

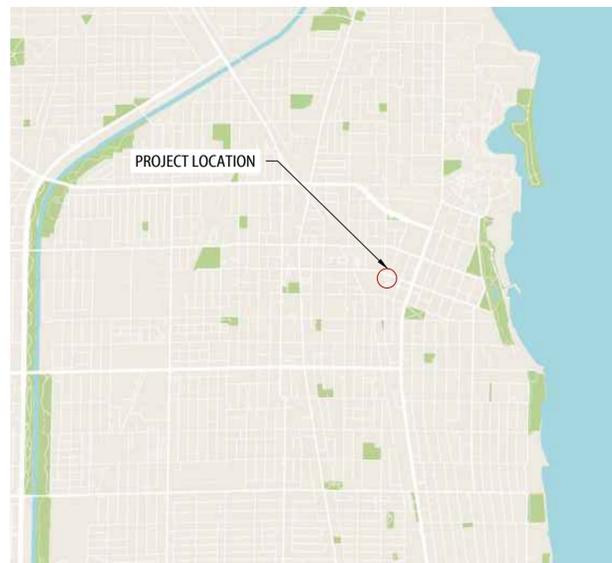
CITY OF EVANSTON

EVANSTON FOUNTAIN SQUARE SOUTH PLAZA

BID #25-45

LOCATION/ADDRESS: FOUNTAIN SQUARE SOUTH PLAZA
 SHERMAN AVENUE, NORTH OF GROVE STREET
 EVANSTON, IL 60201

BID SUBMITTAL
 AUGUST 5, 2025



SITE LOCATION MAP

DRAWINGS PREPARED BY:



CLIENT/OWNER

CITY OF EVANSTON
 909 DAVIS STREET
 EVANSTON, IL 60201
 p 847.448.4311

LANDSCAPE ARCHITECT OF RECORD

TESKA ASSOCIATES, INC.
 627 GROVE STREET
 EVANSTON, IL 60201
 p 847.869.2015

ENGINEER

CHRISTOPHER BURKE ENGINEERING
 9575 WEST HIGGINS ROAD SUITE 600
 ROSEMONT, IL 60018
 p 847.823.0500

CITY OF EVANSTON
 909 DAVIS STREET
 EVANSTON, IL 60201
 p. 847.448.4311

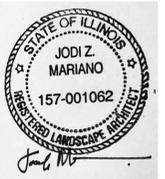
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L-400	PLANTING PLAN
LD-500	PAVING DETAILS
LD-501	PAVING DETAILS
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LD-503	PLANTING DETAILS

CIVIL AND ELECTRICAL ENGINEERING	
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GRA-01	GRADING PLAN
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FOUNTAIN SQUARE
SOUTH PLAZA IMPROVEMENTS
project address
FOUNTAIN SQUARE SOUTH PLAZA
700 DAVIS ST
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seal / signature



owner / developer
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landscape architect of record
TESKA ASSOCIATES, INC.
627 GROVE STREET
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p 847.869.2015 f 847.869.2059

engineer
CHRISTOPHER BURKE ENGINEERING
9575 WEST HIGGINS ROAD SUITE 600
ROSEMONT, IL 60018
p 847.868.2980

Item	Description	Unit	Base Bid Quantity
1	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1
2	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
3	MOBILIZATION	LSUM	1
4	STRUCTURES TO BE ADJUSTED	EACH	1
5	REMOVE AND REINSTALL BRICK PAVER	SQ FT	780
6	BRICK SIDEWALK REMOVAL	SQ FT	110
7	SAWCUT PAVEMENT	LF	260
8	REMOVE EXISTING IRRIGATION SYSTEM AND RELOCATE RPZ ENCLOSURE	LSUM	1
9	CONCRETE HEADER TO BE REMOVED	FOOT	260
10	TREE REMOVAL (5-6" CAL)	EACH	4
11	EARTH EXCAVATION	CU YD	119
12	FESTOON LIGHT POLE WITH STRING LIGHTS + MESSENGER WIRE, COMPLETE IN PLACE	EACH	3
13	LIGHT POLE FOUNDATIONS	LF	24
14	TREE GRATE RECEPTACLES, COMPLETE IN PLACE	EACH	3
15	ELECTRICAL CONNECTIONS TO PROPOSED LIGHTING UNITS	EACH	1
16	ELECTRICAL CONNECTIONS TO EXISTING TREE GRATE RECEPTACLES	EACH	1
17	MAINTENANCE OF EXISTING FOUNTAIN SQUARE ELECTRICAL SYSTEMS	LSUM	1
18	COILABLE NON METALLIC CONDUIT - 1 1/4" HDPE SCH 40	LF	300
19	ELECTRICAL CABLE IN CONDUIT 1/C #4 XLP-TYPE USE	LF	750
20	ELECTRICAL CABLE IN CONDUIT 1/C #8 XLP-TYPE USE	LF	600
21	REMOVE TREE RECEPTACLES, COMPLETE IN PLACE	EACH	4
22	REMOVE AND REPLACE EXISTING SOUTH PLAZA STRING LIGHTS	LSUM	1
23	HOLIDAY TREE RACEWAY AND JUNCTION BOX	LSUM	1
24	REMOTE MOUNTED DMX COLOR CHANGING CONTROLLER, COMPLETE IN PLACE	EACH	1
25	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SPECIAL)	SQ FT	2465
26	PAVING, PERMEABLE PRECAST CONCRETE PAVER UNITS	SQ FT	2465
27	REMOVE AND REINSTALL BRICK PAVER	SQ FT	440
28	TREE GRATES AND FRAMES	EACH	3
29	MOVABLE TABLES AND CHAIRS (8 TABLES, 24 CHAIRS)	LSUM	1
30	RESET EXISTING DRINKING FOUNTAIN	LSUM	1
31	TREE PLANTINGS, 3" CALIPER	EACH	3
32	PLANTING SOIL MIX	CU YD	8
33	MULCH, 3" SHREDDED HARDWOOD BARK	CU YD	1

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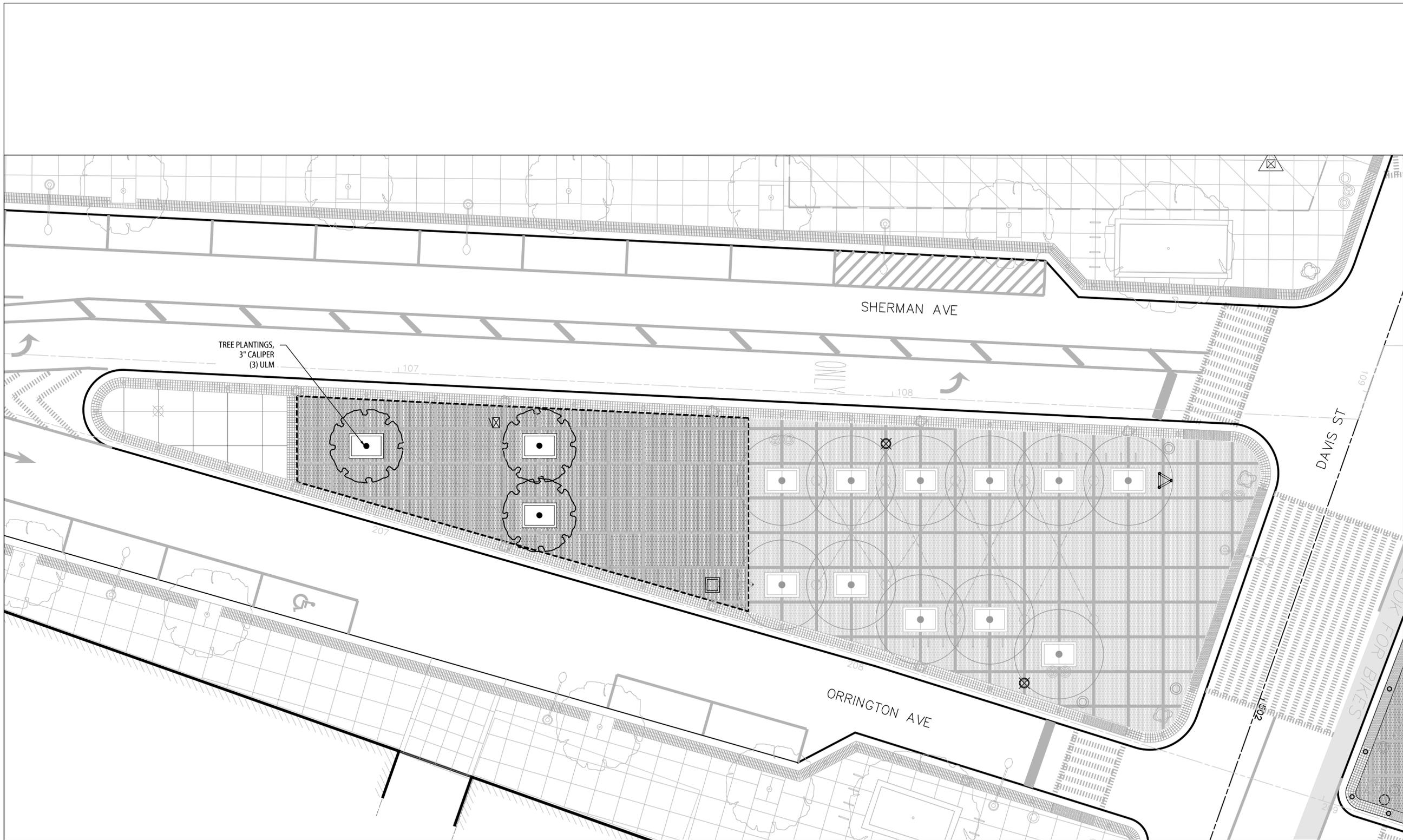
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issue date August 5, 2025

sheet name
SUMMARY OF QUANTITIES

sheet number

SOQ-1



client / owner
CITY OF EVANSTON
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**FOUNTAIN SQUARE
 SOUTH PLAZA IMPROVEMENTS**
 project address
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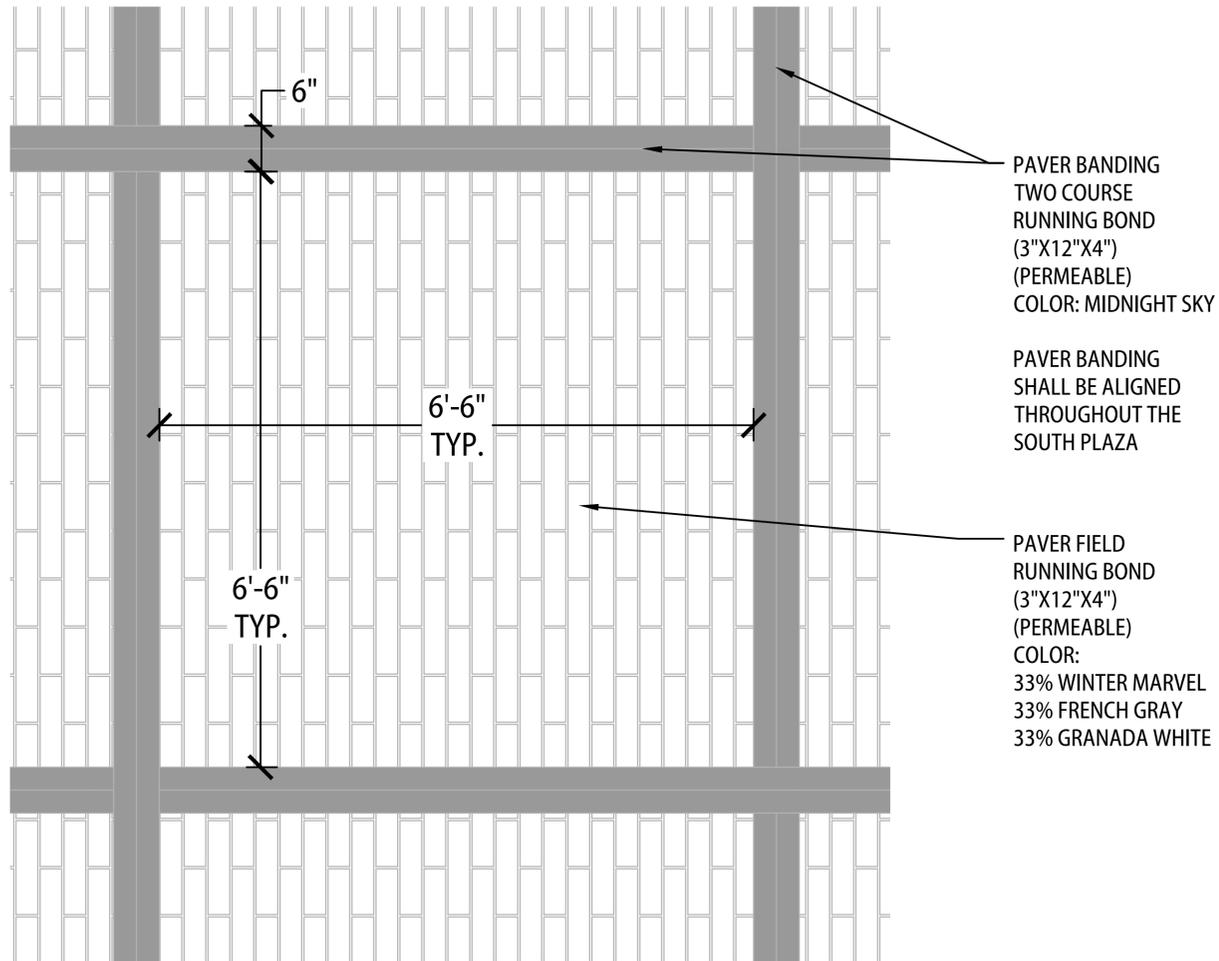
issue date August 5, 2025

sheet name
PLANTING PLAN

sheet number
L-400

MANUFACTURER:
 UNILOCK CHICAGO
 OR APPROVED EQUAL
 301 E. SULLIVAN RD.
 AURORA, IL 60505
 CONTACT: PHIL CARLSON

SPECIFICATION:
 PRODUCT: ECO-PROMENADE (PERMEABLE)
 SIZE: 3"w x 12"d x 4" ht.
 MATERIAL: CONCRETE
 FINISH: UMBRIANO
 COLORS: REFER TO PAVER BLENDS DESCRIBED BELOW



PAVER BANDING
 TWO COURSE
 RUNNING BOND
 (3"X12"X4")
 (PERMEABLE)
 COLOR: MIDNIGHT SKY

PAVER BANDING
 SHALL BE ALIGNED
 THROUGHOUT THE
 SOUTH PLAZA

PAVER FIELD
 RUNNING BOND
 (3"X12"X4")
 (PERMEABLE)
 COLOR:
 33% WINTER MARVEL
 33% FRENCH GRAY
 33% GRANADA WHITE

PAVERS TOTAL 2431 SF	
PAVER BANDING	MIDNIGHT SKY 316 SF
PAVER FIELD	WINTER MARVEL 705 SF
	FRENCH GRAY 705 SF
	GRANADA WHITE 705 SF

NOTE: PAVER MEASUREMENTS PROVIDED ABOVE REPRESENT TOTAL SQUARE FOOTAGES AS SHOWN ON THE PLANS AND DO NOT ACCOUNT FOR PAVER CUTS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL PAVERS NECESSARY TO ACHIEVE A COMPLETED INSTALLATION.

1 PAVING, PERMEABLE PRECAST CONCRETE PAVER UNITS NTS



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sheet name
 PAVING DETAILS

sheet number
LD-500



627 Grove Street, Evanston, Illinois 60201
Tel 847.869.2015 Fax 847.869.2059

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FOUNTAIN SQUARE
SOUTH PLAZA IMPROVEMENTS

project address
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seal / signature



owner / developer
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EVANSTON, IL 60201
p 847.448.4311

landscape architect of record
TESKA ASSOCIATES, INC.
627 GROVE STREET
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engineer
CHRISTOPHER BURKE ENGINEERING
9575 WEST HIGGINS ROAD SUITE 600
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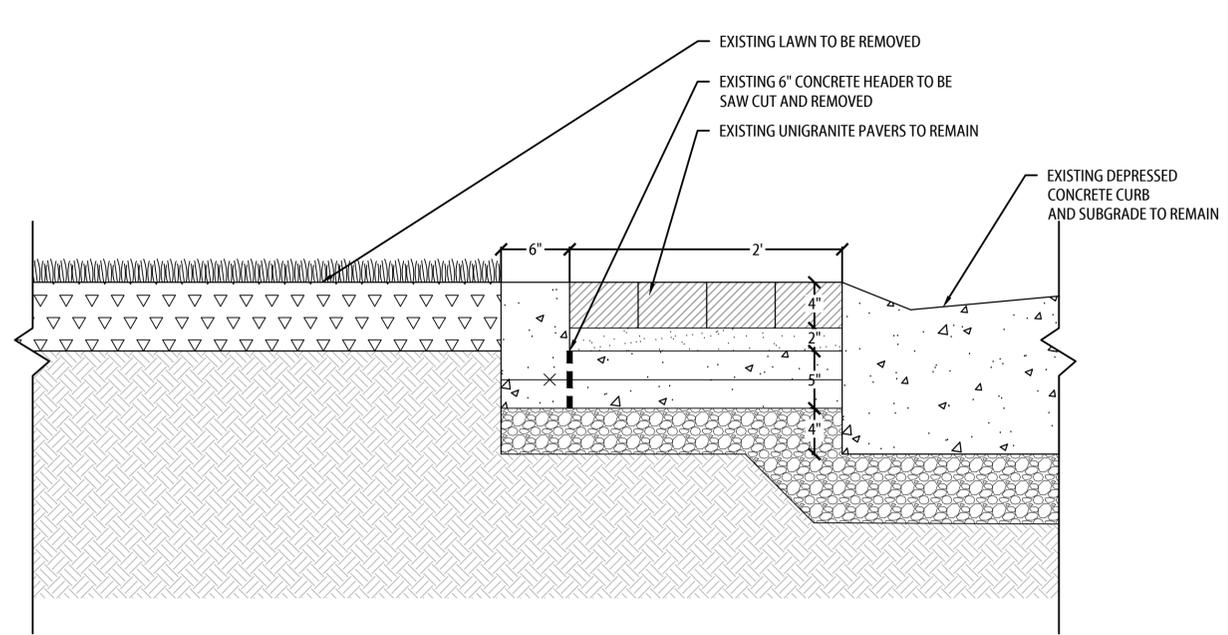
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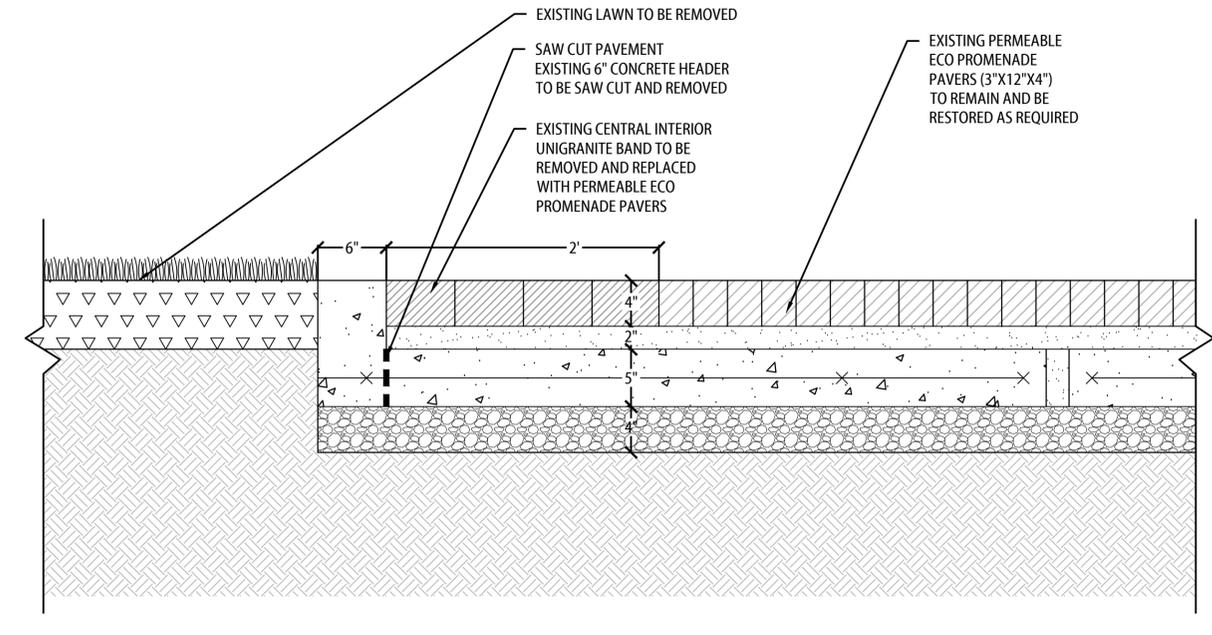
PAVING DETAILS

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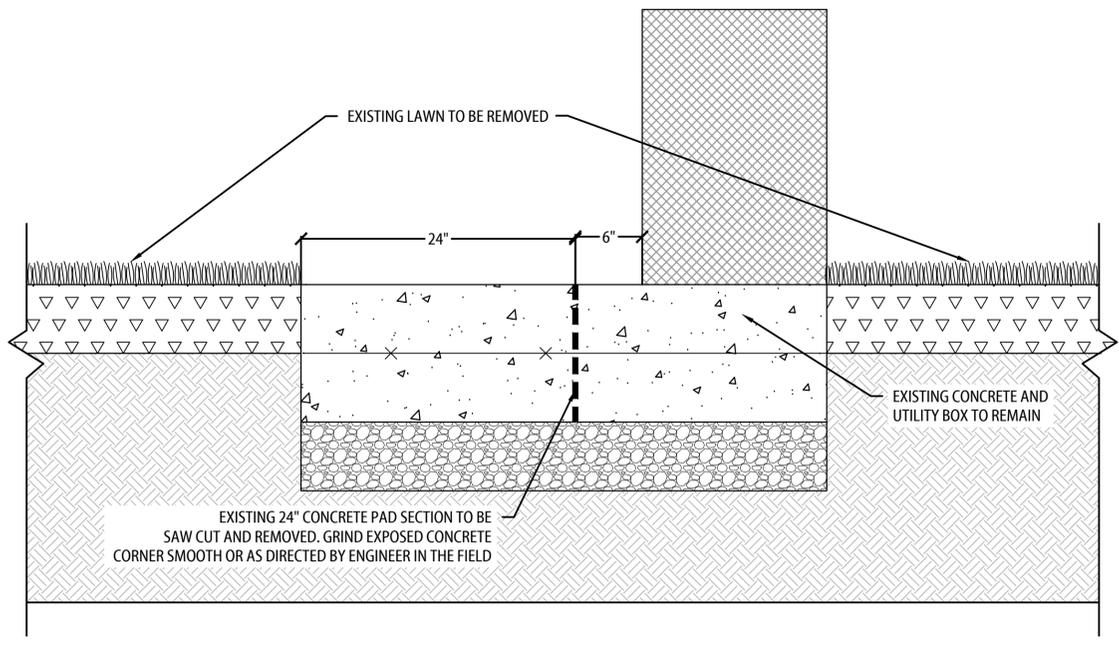
LD-501



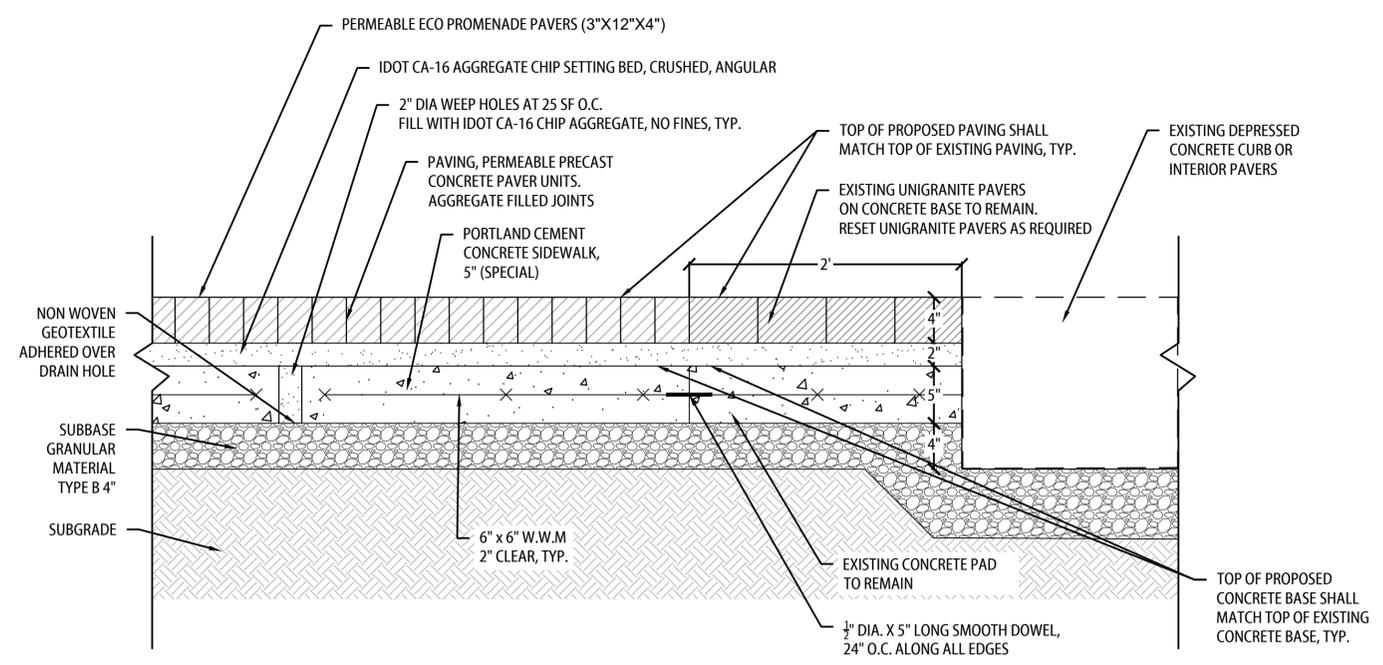
1 EXISTING SECTION AT PERIMETER CONCRETE CURB
NOTE: EXISTING LAWN AND CONCRETE HEADER TO BE REMOVED AND REPLACED WITH PAVING. SEE DETAIL 4, THIS SHEET. NTS



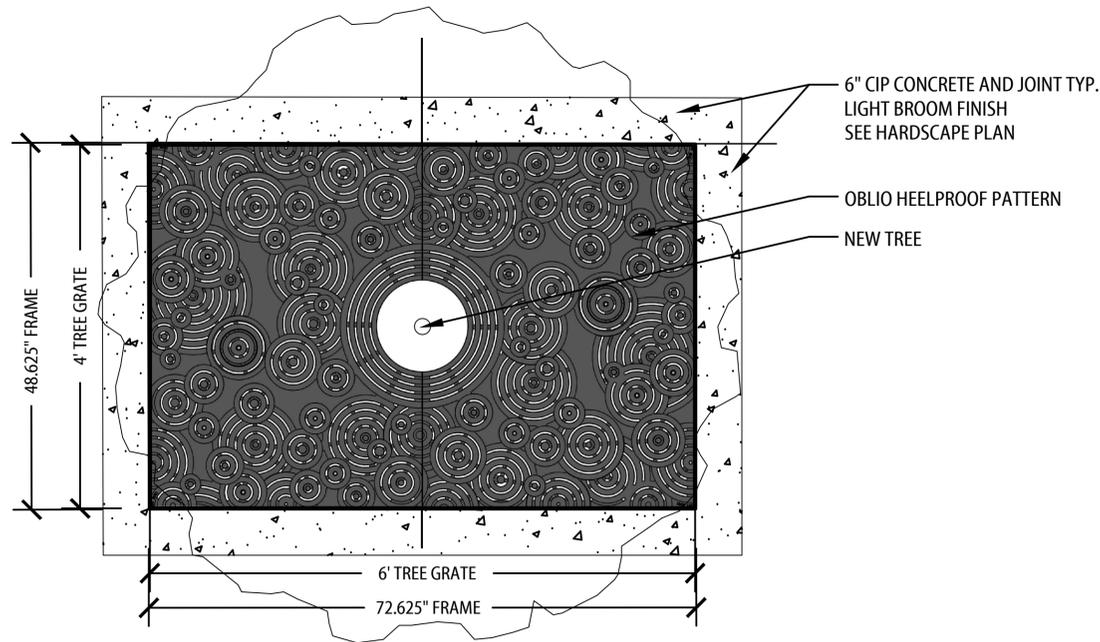
2 EXISTING SECTION AT INTERIOR PAVING
NOTE: EXISTING LAWN, CONCRETE HEADER AND INTERIOR UNIGRANITE PAVERS TO BE REMOVED AND REPLACED WITH PAVING. SEE DETAIL 4, THIS SHEET. NTS



