

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PROPOSED  
 HIGHWAY PLANS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS	McHenry	31	1
		ILLINOIS	CONTRACT NO. 61K43	

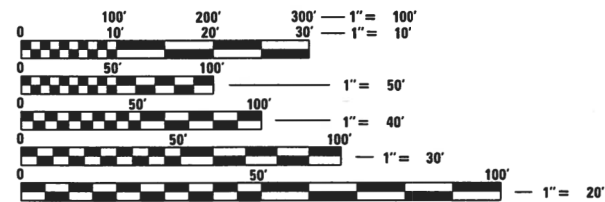
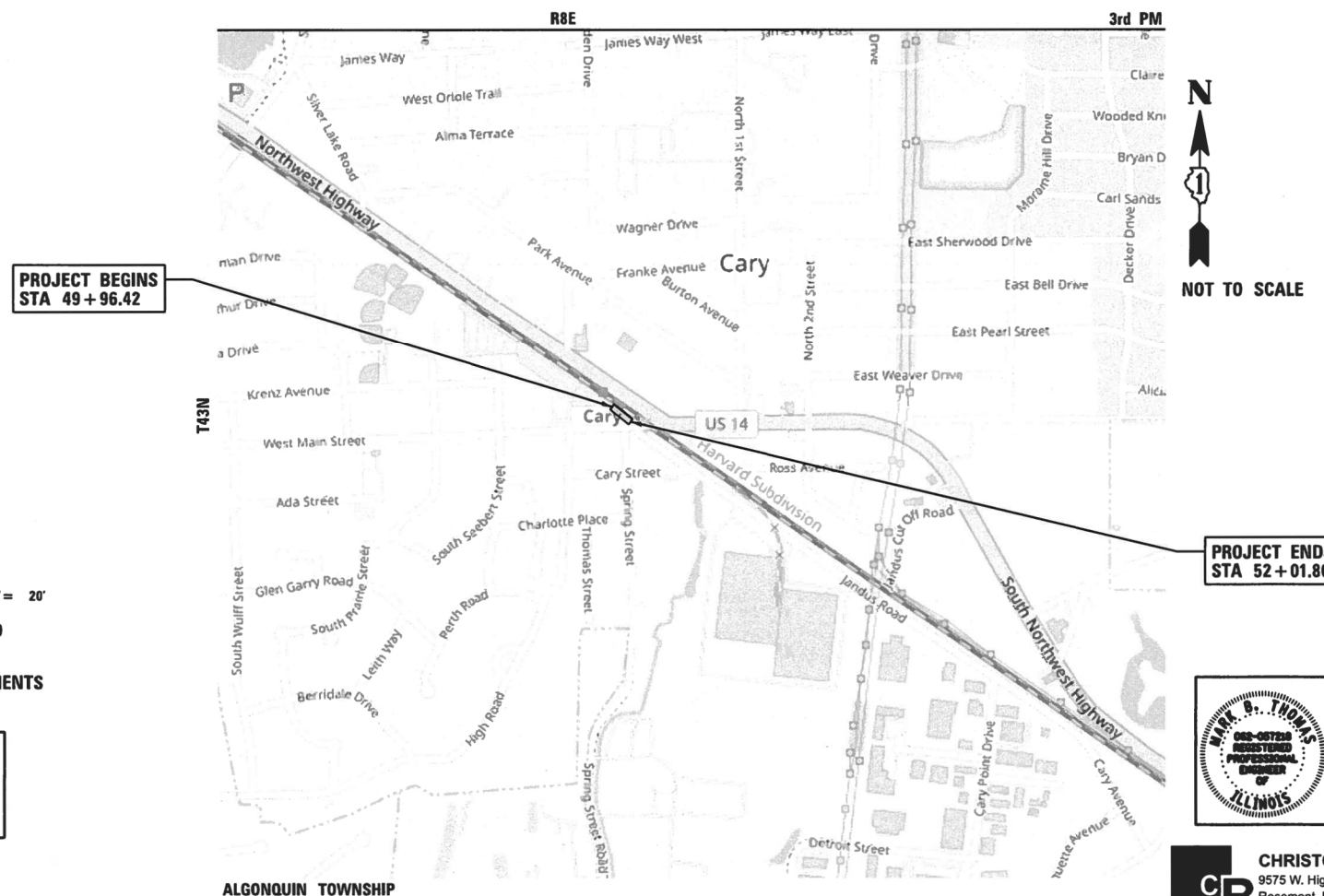
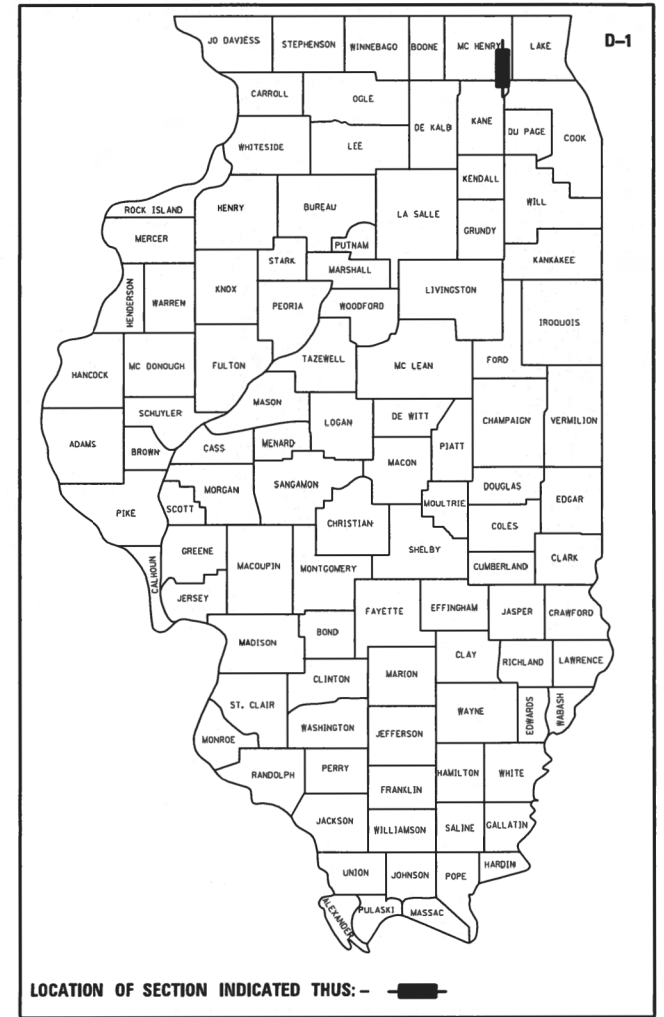
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS  
 SEE SHEET 2

THIS PROJECT PASSES THROUGH:  
 VILLAGE OF CARY

TRAFFIC DATA  
 MAIN STREET  
 FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR  
 ADT=5,450 VEHICLES PER DAY (2021)  
 30 MPH POSTED SPEED

FAU ROUTE 4056  
 SECTION NO: 22-00074-00-MS  
 DOWNTOWN CARY GATEWAY PLAZA  
 PLAZA IMPROVEMENTS  
 VILLAGE OF CARY, MCHENRY COUNTY  
 PROJECT NO: UVF1(225)  
 JOB NO: C-91-199-24



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

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

PROJECT ENDS  
 STA 52+01.86

PROJECT BEGINS  
 STA 49+96.42

**MARK B. THOMAS**  
 REGISTERED PROFESSIONAL ENGINEER  
 OF ILLINOIS  
 DATE: 03/28/2023  
 MARK B. THOMAS  
 ILLINOIS REGISTRATION No. 062-057218  
 EXPIRATION DATE: 11/30/2025

**CB** CHRISTOPHER B. BURKE ENGINEERING, LTD.  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

APPROVED *Kealan Noonan* 2/29/2024  
 DIRECTOR OF PUBLIC WORKS AND ENGINEERING  
 VILLAGE OF CARY

PASSED *Mark B. Thomas*  
 CEFRAL  
 DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID  
 BASED ON LIMITED  
 REVIEW *John R. IR* 2/25/2024  
 REGIONAL ENGINEER

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

GROSS LENGTH = 205 FT. = 0.038 MILE  
 NET LENGTH = 205 FT. = 0.038 MILE

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, ILLINOIS

# GENERAL NOTES

**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 LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE "DETAILS" IN THE PLANS, ROLLING MEADOWS ENGINEERING DETAILS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- IN THE GENERAL NOTES, ALL REFERENCES TO ENGINEER SHALL BE INTERPRETED AS THE RESIDENT ENGINEER, AND ALL REFERENCES TO VILLAGE AND TO OWNER SHALL BE INTERPRETED AS THE VILLAGE OF CARY.

**STAKING**

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, ITS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
- PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.

**UTILITIES**

- PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER, AND CABLE TELEVISION FACILITIES. 48 HOURS NOTIFICATION IS REQUIRED.
- THE VILLAGE WILL LOCATE EXISTING SANITARY AND WATER SERVICES TO THE INDIVIDUAL RESIDENCES WITHIN THE PROJECTS LIMITS. THESE SERVICES WILL BE LOCATED ONE TIME ONLY. FROM THEN ON THE CONTRACTOR SHALL DOCUMENT AND BE RESPONSIBLE FOR MAINTAINING KNOWLEDGE OF THE LOCATIONS OF THESE SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AS-BUILT KNOWLEDGE OF THE LOCATION (INCLUDING ELEVATIONS) OF THE NEWLY INSTALLED SERVICES AND MAINS. THE VILLAGE WILL NOT BE RESPONSIBLE FOR LOCATING NEW MAINS OR SERVICES FOR THE CONTRACTOR. THIS IS IN EFFECT UNTIL FINAL PAYMENT FROM THE VILLAGE. FOR THE DURATION OF THE CONTRACT, THE CONTRACTOR SHALL MAKE THE AS-BUILT UNDERGROUND UTILITY INFORMATION AVAILABLE TO THE VILLAGE WHENEVER REQUESTED. IN THE EVENT OF A "JULIE" CALL WITHIN THE PROJECT LIMITS, THE VILLAGE OR ITS AGENT WILL NOTIFY THE CONTRACTOR TO MARK ANY UTILITIES STILL UNDER THE CONTRACTORS RESPONSIBILITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE VILLAGE.
- THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH THE VILLAGE MAY WANT TO HAVE PLACED DURING THE CONTRACTOR'S OPERATIONS.
- ALL FRAMES WITH SELF SEALING CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLES, CATCH BASIN, INLET, VALVE VAULT, OR METER VAULT SHALL HAVE CAST INTO THE LID "VILLAGE OF CARY" AND ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM". ALL LIDS TO BE USED ON SANITARY SEWER STRUCTURES SHALL BEAR THE WORD "SANITARY". ALL LIDS TO BE USED ATER SYSTEM STRUCTURES SHALL BEAR THE WORD "WATER". ALL CURB BOXES SHALL SAY "DUMP NO WASTE!" OR "DRAINS TO RIVERS" OR SIMILAR.
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.
- ALL AUXILIARY VALVES, FRAMES, GRATES, LIDS AND WATER SERVICE BOXES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONSTRUCTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

**STORM & SANITARY SEWER**

- 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. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE.
- ALL ABANDONED PIPE AND STRUCTURE INVERTS SHALL BE PLUGGED WITH BRICK AND MORTAR TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON MANHOLES.
- RIM ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED.

**PAVING AND CURB & GUTTER**

- THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, AND SIDEWALK AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

**EROSION AND SEDIMENT CONTROL**

- PRIOR TO BEGINNING ANY REMOVAL ITEMS, CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL EXISTING OPEN LIDDED DRAINAGE STRUCTURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL NOT DISTURB LANDSCAPED AREAS OUTSIDE OF THE IMPROVEMENT LIMITS.
- UPON COMPLETION OF PROJECT, AT DIRECTION OF ENGINEER, CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS.

**TREE REMOVAL, CLEARING AND HEDGE REMOVAL**

- ALL TREES ARE DESIGNATED TO BE SAVED UNLESS OTHERWISE NOTED ON THE PLANS, AND SHALL BE PROTECTED IN ACCORDANCE WITH THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.

**MISCELLANEOUS**

- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC 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.
- THE CONTRATOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH METRA AT LEAST 3 WEEKS IN ADVANCE OF ANY CONSTRUCTION MOBILIZATION THAT COULD IMPACT THE METRA PLATFORM OR TRAIN OPERATIONS. CONTACT KATIE DOTE AT 312-322-3783 (KDOTE@METRARR.COM).
- 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.
- PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT.
- ALL PEDESTRIAN ROUTES CONSTRUCTED AS PART OF THIS PROJECT SHALL BE ADA COMPLIANT.
- DEPRESSED CURBS ACCESSIBLE TO THE HANDICAPPED SHALL BE PROVIDED AS SHOWN IN THE PLANS. THE TRANSITION FROM FULL HEIGHT CURB TO DEPRESSED CURB WILL BE AS SHOWN IN PLANS AND HIGHWAY STANDARDS.
- SIDEWALK RAMPS FOR THE HANDICAPPED SHALL BE INSTALLED AT ALL INTERSECTING STREETS AT LOCATIONS SHOWN IN THE PLANS PER HIGHWAY STANDARDS.
- ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED OTHERWISE ON THE PLAN.
- MINIMUM CURB HEIGHT OF 3" OUTSIDE OF RAMP/FLARE/DRIVEWAY AREAS.
- THOSE SIGNS WHICH ARE SO DESIGNATED BY THE ENGINEER SHALL BE REMOVED, STORED AND SUBSEQUENTLY RELOCATED BY THE CONTRACTOR. IN ADDITION, ANY SIGNS WHICH ARE DAMAGED DURING CONSTRUCTION OPERATIONS BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO AREAS AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR.

**INDEX OF SHEETS**

1	COVER SHEET
2	GENERAL NOTES, INDEX, AND LISTING OF HIGHWAY STANDARDS
3-7	SUMMARY OF QUANTITIES
8	TYPICAL SECTIONS
9	ALIGNMENTS, TIES AND BENCHMARKS
10	EXISTING CONDITIONS AND REMOVAL PLAN
11	PROPOSED PLAN
12	PROPOSED GRADING PLAN
13	MAINTENANCE OF TRAFFIC
14-15	CONSTRUCTION DETAILS
16-22	LANDSCAPE PLANS
23-31	LIGHTING PLANS

**HIGHWAY STANDARDS**

000001 - 08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001 - 11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011 - 04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
606001 - 08	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
701311 - 03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501 - 06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801 - 06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901 - 09	TRAFFIC CONTROL DEVICES
720001 - 01	SIGN PANEL MOUNTING DETAILS
720006 - 04	SIGN PANEL ERECTION DETAILS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
729001 - 01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)

**DISTRICT ONE DETAILS**

NONE

**COMMITMENTS**

NONE

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DOWNTOWN CARY GATEWAY PLAZA GENERAL NOTES, INDEX AND LISTING OF HIGHWAY STANDARDS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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ILLINOIS FED. AID PROJECT												

SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004
	20200100	EARTH EXCAVATION	CU YD	65	65
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	200	200
	20800150	TRENCH BACKFILL	CU YD	2	2
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	580	580
	25200200	SUPPLEMENTAL WATERING	UNIT	3	3
	28000510	INLET FILTERS	EACH	4	4
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	200	200
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	832	832
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	67	67
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	51	51
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	76	76
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6097	6097
	42400800	DETECTABLE WARNINGS	SQ FT	48	48
	44000100	PAVEMENT REMOVAL	SQ YD	252	252
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	676	676
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	256	256

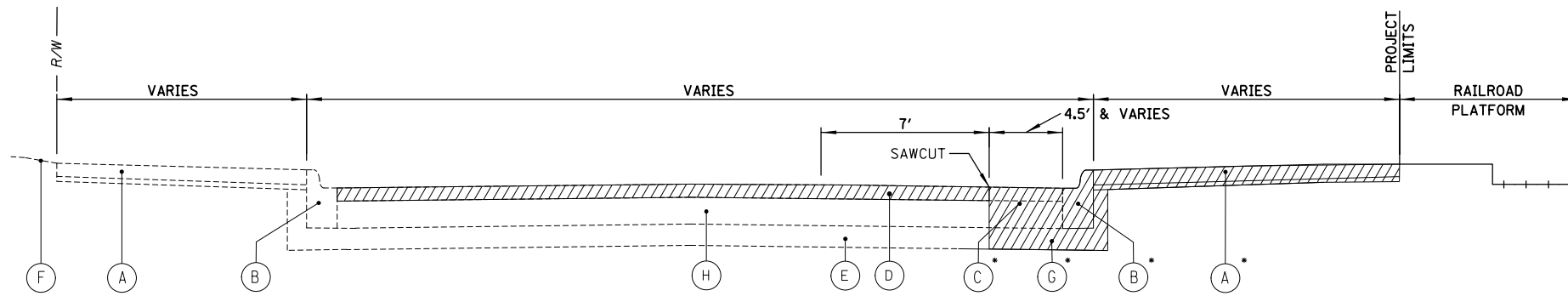




SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004
Δ	81028300	UNDERGROUND CONDUIT, PVC, 1/2" DIA.	FOOT	60	60
Δ	81028310	UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	720	720
Δ	81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	190	190
Δ	81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	315	315
Δ	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4175	4175
Δ	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2	2
Δ	84200804	REMOVAL OF POLE FOUNDATION	EACH	2	2
Δ	A2008020	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4
Δ	C2009250	SHRUB, ROSA RADTKO (DOUBLE KNOCKOUT ROSE), 18" HEIGHT, CONTAINER GROWN 3-GALLON	EACH	3	3
Δ	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	2	2
Δ	K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	1	1
Δ	K0029642	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	GALLON	1	1
	X0321158	PARK BENCHES	EACH	3	3
	X0326806	WASHOUT BASIN	L SUM	1	1
Δ	X0327779	GAS UTILITY SERVICE CONNECTION	L SUM	1	1
	X0327997	TRASH RECEPTACLES	EACH	2	2

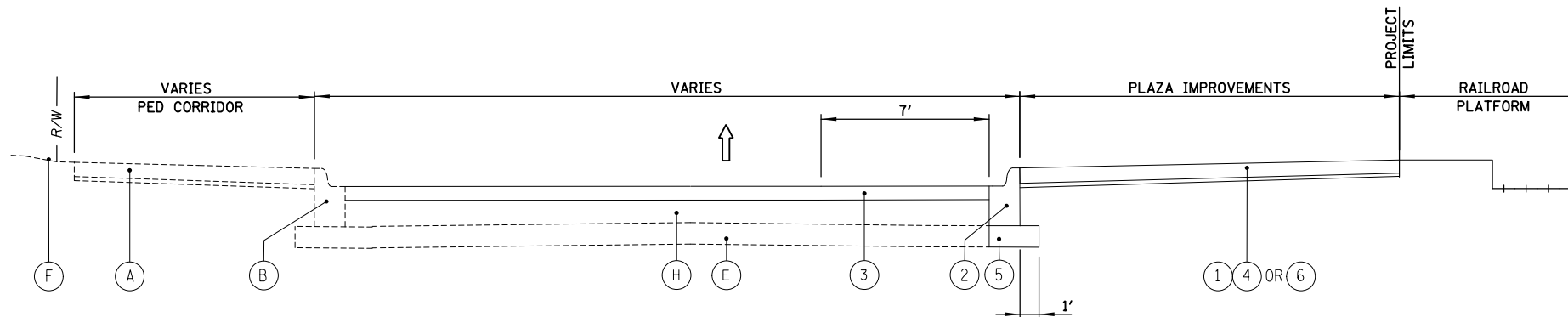
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004
	X0539800	TREE GRATES	EACH	3	3
	X0540000	BRICK PAVERS	SQ FT	1384	1384
Δ	X1400431	LIGHTING ASSEMBLY (SPECIAL)	EACH	1	1
Δ	X1800003	PLANTING SOIL MIX FURNISH AND PLACE	CU YD	1	1
Δ	X2110100	TOPSOIL FURNISH AND PLACE, (SPECIAL)	CU YD	5	5
Δ	X2200018	ORNAMENTAL FENCE	FOOT	184	184
	X6061700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT	166	166
	X6640206	TEMPORARY CHAIN LINK FENCE, 6'	FOOT	490	490
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
Δ	X8360210	LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	28	28
Δ	X8360110	LIGHT POLE FOUNDATION (SPECIAL)	FOOT	40	40
Δ	XX007338	RPZ ASSEMBLY, 1"	EACH	1	1
Δ	XX007398	ELECTRICAL WORK COMPLETE - GATEWAY MONUMENT	L SUM	1	1
	XX007459	STONE WALL - DOUBLE SIDED	FOOT	52	52
	XX007460	STONE PIER	EACH	2	2
Δ	XX008367	DECORATIVE LIGHTING UNIT, TYPE "D1"	EACH	4	4

SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004
Δ	XX008368	DECORATIVE LIGHTING UNIT, TYPE "D2"	EACH	4	4
	XX008441	BICYCLE RACKS, TYPE 1	EACH	5	5
Δ	XX009045	DRINKING FOUNTAIN	EACH	1	1
	XX009334	BICYCLE REPAIR STATION	EACH	1	1
	XX009477	COMMUTER SHELTER	EACH	1	1
Δ	XX009591	LANDSCAPING PLANTER	EACH	4	4
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	Z0019500	DRYWELL	EACH	1	1
Δ	Z0033024	MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1	1
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
	XX009629	BRICK COLUMN	EACH	2	2
	XX009630	MOVABLE PLANTER	EACH	2	2
Δ	XX009631	OUTDOOR FIREPLACE	LSUM	1	1
	XX009632	RELOCATE PUMP HOUSE	LSUM	1	1



\* CURB AND SIDEWALK REMOVAL WHERE INDICATED ON PLANS

### EXISTING TYPICAL SECTION



### PROPOSED TYPICAL SECTION

#### HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @NDENES	QMP
<b>RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	LR-1030-2
<b>CLASS D PATCHES</b>		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.	LR-1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQYD/IN.

HMA SHALL BE MILLED PRIOR TO PAVEMENT PATCHING

#### LEGEND

- (A) EX SIDEWALK
  - (B) EX CONC CURB AND GUTTER
  - (C) PAVEMENT REMOVAL
  - (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
  - (E) EXISTING AGGREGATE ON EARTH BASE
  - (F) EXISTING TURF
  - (G) EARTH EXCAVATION
  - (H) EXISTING HMA PAVEMENT
  - (1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
  - (2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12 (PAID FOR AS COMBINATION CONC CURB AND GUTTER, TYPE B (SPECIAL))
  - (3) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2 INCH
  - (4) AGGREGATE BASE COURSE, TYPE B, 4"
  - (5) AGGREGATE BASE COURSE, TYPE B, 6"
  - (6) BRICK PAVER SIDEWALK ON RIGID BASE OR RAISED PLANTER BOX OR TREE GRATE IN THICKENED SLAB
- /// REMOVAL
- ➔ DIRECTION OF VEHICULAR FLOW

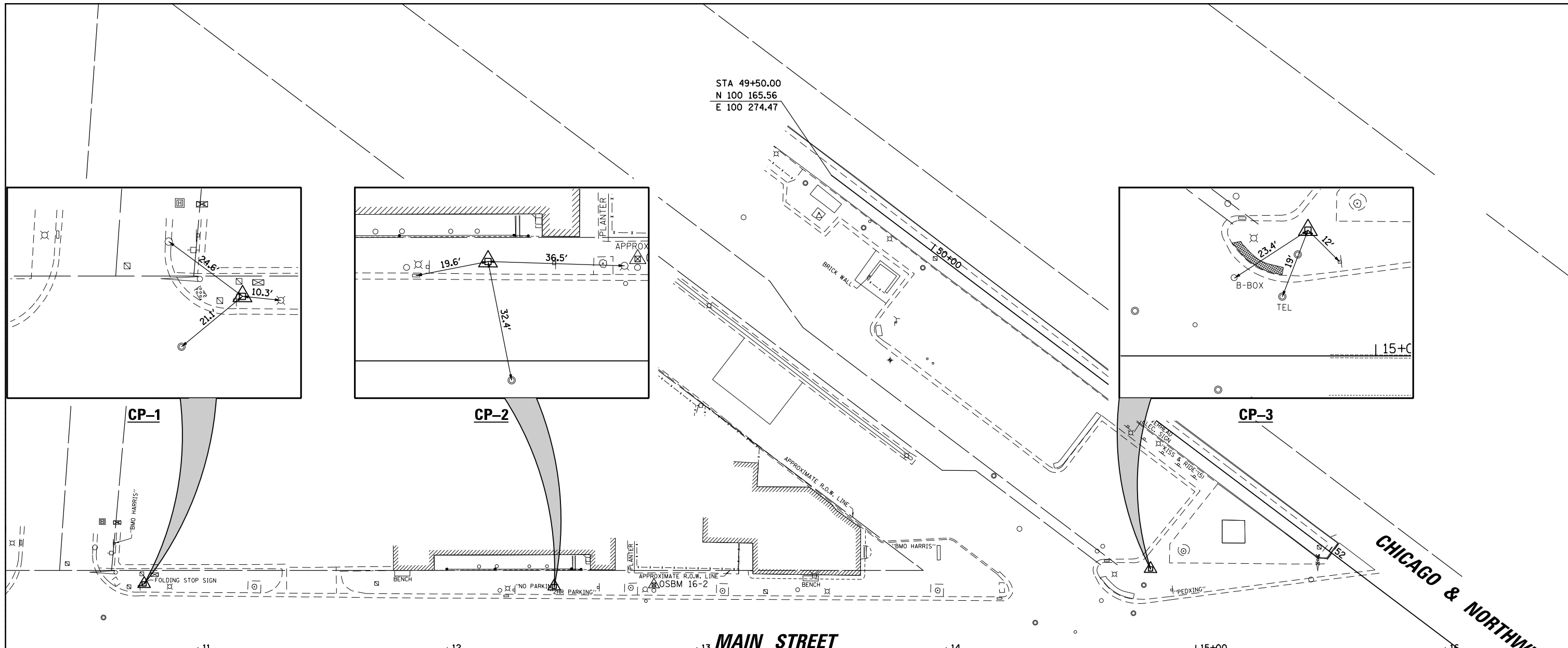
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Default	PLOT SCALE = 3/4"	CHECKED -	REVISED -
	PLOT DATE = 4/23/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DOWNTOWN CARY GATEWAY PLAZA  
TYPICAL SECTIONS

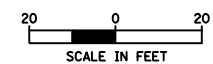
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS	MCHENRY	31	8
			CONTRACT NO. 61K43	
ILLINOIS FED. AID PROJECT				



