

01-21-2022 LETTING ITEM 093

FOR INDEX OF SHEETS SEE SHEET 2

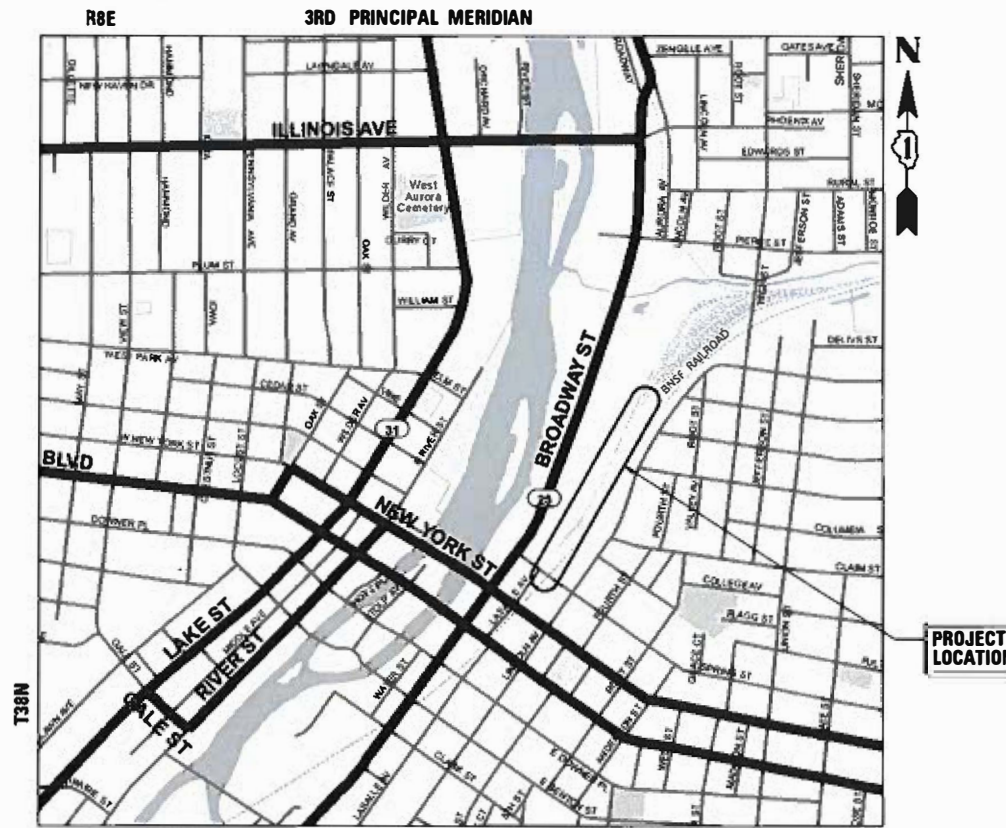
FOR LIST OF APPLICABLE HIGHWAY STANDARDS SEE SHEET 2

STATE OF ILLINOIS

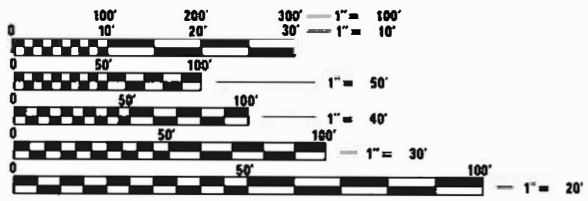
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

MUN 1079 (SPRING STREET)
 NORTH OF SPRING STREET TO EAST ATC
 PARKING LOT IMPROVEMENT
 SECTION NO.: 18-00325-00-PK
 PROJECT NO.: DI3U(058)
 CITY OF AURORA
 KANE COUNTY
 C-91-165-20

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00325-00-PK	KANE	48	1
ILLINOIS		CONTRACT NO. 61H35	



AURORA TOWNSHIP LOCATION MAP
 N.T.S.
 GROSS LENGTH = 1,700 FT = 0.32 MILE
 NET LENGTH = 1,700 FT = 0.32 MILE



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

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

PROGRAM AND OFFICE ENGINEER: CARMEN E. RAMOS, P.E., SCHAMBURG, IL

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	September 30, 2021 <i>Tracy A. Wines</i> CITY OF AURORA ENGINEERING COORDINATOR
PASSED	NOV 8, 2021 <i>[Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	NOVEMBER 8, 2021 <i>Joseph J. [Signature]</i> REGIONAL ENGINEER

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

Anthony J. Dericco
 ANTHONY J. DERICCO, PE
 ILLINOIS REGISTRATION NO. 062-57484
 EXPIRATION DATE: 11/2023

Alex Schaefer
 ALEX SCHAEFER, PE
 ILLINOIS REGISTRATION NO. 062-071146
 EXPIRATION DATE: 11/2023

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850
 PROFESSIONAL DESIGN FIRM NO. 184-001175
 EXPIRATION DATE: 04/30/23

CONTRACT NO. 61H35

GENERAL NOTES

INDEX OF SHEETS

DESCRIPTION	SHEET NO.
TITLE SHEET	1
INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES	2
SUMMARY OF QUANTITIES	3-8
TYPICAL SECTIONS	9
EARTHWORK SCHEDULE	10
REMOVAL SCHEDULE	11
ALIGNMENT, TIES, AND BENCHMARKS	12
EXISTING CONDITIONS AND REMOVAL PLAN	13-14
PROPOSED SITE PLAN	15-16
EROSION CONTROL AND RESTORATION PLAN	17-18
GRADING PLAN	19-20
PAVEMENT MARKING AND SIGNAGE PLAN	21-22
SIGNAGE DETAILS	23-26
GATEWAY MONUMENT SIGN DETAILS	27-28
LIGHTING GENERAL NOTES & BILL OF MATERIALS	29
REMOVAL LIGHTING PLAN	30-31
PROPOSED LIGHTING PLAN	32-33
PROPOSED POWER PLAN	34
LIGHTING DETAILS	35-40
CONSTRUCTION DETAILS	41-44
DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER (BD-7)	45
BUTT JOINT AND HMA TAPER DETAILS (BD-32)	46
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	47
DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	48

HIGHWAY STANDARDS

000001-08 – STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07 – TEMPORARY EROSION CONTROL SYSTEMS
424001-11 – PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05 – DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04 – CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
602011-02 – CATCH BASIN TYPE C
604036-03 – GRATE TYPE 8
606001-07 – CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02 – OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05 – OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04 – LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06 – URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06 – SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08 – TRAFFIC CONTROL DEVICES
720001-01 – SIGN PANEL MOUNTING DETAILS
780001-05 - TYPICAL PAVEMENT MARKINGS

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2022; THE LATEST EDITIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD) AND "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS"; CITY OF AURORA STANDARD DETAILS AND SPECIFICATIONS; THE "DETAILS" IN THE PLANS; AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS AND SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD.
- ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

UTILITIES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, METRA, BNSF AND THE CITY OF AURORA FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
- THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE CITY DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

MISCELLANEOUS

- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES.
- NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL ALL PROPER SIGNS AND BARRICADES HAVE BEEN INSTALLED. THIS SHALL INCLUDE INSTALLING EROSION AND SEDIMENT CONTROL DEVICES.
- AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL STREETS, SIDEWALKS, AND PARKING LOTS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC. THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF AURORA.
- PRIOR TO CONSTRUCTION, 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.
- PAVEMENT AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND IN CONFORMANCE WITH IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
- 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. AT THE CONCLUSION OF THE CONSTRUCTION OPERATION, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.
- ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- FULL-DEPTH SAW CUTS SHALL BE USED TO REMOVE EXISTING PAVEMENT, SIDEWALK, CURB AND OTHER APPURTENANCES FROM MATERIAL TO REMAIN IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
- 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.
- ALL AREAS OF PLANNED SUBGRADE TREATMENT SHOULD BE VERIFIED IN THE FIELD AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR, ALL POTENTIALLY UNSTABLE/ UNSUITABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL (SSM). ANY AGGREGATE SUBGRADE IMPROVEMENTS (CY) QUANTITIES NOT USED DURING CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT.
- 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 CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS AS SHOWN TO BE REMOVED ON THE PLANS, AS DIRECTED BY THE ENGINEER, OR WITH ENGINEER'S APPROVAL, THOSE TREES WHICH DIRECTLY INTERFERE WITH THE SAFETY OR QUALITY OF CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN WORKING NEAR EXISTING TREES AND SHRUBS TO AVOID DAMAGING THOSE NOT SCHEDULED FOR REMOVAL AND SHALL REPLACE IN-KIND ANY DAMAGED PLANTS.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE BNSF/METRA RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD RIGHT-OF-WAY. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE BNSF/METRA RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

DRAINAGE AND UTILITIES GENERAL NOTES

- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLAN, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE.
- THE CONTRACTOR SHALL CONFIRM ALL SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATIONS OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.
- ANY EXISTING DRAINAGE FACILITIES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR. THIS WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.
- 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.
- TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN OF 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES AND SEWER EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY SEWER OR UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR CITY.

GEOTECHNICAL REPORT AND PRELIMINARY SITE INVESTIGATION

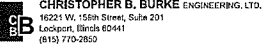
- THOSE SEEKING THE FULL GEOTECHNICAL REPORT OR PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION, PLEASE CONTACT:

ALEX SCHAEFER, PE
 CHRISTOPHER B. BURKE ENGINEERING, LTD. (CBBEL)
 815-770-2850
ASCHAEFER@CBBEL.COM

SUMMARY OF QUANTITIES

FUNDING SOURCE						ACCESS TO TRANSIT		
CONSTRUCTION TYPE CODE						80% FED 20% LOCAL		
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	0021 LIGHTING	0042 TRAINEES	
	~ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	92	92	0	0	
	* ~ 20101100	TREE TRUNK PROTECTION	EACH	15	15	0	0	
	* ~ 20101200	TREE ROOT PRUNING	EACH	15	15	0	0	
	* ~ 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	9	9	0	0	
	* ~ 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6	6	0	0	
	~ 20101400	NITROGEN FERTILIZER NUTRIENT	POUND	5	5	0	0	
	~ 20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	5	5	0	0	
	~ 20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	5	5	0	0	
	* ~ 20101700	SUPPLEMENTAL WATERING	UNIT	2	2	0	0	
	* 20200100	EARTH EXCAVATION	CU YD	539	539	0	0	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	23	23	0	0	
	20400800	FURNISHED EXCAVATION	CU YD	180	180	0	0	
	20800150	TRENCH BACKFILL	CU YD	6	5	1	0	
	20900110	POROUS GRANULAR BACKFILL	CU YD	10	10	0	0	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	869	869	0	0	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1210	1210	0	0	
	~ 25000110	SEEDING, CLASS 1A	ACRE	0.25	0.25	0	0	
	~ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23	0	0	
	~ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23	0	0	
	~ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23	0	0	

~ DENOTES SPECIALTY ITEM
* DENOTES SPECIAL PROVISION

 <p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2650</p>	USER NAME = escheffer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ATC EAST PARKING LOT IMPROVEMENTS SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N.T.S.	CHECKED - BMW	REVISED -			N/A	18-00325-00-PK	KANE	43	3
PLOT DATE = 10/7/2021	DATE - 10/7/2021	REVISED -		SCALE: N.T.S. SHEET 1 OF 6 SHEETS STA. TO STA.		[ILLINOIS] FED. AID PROJECT CONTRACT NO. 61H35				

SUMMARY OF QUANTITIES

FUNDING SOURCE						ACCESS TO TRANSIT		
CONSTRUCTION TYPE CODE						80% FED 20% LOCAL		
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	0021 LIGHTING	0042 TRAINEES	
	~ 25100630	EROSION CONTROL BLANKET	SQ YD	1210	1210	0	0	
	28000400	PERIMETER EROSION BARRIER	FOOT	440	440	0	0	
	28000510	INLET FILTERS	EACH	17	17	0	0	
	* 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	23	23	0	0	
	* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	772	772	0	0	
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2060	2060	0	0	
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	16	16	0	0	
	35300215	PORTLAND CEMENT CONCRETE BASE COURSE 7 3/4"	SQ YD	97	97	0	0	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3430	3430	0	0	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	31	31	0	0	
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	106	106	0	0	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	700	700	0	0	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7055	7055	0	0	
	* 42400800	DETECTABLE WARNINGS	SQ FT	707	707	0	0	
	44000100	PAVEMENT REMOVAL	SQ YD	495	495	0	0	
	44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	6815	6815	0	0	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1780	1780	0	0	
	44000600	SIDEWALK REMOVAL	SQ FT	3185	3185	0	0	
	* 52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	215	215	0	0	
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	6	6	0	0	

~ DENOTES SPECIALTY ITEM
* DENOTES SPECIAL PROVISION

SUMMARY OF QUANTITIES

FUNDING SOURCE					ACCESS TO TRANSIT		
CONSTRUCTION TYPE CODE					80% FED 20% LOCAL		
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	0021 LIGHTING	0042 TRAINEES
	60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	50	50	0	0
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1	0	0
	60260100	INLETS TO BE ADJUSTED	EACH	2	2	0	0
	60500060	REMOVING INLETS	EACH	1	1	0	0
*	~	66900200 NON-SPECIAL WASTE DISPOSAL	CU YD	773	773	0	0
*	~	66900530 SOIL DISPOSAL ANALYSIS	EACH	1	1	0	0
*	~	66901001 REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	0	0
*	~	66901003 REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	0	0
*	~	66901006 REGULATED SUBSTANCES MONITORING	CAL DA	30	30	0	0
	67100100	MOBILIZATION	L SUM	1	1	0	0
	~	72000100 SIGN PANEL - TYPE 1	SQ FT	58	58	0	0
	~	72400310 REMOVE SIGN PANEL - TYPE 1	SQ FT	8	8	0	0
	~	72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3	0	0
	~	72900100 METAL POST - TYPE A	FOOT	205	205	0	0
	~	78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	335	335	0	0
	~	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7180	7180	0	0
	~	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	45	45	0	0
	~	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	330	330	0	0
	~	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	15	15	0	0
*	~	80400100 ELECTRIC SERVICE INSTALLATION	EACH	1	0	1	0

~ DENOTES SPECIALTY ITEM
* DENOTES SPECIAL PROVISION

N:\Aurora\200106\Civil\509_03_200106.SHT

SUMMARY OF QUANTITIES

FUNDING SOURCE						ACCESS TO TRANSIT		
CONSTRUCTION TYPE CODE						80% FED 20% LOCAL		
						0005	0021	0042
		CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING	TRAINEES
*	~	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	0	1	0
*	~	81028190	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1 1/2" DIA.	FOOT	145	0	145	0
*	~	81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	155	0	155	0
*	~	81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	145	0	145	0
*	~	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	645	0	645	0
	~	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	3	0	3	0
*	~	81702101	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14	FOOT	1885	0	1885	0
*	~	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3135	0	3135	0
*	~	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	410	0	410	0
*	~	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	690	0	690	0
*	~	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	640	0	640	0
	~	82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1	0	1	0
	~	83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	10	0	10	0
	~	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	18	0	18	0
	~	84200804	REMOVAL OF POLE FOUNDATION	EACH	1	0	1	0
*	~	A2000220	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	0	0
*	~	A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	0	0
*	~	A2018720	TREE, ULMUS CARPINIFOLIA MORTON, (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	0	0
*	~	K0036120	MULCH PLACEMENT 4"	SQ YD	76	76	0	0
*	~	X0320031	SIGN LIGHTING UNIT COMPLETE	EACH	3	0	3	0

~ DENOTES SPECIALTY ITEM
* DENOTES SPECIAL PROVISION

SUMMARY OF QUANTITIES

FUNDING SOURCE						ACCESS TO TRANSIT		
CONSTRUCTION TYPE CODE						80% FED 20% LOCAL		
						0005	0021	0042
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING	TRAINEES		
*	X0321309	CONCRETE PAD	SQ YD	65	65	0	0	
*	X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	1	1	0	0	
* ~	X0325815	REMOVE EXISTING CABLE	FOOT	275	0	275	0	
*	X0326806	WASHOUT BASIN	L SUM	1	1	0	0	
* ~	X0327739	MISCELLANEOUS ELECTRICAL WORK	L SUM	1	0	1	0	
*	X0350810	BOLLARD REMOVAL	EACH	18	18	0	0	
* ~	X1400403	LUMINAIRE REPLACEMENT SPECIAL	EACH	12	0	12	0	
*	X2111000	TOPSOIL EXCAVATION	CU YD	222	222	0	0	
*	X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	550	550	0	0	
*	X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	1660	1660	0	0	
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	0	0	
* ~	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	44	44	0	0	
* ~	X7240205	REMOVE SIGN COMPLETE	EACH	16	16	0	0	
* ~	X7330064	SIGN SUPPORT SPECIAL	EACH	3	3	0	0	
* ~	X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	18	0	18	0	
* ~	X8780100	CONCRETE FOUNDATIONS (SPECIAL)	CU YD	1	1	0	0	
* ~	XX004101	ORNAMENTAL METAL FENCE	FOOT	49	49	0	0	
* ~	XX005642	GATEWAY MONUMENT SIGN COMPLETE	EACH	1	1	0	0	
* ~	XX006213	METAL POST, SPECIAL	EACH	4	4	0	0	
* ~	XX006614	MODIFY EXISTING CABINET EQUIPMENT AND APPURTENANCES	EACH	1	0	1	0	

~ DENOTES SPECIALTY ITEM
* DENOTES SPECIAL PROVISION

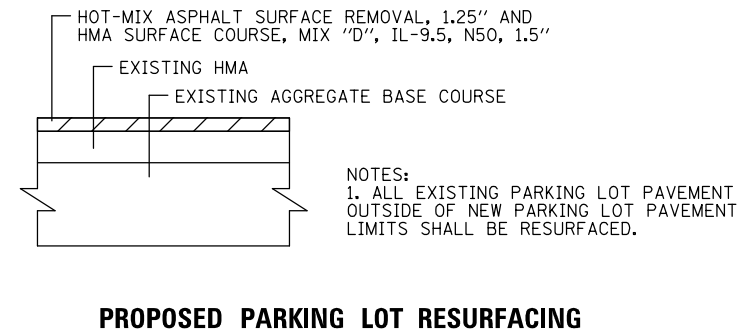
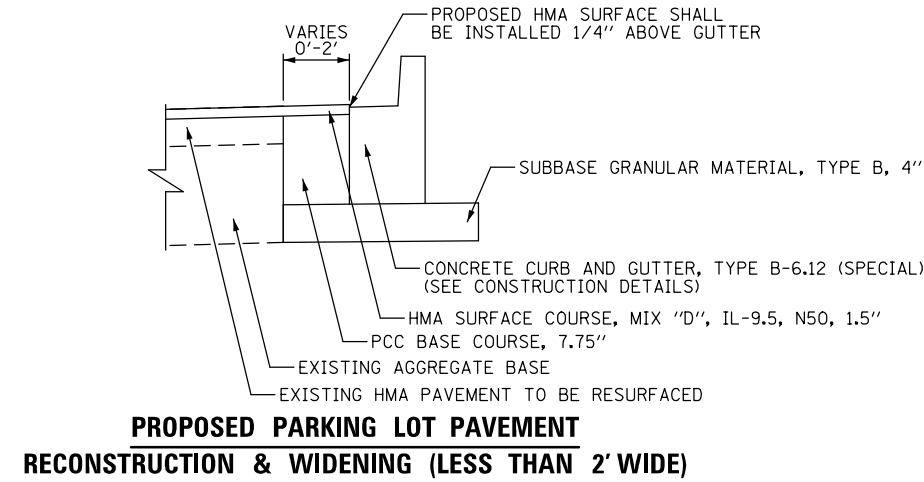
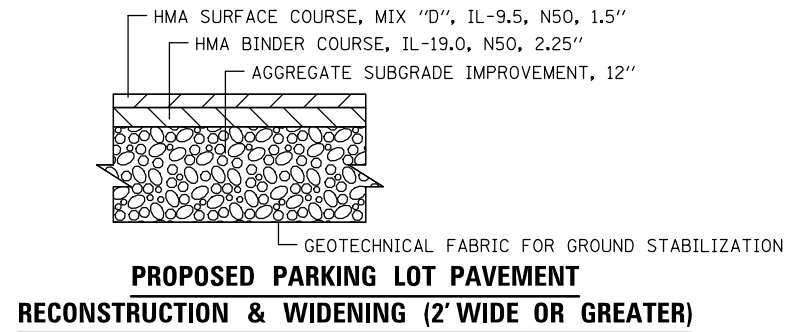
N:\Aurora\200106\Civil\500_05_200106.SHT

SUMMARY OF QUANTITIES

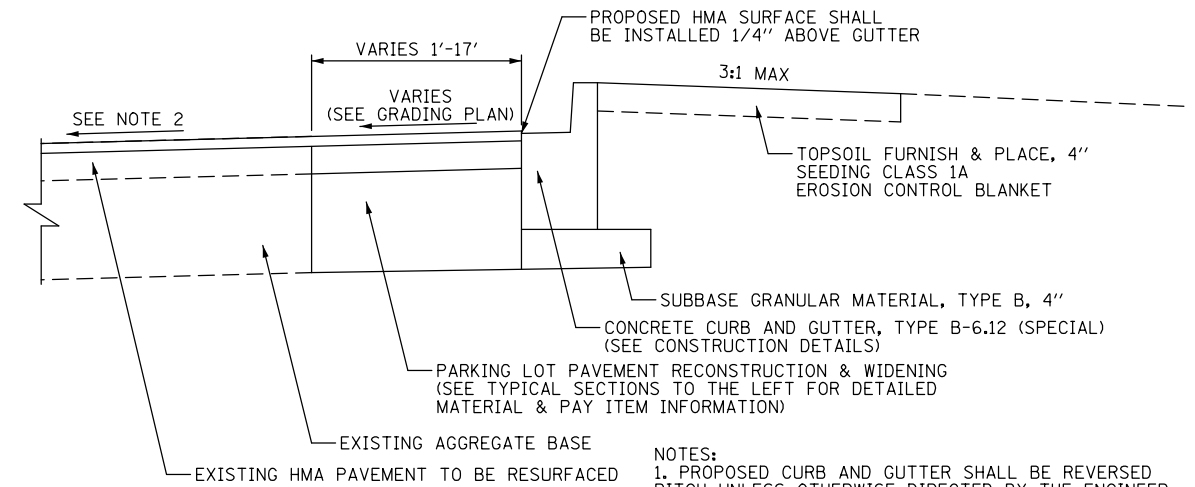
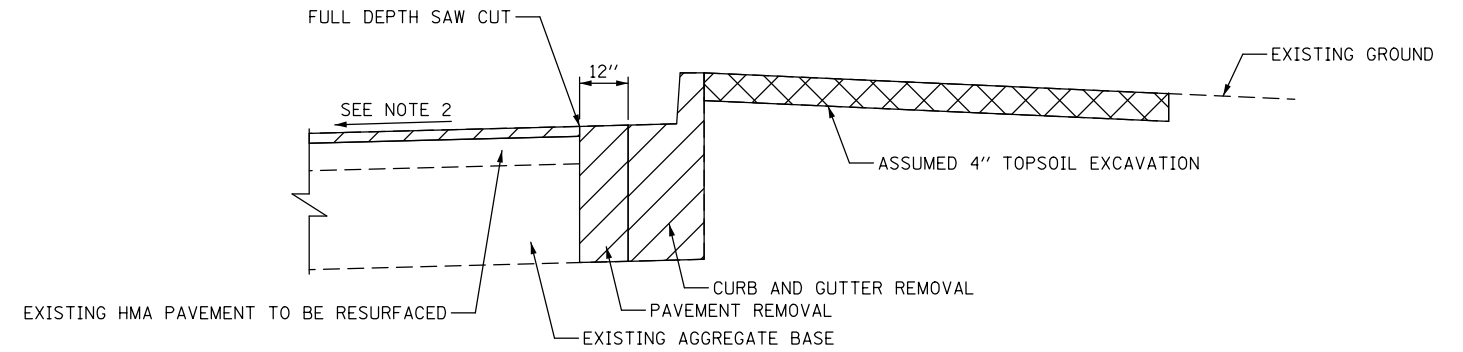
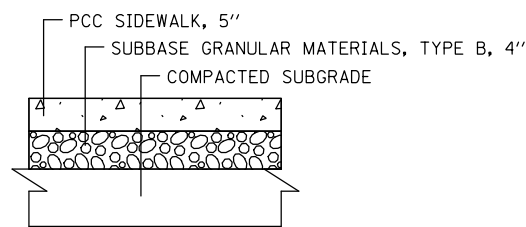
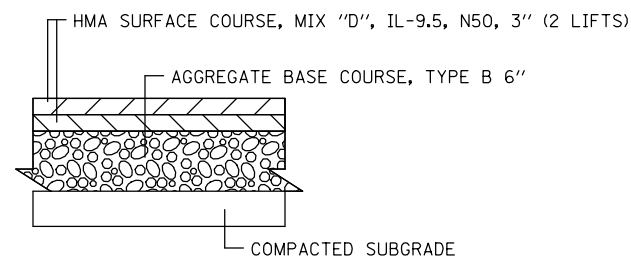
FUNDING SOURCE						ACCESS TO TRANSIT		
CONSTRUCTION TYPE CODE						80% FED 20% LOCAL		
						0005	0021	0042
		CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING	TRAINEES
*	~	XX008269	WAYFINDING SIGN	EACH	2	2	0	0
*		XX008686	BIKE SHELTER	EACH	1	1	0	0
*		XX008694	HOT-MIX ASPHALT SIDEWALK REMOVAL	SQ YD	94	94	0	0
*		XX009158	BIKE SHELTER TYPE 2	EACH	1	1	0	0
*		XX009477	COMMUTER SHELTER	EACH	2	2	0	0
*	~	Z0003855	BICYCLE RACKS	EACH	4	4	0	0
*		Z0004002	BOLLARDS	EACH	20	20	0	0
*		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	0	0
*		Z0022800	FENCE REMOVAL	FOOT	40	40	0	0
*	~	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	0	6	0
*		Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	0	0
*		Z0076600	TRAINEES	HOUR	500	0	0	500
*		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	0	0	500

~ DENOTES SPECIALTY ITEM
 * DENOTES SPECIAL PROVISION

N:\Aurora\200106\Civil\500_06_200106.SHT



NOTES:
1. ALL EXISTING PARKING LOT PAVEMENT OUTSIDE OF NEW PARKING LOT PAVEMENT LIMITS SHALL BE RESURFACED.



NOTES:
1. PROPOSED CURB AND GUTTER SHALL BE REVERSED PITCH UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE THE CONSTRUCTION DETAILS FOR MORE INFORMATION.
2. EXISTING PAVEMENT SLOPES TOWARDS CENTER OF PARKING LOT.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE ITEM	AIR VOIDS @ Ndes	QMP
PARKING LOT PAVEMENT RECONSTRUCTION & WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1 1/2"	4% @ 50 GYR	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	4% @ 50 GYR	LR 1030-2
PARKING LOT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1 1/2"	4% @ 50 GYR	LR 1030-2
HOT-MIX ASPHALT SIDEWALK		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" (2 LIFTS)	4% @ 50 GYR	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	9
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE								
STATION			OFFSET (RT/LT)	X2111000	20200100	20400800	20201200	66900200
				TOPSOIL EXCAVATION	EARTH EXCAVATION	FURNISHED EXCAVATION (SEE NOTE 4)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUTS)	NON-SPECIAL WASTE DISPOSAL
				(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
09+86	TO	10+26	21' TO 145' RT	42	46	3	0	88
10+18	TO	10+66	11' TO 33' LT	1	6	1	0	7
11+50	TO	15+29	11' TO 34' RT	89	130	99	12	231
15+54	TO	18+58	11' TO 39' RT	56	126	26	10	192
19+14	TO	19+72	85' TO 97' LT	11	0	13	0	0
19+51	TO	25+49	11' TO 43' LT	0	202	40	0	202
23+80	TO	25+51	45' TO 67' RT	23	29	11	1	53
TOTAL				222	539	193	23	773

NOTES:

1. IT IS ASSUMED THAT ALL EXISTING TOPSOIL WILL BE STRIPPED AND HAULED OFF SITE. FOR QUANTITY CALCULATIONS, THE EXISTING TOPSOIL WAS ESTIMATED TO BE 4-INCHES THICK.
2. NON-SPECIAL WASTE DISPOSAL SHALL INCLUDE THE HAULING AND DISPOSAL OF REGULATED SUBSTANCES ONLY. EARTH EXCAVATION AND REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS (AS APPLICABLE) SHALL BE PAID FOR SEPARATELY.
3. ADDITIONAL QUANTITY FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL HAS BEEN INCLUDED FOR UNDERCUTS BENEATH PROPOSED PAVEMENT AREAS AS DETERMINED TO BE NECESSARY BY THE ENGINEER. THE REMOVED SOILS SHALL BE REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT.
4. BASED ON FINDINGS OF THE PRELIMINARY SITE INVESTIGATION REPORT PREPARED BY HUFF & HUFF MAY 10, 2021, IT IS ASSUMED MOST DISTURBED SOIL WILL NEED TO BE REMOVED, DISPOSED OF AT A LANDFILL AND REPLACED WITH FURNISHED EXCAVATION OR OTHER PROPOSED ITEMS OF WORK. THE CONTRACTOR SHALL RE-USE ANY MATERIAL DEEMED ACCEPTABLE USING ON-SITE MONITORING OF REGULATED SUBSTANCES.
5. ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING SHALL BE CONSTRUCTED TO 4-INCHES BELOW FINISHED GRADE TO ALLOW FOR TOPSOIL PLACEMENT.

REMOVAL SCHEDULE

STATION		OFFSET (RT/LT)		QUANTITY	UNIT
TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110)					
10+13.8	TO		RT	12	UNIT
13+27.9	TO		RT	15	UNIT
13+70.5	TO		RT	15	UNIT
14+10.4	TO		RT	15	UNIT
14+58.0	TO		RT	15	UNIT
14+99.5	TO		RT	15	UNIT
16+04.5	TO		RT	4	UNIT
PAVEMENT REMOVAL (44000100)					
09+86.4	TO	10+09.9	RT	3	SQ YD
10+19.1	TO	10+25.6	RT	2	SQ YD
10+21.0	TO	10+61.6	LT	3	SQ YD
11+50.1	TO	15+28.7	RT	42	SQ YD
15+54.3	TO	18+57.7	RT	36	SQ YD
19+51.6	TO	25+47.5	LT	281	SQ YD
23+85.4	TO	25+47.4	RT	80	SQ YD
24+10.8	TO	24+22.5	RT	11	SQ YD
25+10.3	TO	25+21.5	RT	11	SQ YD
COMBINATION CURB AND GUTTER REMOVAL (44000500)					
09+86.4	TO	10+10.0	RT	28	FOOT
10+19.5	TO	10+25.6	RT	12	FOOT
10+21.2	TO	10+61.6	LT	27	FOOT
11+50.1	TO	15+28.7	RT	380	FOOT
15+54.3	TO	18+57.7	RT	323	FOOT
19+51.6	TO	25+47.5	LT	648	FOOT
23+85.4	TO	25+47.4	RT	175	FOOT
24+11.9	TO	24+21.4	RT	52	FOOT
25+11.5	TO	25+20.5	RT	47	FOOT

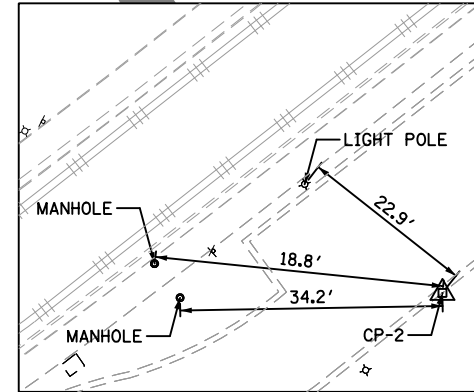
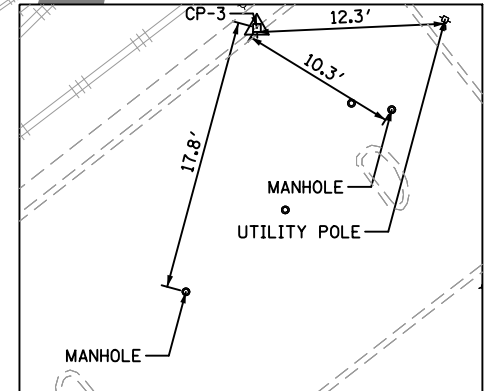
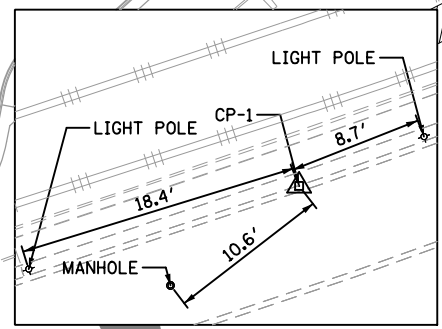
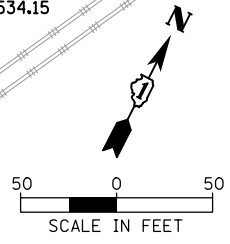
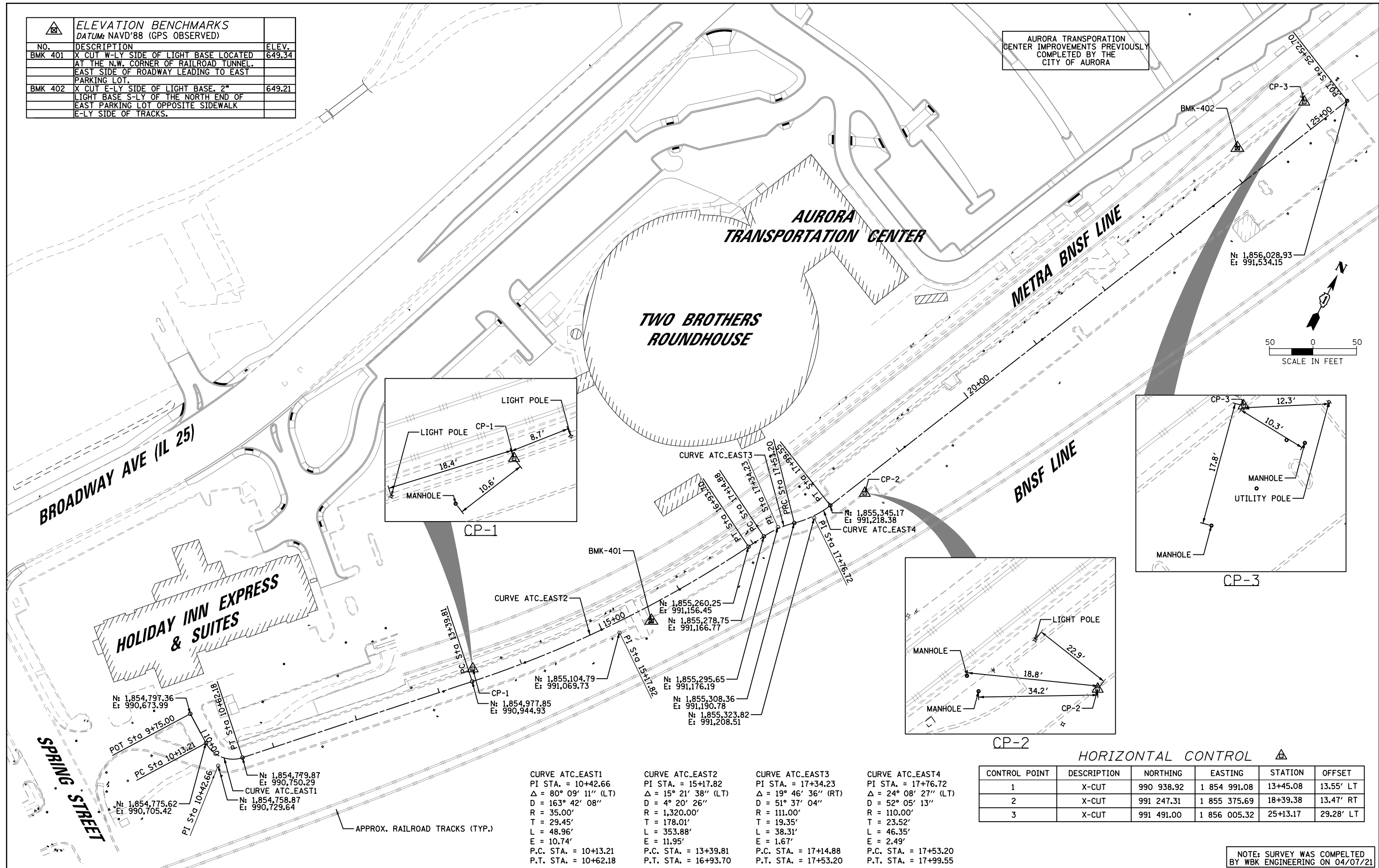
STATION		OFFSET (RT/LT)		QUANTITY	UNIT
SIDEWALK REMOVAL (4400600)					
09+97.4	TO	10+18.7	RT	266	FOOT
10+22.5	TO	10+61.5	LT	107	FOOT
19+83.3	TO	20+09.9	LT	235	FOOT
21+97.8	TO	25+48.9	LT	2400	FOOT
24+13.5	TO	24+20.0	RT	94	FOOT
25+12.8	TO	25+18.9	RT	77	FOOT
INLETS TO BE ADJUSTED (60260100)					
10+08.4	TO		RT	1	EACH
12+89.4	TO		RT	1	EACH
REMOVING INLETS (60500060)					
17+00.9	TO		RT	1	EACH
BOLLARD REMOVAL (X0350810)					
20+68.8	TO	21+75.6	LT	7	EACH
22+08.7	TO	22+16.2	LT	4	EACH
22+55.5	TO	23+52.3	LT	7	EACH
REMOVE SIGN COMPLETE (X7240205)					
10+00.4	TO	10+03.9	RT	1	EACH
10+16.3	TO		RT	1	EACH
20+68.8	TO	21+75.6	LT	7	EACH
22+55.5	TO	23+52.3	LT	7	EACH
24+64.6	TO		RT	1	EACH
25+34.0	TO		RT	1	EACH
HOT-MIX ASPHALT SIDEWALK REMOVAL (XX008694)					
10+17.0	TO	10+25.5	RT	78	SQ YD
10+25.0	TO	10+65.1	LT	16	SQ YD
FENCE REMOVAL (Z0022800)					
19+22.8	TO	19+62.8	LT	40	FOOT

NOTES:

1. ADDITIONAL QUANTITIES HAVE BEEN INCLUDE FOR SOME PAY ITEMS FOR SPOT REPAIRS WITHIN THE PROJECT LIMITS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
BMK 401	X CUT W-LY SIDE OF LIGHT BASE LOCATED AT THE N.W. CORNER OF RAILROAD TUNNEL, EAST SIDE OF ROADWAY LEADING TO EAST PARKING LOT.	649.34
BMK 402	X CUT E-LY SIDE OF LIGHT BASE, 2" LIGHT BASE S-LY OF THE NORTH END OF EAST PARKING LOT OPPOSITE SIDEWALK E-LY SIDE OF TRACKS.	649.21

AURORA TRANSPORTATION CENTER IMPROVEMENTS PREVIOUSLY COMPLETED BY THE CITY OF AURORA



CURVE ATC.EAST1	CURVE ATC.EAST2	CURVE ATC.EAST3	CURVE ATC.EAST4
PI STA. = 10+42.66	PI STA. = 15+17.82	PI STA. = 17+34.23	PI STA. = 17+76.72
$\Delta = 80^\circ 09' 11''$ (LT)	$\Delta = 15^\circ 21' 38''$ (LT)	$\Delta = 19^\circ 46' 36''$ (RT)	$\Delta = 24^\circ 08' 27''$ (LT)
D = 163' 42' 08"	D = 4' 20' 26"	D = 51' 37' 04"	D = 52' 05' 13"
R = 35.00'	R = 1,320.00'	R = 111.00'	R = 110.00'
T = 29.45'	T = 178.01'	T = 19.35'	T = 23.52'
L = 48.96'	L = 353.88'	L = 38.31'	L = 46.35'
E = 10.74'	E = 11.95'	E = 1.67'	E = 2.49'
P.C. STA. = 10+13.21	P.C. STA. = 13+39.81	P.C. STA. = 17+14.88	P.C. STA. = 17+53.20
P.T. STA. = 10+62.18	P.T. STA. = 16+93.70	P.T. STA. = 17+53.20	P.T. STA. = 17+99.55