3 EXISTING SECTION AT UTILITY BOX
NOTE: EXISTING LAWN AND CONCRETE SECTION TO BE REMOVED AND REPLACED WITH PAVING. SEE DETAIL 4, THIS SHEET. NTS



4 PROPOSED SECTION AT PERIMETER CONCRETE CURB AND INTERIOR PAVERS
NTS



TREE GRATE

MANUFACTURER: IRON AGE DESIGNS OR APPROVED EQUAL
 MODEL: OBLIO, HEEL PROOF
 SIZE: 4' x 6'
 MATERIAL: IRON
 FINISH: RAW

TREE GRATE FRAME

MANUFACTURER: IRON AGE DESIGNS OR APPROVED EQUAL
 MODEL: "E" EMBED
 SIZE: 4' x 6'
 MATERIAL: IRON
 FINISH: RAW
 SETTING: CIP CONCRETE

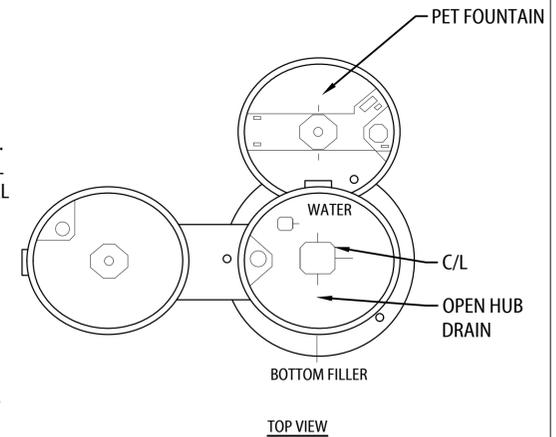
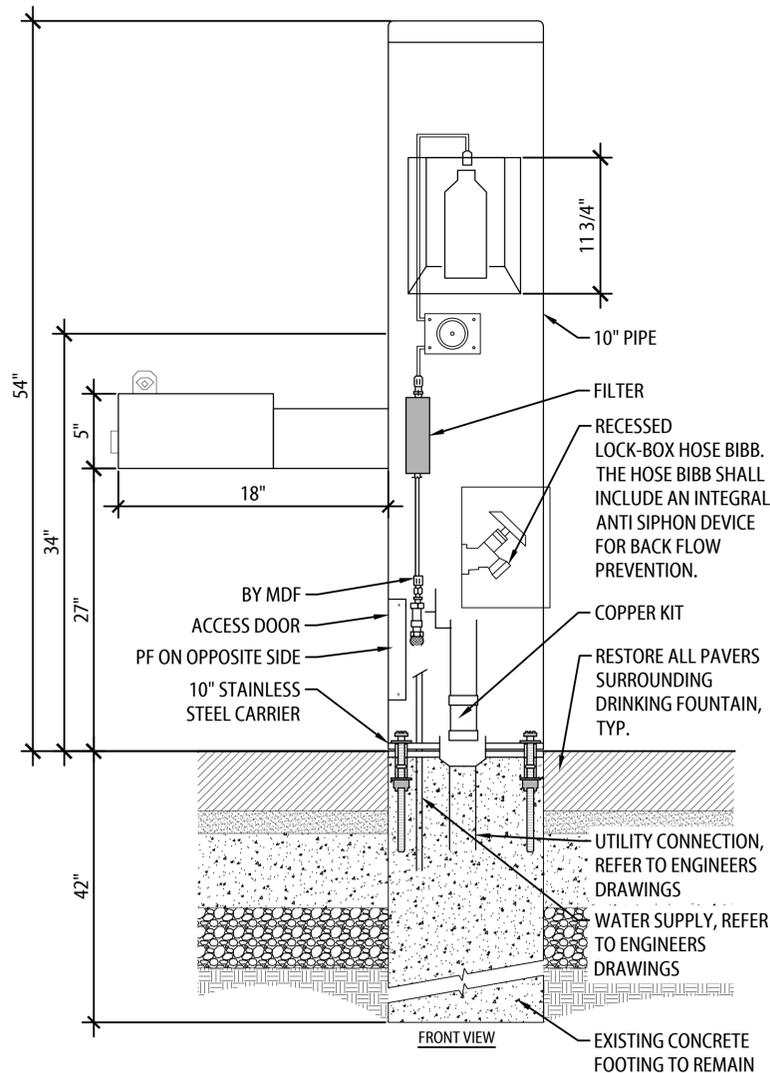
NOTES:

1. FITS FRAME BY MANUFACTURER
2. HEELPROOF: NO OPENINGS GREATER THAN 1/4".
3. WEIGHT APPROX. 375LB
4. DUE TO CASTING INCONSISTENCIES ALL DIMENSIONS ARE NOMINAL
5. CONTRACTOR SHALL COORDINATE TREE FRAME INSTALLATION WITH CONCRETE INSTALLATION

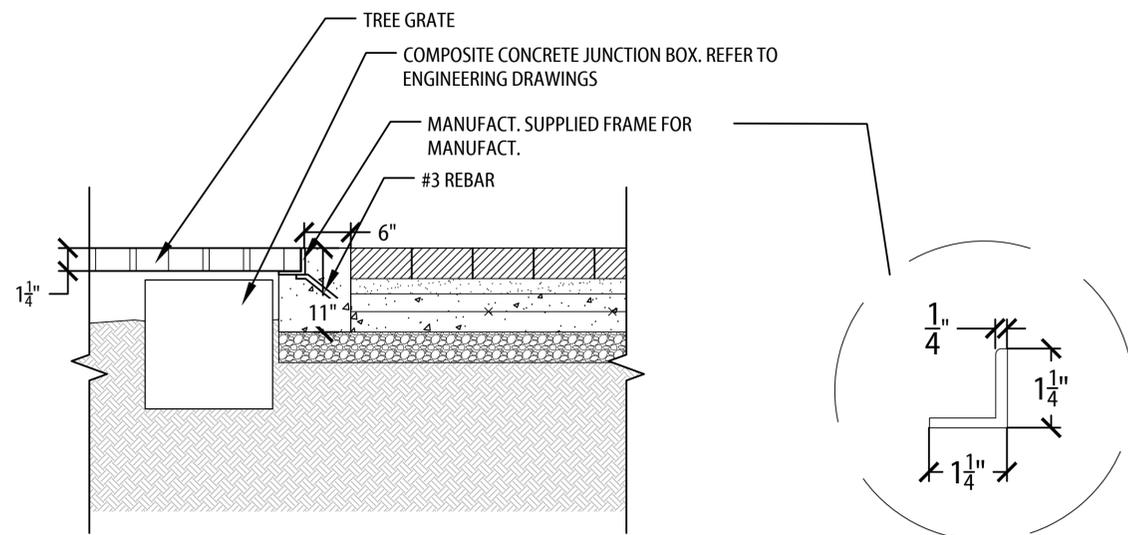
EXISTING DRINKING FOUNTAIN TO BE RESET IN ITS CURRENT LOCATION. RESTORE PAVING AROUND FOUNTAIN BASE AS REQUIRED.

MANUFACTURER:
 MOST DEPENDABLE FOUNTAINS, INC.
 5705 COMMANDER DR. P.O. BOX 587
 ARLINGTON, TN 38002
 P(901) 867-0039
 WEBSITE: WWW.MOSTDEPENDABLE.COM
 *OR APPROVED EQUAL

SPECIFICATION:
 PRODUCT: 10155SM
 SIZE: 10" DIA. x 54" HT.
 MATERIAL: STAINLESS STEEL
 FINISH: BLACK



1 TREE GRATES AND FRAMES (TREE GRATE CIP CONCRETE DETAIL) NTS



2 TREE GRATES AND FRAMES (TREE GRATE CIP CONCRETE DETAIL) NTS

3 RESET EXISTING DRINKING FOUNTAIN NTS
 EXISTING DRINKING FOUNTAIN TO BE RESET IN ITS CURRENT LOCATION. RESTORE PAVING AROUND FOUNTAIN BASE AS REQUIRED.



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 CITY OF EVANSTON
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 FOUNTAIN SQUARE
 SOUTH PLAZA IMPROVEMENTS
 project address
 FOUNTAIN SQUARE SOUTH PLAZA
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 EVANSTON, IL 60201



owner / developer
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 EVANSTON, IL 60201
 p 847.448.4311
 landscape architect of record
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 engineer
 CHRISTOPHER BURKE ENGINEERING
 9575 WEST HIGGINS ROAD SUITE 600
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 p 847.868.2980

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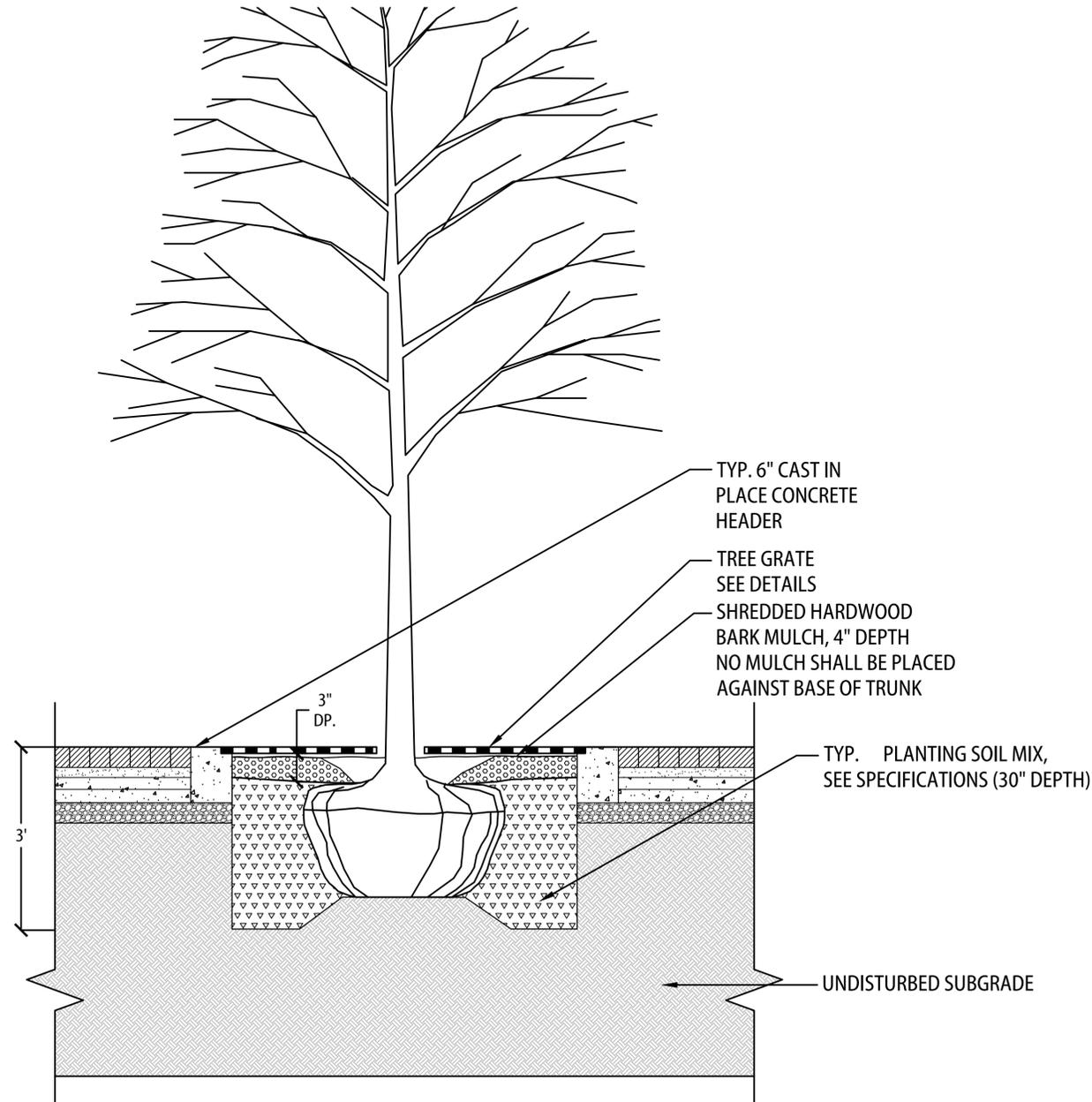
FURNISHINGS DETAILS

sheet number

LD-502

PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING
TREES					
ULM	3	Ulmus x 'Frontier' / Frontier Elm	3" Cal.	B&B	AS SHOWN



1 TREE PLANTING IN TREE GRATE

NTS

PLANTING GENERAL NOTES:

1. PLANT MATERIAL SIZES SHOWN ON PLANT SCHEDULE ARE MINIMUM ACCEPTABLE SIZES. ALL PLANT MATERIAL SHALL BE OF SPECIMEN QUALITY. NO 'PARK GRADE' MATERIAL WILL BE ACCEPTED.
2. ALL PLANT MATERIAL SHALL BE OBTAINED FROM AN APPROVED NORTHERN ILLINOIS NURSERY WITH HEAVY CLAY SOILS.
3. ALL PLANT MATERIAL SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND APPROVED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE, INC. (ANSI)
4. IF SPECIFIED SPECIES AND/ OR QUALITY OF PLANTS ARE NOT AVAILABLE AT THE TIME OF ORDERING, THE LANDSCAPE ARCHITECT, AT HIS/HER DISCRETION, MAY SUBSTITUTE SIMILAR PLANTS WITH THE SAME WHOLESALE VALUE.
5. ALL PLANTS TO BE BALLED IN BURLAP (B&B) OR CONTAINER GROWN (CG) AS SPECIFIED IN PLANT SCHEDULE. ALL NYLON/PLASTIC/BURLAP ROOT WRAPPING MATERIAL AND METAL WIRE BASKETS SHALL BE REMOVED.
6. SOIL TO BE USED FOR THE PLANTING MEDIUM FOR THE PROJECT SHALL BE FERTILE, WELL-DRAINED, OF UNIFORM QUALITY, FREE OF STONES OVER 1" IN DIAMETER, STICKS, OILS, CHEMICALS, PLASTER, CONCRETE AND OTHER DELETERIOUS MATERIAL.
7. THE OWNER AND/OR LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL IN POOR CONDITION/FORM OR NOT INSTALLED ACCORDING TO 'BEST MANAGEMENT PRACTICE' TECHNIQUES.
8. THE LANDSCAPE CONTRACTOR SHALL PREPARE PLANTING BEDS BY ADDING SOIL AMENDMENTS TO TOPSOIL MIX IN THE FOLLOWING QUANTITIES: TOPSOIL MIX FOR TREES SHALL BE THREE (3) PARTS TOPSOIL, ONE (1) PART PEAT, AND ONE (1) PART SAND.
9. ALL WOODY PLANTINGS TO RECEIVE 3" OF SHREDDED HARDWOOD MULCH.
10. CONTRACTOR SHALL WATER PLANTS IMMEDIATELY AFTER PLANTING. FLOODING PLANTS TWICE DURING FIRST TWENTY-FOUR HOURS AFTER PLANTING.
11. GUARANTEE SPECIFICATIONS ARE AS FOLLOWS: THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A BONDED WRITTEN ONE-YEAR WARRANTY AGREEMENT BEGINNING ON THE DATE OF FINAL PROJECT COMPLETION. THIS AGREEMENT SHALL PROVIDE FOR THE REPLACEMENT OF DEAD OR DYING PLANT MATERIAL. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A TYPEWRITTEN LIST OF SPECIFIC MAINTENANCE INSTRUCTIONS FOR EACH TYPE OF PLANT INSTALLED WITH THE WRITTEN AGREEMENT AND BOND.

MANUFACTURER:	SPECIFICATION:
FERMOB	PRODUCT: BISTRO COLLECTION
62 INDUSTRIAL PARK ROAD	CHAIR SIZE: 14.96"w x 16.54"d x 32.28 ht.
DAWSONVILLE, GA 30534	TABLE SIZE: 24" & 30" x 29" ht.
P(678)267-2025	MATERIAL: STEEL
WEBSITE: WWW.FERMOBUSA.COM	FINISH: POWDERCOATED BLACK
*OR APPROVED EQUAL	QUANTITY: 8 TABLES AND 24 CHAIRS



2 MOVABLE TABLES AND CHAIRS

NTS



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p 847.448.4311
landscape architect of record
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engineer
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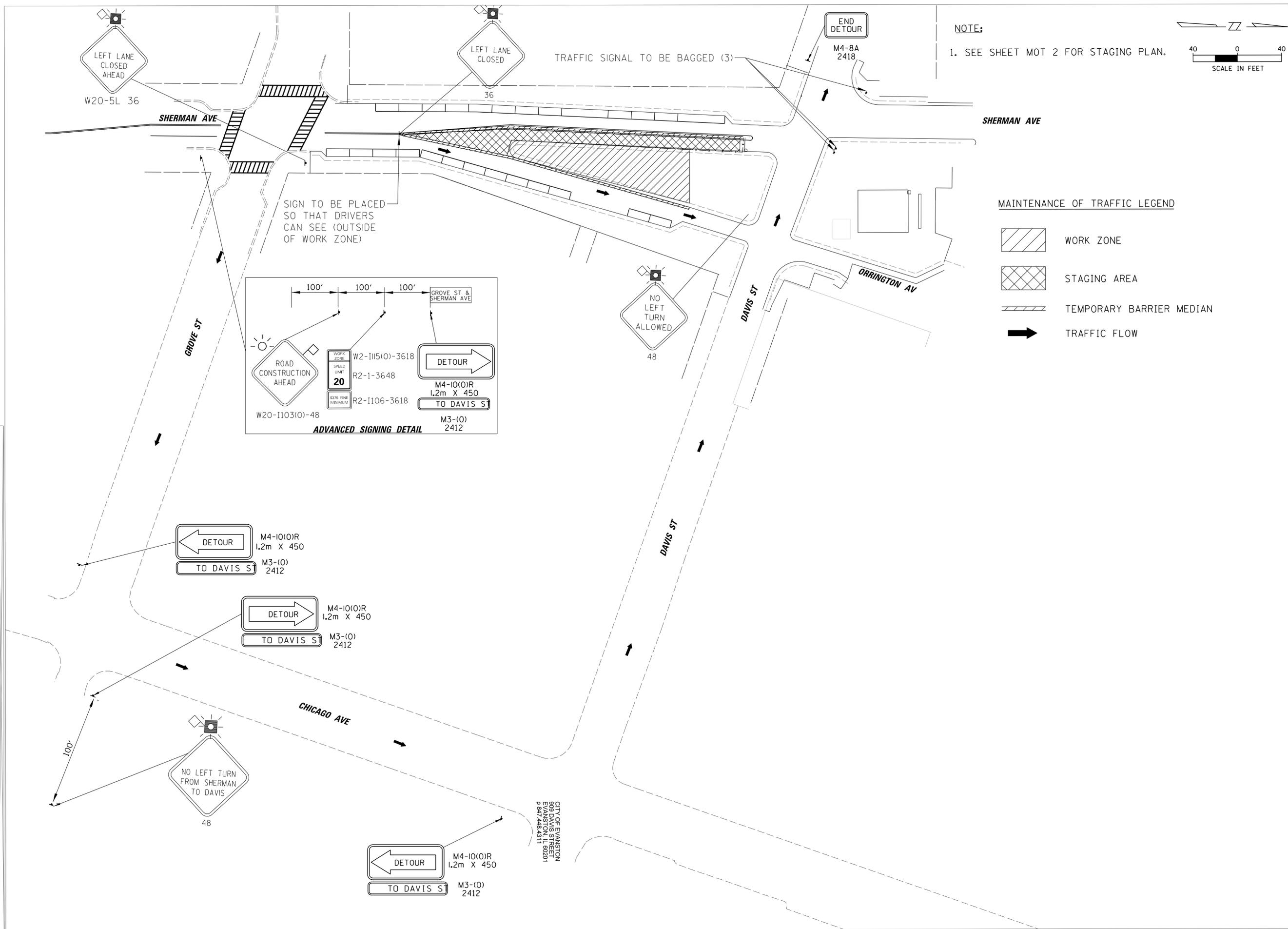
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issue date August 5, 2025

PLANTING DETAILS

sheet number
LD-503



627 Grove Street, Evanston, Illinois 60201
Tel 847.869.2015 Fax 847.869.2059

client / owner
CITY OF EVANSTON
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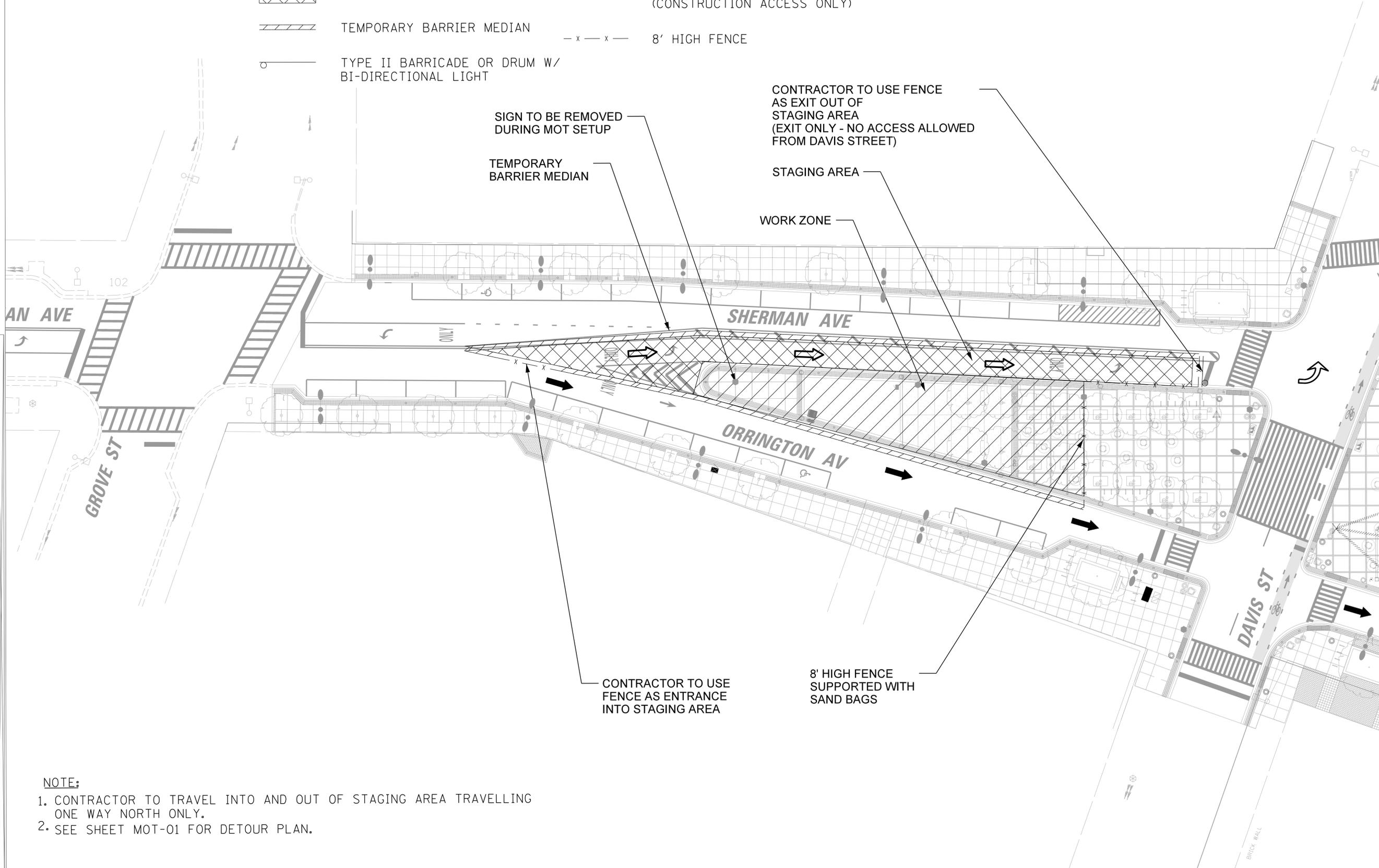
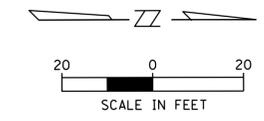
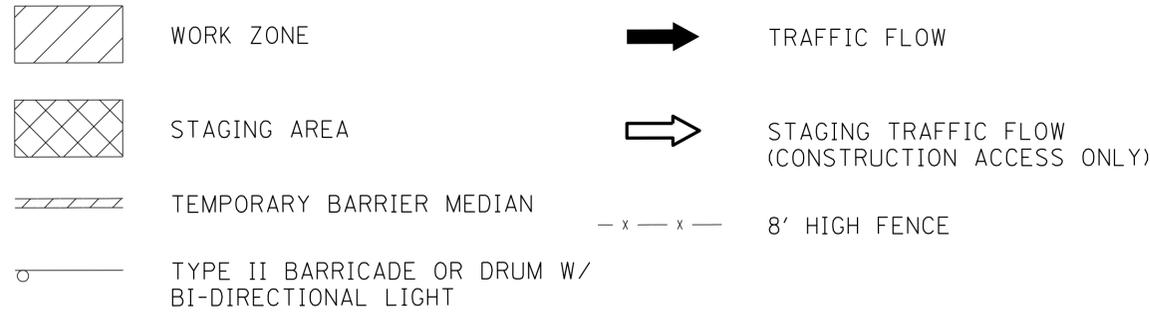
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issue date 08.05.25

sheet name
Maintenance of
Traffic and
Detour plan
sheet number

MOT-01

MAINTENANCE OF TRAFFIC LEGEND



- NOTE:**
- CONTRACTOR TO TRAVEL INTO AND OUT OF STAGING AREA TRAVELLING ONE WAY NORTH ONLY.
 - SEE SHEET MOT-01 FOR DETOUR PLAN.