HORIZONTAL CONTROL POINTS					
POINT NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION	STATION	OFFSET
1	100,000.00	100,000.00	CP-XCUT	10+78.46	27.58' LT
2	100,000.00	100,164.36	CP-XCUT	49+60.71	198.55' RT
3	100,008.53	1000,403.37	CP-XCUT	51+47.20	48.82' RT

ELEVATION BENCHMARKS DATUM:NAVD '88 GPS OBSERVED		
NO.	DESCRIPTION	ELEV.
OSBM 16-50	SOUTHWEST TAG BOLT OF HYDRANT @ MAIN ST.	813.48
OSBM 16-2	NORTHEAST FLANGE BOLT OF HYDRANT EAST OF BMO HARRIS BANK ON NORTH SIDE OF MAIN ST.	816.54
OSBM 16-3	SE BOLT OF MAST ARM @ NORTHWEST CORNER OF MAIN STREET AND HIGH STREET	819.54



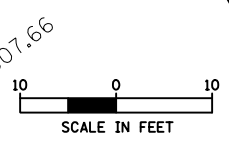
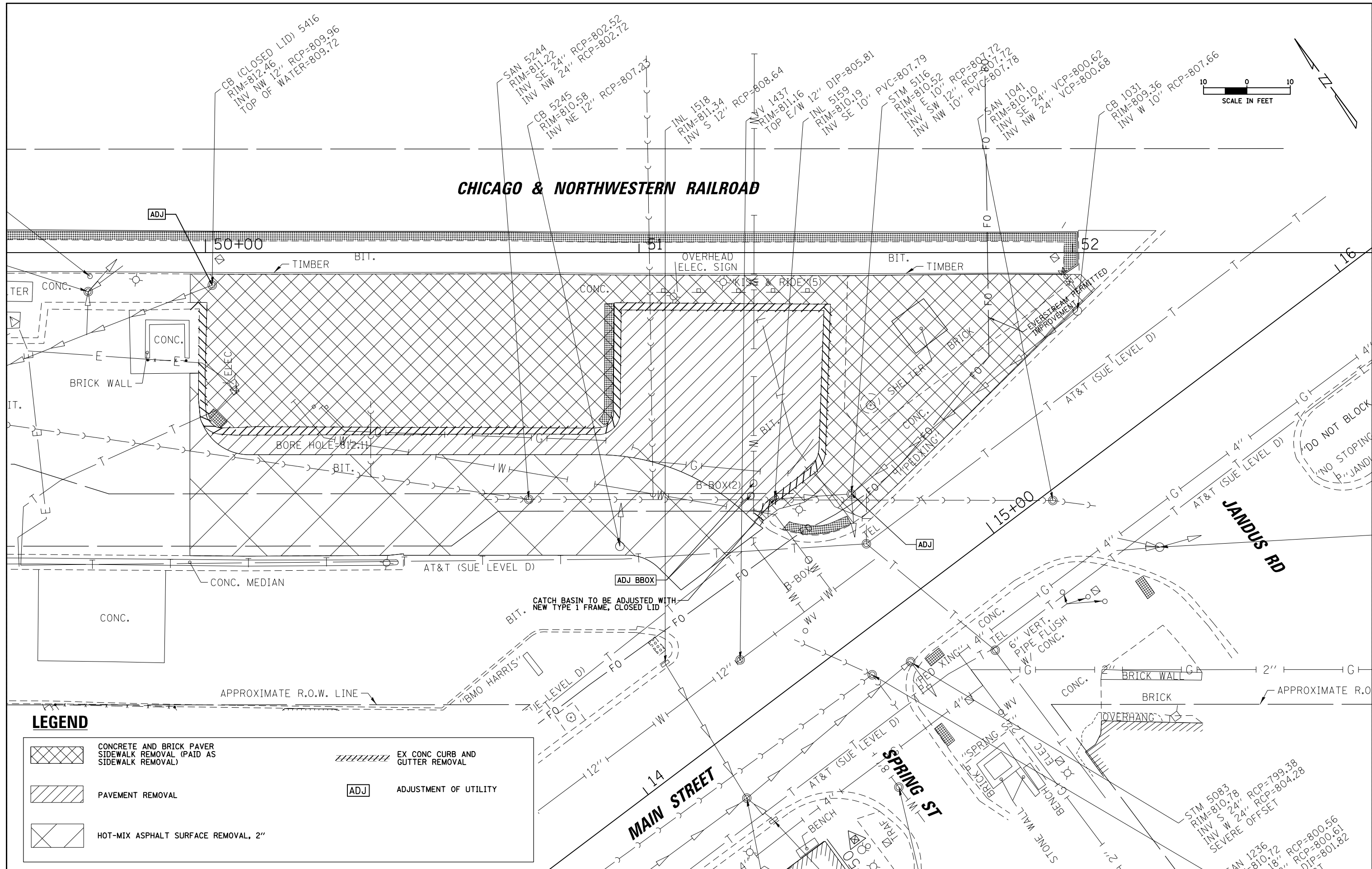
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	PLOT DATE = 4/23/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DOWNTOWN CARY GATEWAY PLAZA  
ALIGNMENT, TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS	MCHENRY	31	9
			CONTRACT NO. 61K43	
ILLINOIS FED. AID PROJECT				



**LEGEND**

	CONCRETE AND BRICK PAVER SIDEWALK REMOVAL (PAID AS SIDEWALK REMOVAL)		EX CONC CURB AND GUTTER REMOVAL
	PAVEMENT REMOVAL		ADJUSTMENT OF UTILITY
	HOT-MIX ASPHALT SURFACE REMOVAL, 2"		

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

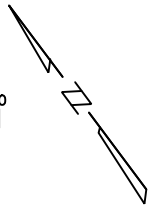
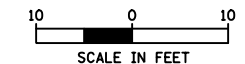
**DOWNTOWN CARY GATEWAY PLAZA  
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS	MCHENRY	31	10
CONTRACT NO. 61K43			ILLINOIS FED. AID PROJECT	

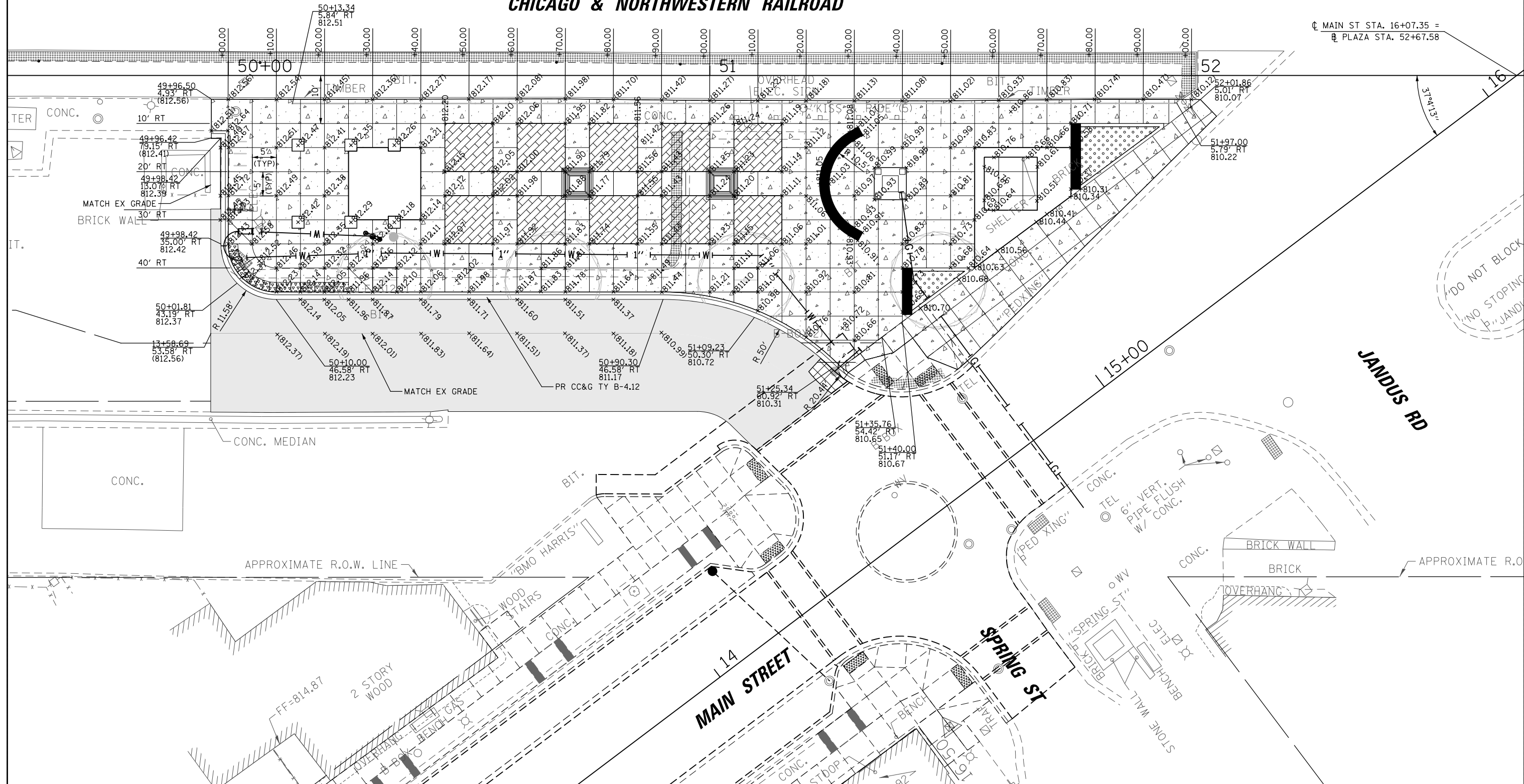






**CHICAGO & NORTHWESTERN RAILROAD**

☐ MAIN ST STA. 16+07.35 =  
 ☐ PLAZA STA. 52+67.58



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

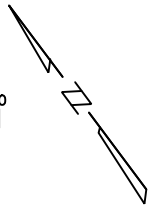
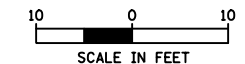
**DOWNTOWN CARY GATEWAY PLAZA  
 PROPOSED GRADING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS	MCHENRY	31	12
CONTRACT NO. 61K43				

ILLINOIS FED. AID PROJECT





TEMPORARY CHAIN LINK FENCE SHALL BE CONSTRUCTED AND MAINTAINED TO SEPARATE WORK AREA AND EXISTING PLATFORM

METRA ELECTRONIC SIGN TO REMAIN IN PLACE AND BE PROTECTED AND MAINTAINED DURING CONSTRUCTION

**CHICAGO & NORTHWESTERN RAILROAD**

50+00

51

52

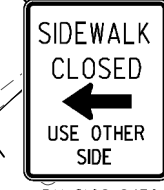
16

TEMPORARY CHAIN LINK FENCE, 6'

WORK AREA

15+00

**JANDUS RD**



W20-1103(0) 48"



W21-1(0) 48"

**NOTES:**

1. THE WORK AREA SHALL BE PROTECTED BY CHAIN LINK FENCE AT ALL TIMES.
2. THE LOCATION OF GATES IN THE TEMPORARY FENCE SHALL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION.
3. THE RESURFACING WORK SHALL BE CONSTRUCTED UNDER HIGHWAY STANDARD 7010501.
4. ALL SIGNAGE TO BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). MAINTENANCE OF TRAFFIC SHOWN IS THE MINIMUM REQUIRED; THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
5. THE CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS TO ADJACENT PROPERTIES THROUGHOUT THE CONTRACT.
6. SEE HIGHWAY STANDARDS FOR SIGN SPACING.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

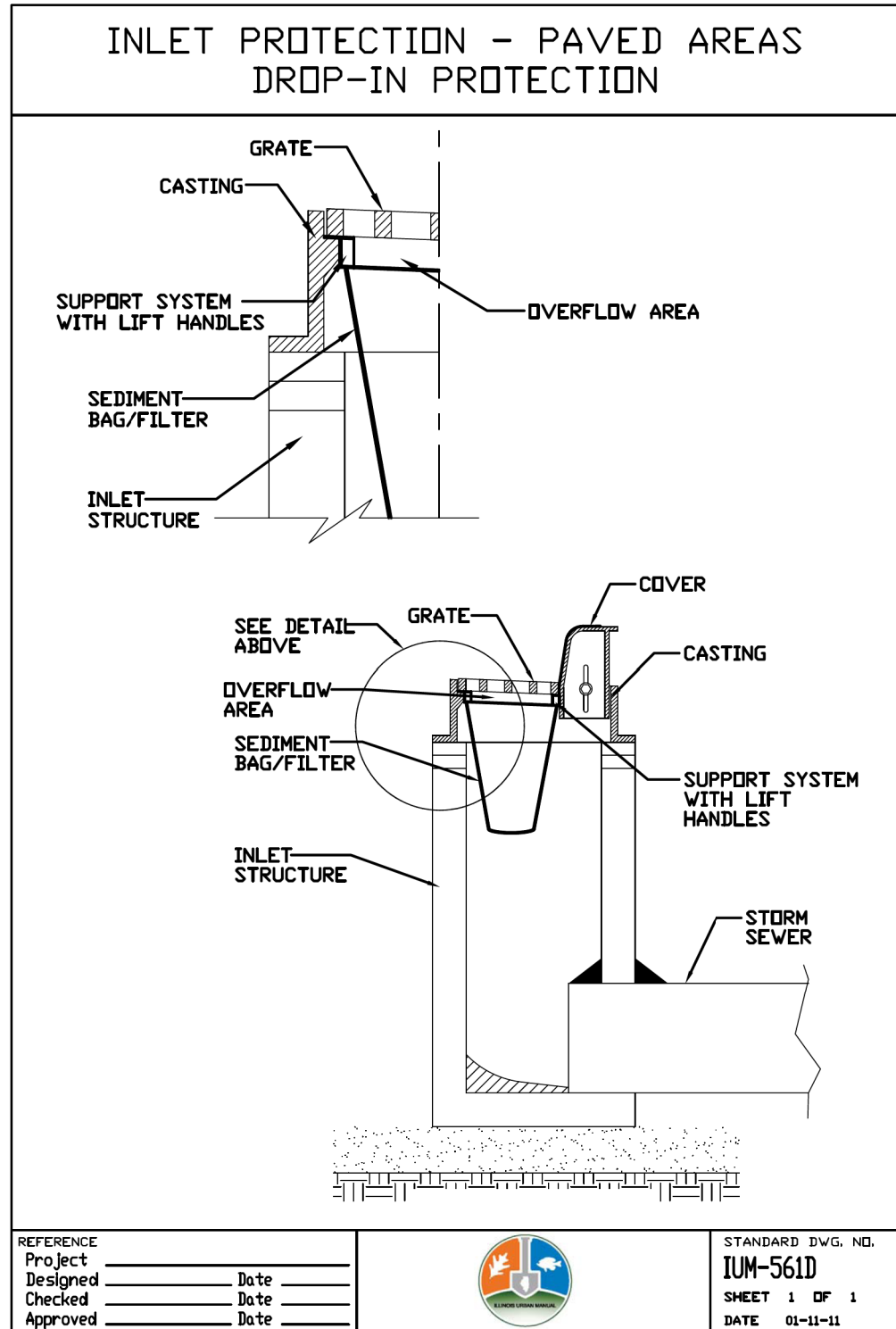
**DOWNTOWN CARY GATEWAY PLAZA  
MAINTENANCE OF TRAFFIC**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS	MCHENRY	31	13
			CONTRACT NO. 61K43	

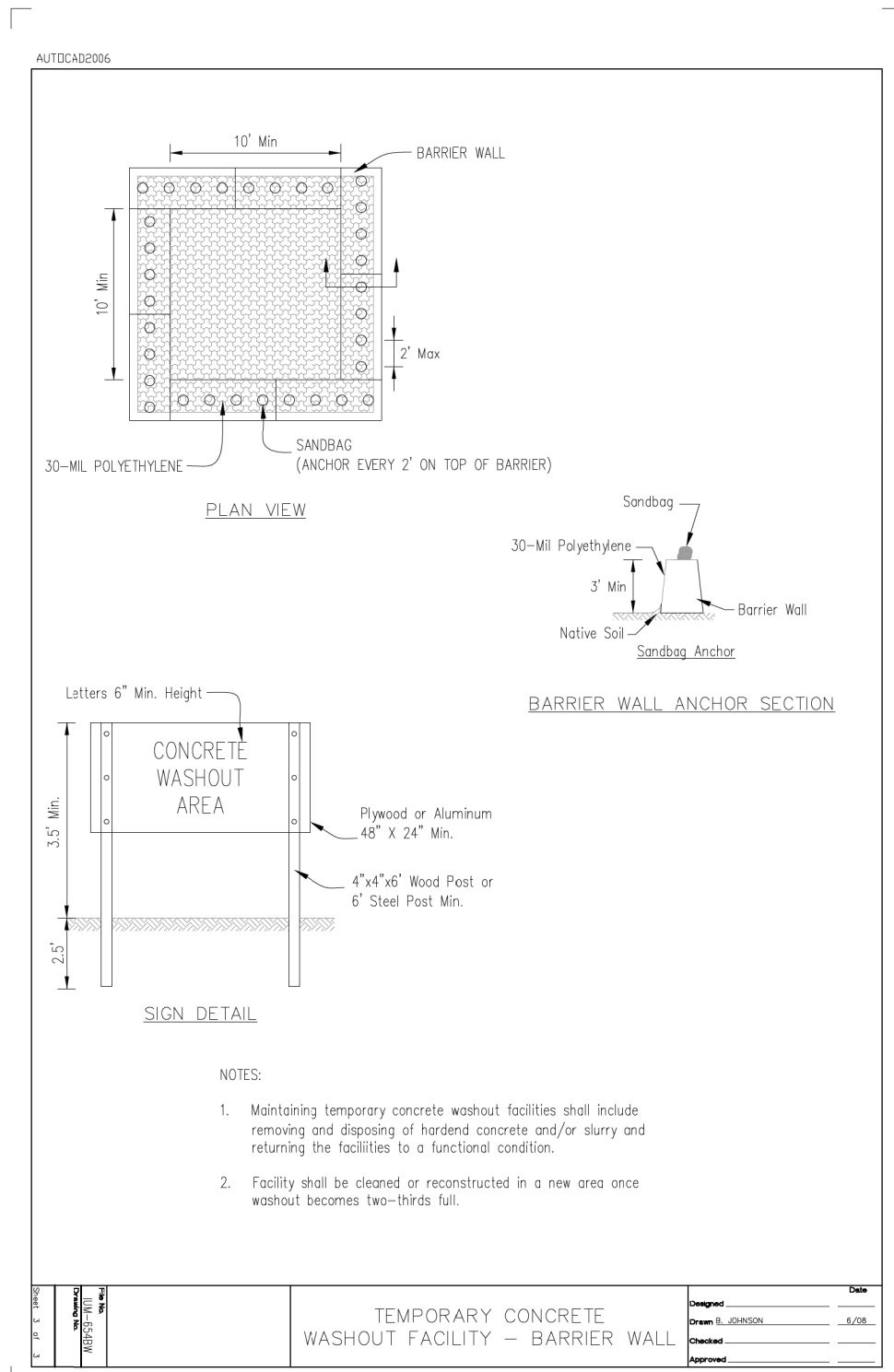
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	PLOT DATE = 4/23/2024	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



**INLET FILTERS**



**WASHOUT BASIN**

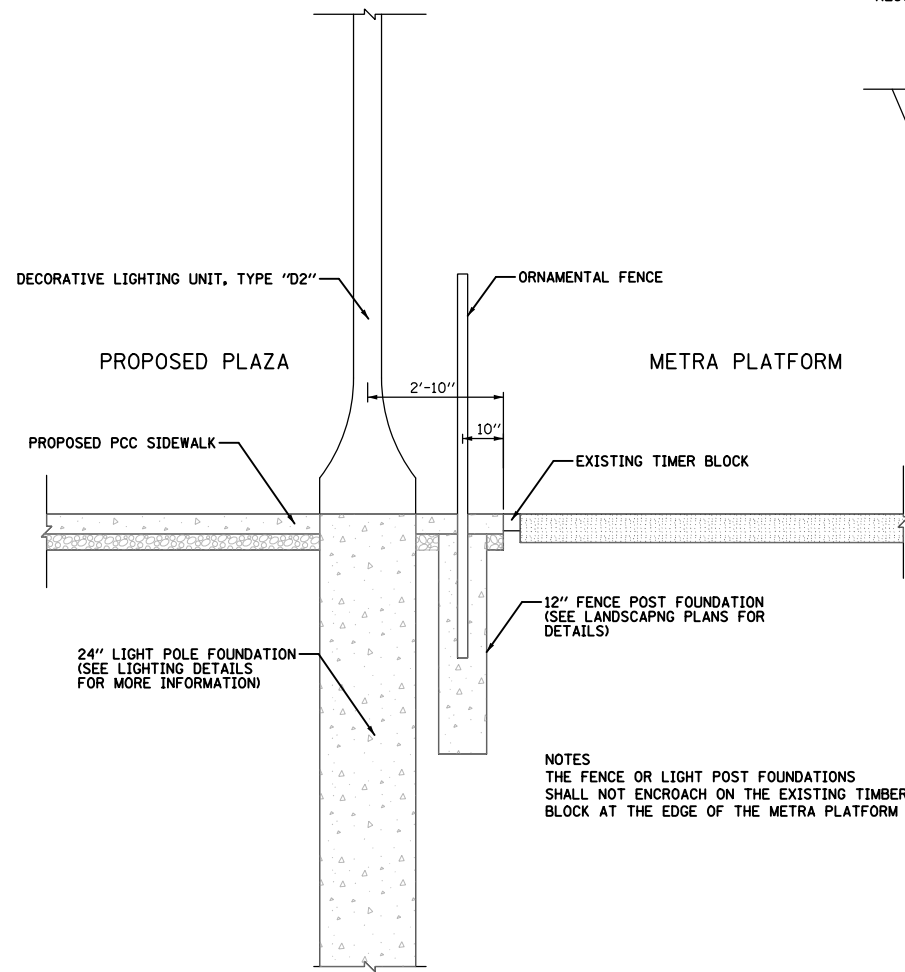
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DOWNTOWN CARY GATEWAY PLAZA  
CONSTRUCTION DETAILS**

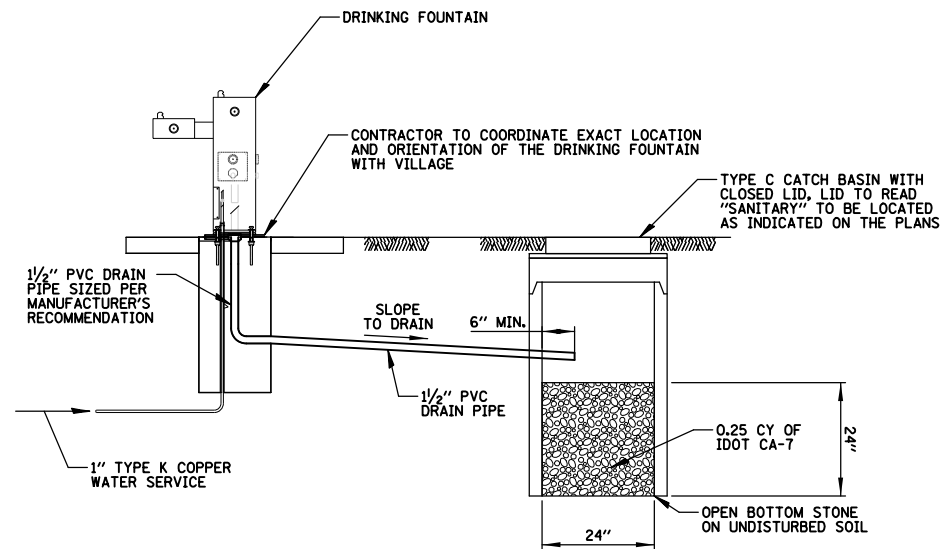
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61K43				
ILLINOIS FED. AID PROJECT				



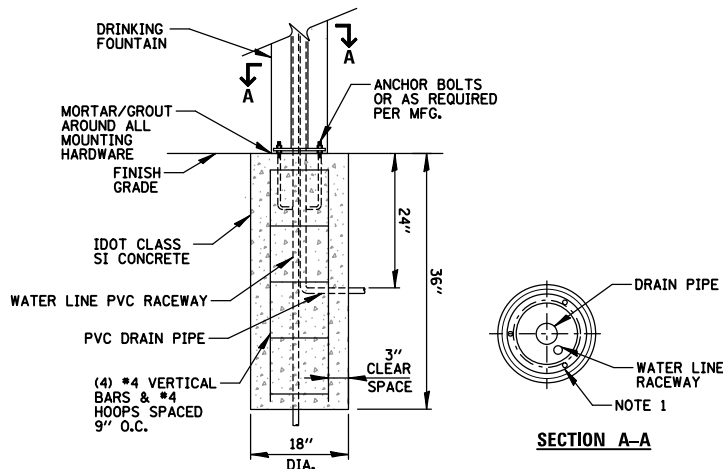
**FENCE AND LIGHTING LAYOUT**  
N.T.S.

NOTES:  
THE FENCE OR LIGHT POST FOUNDATIONS SHALL NOT ENCR OACH ON THE EXISTING TIMBER BLOCK AT THE EDGE OF THE METRA PLATFORM



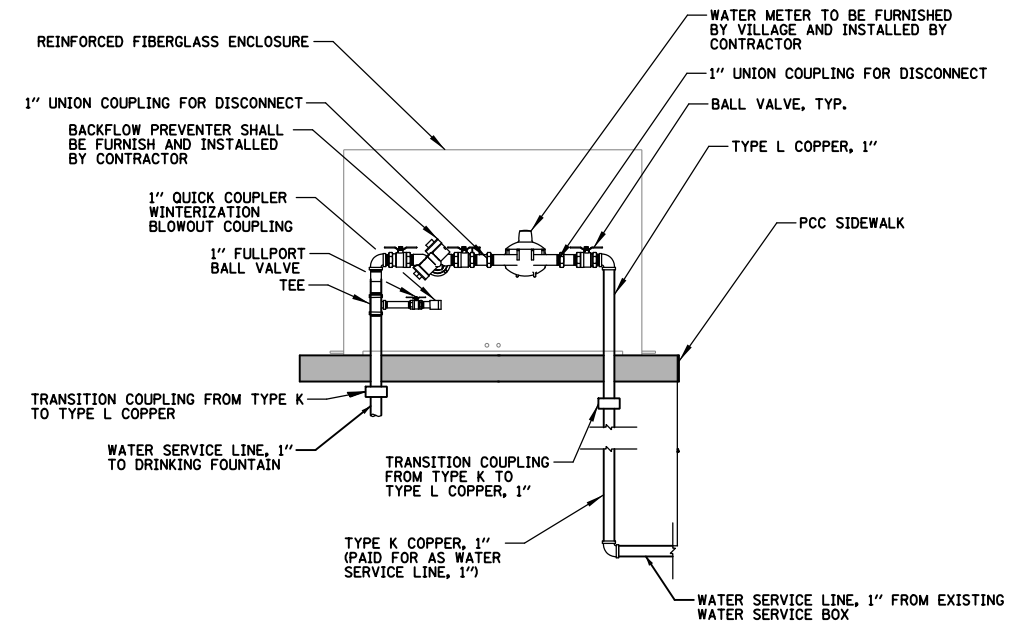
NOTES:  
1. THE PVC DRAIN PIPE, STRUCTURE AND CA-7 WILL BE PAID FOR AS "DRY WELL".