HORIZONTAL CONTROL					
CONTROL POINT	DESCRIPTION	NORTHING	EASTING	STATION	OFFSET
1	X-CUT	990 938.92	1 854 991.08	13+45.08	13.55' LT
2	X-CUT	991 247.31	1 855 375.69	18+39.38	13.47' RT
3	X-CUT	991 491.00	1 856 005.32	25+13.17	29.28' LT

NOTE: SURVEY WAS COMPLETED BY WBK ENGINEERING ON 04/07/21

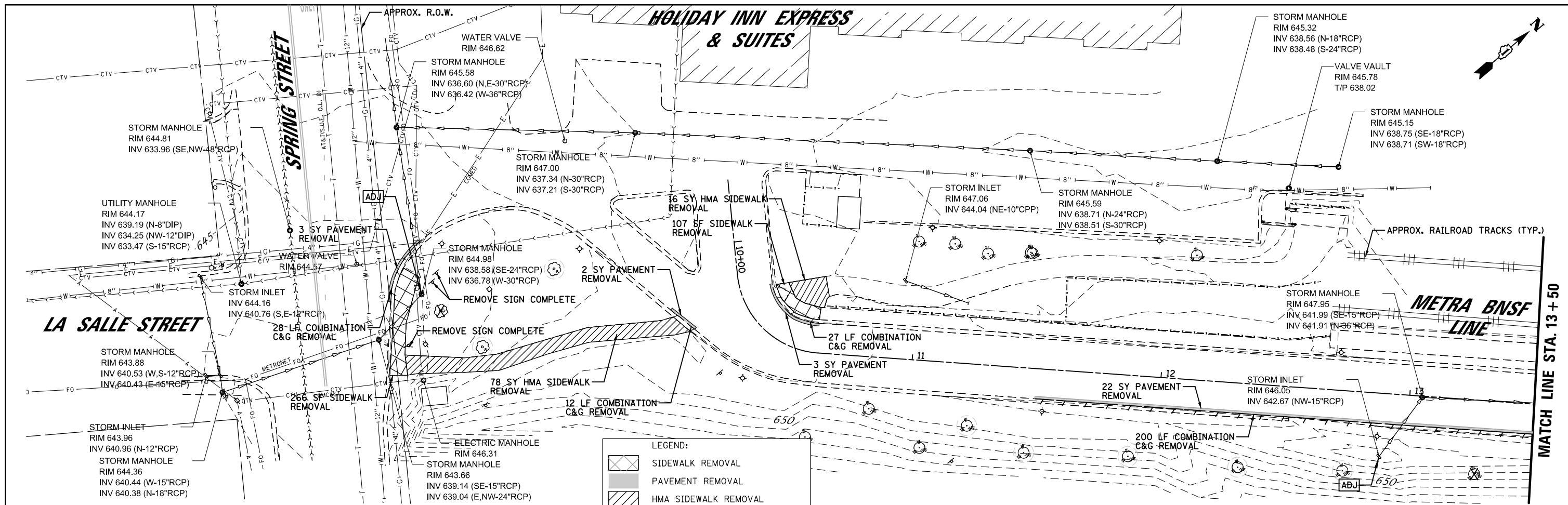
CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2880	USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 100'	DRAWN - JRS	REVISED -
	PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
		DATE = 12/1/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ATC EAST PARKING LOT IMPROVEMENTS ALIGNMENT, TIES, AND BENCHMARKS			
SCALE: 100'	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	12
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Civil\BMK_200106.SHT



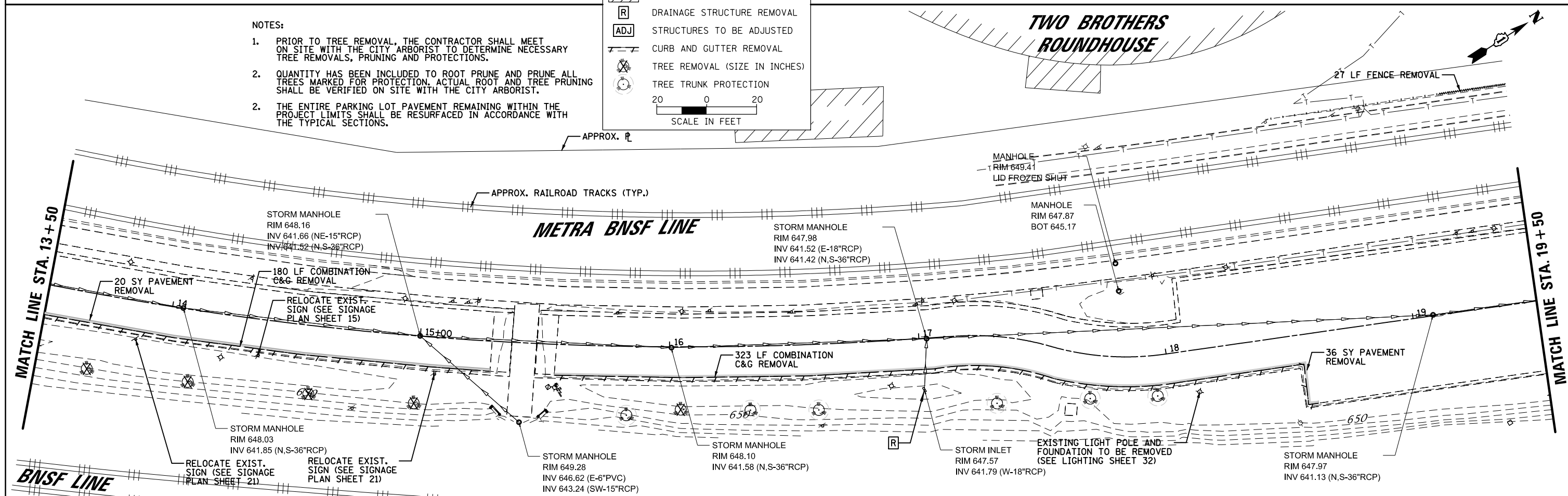
NOTES:

1. PRIOR TO TREE REMOVAL, THE CONTRACTOR SHALL MEET ON SITE WITH THE CITY ARBORIST TO DETERMINE NECESSARY TREE REMOVALS, PRUNING AND PROTECTIONS.
2. QUANTITY HAS BEEN INCLUDED TO ROOT PRUNE AND PRUNE ALL TREES MARKED FOR PROTECTION. ACTUAL ROOT AND TREE PRUNING SHALL BE VERIFIED ON SITE WITH THE CITY ARBORIST.
2. THE ENTIRE PARKING LOT PAVEMENT REMAINING WITHIN THE PROJECT LIMITS SHALL BE RESURFACED IN ACCORDANCE WITH THE TYPICAL SECTIONS.

LEGEND:

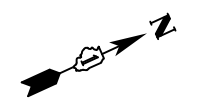
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- HMA SIDEWALK REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- STRUCTURES TO BE ADJUSTED
- CURB AND GUTTER REMOVAL
- TREE REMOVAL (SIZE IN INCHES)
- TREE TRUNK PROTECTION

SCALE IN FEET
20 0 20



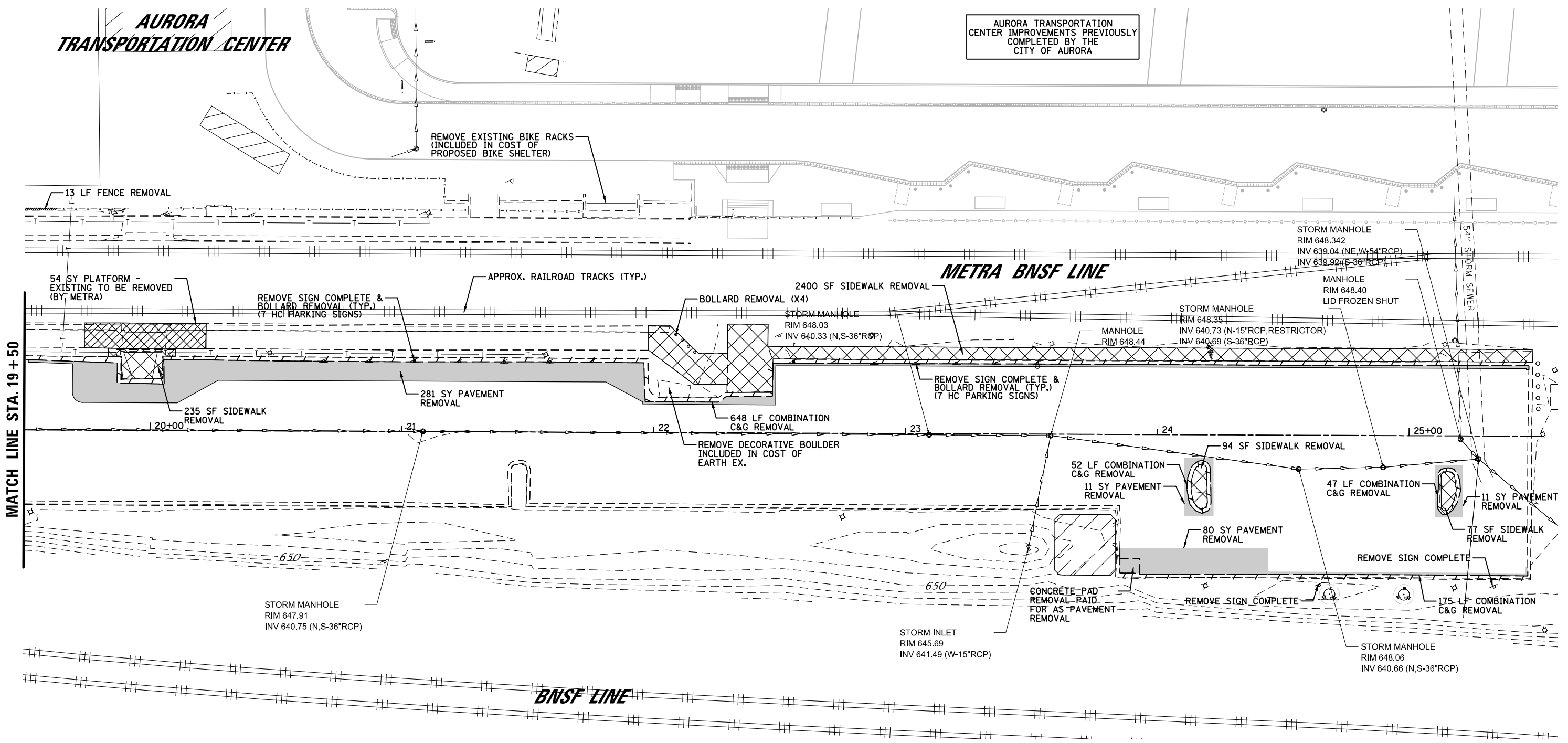
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME - aschaefer PLOT SCALE - 48" PLOT DATE - 12/1/2021	DESIGNED - AJS DRAWN - JRS CHECKED - BMW DATE - 12/1/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ATC EAST PARKING LOT IMPROVEMENTS EXISTING CONDITIONS AND REMOVAL PLAN	F.A.P. RTE. - N/A SECTION - 18-00325-00-PK COUNTY - KANE TOTAL SHEETS - 48 SHEET NO. - 13	CONTRACT NO. 61H35 ILLINOIS FED. AID PROJECT
	SCALE: 40' SHEET 1 OF 2 SHEETS STA. 10+00 TO STA. 19+50						

N:\Aurora\200106\Civil\REM_01_200106.SHT



AURORA TRANSPORTATION CENTER

AURORA TRANSPORTATION CENTER IMPROVEMENTS PREVIOUSLY COMPLETED BY THE CITY OF AURORA



MATCH LINE STA. 19+50

NOTES:

1. PRIOR TO TREE REMOVAL, THE CONTRACTOR SHALL MEET ON SITE WITH THE CITY ARBORIST TO DETERMINE NECESSARY TREE REMOVALS, PRUNING AND PROTECTIONS.
2. QUANTITY HAS BEEN INCLUDED TO ROOT PRUNE AND PRUNE ALL TREES MARKED FOR PROTECTION. ACTUAL ROOT AND TREE PRUNING SHALL BE VERIFIED ON SITE WITH THE CITY ARBORIST.
2. THE ENTIRE PARKING LOT PAVEMENT REMAINING WITHIN THE PROJECT LIMITS SHALL BE RESURFACED IN ACCORDANCE WITH THE TYPICAL SECTIONS.

LEGEND:

	SIDEWALK REMOVAL
	PAVEMENT REMOVAL
	HMA SIDEWALK REMOVAL
	DRAINAGE STRUCTURE REMOVAL
	STRUCTURES TO BE ADJUSTED
	CURB AND GUTTER REMOVAL
	TREE REMOVAL (SIZE IN INCHES)
	TREE TRUNK PROTECTION

20 0 20
SCALE IN FEET

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 48"	DRAWN - JRS	REVISED -
	PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
		DATE - 12/1/2021	REVISED -

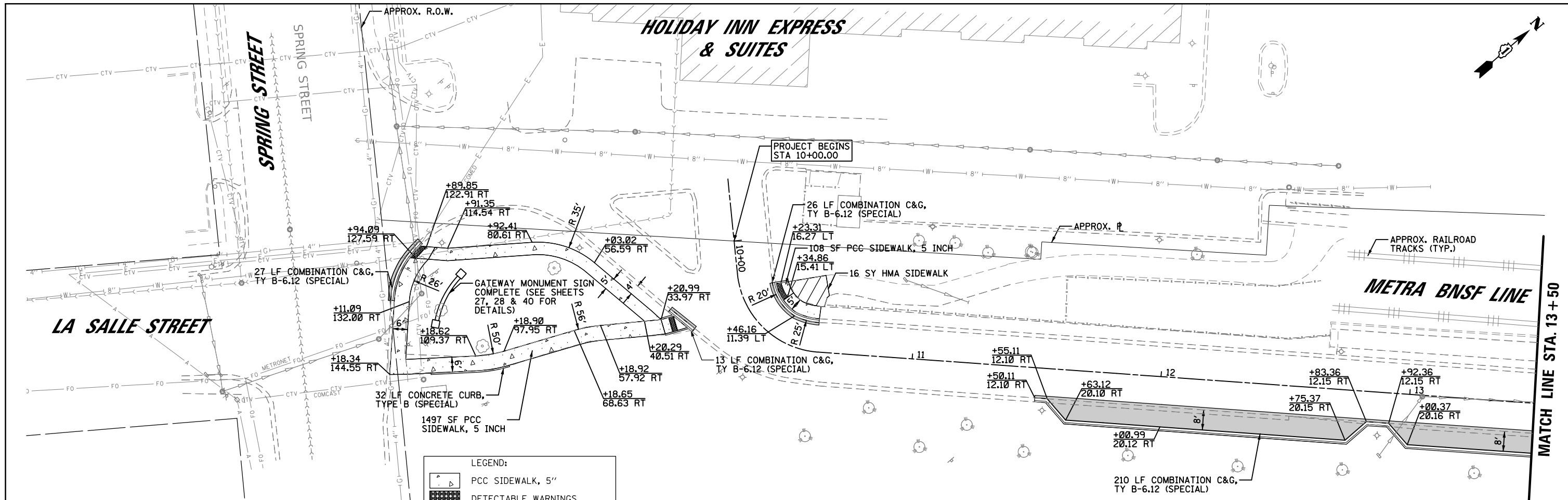
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 40' SHEET 2 OF 2 SHEETS STA. 19+50 TO STA. 25+53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	14
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Civi\REM_02_200106.SHT



LEGEND:

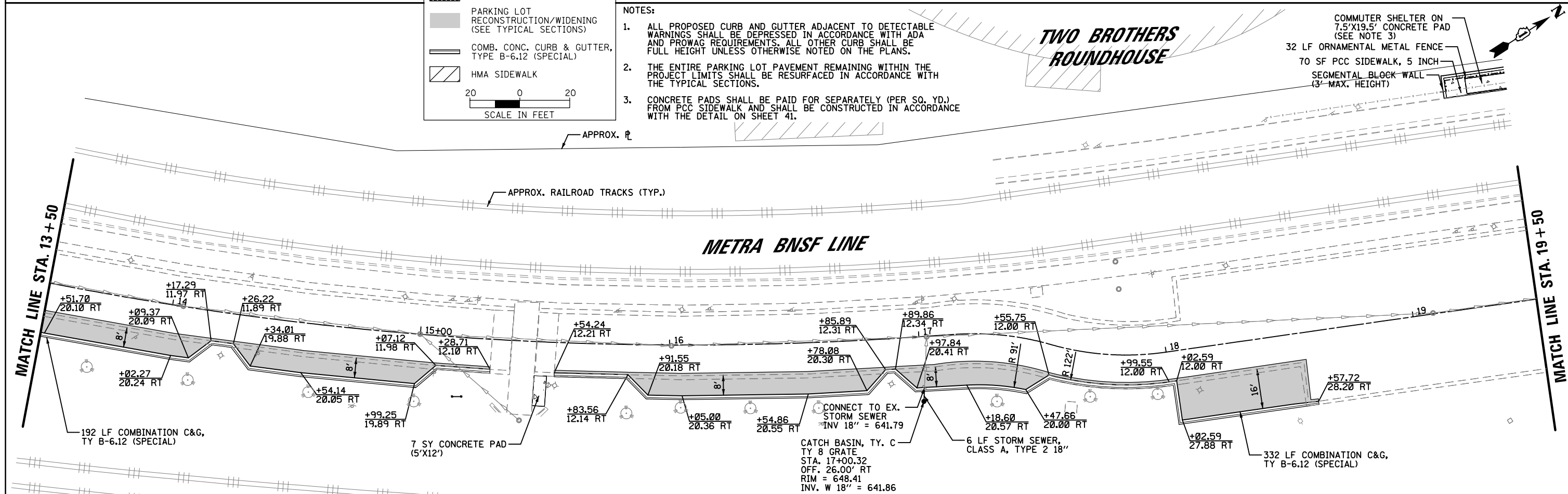
- PCC SIDEWALK, 5"
- DETECTABLE WARNINGS
- PARKING LOT RECONSTRUCTION/WIDENING (SEE TYPICAL SECTIONS)
- COMB. CONC. CURB & GUTTER, TYPE B-6.12 (SPECIAL)
- HMA SIDEWALK

20 0 20
SCALE IN FEET

- NOTES:**
- ALL PROPOSED CURB AND GUTTER ADJACENT TO DETECTABLE WARNINGS SHALL BE DEPRESSED IN ACCORDANCE WITH ADA AND PROWAG REQUIREMENTS. ALL OTHER CURB SHALL BE FULL HEIGHT UNLESS OTHERWISE NOTED ON THE PLANS.
 - THE ENTIRE PARKING LOT PAVEMENT REMAINING WITHIN THE PROJECT LIMITS SHALL BE RESURFACED IN ACCORDANCE WITH THE TYPICAL SECTIONS.
 - CONCRETE PADS SHALL BE PAID FOR SEPARATELY (PER SQ. YD.) FROM PCC SIDEWALK AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL ON SHEET 41.

TWO BROTHERS ROUNDHOUSE

- COMMUTER SHELTER ON 7.5'X19.5' CONCRETE PAD (SEE NOTE 3)
- 32 LF ORNAMENTAL METAL FENCE
- 70 SF PCC SIDEWALK, 5 INCH
- SEGMENTAL BLOCK WALL (3'-MAX. HEIGHT)



CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2880

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

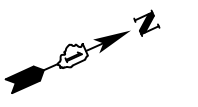
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
PROPOSED SITE PLAN**

SCALE: 40' SHEET 1 OF 2 SHEETS STA. 10+00 TO STA. 19+50

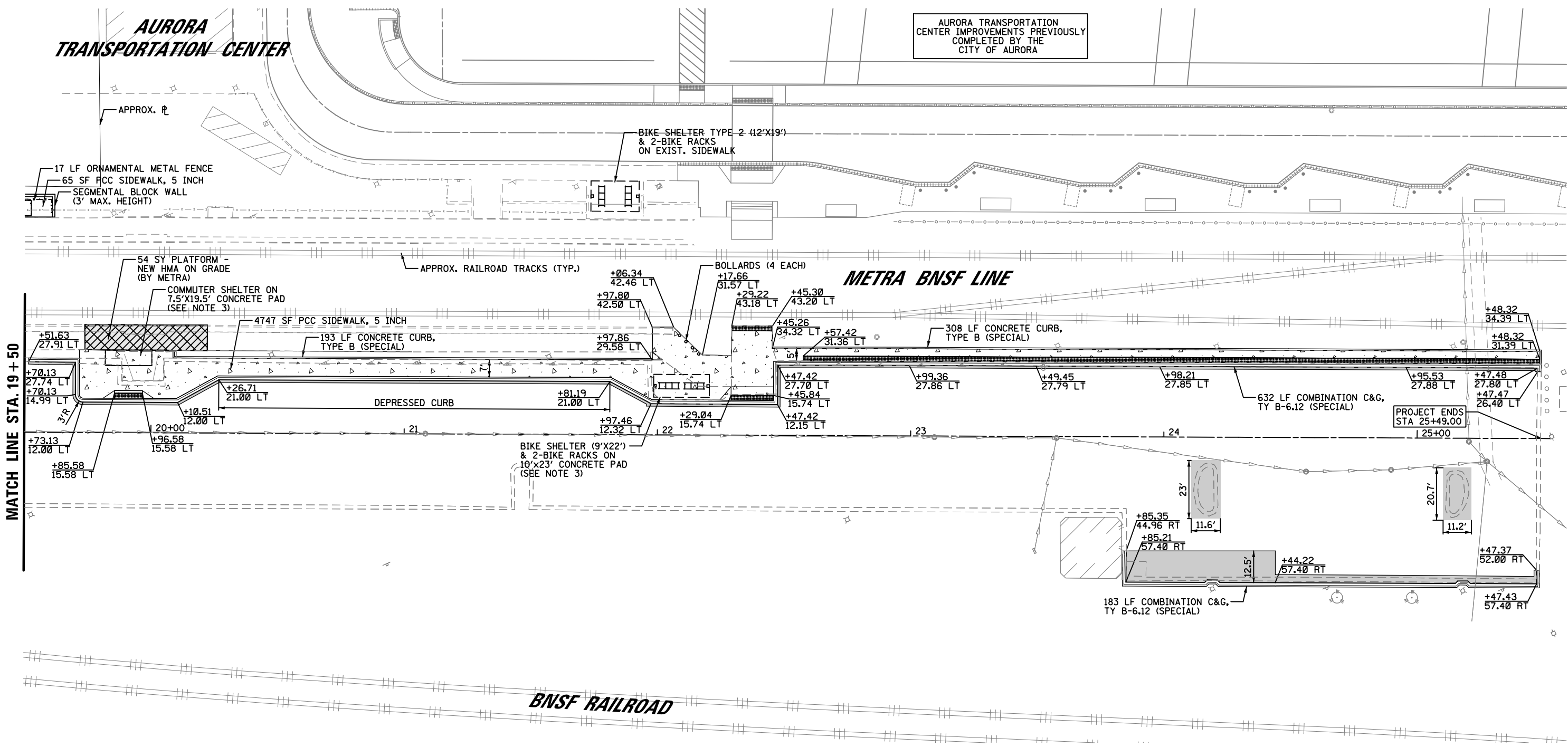
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	15
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Civil\PLN.01_200106.SHT



AURORA TRANSPORTATION CENTER

AURORA TRANSPORTATION CENTER IMPROVEMENTS PREVIOUSLY COMPLETED BY THE CITY OF AURORA



MATCH LINE STA. 19 + 50

PROJECT ENDS STA 25+49.00

NOTES:

- ALL PROPOSED CURB AND GUTTER ADJACENT TO DETECTABLE WARNINGS SHALL BE DEPRESSED IN ACCORDANCE WITH ADA AND PROWAG REQUIREMENTS. ALL OTHER CURB SHALL BE FULL HEIGHT UNLESS OTHERWISE NOTED ON THE PLANS.
- THE ENTIRE PARKING LOT PAVEMENT REMAINING WITHIN THE PROJECT LIMITS SHALL BE RESURFACED IN ACCORDANCE WITH THE TYPICAL SECTIONS.
- CONCRETE PADS SHALL BE PAID FOR SEPARATELY (PER SQ. YD.) FROM PCC SIDEWALK AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL ON SHEET 41.

LEGEND:

- PCC SIDEWALK, 5"
- DETECTABLE WARNINGS
- PARKING LOT RECONSTRUCTION/WIDENING (SEE TYPICAL SECTIONS)
- COMB. CONC. CURB & GUTTER, TYPE B-6.12 (SPECIAL)
- HMA SIDEWALK

20 0 20
SCALE IN FEET

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

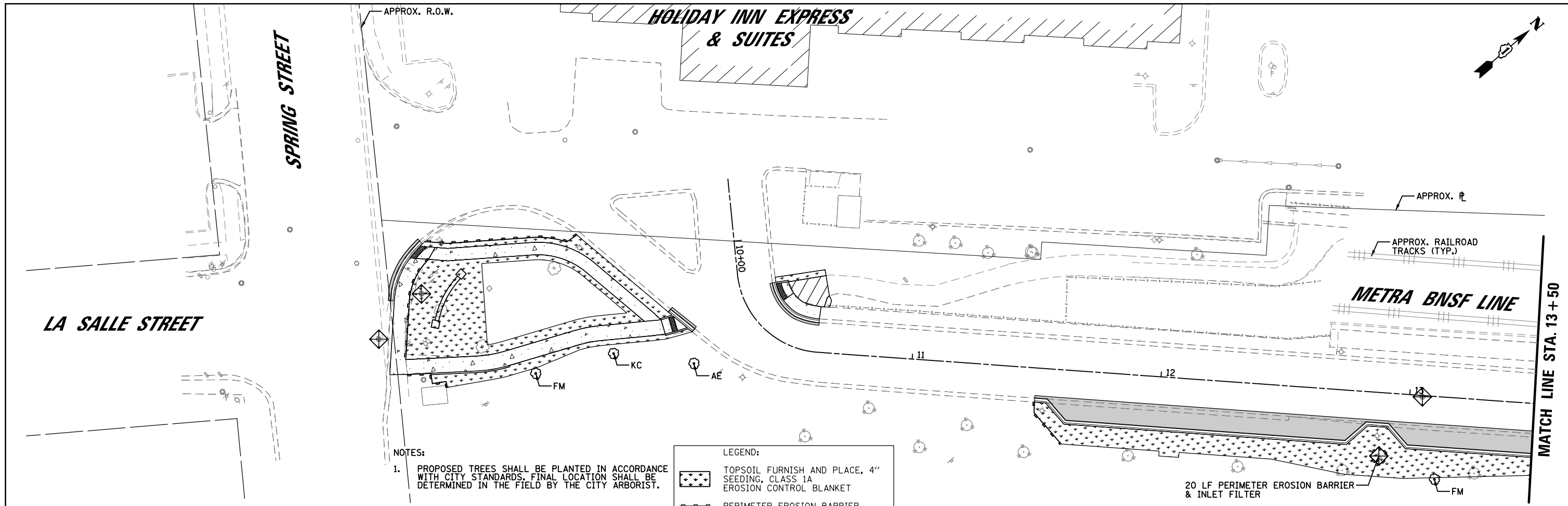
USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
PROPOSED SITE PLAN**

SCALE: 40' SHEET 2 OF 2 SHEETS STA. 19+50 TO STA. 25+53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	16
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				



NOTES:
 1. PROPOSED TREES SHALL BE PLANTED IN ACCORDANCE WITH CITY STANDARDS. FINAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CITY ARBORIST.

LEGEND:

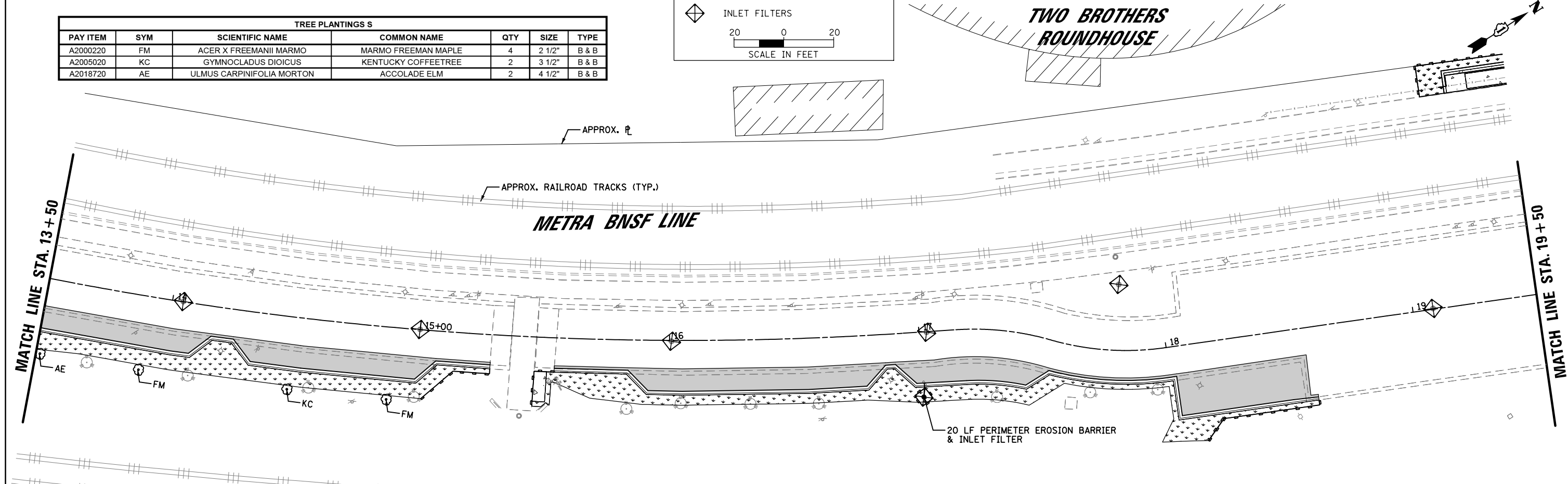
- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 1A EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- INLET FILTERS

20 LF PERIMETER EROSION BARRIER & INLET FILTER

SCALE IN FEET

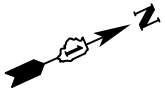
0 20

TREE PLANTINGS S						
PAY ITEM	SYM	SCIENTIFIC NAME	COMMON NAME	QTY	SIZE	TYPE
A2000220	FM	ACER X FREEMANII MARMO	MARMO FREEMAN MAPLE	4	2 1/2"	B & B
A2005020	KC	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	2	3 1/2"	B & B
A2018720	AE	ULMUS CARPINIFOLIA MORTON	ACCOLADE ELM	2	4 1/2"	B & B



CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ATC EAST PARKING LOT IMPROVEMENTS LANDSCAPING AND EROSION CONTROL PLAN			F.A.P. RTE. = N/A	SECTION = 18-00325-00-PK	COUNTY = KANE	TOTAL SHEETS = 48	SHEET NO. = 17
	PLOT SCALE = 48"	CHECKED - BMW	REVISED -		SCALE: 40'	SHEET 1 OF 2 SHEETS	STA. 10+00 TO STA. 19+50	CONTRACT NO. 61H35				
	PLOT DATE = 12/1/2021	DATE = 12/1/2021	REVISED -		ILLINOIS FED. AID PROJECT							

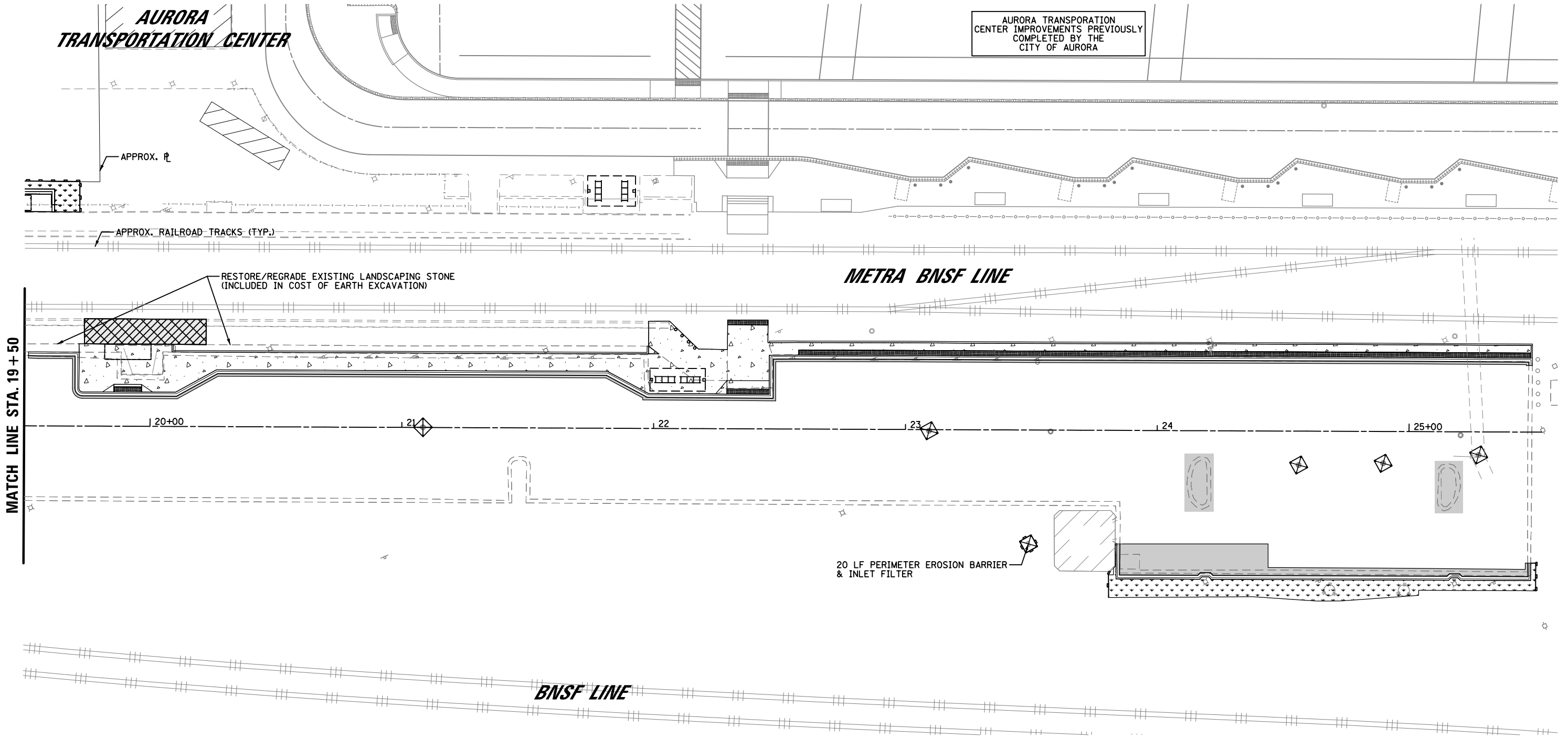
N:\Aurora\200106\Civil\ERO.01_200106.SHT



LEGEND:

- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 1A EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- INLET FILTERS

20 0 20
SCALE IN FEET



MATCH LINE STA. 19+50

AURORA TRANSPORTATION CENTER IMPROVEMENTS PREVIOUSLY COMPLETED BY THE CITY OF AURORA

RESTORE/REGRADE EXISTING LANDSCAPING STONE (INCLUDED IN COST OF EARTH EXCAVATION)

20 LF PERIMETER EROSION BARRIER & INLET FILTER

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

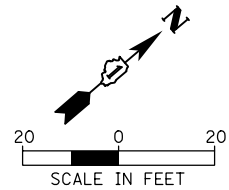
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
LANDSCAPING AND EROSION CONTROL PLAN**

SCALE: 40' SHEET 2 OF 2 SHEETS STA. 19+50 TO STA. 25+53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	18
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Civil\ERO.02_200106.SHT



**HOLIDAY INN EXPRESS
& SUITES**

SPRING STREET

LA SALLE STREET

METRA BNSF LINE

MATCH LINE STA. 13+50

- NOTES:**
1. CONTOURS SHOWN ARE 0.5' MINOR CONTOURS AND 1.0' MAJOR CONTOURS.
 2. GRADING LIMITS ARE SHOWN FOR REFERENCE ONLY. LANDSCAPE RESTORATION MAY BE REQUIRED OUTSIDE OF GRADING LIMITS.

LEGEND:

x648.11	PROPOSED SPOT ELEVATION
---	GRADING LIMITS (SEE NOTE 2)
~	EXISTING DRAINAGE PATTERN
~	PROPOSED DRAINAGE PATTERN



**TWO BROTHERS
ROUNDHOUSE**

METRA BNSF LINE

MATCH LINE STA. 13+50

MATCH LINE STA. 19+50

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2880

USER NAME = aschaefer
PLOT SCALE = 48"
PLOT DATE = 12/1/2021

DESIGNED - AJS
DRAWN - JRS
CHECKED - BMW
DATE - 12/1/2021

REVISED -
REVISED -
REVISED -
REVISED -

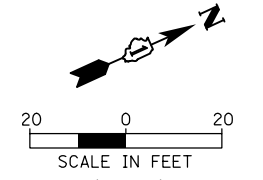
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
GRADING PLAN**

SCALE: 40' SHEET 1 OF 2 SHEETS STA. 10+00 TO STA. 19+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H35	

N:\Aurora\200106\Civil\GRD_01_200106.SHT

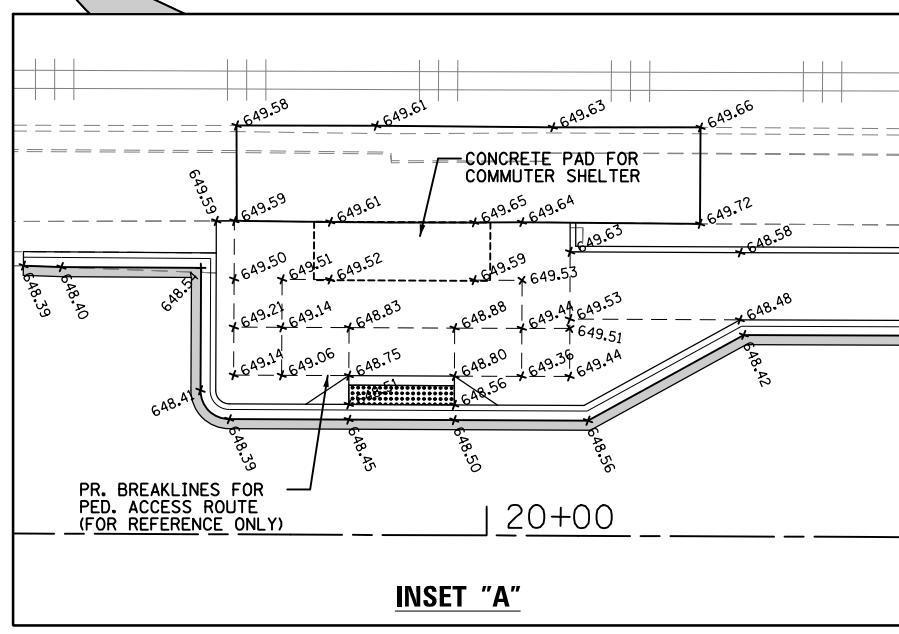


**AURORA
TRANSPORTATION CENTER**

METRA BNSF LINE

MATCH LINE STA. 19+50

SEE INSET "A"



INSET "A"

- NOTES:**
1. CONTOURS SHOWN ARE 0.5' MINOR CONTOURS AND 1.0' MAJOR CONTOURS.
 2. GRADING LIMITS ARE SHOWN FOR REFERENCE ONLY. LANDSCAPE RESTORATION MAY BE REQUIRED OUTSIDE OF GRADING LIMITS.

