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
8. CONTROL WIRING TO BE #12 AWG, 60CV, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "CITY OF LOCKPORT HOLIDAY LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

LOAD TABLE

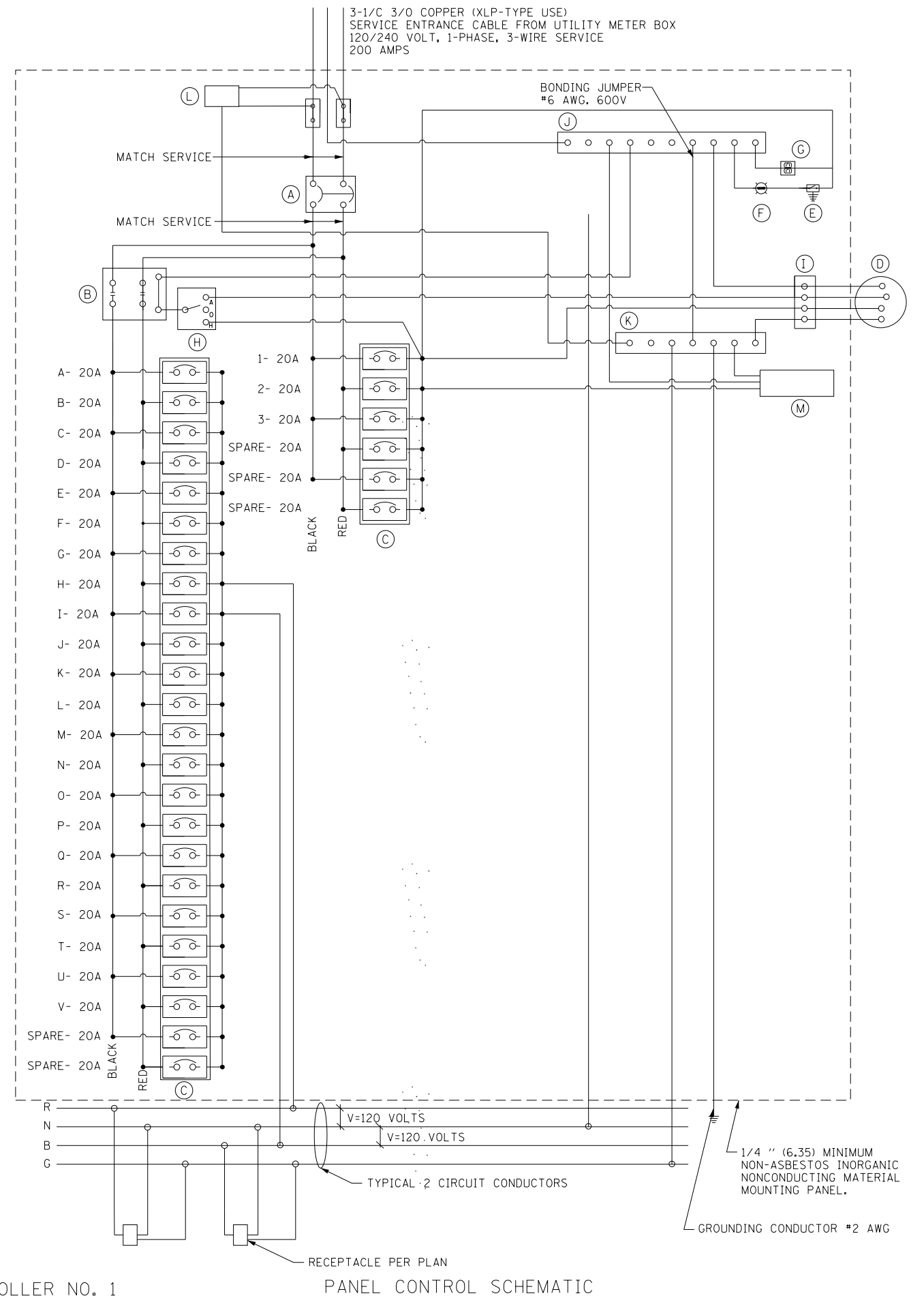
CKT	BLACK	RED	CKT
1	6.0		
3	5.0	1.0	2
A	10.0	10.0	B
C	0.0	6.0	D
E	10.0	10.0	F
G	12.0	10.0	H
I	10.0	10.0	J
K	0.0	0.0	L
M	0.0	6.0	N
O	6.0	6.0	P
S	2.0	6.0	R
U	0.0	10.0	T
		0.0	V
TOTAL 71		75	AMPS @ 120V

NOTE: ESTIMATED LOAD FOR RECEPTACLES

☐ = CIRCUITS WITH NEW OR ADDITIONAL LOADS



CABINET AND FOUNDATION DETAILS



PANEL CONTROL SCHEMATIC

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EXISTING HOLIDAY LIGHTING CONTROLLER NO. 1



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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

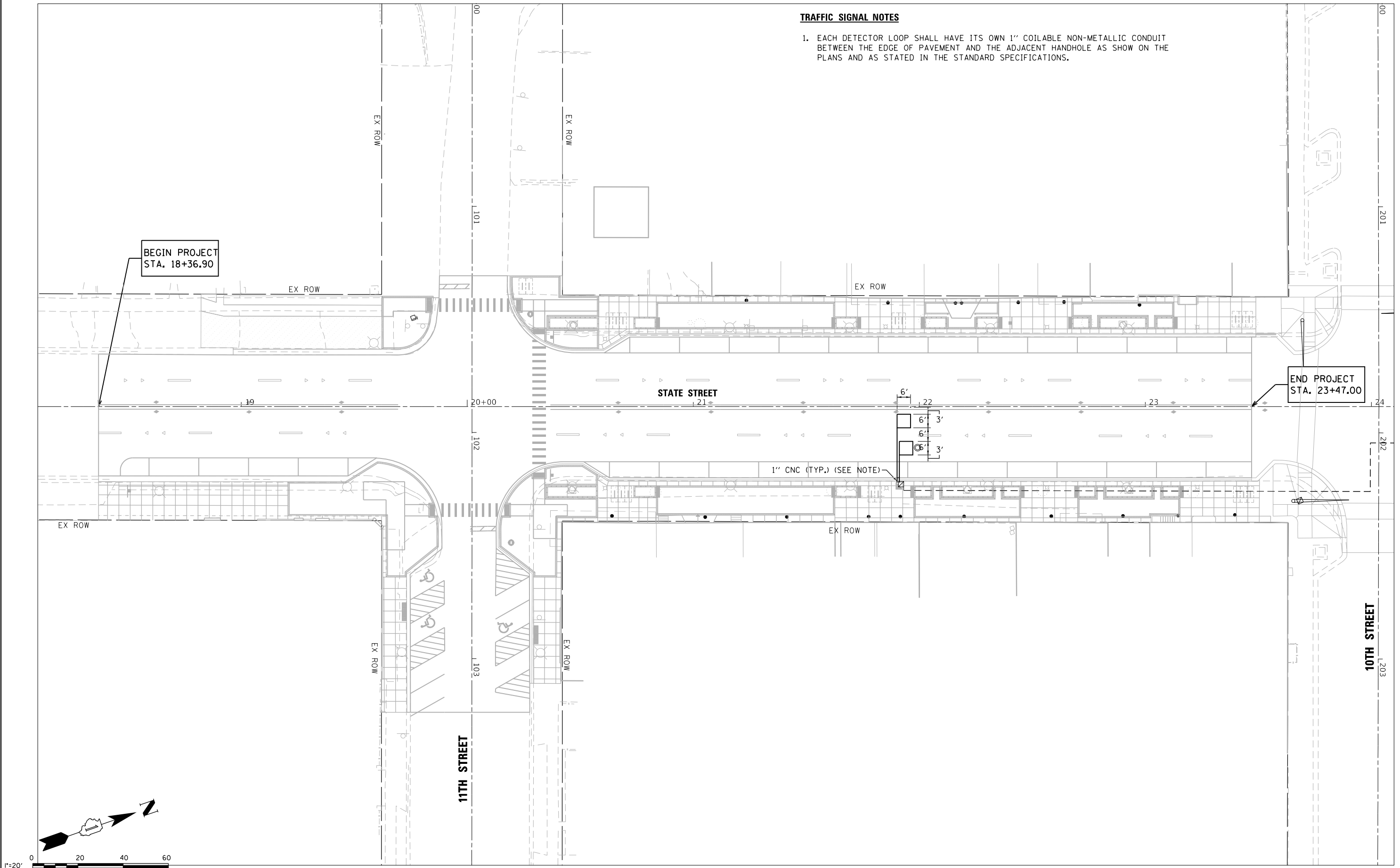
LIGHTING AND ELECTRICAL DETAILS

SCALE: NTS SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 47
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL NOTES

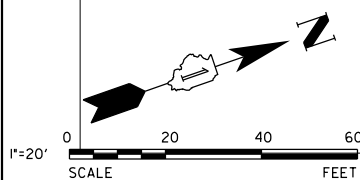
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE STANDARD SPECIFICATIONS.




BEGIN PROJECT
STA. 18+36.90

END PROJECT
STA. 23+47.00

1" CNC (TYP.) (SEE NOTE)

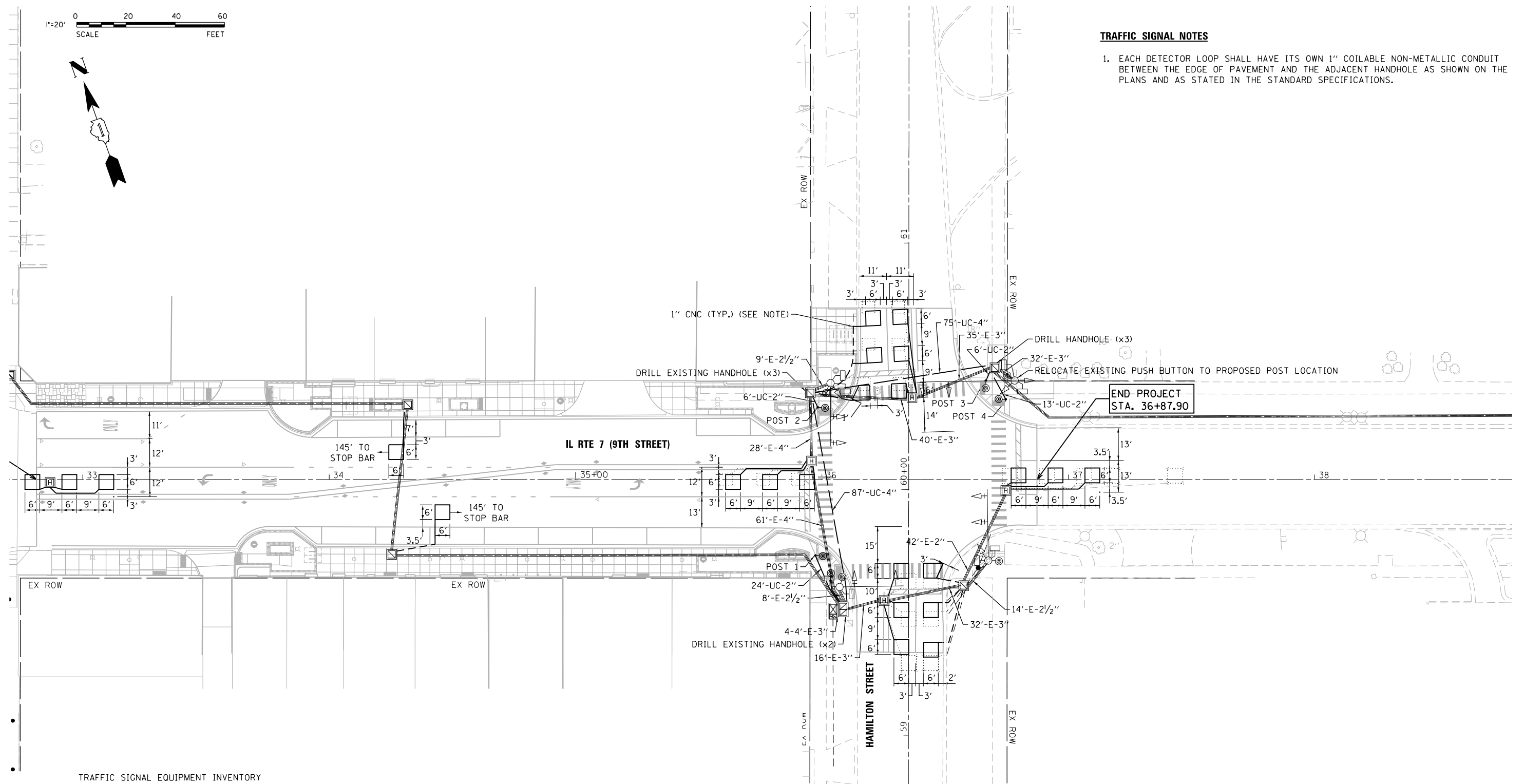


 V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = msladek DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	S. STATE STREET DETECTOR LOOP PLAN		F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 48
	PLOT SCALE = 40.0000' / in. PLOT DATE = 3/11/2021	SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 18+36.90 TO STA. 24+48.90		ILLINOIS FED. AID PROJECT						

1"=20'
SCALE
0 20 40 60
FEET

TRAFFIC SIGNAL NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE STANDARD SPECIFICATIONS.



TRAFFIC SIGNAL EQUIPMENT INVENTORY

ITEM	APPROX. STATION	APPROX. OFFSET	FOUNDATION TYPE	EQUIPMENT
POST 1	35+97.32	30.84 RT	TYPE A, 12" - 4' DEPTH	PED. PUSH BUTTON POST
POST 2	35+98.32	29.27 LT	TYPE A, 12" - 4' DEPTH	PED. PUSH BUTTON POST
POST 3	36+66.53	40.16 LT	TYPE A, 12" - 4' DEPTH	PED. PUSH BUTTON POST
POST 4	36+74.61	32.58 LT	TYPE A, 12" - 4' DEPTH	PED. PUSH BUTTON POST

LOCKPORT TS#7523



V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

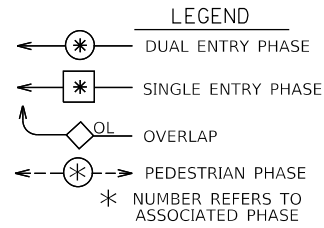
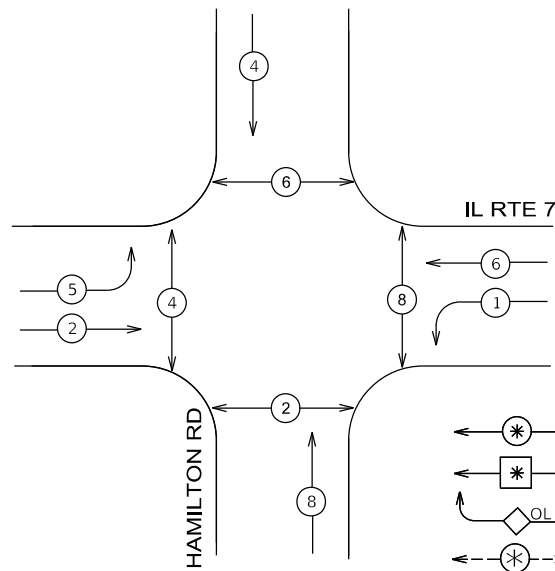
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

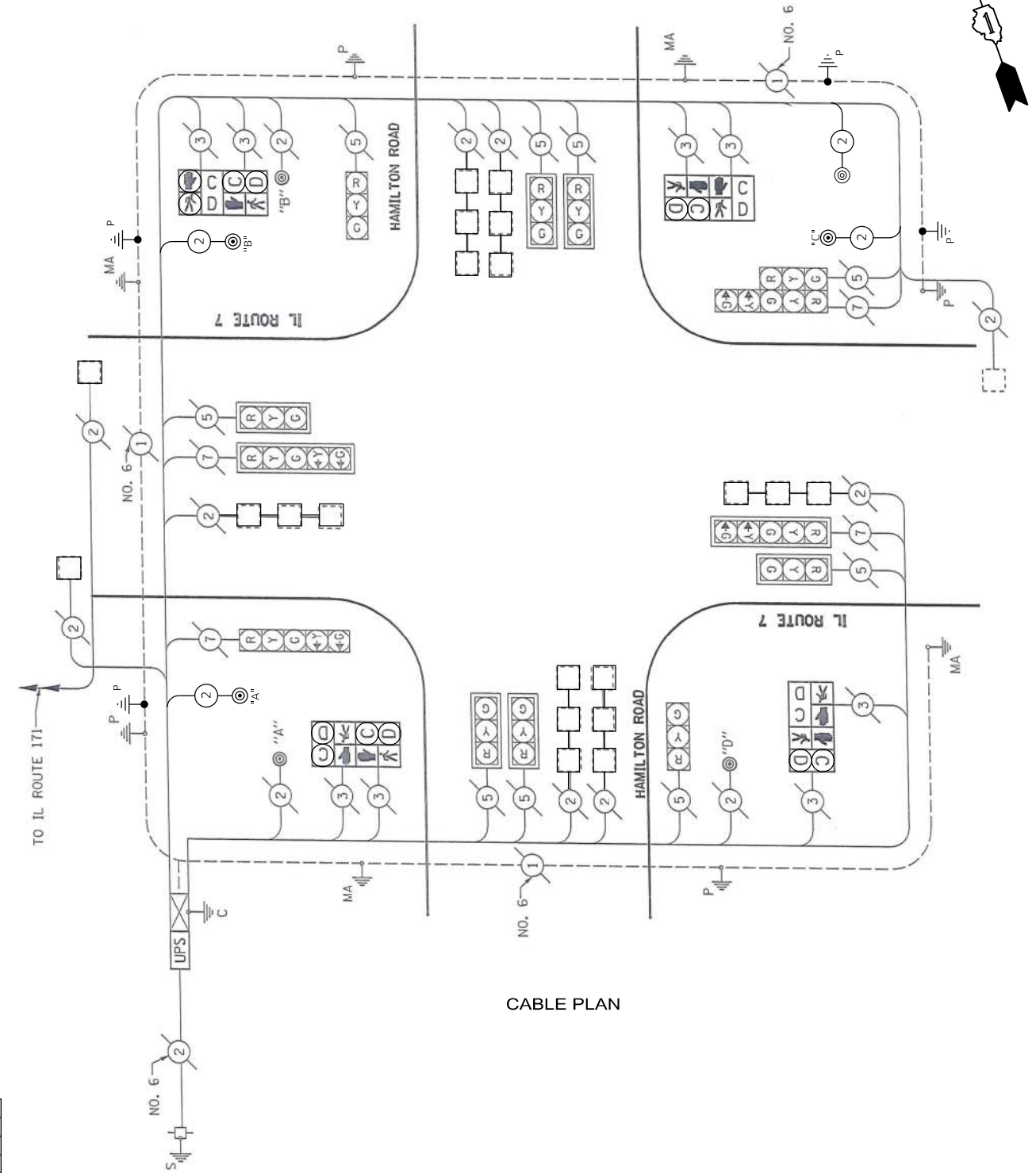
W. 9TH STREET DETECTOR LOOP PLAN &
TRAFFIC SIGNAL MODERNIZATION PLAN
IL. RTE. 7 (9TH STREET) AND HAMILTON STREET
SCALE: 1" = 20'
SHEET 2 OF 3 SHEETS
STA. 32+81.23 TO STA. 36+94.11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	49
CONTRACT NO. 61G95				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



NOTES:
 PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8



CABLE PLAN

SCHEDULE OF QUANTITIES

SP	Code #:	Description	Unit	Total QTY
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	49
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	162
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	653
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	75
	87900200	DRILL EXISTING HANDHOLE	EACH	8
*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	832
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	3
	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1
*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
*	X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	4
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	TOTAL WATTAGE
SIGNAL RED	13	17	0.50	110.5
YELLOW	13	25	0.25	81.2
GREEN	13	15	0.25	48.7
PERMISSIVE ARROW	8	12	0.10	9.6
PED. SIGNAL	8	25	1.00	200.0
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN	-	25	0.05	
VIDEO SYSTEM	-	150	1.00	
TOTAL =				550.0

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DIVISION 1
 201 WEST CENTER COURT, SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: _____
 PHONE: _____
 COMPANY: COMED
 ACCOUNT NUMBER: _____

LOCKPORT TS#7523



USER NAME = msladek
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 PLOT DATE = 3/11/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 7 (9TH STREET) AT HAMILTON STREET
 CABLE PLAN

SCALE: NTS SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 50
			CONTRACT NO. 61G95	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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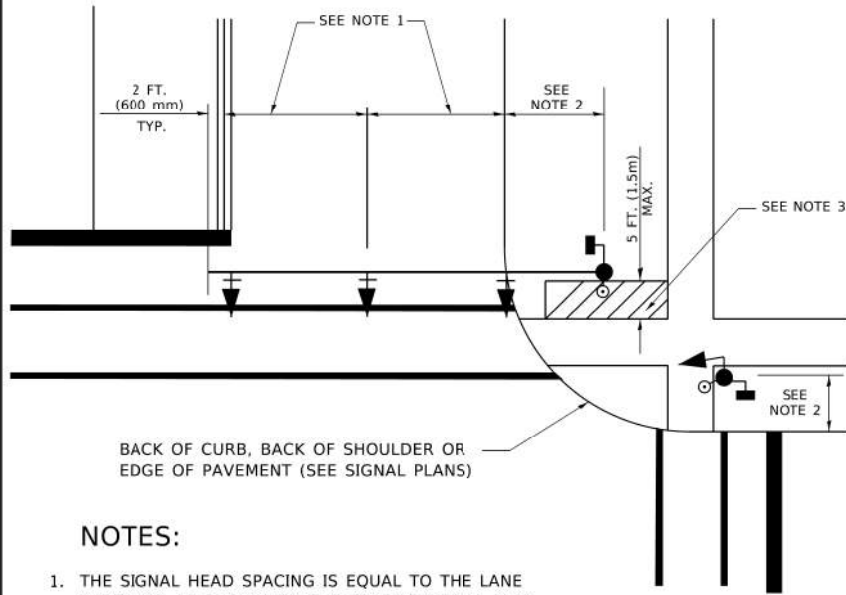
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 1 OF 7 SHEETS	STA. TO STA.	

F.A. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY	TOTAL SHEETS 84	SHEET NO. 51
TS-05			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

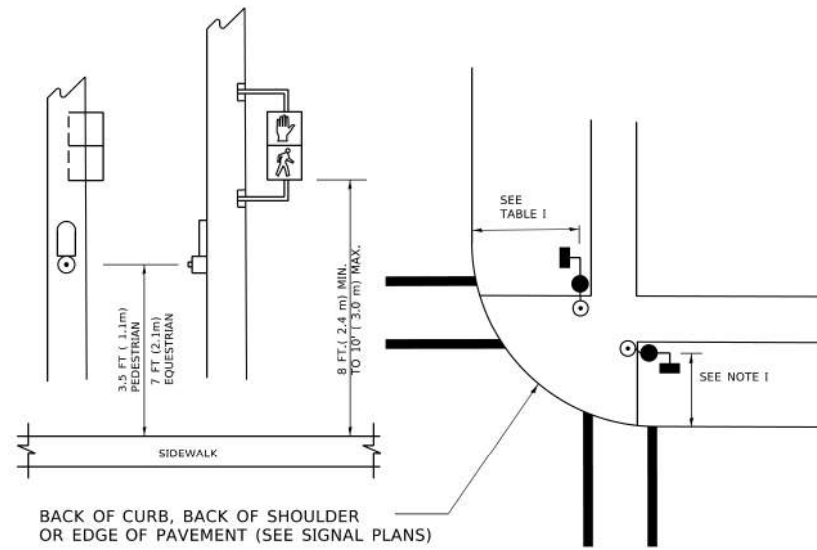
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

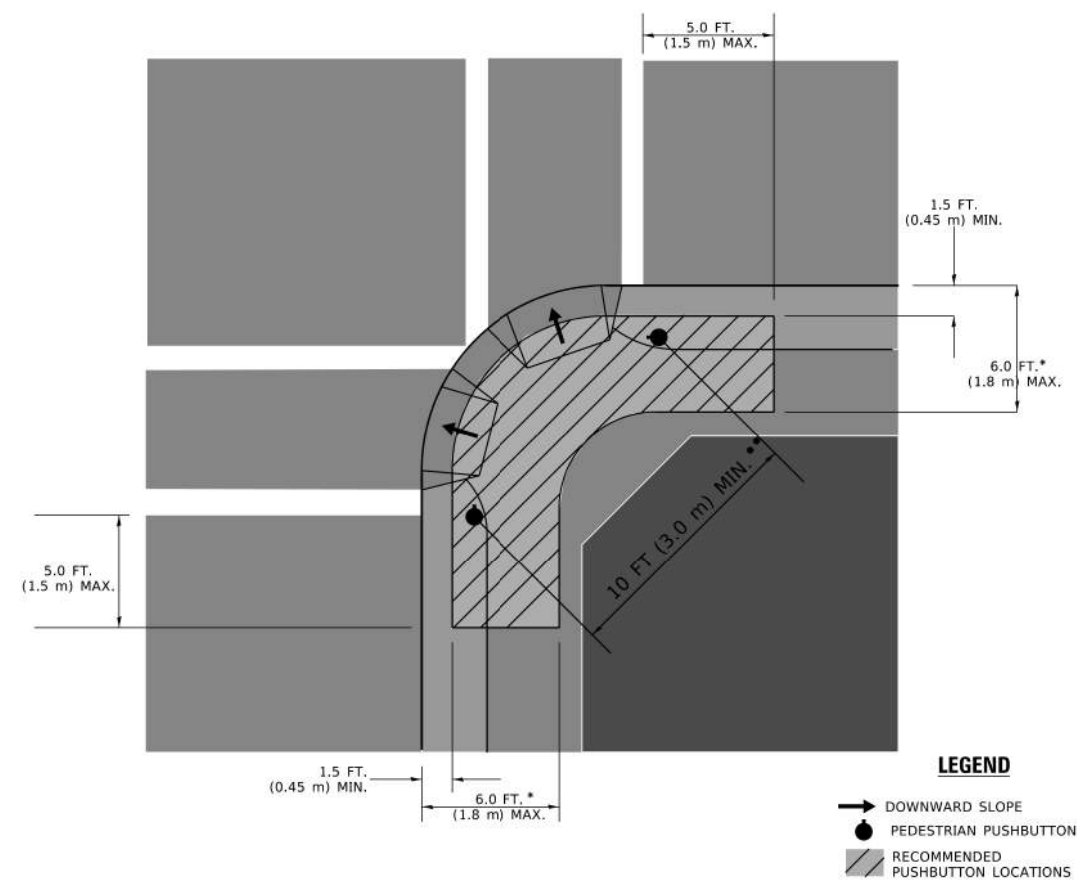
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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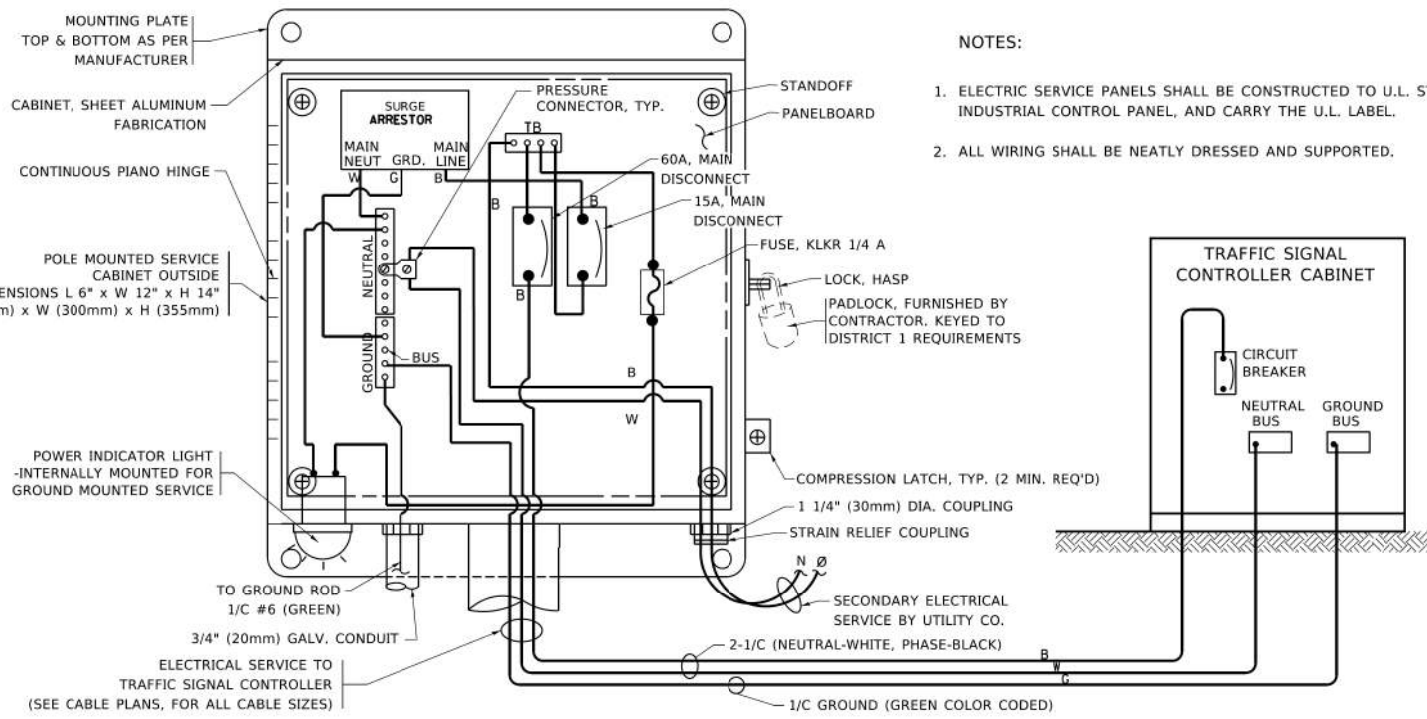
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