**DRINKING FOUNTAIN DRAIN DETAIL**  
N.T.S.



NOTES:  
1. CONTRACTOR SHALL COORDINATE SIZE AND ORIENTATION OF BOLT CIRCLE, WITH DRINKING FOUNTAIN MANUFACTURER.  
2. THE FOUNDATION WORK SHALL BE INCLUDED IN THE COST OF THE DRINKING FOUNTAIN

**FOUNTAIN CONCRETE FOUNDATION DETAIL**  
N.T.S.



ENCLOSURE	CURB STOP/METER/RPZ/SERVICE PIPE SIZE	SIZE LxWxH (NOTE 3)
ENC #1	1"	39"x13"x28"

NOTES:  
1. EXACT LOCATION OF WATER SERVICES TO BE DETERMINED BY CONTRACTOR.  
2. WATER SERVICE FITTINGS TO CONFORM TO OWNER'S STANDARDS.  
3. ENCLOSURE DIMENSIONS SHOWN ARE APPROXIMATE. ENCLOSURE SHALL BE AS COMPACT AS POSSIBLE. CONTRACTOR TO COORDINATE.  
4. TYPE L COPPER AND ALL APPURTENANCES IN REINFORCED FIBERGLASS ENCLOSURE, INCLUDING TYPE K COPPER TO CONNECT TO ABOVE GRADE KIOSK AND MANIFOLD SHALL BE PAID FOR AS "RPZ ASSEMBLY, 1".

**RPZ ASSEMBLY, 1"**  
N.T.S.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DOWNTOWN CARY GATEWAY PLAZA  
CONSTRUCTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

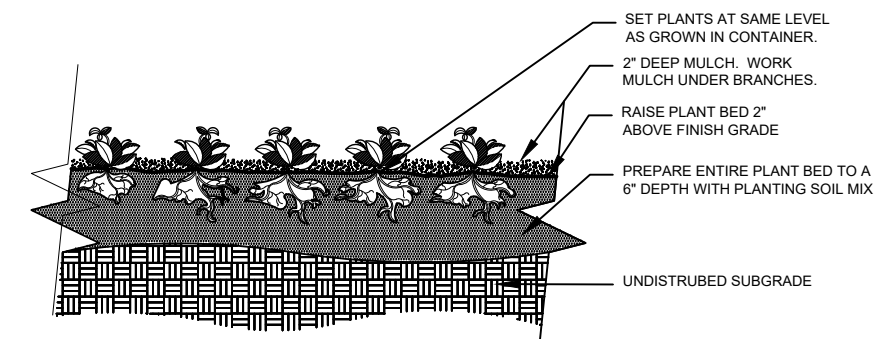
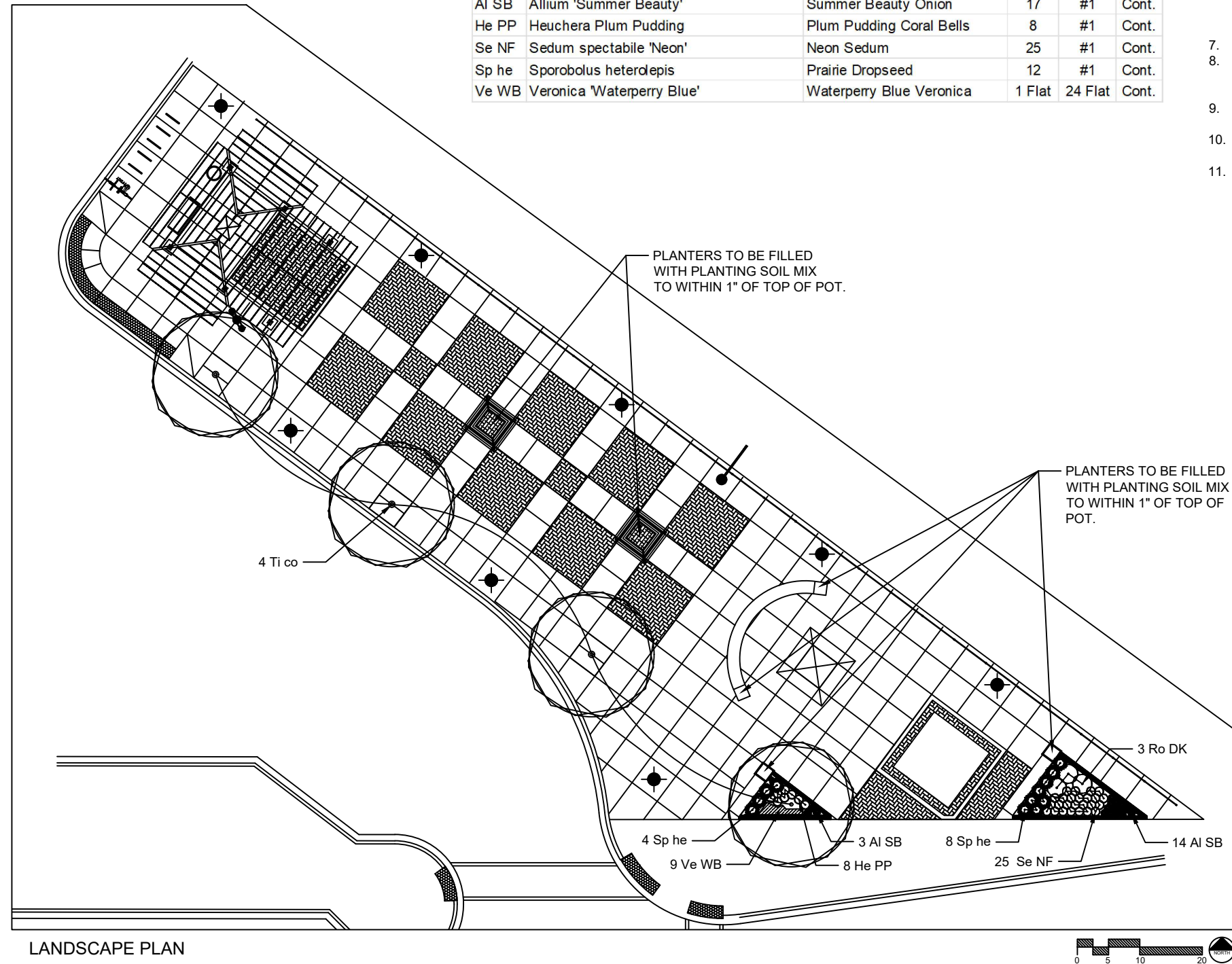
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	22-00074-00-MS	MCHENRY	31	15
			CONTRACT NO. 61K43	
ILLINOIS FED. AID PROJECT				

## PLANT LIST

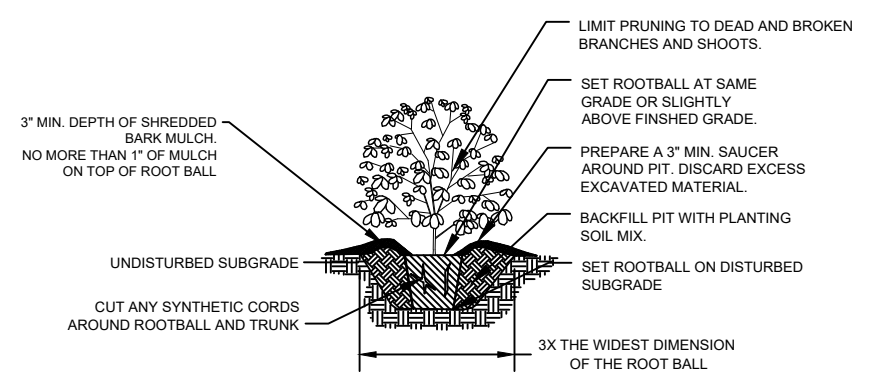
Sym.	Botanical Name	Common Name	Qty.	Size	Cond.
<b>Deciduous Trees</b>					
Ti co	Tilia cordata 'Greenspire'	Greenspire Linden	4	2 1/2"	B & B
<b>Deciduous Shrubs</b>					
Ro DK	Rosa 'Radtkepink'	Double Knock Out Rose	3	#3B	Cont.
<b>Perennials / Grasses</b>					
Al SB	Allium 'Summer Beauty'	Summer Beauty Onion	17	#1	Cont.
He PP	Heuchera Plum Pudding	Plum Pudding Coral Bells	8	#1	Cont.
Se NF	Sedum spectabile 'Neon'	Neon Sedum	25	#1	Cont.
Sp he	Sporobolus heterolepis	Prairie Dropseed	12	#1	Cont.
Ve WB	Veronica 'Waterperry Blue'	Waterperry Blue Veronica	1 Flat	24 Flat	Cont.

### GENERAL CONSTRUCTION NOTES:

- ALL ALTERATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
- CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
- ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.
- ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
- LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
- ANY IMPORTED TOPSOIL FOR THIS PROJECT SHALL CONSIST OF A FRIABLE LOAM OR A SANDY LOAM, COMPRISED OF BETWEEN 20 - 50% SILT, 10 - 25% CLAY AND 30 - 60% SAND. THE PH LEVEL SHALL BE BETWEEN 6.0 AND 7.2 AND THE ORGANIC CONTENT SHALL BE BETWEEN 3 - 6%. THE TOPSOIL SHALL BE SCREENED AND NOT CONTAIN STONES, LARGE CLUMPS GREATER THAN 1", ROOTS, OR ANY DEBRIS.
- AMENDED SOIL FOR PLANTING SHALL BE MIXED THOROUGHLY PRIOR TO PLANTING.
- AMENDED SOIL SHALL BE AS FOLLOWS:  
 TREES AND WOODY SHRUBS 75% TOPSOIL, 25% ANGULAR COARSE SAND  
 PERENNIALS 60% TOPSOIL, 20% ANGULAR COARSE SAND, 20% PINE FINES
- ALL PLANTINGS SHALL BE SPACED EQUAL DISTANT, BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOT BALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
- ALL BEDS SHALL HAVE WEED PRE-EMERGENT HERBICIDE APPLIED AT THE RECOMMENDED RATE, AND SHREDDED HARDWOOD MULCH SPREAD AT A MINIMUM OF 3" DEPTH.
- ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

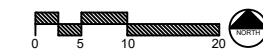


**PERENNIAL, AND GROUND COVER DETAIL**  
NO SCALE

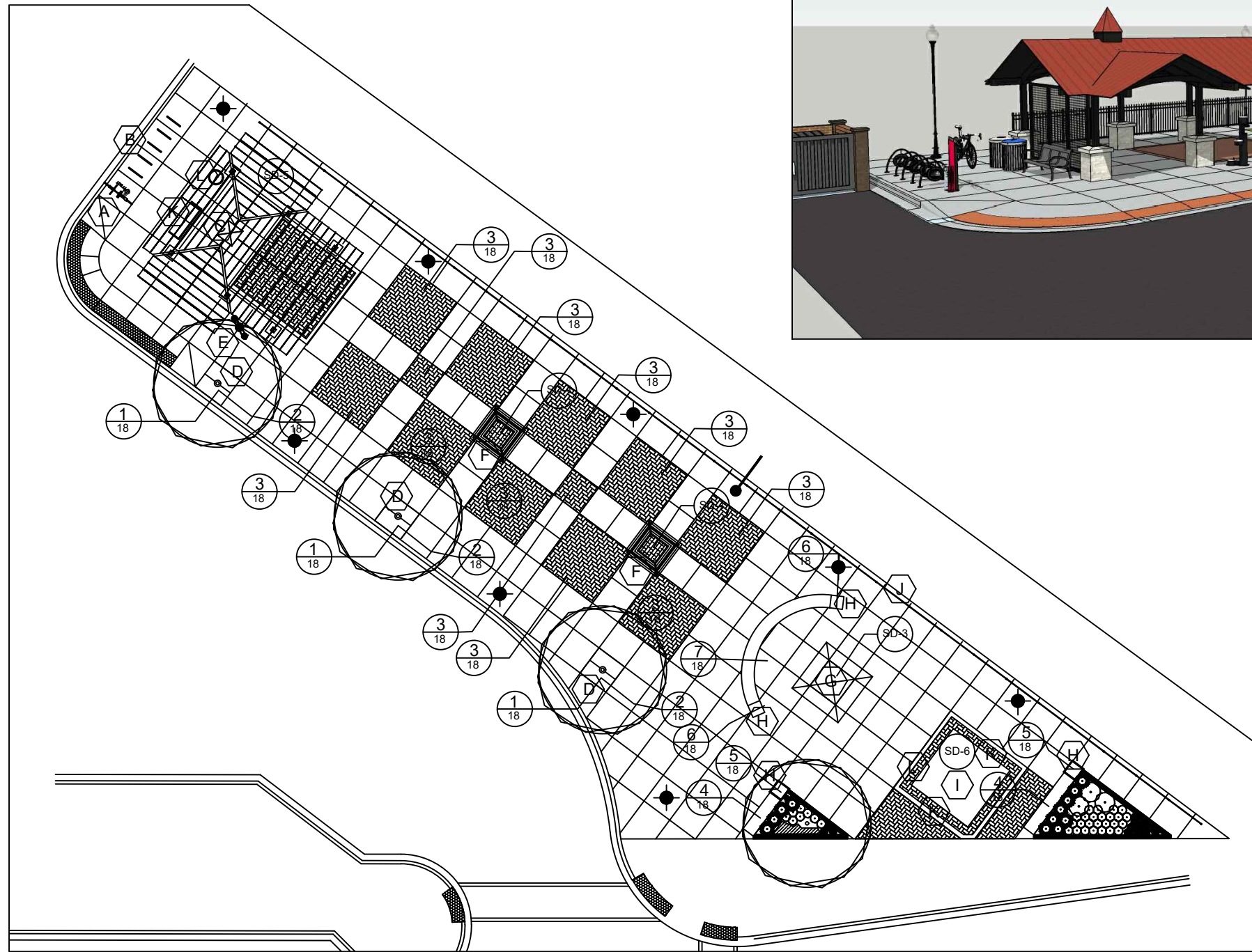


**SHRUB PLANTING DETAIL**  
NO SCALE

LANDSCAPE PLAN





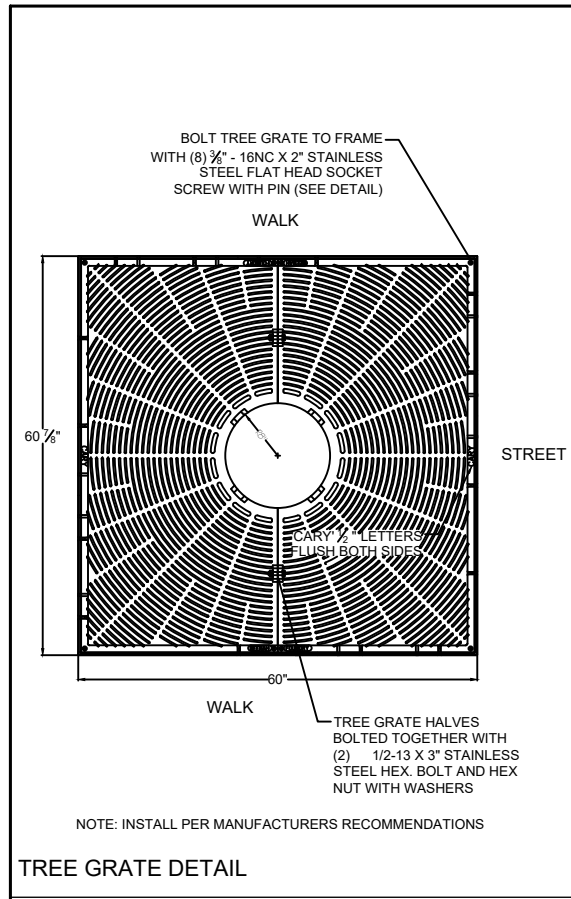


SITE FURNITURE PLAN

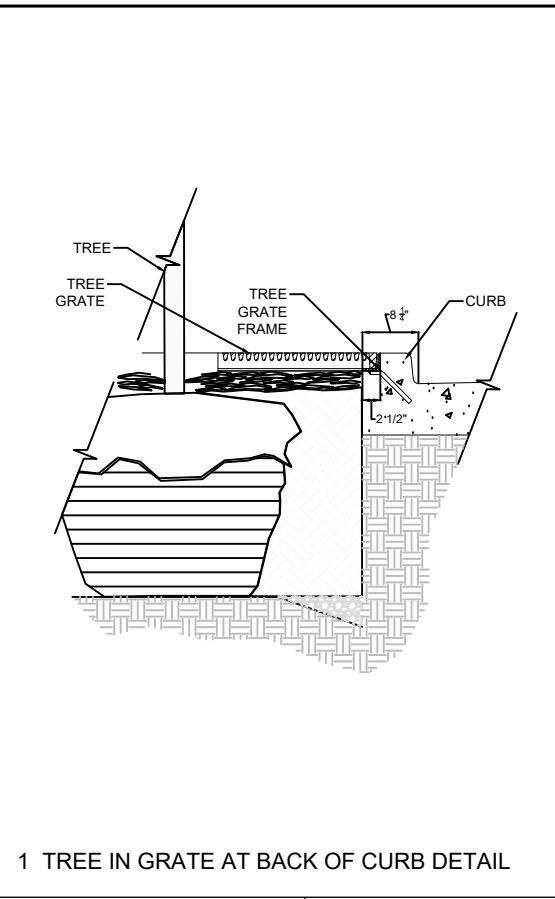


**SITE FURNITURE SCHEDULE**

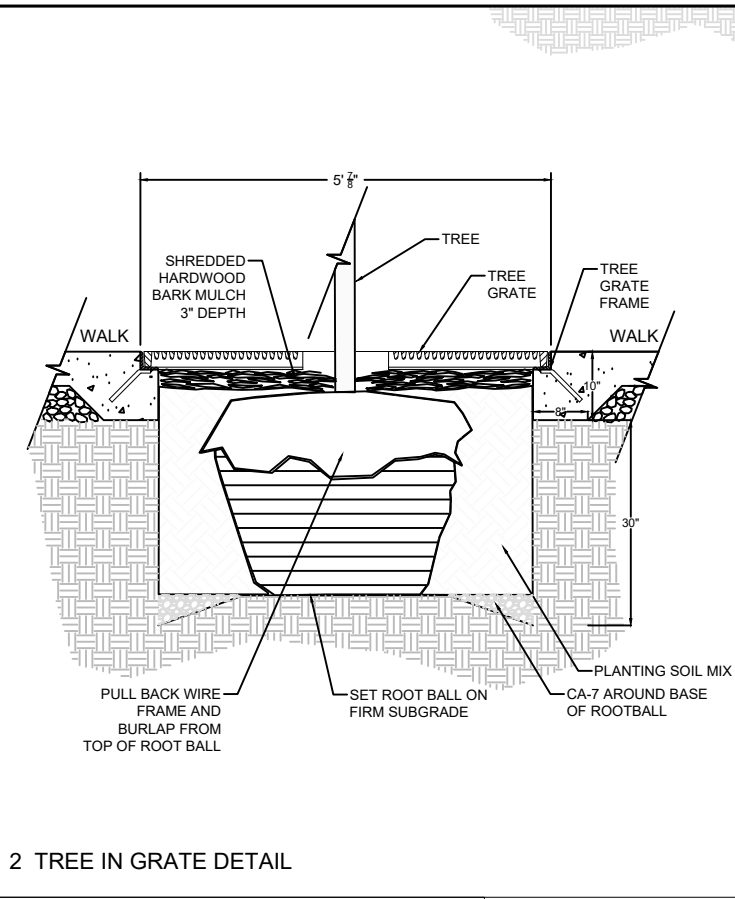
SYM.	ITEM	QTY.	UNIT	ITEM #	MANUFACTURER & MODEL NUMBER
A	Bicycle Repair Station	1	EA	XX009334	DERO Fixit Plus with Air Kit Prime
B	Bicycle Racks, Type 1	5	EA	XX008441	DERO Lean Bar Logo - Hoop Rack
C	Commuter Shelter	1	EA	XX009477	Poligon Gable 28' x 28'
D	Tree Grates	3	EA	X0539800	Ironsmith STARBURST - 60 inch Square Model 6018
E	Drinking Fountain	1	EA	XX009045	MDF 440 SM w/option handwash and attached Pet Fountain
F	Movable Planter	2	EA	*	Planters Unlimited - Sienna Sq. 24"L x 24" W x 24"H
G	Outdoor Fireplace	1	EA	*	
H	Planter	4	EA	XX009591	Longshadow LS 9758 - Sabine 30 Bowl, 30 Dia.
I	Pump House	1	EA		Existing on site - relocated
J	Ornamental Fence	184	LF	X2200018	
K	Park Benches	3	EA	X0321158	72" RecycleDesign Victoria Seat w/ Back
L	Trash Receptacles	2	EA	X0327997	32G Victoria Recycle Bin