LEGEND:

x 648.11	PROPOSED SPOT ELEVATION
----	GRADING LIMITS (SEE NOTE 2)
~>	EXISTING DRAINAGE PATTERN
~>	PROPOSED DRAINAGE PATTERN

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2800

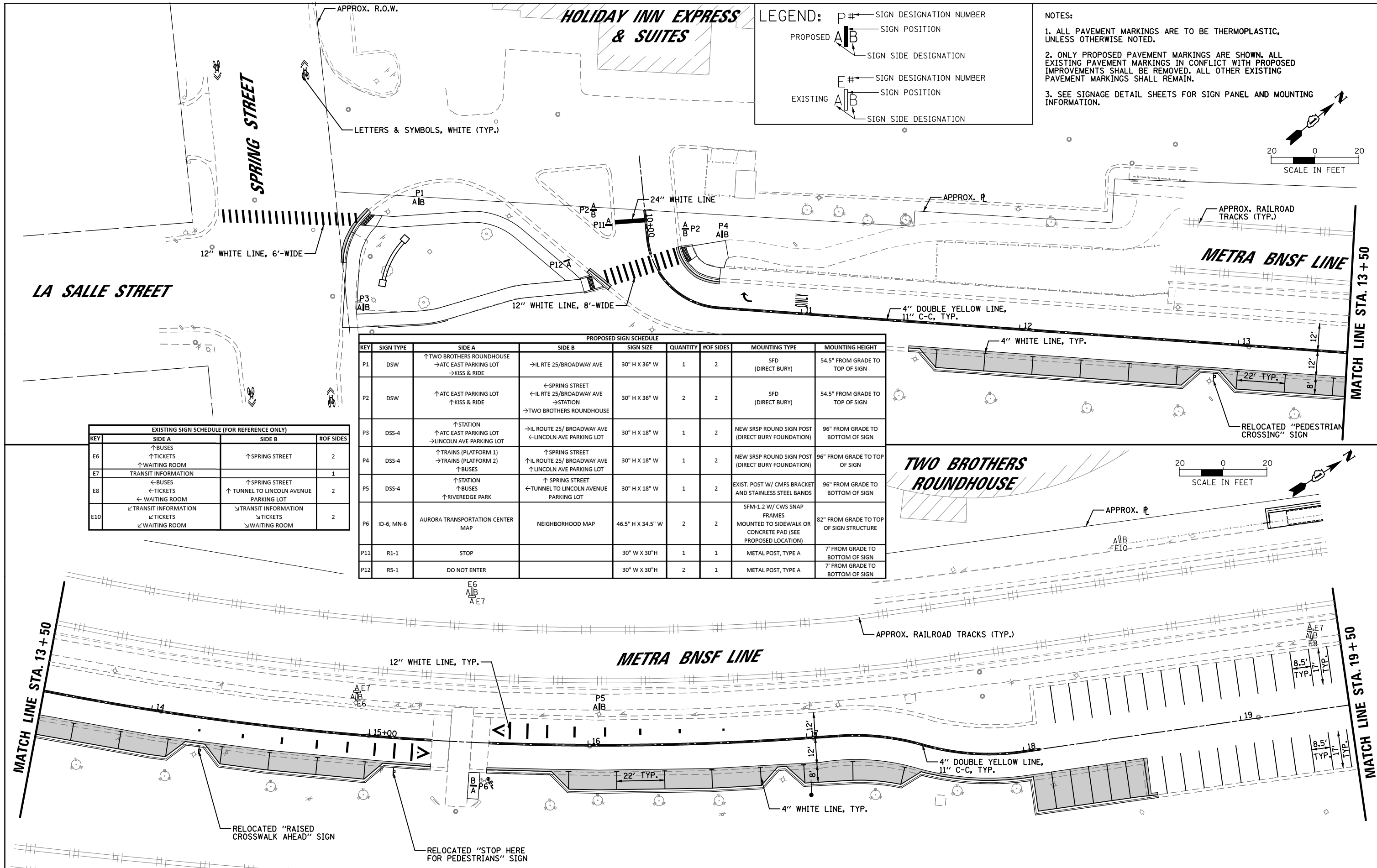
USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
GRADING PLAN**

SCALE: 40' SHEET 2 OF 2 SHEETS STA. 19+50 TO STA. 25+53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	20
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				



LEGEND:

PROPOSED SIGN DESIGNATION: P# (SIGN DESIGNATION NUMBER), A/B (SIGN POSITION), A/B (SIGN SIDE DESIGNATION)

EXISTING SIGN DESIGNATION: E# (SIGN DESIGNATION NUMBER), A/B (SIGN POSITION), A/B (SIGN SIDE DESIGNATION)

NOTES:

- ALL PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
- ONLY PROPOSED PAVEMENT MARKINGS ARE SHOWN. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED. ALL OTHER EXISTING PAVEMENT MARKINGS SHALL REMAIN.
- SEE SIGNAGE DETAIL SHEETS FOR SIGN PANEL AND MOUNTING INFORMATION.

SCALE IN FEET: 20 0 20

EXISTING SIGN SCHEDULE (FOR REFERENCE ONLY)

KEY	SIDE A	SIDE B	# OF SIDES
E6	↑ BUSES ↑ TICKETS ↑ WAITING ROOM	↑ SPRING STREET	2
E7	TRANSIT INFORMATION		1
E8	← BUSES ← TICKETS ← WAITING ROOM	↑ SPRING STREET ↑ TUNNEL TO LINCOLN AVENUE PARKING LOT	2
E10	↙ TRANSIT INFORMATION ↙ TICKETS ↙ WAITING ROOM	↘ TRANSIT INFORMATION ↘ TICKETS ↘ WAITING ROOM	2

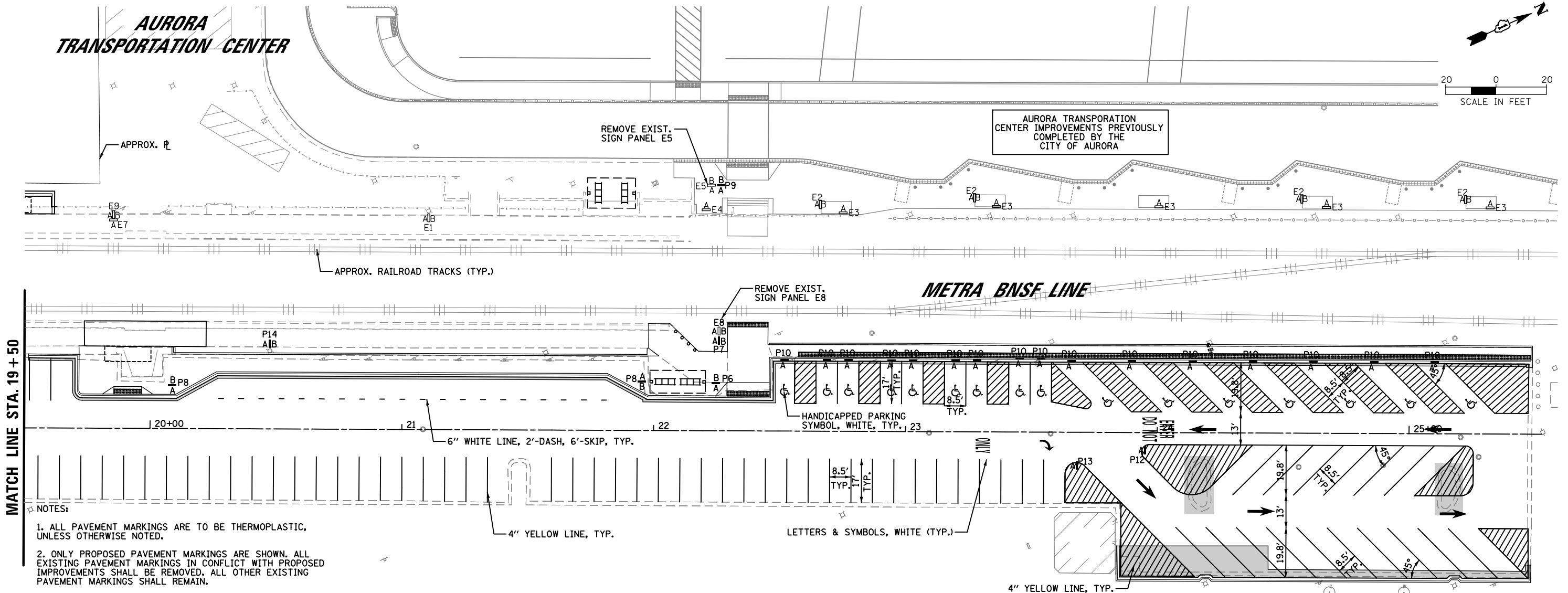
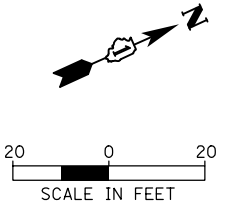
PROPOSED SIGN SCHEDULE

KEY	SIGN TYPE	SIDE A	SIDE B	SIGN SIZE	QUANTITY	# OF SIDES	MOUNTING TYPE	MOUNTING HEIGHT
P1	DSW	↑ TWO BROTHERS ROUNDHOUSE → ATC EAST PARKING LOT → KISS & RIDE	→ IL RTE 25/BROADWAY AVE	30" H X 36" W	1	2	SFD (DIRECT BURY)	54.5" FROM GRADE TO TOP OF SIGN
P2	DSW	↑ ATC EAST PARKING LOT ↑ KISS & RIDE	← SPRING STREET ← IL RTE 25/BROADWAY AVE → STATION → TWO BROTHERS ROUNDHOUSE	30" H X 36" W	2	2	SFD (DIRECT BURY)	54.5" FROM GRADE TO TOP OF SIGN
P3	DSS-4	↑ STATION ↑ ATC EAST PARKING LOT → LINCOLN AVE PARKING LOT	→ IL ROUTE 25/ BROADWAY AVE ← LINCOLN AVE PARKING LOT	30" H X 18" W	1	2	NEW SRSP ROUND SIGN POST (DIRECT BURY FOUNDATION)	96" FROM GRADE TO BOTTOM OF SIGN
P4	DSS-4	↑ TRAINS (PLATFORM 1) → TRAINS (PLATFORM 2) ↑ BUSES	↑ SPRING STREET ↑ IL ROUTE 25/ BROADWAY AVE ↑ LINCOLN AVE PARKING LOT	30" H X 18" W	1	2	NEW SRSP ROUND SIGN POST (DIRECT BURY FOUNDATION)	96" FROM GRADE TO TOP OF SIGN
P5	DSS-4	↑ STATION ↑ BUSES ↑ RIVEREDGE PARK	← SPRING STREET ← TUNNEL TO LINCOLN AVENUE PARKING LOT	30" H X 18" W	1	2	EXIST. POST W/ CMFS BRACKET AND STAINLESS STEEL BANDS	96" FROM GRADE TO BOTTOM OF SIGN
P6	ID-6, MN-6	AURORA TRANSPORTATION CENTER MAP	NEIGHBORHOOD MAP	46.5" H X 34.5" W	2	2	SFM-1.2 W/ CWS SNAP FRAMES MOUNTED TO SIDEWALK OR CONCRETE PAD (SEE PROPOSED LOCATION)	82" FROM GRADE TO TOP OF SIGN STRUCTURE
P11	R1-1	STOP		30" W X 30" H	1	1	METAL POST, TYPE A	7" FROM GRADE TO BOTTOM OF SIGN
P12	R5-1	DO NOT ENTER		30" W X 30" H	2	1	METAL POST, TYPE A	7" FROM GRADE TO BOTTOM OF SIGN

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer PLOT SCALE = 48" PLOT DATE = 12/1/2021	DESIGNED - AJ5 DRAWN - JRS CHECKED - BMW DATE - 12/1/2021	REVISED - REVISED - REVISED - REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">ATC EAST PARKING LOT IMPROVEMENTS PAVEMENT MARKING AND SIGNAGE PLAN</p>	F.A.P. RTE. = N/A SECTION = 18-00325-00-PK COUNTY = KANE TOTAL SHEETS = 48 SHEET NO. = 21 CONTRACT NO. = 61H35
	SCALE: 40' SHEET 1 OF 2 SHEETS STA. 10+00 TO STA. 19+50				ILLINOIS FED. AID PROJECT	

N:\Aurora\200106\Civil\PMK_01_200106.SHT

AURORA TRANSPORTATION CENTER

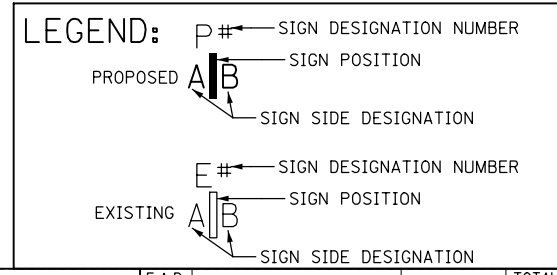


MATCH LINE STA. 19+50

- NOTES:**
1. ALL PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
 2. ONLY PROPOSED PAVEMENT MARKINGS ARE SHOWN. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED. ALL OTHER EXISTING PAVEMENT MARKINGS SHALL REMAIN.
 3. SEE SIGNAGE DETAIL SHEETS FOR SIGN PANEL AND MOUNTING INFORMATION.

EXISTING SIGN SCHEDULE (FOR REFERENCE ONLY)			
KEY	SIDE A	SIDE B	#OF SIDES
E1	↑ BUSES ↑ EXIT	→ METRA TICKETS → VENTRA VENDING → WAITING ROOM	1
E2	BUS STOP	BUS STOP	2
E3	BUS CONNECTIONS AURORA TRANSPORTATION CENTER		1
E4	NEIGHBORHOOD MAP TRAIN CONNECTIONS BUS CONNECTIONS		1
E5	→ BUSES ← TICKETS ← WAITING ROOM	METRA TRAINS ↑ → METRA TICKETS AND VENTRA	2
E7	TRANSIT INFORMATION		1
E8	← BUSES ← TICKETS ← WAITING ROOM	↑ SPRING STREET ↑ TUNNEL TO LINCOLN AVENUE PARKING LOT	2
E9	→ BUSES ← TICKETS ← WAITING ROOM	→ METRA TICKETS → VENTRA VENDING → WAITING ROOM	2
E10	↙ TRANSIT INFORMATION ↘ TICKETS ↘ WAITING ROOM	↘ TRANSIT INFORMATION ↘ TICKETS ↘ WAITING ROOM	2

PROPOSED SIGN SCHEDULE								
KEY	SIGN TYPE	SIDE A	SIDE B	SIGN SIZE	QUANTITY	#OF SIDES	MOUNTING TYPE	MOUNTING HEIGHT
P6	ID-6, MN-6	AURORA TRANSPORTATION CENTER MAP	NEIGHBORHOOD MAP	46.5" H X 34.5" W	2	2	SFM-1.2 W/ CWS SNAP FRAMES MOUNTED TO SIDEWALK OR CONCRETE PAD (SEE PROPOSED LOCATION)	82" FROM GRADE TO TOP OF SIGN STRUCTURE
P7	DSS-4	← BUSES ← STATION ← RIVEREDGE PARK	↑ SPRING STREET → STATION/BUSES → RIVEREDGE PARK	30" H X 18" W	1	2	EXIST. POST W/ CMFS BRACKETS	96" FROM GRADE TO BOTTOM OF SIGN
P8	DSS-3	→ KISS & RIDE	← KISS & RIDE	24" H X 18" W	2	2	NEW SRSP ROUND SIGN POST (SIDEWALK MOUNT)	96" FROM GRADE TO BOTTOM OF SIGN
P9	DSS-4	→ BUSES ← STATION ↑ RIVEREDGE PARK	TRAINS/KISS & RIDE ↑ (STAIRS) ← (ADA ACCESSIBLE) → STATION	30" H X 18" W	1	2	EXIST. POST W/ CMFS BRACKETS	96" FROM GRADE TO BOTTOM OF SIGN
P10	R7-8, R7-101	RESERVED PARKING \$250 FINE		18" H X 12" W	16	1	METAL POST, TYPE A W/ BOLLARD	60" FROM GRADE TO BOTTOM OF SIGN
P12	R5-1	DO NOT ENTER		30" W X 30" H	2	1	METAL POST, TYPE A	7" FROM GRADE TO BOTTOM OF SIGN
P13	R3-5	(RIGHT TURN) ONLY		30" W X 36" H	1	1	METAL POST, TYPE A	7" FROM GRADE TO BOTTOM OF SIGN
P14	DSS-4	↑ STATION ↑ BUSES ↑ RIVEREDGE PARK	↑ SPRING STREET ↑ TUNNEL TO LINCOLN AVENUE PARKING LOT	30" H X 18" W	1	2	EXIST. POST W/ CMFS BRACKET AND STAINLESS STEEL BANDS	96" FROM GRADE TO BOTTOM OF SIGN



CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

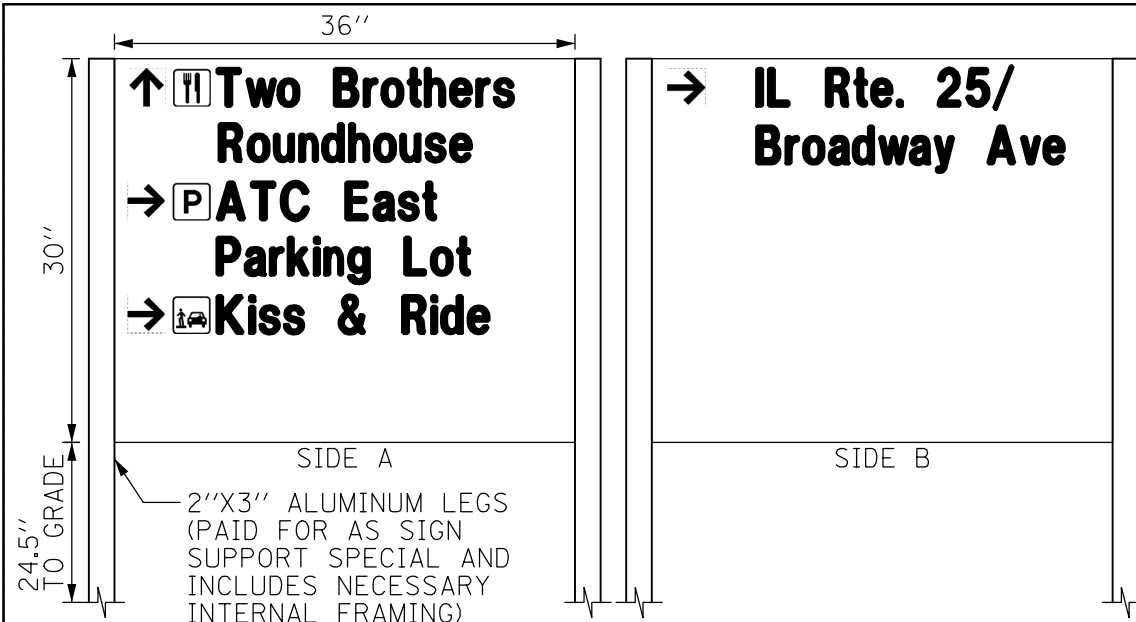
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
PAVEMENT MARKING AND SIGNAGE PLAN**

SCALE: 40' SHEET 2 OF 2 SHEETS STA. 19+50 TO STA. 25+53

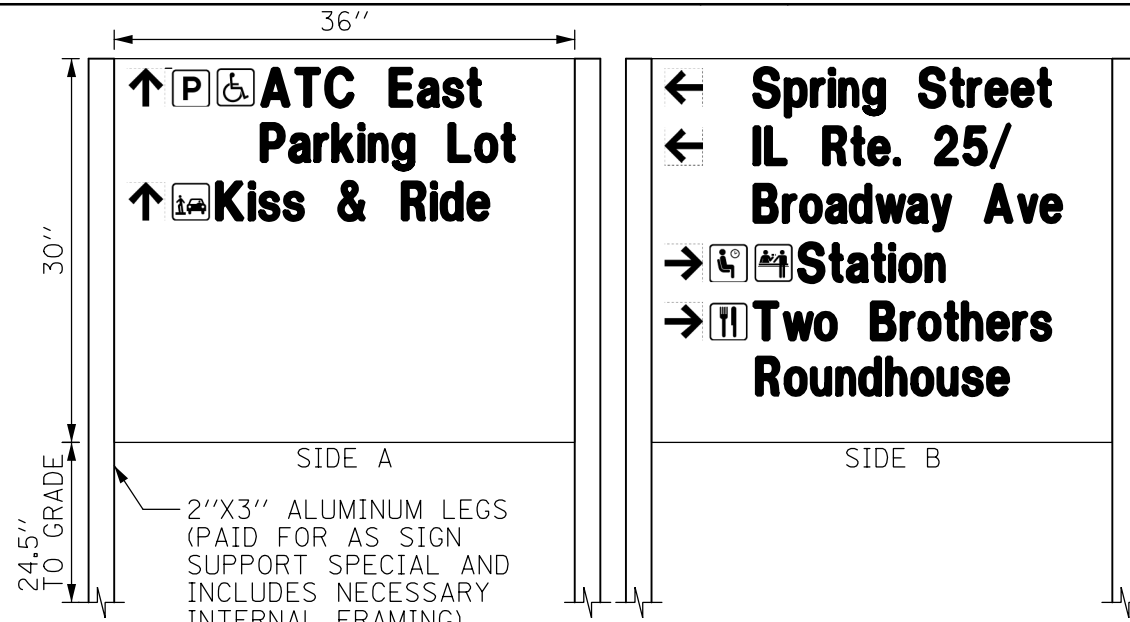
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	22
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Civil\PMK_02_200106.SHT



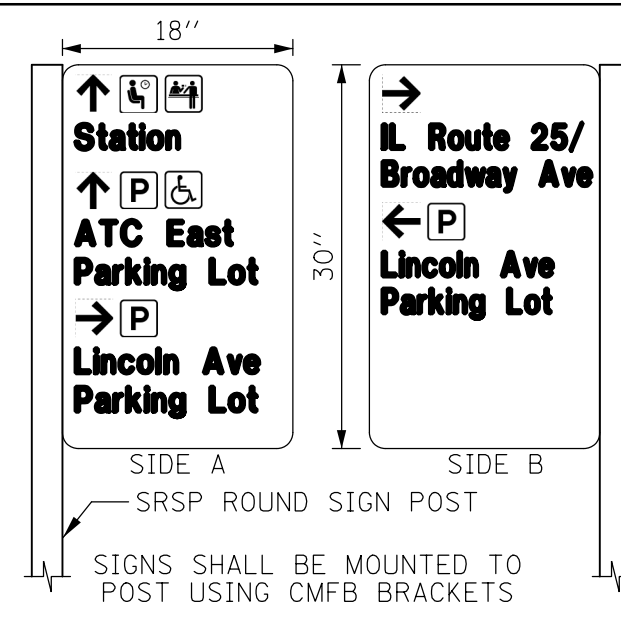
SFD SIGN STRUCTURE (FOUNDATION MOUNTED INSTALLATION)

SIGN P1



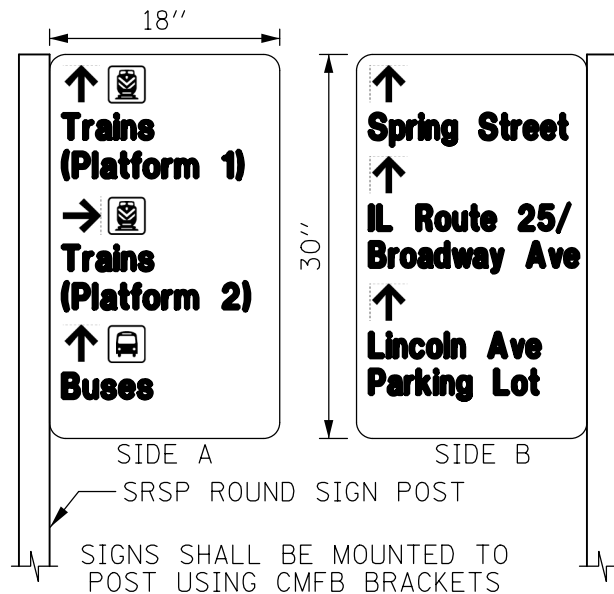
SFD SIGN STRUCTURE (FOUNDATION MOUNTED INSTALLATION)

SIGN P2

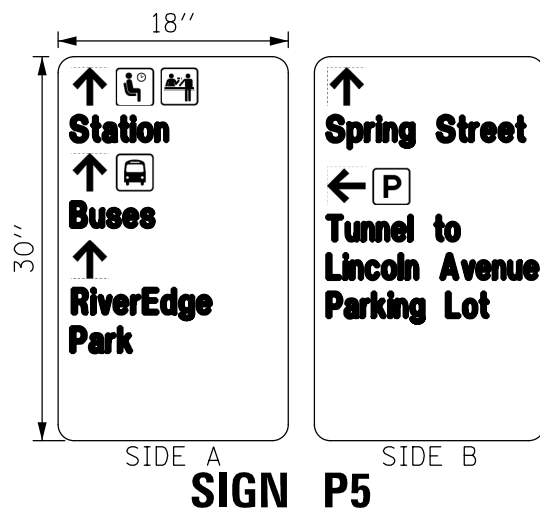


SIGNS SHALL BE MOUNTED TO POST USING CMFB BRACKETS

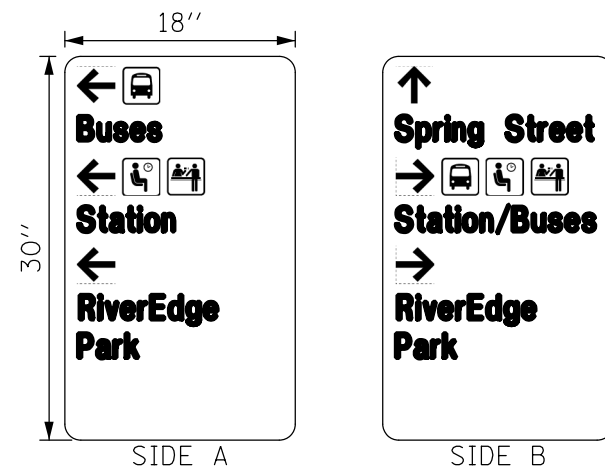
SIGN P3



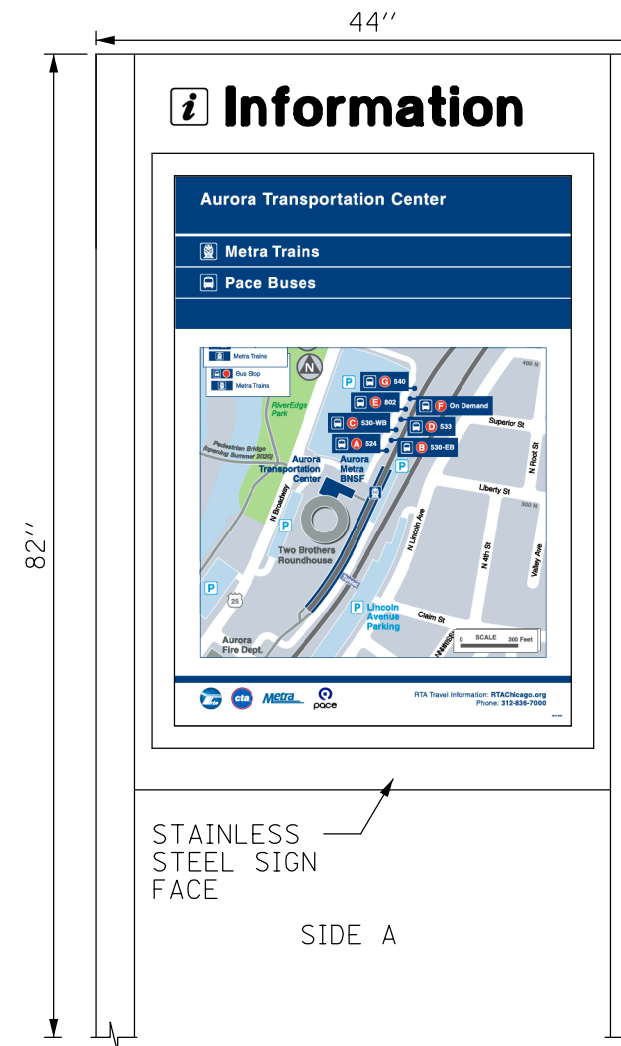
SIGN P4



SIGN P5

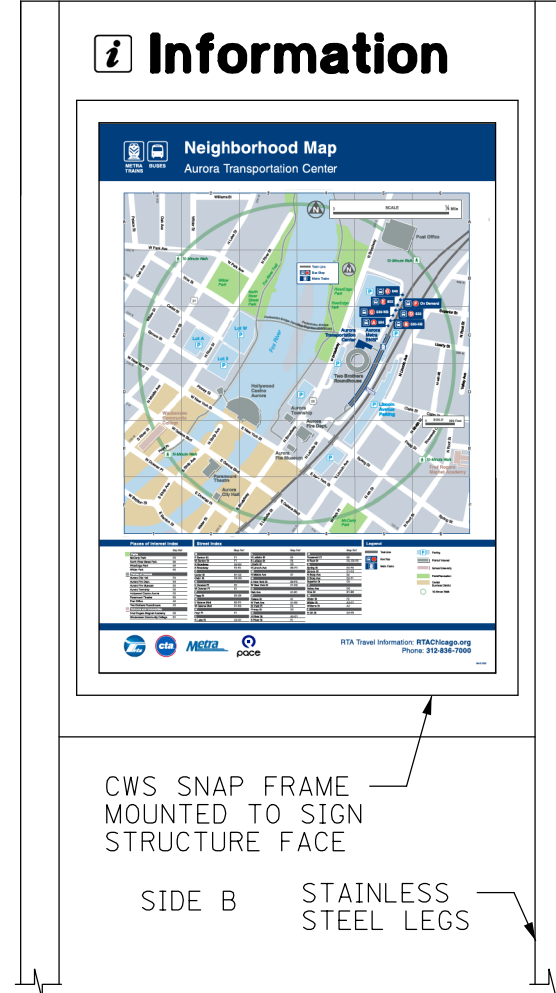


SIGN P7



STAINLESS STEEL SIGN FACE

SIDE A



CWS SNAP FRAME MOUNTED TO SIGN STRUCTURE FACE

SIDE B

STAINLESS STEEL LEGS

SFM-1.2 SIGN, SMAB MOUNTED STRUCTURE (MOUNTED TO SIDEWALK OR CONCRETE PAD, SEE SFM-1.2 SIGN MOUNT DETAIL) PAID FOR AS WAYFINDING SIGN

SIGN P6

NOTES:

- ALL SIGNS, POSTS AND SUPPORTS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE RTA'S INTERAGENCY TRANSIT PASSENGER INFORMATION DESIGN STANDARDS MANUAL (2020).
- CONTRACTOR SHALL REQUEST SIGNAGE GRAPHICS FROM RTA PRIOR TO SIGN FABRICATION.
- ALL WAYFINDING SIGNAGE SHALL HAVE BLUE BACKGROUNDS AND WHITE SYMBOLS/TEXT IN ACCORDANCE WITH RTA REQUIREMENTS.
- ALL SIGNS SHALL BE MOUNTED ON EXISTING POSTS USING CMFB TYPE BRACKETS AND 3/4" TYPE 316 STAINLESS STEEL BANDS UNLESS OTHERWISE SHOWN ON THESE DETAILS. REFER TO SIGNAGE SCHEDULE FOR DETAILED MOUNTING INFORMATION.

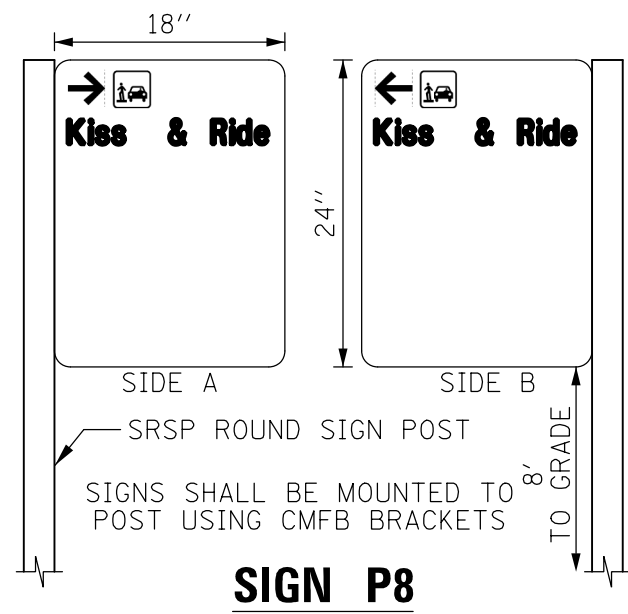
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 1"	DRAWN - JRS	REVISED -
	PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
		DATE - 12/1/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

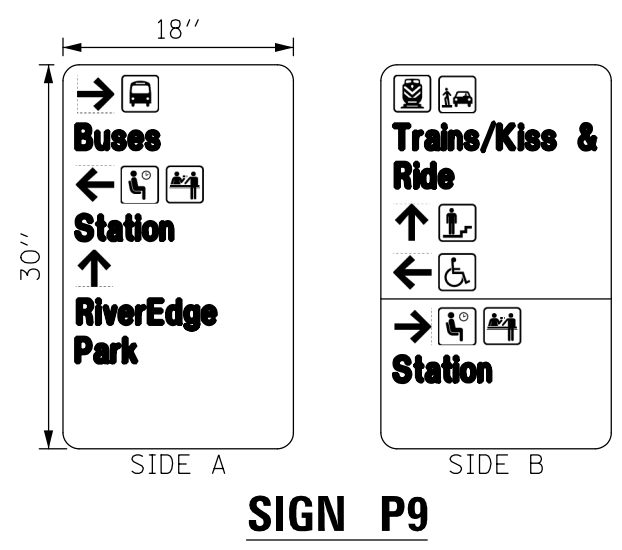
ATC EAST PARKING LOT IMPROVEMENTS
SIGNAGE DETAILS

SCALE: N.T.S. SHEET 1 OF 4 SHEETS STA. TO STA.

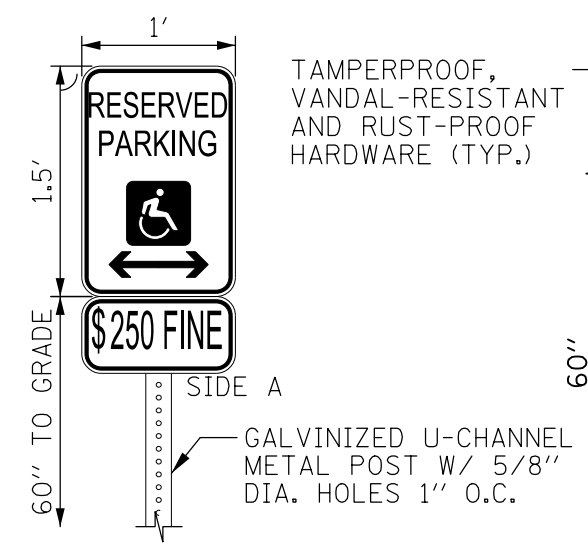
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	23
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				



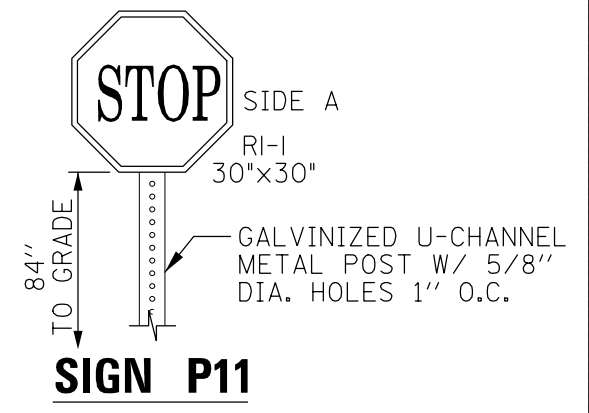
SIGN P8



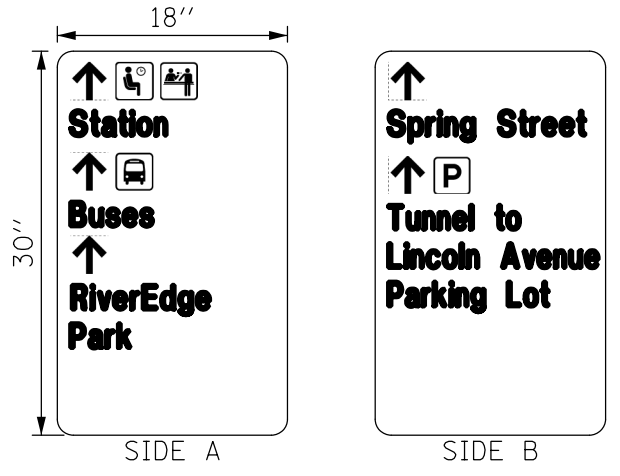
SIGN P9



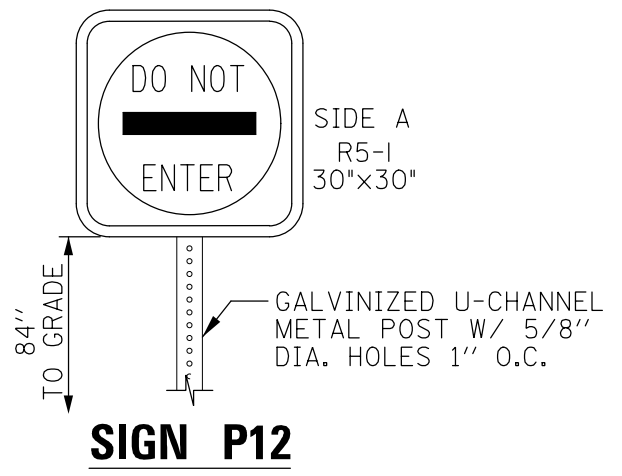
SIGN P10



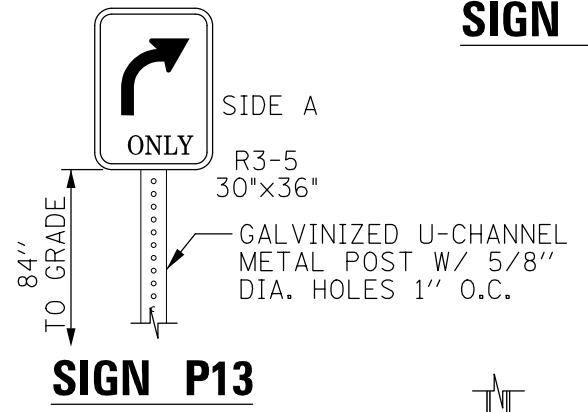
SIGN P11



SIGN P14

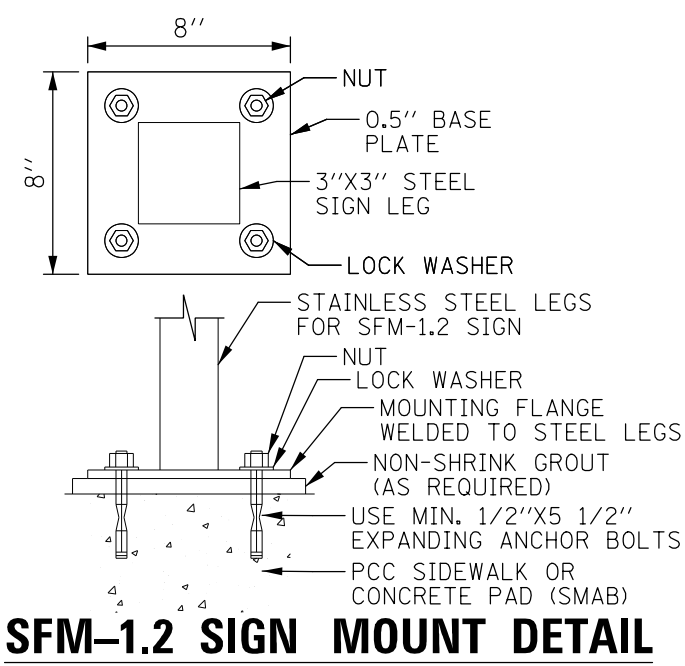


SIGN P12

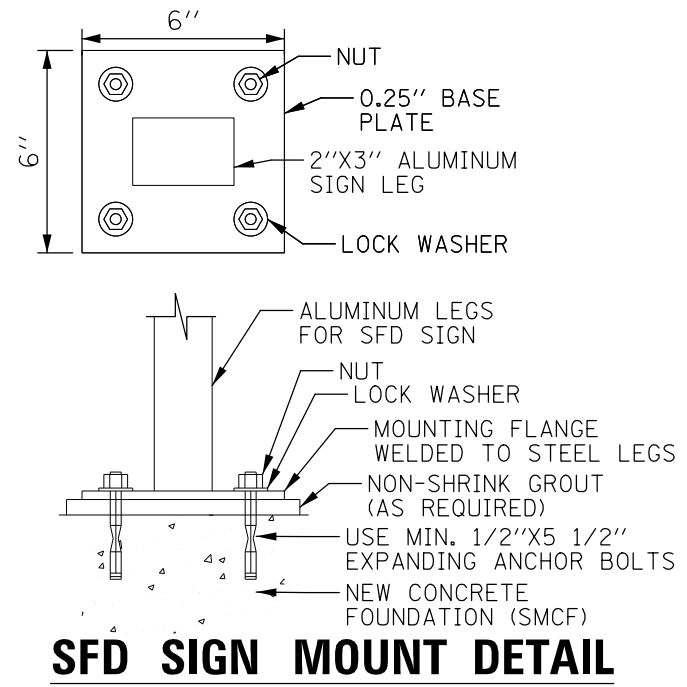


SIGN P13

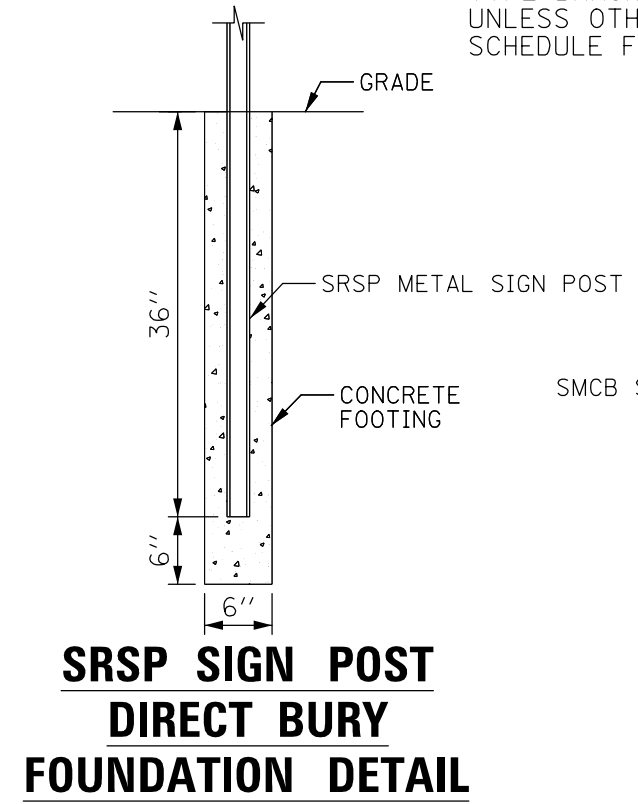
- NOTES:
1. ALL SIGNS, POSTS AND SUPPORTS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE RTA'S INTERAGENCY TRANSIT PASSENGER INFORMATION DESIGN STANDARDS MANUAL (2020).
 2. CONTRACTOR SHALL REQUEST SIGNAGE GRAPHICS FROM RTA PRIOR TO SIGN FABRICATION.
 3. ALL WAYFINDING SIGNAGE SHALL HAVE BLUE BACKGROUNDS AND WHITE SYMBOLS/TEXT IN ACCORDANCE WITH RTA REQUIREMENTS.
 4. ALL SIGNS SHALL BE MOUNTED ON EXISTING POSTS USING CMFS TYPE BRACKETS AND 3/4" TYPE 316 STAINLESS STEEL BANDS UNLESS OTHERWISE SHOWN ON THESE DETAILS. REFER TO SIGNAGE SCHEDULE FOR DETAILED MOUNTING INFORMATION.