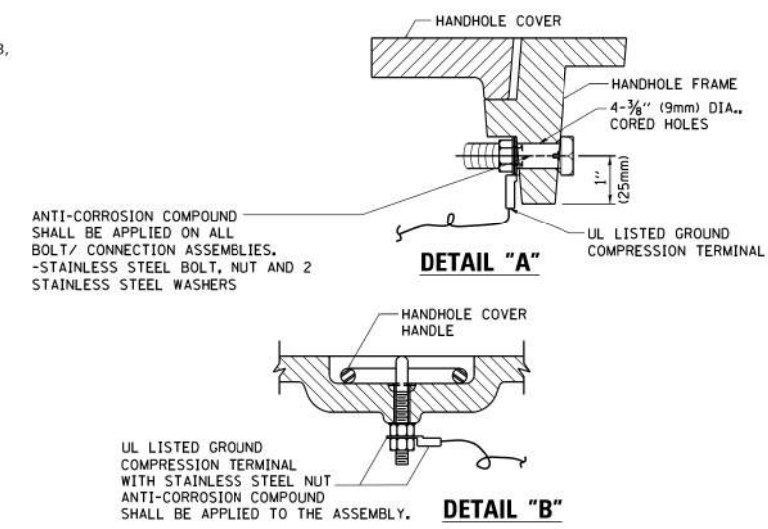
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS		84	53
TS-05			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

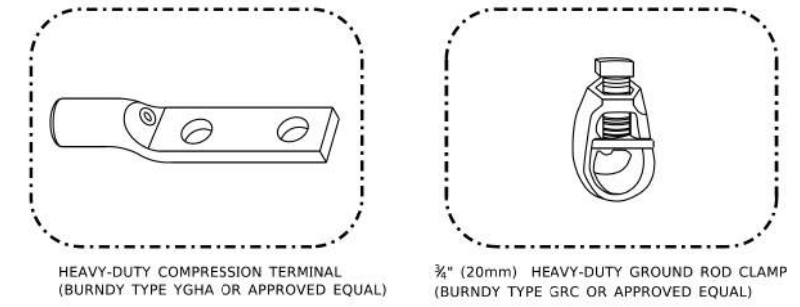


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

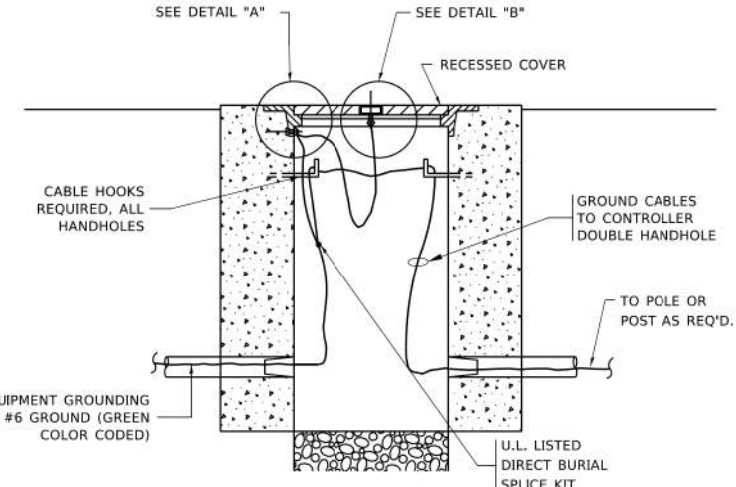


NOTES:
GROUNDING SYSTEM

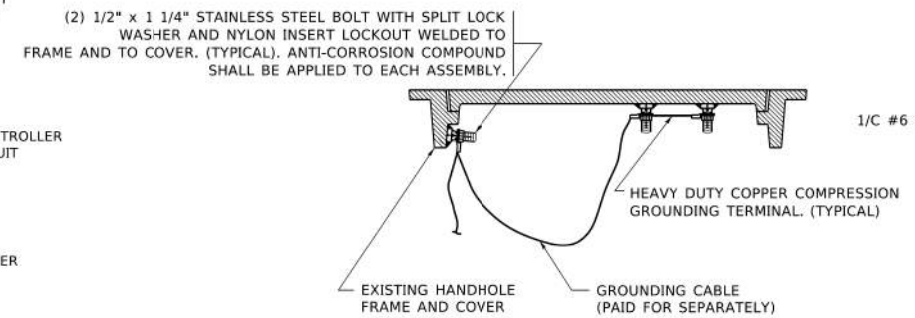
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



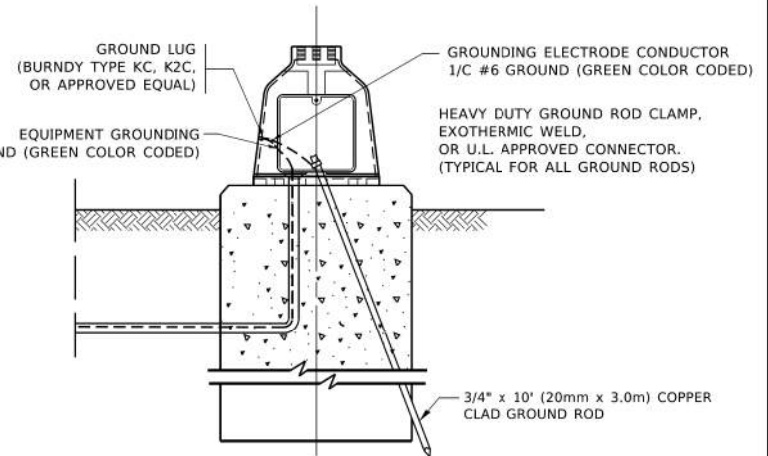
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



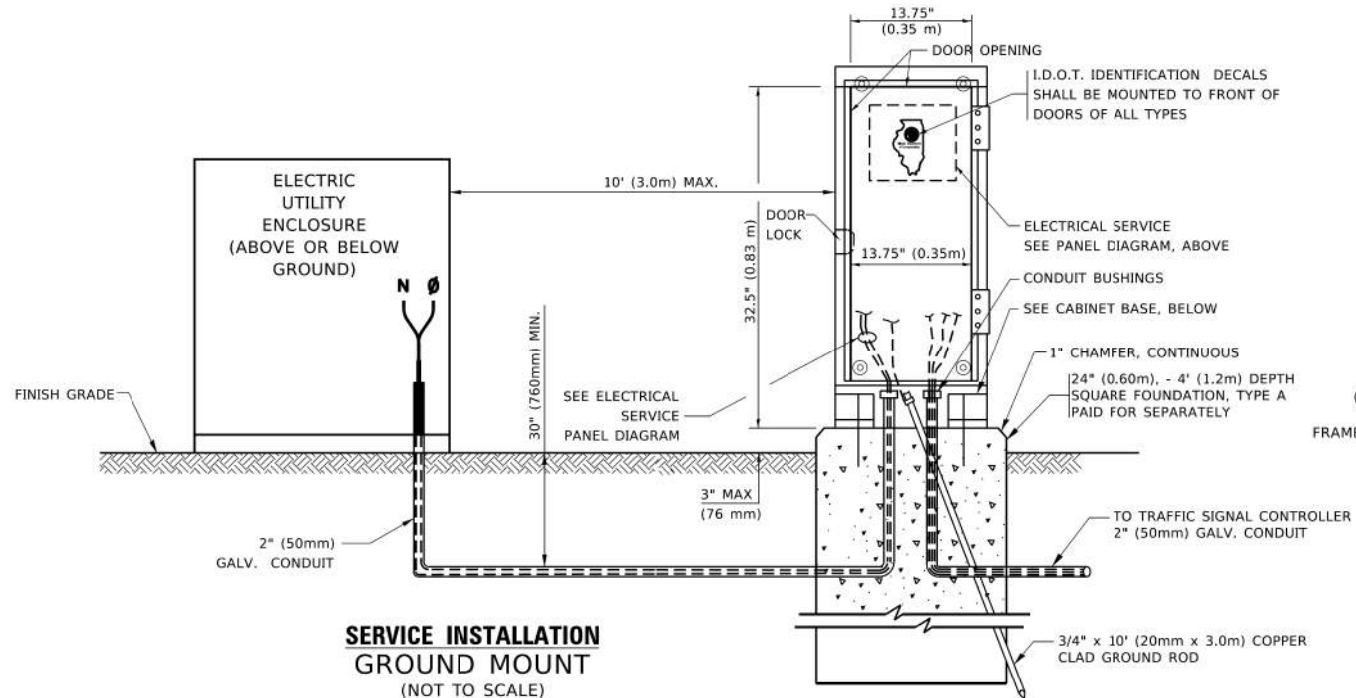
HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

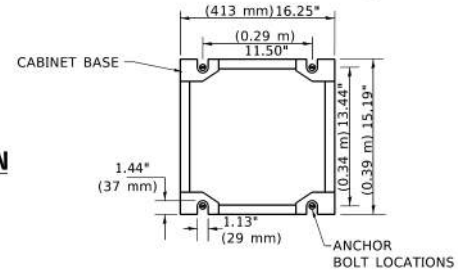


MAST ARM POLE /POST-GROUNDING DETAIL
 (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



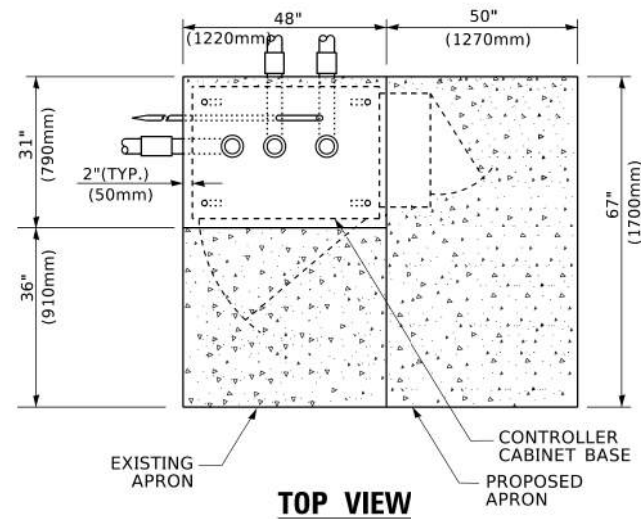
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

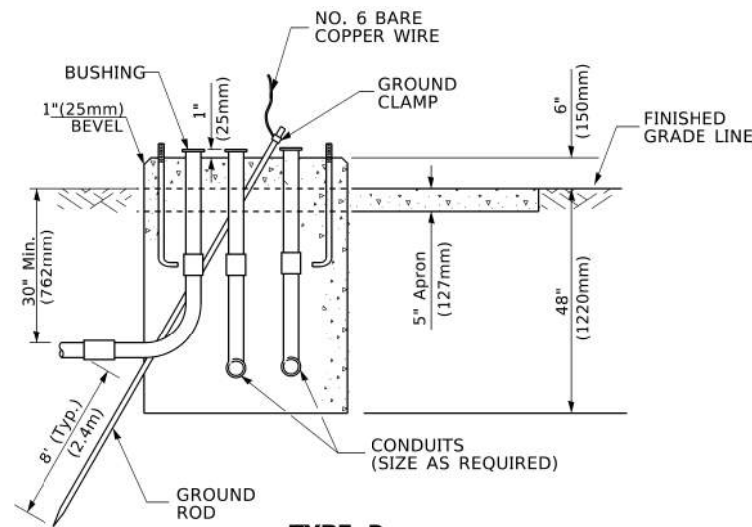
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS		84	54
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

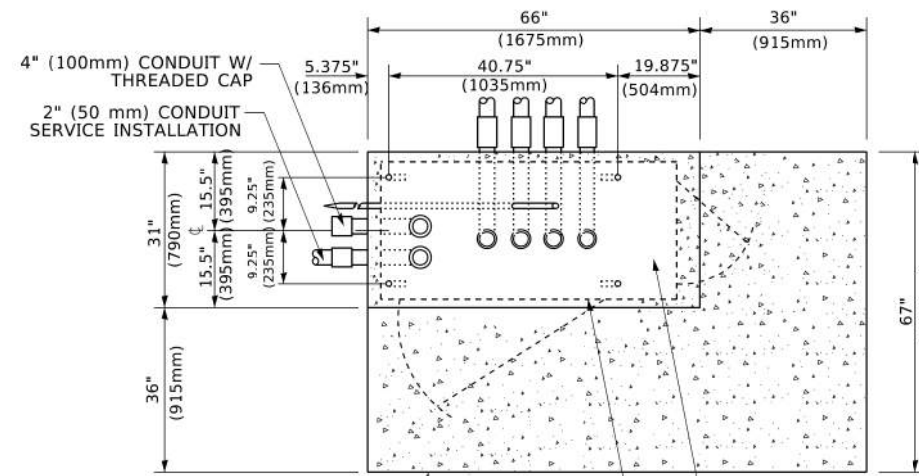
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TOP VIEW



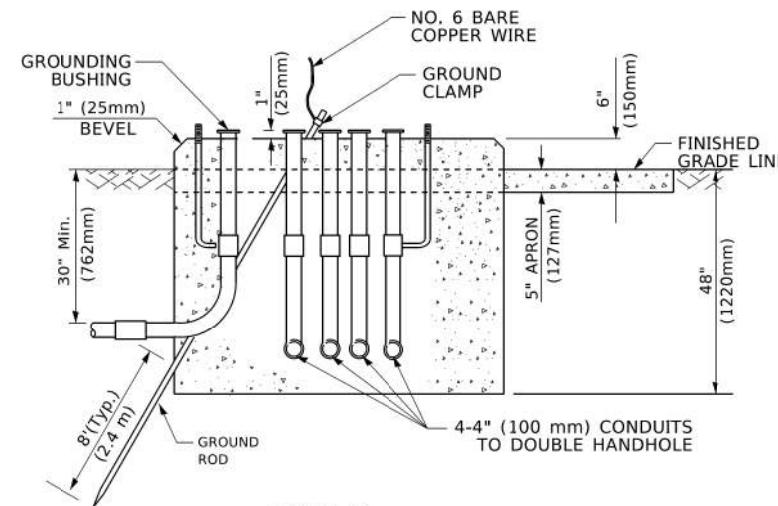
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



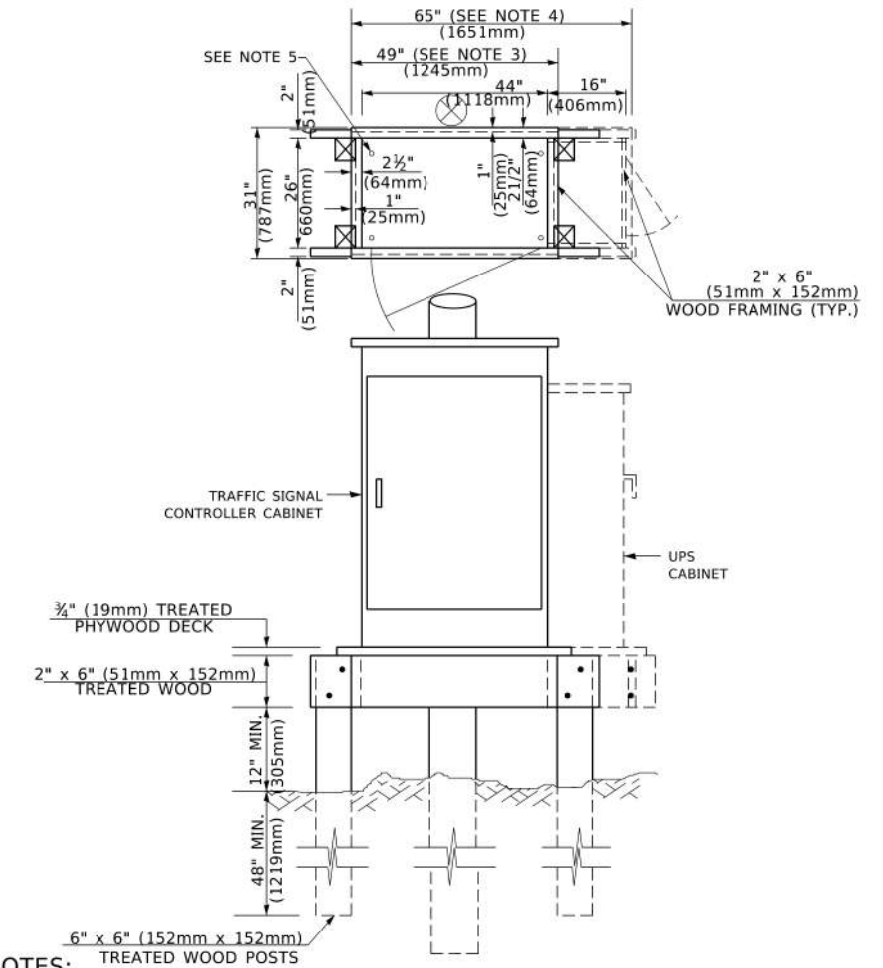
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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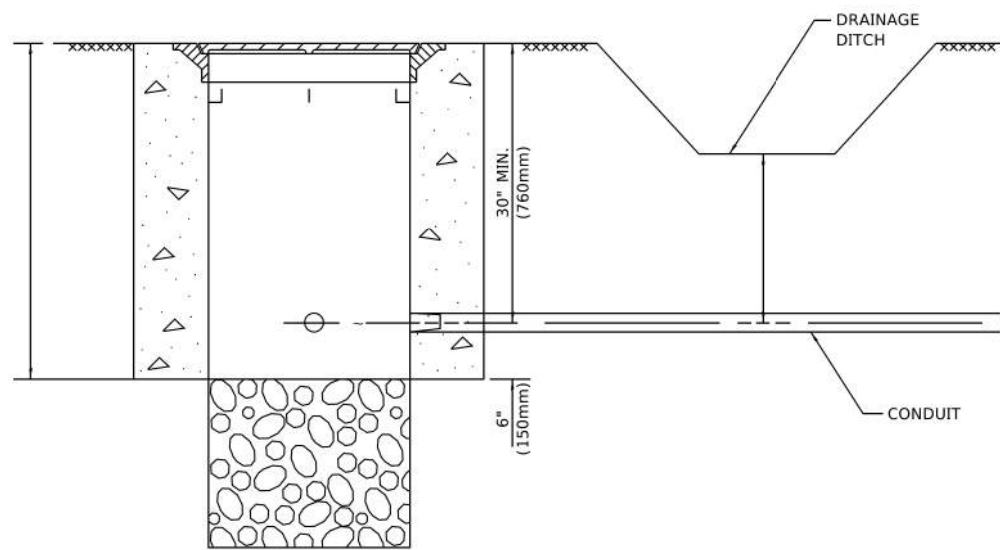
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

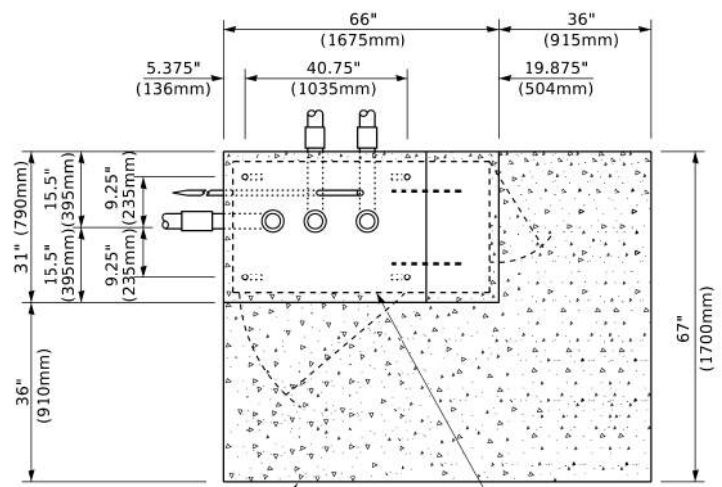
F.A. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY	TOTAL SHEETS 84	SHEET NO. 55
TS-05			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



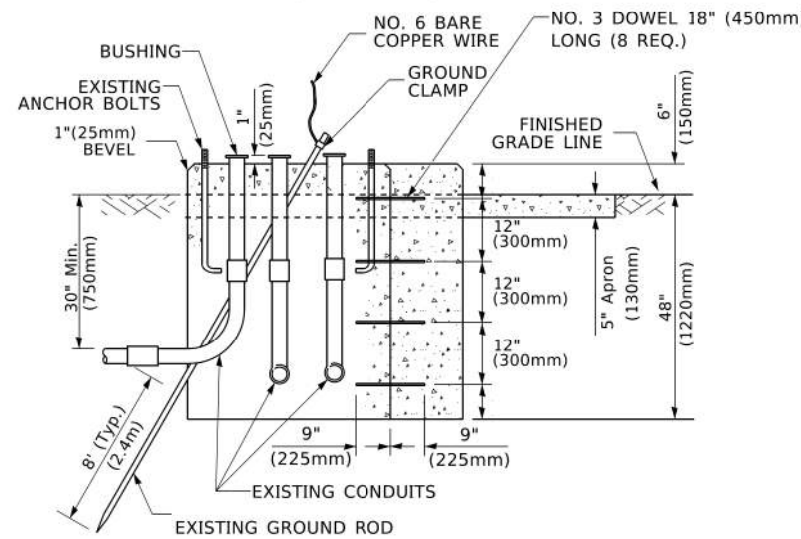
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

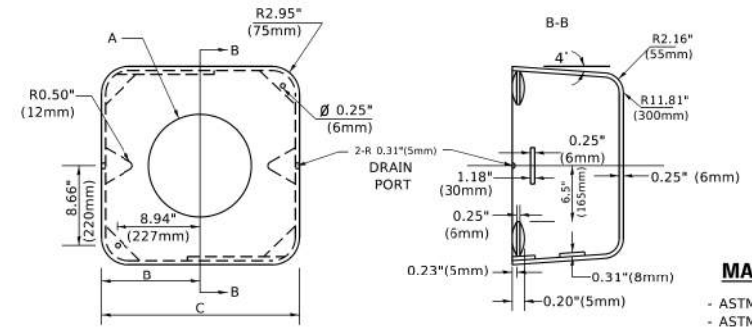
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

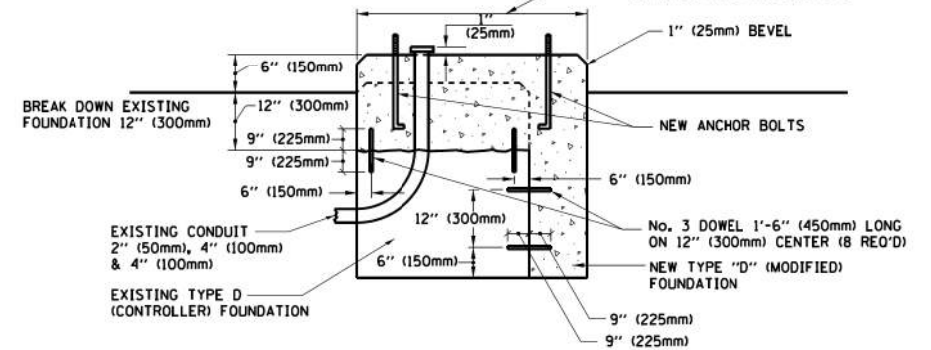
SHROUD

NOTES:

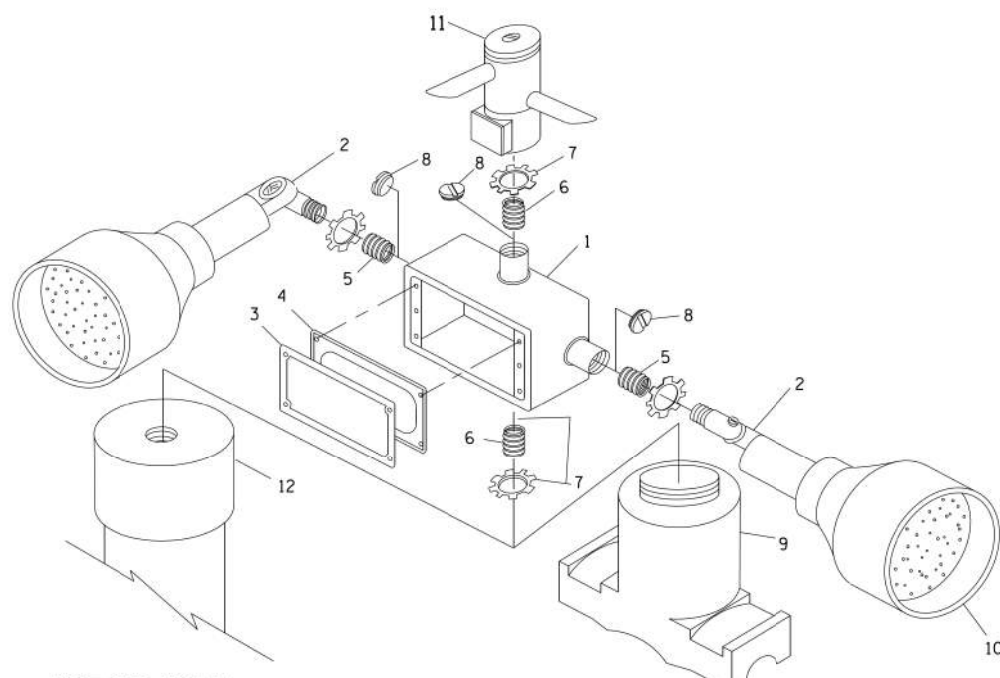
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

