

01-17-2025 LETTING ITEM 086

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 | |

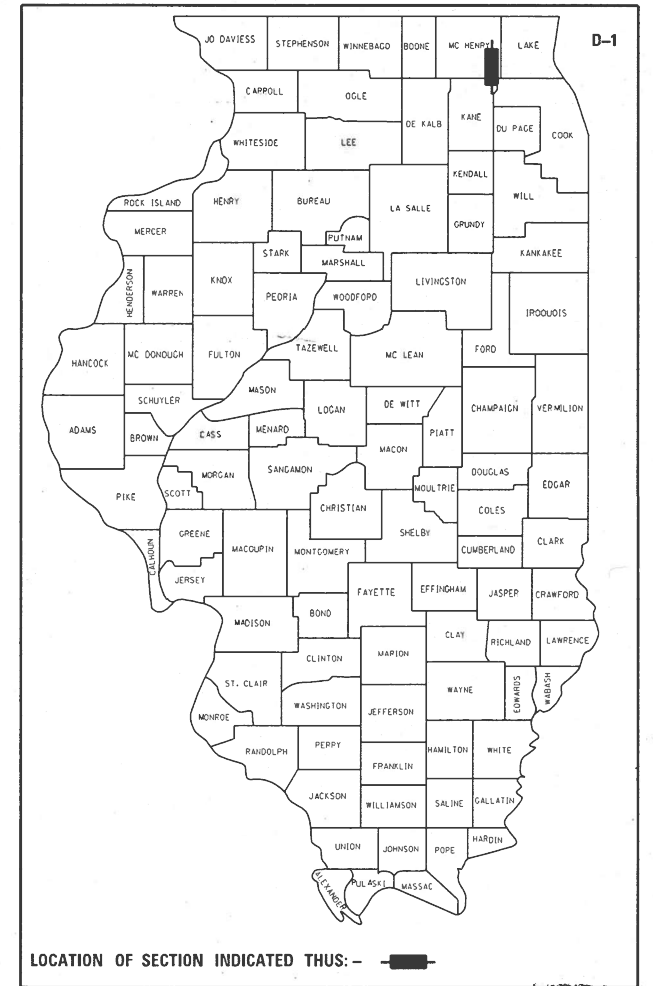
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS
SEE SHEET 2

THIS PROJECT PASSES THROUGH:
VILLAGE OF CARY

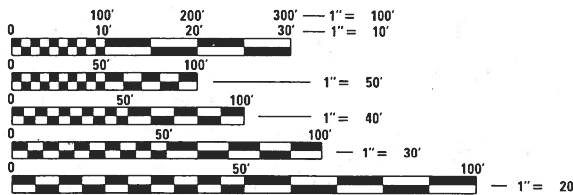
TRAFFIC DATA
MAIN STREET
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
ADT=5,450 VEHICLES PER DAY (2021)
30 MPH POSTED SPEED

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



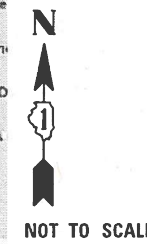
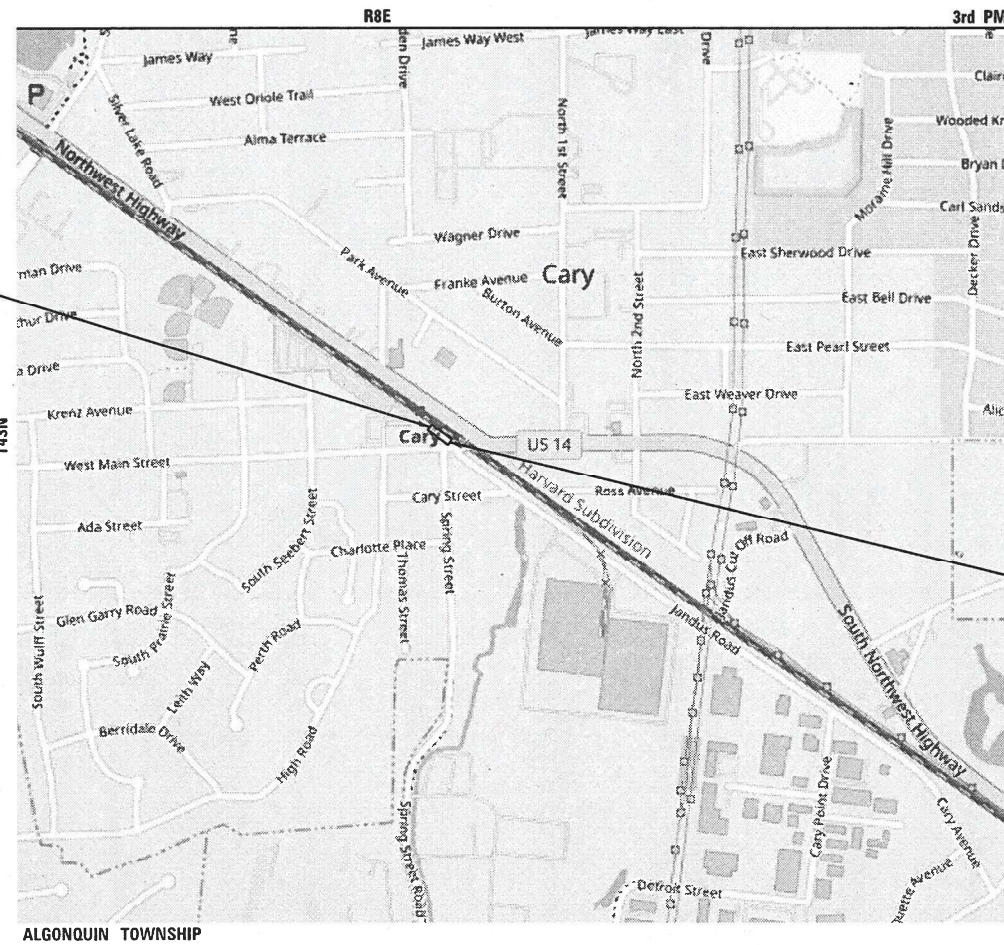
PROJECT BEGINS
STA 49+96.42

PROJECT ENDS
STA 52+01.86



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



MARK B. THOMAS
 ILLINOIS REGISTRATION No. 062-057218
 EXPIRATION DATE: 11/30/2025

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

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

APPROVED Kealan Noonan 10/25/2024
 DIRECTOR OF PUBLIC WORKS AND ENGINEERING
 VILLAGE OF CARY

PASSED OCT 29, 2024
[Signature]
 DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID
 BASED ON LIMITED
 REVIEW
Nov 1st, 2024
[Signature]
 REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 61K43

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAMBURG, 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; REVISION 3, NOVEMBER 2021 VERSION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE DECEMBER 2023, 11TH EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), THE "DETAILS" IN THE PLANS 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 |
| 3-8 | SUMMARY OF QUANTITIES |
| 9 | TYPICAL SECTIONS |
| 10 | ALIGNMENTS, TIES AND BENCHMARKS |
| 11 | EXISTING CONDITIONS AND REMOVAL PLAN |
| 12 | PROPOSED PLAN |
| 13 | PROPOSED GRADING PLAN |
| 14 | MAINTENANCE OF TRAFFIC |
| 15-16 | CONSTRUCTION DETAILS |
| 17-23 | LANDSCAPE PLANS |
| 24-31 | LIGHTING PLANS |

HIGHWAY STANDARDS

| | |
|-------------|---|
| 000001 - 08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 424001 - 12 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424011 - 05 | 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 - 10 | 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

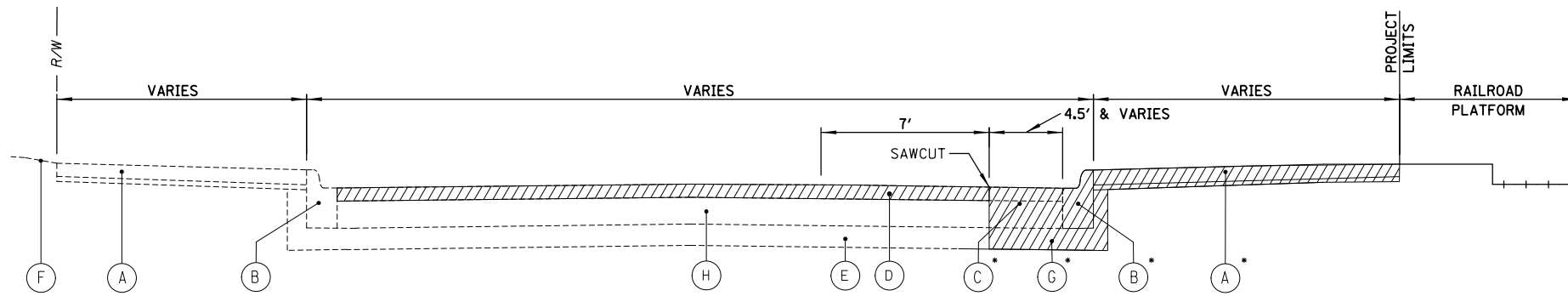
COMMITMENTS

NONE

| | | | | | | | | | | | |
|-------------|---------------------|------------|-----------|---|--|----------------|-----------------|--------------------|---------------------------|--------------|---|
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| | | DRAWN - | REVISED - | | | | | 22-00074-00-MS | MCHENRY | 31 | 2 |
| | | CHECKED - | REVISED - | | | | | CONTRACT NO. 61K43 | | | |
| Default | | DATE - | REVISED - | | | SCALE: | SHEET OF SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | |

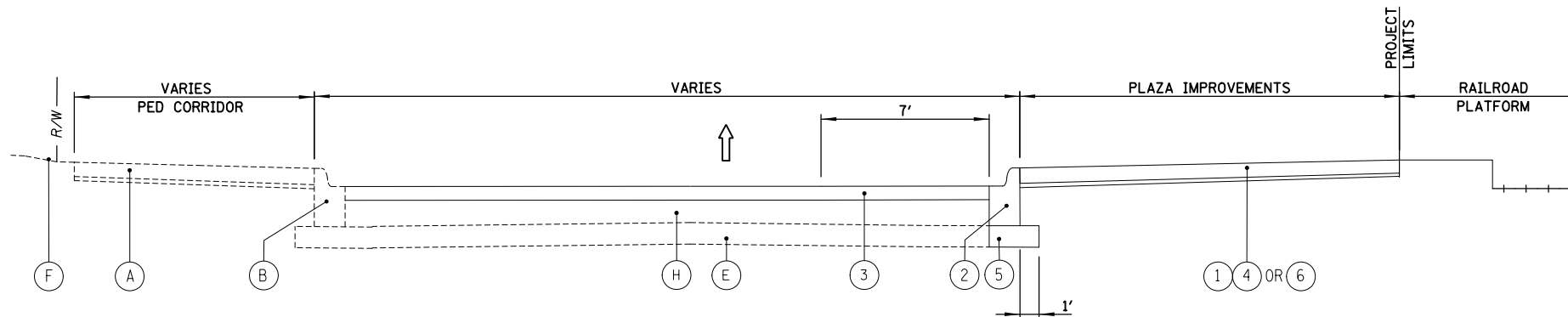
| SPECIALTY | CODED PAY ITEM NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY 0004 |
|-----------|--------------------|--|-------|----------------|--------------|
| | 20200100 | EARTH EXCAVATION | CU YD | 65 | 65 |
| | 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 200 | 200 |
| | 20800150 | 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 | 814 | 814 |
| | 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 | 5692 | 5692 |
| | 42400410 | PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH | SQ FT | 250 | 250 |
| | 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 |

| SPECIALTY | CODED PAY ITEM NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY 0004 |
|-----------|--------------------|--|-------|----------------|--------------|
| Δ | X8250505 | LIGHTING CONTROLLER, SPECIAL | EACH | 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 |
| 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 |



* 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 |
|--|-------------------|-----------|
| RESURFACING | | |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" | 4% @ 50 GYR. | LR-1030-2 |
| CLASS D PATCHES | | |
| 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

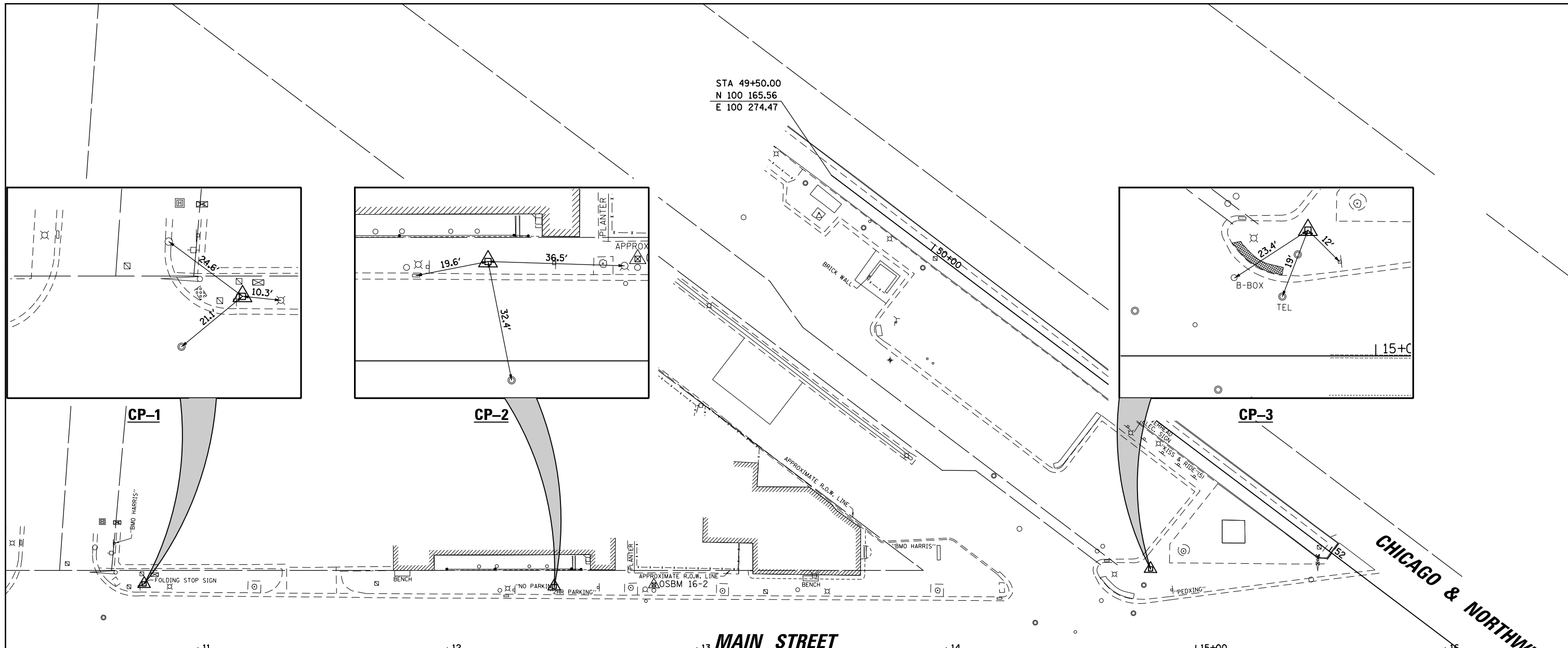
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|---|-----------------------|------------|-----------|
| FILE NAME = | USER NAME = mthomas | DESIGNED - | REVISED - |
| N:\CARY\150361.00023\Civil\TYP.150361.023.dwt | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 3/4" | CHECKED - | REVISED - |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

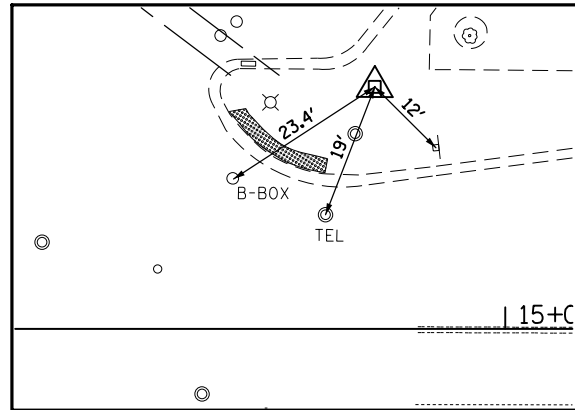
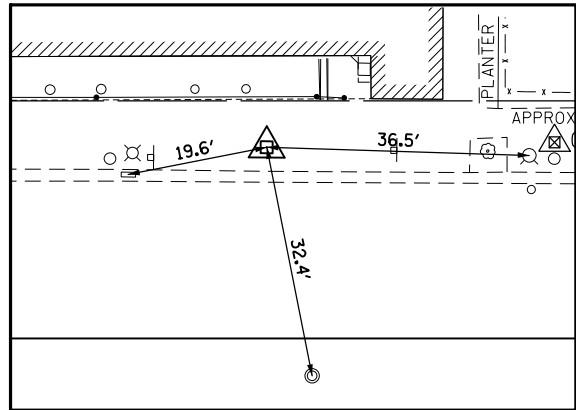
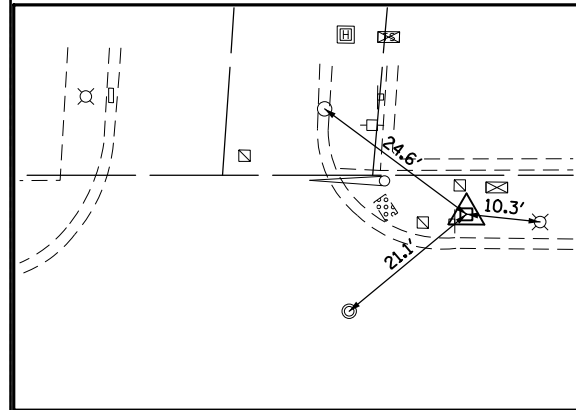
DOWNTOWN CARY GATEWAY PLAZA
TYPICAL SECTIONS

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 | | | | |



STA 49+50.00
N 100 165.56
E 100 274.47



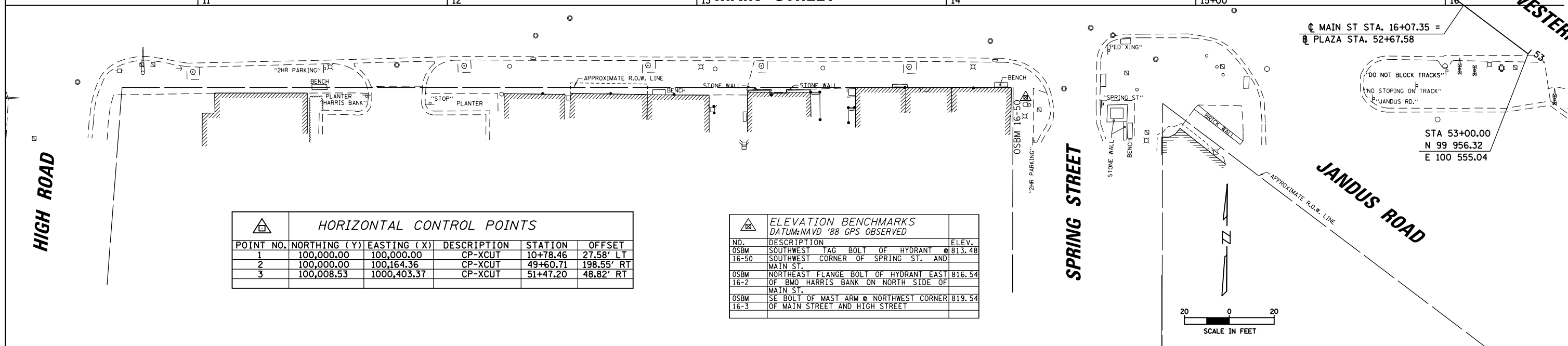
CP-1

CP-2

CP-3

MAIN STREET

CHICAGO & NORTHWESTERN

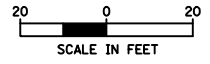


MAIN ST STA. 16+07.35 =
PLAZA STA. 52+67.58

STA 53+00.00
N 99 956.32
E 100 555.04

| 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 |



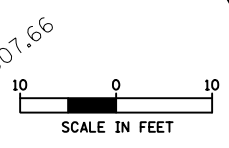
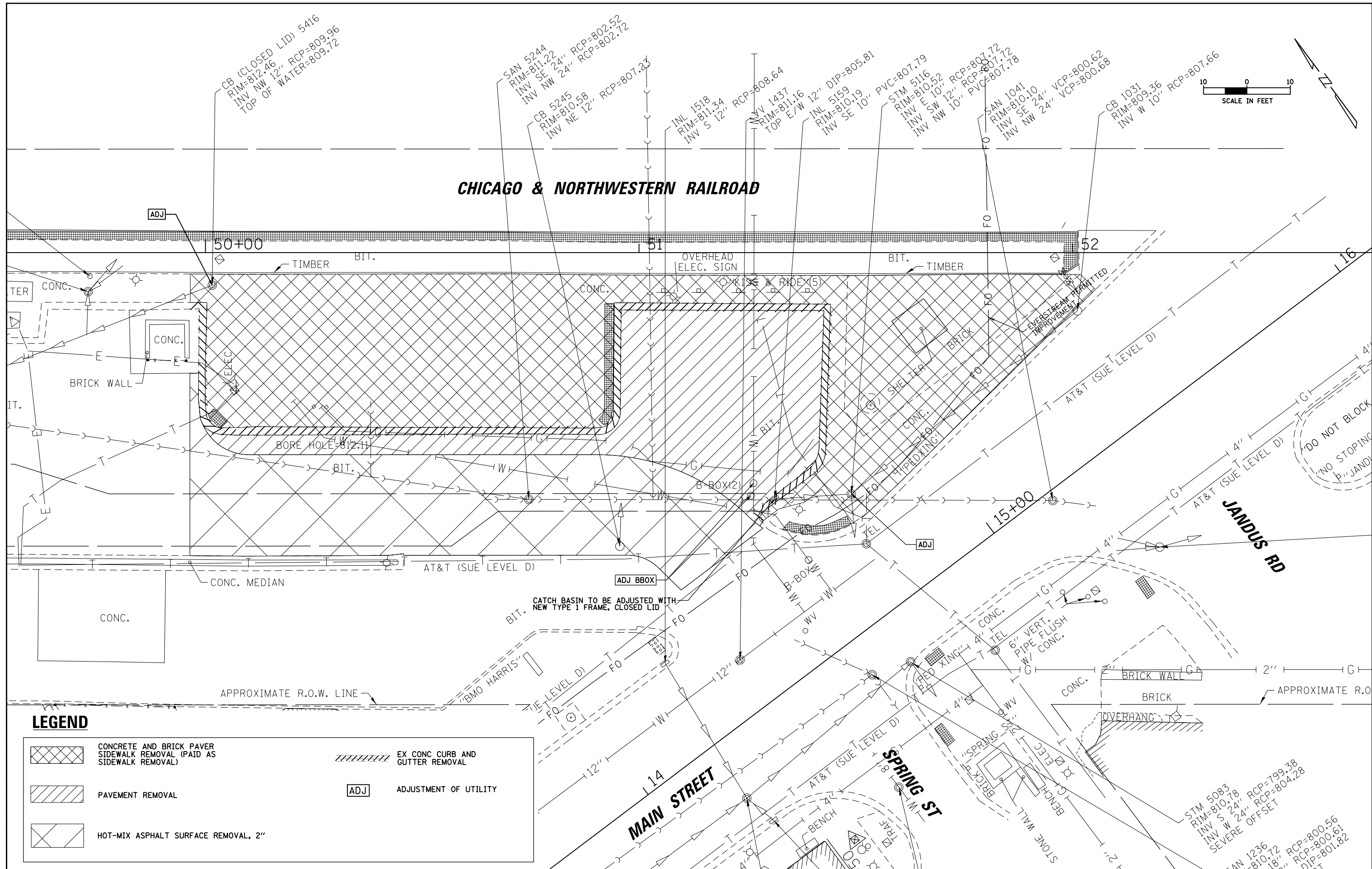
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| Default | PLOT SCALE = 48" | CHECKED - | REVISED - |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - |

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 | 10 |
| 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 | ADJ | ADJUSTMENT OF UTILITY |
| | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | | |

| | | | |
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| | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

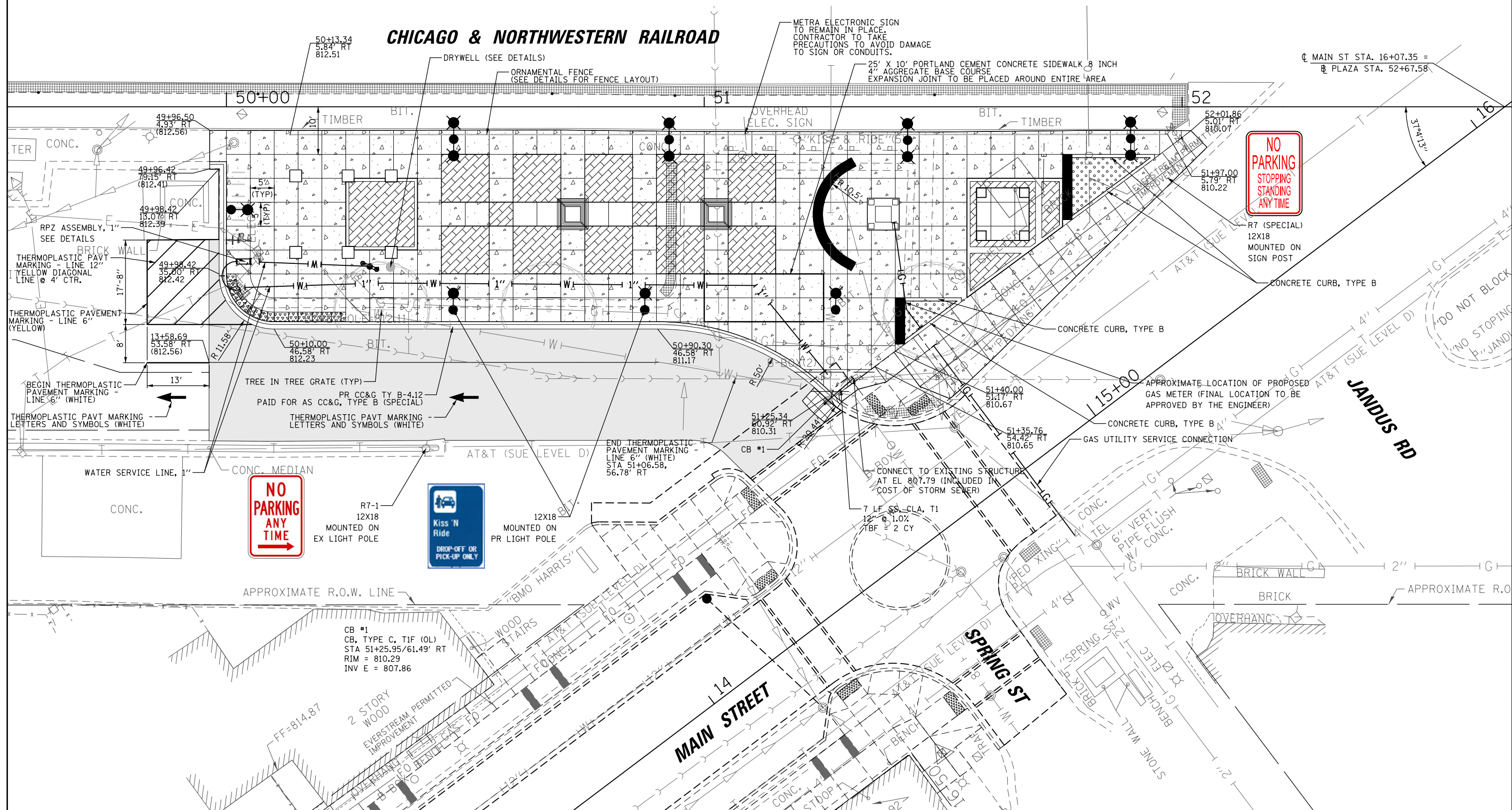
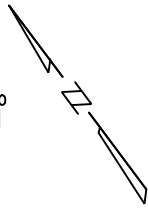
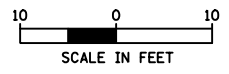
**DOWNTOWN CARY GATEWAY PLAZA
EXISTING CONDITIONS AND REMOVAL PLAN**

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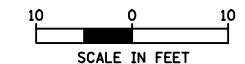
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| CONTRACT NO. 61K43 | | | ILLINOIS FED. AID PROJECT | |

LEGEND

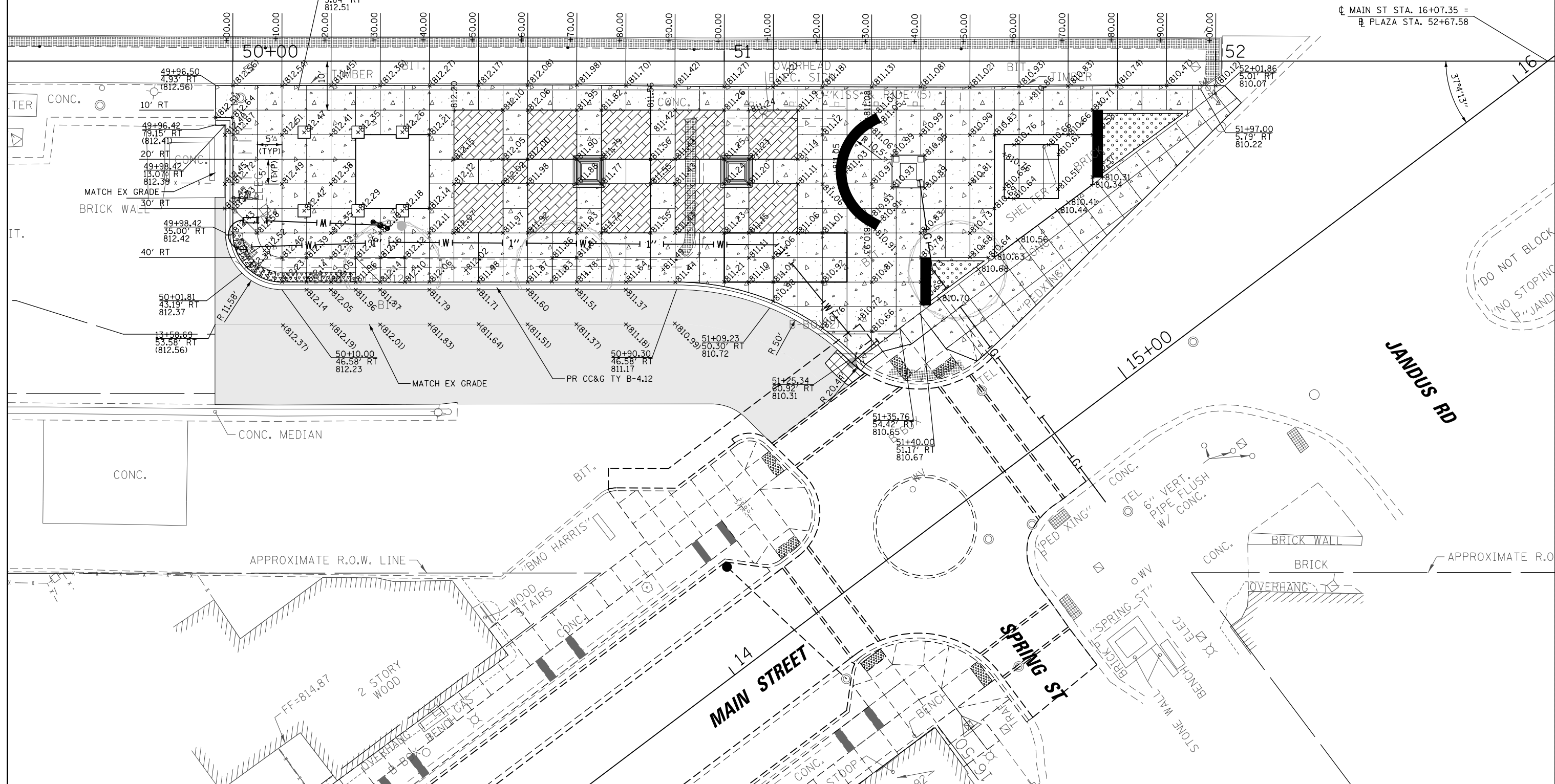
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|--|--|--|---|--|---------------------------|
| | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2 INCH | | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2 INCH CLASS D PATCHES, 6 INCH (MILL BEFORE PATCHING) | | STONE WALL - DOUBLE SIDED |
| | PCC SIDEWALK, 5 INCH AGG BASE COURSE, TYPE B, 4" | | LANDSCAPED AREA | | DETECTABLE WARNING |
| | BRICK PAVERS | | LIGHT POLE LOCATION | | |



| | | | | | | | | | | | | | | | |
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| FILE NAME = | USER NAME = mthomas | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DOWNTOWN CARY GATEWAY PLAZA PROPOSED PLAN | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | | |
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| | PLOT DATE = 9/27/2024 | DATE - | REVISED - | | | | | | | | | | ILLINOIS FED. AID PROJECT | | |



CHICAGO & NORTHWESTERN RAILROAD



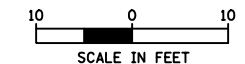
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| Default | PLOT SCALE = 28' | CHECKED - | REVISED - |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DOWNTOWN CARY GATEWAY PLAZA
PROPOSED GRADING PLAN**

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

SCALE: SHEET OF SHEETS STA. TO STA.



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

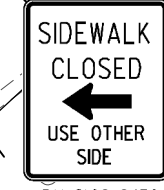
16

TEMPORARY CHAIN LINK FENCE, 6'

WORK AREA

15+00

JANDUS RD



W20-1103(O) 48"



W21-1(O) 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**

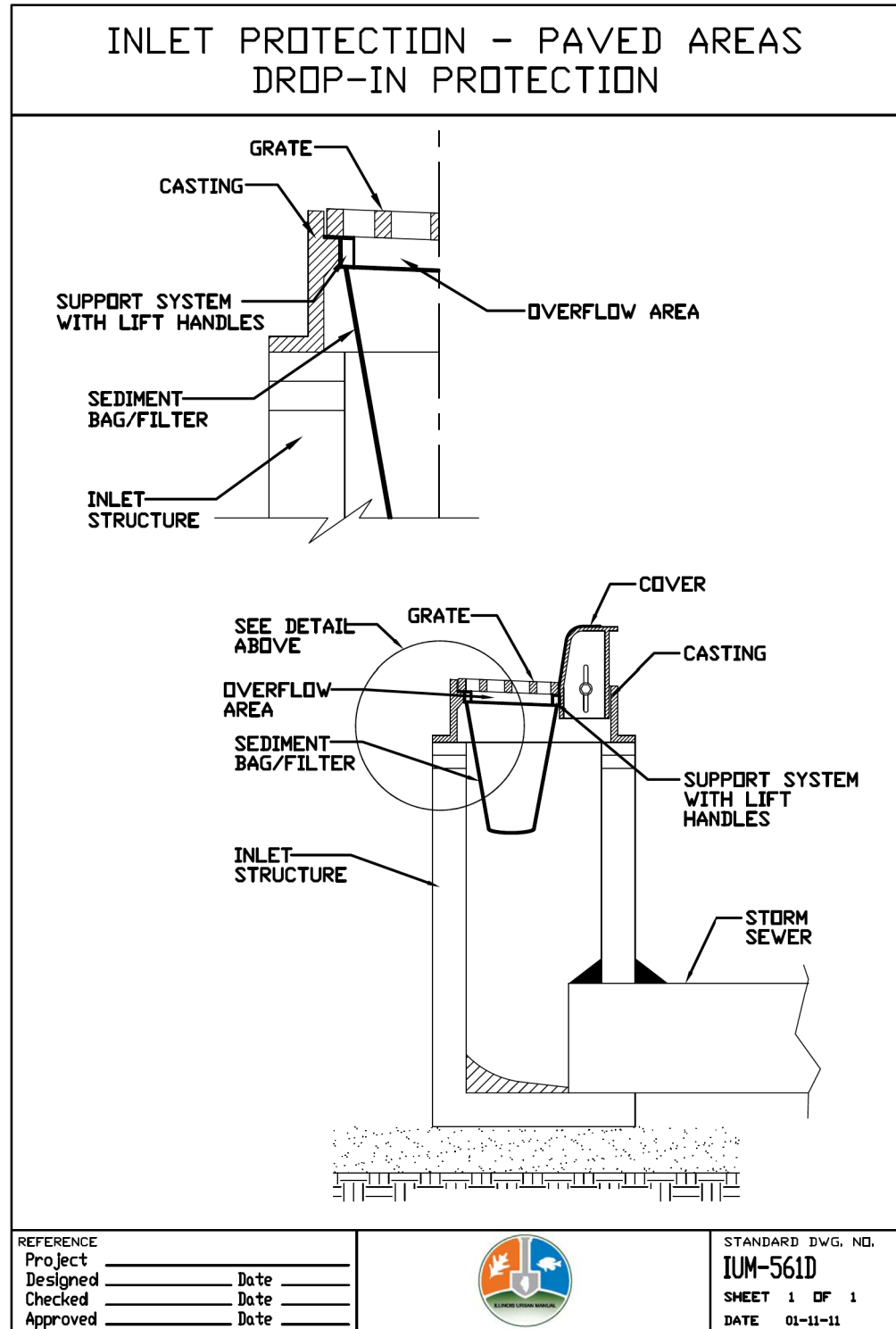
**DOWNTOWN CARY GATEWAY PLAZA
MAINTENANCE OF TRAFFIC**

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| | 22-00074-00-MS | MCHENRY | 31 | 14 |
| | | | CONTRACT NO. 61K43 | |

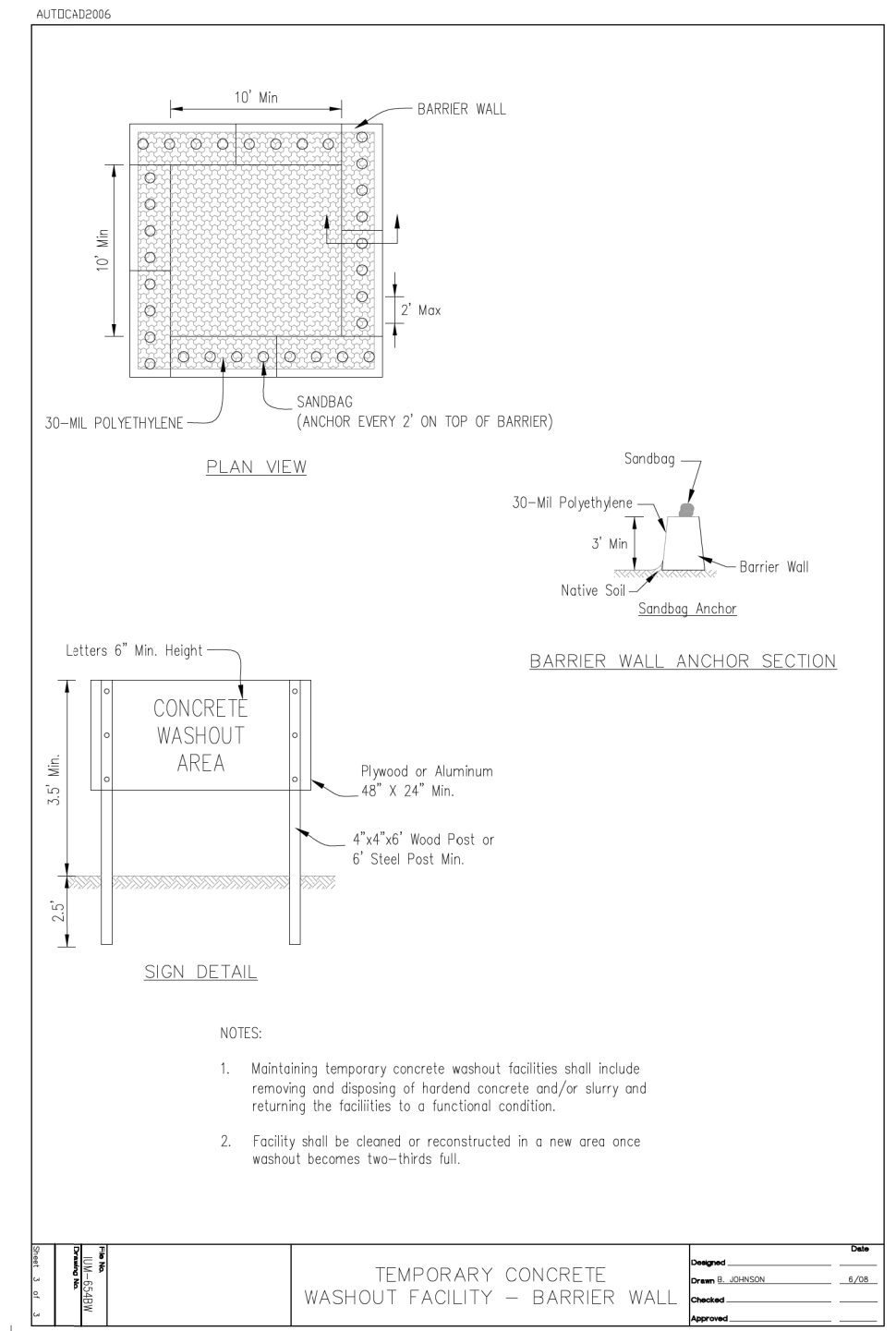
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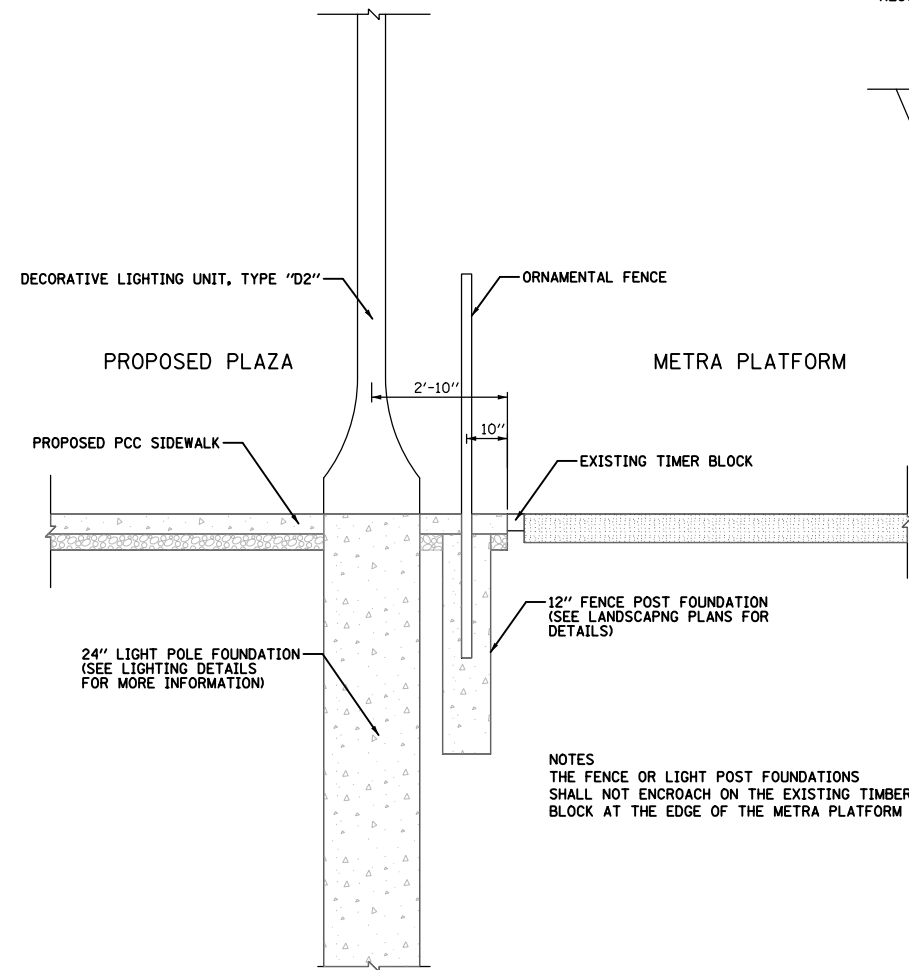
ILLINOIS FED. AID PROJECT



INLET FILTERS

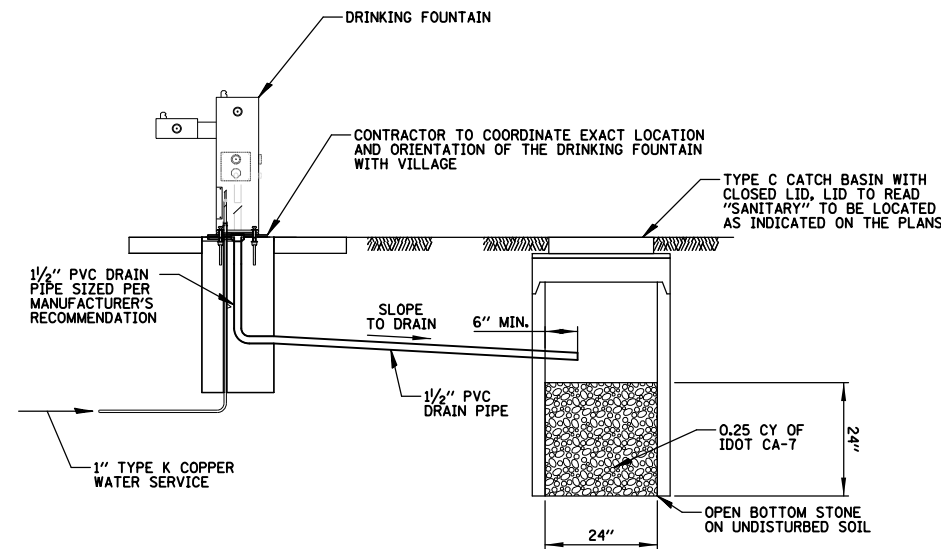


WASHOUT BASIN



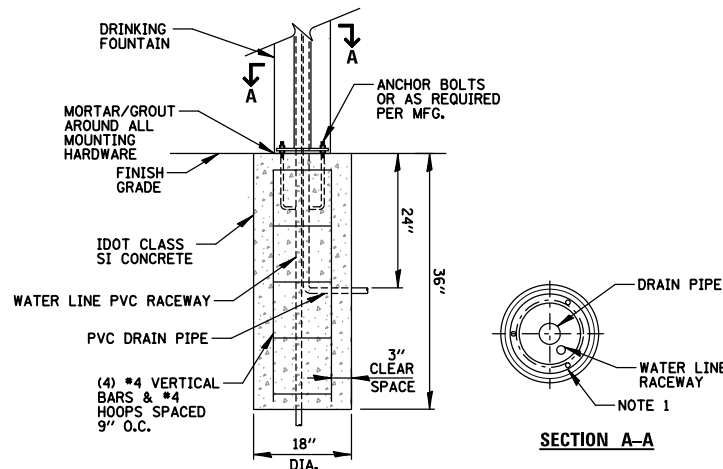
FENCE AND LIGHTING LAYOUT
N.T.S.