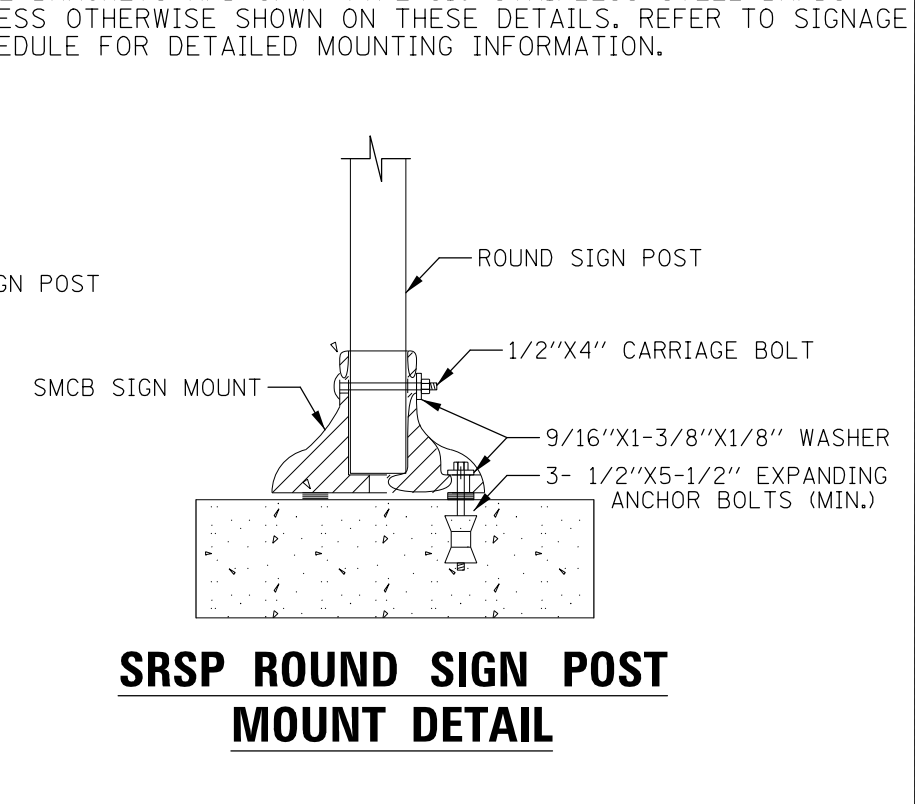
SFM-1.2 SIGN MOUNT DETAIL



SFD SIGN MOUNT DETAIL



SRSP SIGN POST DIRECT BURY FOUNDATION DETAIL

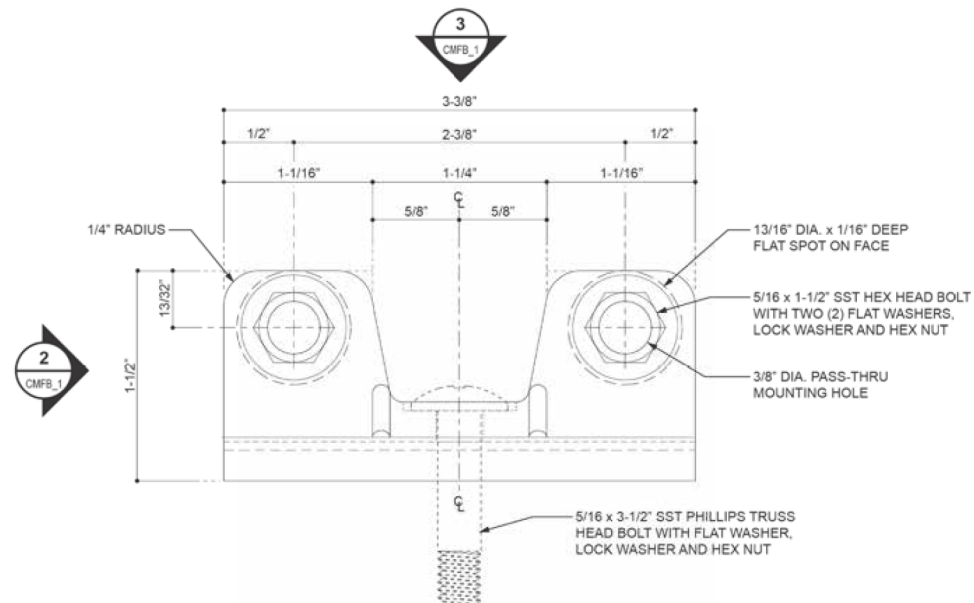
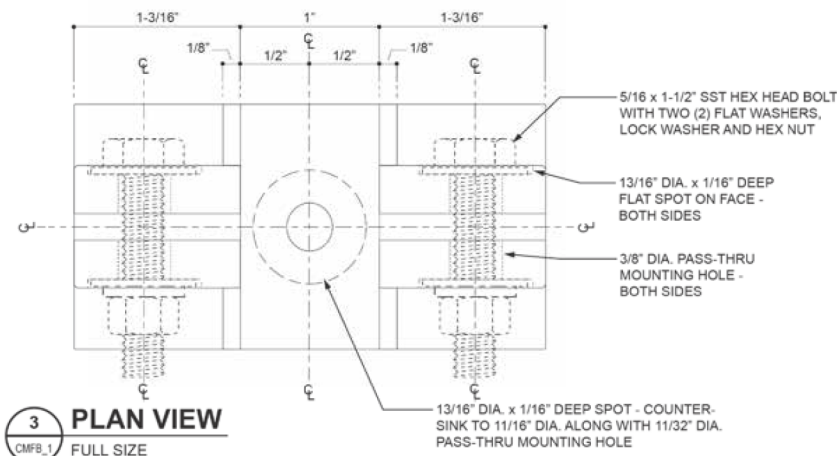


SRSP ROUND SIGN POST MOUNT DETAIL

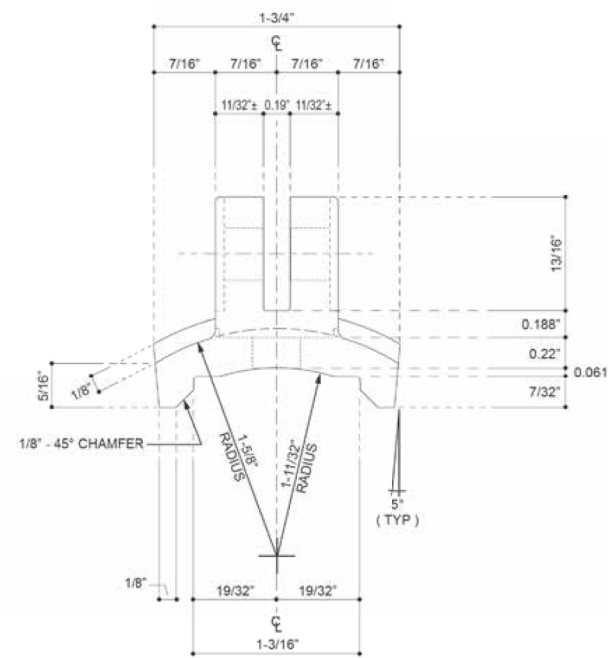
USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 1"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

ATC EAST PARKING LOT IMPROVEMENTS SIGNAGE DETAILS			
SCALE: N.T.S.	SHEET 2	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	24
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

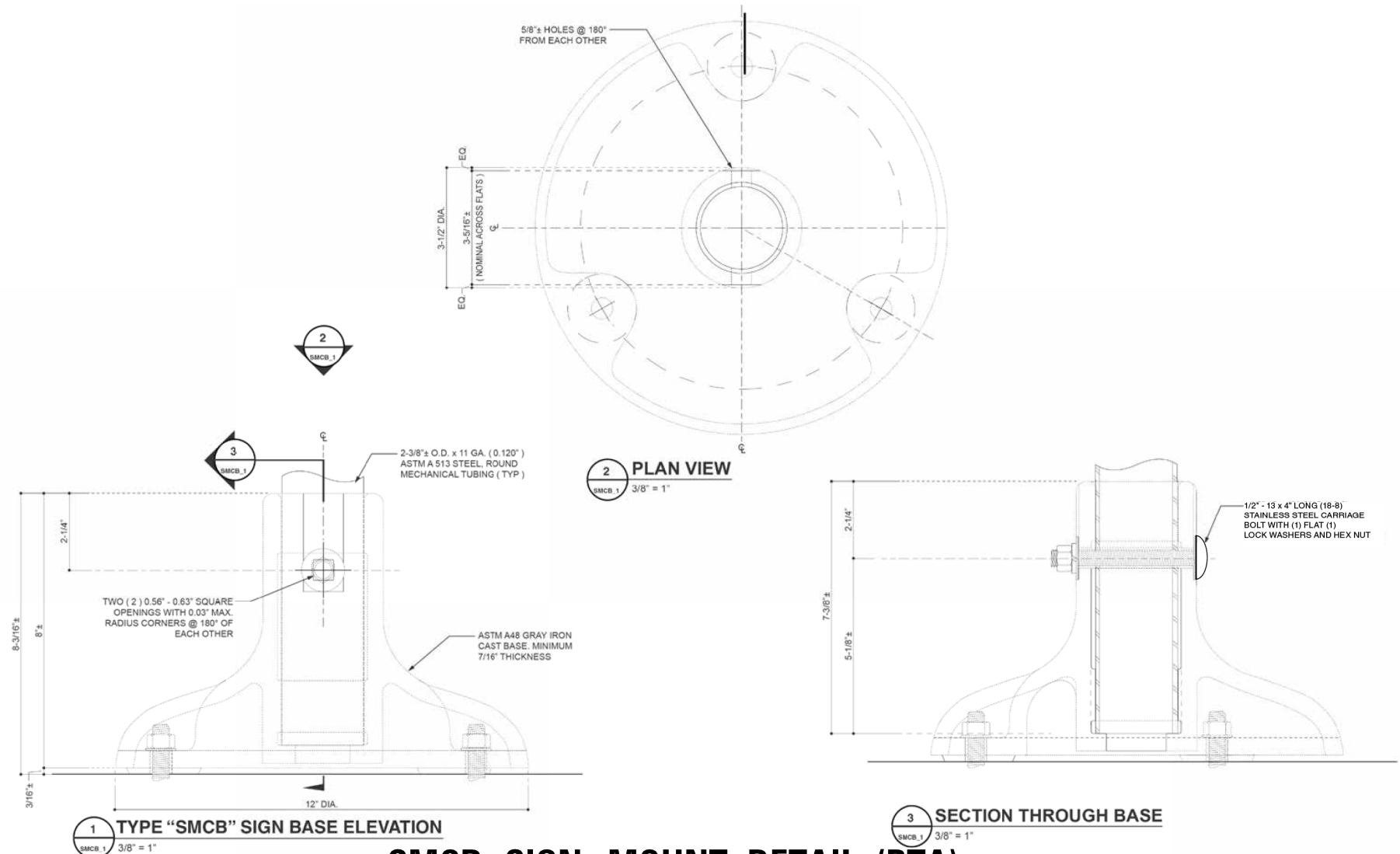


CMFSC/CMFB BRACKET DETAIL (RTA)

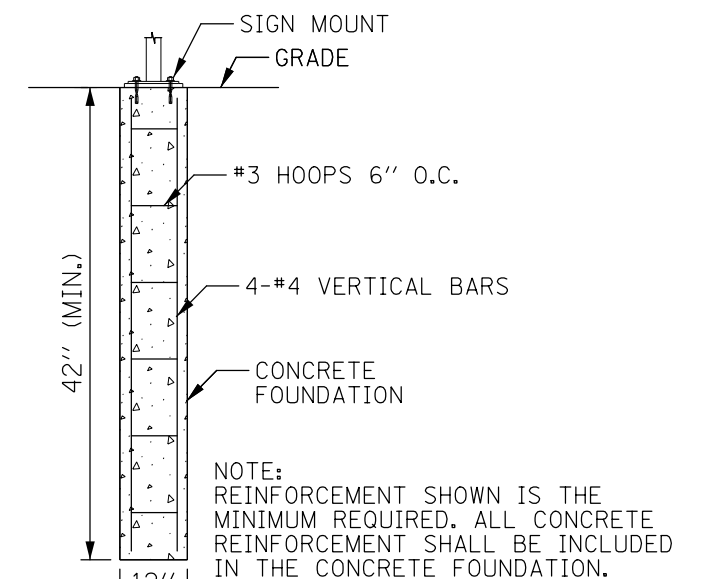


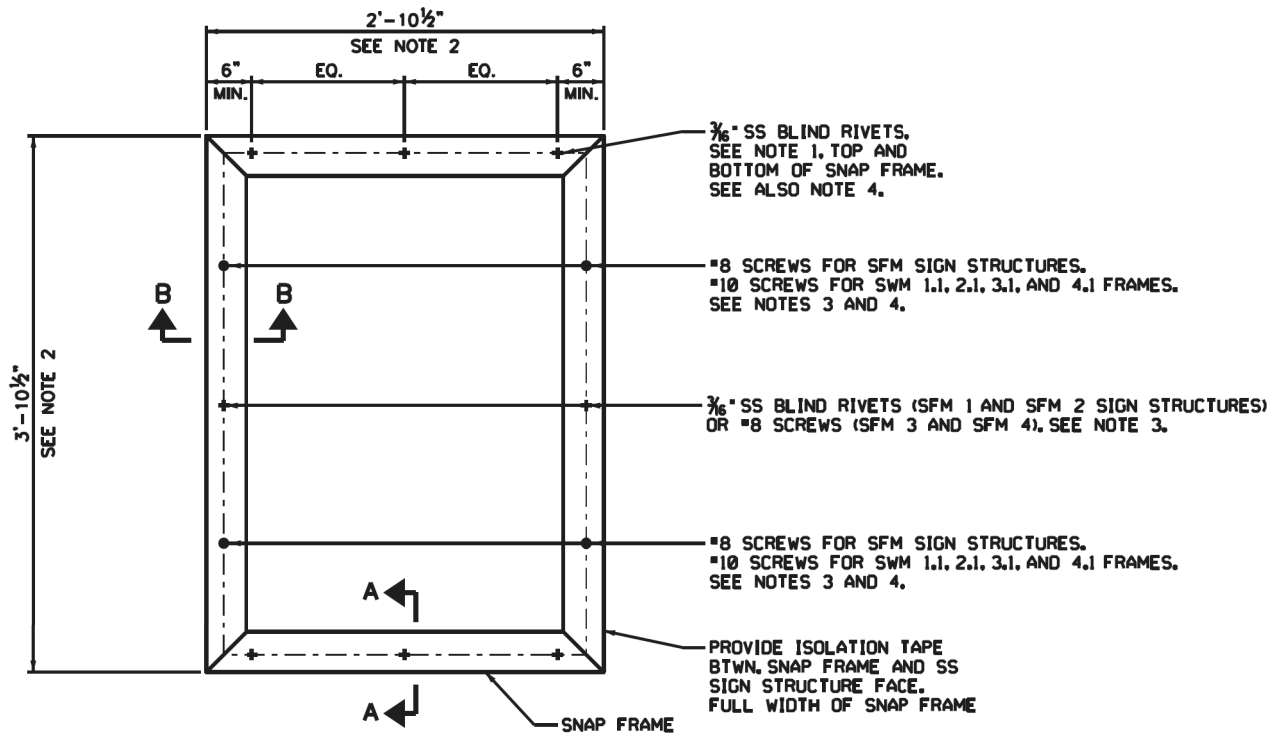
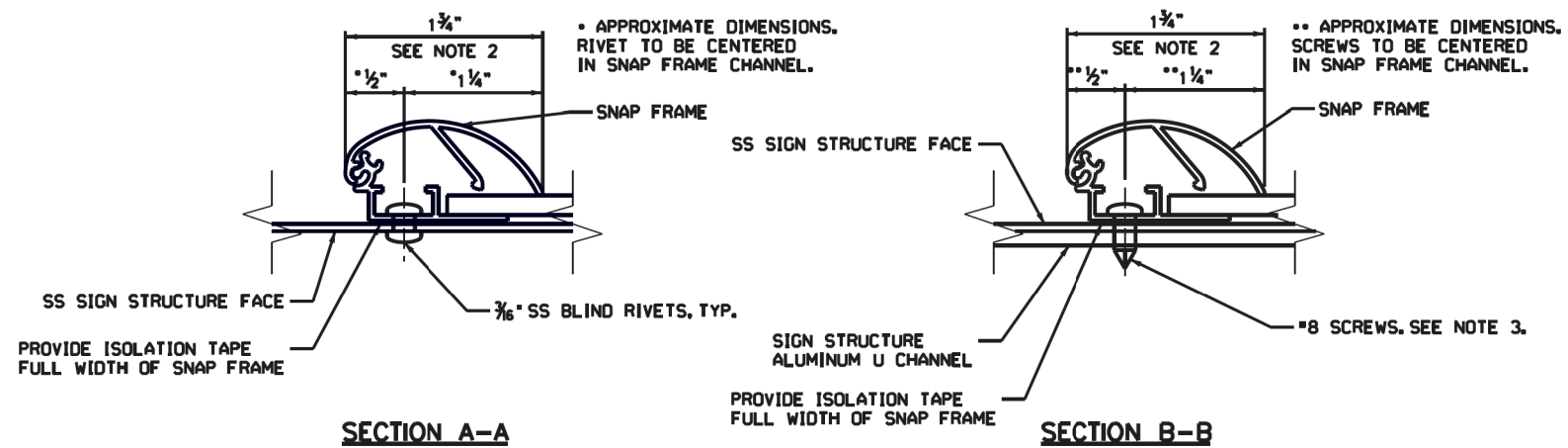
END VIEW
CMFB_1 FULL SIZE

SMCB SIGN MOUNT DETAIL (RTA)



SMCF MOUNTED STRUCTURE CONCRETE FOUNDATION DETAIL

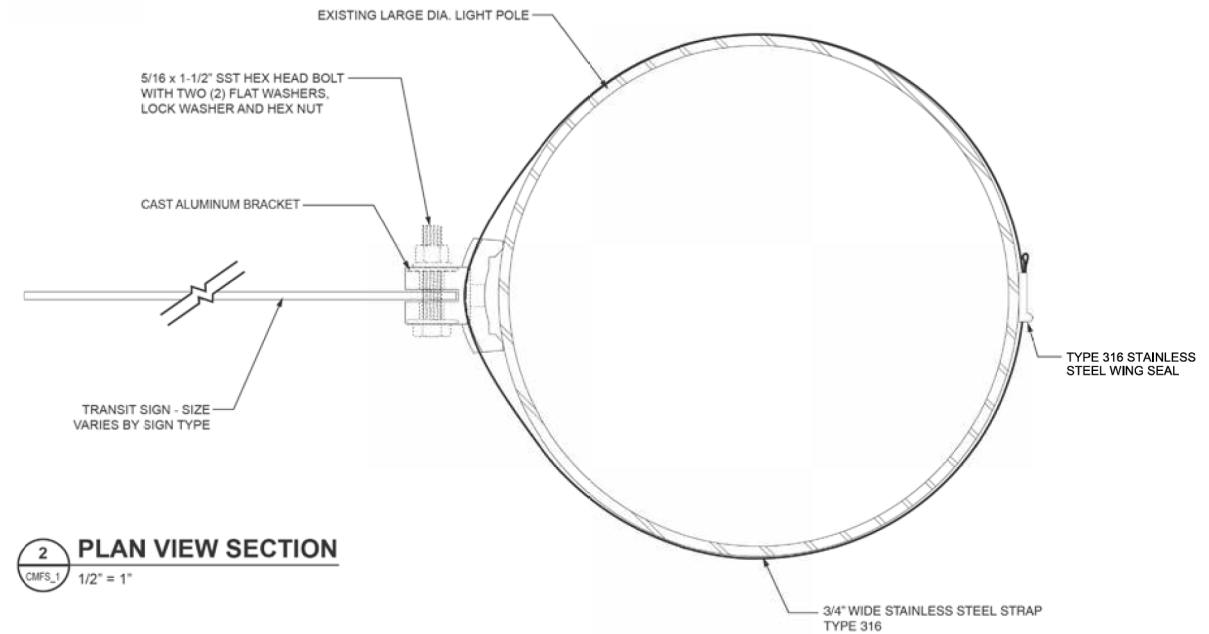




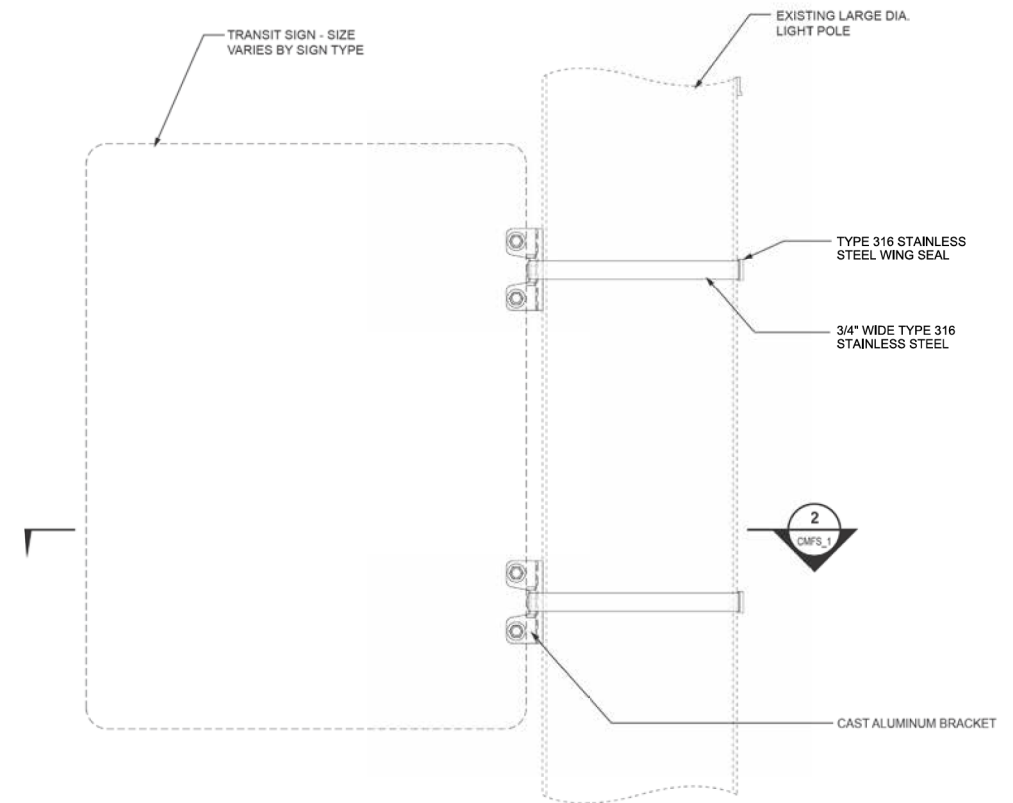
SNAP FRAME ATTACHMENT
(SNAP FRAME SHALL BE ALPINA FLIP-UP DEEP BOTTOM FF-RP 1.75")

- NOTES:**
1. LOCATE RIVETS TO MISS CORNER PLATES AND COMPONENTS OF THE SNAP FRAME.
 2. DIMENSIONS SHOWN ARE PER RTA INFORMATION DESIGN STANDARD MANUAL.
 3. COORDINATE SCREW OR RIVET LOCATIONS WITH CENTERS OF SFM AND SWM CHANNEL LEGS.
 4. FOR SWM FRAME, USE #8 S.S. SELF DRIVING SCREWS PER FACE PLATE DETAILS, IP1-058.
 5. FOR DIRECT MOUNT OF FRAME TO CONCRETE WALL, USE 3/16" DIA. S.S. HEX HEAD CONCRETE SCREWS WITH MANUFACTURER'S MINIMUM EMBEDMENT DEPTH AND 1 1/2" MINIMUM CONCRETE EDGE DISTANCE.

CWS SNAP FRAME DETAIL (RTA)

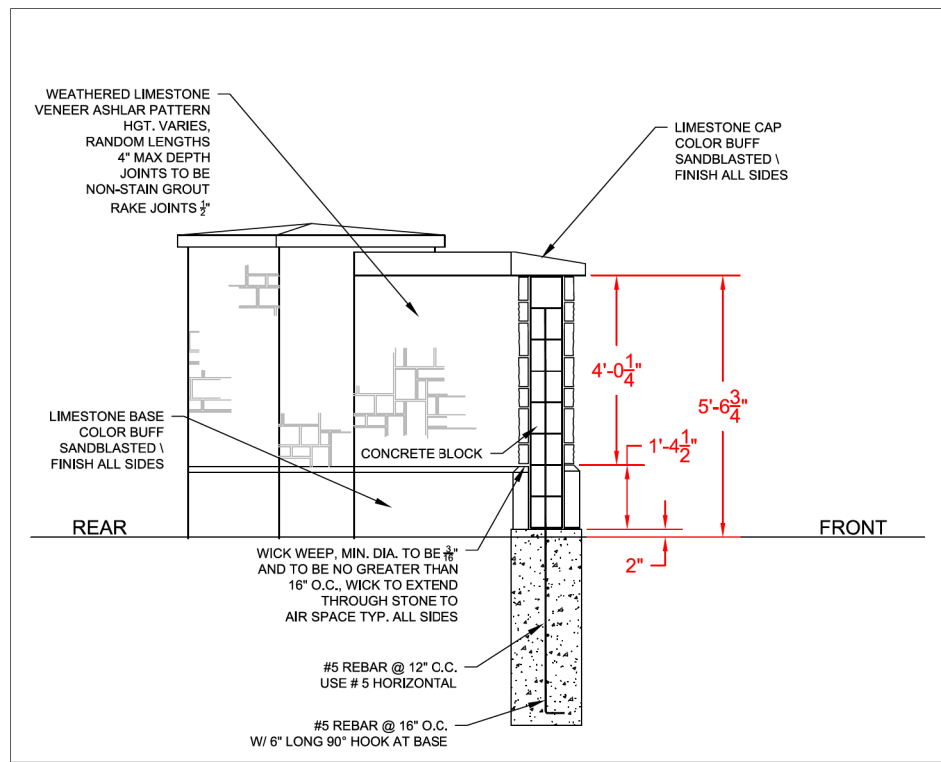


2 PLAN VIEW SECTION
CMFS_1 1/2" = 1"

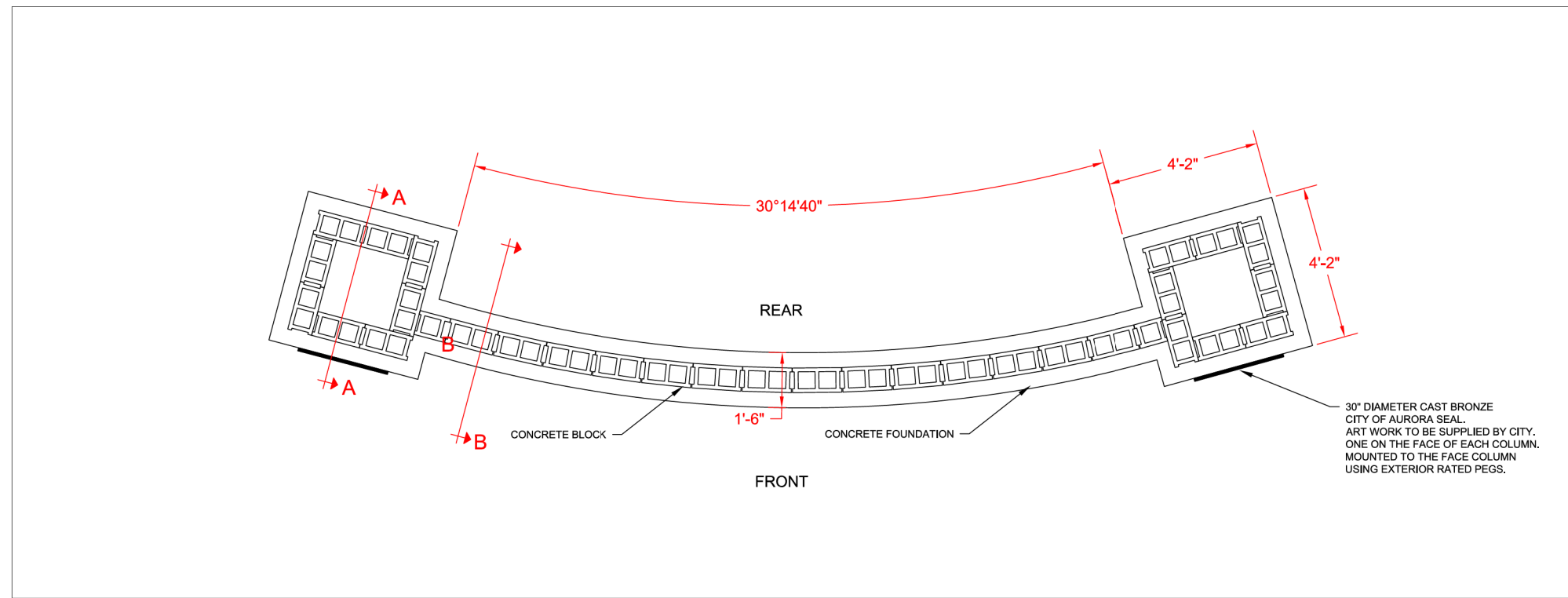


CMFS MOUNT DETAIL (RTA)

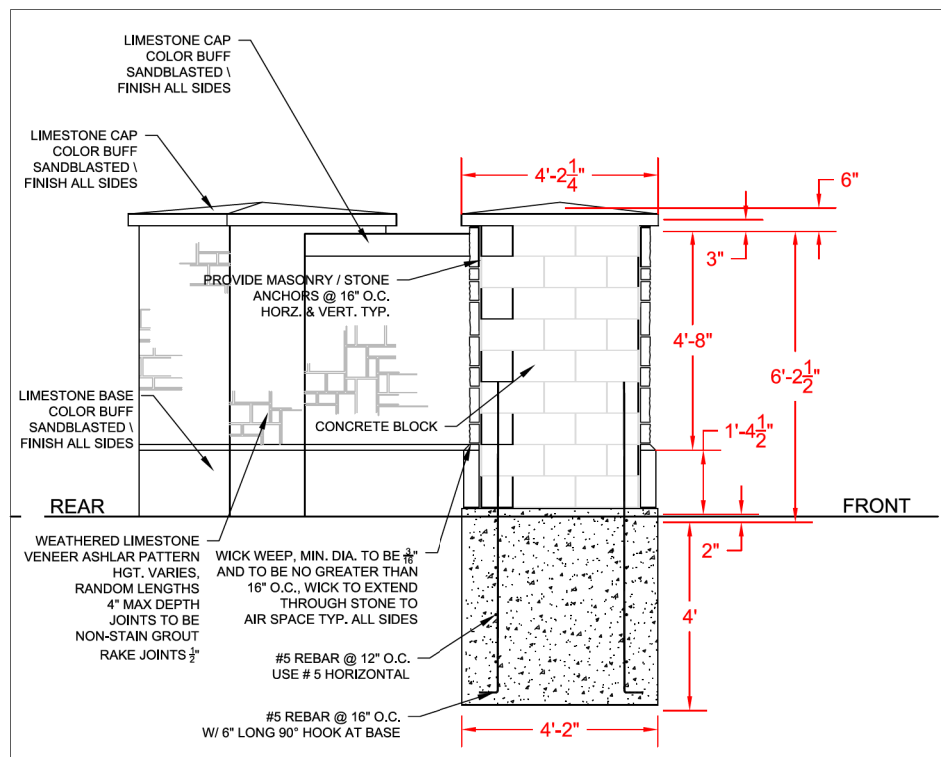
USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 1"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -



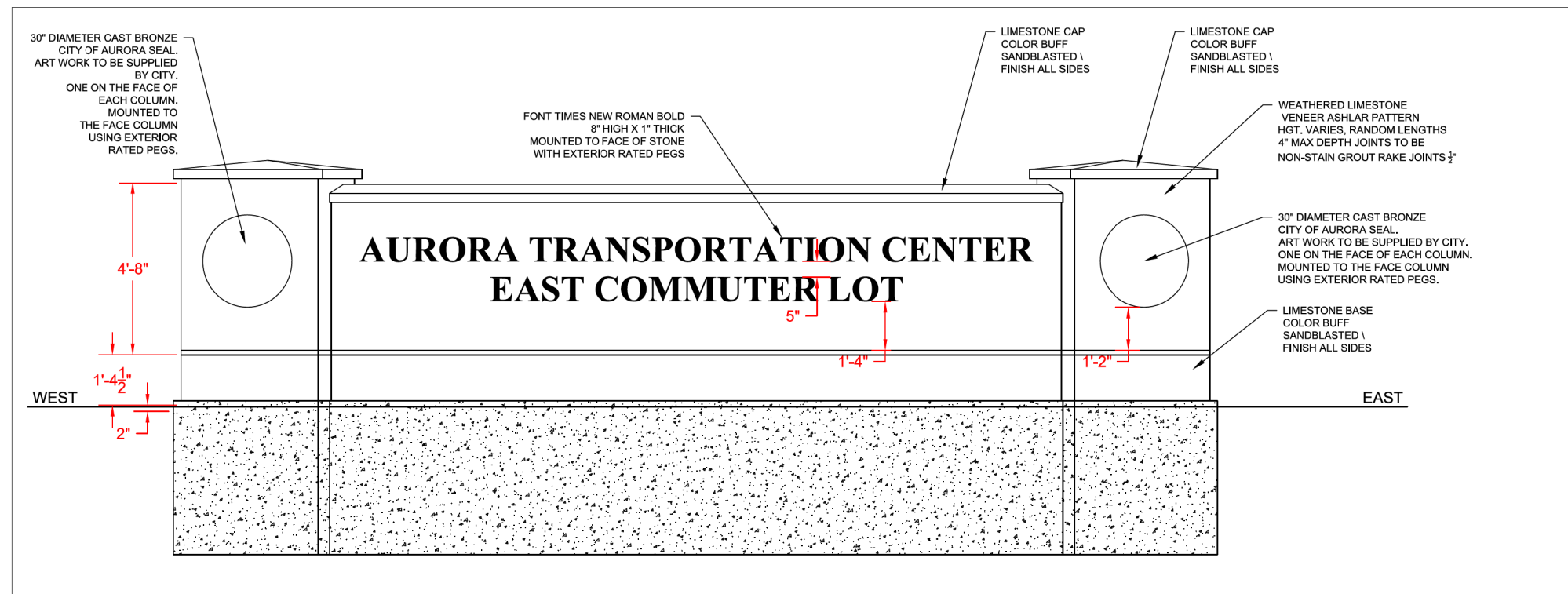
SECTION 'B' THROUGH CENTER WALL



PLAN VIEW



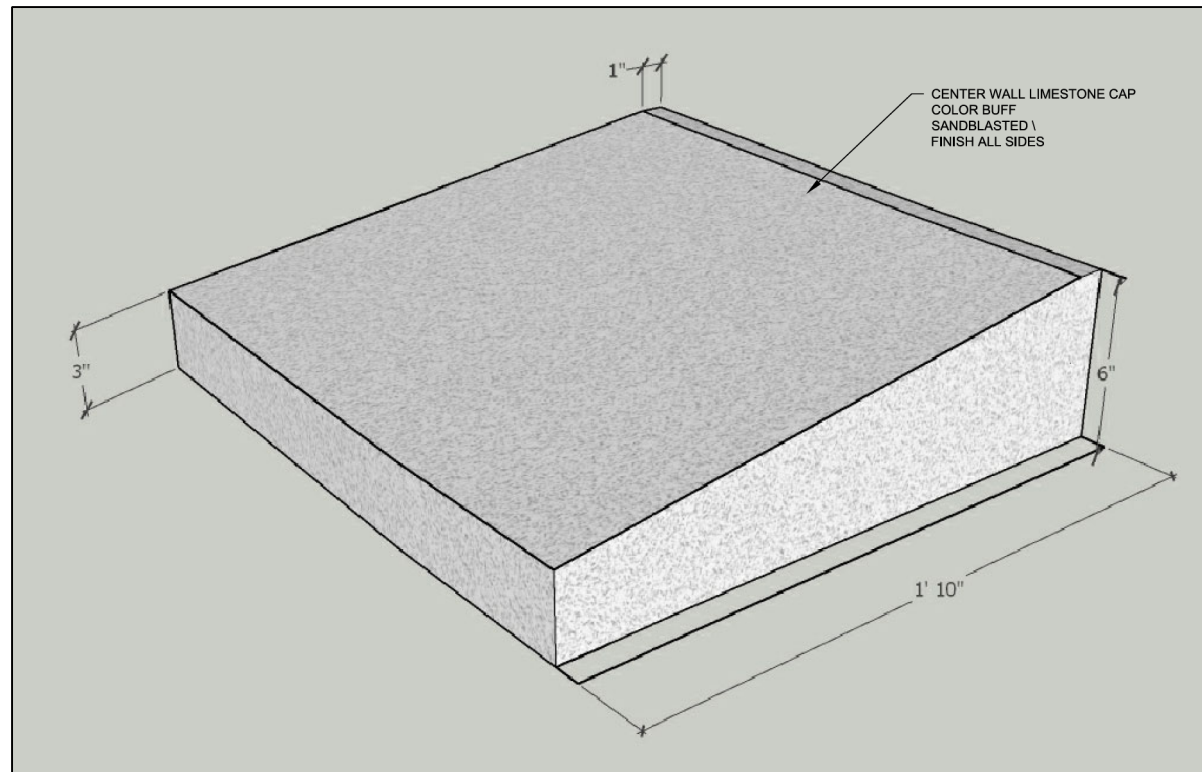
SECTION 'A' THROUGH WEST END COLUMN



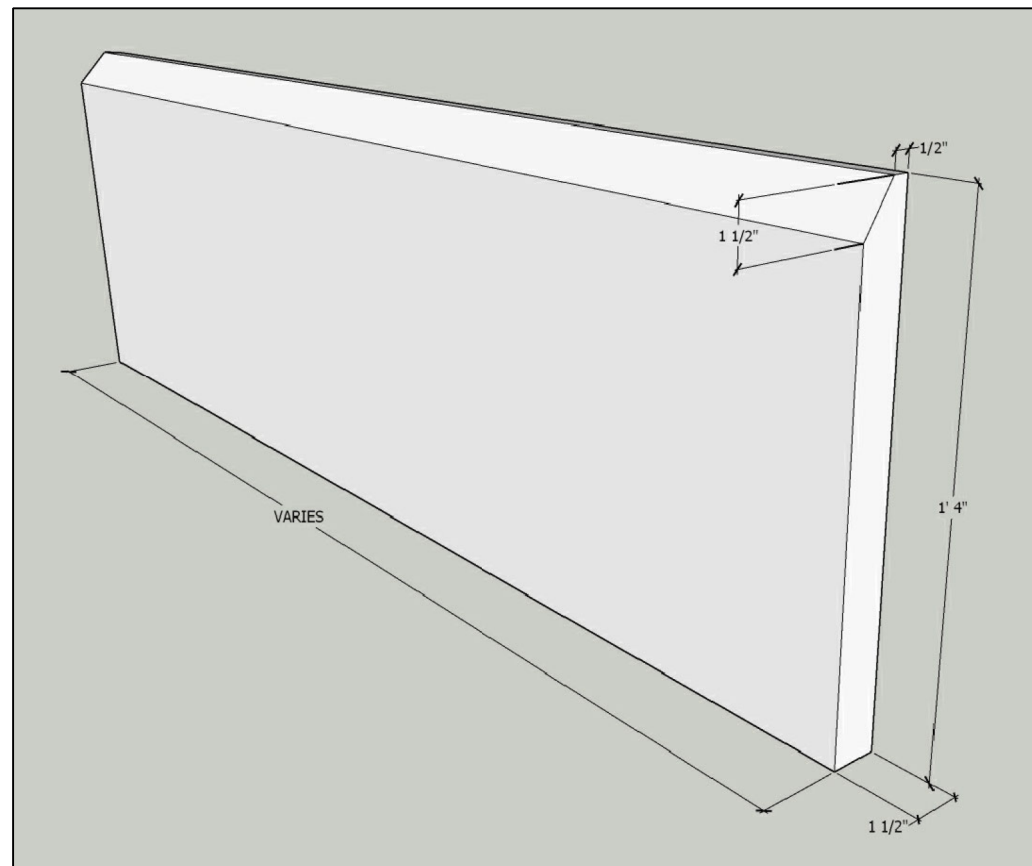
FRONT ELEVATION

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>ATC EAST PARKING LOT IMPROVEMENTS GATEWAY MONUMENT SIGN DETAILS</p>		F.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
	PLOT SCALE = 1"	DRAWN - JRS	REVISED -		SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA. TO STA.	N/A	18-00325-00-PK	KANE	48
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -	DATE = 12/1/2021				CONTRACT NO. 61H35				
							ILLINOIS FED. AID PROJECT				