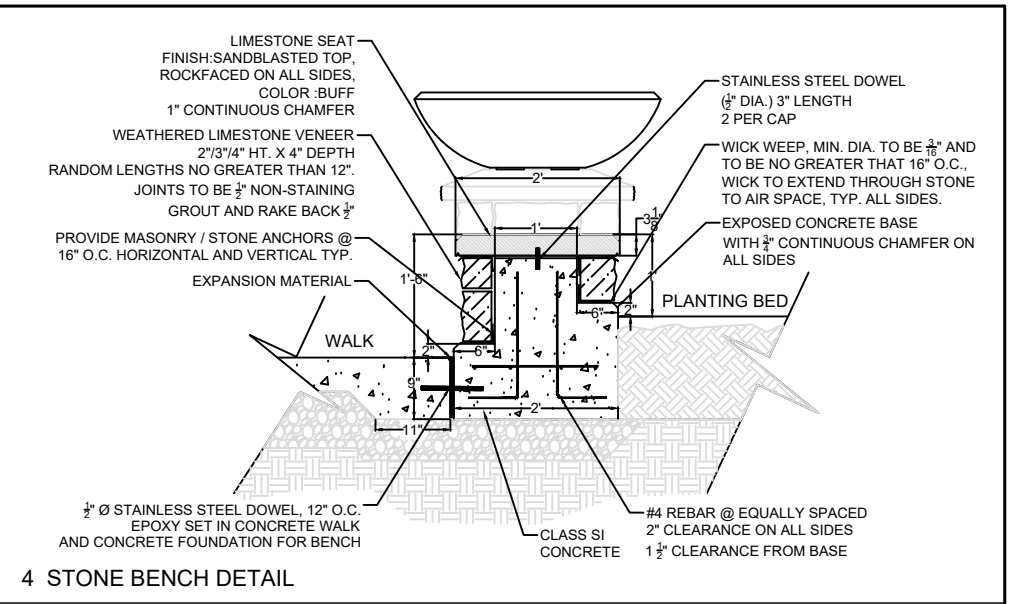
TREE GRATE DETAIL



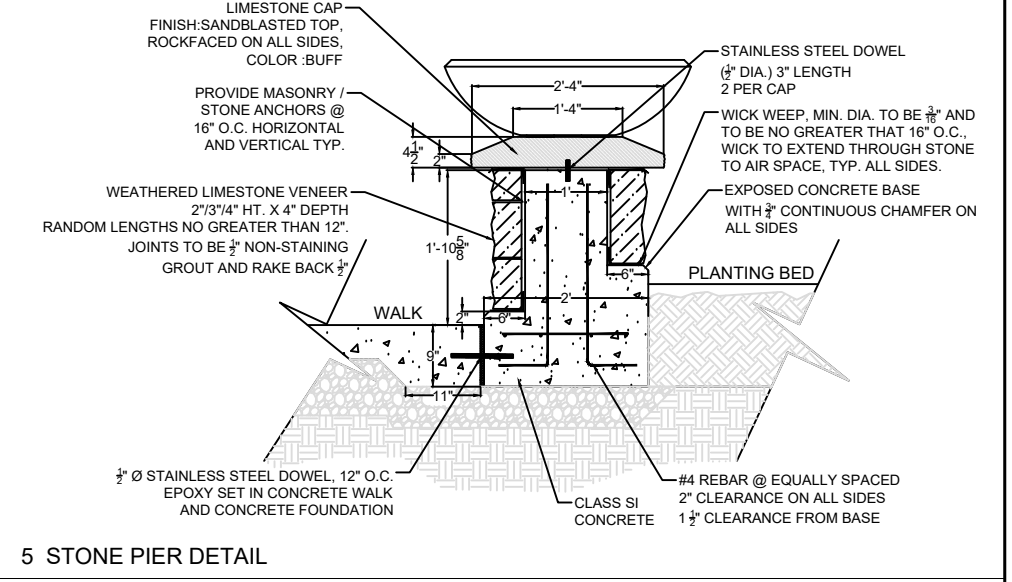
1 TREE IN GRATE AT BACK OF CURB DETAIL



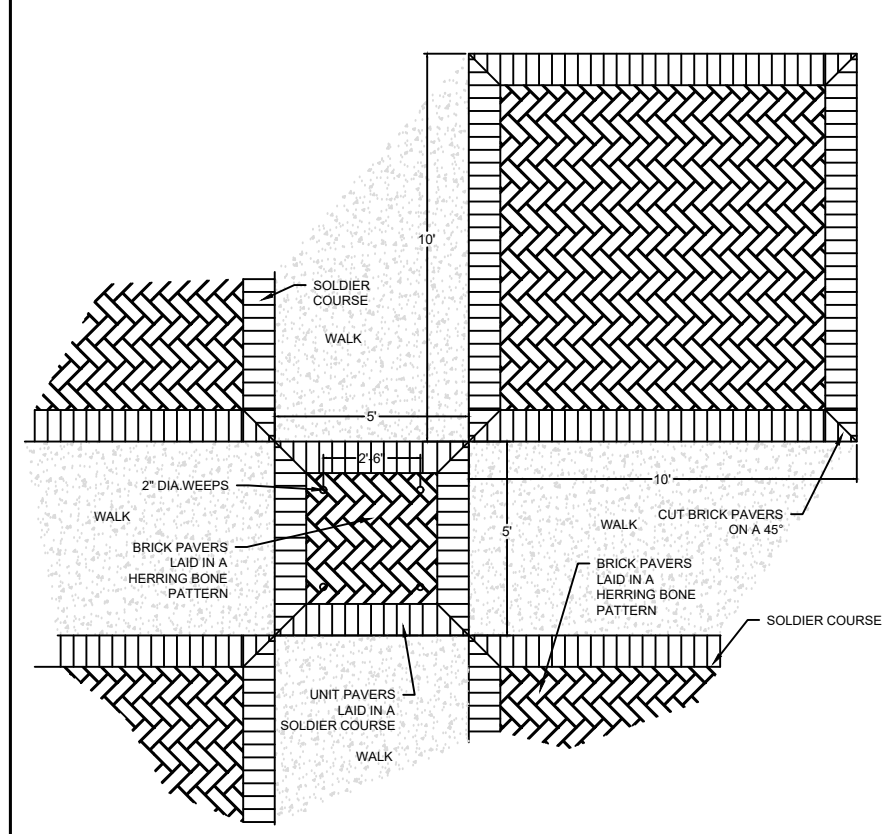
2 TREE IN GRATE DETAIL



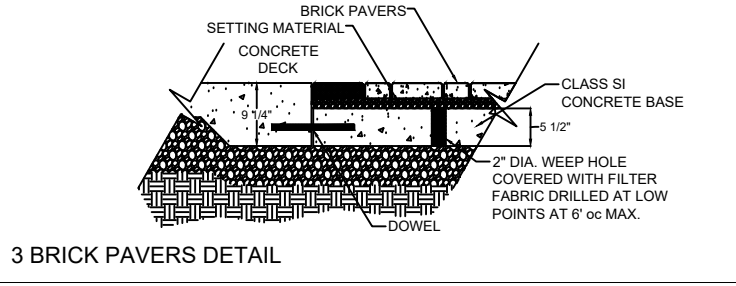
4 STONE BENCH DETAIL



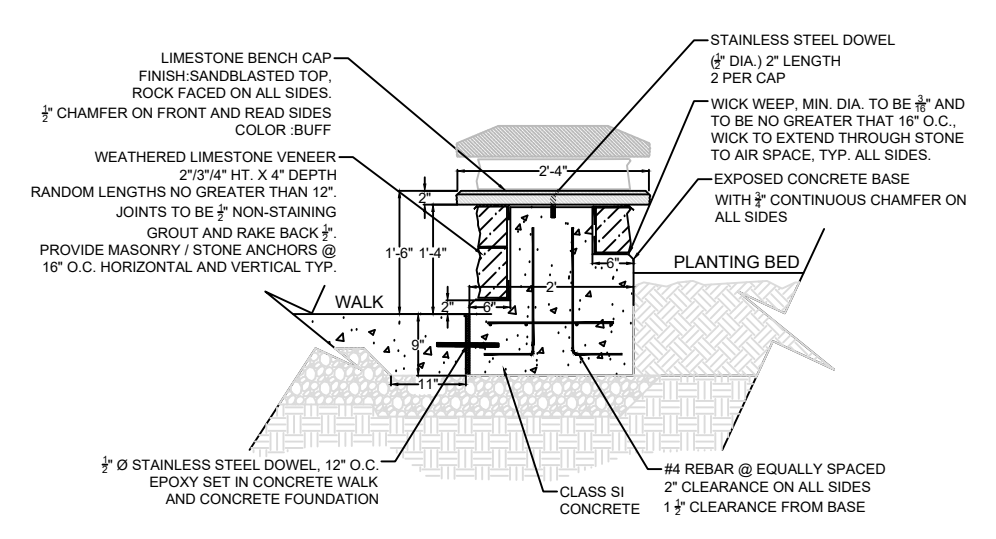
5 STONE PIER DETAIL



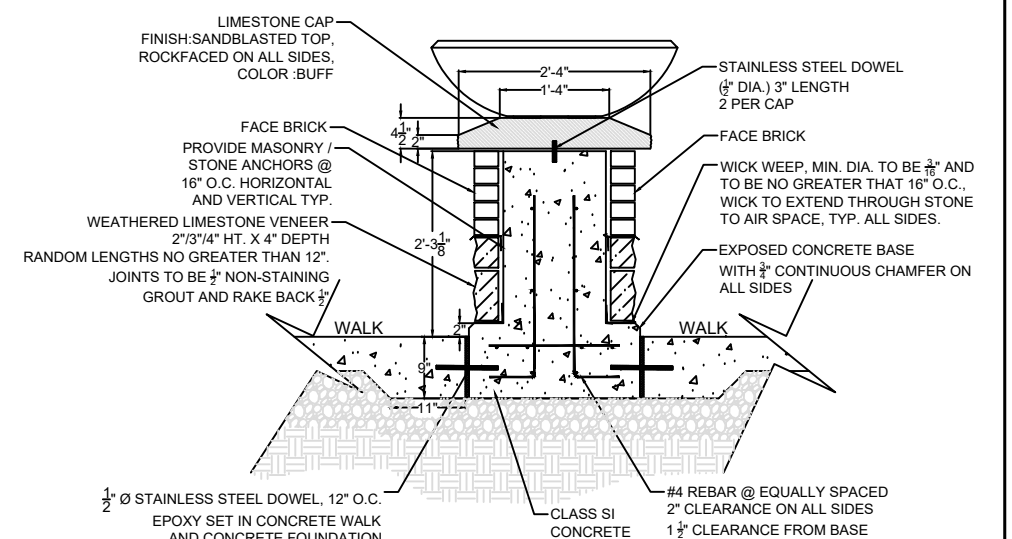
BRICK PAVER PLAN VIEW DETAIL



3 BRICK PAVERS DETAIL

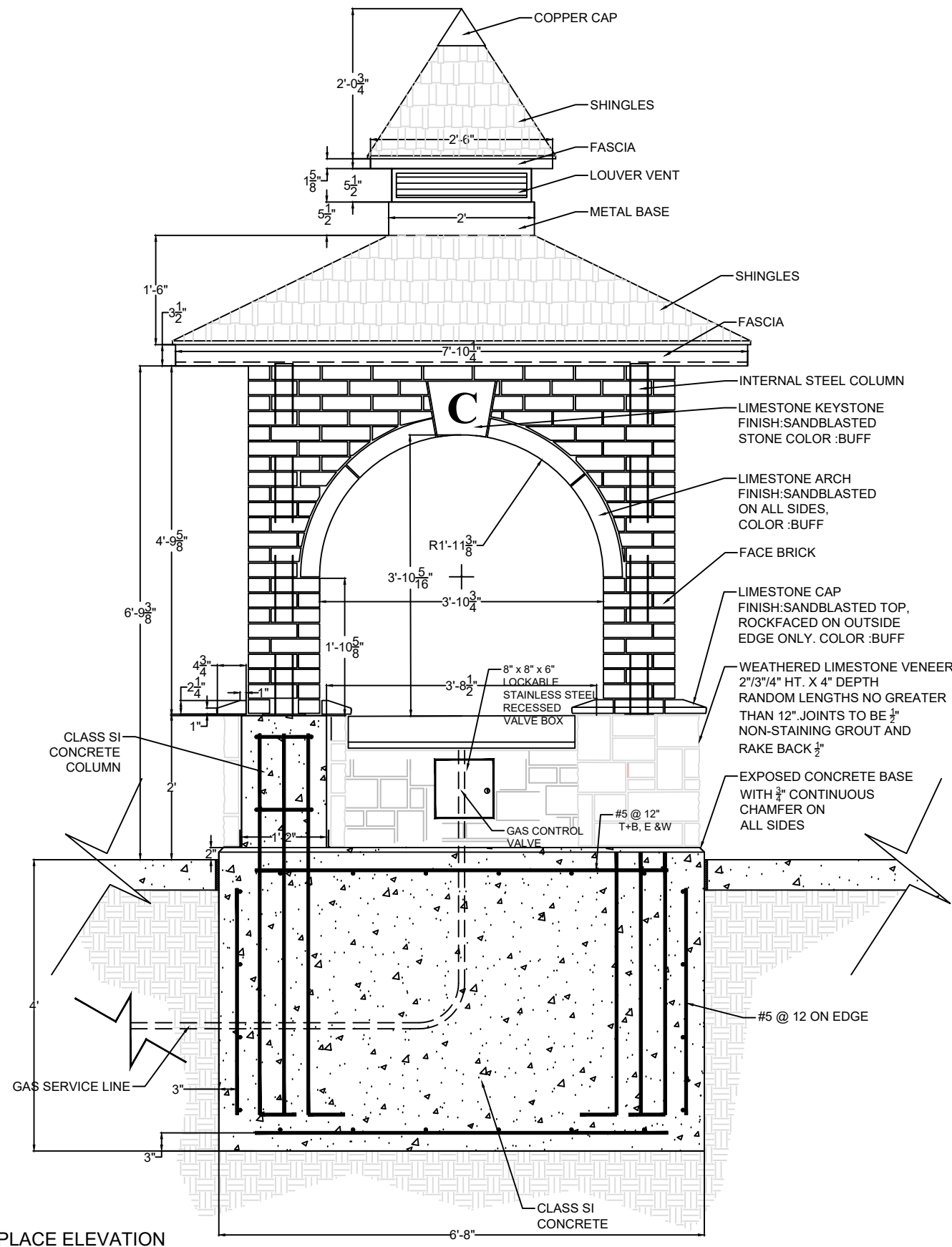


7 DOUBLE SIDED WALL DETAIL

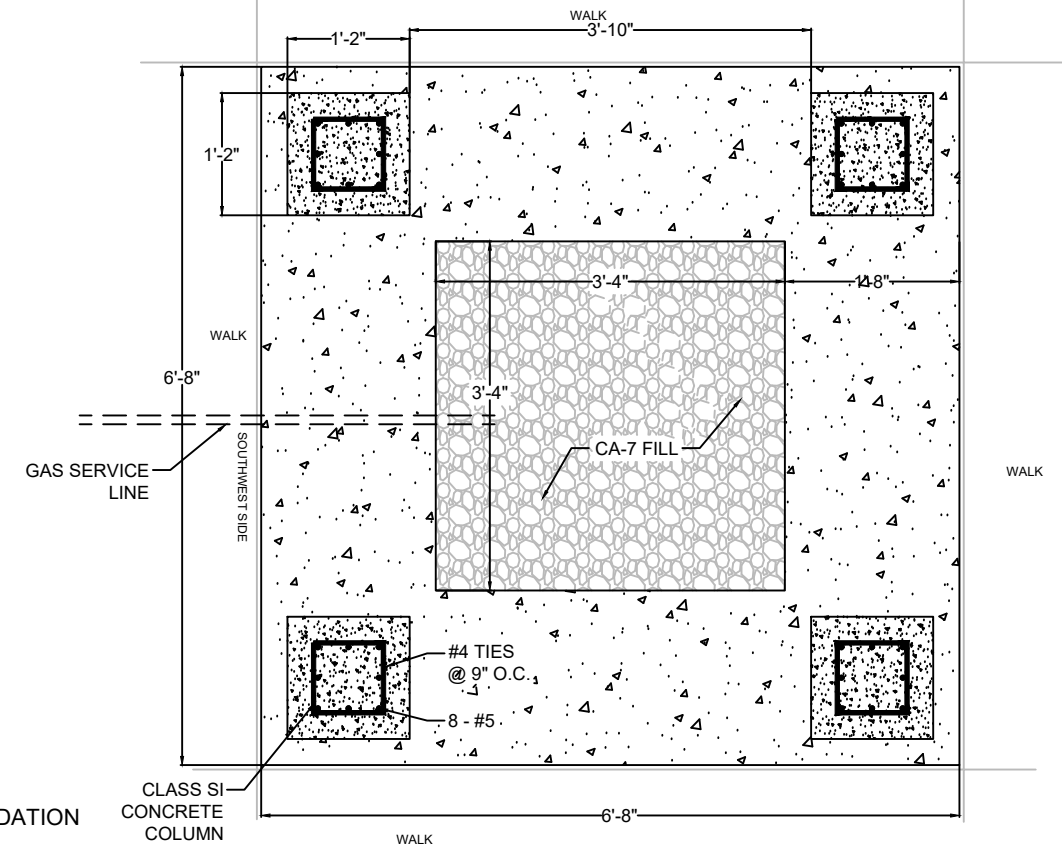


6 BRICK COLUMN DETAIL

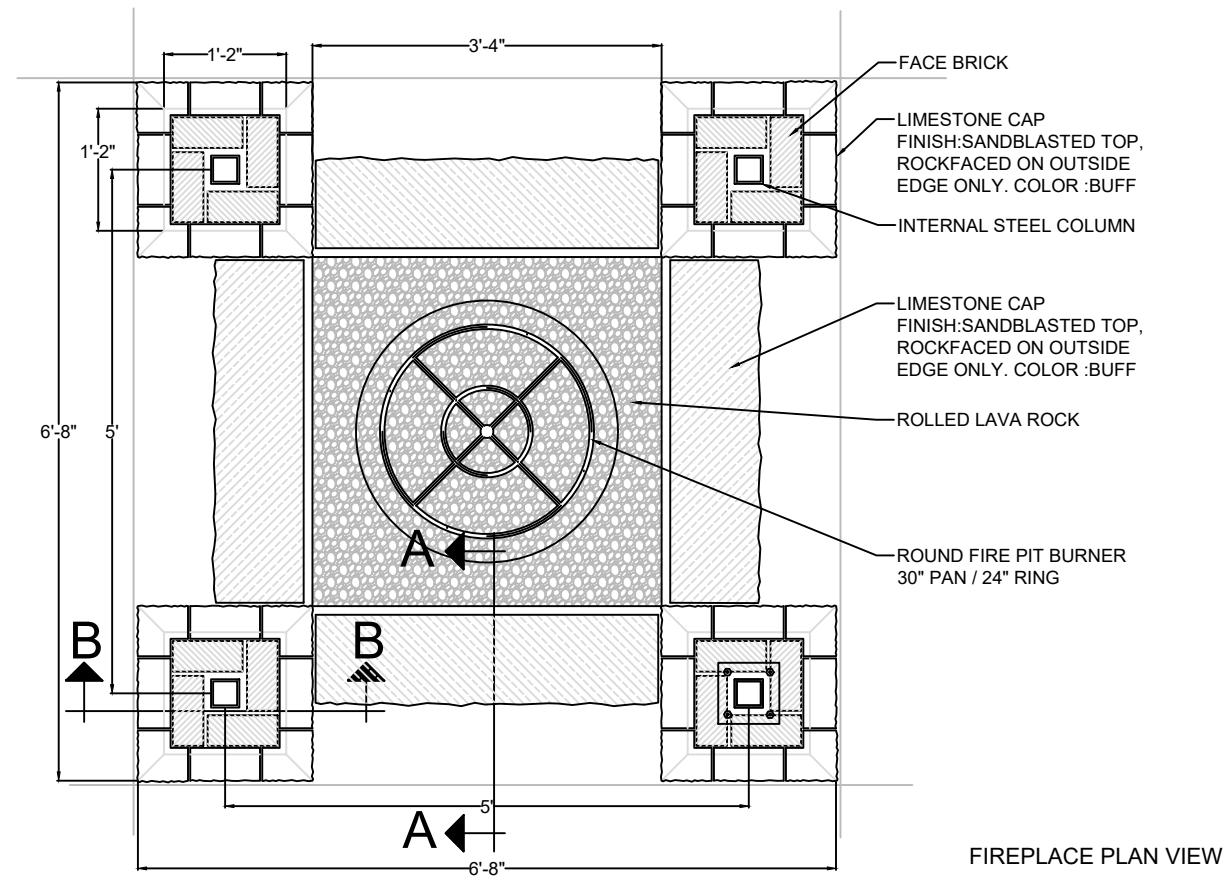




FIREPLACE ELEVATION



FIREPLACE FOUNDATION PLAN VIEW



FIREPLACE PLAN VIEW

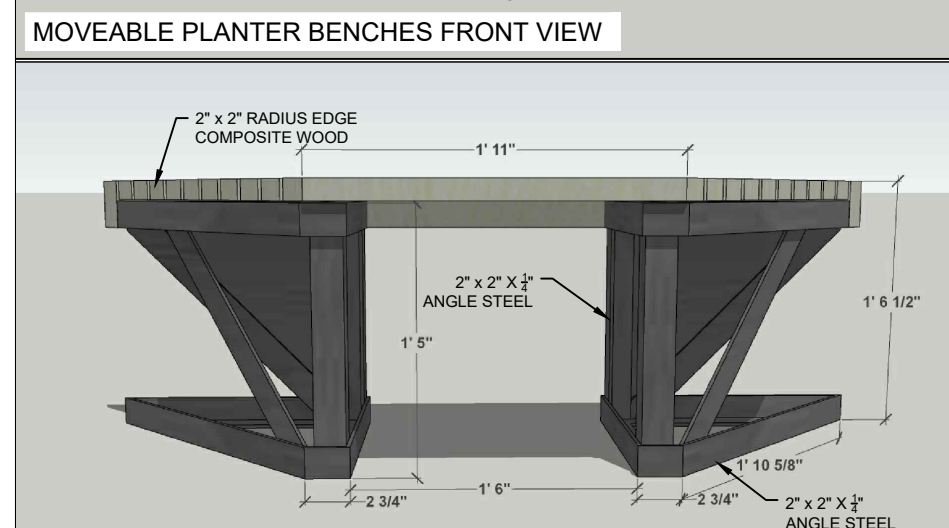
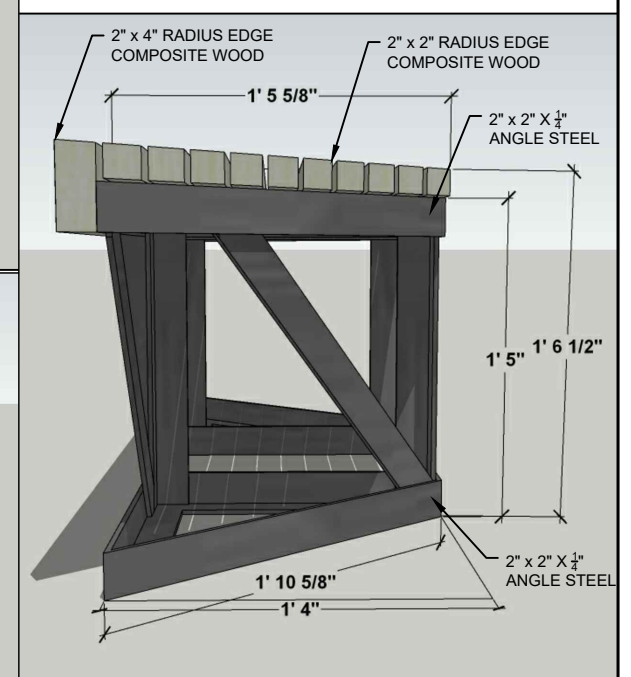
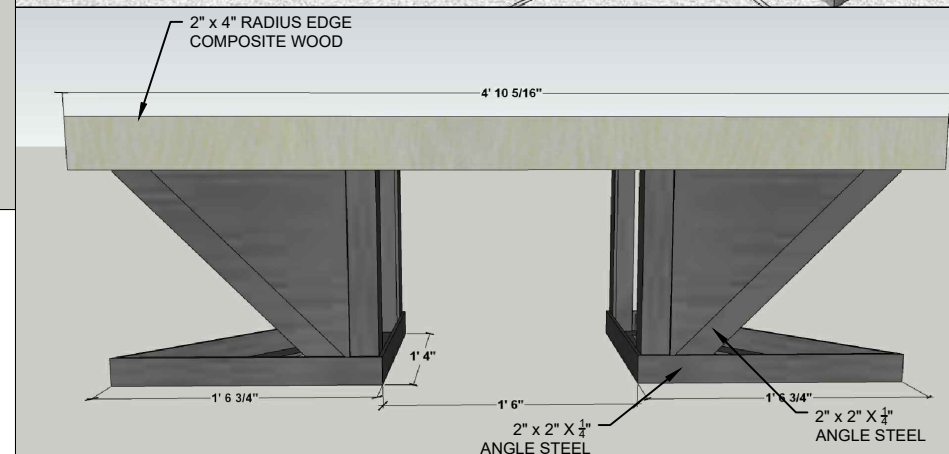
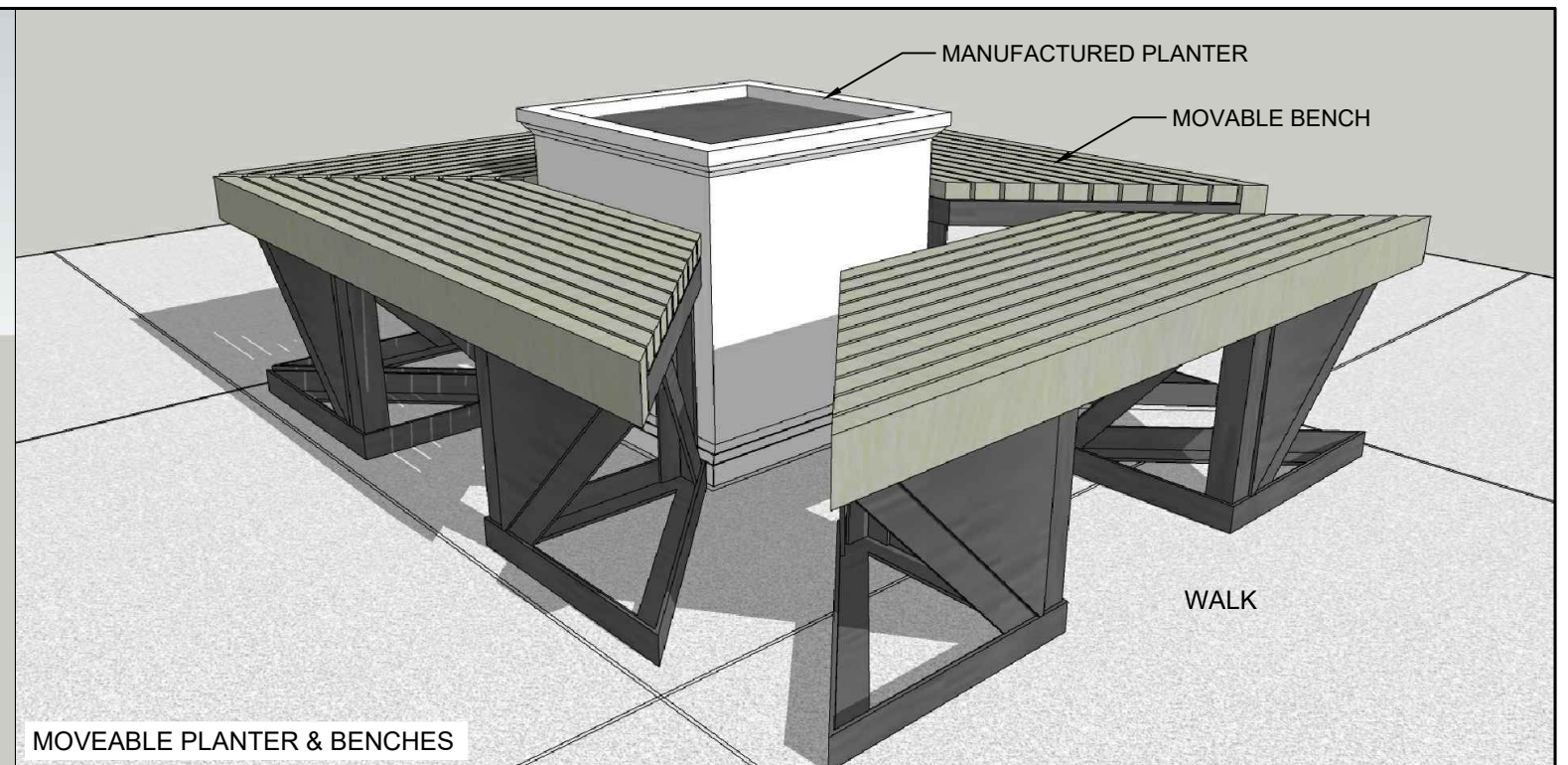
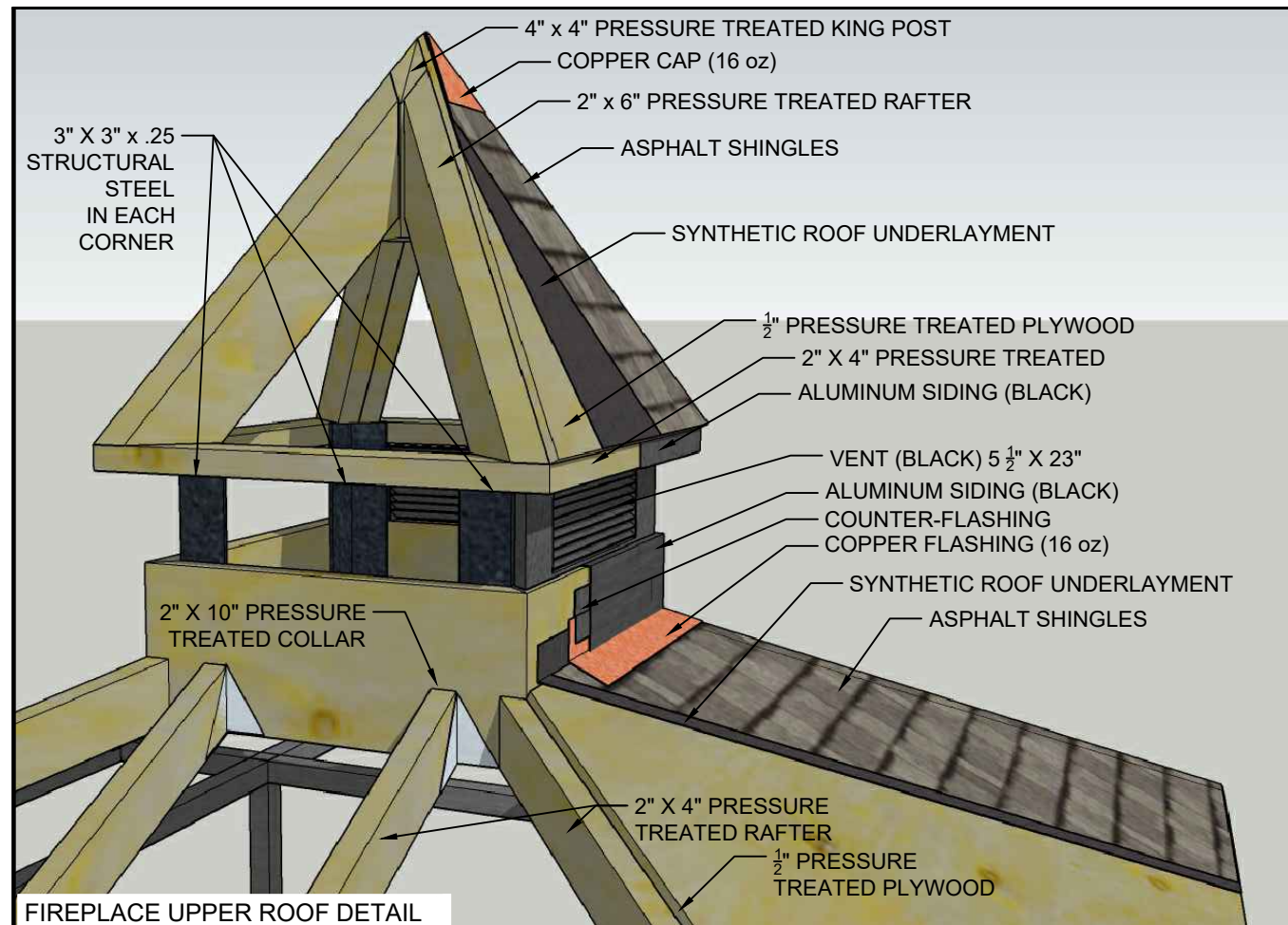
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