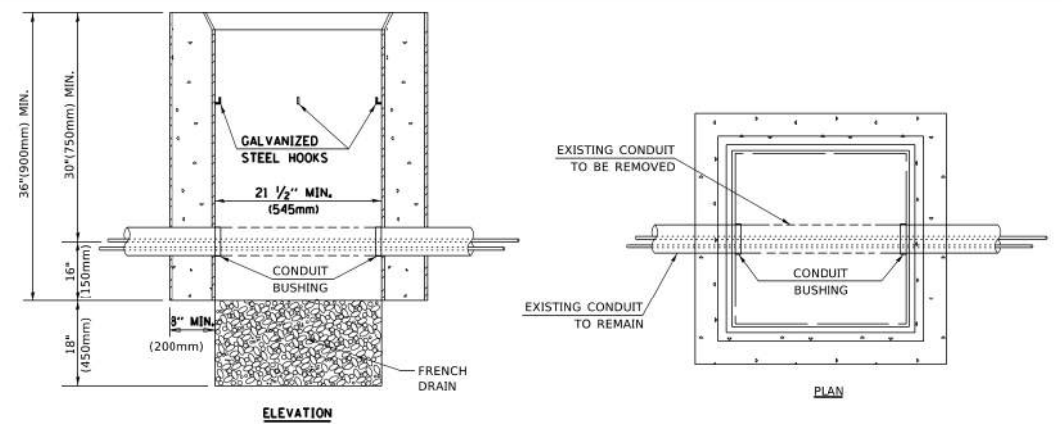


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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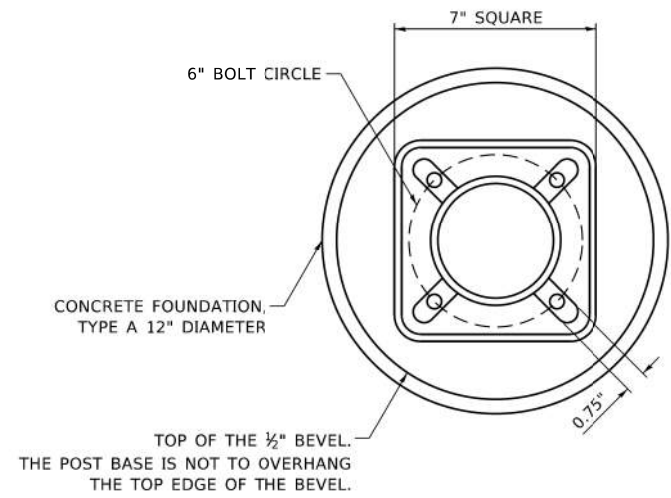
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

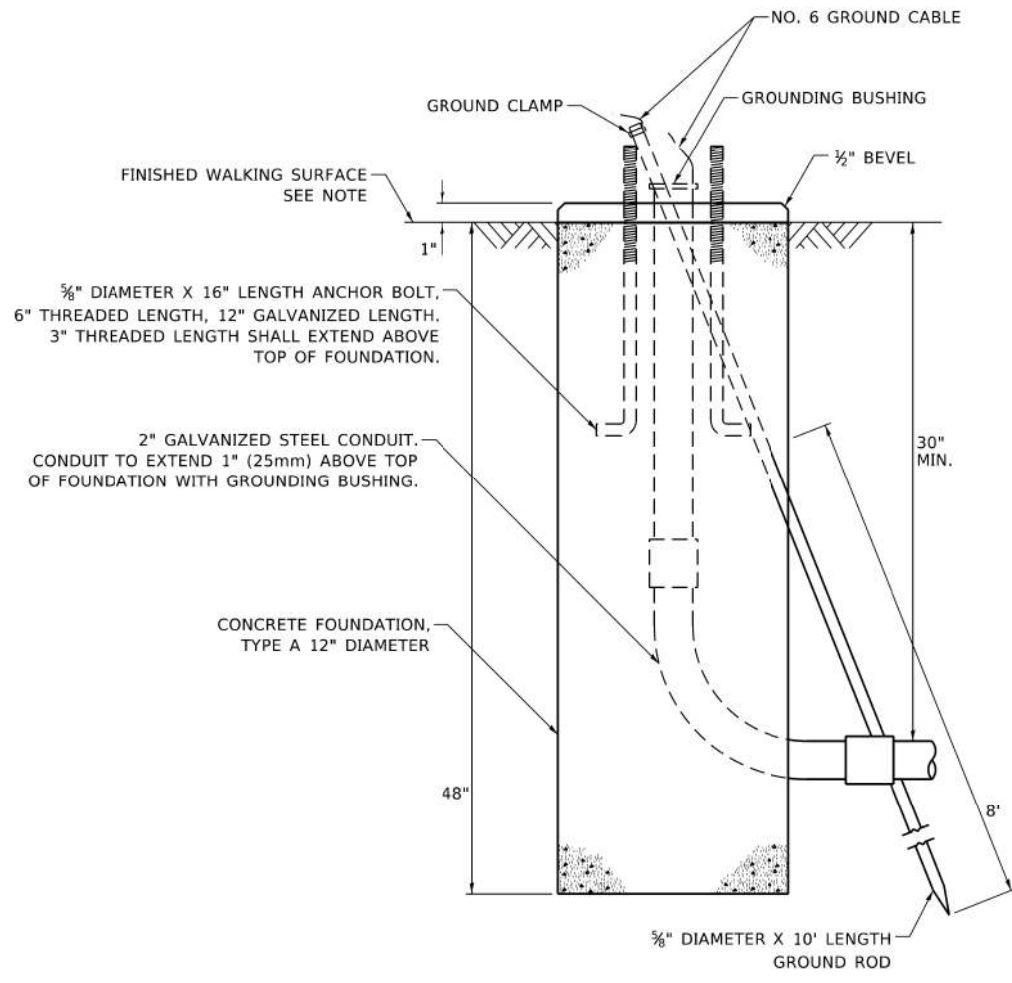
F.A. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY	TOTAL SHEETS 84	SHEET NO. 56
TS-05		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

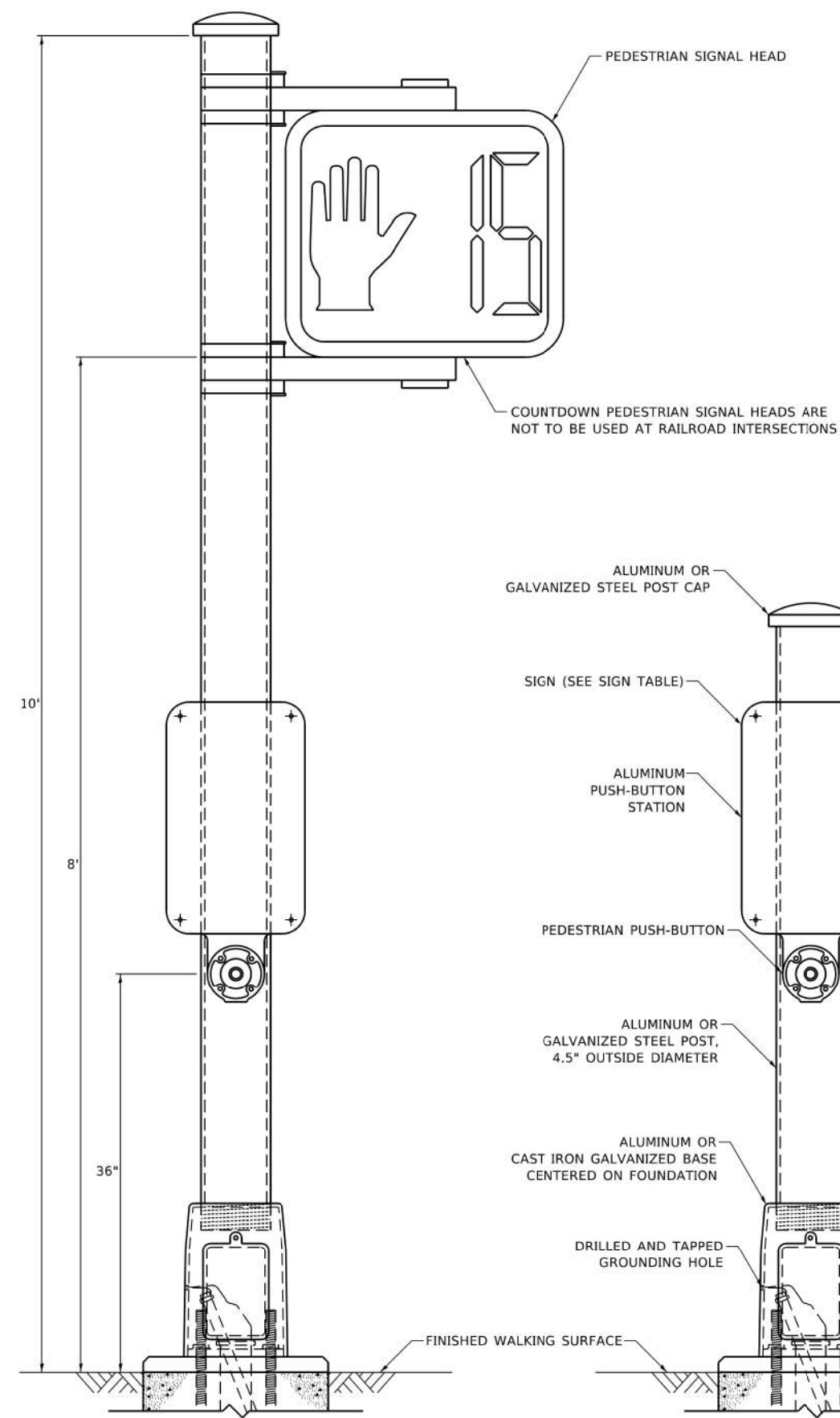


BOLT PATTERN

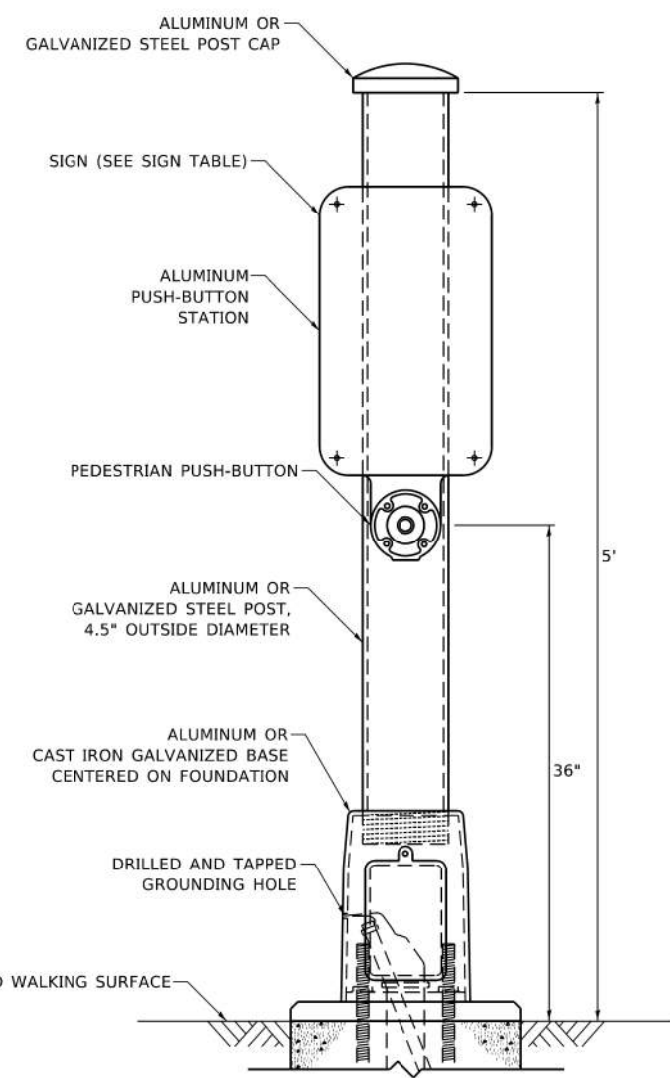
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



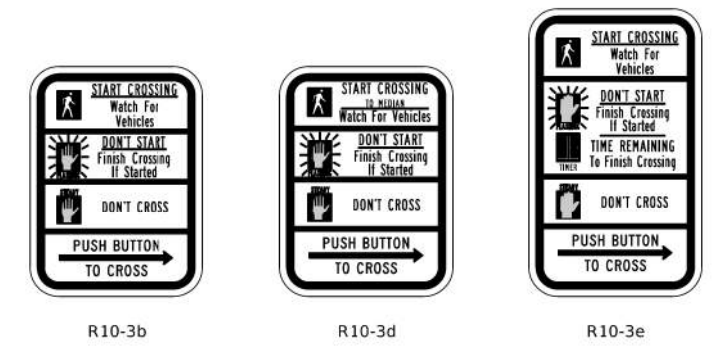
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

NOTES:
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

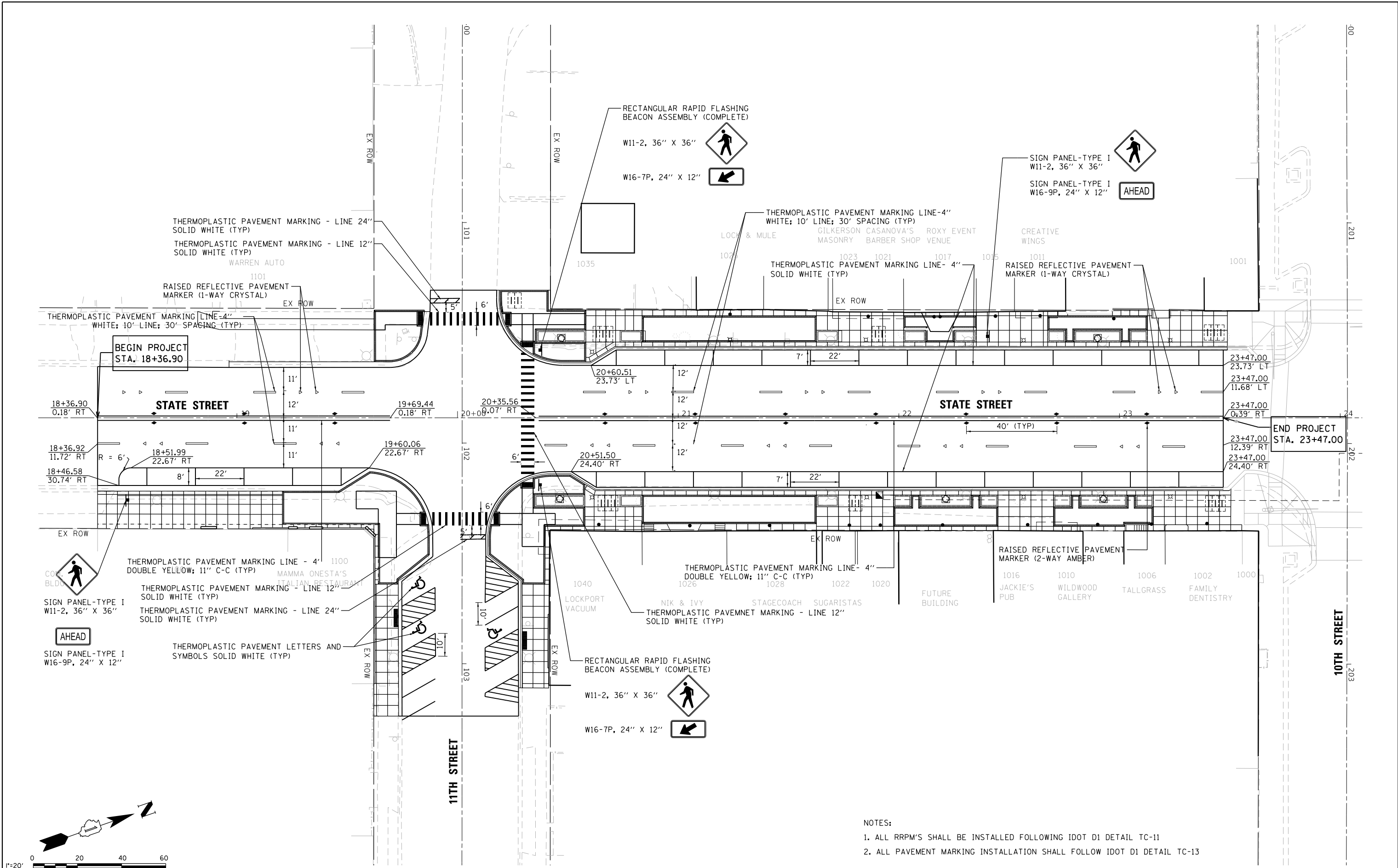
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

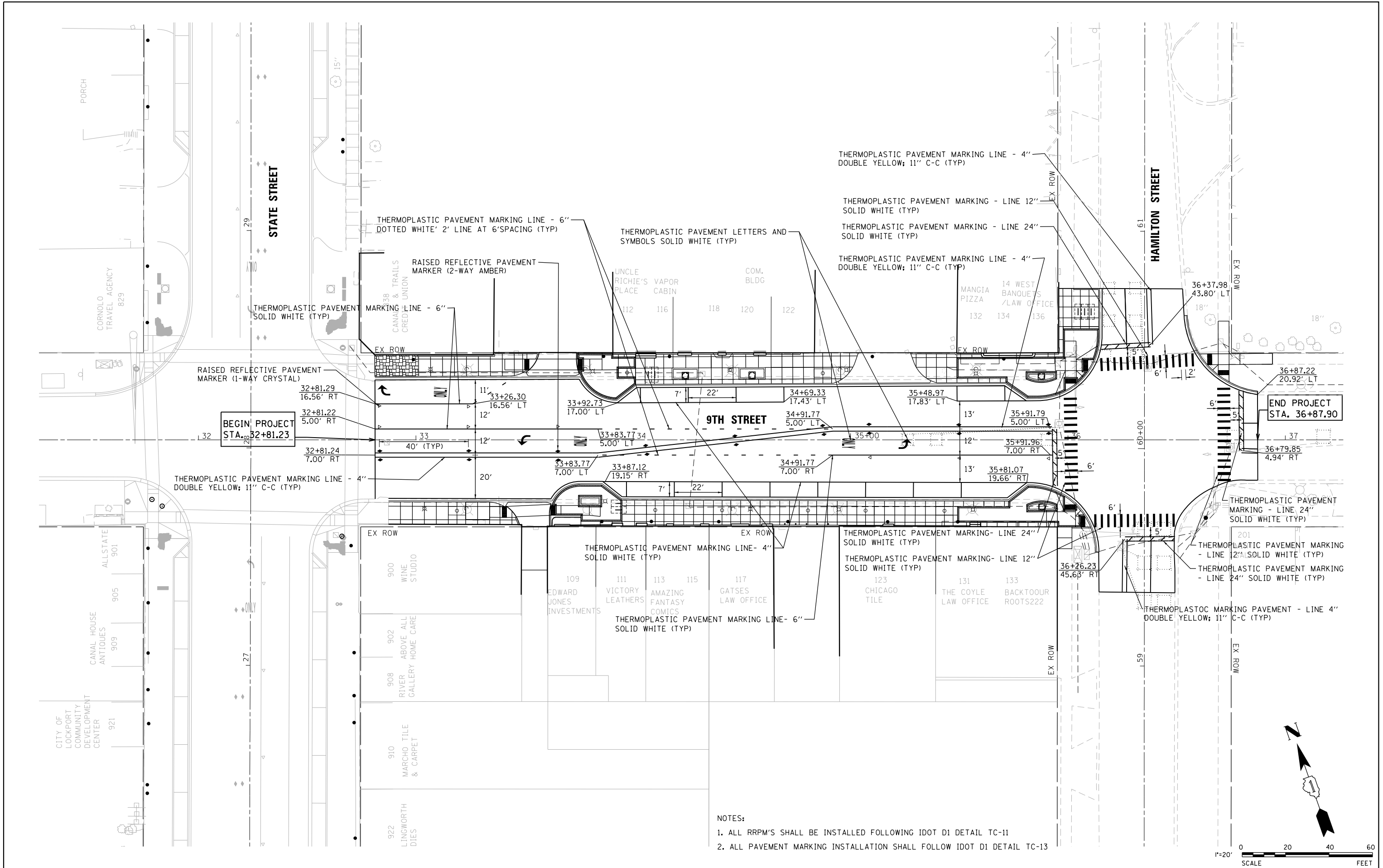
**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**
 SCALE: NTS SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY	TOTAL SHEETS 84	SHEET NO. 57
TS-05			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



- NOTES:
1. ALL RRPMS SHALL BE INSTALLED FOLLOWING IDOT D1 DETAIL TC-11
 2. ALL PAVEMENT MARKING INSTALLATION SHALL FOLLOW IDOT D1 DETAIL TC-13

	USER NAME = msladek DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	S. STATE STREET PAVEMENT MARKING AND SIGNING PLAN	F.A.P. R/E. 351/577 SECTION 19-00089-00-LS COUNTY WILL TOTAL SHEETS 84 SHEET NO. 58
	V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	PLOT SCALE = 40.0000' / in. PLOT DATE = 3/11/2021			SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 18+36.90 TO STA. 24+48.90



- NOTES:
1. ALL RRPMS SHALL BE INSTALLED FOLLOWING IDOT D1 DETAIL TC-11
 2. ALL PAVEMENT MARKING INSTALLATION SHALL FOLLOW IDOT D1 DETAIL TC-13



V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630.724.9200 phone
 630.724.9202 fax
 www.v3co.com

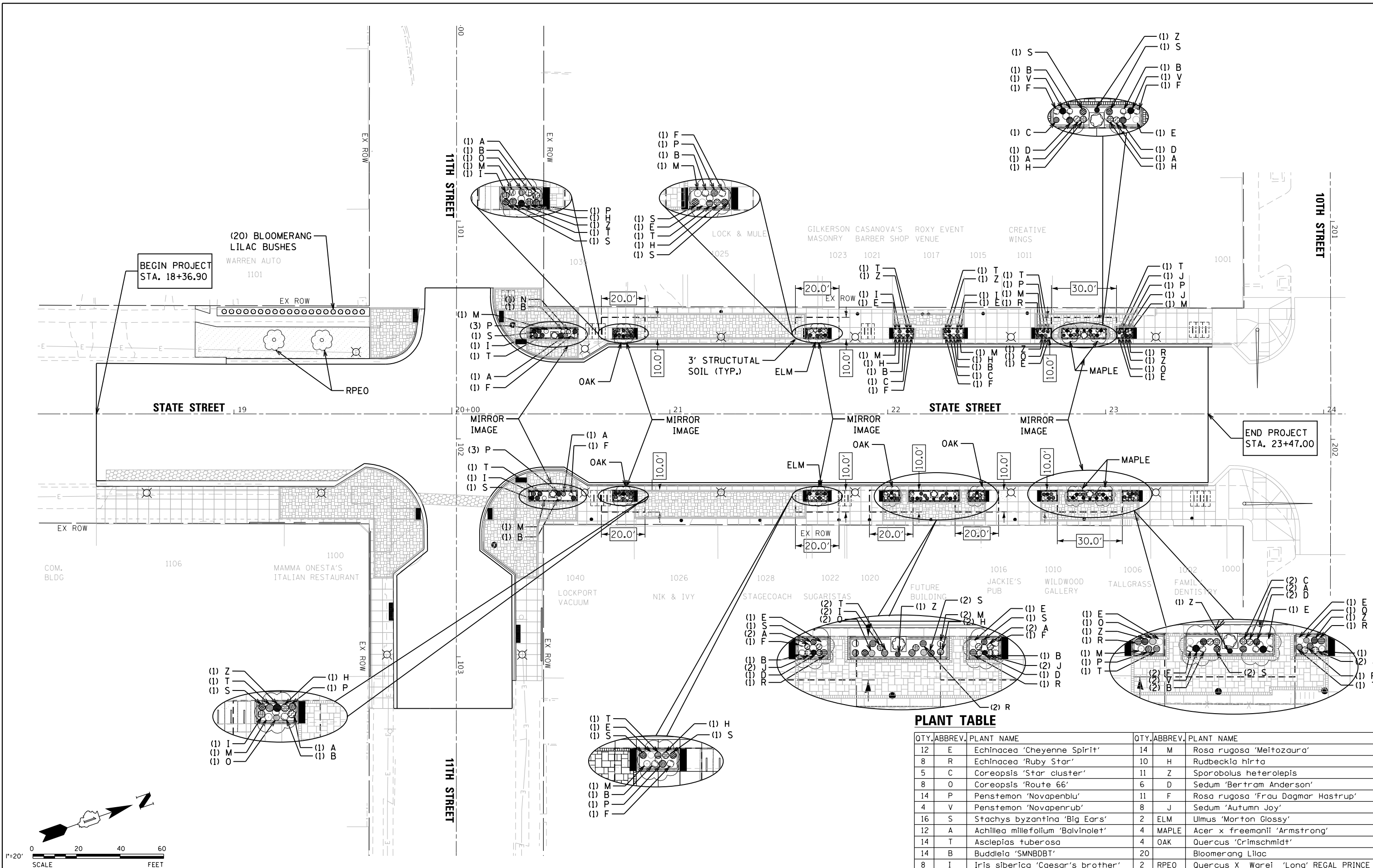
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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
 PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 32+81.23 TO STA. 36+94.11

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 59
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



PLANT TABLE

QTY.	ABBREV.	PLANT NAME	QTY.	ABBREV.	PLANT NAME
12	E	Echinacea 'Cheyenne Spirit'	14	M	Rosa rugosa 'Meitozaura'
8	R	Echinacea 'Ruby Star'	10	H	Rudbeckia hirta
5	C	Coreopsis 'Star cluster'	11	Z	Sporobolus heterolepis
8	O	Coreopsis 'Route 66'	6	D	Sedum 'Bertram Anderson'
14	P	Penstemon 'Novapenblu'	11	F	Rosa rugosa 'Frau Dagmar Hastrup'
4	V	Penstemon 'Novapenrub'	8	J	Sedum 'Autumn Joy'
16	S	Stachys byzantina 'Big Ears'	2	ELM	Ulmus 'Morton Glossy'
12	A	Achillea millefolium 'Balviolet'	4	MAPLE	Acer x freemanii 'Armstrong'
14	T	Asclepias tuberosa	4	OAK	Quercus 'Crimschmidt'
14	B	Buddleia 'SMNBDBT'	20		Bloomerang Lilac
8	I	Iris siberica 'Caesar's brother'	2	RPEO	Quercus X Warei 'Long' REGAL PRINCE

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

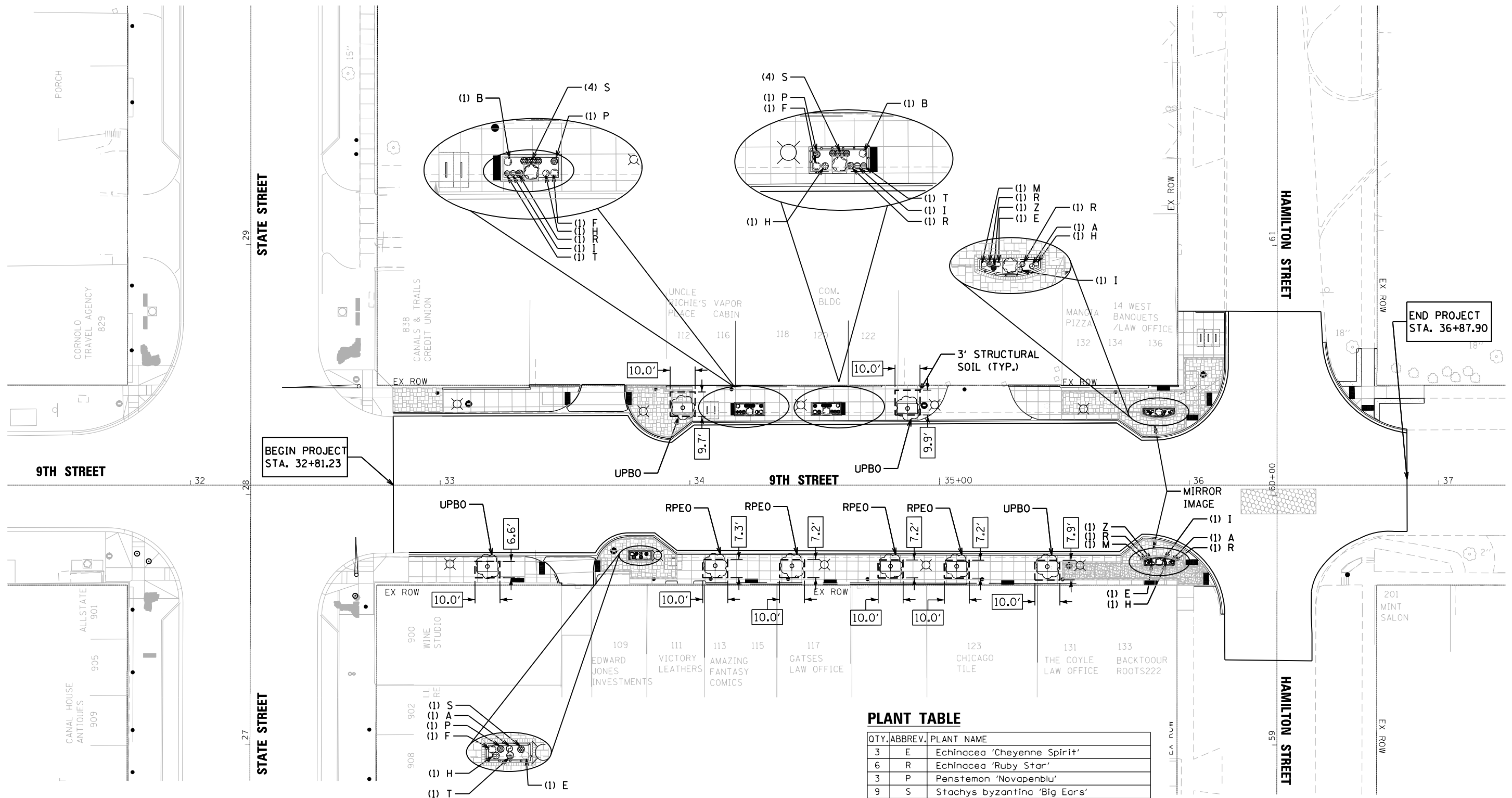
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**S. STATE STREET
LANDSCAPING PLAN**

