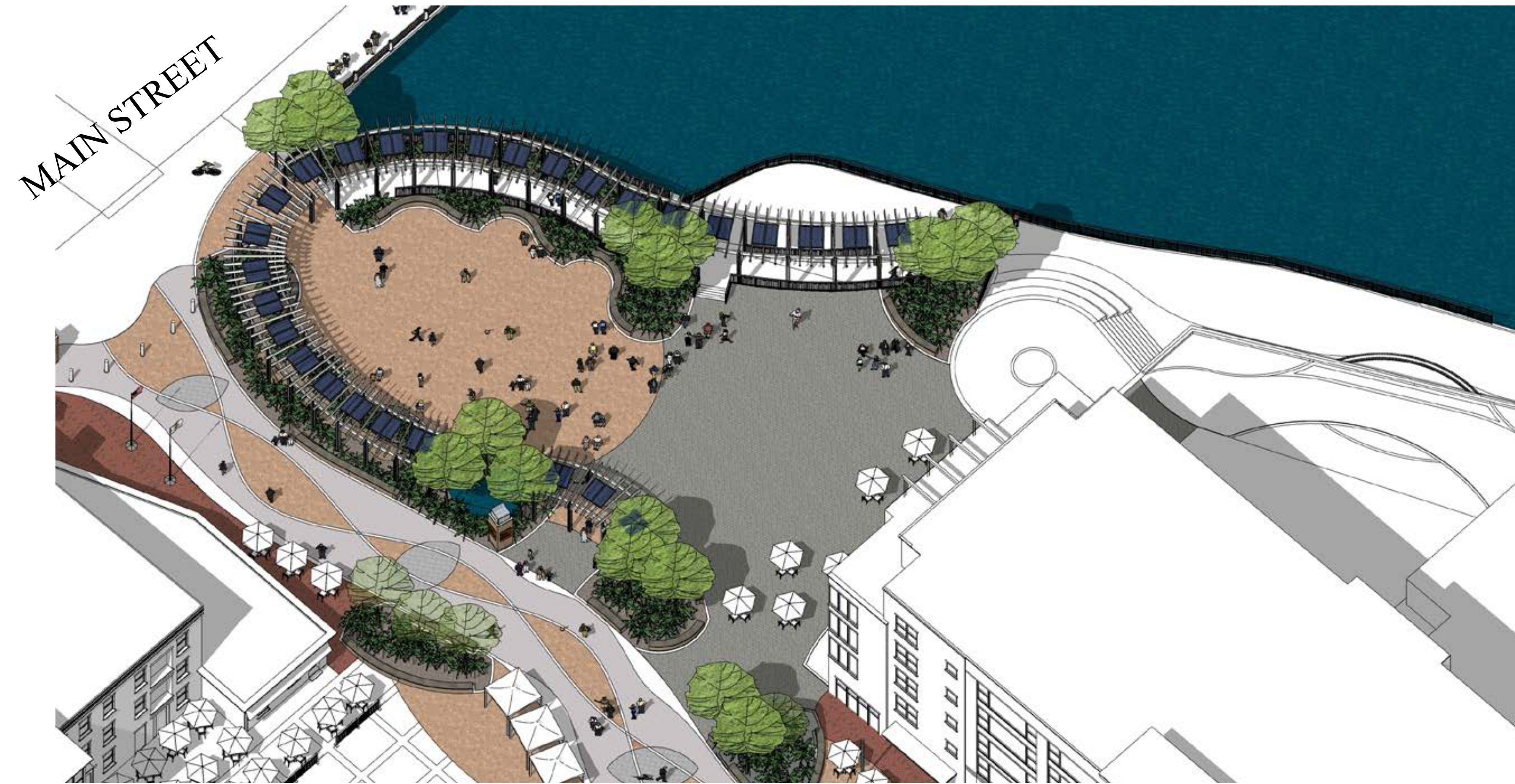


*“A unique gathering place that celebrates the natural beauty and heritage of St. Charles”*



**First Street Plaza emphasizes cultural continuity, urban regeneration, environmental responsibility and community engagement.**

**FIRST STREET PLAZA**

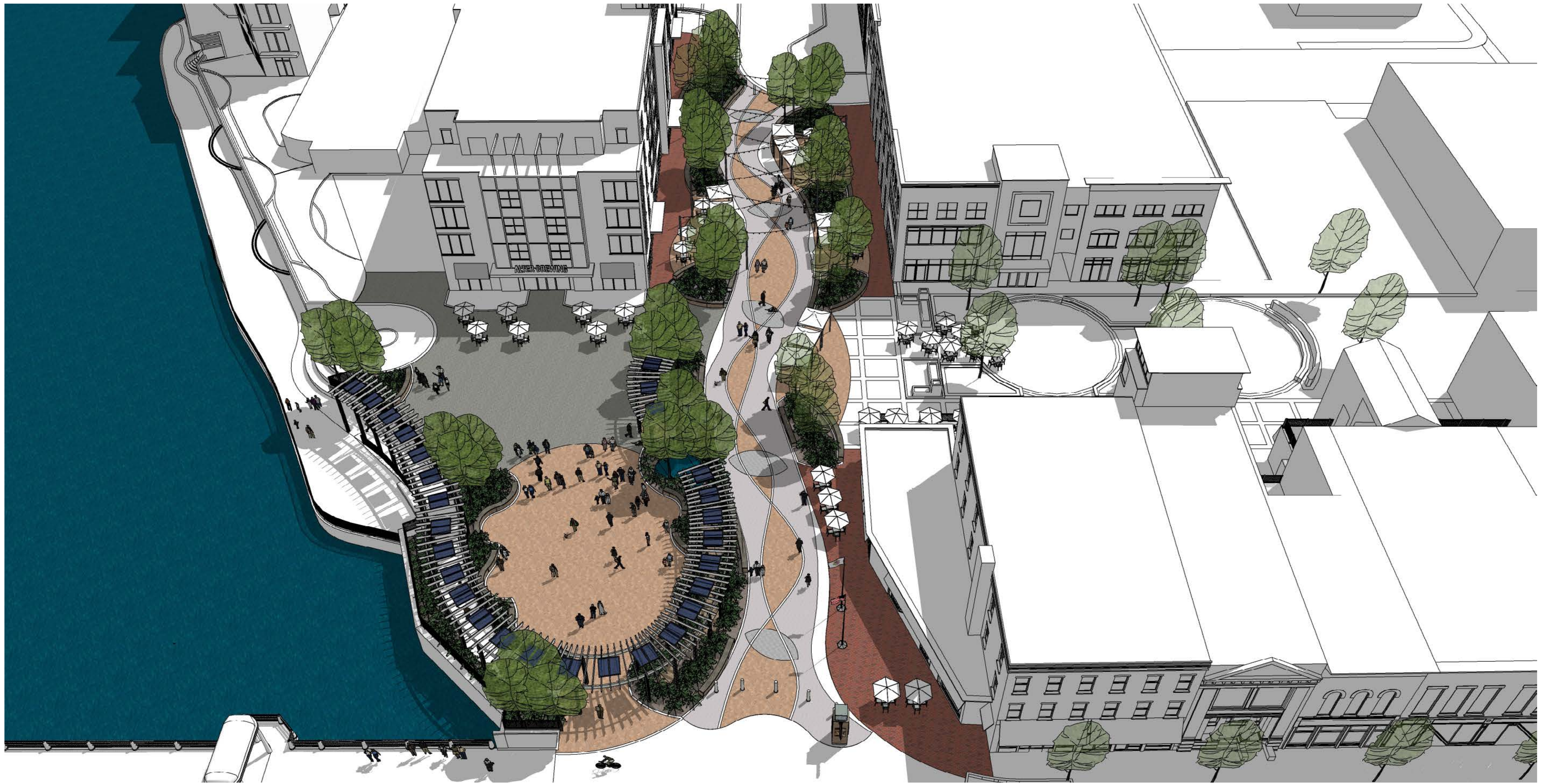
ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT

SERENA STURM<sup>EE</sup>  
ARCHITECTS





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT





# FIRST STREET PLAZA

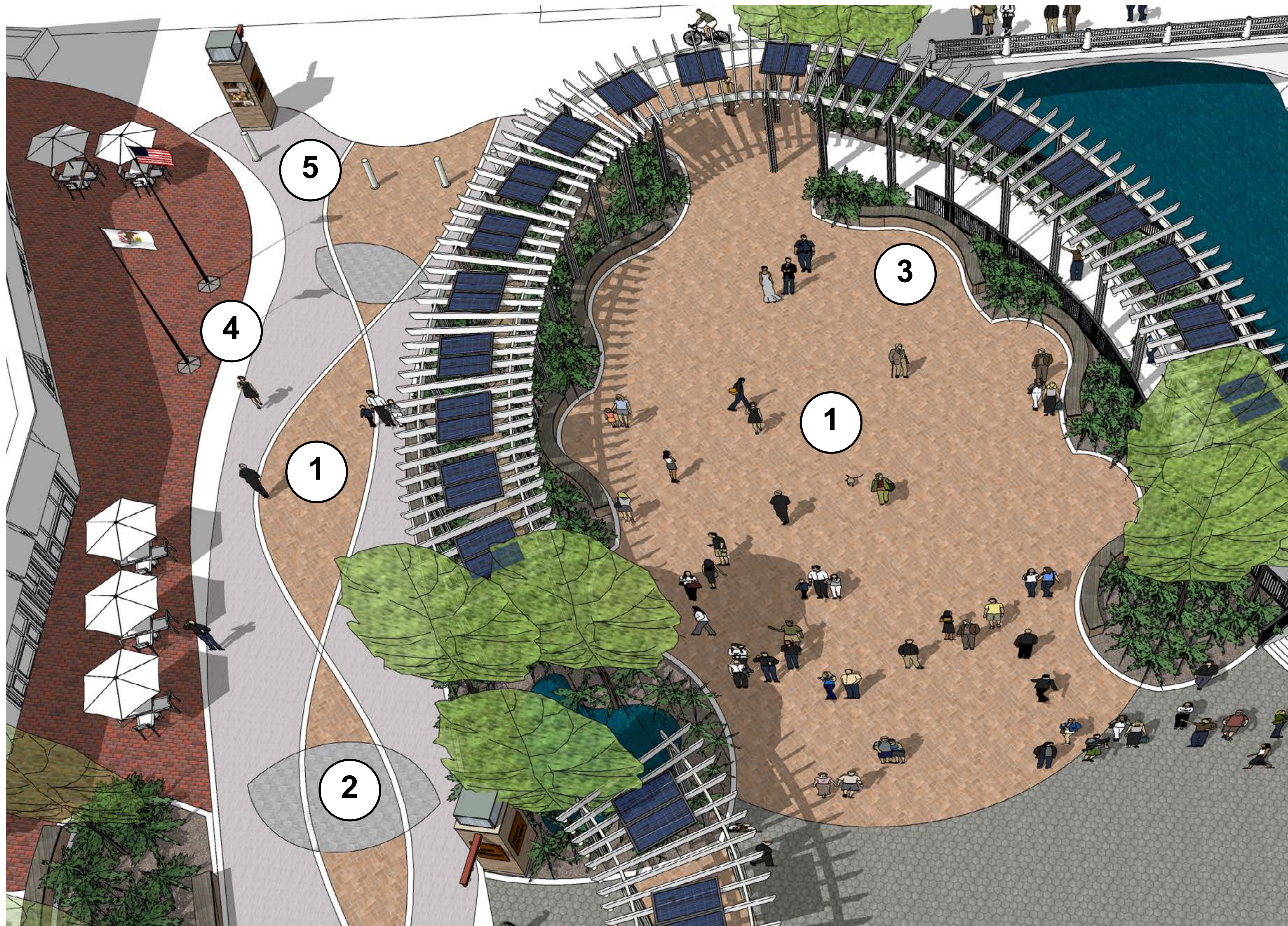
ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT







1 Mid-Range Brick Areas

---

2 Leaf Brick Areas

---

3 Stone Bench Areas

---

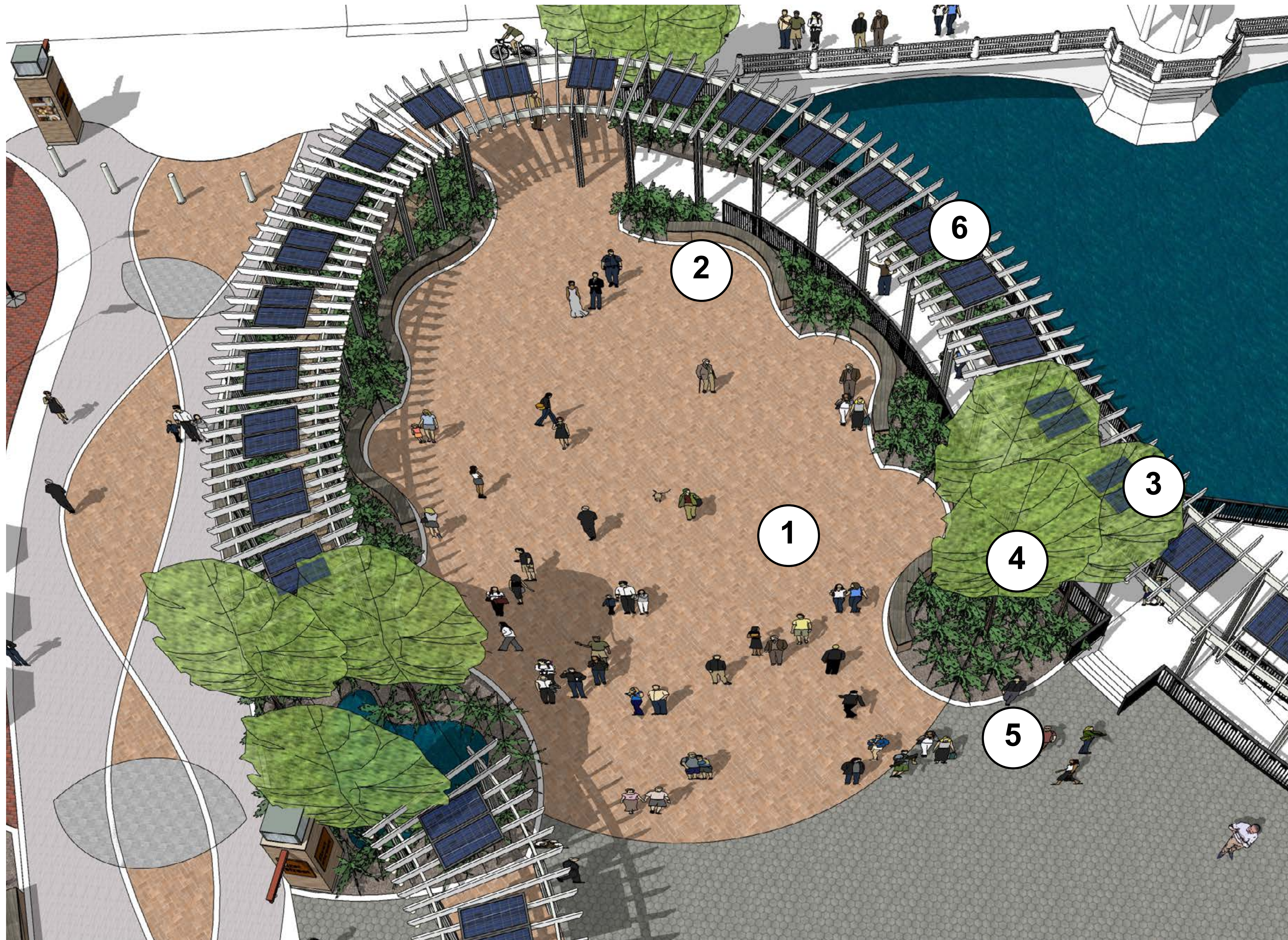
4 Flag Poles

---

5 Information Displays

---





1 Mid-Range Brick Areas

2 Stone Bench Areas

3 Shade Trees

4 Ornamental Trees

5 Planters

6 Arbor





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT







# FIRST STREET PLAZA

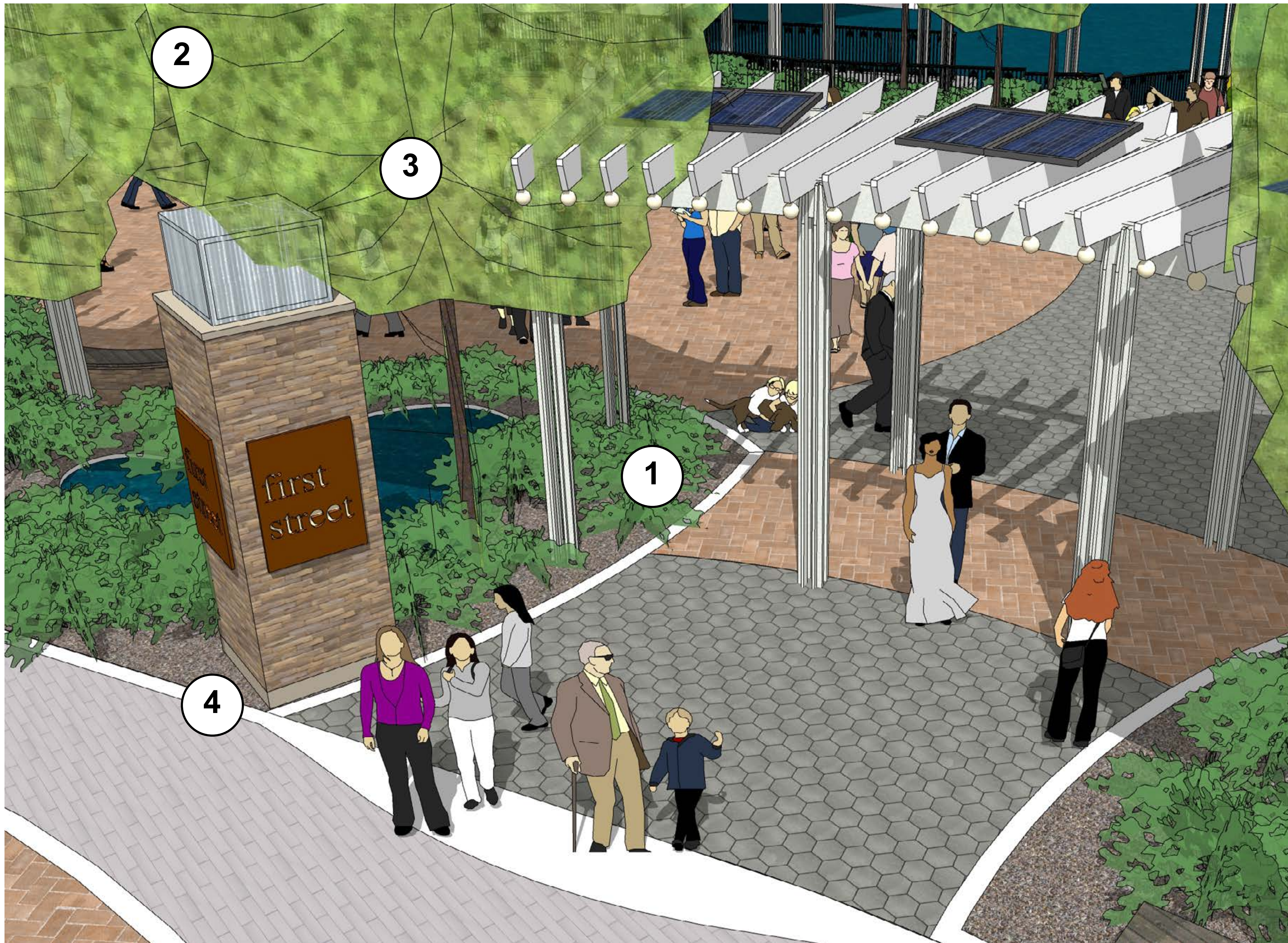
ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT







1 Planter Areas

2 Shade Trees

3 Ornamental Trees

4 Information Displays





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT

SERENA STURM<sup>EE</sup>  
ARCHITECTS





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT







# FIRST STREET PLAZA

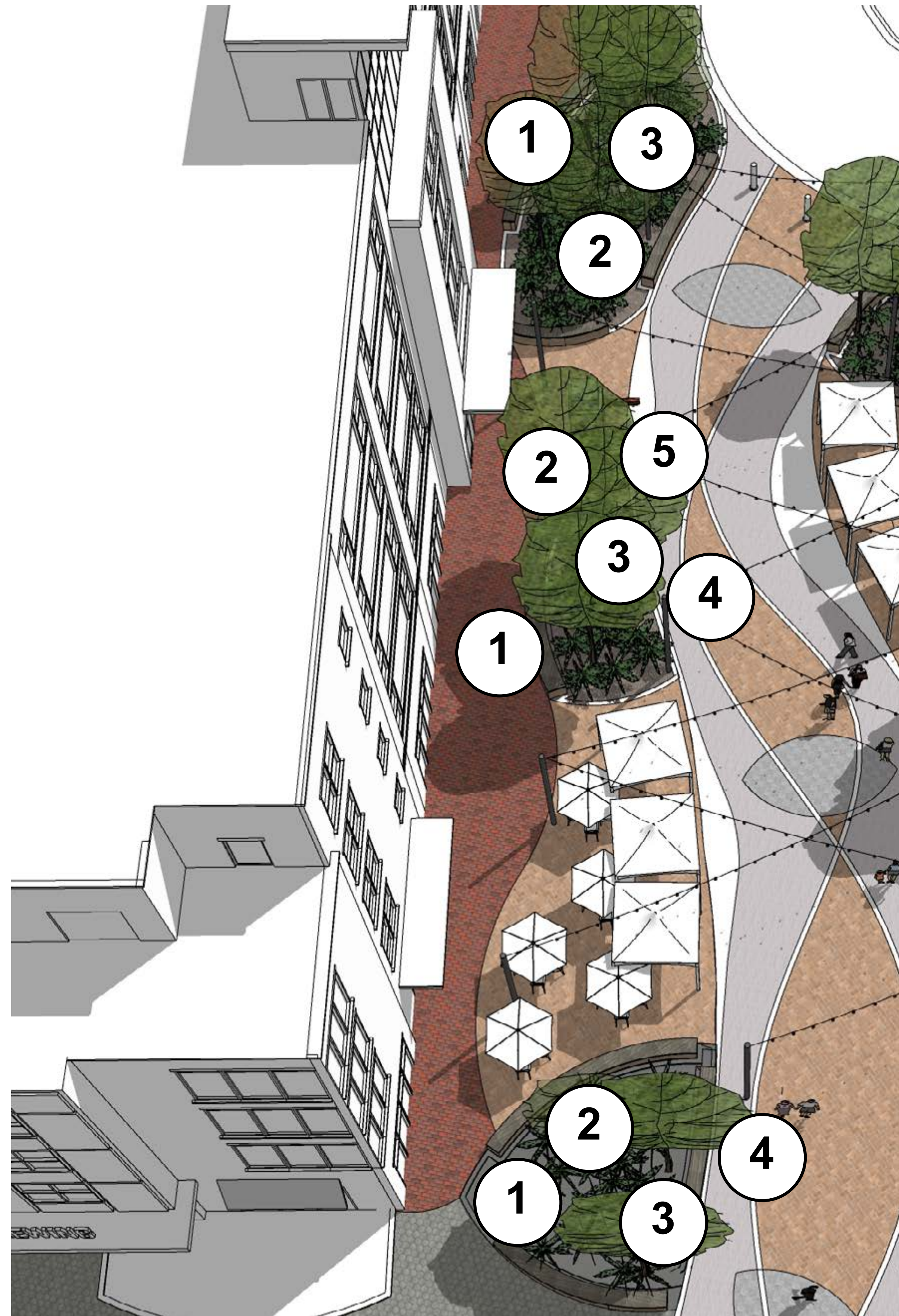
ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT







1 Planter Areas

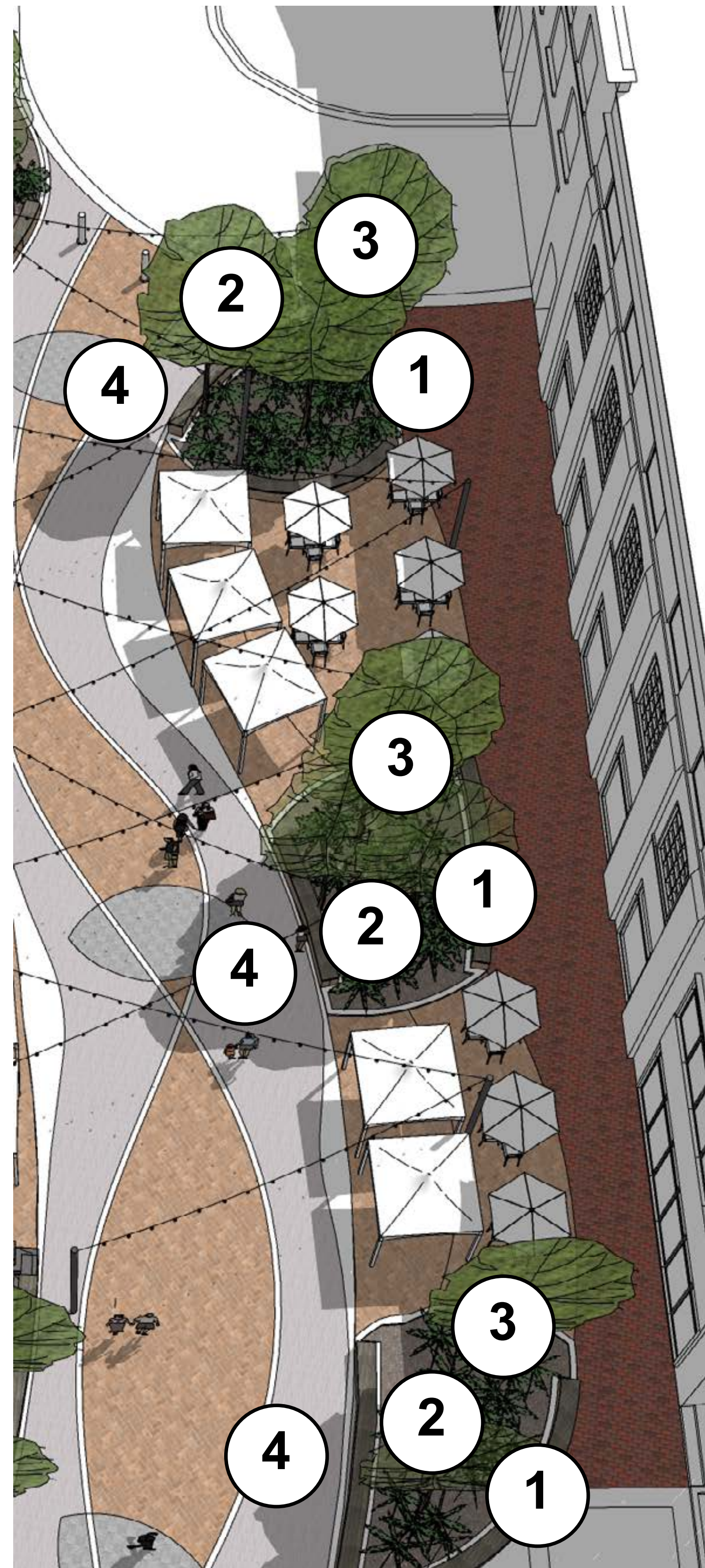
2 Shade Trees

3 Ornamental Trees

4 Stone Bench Areas

5 Information Displays





1 Planter Areas

2 Shade Trees

3 Ornamental Trees

4 Stone Bench Areas





# FIRST STREET PLAZA

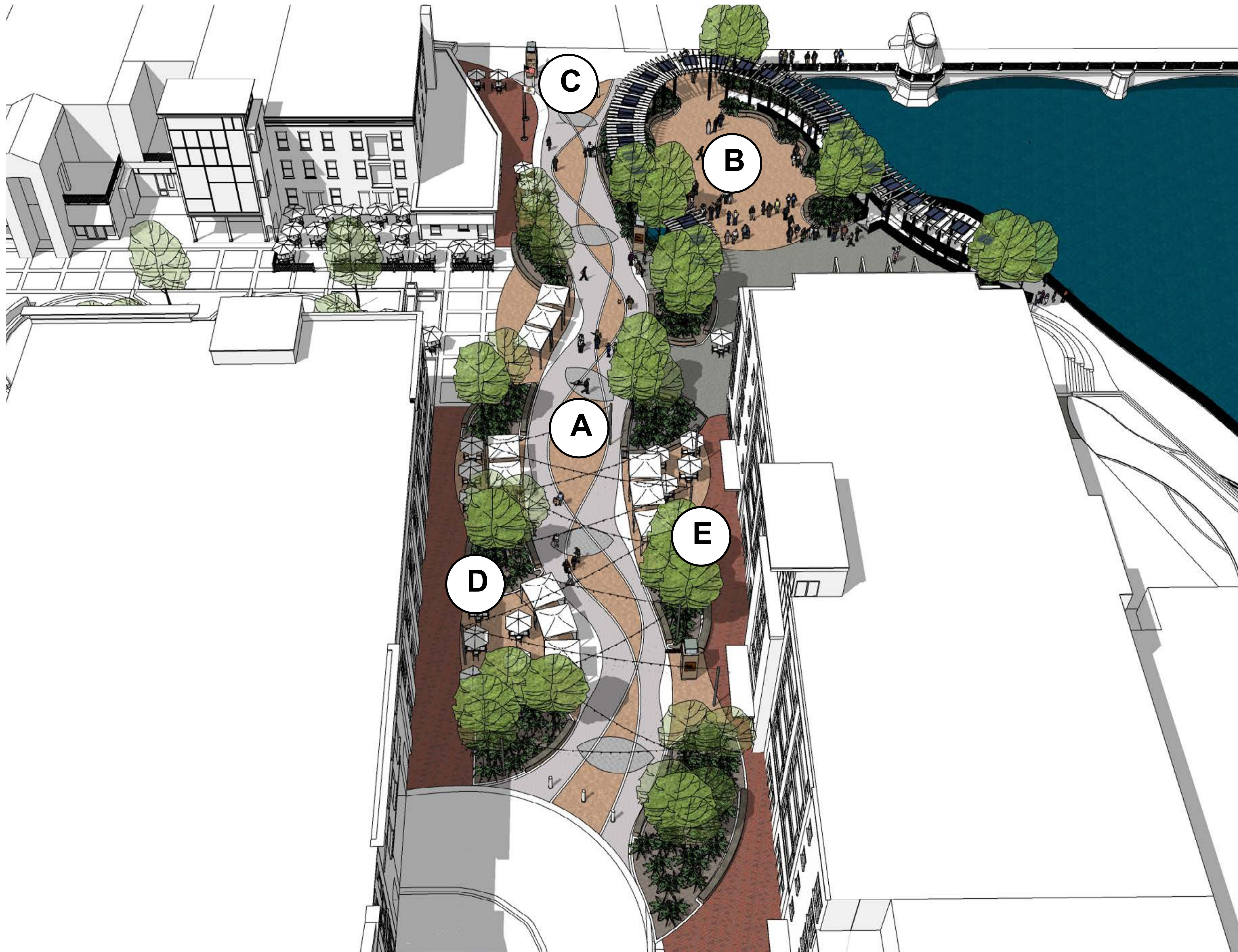
ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT







**A** First Street Walkabout



**B** Community Gathering



**C** North Entryway



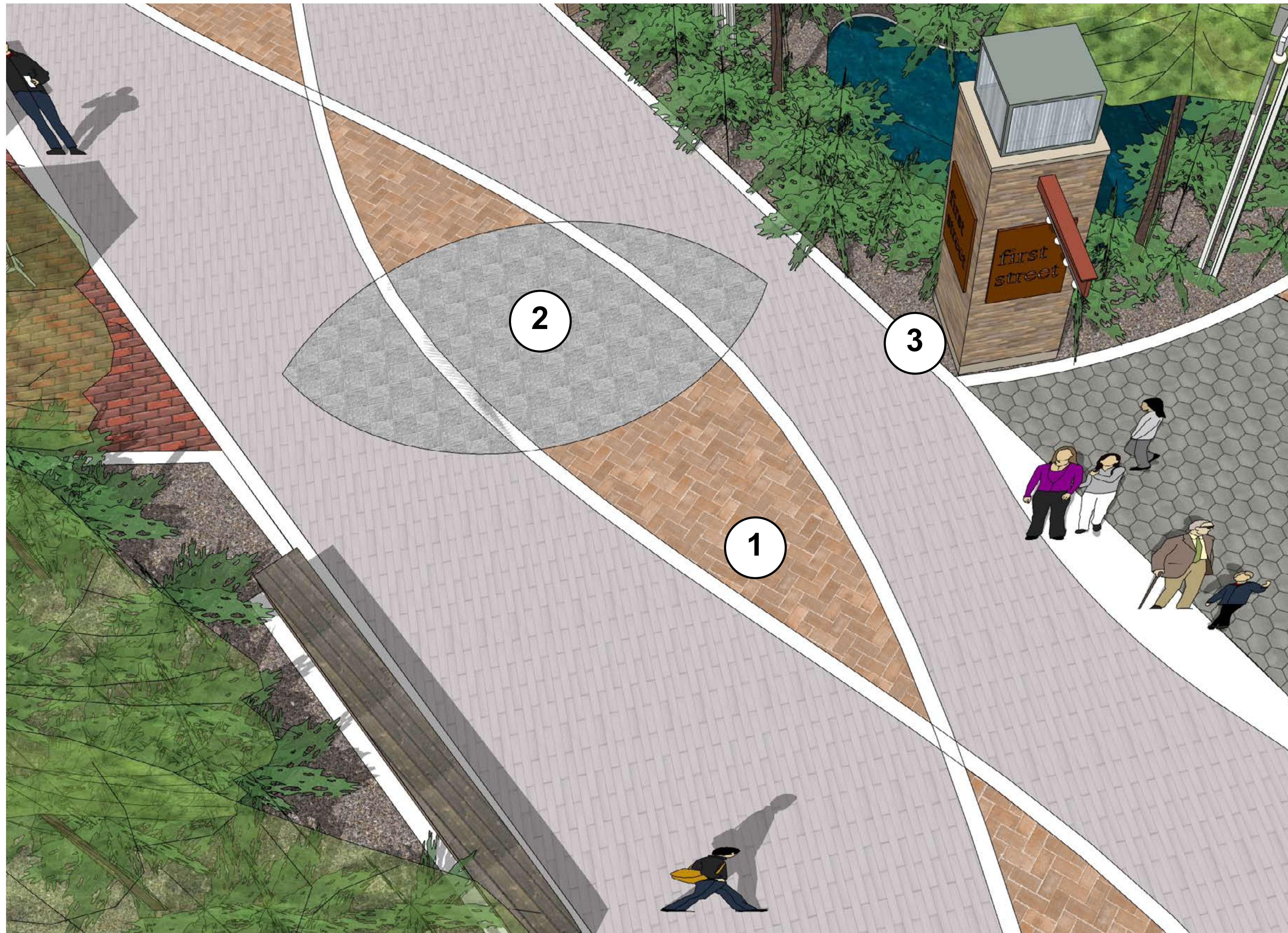
**D** Walkabout West



**E** Walkabout East







1 Mid-Range Brick Areas

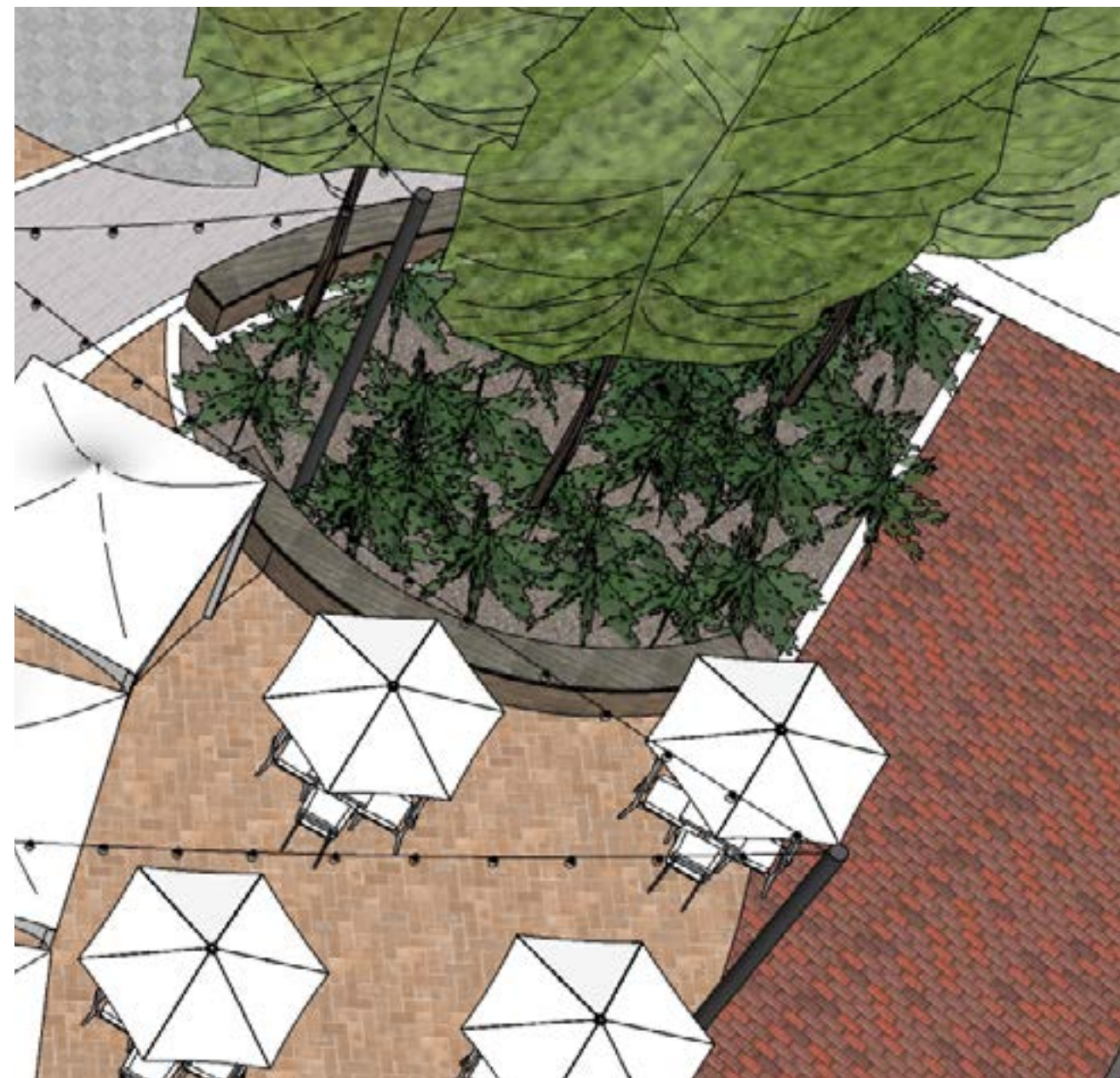
2 Leaf Brick Areas

3 Information Displays





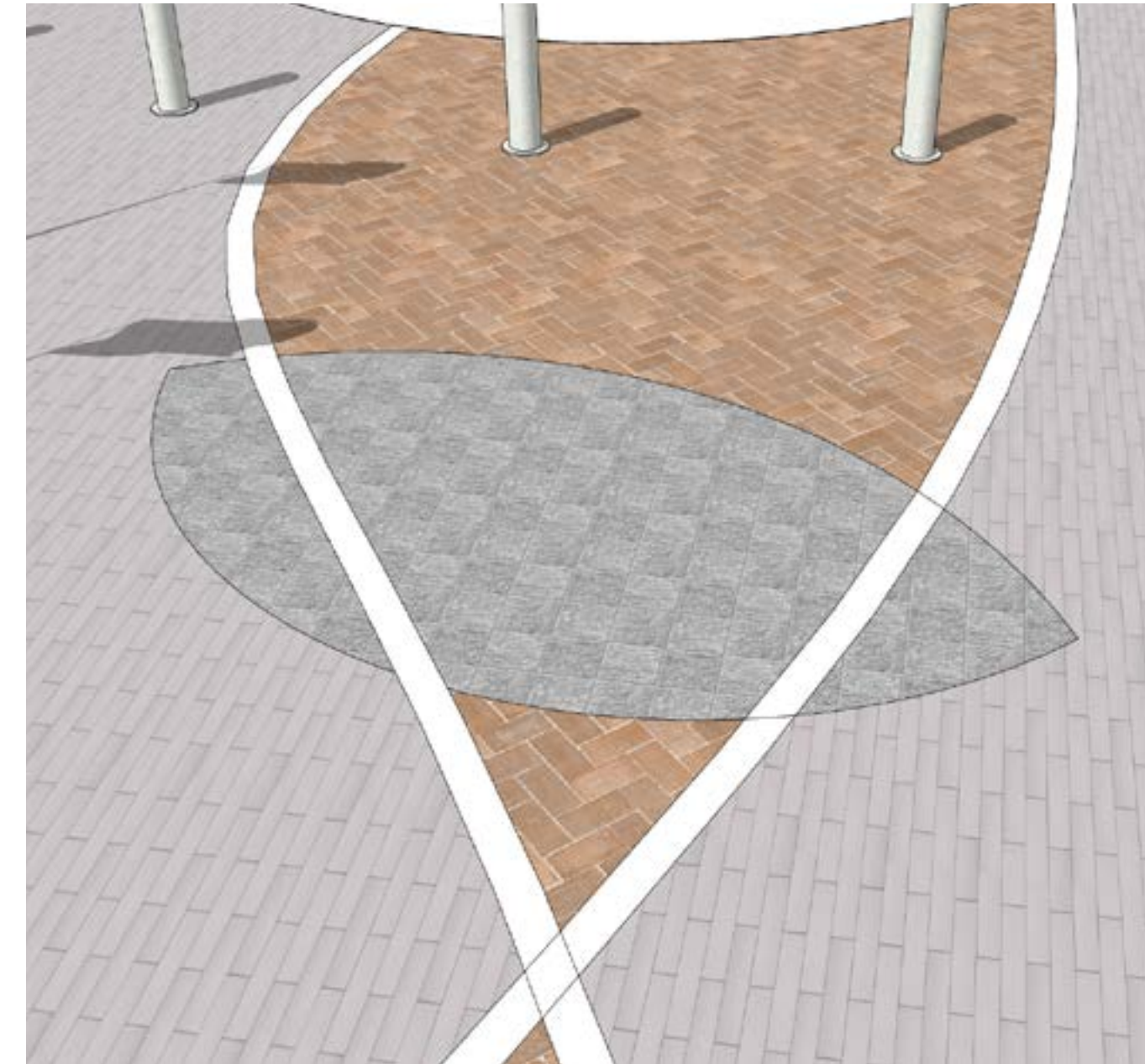
Arbor/Trellis/PV



Planter Areas



Information Display/  
Stone Bench



Leaf Pavers



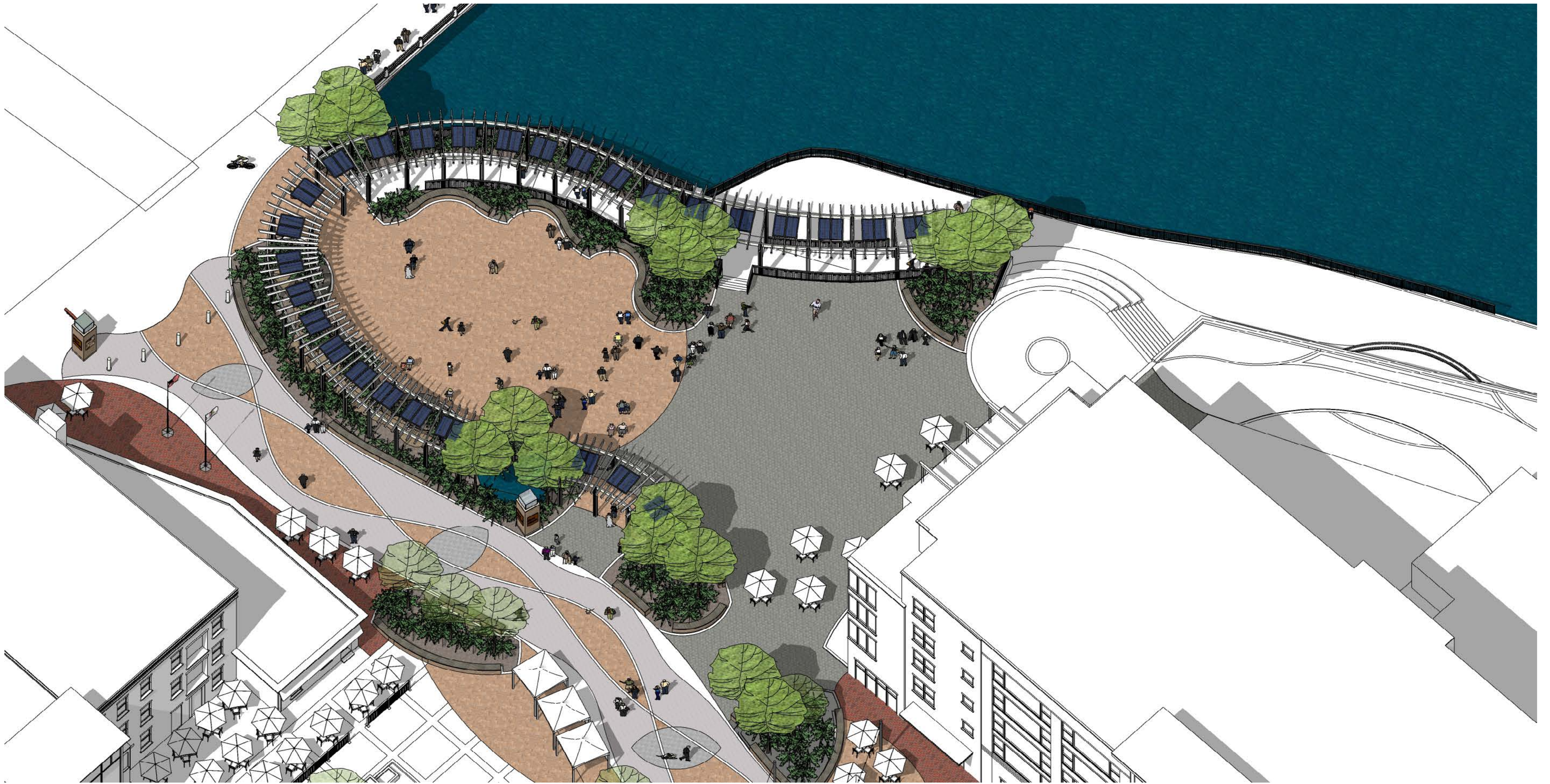
Benches



Flagpoles







# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT





# FIRST STREET PLAZA

ST. CHARLES, IL

DECEMBER 7, 2022  
2020.15.00

# FIRST STREET PLAZA IMPROVEMENTS - COMPLETE PROJECT

SERENA STURM<sup>EE</sup>  
ARCHITECTS



# FIRST STREET PLAZA IMPROVEMENTS PHASE 2

## Main Street & First Street St. Charles, Illinois 60174

Owner City of St. Charles  
2 East Main Street  
St. Charles, IL 60174

Architect of Record Serena Sturm Architects, Ltd.  
1011 Geneva Road  
St. Charles, IL 60174  
Tel: (331) 235-5048

Civil Engineer WBK Engineering, LLC  
116 West Main Street, Suite 201  
St. Charles, Illinois 60174  
Tel: (630) 433-7755

Landscape Architect Blue Stem Design, Inc.  
503 South 16th Street  
St. Charles, IL 60174  
Tel: (630) 618-8316

Structural Engineer Carsello Engineering Inc.  
2656 Wild Timothy Road  
Naperville, IL 60564  
Tel: (630) 854-9567

Mechanical, Electrical & Plumbing Engineer AES Consulting and Commissioning Inc.  
760 Telser Road  
Lake Zurich, IL 60047  
Tel: (847) 719-1708



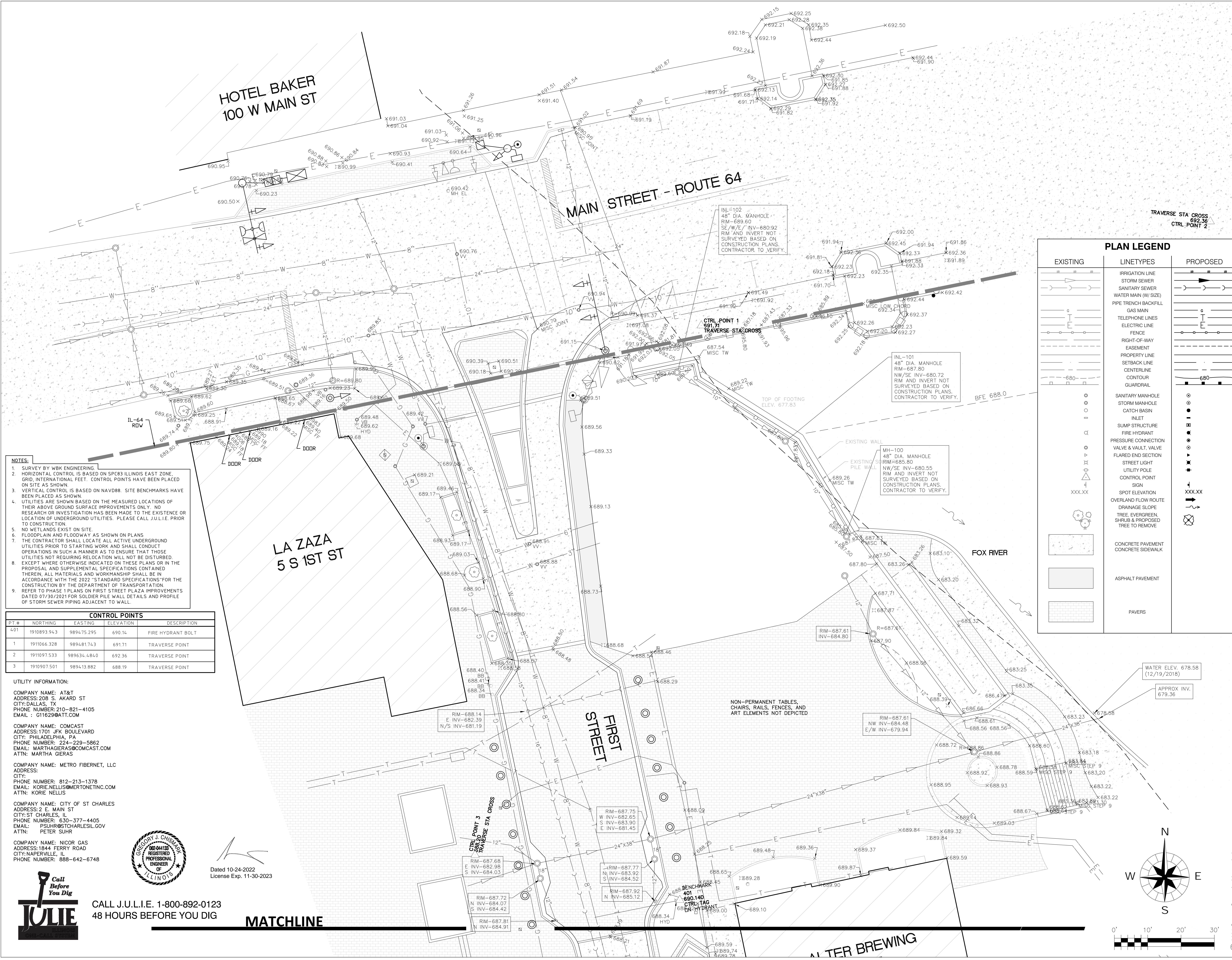
REVISIONS		
NO.	DATE	DESCRIPTION

**First Street Plaza Improvements**  
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

DRAWN BY: DAD	CHECKED BY: DAD PROJ. MGR: MJS
------------------	---

SHEET TITLE COVER SHEET	
PROJ. NO.: 2021.09.00	SHEET NO. G1.0
DATE: 10/24/22	





**NOTES:**

1. SURVEY BY WBK ENGINEERING
2. HORIZONTAL CONTROL IS BASED ON SPEC83 ILLINOIS EAST ZONE GRID. INTERNATIONAL FEET. CONTROL POINTS HAVE BEEN PLACED ON SITE AS SHOWN.
3. VERTICAL CONTROL IS BASED ON NAVD88. SITE BENCHMARKS HAVE BEEN PLACED AS SHOWN.
4. UTILITIES ARE SHOWN BASED ON THE MEASURED LOCATIONS OF THEIR ABOVE GROUND SURFACE IMPROVEMENTS ONLY. NO RESEARCH OR INVESTIGATION HAS BEEN MADE TO THE EXISTENCE OR LOCATION OF UNDERGROUND UTILITIES. PLEASE CALL J.U.L.I.E. PRIOR TO CONSTRUCTION.
5. NO WETLANDS EXIST ON SITE.
6. FLOODPLAIN AND FLOODWAY AS SHOWN ON PLANS
7. THE CONTRACTOR SHALL LOCATE ALL ACTIVE UNDERGROUND UTILITIES PRIOR TO STARTING WORK AND SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED. EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED THEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 2022 "STANDARD SPECIFICATIONS" FOR THE CONSTRUCTION BY THE DEPARTMENT OF TRANSPORTATION REFER TO PHASE 1 PLANS ON FIRST STREET PLAZA IMPROVEMENTS DATED 07/30/2021 FOR SOLDIER PILE WALL DETAILS AND PROFILE OF STORM SEWER PIPING ADJACENT TO WALL.

CONTROL POINTS				
PT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
401	1910893.943	989475.295	690.14	FIRE HYDRANT BOLT
1	1911066.328	989481.743	691.71	TRAVERSE POINT
2	1911097.533	989634.484	692.36	TRAVERSE POINT
3	1910907.501	989413.882	688.19	TRAVERSE POINT

**UTILITY INFORMATION:**

**COMPANY NAME: AT&T**  
 ADDRESS: 208 S. AKARD ST  
 CITY: DALLAS, TX  
 PHONE NUMBER: 210-821-4105  
 EMAIL: G11629@ATT.COM

**COMPANY NAME: COMCAST**  
 ADDRESS: 1701 JFK BOULEVARD  
 CITY: PHILADELPHIA, PA  
 PHONE NUMBER: 224-229-5862  
 EMAIL: MARTHA.GIERAS@COMCAST.COM  
 ATTN: MARTHA GIERAS

**COMPANY NAME: METRO FIBERNET, LLC**  
 ADDRESS:  
 CITY:  
 PHONE NUMBER: 812-213-1378  
 EMAIL: KORIE.NELLIS@MERTONETINC.COM  
 ATTN: KORIE NELLIS

**COMPANY NAME: CITY OF ST CHARLES**  
 ADDRESS: 2 E. MAIN ST  
 CITY: ST CHARLES, IL  
 PHONE NUMBER: 630-377-4405  
 EMAIL: PSUHR@STCHARLESIL.GOV  
 ATTN: PETER SUHR

**COMPANY NAME: NICOR GAS**  
 ADDRESS: 1844 FERRY ROAD  
 CITY: NAPERVILLE, IL  
 PHONE NUMBER: 888-642-6748



Dated 10-24-2022  
 License Exp. 11-30-2023

**Call Before You Dig**  
**JULIE**  
 CALL J.U.L.I.E. 1-800-892-0123  
 48 HOURS BEFORE YOU DIG

**MATCHLINE**

PLAN LEGEND		
EXISTING	LINETYPES	PROPOSED
	IRRIGATION LINE	
	STORM SEWER	
	SANITARY SEWER	
	WATER MAIN (W/ SIZE)	
	PIPE TRENCH BACKFILL	
	GAS MAIN	
	TELEPHONE LINES	
	ELECTRIC LINE	
	FENCE	
	RIGHT-OF-WAY EASEMENT	
	PROPERTY LINE	
	SETBACK LINE	
	CENTERLINE	
	CONTOUR	
	GUARDRAIL	
	SANITARY MANHOLE	
	STORM MANHOLE	
	CATCH BASIN	
	INLET	
	SUMP STRUCTURE	
	FIRE HYDRANT	
	PRESSURE CONNECTION	
	VALVE & VAULT, VALVE	
	FLARED END SECTION	
	STREET LIGHT	
	UTILITY POLE	
	CONTROL POINT	
	SIGN	
	SPOT ELEVATION	
	OVERLAND FLOW ROUTE	
	DRAINAGE SLOPE	
	TREE, EVERGREEN, SHRUB & PROPOSED TREE TO REMOVE	
	CONCRETE PAVEMENT	
	CONCRETE SIDEWALK	
	ASPHALT PAVEMENT	
	PAVERS	

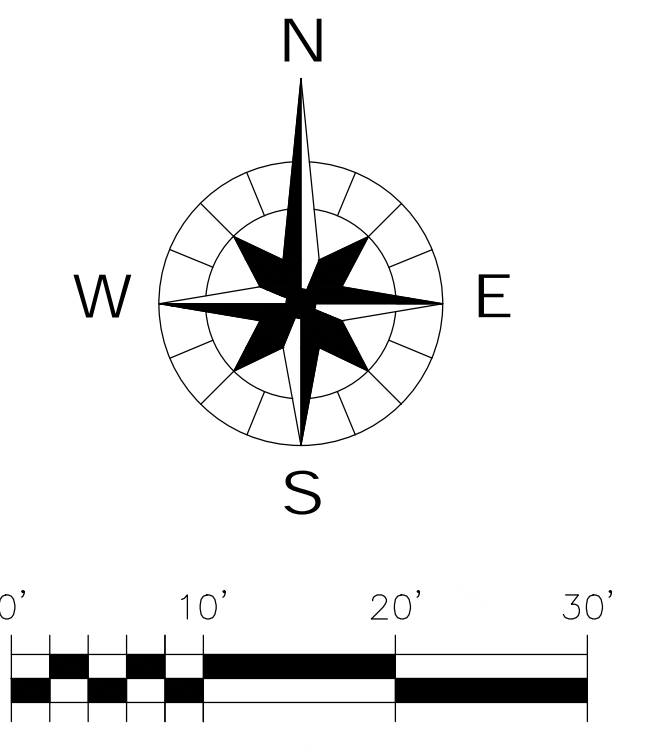
REVISIONS		
NO.	DATE	DESCRIPTION

**First Street Plaza Improvements - For Review**

City of St. Charles  
 2 East Main Street  
 St. Charles, Illinois 60174

DRAWN BY:	CHECKED BY:
BWW	JWC
	PROJ. MGR: GJC

SHEET TITLE	
EXISTING CONDITIONS NORTH	
PROJ. NO.: 2021.02.00	SHEET NO. C2.1
DATE: 10/24/2022	







**PLAN LEGEND**

EXISTING	LINETYPES	PROPOSED
	IRRIGATION LINE	
	STORM SEWER	
	SANITARY SEWER	
	WATER MAIN (W SIZE)	
	PIPE TRENCH BACKFILL	
	GAS MAIN	
	TELEPHONE LINES	
	ELECTRIC LINE	
	FENCE	
	RIGHT-OF-WAY EASEMENT	
	PROPERTY LINE	
	SETBACK LINE	
	CENTERLINE	
	CONTOUR	
	GUARDRAIL	
	SANITARY MANHOLE	
	STORM MANHOLE	
	CATCH BASIN	
	INLET	
	SUMP STRUCTURE	
	FIRE HYDRANT	
	PRESSURE CONNECTION	
	VALVE & VAULT, VALVE	
	FLARED END SECTION	
	STREET LIGHT	
	UTILITY POLE	
	CONTROL POINT	
	SIGN	
	SPOT ELEVATION	
	OVERLAND FLOW ROUTE	
	DRAINAGE SLOPE	
	TREE (EVERGREEN, SHRUB & PROPOSED)	
	TREE TO REMOVE	
	CONCRETE PAVEMENT	
	CONCRETE SIDEWALK	
	ASPHALT PAVEMENT	
	PAVERS	

**CONTROL POINTS**

PT. #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1910893.943	9894.75.295	690.14	FIRE HYDRANT BOLT
2	1911066.328	9894.81.743	691.71	TRAVERSE POINT
3	1911097.533	989634.484.0	692.36	TRAVERSE POINT
3	1910907.501	9894.13.882	688.19	TRAVERSE POINT

**SERENA STURM**  
ARCHITECTS

1011 Geneva Road - St. Charles, IL 60174  
T. 331.235.5048  
WWW.SERENASTURM.COM

**CONSULTANTS**

**WBK engineering** LLC  
WBK ENVIRONMENTAL CONSULTING, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

**REVISIONS**

NO.	DATE	DESCRIPTION

**First Street Plaza Improvements - For Review**

City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

DRAWN BY: BWW  
PROJ. ENG.: JWC  
PROJ. MGR.: GJC

SHEET TITLE: EXISTING CONDITIONS SOUTH

PROJ. NO.: 2021.02.00  
DATE: 10/24/2022

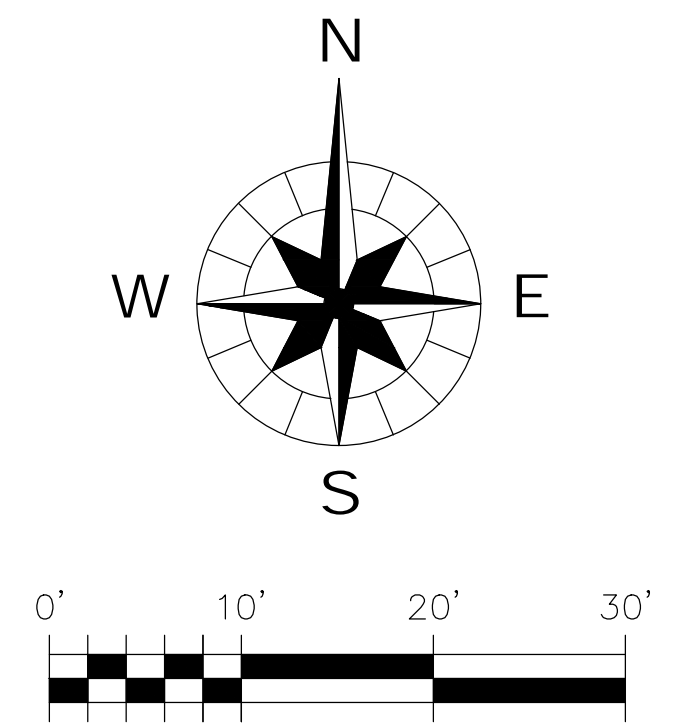
SHEET NO.: C2.2



Dated 10-24-2022  
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CALL J.U.L.I.E. 1-800-892-0123  
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HOTEL BAKER  
100 W MAIN ST

MAIN STREET - ROUTE 64

LA ZAZA  
5 S 1ST ST

ALTER BREWING  
12 S 1ST ST

NOTES:  
1. REMOVAL LIMITS DEPICTED ARE FOR CONSTRUCTION OF IMPROVEMENTS AND FOR REFERENCE ONLY. REMOVAL AND REPLACEMENT OF EXISTING PAVERS ADJACENT TO PROPOSED IMPROVEMENTS MAY BE NECESSARY DEPENDING ON CONSTRUCTION MEANS AND METHODS AND CONSIDERED INCIDENTAL TO ALL WORK DEPICTED HEREIN.

TRAVERSE STA CROSS  
692.36  
CTRL. POINT 2

CTRL POINT 1  
691.71  
TRAVERSE STA CROSS

TOP OF FOOTING  
ELEV. 677.83

BFE 688.0

FOX RIVER

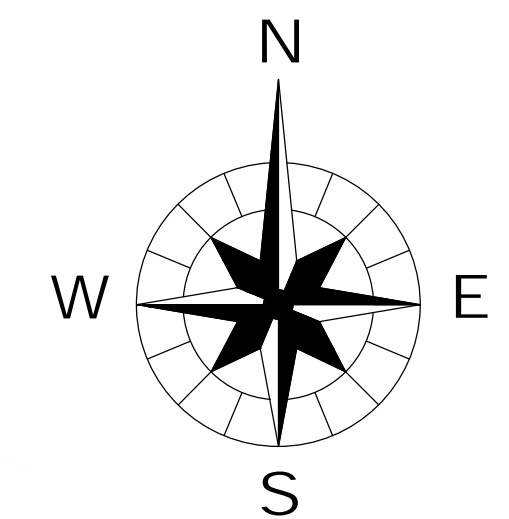
WATER ELEV. 678.58  
(12/19/2018)

APPROX INV.  
679.36

MATCHLINE



Dated 10-24-2022  
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CONSULTANTS

REVISIONS

NO.	DATE	DESCRIPTION

**First Street Plaza Improvements - For Review**  
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

DRAWN BY:	CHECKED BY:
BWW	JVC
	PROJ. MGR:
	GJC

SHEET TITLE  
**DEMOLITION PLAN  
NORTH**

PROJ. NO.:	SHEET NO.:
2021.02.00	<b>C3.1</b>
DATE:	
10/24/2022	





NOTES:  
 1. REMOVAL LIMITS DEPICTED ARE FOR CONSTRUCTION OF IMPROVEMENTS AND FOR REFERENCE. REMOVAL AND REPLACEMENT OF EXISTING PAVERS ADJACENT TO PROPOSED IMPROVEMENTS BE NECESSARY DEPENDING ON CONSTRUCTION MEANS AND METHODS AND CONSIDERED INCL TO ALL WORK DEPICTED HEREIN.