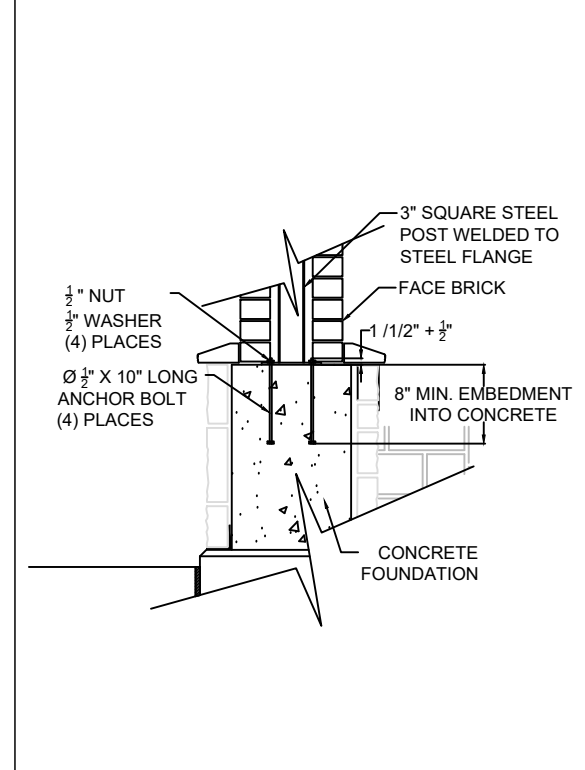
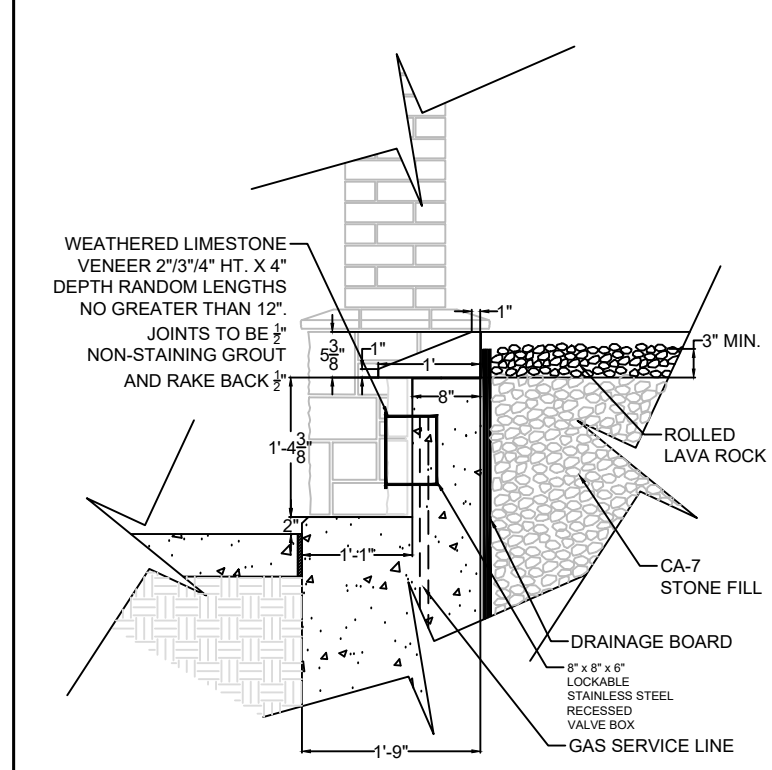
DOWNTOWN CARY GATEWAY PLAZA

SCALE: \_\_\_\_\_ SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS		31	19
CONTRACT NO. 61K43				
ILLINOIS FED. AID PROJECT				



\*ALL FASTENING OF COMPOSITE TO STEEL TO BE DONE FROM UNDERNEATH OR BEHIND. NO EXPOSED FASTENERS



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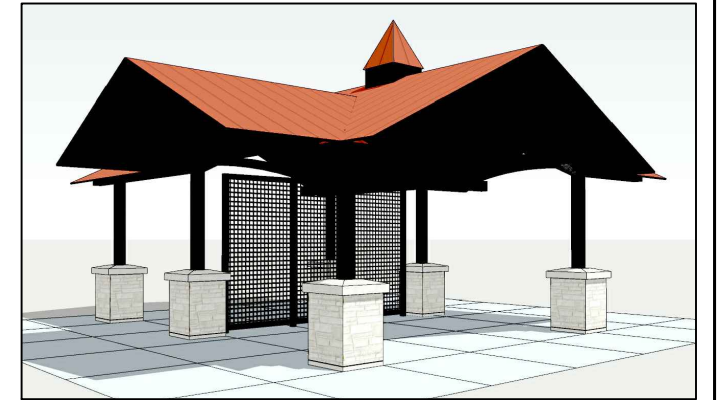
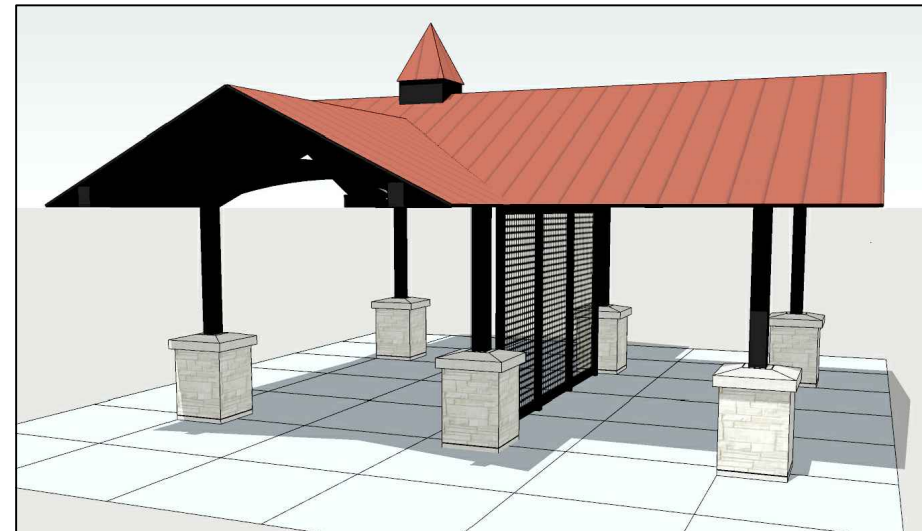
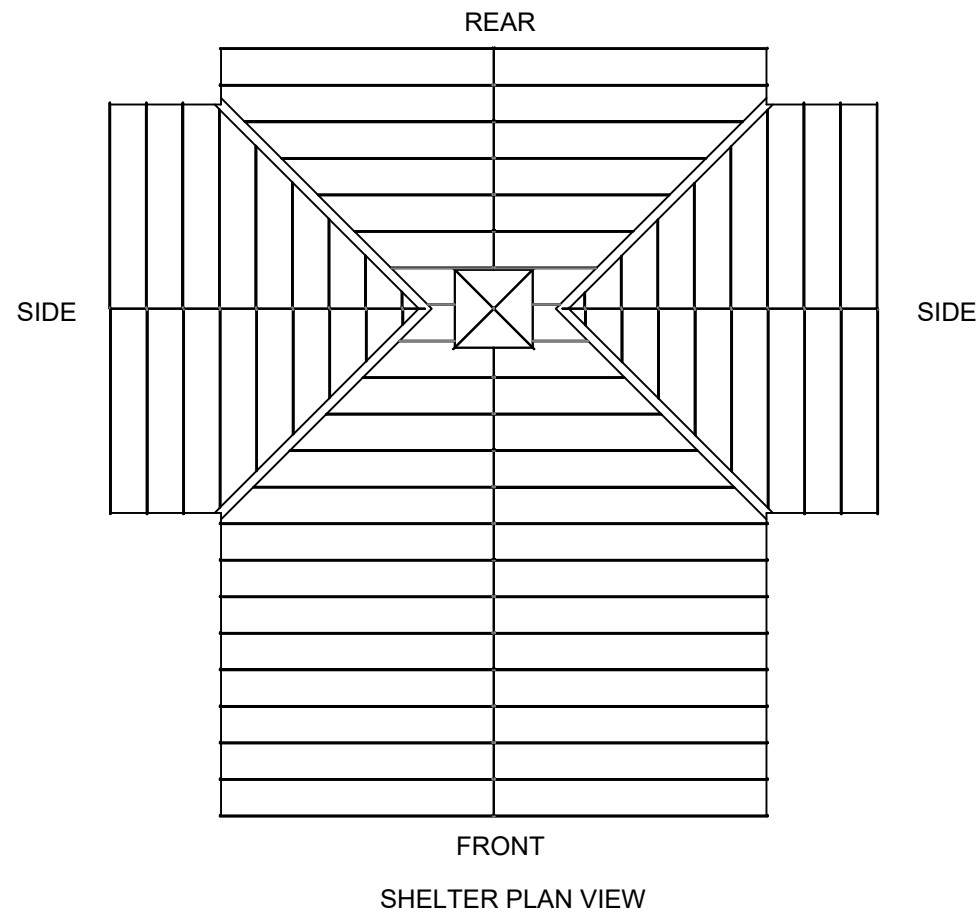
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**DOWNTOWN CARY GATEWAY PLAZA**

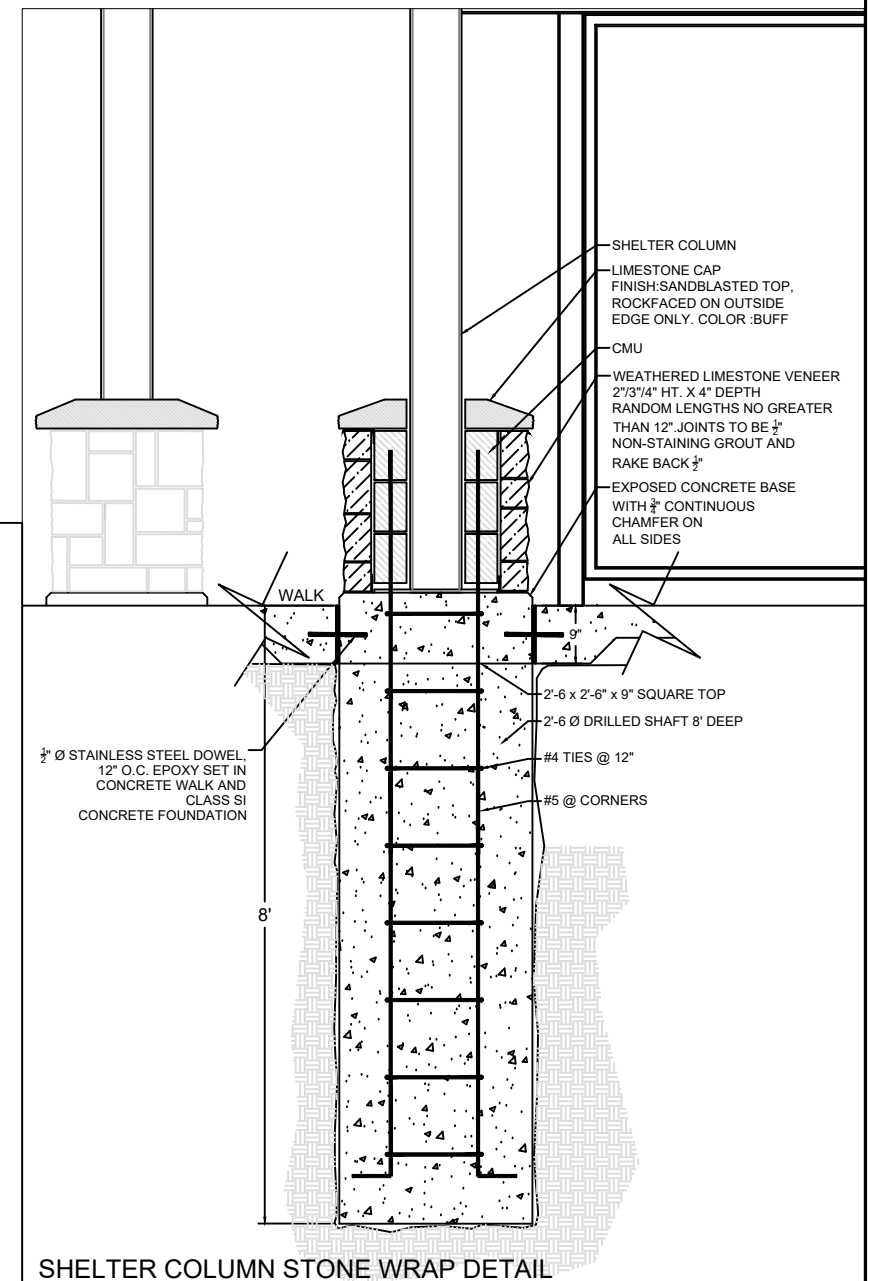
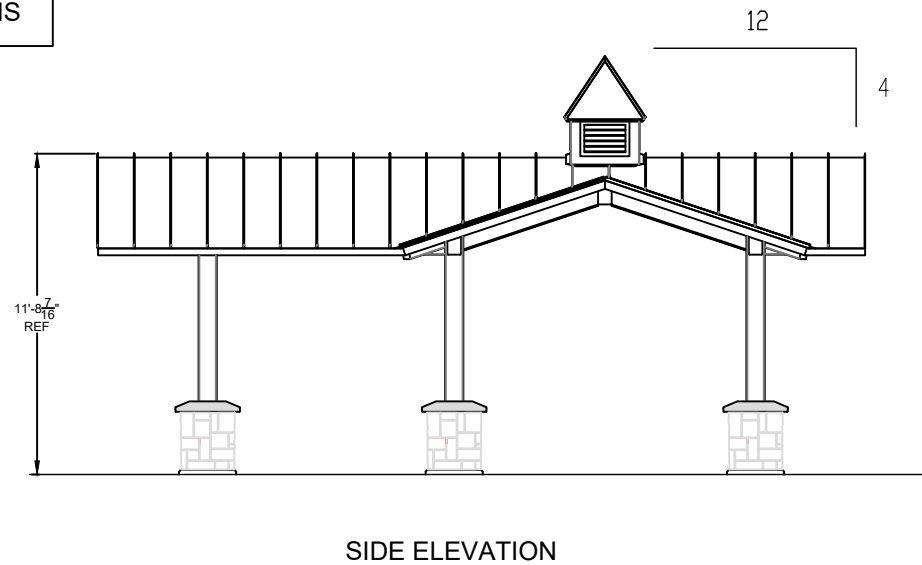
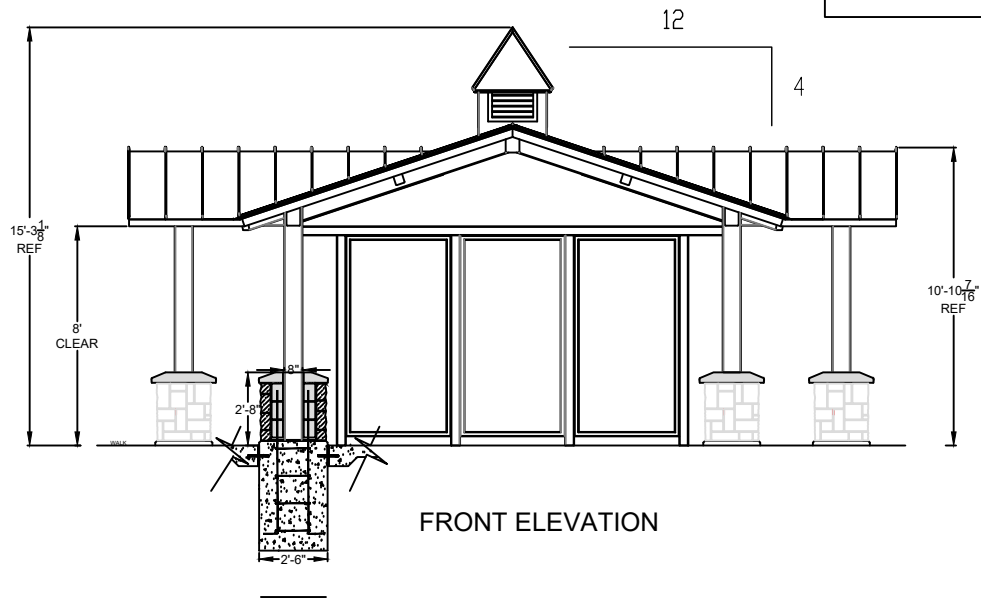
SCALE: \_\_\_\_\_ SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS		31	20
CONTRACT NO. 61K43				
ILLINOIS FED. AID PROJECT				

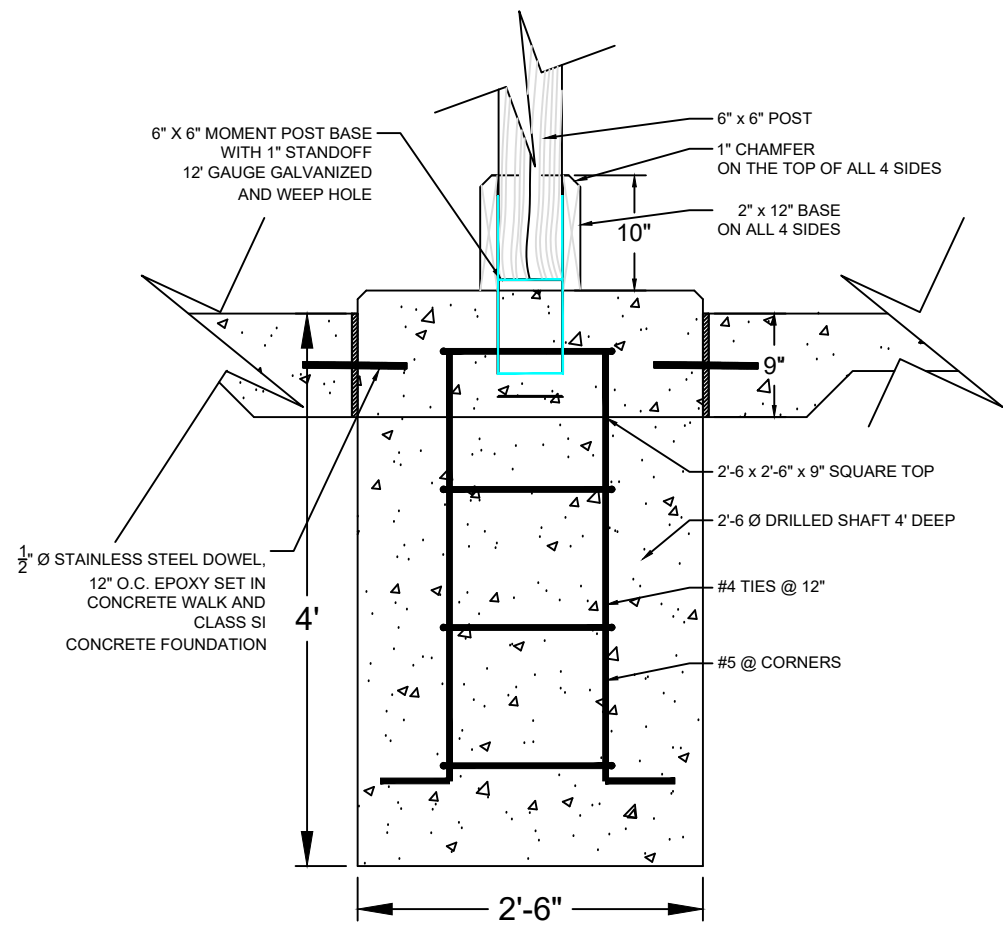




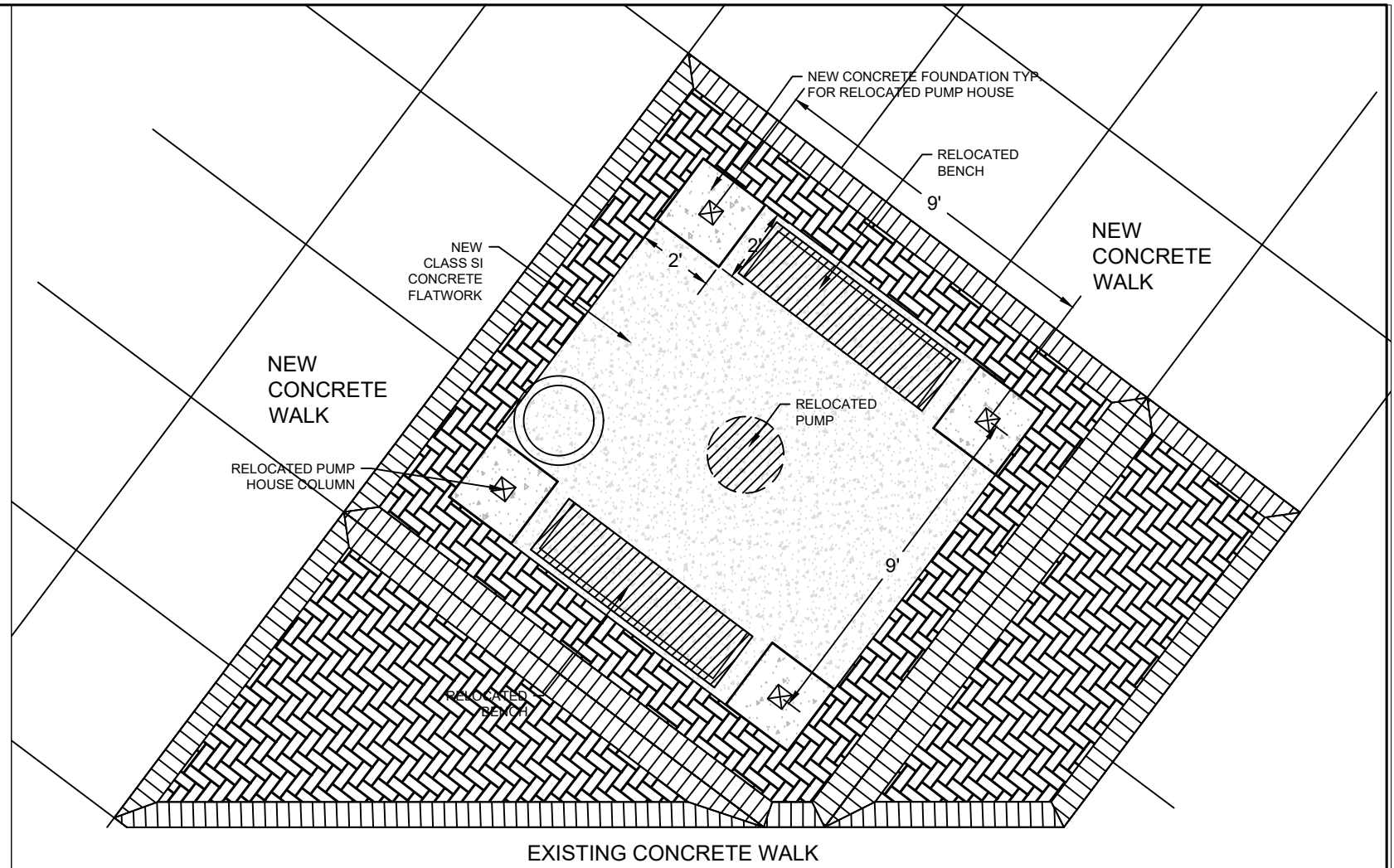
INSTALL SHELTER PER  
MANUFACTURERS  
RECOMMENDATIONS



FILE NAME = \$FILEL\$	USER NAME = \$USER\$	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DOWNTOWN CARY GATEWAY PLAZA	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$MODELNAME\$	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -			22-00074-00-MS		31	21	
	PLOT DATE = \$DATE\$	DATE -	REVISED -			SCALE: _____ SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 61K43		
								ILLINOIS FED. AID PROJECT		



PUMP HOUSE FOUNDATION DETAIL



PUMP HOUSE PLAN VIEW

SCALE 1/2" = 1'-0"



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILEL\$		DRAWN -	REVISED -
\$MODELNAME\$		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**DOWNTOWN CARY GATEWAY PLAZA**

SCALE: \_\_\_\_\_ SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS		31	22
<b>CONTRACT NO. 61K43</b>				
ILLINOIS FED. AID PROJECT				

## LIGHTING GENERAL NOTES

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123.
2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
4. 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.
5. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE OWNER'S REPRESENTATIVE.
6. THE INSTALLATION OF BURIED WARNING TAPE, SPECIFIED AS PART OF TRENCH FOR UNDERGROUND CONDUITS, SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE PRIOR TO BACKFILLING OR FLOWING OPERATIONS, AS APPLICABLE.
7. THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WEATHER RESISTANT WHITE NYLON WITH INTEGRAL MECHANICAL FASTENER WITH A MINIMUM 3/4"x1" WRITEABLE AREA.
8. ALL UNDERGROUND WIRING SHALL BE XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, INSTALLED IN CONDUIT A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
9. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE OWNER'S REPRESENTATIVE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL PROPOSED EQUIPMENT FOR EXAMINATION AND CONFIRMATION WITH THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGERING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL PROPOSED ITEMS SHALL BE CONFIRMED WITH THE OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
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 OWNER'S REPRESENTATIVE.
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.