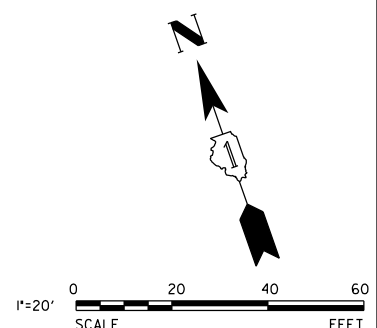
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 18+36.90 TO STA. 24+48.90

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 60
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



PLANT TABLE

QTY.	ABBREV.	PLANT NAME
3	E	Echinacea 'Cheyenne Spirit'
6	R	Echinacea 'Ruby Star'
3	P	Penstemon 'Novapenblu'
9	S	Stachys byzantina 'Big Ears'
3	A	Achillea millefolium 'Balvalolet'
3	T	Asclepias tuberosa
2	B	Buddleia 'SMNDBBT'
4	I	Iris siberica 'Caesar's brother'
2	M	Rosa rugosa 'Meitozaura'
5	H	Rudbeckia hirta
2	Z	Sporobolus heterolepis
3	F	Rosa rugosa 'Frau Dagmar Hastrup'
3	UPBO	Quercus macrocarpa Urban Pinnacle
4	RPEO	Quercus X Warei 'Long' REGAL PRINCE



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = msladek	DESIGNED -	REVISED -
	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 3/11/2021	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. 9TH STREET
LANDSCAPING PLAN**
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 32+81.23 TO STA. 36+94.11

F.A.P. RT.E. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 61
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

TREES

PAY DESCRIPTION	ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE OF PLANTS	TYPE OF ROOTS	QUANTITY
ACER X FREEMANII 'ARMSTRONG'	MAPLE	ACER X FREEMANII	FREEMAN MAPLE	2-1/2" CAL.	BALLED & BURLAPPED	4
QUERCUS X WAREI 'LONG' REGAL PRINCE	RPEO	QUERCUS X WAREI 'LONG'	OAK	2-1/2" CAL.	BALLED & BURLAPPED	6
ULMUS 'MORTON GLOSSY'	ELM	ULMUS MORTON GLOSSY	TRIUMPH ELM	3" CAL.	BALLED & BURLAPPED	2
QUERCUS ALBA X ROBUR 'CRIMSCHMIDT'	OAK	QUERCUS ALBA X ROBUR	CRIMSON SPIRE OAK	2-1/2" CAL.	BALLED & BURLAPPED	4
QUERCUS MACROCARPA JSF-KW3	UPBO	QUERCUS MACROCARPA JSF-KW3	URBAN PINNACLE BUR OAK	2" CAL.	BALLED & BURLAPPED	3

SHRUBS

PAY DESCRIPTION	ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE OF PLANTS	TYPE OF ROOTS	QUANTITY
BUDDLEIA 'SMNBDBT'	B	BUDDLEIA 'SMNBDBT'	PUGSTER BLUE BUTTERFLY BUSH	2 GALLON	CONTAINER	16
ROSA RUGOSA 'MEITZAURA'	M	ROSA RUGOSA 'MEITZAURA'	RASBERRY RUGOSTAR ROSE	5 GALLON	CONTAINER	16
SYRINGA SMSJBP7	--	SYRINGA SMSJBP7	BLOOMERANG DARK PURPLE LILAC	3 GALLON	CONTAINER	20
ROSA RUGOSA 'FRAU DAGMAR HASTRUP'	F	ROSA RUGOSA 'FRAU DAGMAR HASTRUP'	FRAU DAGMAR HASTRUP	5 GALLON	CONTAINER	14

PERENNIALS

PAY DESCRIPTION	ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE OF PLANTS	TYPE OF ROOTS	QUANTITY
ECHINACEA 'CHEYENNE SPIRIT'	E	ECHINACEA 'CHEYENNE SPIRIT'	CHEYENE SPIRIT CONEFLOWER	1 GALLON	CONTAINER	15
ECHINACEA 'RUBY STAR'	R	ECHINACEA PURPUREA RUBINSTERN	RUBY STAR CONEFLOWER	1 GALLON	CONTAINER	14
COREOPSIS 'STAR CLUSTER'	C	COREOPSIS 'STAR CLUSTER'	STAR CLUSTER TICKSEED	1 GALLON	CONTAINER	5
COREOPSIS 'ROUTE 66'	O	COREOPSIS 'ROUTE 66'	ROUTE 66 THREADLEAF COREOPSIS/TICKSEED	1 GALLON	CONTAINER	8
PENSTEMON 'NOVAPENBLU'	P	PENSTEMON 'NOVAPENBLU'	ROCK CANDY BLUE BEARDTONGUE	1 GALLON	CONTAINER	17
PENSTEMON 'NOVAPENRUB'	V	PENSTEMON 'NOVAPENRUB'	PENSTEMON ROCK CANDY	1 GALLON	CONTAINER	4
STACHYS BYZANTINA 'BIG EARS'	S	STACHYS BYZANTINA 'BIG EARS'	LAMB'S EAR	1 GALLON	CONTAINER	25
ACHILLEA MILLEFOLIUM 'BALVINOLET'	A	ACHILLEA MILLEFOLIUM 'BALVINOLET'	YARROW	1 GALLON	CONTAINER	15
ASCLEPIAS TUBEROSA	T	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	1 GALLON	CONTAINER	17
IRIS SIBERICA 'CAESAR'S BROTHER'	I	IRIS SIBERICA 'CAESAR'S BROTHER'	SIBERIAN IRIS	1 GALLON	CONTAINER	12
RUDBECKIA HIRTA	H	RUDBECKIA HIRTA	BLACK-EYED SUSAN	1 GALLON	CONTAINER	15
SPOROBOLUS HETEROLEPIS	Z	SPOROBOLUS HETEROLEPIS	PAIRIE DROPSEED	1 GALLON	CONTAINER	13
SEDUM 'BERTRAM ANDERSON'	D	SEDUM 'BERTRAM ANDERSON'	STONECROP	1 GALLON	CONTAINER	6
SEDUM 'AUTUMN JOY'	J	SEDUM 'AUTUMN JOY'	STONECROP	1 GALLON	CONTAINER	8



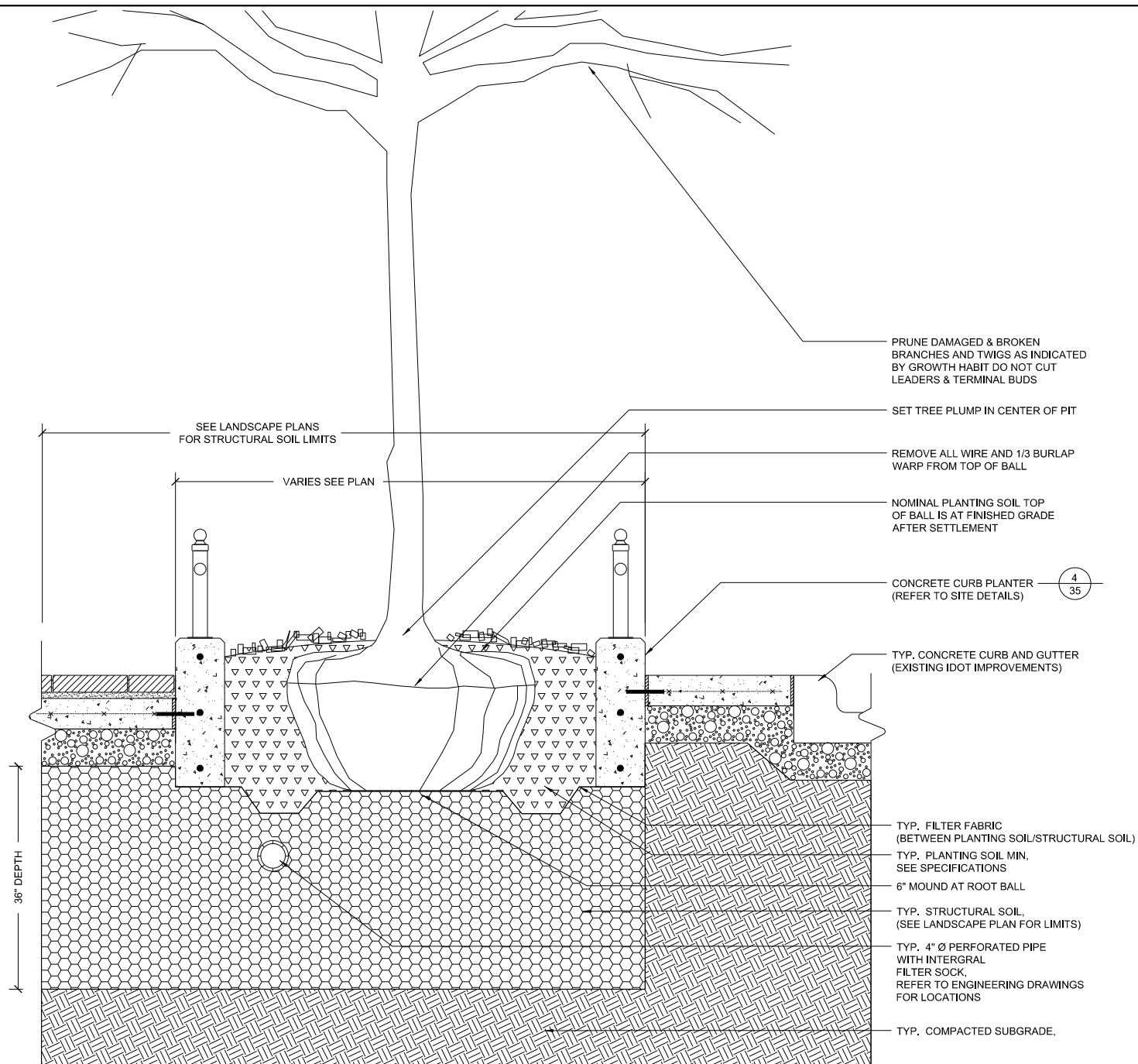
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	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/11/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING SCHEDULE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 62
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

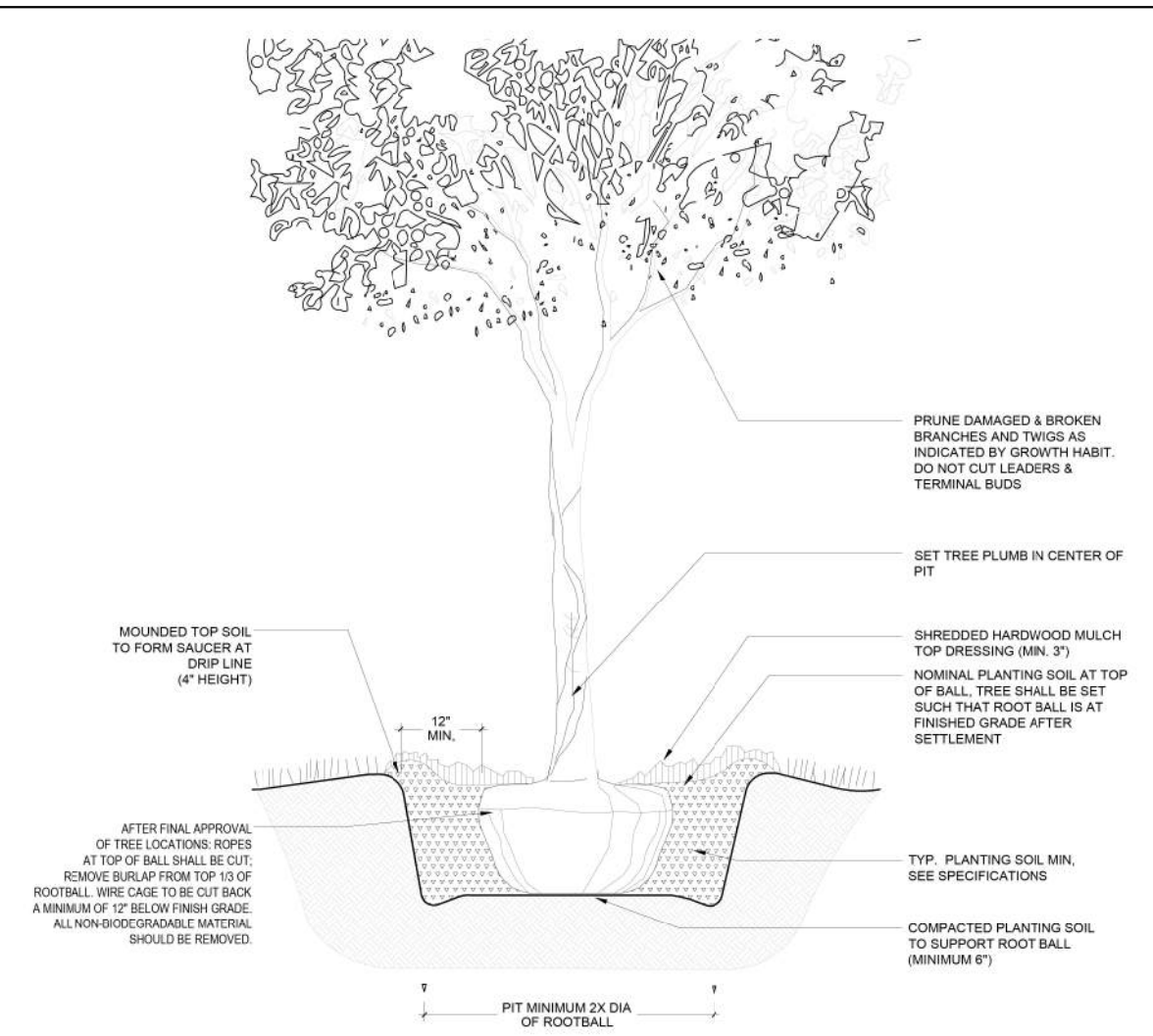


1 TYPICAL DECIDUOUS TREE IN CONCRETE CURB PLANTER
N.T.S.

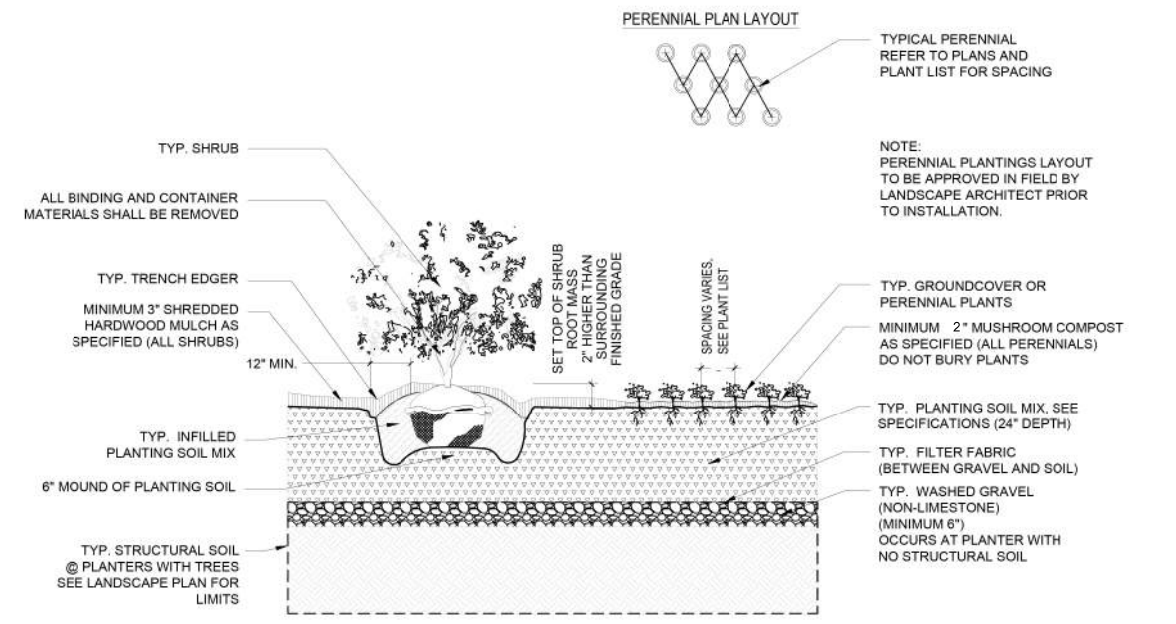
- DECIDUOUS TREES:**
1. TREES SHALL BEAR SAME RELATION TO FINISHED GRADE AS THEY DID TO PREVIOUSLY EXISTING GRADE ON SITE OR IN NURSERY.
 2. DO NOT ALLOW AIR POCKETS TO FORM IN SOIL WHEN BACKFILLING.
 3. TREE STAKING/GUYING SHOULD BE REVIEWED WITH LANDSCAPE ARCHITECT WHEN CONTRACTOR DEEMS IT NECESSARY.
 5. ROOT FLARE OF TREE TO BE SET NO MORE THAN 3" ABOVE FINISHED GRADE.
 6. TREES PLANTED WITHIN OR ADJACENT TO PAVING SHALL BE PLANTED WITH ROOT FLARE NO MORE THAN 1" ABOVE ADJACENT GRADE.
 7. IF PITS ARE MACHINE EXCAVATED, & GLAZING IS PRONOUNCED, ALL SIDES OF PIT ARE TO BE SCARIFIED.
 8. SOAK PLANTS WITH WATER IMMEDIATELY AFTER INSTALLATION.

- SHRUBS:**
1. DO NOT ALLOW AIR POCKETS TO FORM IN SOIL WHILE BACKFILLING.
 2. SOAK PLANTS WITH WATER IMMEDIATELY AFTER INSTALLATION.
 3. DO NOT BREAK ROOTBALL.
 4. IF B&B MATERIAL, REMOVE BURLAP & STRING FROM TOP 1/3 OF ROOTBALL. IF CONTAINERIZED, LOOSEN ROOT MASS SIGNIFICANTLY BY HAND OR CUT ROOT MASS VERTICALLY WITH KNIFE ON 4 SIDES TO A DEPTH OF 1" & CUT BOTTOM OF ROOT MASS IN SAME MANNER IN AN 'X' PATTERN.

- PERENNIALS & GROUNDCOVER:**
1. DO NOT ALLOW AIR POCKETS TO FORM IN SOIL WHILE BACKFILLING.
 2. SOAK PLANTS IMMEDIATELY WITH WATER AFTER INSTALLATION.
 3. LOOSEN ROOT MASS SIGNIFICANTLY BY HAND OR CUT ROOT MASS VERTICALLY WITH KNIFE ON 4 SIDES TO A DEPTH OF 1" & CUT BOTTOM OF ROOT MASS IN SAME MANNER IN AN 'X' PATTERN.
 4. PLANT APPROXIMATELY 1" ABOVE PLANTING MEDIA TO ALLOW FOR TYPICAL DRESSING OF MULCH.
 5. SOAK PLANTS WITH WATER IMMEDIATELY AFTER INSTALLATION.



2 TYPICAL DECIDUOUS TREE IN LAWN
N.T.S.



3 TYPICAL SHRUB, PERENNIAL AND GROUNDCOVER PLANTING IN CURB PLANTER
N.T.S.



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630.724.9200 phone
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PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING DETAILS

SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G95	

General Planting Notes

GENERAL CONDITIONS

1. Contractor shall familiarize themselves with all landscape plans, details specifications prior to commencement of work. Any questions or concerns shall be directed to Project Engineer or Landscape Architect in writing prior to landscape work commencement.
2. The Landscape Contractor shall keep all areas clean and orderly at all times.
3. The Landscape Contractor shall keep all roadways and walkways clear of mud and debris that result from landscape operations.

SITE GRADING & DRAINAGE

4. Refer to Engineering Plans for all site grading and drainage information. All grading, drainage, and utilities shall be evaluated in the field for conflict points. Landscape Architect and Project Engineer shall review and approve prior to finished grading.
5. All grading and drainage shall be properly pitched to existing or proposed drainage inlets or structures. Landscape Architect and Project Engineer shall field verify and approve.

SOIL & PLANTING MIX

6. All soil planting mix for backfill or beds, whether from on-site stockpile or new imported soil, shall be tested for approved specified pH levels and nutrient content. Submit testing agency with laboratory report to project Landscape Architect for approval, along with recommendations to amending soil as appropriate for use in planting.
7. Topsoil shall be clean, pulverized soil from an acceptable source. Topsoil shall be free of debris, stones, and other material not more than one inch (1") diameter in size. Contractor shall provide the Landscape Architect with receipt of soil source and soil test results from a qualified lab upon request.
8. It is anticipated that all planting areas, including lawn, shall be thoroughly tilled to a minimum of 12-18" depth. All on-site topsoil shall be amended and reused as approved, or removed off-site and disposed of properly. New planting soil mix consisting of pulverized topsoil and mushroom compost shall be installed and properly compacted to the depths noted in the following specifications and landscape planting details.
9. Clean topsoil mix should have a tested and approved pH of 6.0 – 7.0
10. Raised curb planting beds shall be filled with planting soil mix as specified in the details.
11. The Landscape Contractor shall prepare all at grade planting beds/sod lawn areas by adding soil amendments to approved on-site or imported topsoil mix in the following quantities:
Trees and Shrubs: three (3) parts topsoil, (1) part peat, and one (1) part sand
Perennials and Groundcovers: three (3) parts topsoil, one (1) part peat, and two (2) parts decomposed mushroom compost. (See Specifications)
12. All excess materials and spoils resulting from the landscape work shall be legally disposed of off-site by the Landscape Contractor.

PLANTING STANDARDS

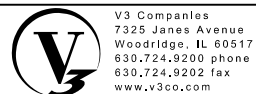
13. All plant material shall be top-quality grade, free of defects, and meet accepted horticultural standards established by the American Nurserymen's Association (AAN) and as deemed appropriate by Landscape Architect. Landscape Architect shall have the right to reject any, and all, plant material delivered to the site that does not meet acceptable standards.
14. Sizes shown on plant schedule are minimum acceptable sizes.
15. All plants to be balled-in-burlap or container-grown as specified in plant schedule. All plastic root wrapping material shall be removed.
16. All new and transplanted plants to be sprayed with an antidesecant within twenty-four (24) hours after planting. Antitranspirant shall be "Wiltpruf" or an approved equal.
17. Landscape Architect shall field verify and approve all final staked tree, shrub, and perennial bed locations prior to installation.
18. The Landscape Contractor shall repair to its original condition any plant material which becomes damaged as a result of landscape operations.
19. All perennials shall be planted at least two (2) feet from the tree trunks planted within planting areas.
20. Landscape Architect shall approve all plant materials for quality, condition and specified sizes. Plant material shall be approved at nursery location, during tagging or before removal and transport to job site. Shrubs, perennials and groundcovers shall be approved at job site prior to installation.

FERTILIZER & MULCHING

21. Prior to mulching tree and shrub planting areas, apply time-release fertilizer by broadcasting over entire planting areas. Rate is to manufacturer's recommendations. Fertilizer is to have no less than 10% available phosphoric acid, and 3-8% total nitrogen soluble potash.
22. All plantings shall receive a slow-release fertilizer with a ratio of 10/10/10.
23. All trees and shrub beds shall receive a minimum of (3") thick shredded hardwood mulch top-dressing.
24. All perennials and groundcover beds shall be top-dressed with two inches (2") minimum of mushroom compost.

MAINTENANCE & WARRANTIES

25. All plants shall be thoroughly watered in at time of planting and watered and maintained throughout construction until final acceptance by owner. Contractor shall water all plants immediately after planting. Flood plants twice during the first twenty-four (24) hours after planting.
26. Landscape Contractor shall warranty all trees, shrubs, perennials, and ornamental grasses under this contract will be healthy and in flourishing condition of active growth one year from date of final acceptance.
27. All newly sodded or seeded areas shall be maintained, watered, and mowed throughout their growing seasons during construction and until final acceptance by owner.
28. Guarantee specifications are as follows: the contractor shall provide the owner with a bonded written one-year warranty agreement beginning on the first day of the owner's possession. this agreement shall provide for the replacement of dead or dying plant material. the contractor shall provide the owner with a typewritten list of specific maintenance instructions for each type of plant installed with the written agreement and bond.