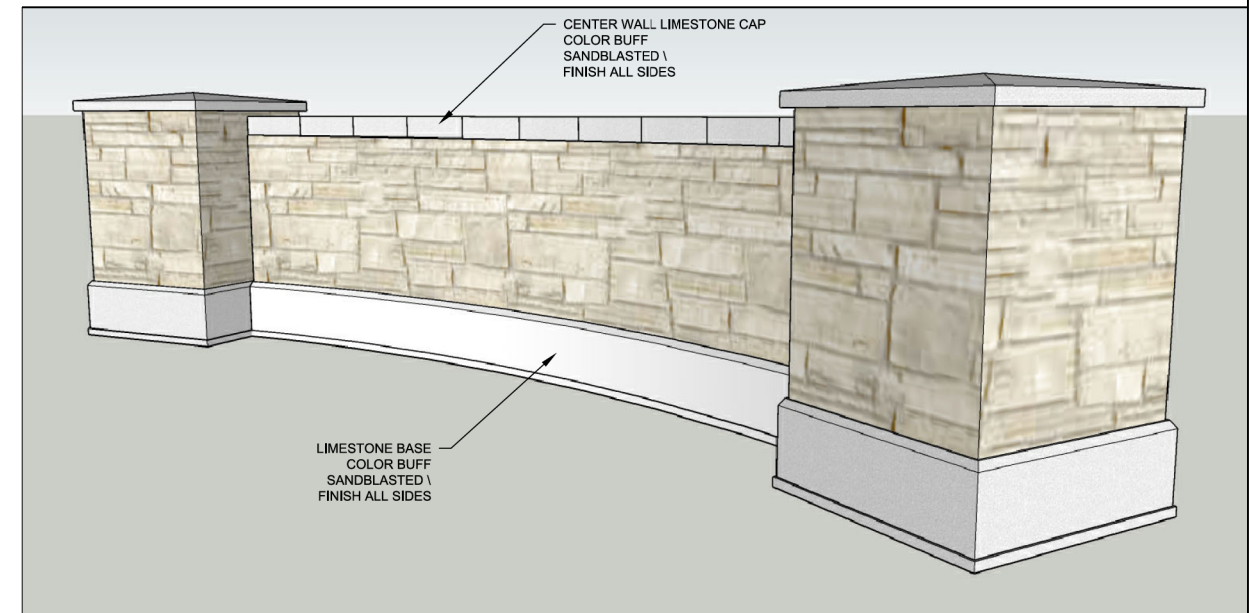
N:\Aurora\200106\Civil\SGN_05_200106.SHT



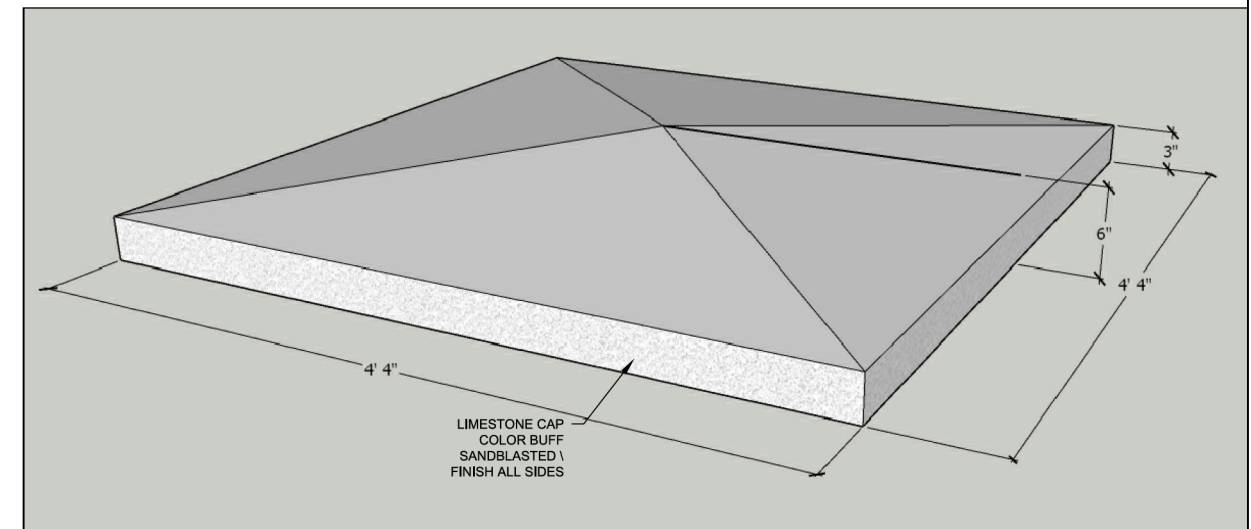
CENTER WALL CAP



LIMESTONE BASE



REAR VIEW



END COLUMN CAP

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE CITY OF AURORA BEFORE THE START OF WORK, ANY COST FOR PERMIT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
3. THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED.
4. ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL OWNER'S REPRESENTATIVE, AND STATE AND LOCAL TIPPING FEE.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
 - B. "THE NATIONAL ELECTRICAL CODE".
 - C. MUNICIPAL CODES & STANDARDS.
7. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
8. CAST A GROUND ROD INSIDE EVERY CONCRETE POLE FOUNDATION AND CONNECT TO THE POLE GROUNDING LUG VIA A #6 COPPER WIRE WITH A MECHANICAL CONNECTION AT THE GROUND ROD AND PIGTAIL SPLICE INSIDE THE POLE HANDHOLE.
9. ALL UNDERGROUND WIRING SHALL BE COPPER (OR SIZE AS SHOWN ON THE PLANS) XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, INSTALLED IN SCH 40 HDPE CONDUIT A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
10. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH LUMINAIRE ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
11. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
12. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/ WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
13. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS. ALL ELECTRICAL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND THE VILLAGE.
14. BACKFILL MATERIAL FOR TRENCHES IN THE SUBGRADE OF THE PROPOSED IMPROVEMENT, AND FOR TRENCHES OUTSIDE OF THE SUBGRADE WHERE THE INNER EDGE OF THE TRENCH IS WITHIN 2 FT OF THE EDGE OF THE PAVEMENT, CURB, GUTTER, CURB AND GUTTER, STABILIZED SHOULDER, OR SIDEWALK SHALL BE TRENCH BACKFILL.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHT AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
16. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
17. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
18. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
19. CONDUIT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND LIGHTING CONTROLLERS FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER AT THE PRECONSTRUCTION INSPECTION. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGERING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO STARTING WORK.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLERS. THE ELECTRIC SERVICE COORDINATION PERFORMED BY THE ENGINEER DURING DESIGN IS INCLUDED IN THE PLANS FOR THE CONTRACTORS INFORMATION.
22. THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER CURRENT AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS.

LIGHTING BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	1
ELECTRIC SERVICE INSTALLATION	EACH	1
• ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 1 1/2" DIA.	FOOT	145
UNDERGROUND CONDUIT,PVC, 1 1/4" DIA.	FOOT	155
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	145
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	645
HANDHOLE, COMPOSITE CONCRETE	EACH	3
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14	FOOT	1885
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3135
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	410
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	690
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	640
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	10
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	18
REMOVAL OF POLE FOUNDATION	EACH	1
• SIGN LIGHTING UNIT COMPLETE	EACH	3
• REMOVE EXISTING CABLE	FOOT	275
• MISCELLANEOUS ELECTRICAL WORK	LSUM	1
• LUMINAIRE REPLACEMENT SPECIAL	EACH	12
• LIGHTING UNIT COMPLETE, SPECIAL	EACH	18
• MODIFY EXISTING CABINET EQUIPMENT AND APPURTENANCES	EACH	1
• MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6
• SEE SPECIAL PROVISION		

ABBREVIATIONS

A	AMPS	HPS	HIGH PRESSURE SODIUM
CKT	CIRCUIT	PVC	POLYVINYL CHLORIDE
CNC	COILABLE NON-METALLIC CONDUIT	RGS	RIGID GALVANIZED STEEL CONDUIT
DIA	DIAMETER	ROW	RIGHT OF WAY
FT	FOOT	SS	STAINLESS STEEL
FOC	FACE OF CURB	STA	STATION
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	V	VOLTS
GND	GROUND	W	WATTS
HDPE	HIGH DENSITY POLYETHYLENE	WR	WEATHER RESISTANT
HH	HAND HOLE		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

USER NAME = aschaefer	DESIGNED - AJD	REVISED -	
	DRAWN - RJJ	REVISED -	
PLOT SCALE = 48"	CHECKED - AJD	REVISED -	
PLOT DATE = 12/1/2021	DATE - 12/1/2021	REVISED -	

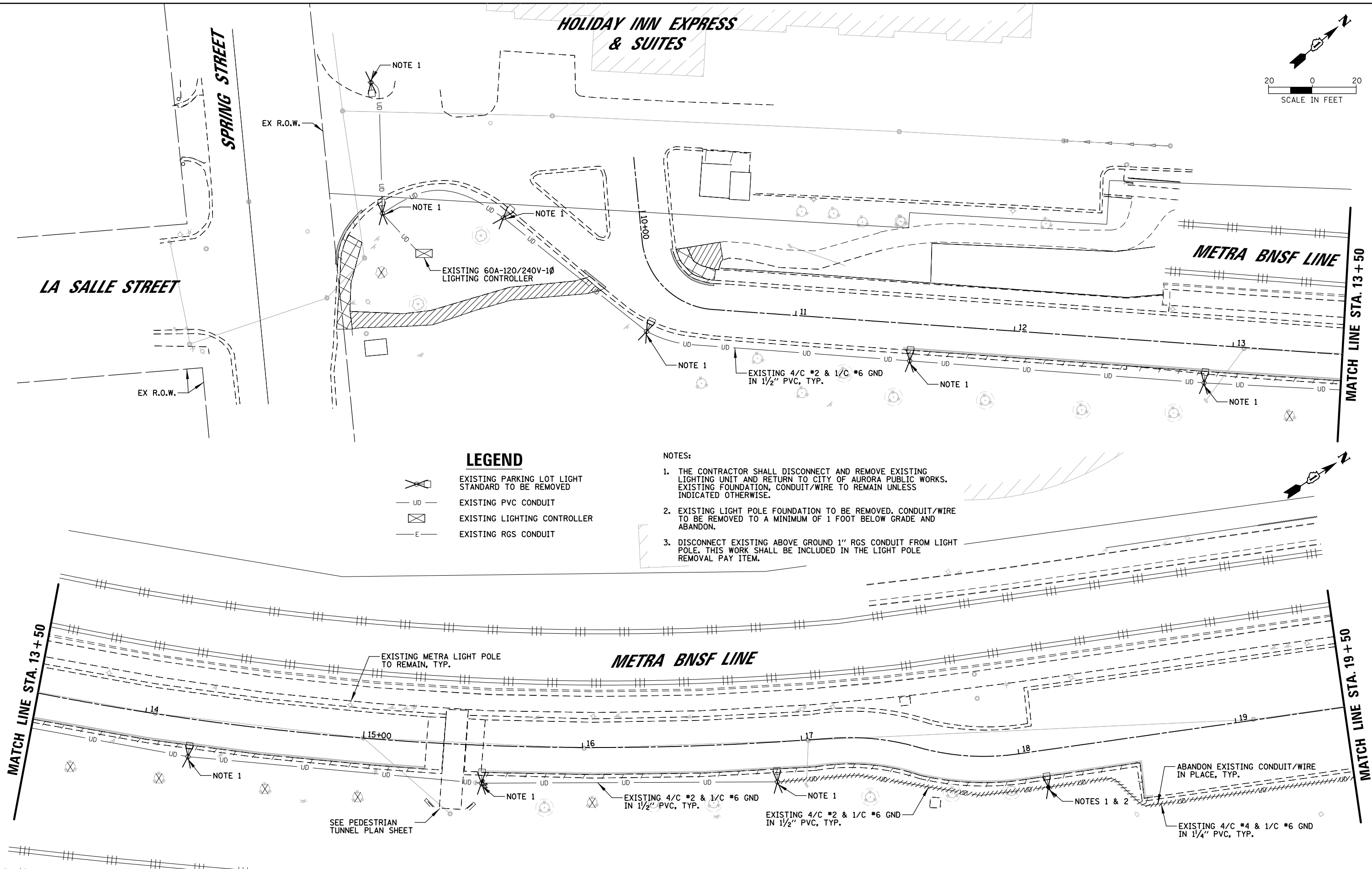
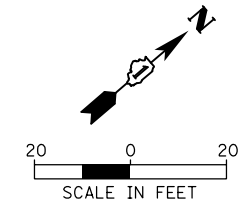
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
LIGHTING GENERAL NOTES & BILL OF MATERIALS**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	29
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

**HOLIDAY INN EXPRESS
& SUITES**



LEGEND

- EXISTING PARKING LOT LIGHT STANDARD TO BE REMOVED
- EXISTING PVC CONDUIT
- EXISTING LIGHTING CONTROLLER
- EXISTING RGS CONDUIT

NOTES:

1. THE CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHTING UNIT AND RETURN TO CITY OF AURORA PUBLIC WORKS. EXISTING FOUNDATION, CONDUIT/WIRE TO REMAIN UNLESS INDICATED OTHERWISE.
2. EXISTING LIGHT POLE FOUNDATION TO BE REMOVED. CONDUIT/WIRE TO BE REMOVED TO A MINIMUM OF 1 FOOT BELOW GRADE AND ABANDON.
3. DISCONNECT EXISTING ABOVE GROUND 1" RGS CONDUIT FROM LIGHT POLE. THIS WORK SHALL BE INCLUDED IN THE LIGHT POLE REMOVAL PAY ITEM.

MATCH LINE STA. 13 + 50

MATCH LINE STA. 19 + 50

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

USER NAME = aschoefer	DESIGNED - AJD	REVISED -
PLOT SCALE = 48"	DRAWN - RJJ	REVISED -
PLOT DATE = 12/1/2021	CHECKED - AJD	REVISED -
	DATE - 12/1/2021	REVISED -

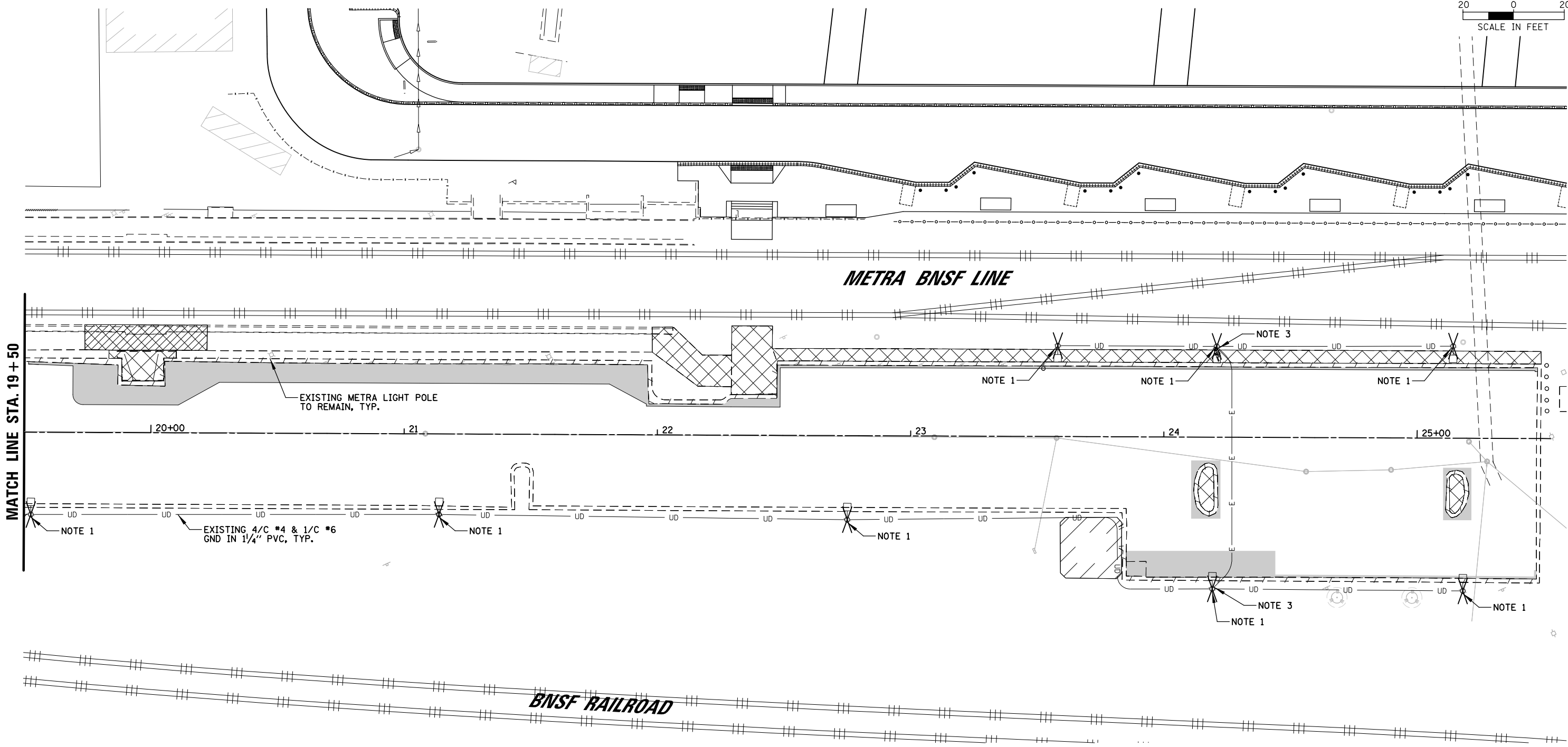
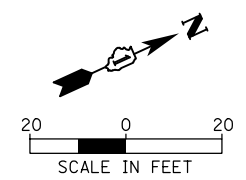
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
REMOVAL LIGHTING PLAN (1 OF 2)**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	30
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Mech\REM_200106_01.sht



LEGEND

- EXISTING PARKING LOT LIGHT STANDARD TO BE REMOVED
- EXISTING PVC CONDUIT
- EXISTING LIGHTING CONTROLLER
- EXISTING RGS CONDUIT

NOTES:

1. THE CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHTING UNIT AND RETURN TO CITY OF AURORA PUBLIC WORKS. EXISTING FOUNDATION, CONDUIT/WIRE TO REMAIN UNLESS INDICATED OTHERWISE.
2. EXISTING LIGHT POLE FOUNDATION TO BE REMOVED. CONDUIT/WIRE TO BE REMOVED TO A MINIMUM OF 1 FOOT BELOW GRADE AND ABANDON.
3. DISCONNECT EXISTING ABOVE GROUND 1" RGS CONDUIT FROM LIGHT POLE. THIS WORK SHALL BE INCLUDED IN THE LIGHT POLE REMOVAL PAY ITEM.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850

USER NAME = aschaefer	DESIGNED - AJD	REVISED -
PLOT SCALE = 48"	DRAWN - RJJ	REVISED -
PLOT DATE = 12/1/2021	CHECKED - AJD	REVISED -
	DATE - 12/1/2021	REVISED -

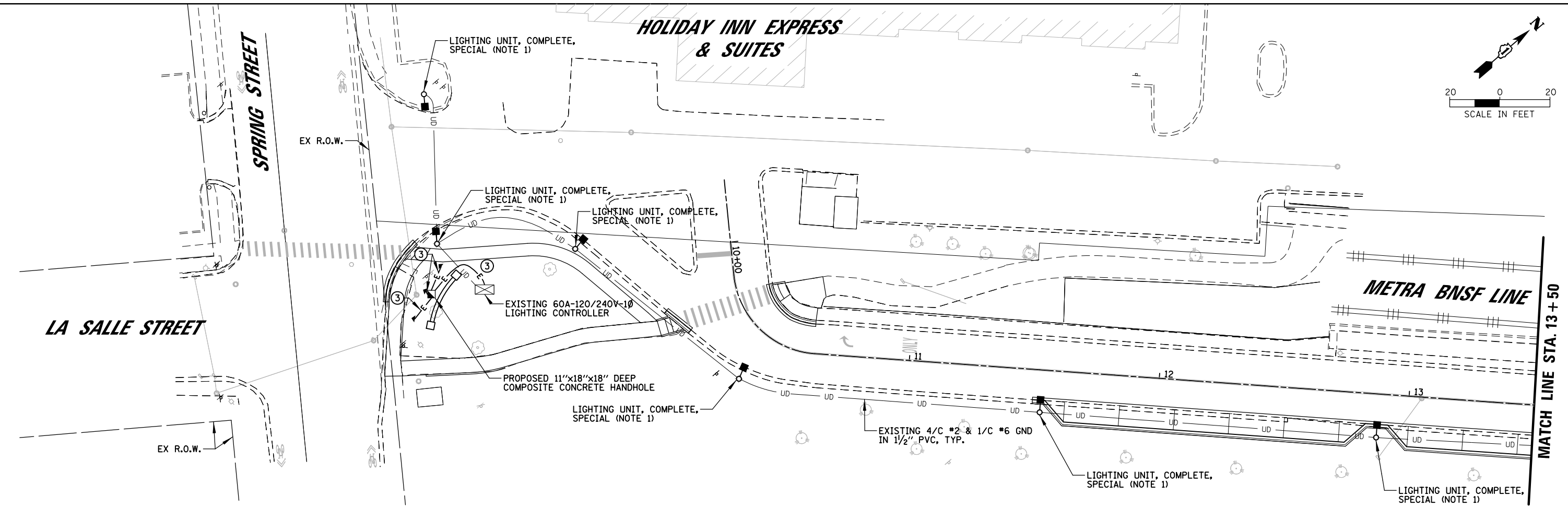
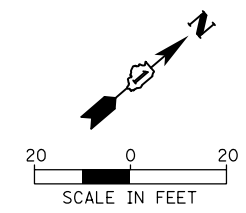
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ATC EAST PARKING LOT IMPROVEMENTS REMOVAL LIGHTING PLAN (2 OF 2)			
SCALE: 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	31
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Mech\REM_200106_02.sht

**HOLIDAY INN EXPRESS
& SUITES**



LEGEND

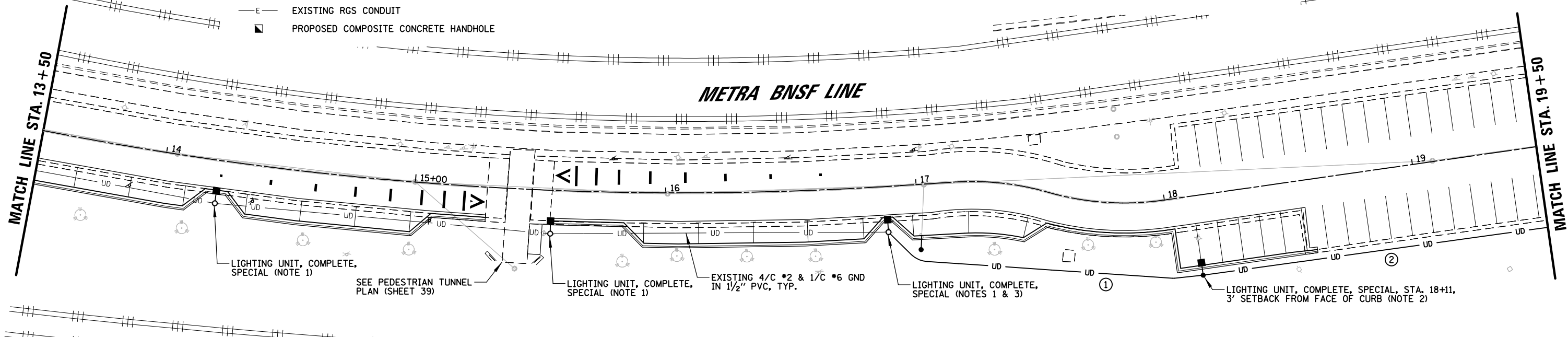
- PROPOSED PARKING LOT LIGHT STANDARD ON EXISTING LIGHT POLE FOUNDATION
- PROPOSED PARKING LOT LIGHT STANDARD ON PROPOSED LIGHT POLE FOUNDATION
- ◀ PROPOSED 20W LED ABOVE GRADE FLOOD LIGHT
- UD - PROPOSED PVC CONDUIT
- UD - EXISTING PVC CONDUIT
- E - PROPOSED RGS CONDUIT
- E - EXISTING RGS CONDUIT
- PROPOSED COMPOSITE CONCRETE HANDHOLE

CONDUCTOR /CONDUIT SCHEDULE

- ① 4/C #2 AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" PVC CONDUIT
- ② 4/C #4 AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/4" PVC CONDUIT
- ③ 1/C #10, 1/C #10 NEUTRAL AND 1/C #10 GND XLP-TYPE USE CABLES IN 1/2" RGS CONDUIT

NOTES:

1. CONTRACTOR SHALL INSTALL PROPOSED LIGHT POLE ON EXISTING FOUNDATION AND CONNECT PROPOSED LUMINAIRE TO SAME CIRCUIT AS EXISTING.
2. CONTRACTOR SHALL INSTALL PROPOSED LIGHT POLE ON NEW FOUNDATION AND CONNECT PROPOSED LUMINAIRE TO SAME CIRCUIT AS EXISTING.
3. ROUTE CONDUIT AND CONDUCTORS INTO EXISTING FOUNDATION AND RECONNECT TO EXISTING CIRCUITS.
4. DRILL PROPOSED LIGHT POLE AND RECONNECT EXISTING 1" RGS CONDUIT. RECONNECT EXISTING CIRCUITS SAME AS EXISTING. THIS WORK SHALL BE INCLUDED IN THE LIGHT POLE PAY ITEM.



CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

USER NAME = aschaefer	DESIGNED - AJD	REVISED -
PLOT SCALE = 48'	DRAWN - RJJ	REVISED -
PLOT DATE = 12/1/2021	CHECKED - AJD	REVISED -
	DATE - 12/1/2021	REVISED -

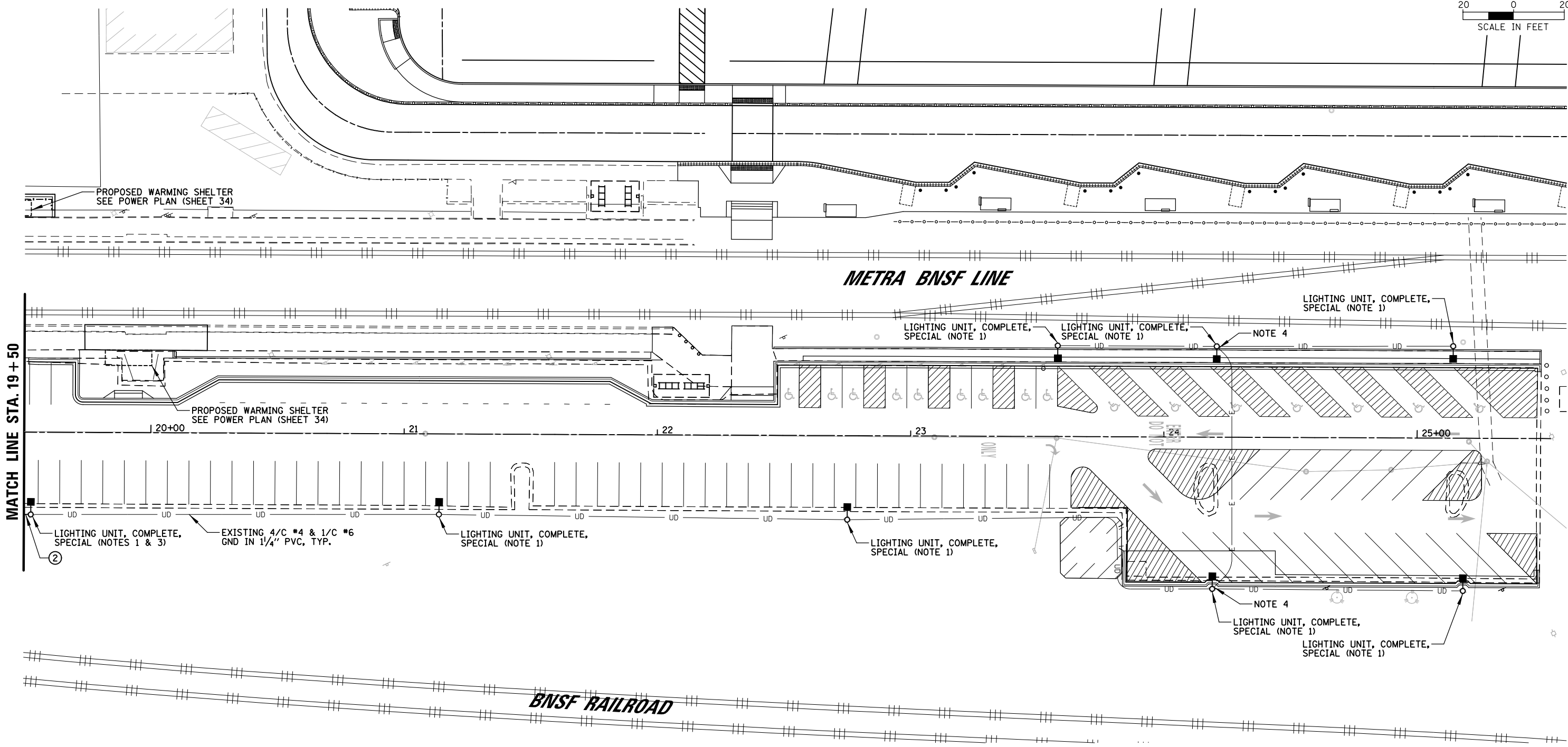
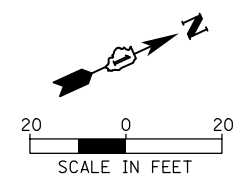
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
PROPOSED LIGHTING PLAN (1 OF 2)**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	32
				CONTRACT NO. 61H35
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Mech\LG.T_200106_01.sht



MATCH LINE STA. 19 + 50

LEGEND

- PROPOSED PARKING LOT LIGHT STANDARD ON EXISTING LIGHT POLE FOUNDATION
- PROPOSED PARKING LOT LIGHT STANDARD ON PROPOSED LIGHT POLE FOUNDATION
- ◀ PROPOSED 20W LED ABOVE GRADE FLOOD LIGHT
- UD— PROPOSED PVC CONDUIT
- UD— EXISTING PVC CONDUIT
- E— PROPOSED RGS CONDUIT
- E— EXISTING RGS CONDUIT
- PROPOSED COMPOSITE CONCRETE HANDHOLE

CONDUCTOR / CONDUIT SCHEDULE

- ① 4/C #2 AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" PVC CONDUIT
- ② 4/C #4 AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/4" PVC CONDUIT
- ③ 1/C #10, 1/C #10 NEUTRAL AND 1/C #10 GND XLP-TYPE USE CABLES IN 1/2" RGS CONDUIT

NOTES:

1. CONTRACTOR SHALL INSTALL PROPOSED LIGHT POLE ON EXISTING FOUNDATION AND CONNECT PROPOSED LUMINAIRE TO SAME CIRCUIT AS EXISTING.
2. CONTRACTOR SHALL INSTALL PROPOSED LIGHT POLE ON NEW FOUNDATION AND CONNECT PROPOSED LUMINAIRE TO SAME CIRCUIT AS EXISTING.
3. ROUTE CONDUIT AND CONDUCTORS INTO EXISTING FOUNDATION AND RECONNECT TO EXISTING CIRCUITS.
4. DRILL PROPOSED LIGHT POLE AND RECONNECT EXISTING 1" RGS CONDUIT. RECONNECT EXISTING CIRCUITS SAME AS EXISTING. THIS WORK SHALL BE INCLUDED IN THE LIGHT POLE PAY ITEM.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850

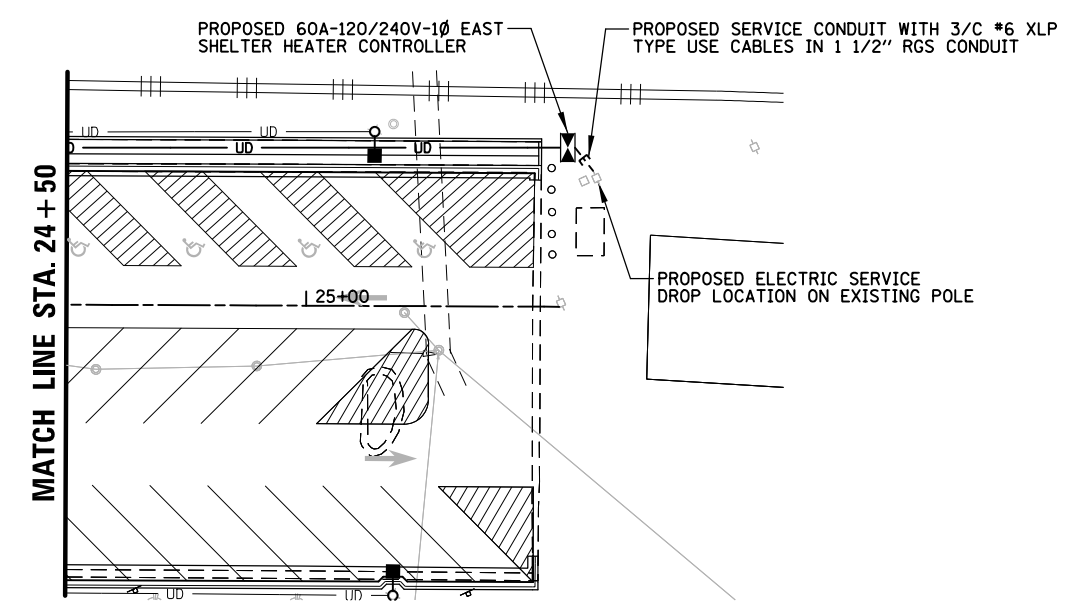
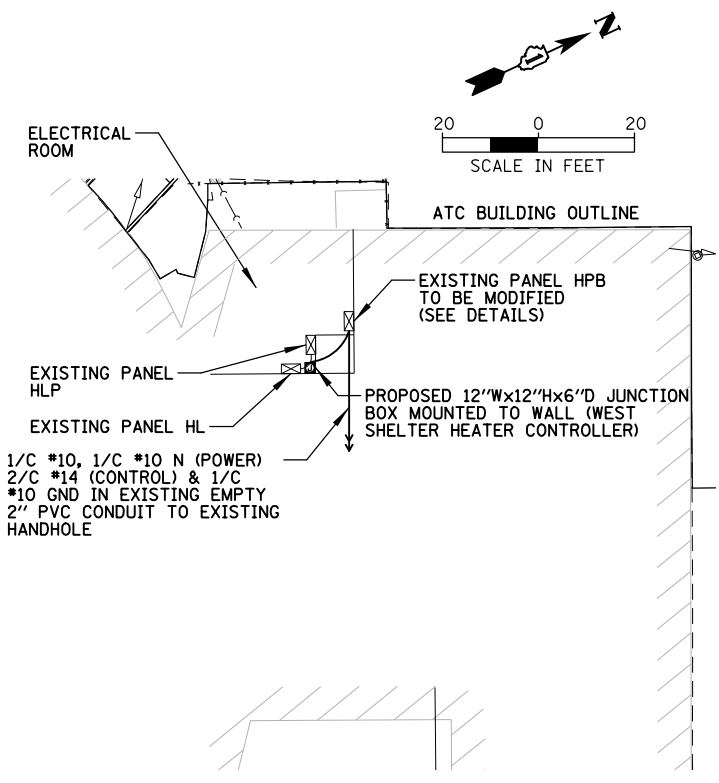
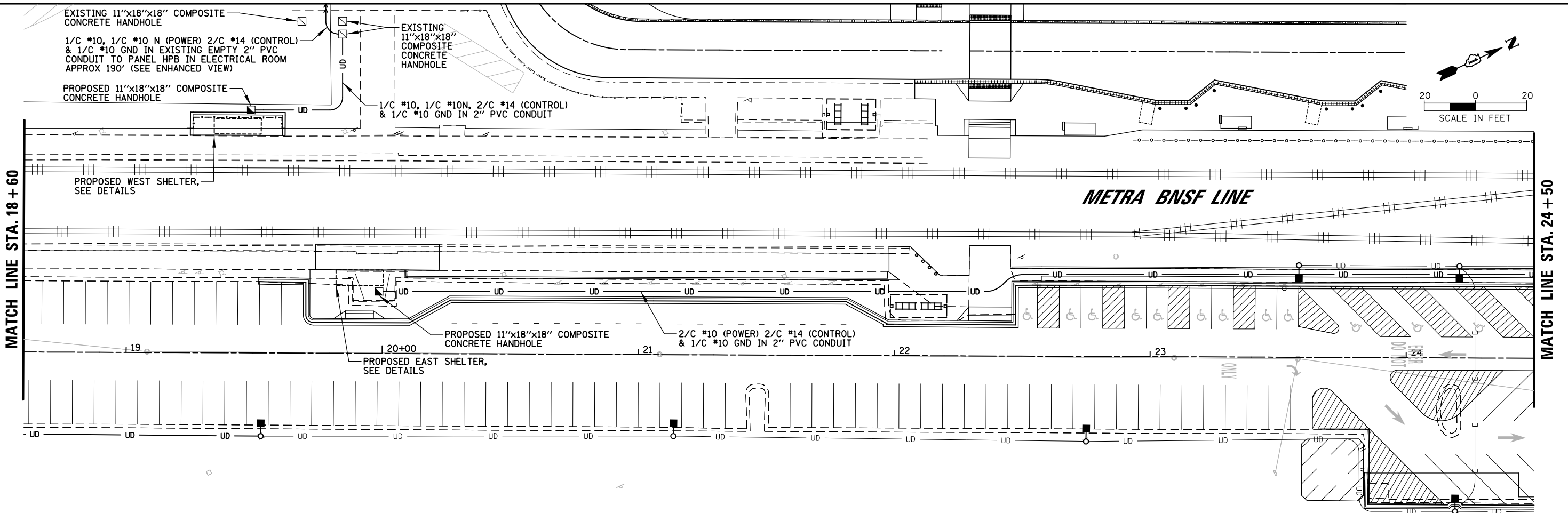
USER NAME = aschaefer	DESIGNED - AJD	REVISED -
PLOT SCALE = 48"	DRAWN - RJJ	REVISED -
PLOT DATE = 12/1/2021	CHECKED - AJD	REVISED -
	DATE - 12/1/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ATC EAST PARKING LOT IMPROVEMENTS PROPOSED LIGHTING PLAN (2 OF 2)			
SCALE: 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	33
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