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



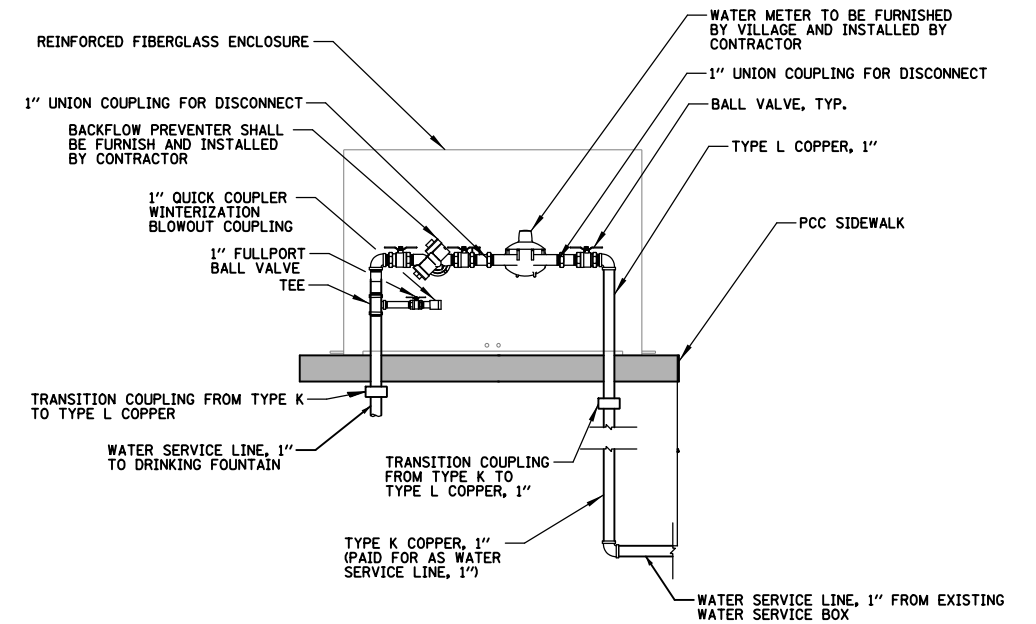
NOTES:
1. THE PVC DRAIN PIPE, STRUCTURE AND CA-7 WILL BE PAID FOR AS "DRY WELL".

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.

| | | | |
|---|-----------------------|------------|-----------|
| FILE NAME = | USER NAME = mthomas | DESIGNED - | REVISED - |
| N:\CARY\150361.00023\Civil\DET.150361.023 | 02.sht | DRAWN - | REVISED - |
| Default | PLOT SCALE = 48" | CHECKED - | REVISED - |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWNTOWN CARY GATEWAY PLAZA
CONSTRUCTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

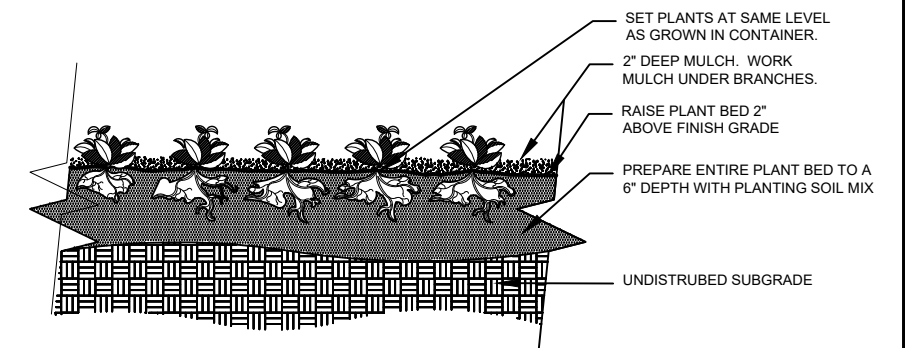
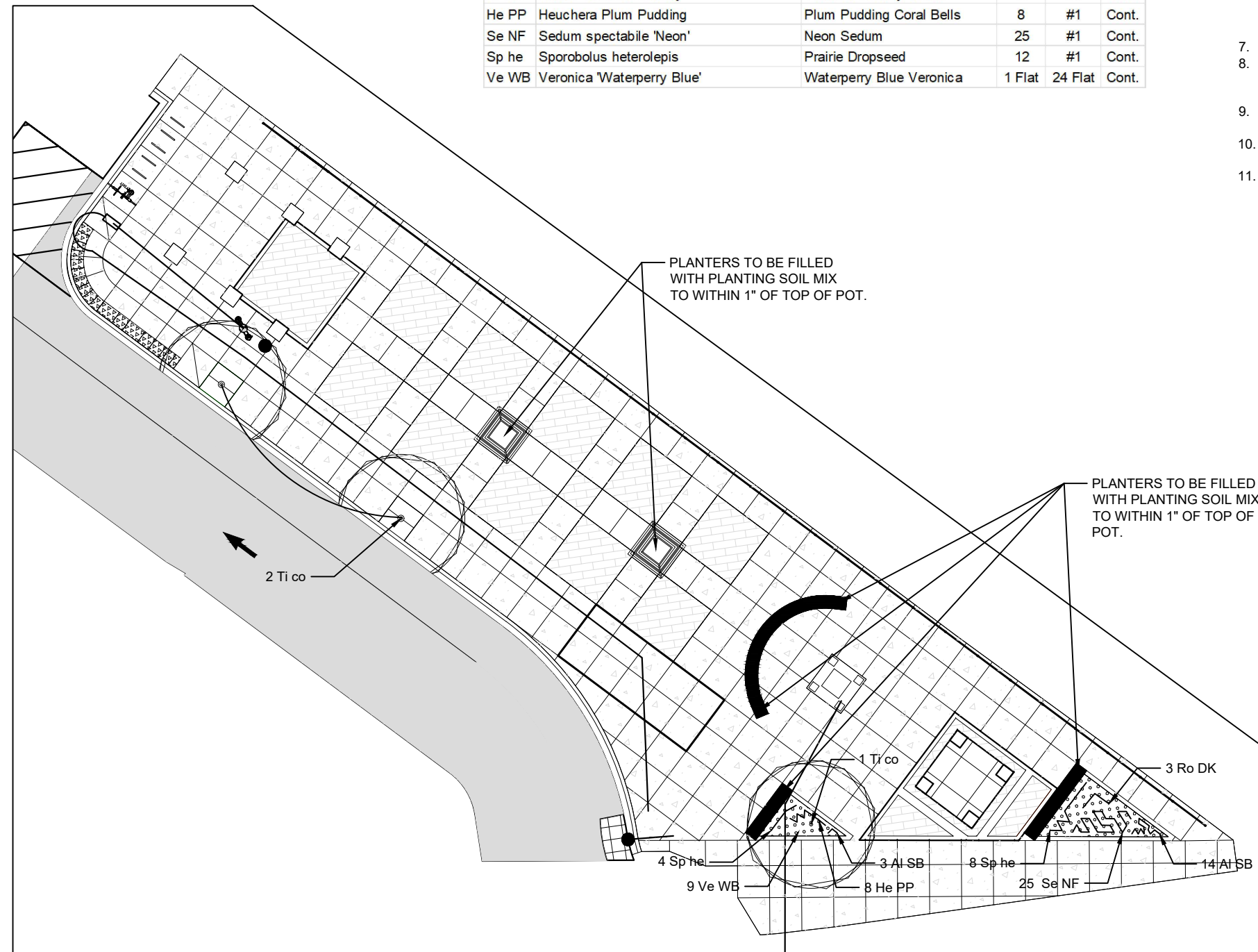
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 22-00074-00-MS | MCHENRY | 31 | 16 |
| | | | CONTRACT NO. 61K43 | |
| ILLINOIS FED. AID PROJECT | | | | |

PLANT LIST

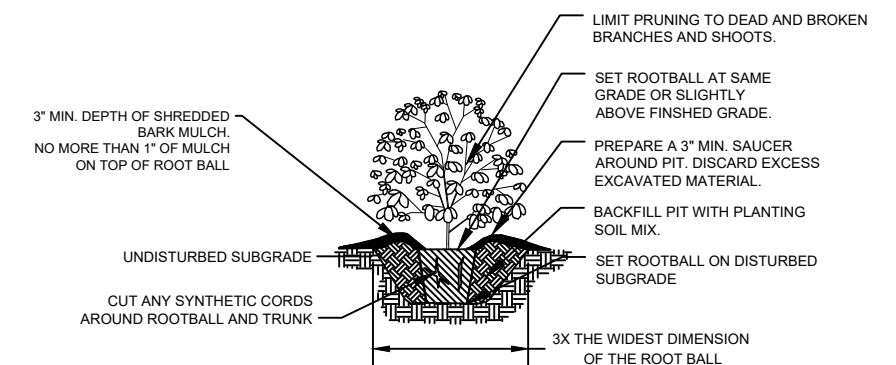
| Sym. | Botanical Name | Common Name | Qty. | Size | Cond. |
|-----------------------------|----------------------------|--------------------------|--------|---------|-------|
| Deciduous Trees | | | | | |
| Ti co | Tilia cordata 'Greenspire' | Greenspire Linden | 3 | 2 1/2" | B & B |
| Deciduous Shrubs | | | | | |
| Ro DK | Rosa 'Radtkepink' | Double Knock Out Rose | 3 | #3B | Cont. |
| Perennials / Grasses | | | | | |
| 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 GROUNDCOVER DETAIL
NO SCALE

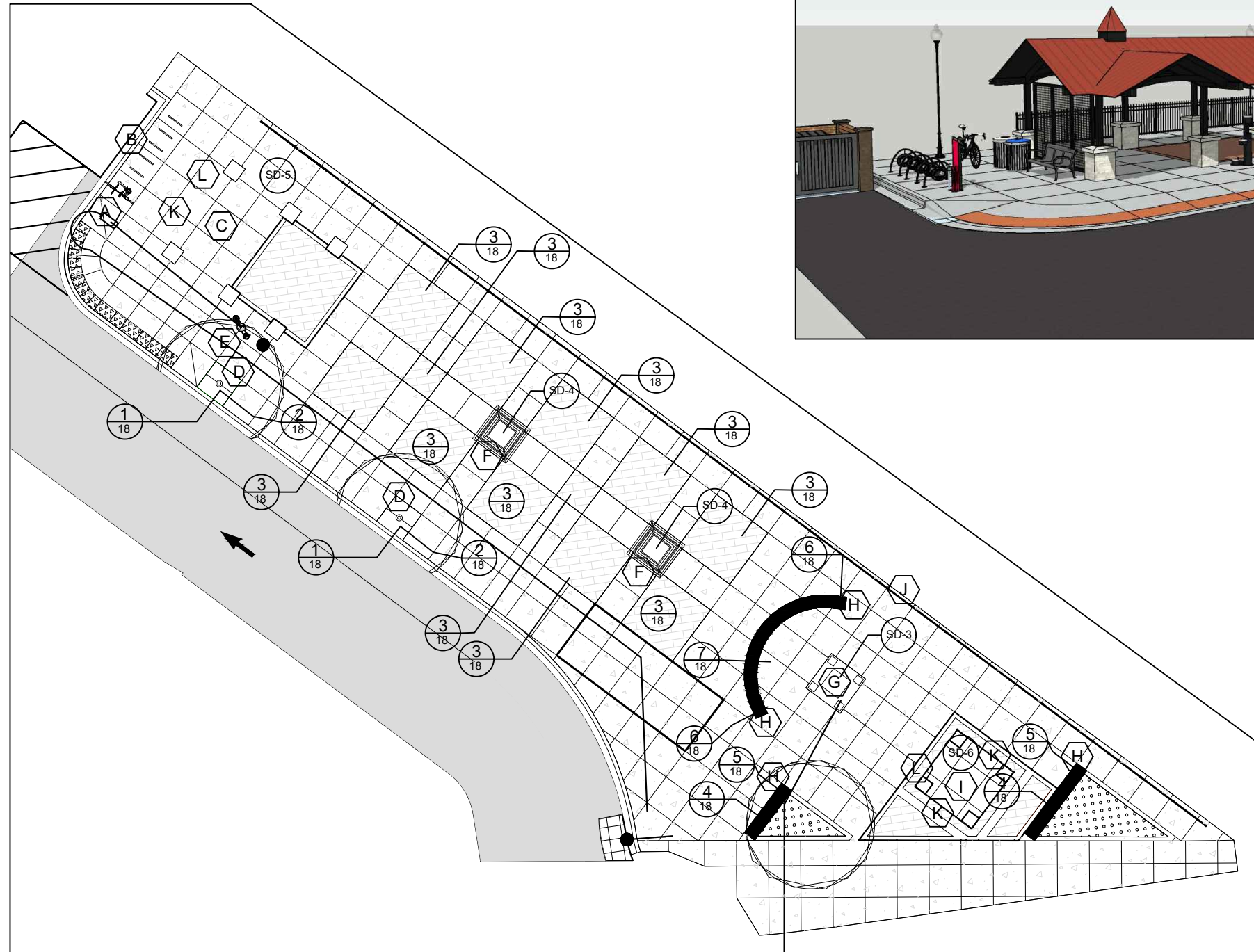


SHRUB PLANTING DETAIL
NO SCALE

LANDSCAPE PLAN



| | | | | | | | | | | | |
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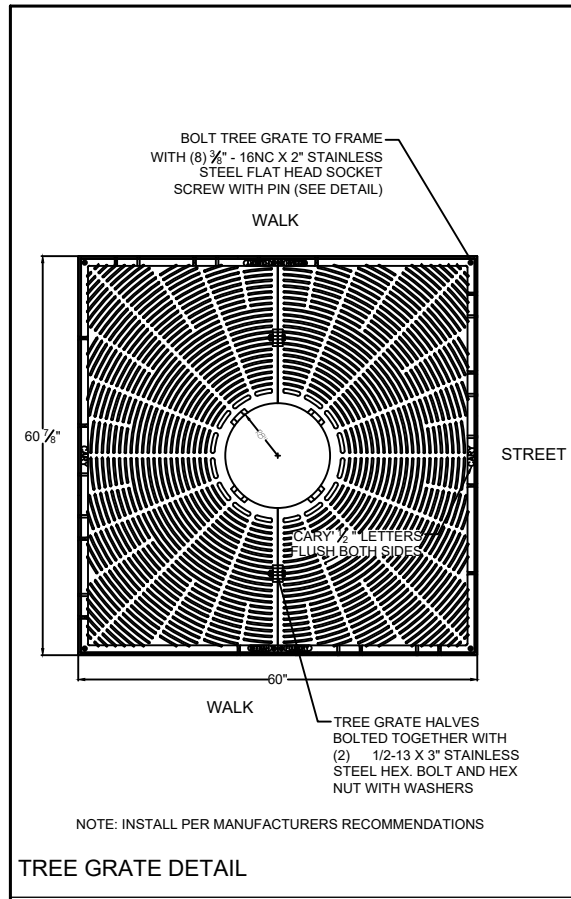


SITE FURNITURE PLAN

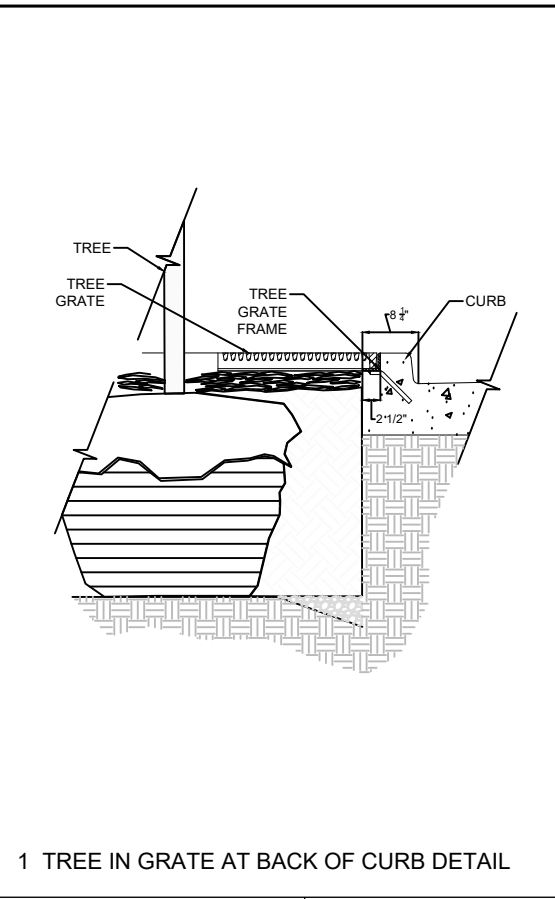


SITE FURNITURE SCHEDULE

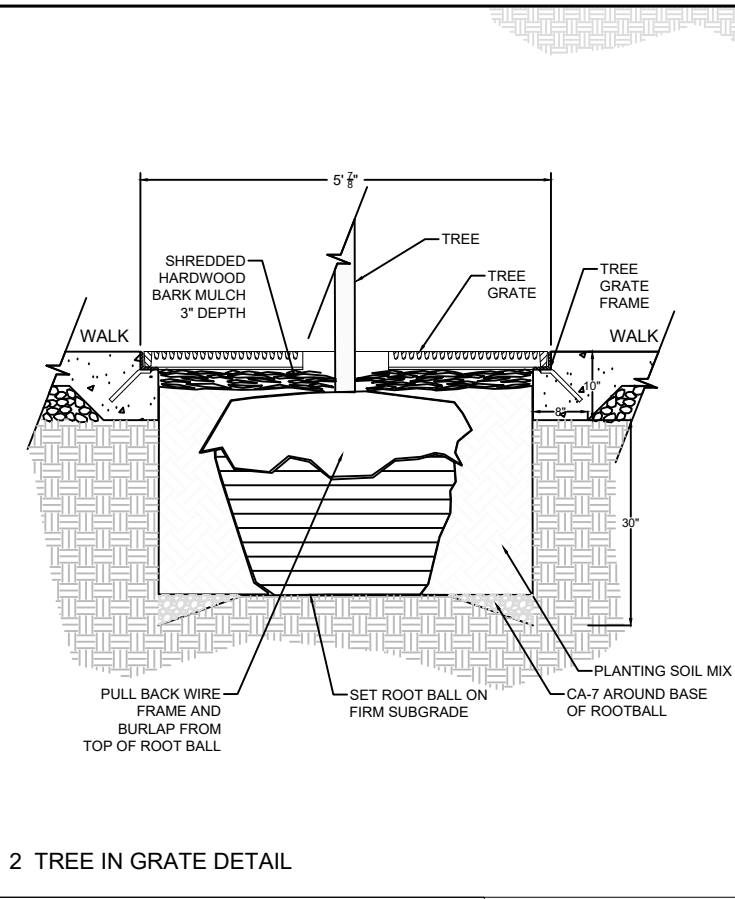
| SYM. | ITEM | QTY. | UNIT | ITEM # | MANUFACTURER & MODEL NUMBER |
|------|------------------------|------|------|----------|--|
| A | Bicycle Repair Station | 1 | EA | XX009334 | DERO Fixit Plus with Air Kit Prime |
| B | Bicycle Racks, Type 1 | 5 | EA | XX008441 | DERO Lean Bar Logo - Hoop Rack |
| C | Commuter Shelter | 1 | EA | XX009477 | Poligon Gable 28' x 28' |
| D | Tree Grates | 2 | 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 | Landscaping Planter | 4 | EA | XX009591 | Longshadow LS 9758 - Sabine 30 Bowl, 30 Dia. |
| I | Relocate Pump House | 1 | LSUM | | 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 |