REVISIONS

NO.	DATE	DESCRIPTION

**First Street Plaza Improvements - For Review**  
 City of St. Charles  
 2 East Main Street  
 St. Charles, Illinois 60174

DRAWN BY: BWW	CHECKED BY: PROJ. ENG.: JWC PROJ. MGR.: GJC
------------------	---

SHEET TITLE  
**DEMOLITION PLAN SOUTH**

PROJ. NO.: 2021.02.00	SHEET NO.: <b>C3.2</b>
DATE: 10/24/2022	



*[Signature]*  
 Dated 10-24-2022  
 License Exp. 11-30-2023















HOTEL BAKER  
100 W MAIN ST

MAIN STREET -- ROUTE 64

LA ZAZA  
5 S 1ST ST

CTRL POINT 1  
691.71  
TRAVERSE STA CROSS

TOP OF FOOTING  
ELEV. 677.83

BFE 688.0

FOX RIVER

PROPOSED FLOODPLAIN ELEVATION

NOTES:  
1. PAVER TYPES DEPICTED ARE FOR REFERENCE ONLY. FOR SPECIFIC PAVER COLOR LOCATION, AND MATERIAL SEE PARTIAL SITE PLANS SHEET A1.1 & A1.2.  
2. FOR CONCRETE CURB AND CONCRETE SIDEWALK JOINT SPACING SEE PARTIAL SITE PLAN-NORTH SHEET A1.1

Curve Table: Pergola Centerline			
Curve #	Radius	Length	Chord Direction
C1	28.379	32.535	N17° 23' 25.57"W
L1	N/A	21.224	N/A
C2	54.544	9.999	N34° 41' 25.20"W
C3	54.544	17.252	N20° 22' 38.96"W
C4	44.029	15.516	N01° 13' 14.46"W
C5	35.937	15.067	N20° 53' 08.24"E
C6	27.225	13.145	N46° 43' 43.74"E
C7	27.225	13.145	N74° 23' 37.17"E
C8	35.937	15.067	S79° 45' 47.33"E
C9	44.029	15.516	S57° 39' 24.62"E
C10	54.544	17.252	S38° 30' 00.13"E
C11	106.813	80.485	S45° 29' 38.97"E

Curve Table: First Street Centerline			
Curve #	Radius	Length	Chord Direction
L2	N/A	59.911	N/A
C12	63.624	21.764	S15° 24' 58.59"E
L3	N/A	47.634	N/A
C13	50.000	25.000	S10° 53' 31.52"E
C14	50.000	2.383	S04° 47' 49.09"W
L4	N/A	11.498	N/A
C15	125.000	76.260	S11° 18' 55.54"E
L5	N/A	17.064	N/A
C16	50.000	25.000	S14° 28' 08.38"E
C17	50.000	21.800	S12° 20' 44.40"W
L6	N/A	12.971	N/A

NOTE: ROADWAY ALIGNMENT CONTINUED ON SHEET C4.4

**SERENA STURM**  
ARCHITECTS

1011 Geneva Road, St. Charles, IL 60174  
T 331.235.5048  
WWW.SERENASTURM.COM

**WBK engineering** LLC

WBK ENGINEERING, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

REVISIONS

NO.	DATE	DESCRIPTION

**First Street Plaza Improvements - For Review**

City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

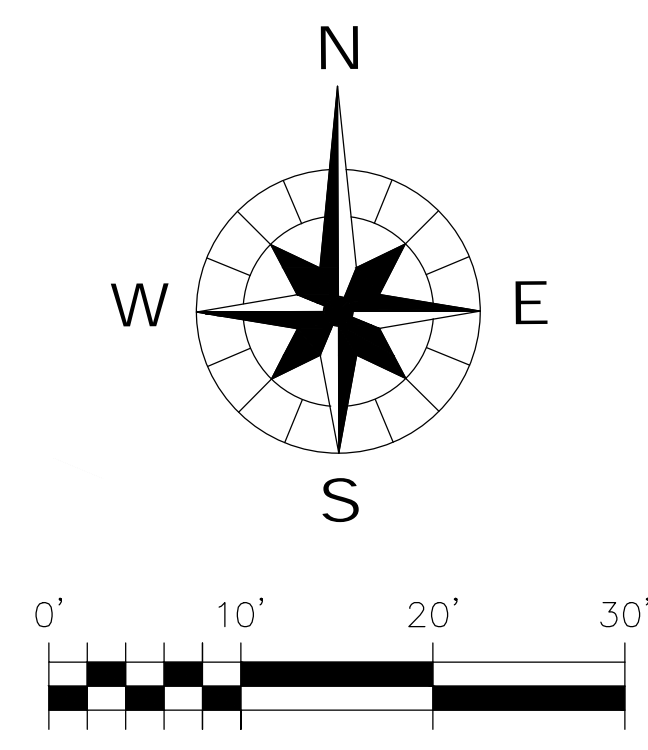
DRAWN BY: BWW  
PROJ. ENG: JWC  
PROJ. MGR: GJC

SHEET TITLE  
SITE PLAN NORTH DIMS

PROJ. NO.: 2021.02.00  
DATE: 10/24/2022  
SHEET NO.: **C4.3**



Dated 10-24-2022  
License Exp. 11-30-2023



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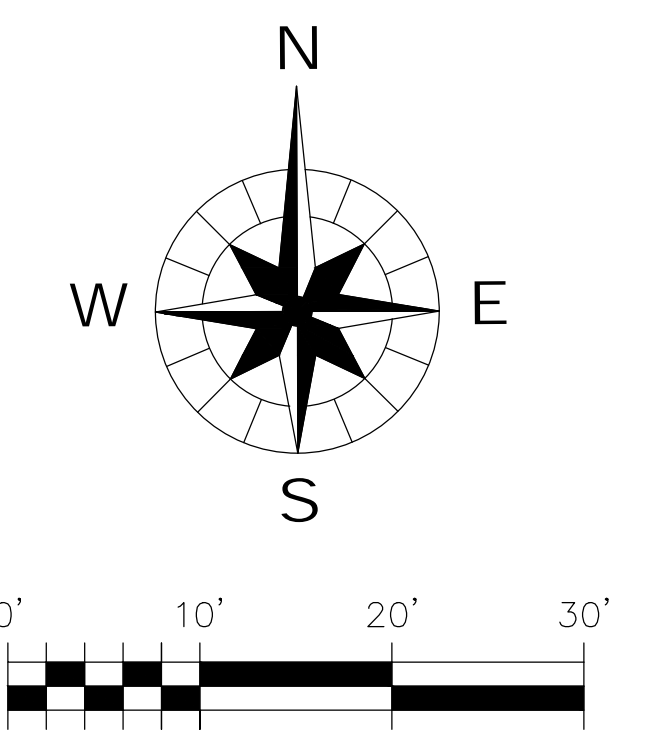
MATCHLINE

ALTER BREWING  
12 S 1ST ST





NOTES:  
 1. PAVER TYPES, DEPICTED ARE FOR REFERENCE ONLY. FOR SPECIFIC PAVER COLOR, LOCATION, AND MATERIAL SEE PARTIAL SITE PLANS SHEET A1.1 & A1.2  
 2. FOR CONCRETE CURB AND CONCRETE SIDEWALK JOINT SPACING SEE PARTIAL SITE PLAN-SOUTH SHEET A1.2



REVISIONS		
NO.	DATE	DESCRIPTION

**First Street Plaza Improvements - For Review**

City of St. Charles  
 2 East Main Street  
 St. Charles, Illinois 60174

DRAWN BY: BWW	CHECKED BY: PROJ. ENG.: JWC PROJ. MOR.: GJC
------------------	---

SHEET TITLE <b>SITE PLAN SOUTH DIMS</b>	
PROJ. NO.: 2021.02.00	SHEET NO.: <b>C4.4</b>
DATE: 10/24/2022	



*AS*

Dated 10-24-2022  
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HOTEL BAKER  
100 W MAIN ST

MAIN STREET - ROUTE 64

LA ZAZA  
5 S 1ST ST

FIRST  
STREET

ALTER BREWING  
12 S 1ST ST

- NOTES:
1. ALL LANDSCAPED AREAS SHALL BE EXCAVATED TO 36 INCHES BELOW FINISHED GRADE AND FILLED WITH SPECIAL SOIL MIX AS DEPICTED ON LANDSCAPE PLANS AND AS SPECIFIED.
  2. ELECTRIC AND COMMUNICATION SYSTEMS NOT DEPICTED, REFER TO ELECTRIC PLANS AND DETAILS.
  3. CONTRACTOR TO VERIFY EXISTING UTILITY DEPTH AND LOCATION PRIOR TO ANY UTILITY CONSTRUCTION. CONTACT CITY IF ANY CONFLICTS ARE IDENTIFIED PRIOR TO ANY WORK.



REVISIONS		
NO.	DATE	DESCRIPTION

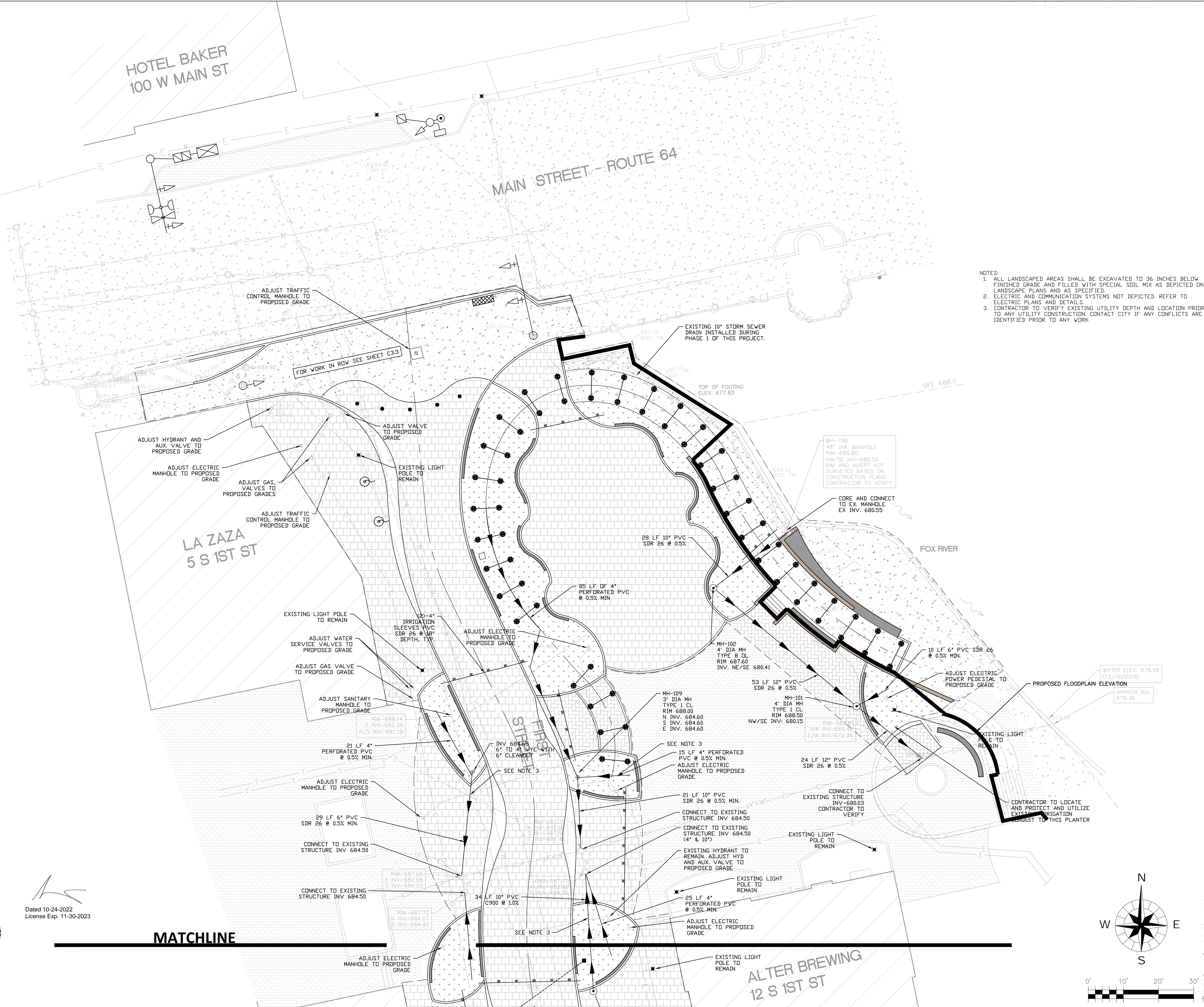
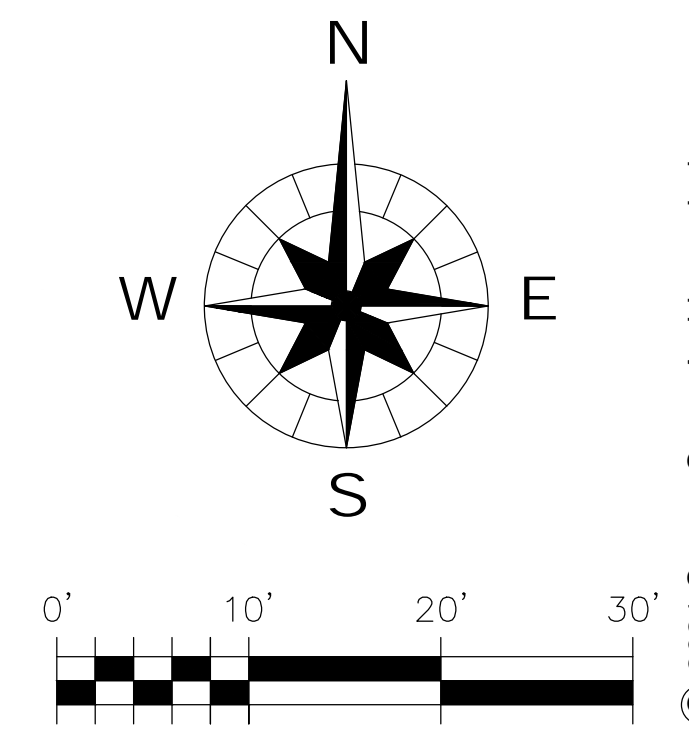
**First Street Plaza Improvements - For Review**  
 City of St. Charles  
 2 East Main Street  
 St. Charles, Illinois 60174

DRAWN BY: BWW	CHECKED BY: JWC
PROJ. ENG. GJC	PROJ. MGR. GJC
SHEET TITLE <b>UTILITY PLAN NORTH</b>	
PROJ. NO. 2021.02.00	SHEET NO. <b>C5.1</b>
DATE: 10/24/2022	



Dated 10-24-2022  
License Exp. 11-30-2023

**MATCHLINE**







- NOTES:
1. ALL LANDSCAPED AREAS SHALL BE EXCAVATED TO 36 INCHES BELOW FINISHED GRADE AND FILLED WITH SPECIAL SOIL MIX AS DEPICTED ON LANDSCAPE PLANS AND AS SPECIFIED.
  2. ELECTRIC AND COMMUNICATION SYSTEMS NOT DEPICTED. REFER TO ELECTRIC PLANS AND DETAILS.
  3. CONTRACTOR TO VERIFY EXISTING UTILITY DEPTH AND LOCATION PRIOR TO ANY UTILITY CONSTRUCTION. CONTACT CITY IF ANY CONFLICTS ARE IDENTIFIED PRIOR TO ANY WORK.

REVISIONS		
NO.	DATE	DESCRIPTION

**First Street Plaza Improvements - For Review**

City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

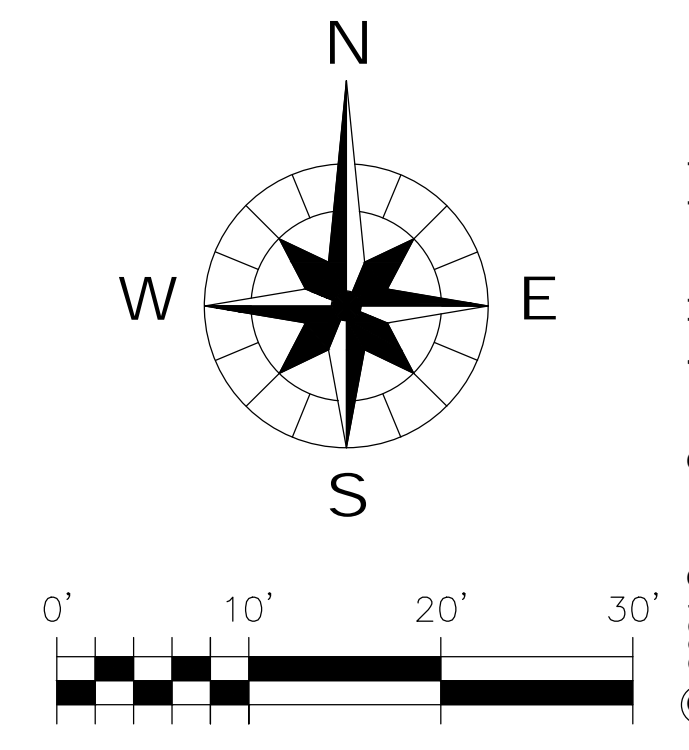
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BWW	JWC
	PROJ. MGR:
	GJC

SHEET TITLE  
**UTILITY PLAN SOUTH**

PROJ. NO.:	SHEET NO.:
2021.02.00	<b>C5.2</b>
DATE:	
10/24/2022	



Dated 10-24-2022  
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**GRADING ABBREVIATIONS:**

- M/E - MATCH EXISTING
- T/C - TOP OF CURB
- T/W - TOP OF WALL
- HP - HIGH POINT
- LP - LOW POINT

HOTEL BAKER  
100 W MAIN ST

MAIN STREET - ROUTE 64

LA ZAZA  
5 S 1ST ST

ALTER BREWING  
12 S 1ST ST

TRAVERSE STA CROSS  
692.36  
CTRL POINT 2

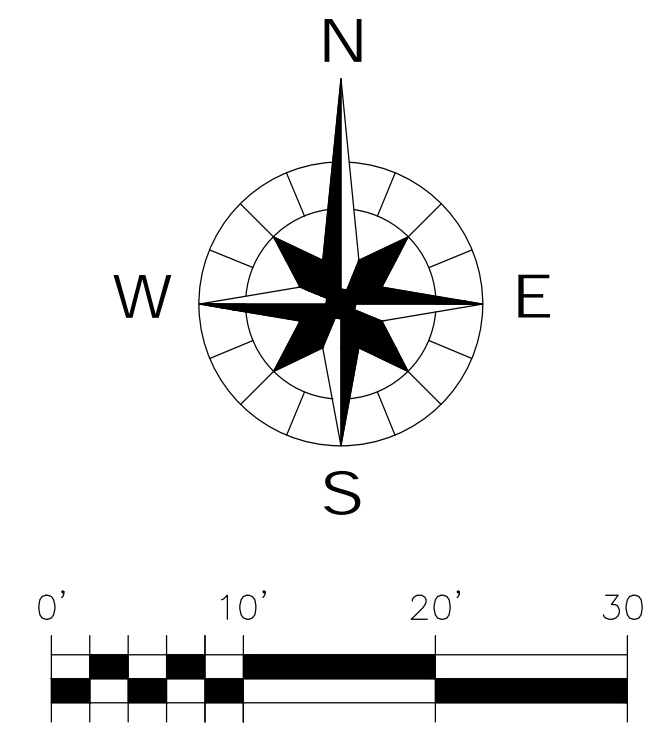
CTRL POINT 1  
691.71  
TRAVERSE STA CROSS

MATCH EXISTING GRADE AT LIMITS  
CTRL POINT 3  
TRAVERSE STA CROSS



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**MATCHLINE**



REVISIONS

NO.	DATE	DESCRIPTION

**First Street Plaza Improvements - For Review**

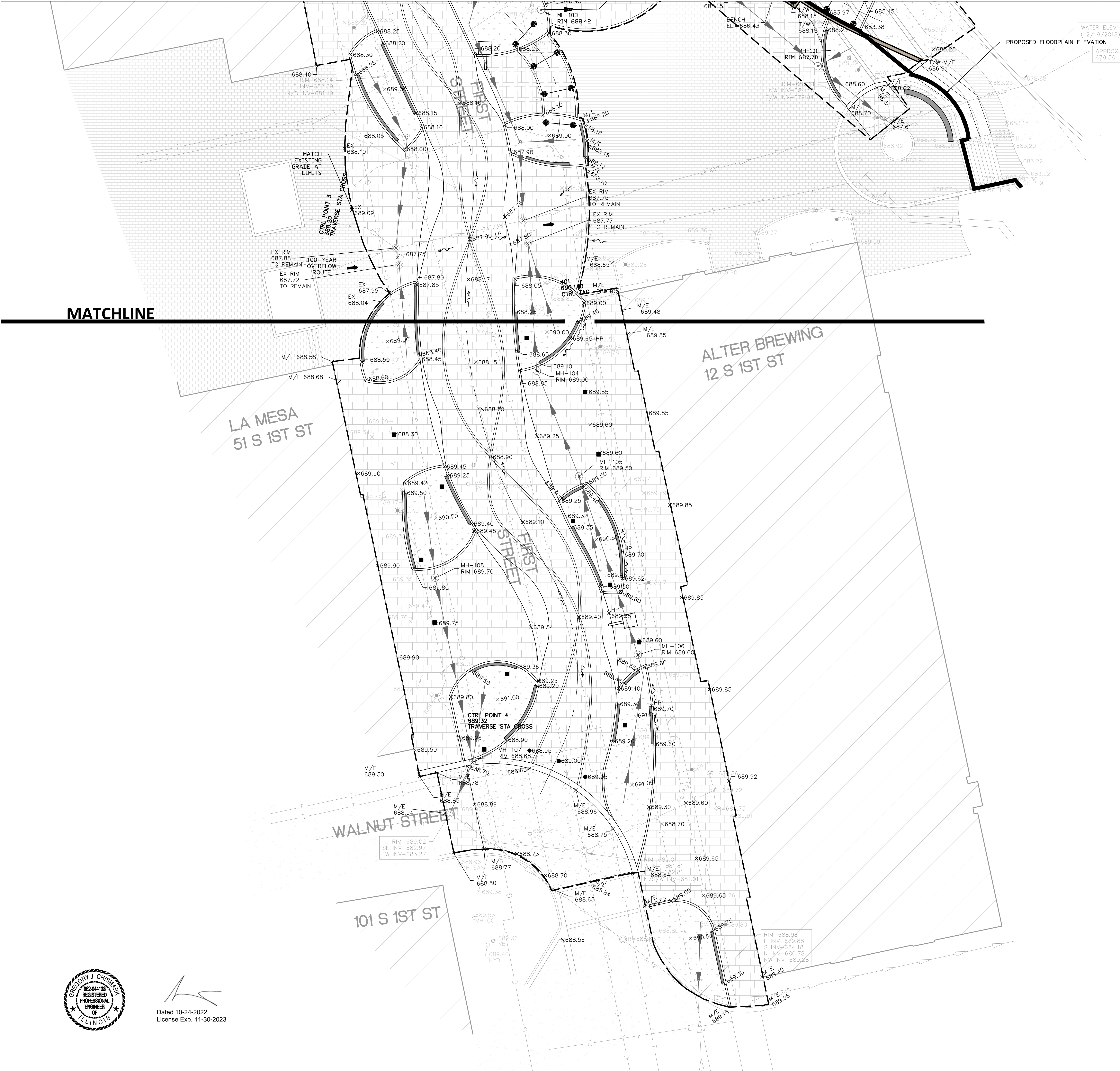
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

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BWW	JVC
	PROJ. MGR:
	GJC

SHEET TITLE  
**GRADING AND DRAINAGE PLAN NORTH**

PROJ. NO. 2021.02.00	SHEET NO. <b>C6.1</b>
DATE: 10/24/2022	





**PLAN LEGEND**

EXISTING	LINETYPES	PROPOSED
	IRRIGATION LINE	
	STORM SEWER	
	SANITARY SEWER	
	WATER MAIN (W/SIZE)	
	PIPE TRENCH BACKFILL	
	GAS MAIN	
	TELEPHONE LINES	
	ELECTRIC LINE	
	FENCE	
	RIGHT-OF-WAY	
	EASEMENT	
	PROPERTY LINE	
	SETBACK LINE	
	CENTERLINE	
	CONTOUR	
	GUARDRAIL	
	SANITARY MANHOLE	
	STORM MANHOLE	
	CATCH BASIN	
	INLET	
	SUMP STRUCTURE	
	FIRE HYDRANT	
	PRESSURE CONNECTION	
	VALVE & VAULT, VALVE	
	FLARED END SECTION	
	STREET LIGHT	
	UTILITY POLE	
	CONTROL POINT	
	SIGN	
	SPOT ELEVATION	
	OVERLAND FLOW ROUTE	
	DRAINAGE SLOPE	
	TREE, EVERGREEN, SHRUB & PROPOSED TREE TO REMOVE	

**GRADING ABBREVIATIONS:**  
 M/E - MATCH EXISTING  
 T/C - TOP OF CURB  
 T/W - TOP OF WALL  
 HP - HIGH POINT  
 LP - LOW POINT

**SERENA STURM**  
 ARCHITECTS

1011 Geneva Road - St. Charles, IL 60174  
 T. 331.236.5048  
 WWW.SERENASTURM.COM

**CONSULTANTS**

**WBK engineering** LLC  
 WBK ENGINEERING, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

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**First Street Plaza Improvements - For Review**

City of St. Charles  
 2 East Main Street  
 St. Charles, Illinois 60174

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**CHECKED BY:** JWC  
**PROJ. ENG.:** JWC  
**PROJ. MGR.:** GJC

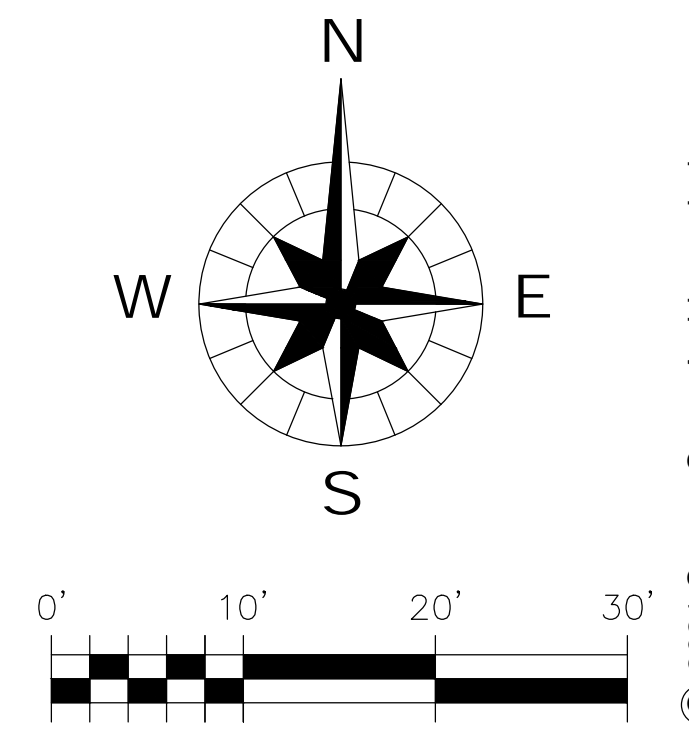
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 GRADING AND DRAINAGE PLAN SOUTH

**PROJ. NO.:** 2021.02.00  
**DATE:** 10/24/2022

**SHEET NO.:** C6.2



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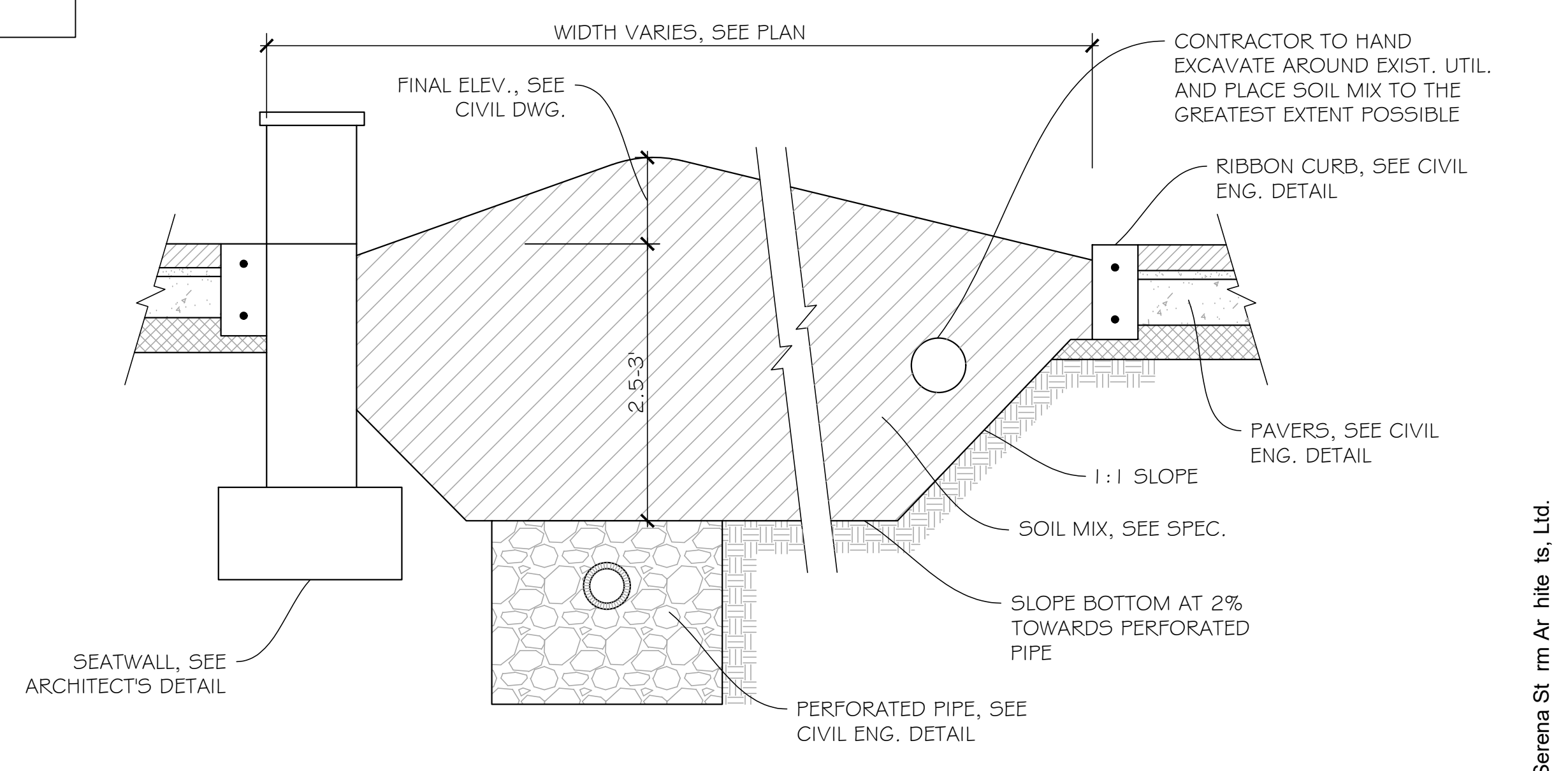
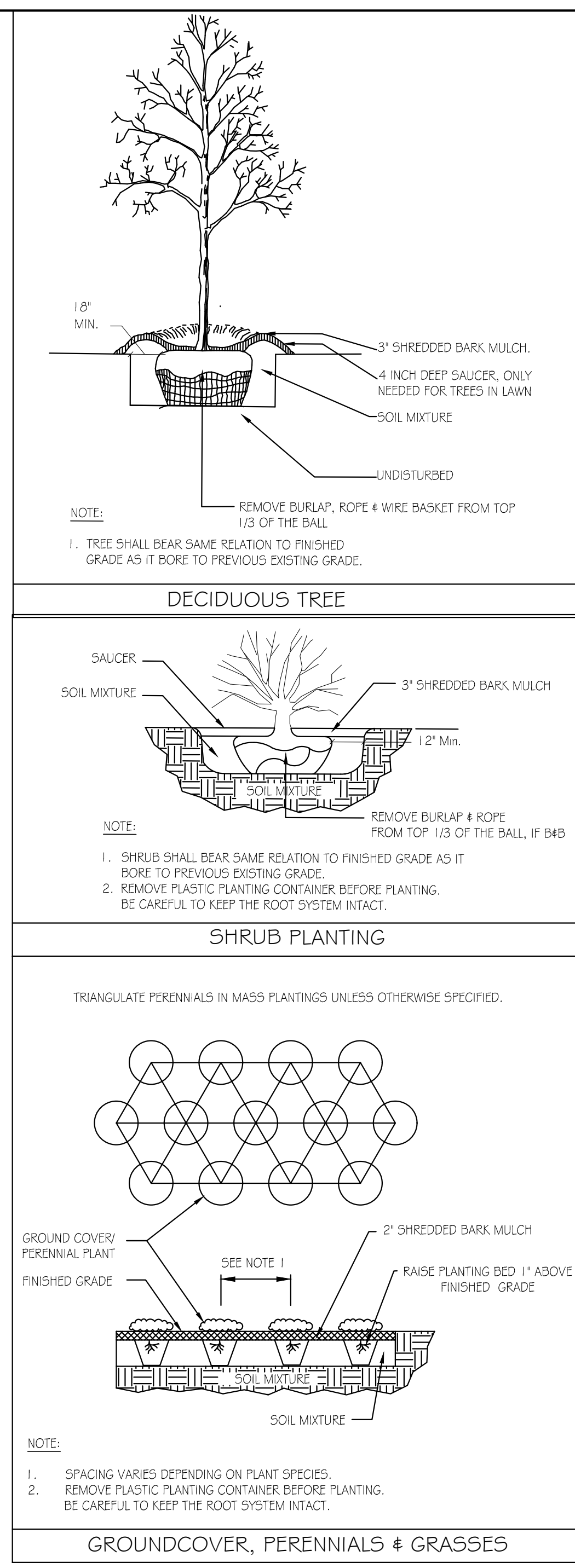
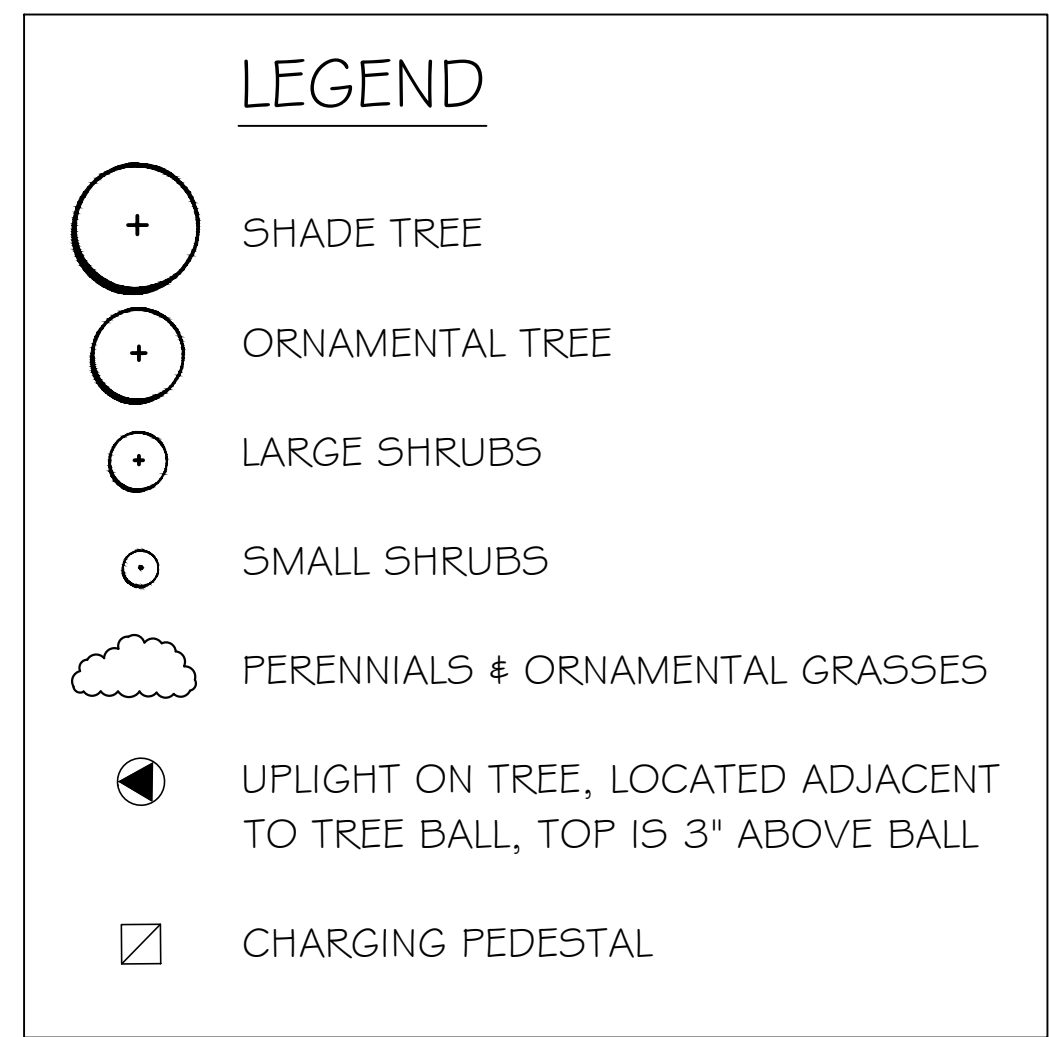
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**PLANT LIST**