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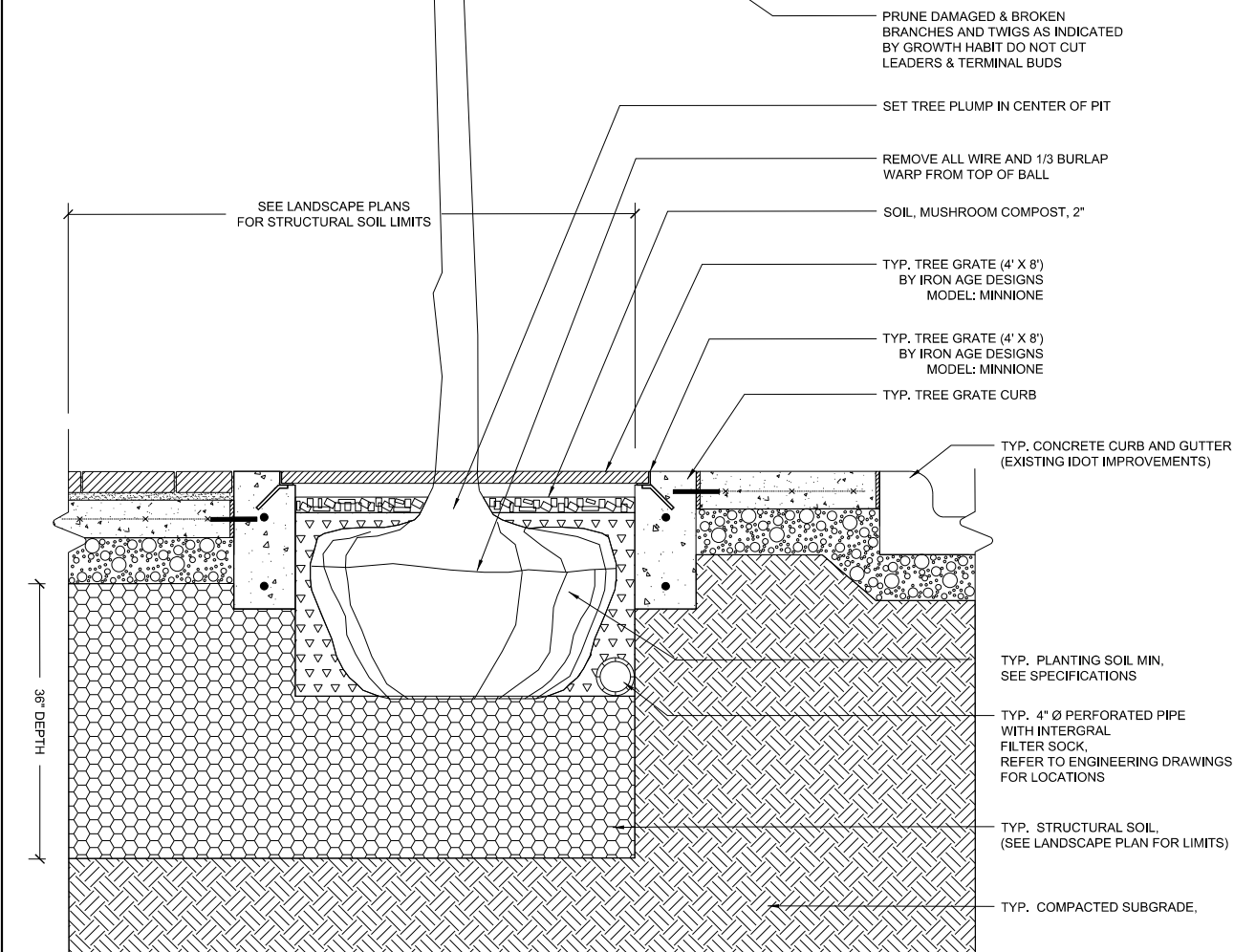
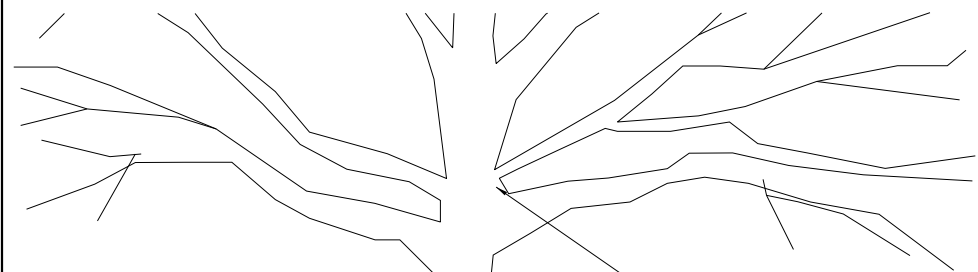
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	DRAWN -	REVISED -
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PLOT DATE = 3/11/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

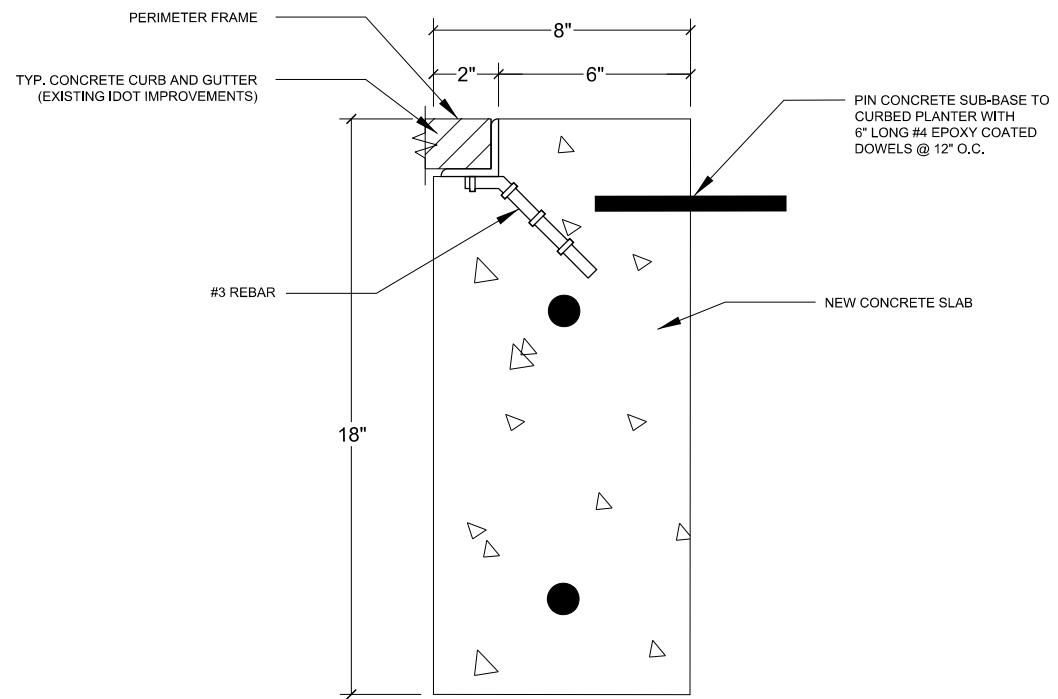
LANDSCAPING DETAILS

SCALE: NTS SHEET 2 OF 3 SHEETS STA. TO STA.

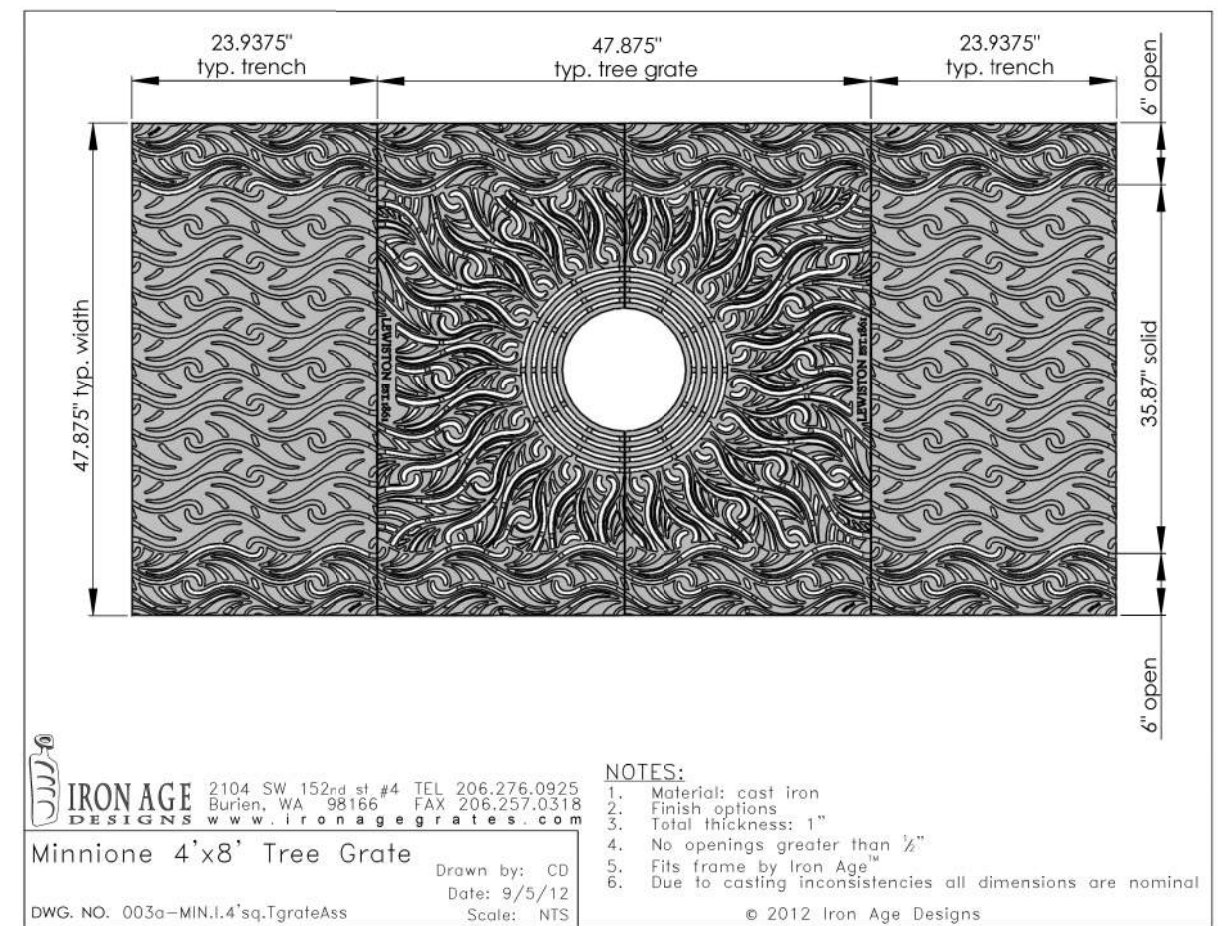
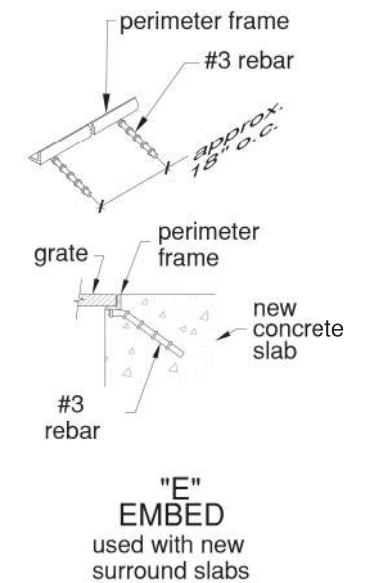
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	64
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



1 TYPICAL TREE PLANTING IN GRATE
NOT TO SCALE



2 TYPICAL TREE GRATE FRAME
NOT TO SCALE



3 TYPICAL TREE GRATE. MANUFACTURER DETAIL FOR INFORMATION ONLY MATERIAL SUPPLIED BY CITY
NOT TO SCALE



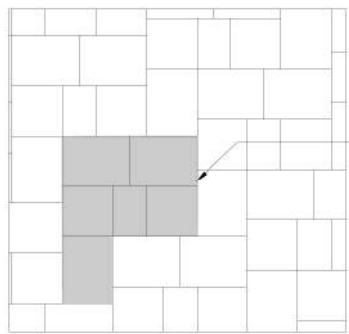
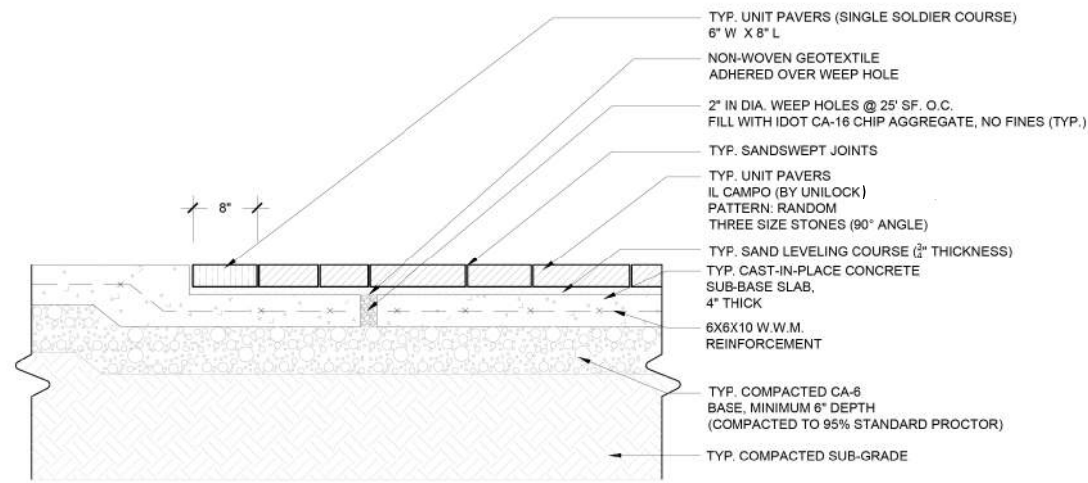
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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING DETAILS

SCALE: NTS SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	65
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

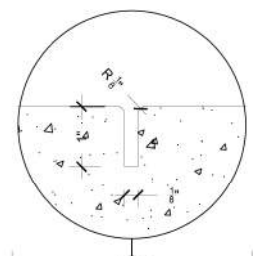
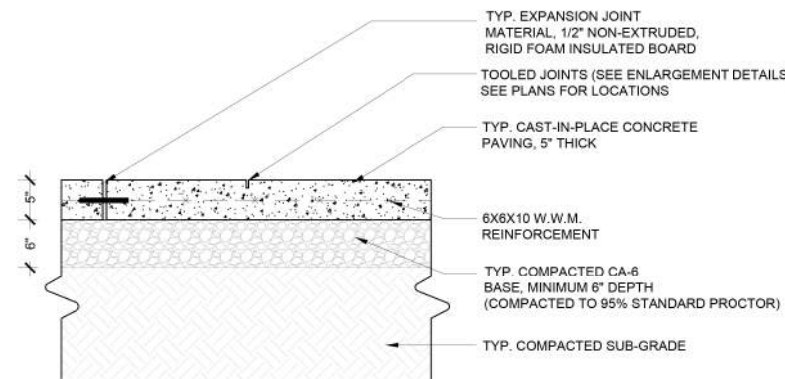


PLAN VIEW

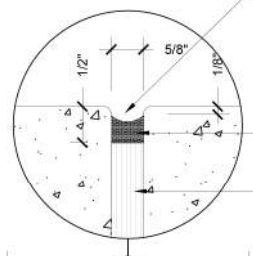
TYP. UNIT PAVERS
IL CAMPO (BY UNILOCK)
COLOR: BAVARIAN BLEND
PATTERN: RANDOM BUNDLE (PATTERN H)
THREE SIZE STONES (90° ANGLE)
60% 6" X 8"
10% 4" X 6"
30% 6" X 6"

1 UNIT PAVER DETAIL

SCALE: 1" = 1'-0"



TOOLED JOINT



EXPANSION JOINT

EXPANSION JOINT WITH PRE-FORMED JOINT
- FILLER CUT BACK 1/2" AND FILLED WITH SEALER.

SEALER (COLOR TO MATCH ADJACENT CONCRETE).
SUBMIT FOR APPROVAL BY LA.

NON-EXTRUDED, RIGID
FOAM INSULATED BOARD

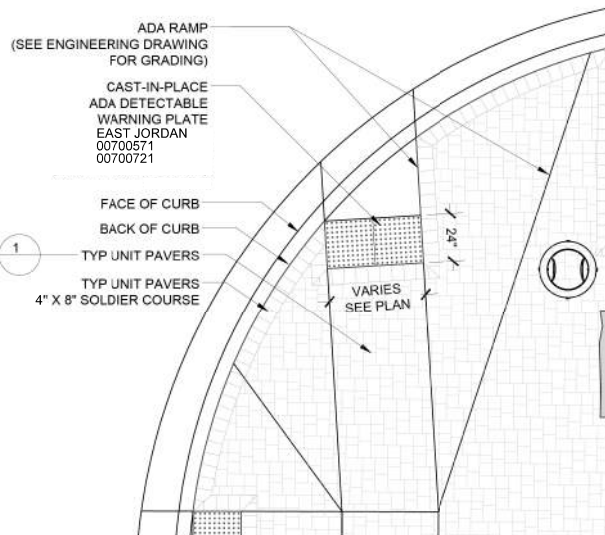
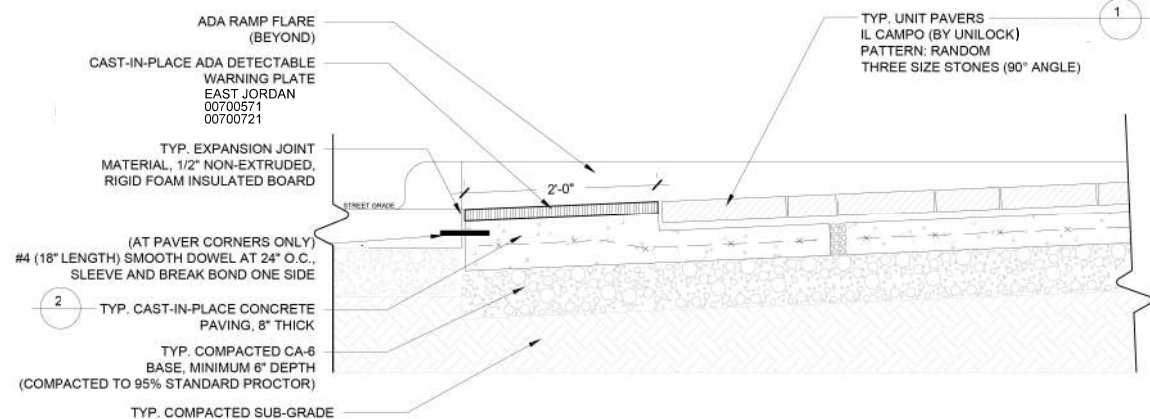
#4 SMOOTH DOWEL AT 24" O.C.
SLEEVE AND BREAK BOND ONE SIDE

NOTE:
EXPANSION JOINT TO BE PLACED BETWEEN
BUILDING HEADER AND NEW CONCRETE

NOTE:
EXPANSION JOINT TO BE APPROPRIATELY SPACED AT LANDSCAPE
ARCHITECT'S APPROVAL AND NO GREATER THAN 30'-0" O.C.
SAWCUT CONTROL JOINTS TO BE AT EQUAL INCREMENTS AND NO
GREATER THAN 5'-5" O.C. OR AS SHOWN ON PLANS. PROVIDE LIGHT
BROOM FINISH ON ALL CONCRETE SURFACES.

2 CAST-IN-PLACE CONCRETE PAVING

SCALE: 1" = 1'-0"



3 ADA DETECTABLE WARNING PLATE

SCALE: N.T.S.



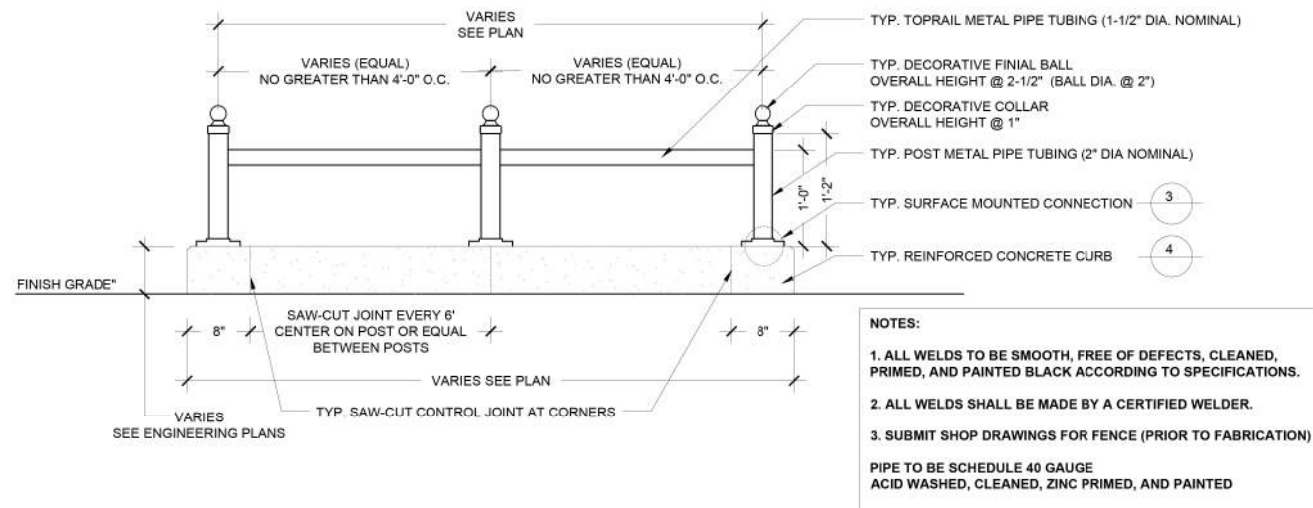
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PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

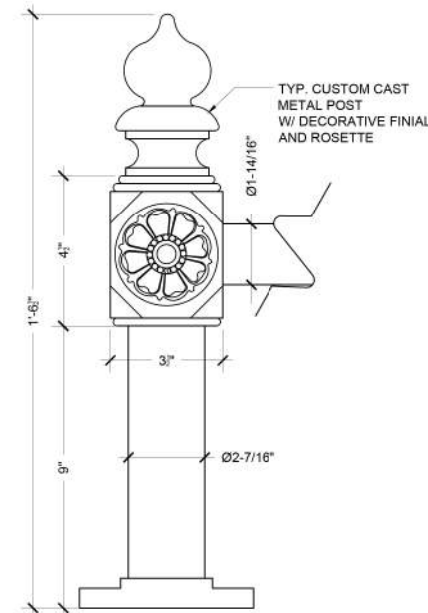
SITE DETAILS

SCALE: NTS SHEET 1 OF 7 SHEETS STA. TO STA.

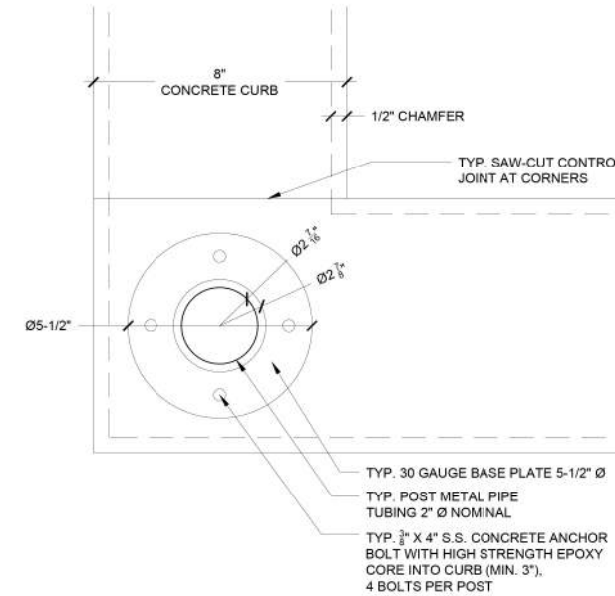
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	66
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



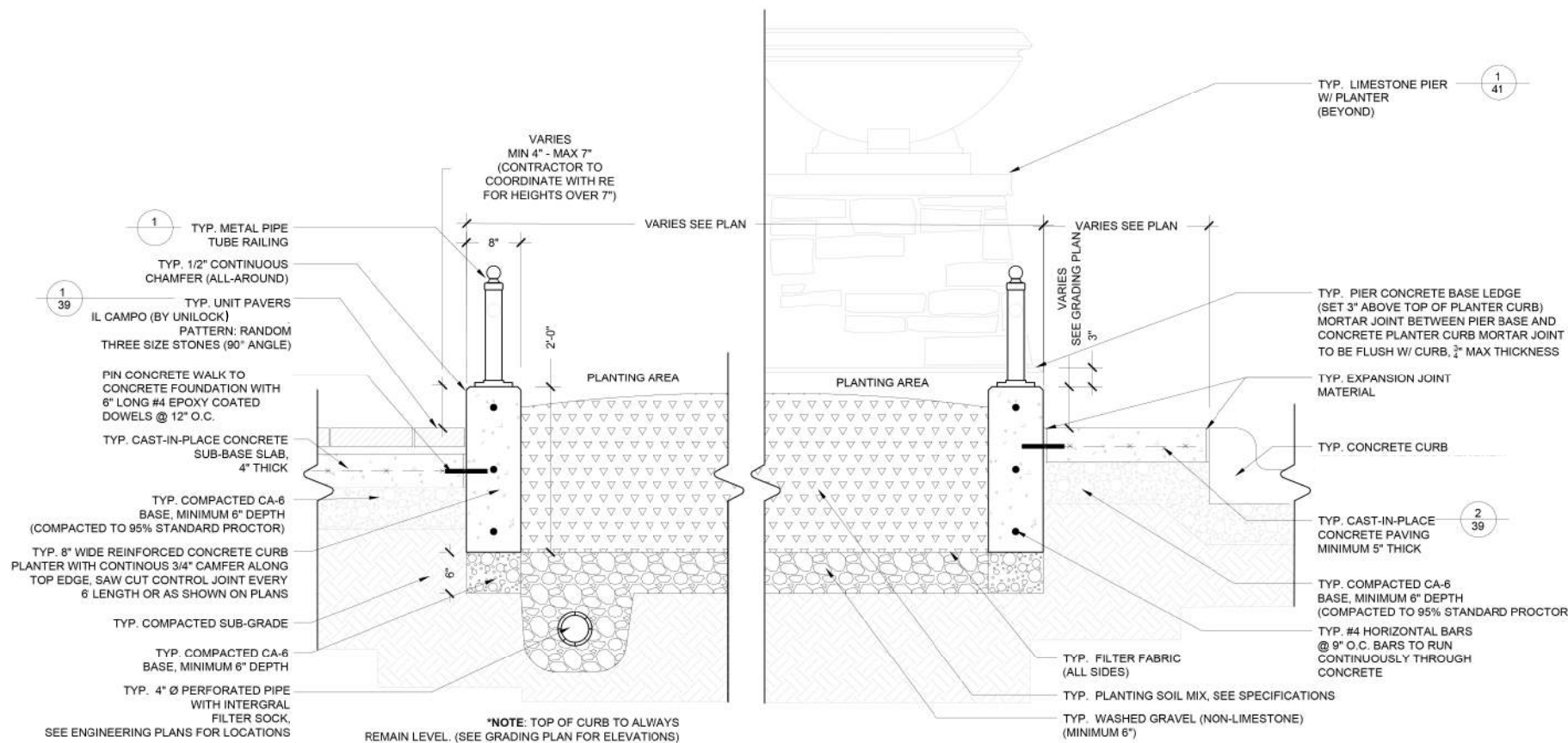
1 ORNAMENTAL RAILING DETAIL
SCALE: 1" = 1'-0"



2 POST DETAIL
SCALE: 4" = 1'-0"



3 POST CONNECTION DETAIL
SCALE: 1/4" = 1'-0"



4 CONCRETE CURB PLANTER DETAIL
SCALE: 1" = 1'-0"



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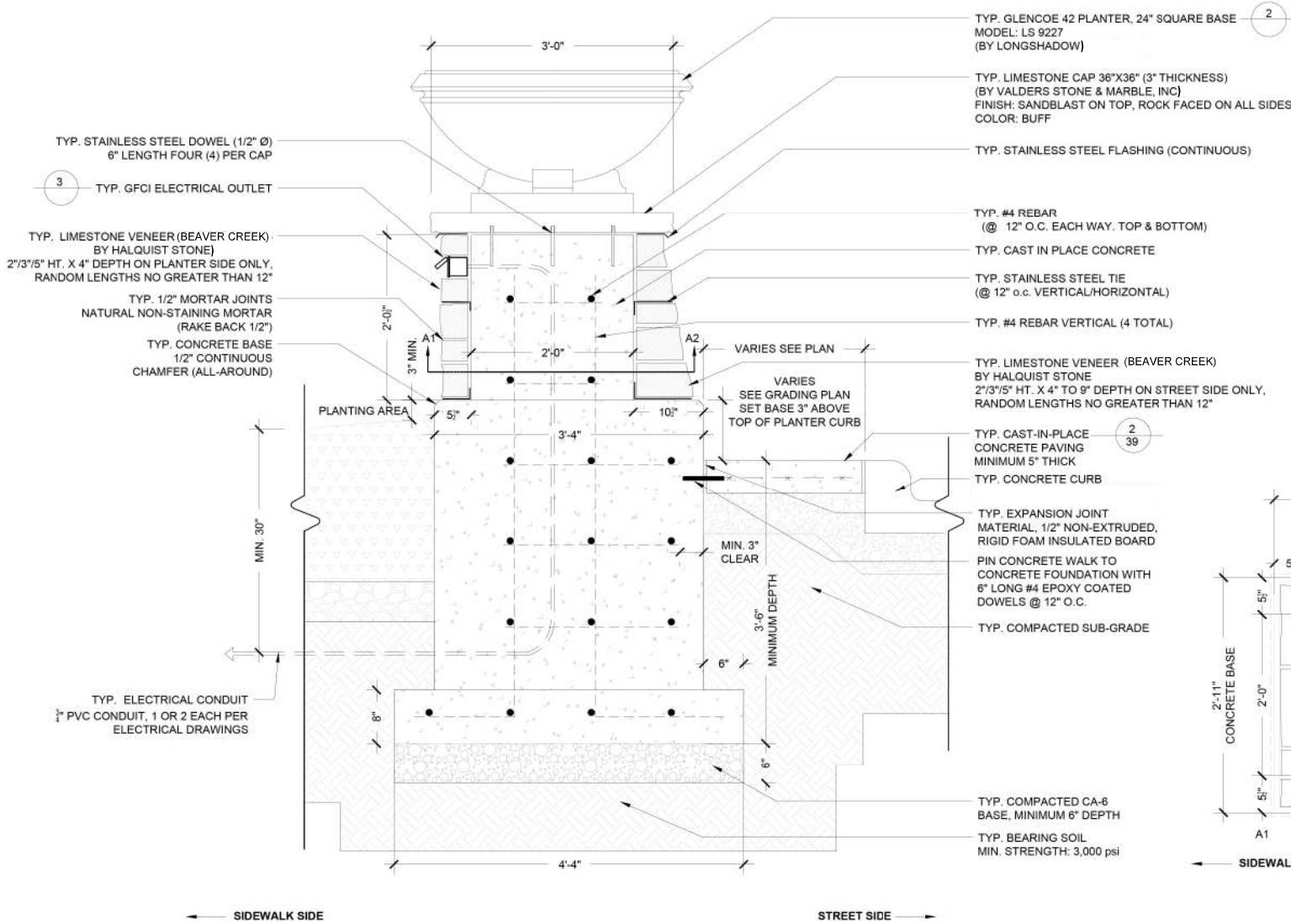
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

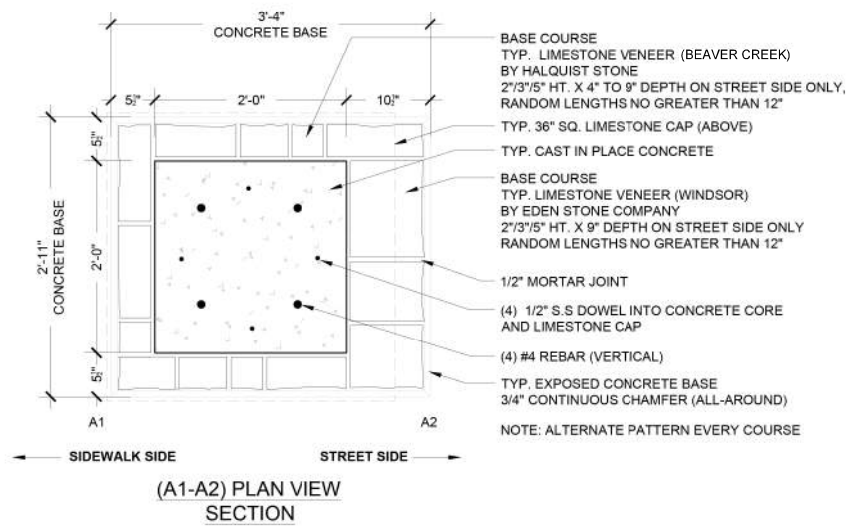
SITE DETAILS

SCALE: NTS SHEET 2 OF 7 SHEETS STA. TO STA.