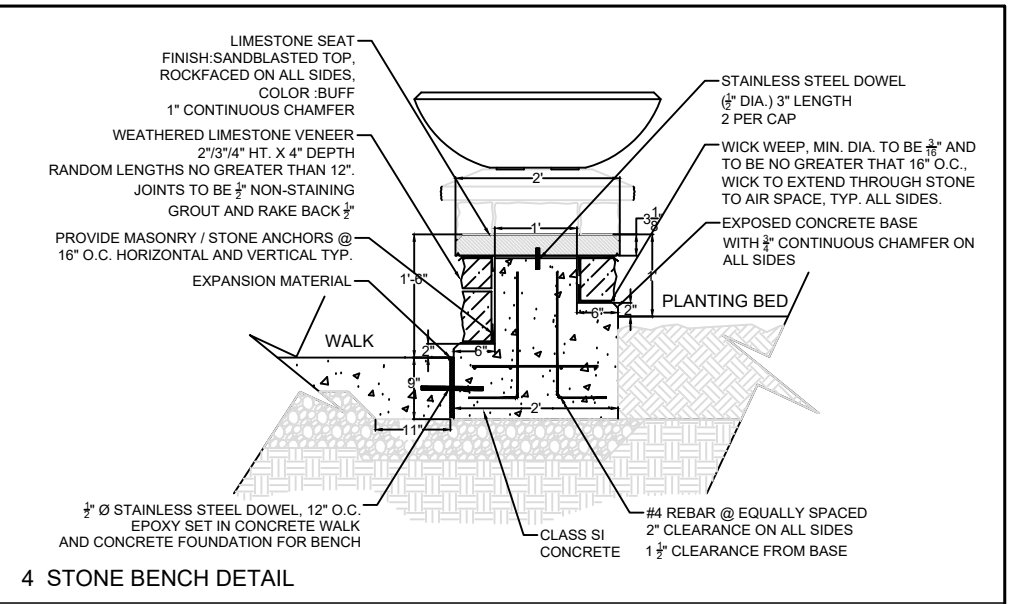
TREE GRATE DETAIL



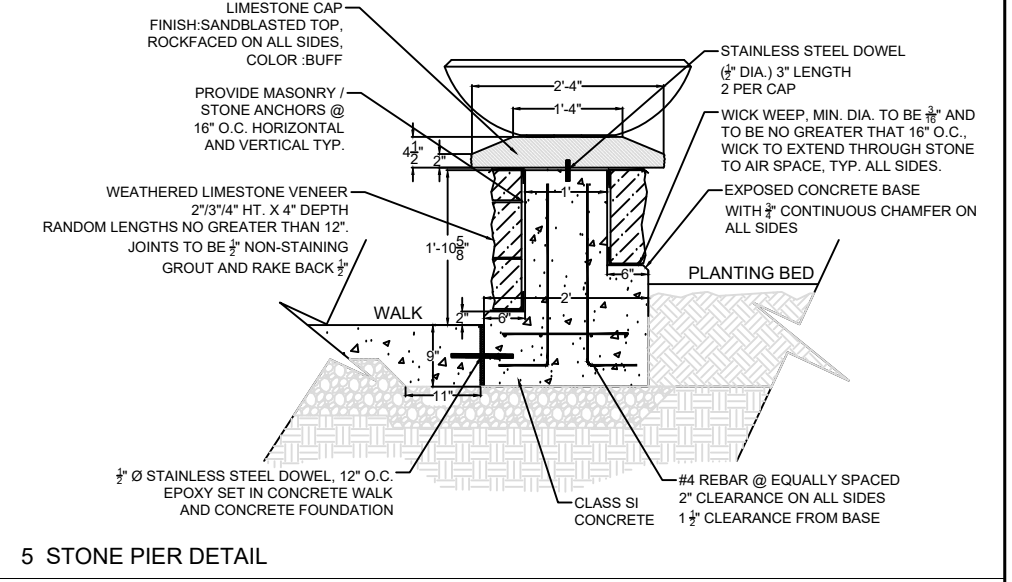
1 TREE IN GRATE AT BACK OF CURB DETAIL



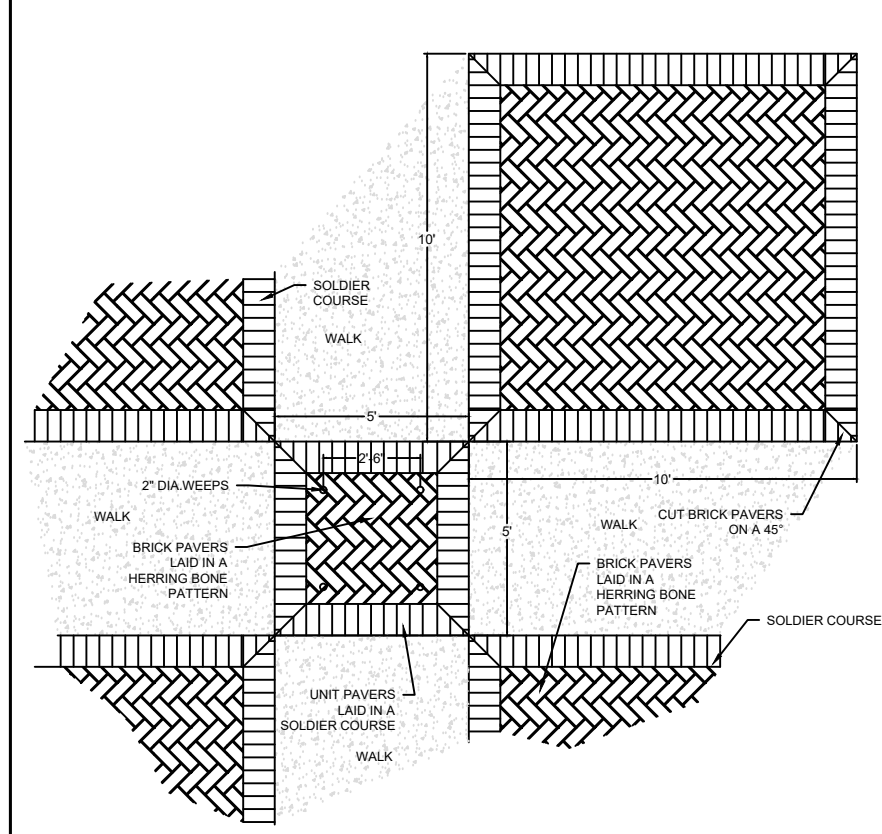
2 TREE IN GRATE DETAIL



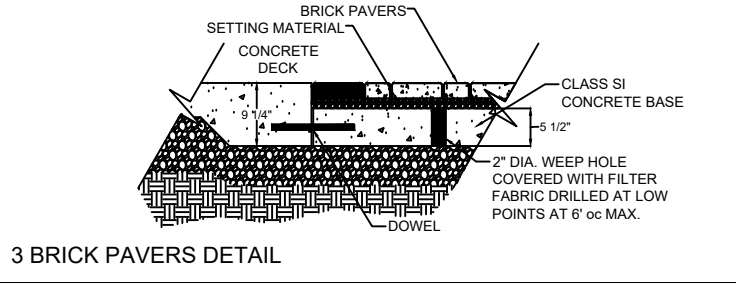
4 STONE BENCH DETAIL



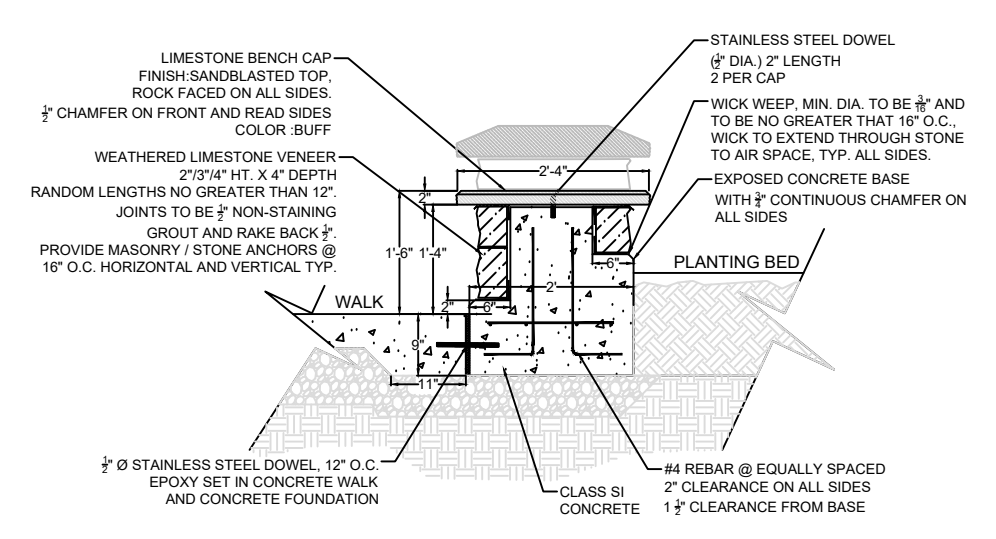
5 STONE PIER DETAIL



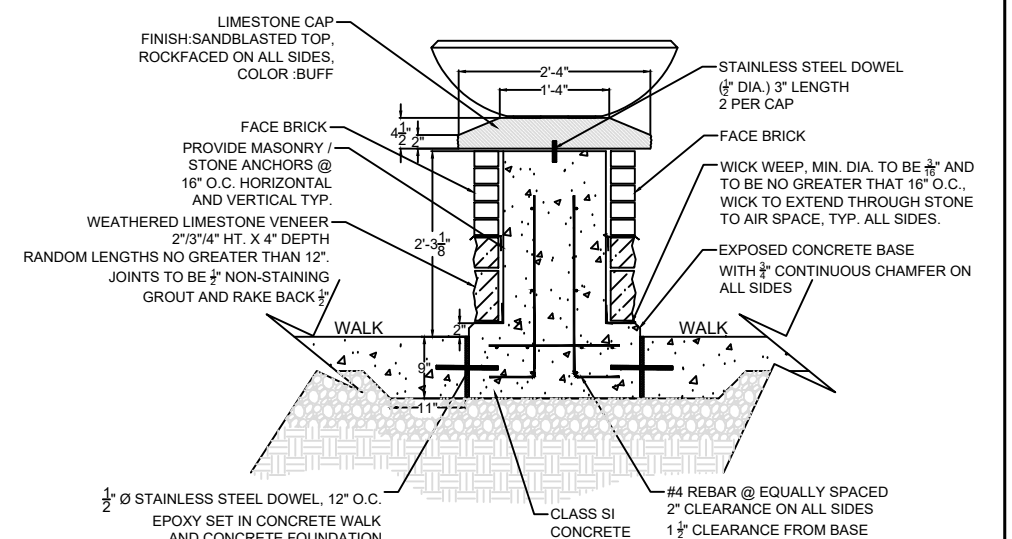
BRICK PAVER PLAN VIEW DETAIL



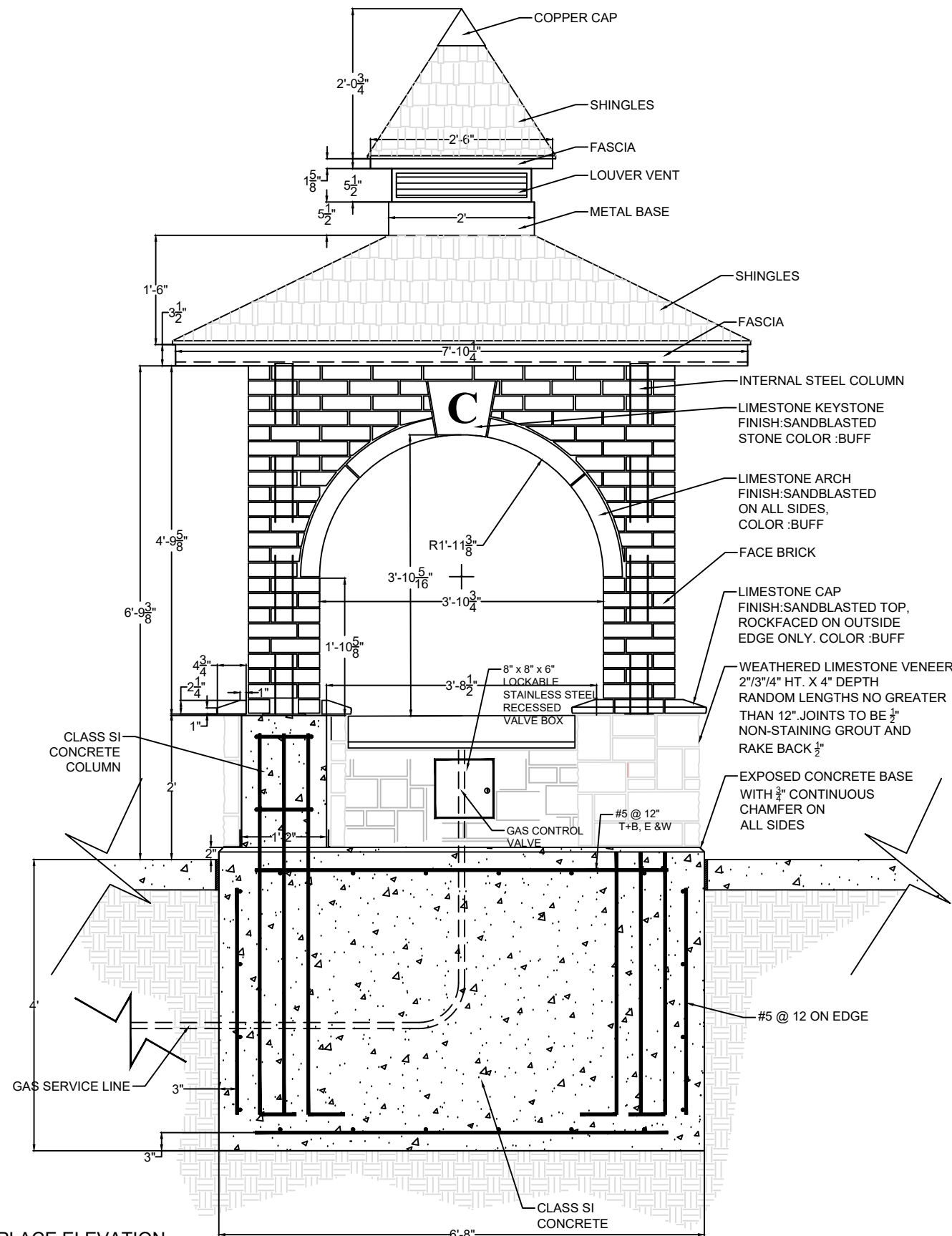
3 BRICK PAVERS DETAIL



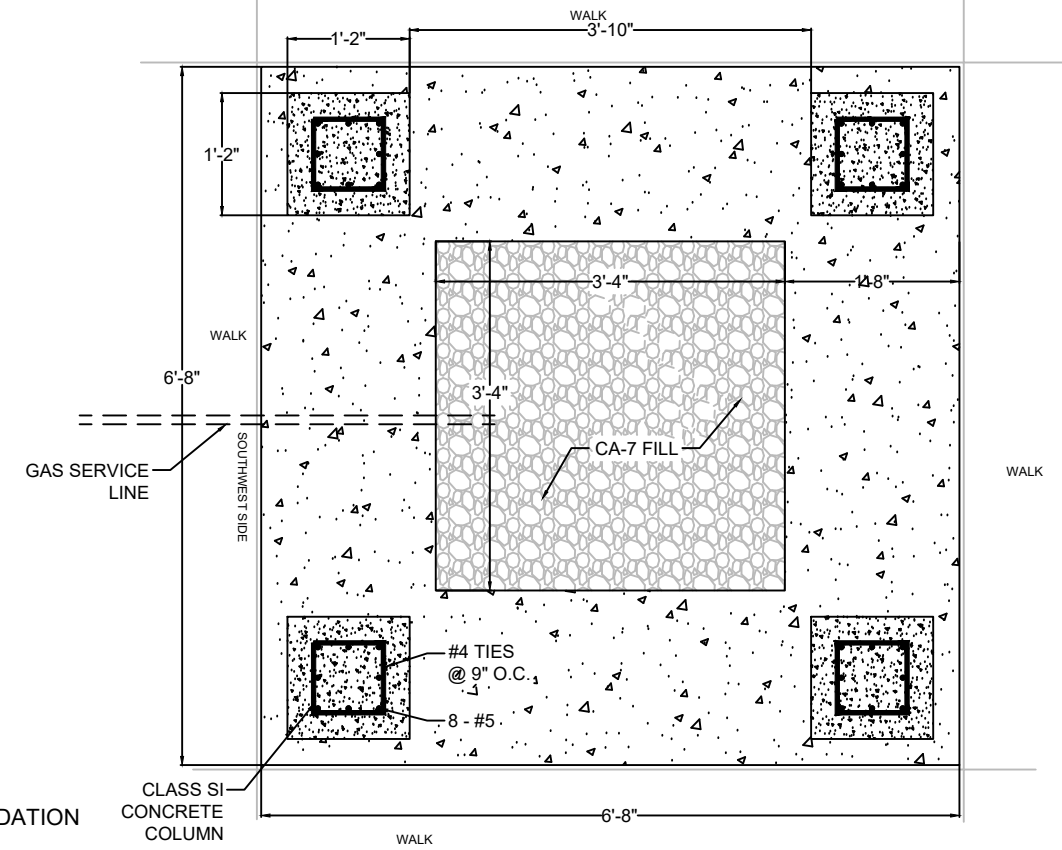
7 DOUBLE SIDED WALL DETAIL



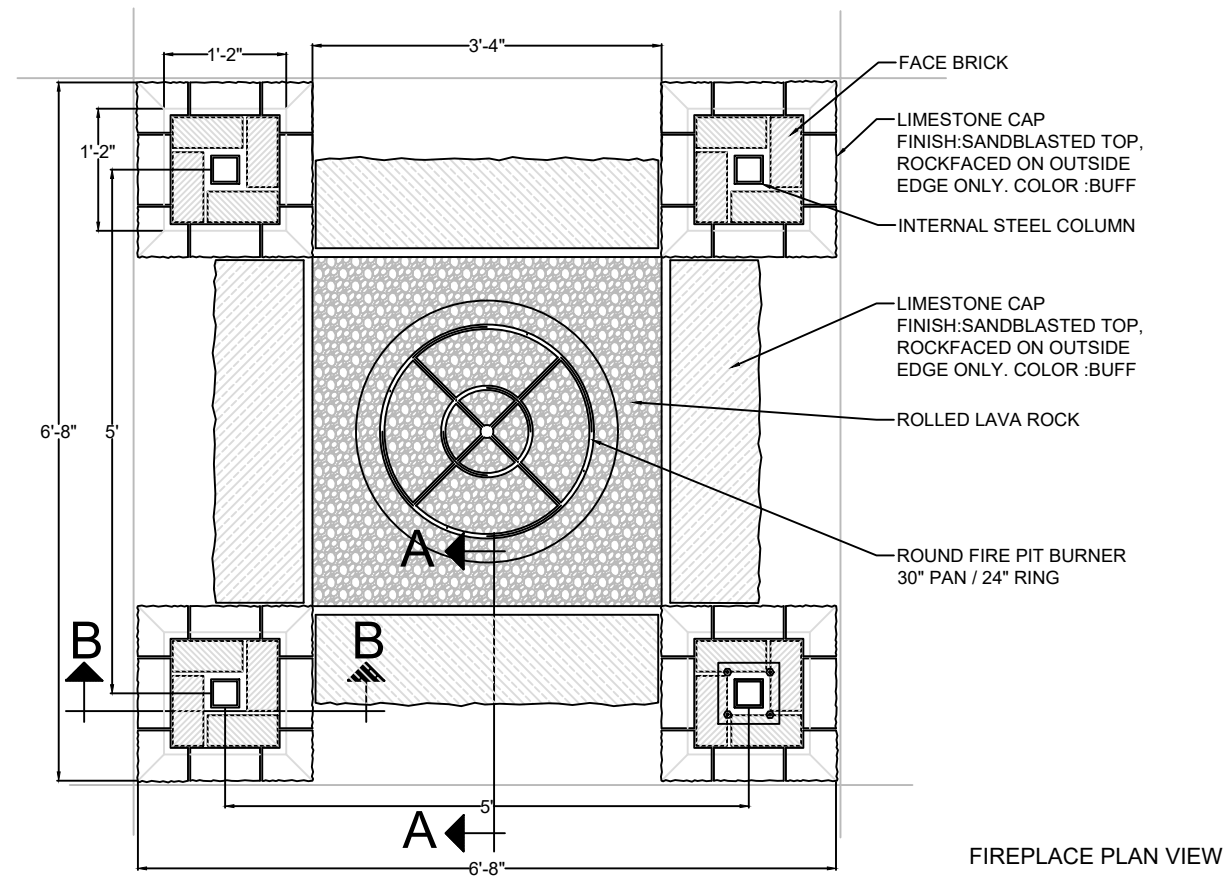
6 BRICK COLUMN DETAIL



FIREPLACE ELEVATION



FIREPLACE FOUNDATION PLAN VIEW



FIREPLACE PLAN VIEW

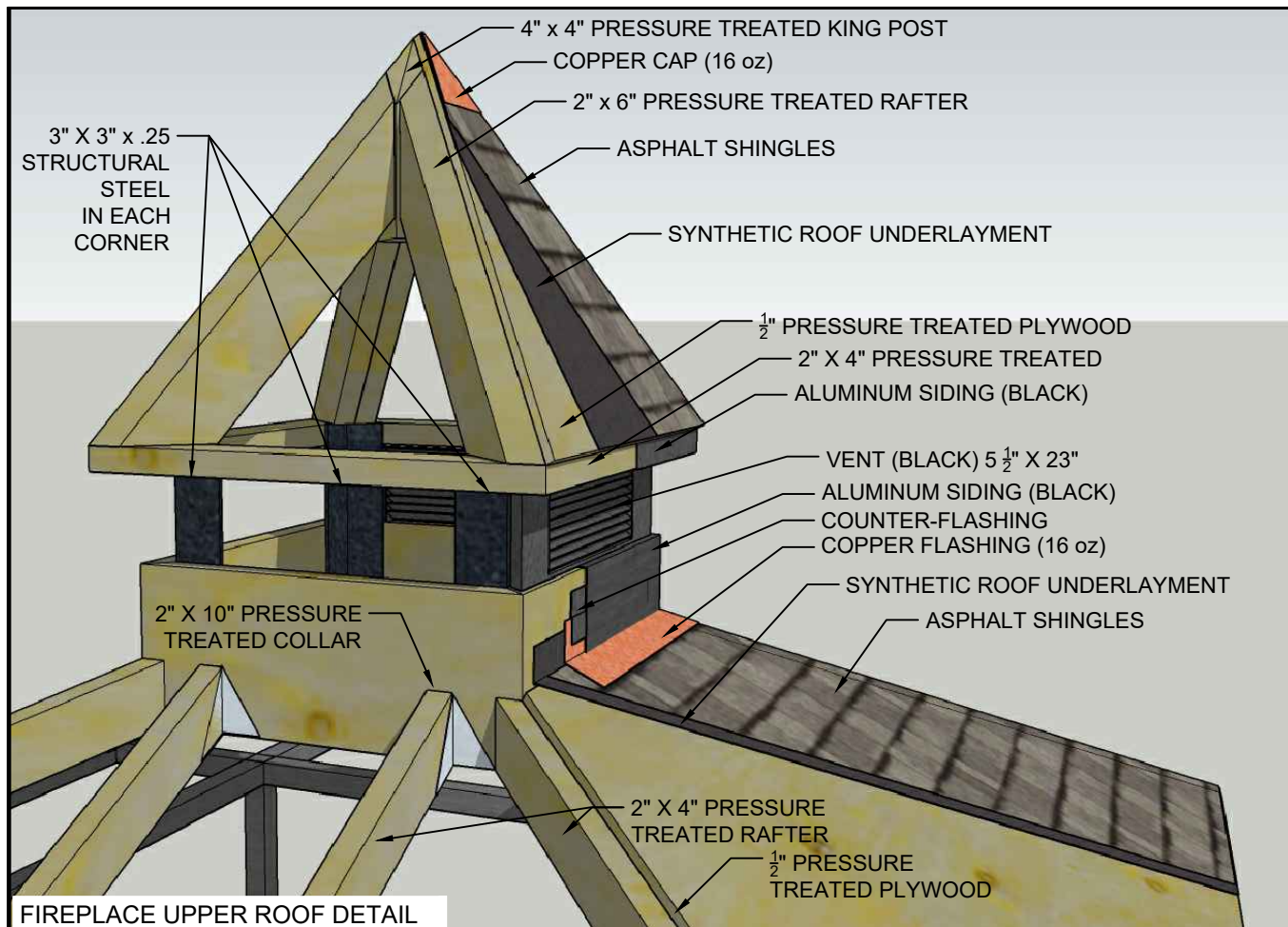
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

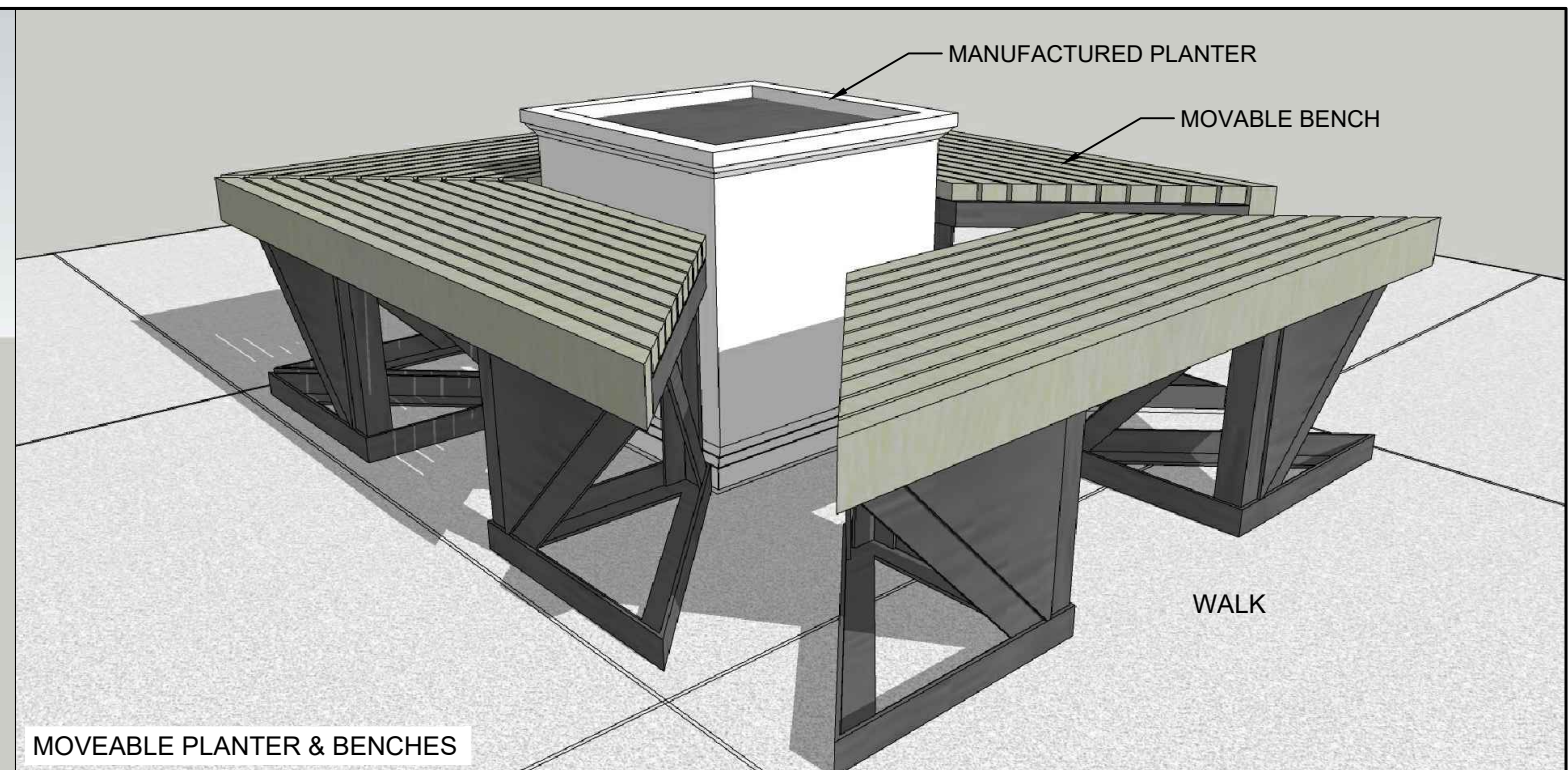
DOWNTOWN CARY GATEWAY PLAZA

SCALE: _____ SHEET OF SHEETS STA. TO STA.