627 Grove Street, Evanston, Illinois 60201
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△	08/05/25	BID SUBMITTAL
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pm MLM cad MLM

issue date 08.05.25

sheet name
Maintenance of
Traffic and
Staging Plan
sheet number

MOT-02

SAN 713
RIM=600.61
INV E 12" VCP=594.86
INV W 6" VCP=594.78
INV W 12" VCP=594.96

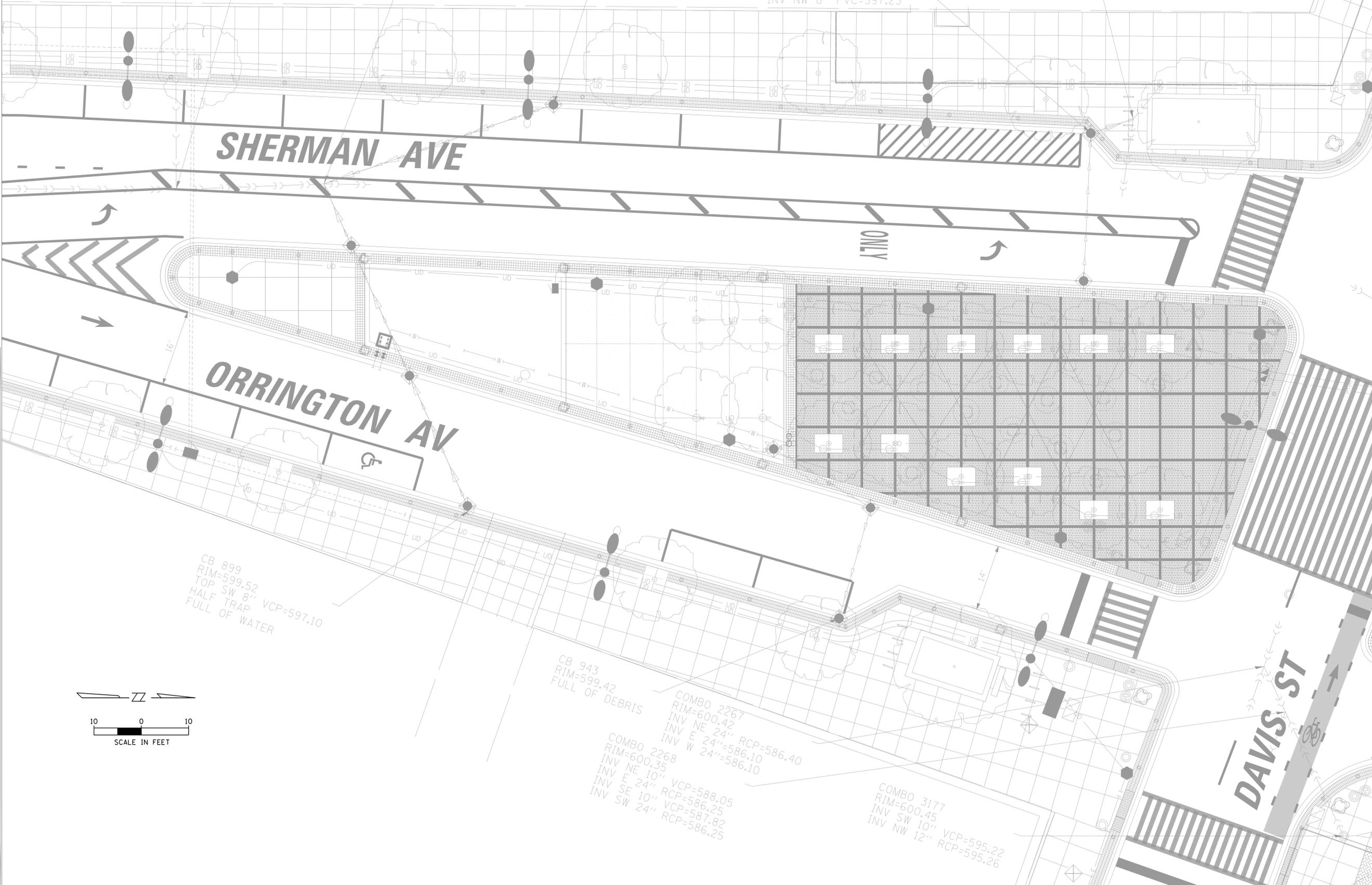
COMBO 769
RIM=600.37
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INV S 12" VCP=590.84
INV W 12" VCP=591.45

COMBO 771
RIM=600.40
INV N 12" VCP=590.31
INV NE 8" VCP=591.56
INV S 12" VCP=590.35
INV NW 6" VCP=592.80

CB 796
RIM=599.78
INV SE 8" PVC=596.24
SEVERE OFFSET

INL 1037
RIM=599.68
INV NW 8" PVC=597.23

COMBO 1036
RIM=600.40
INV E 8" PVC=594.65
BLIND CONNECT
INV SE 8" PVC=597.08
INV NW 8" DIP=596.76



SHERMAN AVE

ORRINGTON AV

ONLY

DAVIS ST

CB 899
RIM=599.52
TOP SW 8" VCP=597.10
HALF TRAP
FULL OF WATER

CB 943
RIM=599.42
FULL OF DEBRIS

COMBO 2267
RIM=600.42
INV NE 24" RCP=586.40
INV E 24" =586.10
INV W 24" =586.10

COMBO 2268
RIM=600.35
INV NE 10" VCP=588.05
INV E 24" RCP=586.25
INV SE 10" VCP=587.82
INV SW 24" RCP=586.25

COMBO 3177
RIM=600.45
INV SW 10" VCP=595.22
INV NW 12" RCP=595.26



627 Grove Street, Evanston, Illinois, 60201
Tel 847.869.2015 Fax 847.869.2059

client / owner
CITY OF EVANSTON

project name
**FOUNTAIN SQUARE
SOUTH PLAZA IMPROVEMENTS**

project address
**FOUNTAIN SQUARE SOUTH PLAZA
700 DAVIS ST
EVANSTON, IL 60201**



owner / developer
**CITY OF EVANSTON
909 DAVIS STREET
EVANSTON, IL 60201
p 847.448.4311**

landscape architect of record
**TESKA ASSOCIATES, INC.
627 GROVE STREET
EVANSTON, IL 60201
p 847.869.2015 f 847.869.2059**

engineer
**CHRISTOPHER BURKE ENGINEERING
9575 WEST HIGGINS ROAD SUITE 600
ROSEMONT, IL 60018
p 847.869.2015 f 847.869.2059**

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pm MLM cad MLM

issue date 08.05.25

sheet name
**Existing
Conditions
Plan**

sheet number

EXC-01



627 Grove Street, Evanston, Illinois, 60201
Tel 847.869.2015 Fax 847.869.2059

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seal / signature



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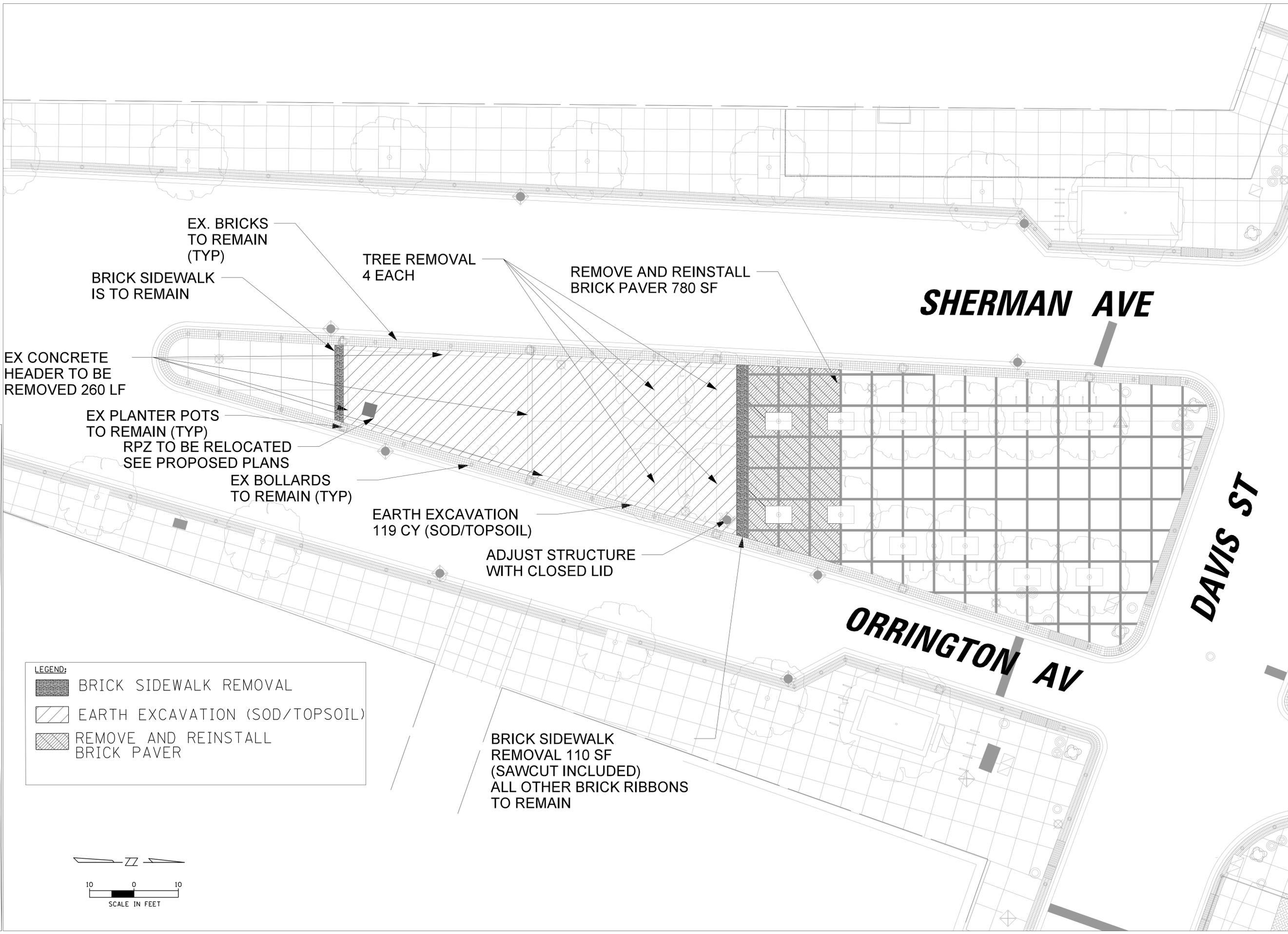
pm MLM cad MLM

issue date 08.05.25

sheet name
Removal
Plan

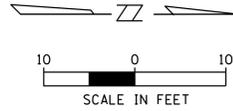
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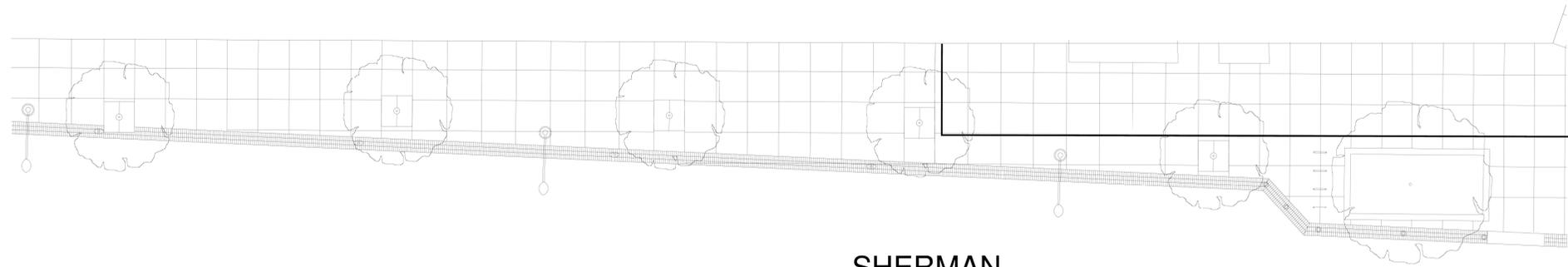
REM-01



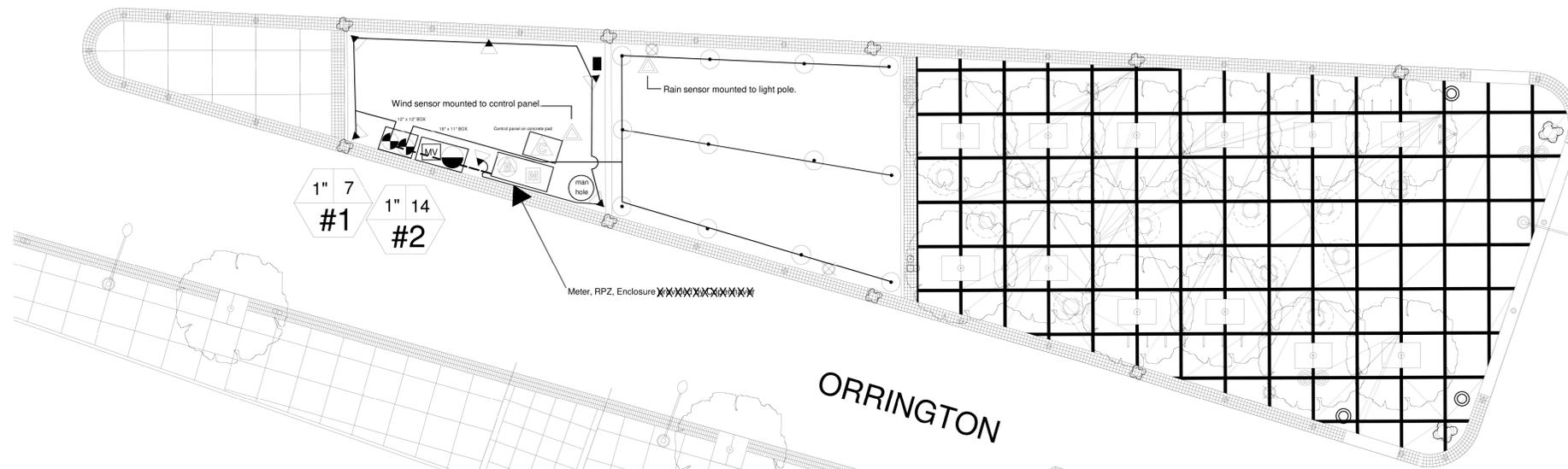
LEGEND:

- BRICK SIDEWALK REMOVAL
- EARTH EXCAVATION (SOD/TOPSOIL)
- REMOVE AND REINSTALL BRICK PAVER

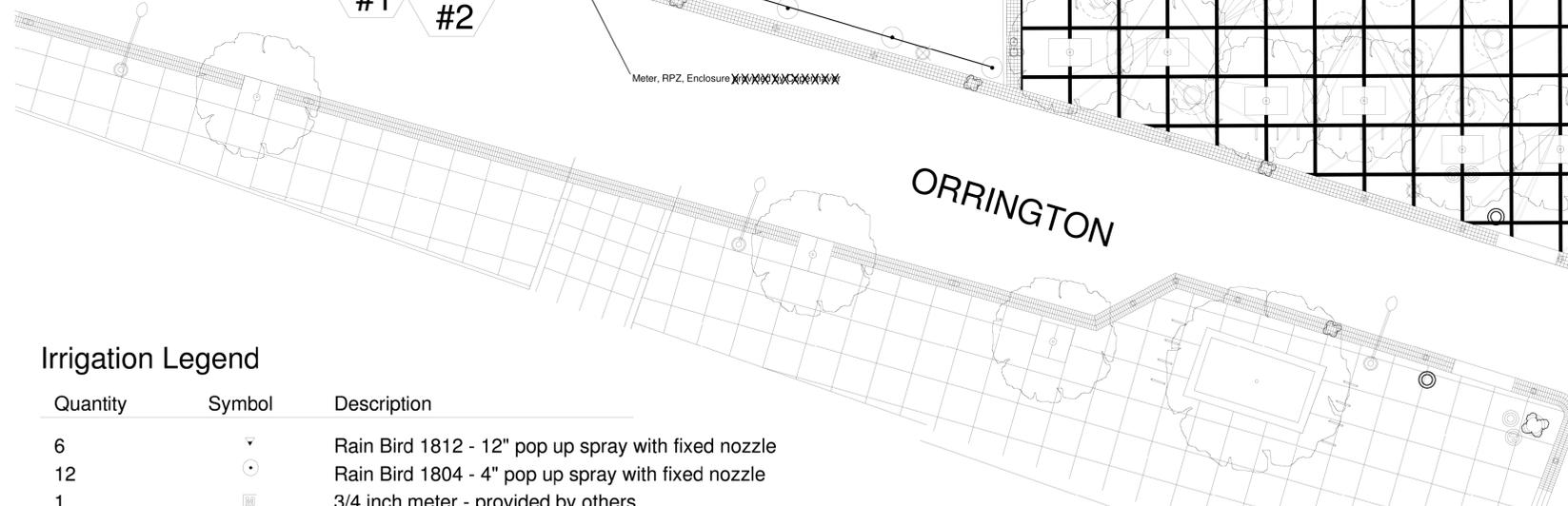




SHERMAN



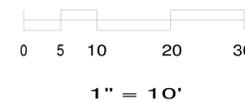
ORRINGTON



DAVIS

Irrigation Legend

Quantity	Symbol	Description
6		Rain Bird 1812 - 12" pop up spray with fixed nozzle
12		Rain Bird 1804 - 4" pop up spray with fixed nozzle
1		3/4 inch meter - provided by others
1		1" RPZ Backflow Preventer - provided by others
2		Rain Bird PGA Electric Control Valve
1		Rain Bird ESP-LXME - Metal Pedestal
1		Rain Bird 1" Quick Coupler Valve
2		Rain Bird Wind & Rain Sensors
10'		PVC Class 160 1" Mainline
300'		Poly HD80 1" Lateral Line
1		Rain Bird 1" Master Valve - PGA



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- NOTE:**
- EXISTING IRRIGATION AS-BUILT PLAN. IRRIGATION SYSTEM TO BE REMOVED.

J.M. Irrigation
25850 W. Hwy 60
Volo, IL 60030
(847) 546-0165
jmirrigation.com

SHEET DESCRIPTION:
IRRIGATION SHOP DRAWING

Project: Fountain Square Renovations
Fountain Square Plaza
700 Davis Street
Evanston, IL 60201

REVISIONS: 6-15-17
8-15-17
10-27-17

DATE: 4-5-17
JOB #:
DRAWN BY: PKK
CHECKED BY: HWK

SCALE: 1" = 10'

SHEET: IR-SD



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sheet name
Irrigation System
Removal
Plan
sheet number

IRR-01

MECHANICAL/ELECTRICAL GENERAL NOTES

- THE CITY SHALL BE NOTIFIED IN WRITING AT LEAST (3) FULL BUSINESS DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- UTILITIES EXIST IN THE AREA WHERE WORK IS PROPOSED. ACTUAL DEPTH OF UTILITIES ARE UNKNOWN. SHOULD ANY GIVEN UTILITY INTERFERE WITH THE PROPOSED WORK, PIPE ROUTING, ETC. THE CONTRACTOR SHALL, AT NO EXTRA COST TO THE CITY, RESOLVE ANY AND ALL INTERFERENCE PROBLEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK AS REQUIRED.
- ALL UTILITY COMPANIES SHALL BE CONTACTED AND THEIR FACILITIES SHALL BE LOCATED PRIOR TO ANY WORK IN ANY EASEMENT, RIGHT-OF-WAY, OR SUSPECTED UTILITY LOCATION.
- BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LINE AND GRADES SHOWN ON THE CONTRACT DRAWINGS. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE CITY PRIOR TO PERFORMING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK AS REQUIRED.
- ALL ELEVATIONS SHOWN ON THE CONTRACT DRAWINGS ARE BASED ON ESTABLISHED DATUM AT EACH SITE UNLESS OTHERWISE SPECIFIED.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS"
 - CITY AND CURRENT MUNICIPAL CODES
 - NATIONAL ELECTRIC CODE

WHERE CONTRADICTIONS OCCUR BETWEEN THE ABOVE LISTED SPECIFICATION, CODES AND/OR CONTRACT DOCUMENTS, THE MORE STRINGENT SHALL APPLY.

- THE CONTRACT DOCUMENTS ARE NOT INTENDED TO SHOW ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DOCUMENTS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DOCUMENTS, AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DOCUMENTS BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE CITY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND TO APPRAISE HIMSELF/HERSELF OF ALL EXISTING CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS THE TOTAL COST FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED DUE TO THE CONTRACTOR'S FAILURE TO UNDERSTAND THE SCOPE OF WORK.
- IT SHALL BE NECESSARY TO PERFORM WORK ADJACENT TO EXISTING UTILITIES. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR EXISTING UTILITIES IN CONFORMANCE WITH THE AFFECTED UTILITY COMPANY'S REQUIREMENTS AS MAY BE REQUIRED TO PERFORM THE WORK OF THIS CONTRACT.
- THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE CITY. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
- ORIENTATION OF PIPING, CONDUITS, EQUIPMENT, ETC. MAY VARY. CONTRACTOR TO COORDINATE SAME WITH THE CITY.
- ANY AND ALL DEWATERING REQUIRED TO KEEP EXCAVATIONS DRY AS WELL AS BRACING AND SHORING EXCAVATED WALLS DURING UTILITY OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COMPLIANCE WITH THE ABOVE SHALL BE PAID FOR UNDER THE DEWATERING PAY ITEM.
- SOIL EROSION PROTECTION SHALL BE IN ACCORDANCE WITH IEPA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. ALL DISTURBED AREAS SHALL BE FINE GRADED, TOP-SOIL RESTORED (MIN. 4 INCHES) AND SEEDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS AND TECHNIQUES OF CONSTRUCTION. THE CITY'S OR ENGINEER'S REVIEW OF SAME DOES NOT RELIEVE CONTRACTOR OF THIS RESPONSIBILITY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAFETY AND JOB SITE SAFETY.
- LIMITS OF CONSTRUCTION SHALL BE SUBJECT TO CITY'S APPROVAL AND SHALL NOT IMPACT EXISTING ROADWAY PAVEMENT EXCEPT WHERE IMPROVEMENTS ARE SHOWN BY DRAWINGS. LIMITS OF CONSTRUCTION (OTHER THAN ACROSS ROADWAY PAVEMENT) SHALL BE FENCED OFF WITH 8" CHAIN LINK FENCE WITH DRIVEN POSTS, SUBJECT TO THE CITY'S APPROVAL.
- ANY AND ALL BY-PASS PUMPING AS MAY BE REQUIRED FOR CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EQUIPMENT AND MATERIALS PROVIDED SHALL COMPLY WITH THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL COORDINATE WITH THE CITY AS REQUIRED PRIOR TO PERFORMING ANY WORK RELATED TO THIS CONTRACT.
- ALL WATER REQUIRED BY THE CONTRACTOR FOR THE PROJECT CONSTRUCTION, FILLING, TESTING AND LANDSCAPING SHALL BE COORDINATED WITH THE CITY. WATER USAGE AND METERING EQUIPMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT (REFER TO SECTION 107.18 OF THE SPECIAL PROVISIONS).

SHOP DRAWING REVIEW NOTES

- THE CONTRACTOR SHALL SUBMIT FOR REVIEW DIMENSIONED OUTLINE SHOP DRAWINGS SHOWING THE GENERAL ARRANGEMENT OF THE EQUIPMENT TO BE FURNISHED, AND ITEMS TO BE INSTALLED. AS A MINIMUM FOUR COPIES OF ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW.
- BEFORE PROCEEDING WITH MANUFACTURE OF THE EQUIPMENT, THE CONTRACTOR SHALL SUBMIT FOR REVIEW GENERAL ASSEMBLY SHOP DRAWINGS, SUBASSEMBLY SHOP DRAWINGS, DETAIL SHOP DRAWINGS, CALCULATIONS, DESIGN DATA, CATALOG CUTS AND SIMILAR ENGINEERING DOCUMENTS REQUIRED TO DEMONSTRATE FULLY THAT ALL PARTS WILL CONFORM TO THE PROVISIONS AND INTENT OF THE DRAWINGS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF THEIR INSTALLATION, OPERATION, AND MAINTENANCE. THESE SHOP DRAWINGS SHALL SHOW ALL NECESSARY DIMENSIONS AND FABRICATION DETAILS, INCLUDING THE DESIGN OF WELDED AND BOLTED JOINT CONNECTIONS, TOLERANCES ON FITS AND CLEARANCES, AND ALL FIELD JOINTS AND SUBASSEMBLIES IN WHICH THE CONTRACTOR PROPOSES TO SHIP THE EQUIPMENT. DESIGN CRITERIA, CALCULATIONS, AND DETAILED SPECIFICATIONS, SHALL BE SUBMITTED FOR THE DESIGN OF ALL MAJOR COMPONENTS AND FOR OTHER FEATURES OR DETAILS WHEN REQUESTED BY THE CITY.
- ALL SUBMITTALS BY THE CONTRACTOR SHALL BE CERTIFIED BY THE RESPECTIVE EQUIPMENT MANUFACTURER.
- THE CONTRACTOR SHALL SUBMIT COMPLETE FULL-LINE WIRING DIAGRAMS COVERING ALL EQUIPMENT FURNISHED. THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS OF SWITCH DEVELOPMENTS FOR ALL INSTRUMENT AND CONTROL SWITCHES AND INTERNAL CONNECTION DIAGRAMS FOR ALL INSTRUMENTS, RELAYS, REGULATORS, ETC.
- SHOP DRAWINGS SHALL INCLUDE ELECTRICAL DEVICES, ACCESSORIES AND WIRING FURNISHED AS COMPONENT PARTS OF MECHANICAL EQUIPMENT AND SHALL SHOW ARRANGEMENT AND DIMENSIONS.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL WORK AREAS, INDICATING SOLUTIONS TO SPACE PROBLEMS AND COORDINATION WITH REQUIREMENTS OF EXISTING CONDITIONS.
- PRIOR TO FINAL INSPECTION PROVIDE THREE DUPLICATE LOOSE LEAF THREE RING BOUND COPIES AND ONE PDF COPY OF OPERATIONS AND MAINTENANCE MANUALS IN DURABLE COVERS OF THE FOLLOWING ITEMS ORGANIZED AND TAB INDEXED IN ACCORDANCE WITH THE SPECIFICATIONS FORMAT AS FOLLOWS:
 - MAINTENANCE AND OPERATING INSTRUCTIONS AS PUBLISHED BY THE MATERIAL SUPPLIERS AND/OR EQUIPMENT MANUFACTURERS.
 - SPECIFIED EQUIPMENT GUARANTEES AND WARRANTIES.
 - EMERGENCY INSTRUCTIONS.
 - WIRING DIAGRAMS.
 - SHOP DRAWINGS AND PRODUCT DATA.
 - INSPECTION PROCEDURES AND SERVICE RECOMMENDATIONS.
 - ASSEMBLY DRAWINGS AND PARTS LISTS WITH IDENTIFICATION SYMBOLS OR PART NUMBERS FOR ALL REPLACEABLE PARTS AND ASSEMBLIES.
 - TEST REPORTS.

RECORD DRAWINGS & UTILITY NOTES

- CERTAIN INFORMATION SHOWN ON THESE DRAWINGS HAS BEEN OBTAINED FROM DRAWINGS OF RECORD. CONTRACTOR SHALL VERIFY SUCH INFORMATION PRIOR TO ACTUAL START OF WORK. WHERE DISCREPANCIES ARE DISCOVERED THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY'S REPRESENTATIVE. FAILURE BY THE CONTRACTOR TO IMMEDIATELY NOTIFY THE CITY'S REPRESENTATIVE OF SUCH DISCREPANCIES SHALL RESULT IN THE CONTRACTOR BEARING THE FULL BURDEN OF ALL RISKS/COSTS ATTRIBUTED TO THE DISCOVERED DISCREPANCY.
- EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHT-OF-WAYS ARE SHOWN ON THE DRAWINGS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS.
- THE EXISTING BURIED UTILITY LINES, PUBLIC AND PRIVATE, ARE SHOWN ON THE DRAWINGS ACCORDING TO INFORMATION AVAILABLE FROM RECORDS. THE LOCATION AND DEPTH OF EXISTING BURIED UTILITY LINES SHOWN ON THE DRAWINGS IS THEREFORE APPROXIMATE AND MAY VARY FROM FIELD CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND DEPTH OF BURIED UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES TO MARK THE LOCATION OF BURIED UTILITIES IN THE FIELD BEFORE BEGINNING EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES AND SHALL REPAIR ANY UTILITY LINES DAMAGED AT HIS/HER OWN EXPENSE.
- BEFORE INSTALLING ANY BURIED PIPE, THE CONTRACTOR SHALL CAREFULLY UNCOVER ALL EXISTING BURIED UTILITY LINES WHICH CROSS NEW CONSTRUCTION SO HE/SHE CAN DETERMINE THEIR EXACT LOCATION AND DEPTH. IF EXISTING BURIED UTILITY LINES ARE ENCOUNTERED THAT CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY'S REPRESENTATIVE SO THAT THE CONFLICT MAY BE RESOLVED.