## LIGHTING BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 1/2" DIA.	FOOT	60
UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	720
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	190
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	315
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4175
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2
REMOVAL OF POLE FOUNDATION	EACH	2
ELECTRICAL WORK COMPLETE - GATEWAY MONUMENT	LSUM	1
LIGHTING ASSEMBLY (SPECIAL)	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	28
LIGHT POLE FOUNDATION (SPECIAL)	FOOT	40
DECORATIVE LIGHTING UNIT, TYPE "D1"	EACH	4
DECORATIVE LIGHTING UNIT, TYPE "D2"	EACH	4
MAINTAIN EXISTING LIGHTING SYSTEM	LSUM	1

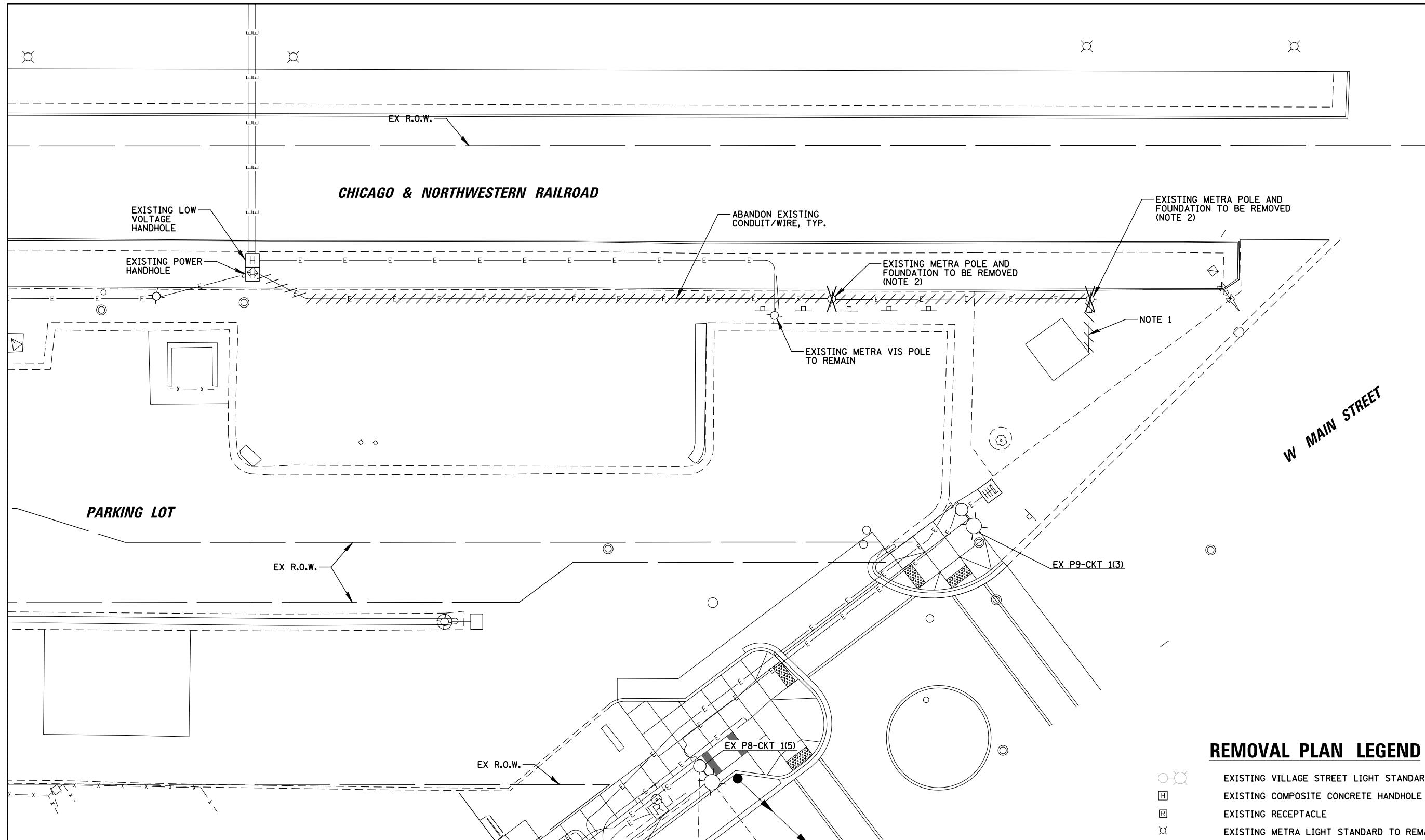
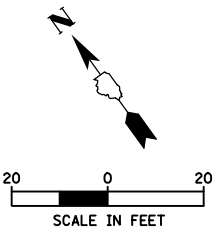
## ABBREVIATIONS

A	AMPS	HH	HAND HOLE
BOC	BACK OF CURB	HPS	HIGH PRESSURE SODIUM
CKT	CIRCUIT	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	RGS	RIGID GALVANIZED STEEL
FT	FOOT	ROW	RIGHT OF WAY
FOC	FACE OF CURB	STA	STATION
GND	GROUND	V	VOLTS
HD	HEAVY DUTY	W	WATTS
HDPE	HIGH DENSITY POLYETHYLENE		

### CAUTION NOTE TO CONTRACTOR:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED TO THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

FILE NAME =	USER NAME = mthomas	DESIGNED AJD/RJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DOWNTOWN CARY GATEWAY PLAZA LIGHTING NOTES AND BILL OF MATERIALS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -							CONTRACT NO. 61K43	
	PLOT DATE = 4/23/2024	DATE -	REVISED -			SCALE: 20'	SHEET X OF XX SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



**LIGHTING REMOVAL NOTES**

1. CONTRACTOR SHALL DISCONNECT AND REMOVE WIRING BETWEEN EXISTING PUMP HOUSE STRUCTURE AND EXISTING METRA LIGHT STANDARD. CONTRACTOR SHALL COORDINATE ALL WORK WITH METRA.
2. CONTRACTOR SHALL DISCONNECT AND REMOVE CONDUIT/WIRING 2' BELOW GRADE AND ABANDON. CONTRACTOR SHALL SALVAGE EXISTING METRA LIGHT STANDARD, INCLUDING ALL SIGNAGE/APPURTENANCES, AND COORDINATE DROP OFF LOCATION WITH METRA. COORDINATE REMOVAL OF EXISTING SIGNAGE WITH METRA.
3. NO EXISTING LIGHTING SHALL BE REMOVED UNTIL ALL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

**REMOVAL PLAN LEGEND**

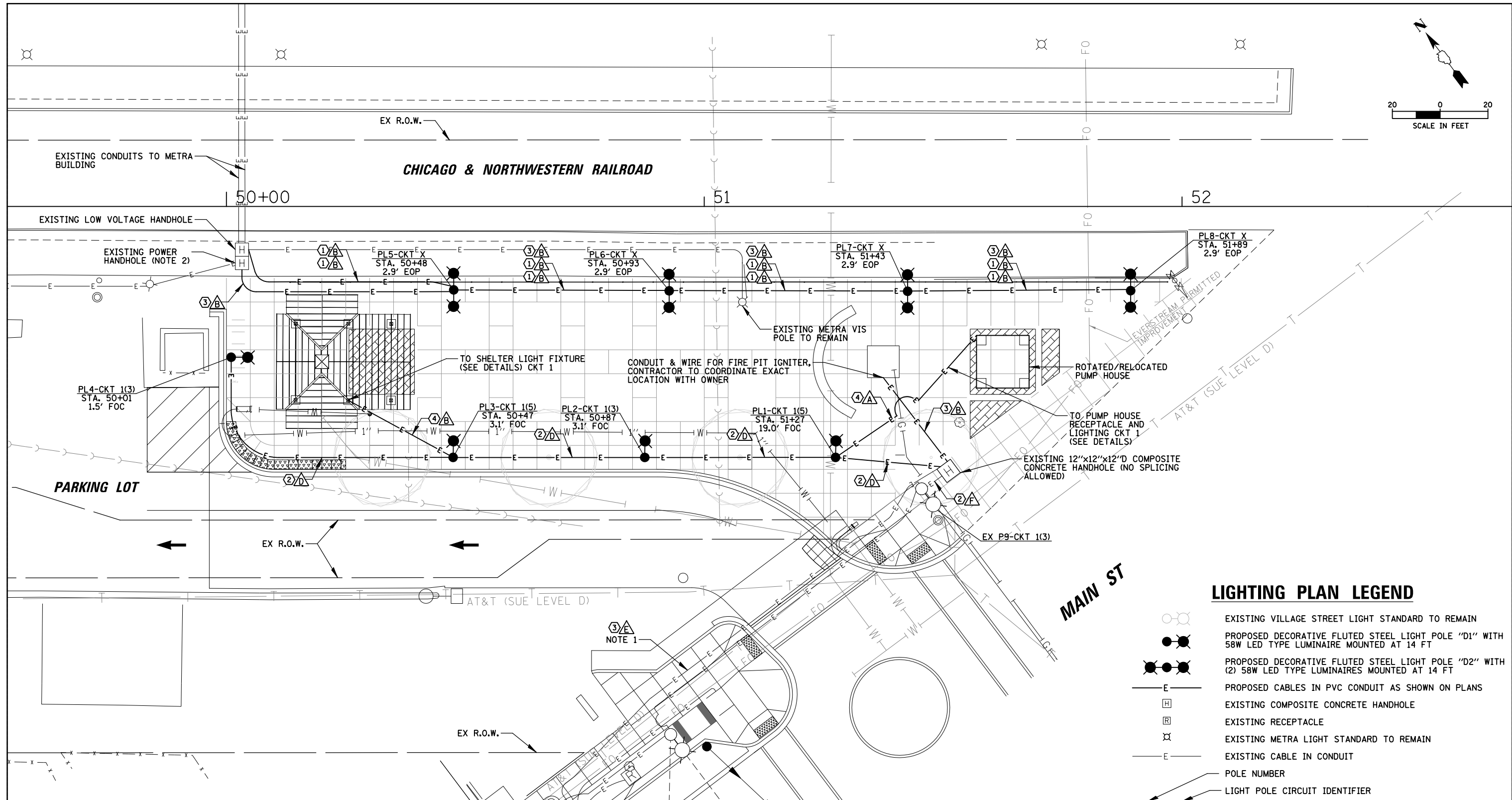
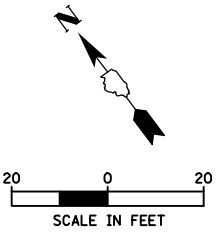
- EXISTING VILLAGE STREET LIGHT STANDARD TO REMAIN
- EXISTING COMPOSITE CONCRETE HANDHOLE
- EXISTING RECEPTACLE
- EXISTING METRA LIGHT STANDARD TO REMAIN
- EXISTING CABLE IN CONDUIT
- EXISTING ITEM TO BE REMOVED
- POLE NUMBER
- LIGHT POLE CIRCUIT IDENTIFIER
- FESTOON RECEPTACLE CIRCUIT IDENTIFIER

FILE NAME =	USER NAME = mthomas	DESIGNED AJD/RJJ	REVISED -
N:\CARY\150361.00023\Mech\REM.150361.00023.01.sht		DRAWN RMS/RJJ	REVISED -
Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -
	PLOT DATE = 4/23/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DOWNTOWN CARY GATEWAY PLAZA</b>			
<b>LIGHTING REMOVAL PLAN</b>			
SCALE: 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS		31	24
CONTRACT NO. 61K43				
ILLINOIS FED. AID PROJECT				



**LIGHTING PLAN LEGEND**

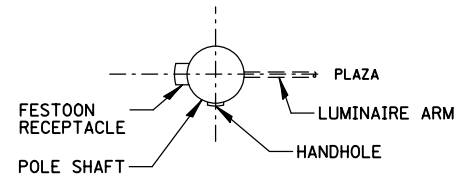
- EXISTING VILLAGE STREET LIGHT STANDARD TO REMAIN
- PROPOSED DECORATIVE FLUTED STEEL LIGHT POLE "D1" WITH 58W LED TYPE LUMINAIRE MOUNTED AT 14 FT
- PROPOSED DECORATIVE FLUTED STEEL LIGHT POLE "D2" WITH (2) 58W LED TYPE LUMINAIRES MOUNTED AT 14 FT
- PROPOSED CABLES IN PVC CONDUIT AS SHOWN ON PLANS
- EXISTING COMPOSITE CONCRETE HANDHOLE
- EXISTING RECEPTACLE
- EXISTING METRA LIGHT STANDARD TO REMAIN
- EXISTING CABLE IN CONDUIT
- POLE NUMBER
- LIGHT POLE CIRCUIT IDENTIFIER
- FESTOON RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- OFFSET FROM CENTER OF LIGHT POLE TO THE FACE OF CURB (FOC) OR EDGE OF PLATFORM (EOP)

**PROPOSED LIGHTING NOTES**

1. CONTRACTOR SHALL INSTALL PROPOSED BRANCH CIRCUIT CABLES FOR GAS FIRE PIT IGNITER IN EXISTING CONDUIT FROM HANDHOLE TO EXISTING LIGHTING CONTROLLER APPROXIMATELY 400' WEST OF EXISTING HANDHOLE. EXISTING CONDUIT IS ROUTED THROUGH TWO ADDITIONAL HANDHOLES BETWEEN CONTROLLER AND THE FURTHEST EAST HANDHOLE NEAR THE PLAZA (SEE RECORD DRAWING). EXISTING CONDUITS SHALL BE CLEANED AS REQUIRED FOR INSTALLATION OF NEW CABLES. CONTRACTOR SHALL CONNECT WIRING TO EXISTING 20A-1P-120V CIRCUIT BREAKER IN PANEL LP-1 CABINET WITH 24/7 LIVE POWER AND LABEL CIRCUIT BREAKER "FIRE PIT IGNITER".
2. CONTRACTOR SHALL SPLICE EXISTING LIGHTING CIRCUIT IN EXISTING HANDHOLE AND CONNECT PROPOSED WIRES TO EXISTING LIGHTING CIRCUIT WITH A WATERPROOF SPLICE. CONTRACTOR SHALL COORDINATE ALL WORK WITH METRA.
3. PROPOSED LIGHT POLES ALONG THE PLATFORM TO BE OWNED AND MAINTAINED BY METRA.

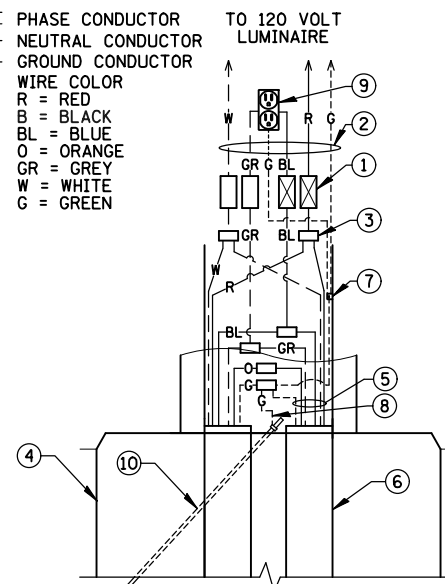
CONDUIT SCHEDULE	
ID	DESCRIPTION
A	1/2" SCH 40 PVC CONDUIT (PROPOSED)
B	3/4" SCH 40 PVC CONDUIT (PROPOSED)
C	NOT USED
D	1/2" SCH 40 PVC CONDUIT (PROPOSED)
E	1" SCH 40 PVC CONDUIT (EXISTING)
F	1/2" SCH 40 PVC CONDUIT (EXISTING)

CONDUCTOR SCHEDULE	
ID	DESCRIPTION
1	EMPTY WITH PULLSTRING
2	1/C #10, 1/C #10 NEUTRAL (LIGHT CKT), 2/C #10, 1/C #10 NEUTRAL, & 1/C #10 GROUND (FESTOON CKT) XLP-TYPE USE WIRES
3	1/C #10, 1/C #10 NEUTRAL, 1/C #10 GROUND XLP-TYPE USE WIRES
4	1/C #12, 1/C #12 NEUTRAL, 1/C #12 GROUND XLP-TYPE USE WIRES



**POSITION OF HANDHOLE DETAIL**  
N.T.S.

---B--- PHASE CONDUCTOR  
 ---W--- NEUTRAL CONDUCTOR  
 ---G--- GROUND CONDUCTOR  
 WIRE COLOR  
 R = RED  
 B = BLACK  
 BL = BLUE  
 O = ORANGE  
 GR = GREY  
 W = WHITE  
 G = GREEN

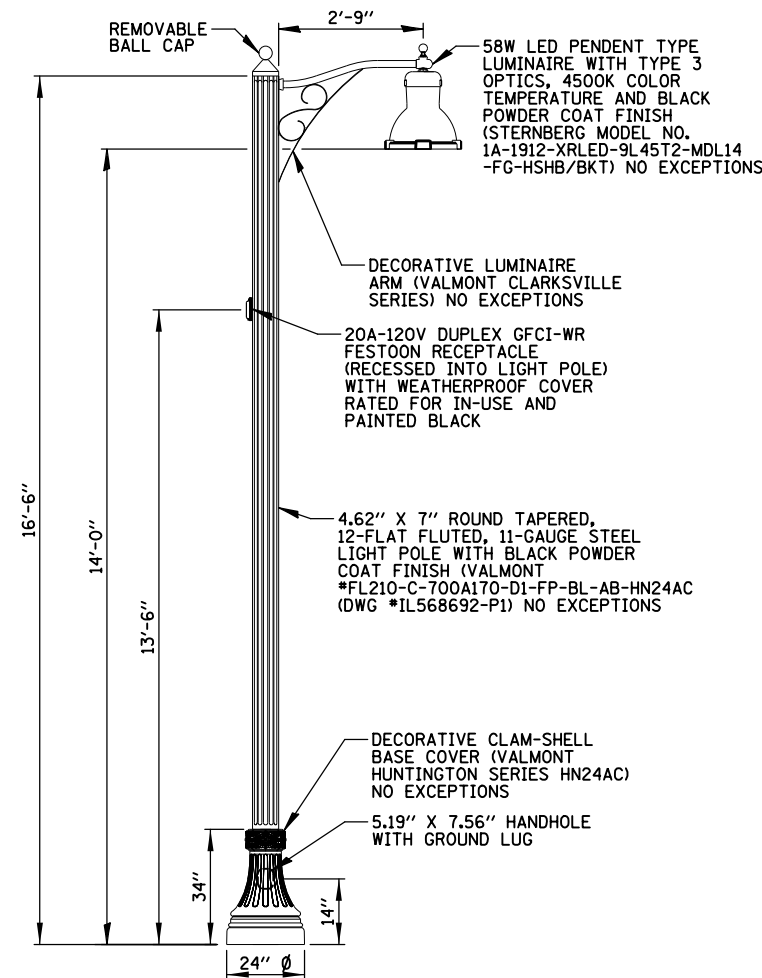


- ① 5A TIME-DELAY TYPE FUSE FOR LUMINAIRE AND 2A FUSE FOR FESTOON RECEPTACLE (NEUTRAL SHALL BE NON-FUSED) INSIDE 2-POLE BREAKAWAY WATERPROOF FUSE HOLDER AND INSULATING BOOTS
- ② NO. 10 XLP-TYPE USE POLE WIRES COLOR TO MATCH BRANCH WIRING
- ③ MULTIPLE COMPRESSION FITTINGS (SPLICE)
- ④ CONCRETE FOUNDATION
- ⑤ WIRE AS SHOWN ON PLANS
- ⑥ PROPOSED LIGHTING CONDUIT PULLED THROUGH PVC RACEWAY
- ⑦ POLE GROUND LUG
- ⑧ #6 GROUND WIRE MECHANICALLY CLAMPED TO GROUND ROD
- ⑨ 20A-120V DUPLEX GFCI-WR FESTOON RECEPTACLE
- ⑩ GROUND ROD

**NOTES:**

1. BRANCH CIRCUIT NEUTRAL WIRING FOR STRING LIGHTS SHALL BE WHITE WITH BLACK STRIPE.
2. PROVIDE SEPARATE FUSING FOR RUNS TO GAZEBO AND PUMP HOUSING USING 2A FUSE.

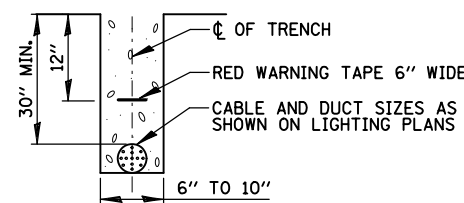
**DECORATIVE LIGHTING UNIT TYPE 1  
HANDHOLE WIRING DIAGRAM**  
N.T.S.



**NOTES:**

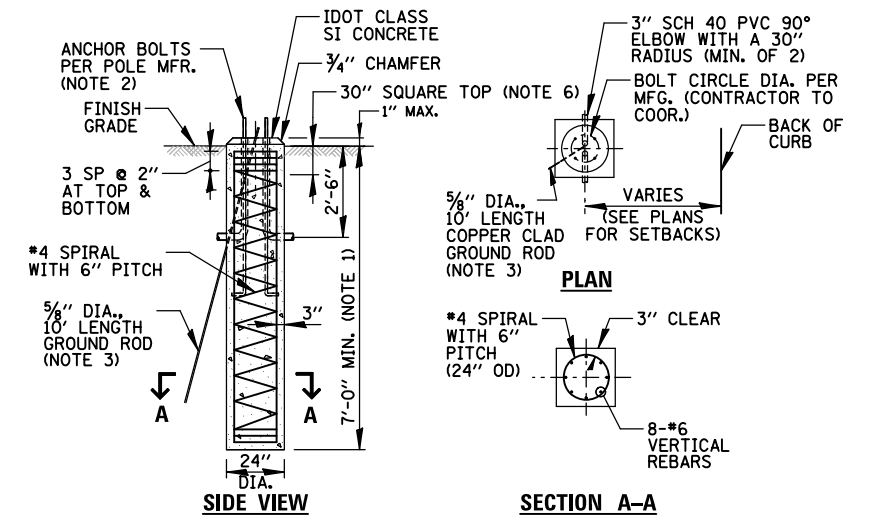
1. PAID FOR UNDER "DECORATIVE LIGHTING UNIT, TYPE "D1" (SEE SPECIAL PROVISIONS).

**VILLAGE OWNED DECORATIVE  
LIGHTING UNIT D1**  
N.T.S.



**TRENCH CROSS SECTION**

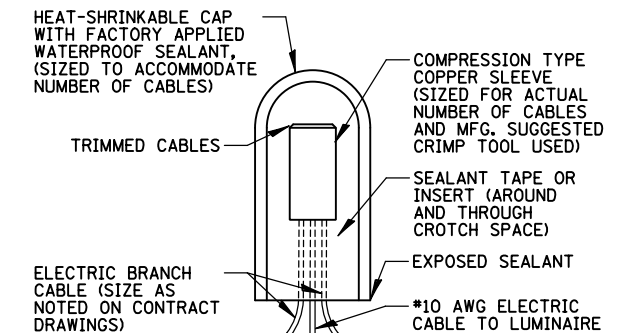
**ELECTRIC CONDUIT INSTALLATION**  
N.T.S.



**NOTES:**

1. FOUNDATION DEPTH IS BASED ON COHESIVE SOIL ALONG THE LENGTH OF THE SHAFT, WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH (QU) > 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.
2. FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE FINISHED GRADE, INCLUDING ANCHOR RODS.
3. GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8 FEET IN CONTACT WITH SOIL.
4. FOUNDATIONS SHALL BE VIBRATED IN ACCORDANCE W/ IDOT STANDARD PRACTICES.
5. ALL ABOVE ITEMS INCLUDING CONCRETE, REINFORCEMENT, RACEWAYS, GROUND ROD AND FORM WORK SHALL BE INCLUDED IN THE LIGHT POLE CONCRETE FOUNDATION PAY ITEM, OF THE SIZE SPECIFIED.
6. THE TOP 12" OF CONCRETE FOUNDATION SHALL BE 30".
7. THE REBAR CAGE SHALL NOT BE WELDED.
8. PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL".

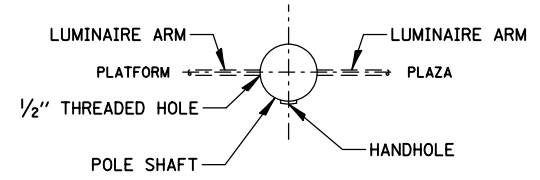
**LIGHT POLE FOUNDATION, 30" SQUARE DETAIL**  
N.T.S.



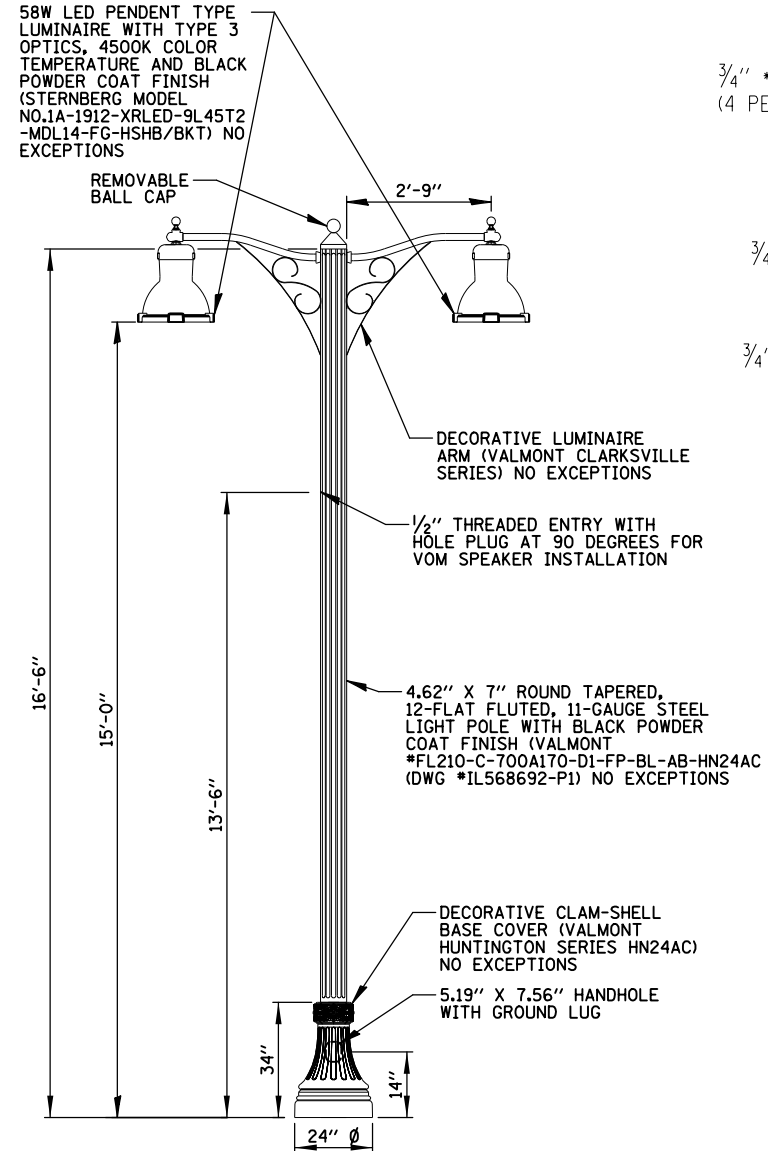
**SPlicing ELECTRIC CABLE**  
N.T.S.