N:\Aurora\200106\Mech\LGT_200106_02.sht



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850

USER NAME = aschaefer	DESIGNED - AJD	REVISED -
PLOT SCALE = 48"	DRAWN - RJJ	REVISED -
PLOT DATE = 12/1/2021	CHECKED - AJD	REVISED -
	DATE - 12/1/2021	REVISED -

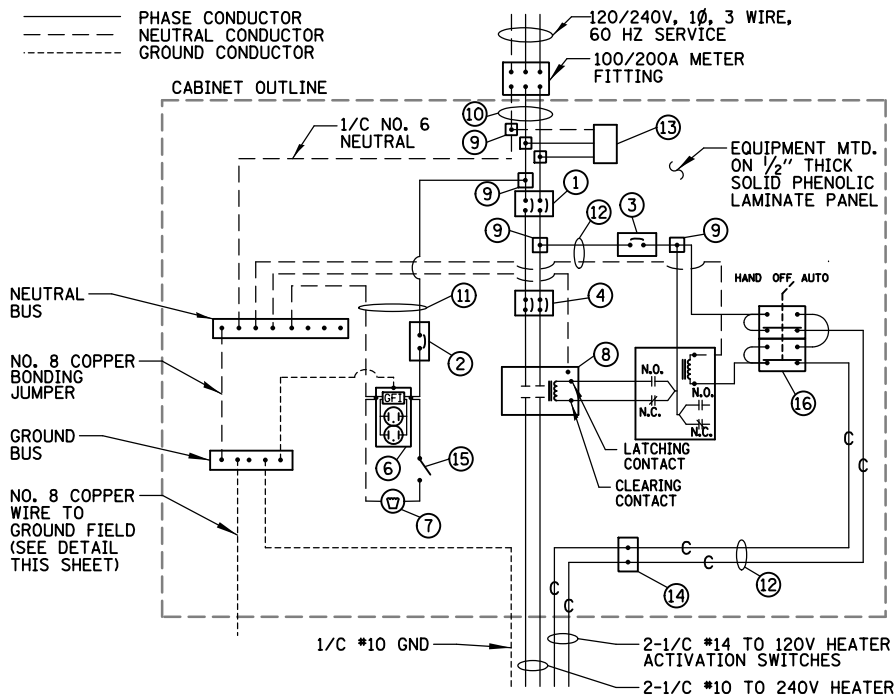
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ATC EAST PARKING LOT IMPROVEMENTS PROPOSED POWER PLAN (1 OF 1)			
SCALE: 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	34
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

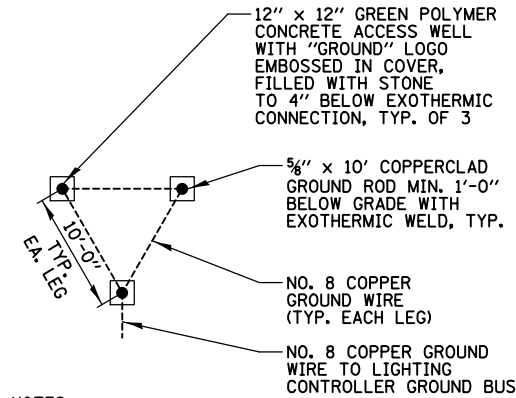
N:\Aurora\200106\Mech\PIR_200106_01.sht

ITEM	SPECIFICATION
① MAIN CIRCUIT BREAKER	60 AMPERE, 2P, 240V SERVICE RATING, 10KAIC
② LAMPHOLDER CIRCUIT BREAKER	20 AMPERE, 1P, 120V RATING, 10KAIC
③ CONTROL CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING, 10KAIC
④ CONTACTOR CIRCUIT BREAKER	30 AMPERE, 2P, 120V RATING, 10KAIC
⑤ TIME DELAY RELAY	15 AMPERE, 120 V OPERATED, ELECTRONIC, TIME DELAY OFF, 0.1-10 MIN ADJUSTABLE, DPDT, 2 NO & 2 NC CONTACTS, PLUG-IN FINGER SAFE SOCKET, PANEL MOUNTED
⑥ CABINET RECEPTACLE AND BOX	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF CAST ALUMINUM SINGLE GANG BOX WITH WEATHERPROOF COVER
⑦ CABINET LIGHT	5 WATT LED STRIP LIGHT, 60K HOUR RATING, 65K COLOR TEMPERATURE, DOOR SWITCH CONTROLLED, FASTENED TO TOP OF CABINET
⑧ CONTACTOR	30 AMPERE, 2P, 120V COIL, MECHANICALLY HELD
⑨ POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQ'D, 10KAIC
⑩ SERVICE CABLES	3-600V (XLP-TYPE USE) NO. #6
⑪ LAMPHOLDER WIRE	2-600V XLP NO. 12
⑫ CONTROL WIRE	2-600V XLP NO. 12
⑬ SURGE ARRESTOR	10 K AMPERE RATING
⑭ TERMINAL BLOCK	2 TERMINAL, SCREW TYPE, MAX. #10 WIRE SIZE
⑮ DOOR SWITCH	20A/120V, DOOR MTD SNAP ACTION PLUNGER
⑯ HAND-AUTO-OFF CONTROL SWITCH	20A, 3 POS. MTD IN CAST ALUM. ENCLOSURE

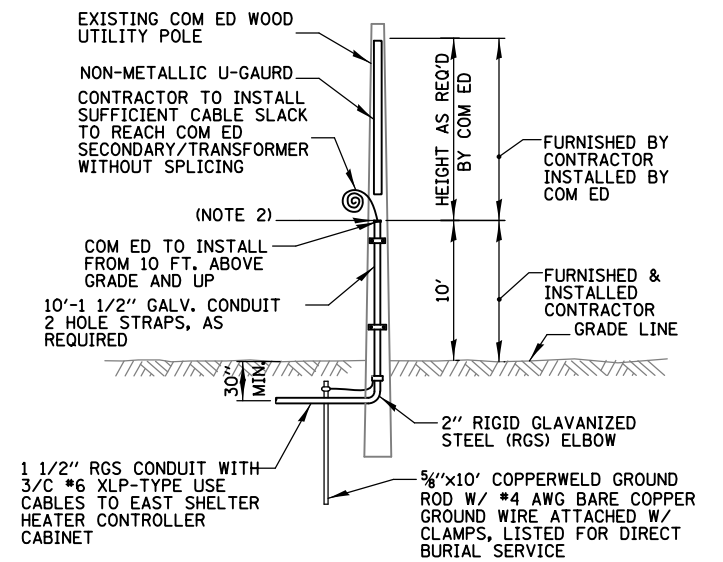


- NOTES:
1. ALL ITEMS SHOWN ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP" INCLUDING CABINET AND FOUNDATION. UNDERGROUND CONDUIT AND WIRING PAID FOR SEPARATELY.
 2. THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.
 3. CONNECTION OF SURGE ARRESTOR TO LINE SIDE OF MAIN CIRCUIT BREAKER SHALL NOT BE "DOUBLE LUGGED."
 4. THE MAIN CIRCUIT BREAKER SHALL BE LABELED "SERVICE DISCONNECT".
 5. ALL SWITCHES AND CONTROLS SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAMEPLATES.
 6. THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.
 7. ALL EXPOSED BUS BARS SHALL BE INSULATED, AND ALL WIRING SHALL BE COPPER.
 8. ALL GROUND CONDUCTORS SHALL BE GREEN AND NEUTRAL CONDUCTORS SHALL BE WHITE. PHASE CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH SECTION 1066.02 OF THE STANDARD SPECIFICATIONS. CONTRACTOR SHALL ONLY USE SOLID COLOR CODED INSULATIONS. COLOR STRIPPING OF PHASE CONDUCTORS SHALL NOT BE ALLOWED.

EAST SHELTER HEATER CONTROLLER COMPONENT SCHEDULE AND WIRING DIAGRAM



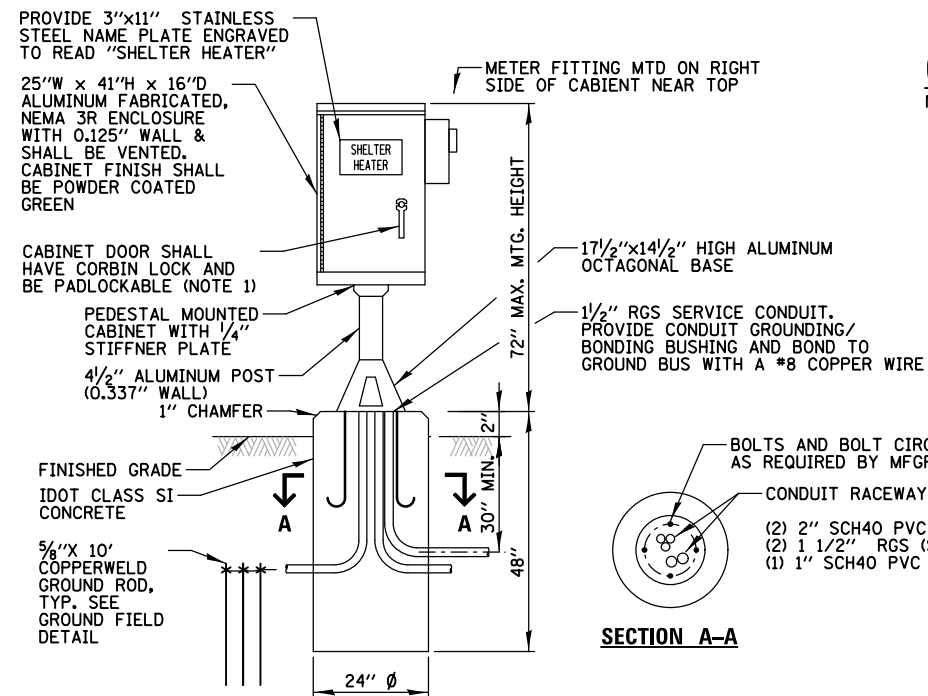
- NOTES:
1. ITEMS SHOWN ABOVE SHALL BE INCLUDED IN THE LIGHTING CONTROLLER PAY ITEM.
- ### GROUND FIELD DETAIL (TYP.)
- N.T.S.



- NOTES:
1. ALL WORK SHALL CONFORM TO COM ED'S BOOK OF "INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRIC SERVICE."
 2. CONTRACTOR SHALL PROVIDE CONDUIT BUSHING AND SEALING COMPOUND AT TOP OF RISER.
 3. ALL MATERIAL ABOVE (EXCEPT FOR POLE) SHALL BE INCLUDED IN THE PRICE BID FOR "ELECTRIC SERVICE INSTALLATION". THE HORIZONTAL SERVICE CONDUIT AND WIRING FROM POLE TO CONTROLLER SHALL BE PAID FOR SEPARATELY.

COM ED OVERHEAD CONNECTION POLE

N.T.S.

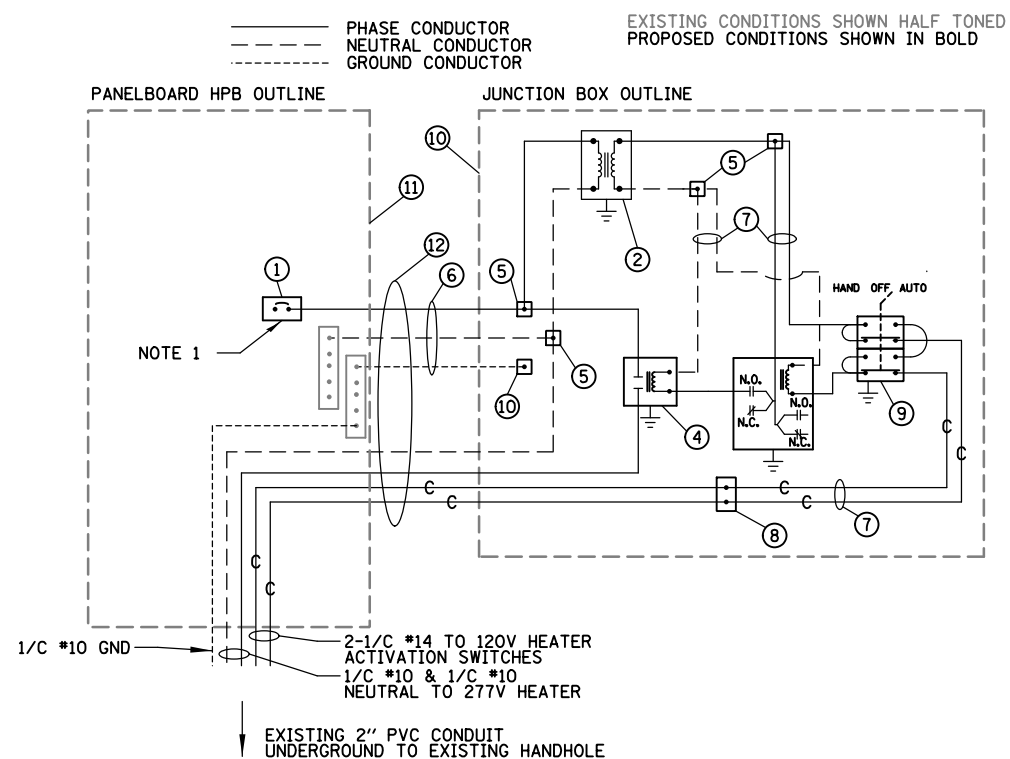


- NOTES:
1. ALL ITEMS SHOWN ABOVE INCLUDING CABINET, CONCRETE FOUNDATION SHALL BE INCLUDED IN THE LIGHTING CONTROLLER PAY ITEM, EXCEPT FOR THE HORIZONTAL PORTION OF SERVICE CONDUIT & WIRE WHICH SHALL BE PAID SEPARATELY.
 2. A 30 inch wide x 24 inch deep x 5 inch thick concrete work pad shall be provided in front of the cabinet. TOP OF PAD SHALL BE 1 inch ABOVE GRADE AND HAVE A 3/4 inch CHAMFER ALL AROUND.
 3. ALL EXTERIOR CABINET HARDWARE SHALL BE STAINLESS STEEL.

EAST SHELTER HEATER CONTROLLER CABINET AND FOUNDATION

N.T.S.

ITEM	SPECIFICATION
① HEATER CIRCUIT BREAKER	20 AMPERE, 1P, 277V RATING, 65KAIC
② CONTROL TRANSFORMER	50VA, 277V TO 120V, 1P, OPEN TYPE, WITH INTEGRAL PRIMARY AND SECONDARY FUSING
③ TIME DELAY RELAY	15 AMPERE, 120 V OPERATED, ELECTRONIC, TIME DELAY OFF, 0.1-10 MIN ADJUSTABLE, DPDT, 2 NO & 2 NC CONTACTS, PLUG-IN FINGER SAFE SOCKET, PANEL MOUNTED
④ POWER RELAY	30 AMPERE, 1P, 120V COIL, ELECTRICALLY HELD
⑤ POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQ'D, 65KAIC
⑥ FEEDER CABLES	3-600V (XLP-TYPE USE) NO. #10
⑦ CONTROL WIRE	2-600V XLP NO. 14
⑧ TERMINAL BLOCK	2 TERMINAL, SCREW TYPE, MAX. #10 WIRE SIZE
⑨ HAND-AUTO-OFF CONTROL SWITCH	20A, 3 POS. MTD IN CAST ALUM. ENCLOSURE
⑩ JUNCTION BOX	12"Wx12"Hx6"D, NEMA 1, HINGED, SURFACE MTD.
⑪ EXISTING PANELBOARD	PANEL HPB, 600A, 277/480V, 3P, SURFACE MTD.
⑫ CONDUIT	1" EMT BETWEEN PANEL AND JUNCTION BOX



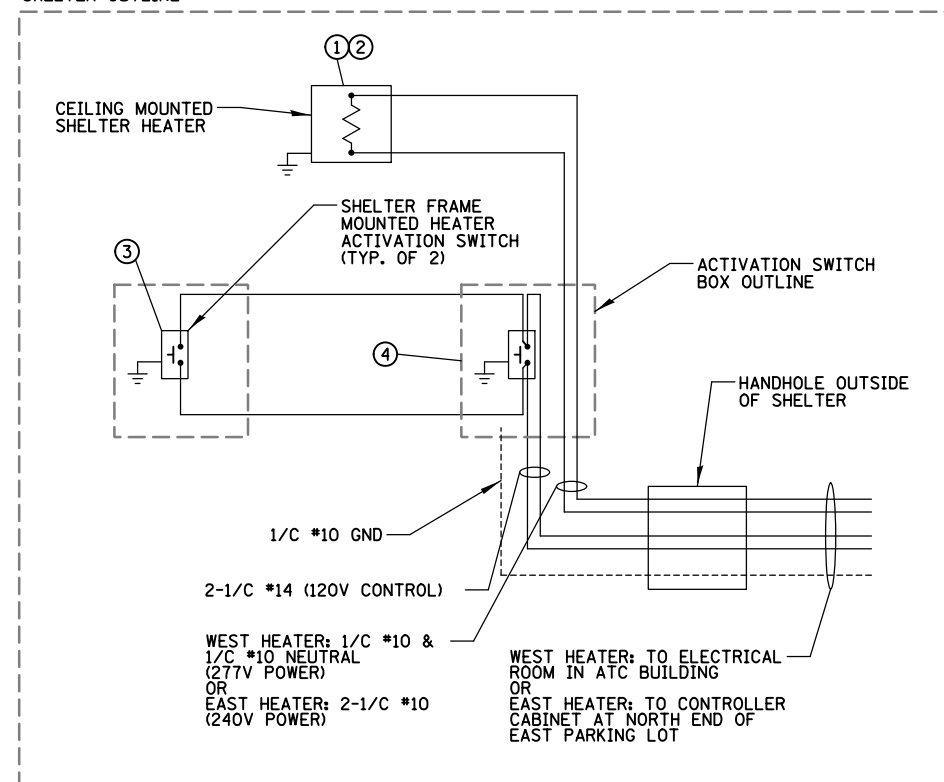
NOTES:

- FURNISH AND INSTALL NEW CIRCUIT BREAKER IN EXISTING PANELBOARD HPB IN THE AURORA TRANSPORTATION CENTER ELECTRICAL ROOM. COORDINATE ALL WORK WITH THE CITY.
- ALL ITEMS SHOWN ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR "MODIFY EXISTING CABINET EQUIPMENT AND APPURTENANCES". THIS WORK INCLUDES WIRING/CONDUIT FROM PANELBOARD TO PROPOSED JUNCTION BOX. COORDINATE JUNCTION BOX LOCATION WITH THE CITY UNDERGROUND CONDUIT AND WIRING PAID FOR SEPARATELY.
- ALL SWITCHES AND CONTROLS SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAMEPLATES.
- ALL EXPOSED BUS BARS SHALL BE INSULATED, AND ALL WIRING SHALL BE COPPER.
- ALL GROUND CONDUCTORS SHALL BE GREEN AND NEUTRAL CONDUCTORS SHALL BE WHITE. PHASE CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH SECTION 1066.02 OF THE STANDARD SPECIFICATIONS. CONTRACTOR SHALL ONLY USE SOLID COLOR CODED INSULATIONS. COLOR STRIPPING OF PHASE CONDUCTORS SHALL NOT BE ALLOWED.

**WEST SHELTER HEATER CONTROLLER COMPONENT
SCHEDULE AND WIRING DIAGRAM**

ITEM	SPECIFICATION
① EAST HEATER	2000W, 240V, INFRARED QUARTZ LAMP, SINGLE ELEMENT, WIRE SAFETY GUARD, 60 DEGREE SYMMETRIC REFLECTIVE ANGLE, ANODIZED REFLECTOR, 5.5"Wx46"Lx3.5"H, IPX5 RATED,
② EAST HEATER	2000W, 277V, INFRARED QUARTZ LAMP, SINGLE ELEMENT, WIRE SAFETY GUARD, 60 DEGREE SYMMETRIC REFLECTIVE ANGLE, ANODIZED REFLECTOR, 5.5"Wx46"Lx3.5"H, IPX5 RATED, FLUSH, 30MM
③ ACTIVATION SWITCH	10 AMPERE, 600V, HEAVY DUTY VANDAL RESISTANT MOMENTARY ROUND METAL CHROME PUSHBUTTON, 1 NO CONTACT,
④ SWITCH ENCLOSURE	HEAVY DUTY VANDAL RESISTANT DIE CAST, NEMA 4, SURFACE MOUNTED, MECHANICALLY FASTENED TWO COLOR ENGRAVED NAMEPLATE TO READ "PUSH FOR HEAT"

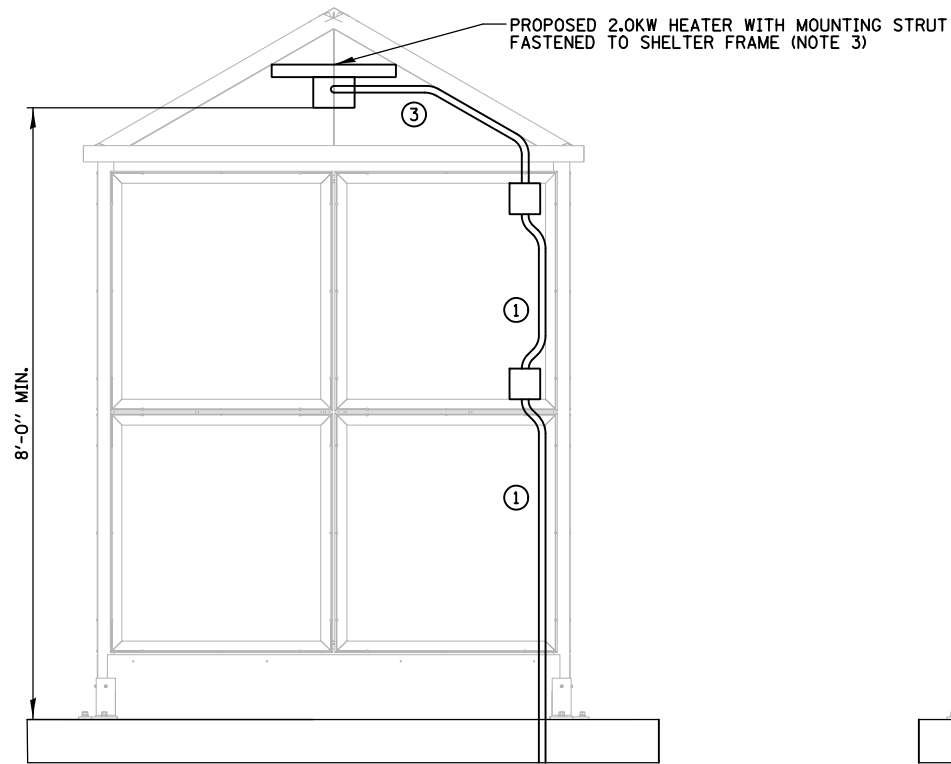
SHELTER OUTLINE



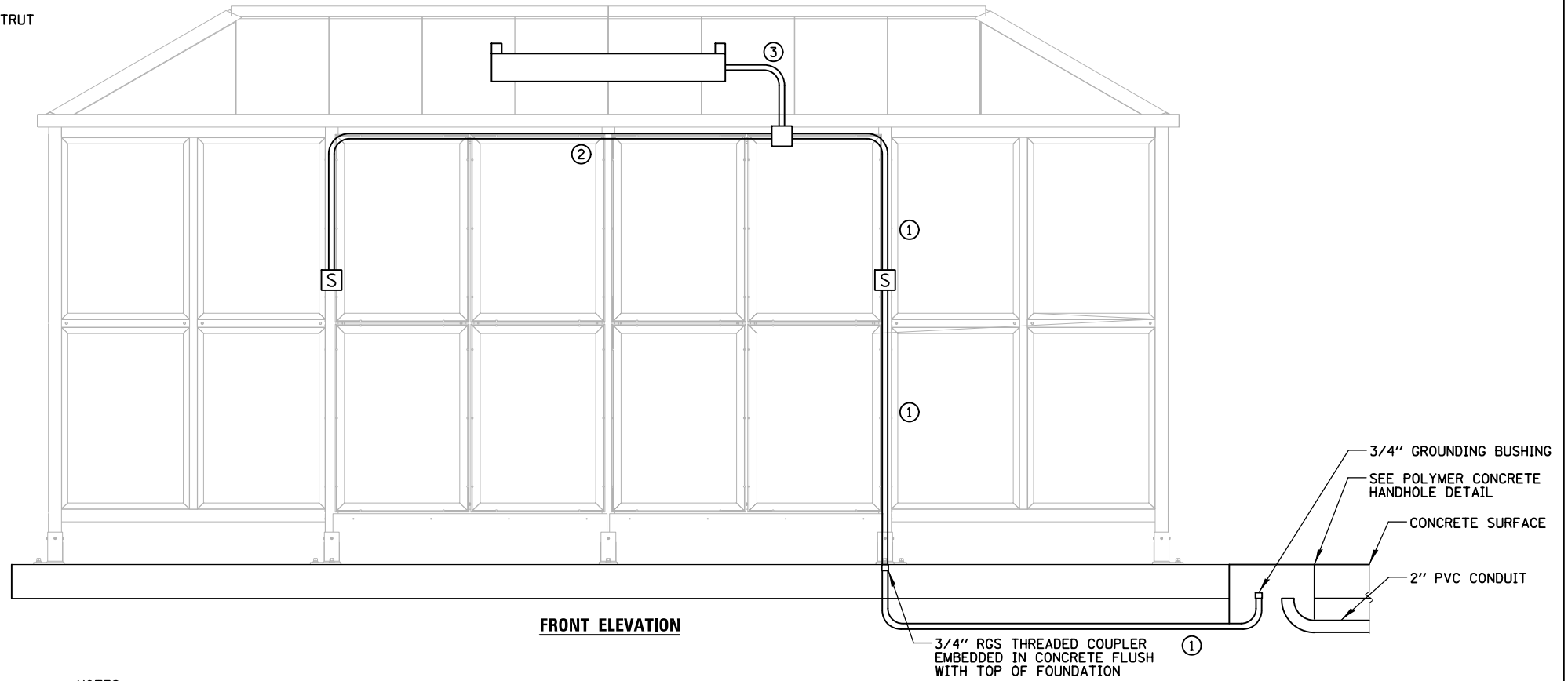
NOTES:

- ALL ITEMS SHOWN ABOVE FOR BOTH SHELTERS SHALL BE INCLUDED IN THE PRICE BID FOR "MISCELLANEOUS ELECTRICAL WORK", SHELTER, HANDHOLE, WIRING AND UNDERGROUND CONDUIT FROM HANDHOLE TO CONTROLS (OR CONTROLLER) PAID FOR SEPARATELY.
- SEE SHELTER ELECTRICAL DETAILS FOR MORE INFORMATION.
- ALL GROUND CONDUCTORS SHALL BE GREEN AND NEUTRAL CONDUCTORS SHALL BE WHITE. PHASE CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH SECTION 1066.02 OF THE STANDARD SPECIFICATIONS. CONTRACTOR SHALL ONLY USE SOLID COLOR CODED INSULATIONS. COLOR STRIPPING OF PHASE CONDUCTORS SHALL NOT BE ALLOWED.

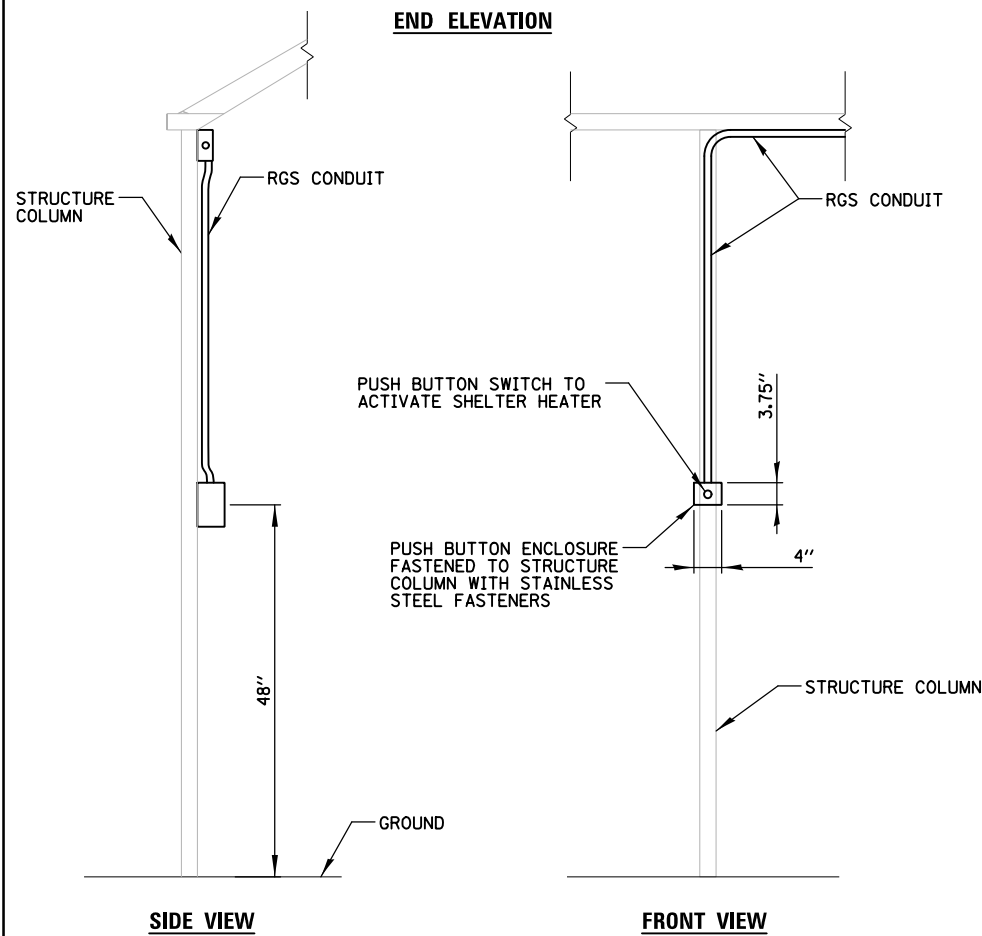
**EAST AND WEST SHELTER HEATER COMPONENT
SCHEDULE AND ACTIVATION SWITCH WIRING DIAGRAM**



END ELEVATION



FRONT ELEVATION



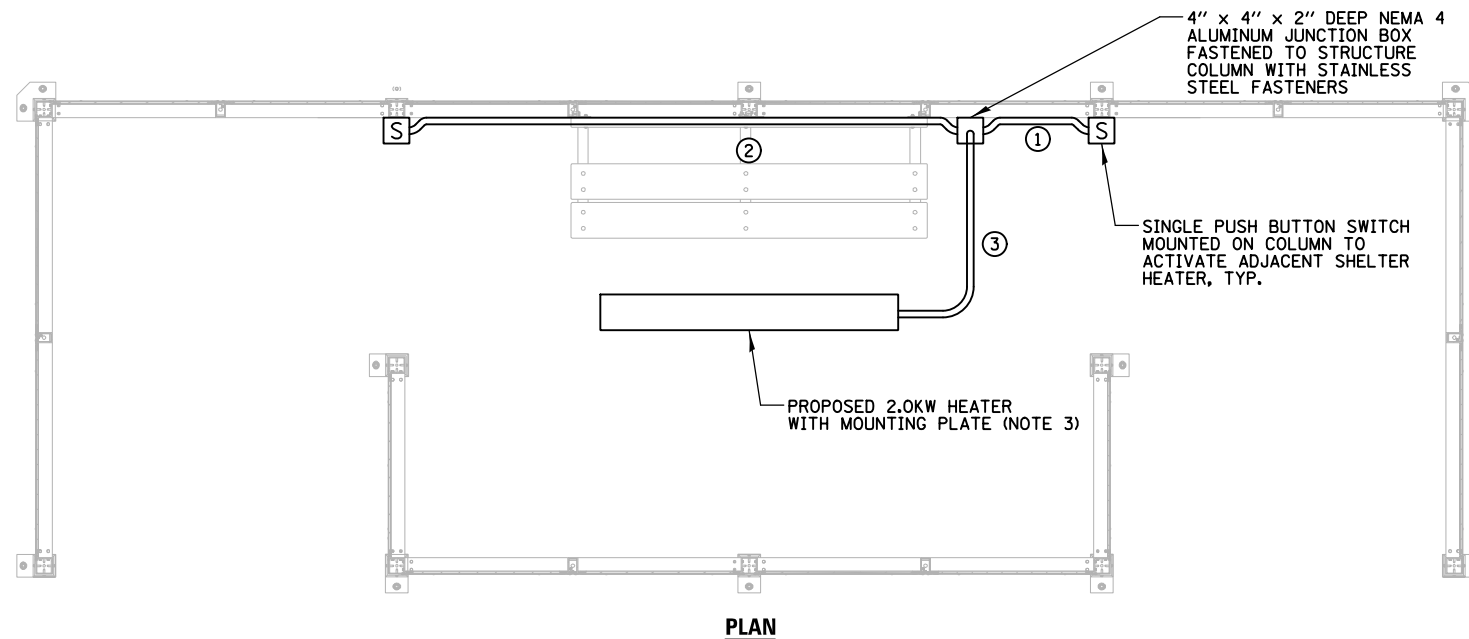
HEATER ACTIVATION SWITCH DETAIL
N.T.S.

NOTES:

1. LOCATION OF HANDHOLE, JUNCTION BOX, STUB UP AND RISER CONDUIT IS DIFFERENT FOR EACH SHELTER. SEE POWER PLAN FOR HANDHOLE LOCATION.
2. ALL WORK INSIDE BOTH WARMING SHELTERS AND EMBEDDED RGS SHALL BE PAID FOR UNDER "MISCELLANEOUS ELECTRICAL WORK". THE HANDHOLES, WIRE AND PVC CONDUIT SHALL BE PAID FOR SEPARATELY.
3. CONTRACTOR TO COORDINATE MOUNTING OF HEATER TO SHELTER. BOTTOM OF HEATER MUST HAVE 8'-0" MINIMUM CLEARANCE FROM GRADE.

CONDUCTOR / CONDUIT SCHEDULE

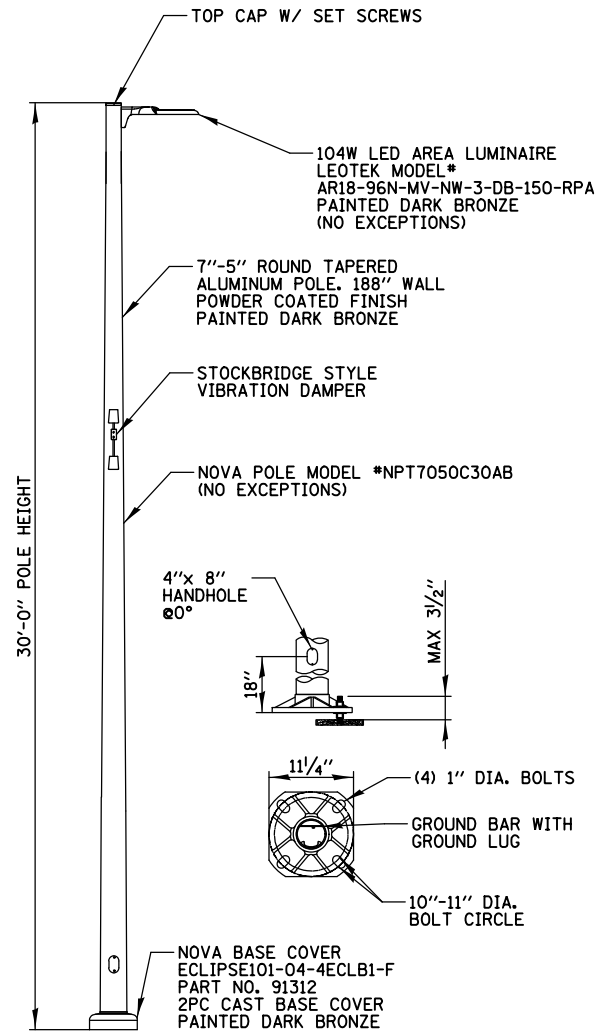
- ① 2/C #10 (POWER), 2/C #14 (CONTROL) & 1/C #10 GND IN 3/4" RGS CONDUIT
- ② 2/C #14 (CONTROL) & 1/C #14 GND IN 3/4" RGS CONDUIT
- ③ 2/C #10 (POWER) & 1/C #10 GND IN 3/4" RGS CONDUIT



EAST AND WEST SHELTER HEATING DETAIL
N.T.S.