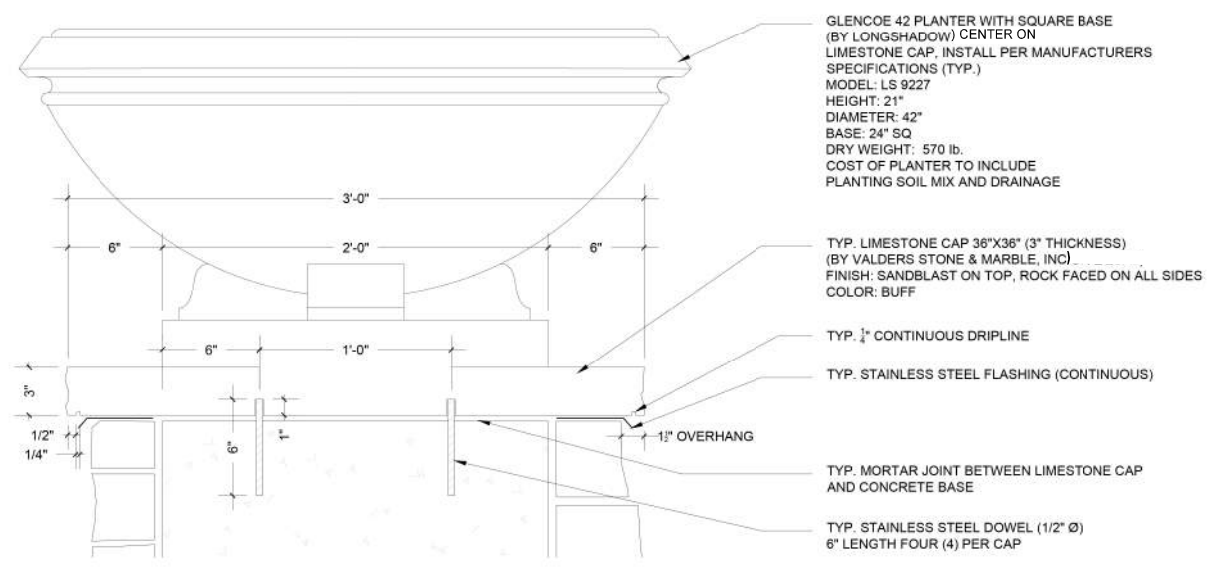
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	67
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



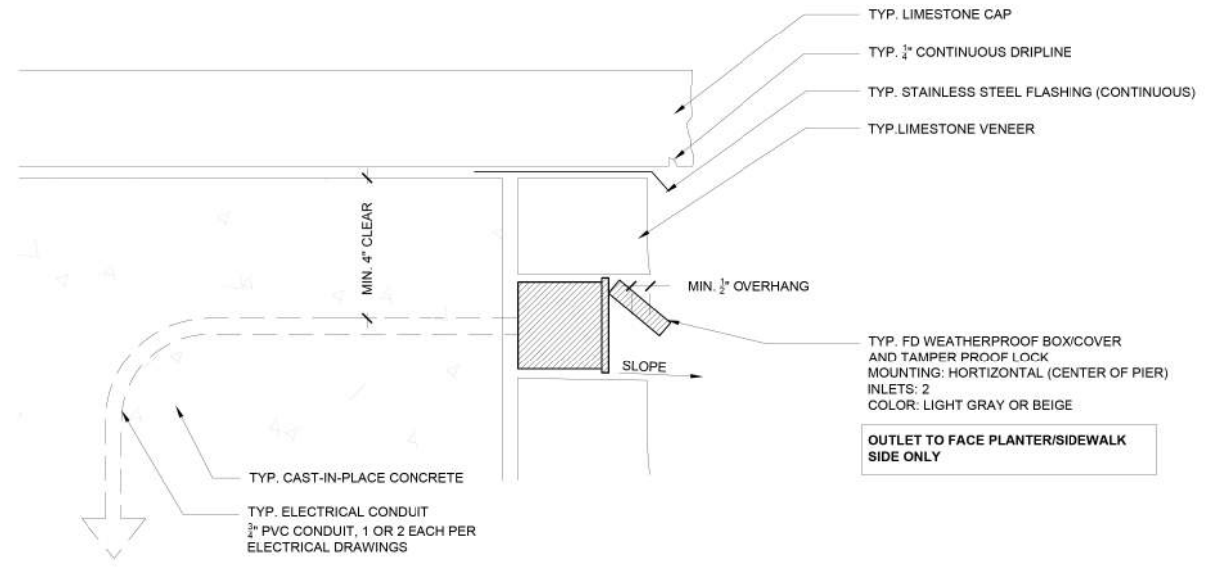
NOTES:
 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR PIER (PRIOR TO FABRICATION AND CONSTRUCTION)



1 PLANTER
 SCALE: 1" = 1'-0"



2 LIMESTONE PIER CAP / PLANTER ENLARGEMENT
 SCALE: 2" = 1'



3 GFCI ELECTRICAL OUTLET
 SCALE: 4" = 1'



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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET 3 OF 7 SHEETS		STA.	TO STA.
SITE DETAILS					

F.A.P. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 68
CONTRACT NO. 61G95				
ILLINOIS FED. AID PROJECT				

ANNAPOLIS
Product Data Sheet



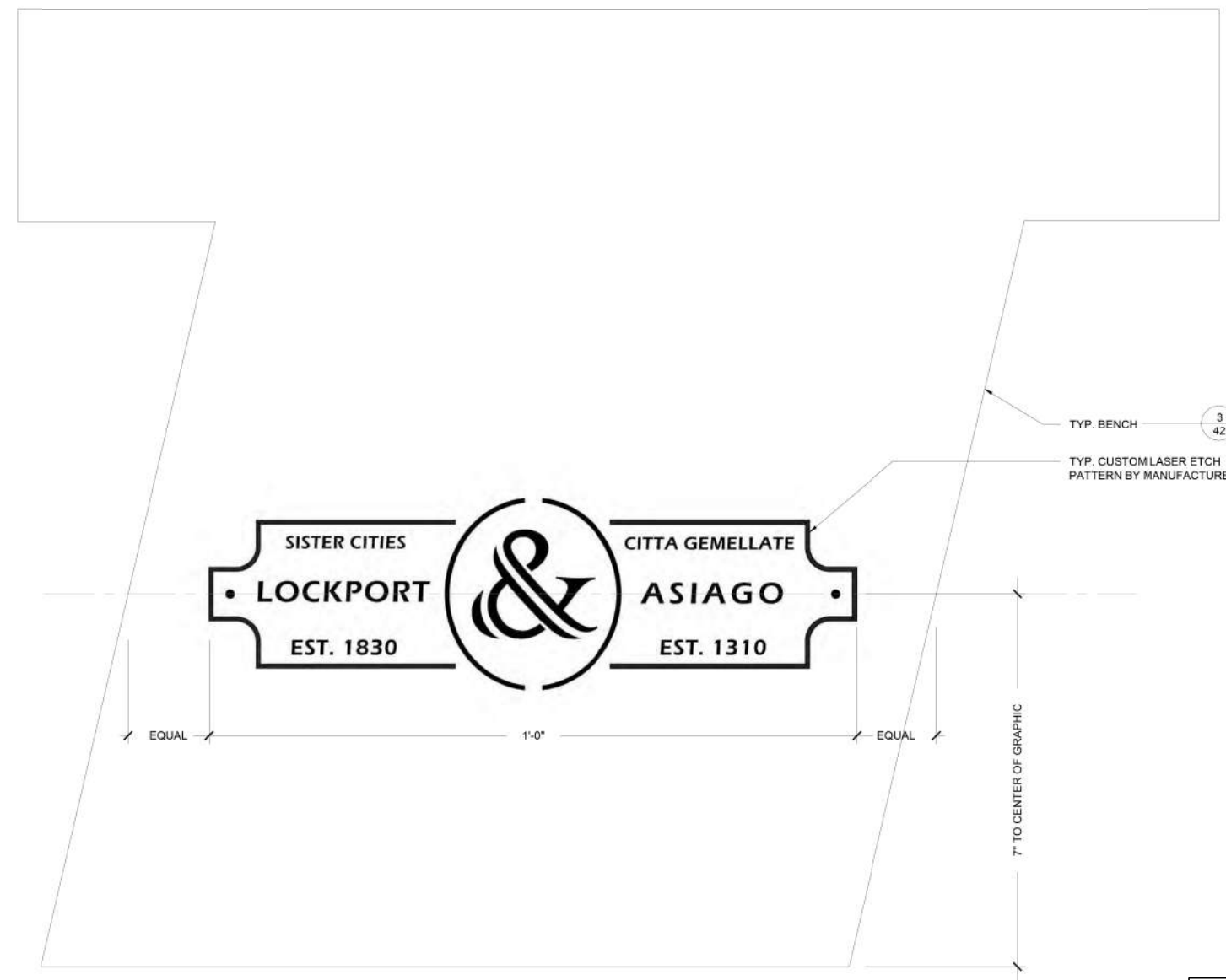
The Annapolis™ Bollard is a handsome vertical that performs multiple maneuvers with both Standard Bollards, Smart Bollards and Security Bollards offers basic Annapolis construction characteristics, replicable in their features and functions. Annapolis offers distinctive solutions in space and detail for path marking and signaling, safety and security in outdoor environments.

Annapolis™ Standard Bollard
 • Available in 6" and 12" diameter, with or without low-voltage LED lighting.
 • A protective polycarbonate lens is available in black or clear.
 • Embedded, removable, or surface-mount installation.
 • A knock-out secures the bollard when in the socket.
 • 62 1/2" deep, including 17" removable bollard may be filled with the Smart bollard top to provide solar powered lighting.
 • Removable bollard top available in 16 colors.

Annapolis™ Smart Bollard
 • Embedded, removable, or surface-mount bollard style.
 • The microprocessor and solar panels collect energy from the sun and convert it to electrical energy.
 • Designed to allow in a small base with rechargeable battery that delivers extremely power output over a long period of time.
 • The microprocessor (small) charge controller turns light on at dusk and off at dawn.
 • 4 amber LEDs with 20000 combined color temperature (CCT).

Annapolis™ Security Bollard
 • Available in 6" and 12" diameter, 12" dia. security bollard may be specified with Smart bollard lens.
 • Security bollard is designed to be permanently embedded with a stainless steel top and dome construction environment. Details for an optional security housing available on our website at www.landscapeforms.com.

Color	TECHNICAL SPECIFICATIONS	
	UNFINISHED	FINISHED
Color	11 Colors	11 Colors
Color Temp.	3000K	3000K
LED Lumens/ft	120 Lumens	120 Lumens
LED Energy Consumption	4000000 Lumens	4000000 Lumens
Height	62 1/2" (1602 mm)	62 1/2" (1602 mm)
Weight	10.5 lbs (4.8 kg)	10.5 lbs (4.8 kg)
Material	Aluminum	Aluminum
Finish	Matte	Matte
Installation	Embedded, Removable, Surface Mount	Embedded, Removable, Surface Mount
Weathering	UV Resistant	UV Resistant
Warranty	5 Year	5 Year
Lead Time	4-6 Weeks	4-6 Weeks
Country of Origin	USA	USA
Manufacturer	Landscape Forms, Inc.	Landscape Forms, Inc.

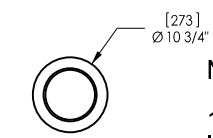


1 CUSTOM LASER ETCH PATTERN (BENCH)
SCALE: 8" = 1'-0"

Note:
For Information
Purposes Only

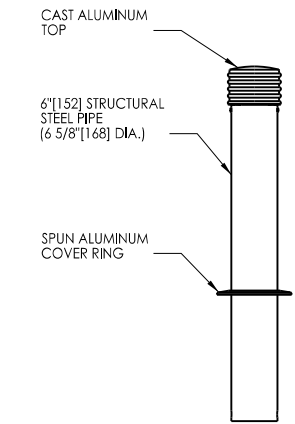
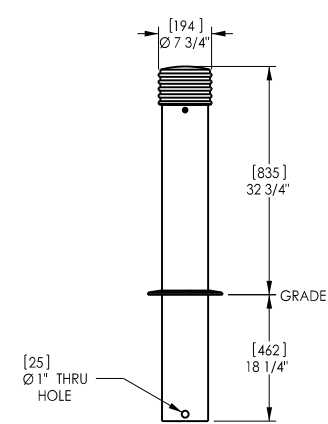
Annapolis™
Bollard, 6" diameter, Embedded
Product Drawing

Date: 10/3/2018
www.landscapeforms.com Ph: 800.521.2546



NOTES:

1. BOLLARD TO BE SUPPLIED BY THE CITY AND THE CONTRACTOR IS TO INSTALL PER THE DETAIL ON THIS PAGE.

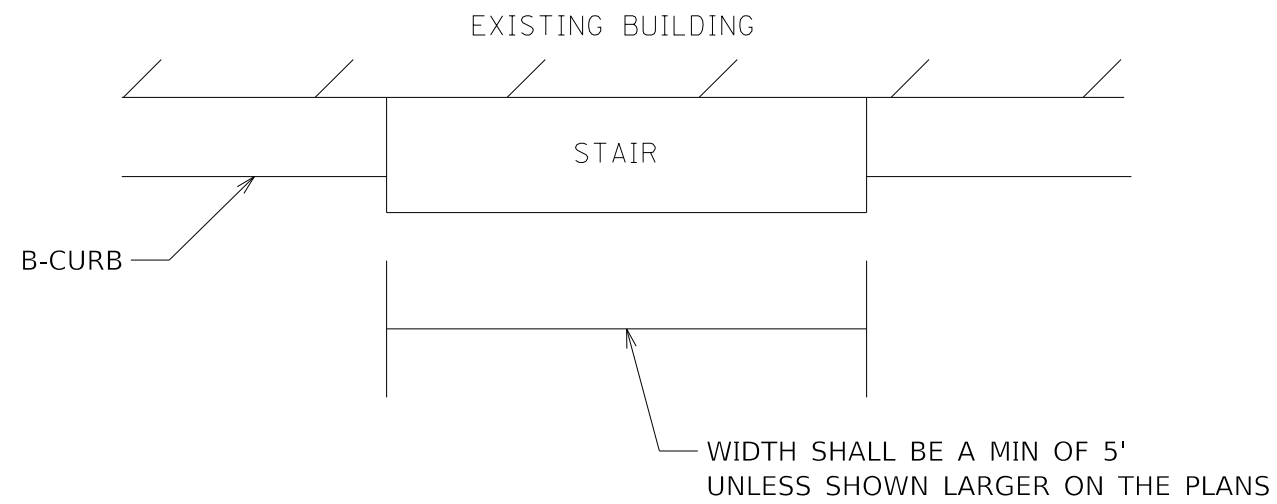


NOTE:
AUGER AN 18" HOLE, 48" DEEP TO INSTALL THE BOLLARD. TOP OF CONCRETE FOOTING TO BE SET BELOW FINISHED CONCRETE SIDEWALK. CONCRETE SHALL BE AN IDOT SI MIX.

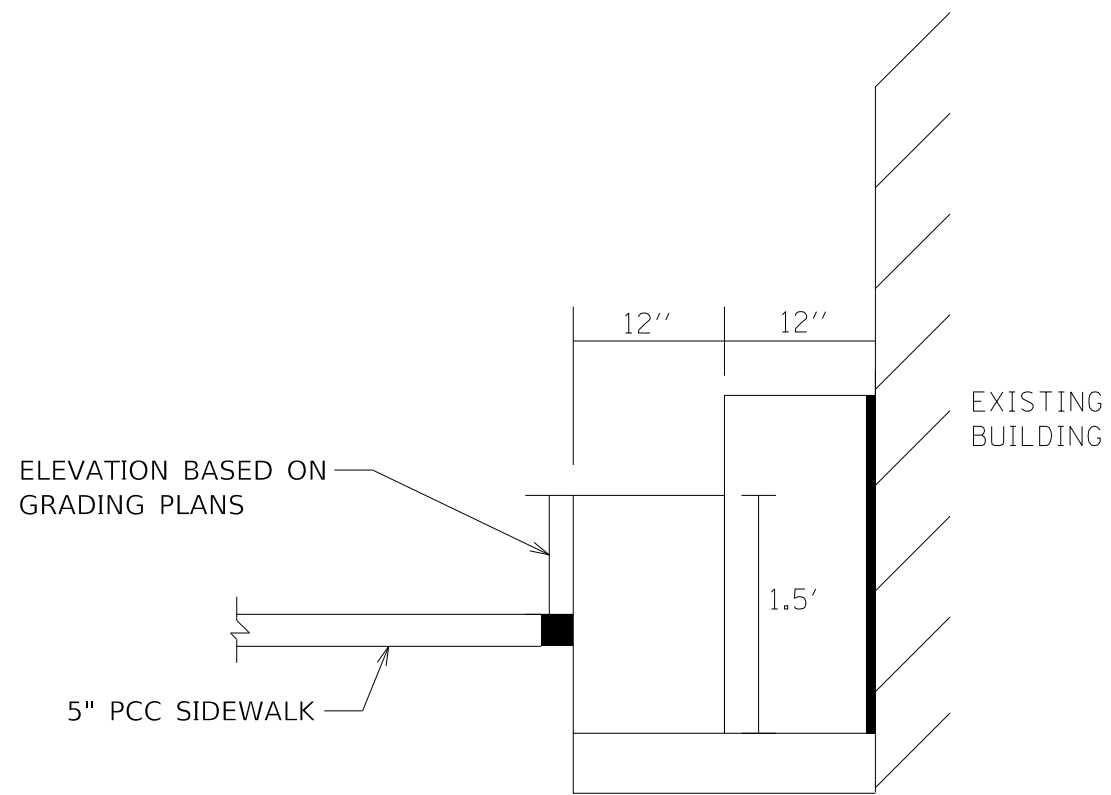
landscape forms Drawing: AN446-01
Dimensions are in inches [mm]

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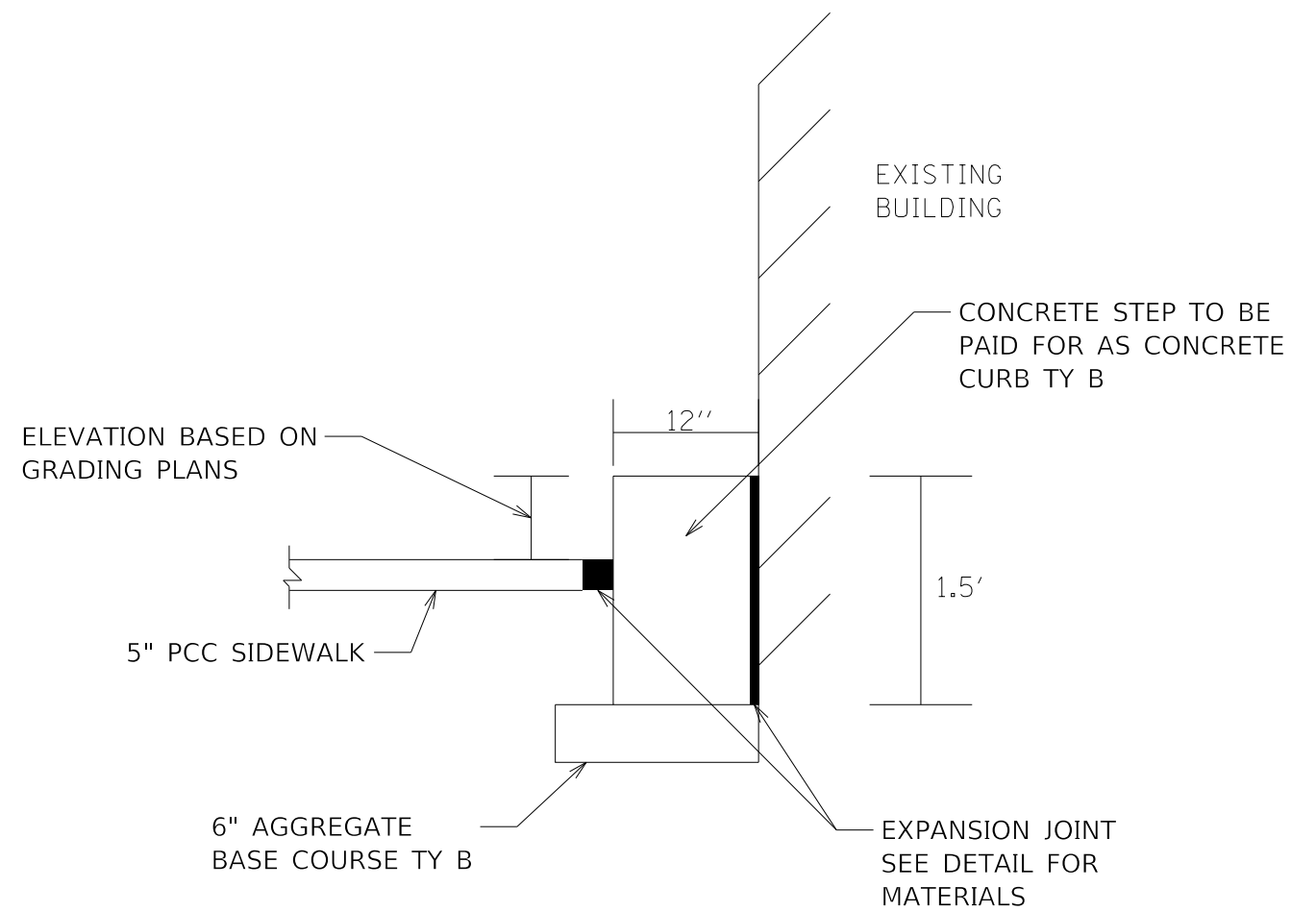
2 TYPICAL BOLLARD INSTALLATION
NOT TO SCALE



TOP VIEW



2- STEP



1- STEP

SIDE VIEW

STAIR AND CONCRETE CURB, TYPE B DETAIL



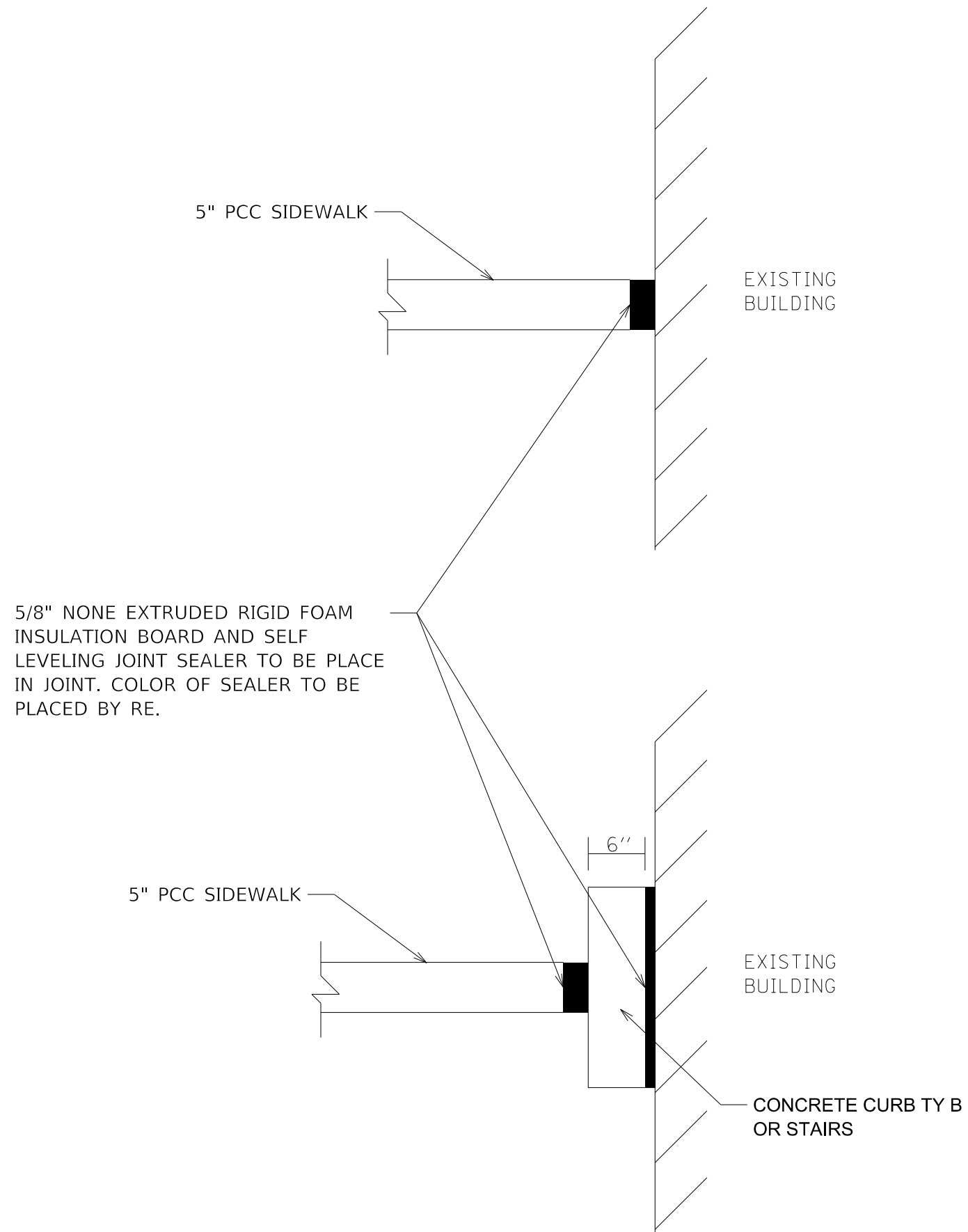
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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE DETAILS