FILE NAME =	USER NAME = mthomas	DESIGNED AJD/RJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DOWNTOWN CARY GATEWAY PLAZA LIGHTING DETAILS (1 OF 4)</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\CARY\150361.00023\Mech\LDT.150361.00023.01.sht	DRAWN RMS/RJJ	REVISED -	22-00074-00-MS			31	26				
Default	PLOT SCALE = 48"	CHECKED AJD	REVISED -			CONTRACT NO. 61K43					
	PLOT DATE = 4/23/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.



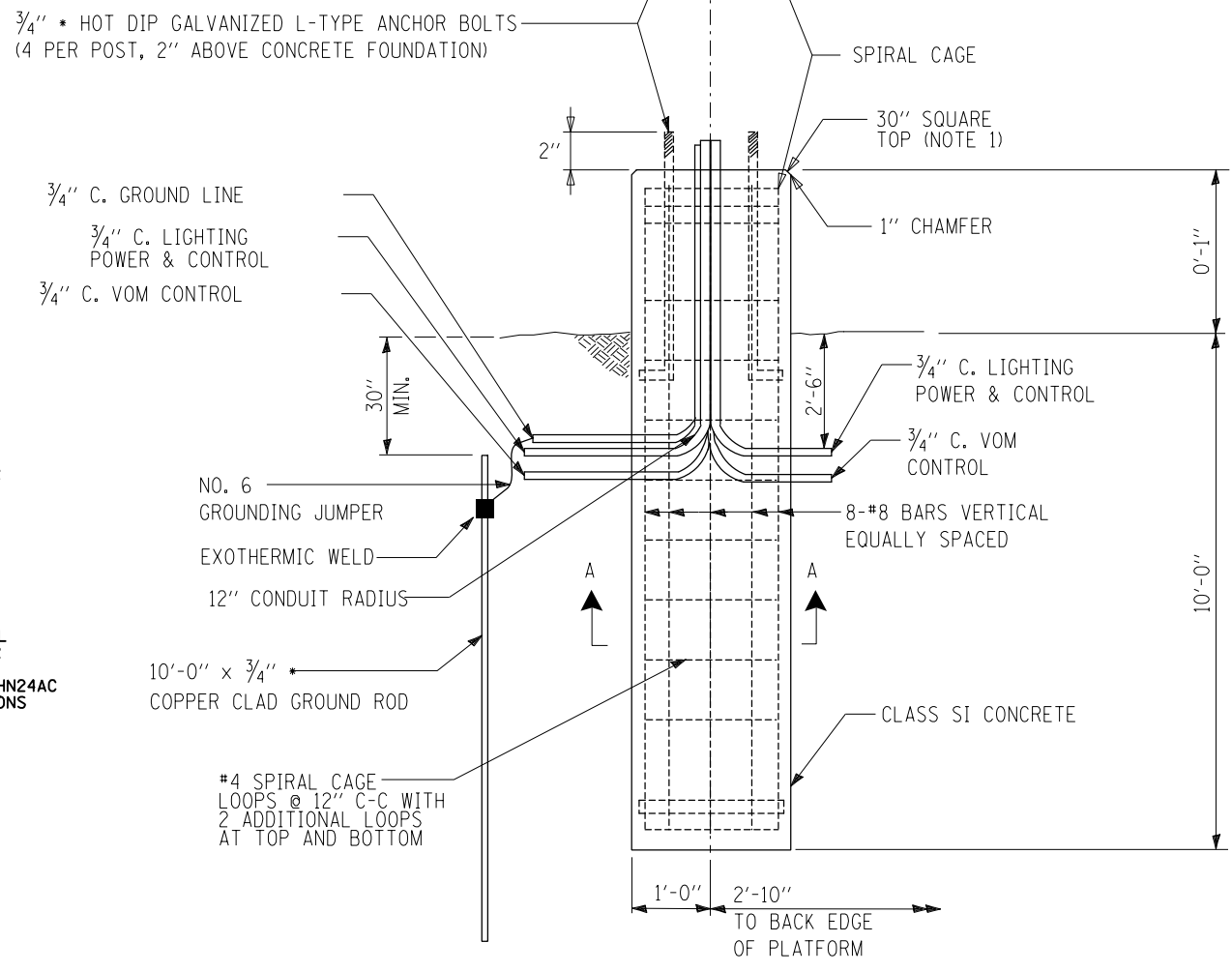
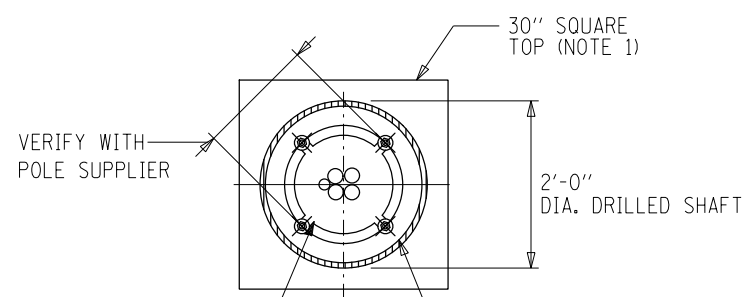


**POSITION OF HANDHOLE DETAIL**  
N.T.S.



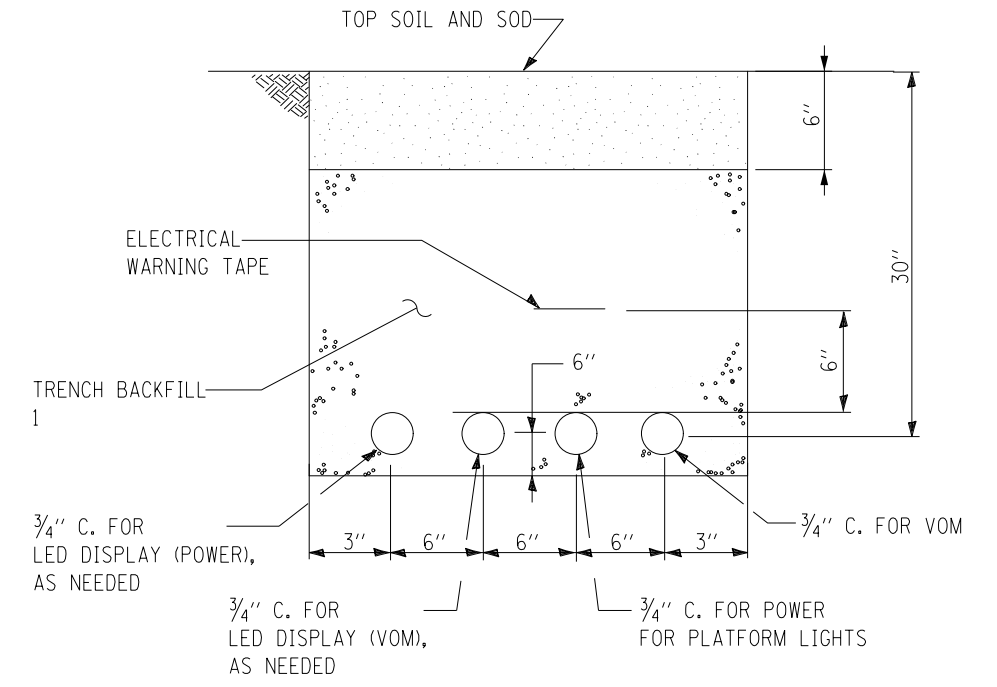
- NOTES:**
1. PAID FOR UNDER "DECORATIVE LIGHTING UNIT, TYPE "D2"" (SEE SPECIAL PROVISIONS).

**METRA OWNED DECORATIVE LIGHTING UNIT D2**  
N.T.S.

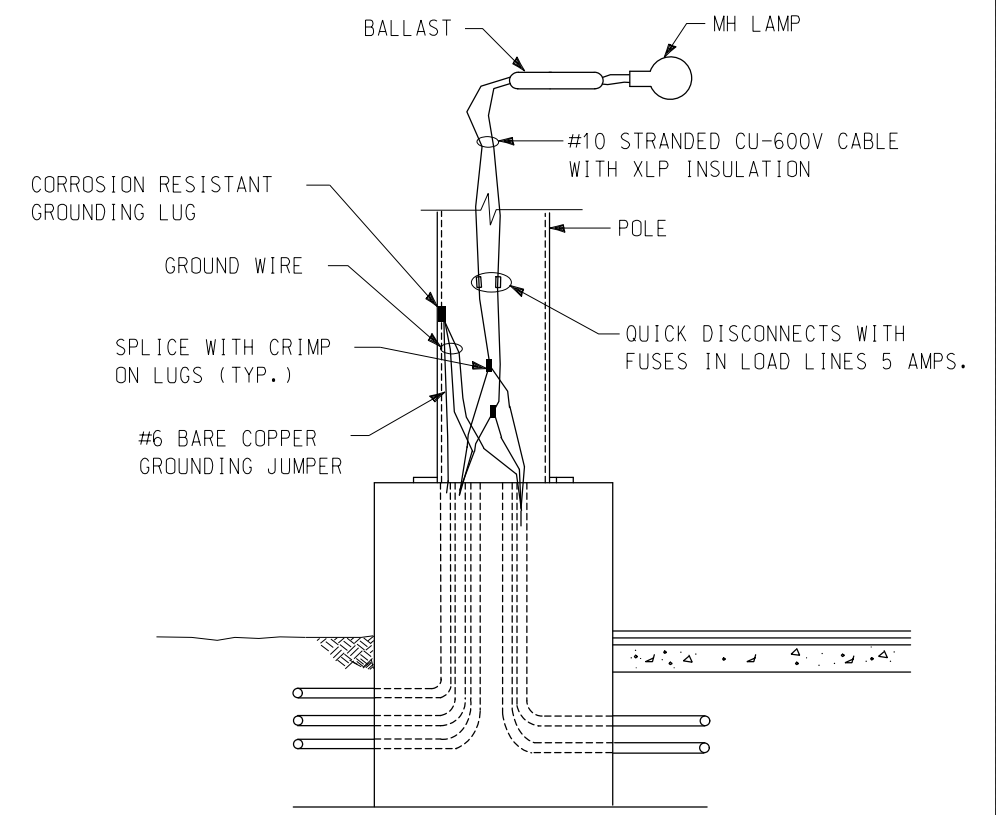


- NOTES:**
1. THE TOP 12" OF CONCRETE FOUNDATION SHALL BE 30".
  2. PAID FOR UNDER "LIGHT POLE FOUNDATION (SPECIAL)".

**FOUNDATION & CONDUITS DETAIL**  
(FOR METRA POLES)



**POWER AND CONTROL CONDUITS TRENCH DETAIL**



PLT03 **TYPICAL POLE WIRING**

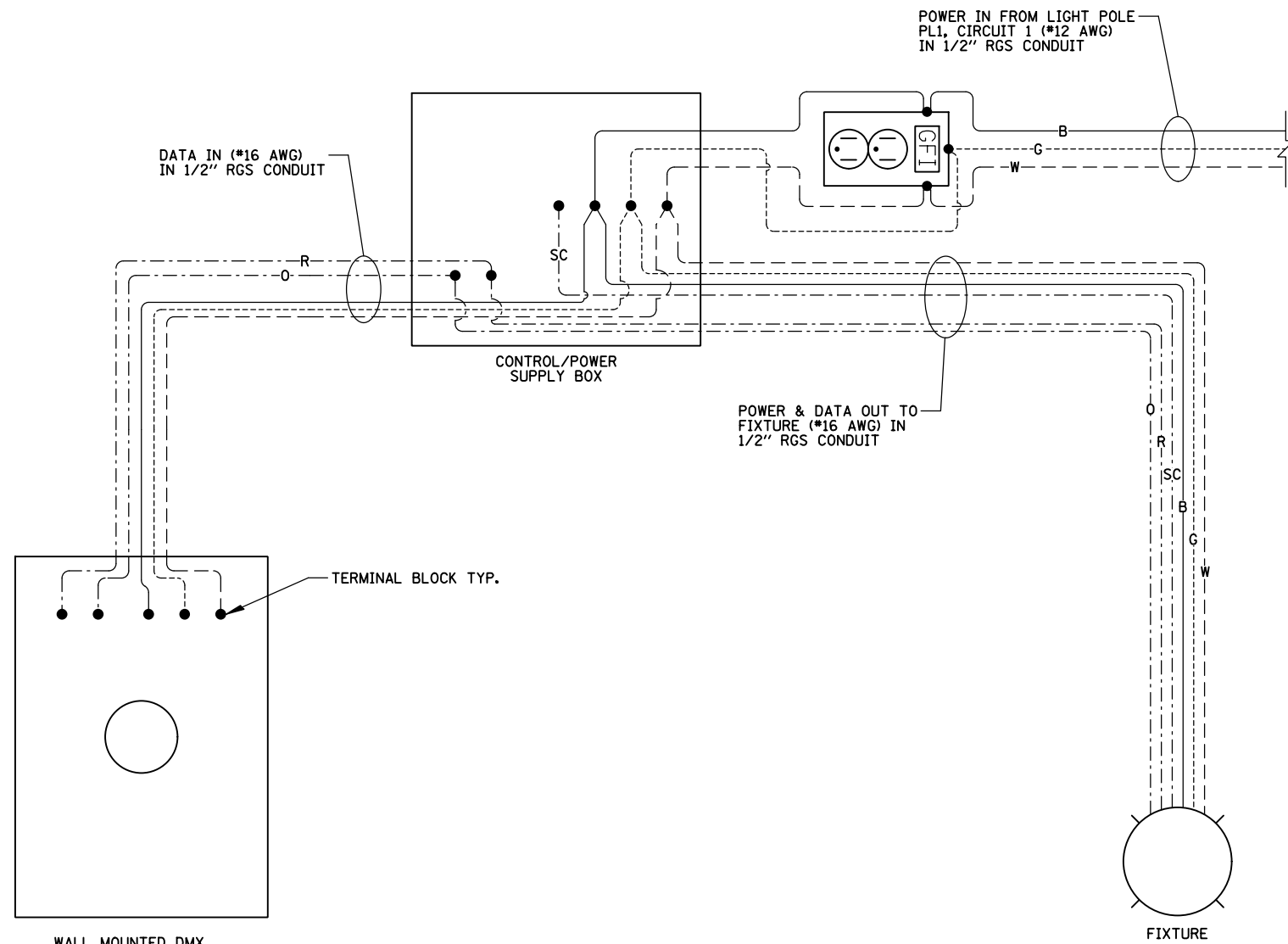
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	PLOT DATE = 4/23/2024	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DOWNTOWN CARY GATEWAY PLAZA**  
**LIGHTING DETAILS (2 OF 4)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00074-00-MS		31	27
			CONTRACT NO. 61K43	
ILLINOIS FED. AID PROJECT				



NOTES:

1. FIXTURE SHALL BE LUMENPULSE \*LBMP-120-RGB-M-SCAN3-BRZ-DMX/RDM NO EXCEPTIONS.
2. CONTROL BOX SHALL BE LUMENPULSE \*CBX-DS-120-DMX/RDM-BRZ NO EXCEPTIONS.
3. WALL MOUNTED DMX CONTROL SWITCH SHALL BE LUMENPULSE \*LTN2-12V-BK NO EXCEPTIONS.
4. CONTRACTOR SHALL WIRE EACH COMPONENT IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDE.

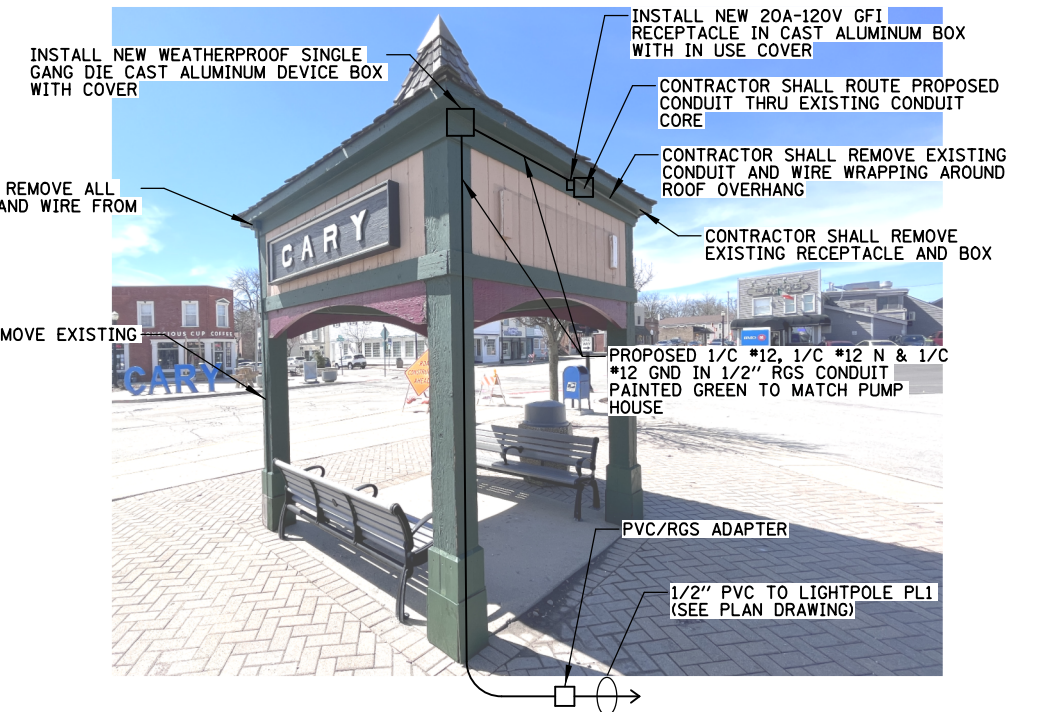
WIRE SCHEDULE			
ID	SYMBOL	COLOR	USE
B	_____	BLACK	HOT
W	-----	WHITE	NEUTRAL
G	-----	GREEN	GROUND
R	-----	RED	0-10V DATA +
O	-----	ORANGE	0-10V DATA -
GR	-----	GREY	SIGNAL COMMON

SWITCH AND RECEPTACLE WIRING DIAGRAM

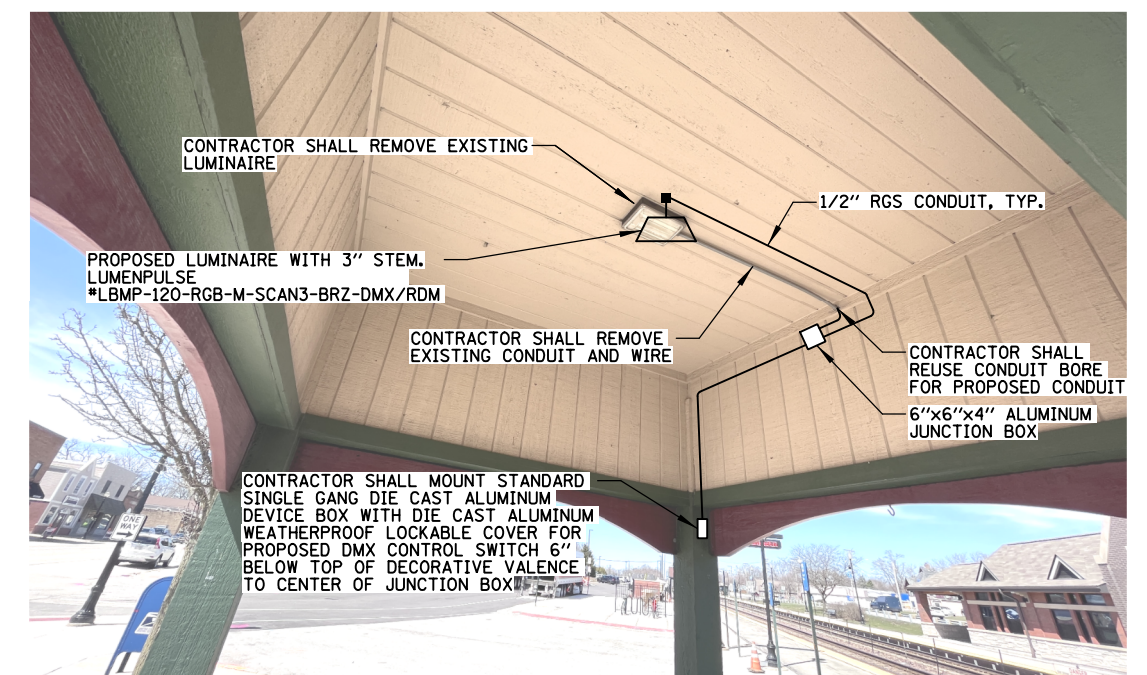
NOTES:

1. ALL WORK ON THIS SHEET, INCLUDING REMOVING ELECTRICAL FEED FROM METRA POLE (UNDERGROUND PVC PAID FOR SEPARATE), SHALL BE PAID FOR UNDER "ELECTRICAL WORK COMPLETE-GATEWAY MONUMENT", SEE SPECIAL PROVISION.

**PUMP HOUSE**  
N.T.S.

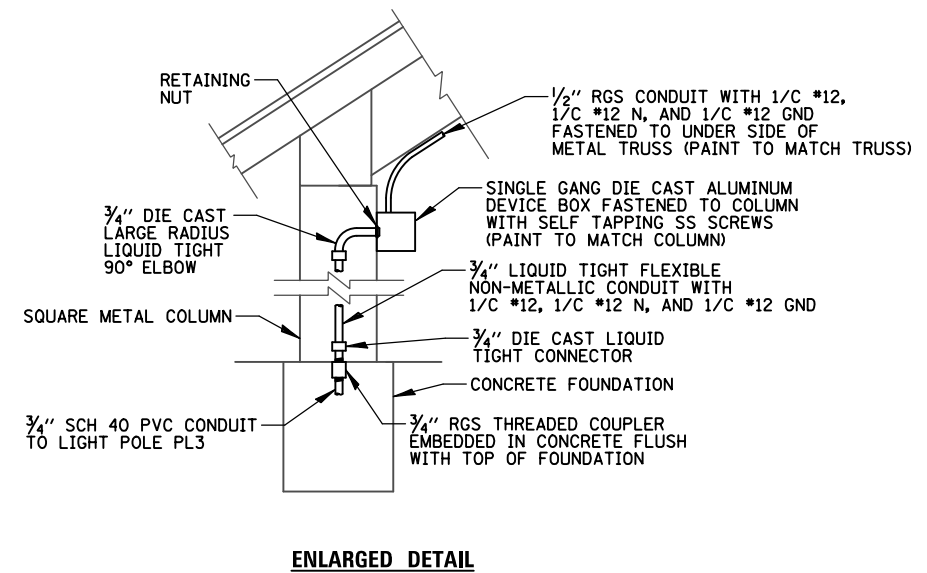
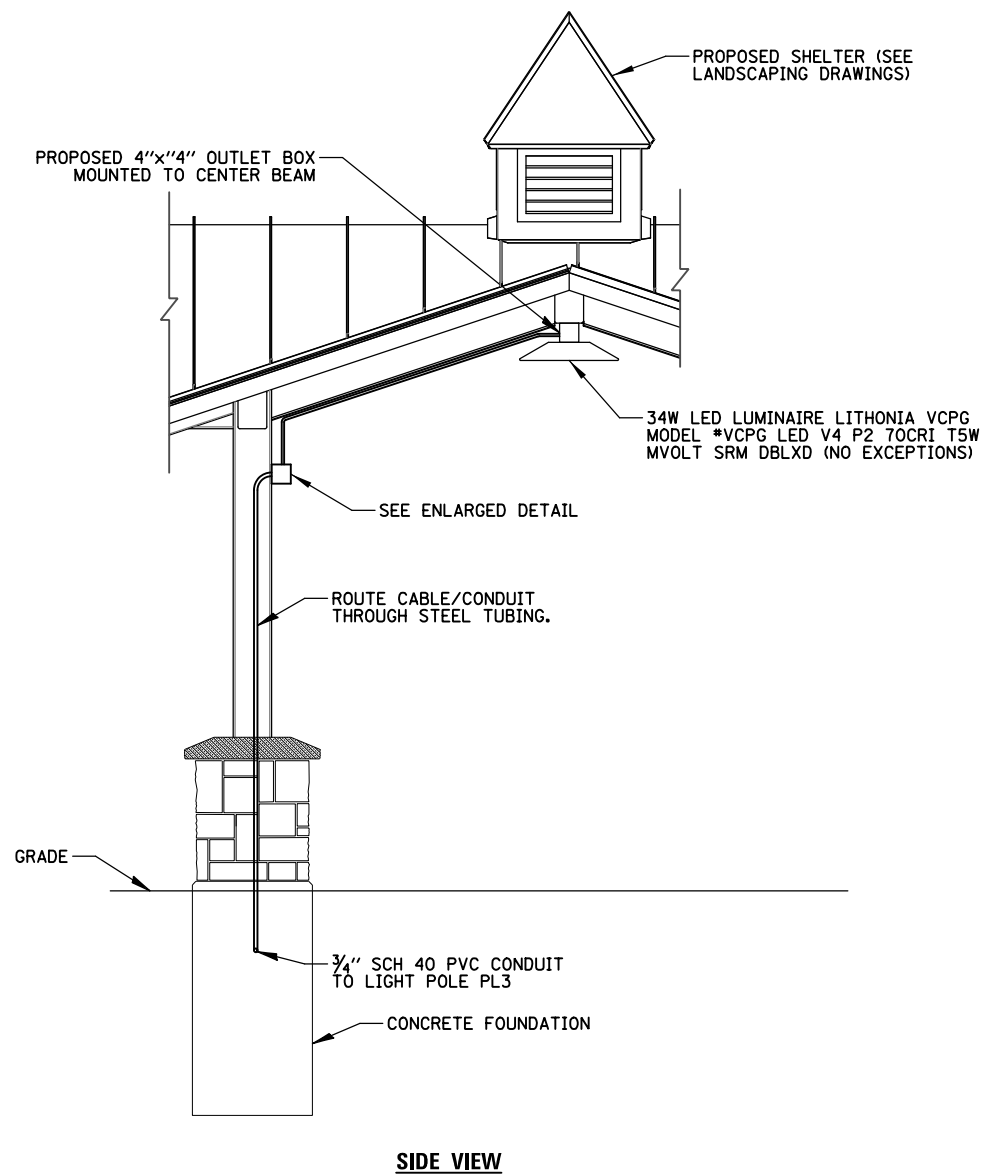