SUBSURFACE OPERATION PLAN

- BEFORE COMMENCING ACTIVITY AT THE SITE THE CONTRACTOR SHALL PREPARE AN "OPERATION PLAN" DRAWING SHOWING THE SEQUENCE OF OPERATION AND TIMING THAT IS PROPOSED FOR THE SUBSURFACE WORK. THIS PLAN DRAWING SHALL BE EXCLUSIVE OF ALL OTHER PLANS AND SCHEDULES REQUIRED UNDER THE CONTRACT. THE PLAN SHALL SHOW IN PLAN AND PROFILE SUPPLEMENTED BY SKETCHES, TEXT AND BAR DIAGRAMS THE EXTENT AND SEQUENCE OF WORK REQUIRED FOR THE SUBSURFACE CONSTRUCTION. THE PLAN SHALL SHOW ALL EXCAVATION, SHEETING, PROTECTION, DEWATERING PROCEDURES, BYPASS PUMPING, UTILITIES SUPPORT, DRAINS AND ALL OTHER FEATURES REQUIRED TO PERFORM THE SUBSURFACE OPERATION. THE PLAN SHALL BE SUBMITTED TO THE CITY'S REPRESENTATIVE FOR REVIEW. INSOFAR AS POSSIBLE ALL INFORMATION SHALL BE SHOWN ON THE PLAN FOR CONVENIENCE OF INTERPRETATION UNDER FIELD CONDITIONS. THE PLAN SHALL BE SEALED BY AN ILLINOIS REGISTERED STRUCTURAL ENGINEER.
- ALL SHEETING/SHORING AND EARTH RETENTION/PROTECTION OF THE EXCAVATIONS AROUND THE PROJECT WORK SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

FINAL ACCEPTANCE AND INSPECTION

- CONTRACTOR SHALL OBTAIN A GENERAL CONTRACTOR'S LICENSE FOR THE CITY. CONTRACTOR SHALL PAY FOR THIS THROUGH THE BUILDING DIVISION. CONTRACTOR SHALL SUBMIT FOR A BUILDING PERMIT. BUILDING PERMIT FEES SHALL BE WAIVED. THREE COPIES OF THE PLANS SETS ARE REQUIRED. CONTRACTOR SHALL FURNISH ALL NECESSARY DOCUMENTS REQUIRED BY THE PERMIT OFFICE. THE PUBLIC WORKS DEPARTMENT WILL NOT FORWARD COPIES.
- WHEN ALL THE WORK AS SHOWN ON THE DRAWINGS AND INCLUDED IN THE SPECIFICATIONS HAS BEEN COMPLETED AND THE EQUIPMENT HAS BEEN INSTALLED, TESTED, PLACED INTO OPERATION, AND SUBSEQUENTLY HAS SATISFACTORILY OPERATED FOR 14 DAYS, A THOROUGH INSPECTION OF THE EQUIPMENT WILL BE MADE BY THE CITY IN THE COMPANY OF THE CONTRACTOR, AND IF THE WORK IS FOUND TO COMPLY WITH THE DRAWINGS AND SPECIFICATIONS, THE WORK WILL BE FORMALLY ACCEPTED AND THE CONTRACTOR SO NOTIFIED AS TO THE FINAL ACCEPTANCE OF THE WORK BY THE CITY. NOTIFICATION OF FINAL ACCEPTANCE WILL BE IN WRITING.
- SHOULD ANY WORK BE FOUND TO BE INADEQUATE, FAULTY, OR OTHERWISE NOT IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT SUCH WORK AT HIS/ HER OWN EXPENSE, PRIOR TO FINAL ACCEPTANCE.
- UPON RECEIVING FINAL PAYMENT, THE PERIOD OF THE WARRANTY OF THE WORK SHALL BE ENFORCED AS STATED WITHIN THE TERMS OF THE CONTRACT BOND.

ELECTRICAL BILL OF MATERIALS

ITEM	DESCRIPTION	UNITS	QUANTITY
	BASE BID		
1	STRING LIGHT/FESTOON POLE WITH MESSENGER WIRE	EACH	3
2	REMOTE MOUNTED DMX COLOR CHANGING CONTROLLER FOR STRING LIGHTING	EACH	1
3	LIGHT POLE FOUNDATIONS	LIN. FT.	24
4	TREE GRATE RECEPTACLE, COMPLETE IN PLACE	EACH	3
5	ELECTRICAL CONNECTIONS TO PROPOSED LIGHTING UNITS	EACH	1
6	ELECTRICAL CONNECTIONS TO EXISTING TREE GRATE RECEPTACLES	EACH	1
7	MAINTENANCE OF EXISTING ELECTRICAL SYSTEMS	L SUM	1
8	COILABLE NON METALLIC CONDUIT - 1 1/4" HDPE SCH 40	LIN. FT.	300
9	ELECTRICAL CABLE IN CONDUIT 1/C #4 XLP-TYPE USE	LIN. FT.	750
10	ELECTRICAL CABLE IN CONDUIT 1/C #8 XLP-TYPE USE	LIN. FT.	600
11	REMOVE EXISTING IRRIGATION SYSTEM	L SUM	1
12	REMOVE EXISTING TREE GRATE RECEPTACLES	EACH	4
13	REMOVE AND REPLACE EXISTING SOUTH PLAZA STRING LIGHTS	L SUM	1
14	HOLIDAY TREE RACEWAY AND JUNCTION BOX	EACH	1

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.



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project address

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700 DAVIS ST
EVANSTON, IL 60201

seal / signature



Anthony J. DeRico

owner / developer

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landscape architect of record

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engineer

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pm GAH cad JAD

issue date 08.05.25

sheet name
Fountain Mechanical &
Electrical General Notes

sheet number

E-01



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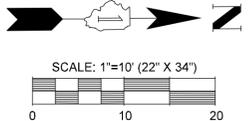
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Anthony J. DeRocco

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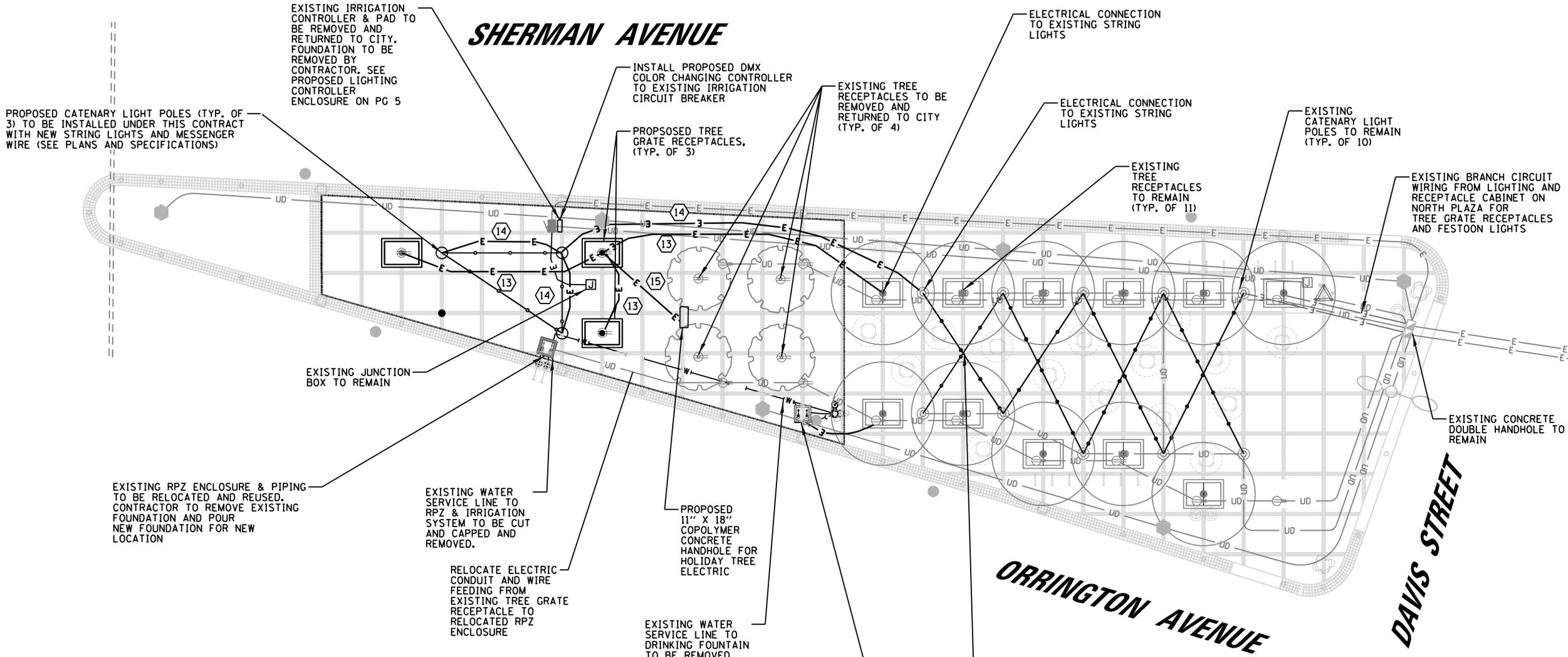
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sheet name
Proposed Mechanical & Electrical General Notes

sheet number
E-03



LEGEND

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-

PROPOSED CONDUIT AND CONDUCTOR SCHEDULE	
ID	DESCRIPTION
(13)	(TREE GRATE RECEPTACLES) 2/C #4, 1/C #4 NEUTRAL AND 1/C #8 GROUND XLP TYPE USE CABLE IN 1 1/4\"/>
(14)	(STRING LIGHT POLES) 1/C #8, 1/C #8 NEUTRAL AND 1/C #8 GROUND XLP TYPE USE CABLE IN 1 1/4\"/>
(15)	2\"/>

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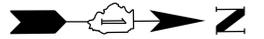


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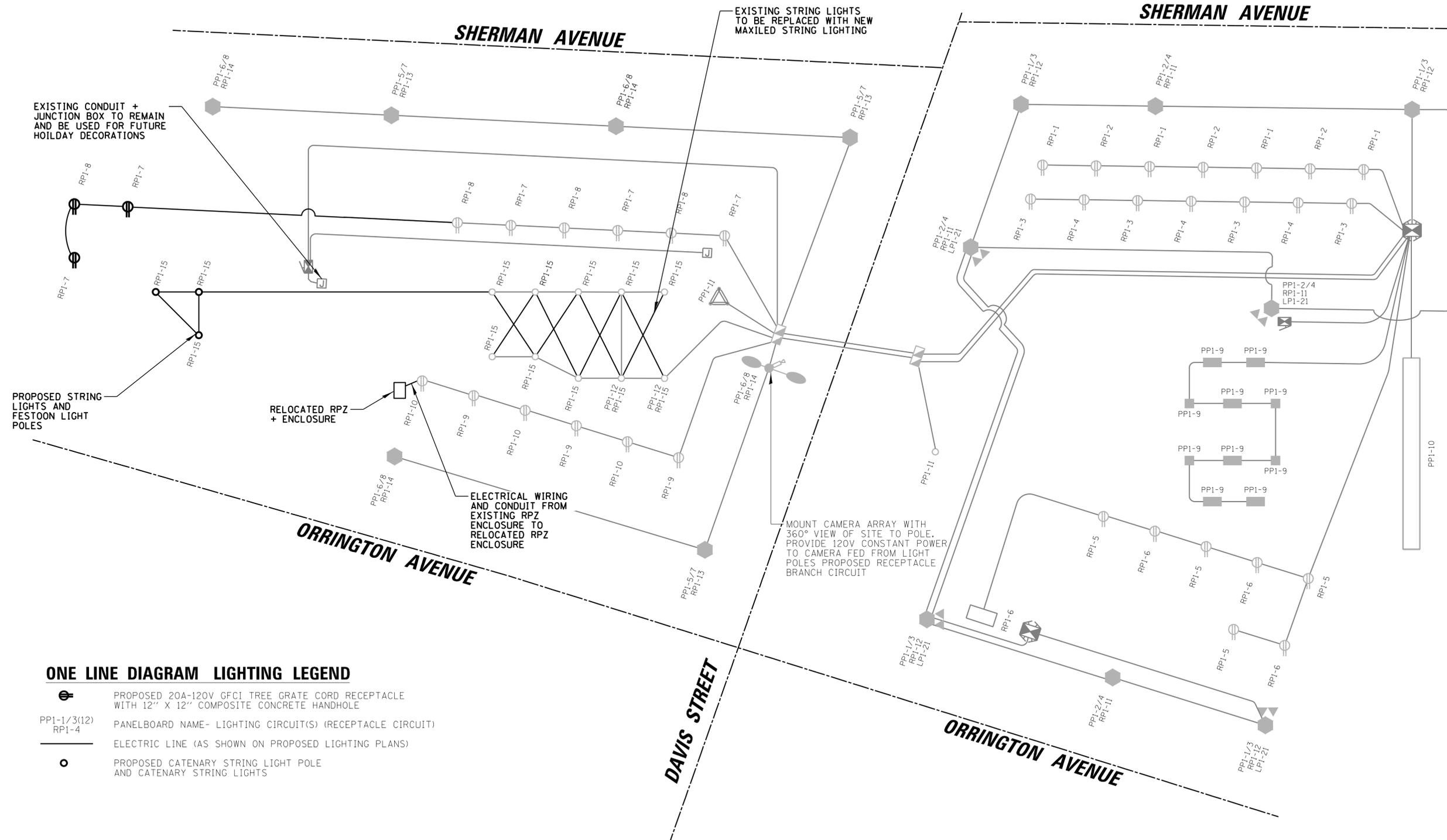
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sheet name
One Line Diagram for
North and South Plaza

sheet number

E-04



ONE LINE DIAGRAM LIGHTING LEGEND

- PROPOSED 20A-120V GFCI TREE GRATE CORD RECEPTACLE WITH 12" X 12" COMPOSITE CONCRETE HANDHOLE
- PANELBOARD NAME- LIGHTING CIRCUIT(S) (RECEPTACLE CIRCUIT)
- ELECTRIC LINE (AS SHOWN ON PROPOSED LIGHTING PLANS)
- PROPOSED CATENARY STRING LIGHT POLE AND CATENARY STRING LIGHTS

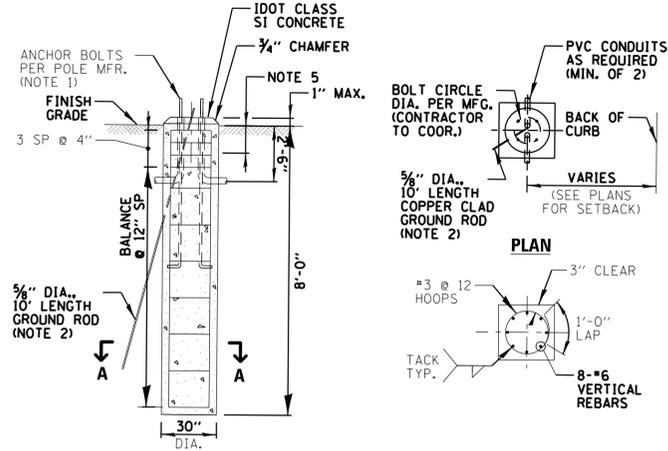
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PROPOSED LIGHTING FIXTURE SCHEDULE

NOTES:

- PROVIDE ALL ADDITIONAL HARDWARE FOR FIXTURE MOUNTING AS REQUIRED AT NO EXTRA COST.
- ALL WIRE WITHIN (3) THREE INCHES OF DRIVERS SHALL BE RATED A MINIMUM OF 90 DEG. C.
- MINIMUM LENS THICKNESS TO BE .125 INCHES, WHERE LENSES ARE USED.
- SEE LIGHTING FIXTURE SECTION IN SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE FIXTURE SCHEDULE DOES NOT NECESSARILY LIST ALL ACCESSORIES AND HARDWARE NECESSARY FOR THE COMPLETION OF INSTALLATION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY DETERMINE AND PROVIDE CORRECT COMPONENTS, ACCESSORIES, AND HARDWARE AS REQUIRED FOR THE INSTALLATION. (PROPOSED FOUNTAIN SQUARE SPACE + STREET LIGHT POLE TO INCLUDE MESSENGER WIRING)
- CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR EXACT LIGHTING FIXTURE LOCATION.
- ALL LAMPS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR, OR AS NOTED ON THE PLANS.

DESCRIPTION	LAMP	DRIVER	VOLTAGE	MANUFACTURER AND MODEL NUMBER	LOCATION
LED LIGHT STRINGS	0.6W 2700K	DIMMING	120V 1Ø TO 24 V DC	MAXILED	SOUTH PLAZA

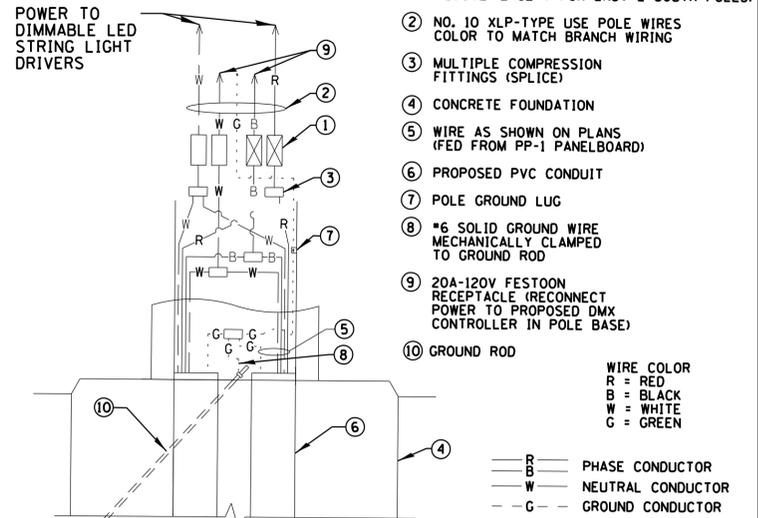


NOTES:

- FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE FINISHED GRADE, INCLUDING ANCHOR RODS.
- GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8 FEET IN CONTACT WITH SOIL.
- FOUNDATIONS SHALL BE VIBRATED IN ACCORDANCE WITH IDOT STANDARD PRACTICES.
- ALL ABOVE ITEMS INCLUDING CONCRETE, REINFORCEMENT, RACEWAYS, GROUND ROD AND FORMWORK SHALL BE INCLUDED IN THE "LIGHT POLE FOUNDATION" PAY ITEM.
- THE TOP 6" OF CONCRETE FOUNDATION SHALL BE 24" SQUARE.

PROPOSED FOUNTAIN SQUARE SOUTH PLAZA STRING LIGHTING CONCRETE FOUNDATION DETAIL

N.T.S.

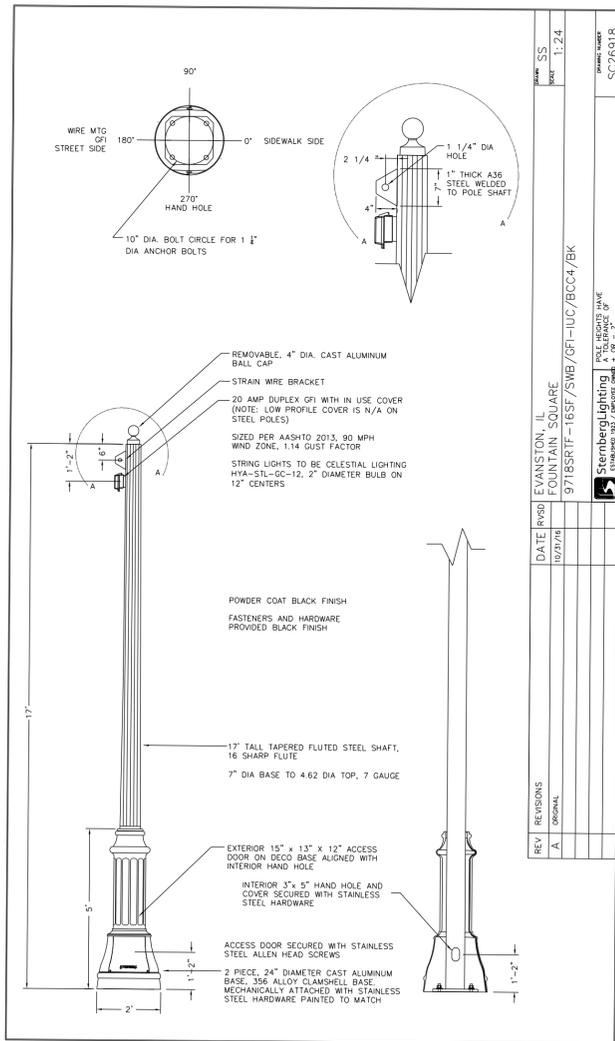


NOTES:

- CONTRACTOR TO CONNECT POLE POWER TO PROPOSED STRING LIGHTING DRIVERS AT MOST NORTHERLY NEW POLE AND THE 1ST NORTHEAST AND NORTHWEST POLE

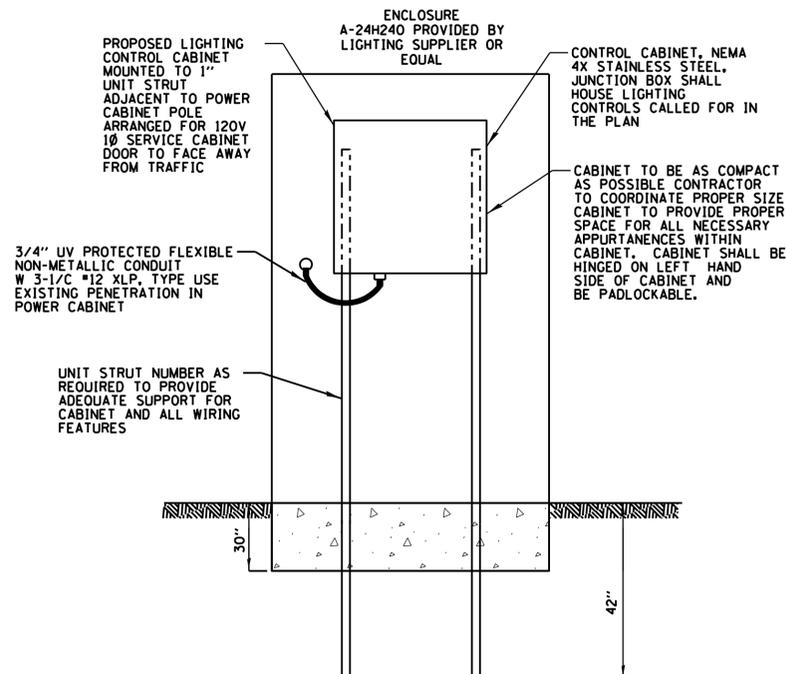
EXISTING SOUTH PLAZA STRING LIGHTING HANDHOLE WIRING DIAGRAM

N.T.S.



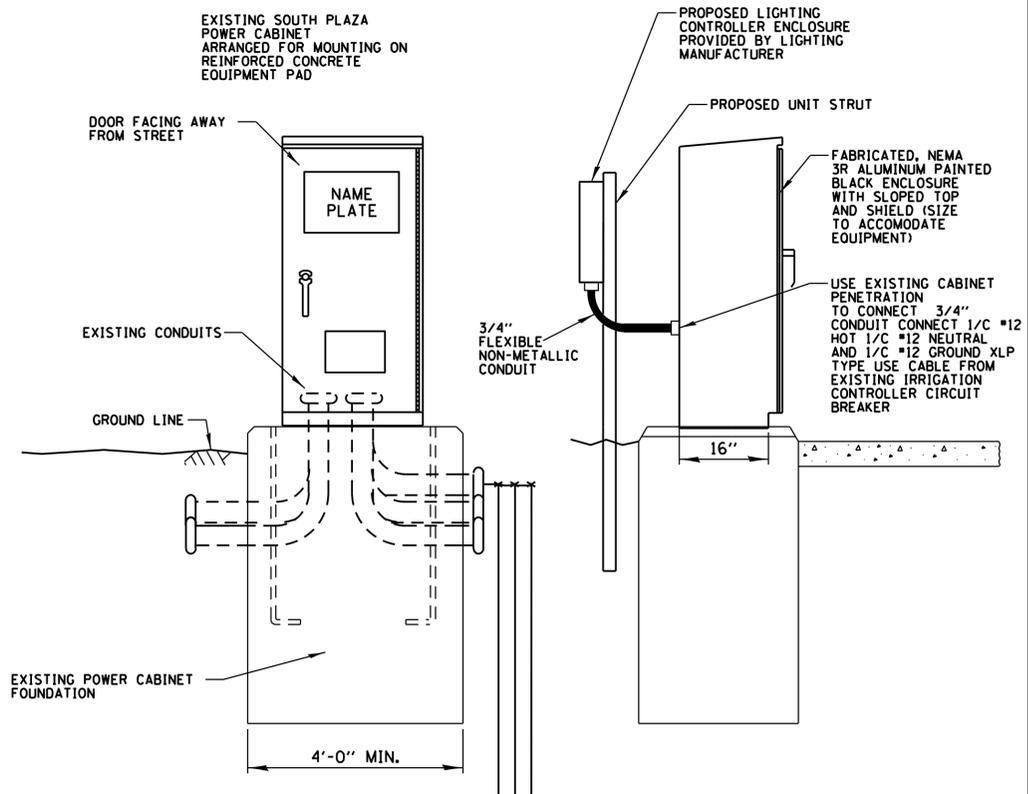
PROPOSED FOUNTAIN SQUARE SOUTH PLAZA STRING LIGHTING POLE DETAIL

N.T.S.



PROPOSED STRING LIGHTING POWER CABINET LOCATION OF TOUCH PAD DEVICE

N.T.S.



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sheet name
Fountain Square
Lighting Details - 1

sheet number

E-05



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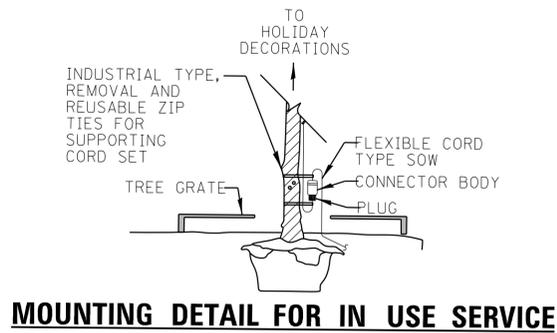
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Fountain Square
Lighting Details - 2

sheet number

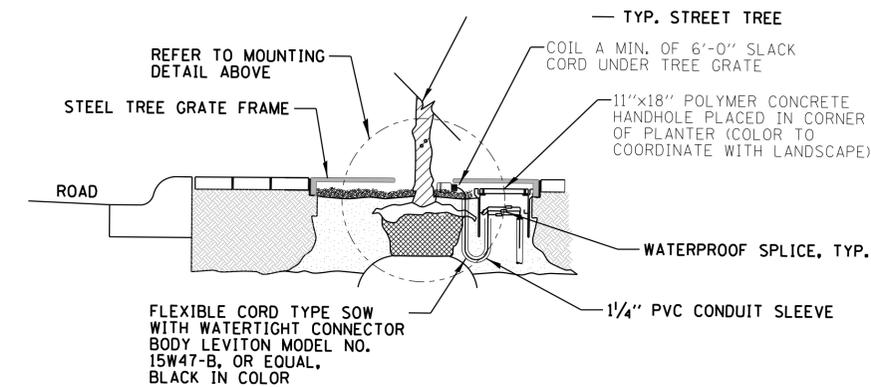
E-06



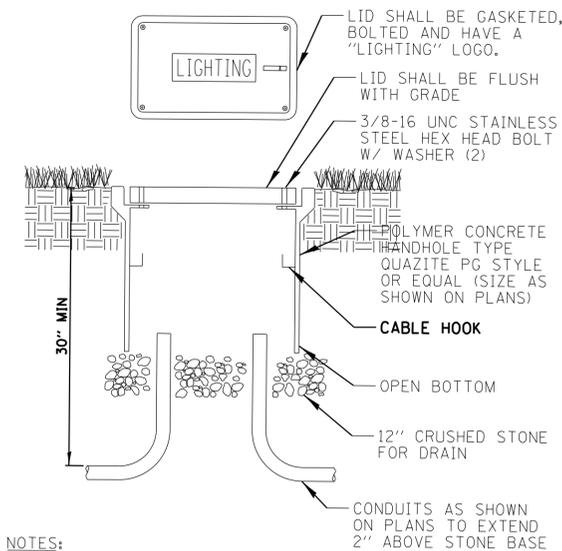
NOTES:

1. THE PROPOSED WATERTIGHT CORD CONNECTORS SHOWN SHALL BE USED IN CONJUNCTION WITH ONLY CORRESPONDING LEVITON WATERTIGHT PLUG MODEL NO. 14W47-B, BLACK IN COLOR, RATED IN-USE PER NEC.
2. PROVIDE A RECEPTACLE IN ALL TREE GRATES WHERE INDICATED ON PLANS.
3. CONTRACTOR SHALL SUPPLY SEPARATE CORD SET, 10 FT. IN LENGTH AND BLACK IN COLOR, WITH MATCHING LEVITON CONNECTOR ENDS (ONE END W/ PLUG AND ONE END W/ RECEPTACLE).
4. ALL MATERIAL & LABOR TO PERFORM THE WORK SHOWN ABOVE SHALL BE INCLUDED IN UNIT PRICE FOR "120V GFCI TREE GRATE RECEPTACLES," INCLUDING HANDHOLE.