SYM	BOTANIC NAME	COMMON NAME	INST. SIZE	MAT. SIZE	FLOWR COLOR	BLOOM TIME	NOTES
<b>SHADE TREES</b>							
ACRU	Acer rubrum 'Franksred'	Red Sunset Red Maple	3"	35x45"			red fall color
ACFR	Acer x freemanii 'Celzan'	Celebration Red Maple	3"	35x50"			red fall color
CLKE	Cladrastis kentuckea 'Perkins Pink'	Yellowwood	3"	30x30"	pink	M	yellow fall color
GIBI	Ginkgo biloba 'Autumn Gold'	Ginkgo	3"	40x40"			yellow fall color
LITU	Liriodendron tulipifera	Tulip Tree	3"	30x60"	yellow	M	yellow fall color
NYSY	Nyssa sylvatica 'Northern Splendor'	Black Tupelo	3"	25x40"			red fall color
QUBI	Quercus bicolor 'JFS-KW12'	American Dream Oak	3"	40x50"			yellow fall color
<b>ORNAMENTAL TREES</b>							
AMGR	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	7"	15x20"	white	M	orange fall color
CACR	Carpinus caroliniana	American Hornbeam	2"	20x25"			orange fall color
COMA	Cornus mas 'Golden Glory'	Corneliancherry Dogwood	7"	15x20"	yellow	M	red fall color
CRVI	Crataegus virdis 'Winter King'	Winter King Hawthorn	2"	20x20"	white	M	red fall color
SYRE	Syringa reticulata 'Ivory Silk'	Japanese Tree Lilac	7"	15x25"	white	J	
<b>LARGE SHRUBS</b>							
ARAR	Aronia arbutifolia	Red Chokeberry	2.5'	6x6'	white	M	
FOMA	Fothergilla major	Mount Airy Fothergilla	2.5'	5x5'	white	AM	
HYQU	Hydrangea quercifolia 'Alice'	Oakleaf Hydrangea	2.5'	6x6'	white	JJAS	purple fall color
SYME	Syringa meyeri 'Palibin'	Dwarf Korean Lilac	2.5'	6x6'	purple	M	
VIDE	Viburnum dentatum 'Christom'	Arrowwood Viburnum	2.5'	5x5'	white	M	purple fall color
<b>SMALL SHRUBS</b>							
CEAM	Ceanothus americanus	New Jersey Tea	1.5'	3x3'	white	JJ	
CHSP	Chaenomeles speciosa 'Orange Storm'	Flowering Quince	1.5'	4x3'	orange	A	
DISE	Diervilla sessilifolia 'Butterfly'	Butterfly Bush	1.5'	3x3'	yellow	AMJ	yellow fall color
HYAR	Hydrangea arborescens 'NCHA3'	Invincibelle Ruby Hydrangea	1.5'	3x3'	red	JJAS	
HYKA	Hypericum kalmianum 'SMHKBF'	Hypericum Blues Festival	1.5'	3x3'	yellow	JAS	yellow fall color
POFR	Potentilla fruticosa 'Jackmanii'	Jackman's Potentilla	1.5'	3x3'	yellow	JJAS	
SPBU	Spiraea x bumalda 'Froebel'	Froebel Spiraea	1.5'	3x3'	pink	JJ	yellow fall color
SPTO	Spiraea tomentosa	Steeplebush	1.5'	3x3'	pink	JA	maroon fall color
SYDO	Symphoricarpos sp. 'Sofie'	Coralberry	1.5'	3x3'	white	MJ	
<b>ORNAMENTAL GRASSES</b>							
BOCU	Bouteloua curtipendula	Side-oats Gramma	1gal	18x24"	red	JA	orange fall color
DECE	Deschampsia cespitosa	Tufted Hair Grass	1gal	18x36"	brown	MJ	yellow fall color
ERSP	Eragrostis spectabilis	Purple Lovegrass	1gal	18x18"	red	AS	yellow fall color
PAVI	Panicum virgatum 'Cheyenne Sky'	Switch Grass	1gal	24x36"	purple	JAS	burgandy fall
PEAL	Pennisetum alopecuroides 'Burgandy Bunny'	Burgandy Bunny Fountain Grass	1gal	12x12"	brown	ASO	red fall color
SCSC	Schizachyrium scoparium 'Prairie Blues'	Little Blue Stem	1gal	18x36"	pink	SO	orange fall color
SEAU	Sesleria autumnalis	Autumn Moor Grass	1gal	12x18"	silver	JA	yellow fall color
SPHE	Sporobolus heterolepis 'Tara'	Dwarf Prairie Dropseed	1gal	12x24"	gold	ASO	yellow fall color
<b>PERENNIALS</b>							
ALSU	Allium cernuum	Nodding Wild Onion	1gal	18x12"	purple	JJAS	
BALE	Baptisia leucophaea	Cream Wild False Indigo	1gal	24x24"	white	MJ	
CACA	Campanula carpatica 'Pearl Deep Blue'	Carpathian Harebell	1gal	12x8"	blue	MJJAS	
COVE	Coreopsis verticillata 'Zagreb'	Zagreb Coreopsis	1gal	18x12"	gold	JJASO	
ECPU	Echinacea 'CBG Cone 2'	Pixie Meadowbrite Coneflower	1gal	18x18"	pink	JJAS	
GESA	Geranium sanguineum 'Max Frei'	Max Frei Cranesbill	1gal	18x8"	pink	MJJAS	red fall color
HEHA	Hemerocallis 'Happy Returns'	Daylily	1gal	12x12"	yellow	JJA	
LIKO	Liatris spicata 'Kobold'	Kobold Gayfeather	1gal	12x18"	purple	JA	
MODI	Monarda didyma 'Pettie Delight'	Beebalm	1gal	18x12"	pink	JJA	
RUFU	Rudbeckia fulgida 'Viette's Little Suzy'	Dwarf Black Eyed Susan	1gal	18x12"	gold	JASO	
RUHU	Ruellia humilis	Wild Petunia	1gal	18x12"	purple	MJJAS	
SANE	Salvia nemorosa 'Caradonna'	Caradonna Salvia	1gal	18x18"	purple	JJAS	



1 PLANT BED DETAIL (TYP)  
SCALE: 3/4" = 1'-0"

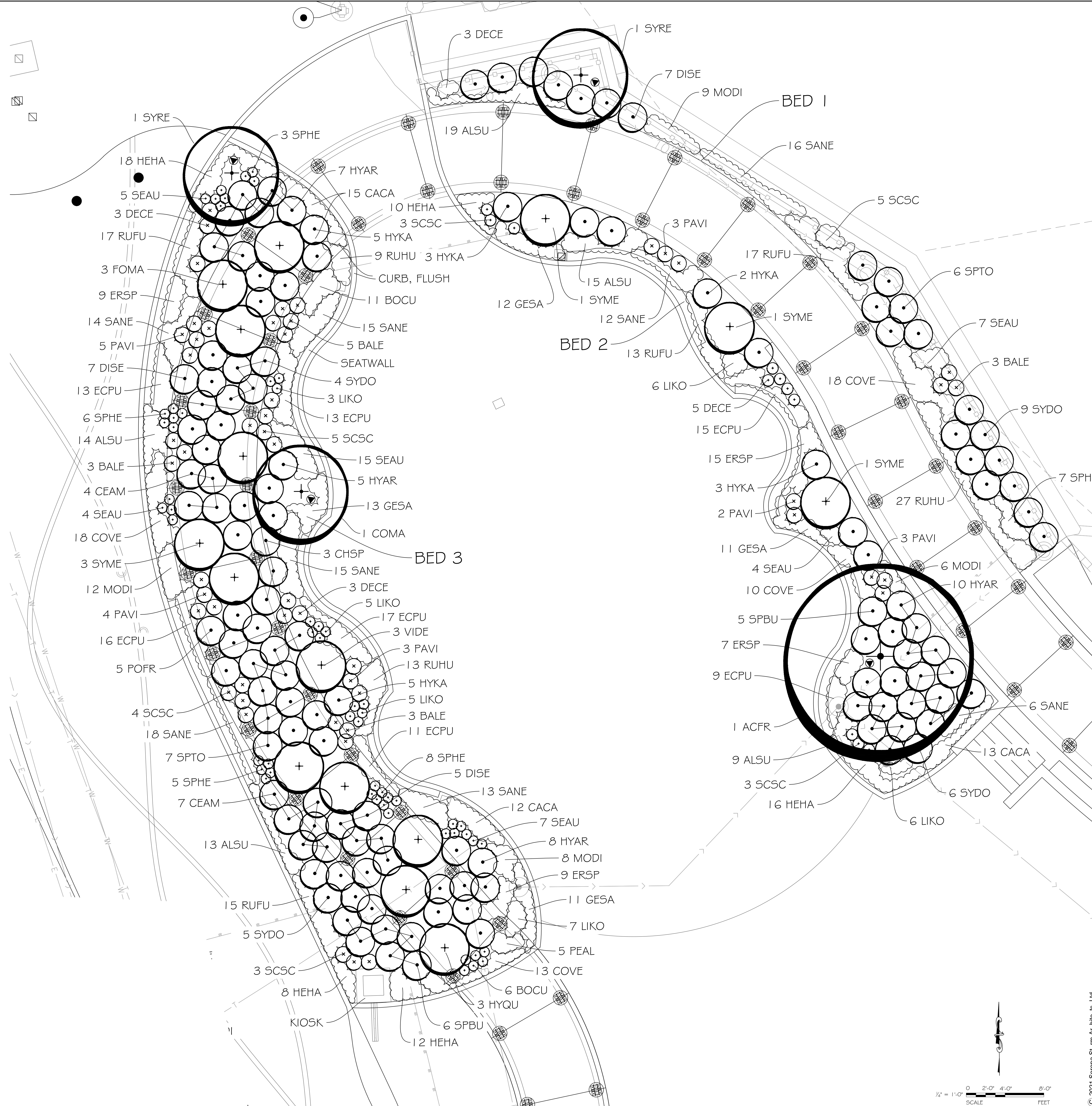
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PRO. NO.	SHEET NO.
12084 S17	L1.0
DATE	
10.21.2022	



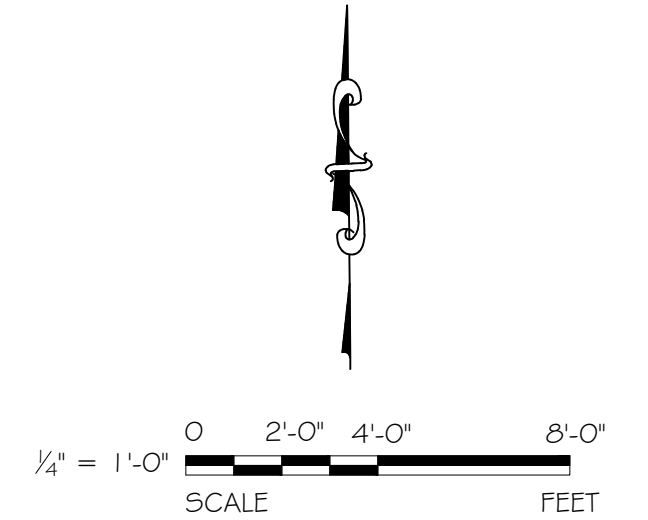


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**First Street Plaza Improvements**  
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

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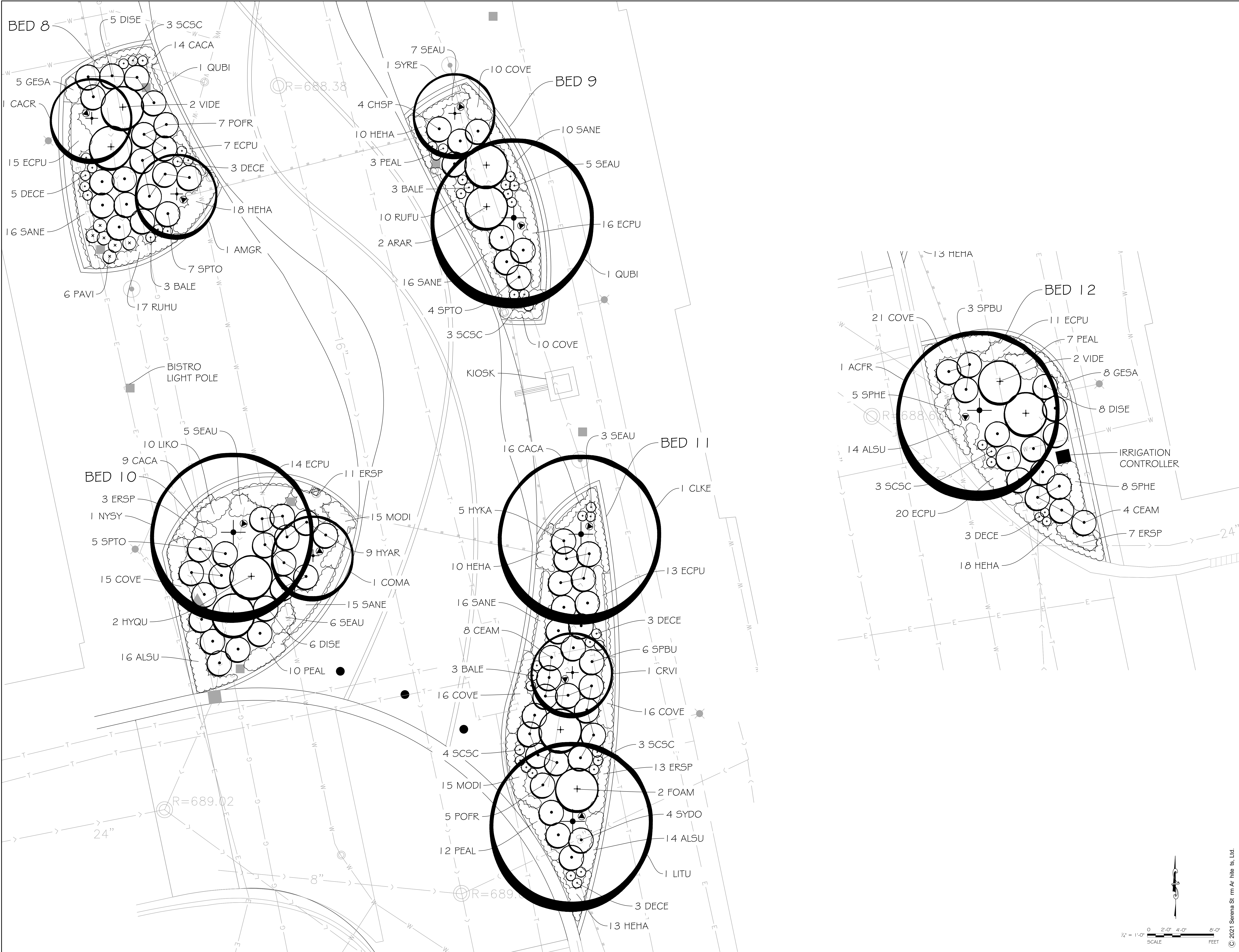
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PRO. NO. 12084 S17	SHEET NO. <b>L2.1</b>
DATE 10.21.2022	









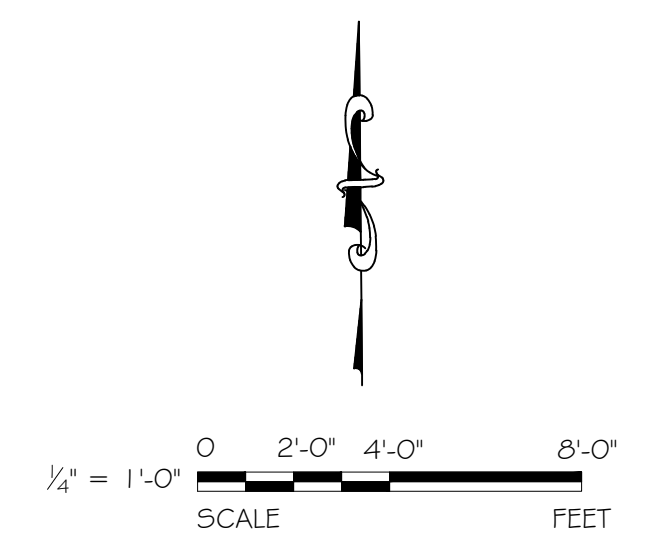


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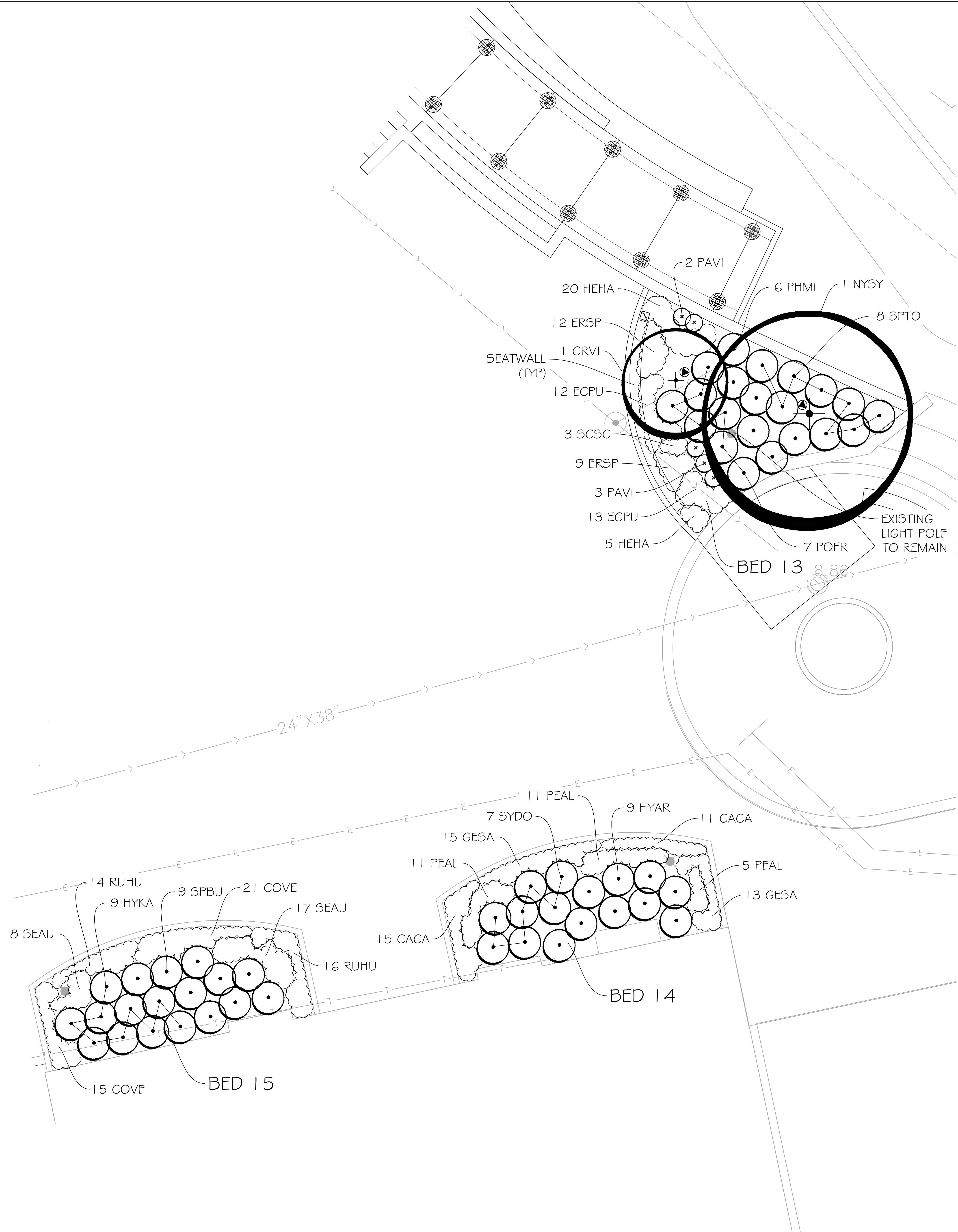
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PRO. NO. 12084 S17	SHEET NO. <b>L2.3</b>
DATE 10.21.2022	



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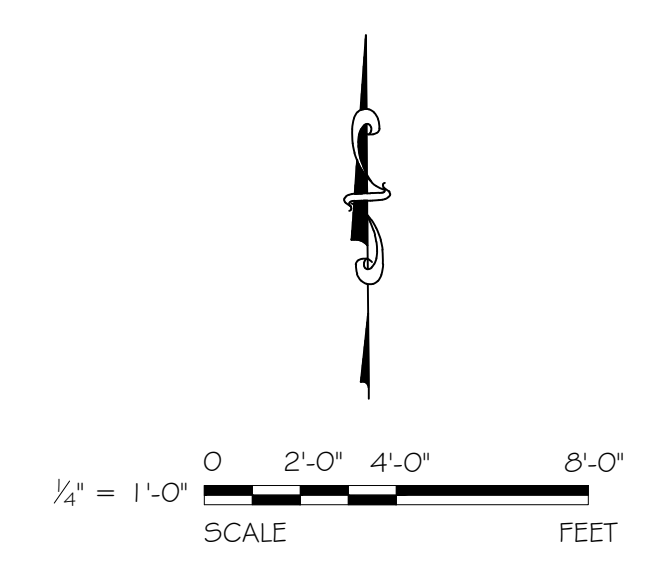
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**First Street Plaza Improvements**  
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

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SHEET TITLE  
**ENLARGEMENT PLAN**

PRO. NO. 12084 S17	SHEET NO. <b>L2.4</b>
DATE 10.21.2022	





GENERAL

1. CODES AND STANDARDS

BUILDING CODE: INTERNATIONAL BUILDING CODE, 2021
REFERENCED STANDARDS:
ASCE-16: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
ASCE 360-16: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
ACI 318-11: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

2. DESIGN LOADS:

FLOOR LIVE LOAD:
PUBLIC 100 PSF

ROOF SNOW LOAD:
GROUND SNOW LOAD, Pg 25 PSF
FLAT ROOF SNOW LOAD, Pf 21 PSF
SNOW EXPOSURE FACTOR, Ce 1.0
SNOW LOAD IMPORTANCE FACTOR, I 1.0
THERMAL FACTOR, Ct 1.0

WIND LOADING:
ULTIMATE DESIGN WIND SPEED, Vult 115 MPH
NOMINAL DESIGN WIND SPEED, Vnom 90 MPH
WIND IMPORTANCE FACTOR, I 1.00
WIND EXPOSURE: B
INTERNAL PRESSURE COEFFICIENT: +/-0.18

SEISMIC LOADING:

SEISMIC IMPORTANCE FACTOR, I 1.0
OCCUPANCY CATEGORY: II
IMPORTANCE FACTOR, I 1.0
MAPPED SPECTRAL RESPONSE, Ss 15.78%g
ACCELERATION, S1 7.18%g
SITE CLASS: D
SPECTRAL RESPONSE COEF., Sps 0.168
Sps1 0.115
SEISMIC DESIGN CATEGORY: B
BLDG. FRAME SYSTEM: STR STEEL SYSTEMS
SEISMIC RESISTING SYSTEM: NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
DESIGN BASE SHEAR, V 0.194W
SEISMIC RESPONSE COEF., Cp 1.0
RESPONSE MODIFICATION FACTOR, R 3.0
ANALYSIS PROCEDURE: EQUIV. LATERAL-FORCE

3. DIMENSIONS ON STRUCTURAL DRAWINGS ARE TO BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AS WELL AS AGAINST FIELD CONDITIONS BY CONTRACTORS.

4. UNLESS NOTED OTHERWISE, DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR CONDITIONS.

5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF INSERTS, HANGERS, SLEEVES, DUCTWORK, PADS AND ANCHOR RODS THAT ARE REQUIRED BY MECHANICAL EQUIPMENT.

6. IF DISCREPANCIES APPEAR ON THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION FROM THE ARCHITECT BEFORE BIDDING. IF THE CONTRACTOR FAILS TO MAKE SUCH REQUEST, IT IS PRESUMED THAT BOTH PROVISIONS WERE INCLUDED IN THE BID AND THE ARCHITECT SHALL DETERMINE WHICH OF THE CONFLICTING REQUIREMENTS SHALL GOVERN. THE CONTRACTOR SHALL PERFORM THE WORK AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH THE ARCHITECT'S DETERMINATION.

FOUNDATIONS

1. ALL SOIL SUPPORTED FOOTINGS SHALL BE FOUNDED UPON UNDISTURBED, NATURAL SOIL SUBGRADE OR ON THOROUGHLY TESTED AND APPROVED FILL WITH A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3,000 PSF AS FIELD VERIFIED AND APPROVED BY THE OWNER'S SOIL TESTING AGENCY. THE FOOTING ELEVATIONS AND SOIL BEARING CAPACITIES AS SHOWN ON THE DRAWINGS ARE ESTIMATED FROM THE SOIL BORING DATA. FINAL, EXACT ELEVATIONS AND SOIL BEARING CAPACITIES SHALL BE FIELD DETERMINED AND VERIFIED BY THE OWNER'S SOIL TESTING LABORATORY AND REVIEWED BY THE ARCHITECT/ENGINEER DURING CONSTRUCTION.

2. THE SOIL SUBGRADE FOR ALL FOOTINGS AND SLABS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S TESTING LABORATORY IMMEDIATELY PRIOR TO PLACING CONCRETE.

3. ALL FOOTING AND SLAB SUBGRADES, INCLUDING PIT SLABS, SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR (ASTM D698) MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, AS REQUIRED.

4. ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM SUBGRADE AND BACKFILL AREAS AND BACKFILLED WITH SELECT FILL, COMPACTED TO 98 PERCENT OF STANDARD PROCTOR (ASTM D698) MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.

5. DO NOT UNDERMINE EXISTING CONSTRUCTION.

6. PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS.

7. NO MUD SLABS, FOOTINGS OR SLABS SHALL BE PLACED ONTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST OR ICE.

8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE. SUCH PROTECTION IS ADDITIONAL SCOPE.

CONCRETE

1. CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)", LATEST EDITION.

2. UNLESS NOTED OTHERWISE, CONCRETE SHALL BE NORMAL WEIGHT CONCRETE AND SHALL DEVELOP THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTHS:
-FOOTINGS, FOUNDATION WALLS: 4000 PSI
-EXTERIOR RETAINING WALLS AND SLABS: 4000 PSI

3. VERTICAL WALL CONSTRUCTION JOINTS SHALL BE FORMED WITH VERTICAL BULKHEADS AND KEYS. WALL REINFORCING SHALL BE CONTINUOUS THROUGH THE JOINT OR SHALL BE DOWELED WITH AN EQUIVALENT AREA OF REINFORCEMENT.

4. NO SLAB SHALL HAVE COLD JOINTS IN A HORIZONTAL PLANE.

5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF INSERTS, EMBEDDED PLATES, MASONRY ANCHORS, REGLETS, SLEEVES, DUCTWORK, PADS AND ANCHOR RODS. THE INSERTS, EMBEDDED PLATES, ETC. SHALL NOT INTERFERE WITH CONCRETE REINFORCEMENT LOCATION.

6. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

7. SLABS ON GRADE CONTROL JOINTS SHALL BE CUT WITHIN 24 HOURS AFTER THE CONCRETE HAS SET. CONTROL JOINTS SHALL NOT EXCEED 15'-0" INTERVALS IN EACH DIRECTION, AND SHALL BE LOCATED TO CONFORM WITH BAY SPACING WHEREVER POSSIBLE (I.E. AT COLUMN CENTERLINES, HALF-BAYS, THIRD-BAYS).

8. DEPRESSED SLABS SHALL MAINTAIN FULL THICKNESS UNLESS NOTED OTHERWISE.

REINFORCEMENT

1. UNLESS NOTED OTHERWISE, REINFORCEMENT SHALL CONFORM TO ASTM SPECIFICATION A615, GRADE 60.

2. CORNER BARS SHALL BE PROVIDED AT WALL CORNERS EQUAL TO THE HORIZONTAL WALL REINFORCEMENT.

3. ALL CONCRETE FORMED SLAB OR WALL OPENINGS SHALL BE REINFORCED WITH 2 NO. 5 BARS PLACED ONE IN EACH FACE AT 45 DEGREES TO OPENING CORNERS.

4. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT UNLESS NOTED OTHERWISE:

Table with 2 columns: CONCRETE ELEMENT and MIN. COVER (IN.). Rows include #6 THROUGH #18 BARS (2"), #5 BAR, W31 OR D31 WIRE, AND SMALLER (1-1/2"), CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH (3"), CONCRETE EXPOSED TO EARTH OR WEATHER (2"), SLABS, WALLS AND JOISTS #14 AND #18 BARS (1-1/2"), #11 BAR AND SMALLER (3/4"), BEAMS AND COLUMNS PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS (1-1/2")

5. ARRANGEMENT AND DETAILS OF REINFORCEMENT, INCLUDING BAR SUPPORTS AND SPACERS, SHALL BE IN ACCORDANCE WITH THE "A.C.I. DETAILING MANUAL (ACI SP-66)", LATEST EDITION.

6. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT THE POSITIONS INDICATED. PLASTIC COATED ACCESSORIES SHALL BE USED IN ALL EXPOSED CONCRETE WORK.

7. ALL EMBEDMENT LENGTHS AND LAPS SHALL BE AS REQUIRED BY ACI 318. UNLESS NOTED OTHERWISE, MINIMUM LAP SHALL BE 40 BAR DIAMETERS.

MASONRY

1. DESIGN AND CONSTRUCTION OF MASONRY SHALL BE IN ACCORDANCE WITH THE ACI/ASCE/TMS "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/TMS 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602), LATEST EDITIONS.

2. QUALITY ASSURANCE AND INSPECTION OF MASONRY CONSTRUCTION ARE REQUIRED AS DEFINED BY THE "SPECIFICATION FOR MASONRY STRUCTURES" AND/OR THE BUILDING CODE.

3. MATERIALS FOR MASONRY CONSTRUCTION SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

SPECIFIED COMPRESSIVE STRENGTH OF MASONRY: f'm = 1,500 PSI
CONCRETE MASONRY UNITS: ASTM C90, MEDIUM WEIGHT, TYPE II MIN. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS = 3050 PSI

MORTAR: ASTM C270, TYPE 'N'
GROUT: ASTM C476; MIN. COMPRESSIVE STRENGTH = 2000 PSI

REINFORCING BARS: ASTM A615, GRADE 60
HORIZ. JOINT REINFORCING: ASTM A951, ASTM A82 (WIRE FOR JOINT REINF.)

ANCHORS, TIES AND ACCESSORIES: PLATE AND BENT BAR ANCHORS: ASTM A36
SHEET METAL ANCHORS & TIES: ASTM A306
WIRE MESH TIES: ASTM A185

CORROSION PROTECTION: WIRE TIES AND ANCHORS: ASTM A82
INTERIOR WALLS: ASTM A641 (0.1 OZ/SF)
EXTERIOR WALLS: ASTM A153 (1.5 OZ/SF)
ASTM A653, CLASS 60

4. VERTICAL CELLS TO BE FILLED WITH GROUT SHALL BE ALIGNED TO PROVIDE A CONTINUOUS, UNOBSTRUCTED OPENING OF THE DIMENSIONS SHOWN ON THE PLANS. CELLS THAT WILL CONTAIN VERTICAL REINFORCEMENT SHALL HAVE A MINIMUM TWO INCH CLEAR OPENING.

5. GROUT FOR FILLING REINFORCED OR NON-REINFORCED CELLS SHALL BE PLACED IN MAXIMUM FOUR (4) FOOT LIFTS AND CONSOLIDATED IN PLACE BY VIBRATION OR OTHER METHODS WHICH INSURE COMPLETE FILLING OF CELLS. ALL CELLS CONTAINING REINFORCING BARS SHALL BE FULLY GROUTED.

6. HOLLOW MASONRY UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED WHERE THEY ARE ADJACENT TO CELLS TO BE REINFORCED OR GROUTED SOLID. IN THE STARTING COURSE ON FOUNDATIONS, AND IN GROUTED PIERS, PILASTERS, AND COLUMNS.

7. SOLID MASONRY UNITS SHALL BE LAID WITH FULL HEAD AND BED JOINTS. POINTS OF BEARING SHALL BE ON TWO (2) COURSES OF SOLID MASONRY OR TWO (2) COURSES OF HOLLOW MASONRY GROUTED SOLID.

8. PROVIDE CONTINUOUS, 9 GAUGE LADDER TYPE GALVANIZED HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. VERTICALLY AND IN THE FIRST COURSE ABOVE AND BELOW OPENINGS FOR A DISTANCE OF NOT LESS THAN 2'-0" BEYOND OPENINGS. PROVIDE ADJUSTABLE JOINT REINFORCEMENT AT MULTI-WYTHE WALLS.

9. THE MINIMUM CLEAR DISTANCE BETWEEN PARALLEL REINFORCING BARS, EXCEPT IN COLUMNS SHALL BE EQUAL TO THE NOMINAL BAR DIAMETER.

10. VERTICAL REINFORCEMENT SHALL BE LAP SPLICED A MINIMUM OF 48 BAR DIAMETERS WHERE REQUIRED, U.N.O.

11. ALL REINFORCEMENT SHALL BE COMPLETELY EMBEDDED IN MORTAR OR GROUT AND SHALL HAVE A COVERAGE OF MASONRY NOT LESS THAN:
#5 BARS AND SMALLER: 1-1/2"
BARS LARGER THAN #5: 2"

12. PROVIDE GALVANIZED MASONRY ANCHORS ON BEAMS, GIRTS, AND COLUMNS IN CONTACT WITH MASONRY.

13. UNLESS OTHERWISE NOTED, PROVIDE (2) #5 BARS, FULL HEIGHT, AT EACH SIDE OF OPENINGS.

14. PROVIDE ADEQUATE TEMPORARY BRACING AS REQUIRED DURING CONSTRUCTION TO WITHSTAND ENVIRONMENTAL LATERAL LOADS AND THE PRESSURE FROM FLUID GROUT.

STRUCTURAL STEEL

1. STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

2. STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM ASTM A992. PLATES, ANGLES, CHANNELS AND MISCELLANEOUS MATERIAL SHALL CONFORM TO ASTM A36. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPE SECTIONS SHALL CONFORM TO ASTM A53, GRADE B.

3. ANCHOR RODS SHALL BE ASTM F1554, GRADE 36, 3/4" DIAMETER WITH 4" HOOKS AND 9" EMBEDMENT, UNLESS NOTED OTHERWISE.

4. HIGH STRENGTH BOLTING SHALL BE DONE IN ACCORDANCE WITH RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS".

5. BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325. BOLTS SHALL BE 3/4 INCH DIAMETER MINIMUM.

6. WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE - STEEL", LATEST EDITION. ALL WELDING ELECTRODES SHALL BE E70XX.

7. THE FABRICATOR/ERECTOR SHALL SUBMIT TO THE ARCHITECT FOR REVIEW, ENGINEERED AND CHECKED DRAWINGS SHOWING SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAM FOR ALL STRUCTURAL STEEL.

8. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE EITHER AISC SINGLE PLATE OR DOUBLE ANGLE SHEAR CONNECTIONS USING A325-N BOLTS.

9. FIELD CONNECTIONS, EXCEPT WHERE SHOWN TO BE WELDED, SHALL BE BOLTED.

10. CONNECTIONS SHALL BE DESIGNED FOR THE BEAM REACTIONS INDICATED ON THE DRAWINGS. IN CASES WHERE REACTIONS ARE NOT INDICATED, CONNECTIONS SHALL BE DESIGNED FOR 1/2 THE MAXIMUM TOTAL UNIFORM LOAD.

11. THE MINIMUM NUMBER OF BOLTS FOR ANY CONNECTION SHALL BE TWO (2). CONNECTIONS SHALL NOT BE LESS THAN ONE HALF THE DEPTH OF THE BEAM.

12. BEAMS AND JOISTS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP. PROVIDE CAMBERS AS INDICATED ON THE DRAWINGS.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH RELATION TO TEMPERATURE DIFFERENTIALS, ESPECIALLY WITH RESPECT TO STRUCTURAL STEEL FRAMING INTO CONCRETE WALLS, BEAMS OR COLUMNS.

14. THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT.

15. ERECT AND MAINTAIN TEMPORARY BRACING TO INSURE THE ALIGNMENT AND STABILITY OF THE STRUCTURE DURING ERECTION UNTIL PERMANENT CONNECTIONS HAVE BEEN COMPLETED.

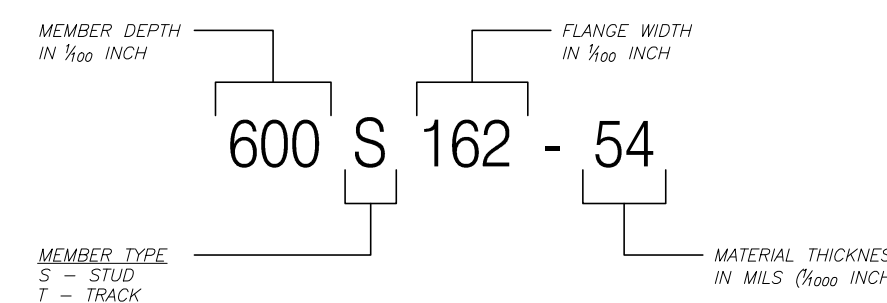
SPECIAL INSPECTION NOTES:

- 1. THE OWNER SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM SPECIAL INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE TABLE BELOW.
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
3. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE OWNER, BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON PRIOR TO THE START OF WORK BY THE APPLICANT AND THE BUILDING OFFICIAL.
6. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE - STEEL", LATEST EDITION OR AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL", LATEST EDITION. ALL WELDING ELECTRODES SHALL BE E70XX.

Table with 4 columns: TASK, FREQUENCY (CONTINUOUS, PERIODIC), REF. STANDARDS. Rows include SOILS (1-5), CONCRETE (1-7), and STEEL (1-7).

COLD-FORMED STEEL FRAMING

- 1. DESIGN AND CONSTRUCTION OF COLD-FORMED STRUCTURAL STEEL MEMBERS SHALL MEET THE CRITERIA OF THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. THE DESIGN AND DETAILING OF ALL COLD-FORMED STRUCTURAL STEEL MEMBERS IS DELEGATED TO A SPECIALTY STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS. MEMBER SIZES AND GAUGES SHOWN ON THE PLANS IS FOR BIDDING PURPOSES ONLY. FINAL DESIGN AND DETAILING SHALL BE PROVIDED BY THE COLD-FORMED STEEL CONTRACTOR. FULLY DETAILED SHOP DRAWINGS AND CALCULATIONS PREPARED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE OF ILLINOIS SHALL BE SUBMITTED FOR REVIEW.
3. THE FOLLOWING INDUSTRY STANDARD DESIGNATOR SYSTEM HAS BEEN USED TO IDENTIFY ALL COLD FORMED STEEL MEMBERS ON THESE PLANS:



4. COLD-FORMED STEEL MEMBERS SHALL BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COATING COMPLYING WITH THE REQUIREMENTS OF ASTM A955.

COLD-FORMED STEEL FRAMING CONT.

5. GALVANIZED STUDS, JOISTS, STRAPS AND TRACKS 12, 14, AND 16 GAUGE SHALL BE FORMED FROM STEEL THAT MEETS THE REQUIREMENTS OF ASTM A1003, WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.

6. GALVANIZED STUDS, JOISTS, STRAPS, TRACKS BRIDGING, END CLOSURES AND ACCESSORIES 18 AND 20 GAUGE SHALL BE FORMED FROM STEEL THAT MEETS THE REQUIREMENTS OF ASTM A1003, WITH A MINIMUM YIELD STRENGTH OF 33,000 PSI.

7. WALL BRIDGING SHALL BE INSTALLED IN A MANNER TO PREVENT STUD ROTATION AND BE SPACED NO MORE THAN 4'-0" ON CENTER.

8. THE INSTALLER IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING UNTIL ALL ELEMENTS ARE SECURE AND CONNECTIONS COMPLETED.

9. WEB STIFFENERS SHALL BE PROVIDED AT REACTION POINTS OR AREAS OF CONCENTRATED LOADS.

10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS FOR TESTING AND/OR SPECIAL INSPECTIONS IN ACCORDANCE WITH THE BUILDING CODE AND PROJECT SPECIFICATIONS.



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Table with 3 columns: NO., DATE, DESCRIPTION. Rows are empty.

REVISIONS

Table with 3 columns: NO., DATE, DESCRIPTION. Rows are empty.

1. ALL SOIL SUPPORTED FOOTINGS SHALL BE FOUNDED UPON UNDISTURBED, NATURAL SOIL SUBGRADE OR ON THOROUGHLY TESTED AND APPROVED FILL WITH A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3,000 PSF AS FIELD VERIFIED AND APPROVED BY THE OWNER'S SOIL TESTING AGENCY.

2. THE SOIL SUBGRADE FOR ALL FOOTINGS AND SLABS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S TESTING LABORATORY IMMEDIATELY PRIOR TO PLACING CONCRETE.

3. ALL FOOTING AND SLAB SUBGRADES, INCLUDING PIT SLABS, SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR (ASTM D698) MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, AS REQUIRED.

4. ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM SUBGRADE AND BACKFILL AREAS AND BACKFILLED WITH SELECT FILL, COMPACTED TO 98 PERCENT OF STANDARD PROCTOR (ASTM D698) MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.

5. DO NOT UNDERMINE EXISTING CONSTRUCTION.

6. PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS.

7. NO MUD SLABS, FOOTINGS OR SLABS SHALL BE PLACED ONTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST OR ICE.

8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE. SUCH PROTECTION IS ADDITIONAL SCOPE.

First Street Plaza Improvements
City of St. Charles
2 East Main Street
St. Charles, Illinois 60174

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SHEET TITLE

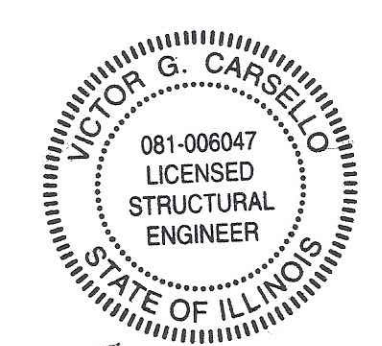
GENERAL NOTES

PROJ. NO.: SHEET NO.

2021.02.00

DATE: 10 24 22

S0.1



DATE: 10.24.22 EXPIRES: 11.30.22

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# MAIN STREET ROUTE 64



**SERENA STURM**  
ARCHITECTS

1011 Geneva Road - St. Charles, IL 60174  
T 312.235.5048  
WWW.SERENASTURM.COM

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REVISIONS

NO.	DATE	DESCRIPTION

ZAZA  
3 1ST ST

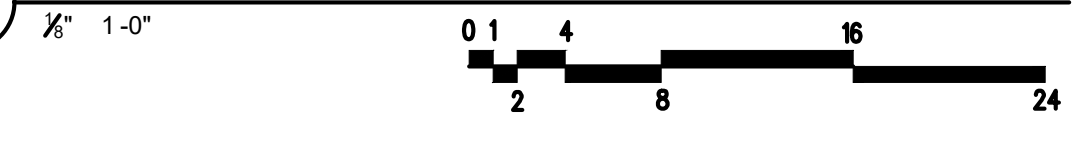
FIRST  
STREET

ALTER BREWING  
12 S 1ST ST

EXISTING  
RIVERWALK

- PLAN NOTES**
1. T/FOOTING ELEV. = -4'-0" BELOW T/PIER.
  2. F1 INDICATES 2'-6"x2'-6"x1'-0" FOOTING CENTERED ON PIER. SEE SECTION 3/S2.1 FOR REINF. PX (XX,XX') INDICATES CONCRETE PIER MARK AND T/PIER ELEVATION. SEE SHEET S2.1 FOR PIER SCHEDULE AND DETAILS.
  2. F2 INDICATES 2'-6"x2'-6"x1'-0" FOOTING OFFSET F1/PIER CENTERLINE TO AVOID RETAINING WALL FTG. SEE SECTION 4/S2.1 FOR REINF.
  3. P1 (XX,XX') INDICATES 18"x CONCRETE PIER AND T/PIER ELEVATION. SEE SHEET S2.1 FOR PIER REINFORCING AND DETAILS.
  4. C1 INDICATES BUILT-UP STEEL TRELLIS COLUMN. SEE SHEET S3.1 FOR TYPICAL COLUMN AND BASE DETAILS.
  5. SEE SHEET S0.1 FOR GENERAL NOTES.
  6. SEE SHEET S2.1 FOR TYPICAL FOUNDATION DETAILS.
  7. SEE ARCHITECTURAL SITE PLANS FOR ADDITIONAL KIOSKS AND SEAT WALL LOCATIONS NOT SHOWN ON THIS PLAN.

1 TRELLIS FOUNDATION PLAN



**First Street Plaza Improvements**

City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

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TRELLIS  
FOUNDATION PLAN

PROJ. NO. SHEET NO.

2021.02.00 S1.1

DATE: 10/24/22

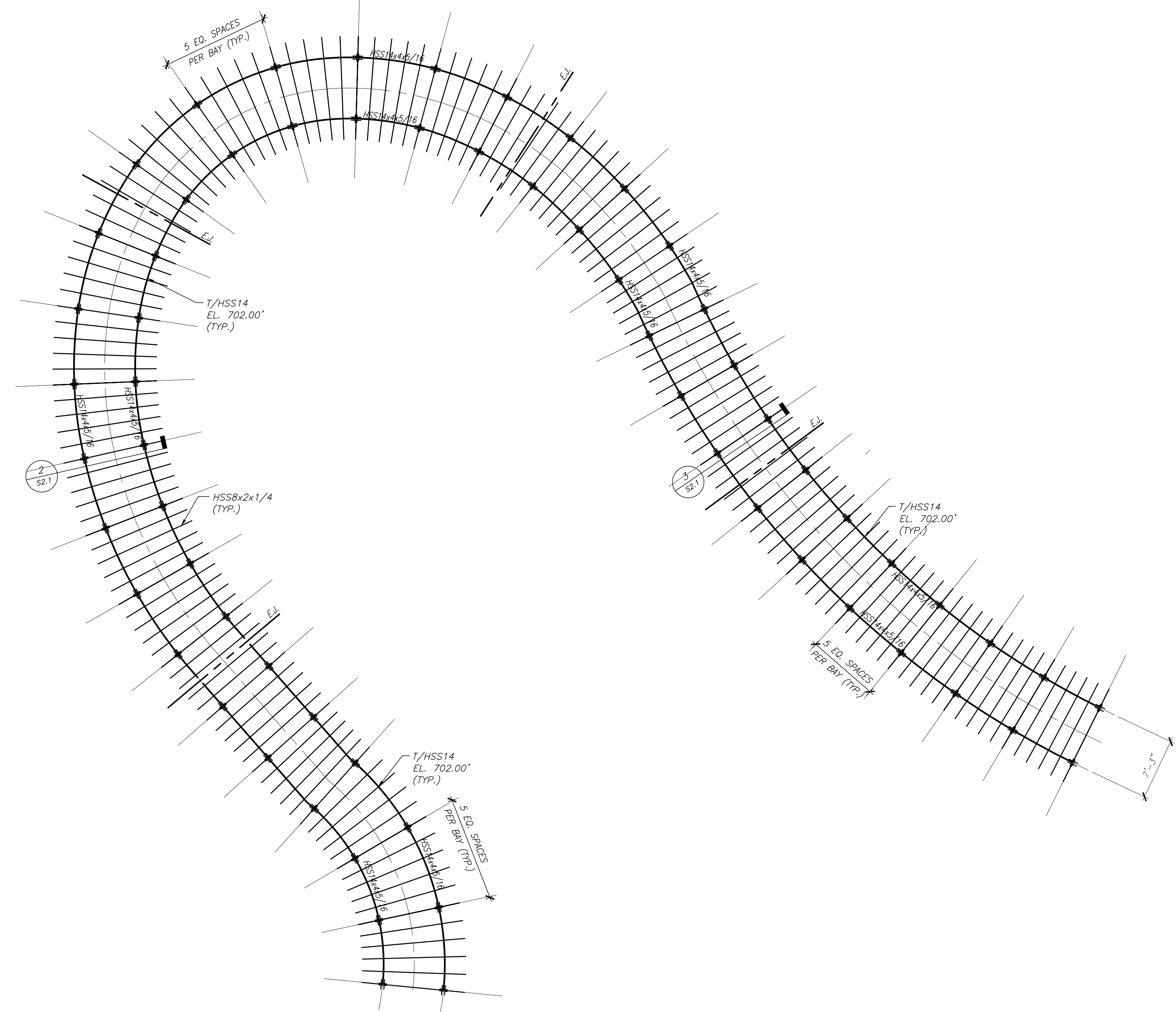
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NO.	DATE	DESCRIPTION



- PLAN NOTES**
1. T/HSS14 EL. = 702.00' (U.N.O.)
  2. E.J. INDICATES HSS14 EXPANSION JOINT. SEE 2/S3.1.
  3. SEE SHEET S0.1 FOR GENERAL NOTES
  4. SEE SHEET S3.1 FOR TYP. FRAMING DETAILS.

1 TRELIS FRAMING PLAN

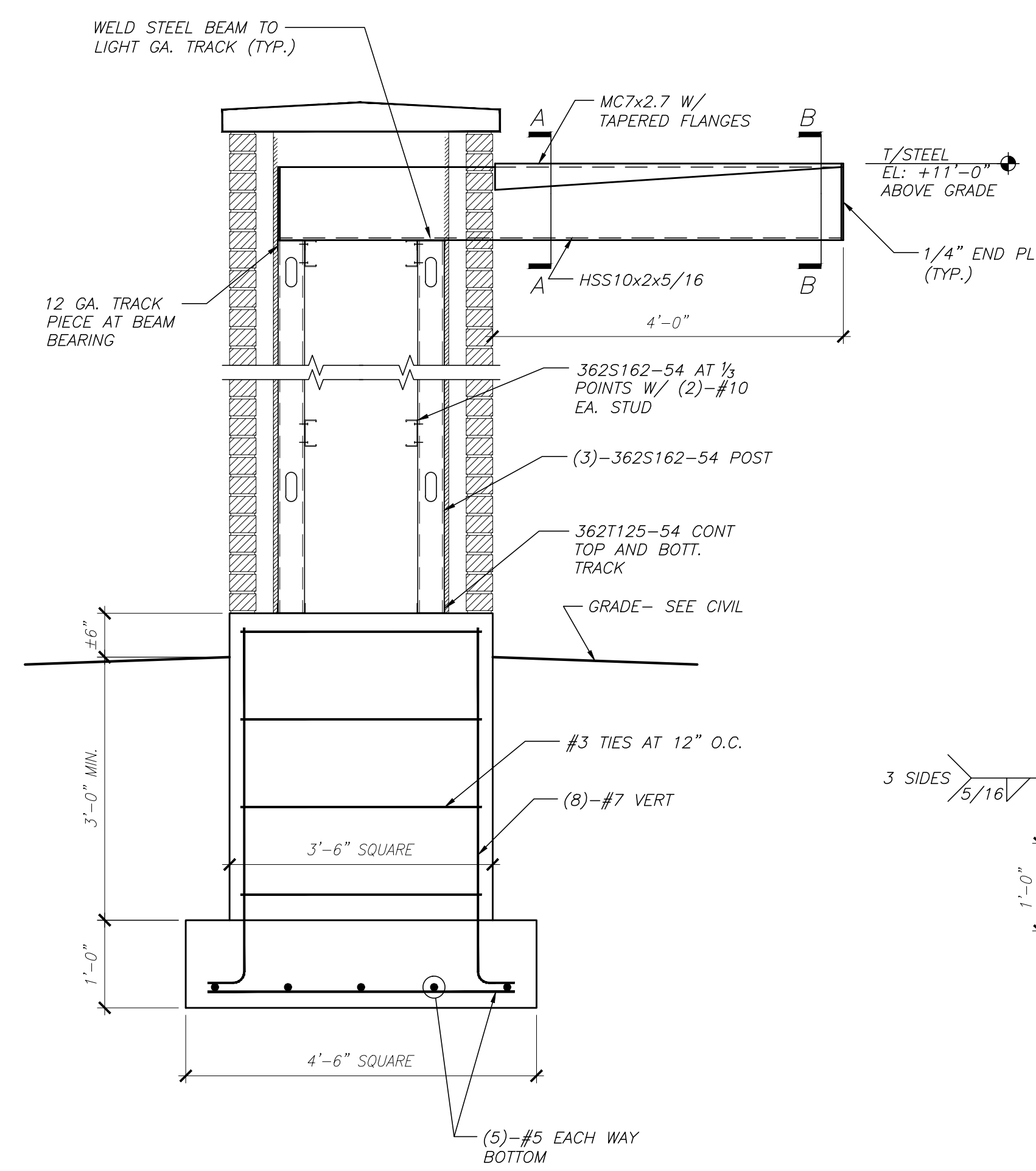
1/8" = 1'-0"

**First Street Plaza Improvements**  
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2 East Main Street  
St. Charles, Illinois 60174

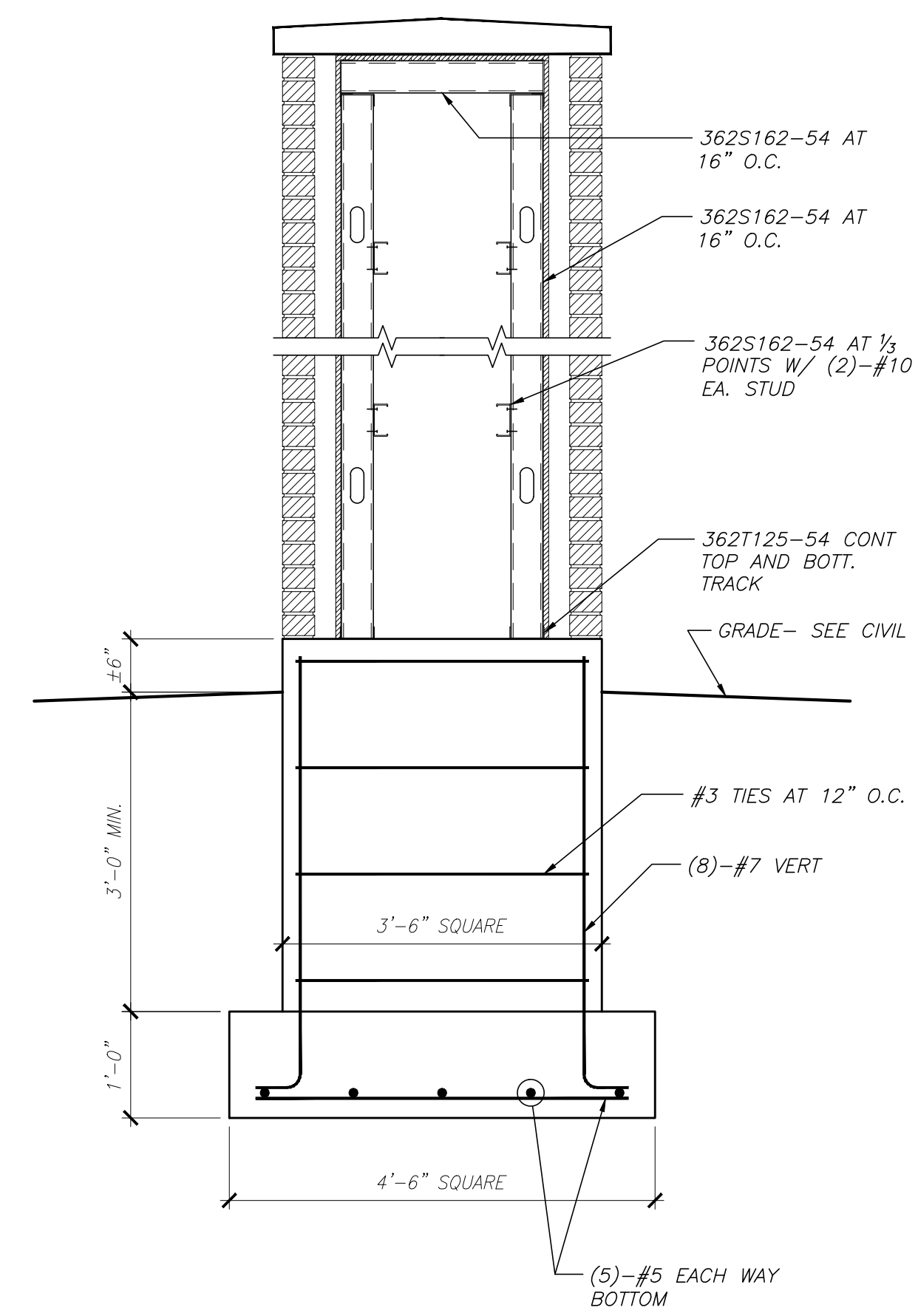
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SHEET TITLE	
TRELIS FRAMING PLAN	
PROJ. NO. 2021.02.00	SHEET NO. S1.2
DATE: 10/24/22	