PUMP HOUSE EXTERIOR PROPOSED ELECTRICAL PLAN



PUMP HOUSE INTERIOR PROPOSED ELECTRICAL PLAN



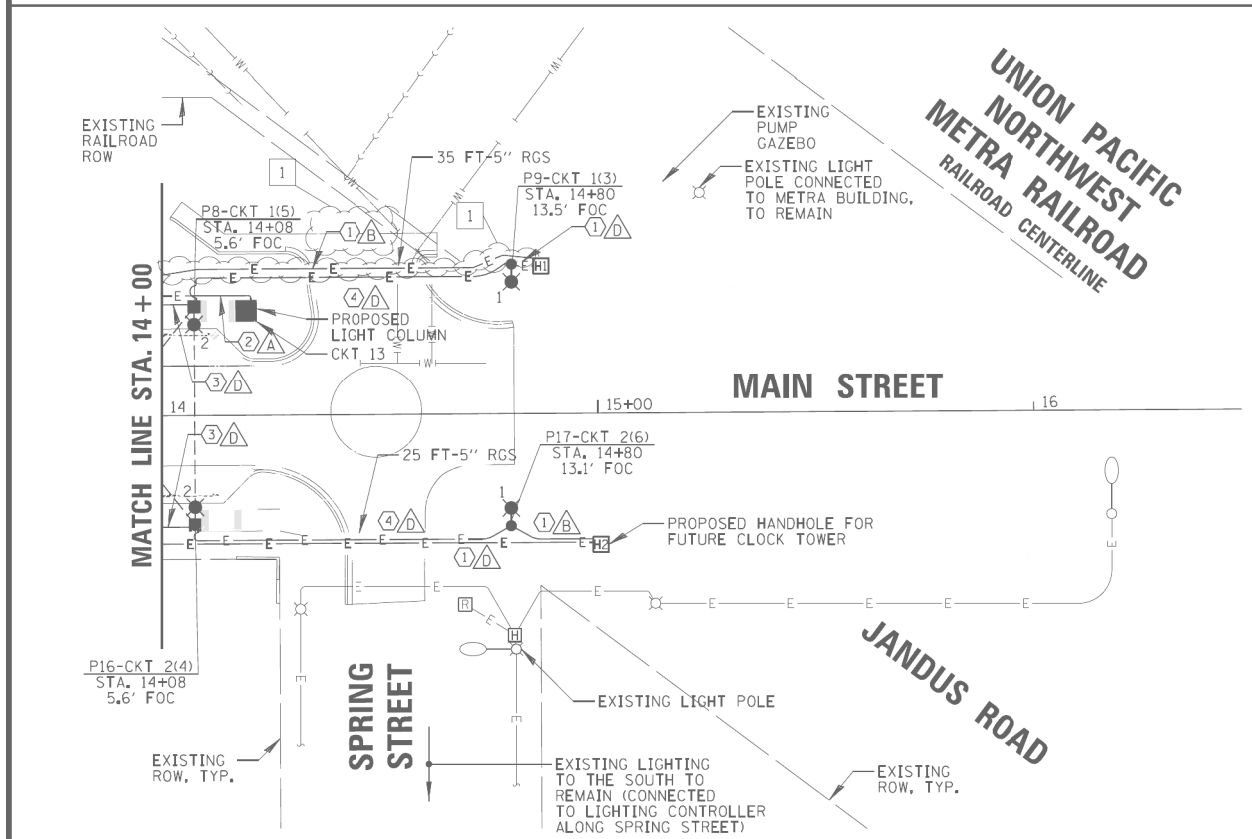
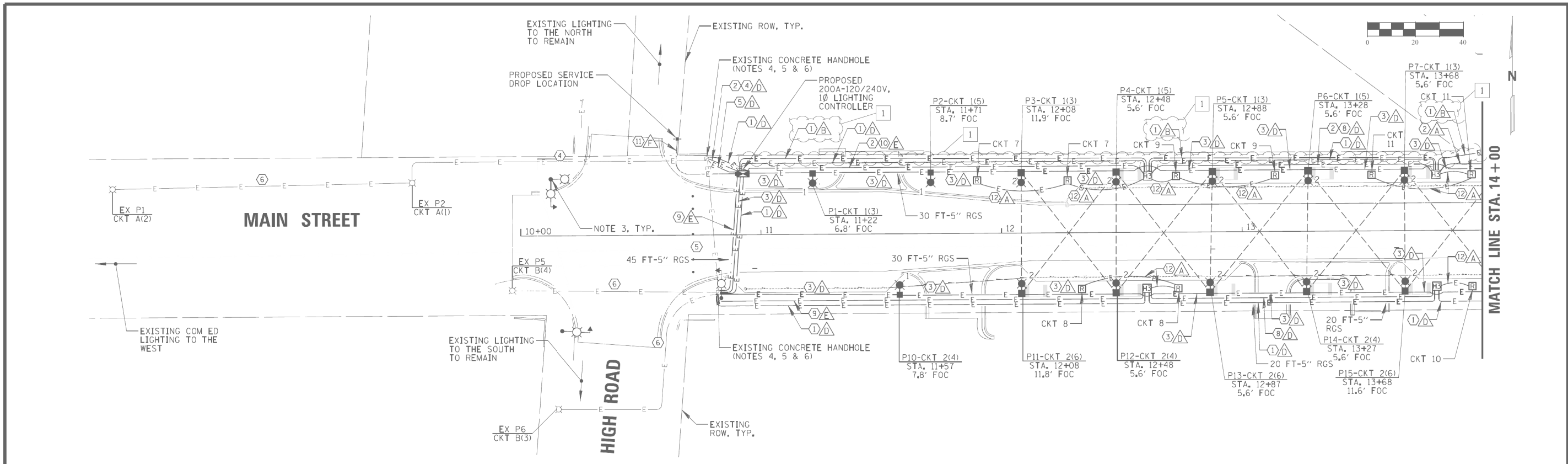


**NOTES:**

1. CONTRACTOR TO ROUTE PROPOSED CONDUIT AND WIRE THROUGH STEEL TUBING TO LUMINAIRE JUNCTION BOX, COORDINATE WITH MANUFACTURER.
2. ALL WORK SHALL BE PAID FOR UNDER "LIGHTING ASSEMBLY (SPECIAL)", SEE SPECIAL PROVISION. UNDERGROUND CONDUIT AND WIRE FROM PL3 TO STRUCTURE PAID FOR SEPARATELY.

**SHELTER ELECTRICAL PLAN**  
N.T.S.

FILE NAME =	USER NAME = mthomas	DESIGNED AJD/RJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DOWNTOWN CARY GATEWAY PLAZA LIGHTING DETAILS (4 OF 4)</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\CARY\150361.00023\Mech\LDT.150361.00023_04.sht	DRAWN RMS/RJJ	REVISED -							22-00074-00-MS		31	29	
Default	PLOT SCALE = 48"	CHECKED AJD	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 61K43	
	PLOT DATE = 4/23/2024	DATE -	REVISED -									ILLINOIS FED. AID PROJECT	



CONDUCTOR SCHEDULE	
ID	DESCRIPTION
①	5/8" WIDE WOVEN POLYESTER FIBER PULL TAPE
②	1/C #10, 1/C #10 NEUTRAL & 1/C #10 GROUND XLP-TYPE USE WIRES
③	1/C #10, 1/C #10 NEUTRAL (LIGHT CKT), 1/C #10, 1/C #10 NEUTRAL (LED LIGHT STRAND), 2/C #10, 1/C #10 NEUTRAL, & 1/C #10 GROUND (FESTOON CKT) XLP-TYPE USE WIRES
④	1/C #10, 1/C #10 NEUTRAL (LIGHT CKT), 2/C #10, 1/C #10 NEUTRAL, & 1/C #10 GROUND (FESTOON CKT) XLP-TYPE USE WIRES
⑤	2/C #10, 2/C #10 NEUTRAL (LIGHT CKT), 2/C #10, 2/C #10 NEUTRAL, & 2/C #10 GROUND (FESTOON CKT) XLP-TYPE USE WIRES
⑥	1/C #10, 1/C #10 NEUTRAL (LIGHT CKT), 1/C #10, 1/C #10 NEUTRAL, & 1/C #10 GROUND (FESTOON CKT) XLP-TYPE USE WIRES
⑦	NOT USED
⑧	1/C #6, 1/C #6 NEUTRAL & 1/C #6 GROUND XLP-TYPE USE WIRES
⑨	2/C #6, 2/C #6 NEUTRAL & 1/C #6 GROUND XLP-TYPE USE WIRES
⑩	3/C #6, 3/C #6 NEUTRAL & 1/C #6 GROUND XLP-TYPE USE WIRES
⑪	3/C #3/0 XLP-TYPE USE SERVICE WIRES
⑫	1/C #12, 1/C #12 NEUTRAL & 1/C #12 GROUND XLP-TYPE USE WIRES
---	HIGH OUTPUT LED LIGHT STRAND WITH LAMPS, PROTECTED BY FROSTED GLOBES, SPACED 18" ON CENTER ON MANUFACTURER'S BLACK FLEXIBLE CORD (TIVOLI MODEL NO. LSL2-B-18-H-40-F-12), SECURED TO A 1/8" SS CABLE (SEE NOTE 2).

CONDUIT SCHEDULE	
ID	DESCRIPTION
A	3/4" SCH 40 PVC CONDUIT
B	1" SCH 40 PVC CONDUIT
C	NOT USED
D	1 1/2" SCH 40 PVC CONDUIT
E	2" SCH 40 PVC CONDUIT
F	2 1/2" RGS CONDUIT

**LIGHTING NOTES**

- CONTRACTOR SHALL INSTALL PROPOSED BRANCH CIRCUIT CABLES IN EXISTING CONDUITS AT LOCATION SHOWN ON THE PLAN. EXISTING CONDUITS SHALL BE CLEANED AS REQUIRED FOR INSTALLATION OF NEW CABLES. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY BLOCKAGES OR BROKEN CONDUIT WHICH PREVENT PROPOSED CABLES FROM BEING INSTALLED IN EXISTING CONDUITS.
- CONTRACTOR SHALL SECURE PROPOSED LED LIGHT STRANDS TO 1/8" STAINLESS STEEL CABLE (SUPPLIED BY CONTRACTOR) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND WITH MANUFACTURER MOUNTING HARDWARE. CONTRACTOR SHALL FURNISH AND INSTALL ANCHOR SHACKLES AND BOLT CLAMPS AS REQUIRED TO CONNECT STAINLESS STEEL CABLE TO SPAN-WIRE CLAMPS LOCATED ON PROPOSED LIGHT POLES.
- PROPOSED COMBINATION LIGHT POLE, NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED TRAFFIC SIGNAL PLANS.
- CONTRACTOR SHALL DRILL EXISTING CONCRETE HANDHOLE FOR THE PROPOSED CONDUIT(S) AS SHOWN ON PLANS. THE SIZE OF THE HOLE SHALL BE AS CLOSE AS POSSIBLE TO THE SIZE OF THE CONDUIT. THE ANNULAR SPACE BETWEEN THE CONDUIT AND HANDHOLE WALL SHALL BE CAULKED WITH WATERPROOF GROUT.
- CONTRACTOR SHALL GROUND/BOND EXISTING CONCRETE HANDHOLE FRAME AND LID. SEE DETAILS.
- CONTRACTOR SHALL REBUILD EXISTING HANDHOLE.

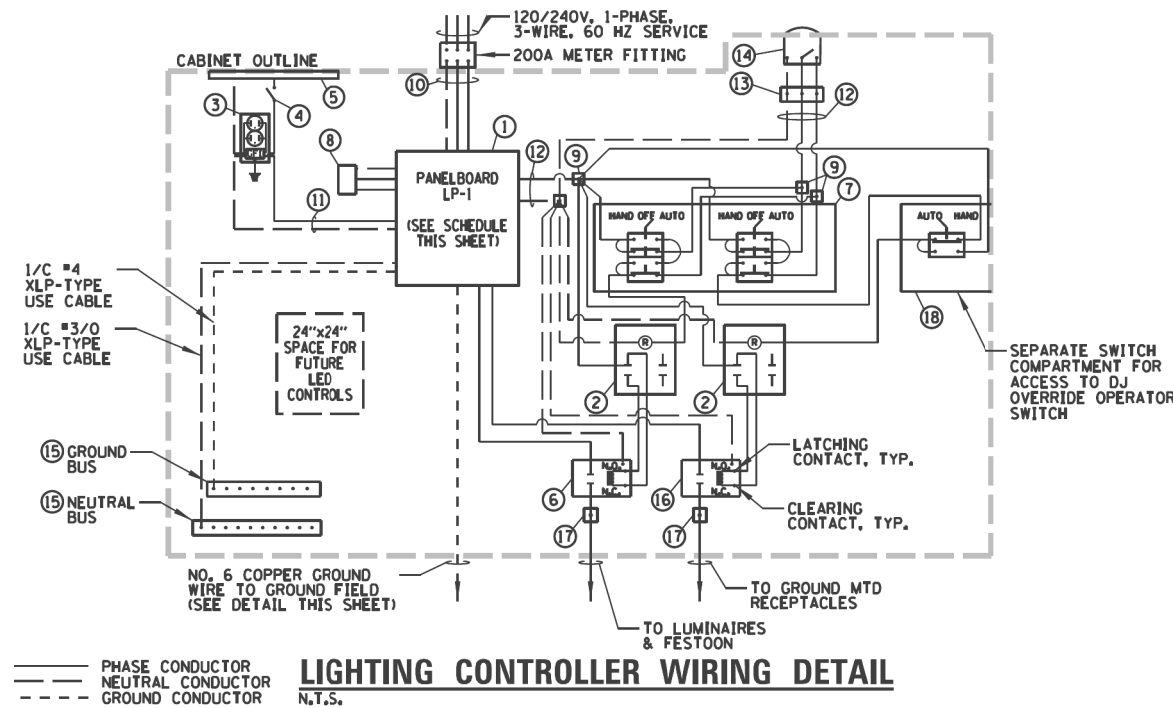
**RECORD DRAWING FOR INFORMATION ONLY**

<p><b>CHRISTOPHER B. BURKE ENGINEERING, LTD.</b> 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>	<p>CLIENT:</p> <p><b>VILLAGE OF CARY</b> 755 GEORGETOWN DRIVE CARY, ILLINOIS 60013</p>	<p>DSGN: AJD</p> <p>DWN: RJJ</p> <p>CHKD: AJD</p> <p>SCALE: 20'</p> <p>PLOT DATE: 4/13/2023</p> <p>FILE NAME: N:\CARY\160434\Mech\LGT\J60434_0L.shp</p>	<p>TITLE:</p> <p><b>DOWNTOWN CARY STREETSCAPE IMPROVEMENTS PROPOSED LIGHTING PLAN</b></p>	<p>PROJ. NO. 160434</p> <p>DATE: 4/13/2023</p> <p>SHEET 25 OF 46</p> <p>DRAWING NO. 25</p>
		<p>4/13/23 CONSTRUCTION REVISION #1</p> <p>NO. DATE NATURE OF REVISION</p> <p>FILE NAME N:\CARY\160434\Mech\LGT\J60434_0L.shp</p>	<p>AJD</p> <p>CAD USER: dderlcco</p> <p>CHKD. MODEL: Default</p>	

ITEM	SPECIFICATION	MFG./MODEL NO. OR APPROVED EQUAL
① LIGHTING PANELBOARD LP-1	200A MAIN BREAKER, 120/240V, 30 SPACE, 22KAIC, WITH INTERIOR ONLY, BOLT ON BREAKERS (SEE PANELBOARD SCHEDULE)	SQUARE D NO. NOB550
② AUXILIARY RELAY	(2) 30A-120 V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS, PLUG IN TYPE	MAGNECRAFT NO. 389 FBXC1-120A
③ CABINET RECEPTACLE AND BOX	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF CAST ALUMINUM SINGLE GANG BOX WITH WEATHERPROOF COVER	RECEPTACLE: LEVITON NO. 8899, BOX: APPLETON NO. WSM150 COVER: APPLETON NO. WHG1
④ DOOR SWITCH	20A/120V, DOOR MOUNTED SNAP ACTION TYPE PLUNGER SWITCH	OMRON NO. A-20G0-K
⑤ CABINET LIGHT	5 WATT LED STRIP LIGHT, 60K HOUR RATING, DOOR SWITCH CONTROLLED, FASTENED TO TOP OF CABINET	PENTAIR NO. LEDAIS35
⑥ LIGHTING CONTACTOR	30A, 12-POLE, 120V COIL, MECH HELD, OPEN TYPE	SQUARE D NO. LO1200 V02
⑦ HAND-AUTO-OFF CONTROL SWITCH	(2) 20A, 3 POS, MTD IN 2-GANG CAST ALUM. BOX	SQUARE D NO. 9001 KYK III
⑧ SURGE ARRESTOR	10 K AMPERE RATING	SQUARE D NO. SDSA 1175
⑨ POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQ'D, 10KAIC	MARATHON
⑩ SERVICE CABLES	3-600V (XLP-TYPE USE) NO. 3/8 AWG	N/A
⑪ CABINET RECEPTACLE/LIGHT WIRE	2-600V MTW NO. 12, MARKED W/ BRADY MARKERS	N/A
⑫ CONTROL/PHOTOCELL WIRE	2-600V MTW NO. 12, MARKED W/ BRADY MARKERS	N/A
⑬ PHOTOCELL TERMINAL BLOCK	3 TERMINAL, SCREW TYPE, #14-#10 WIRE SIZE	CINCH NO. 3-142
⑭ PHOTOCELL	120V, MTD, ON CABINET, DELAY TYPE, SPST-NC	FISHER PIERCE NO. FPFA-105M
⑮ GROUND & NEUTRAL COPPER BUS	NEUTRAL BUS-MIN 16 TERMINATIONS (#1/0-#10) & GROUND BUS-MIN 16 TERMINATIONS (#1/0-#10); BUSES SHALL BE HORIZ & LOCATED AT THE BASE OF CABINET	ERICO NO. TCB
⑯ RECEPTACLE CONTACTOR	30A, 8-POLE, 120V COIL, MECH HELD, OPEN TYPE	SQUARE D NO. L080 V02
⑰ TERMINAL BLOCK	20A, 240V, #12-#1/0 AWG WIRE RANGE (MAX 3 #10 PER LUG), INSULATED, CKTS SHALL BE LABELED	SQUARE D NO. G06
⑱ DJ OVERRIDE OPERATOR SWITCH	2 POSITION, NON-ILLUMINATED PUSH-PULL MUSHROOM TYPE OPERATOR MTD IN SIDE ACCESS DOOR	SQUARE D NO. 9001 KR9R94H13

- NOTES:**
- THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.
  - THE MAIN CIRCUIT BREAKER SHALL BE LABELED "SERVICE DISCONNECT."
  - ALL SWITCHES AND CONTROLS SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAME PLATE.
  - THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.
  - ALL EXPOSED BUS BARS SHALL BE INSULATED.
  - ALL WIRING SHALL BE COPPER.

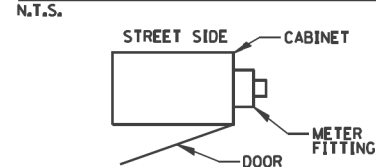
### LIGHTING CONTROLLER COMPONENT SCHEDULE



PANELBOARD SCHEDULE LP-1											
FED FROM: COM ED VOLTAGE: 120/240V, 1 PH, 3W BUS SIZE: 225 MAINS: 200A - MAIN BREAKER SPACES: 30 SHORT CKT RATING: 22KAIC BONDING JUMPER: YES MOUNTING: SURFACE						TOT. 'A' PHASE: 5580 VA TOT. 'B' PHASE: 8230 VA TOTAL 'A' + 'B': 13810 VA TOTAL AMPS: 66.8 A					
WIRE COLORS	CKT #	CB/POLES	DESCRIPTION	A PH VA	B PH VA	A PH VA	B PH VA	DESCRIPTION	CB/POLES	CKT #	WIRE COLORS
R	1	20A	STREET LIGHTING CKT (N)	584	536			STREET LIGHTING CKT B	20A	2	R
O	3	20A-2P	FESTOON RECEPTACLE CKT (N)	900				FESTOON RECEPTACLE CKT (S)	20A-2P	4	O
BL	5		FESTOON RECEPTACLE CKT (N)	720	900			FESTOON RECEPTACLE CKT (S)		6	BL
B	7	20A	TREE RECEPTACLES (N)	1440	1440			TREE RECEPTACLES (S)	20A	8	B
R	9	20A	TREE RECEPTACLES (N)	1440	720			TREE RECEPTACLE (S)	20A	10	R
B	11	20A	TREE RECEPTACLES (N)		1440			SPARE	20A	12	B
R	13	20A	LIGHTED COLUMN (N)	150	50			LED LIGHT STRING (S)	20A	14	R
	16	20A	CABINET LITE/RECEPTACLE		1920		100	LED LIGHT STRING (N)	20A	16	B
R	17	20A	IRRIGATION CONTROLLER	100			150	PHOTOCELL/CONTACTOR	15A	18	R
B	19	20A	IRRIGATION HEATER		90			SPARE	20A	20	B
	21	20A-2P	SURGE PROTECTOR					SPARE	20A	22	
	23		SPACE					SPACE		24	
	25	20A	SPACE					SPACE		26	
	27		SPACE					SPACE		28	
	29		SPACE					SPACE		30	
SUBTOTALS:				3004	5790	2355	2440				

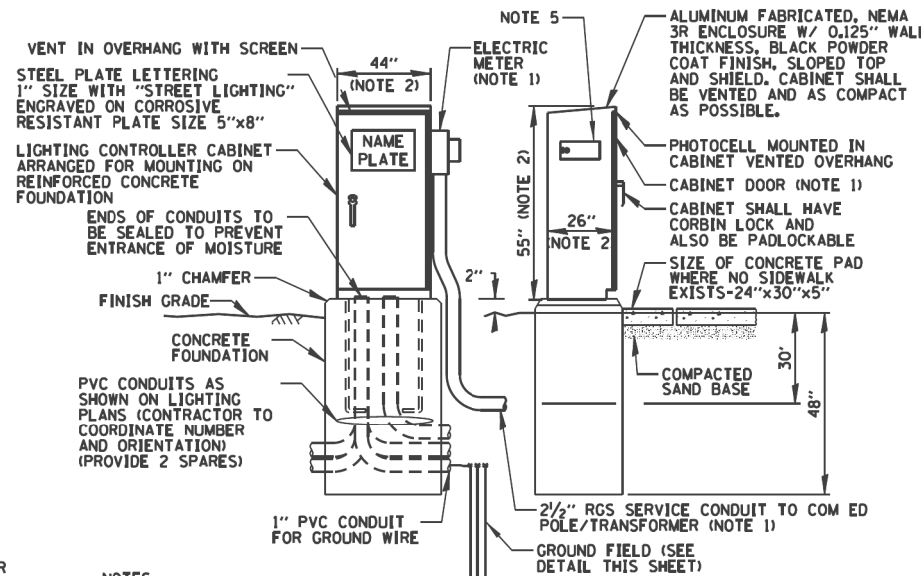
- NOTES:**
- ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE.
  - BRANCH CIRCUIT WIRING COLORS: (B) BLACK, (R) RED, (BL) BLUE, & (OR) ORANGE

### PANELBOARD SCHEDULE LP-1



### CABINET METER FITTING AND DOOR ORIENTATION

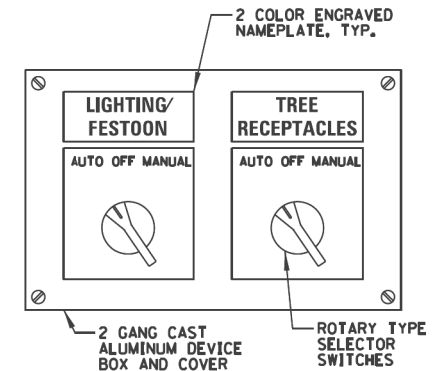
N.T.S.



- NOTES:**
- SEE DETAIL THIS SHEET FOR CABINET METER FITTING & DOOR ORIENTATION.
  - CABINET DIMENSIONS SHOWN ARE APPROXIMATE, CABINET SHALL BE AS COMPACT AS POSSIBLE, CONTRACTOR TO COORDINATE.
  - ALL ITEMS SHOWN ON THIS DRAWING (INCLUDING FOUNDATION & GROUND FIELD) SHALL BE INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER, BASE MOUNTED, 240V, 200A" EXCEPT FOR THE SERVICE CONDUIT/WIRE WHICH WILL BE PAID FOR SEPARATELY.
  - PAINT METER FITTING AND SERVICE PIPE BLACK TO MATCH CABINET.
  - 3"Hx5"W GASKETED SIDE ACCESS DOOR FOR DJ OPERATOR SWITCH, DOOR SHALL BE PROVIDED WITH QUARTER TURN SCREW AND PADLOCKABLE HASP.

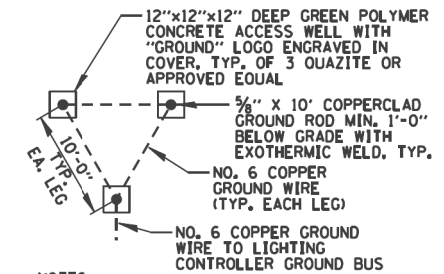
### LIGHTING CONTROLLER CABINET AND FOUNDATION

N.T.S.



### CAST ALUMINUM SWITCH BOX DETAIL

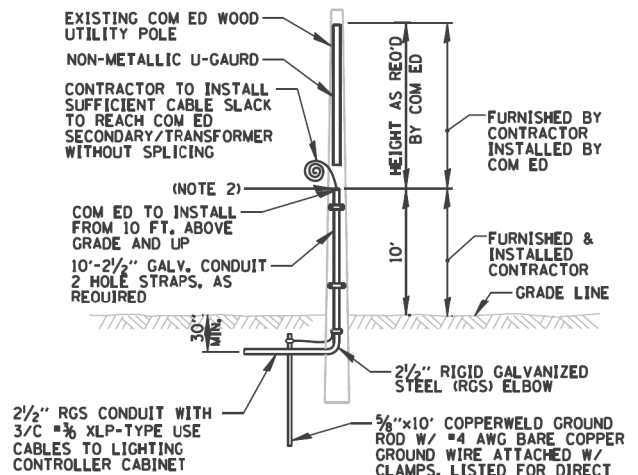
N.T.S.



- NOTES:**
- ACCESS WELL SHALL BE INCLUDED IN THE LIGHTING CONTROLLER PAY ITEM.

### GROUND FIELD DETAIL

N.T.S.



- NOTES:**
- ALL WORK SHALL CONFORM TO COM ED'S BOOK OF "INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRIC SERVICE."
  - CONTRACTOR SHALL PROVIDE CONDUIT BUSHING AND SEALING COMPOUND AT TOP OF RISER.
  - 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.

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

**CLIENT:** VILLAGE OF Cary  
655 VILLAGE HALL DRIVE  
CARY, ILLINOIS 60013

**RECORD DRAWING FOR INFORMATION ONLY**

AJD	RJJ	DRK	TITLE

**DOWNTOWN CARY STREETScape IMPROVEMENTS LIGHTING DETAILS (1 OF 5)**

PROJ. NO.	160434
DATE:	9/28/2022
SHEET 20 OF 40	
DRAWING NO.	
	20