USER NAME = aschaefer	DESIGNED - AJD	REVISED -
PLLOT SCALE = 48"	DRAWN - RJJ	REVISED -
PLLOT DATE = 12/1/2021	CHECKED - AJD	REVISED -
	DATE - 12/1/2021	REVISED -

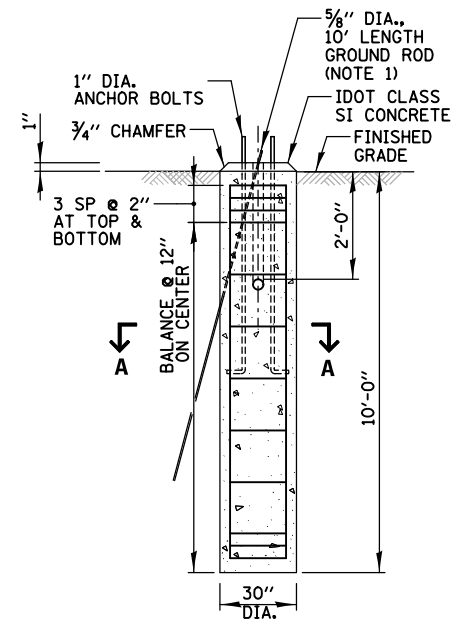
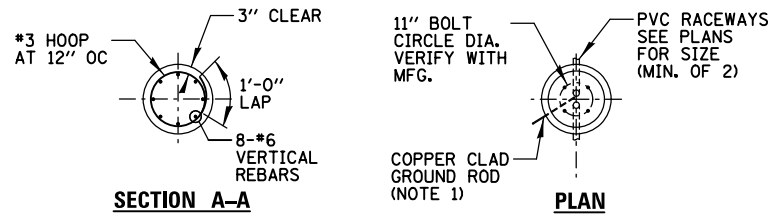
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	37
CONTRACT NO. 61H35				



NOTES:

1. POLE HANDHOLE SHALL FACE AWAY FROM PARKING LOT.
2. LIGHT POLE, BASE COVER, AND LED LUMINAIRE SHALL BE PAID FOR UNDER "LIGHTING UNIT, COMPLETE, SPECIAL".

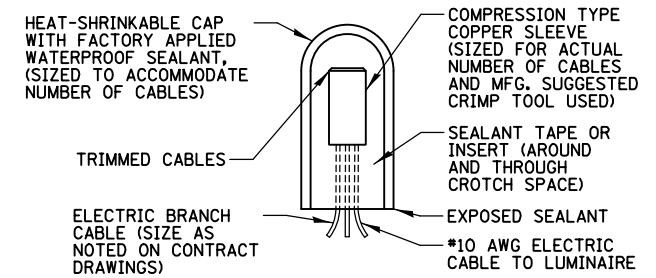
LIGHTING UNIT COMPLETE, SPECIAL
N.T.S.



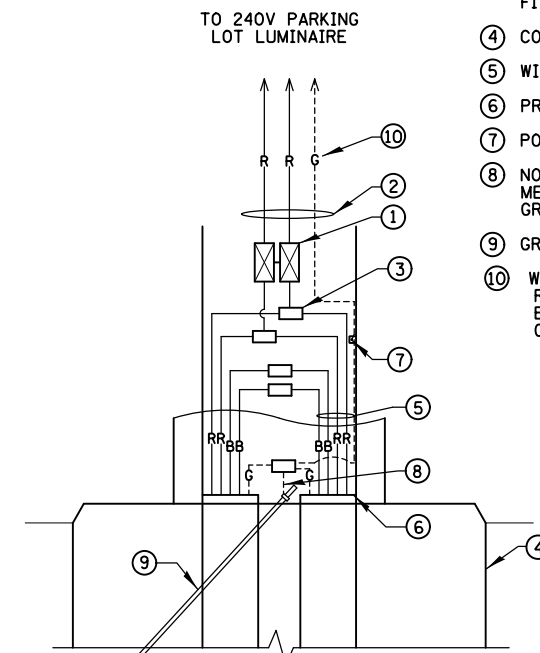
NOTES:

1. GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8 FEET IN CONTACT WITH SOIL.
2. FOUNDATIONS SHALL BE VIBRATED IN ACCORDANCE WITH IDOT STANDARD PRACTICES.
3. ALL ABOVE ITEMS INCLUDING CONCRETE, REINFORCEMENT, RACEWAYS, GROUND ROD AND FORM WORK SHALL BE INCLUDED IN THE LIGHT POLE FOUNDATION PAY ITEM.
4. FOUNDATION DEPTH IS BASED ON COHESIVE SOIL ALONG THE LENGTH OF THE SHAFT, WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH ($Q_u > 1.0$ TON/SF). SOIL STRENGTH SHALL BE VERIFIED BY BORING DATA PRIOR TO CONSTRUCTION, OR WITH TESTING DURING FOUNDATION DRILLING. THE OWNER'S REPRESENTATIVE SHALL BE CONTACTED FOR A REVISED DESIGN IF OTHER CONDITIONS ARE ENCOUNTERED.
5. THE REBAR CAGE SHALL NOT BE WELDED.

CONCRETE FOUNDATION DETAIL
N.T.S.



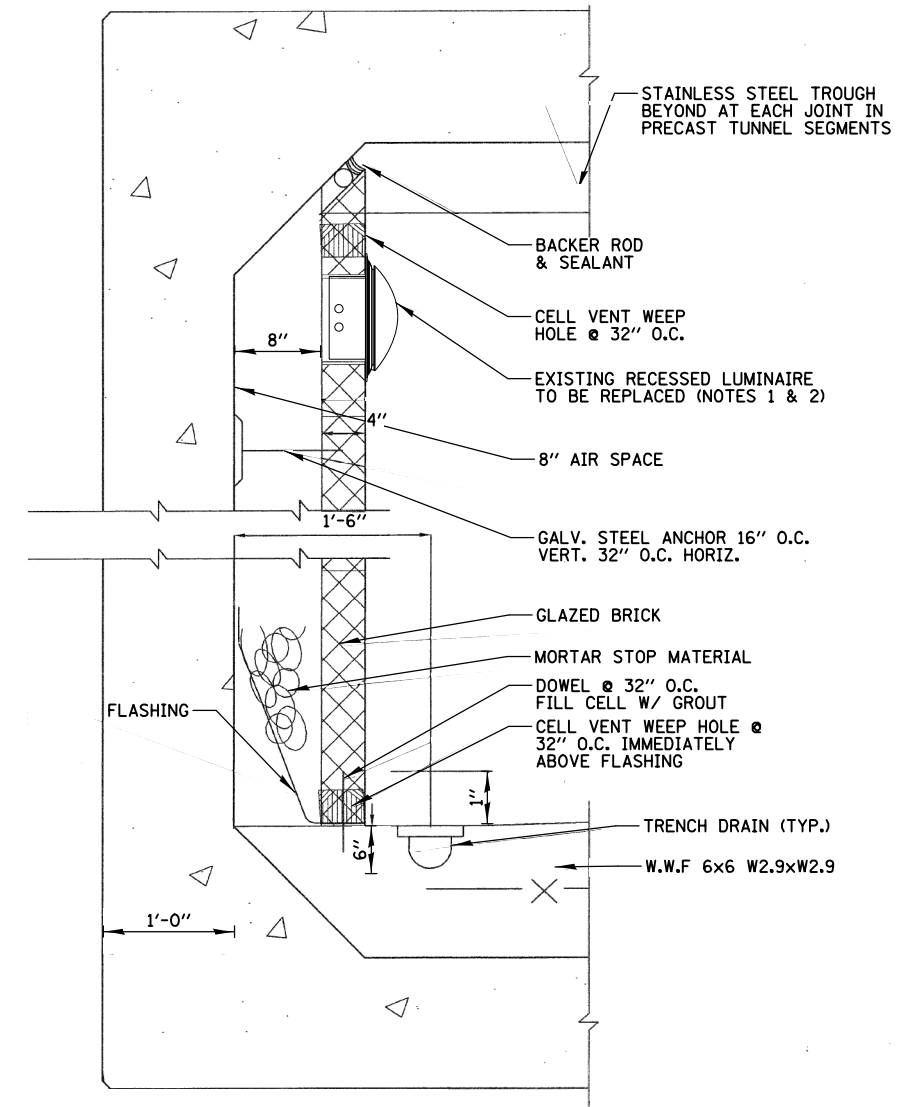
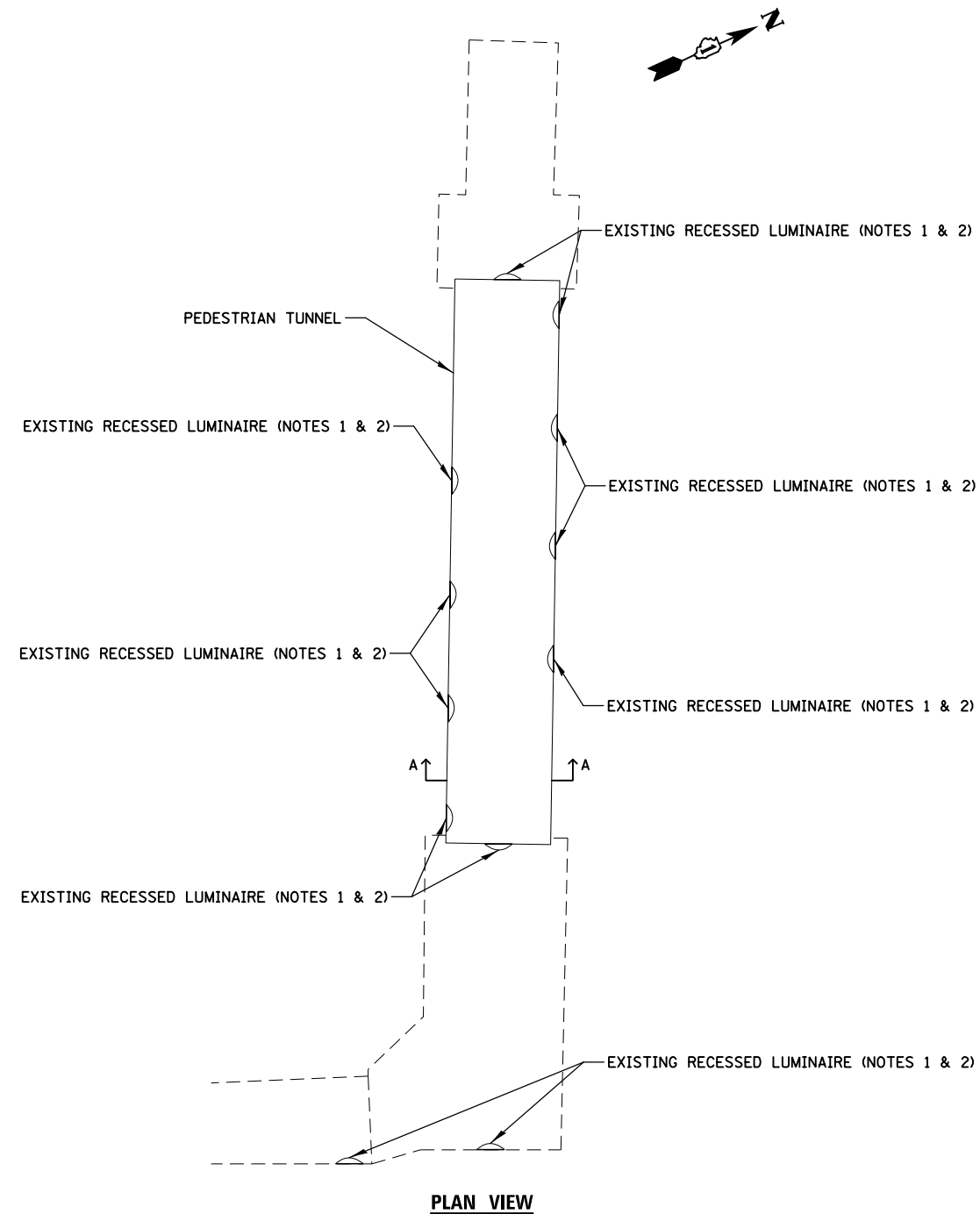
SPlicing ELECTRIC CABLE
N.T.S.



POLE HANDHOLE WIRING DIAGRAM
N.T.S.

- ① 5A FUSE FOR LUMINAIRES AND 2-POLE BREAKAWAY FUSE HOLDER & INSULATING BOOTS
- ② *10 XLP-TYPE USE POLE WIRES COLOR TO MATCH BRANCH WIRING
- ③ MULTIPLE COMPRESSION FITTINGS (SPlice), TYP.
- ④ CONCRETE FOUNDATION
- ⑤ WIRES AS SHOWN ON PLANS
- ⑥ PROPOSED PVC RACEWAY
- ⑦ POLE GROUND LUG
- ⑧ NO. 6 GROUND WIRE MECHANICALLY CLAMPED TO GROUND ROD
- ⑨ GROUND ROD
- ⑩ WIRE COLOR
R=RED
B=BLACK
G=GREEN

USER NAME = aschaefer	DESIGNED - AJD	REVISED -
PLOT SCALE = 48"	CHECKED - AJD	REVISED -
PLOT DATE = 12/1/2021	DATE - 12/1/2021	REVISED -



NOTES:

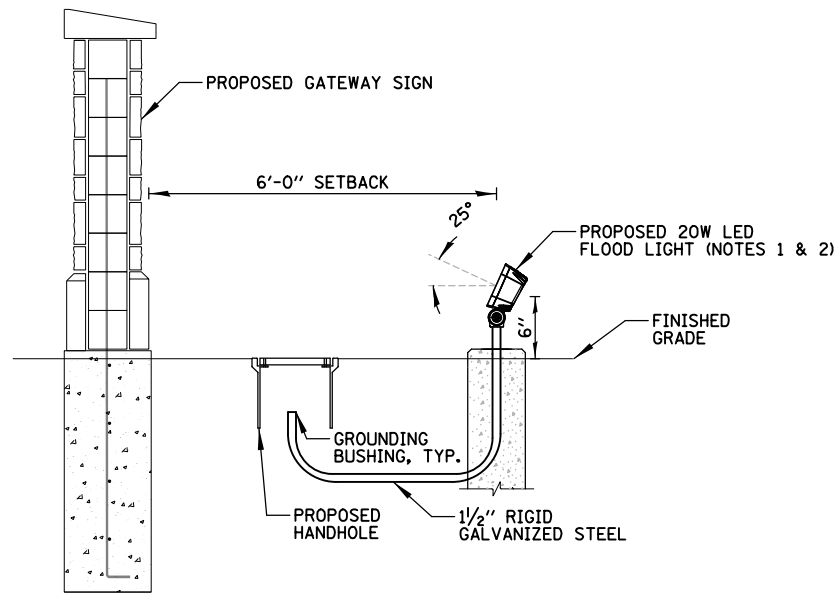
1. REMOVE EXISTING RECESSED TUNNEL LUMINAIRE AND REPLACE WITH PROPOSED 30W LED LUMINAIRE KENALL MODEL #MR17ESR-PP-PP-MB-25L40K-DV (NO EXCEPTIONS). ALL WORK SHALL BE PAID FOR UNDER "LUMINAIRE REPLACEMENT SPECIAL", SEE SPECIAL PROVISIONS.
2. EXISTING LUMINAIRE SHALL BE REMOVED/REPLACED/RECONNECTED SAME DAY TO ENSURE TUNNEL LIGHTING IS FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.

PEDESTRIAN TUNNEL

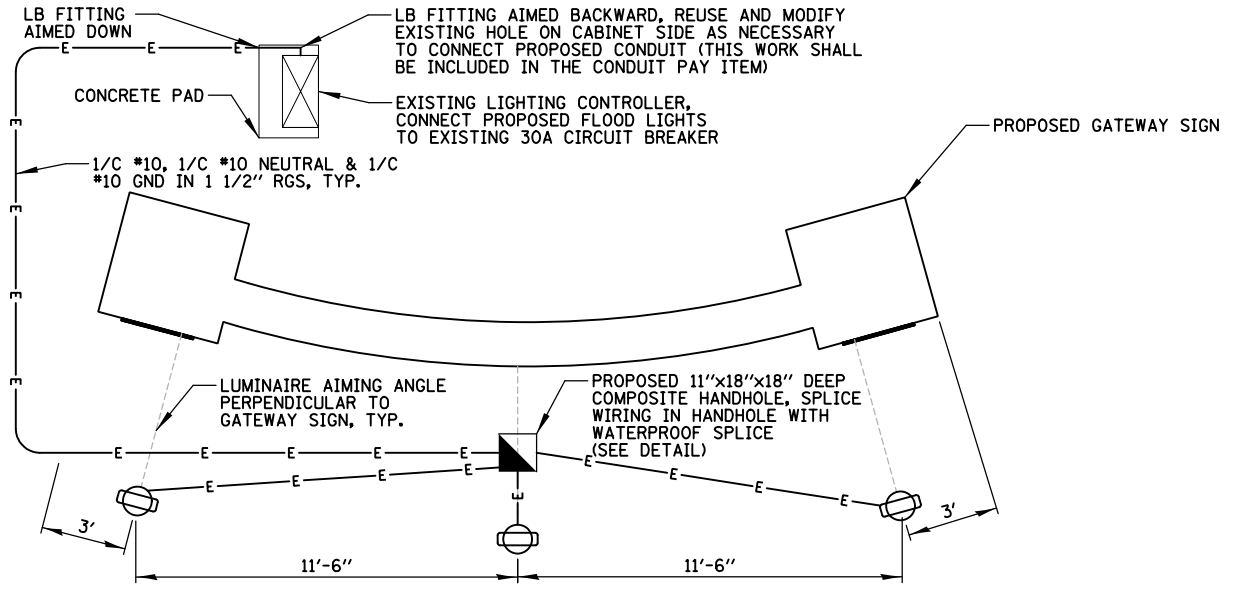
N.T.S.

USER NAME = aschaefer	DESIGNED - AJD	REVISED -
PLOT SCALE = 48"	DRAWN - RJJ	REVISED -
PLOT DATE = 12/1/2021	CHECKED - AJD	REVISED -
	DATE - 12/1/2021	REVISED -

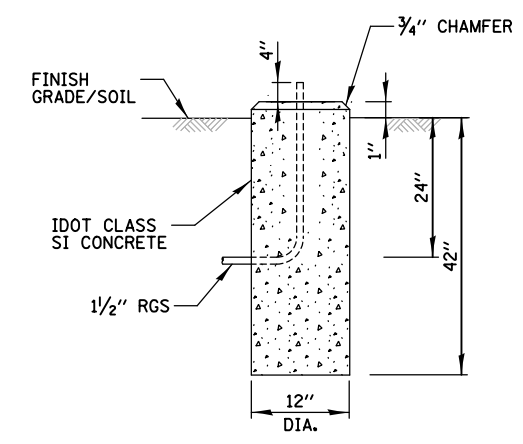
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	39
CONTRACT NO. 61H35			ILLINOIS FED. AID PROJECT	



SIDE VIEW



TOP VIEW



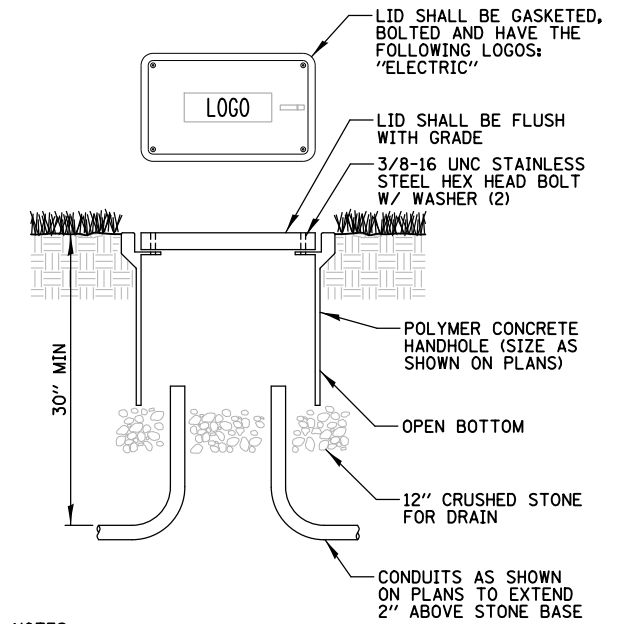
FLOOD LIGHT FOUNDATION

NOTES:

1. FLOOD LIGHT SIGNIFY MODEL #DFL7-RM-16L-350-NW-G2-UNV-BZ-PSO (NO EXCEPTIONS).
2. CONTRACTOR TO TILT FLOOD LIGHT 25° FROM HORIZONTAL.
3. LUMINAIRE AND FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM FOR "SIGN LIGHTING UNIT, COMPLETE". RGS CONDUIT AND WIRE SEPARATELY.

SIGN LIGHTING UNIT, COMPLETE

N.T.S.

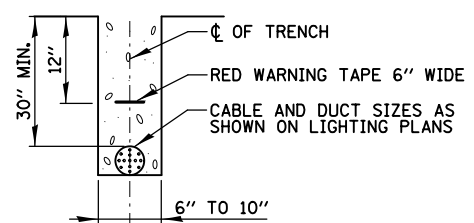


NOTES:

1. NO SPLICING ALLOWED IN HANDHOLE, UNLESS OTHERWISE SHOWN.
2. POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREY.
3. BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS, AND BE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/SCTE 77 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND THE PROVISIONS OF PARAGRAPHS 5.2.3 AND 5.2.4 OF WESTERN UNDERGROUND COMMITTEE GUIDE 3.6.

POLYMER CONCRETE HANDHOLE

N.T.S.

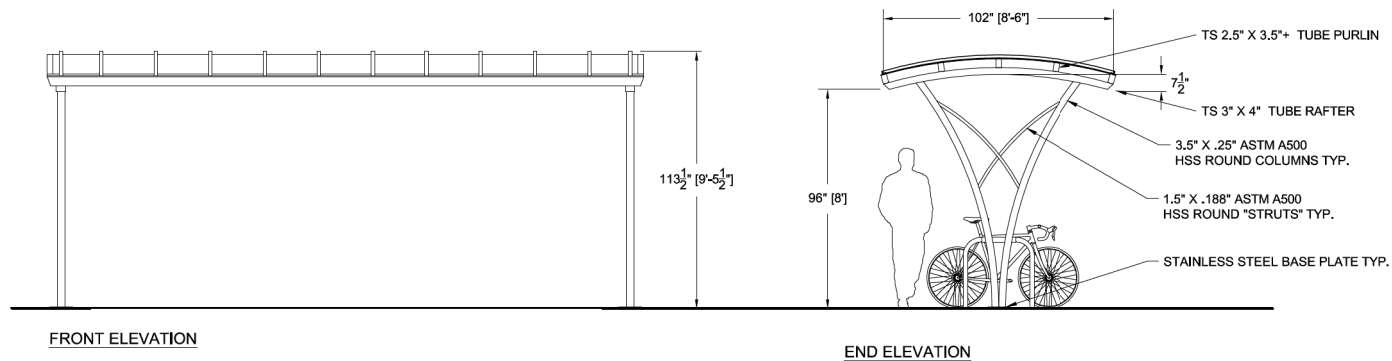


TRENCH CROSS SECTION

ELECTRIC CONDUIT INSTALLATION

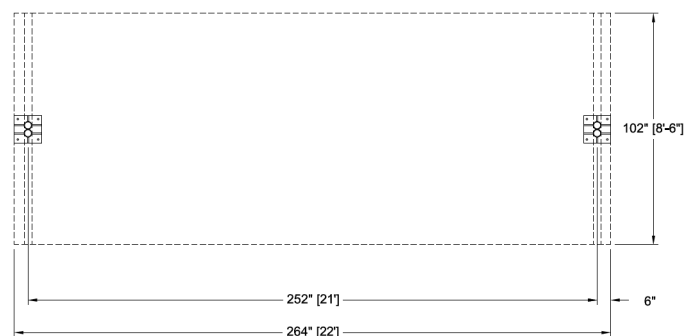
N.T.S.

USER NAME = aschaefer	DESIGNED - AJD	REVISED -
PLOT SCALE = 48"	DRAWN - RJJ	REVISED -
PLOT DATE = 12/1/2021	CHECKED - AJD	REVISED -
	DATE - 12/1/2021	REVISED -



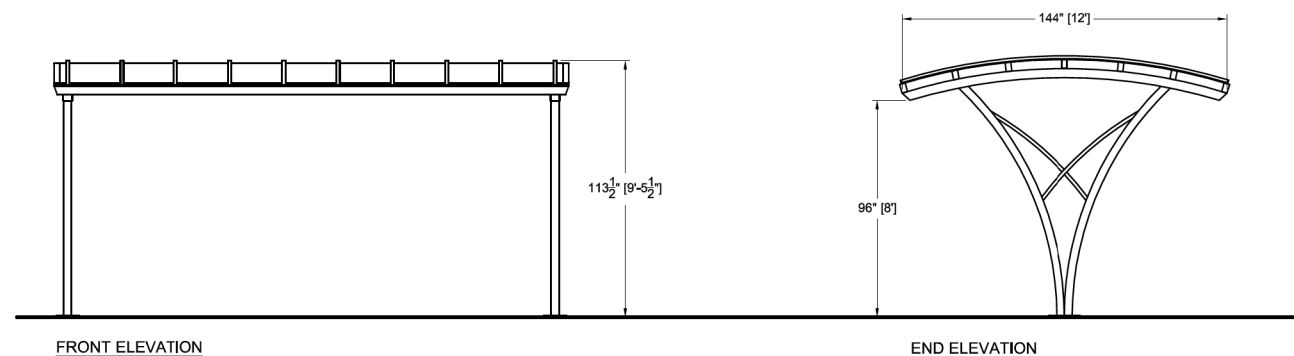
FRONT ELEVATION

END ELEVATION



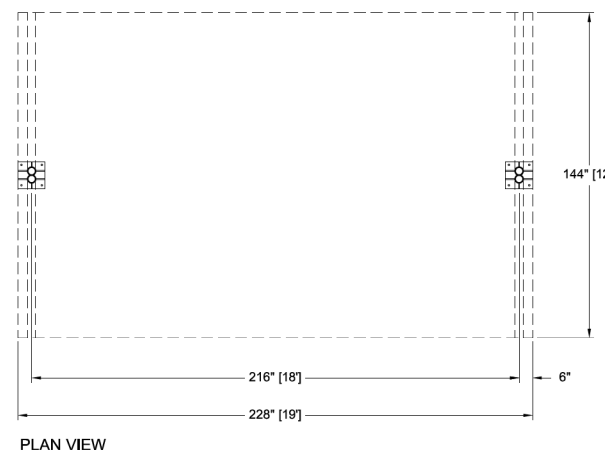
BIKE SHELTER

NOTES:
 *FRAMEWORK TO BE WELDED AND MECHANICALLY FASTENED STEEL
 *ALL FASTENERS TO BE STAINLESS STEEL
 *ROOF GLAZING TO BE: 8MM POLYCARBONATE STRUCTURED SHEET, BATTEN SYSTEM, IN ALUMINUM TRIM. TINT:
 *STEEL FINISHING:
 *MEDIA BLAST PREP
 *TNEMEC TNEME ZINC 80-87 PRIMER
 *TNEMEC SERIES 169 H-BUILD EPOXYLINE 2-PART EPOXY MIDCOAT;
 *TNEMEC SERIES 73 ENDURA-SHIELD TOPCOAT.
 *ALUMINUM TRIM TO HAVE SAME TOP TWO COATS.
 *COLOR: BLACK
 *ALL DIMENSIONS TO BE FIELD VERIFIED
 *DESIGN IS PRELIMINARY, AND CONCEPTUAL, AND SUBJECT TO CHANGE BASED ON FINAL ENGINEERING PHASE AND CUSTOMER APPROVAL.



FRONT ELEVATION

END ELEVATION



PLAN VIEW

NOTES:
 - Framework to be welded and mechanically fastened steel
 - All mechanical connections to be made with concealed fasteners
 - Rafter and purlins shall be beveled, then capped, welded and ground smooth prior to finishing
 - Base anchor plates shall be stainless steel, grade 304, finished to match shelter
 - Roof glazing to be 8MM structural polycarbonate - batten system
 - See section 10 72 43 for detailed written specifications
 - Design is preliminary, conceptual, and subject to change based on final engineering phase and customer approval

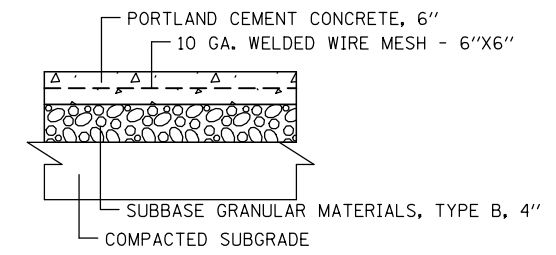
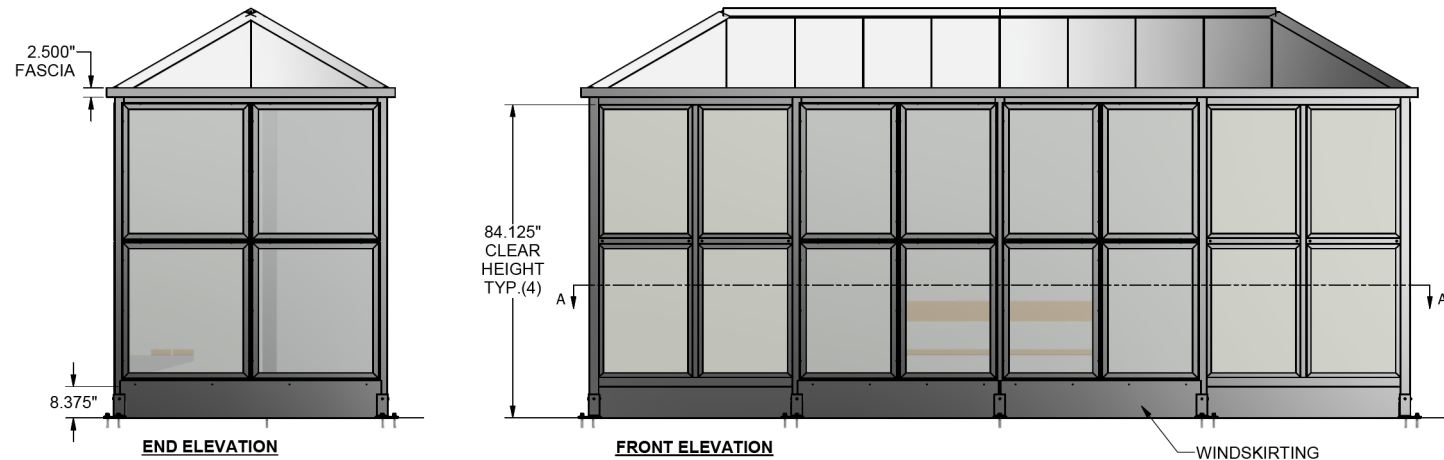
BIKE SHELTER TYPE 2

 Duo-Gard Industries, Inc. Tel (734) 207-9700 Fax (734) 207-7995 www.duo-gard.com	THIS DRAWING IS PROPRIETARY AND FOR THE SOLE USE OF OUR CUSTOMER AND MAY NOT BE COPIED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT FROM DUO-GARD INDUSTRIES, INC. LEAD TIME BEGINS UPON RECEIPT OF SIGNED SHOP DRAWINGS		PROJECT NAME CUSTOMER SAMPLE						
	APPROVAL SIGNATURE _____ DATE _____		DESCRIPTION 9' X 22' "PARACHUTE" BICYCLE SHELTER, PLAN AND ELEVATION DETAILS						
	PRJ/ENG	PRJ/MGR	DRFTR	DRWG DATE	REV1	REV2	SCALE	PAGE	OF
BDI	SM	GS	9.1.2016			3/16" = 1'-0"	1	1	0922PAR

 Duo-Gard Industries, Inc. Tel (734) 207-9700 Fax (734) 207-7995 www.duo-gard.com	THIS DRAWING IS PROPRIETARY AND FOR THE SOLE USE OF OUR CUSTOMER AND MAY NOT BE COPIED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT FROM DUO-GARD INDUSTRIES, INC. LEAD TIME BEGINS UPON RECEIPT OF SIGNED SHOP DRAWINGS		PROJECT NAME CUSTOMER SAMPLE						
	APPROVAL SIGNATURE _____ DATE _____		DESCRIPTION 12' X 19' "PARACHUTE" BICYCLE SHELTER						
	PRJ/ENG	PRJ/MGR	DRFTR	DRWG DATE	REV1	REV2	SCALE	PAGE	OF
		GS	1.1.2017				1	1	1219PAR

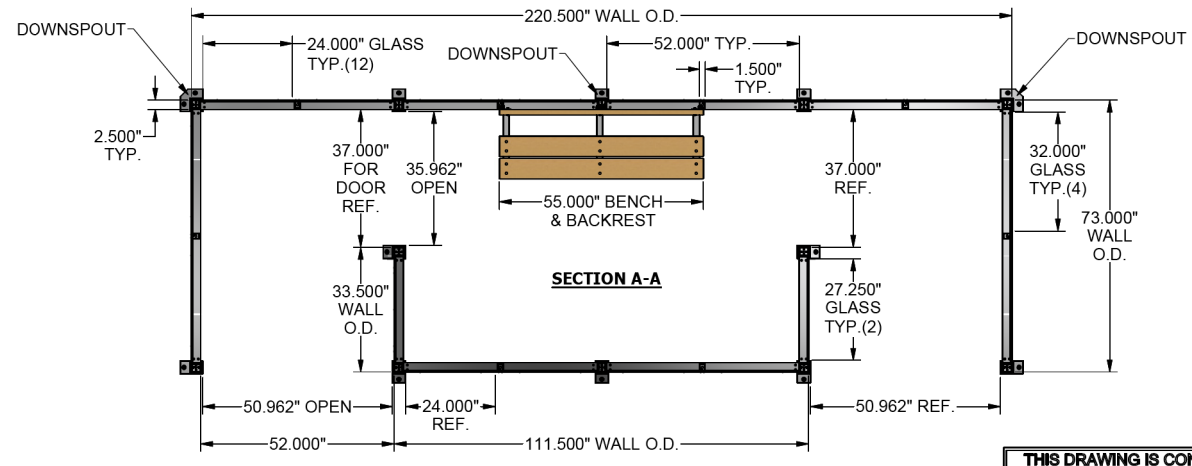
USER NAME = aschaefer	DESIGNED -	AJS	REVISED -	
PLOT SCALE = 48"	CHECKED -	BMW	REVISED -	
PLOT DATE = 12/1/2021	DATE -	12/1/2021	REVISED -	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	41
CONTRACT NO. 61H35			ILLINOIS FED. AID PROJECT	



CONCRETE PAD DETAIL

UNKNOWN LOCATION (2)



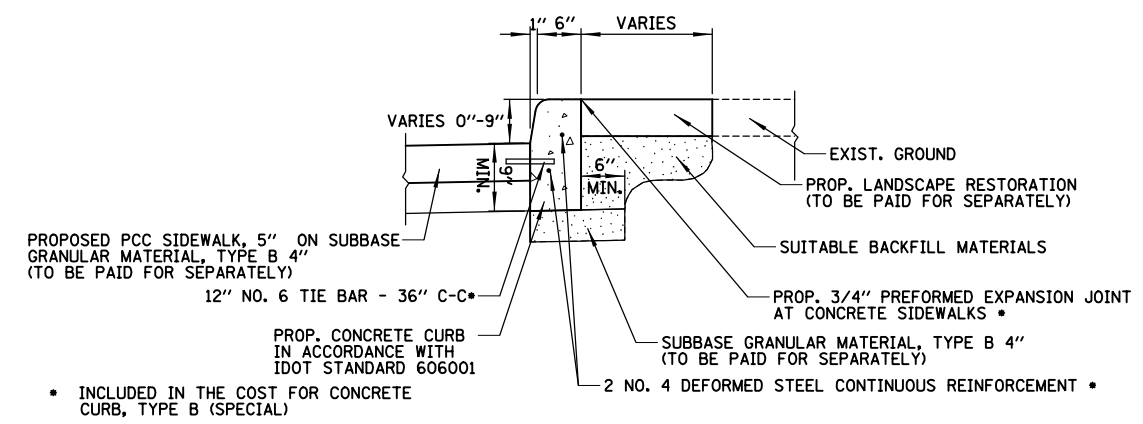
THIS DRAWING IS CONFIDENTIAL AND IS FOR THE SOLE USE OF OUR CUSTOMERS AND MAY NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION FROM BRASCO INTERNATIONAL. LEAD TIME BEGINS UPON RECEIPT OF SIGNED APPROVAL.

SIGNED: _____ DATE: _____

QUANTITY (2) SHELTERS THUS

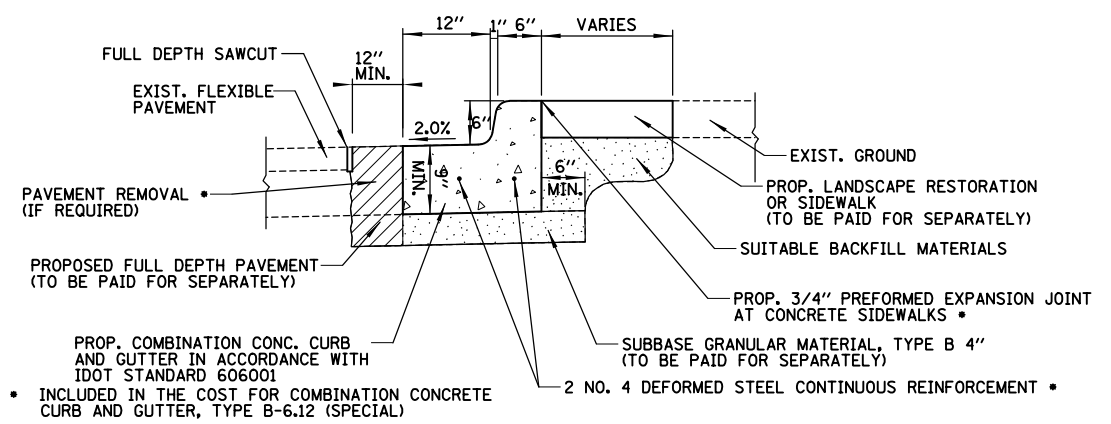
- SPECIFICATIONS:**
- DARK BRONZE ANODIZED ALUMINUM STRUCTURE
 - 1/4\" CLEAR ACRYLIC WALL GLAZING
 - PARTIAL LENGTH CEDAR HDPE WALL MOUNTED BENCH & BACKREST
 - MIDDLE HORIZONTAL SPLIT MULLION
 - FULL PERIMETER WINDSKIRT
 - BRONZE ALUMINUM STANDING SEAM HIP ROOF WITH FASCIA/GUTTER SYSTEM
 - DOWNSPOUTS LOCATED AS SHOWN

<p>BRASCO INTERNATIONAL, INC. 32400 INDUSTRIAL DR. MADISON HEIGHTS, MICHIGAN 48071 1-800-893-3665 WWW.BRASCO.COM</p> <p><small>THIS DRAWING IS CONFIDENTIAL AND IS FOR THE SOLE USE OF OUR CUSTOMERS AND MAY NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION FROM BRASCO INTERNATIONAL.</small></p>	CUSTOMER: METRA PROJECT: SLIMLINE STYLE TRANSIT SHELTER MODEL: SL-06-20-F-C-HI-AL-AC-0-0-0	DESIGNER: HAUS DATE: 6-11-21	CHECKER: BDH DATE: 6-11-21
	JOB #: 6595	SHEET: S-001	REVISION: A
	THIS DRAWING IS CONFIDENTIAL AND IS FOR THE SOLE USE OF OUR CUSTOMERS AND MAY NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION FROM BRASCO INTERNATIONAL.		
	BRASCO INTERNATIONAL, INC.		



- NOTES:
- EXPANSION JOINTS PLACED AT A MAXIMUM 60 FEET SPACING. CONTRACTION JOINTS PLACED AT A MAXIMUM 10 FEET SPACING. EXPANSION JOINTS SHALL HAVE TWO 18\" LONG NO. 6 SMOOTH STEEL DOWL BARS PLACED AT MID DEPTH.
 - 3/4\" PREFORMED EXPANSION JOINT SHALL BE PLACED BETWEEN THE PROPOSED CONCRETE CURB AND PROPOSED SIDEWALK.

CONCRETE CURB, TYPE B (SPECIAL)



- NOTES:
- ALL CURB AND GUTTER SHALL BE REVERSED PITCH AS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - EXPANSION JOINTS PLACED AT A MAXIMUM 60 FEET SPACING. CONTRACTION JOINTS PLACED AT A MAXIMUM 10 FEET SPACING. EXPANSION JOINTS SHALL HAVE TWO 18\" LONG NO. 6 SMOOTH STEEL DOWL BARS PLACED AT MID DEPTH.
 - DEPRESSED CURB HEADS SHALL BE INSTALLED AT ALL ADA CURB RAMPS/BLENDED TRANSITIONS AND AT THE KISS & RIDE AREA SHOWN ON THE PLANS. DEPRESSED CURB HEAD SHALL BE 1/2\" TALL IN ACCORDANCE WITH ADA AND PROWAG REQUIREMENTS.