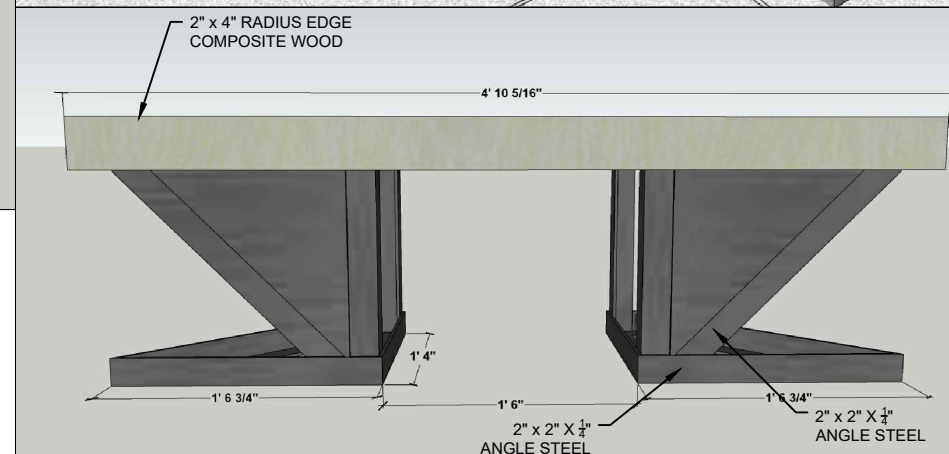
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 22-00074-00-MS | | 31 | 20 |
| CONTRACT NO. 61K43 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



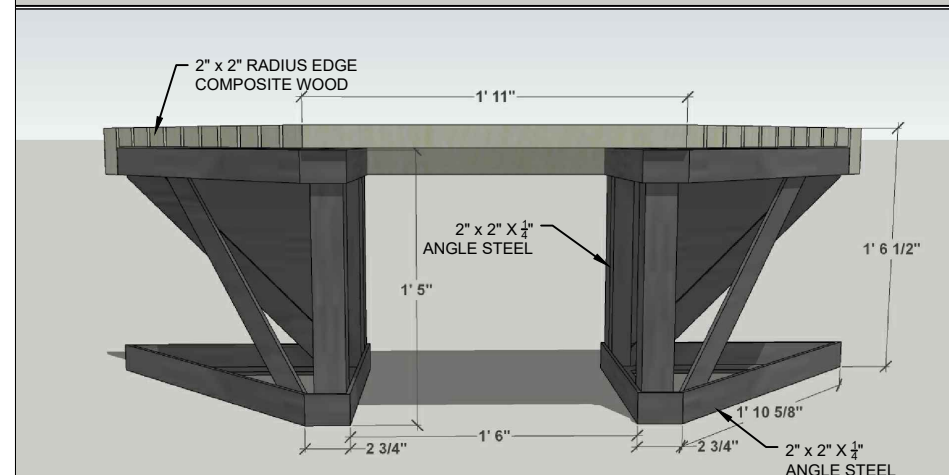
FIREPLACE UPPER ROOF DETAIL



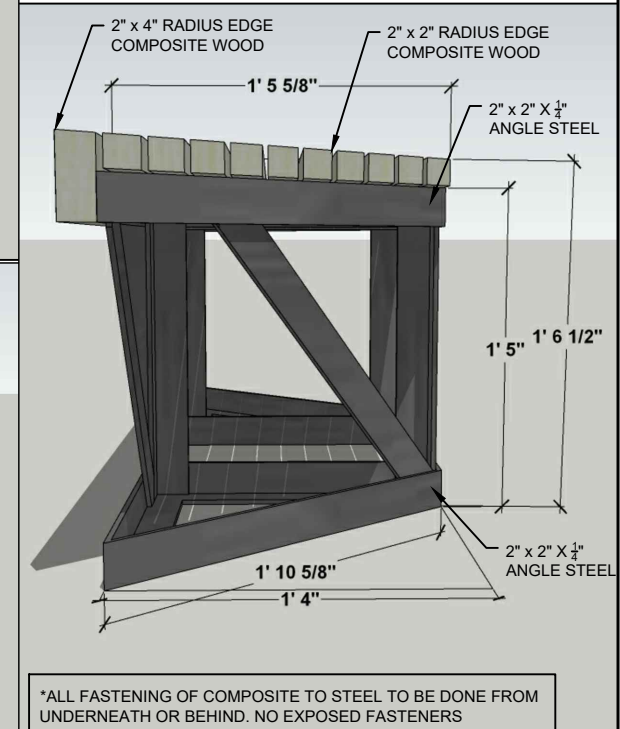
MOVEABLE PLANTER & BENCHES



MOVEABLE PLANTER BENCHES FRONT VIEW

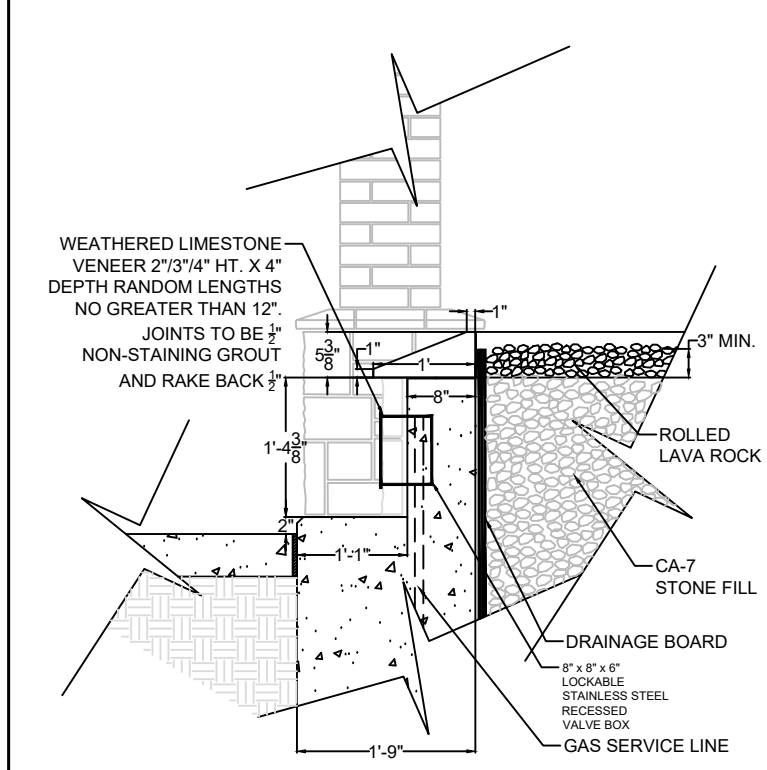


MOVEABLE PLANTER BENCHES REAR VIEW

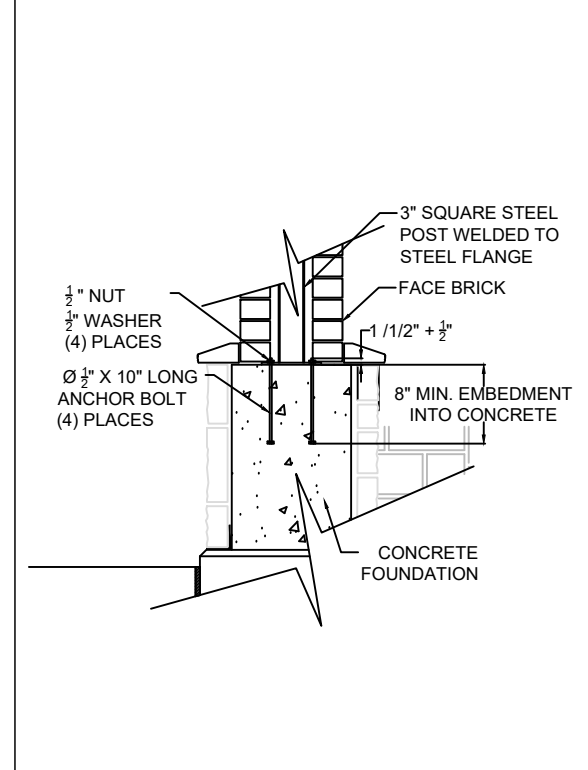


MOVEABLE PLANTER BENCHES SIDE VIEW

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



FIREPLACE WALL SECTION 'A'



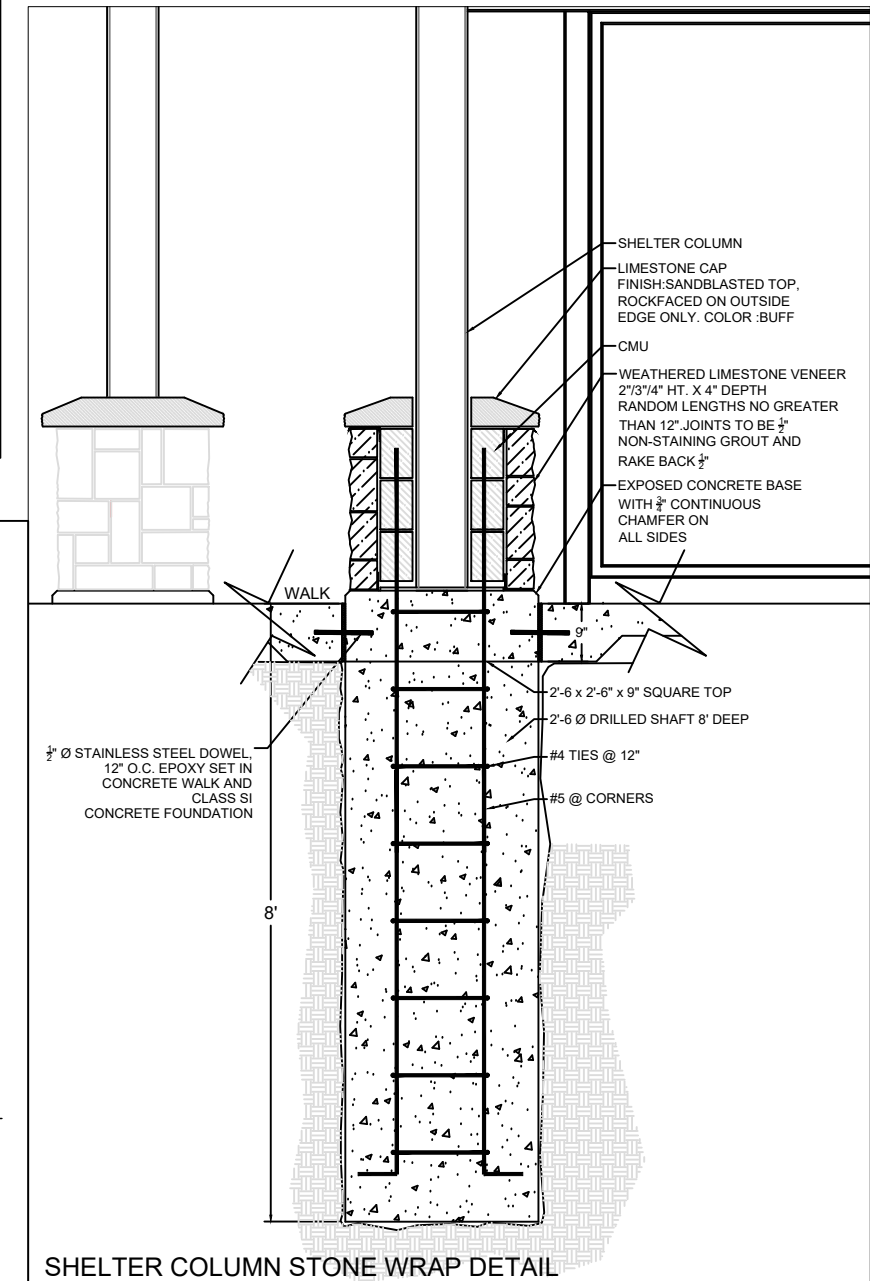
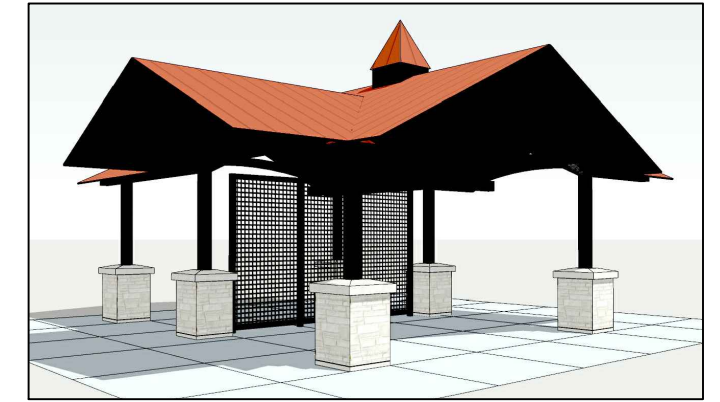
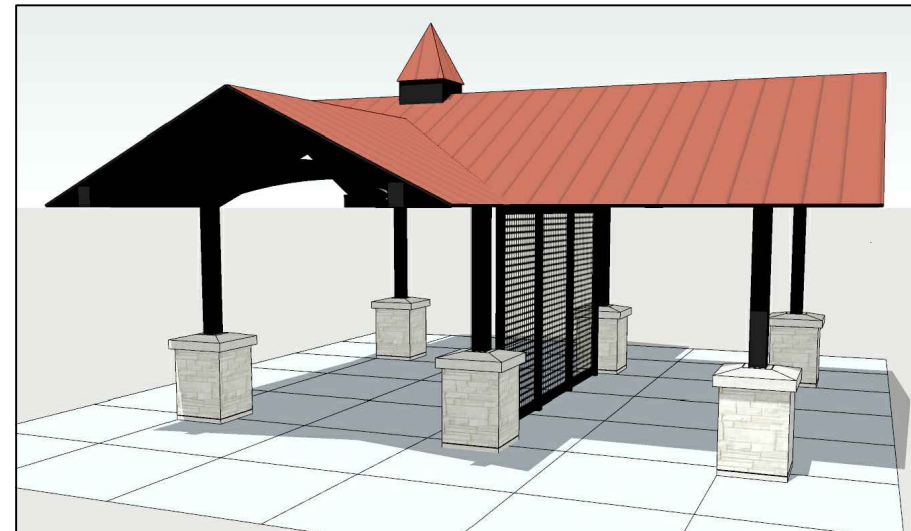
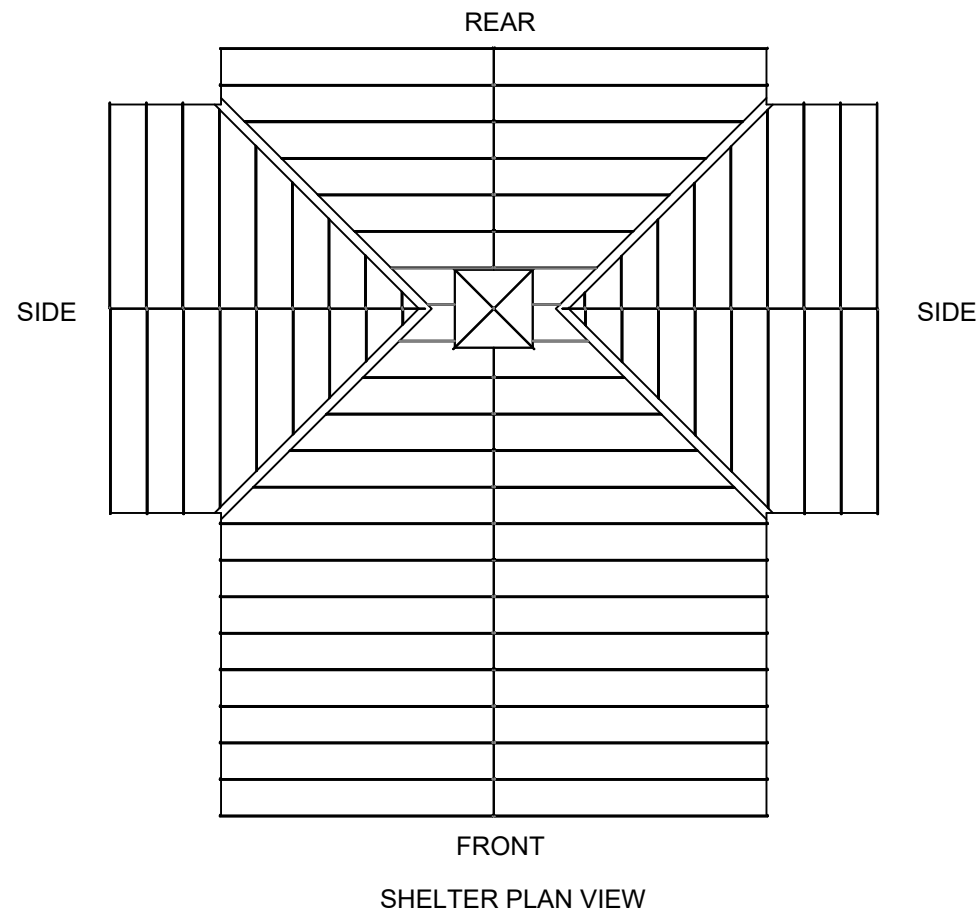
FIREPLACE COLUMN SECTION 'B'

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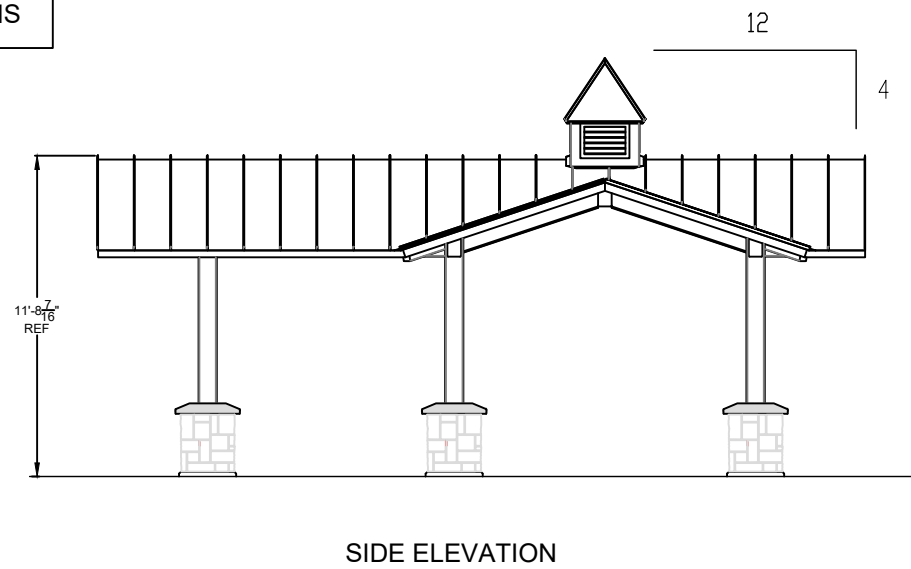
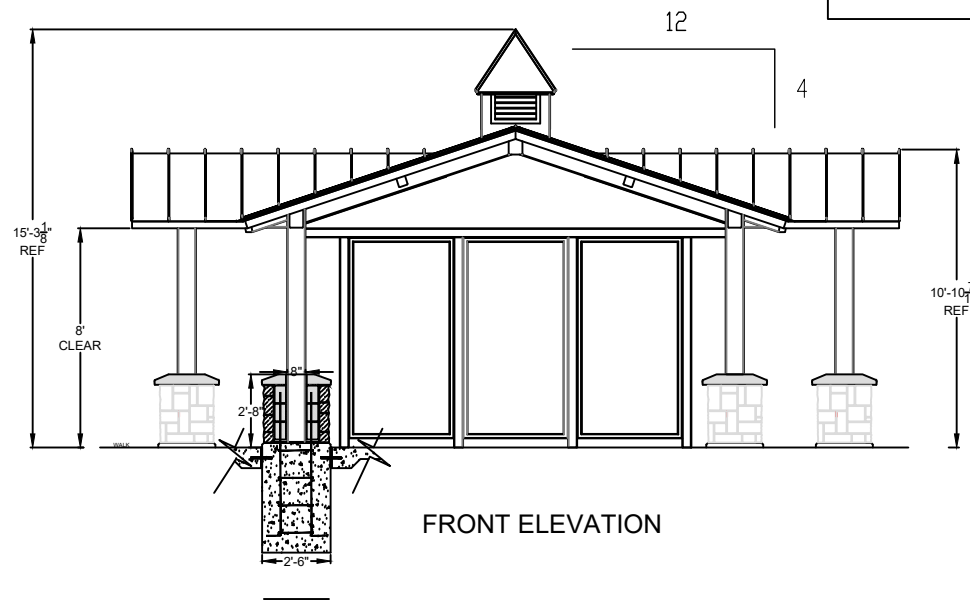
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWNTOWN CARY GATEWAY PLAZA
SCALE: _____ SHEET OF SHEETS STA. TO STA.