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	71
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



JOINTING AND SEALING ADJACENT TO BUILDING FACE DETAIL



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PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/11/2021	DATE -	REVISED -

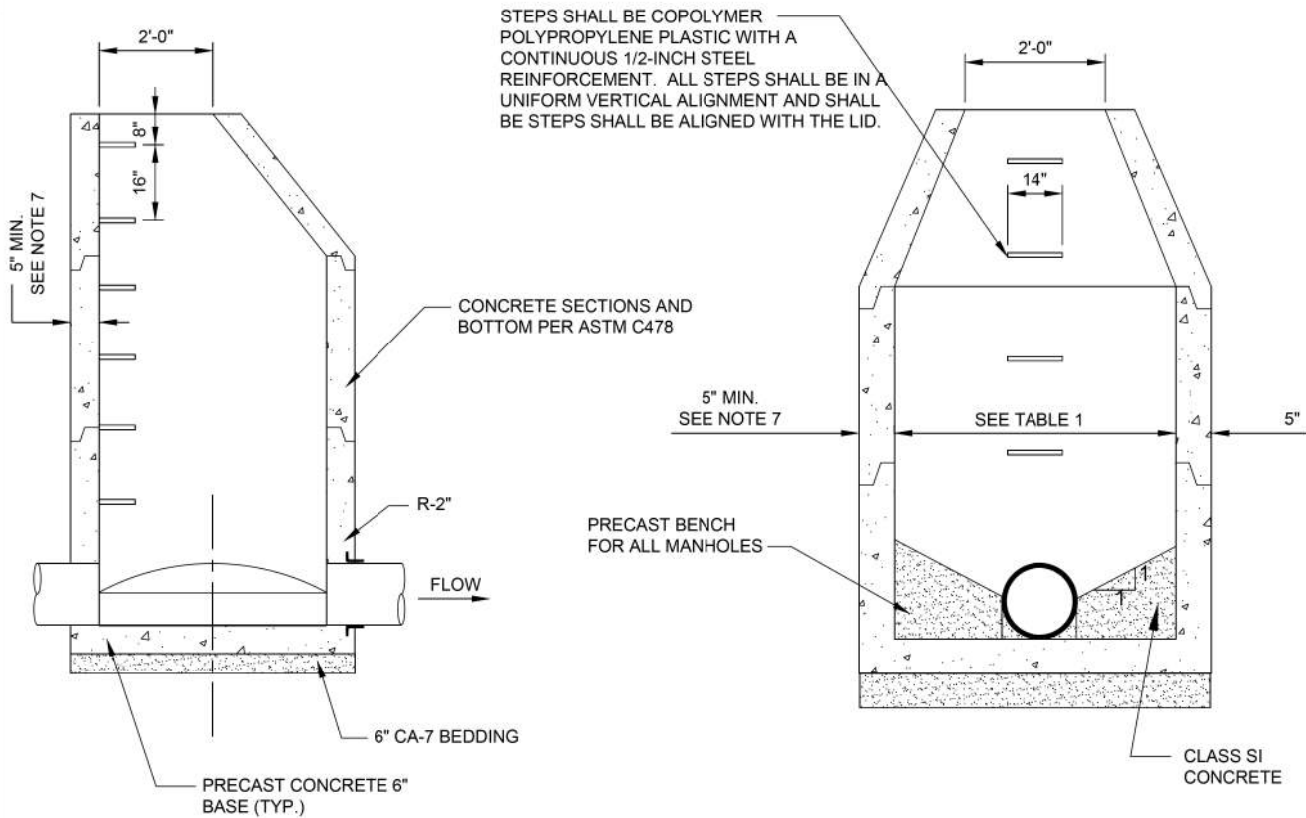
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE DETAILS

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	72
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G95	

CITY OF LOCKPORT

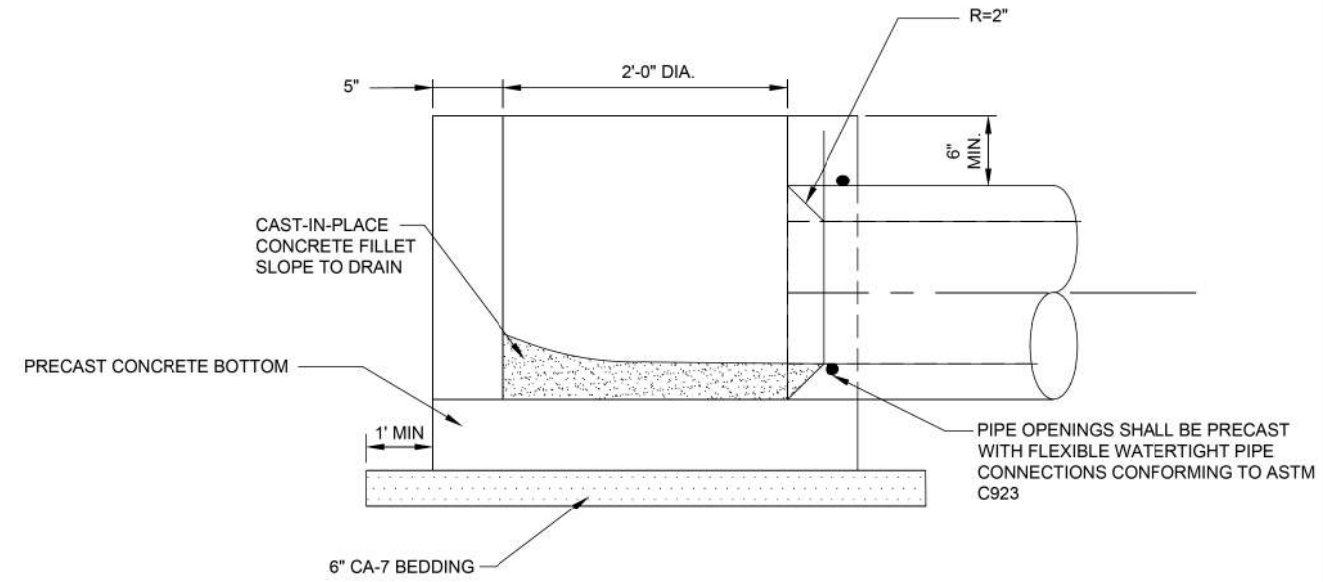


SANITARY AND STORM MANHOLE						
MANHOLE SIZE			SANITARY MANHOLE SPACING		STORM MANHOLE SPACING	
PIPE DIA.	MH. MIN. DIA.	MIN. WALL THICKNESS	PIPE DIA.	MH. SPACING	PIPE DIA.	MH. SPACING
≤ 18"	4"	6"	8" - 15"	300 FT	6" - 24"	350 FT
21" - 36"	5"	6"	> 18"	500 FT	27" - 36"	400 FT
36" - 48"	6"	7"			≥ 42"	500 FT

- NOTE:**
- SANITARY MANHOLES SHALL HAVE WATERSTOP GASKETS CAST INTO STRUCTURES AT ALL PIPE PENETRATIONS. (SEE MANHOLE PIPE CONNECTION DETAIL)
 - SANITARY MANHOLES SHALL HAVE EXTERNAL CHIMNEY SEALS
 - SANITARY MANHOLES SHALL HAVE INTEGRAL BASES.
 - MANHOLE BARREL JOINTS SHALL BE TONGUE AND GROOVE TYPE WITH TWO ROWS OF EXTRUDIBLE PREFORMED PLASTIC GASKET MATERIAL (BUTYL ROPE).
 - MACWRAP EXTERNAL JOINT SEALING BANDS IN ACCORDANCE WITH ASTM C-877, OR APPROVED EQUIVALENT, MUST BE PROVIDED AT SANITARY MANHOLE JOINTS.
 - STORM MANHOLES SHALL HAVE A WALL THICKNESS OF 6" FOR 5' DIAMETER STRUCTURES AND 7" FOR 6' DIAMETER STRUCTURES
 - SANITARY MANHOLES SHALL PASS VACUUM-TESTING PER ASTM C-1244.
 - SEE CASTING INSTALLATION AND ADJUSTING DETAIL NO. 30-6 FOR CASTING REQUIREMENTS.

REVISIONS		JANUARY 1, 2018	MANHOLE, TYPE A
BY	DATE	DESCRIPTION	
		DRAWN BY: ARR	
		SCALE: N.T.S.	

CITY OF LOCKPORT



- NOTES:**
- SEE CASTING INSTALLATION AND ADJUSTMENT DETAIL FOR CASTING REQUIREMENTS.
 - STRUCTURE SHALL COMPLY WITH ASTM C478.
 - THIN WALLED STRUCTURES MAY BE ACCEPTABLE IN PRIVATE STORM SEWER AND REAR YARD APPLICATIONS.

REVISIONS		JANUARY 1, 2018	INLETS
BY	DATE	DESCRIPTION	
		DRAWN BY: ARR	
		SCALE: N.T.S.	



USER NAME = msladek	DESIGNED -	REVISED -
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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

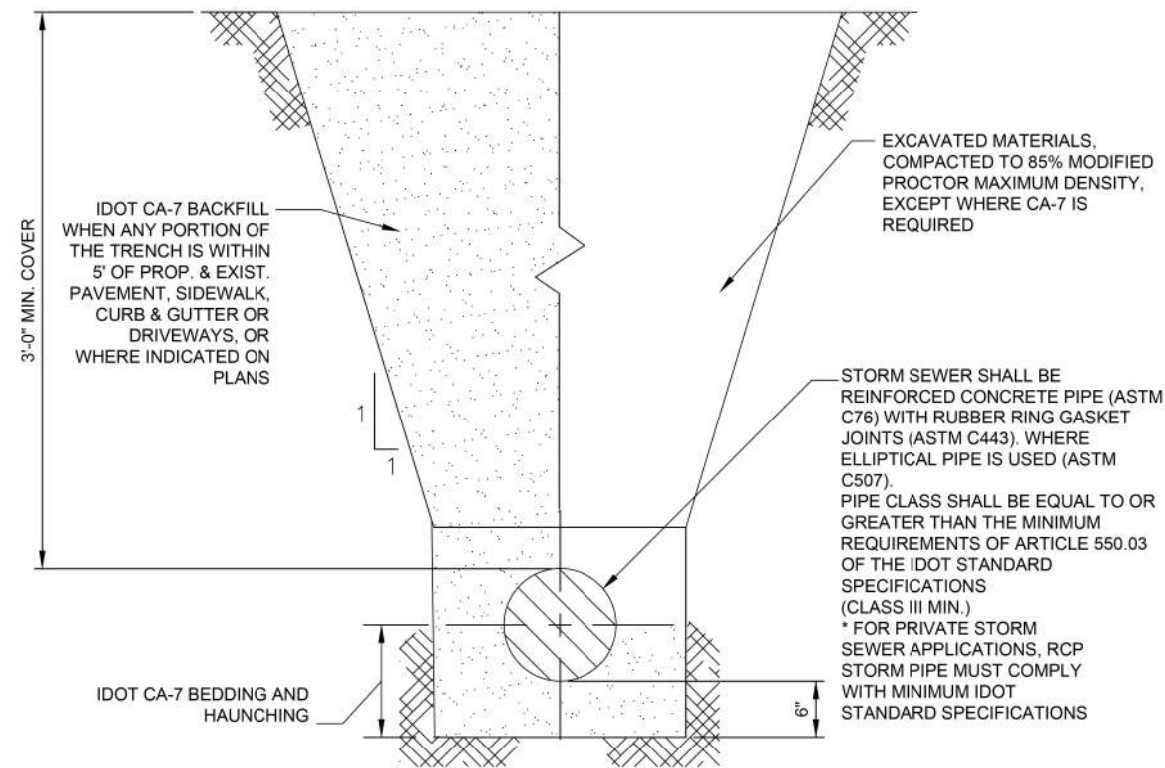
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: NONE SHEET 1 OF x SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	73
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

CITY OF LOCKPORT



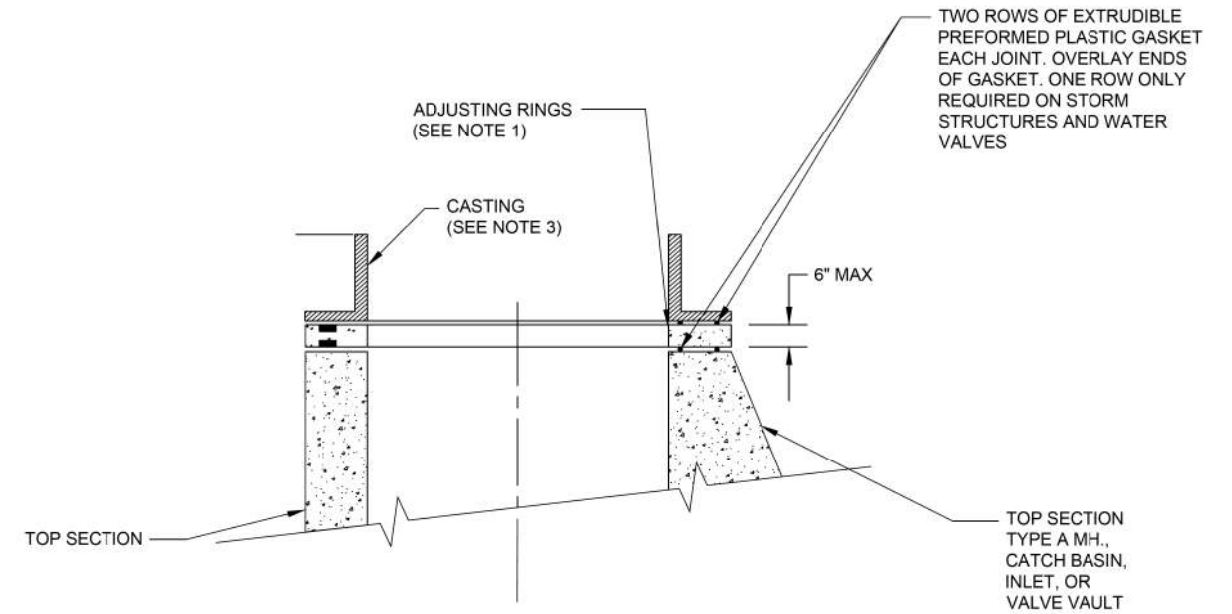
PUBLIC STORM SEWER NOTES:

1. THE STORM SEWER SHALL BE TELEVIEWED FOLLOWING THE INSTALLATION OF THE COMMONWEALTH EDISON AND NICOR UNDERGROUND UTILITIES AND PRIOR TO THE ISSUANCE OF THE FIRST CERTIFICATE OF FINAL OCCUPANCY. THE TELEVIEWED RESULTS SHALL BE PROVIDED TO THE DIRECTOR OF PUBLIC WORKS AND ENGINEER ON A DVD AND FLASH DRIVE.



REVISIONS			JANUARY 1, 2018	DETAIL NO. 30-4
BY	DATE	DESCRIPTION	DRAWN BY: ARBJM	STORM SEWER INSTALLATION
			SCALE: N.T.S.	

CITY OF LOCKPORT



NOTES:

1. THERE SHALL BE A MAXIMUM OF 2 ADJUSTING RINGS WITH A MAXIMUM TOTAL HEIGHT OF 6".
2. ANY ADJUSTMENT IN PAVED AREAS SHALL USE PREFORMED RUBBER ADJUSTING RINGS, WHICH ARE 3" OR LESS IN THICKNESS.
3. THE FOLLOWING CASTINGS SHALL BE PROVIDED:

STRUCTURE TYPE	EAST JORDAN IRON WORKS	NEENAH
----------------	------------------------	--------

ALL CLOSED LIDS SHALL BE PROVIDED WITH THE "CITY OF LOCKPORT" AND UTILITY TYPE CAST (WATER, SANITARY, STORM) INTO THE LID. ALL CLOSED LIDS SHALL HAVE A CONCEALED PICK HOLE. WATER AND SANITARY LIDS SHALL BE SELF SEALING WATER TIGHT LIDS. STORM CASTING SHALL HAVE "DRAINS TO CREEK" CAST INTO THE LID OR BACK.

4. NO FILTER FABRIC ALLOWED UNDER FRAMES OR GRATES. ALL STRUCTURES SHALL HAVE INLET BASKETS INSTALLED. INLET BASKETS SHALL BE CLEANED AS REQUIRED PER MANUFACTURERS STANDARD RECOMMENDATIONS OR AT THE REQUEST OF THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING. ALL INLET PROTECTION SHOULD BE IN ACCORDANCE WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN.



REVISIONS			JANUARY 1, 2018	DETAIL NO. 30-6
BY	DATE	DESCRIPTION	DRAWN BY: ARR	CASTING INSTALLATION AND ADJUSTING
			SCALE: N.T.S.	



USER NAME = msladek	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

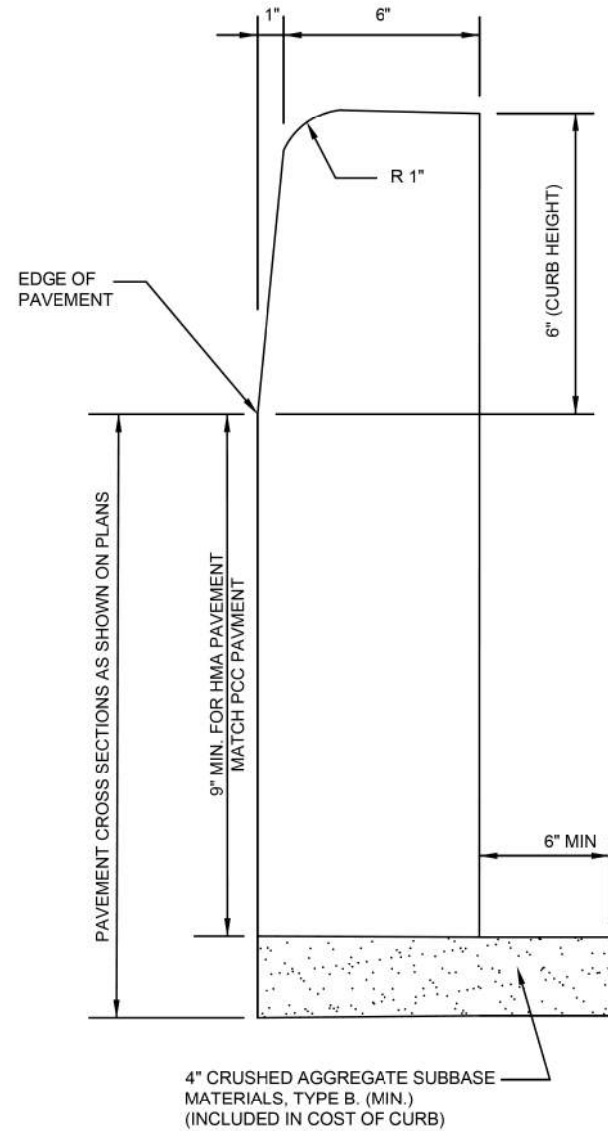
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 7 OF x SHEETS	STA.	TO STA.
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CONSTRUCTION DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	74
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

CITY OF LOCKPORT

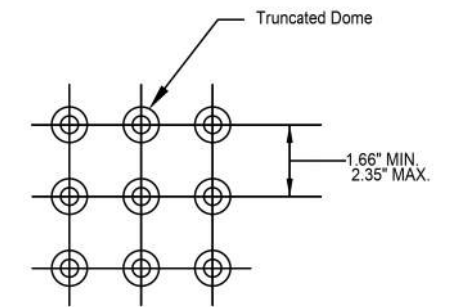
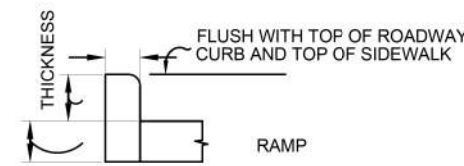
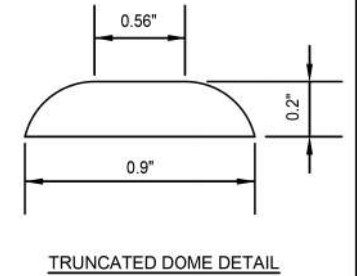
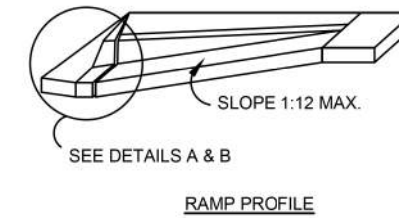


- NOTES:
- CURB, TYPE B, SHALL ONLY BE USED FOR INTERIOR PARKING LOT ISLANDS. USE OF THIS CURB FOR ANY OTHER APPLICATION IS AT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING. ALL CURB SHALL BE CONSTRUCTED WITH IDOT CLASS SI CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 14 DAYS.
 - CONTRACTION JOINTS SHALL BE SAW-CUT AT MAXIMUM 15' INTERVALS AND CAULKED.
 - PREFORMED EXPANSION JOINTS, 3/4" THICK, SHALL BE PLACED FIVE FEET EITHER SIDE OF STORM STRUCTURES IN CURB, AT CURB RETURNS AND AT POINTS OF CURVATURE, AT ALL CONNECTIONS BETWEEN NEW AND EXISTING CURB, AND AT 200' INTERVALS ON TANGENTS.
 - CURB AT STORM STRUCTURES SHALL BE BOXED-OUT A MINIMUM OF 5' ON EACH SIDE OF STRUCTURE AND HAND-FORMED BETWEEN EXPANSION JOINTS.
 - WHEN TYPE B CURB IS USED FOR A PUBLIC IMPROVEMENT IT SHALL HAVE 2 #4 BARS CONTINUOUS THROUGHOUT.

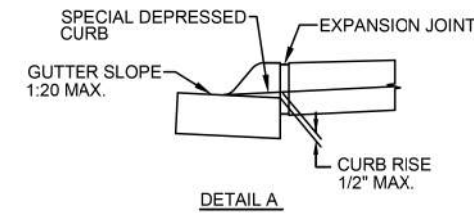


REVISIONS			JANUARY 1, 2018	DETAIL NO. 70-4 BARRIER CONCRETE CURB TYPE B
BY	DATE	DESCRIPTION	DRAWN BY: ARR	
			SCALE: N.T.S.	

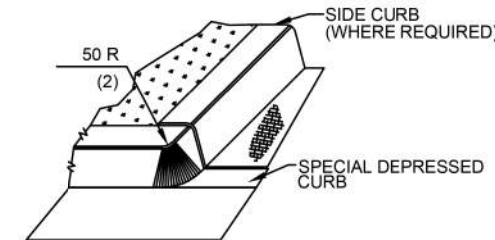
CITY OF LOCKPORT



DETAIL OF SIDE CURB
(SIDE CURB MAY BE CONSTRUCTED MONOLITHICALLY WITH RAMP)



- GENERAL NOTES:
- THE MAXIMUM SLOPE OF THE SIDE FLARE FOR RAMPS SHALL BE 1:10; HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 4'-0" THEN THE MAXIMUM SLOPE SHALL BE 1:12.
 - ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V/H).
 - ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
 - ADA RAMPS SHALL BE CONSTRUCTED WITH DETECTABLE WARNING PLATES THAT COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE REGULATIONS AND APPROVED BY THE CITY PUBLIC WORKS DIRECTOR. DETECTABLE WARNING PLATE MATERIAL SHALL BE FIBERGLASS UNLESS ALTERNATE MATERIALS ARE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
 - ALL RAMPS SHALL BE PERPENDICULAR CROSSINGS, AS DEFINED BY IDOT, UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.



DETAIL B



REVISIONS			JANUARY 1, 2018	DETAIL NO. 70-5 CURB RAMPS ACCESSIBLE TO THE DISABLED
BY	DATE	DESCRIPTION	DRAWN BY: ARR	
			SCALE: N.T.S.	



USER NAME = msladek	DESIGNED -	REVISED -
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PLOT DATE = 3/11/2021	CHECKED -	REVISED -
	DATE -	REVISED -

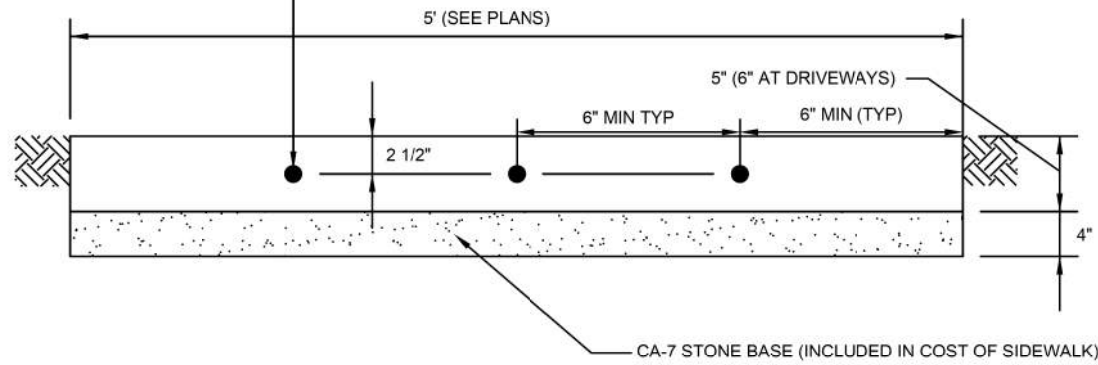
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 8 OF x SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	75
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	

CITY OF LOCKPORT

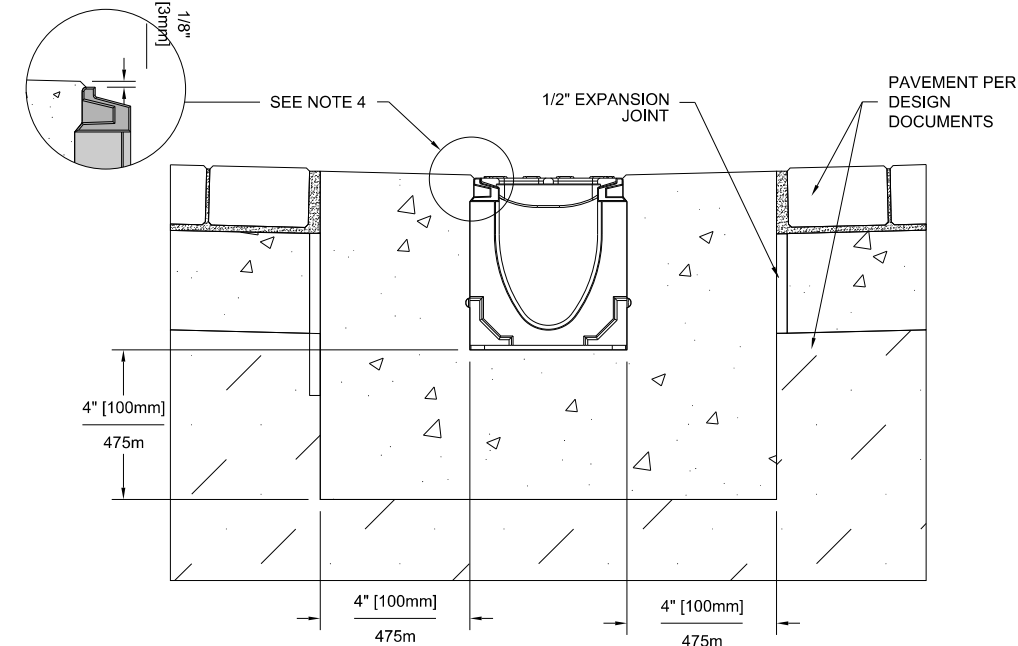
INSTALL #4 REINFORCING BARS, 12" LONG, EMBEDDED 6", AT ALL CONNECTIONS BETWEEN NEW AND EXISTING SIDEWALKS. (TYP. FOR 3) BARS SHALL BE SPACED A MINIMUM OF 6 INCHES FROM EACH OTHER AND FROM EDGES OF WALK.