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

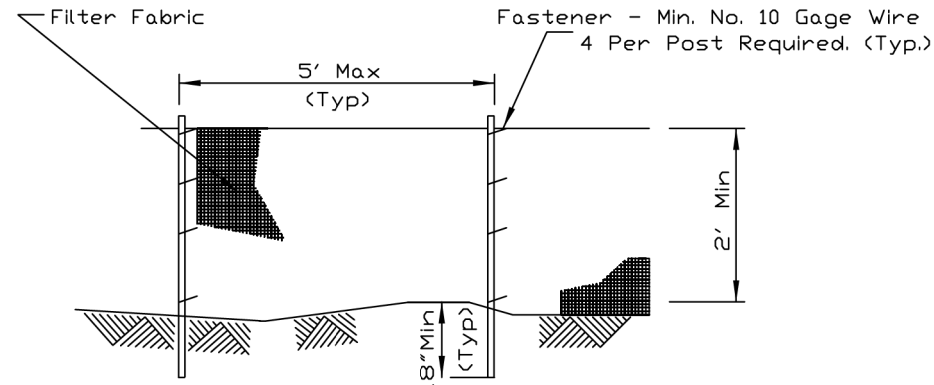
USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

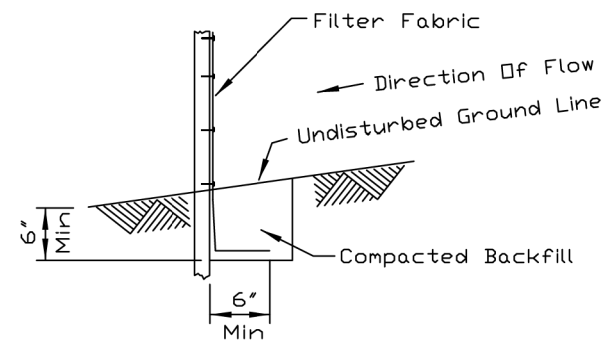
ATC EAST PARKING LOT IMPROVEMENTS			
CONSTRUCTION DETAILS			
SCALE: N.T.S.	SHEET 2	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	42
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

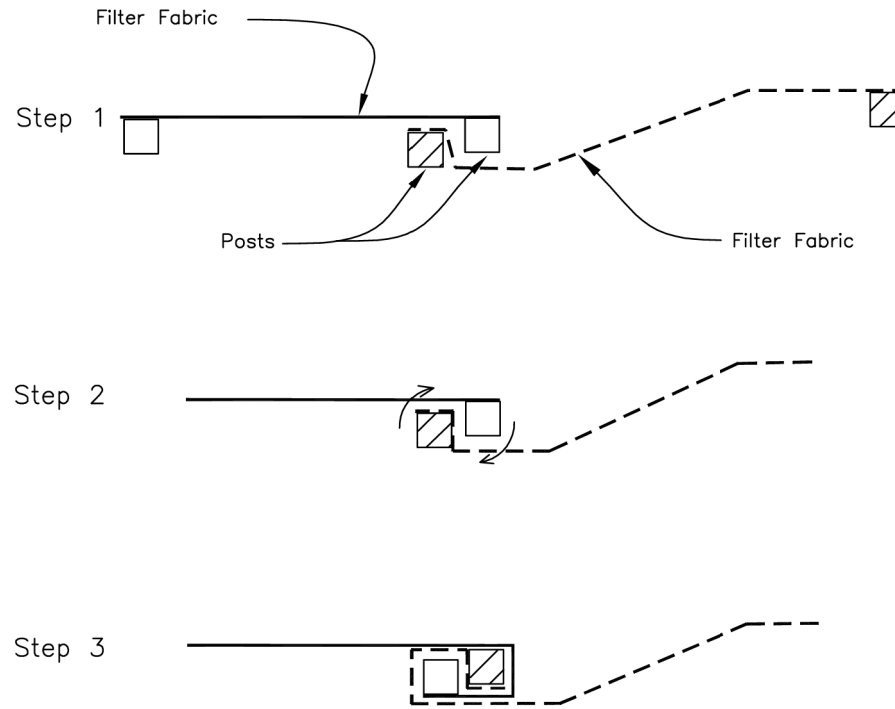
- NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
 IL-620
 SHEET 1 OF 2
 DATE 11-20-01

SILT FENCE



ATTACHING TWO SILT FENCES

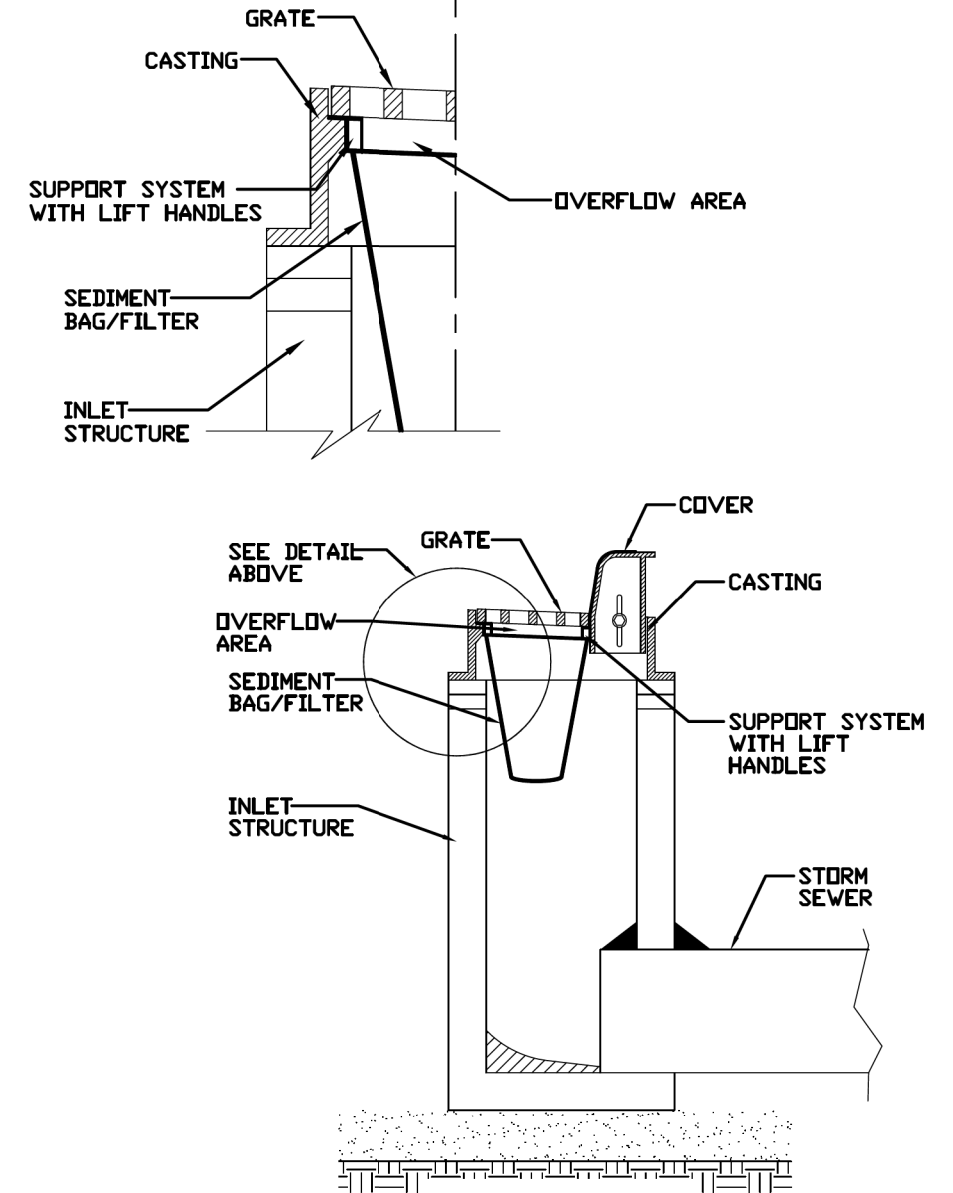
- NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
 2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
 IL-620(W)
 SHEET 2 OF 2
 DATE 1-29-99

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



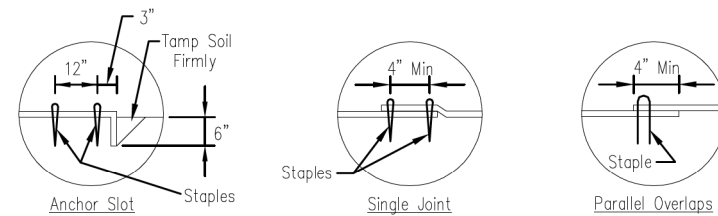
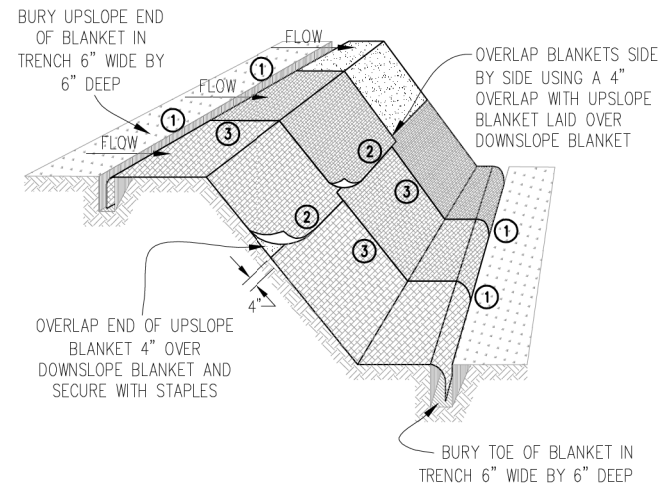
REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
 IUM-561D
 SHEET 1 OF 1
 DATE 01-11-11

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - JRS	REVISED -
PLOT DATE = 12/1/2021	CHECKED - BMW	REVISED -
	DATE - 12/1/2021	REVISED -

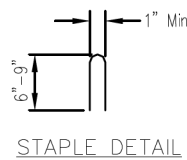
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	43
CONTRACT NO. 61H35			ILLINOIS FED. AID PROJECT	



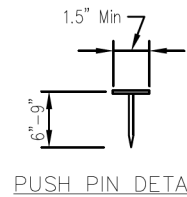
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL

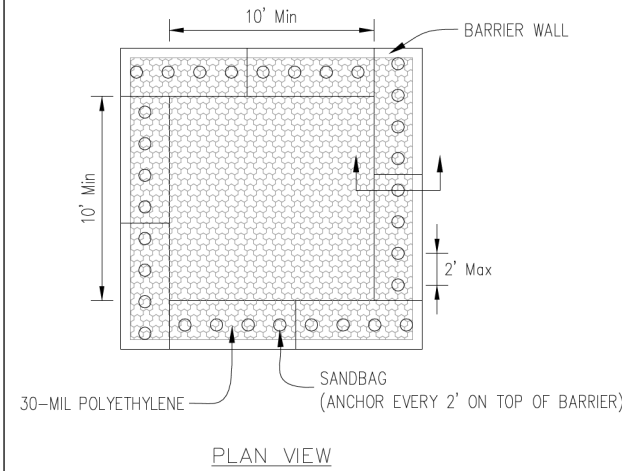


PUSH PIN DETAIL

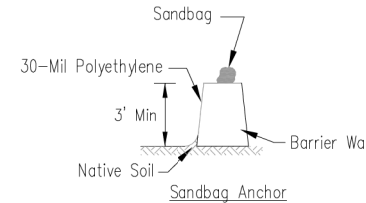
NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

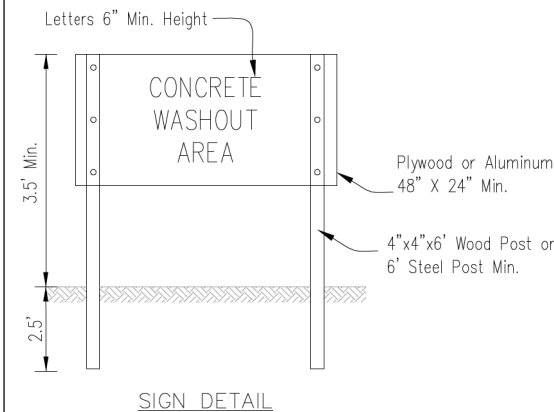
Sheet	3	of	3
Drawn	B. JOHNSON	Date	11/08
Checked		Approved	
EROSION CONTROL BLANKET INSTALLATION DETAILS			



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet	3	of	3
Drawn	B. JOHNSON	Date	6/08
Checked		Approved	
TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL			

NOTES:

1. PIPE SHALL BE SCHEDULE 40 STEEL PIPE
2. BOLLARD SHALL BE INSTALLED PLUMB IN ALL DIRECTIONS
3. THE TOP 8" OF THE OUTER EDGE OF THE CONCRETE ENCASUREMENT SHALL BE FORMED WITH A SINGLE USE FOUNDATION FORM. THIS FORM SHALL BE REMOVED PRIOR TO THE INSTALLATION OF THE ADJACENT PAVEMENT.
4. THE 8" DIAMETER BOLLARD SHALL BE FILLED WITH PORTLAND CEMENT CONCRETE.
5. THE 8" DIAMETER BOLLARD SHALL BE COVERED WITH AN ENAMEL PAINT COLOR SAFETY YELLOW. THE CONTRACTOR SHALL SUBMIT A SAMPLE OF THE PAINT TO THE ENGINEER FOR APPROVAL PRIOR TO PAINTING.
6. SEE SIGNAGE DETAILS FOR BOLLARD MOUNTED SIGN POSTS.

BOLLARD DETAIL

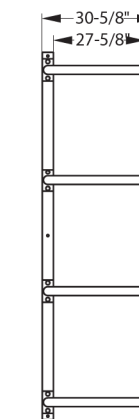


Model # UX200-8-P

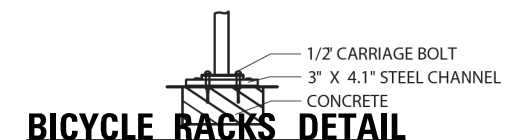
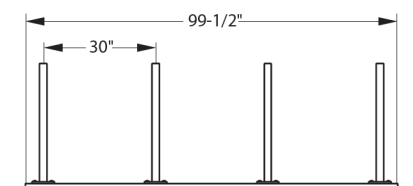
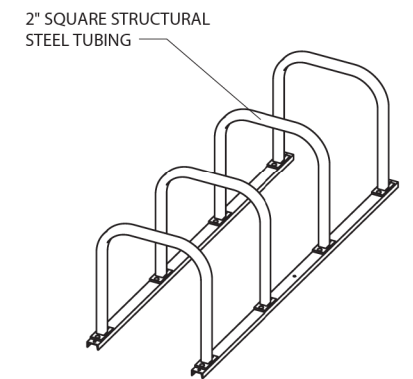
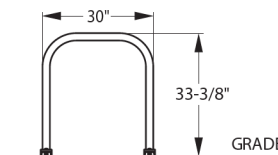
Dimension Sheet

627 Amersale Drive
Naperville, IL 60563
Phone: (800) 323-5664
Fax: (630) 897-0573
sales@belson.com

EXTENDED SQUARE U RACK ON RAILS | 4 LOOPS 8 BIKES



ELEVATION VIEW



BICYCLE RACKS DETAIL

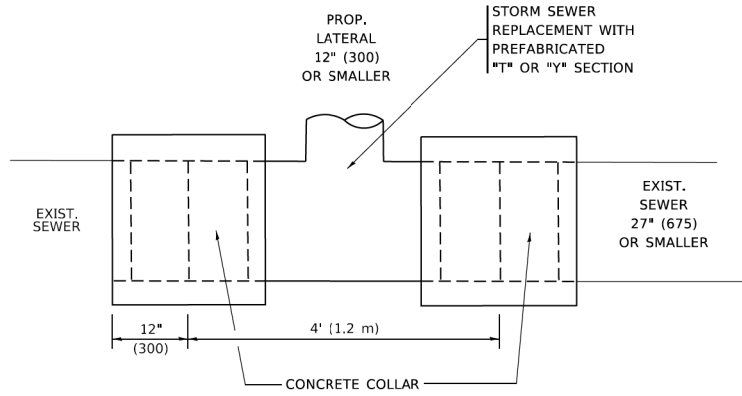
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer	DESIGNED -	AJS	REVISED -	
	PLOT SCALE = 48"	DRAWN -	JRS	REVISED -	
	PLOT DATE = 12/1/2021	CHECKED -	BMW	REVISED -	
		DATE -	12/1/2021	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ATC EAST PARKING LOT IMPROVEMENTS
CONSTRUCTION DETAILS**

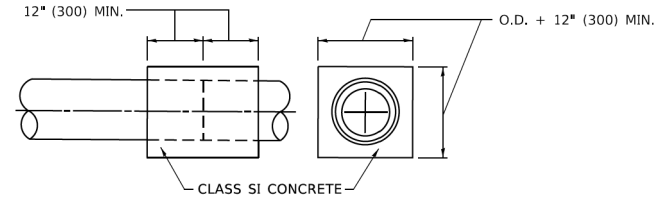
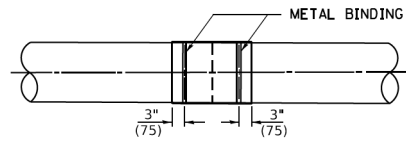
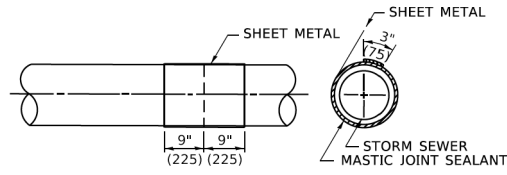
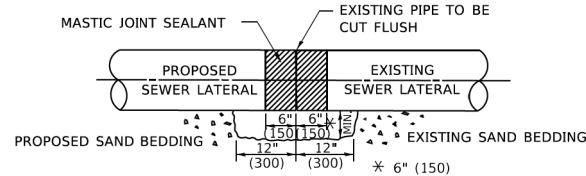
SCALE: N.T.S. SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	44
CONTRACT NO. 61H35				
ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



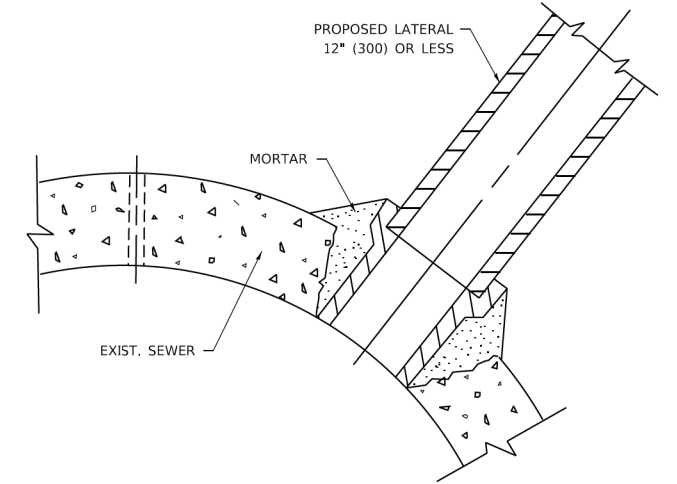
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

MODEL: Default
 FILE: N:\aurore\200106\Civil\1\DI.01.BD-7.200106.SHT
 PROJECT: D:\Projects\110106\110106\110106\110106\110106\CAD\sheet\107.dgn
 PLOT DATE = 3/27/2019

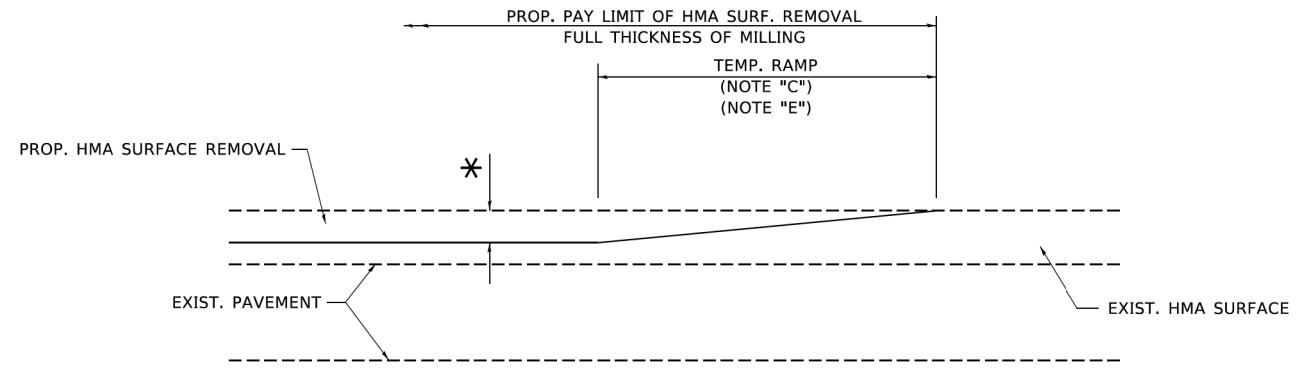
USER NAME = footemj	DESIGNED - M. DE YONG	REVISED - M. DE YONG 5-8-92
	DRAWN -	REVISED - R. SHAH 09-09-94
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - R. SHAH 10-25-94
PLOT DATE = 3/27/2019	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

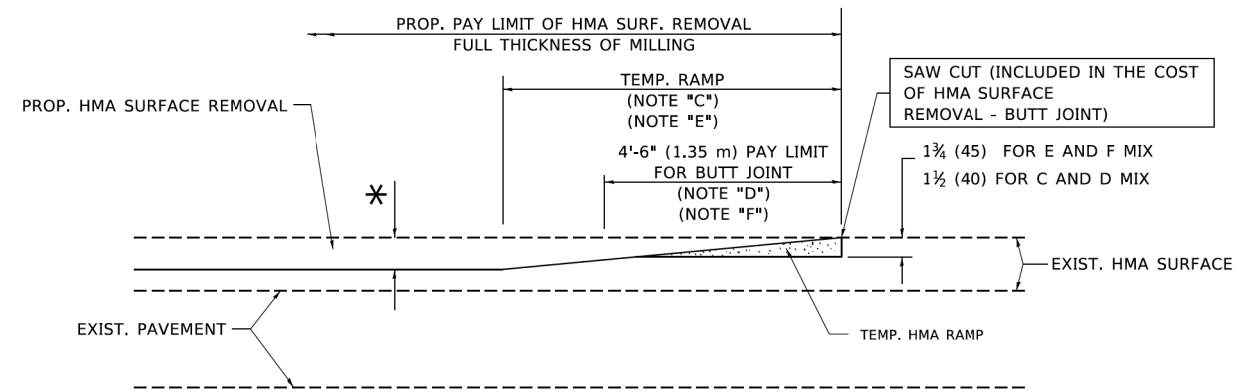
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	45
BD500-01 (BD-7)		CONTRACT NO. 61H35		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

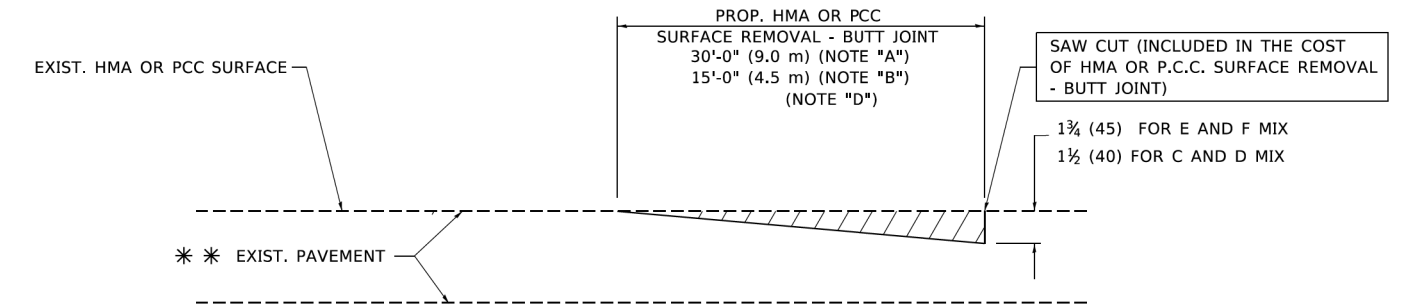


HMA CONSTRUCTED TEMPORARY RAMP

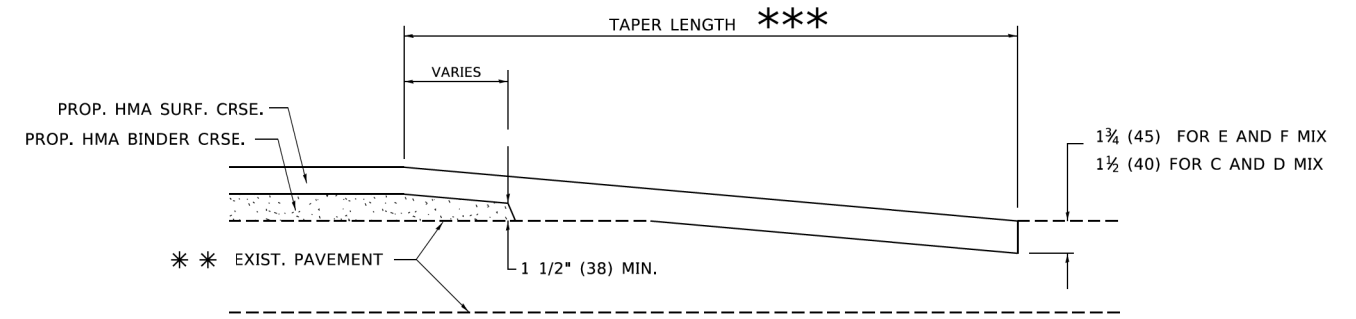
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

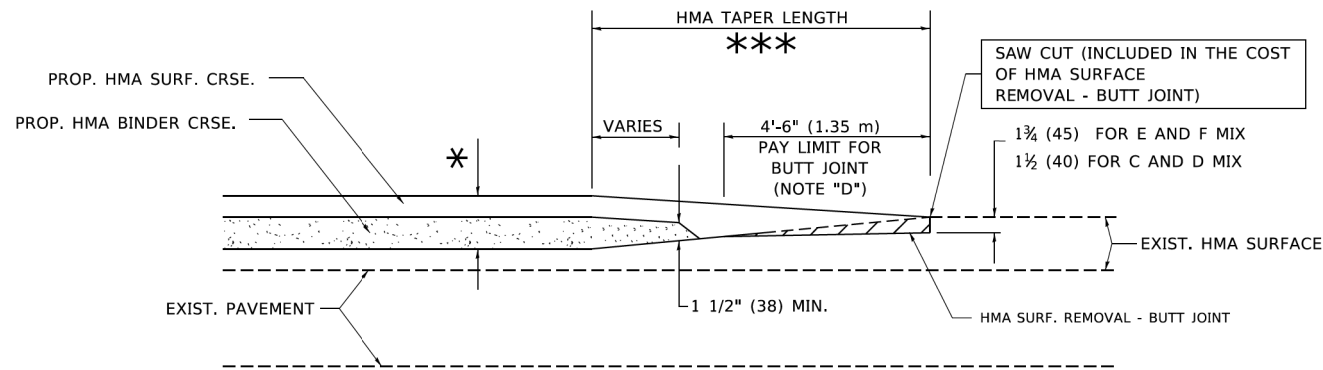
NOTES

- 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
FILE: M:\miller_p\p1010101\DOT Documents\DOT Offices\District 1\Projects\DH5427231\CADD\ba\CADsheets\B32.dgn

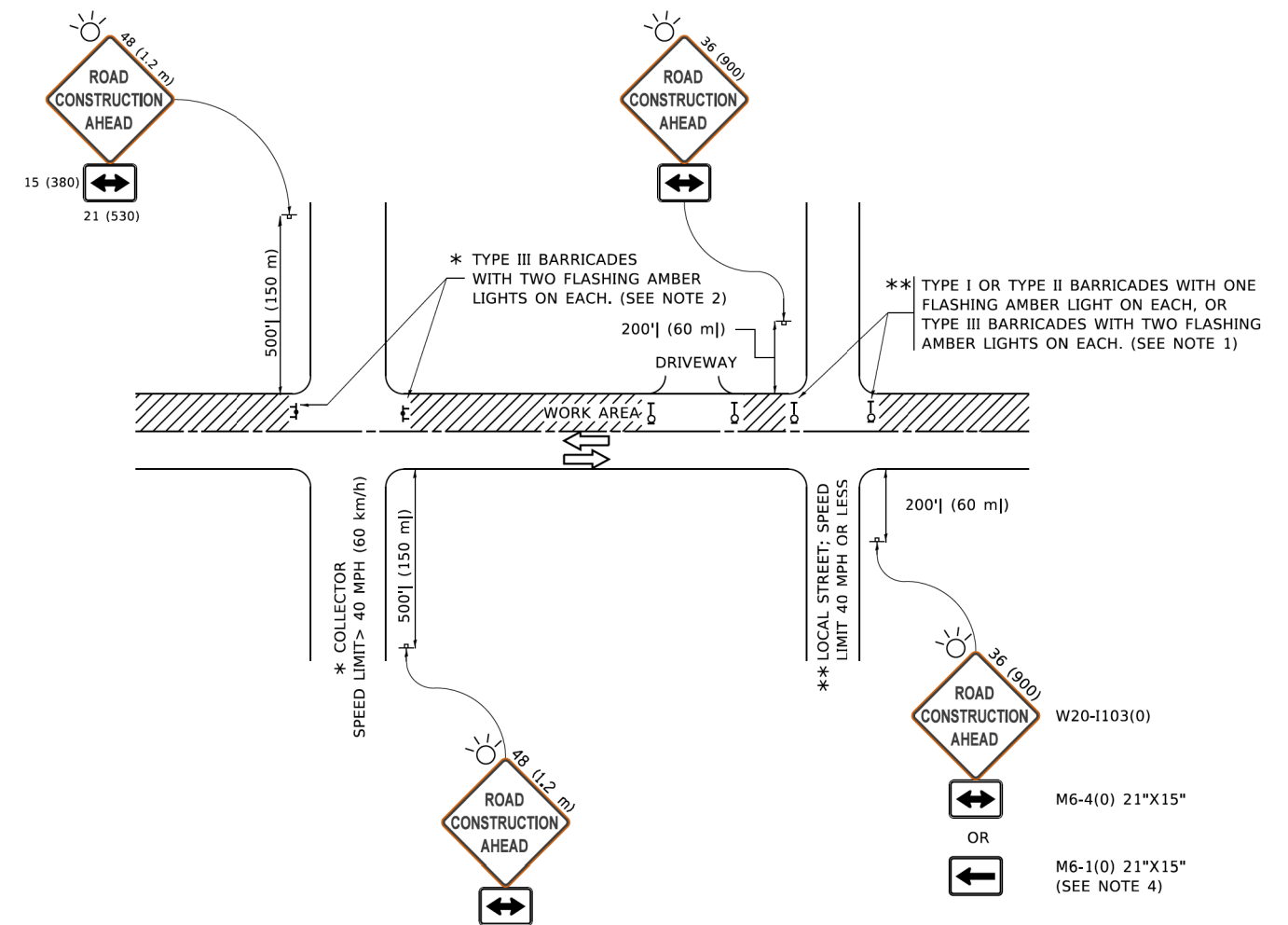
USER NAME = footemj	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 3/27/2019	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R.BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	46
BD400-05 BD32		CONTRACT NO. 61H35		
ILLINOIS FED. AID PROJECT				



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: Default
FILE NAME: p:\110847E\BID\NTEG\Illinois.gov\PIV\DOT\Documents\DOT_Offices\Dist\ctc_1\Projects\Sub\5273-2a\CADD\at\Cadd\sheet\ctc1.dgn

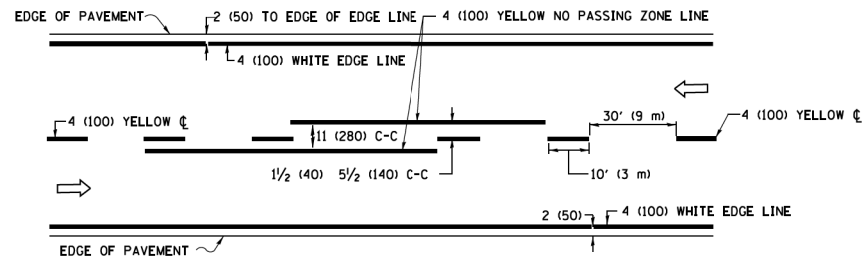
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

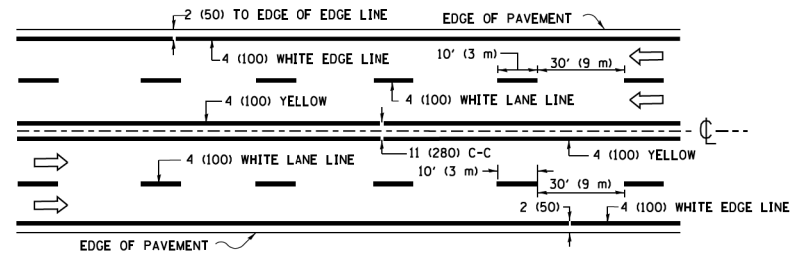
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

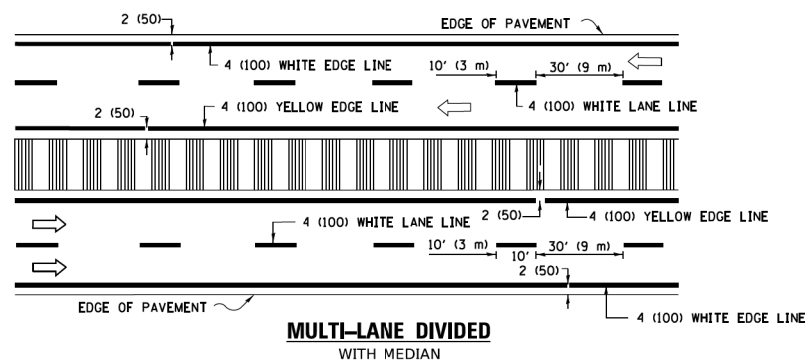
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00325-00-PK	KANE	48	47
TC-10			CONTRACT NO. 61H35	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

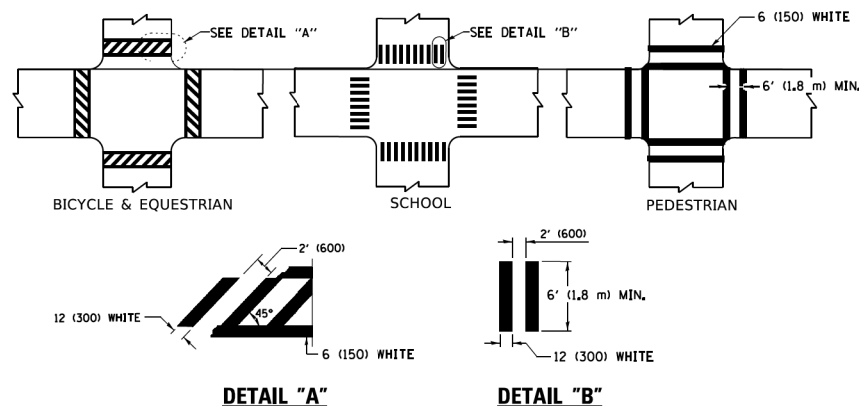


MULTI-LANE UNDIVIDED



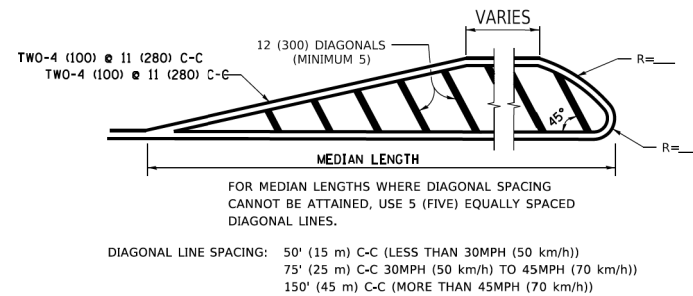
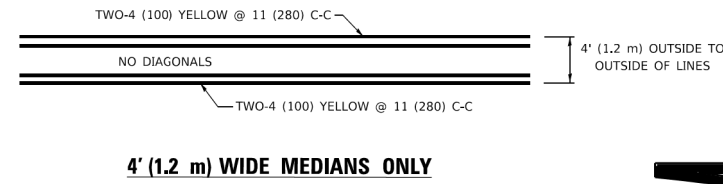
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

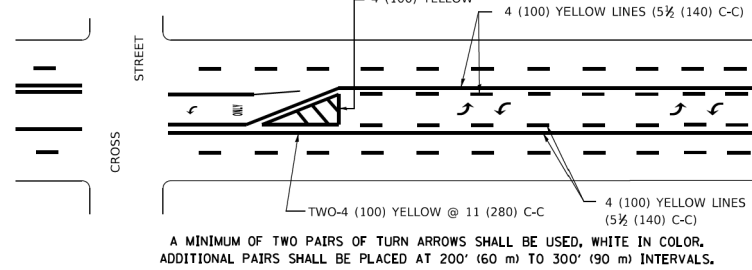


TYPICAL CROSSWALK MARKING

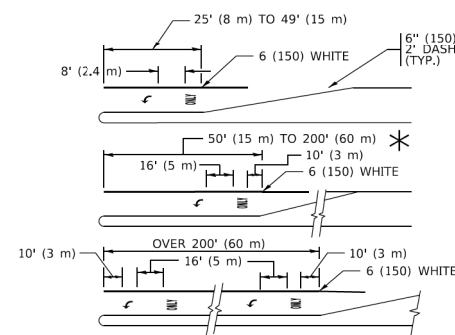
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



MEDIANS OVER 4' (1.2 m) WIDE



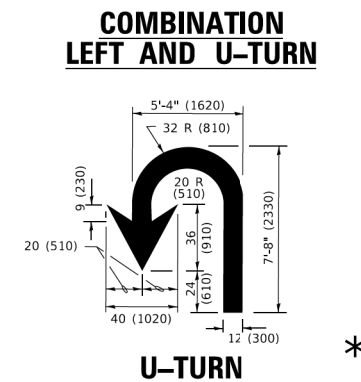
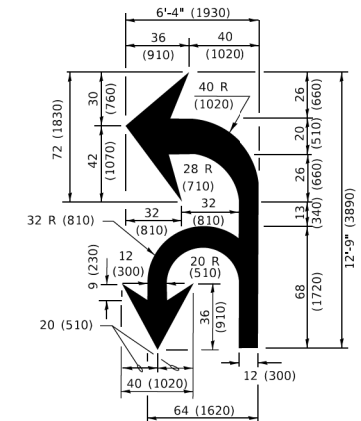
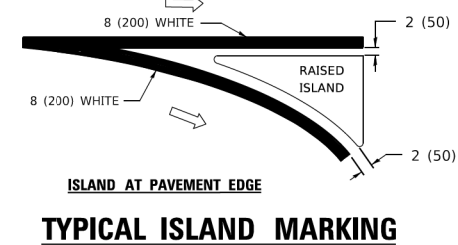
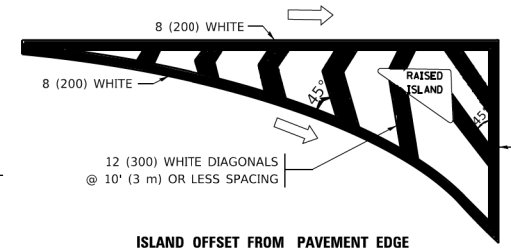
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

MODEL: Default
FILE: N:\aurore\200106\Civil\1\DI_04_TC-13_200106.SHT
PROJECTS:\DMS\2023\23-CAD\DATA\CADsheets\13.dwg

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000" / 1"	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE		SHEET 1 OF 2 SHEETS		STA.	TO STA.
DISTRICT ONE TYPICAL PAVEMENT MARKINGS					
F.A. RTE. N/A	SECTION 18-00325-00-PK	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 48	
TC-13			CONTRACT NO. 61H35		
ILLINOIS FED. AID PROJECT					