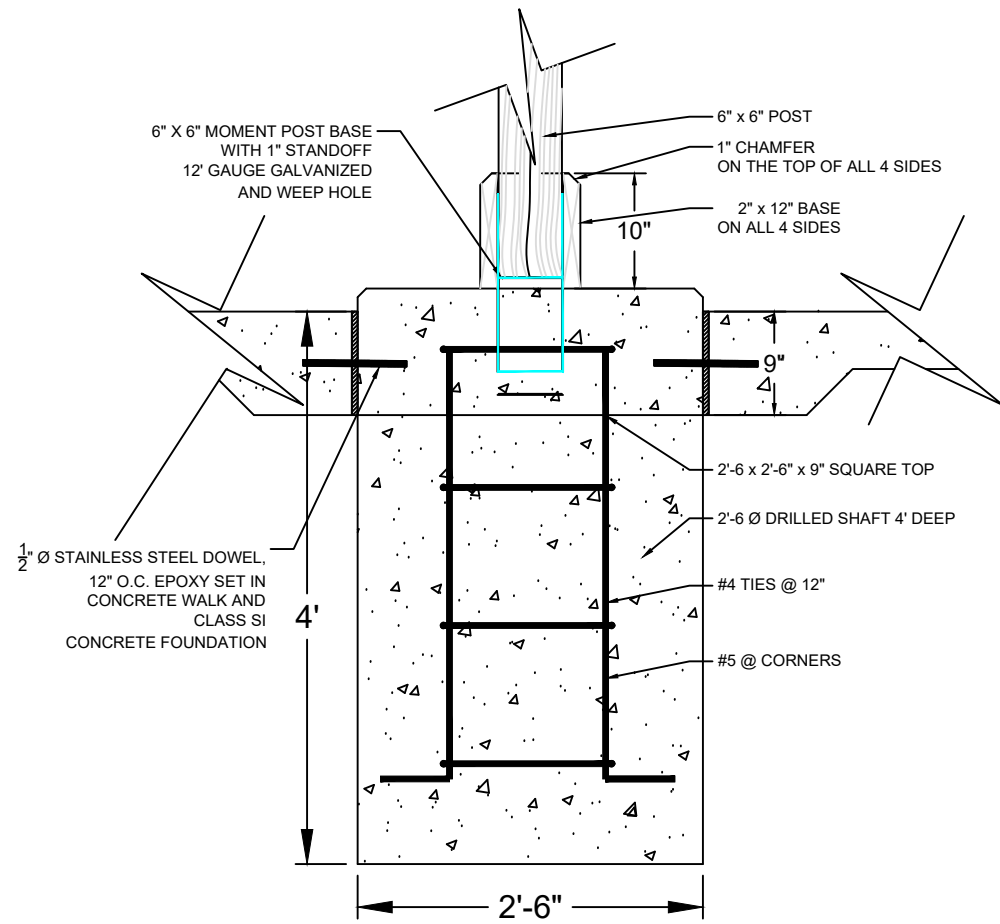
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 22-00074-00-MS | | 31 | 21 |
| CONTRACT NO. 61K43 | | | ILLINOIS FED. AID PROJECT | |



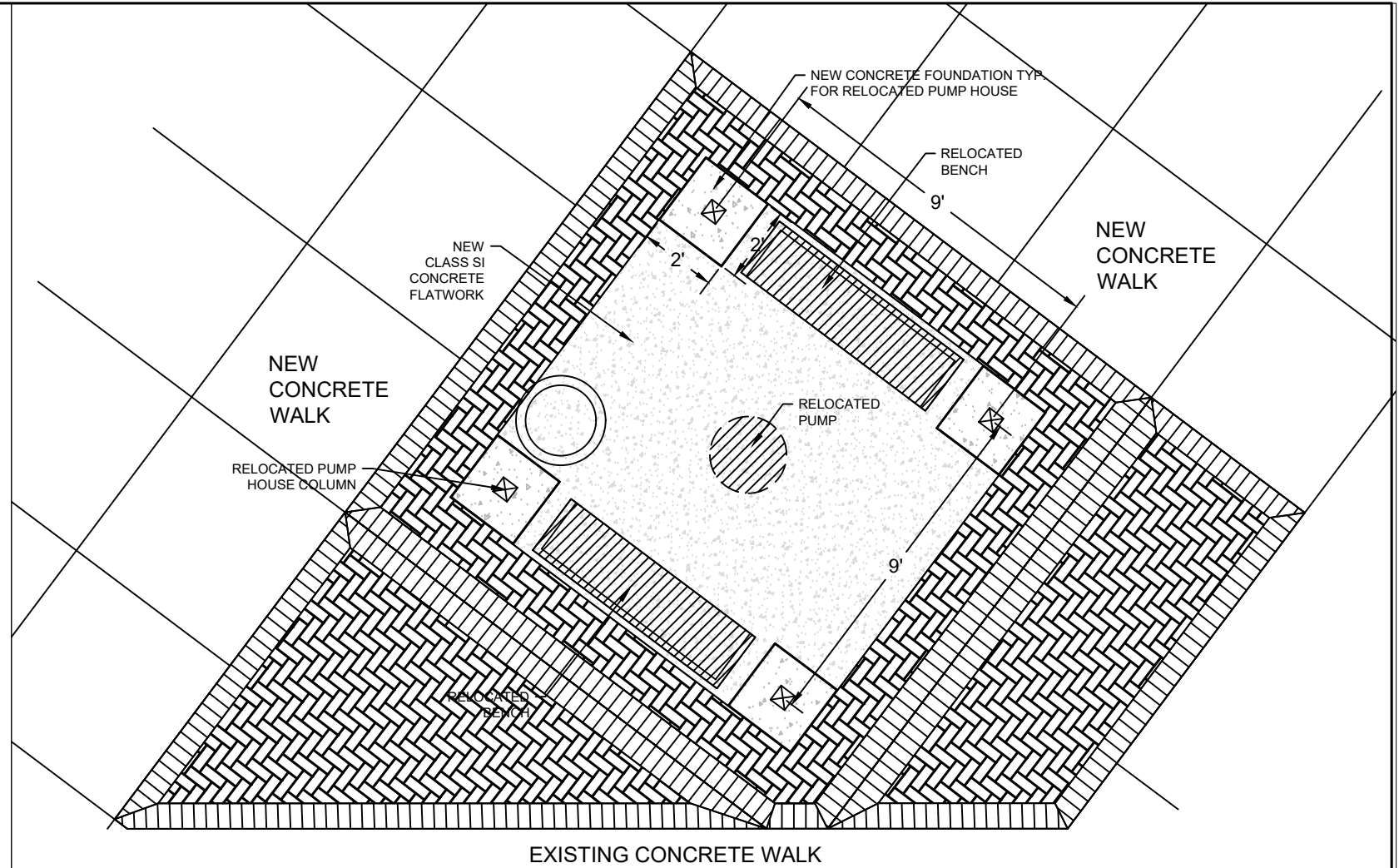
INSTALL SHELTER PER
MANUFACTURERS
RECOMMENDATIONS



| | | | | | | | | | | |
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| | | | | | | | | 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 -- |
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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 | 23 |
| CONTRACT NO. 61K43 | | | | |
| 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, JANUARY 1, 2022 EDITION.
 - B. "THE NATIONAL ELECTRICAL CODE".
 - C. MUNICIPAL CODES & STANDARDS.
 - D. METRA 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 PLOWING 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLER.
14. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE JANUARY 1, 2022 EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.

LIGHTING BILL OF MATERIALS

| DESCRIPTION | UNIT | QUANTITY |
|---|------|----------|
| ELECTRIC SERVICE INSTALLATION | EACH | 1 |
| ELECTRIC UTILITY SERVICE CONNECTION | LSUM | 1 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 50 |
| UNDERGROUND CONDUIT, PVC, 1/2" DIA. | FOOT | 60 |
| UNDERGROUND CONDUIT, PVC, 3/4" DIA. | FOOT | 870 |
| UNDERGROUND CONDUIT, PVC, 1" DIA. | FOOT | 240 |
| UNDERGROUND CONDUIT, PVC, 1 1/2" DIA. | FOOT | 195 |
| HANDHOLE, COMPOSITE CONCRETE | EACH | 3 |
| 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 | 5325 |
| ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2 | FOOT | 150 |
| REMOVAL OF LIGHTING UNIT, SALVAGE | EACH | 2 |
| REMOVAL OF POLE FOUNDATION | EACH | 2 |
| OUTLET (SPECIAL) | EACH | 3 |
| LIGHTING ASSEMBLY (SPECIAL) | EACH | 1 |
| HANDHOLE, COMPOSITE CONCRETE (SPECIAL) | EACH | 1 |
| LIGHTING CONTROLLER (SPECIAL) | EACH | 1 |
| LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL | FOOT | 28 |
| LIGHT POLE FOUNDATION (SPECIAL) | FOOT | 40 |
| ELECTRICAL WORK COMPLETE - GATEWAY MONUMENT | LSUM | 1 |
| DECORATIVE LIGHTING UNIT, TYPE "D1" | EACH | 4 |
| DECORATIVE LIGHTING UNIT, TYPE "D2" | EACH | 4 |
| MAINTAIN EXISTING LIGHTING SYSTEM | LSUM | 1 |

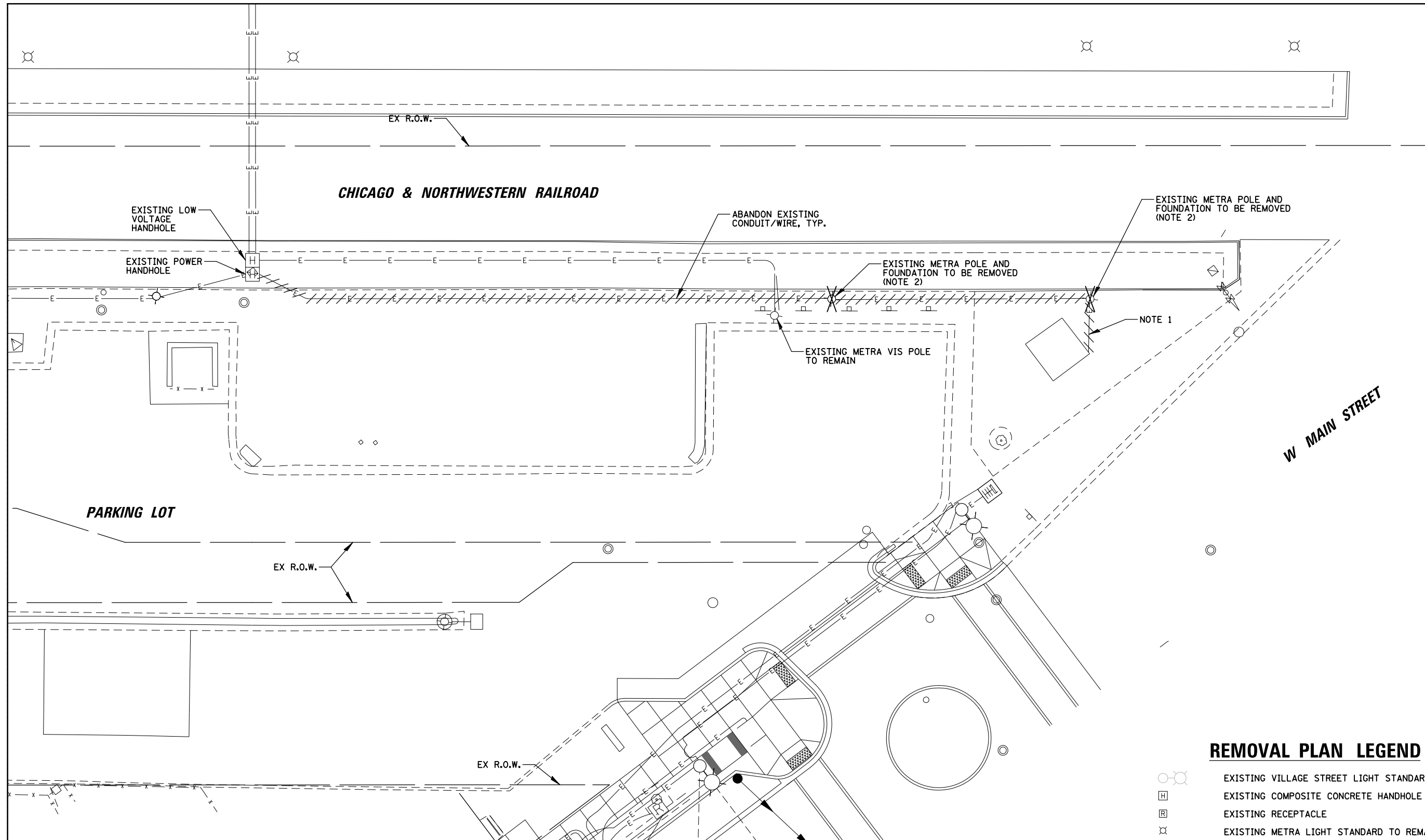
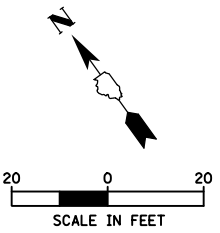
ABBREVIATIONS

| | | | |
|------|---------------------------|-----|------------------------|
| 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 - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DOWNTOWN CARY GATEWAY PLAZA LIGHTING NOTES AND BILL OF MATERIALS | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
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| Default | PLOT SCALE = 28' | CHECKED AJD | REVISED - | | | SCALE: 20' | SHEET X | OF XX SHEETS | STA. | TO STA. | CONTRACT NO. 61K43 | |
| | PLOT DATE = 10/22/2024 | DATE - | REVISED - | | | 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

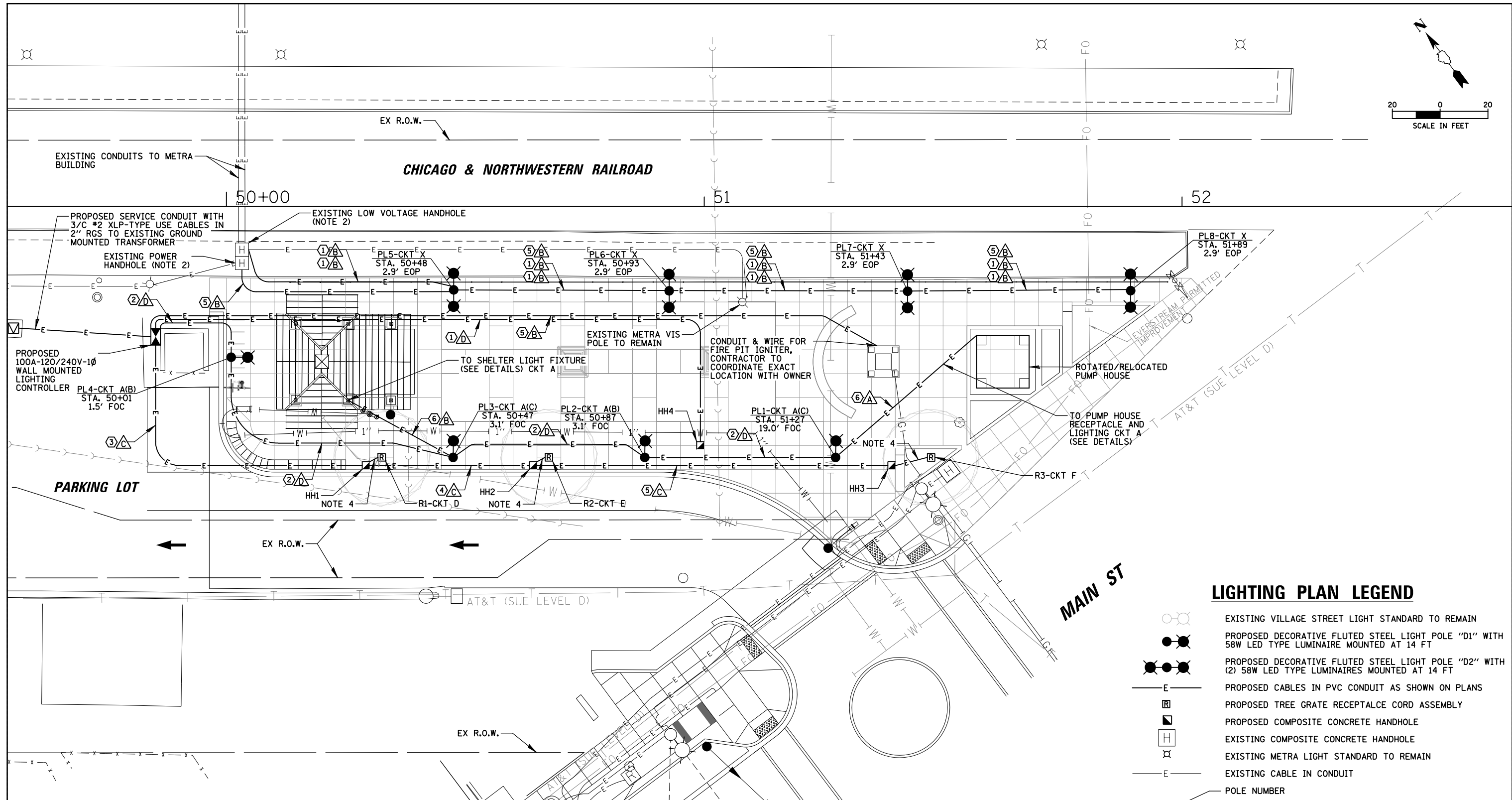
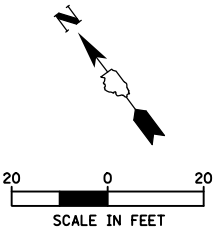
- EXISTING VILLAGE STREET LIGHT STANDARD TO REMAIN
- EXISTING COMPOSITE CONCRETE HANDHOLE
- EXISTING RECEPTACLE
- EXISTING METRA LIGHT STANDARD TO REMAIN
- EXISTING CABLE IN CONDUIT
- EXISTING ITEM TO BE REMOVED
- POLE NUMBER
- LIGHT POLE CIRCUIT IDENTIFIER
- FESTOON RECEPTACLE CIRCUIT IDENTIFIER

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| Default | PLOT SCALE = 20' | CHECKED AJD | REVISED - |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|------------------------------------|-------|-----------|--------------|
| DOWNTOWN CARY GATEWAY PLAZA | | | |
| LIGHTING REMOVAL PLAN | | | |
| SCALE: 20' | SHEET | OF SHEETS | STA. TO STA. |

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 22-00074-00-MS | | 31 | 25 |
| CONTRACT NO. 61K43 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



PROPOSED LIGHTING NOTES

1. CONTRACTOR SHALL COORDINATE PROPOSED ELECTRIC SERVICE WITH COMED NEW BUSINESS.
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 AND UNION PACIFIC FOR PROPOSED CIRCUITS AND CONDUIT TIE IN TO THE PLATFORM LIGHTING CIRCUIT(S).
3. PROPOSED LIGHT POLES ALONG THE PLATFORM TO BE OWNED AND MAINTAINED BY METRA.
4. SEE TREE GRATE RECEPTACLE CORD ASSEMBLY DETAIL FOR CONDUIT SIZE/TYPE.

| CONDUIT SCHEDULE | |
|------------------|--------------------------------------|
| ID | DESCRIPTION |
| A | 1/2" SCH 40 PVC CONDUIT (PROPOSED) |
| B | 3/4" SCH 40 PVC CONDUIT (PROPOSED) |
| C | 1" SCH 40 PVC CONDUIT (PROPOSED) |
| D | 1 1/2" SCH 40 PVC CONDUIT (PROPOSED) |

| CONDUCTOR SCHEDULE | |
|--------------------|---|
| ID | DESCRIPTION |
| 1 | EMPTY WITH PULLSTRING |
| 2 | 1/C #10, 1/C #10 NEUTRAL (LIGHT CKT), 2/C #10, 2/C #10 NEUTRAL, & 1/C #10 GROUND (FESTOON CKT) XLP-TYPE USE WIRES |
| 3 | 3/C #10, 3/C #10 NEUTRAL, 1/C #10 GROUND XLP-TYPE USE WIRES |
| 4 | 2/C #10, 2/C #10 NEUTRAL, 1/C #10 GROUND XLP-TYPE USE WIRES |
| 5 | 1/C #10, 1/C #10 NEUTRAL, 1/C #10 GROUND XLP-TYPE USE WIRES |
| 6 | 1/C #12, 1/C #12 NEUTRAL, 1/C #12 GROUND XLP-TYPE USE WIRES |

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
- PROPOSED TREE GRATE RECEPTACLE CORD ASSEMBLY
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- EXISTING COMPOSITE CONCRETE HANDHOLE
- 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)

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| Default | PLOT SCALE = 20' | CHECKED AJD | REVISED - |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWNTOWN CARY GATEWAY PLAZA
PROPOSED LIGHTING PLAN

SCALE: 20' SHEET OF SHEETS STA. TO STA.

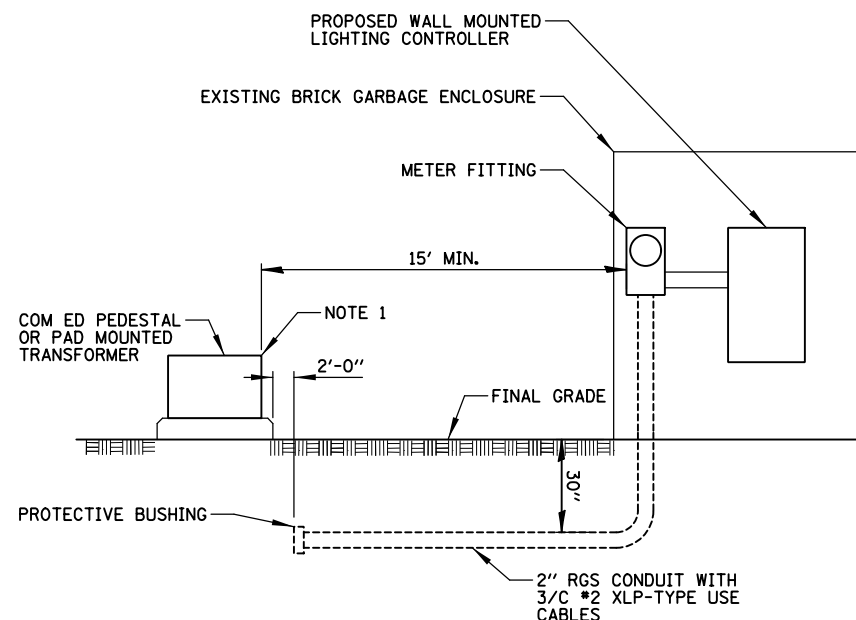
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 22-00074-00-MS | | 31 | 26 |
| | | | CONTRACT NO. 61K43 | |
| ILLINOIS FED. AID PROJECT | | | | |

| ITEM | SPECIFICATION |
|--------------------------------|--|
| ① MAIN CIRCUIT BREAKER | 100 AMPERE, 2P, 240V SERVICE RATING, 10KAIC |
| ② AUXILIARY RELAY | 120 V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS |
| ③ CONTACTOR | 100 AMPERE, 2P, 120V COIL, MECHANICALLY HELD |
| ④ BRANCH LINE CIRCUIT BREAKERS | (4) 20A, 1P, 120V RATING, 10KAIC |
| ⑤ BRANCH LINE CIRCUIT BREAKERS | (3) 20A, 1P, 240V RATING, 10KAIC, GFCI |
| ⑥ CONTAINER CIRCUIT BREAKER | (1) 50A, 2P, 240V RATING, 10KAIC |
| ⑦ FIRE PIT CIRCUIT BREAKER | (1) 20A, 1P, 120V RATING, 10KAIC |
| ⑧ POWER DISTRIBUTION BLOCK | 600 VOLT, INSULATED, SIZE AS REQ'D, 10KAIC |
| ⑨ SERVICE CABLES | 3-600V (XLP-TYPE USE) NO. #2 |
| ⑩ CONTROL WIRE | 2-600V XLP NO. 12 |
| ⑪ PHOTOELECTRIC CONTROL WIRE | 3-600V XLP NO. 12 |
| ⑫ HAND-AUTO-OFF CONTROL SWITCH | 20A, 3 POS. MTD IN CAST ALUM. ENCLOSURE |
| ⑬ PHOTOCELL | 120V, MTD. ON CABINET, DELAY TYPE, SPST-NC |
| ⑭ TERMINAL BLOCK | 3 TERMINAL, SCREW TYPE, MAX. #10 WIRE SIZE |
| ⑮ CIRCUIT BREAKER DIST. BLOCKS | 30A, 600V, 10 KAIC - WIRE RANGE: LINE SIDE LUG (1) #2/0-#14 AWG, LOAD SIDE LUGS (2) #4-#14 AWG |

NOTES:

- ALL ITEMS LISTED IN LIGHTING CONTROLLER COMPONENT SCHEDULE SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER (SPECIAL)" INCLUDING CABINET AND MOUNTING.
- 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 NAMEPLATES.
- 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

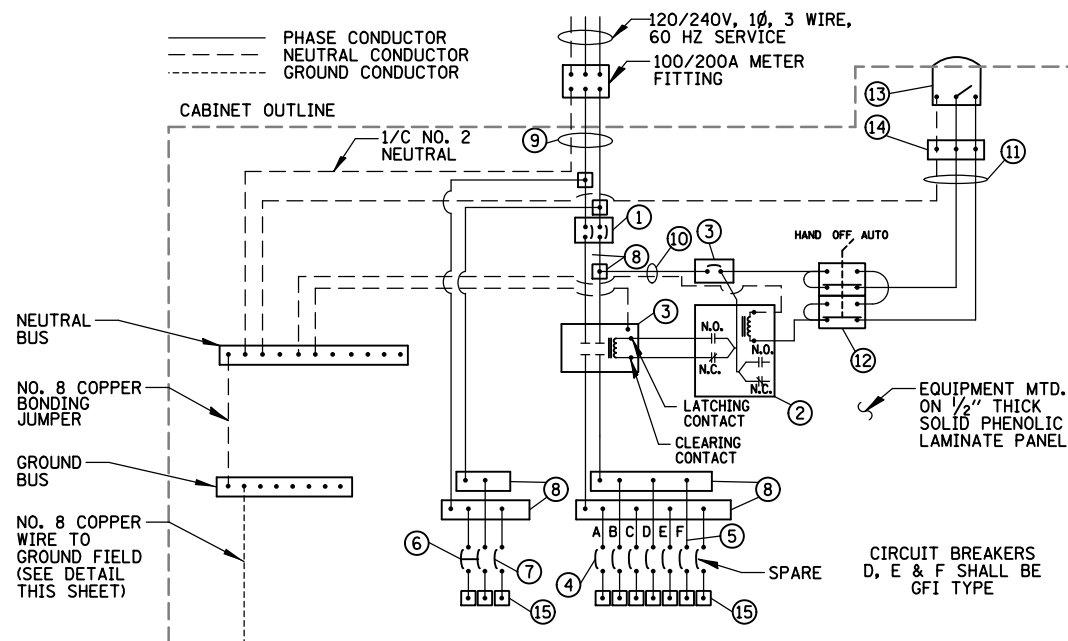


NOTES:

- INSTALL SERVICE CONDUIT UP TO 2' AWAY FROM PEDESTAL/TRANSFORMER WITH PROTECTIVE BUSHING ON END OF CONDUIT. PROVIDE ADEQUATE SLACK CABLE COILED UP FOR COM ED TO CONNECT. CONTRACTOR TO SCHEDULE & COORDINATE ALL WORK WITH COM ED.
- THE HORIZONTAL SERVICE CONDUIT & WIRE FROM THE PEDESTAL/TRANSFORMER TO THE CONTROLLER PAID FOR SEPARATELY.