MOUNTING DETAIL FOR IN USE SERVICE



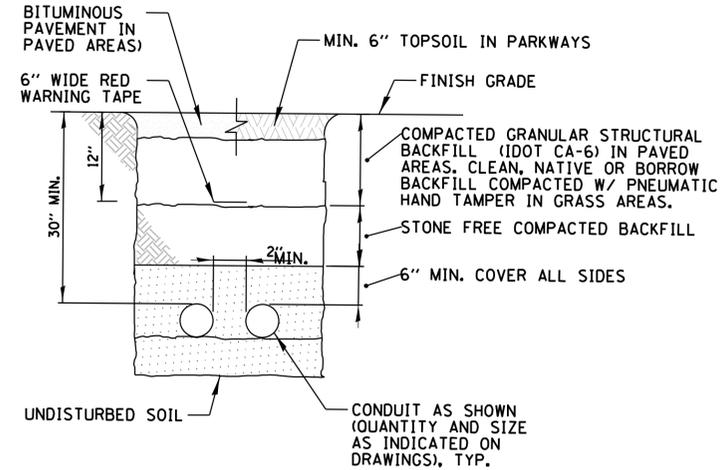
PROPOSED TREE GRATE RECEPTACLE DETAIL
N.T.S.



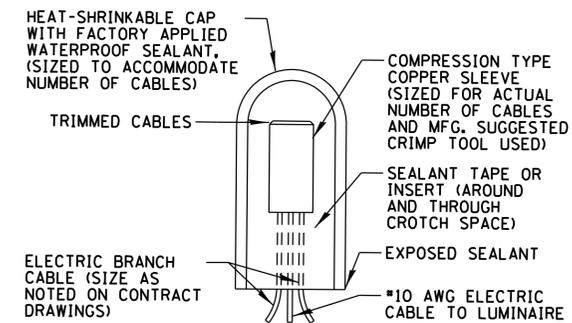
NOTES:

1. ALL SPLICES SHALL BE WATERPROOF (SEE SPLICING DETAIL).
2. POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREEN IN LANDSCAPED AREAS AND MATCH COLOR IN CONCRETE/BRICK AREAS.
3. BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS AND BE UL LISTED.

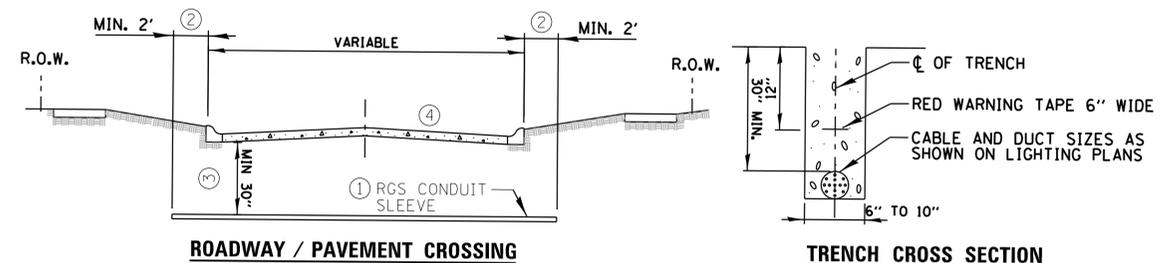
COMPOSITE CONCRETE HANDHOLE
N.T.S.



ELECTRICAL CONDUIT TRENCHING DETAIL
N.T.S.



SPLICING ELECTRIC CABLE (FOR SPLICING OF POLE WIRING AND SPLICING IN JUNCTION BOXES FOR TREE GRATE RECEPTACLES)
N.T.S.



ROADWAY / PAVEMENT CROSSING

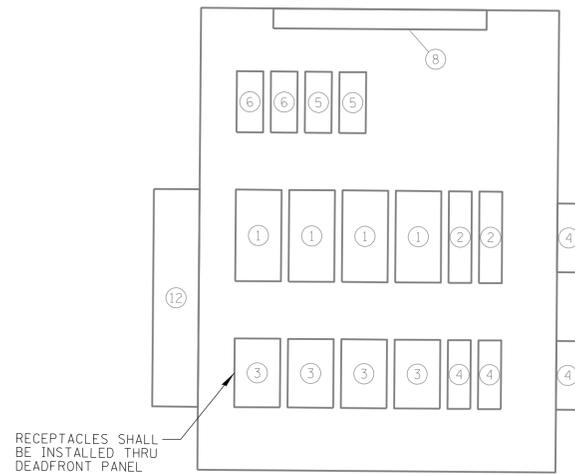
TRENCH CROSS SECTION

- ① SLEEVE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.
- ② SLEEVE SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ SLEEVE SHALL BE A MINIMUM OF 30" BELOW ROADWAY OR CURB BOTTOM.
- ④ CONTRACTOR SHALL PERFORM EXPLORATORY POTHOLES IN PAVEMENT IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.

ELECTRIC CONDUIT INSTALLATION
N.T.S.

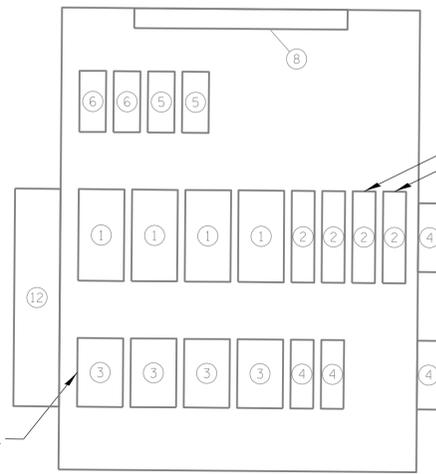
	SPECIFICATION	MFG./MODEL NO. OR APPROVED EQUAL
①	TWIST LOCK CIRCUIT BREAKER	50 AMPERE, 2P, 240V RATING, 10k AIC, THERMAL MAGNETIC MOLDED CASE SIEMENS NO. ED22B050
②	RECEP/LITE CIRCUIT BREAKER	20 AMPERE, 1P, 120V RATING, 10k AIC, THERMAL MAGNETIC MOLDED CASE SIEMENS NO. ED21B020
③	50A TWIST LOCK RECEPTACLE	50 AMPERE, 120/240VOLT, 3 POLE, 4 WIRE TWIST LOCK RECEPTACLE MOUNTED FLUSH WITH DEAD FRONT PANEL RECEPTACLE: HUBBELL NO. CS6369
④	20A GFCI RECEPTACLE	COMMERCIAL GRADE W.R. GFCI 20A/120V, MOUNTED FLUSH WITH HINGED ALUMINUM DEAD FRONT PANEL, EXTERIOR RECEPTACLES WITH LOCKABLE IN USE COVERS RECEPTACLE: LEVITON NO. WR899
⑤	POWER DISTRIBUTION BLOCK	150A-600 VOLT, 10 KAIC, INSULATED, SIZE AS REQUIRED (2 SPARE LUGS) MARATHON
⑥	GROUND & NEUTRAL POWER DISTRIBUTION BLOCK	150A-600 VOLT, 10 KAIC, INSULATED, SIZE AS REQUIRED (2 SPARE LUGS) MARATHON
⑦	DOOR SWITCH	20 AMPERE, 120 VOLT, MOUNTED IN DOOR, SNAP ACTION TYPE, PLUNGER SWITCH, OMRON NO. A-20G0-K
⑧	CABINET LIGHT	5 WATT LED STRIP LIGHT, 60K HOUR RATING, 65K COLOR TEMPERATURE, DOOR SWITCH CONTROLLED, FASTENED TO TOP OF CABINET PENTAIR NO. LEDAIS35
⑨	20A RECEPTACLE WIRE	600V MTW NO. 12 AWG, MARKED WITH BRADY MARKERS N/A
⑩	50A TWIST LOCK RECEPTACLE WIRE	600V MTW NO. 6 AWG, MARKED WITH BRADY MARKERS N/A
⑪	BACKBOARD	1/2" THICK, SOLID PHENOLIC LAMINATE ARBORON
⑫	DISCONNECT SWITCH	200A, 240V, NEMA 3R FUSED DISCONNECT SQUARE D

RECEPTACLE CABINET COMPONENT SCHEDULE



NORTH PLAZA RECEPTACLE CABINET EQUIPMENT LAYOUT
N.T.S.

RECEPTACLES SHALL BE INSTALLED THRU DEADFRONT PANEL



SOUTH PLAZA RECEPTACLE CABINET EQUIPMENT LAYOUT
N.T.S.

RECEPTACLES SHALL BE INSTALLED THRU DEADFRONT PANEL

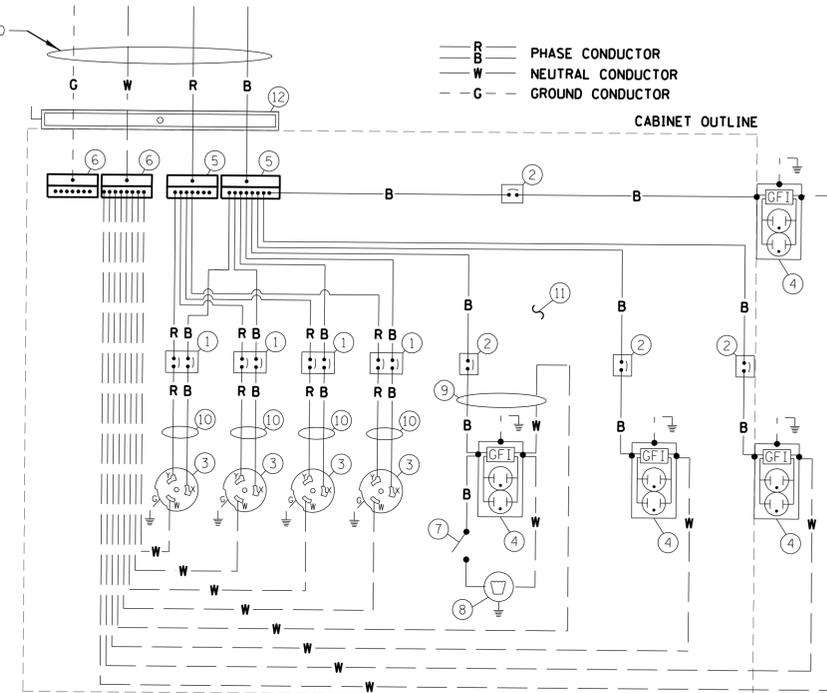
SPARE 20A-1P, 120V RATED CIRCUIT BREAKER FOR FUTURE ART INSTALLATION
SPARE 20A-1P, 120V RATED CIRCUIT BREAKER FOR FUTURE/ALTERNATE IRRIGATION EQUIPMENT

NOTES:

1. THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.
2. THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.
3. CABINET SHALL HAVE HINGED DEADFRONT WITH ONLY RECEPTACLES ACCESSIBLE FROM FRONT (DEAD) SIDE.
4. ALL WIRING SHALL BE COPPER.

120/240V, 1Ø, 4 WIRE, FED FROM MAIN DISTRIBUTION CONTROLLER CABINET (SEE LIGHTING PLAN FOR SIZES)

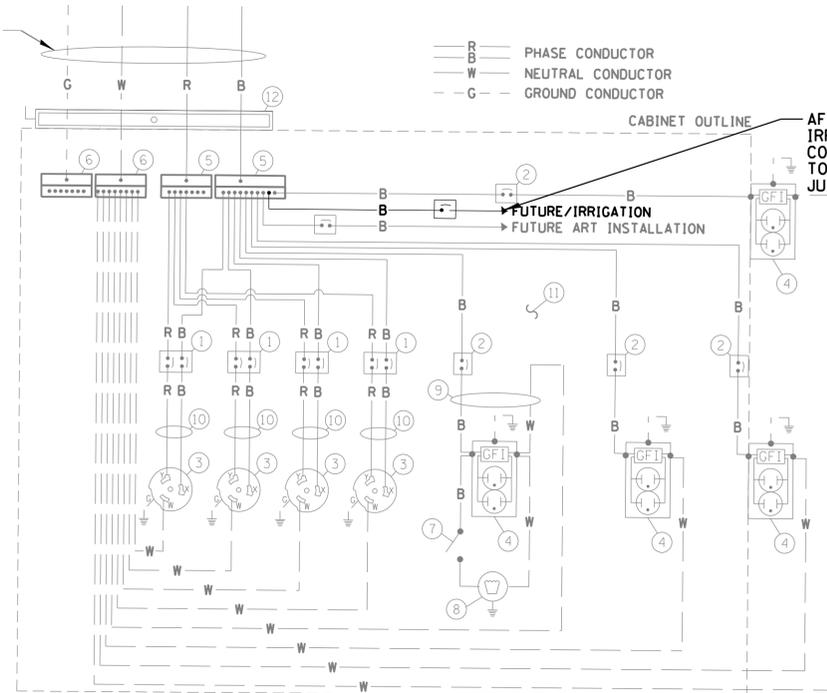
WIRE COLOR
R = RED
B = BLACK
W = WHITE
G = GREEN



NORTH PLAZA RECEPTACLE CABINET WIRING DIAGRAM
N.T.S.

120/240V, 1Ø, 4 WIRE, FED FROM MAIN DISTRIBUTION CONTROLLER CABINET (SEE LIGHTING PLAN FOR SIZES)

WIRE COLOR
R = RED
B = BLACK
W = WHITE
G = GREEN



SOUTH PLAZA RECEPTACLE CABINET WIRING DIAGRAM
N.T.S.

AFTER DISCONNECTION OF IRRIGATION CONTROLLER, CONNECT NEW (SO) CABLE TO PROPOSED HOLIDAY JUNCTION BOX (SO) CORD
FUTURE/IRRIGATION
FUTURE ART INSTALLATION



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sheet name
**Existing Electrical
Details-1**

sheet number

E-07

ITEM	SPECIFICATION	MANUFACTURER/MODEL NO. OR EQUAL
1	RECEP CABINET CIRCUIT BREAKER (2) 200A, 2P, 240V, SERVICE DISCONNECT RATED, 35KAIC	SIEMENS NO. FD62B200
2	STREET LIGHTING CIRCUIT BREAKER 100A, 2P, 240V, SERVICE DISCONNECT RATED, 35KAIC	SIEMENS NO. ED42B100
3	LITE/RECEPTACLE CIRCUIT BREAKER 20A, 1P, 120V, SERVICE DISCONNECT RATED, 35KAIC	SIEMENS NO. ED41B20
4	CONTROL CIRCUIT BREAKER 15 AMPERE, 1P, 120V RATING, 35KAIC	SIEMENS NO. ED41B15
5	AUXILIARY RELAY 120V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS	MAGNECRAFT NO. 389 FXBXC1 - 120A
6	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
7	CABINET LIGHT 5 WATT LED STRIP LIGHT, 60K HOUR RATING, 65K COLOR TEMPERATURE, DOOR SWITCH CONTROLLED, FASTENED TO TOP OF CABINET	PENTAIR NO. LEDA1S35
8	CONTACTOR 100 AMPERE, 2 POLE, 120 V COIL, MECH HELD	SQUARE D NO. 8903 S0010 V02
9	BRANCH CIRCUIT BREAKER 20A, 1P, 120V RATING, 35KAIC 20A, 2P, 240V RATING, 35KAIC	SIEMENS NO. ED21B020 SIEMENS NO. ED22B020
10	POWER DISTRIBUTION BLOCK 600 VOLT, INSULATED, SIZE AS REQUIRED	MARATHON
11	SERVICE CABLES 2 SETS (3-600V (XLP-TYPE USE) NO. 350MCM)	N/A
12	LAMPHOLDER WIRE 600V XLP NO. 12	N/A
13	CONTROL WIRE 600V XLP NO. 12	N/A
14	SURGE ARRESTOR 10K AMPERE RATING	SQUARE D NO. SDSA 1175
15	PHOTOELECTRIC CONTROL WIRE 600V XLP NO. 12	N/A
16	PHOTOCELL TERMINAL BLOCK 3 TERMINAL, SCREW TYPE, MAX. #10 WIRE SIZE	CINCH NO. 3-142
17	DOOR SWITCH 20A/120V, DOOR MOUNTED SNAP ACTION TYPE PLUNGER SWITCH	OMRON NO. A-20G0-K
18	HAND-AUTO-OFF CONTROL SWITCH 20A, 3 POS. MTD IN CAST ALUM. ENCLOSURE	SQUARE D NO. 9001 KYK 111
19	PHOTOCELL 120V, MTD, ON CABINET, DELAY TYPE, SPST-NC	FISHER PIERCE NO. FFFA-105
20	TERMINAL BLOCK 20A, 240V, #12-#10 AWG WIRE RANGE (MAX 12) #8 PER LUG, INSULATED, CKTS LABELED BLOCKS INSTALLED HORIZONTALLY AT BASE OF CABINET	SQUARE D NO. GD6
21	GROUND & NEUTRAL BUS NEUTRAL BUS-MIN 16 TERMINATIONS (#1/0-#10) & GROUND BUS-MIN 16 TERMINATIONS (#1/0-#10), SHALL BE HORIZONTAL, AT THE BASE OF CABINET	ERICO NO. TCB
22	LIGHTING PANEL 120/208V-1Ø-100A MAIN LUG ONLY, 18 SPACE	SQUARE D NO. NO18L2

MAIN DISTRIBUTION CABINET COMPONENT SCHEDULE

NOTES:

- THE MAIN DISTRIBUTION CABINET TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.
- CONNECTION OF SURGE ARRESTOR TO LINE SIDE OF MAIN CIRCUIT BREAKER SHALL NOT BE "DOUBLE LUGGED."
- ALL EQUIPMENT SHALL BE MOUNTED ON A 1/2" THICK ARBORON TIRE BACK PANEL.
- ALL MAIN CIRCUIT BREAKERS SHALL BE LABELED "SERVICE DISCONNECT."
- ALL WIRES IN CABINET SHALL BE LABELED AT EACH END WITH BRADY TYPE MARKERS.
- 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.

CKT #	CB/ POLES	DESCRIPTION	A PH VA	B PH VA	A PH VA	B PH VA	DESCRIPTION	CB/ POLES	CKT #
1	20A/2P	NORTH PLAZA LIGHTING - 1	330	330	330	330	NORTH PLAZA LIGHTING - 2	20A/2P	2
3	20A/2P	NORTH PLAZA LIGHTING - 1	330	330	330	330	NORTH PLAZA LIGHTING - 2	20A/2P	4
5	20A/2P	SOUTH PLAZA LIGHTING - 1	248	248	354	354	SOUTH PLAZA LIGHTING - 2	20A/2P	6
7	20A/2P	SOUTH PLAZA LIGHTING - 1	248	248	354	354	SOUTH PLAZA LIGHTING - 2	20A/2P	8
9	20A/1P	CONCRETE BENCH LIGHTING	281	-	300	-	VETERANS MEMORIAL LIGHTING	20A/1P	10
11	20A/1P	KIOSK AND FLAG POLE LIGHTING	-	55	-	470	SOUTH PLAZA STRING LIGHTS	20A/1P	12
13	20A/1P	SPARE	-	-	-	-	SPARE	20A/1P	14
15	20A/1P	SPARE	-	-	-	-	SPARE	20A/1P	16
17	20A/1P	SPARE	-	-	-	-	SPARE	20A/1P	18
SUBTOTALS:			859	633	984	1154			

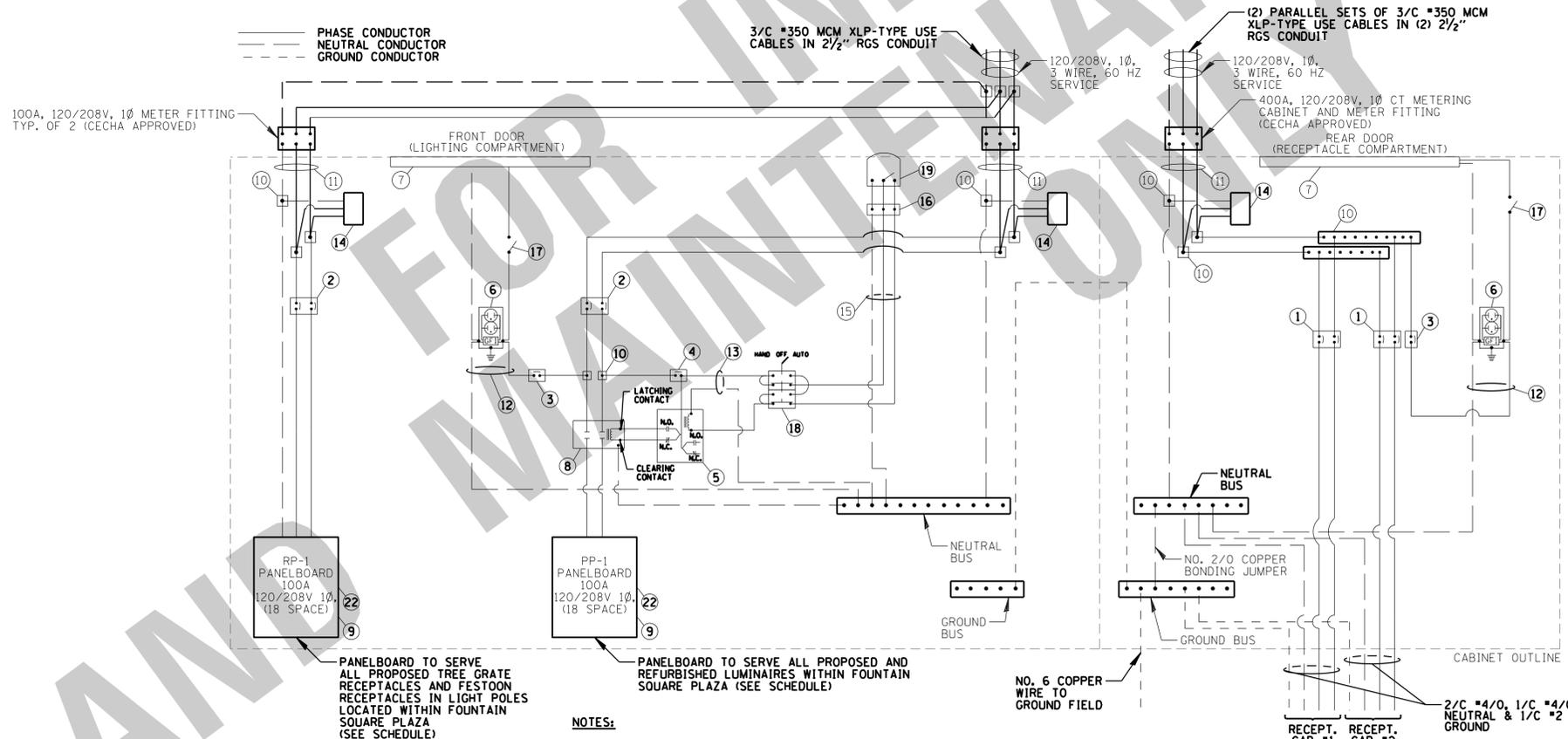
NOTE: ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE

FOUNTAIN SQUARE PLAZA LIGHTING PANELBOARD SCHEDULE (PP-1)

CKT #	CB/ POLES	DESCRIPTION	A PH VA	B PH VA	A PH VA	B PH VA	DESCRIPTION	CB/ POLES	CKT #
1	20A/1P	NORTH PLAZA RECEPTACLE - 1	720	-	540	-	NORTH PLAZA RECEPTACLE - 4	20A/1P	2
3	20A/1P	NORTH PLAZA RECEPTACLE - 2	720	720	540	540	NORTH PLAZA RECEPTACLE - 5	20A/1P	4
5	20A/1P	NORTH PLAZA RECEPTACLE - 3	720	-	1540	-	NORTH PLAZA RECEPTACLE - 6	20A/1P	6
7	20A/1P	SOUTH PLAZA RECEPTACLE - 1	720	720	720	720	SOUTH PLAZA RECEPTACLE - 3	20A/1P	8
9	20A/1P	SOUTH PLAZA RECEPTACLE - 2	720	-	1720	-	SOUTH PLAZA RECEPTACLE - 4	20A/1P	10
11	20A/1P	NORTH PLAZA FESTOON RECEPTACLE - 1	720	720	720	720	NORTH PLAZA FESTOON RECEPTACLE - 2	20A/1P	12
13	20A/1P	SOUTH PLAZA FESTOON RECEPTACLE - 1	540	-	770	-	SOUTH PLAZA FESTOON RECEPTACLE - 2	20A/1P	14
15	20A/1P	SOUTH PLAZA STRING LIGHT RECEPTACLES	-	1800	-	-	SPARE	20A/1P	16
17	20A/1P	SPARE	-	-	-	-	SPARE	20A/1P	18
SUBTOTALS:			2700	3960	4570	1980			

NOTE: ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE

FOUNTAIN SQUARE PLAZA TREE GRATE RECEPTACLE PANELBOARD SCHEDULE (RP-1)



NOTES:

- CONTRACTOR SHALL PROVIDE PROPER NUMBER OF PHASE, NEUTRAL AND GROUND CONDUCTORS, AS SHOWN ON THE LIGHTING PLANS AND INDIVIDUAL LIGHTING PANELBOARDS FOR NUMBER AND SIZE OF CIRCUIT BREAKERS. ONLY PHASE CONDUCTORS ARE SHOWN FOR CLARITY.