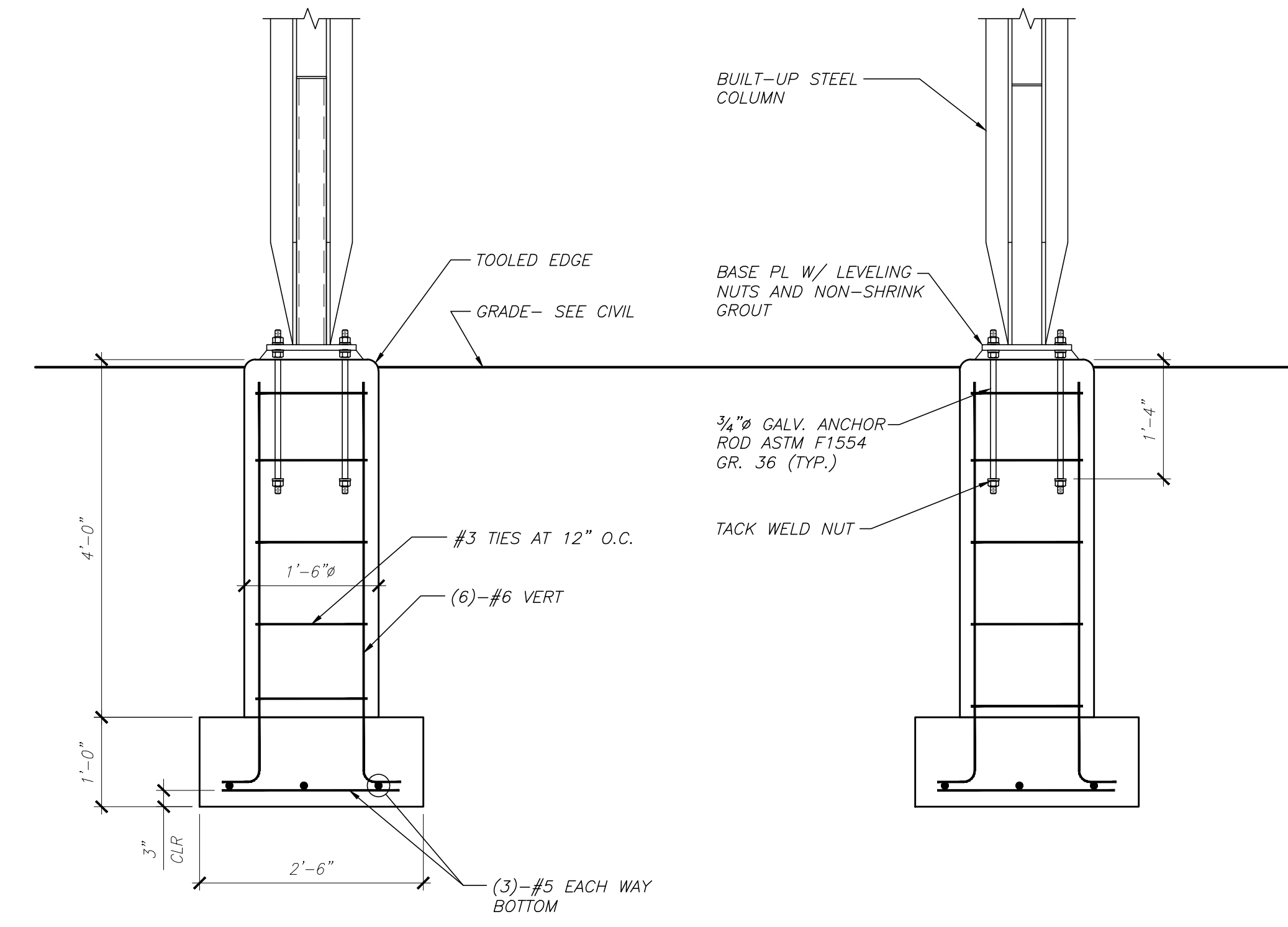




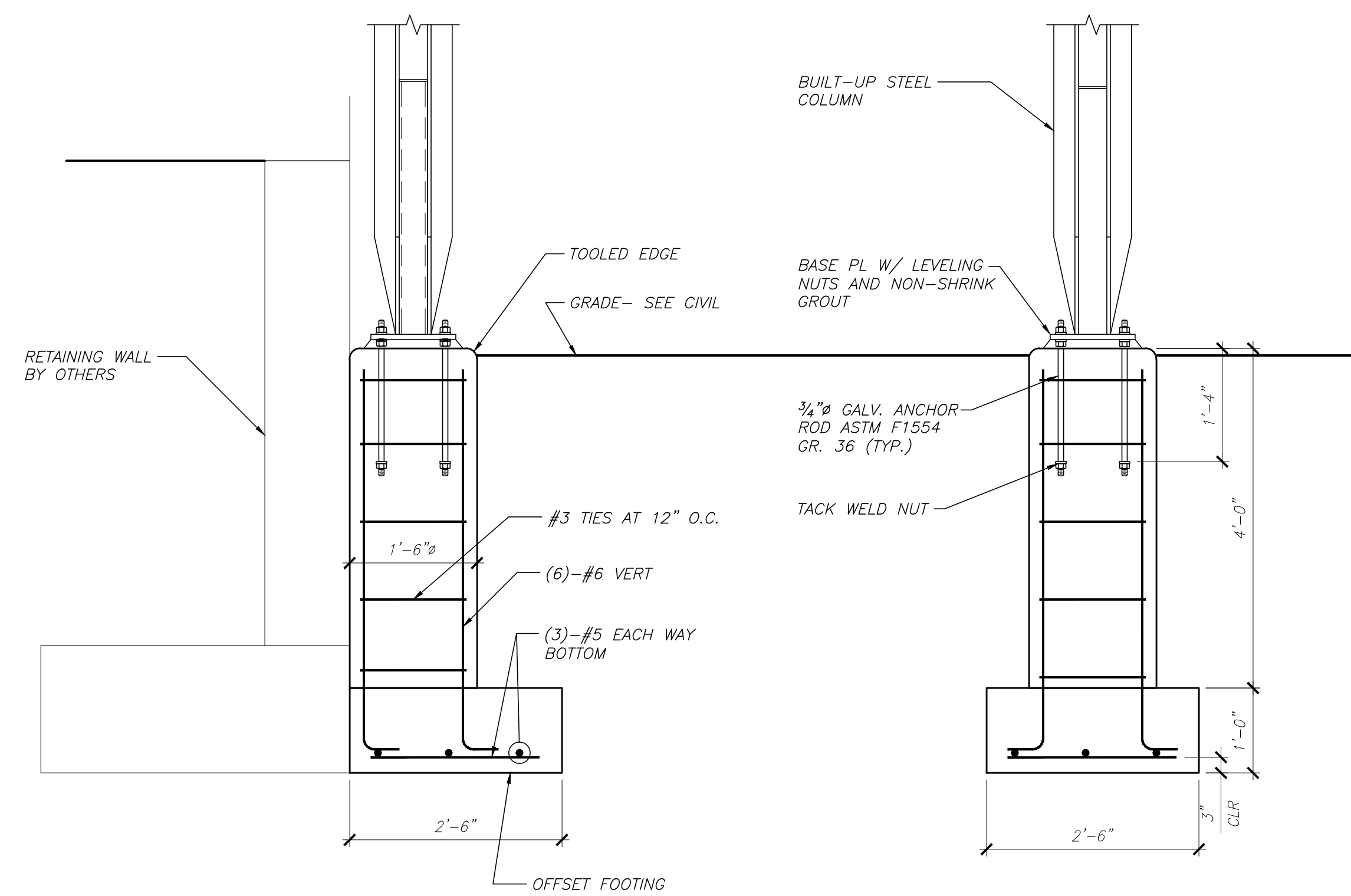
1 KIOSK SECTION -  
S2.1 AT OUTRIGGER



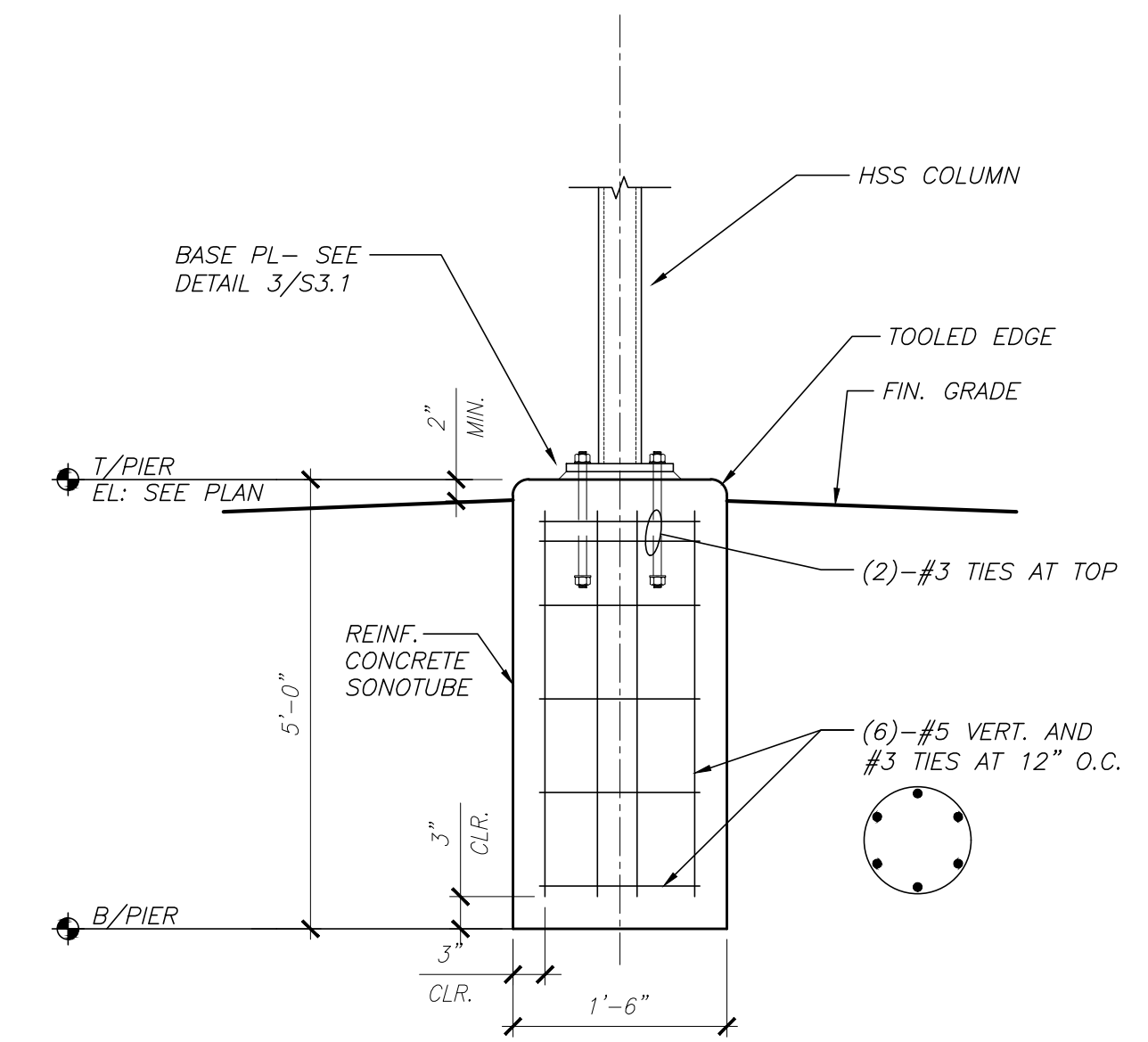
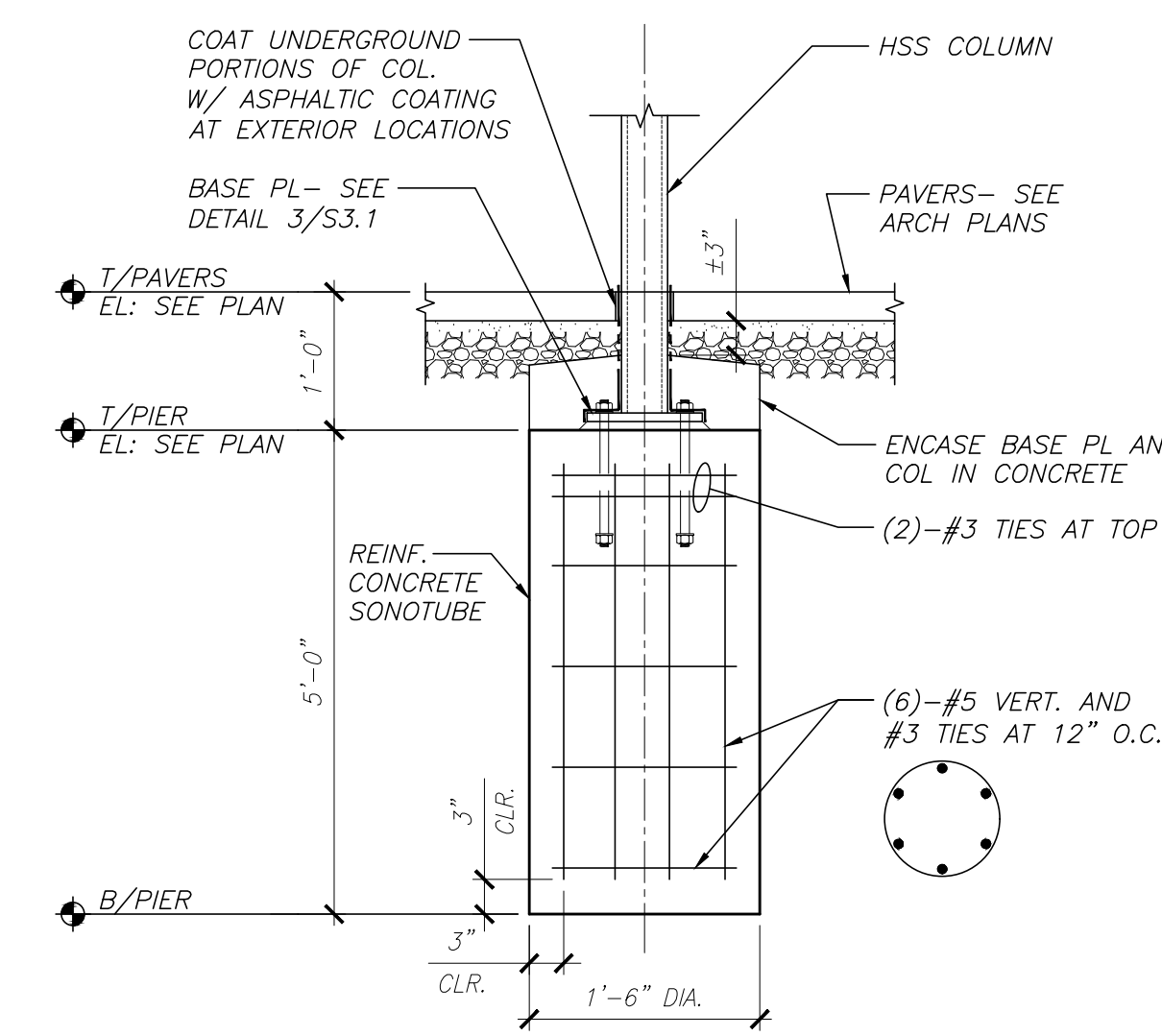
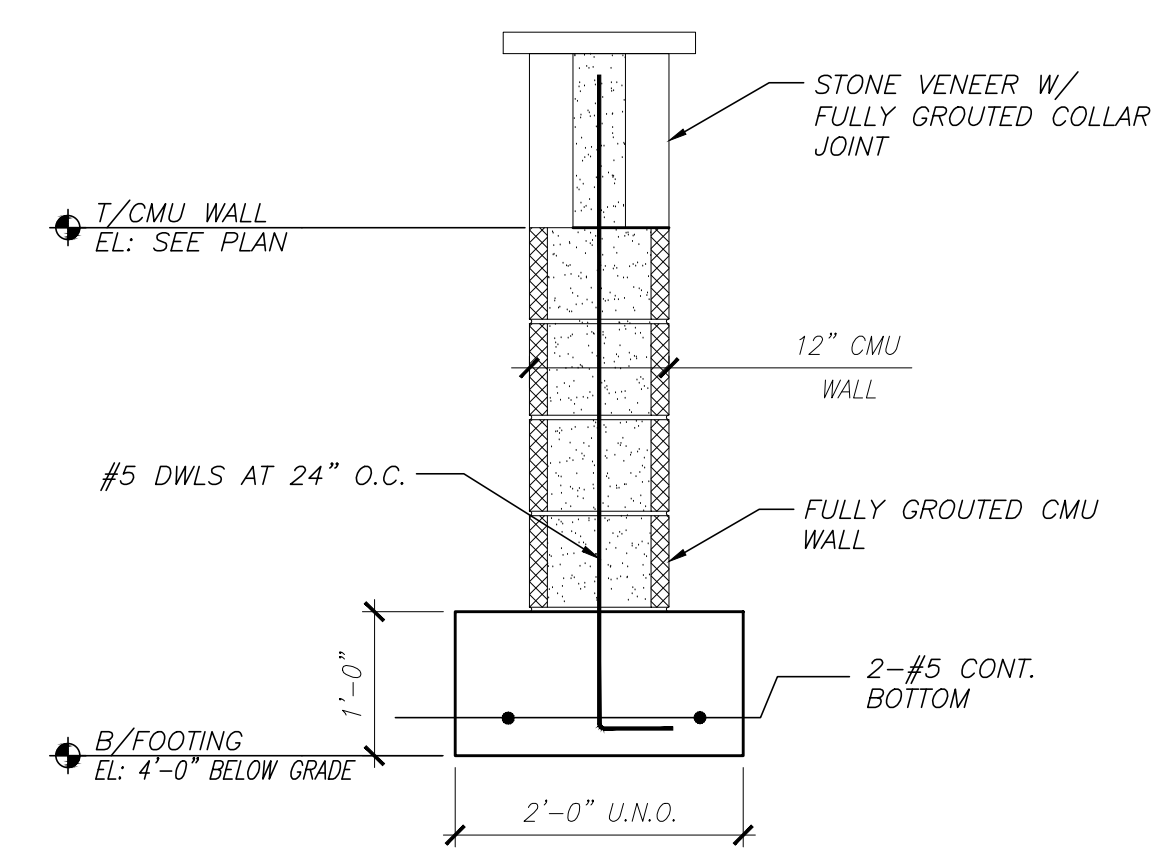
2 KIOSK SECTION -  
S2.1 LIGHT GAUGE



3 TYP. TRELIS FNDN  
S2.1 SECTION



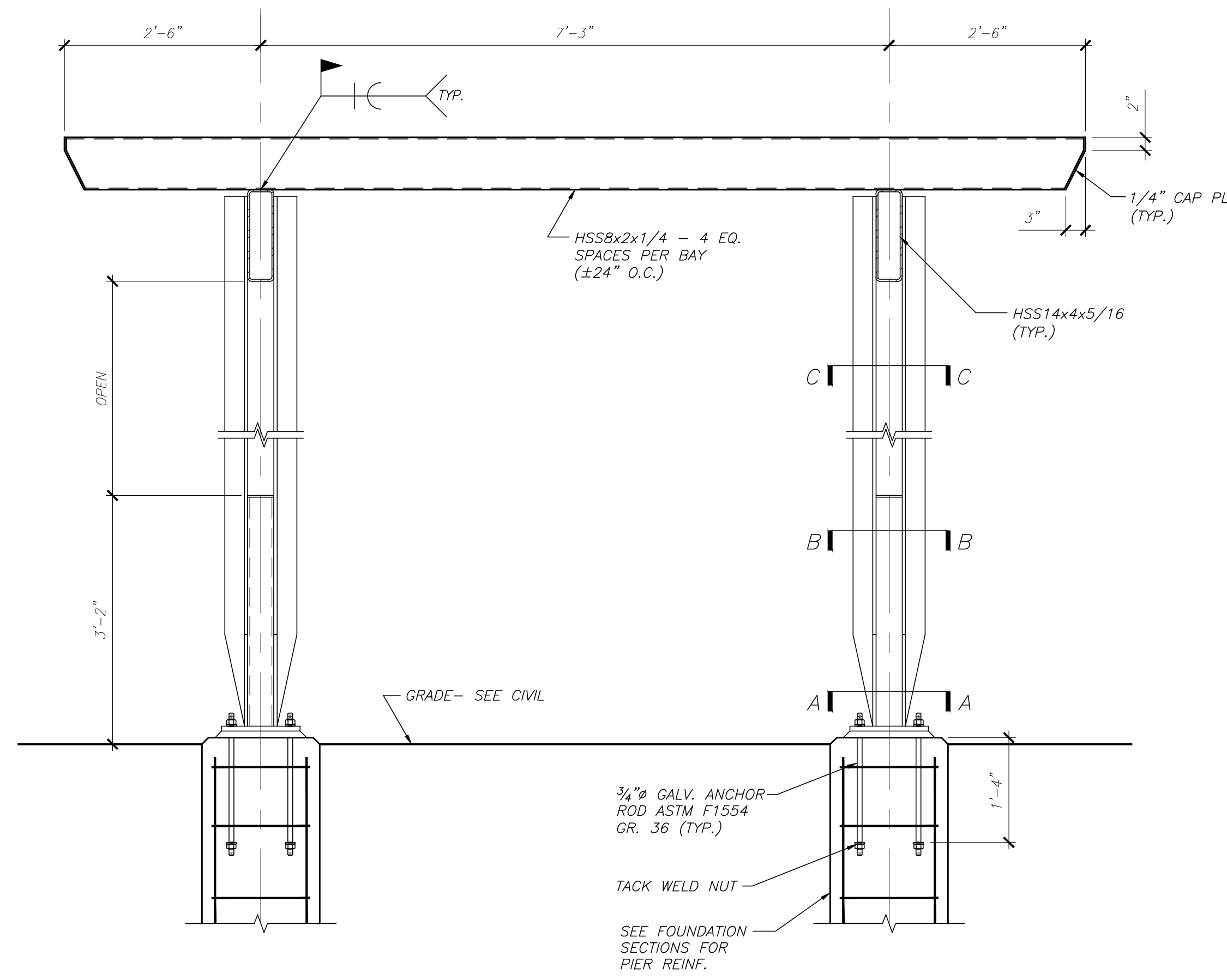
4 TYP. TRELIS FNDN  
S2.1 SECTION



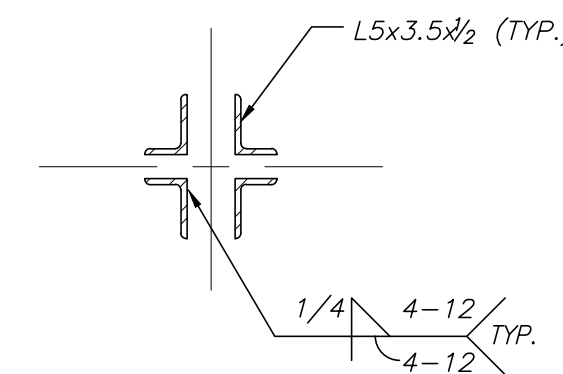
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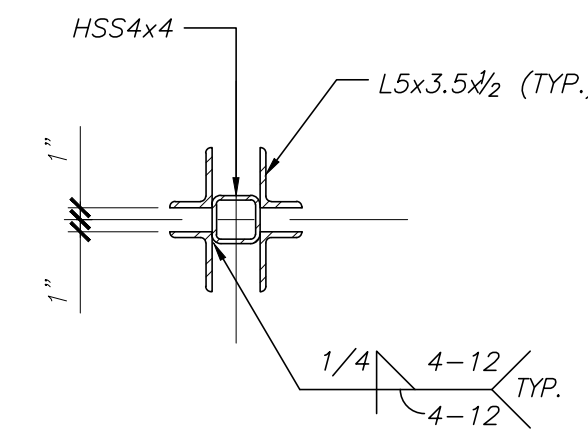




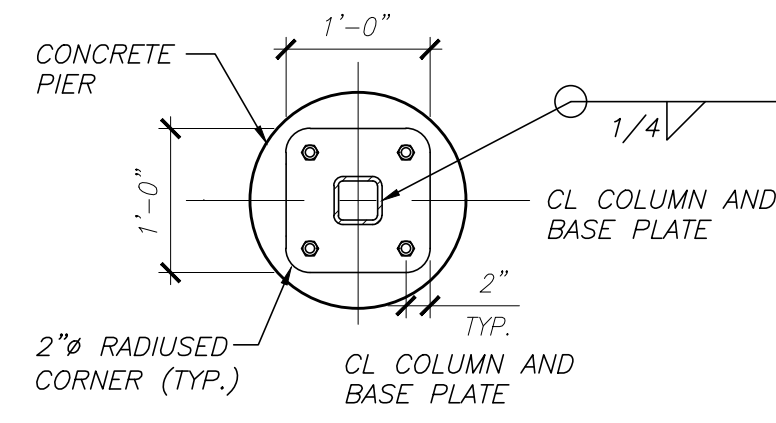
1  
S3.1 TYP. TRELLIS SECTION



SECTION C-C

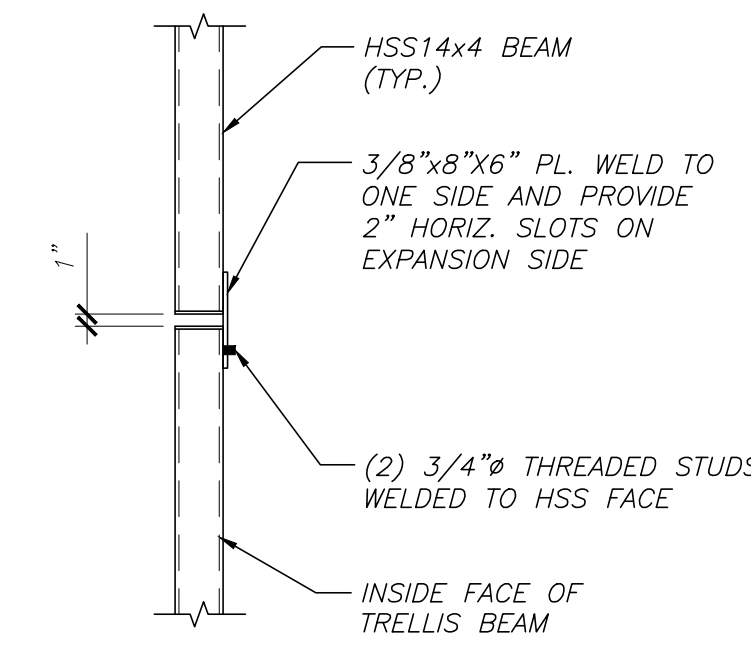


SECTION B-B

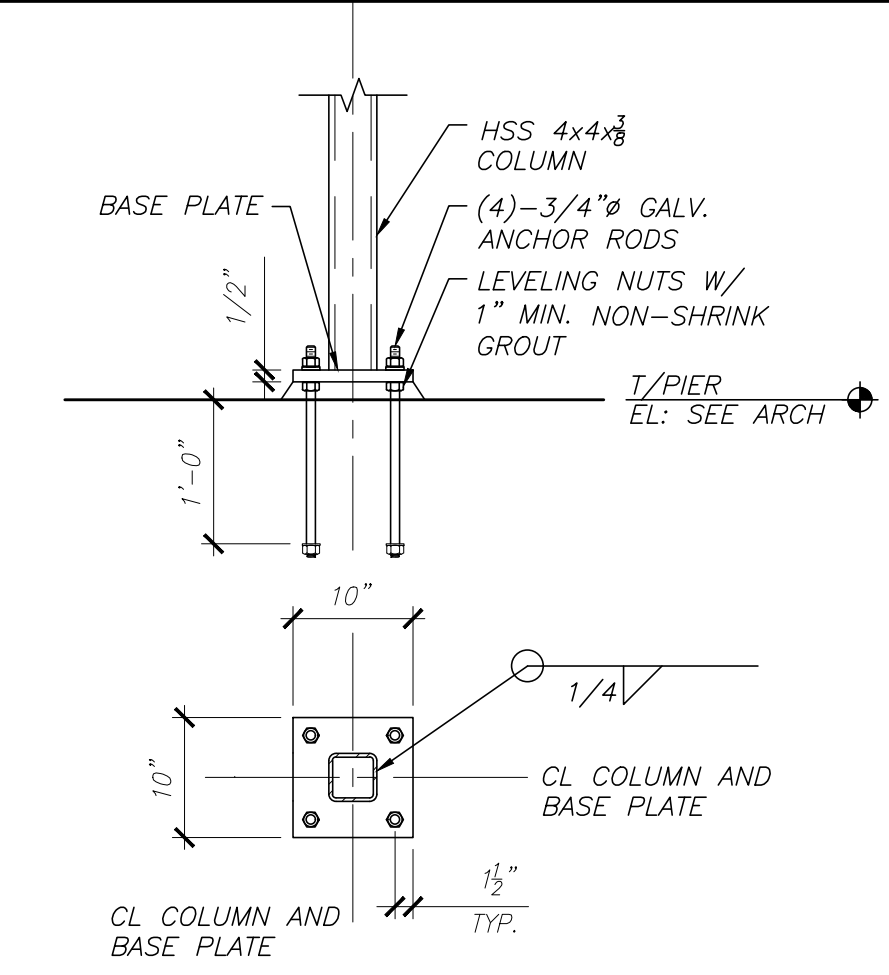


SECTION A-A

TRELLIS NOTES:  
 1. ALL STEEL TO BE ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) CATEGORY 1, IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (ANSI/AISC 303-16)  
 2. SEE ARCH DRAWINGS FOR FINISHED COATING SPECIFICATIONS  
 3. PROVIDE EXPANSION JOINT IN HSS14x4 BEAMS EVERY ±50' (AT MID-BAYS) PER PLAN. SEE 2/S3.1



2  
S3.1 TRELLIS BEAM EXP. JOINT DETAIL



3  
S3.1 STRING LIGHT BASE PLATE DETAIL

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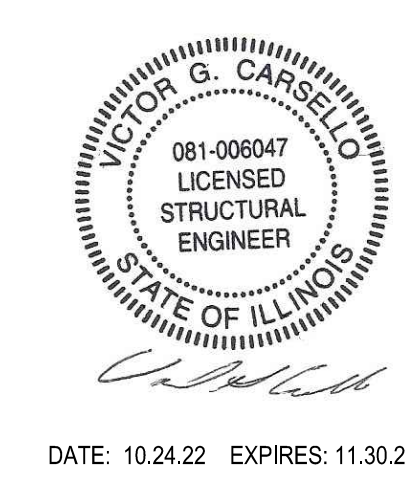
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NO.	DATE	DESCRIPTION

**First Street Plaza Improvements**  
 City of St. Charles  
 2 East Main Street  
 St. Charles, Illinois 60174

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SHEET TITLE  
**FRAMING DETAILS**

PROJ. NO.:  
 2021.02.00  
 SHEET NO.:  
**S3.1**  
 DATE:  
 10/24/22







NOTE: SEE SHEETS A1.1 AND A1.2 FOR PAVER TYPES DESIGNATIONS LEGEND AND PATTERNS.

MATCH LINE  
 SHEET A1.1  
 SHEET A1.2

### PAVER LEGEND

AREAS ADJACENT TO BUILDINGS LA ZAZA'S, ALTER BREWING, LA MESA):  
 EXISTING CLAY BRICK PAVERS, 4x8 (DARK VERSION), RUNNING BOND WITH SAILOR COURSE BORDER (DARK VERSION)

20 OVAL PLAZA & PARTIAL FIRST STREET (UNILOCK PRODUCTS):  
 ECO-PRIORA, 9.5"x4.5", BASKETWEAVE PATTERN E, SIERRA COLOR

FIRST STREET (UNILOCK PRODUCTS):  
 30 PROMENADE PLANK PAVER, 4"x16", STAGGERED RUNNING BOND WITH 1/3 OVERLAP, SMOOTH PREMIER FINISH, OPAL BLEND COLOR  
 3b ECO-PRIORA, 4.5"x4.5", PATTERN B RUNNING BOND, GRANITE COLOR  
 3c ECO-PRIORA, 9.5"x9.5", PATTERN B RUNNING BOND, GRANITE COLOR

Eco-Priora, 10x5, basketweave pattern E, Sierra color.

Promenade plank paver, 4x16, staggered running bond with 1/3 overlap pattern B, smooth premier finish, Opal blend color.

Eco-Priora, 5x5 and 10x10, running bond pattern B, Granite color.

(Image for color only)

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NO.	DATE	DESCRIPTION

**First Street Plaza Improvements**  
 City of St. Charles  
 2 East Main Street  
 St. Charles, Illinois 60174

DRAWN BY: <b>BRE/DAD</b>	CHECKED BY: DAD
PROJ. ARCH: DAD	PROJ. MGR: MJS

SHEET TITLE  
**ARCHITECTURAL SITE PLAN**

PROJ. NO.: 2021.09.00	SHEET NO. <b>A1.0</b>
DATE: 10/24/22	

**1 SITE PLAN**

1/16" = 1'-0"



**PAVER LEGEND**

	EXISTING PAVERS TO REMAIN
	REINSTALL SALVAGED PAVERS
	REINSTALL SALVAGED CLAY BRICK PAVERS, 4"x8" (DARK VERSION), RUNNING BOND WITH SALOR COURSE BORDER
	UNBLOCK ECO-PRIORA, 9.5"x4.5", BASKETWEAVE PATTERN E, COLOR: SIERRA
	UNBLOCK PROMENADE PLANK, 4"x16", STAGGERED RUNNING BOND WITH 1/3 OVERLAP, SMOOTH PREMIER FINISH, COLOR: OPAL BLEND
	UNBLOCK ECO-PRIORA, 9.5"x4.5", PATTERN B RUNNING BOND, COLOR: GRANITE (ACCENT BAND, ONE COURSE WIDE)
	UNBLOCK ECO-PRIORA, 9.5"x9.5", PATTERN B RUNNING BOND, COLOR: GRANITE



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NO.	DATE	DESCRIPTION

**First Street Plaza Improvements**  
City of St. Charles  
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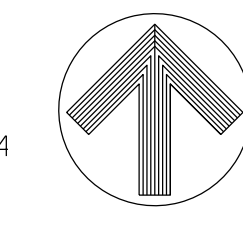
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DAD	DAD
PROJ. ARCH:	PROJ. MGR:
MJS	MJS

SHEET TITLE

**PARTIAL SITE PLAN - NORTH**

PROJ. NO.:	SHEET NO.:
2021.09.00	A1.1
DATE:	
10/24/22	

**1 PARTIAL SITE PLAN**  
1/8" = 1'-0"



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**PAVER LEGEND**

	EXISTING PAVERS TO REMAIN
	REINSTALL SALVAGED PAVERS
	REINSTALL SALVAGED CLAY BRICK PAVERS, 4"x8" (DARK VERSION), RUNNING BOND WITH SALOR COURSE BORDER
	UNILOCK, ECO-PRIORA, 9.5"x4.5", BASKETWEAVE PATTERN, COLOR: SIERRA
	UNILOCK, PROMENADE PLANK, 4"x16", STAGGERED RUNNING BOND WITH 1/3 OVERLAP, SMOOTH PREMIER FINISH, COLOR: OPAL BLEND
	UNILOCK, ECO-PRIORA, 4.5"x4.5", PATTERN B RUNNING BOND, COLOR: GRANITE (ACCENT BAND, ONE COURSE WIDE)
	UNILOCK, ECO-PRIORA, 9.5"x9.5", PATTERN B RUNNING BOND, COLOR: GRANITE

MATCH LINE SEE SHEET A1.1



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**REVISIONS**

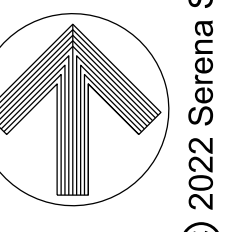
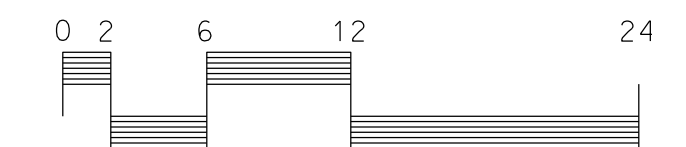
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City of St. Charles  
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SHEET TITLE <b>PARTIAL SITE PLAN - SOUTH</b>	
PROJ. NO.: 2021.09.00	SHEET NO. <b>A1.2</b>
DATE: 10/24/22	

**1 PARTIAL SITE PLAN**  
1/8" = 1'-0"



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MAIN STREET  
(ROUTE 64)

FOX RIVER

FOX RIVER

LA ZAZA  
5 S 1ST ST

1ST ST

FIRST STREET

ALTER BREWING  
12 S 1ST ST

MATCH LINE

PV PANELS, RAIL MOUNTED  
ON TOP OF JOISTS  
(2 PER TRELIS BAY)

STEEL TUBE JOISTS PER  
STRUCTURAL DRAWINGS  
(5 EQUAL SPACES PER BAY)

LIGHT FIXTURE MOUNTED  
TO STEEL PLATE ON JOISTS

STEEL TUBE BEAMS PER  
STRUCTURAL DRAWINGS

W.P. - 0M 401  
(HYDRANT)

EXISTING RIVERWALK

GENERAL NOTES

A. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

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REVISIONS

NO.	DATE	DESCRIPTION

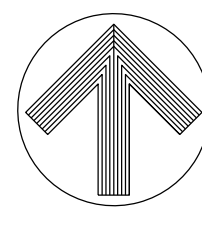
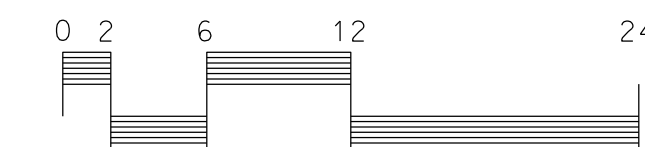
**First Street Plaza Improvements**  
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