ELECTRIC SERVICE UNDERGROUND CONNECTION TO PEDESTAL/TRANSFORMER

N.T.S.

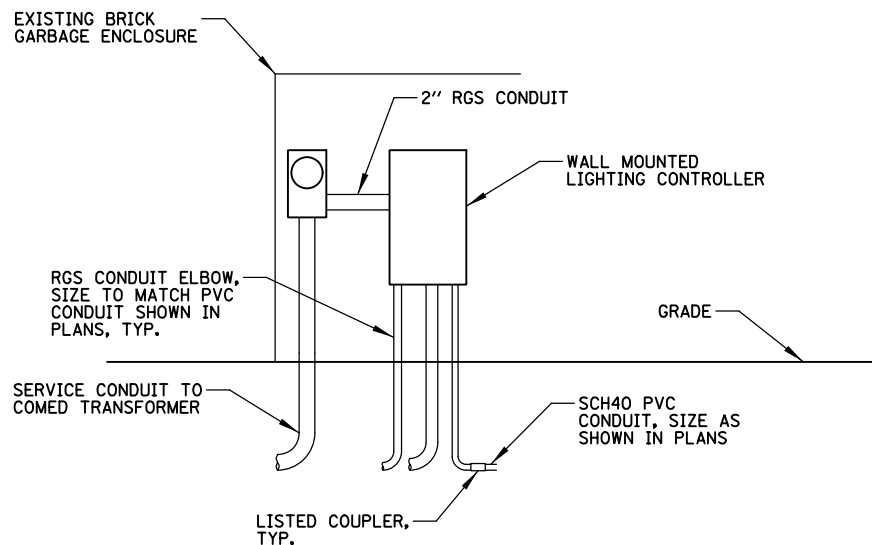


NOTES:

- 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.
- IN ADDITION TO THE TERMINATIONS SHOWN, THE NEUTRAL AND GROUND BUS BARS SHALL EACH ACCOMMODATE A MINIMUM OF 8 ADDITIONAL TERMINATIONS (#2-#14).
- IN ADDITION TO THE TERMINATIONS SHOWN, THE POWER DISTRIBUTION BLOCKS ON THE LOAD SIDE OF THE MAIN BREAKER SHALL EACH ACCOMMODATE A MINIMUM OF 4 ADDITIONAL TERMINATIONS (#2-#14).

LIGHTING CONTROLLER WIRING DETAIL

N.T.S.



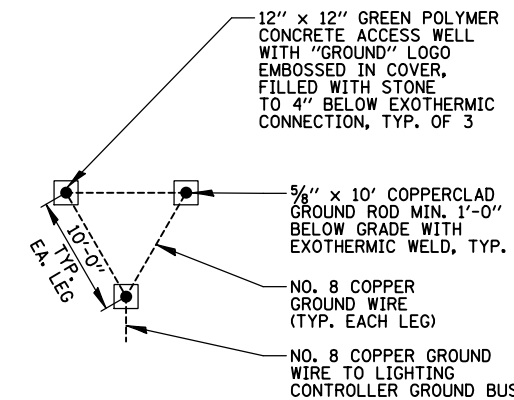
OUTSIDE ENCLOSURE - FACING SOUTHEAST

NOTES:

- ALL ITEMS SHOWN ABOVE (INCLUDING METER FITTING, MOUNTING, RGS ELBOWS & GROUND FIELD) SHALL BE INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER (SPECIAL)", EXCEPT FOR THE SERVICE CONDUIT WHICH WILL BE PAID FOR SEPARATELY.
- ENCLOSURE DIMENSIONS SHOWN ARE APPROXIMATE, ENCLOSURE SHALL BE AS COMPACT AS POSSIBLE, CONTRACTOR TO COORDINATE.
- ALL MOUNTING HARDWARE (WASHERS, BOLTS, ANCHORS) SHALL BE STAINLESS STEEL.

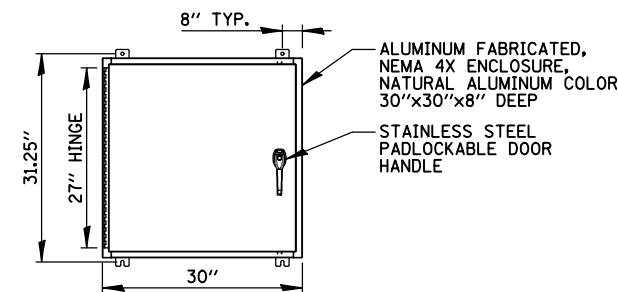
LIGHTING CONTROLLER ENCLOSURE

N.T.S.



GROUND FIELD DETAIL (TYP.)

N.T.S.



WALL MOUNTED LIGHTING CONTROLLER

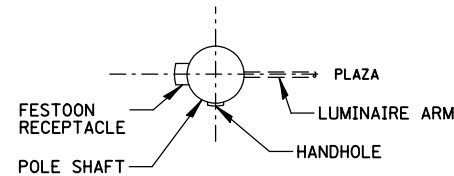
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| N:\CARY\150361.00023\Mech\LDT.150361.00023.01.sht | | DRAWN RMS/RJJ | REVISED - |
| Default | PLOT SCALE = 48" | CHECKED AJD | REVISED - |
| | PLOT DATE = 10/22/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

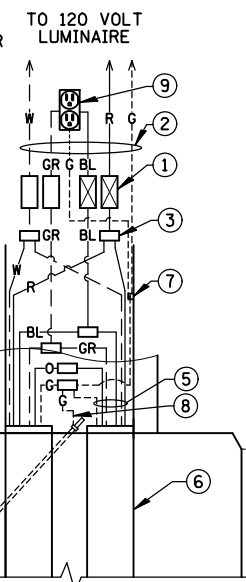
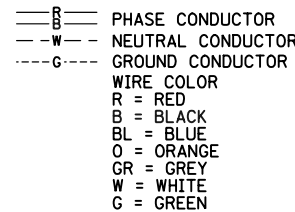
DOWNTOWN CARY GATEWAY PLAZA
LIGHTING DETAILS (1 OF 5)

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 | | | | |



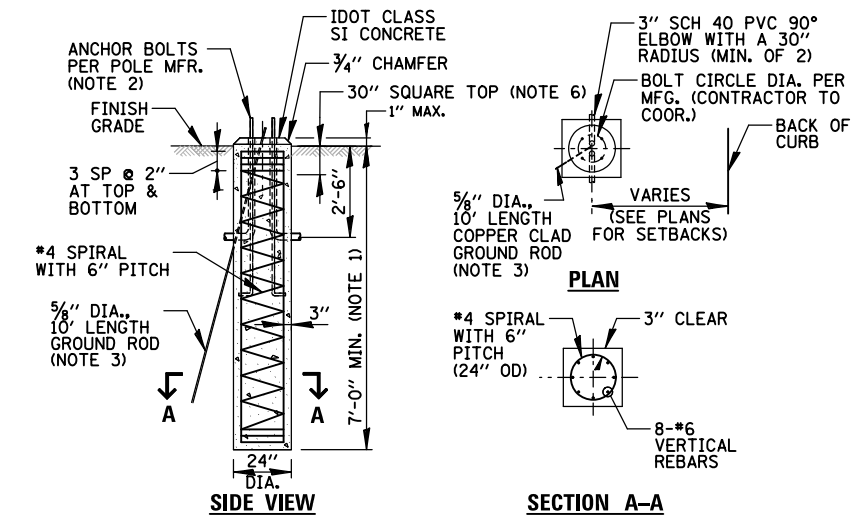
POSITION OF HANDHOLE DETAIL
N.T.S.



- 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

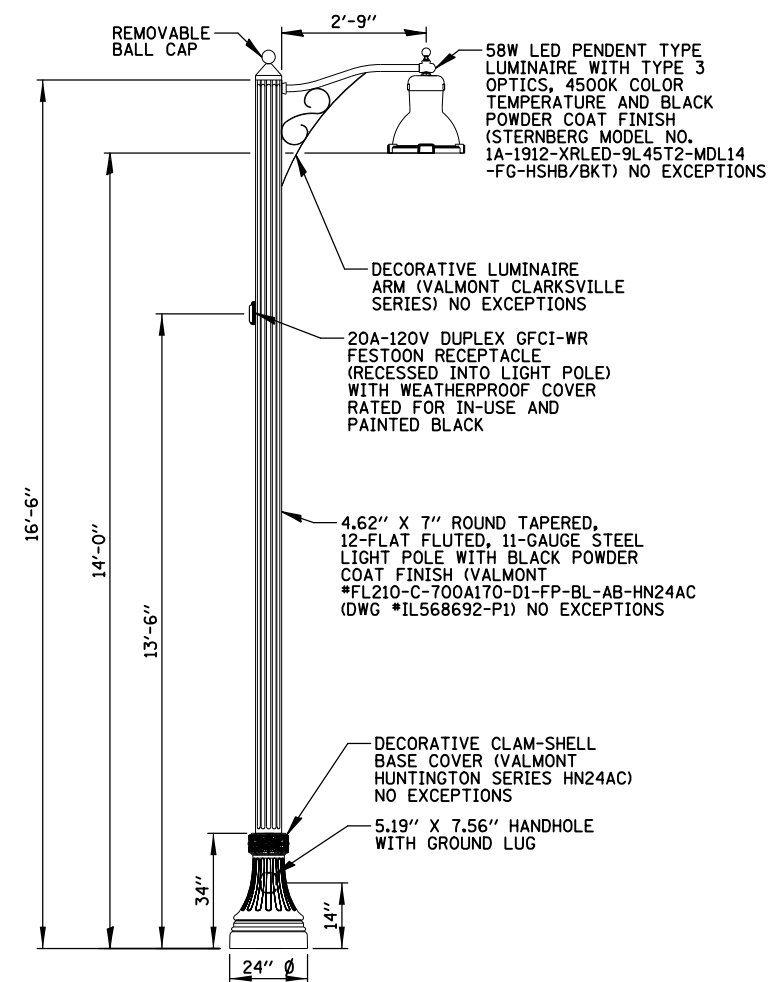
- NOTES:**
1. PROVIDE SEPARATE FUSING FOR RUNS TO GAZEBO AND PUMP HOUSING USING 2A FUSE.

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



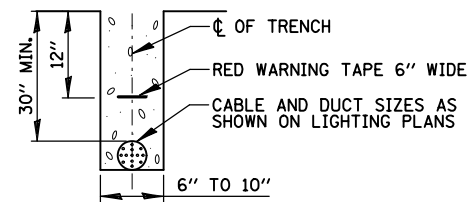
- NOTES:**
1. FOUNDATION DEPTH IS BASED ON COHESIVE SOIL ALONG THE LENGTH OF THE SHAFT, WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH (QU) $>$ 1.0 TON/SF. SOIL STRENGTH SHALL BE VERIFIED BY BORING DATA PRIOR TO CONSTRUCTION, OR WITH TESTING DURING FOUNDATION DRILLING. THE OWNER'S REPRESENTATIVE SHALL 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.

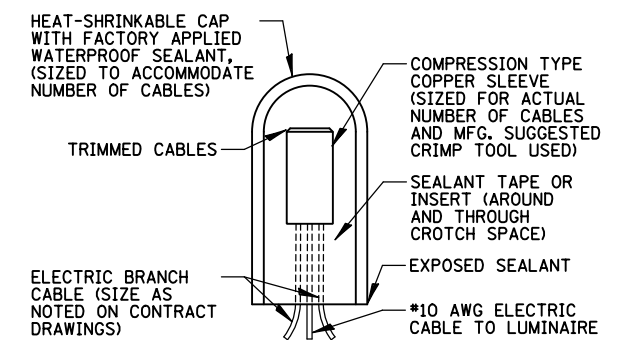


- NOTES:**
1. PAID FOR UNDER "DECORATIVE LIGHTING UNIT, TYPE "D1" (SEE SPECIAL PROVISIONS).

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

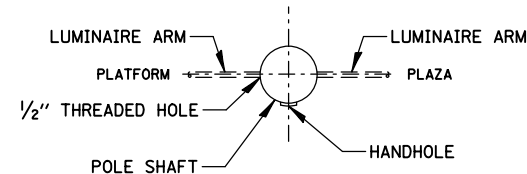


**TRENCH CROSS SECTION
ELECTRIC CONDUIT INSTALLATION**
N.T.S.



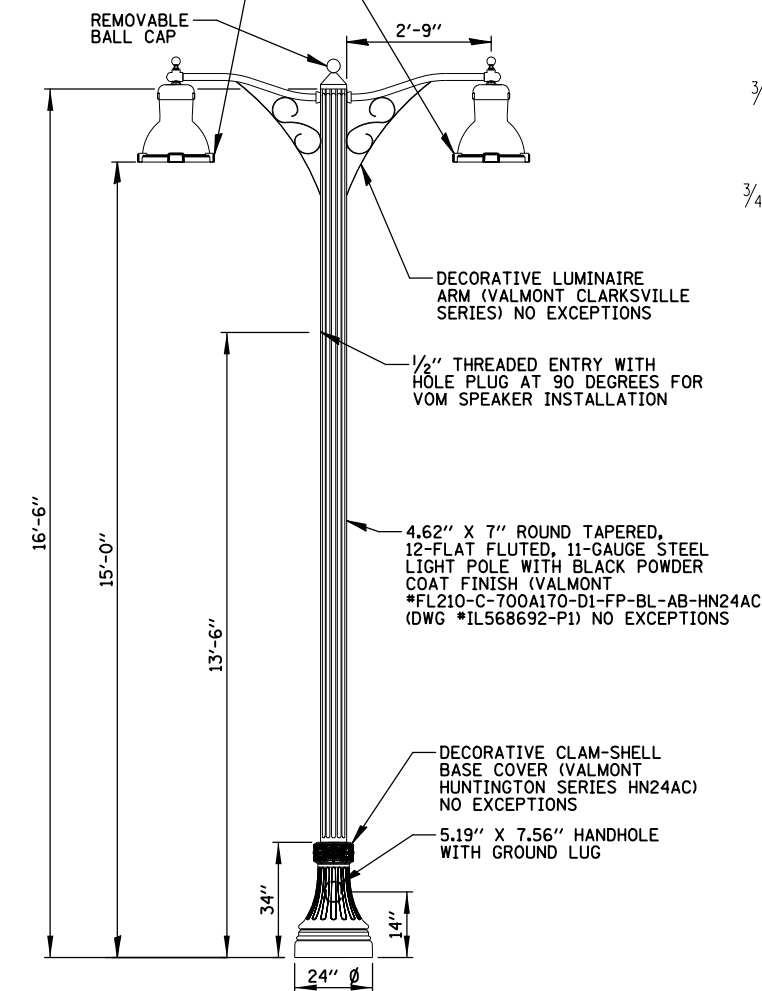
SPLICING ELECTRIC CABLE
N.T.S.

| | | | | | | | | | | |
|---|-----------------------|------------------|----------------|---|--|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = mthomas | DESIGNED AJD/RJJ | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DOWNTOWN CARY GATEWAY PLAZA LIGHTING DETAILS (1 OF 4) | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\CARY\150361.00023\Mech\LDT.150361.00023.02.sht | DRAWN RMS/RJJ | REVISED - | 22-00074-00-MS | | | 31 | 28 | | | |
| Default | PLOT SCALE = 48" | CHECKED AJD | REVISED - | | | CONTRACT NO. 61K43 | | | | |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |
| SCALE: | | SHEET OF SHEETS | | STA. | TO STA. | | | | | |



POSITION OF HANDHOLE DETAIL
N.T.S.

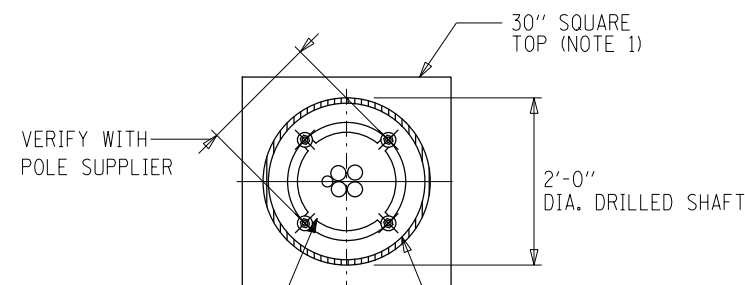
58W LED PENDENT TYPE LUMINAIRE WITH TYPE 3 OPTICS, 4500K COLOR TEMPERATURE AND BLACK POWDER COAT FINISH (STERNBERG MODEL NO.1A-1912-XRLED-9L45T2 -MDL14-FG-HSHB/BKT) NO EXCEPTIONS



NOTES:

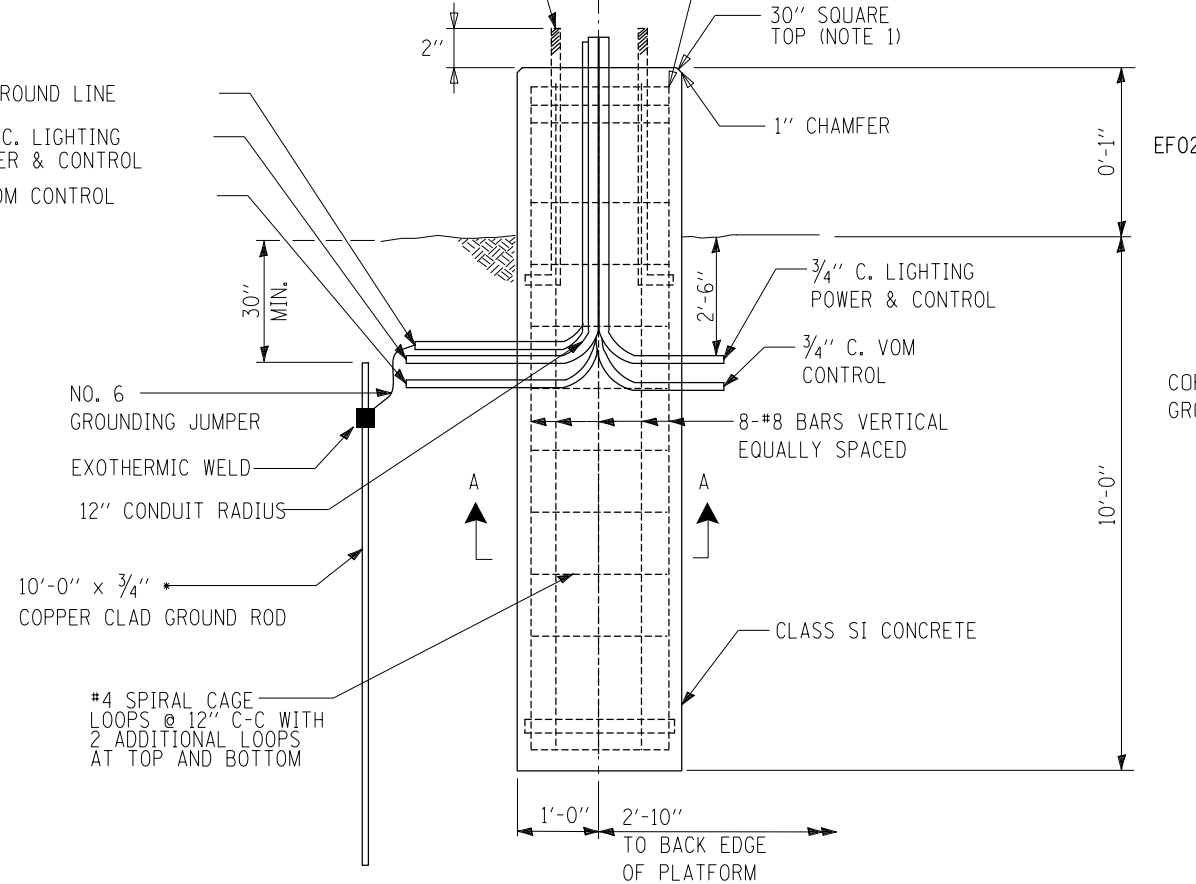
1. PAID FOR UNDER "DECORATIVE LIGHTING UNIT, TYPE "D2"" (SEE SPECIAL PROVISIONS).