MAIN DISTRIBUTION CABINET WIRING DETAIL



627 Grove Street, Evanston, Illinois 60201
Tel 847.869.2015 Fax 847.869.2059

client / owner
CITY OF EVANSTON
project name
FOUNTAIN SQUARE
SOUTH PLAZA IMPROVEMENTS
project address
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seal / signature



Anthony J. DeRocco

owner / developer
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engineer
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issue date 08.05.25

sheet name
Existing Electrical
Details-2

sheet number

E-08



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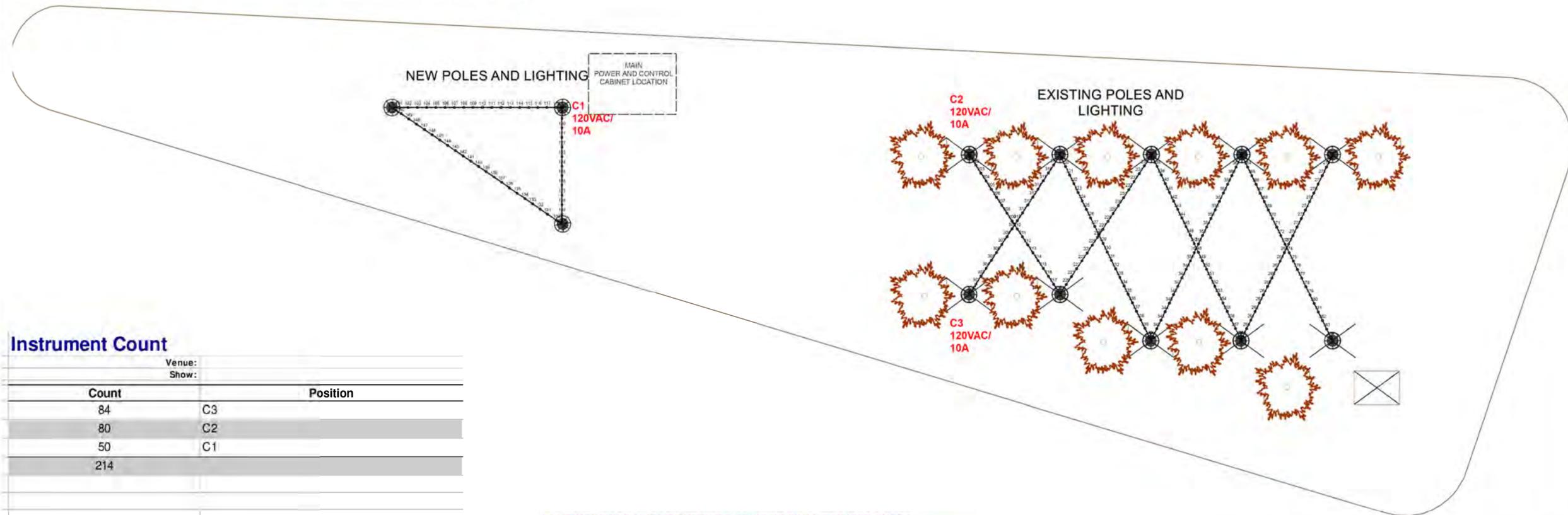
client / owner
CITY OF EVANSTON
project name
FOUNTAIN SQUARE
SOUTH PLAZA IMPROVEMENTS
project address
FOUNTAIN SQUARE SOUTH PLAZA
700 DAVIS ST
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ANTHONY J. DeRICO
062-057484
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
Anthony DeRico

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Instrument Count

Count	Venue:	Position
84	C3	
80	C2	
50	C1	
214		

* ALL DIMENSIONS MUST BE VERIFIED PRIOR TO FINAL PROJECT QUOTE.
** ALL PANELS, WIRING, TERMINATIONS MUST COMPLY WITH NEC AND UL 508A
*** ALL ANTENNA WIRING AND LOCATIONS MUST BE CONFIRMED IN FIELD FOR PROPER SIGNAL STRENGTH AND CONNECTIVITY

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sheet name
Overview

sheet number
E-09





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CITY OF EVANSTON
project name
FOUNTAIN SQUARE
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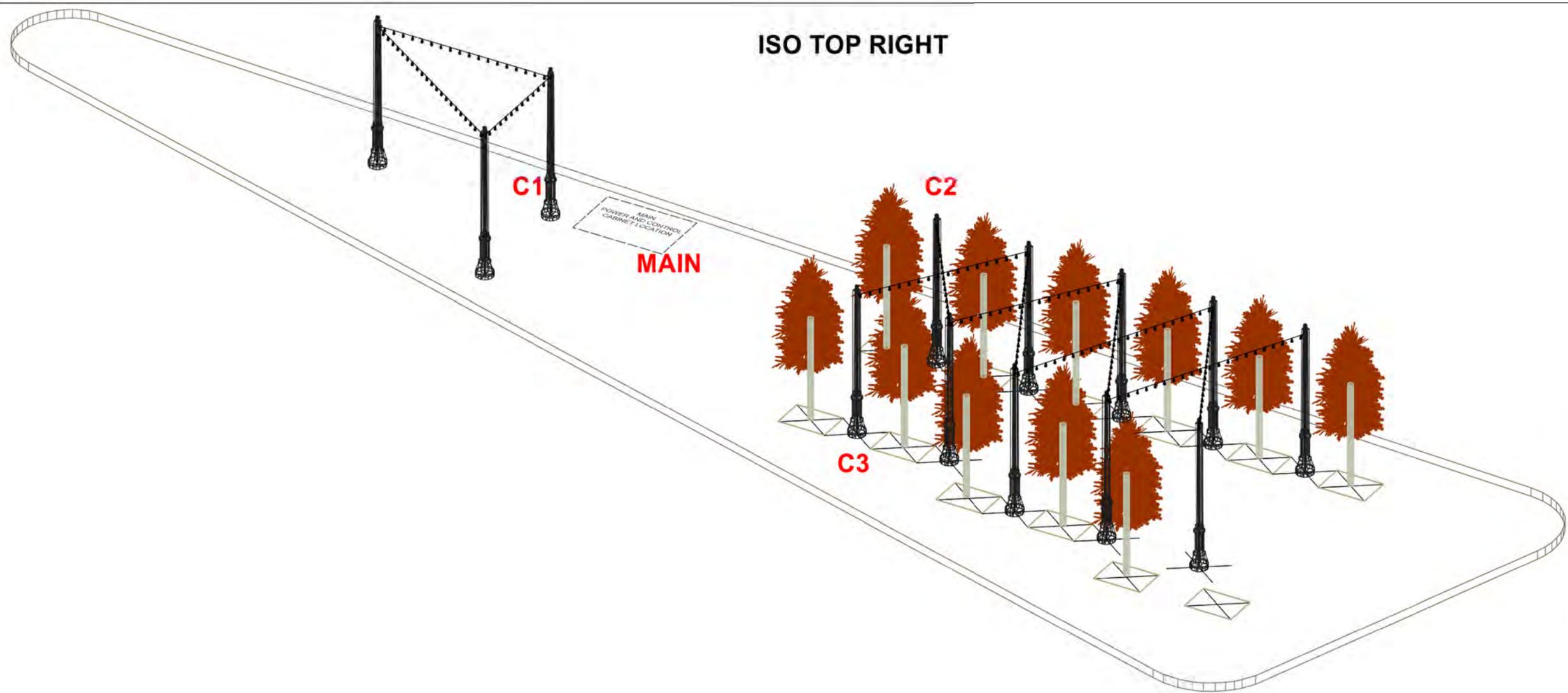
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sheet name
System Spec

sheet number
E-10

ISO TOP RIGHT



RIGHT ELEVATION





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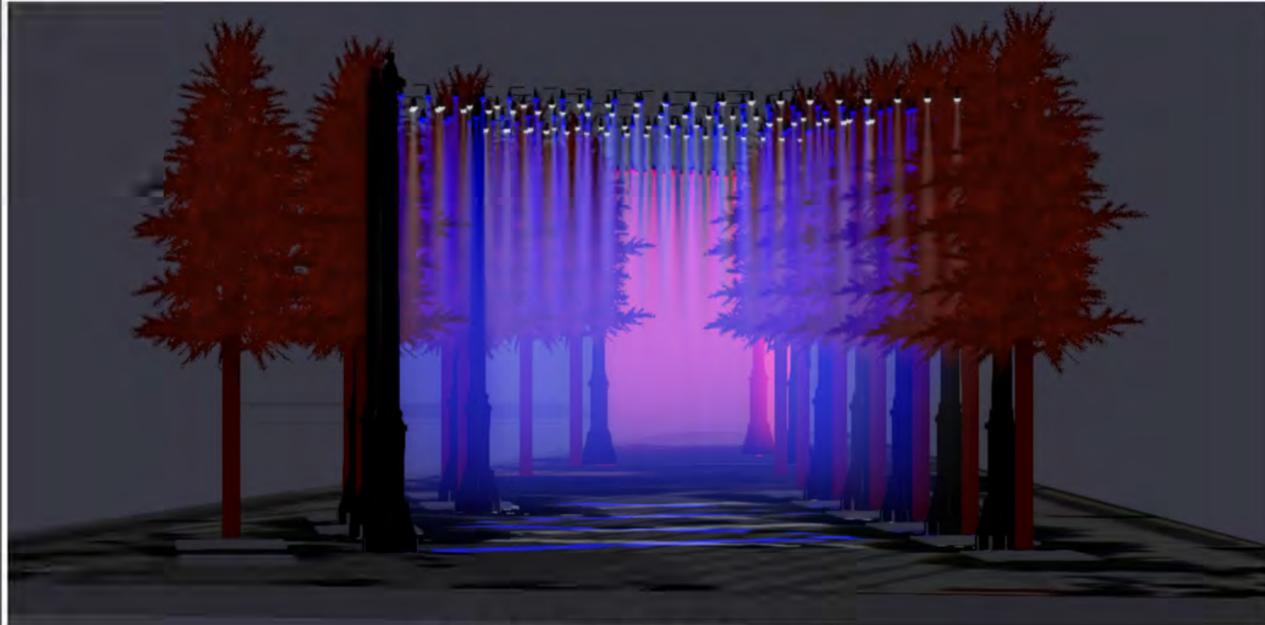
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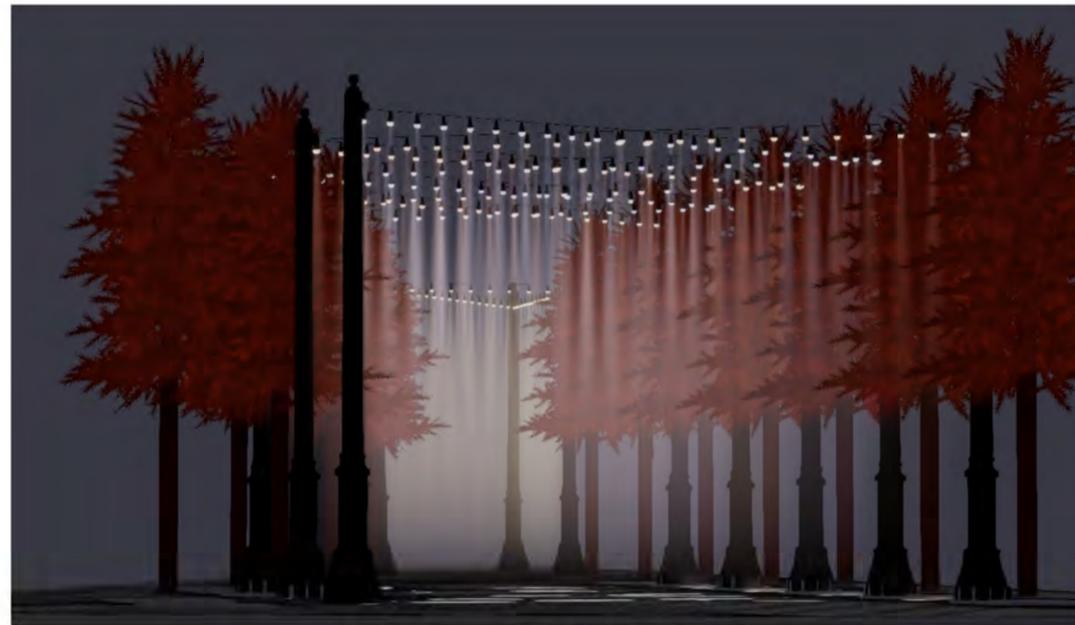
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System Spec

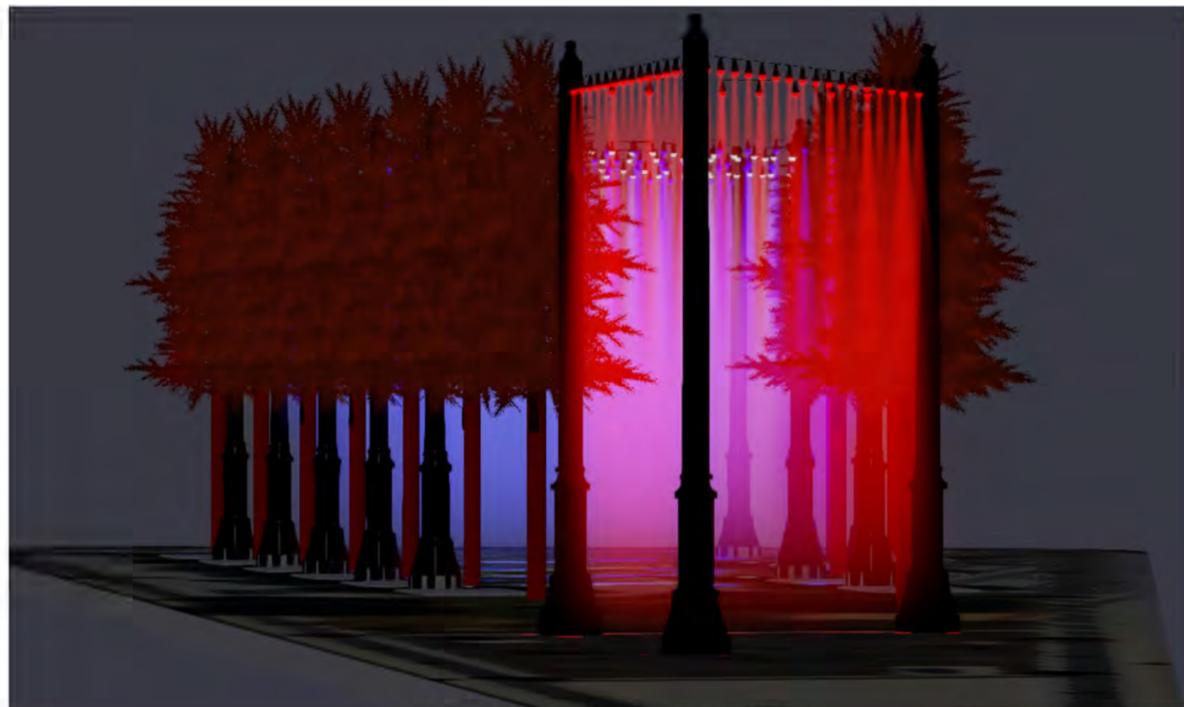
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E-11



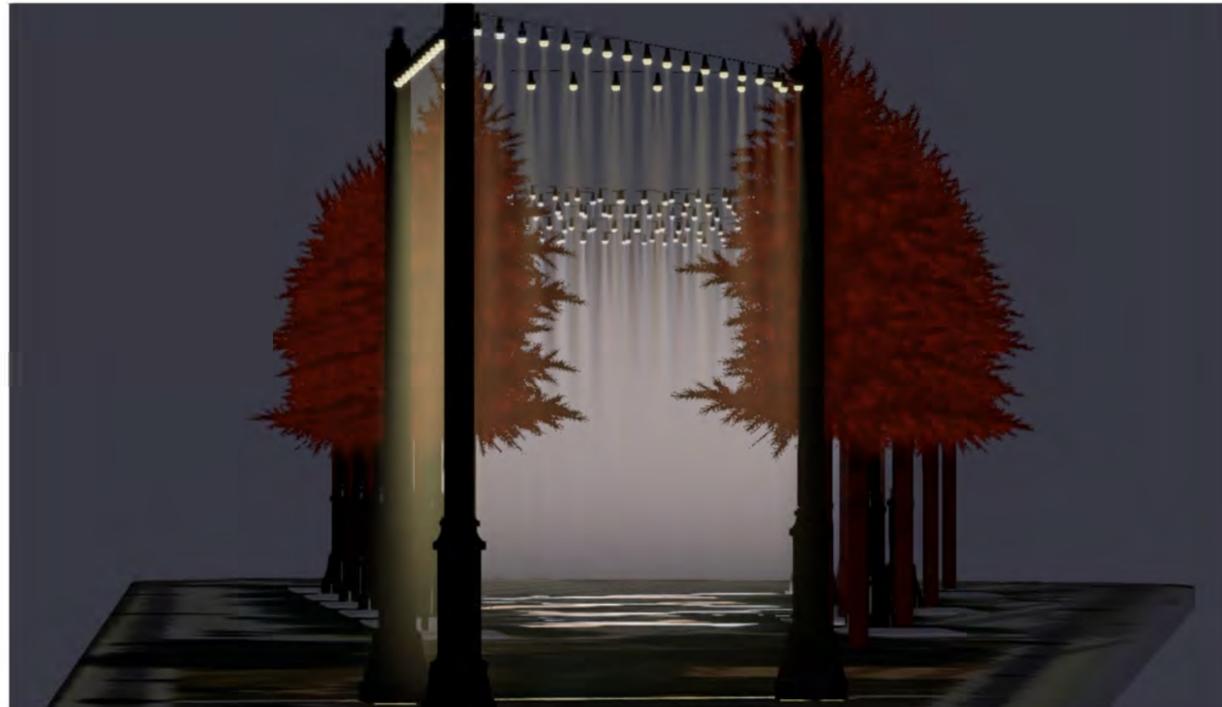
RIGHT VIEW (COLOR)



RIGHT VIEW (WHITE)



LEFT VIEW (COLOR)



LEFT VIEW (WHITE)





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project name
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project address
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700 DAVIS ST
EVANSTON, IL 60201**

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engineer
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9575 WEST HIGGINS ROAD SUITE 600
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p 847.869.2015 f 847.869.2059**

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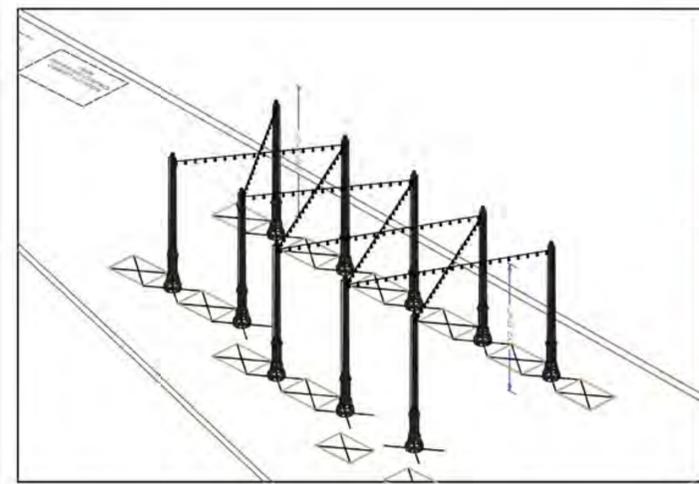
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issue date 08.05.25

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System Spec

sheet number
E-12



CANOPY C2: POWER & CONTROL

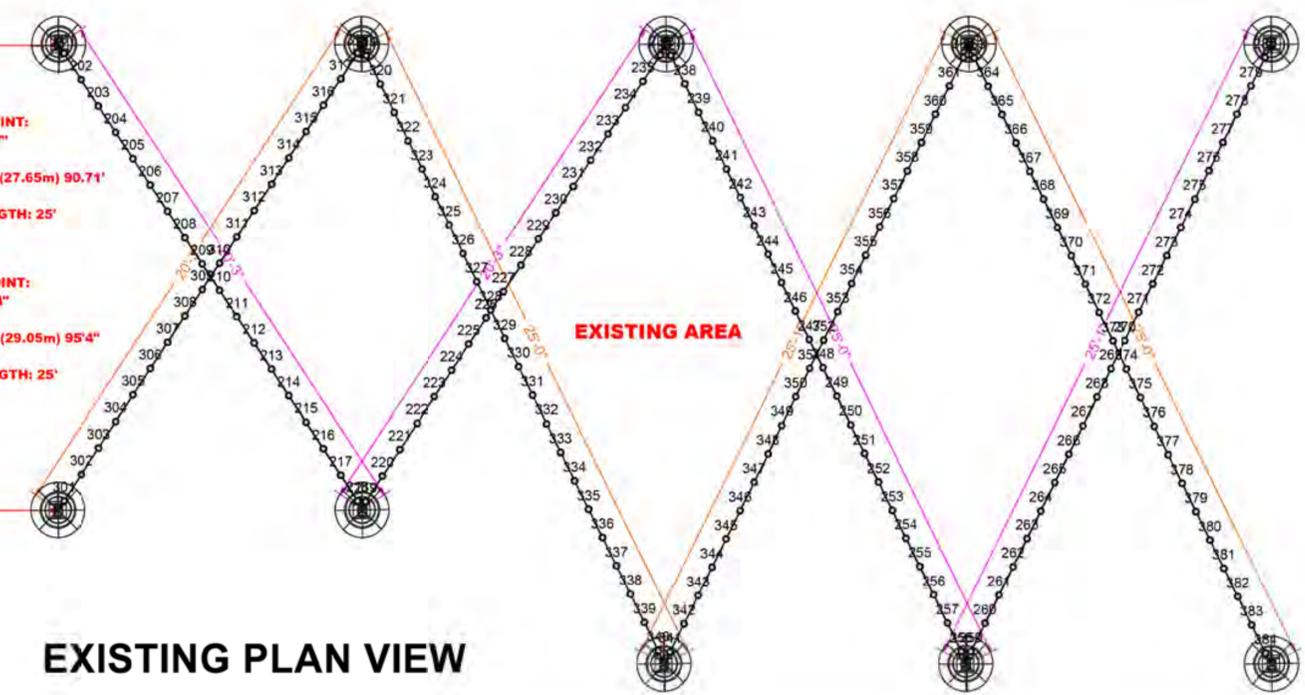
CANOPY C2
MaxiLED Large Globe Series;
24vdc, RGBW Color, Constant Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(80) Globes X 2.4W PER
TOTAL CANOPY C2 WATTAGE 192W

POINT TO POINT:
(27.43m) 90'7"
GLOBE 1-80: (27.65m) 90.71'
LEADER LENGTH: 25'

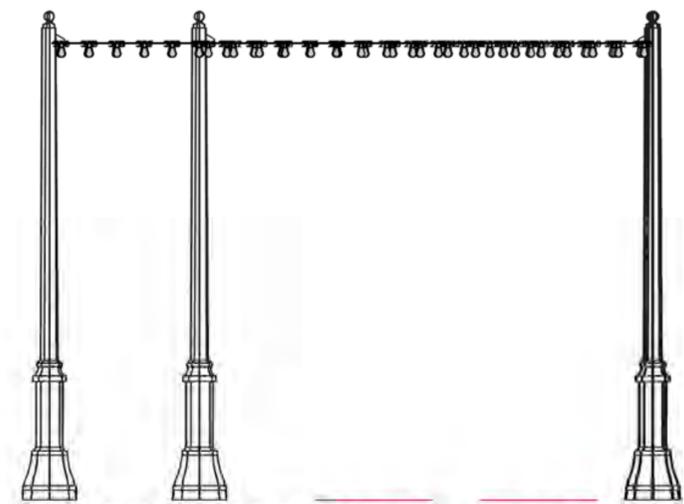
CANOPY C3
MaxiLED Large Globe Series;
24vdc, RGBW Color, Constant Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(84) Globes X 2.4W PER
TOTAL CANOPY C3 WATTAGE 201.6W

POINT TO POINT:
(28.96m) 95'4"
GLOBE 1-84: (29.05m) 95'4"
LEADER LENGTH: 25'