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PROJ. ARCH: <b>DAD</b>	PROJ. MGR: <b>MJS</b>

SHEET TITLE <b>TRELIS JOISTS PLAN</b>	
PROJ. NO.: 2021.09.00	SHEET NO. <b>A1.3</b>
DATE: 10/24/22	

**1 PARTIAL SITE PLAN**

1/8" = 1'-0"







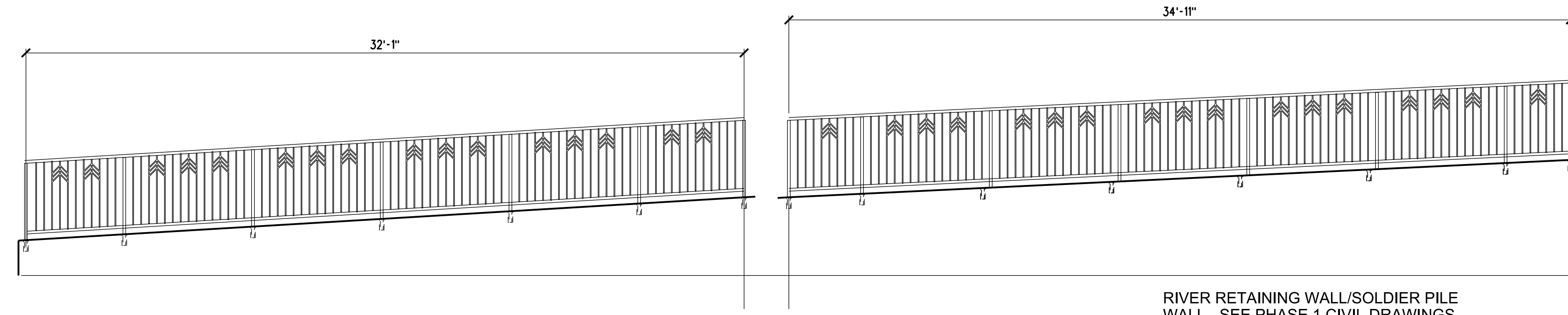


NO.	DATE	DESCRIPTION

DRAWN BY:	CHECKED BY:
DAD	DAD
PROJ. MGR:	MJS

SHEET TITLE	
ELEVATIONS - RAILINGS	
PROJ. NO.: 2021.09.00	SHEET NO. <b>A3.1</b>
DATE: 10/24/22	

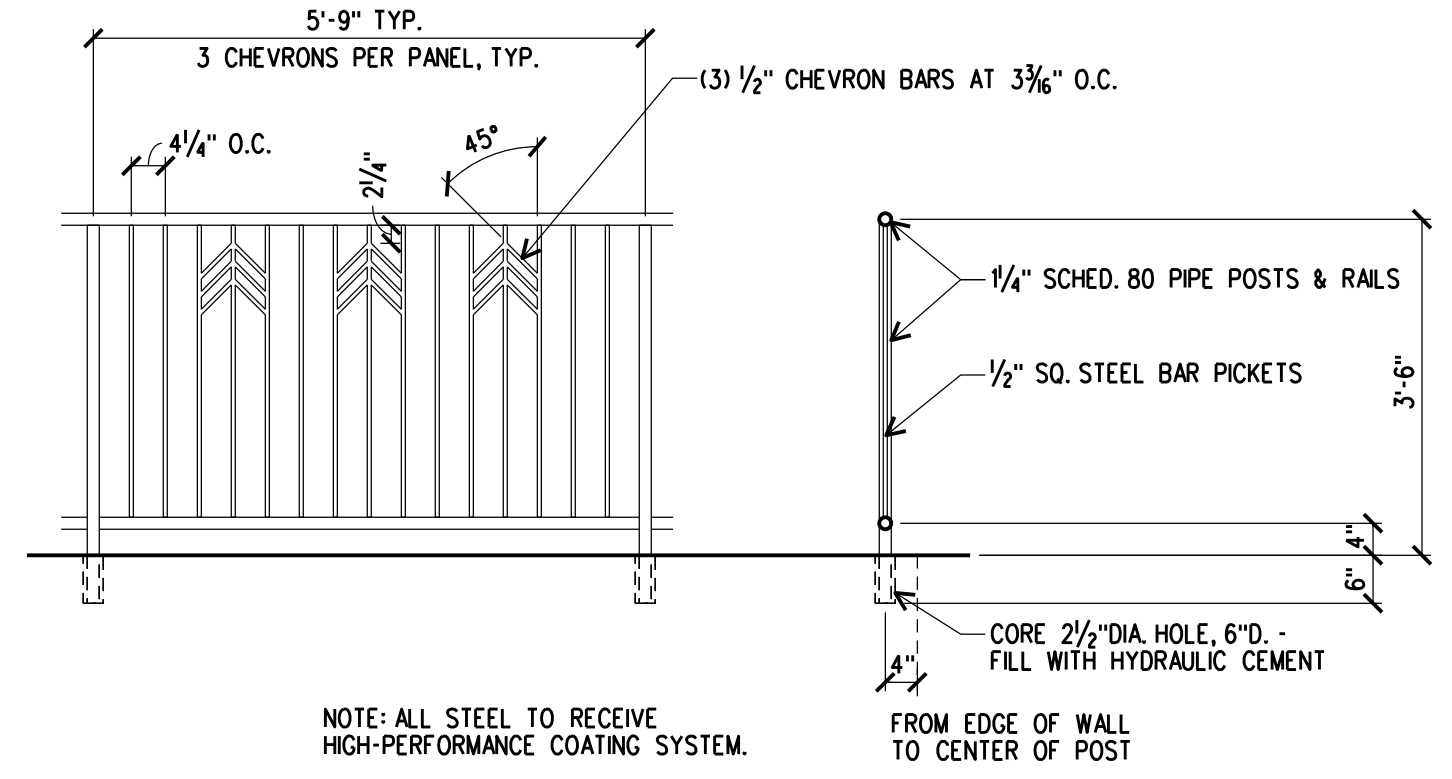
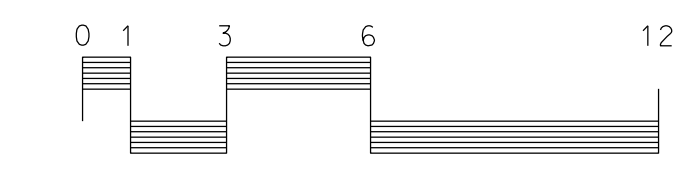
© 2022 Serena Sturm Architects, Ltd.



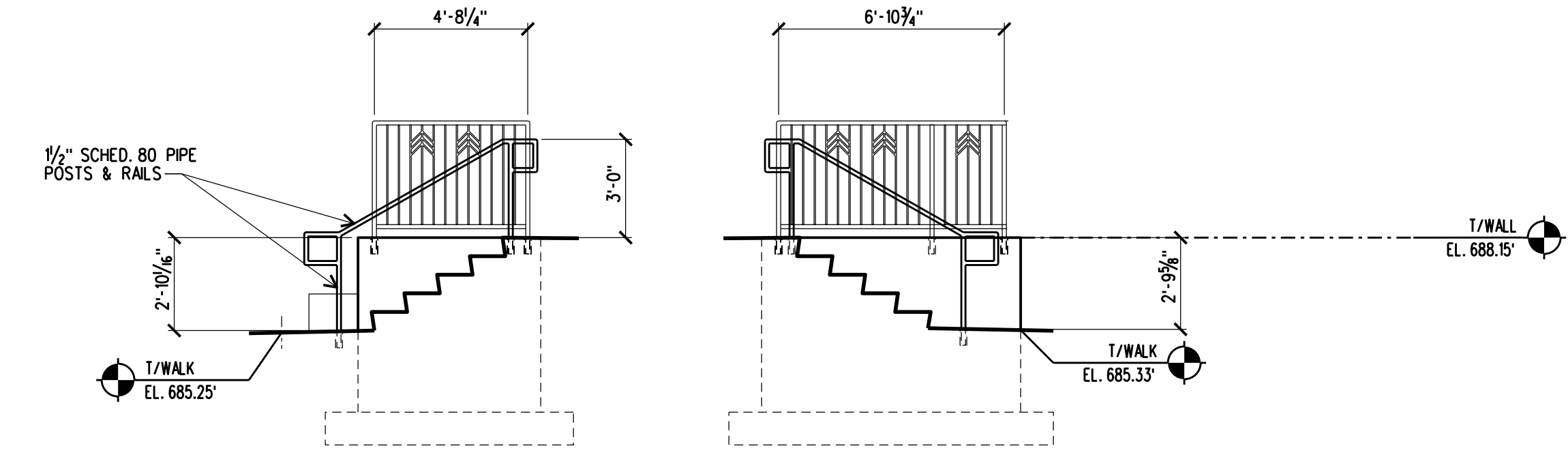
RIVER RETAINING WALL/SOLDIER PILE WALL - SEE PHASE 1 CIVIL DRAWINGS  
NOTE: VERIFY ALL TOP OF WALL ELEVATIONS AND WALL LENGTHS WITH CIVIL DRAWINGS.

**4** ELEVATION - RAILING AT RIVER RETAINING WALL/SOLDIER PILE WALL

1/4" = 1'-0"



TYPICAL RAILING DETAILS  
1/2" = 1'-0"

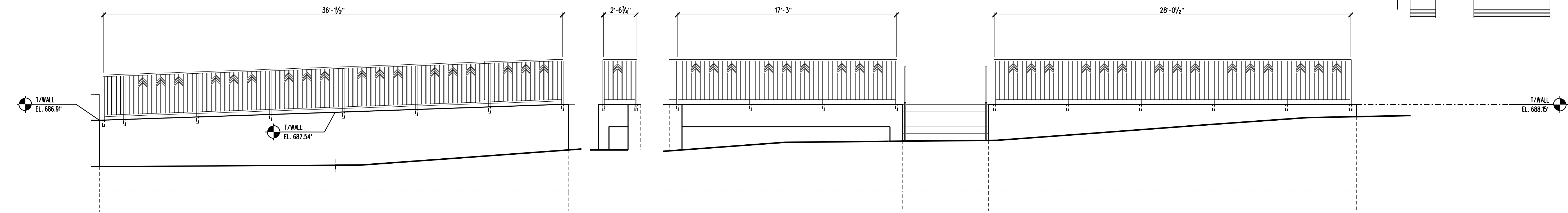
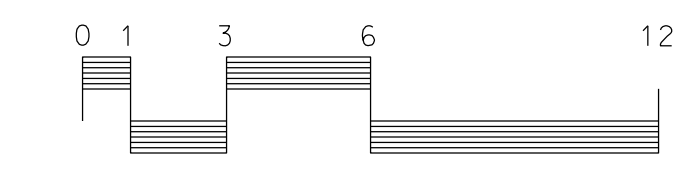


WALL C - SEE CIVIL STRUCTURAL DRAWINGS  
WALL B - SEE CIVIL STRUCTURAL DRAWINGS

NOTE: VERIFY ALL TOP OF WALL ELEVATIONS AND WALL LENGTHS WITH CIVIL DRAWINGS.

**3** ELEVATION - RAILINGS AT STAIR (WALLS B & C)

1/4" = 1'-0"

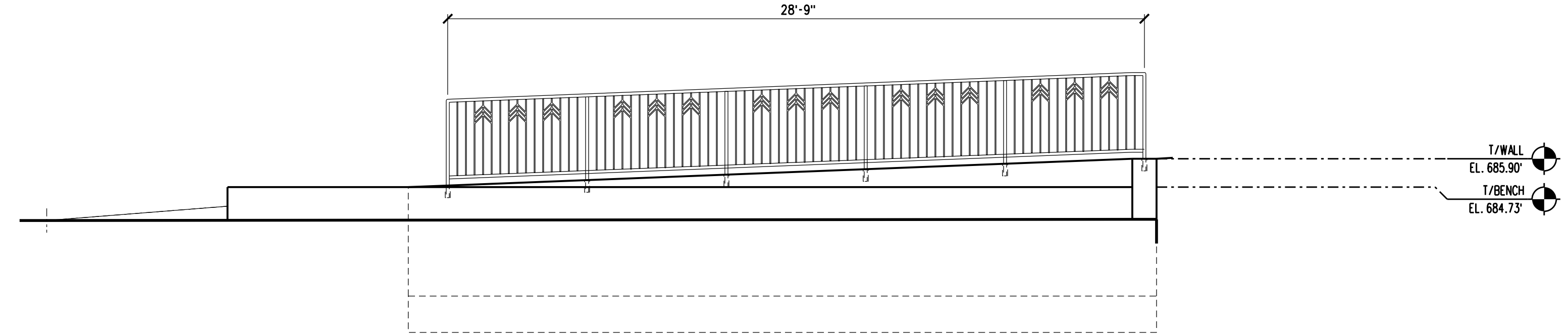
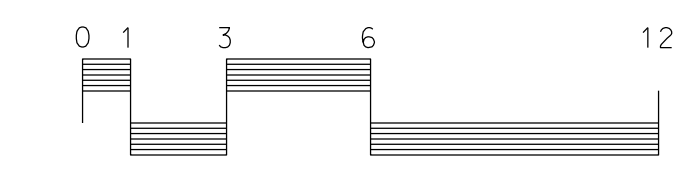


WALL C - SEE CIVIL STRUCTURAL DRAWINGS  
WALL B - SEE CIVIL STRUCTURAL DRAWINGS

NOTE: VERIFY ALL TOP OF WALL ELEVATIONS AND WALL LENGTHS WITH CIVIL DRAWINGS.

**2** ELEVATION - RAILINGS AT RETAINING WALLS (WALL B & C)

1/4" = 1'-0"

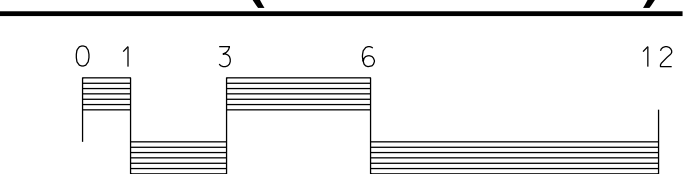


WALL A - SEE CIVIL STRUCTURAL DRAWINGS

NOTE: VERIFY ALL TOP OF WALL ELEVATIONS AND WALL LENGTHS WITH CIVIL DRAWINGS.

**1** ELEVATION - RAILING AT RETAINING WALL/BENCH (WALL A)

1/4" = 1'-0"





CONSULTANTS

REVISIONS

NO.	DATE	DESCRIPTION

**First Street Plaza Improvements**

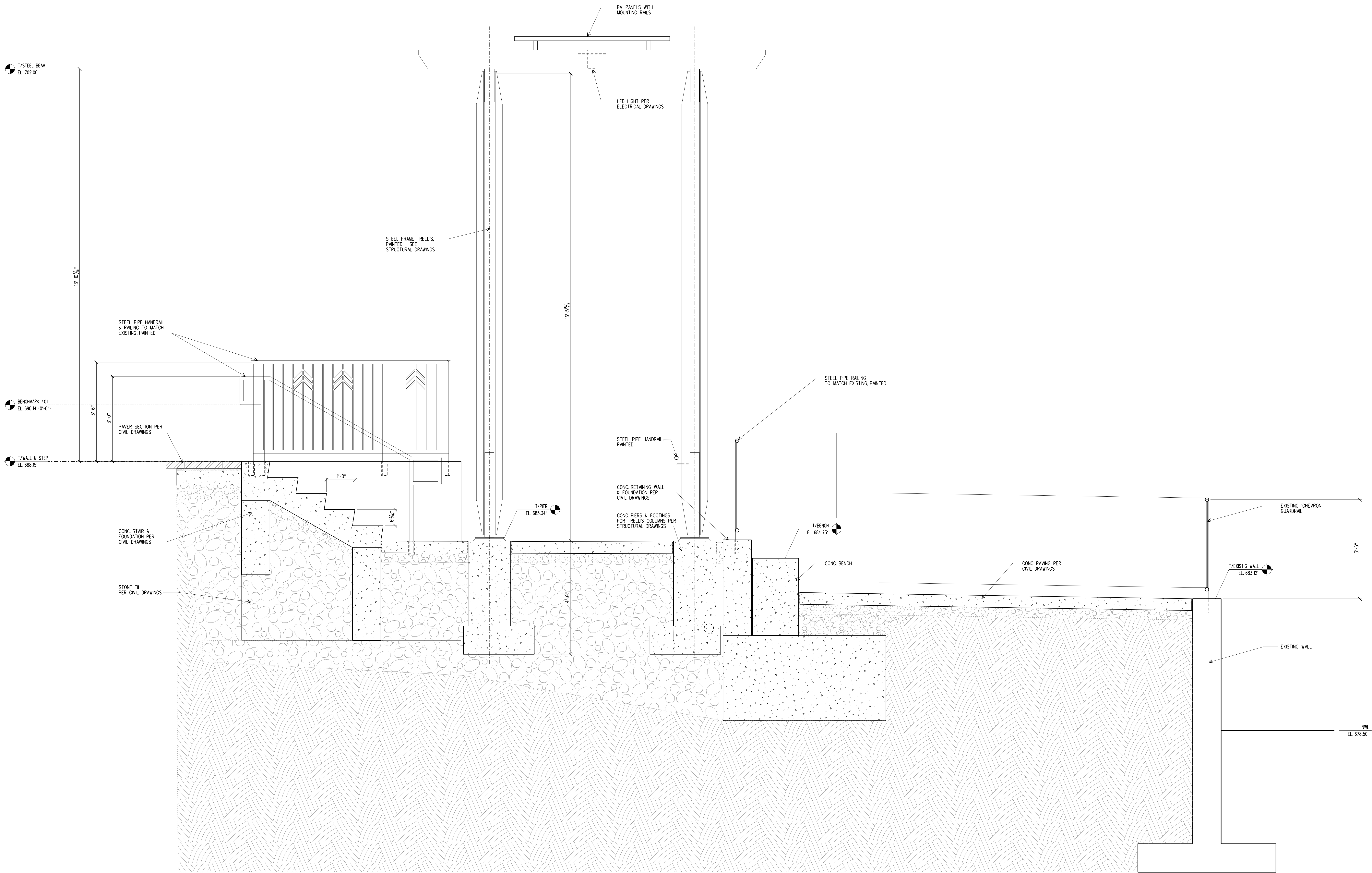
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

DRAWN BY:	CHECKED BY:
CRDAD	DAD
	PROJ. MGR:
	MJS

SHEET TITLE  
**SECTION AT STAIR & BENCH**

PROJ. NO.:	SHEET NO.
2021.09.00	<b>A4.1</b>
DATE:	
10/24/22	

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**1 SECTION**  
3/4" = 1'-0"  
0 6" 1 2 4



CONSULTANTS

REVISIONS

NO.	DATE	DESCRIPTION

# First Street Plaza Improvements

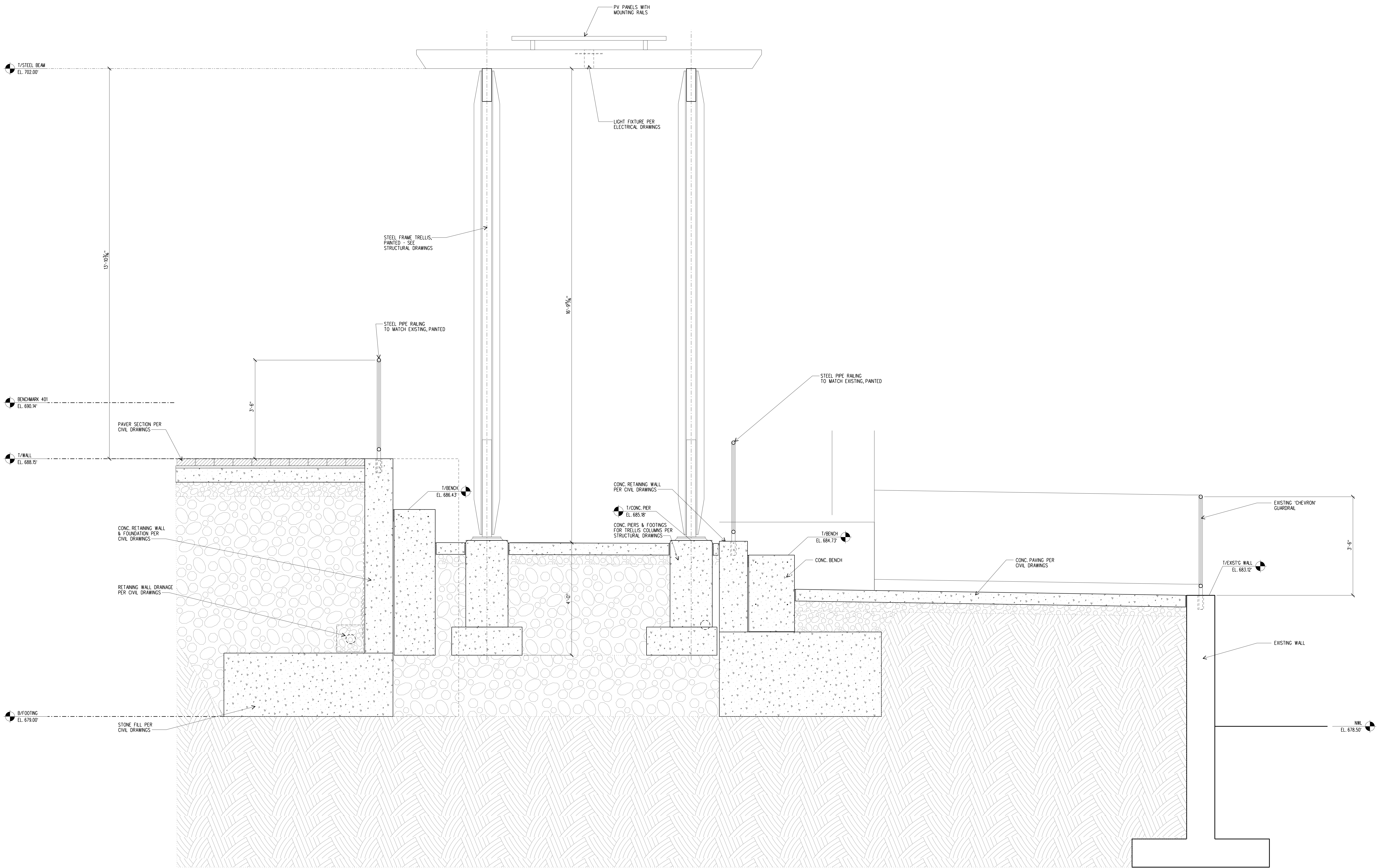
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

DRAWN BY:	CHECKED BY:
<b>DAD</b>	<b>DAD</b>
PROJ. ARCH.	PROJ. MGR.
<b>MJS</b>	<b>MJS</b>

SHEET TITLE  
**SECTION AT  
RETAINING WALLS  
& BENCHES**

PROJ. NO.:	SHEET NO.:
2021.09.00	<b>A4.2</b>
DATE:	10/24/22

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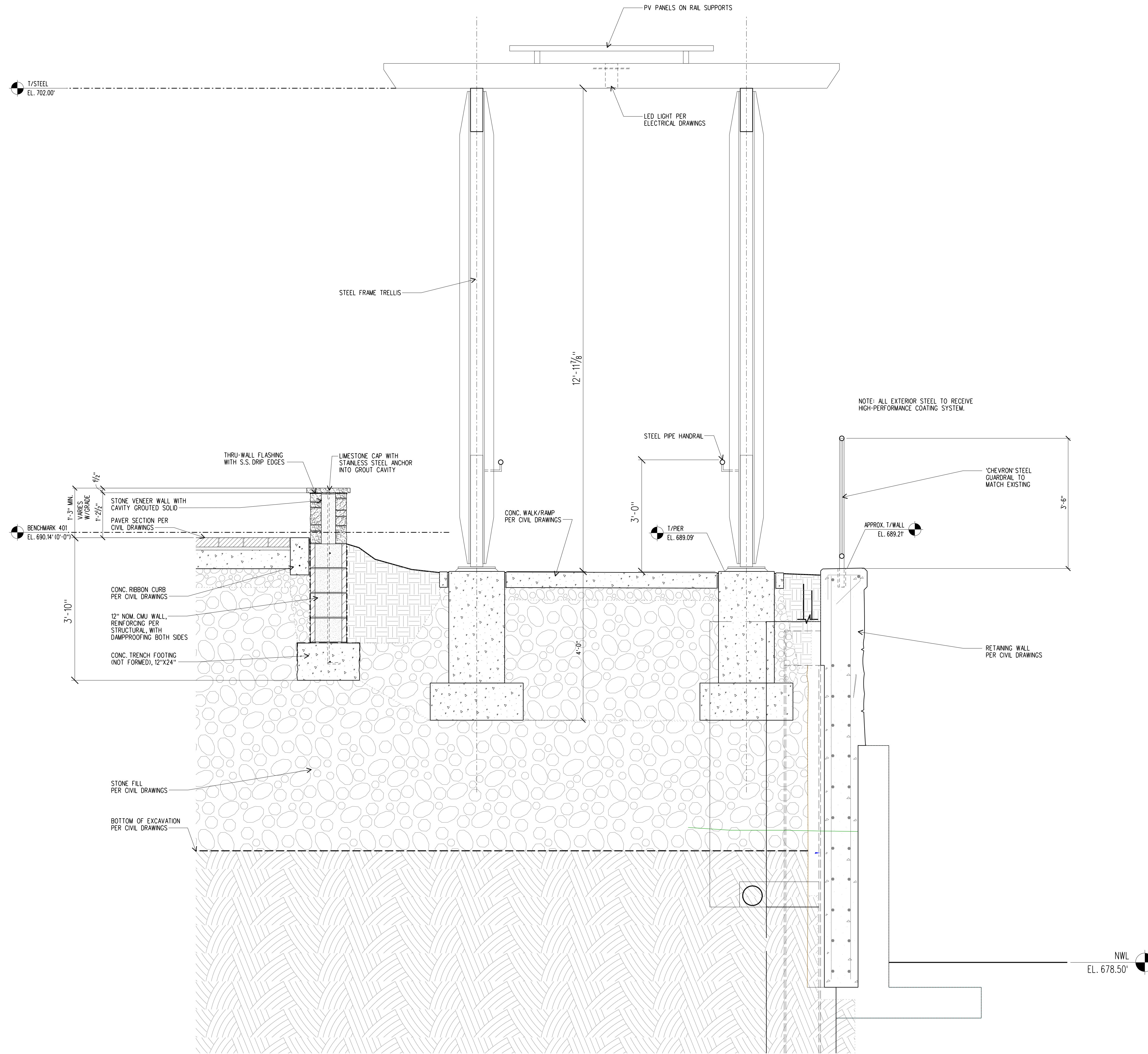


**1 SECTION**  
3/4" = 1'-0"  
0 6" 1 2 4









**1 SECTION**  
 3/4" = 1'-0"  
 0 6" 1 2 4

CONSULTANTS

REVISIONS		
NO.	DATE	DESCRIPTION

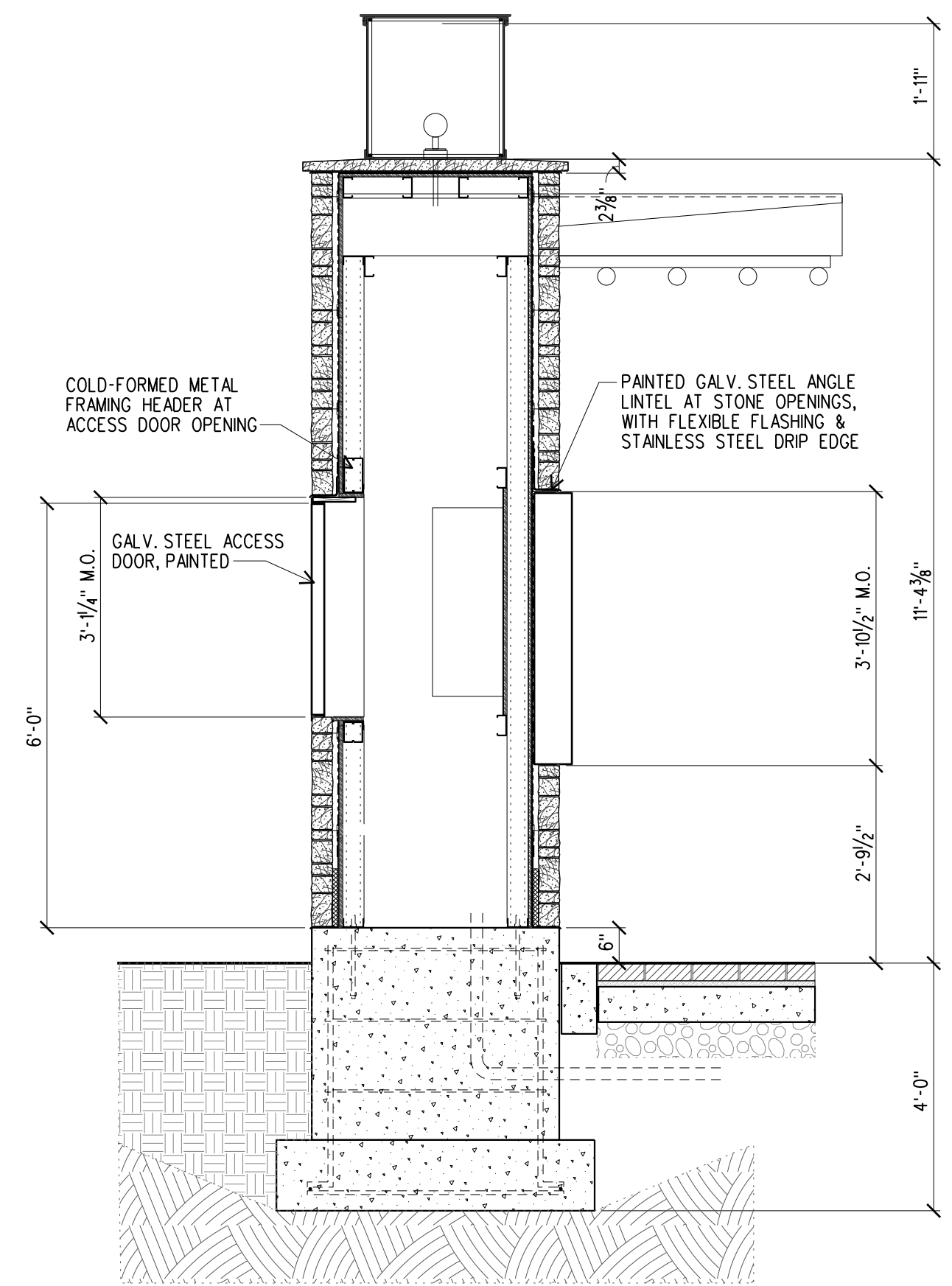
**First Street Plaza Improvements**  
 City of St. Charles  
 2 East Main Street  
 St. Charles, Illinois 60174

DRAWN BY:	CHECKED BY:
CRD/DAD	DAD
	PROJ. MGR:
	MJS

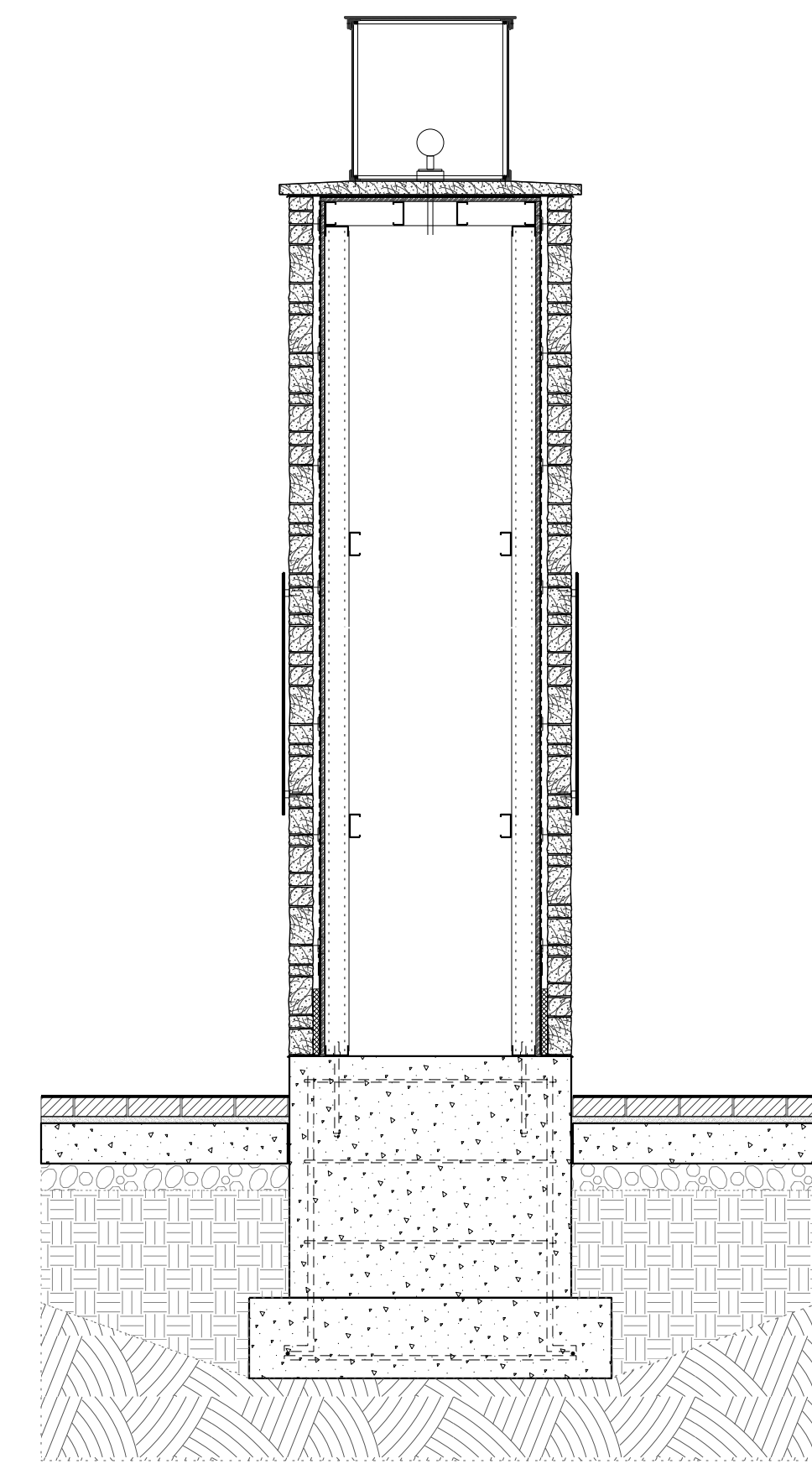
SHEET TITLE	
<b>SECTION AT RAMP LANDING</b>	
PROJ. NO.:	SHEET NO.
2021.09.00	<b>A4.4</b>
DATE:	
10/24/22	