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



3/4" • HOT DIP GALVANIZED L-TYPE ANCHOR BOLTS (4 PER POST, 2" ABOVE CONCRETE FOUNDATION)

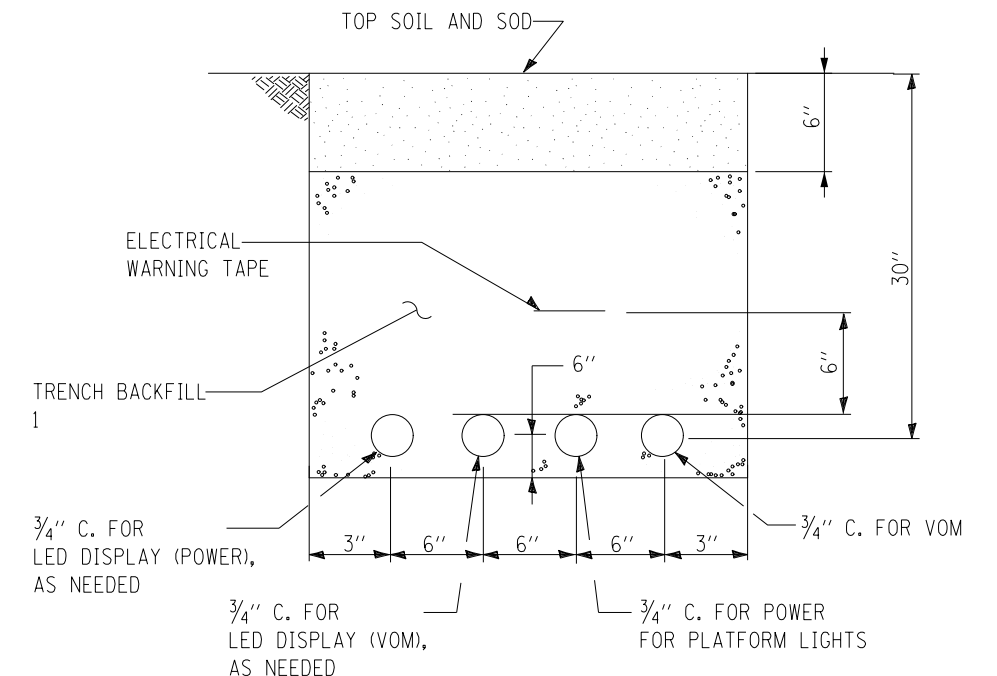
3/4" C. GROUND LINE
3/4" C. LIGHTING POWER & CONTROL
3/4" C. VOM CONTROL



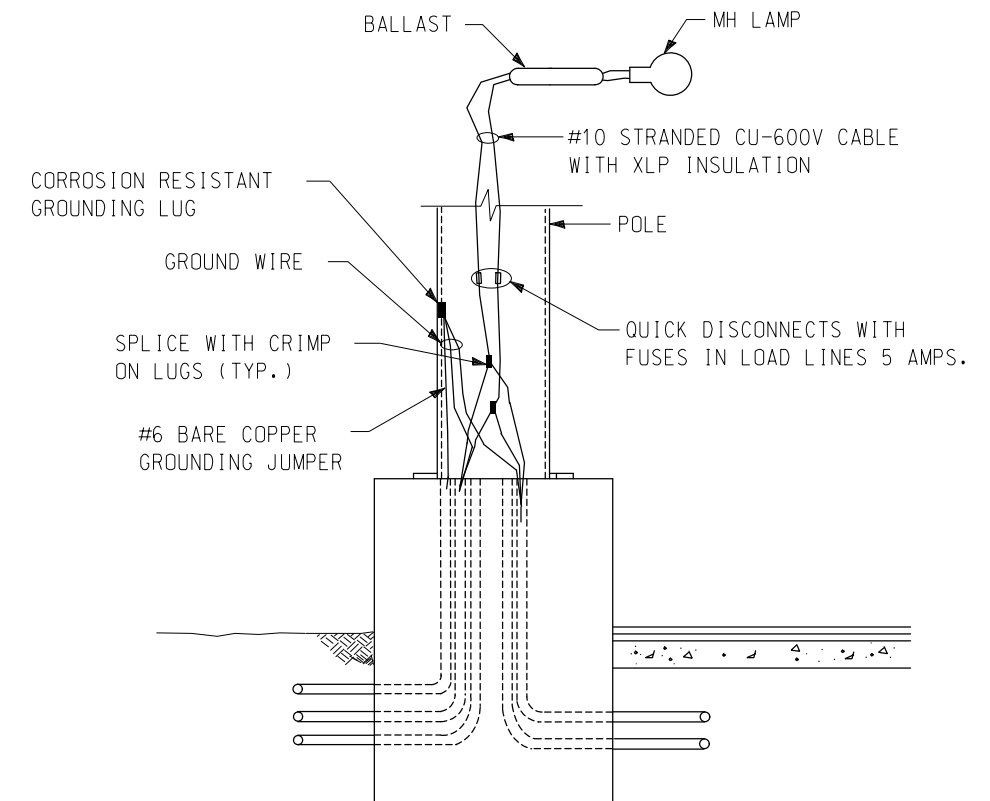
NOTES:

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

FOUNDATION & CONDUITS DETAIL
(FOR METRA POLES)



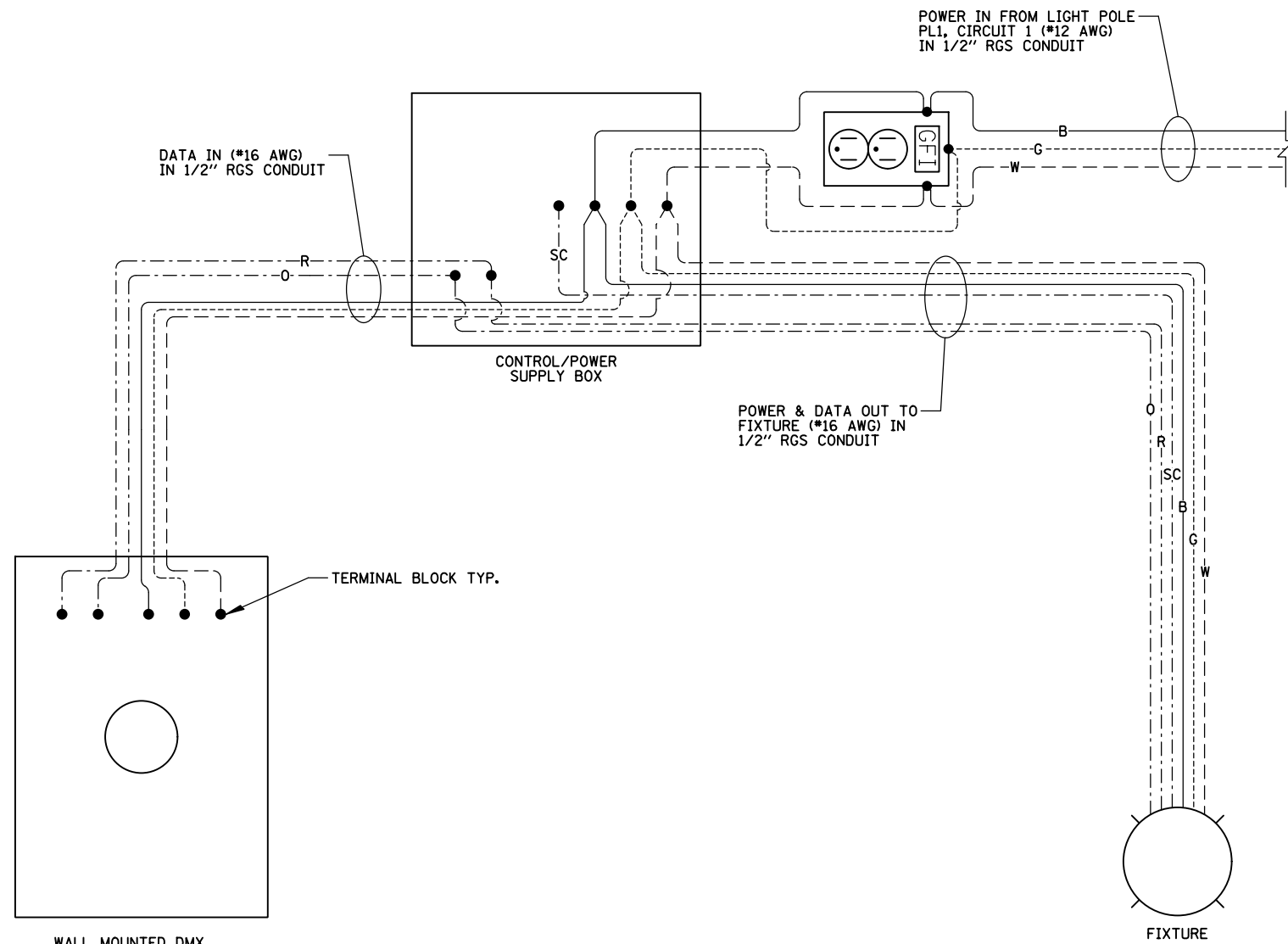
POWER AND CONTROL CONDUITS TRENCH DETAIL



PLT03

TYPICAL POLE WIRING

| | | | | | | | | | | |
|---|-----------------------|------------------|----------------|---|--|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = mthomas | DESIGNED AJD/RJJ | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DOWNTOWN CARY GATEWAY PLAZA LIGHTING DETAILS (3 OF 5) | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\CARY\150361.00023\Mech\LDT_150361.00023_03.shd | DRAWN RMS/RJJ | REVISED - | 22-00074-00-MS | | | 31 | 29 | | | |
| Default | PLOT SCALE = 48" | CHECKED AJD | REVISED - | | | CONTRACT NO. 61K43 | | | | |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |
| SCALE: | | SHEET OF SHEETS | | STA. | TO STA. | | | | | |



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.

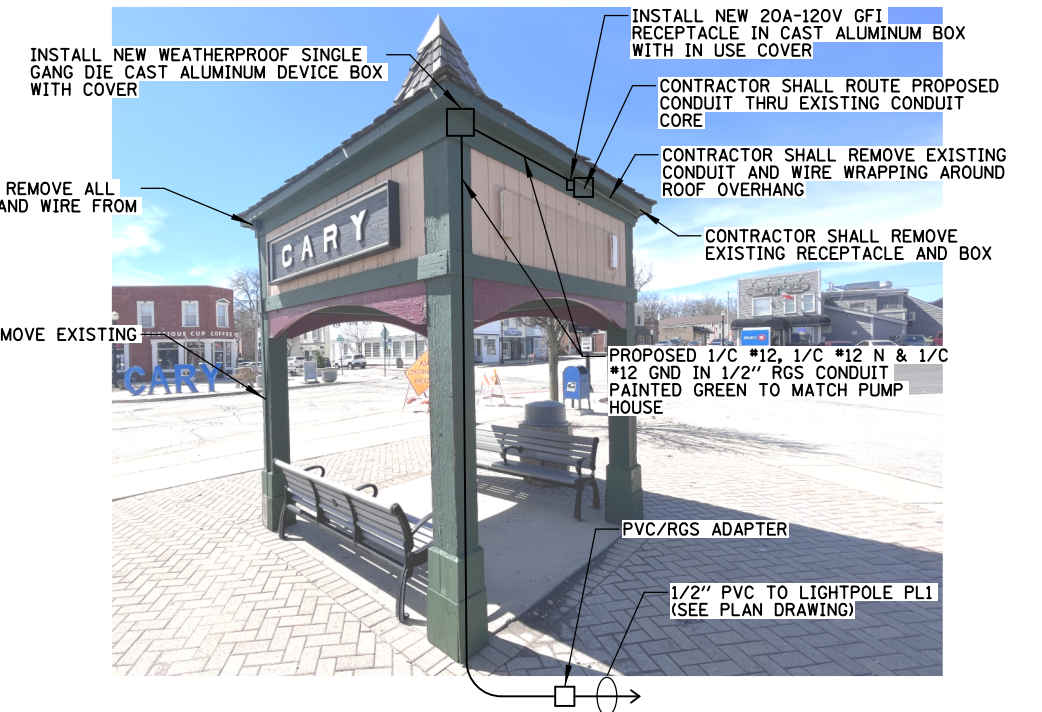
| WIRE SCHEDULE | | | |
|---------------|--------|--------|---------------|
| ID | SYMBOL | COLOR | USE |
| B | ————— | BLACK | HOT |
| W | ----- | WHITE | NEUTRAL |
| G | ----- | GREEN | GROUND |
| R | ----- | RED | 0-10V DATA + |
| O | ----- | ORANGE | 0-10V DATA - |
| GR | ----- | GREY | SIGNAL COMMON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

SWITCH AND RECEPTACLE WIRING DIAGRAM

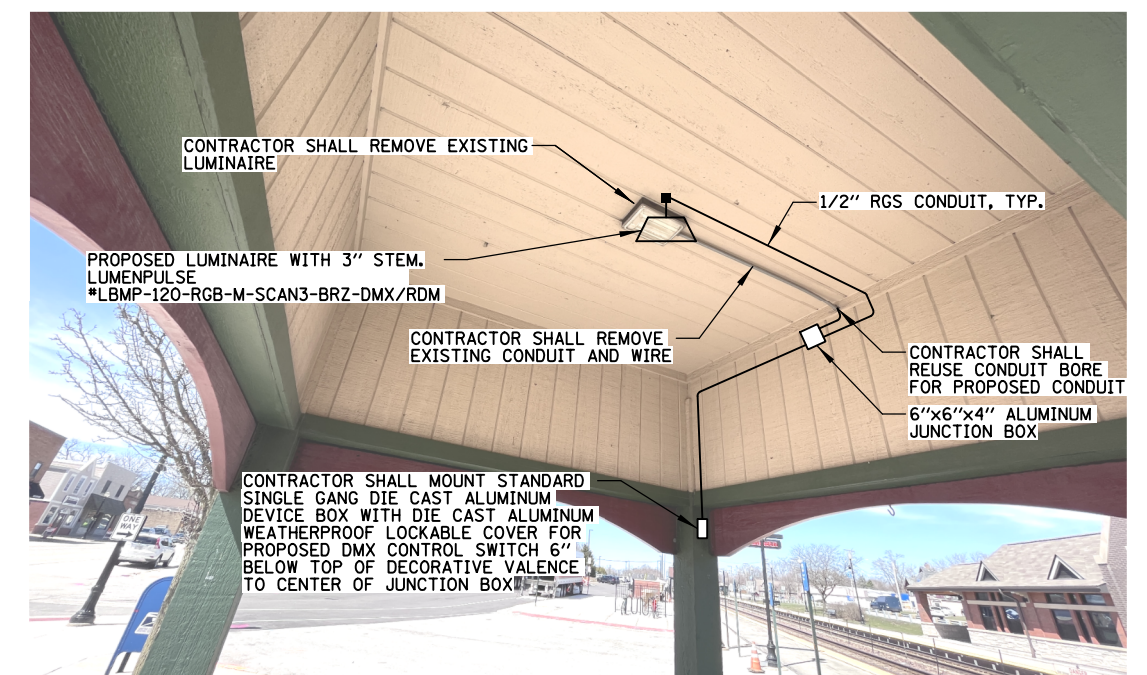
NOTES:

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.

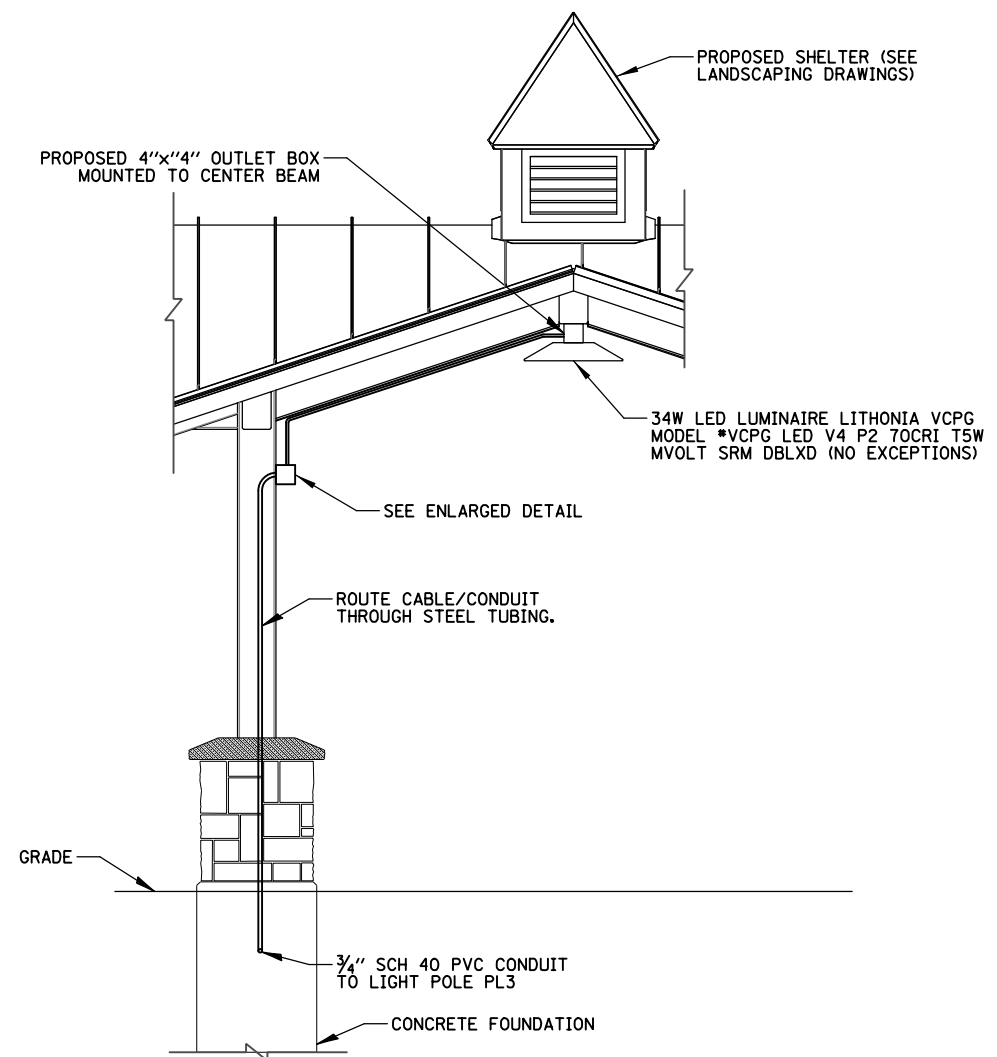
PUMP HOUSE
N.T.S.



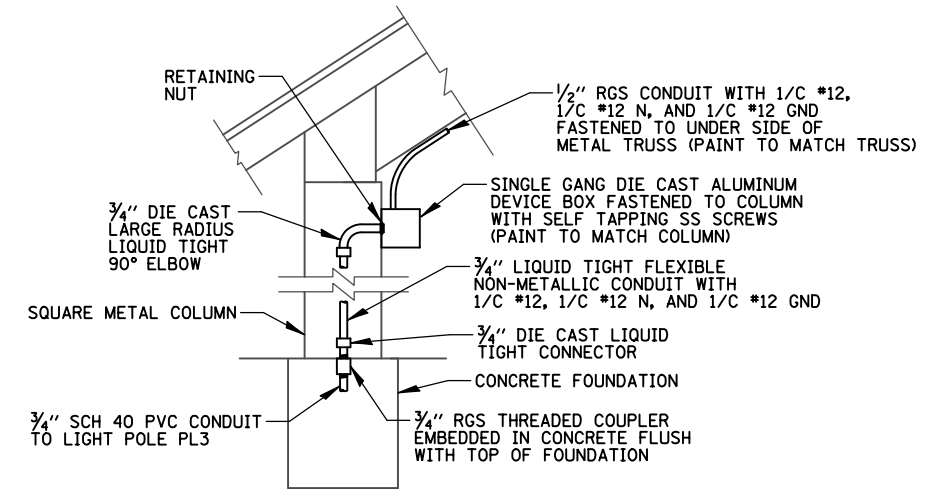
PUMP HOUSE EXTERIOR PROPOSED ELECTRICAL PLAN



PUMP HOUSE INTERIOR PROPOSED ELECTRICAL PLAN



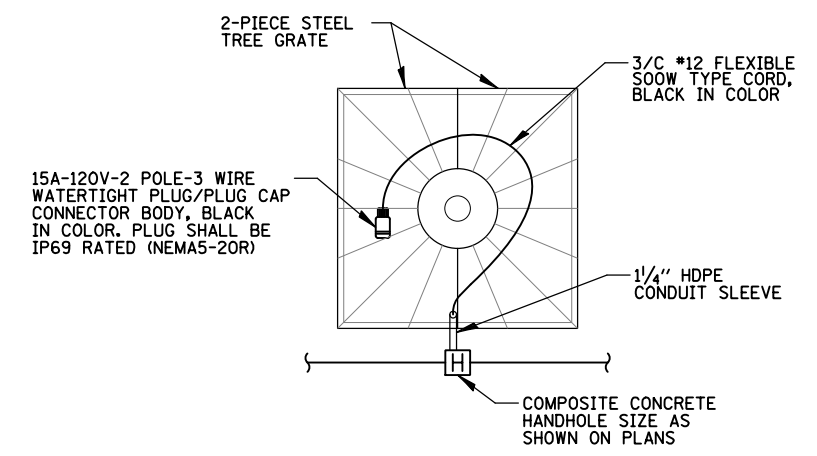
SIDE VIEW



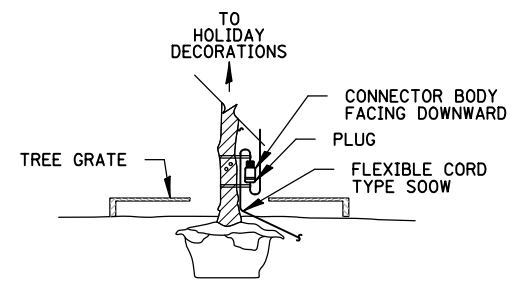
ENLARGED DETAIL

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

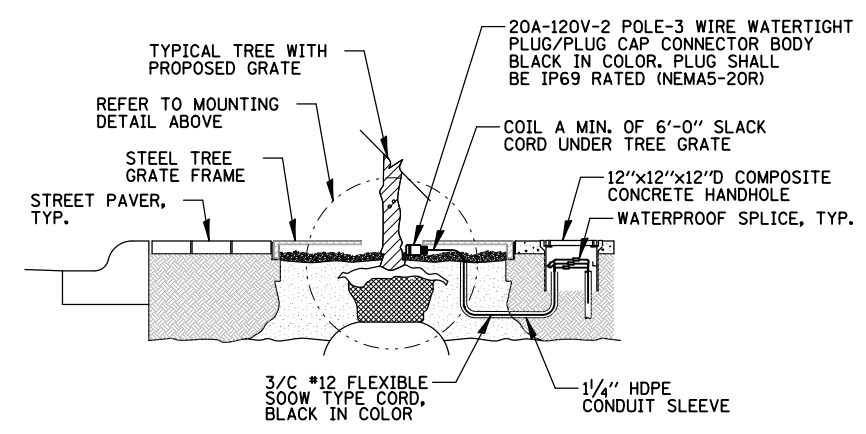
SHELTER ELECTRICAL PLAN
N.T.S.



PLAN VIEW



MOUNTING DETAIL FOR IN USE SERVICE

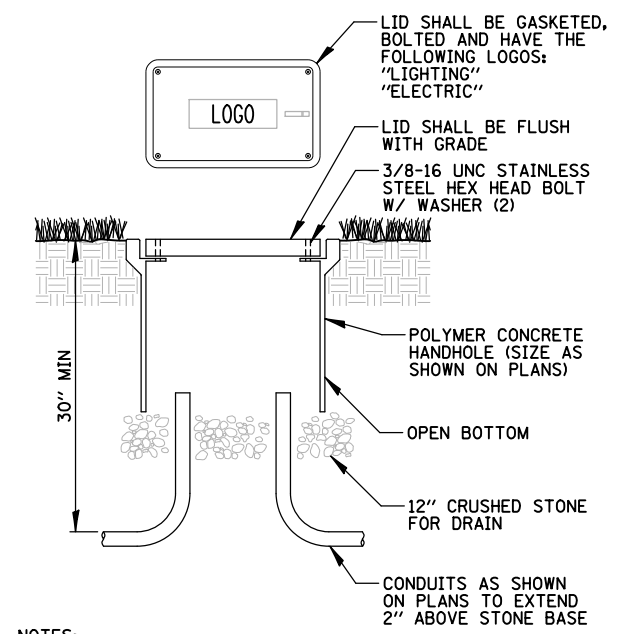


- NOTES:
- CONTRACTOR SHALL SUPPLY SEPARATE CORD SET, 10 FT. IN LENGTH AND BLACK IN COLOR, WITH MATCHING WATERTIGHT IP69 CONNECTOR ENDS (ONE END W/PLUG AND ONE END W/ RECEPTACLE).
 - ALL MATERIAL & LABOR TO PERFORM THE WORK SHOWN ABOVE SHALL BE INCLUDED IN UNIT PRICE FOR "OUTLET SPECIAL". HANDHOLE SHALL BE PAID FOR SEPARATELY.

TREE GRATE RECEPTACLE CORD ASSEMBLY DETAIL
N.T.S.

| ID # | SIZE | LID LOGO | PAY ITEM |
|---------|------------------|----------|--|
| HH1-HH3 | 12"x12"x12" DEEP | LIGHTING | HANDHOLE, COMPOSITE CONCRETE |
| HH4 | 11"x18"x18" DEEP | ELECTRIC | HANDHOLE, COMPOSITE CONCRETE (SPECIAL) |

HANDHOLE SCHEDULE



- NOTES:
- SPLICES IN HANDHOLE SHALL BE WATERPROOF.
 - POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREY.
 - 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.

| | | | |
|--|-----------------------|------------------|-----------|
| FILE NAME = | USER NAME = mthomas | DESIGNED AJD/RJJ | REVISED - |
| N:\CARY\150361.00023\Mech\LD\150361.00023_05.sht | | DRAWN RMS/RJJ | REVISED - |
| Default | PLOT SCALE = 48" | CHECKED AJD | REVISED - |
| | PLOT DATE = 9/27/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWNTOWN CARY GATEWAY PLAZA
LIGHTING DETAILS (5 OF 5)

SCALE: SHEET OF SHEETS STA. TO STA.

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