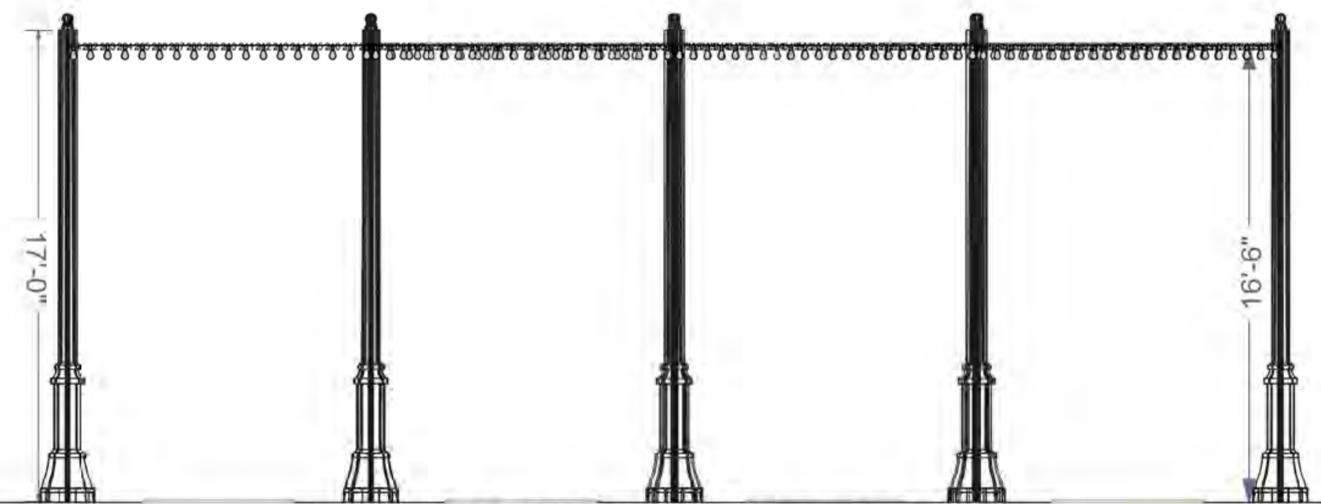
CANOPY C3: POWER & CONTROL



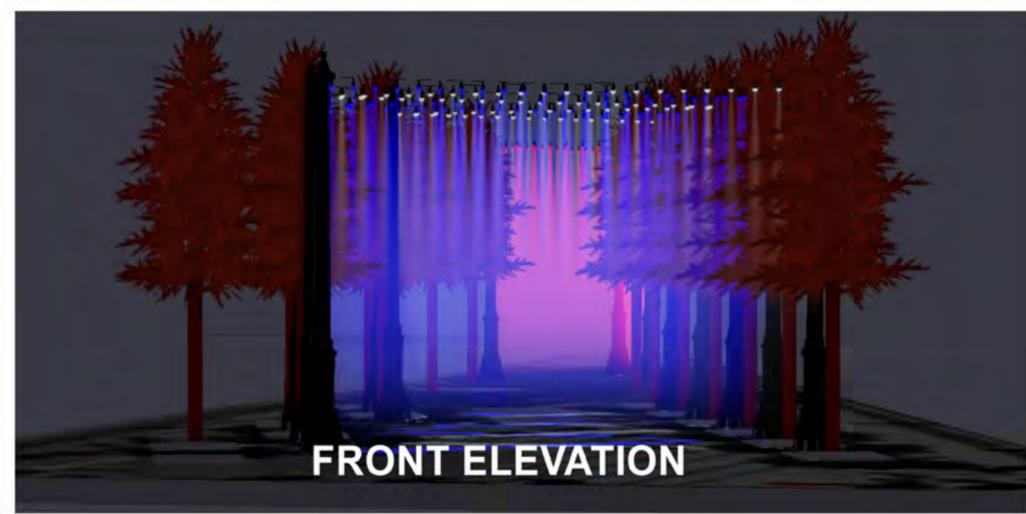
EXISTING PLAN VIEW



EXISTING FRONT ELEVATION



EXISTING SIDE ELEVATION



FRONT ELEVATION





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System Spec

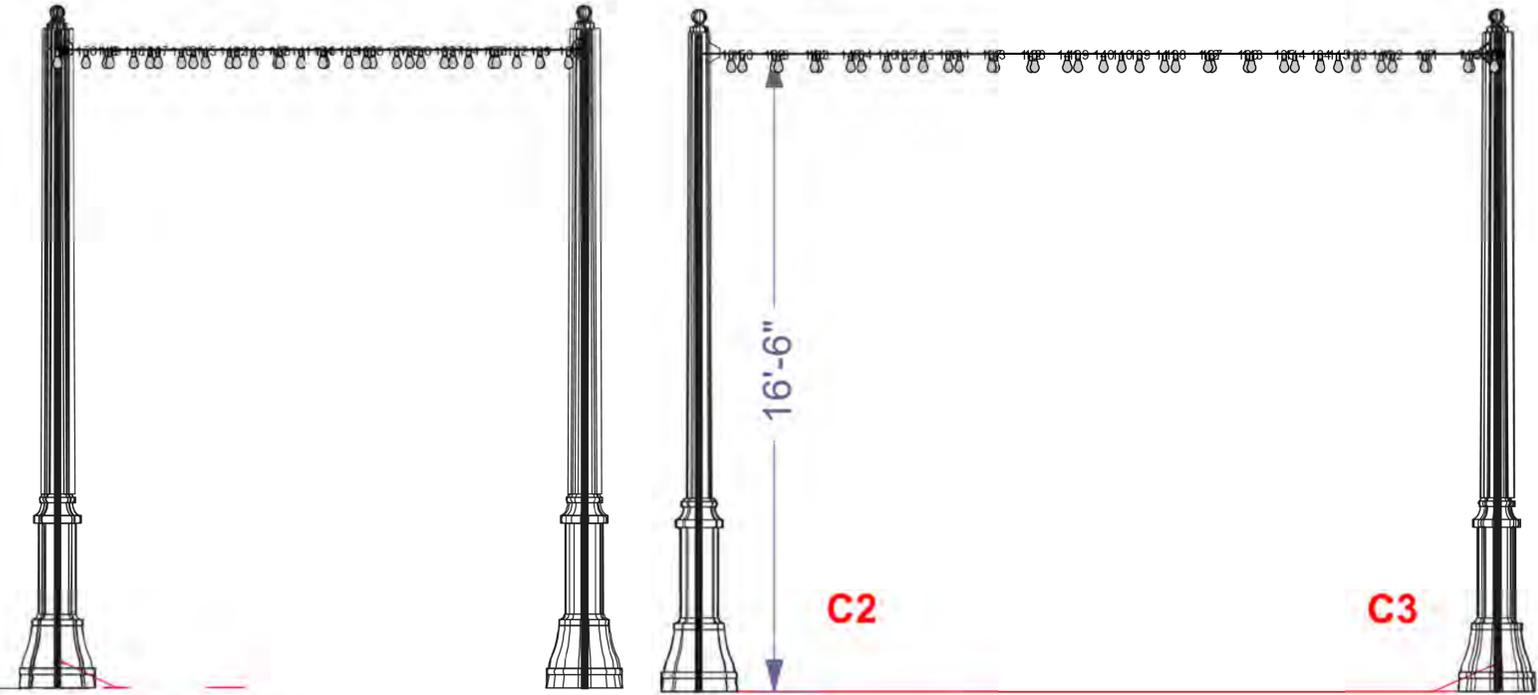
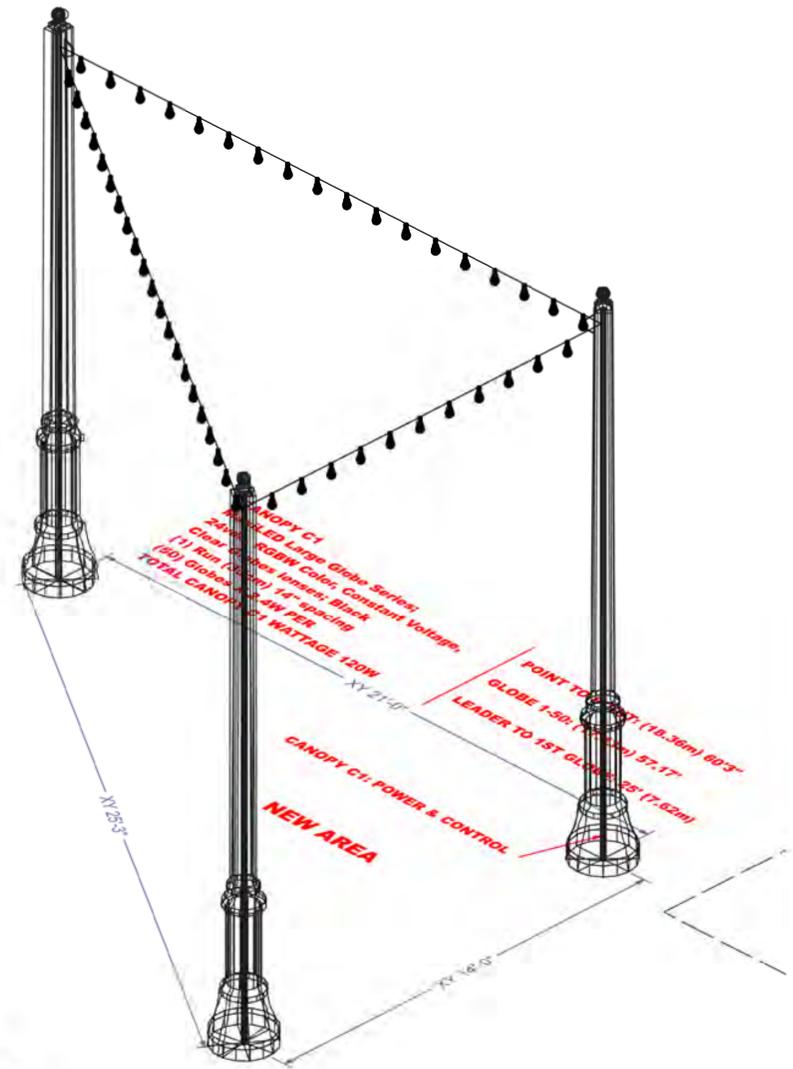
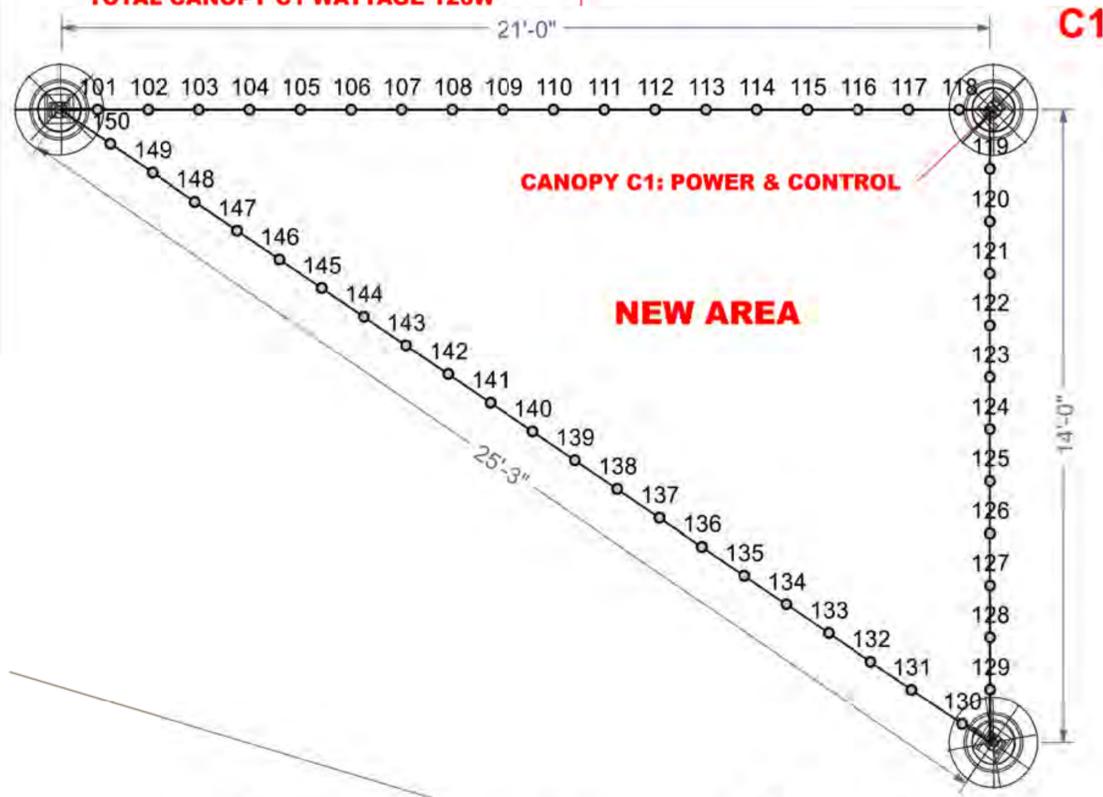
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E-13

MAIN
POWER AND CONTROL
CABINET LOCATION

CANOPY C1
MaxiLED Large Globe Series;
24vdc, RGBW Color, Constant Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(50) Globes X 2.4W PER
TOTAL CANOPY C1 WATTAGE 120W

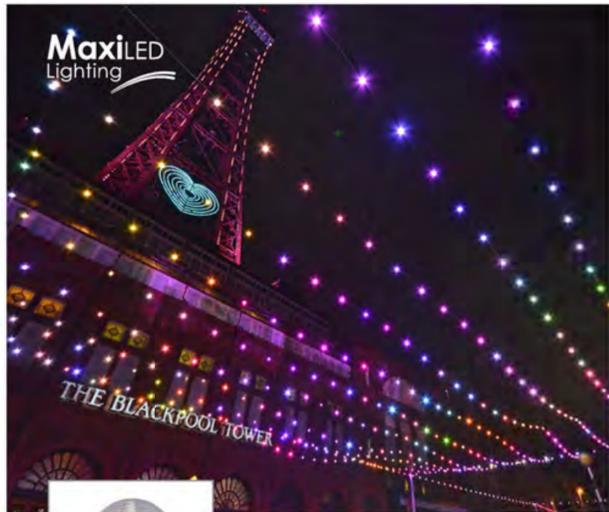
POINT TO POINT: (18.36m) 60'3"
GLOBE 1-50: (17.43m) 57.17'
LEADER TO 1ST GLOBE: 25' (7.62m)



NEW LEFT ELEVATION

LEFT ELEVATION





MaxiLED Large Globe Series DMX RGBW



MaxiLED Focal Facade Catenary Installation Instructions

Warning: This product must be installed by a qualified electrician in accordance with all national and local electrical and construction codes. Failure to comply with the installation instructions can result in serious injury or death.

1 Place rubber grommets over MaxiLED Cable

(a). Make sure catenary cable is taut and secure.
(b). With the secure catenary cable above the MaxiLED Cable, place a rubber grommet 20mm / 0.79 inches either side of the MaxiLED housing.

2 Secure MaxiLED Cable

(a). Using a suitable sized UV resistant zip tie (4.8mm width), secure the grommet up against the catenary cable.
(b). Trim excess cable tie.
NOTE: GROMMET PLACED OVER MAXILED CABLE

3 Repeat Procedure

(a). Repeat process 1-2 until the installation is complete.
(b). Connect the installed unit to the correct transformer.

4 Alternative Fixing Method

(a). alternative fixing method creating a hoop effect.
The transformer must be installed by a qualified electrician in accordance with all national and local electrical and construction codes. Failure to comply with the installation instructions can result in serious injury or death.

MaxiLED Large Globe Series DMX RGBW - Datasheet

KEY FEATURES

- DMX RGBW controllable
- IP68
- Multi chip Cree® LED
- 48VAC

Product Overview

MaxiLED Strands provide exceptionally long strands of globe-lensed LEDs that can be used to outline buildings and bridges or connect architectural features with controllable RGBW lighting. Each strand is built for permanent installations with rugged, injection-molded outer globes, heavy gauge wiring, and dependable CREE LEDs.



MaxiLED Strand Fixing Clip Installation Instructions

Warning: This product must be installed by a qualified electrician in accordance with all national and local electrical and construction codes. Failure to comply with the installation instructions can result in serious injury or death.

1 Fitting the Fixing Clip to the desired Surface

(a). Screw fix the Fixing clip to the desired surface.
NOTE: Correct screw must be used to assure that the head is counter sunk within the fixing clip.

2 Spacing the Fixing Clip

(a). Ensure that the Spacing between each Fixing Clip and MaxiLED Globe is 20mm Minimum.

3 Cable Tie the MaxiLED Strand Cable to the Fixing Clip

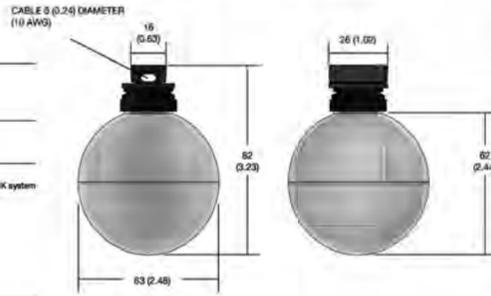
(a). Using the Supplied UV/Weather resistant Cable Tie.
(b). Feed the Cable tie through the Fixing Clip and Secure the MaxiLED Strand Cable

4 Repeat Procedure

(a). Repeat process 1-3 until the installation is complete.



MaxiLED Large Globe Series Dimensions



Specifications	DMX RGBW
Dimming	DMX512 Dimmable (Data Over power)
DMX512 refresh rate:	44Hz
LED Options (Cree XGE Led) RGBW	YES
Electrical specification	
Power Input	48VAC Data Over Power MaxiLINK system
LED Current	100ma
Watts per unit	2.4w
Max. Units per system (1.5mm sq cable)	100 Units
Max distance from 1st to last unit (1.5mm sq cable)	100m (328 Ft)
Lumens RGBW (Flooded)	28 Lumens
Lumens RGBW (Clear)	80 Lumens
Lumen Maintenance 85%:	70,000Hrs
System Cable Distances	
Max. cable 1.5mm sq from MaxiLINK to 1st fitting	15m (49 Ft)
Max. cable 2.5mm sq from MaxiLINK to 1st fitting	75m (246 Ft)
Protection	
IP Rating	IP68
Thermal Protection out at 10°C	YES
Operation Temperature:	-25 to +50
Globe	
Globe lenses:	UV stabilized polycarbonate
Cable Colours	YES
Black (Standard)	YES (on request)
White (Minimum order)	YES (on request)
RAL (Minimum order)	YES (on request)
Dimensions & Weights	
Diameter (mm):	63 mm (2.5 ins)
Height (mm):	82 mm (3.25 ins)
Height Globe (Each Inc. Seal and Clip)	54G (1.79 Ounce)
Weight cable CE (1 Meter)	71G (2.50 Ounce)
Weight cable UL (1 Meter)	56G (1.97 Ounce)
Listings:	UL / cUL, CE, BS-EN60908, IEC 60909

Revision 0.1



MaxiLINK® DMX-512 & Power for RGBW MaxiLED products

Key Features

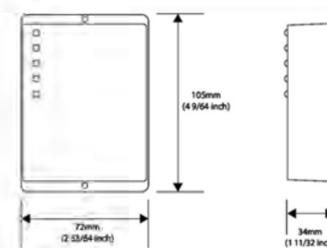
- IP68 rating
- Data over Power - 2 Core cable
- Compact design
- 48VAC



MaxiLINK® is used to control (via DMX-512) and power MaxiLED RGBW products such as the Focal Facade Series, Globe Series, Marker Effects Series, MaxiPLUNCH Series and Spotlight Series.

On the input side, a DMX signal cable from any third party DMX controller or show design software is required, plus a 48VDC power supply is needed. Data and power (48VAC) are then output together to the MaxiLED RGBW products on one cable. A single MaxiLINK® controller is typically dedicated to an individual run (or strand).

Dimensions

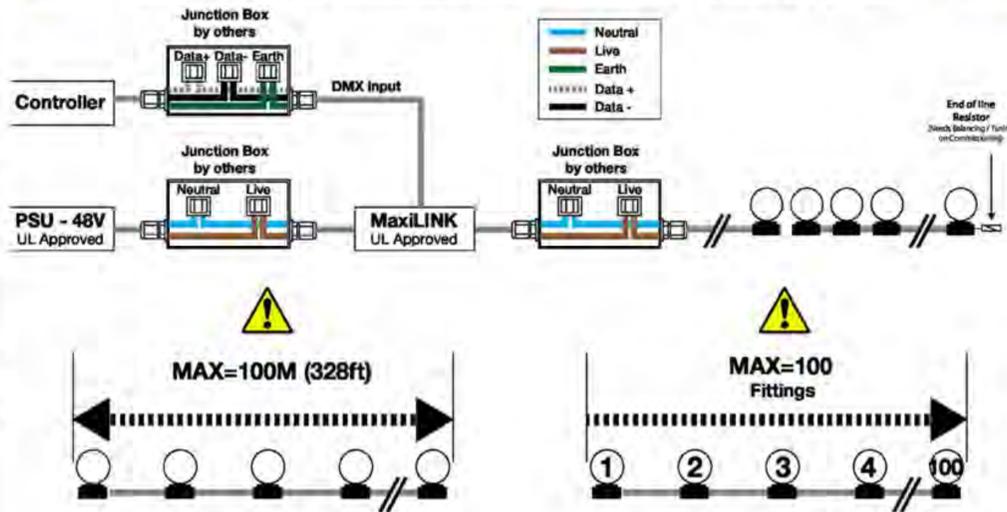


Specifications

Power Input:	48VAC Data Over Power MaxiLINK® system
Power Output:	250 Watts Max. Per circuit
Data Input:	DMX-512
Length:	105mm (4.1/64 inch)
Width:	72mm (2.83/64 inch)
Depth:	34mm (1.33/32 inch)
Fixing:	2 Pre-drilled holes for fixing
Protection:	Short circuit. Open circuit. Over temperature
Weight:	400g (14.1oz)
Connector:	IP68 and self-locking
Control:	DMX512
Operating Temperature:	-25°c to +50°c (-13°F to +122°F)
Listings:	CE
Capacity:	Each MaxiLINK® unit can control up to 100 RGBW control points (400 DMX channels) and power up to 300 ft (100m) of cable.

MaxiLED Large Globe Series Wiring Illustration

Warning: This product must be installed by a qualified electrician in accordance with all national and local electrical and construction codes. Failure to comply with the installation instructions can result in serious injury or death.

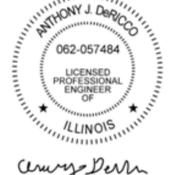


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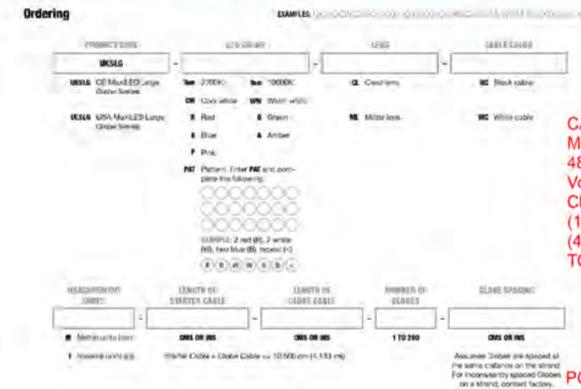
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sheet name
System Spec

sheet number

E-14

C1:(1) x 41-ULSLG-RGBW-CLEAR-BC-7.62m LEADER Before Globes



CANOPY C1
MaxiLED Large Globe Series;
48vdc, RGBW Color, Constant
Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(41) Globes X 2.4W PER
TOTAL CANOPY C1 WATTAGE 98.4w

POINT TO POINT WITH SWAG
(5.57m) 18"
GLOBE 1-41: (4.88) 16"

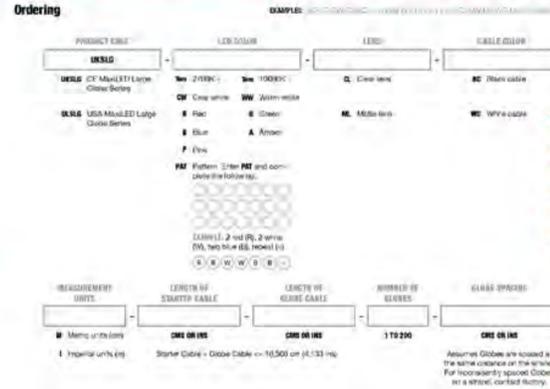
Ordering Definitions and Assistance



LENGTH OF GLOBE CABLE	NUMBER OF GLOBES	GLOBE SPACING
If you know the NUMBER OF GLOBES and the GLOBE SPACING for a strand, you can verify your LENGTH OF GLOBE CABLE.	If you know the LENGTH OF GLOBE CABLE and the GLOBE SPACING, you can verify your NUMBER OF GLOBES.	If you know the LENGTH OF GLOBE CABLE and the NUMBER OF GLOBES for a strand, you can verify your GLOBE SPACING.
A) NUMBER OF GLOBES (MAX) <input type="text"/>	A) LENGTH OF GLOBE CABLE (MAX) <input type="text"/>	A) LENGTH OF GLOBE CABLE (MIN) <input type="text"/>
B) GLOBE SPACING (MAX) <input type="text"/>	B) NUMBER OF GLOBES (MAX) <input type="text"/>	B) NUMBER OF GLOBES (MIN) <input type="text"/>
C) Divide answer A by answer B <input type="text"/>	C) Divide answer A by answer B <input type="text"/>	C) Divide answer A by answer B <input type="text"/>

MaxiLED Lighting
Unit 2, Farrington Place, Rossendale Road Ind. Est. Burnley, Lancashire, UK, BB11 5TY
T: +44 (0)845 8732 601 E: sales@maxiledlighting.com Web: www.maxiledlighting.com

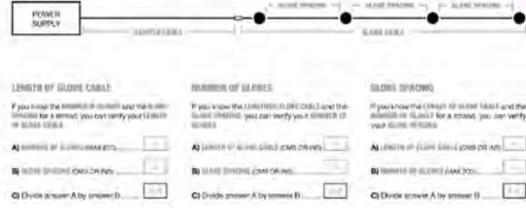
C2:(1) x 80-ULSLG-RGBW-CLEAR-BC-7.62m LEADER Before Globes



CANOPY C2
MaxiLED Large Globe Series;
48vdc, RGBW Color, Constant
Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(80) Globes X 2.4W PER
TOTAL CANOPY C2 WATTAGE 192w

POINT TO POINT WITH SWAG
(4.37m) 14'3.75"
GLOBE 1-80: (3.66m) 12"

Ordering Definitions and Assistance



LENGTH OF GLOBE CABLE	NUMBER OF GLOBES	GLOBE SPACING
If you know the NUMBER OF GLOBES and the GLOBE SPACING for a strand, you can verify your LENGTH OF GLOBE CABLE.	If you know the LENGTH OF GLOBE CABLE and the GLOBE SPACING, you can verify your NUMBER OF GLOBES.	If you know the LENGTH OF GLOBE CABLE and the NUMBER OF GLOBES for a strand, you can verify your GLOBE SPACING.
A) NUMBER OF GLOBES (MAX) <input type="text"/>	A) LENGTH OF GLOBE CABLE (MAX) <input type="text"/>	A) LENGTH OF GLOBE CABLE (MIN) <input type="text"/>
B) GLOBE SPACING (MAX) <input type="text"/>	B) NUMBER OF GLOBES (MAX) <input type="text"/>	B) NUMBER OF GLOBES (MIN) <input type="text"/>
C) Divide answer A by answer B <input type="text"/>	C) Divide answer A by answer B <input type="text"/>	C) Divide answer A by answer B <input type="text"/>

MaxiLED Lighting
Unit 2, Farrington Place, Rossendale Road Ind. Est. Burnley, Lancashire, UK, BB11 5TY
T: +44 (0)845 8732 601 E: sales@maxiledlighting.com Web: www.maxiledlighting.com

C3:(1) x 84-ULSLG-RGBW-CLEAR-BC-7.62m Tail Before Globes



CANOPY C3
MaxiLED Large Globe Series;
48vdc, RGBW Color, Constant
Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(84) Globes X 2.4W PER
TOTAL CANOPY C3 WATTAGE 201.6w

POINT TO POINT WITH SWAG
(5.16m) 16'11"
GLOBE 1-84: (4.27m) 14"

Ordering Definitions and Assistance



LENGTH OF GLOBE CABLE	NUMBER OF GLOBES	GLOBE SPACING
If you know the NUMBER OF GLOBES and the GLOBE SPACING for a strand, you can verify your LENGTH OF GLOBE CABLE.	If you know the LENGTH OF GLOBE CABLE and the GLOBE SPACING, you can verify your NUMBER OF GLOBES.	If you know the LENGTH OF GLOBE CABLE and the NUMBER OF GLOBES for a strand, you can verify your GLOBE SPACING.
A) NUMBER OF GLOBES (MAX) <input type="text"/>	A) LENGTH OF GLOBE CABLE (MAX) <input type="text"/>	A) LENGTH OF GLOBE CABLE (MIN) <input type="text"/>
B) GLOBE SPACING (MAX) <input type="text"/>	B) NUMBER OF GLOBES (MAX) <input type="text"/>	B) NUMBER OF GLOBES (MIN) <input type="text"/>
C) Divide answer A by answer B <input type="text"/>	C) Divide answer A by answer B <input type="text"/>	C) Divide answer A by answer B <input type="text"/>

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client / owner
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project name
FOUNTAIN SQUARE
SOUTH PLAZA IMPROVEMENTS

project address
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seal / signature



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issue date 08.05.25

sheet name
System Spec

sheet number

E-15





Hoffman A24H2408ALLP, Wall-Mount Encl, Type 4, 24.00x24.00x8.00

★★★★★ | Questions & Answers (0)

[Shop All Hoffman Aluminum Wall-Mount Enclosures](#)

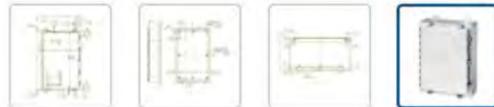
Product Description

Hoffman A24H2408ALLP, Wall-Mount Encl, Type 4, 24.00x24.00x8.00

Lightweight enclosure protects components and controls in corrosive indoor or outdoor environments such as traffic, outside plant, telecommunications and marine environments.

Features:

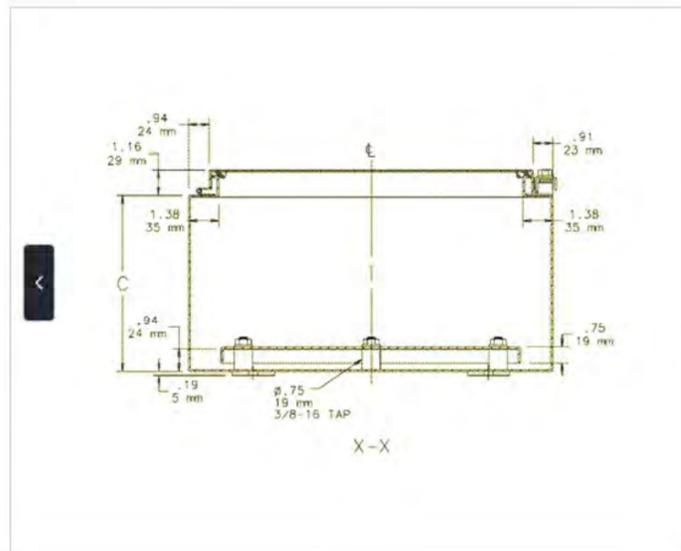
- Type 5052 H-32 aluminum
- Seams continuously welded and ground smooth
- Rolled lip around three sides of door and all sides of enclosure opening
- Stainless steel door clamp assemblies
- Door is easily removed by pulling stainless steel continuous hinge pin
- Data pocket is high-impact thermoplastic
- Hasp and staple for padlocking
- Panel screws are plated
- Tapped pads provided for mounting optional panels
- Oil-resistant gasket



Width	24 in
Depth	8 in
Height	24 in
Dimension F	3 in
A x B x C	24.00 x 24.00 x 8.00 in
Panel Size (D x E)	21.00 x 21.00 in
Data Pocket Size	6.00 x 6.00 in

Product Details

Number of Panel Mounting Studs	4
Enclosure Type	4X
Material	Aluminum
Conductive Panel	A24P24G
Description	Continuous Hinge With Clamps
Package Quantity	1
Manufacturers Part Number	A24H2408ALLP
Steel Panel	A24P24
Aluminum Panel	A24P24AL
Number of Clamps	5
Brand	Hoffman



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engineer
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sheet name
System Spec

sheet number
E-16





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ANTHONY J. DeRICO
062-057484
LICENSED PROFESSIONAL ENGINEER
OF ILLINOIS
Anthony DeRico

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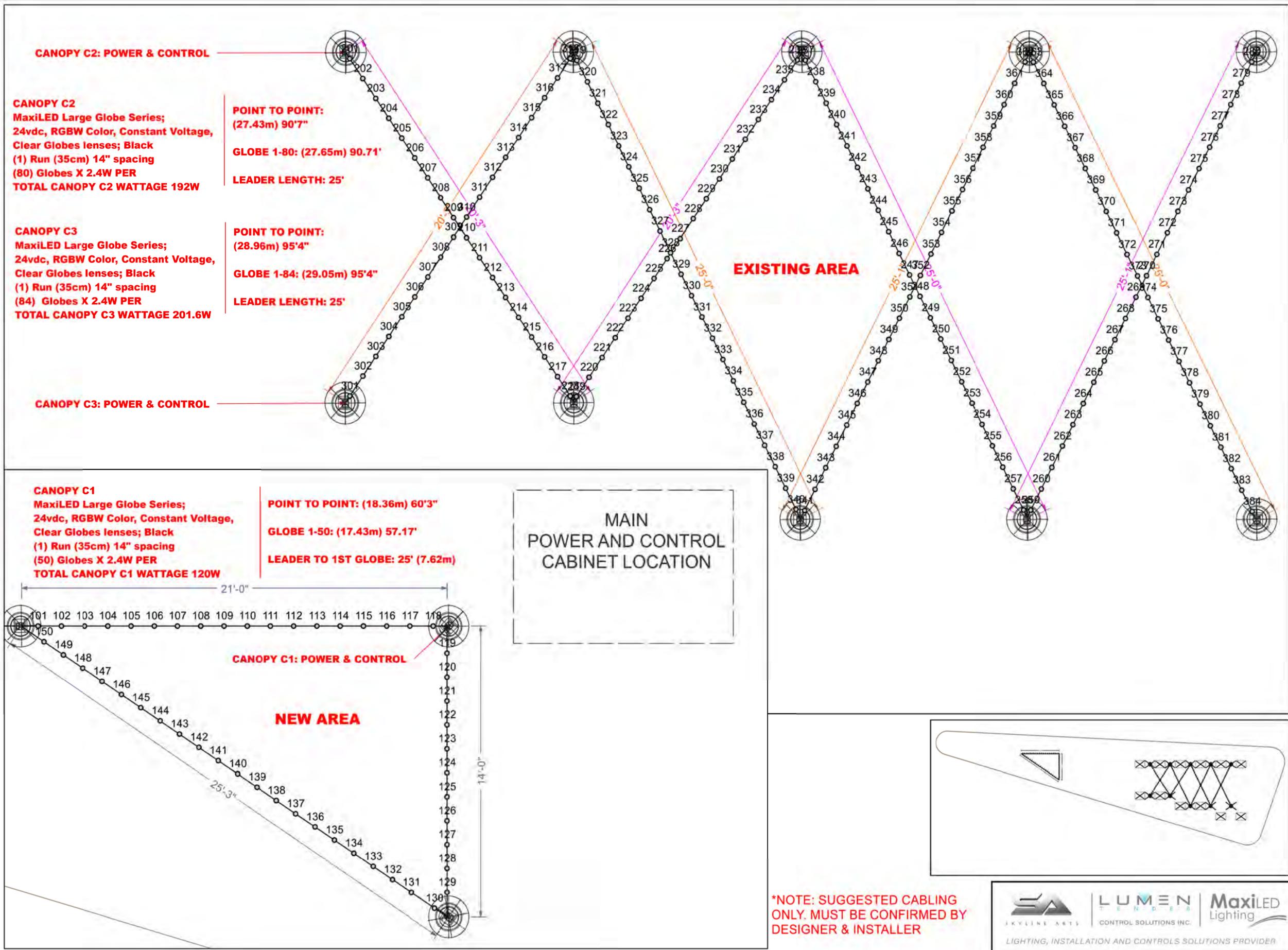
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sheet name
System Spec

sheet number
E-17



CANOPY C2: POWER & CONTROL

CANOPY C2
MaxiLED Large Globe Series;
24vdc, RGBW Color, Constant Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(80) Globes X 2.4W PER
TOTAL CANOPY C2 WATTAGE 192W