- NOTES:
- SIDEWALKS ADJACENT TO THE BACK OF CURB SHALL BE A MINIMUM OF 7' IN WIDTH.
 - ALL SIDEWALK SHALL BE CONSTRUCTED WITH IDOT CLASS "SI" CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 14 DAYS
 - PREFORMED EXPANSION JOINTS (1/2" THICK) SHALL BE CONSTRUCTED IN SIDEWALK EVERY 100 FEET AND AT ALL ABUTTING DRIVEWAYS AND CURB AND GUTTER.
 - TOOLED CONTRACTION JOINTS SHALL BE CONSTRUCTED IN SIDEWALK EVERY FIVE FEET.
 - SIDEWALK SHALL HAVE 1/4" PER FOOT CROSS-SLOPE (MAXIMUM).
 - SIDEWALKS SHALL BE TESTED PER THE CITY DEVELOPMENT GUIDELINES AND IDOT'S PROJECT PROCEDURE GUIDELINES.



REVISIONS			JANUARY 1, 2018	DETAIL NO. 70-7
BY	DATE	DESCRIPTION	DRAWN BY: ARR	
			SCALE: N.T.S.	
			SIDEWALK	



- NOTES:
- IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
 - MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
 - EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
 - THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
 - CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. *ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.*
 - REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE

S100K POWERDRAIN - LOAD CLASS A

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE S100K CHANNEL SYSTEM WITH DUCTILE IRON RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN DUCTILE IRON RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL AS FOLLOWS:
 COMPRESSIVE STRENGTH: 14,000 PSI
 FLEXURAL STRENGTH: 4,000 PSI
 TENSILE STRENGTH: 1,500 PSI
 WATER ABSORPTION: 0.07%
 FROST PROOF: YES
 DILUTE ACID AND ALKALI RESISTANT: YES
 B117 SALT SPRAY TEST COMPLIANT: YES

THE SYSTEM SHALL BE 4" (100mm) NOMINAL INTERNAL WIDTH WITH A 6.29" (160mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'POWERLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

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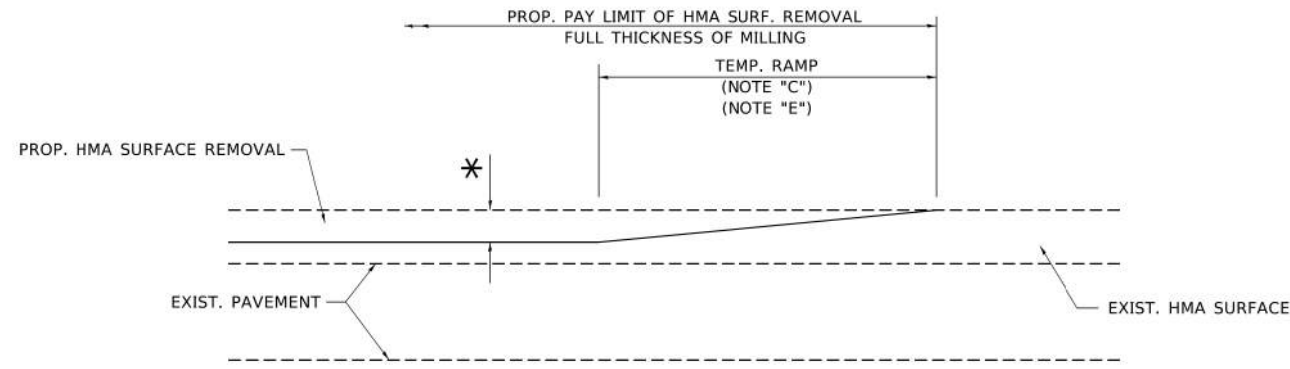
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: SHEET 9 OF x SHEETS STA. TO STA.

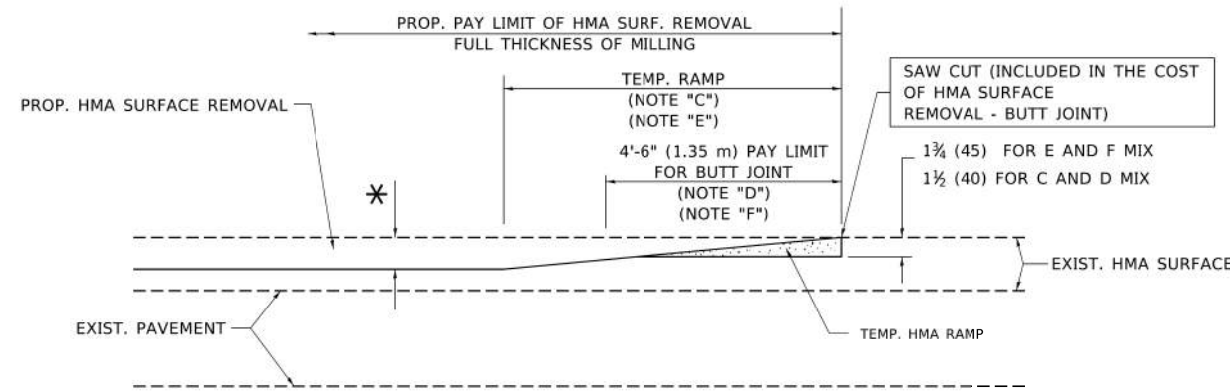
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	76
CONTRACT NO. 61G95			ILLINOIS FED. AID PROJECT	



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

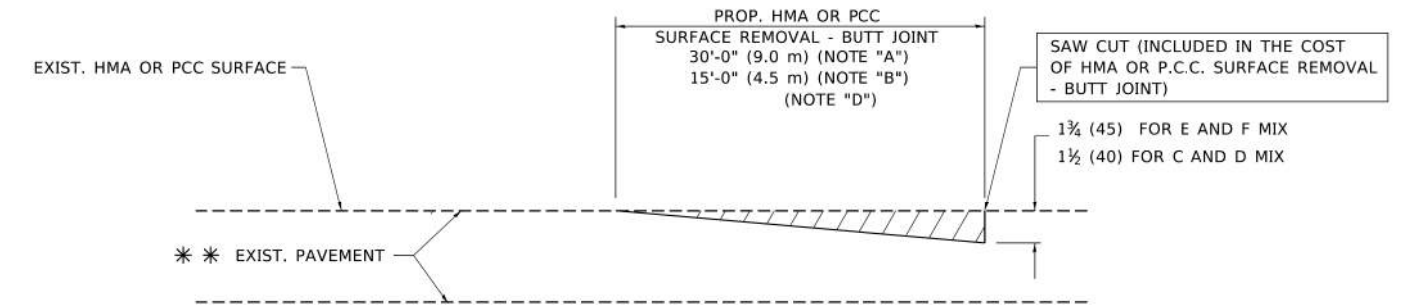


HMA CONSTRUCTED TEMPORARY RAMP

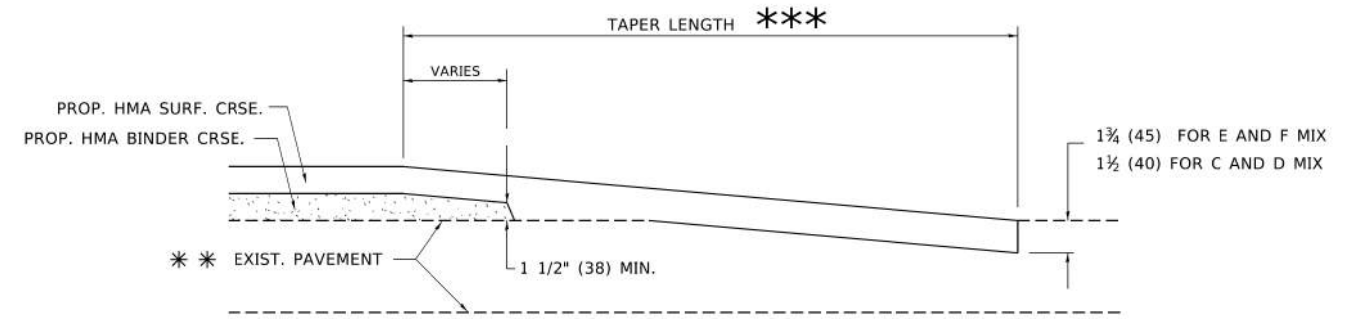
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

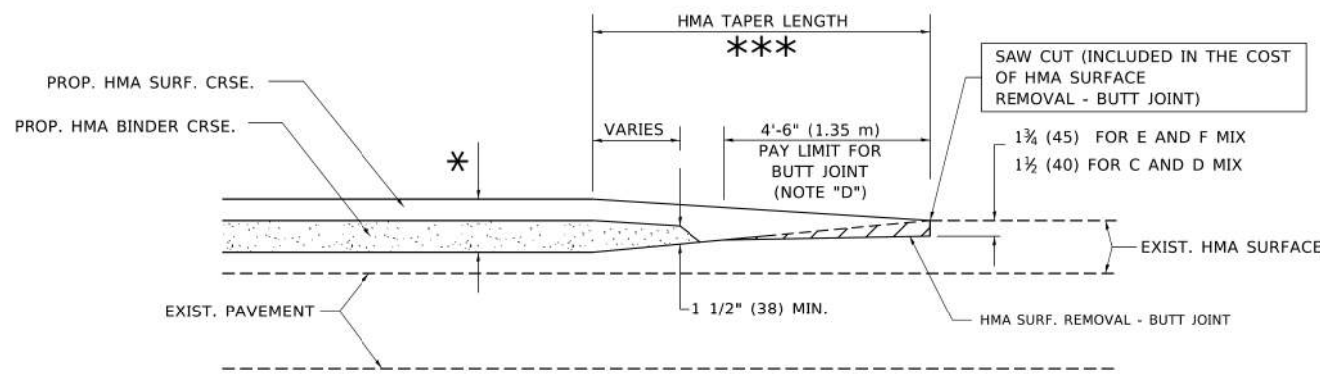
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
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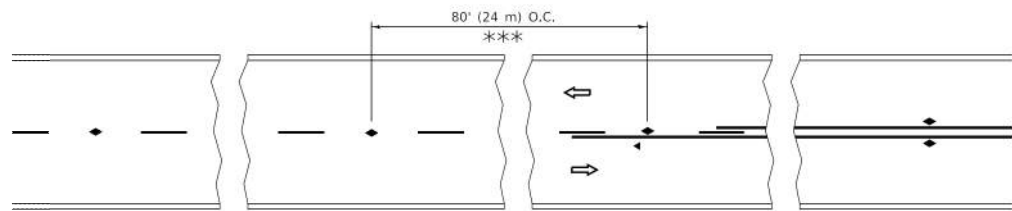
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PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

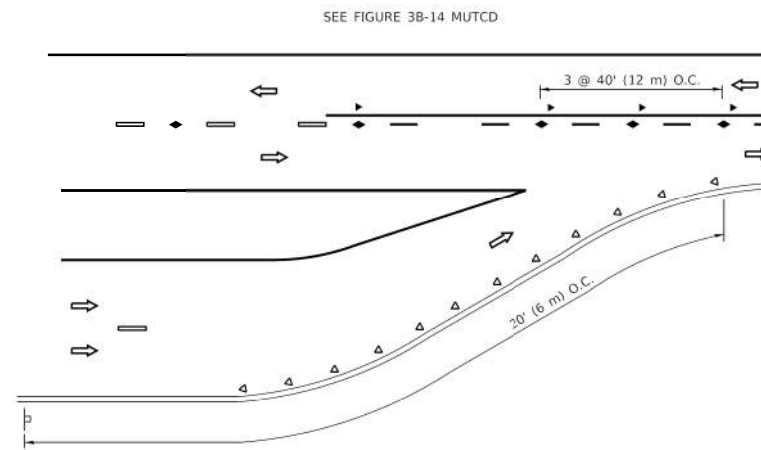
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-05 BD32		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

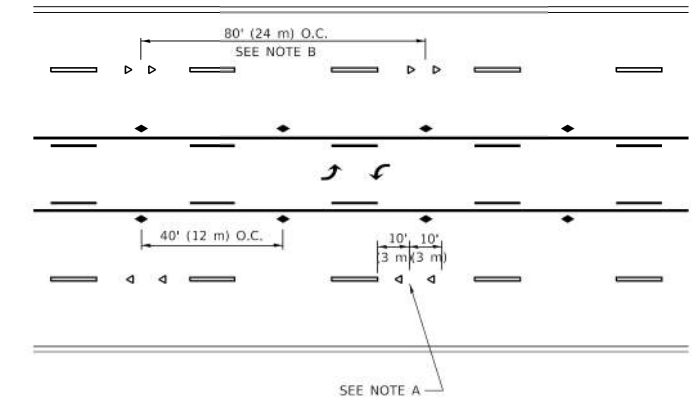


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

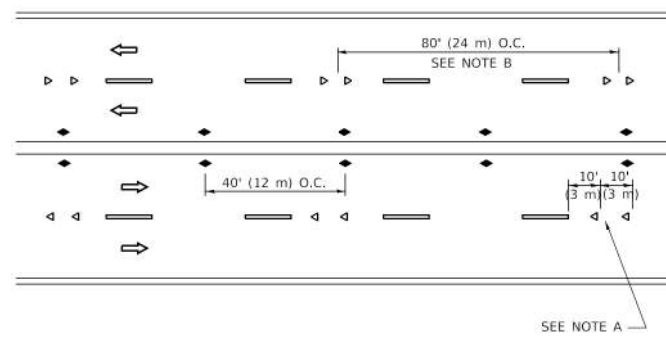
TWO-LANE/TWO-WAY



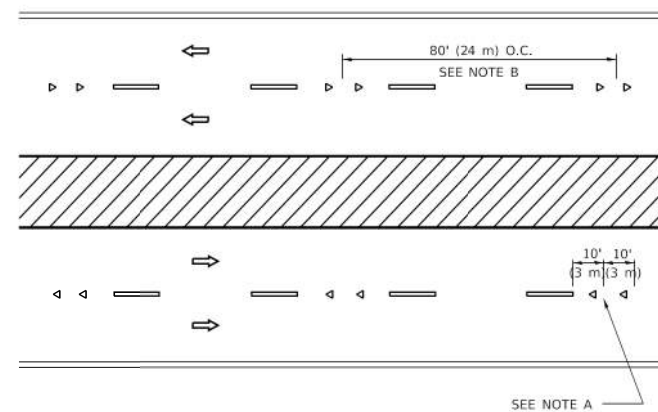
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

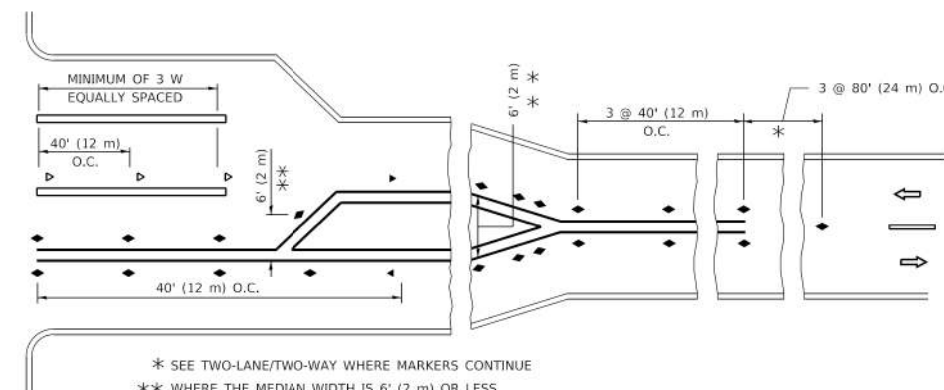
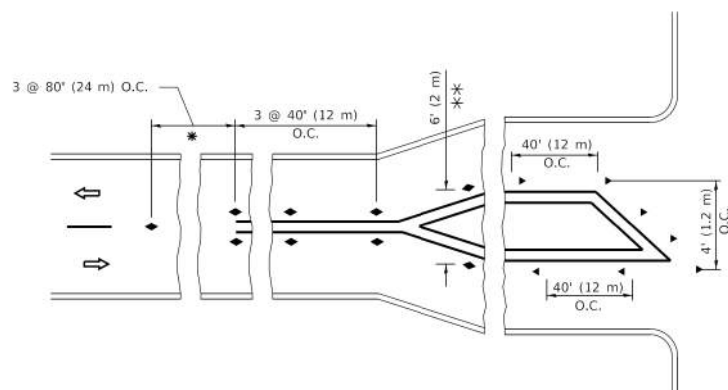
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Defaul... FILE: ...

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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	80
TC-11			CONTRACT NO.	
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

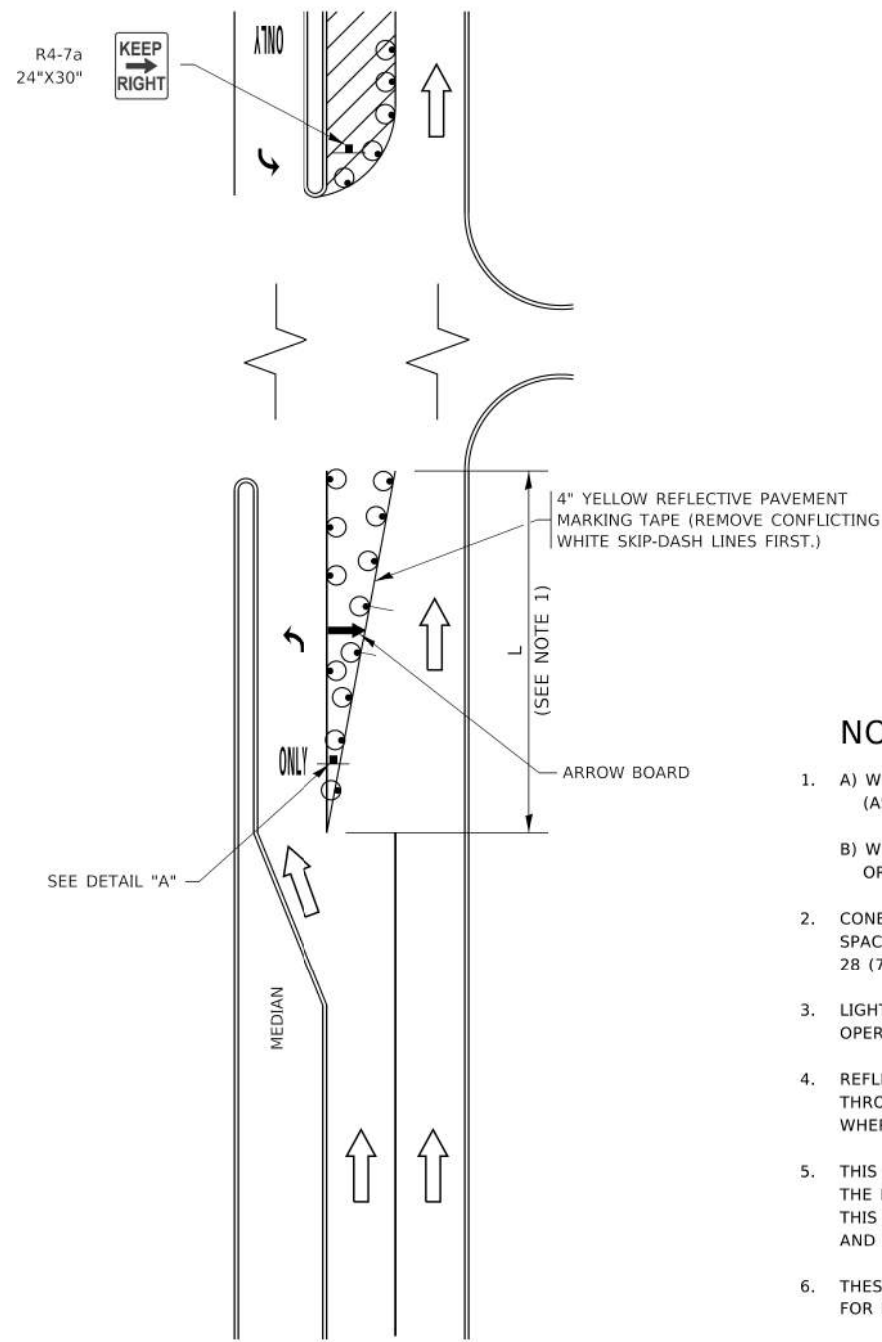


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

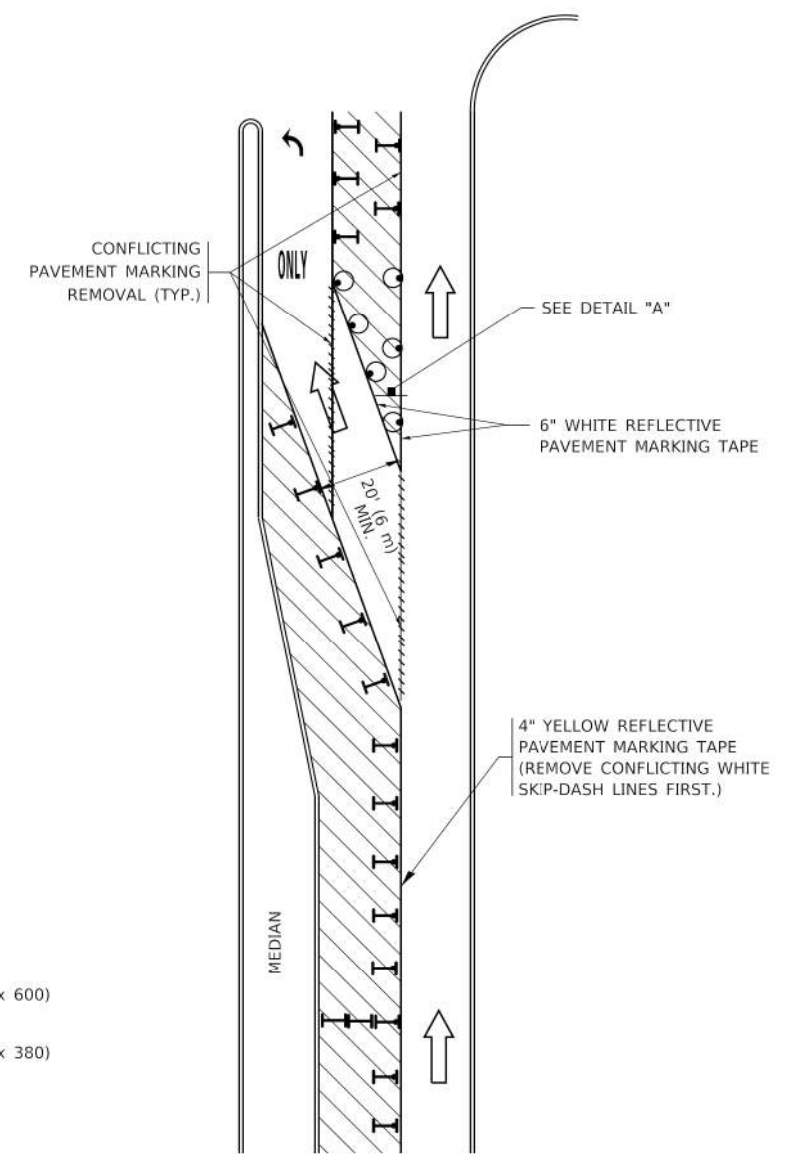


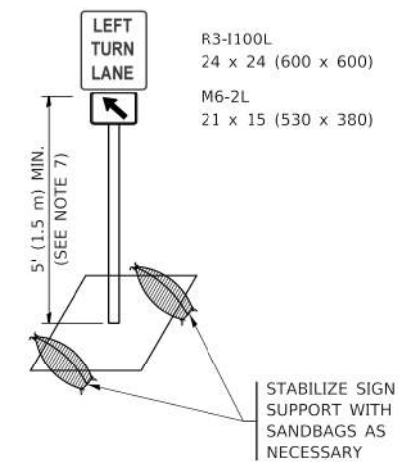
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Defaul
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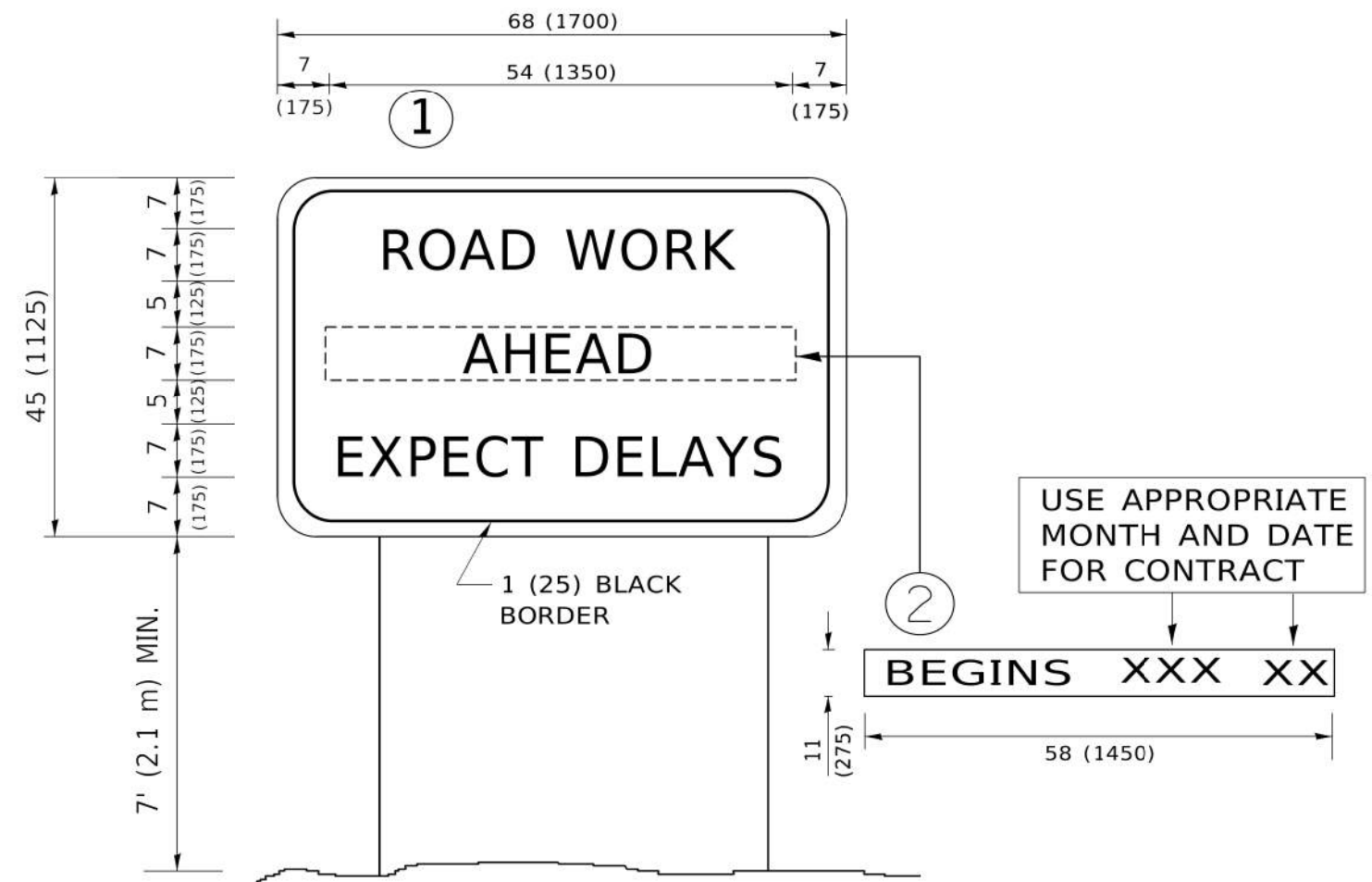
USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE. 351/577	SECTION 19-00089-00-LS	COUNTY WILL	TOTAL SHEETS 84	SHEET NO. 82
TC-14		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Defaul
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USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351/577	19-00089-00-LS	WILL	84	83
TC-22			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