POINT TO POINT:
(27.43m) 90'7"
GLOBE 1-80: (27.65m) 90.71'
LEADER LENGTH: 25'

CANOPY C3
MaxiLED Large Globe Series;
24vdc, RGBW Color, Constant Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(84) Globes X 2.4W PER
TOTAL CANOPY C3 WATTAGE 201.6W

POINT TO POINT:
(28.96m) 95'4"
GLOBE 1-84: (29.05m) 95'4"
LEADER LENGTH: 25'

CANOPY C1
MaxiLED Large Globe Series;
24vdc, RGBW Color, Constant Voltage,
Clear Globes lenses; Black
(1) Run (35cm) 14" spacing
(50) Globes X 2.4W PER
TOTAL CANOPY C1 WATTAGE 120W

POINT TO POINT: (18.36m) 60'3"
GLOBE 1-50: (17.43m) 57.17'
LEADER TO 1ST GLOBE: 25' (7.62m)

MAIN
POWER AND CONTROL
CABINET LOCATION

***NOTE: SUGGESTED CABLING ONLY. MUST BE CONFIRMED BY DESIGNER & INSTALLER**





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project address
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owner / developer
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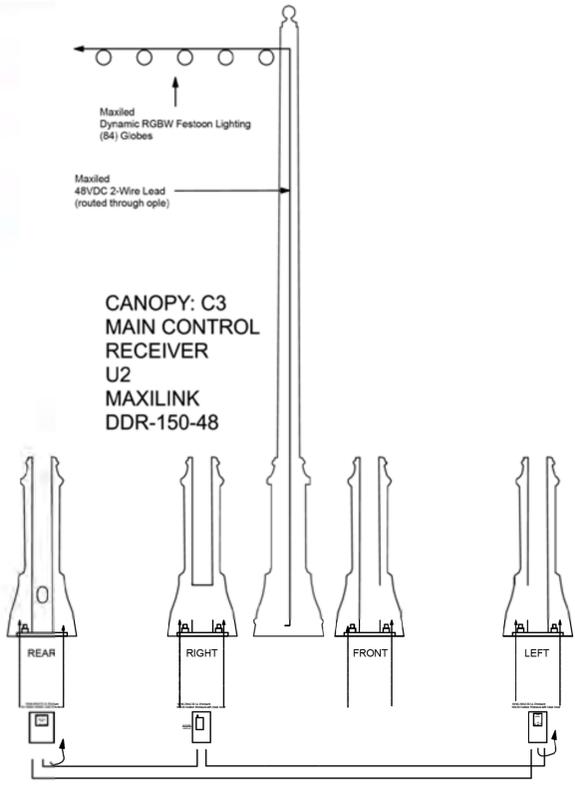
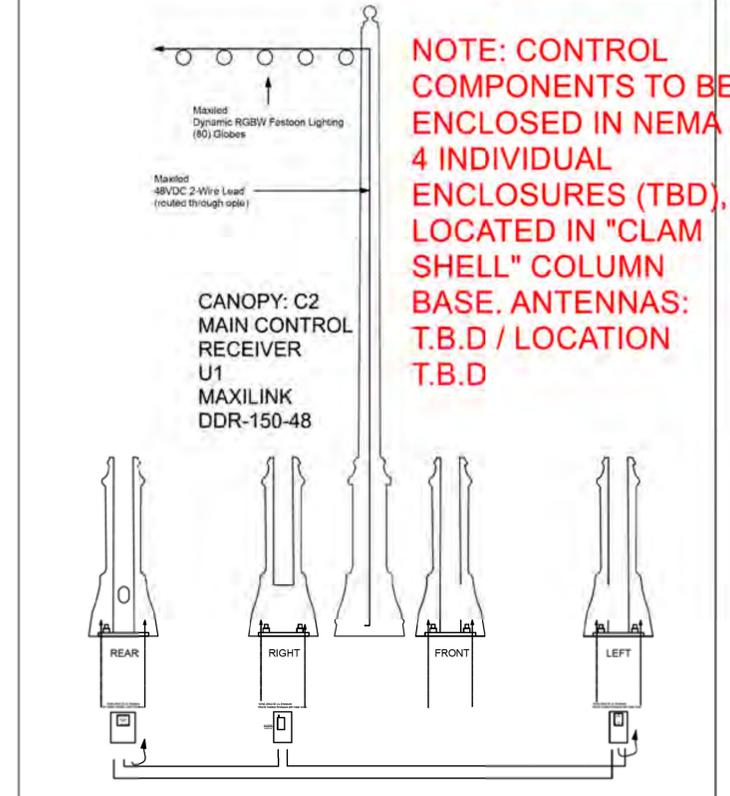
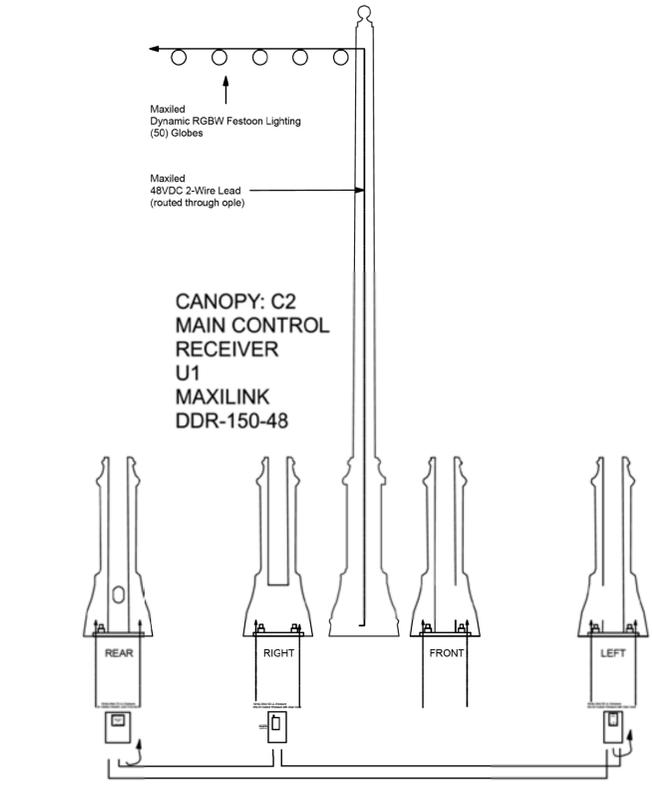
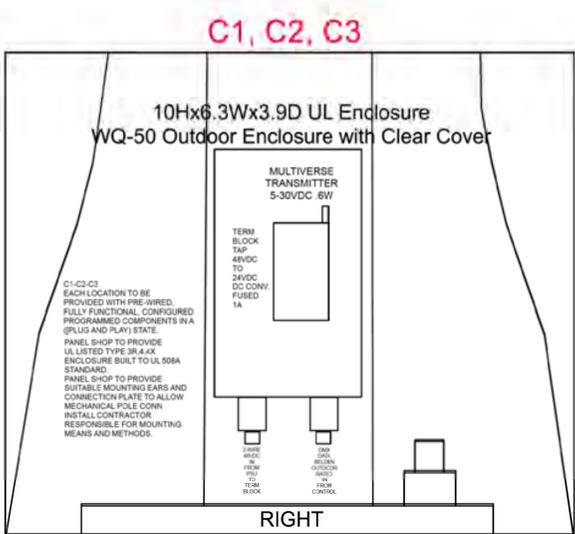
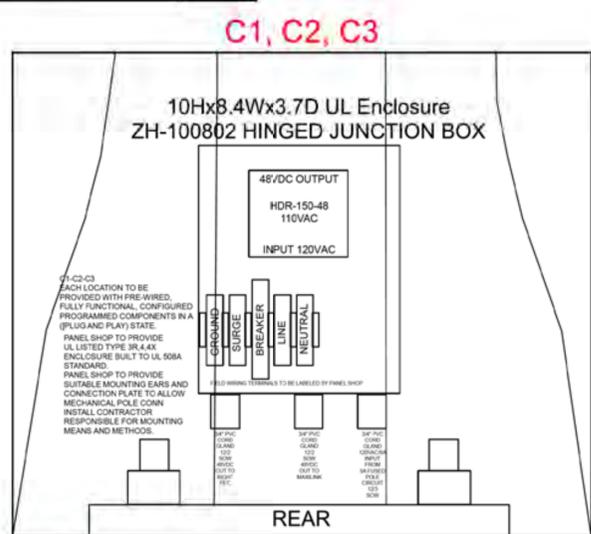
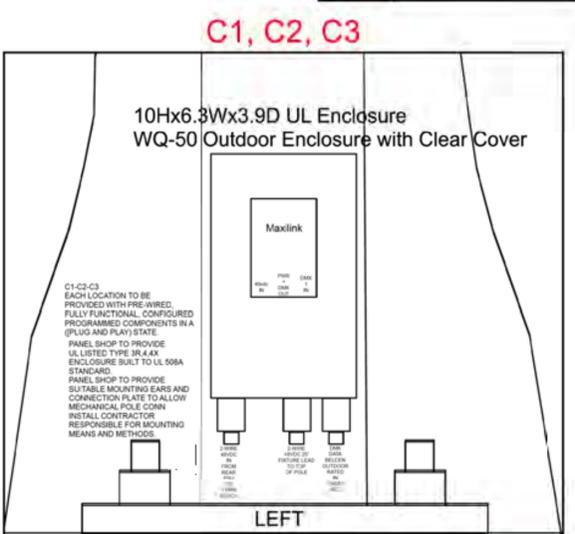
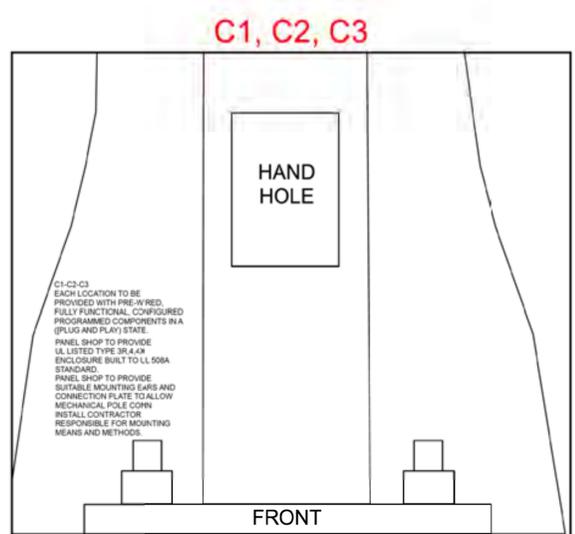
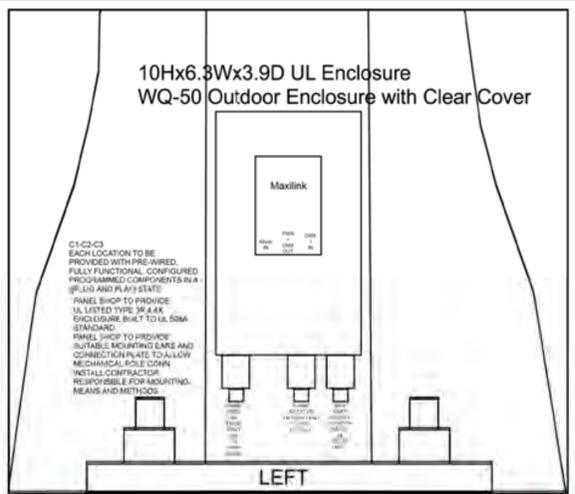
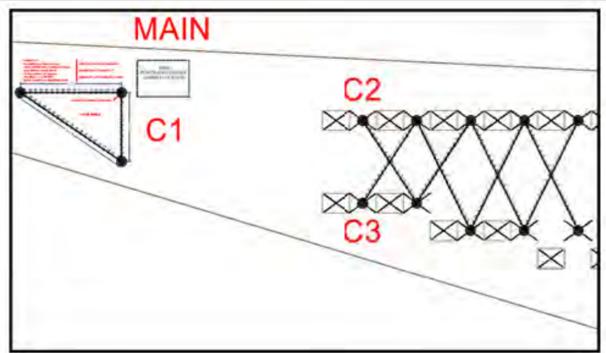
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issue date 08.05.25

sheet name
CONTROL LAYOUT PRELIM

sheet number
E-19



NOTE: CONTROL COMPONENTS TO BE ENCLOSED IN NEMA 4 INDIVIDUAL ENCLOSURES (TBD), LOCATED IN "CLAM SHELL" COLUMN BASE. ANTENNAS: T.B.D / LOCATION T.B.D



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sheet name
Main Control Detail

sheet number

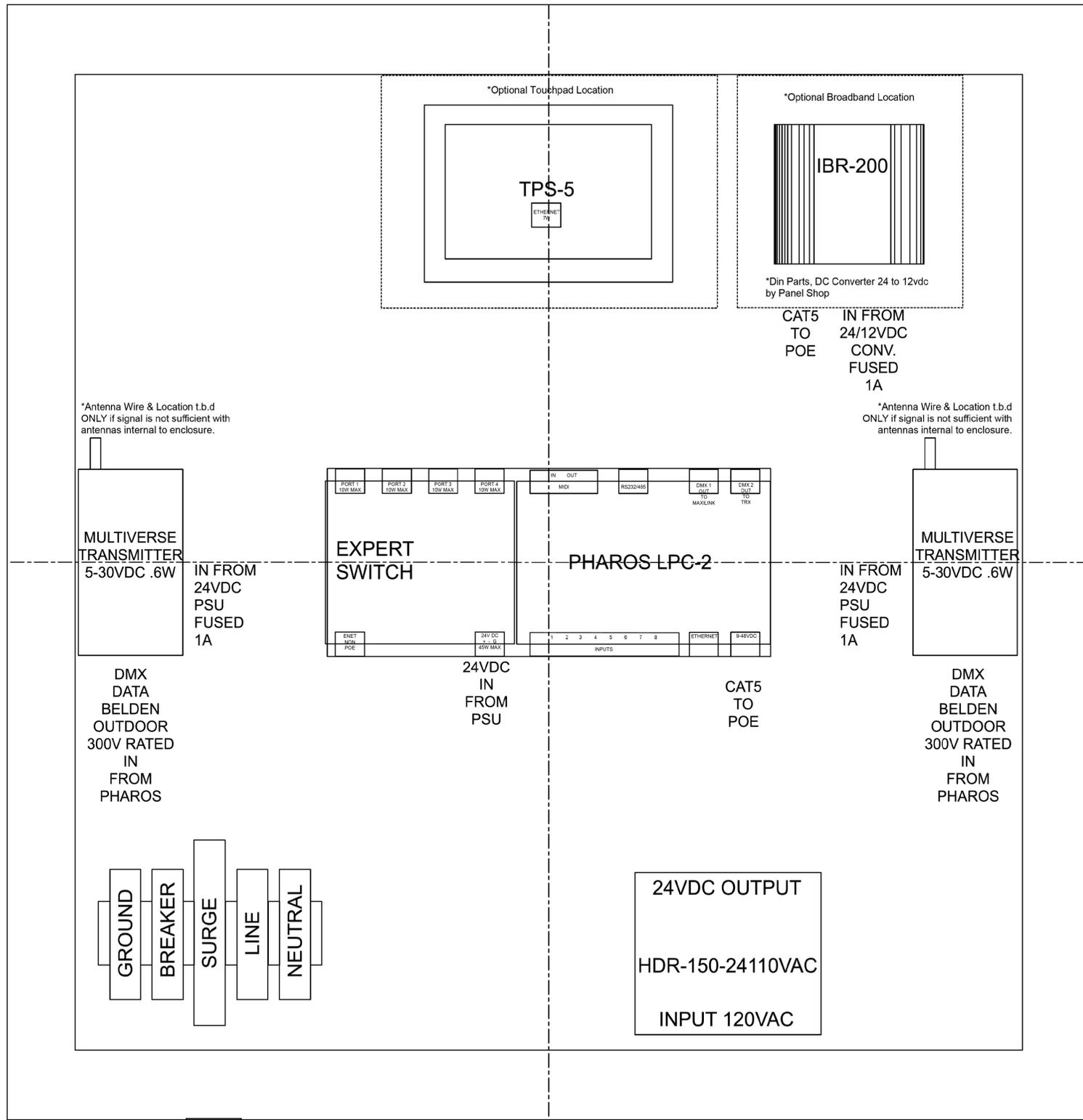
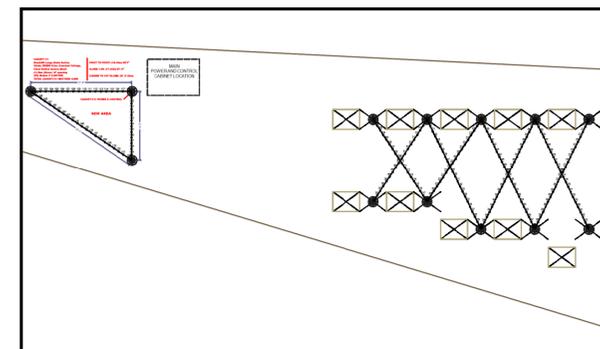
E-20

MAIN CONTROLS
LOCATION TO BE
PROVIDED WITH PRE-WIRED,
FULLY FUNCTIONAL, CONFIGURED
PROGRAMMED COMPONENTS IN A
(PLUG AND PLAY) STATE.

PANEL SHOP TO PROVIDE
UL LISTED TYPE 3R,4,4X
ENCLOSURE BUILT TO UL 508A
STANDARD.
PANEL SHOP TO PROVIDE
SUITABLE MOUNTING EARS
TO ALLOW MECHANICAL CONN
TO UNISTRUT OR OTHER.
INSTALL CONTRACTOR
RESPONSIBLE FOR MOUNTING
MEANS AND METHODS.

Hoffman A24H2408ALLP
Wall-Mount Encl,
Type 4, 24.00x24.00x8.00
MOUNTED
TO BACK OF
MAIN POWER
CABINET.
PENETRATE ONLY
FROM BOTTOM
NOTE:
SHIPPED FULLY
ASSEMBLED
FROM PANEL SHOP

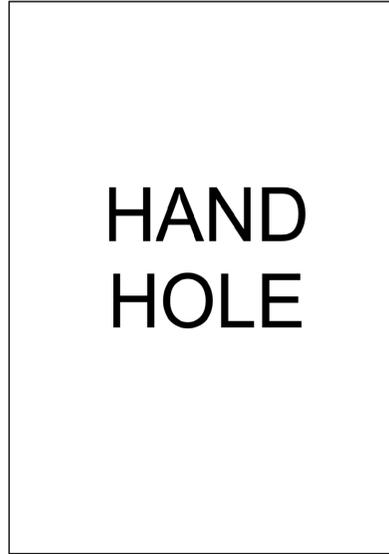
1. Din Parts by
UL 508A PANEL SHOP
2. Panel Shall be
UL Listed 508A
Industrial Control Panel



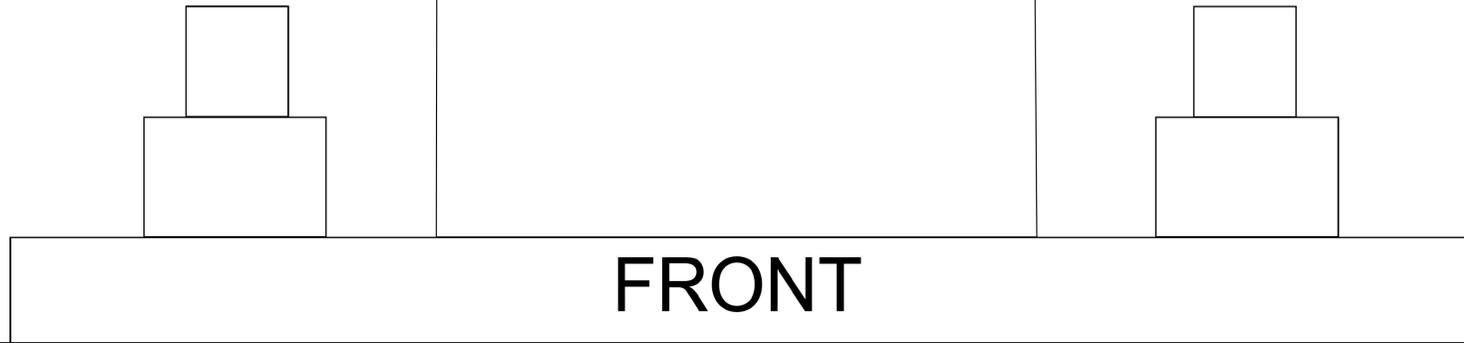
MAIN CONTROL LOCATION ON REAR OF FIELD PANEL

8/13/2025 N:\EVANSTON\240636\Mech\IE-20_240636.SHT

C1,C2,C3



C1-C2-C3
EACH LOCATION TO BE PROVIDED WITH PRE-WIRED, FULLY FUNCTIONAL, CONFIGURED PROGRAMMED COMPONENTS IN A ([PLUG AND PLAY) STATE.
PANEL SHOP TO PROVIDE UL LISTED TYPE 3R,4,4X ENCLOSURE BUILT TO UL 508A STANDARD.
PANEL SHOP TO PROVIDE SUITABLE MOUNTING EARS AND CONNECTION PLATE TO ALLOW MECHANICAL POLE CONN
INSTALL CONTRACTOR RESPONSIBLE FOR MOUNTING MEANS AND METHODS.



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sheet name
Pole C1,2,3
Front Detail

sheet number

E-21



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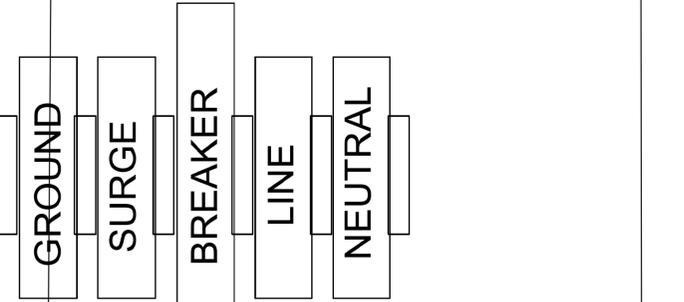
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Pole C1,2,3
Rear Detail

sheet number
E-22

C1,C2,C3

10Hx8.4Wx3.7D UL Enclosure ZH-100802 HINGED JUNCTION BOX

48VDC OUTPUT
HDR-150-48
110VAC
INPUT 120VAC



3/4" PVC
CORD
GLAND
12/2
SOW
48VDC
OUT TO
RIGHT
REC

3/4" PVC
CORD
GLAND
12/2
SOW
48VDC
OUT TO
MAXILINK

3/4" PVC
CORD
GLAND
120VAC/6A
INPUT
FROM
6A FUSED
POLE
CIRCUIT
12/3
SOW

REAR

C1-C2-C3
EACH LOCATION TO BE PROVIDED WITH PRE-WIRED, FULLY FUNCTIONAL, CONFIGURED PROGRAMMED COMPONENTS IN A (PLUG AND PLAY) STATE.
PANEL SHOP TO PROVIDE UL LISTED TYPE 3R,4,4X ENCLOSURE BUILT TO UL 508A STANDARD.
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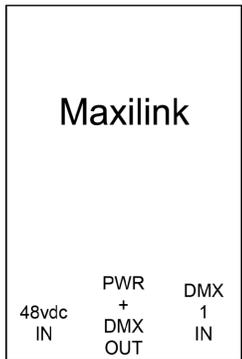
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Pole C1,2,3
Left Detail

sheet number

E-23

C1,C2,C3

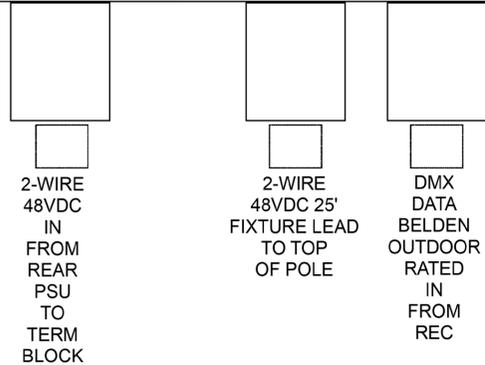
10Hx6.3Wx3.9D UL Enclosure WQ-50 Outdoor Enclosure with Clear Cover



C1-C2-C3
EACH LOCATION TO BE PROVIDED WITH PRE-WIRED, FULLY FUNCTIONAL, CONFIGURED PROGRAMMED COMPONENTS IN A (PLUG AND PLAY) STATE.

PANEL SHOP TO PROVIDE UL LISTED TYPE 3R,4,4X ENCLOSURE BUILT TO UL 508A STANDARD.

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LEFT



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9575 WEST HIGGINS ROAD SUITE 600
ROSEMONT, IL 60018
p 847.869.2015 f 847.869.2059

BID SUBMITTAL
Not for Construction

issue / revision	date	description
△	08/05/25	BID SUBMITTAL
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pm GAH cad JAD

issue date 08.05.25

sheet name
Pole C1,2,3
Right Detail

sheet number

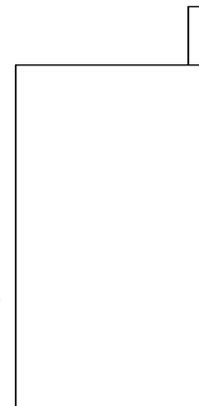
E-24

C1,C2,C3

10Hx6.3Wx3.9D UL Enclosure WQ-50 Outdoor Enclosure with Clear Cover

MULTIVERSE
TRANSMITTER
5-30VDC .6W

TERM
BLOCK
TAP
48VDC
TO
24VDC
DC CONV.
FUSED
1A



C1-C2-C3
EACH LOCATION TO BE
PROVIDED WITH PRE-WIRED,
FULLY FUNCTIONAL, CONFIGURED
PROGRAMMED COMPONENTS IN A
(PLUG AND PLAY) STATE.
PANEL SHOP TO PROVIDE
UL LISTED TYPE 3R,4,4X
ENCLOSURE BUILT TO UL 508A
STANDARD.
PANEL SHOP TO PROVIDE
SUITABLE MOUNTING EARS AND
CONNECTION PLATE TO ALLOW
MECHANICAL POLE CONN
INSTALL CONTRACTOR
RESPONSIBLE FOR MOUNTING
MEANS AND METHODS.

2-WIRE
48VDC
IN
FROM
PSU
TO
TERM
BLOCK

DMX
DATA
BELDEN
OUTDOOR
RATED
IN
FROM
CONTROL

RIGHT