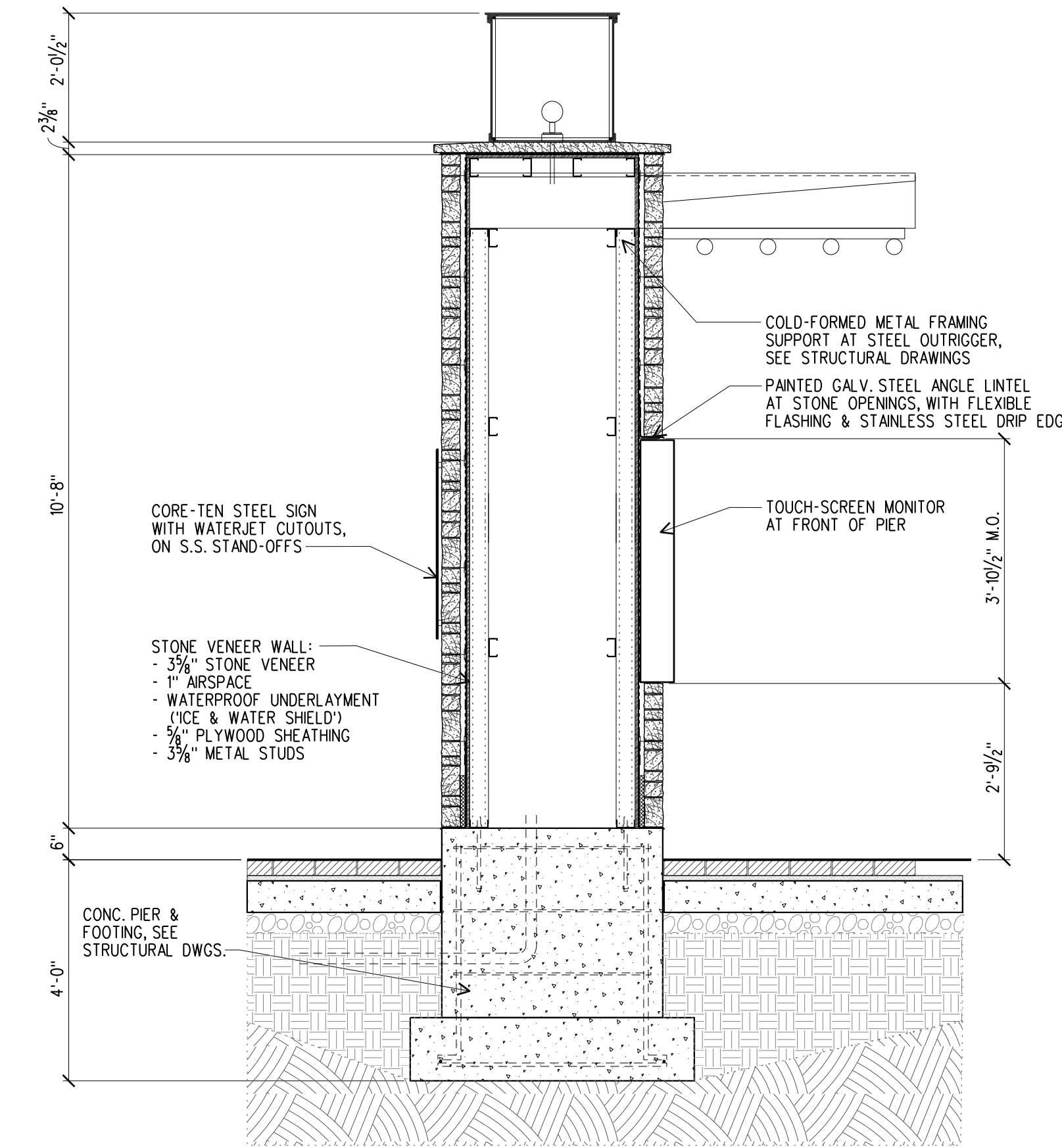
REVISIONS		
NO.	DATE	DESCRIPTION



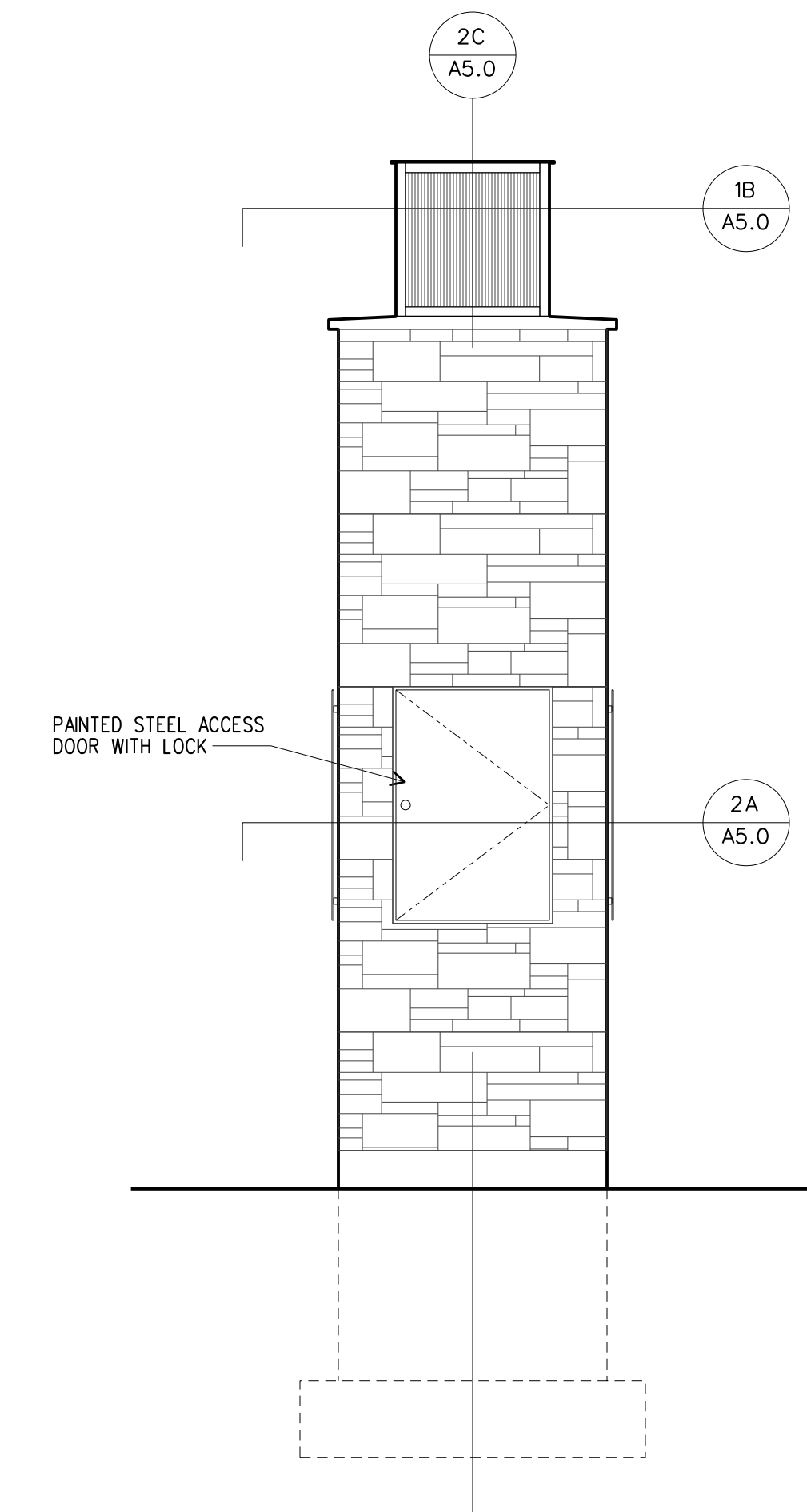
2C - WALL SECTION



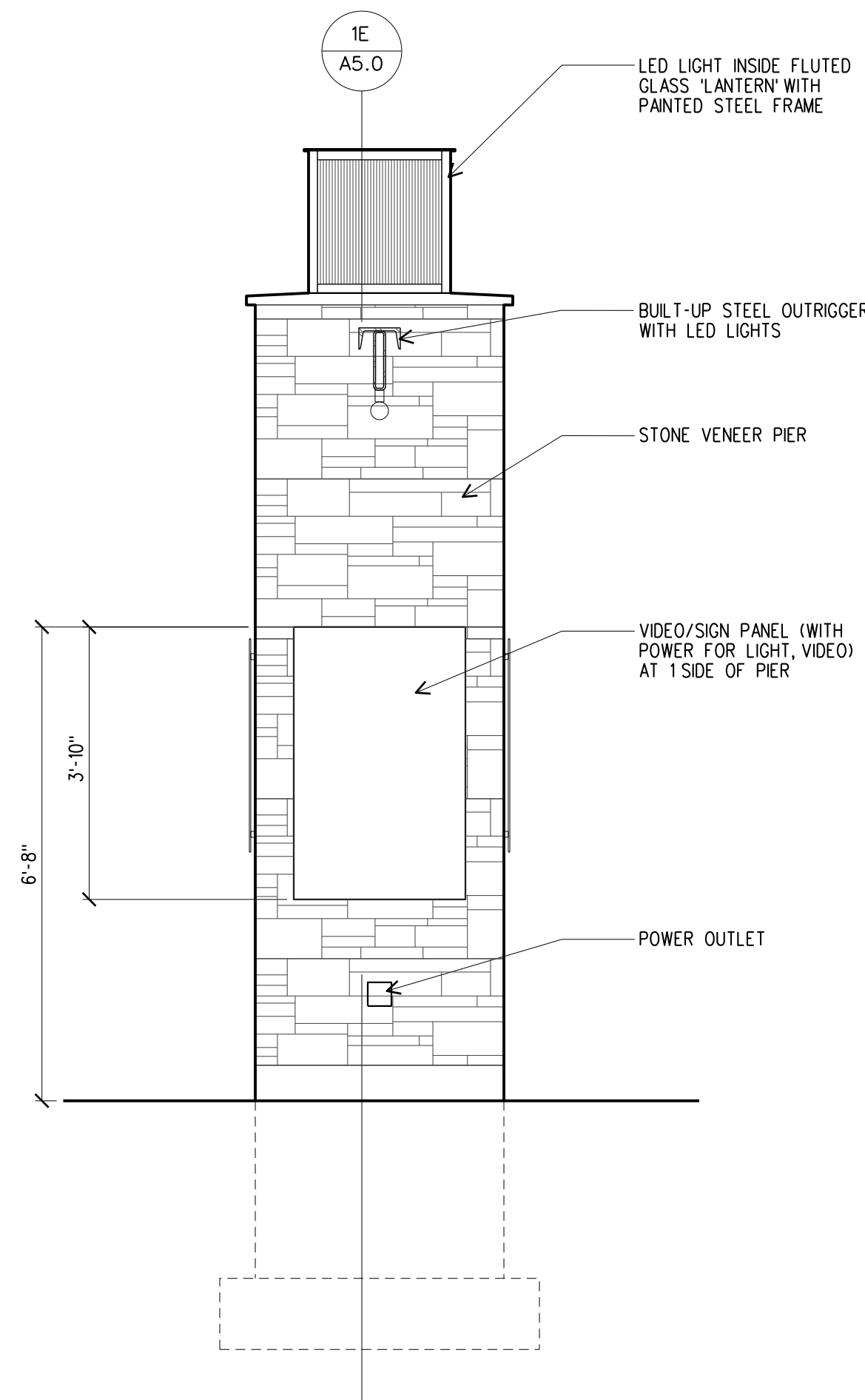
1F - WALL SECTION



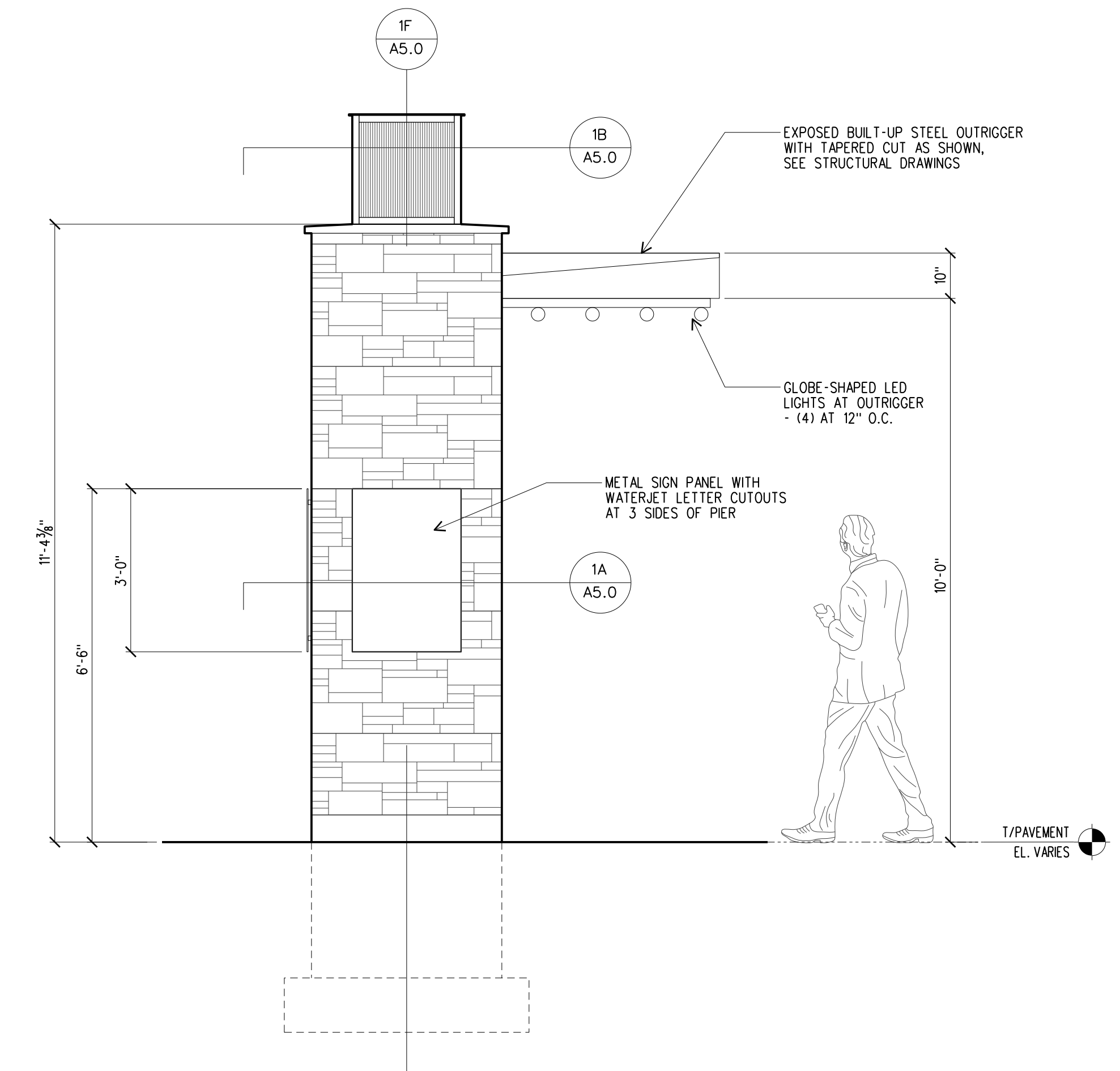
1E - WALL SECTION



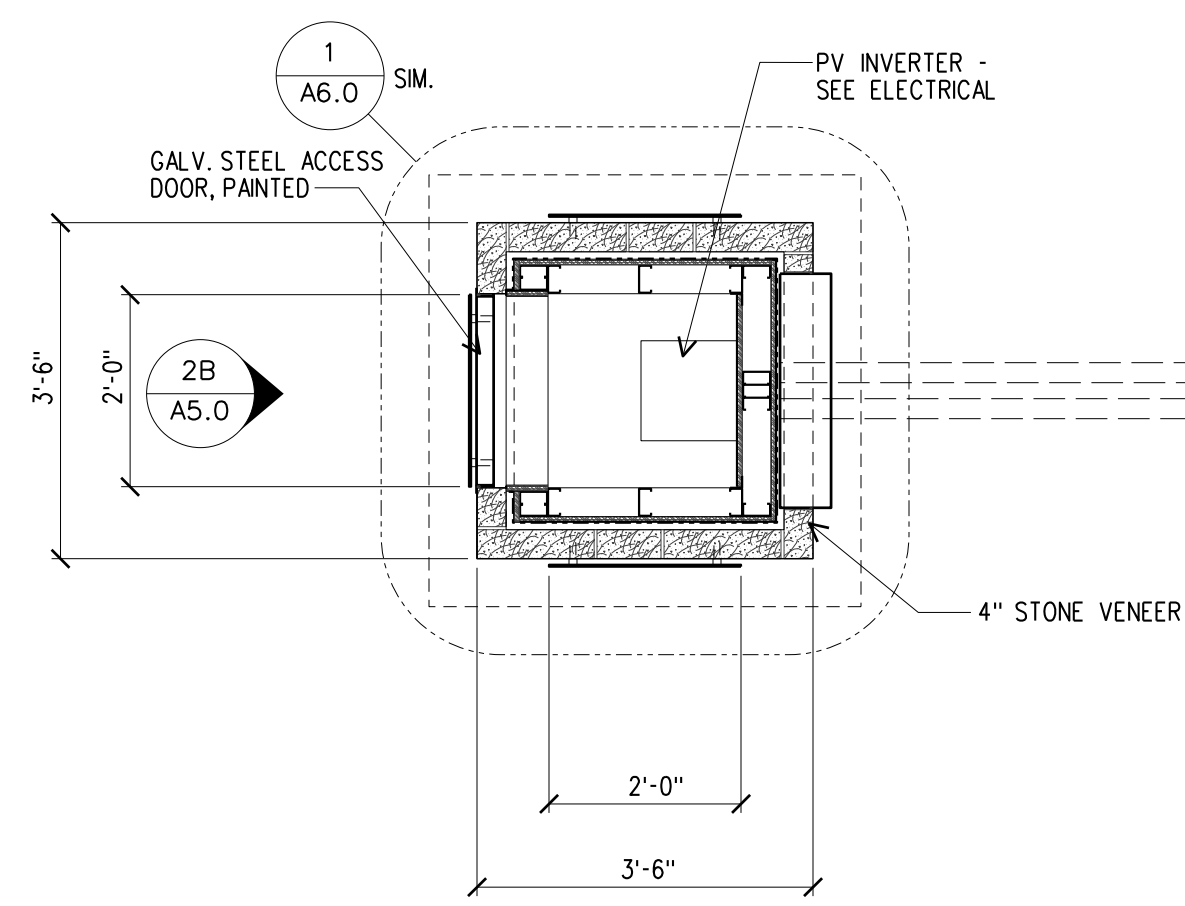
2B - ELEVATION



1D - ELEVATION

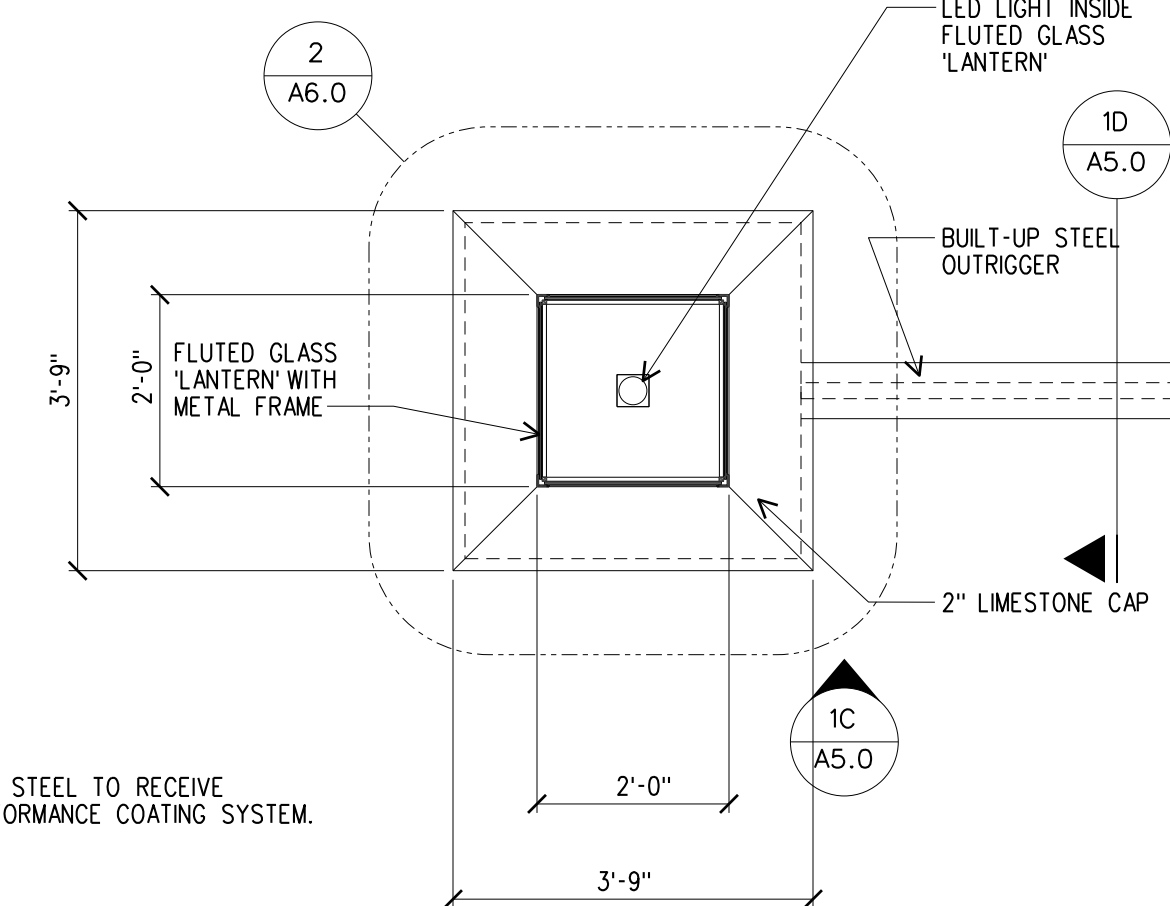


1C - ELEVATION

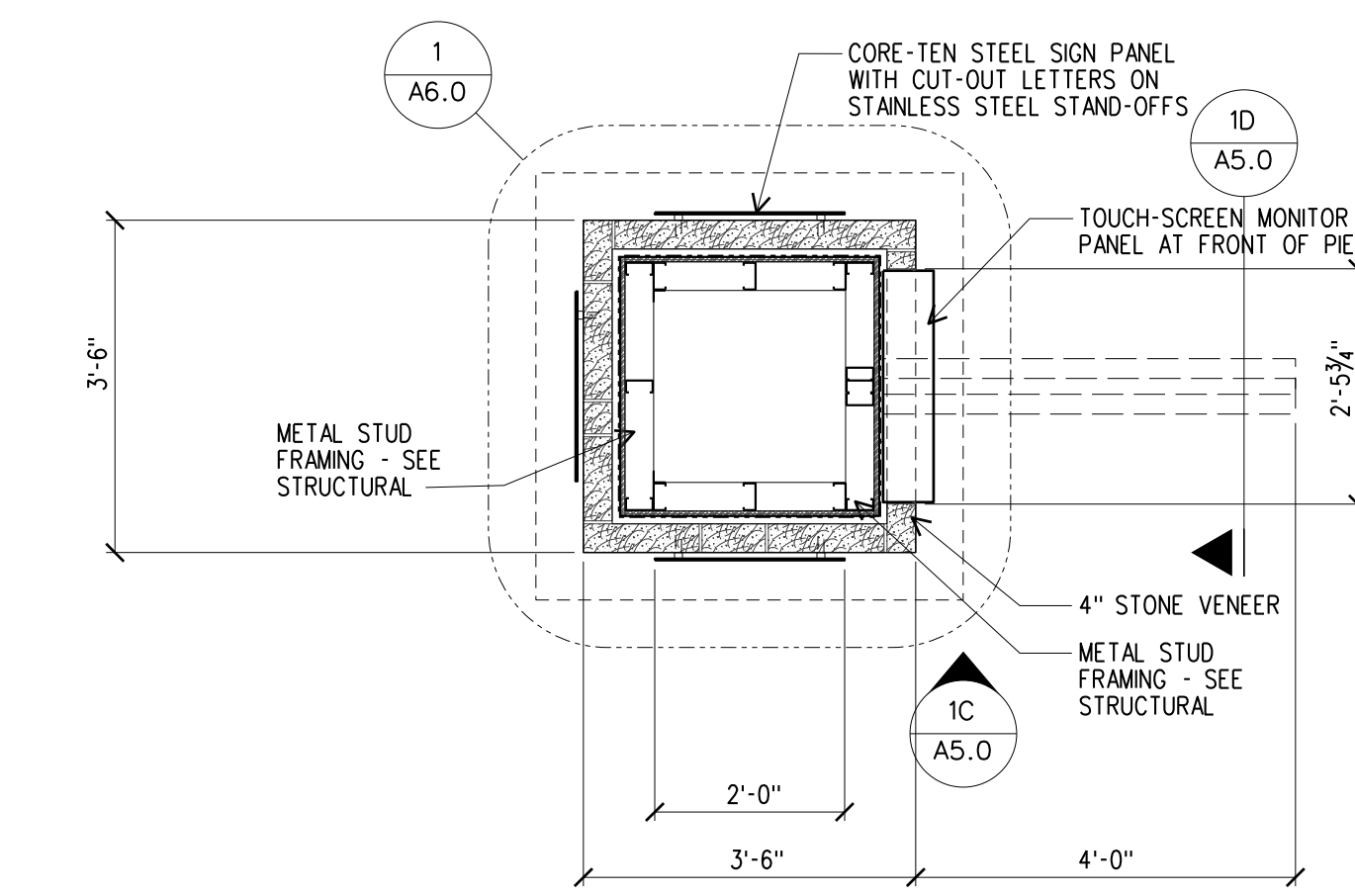


2A - PLAN

NOTE: ALL STEEL TO RECEIVE HIGH-PERFORMANCE COATING SYSTEM.

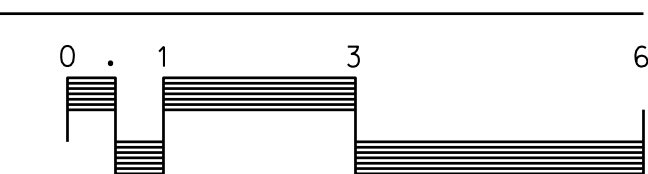


1B - PLAN SECTION

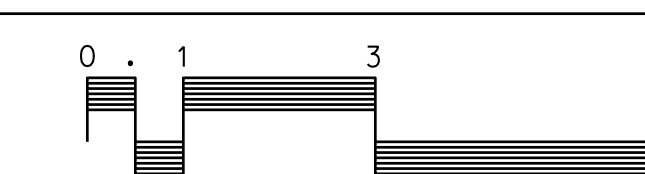


1A - PLAN SECTION

**2** KIOSK TYPE 2  
1/2" = 1'-0"



**1** KIOSK TYPE 1  
1/2" = 1'-0"



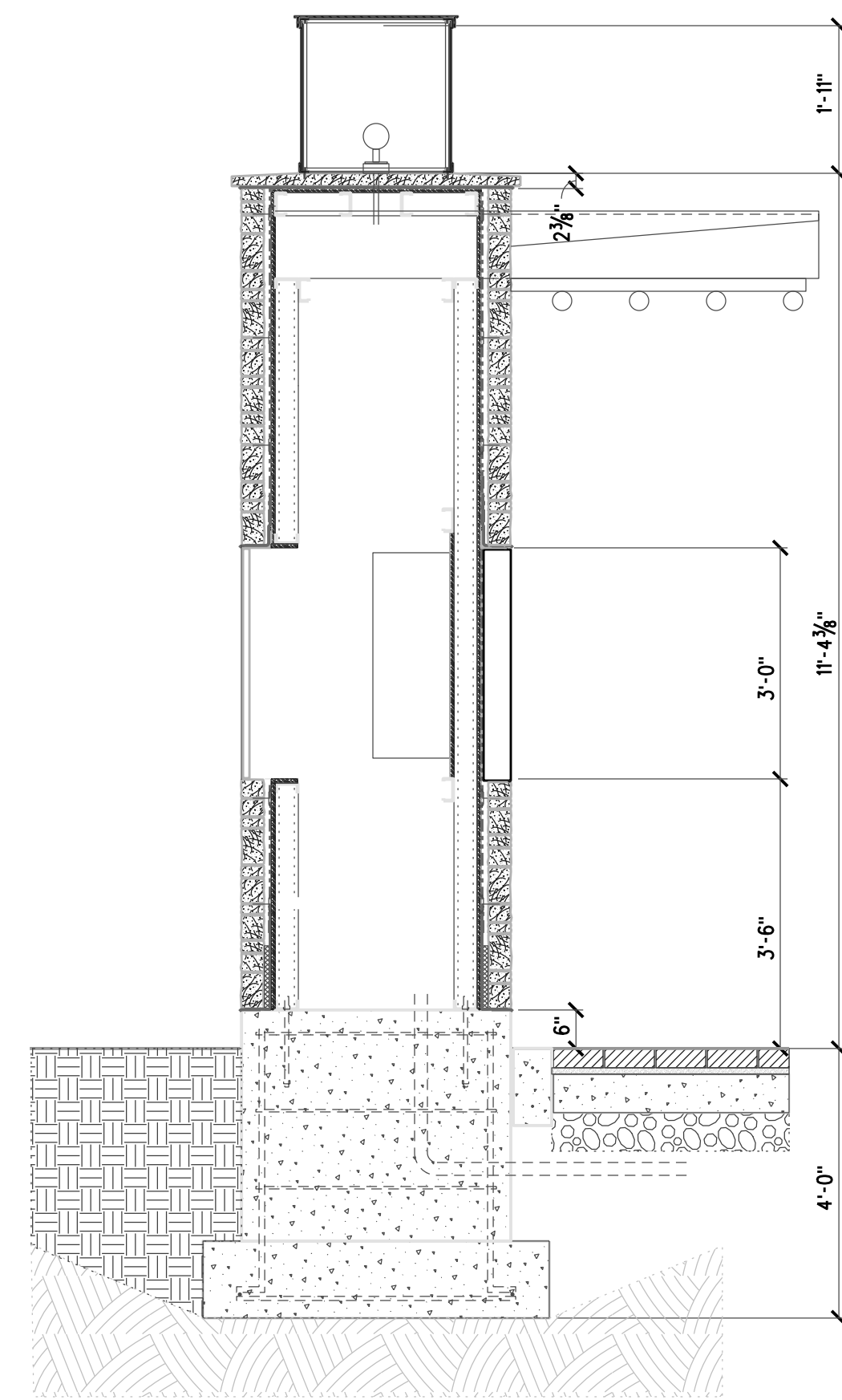
DRAWN BY:	CHECKED BY:
KRODAD	DAD
PROJ. MGR:	MJS

SHEET TITLE  
**KIOSKS - PLANS  
ELEVATIONS  
& SECTIONS**

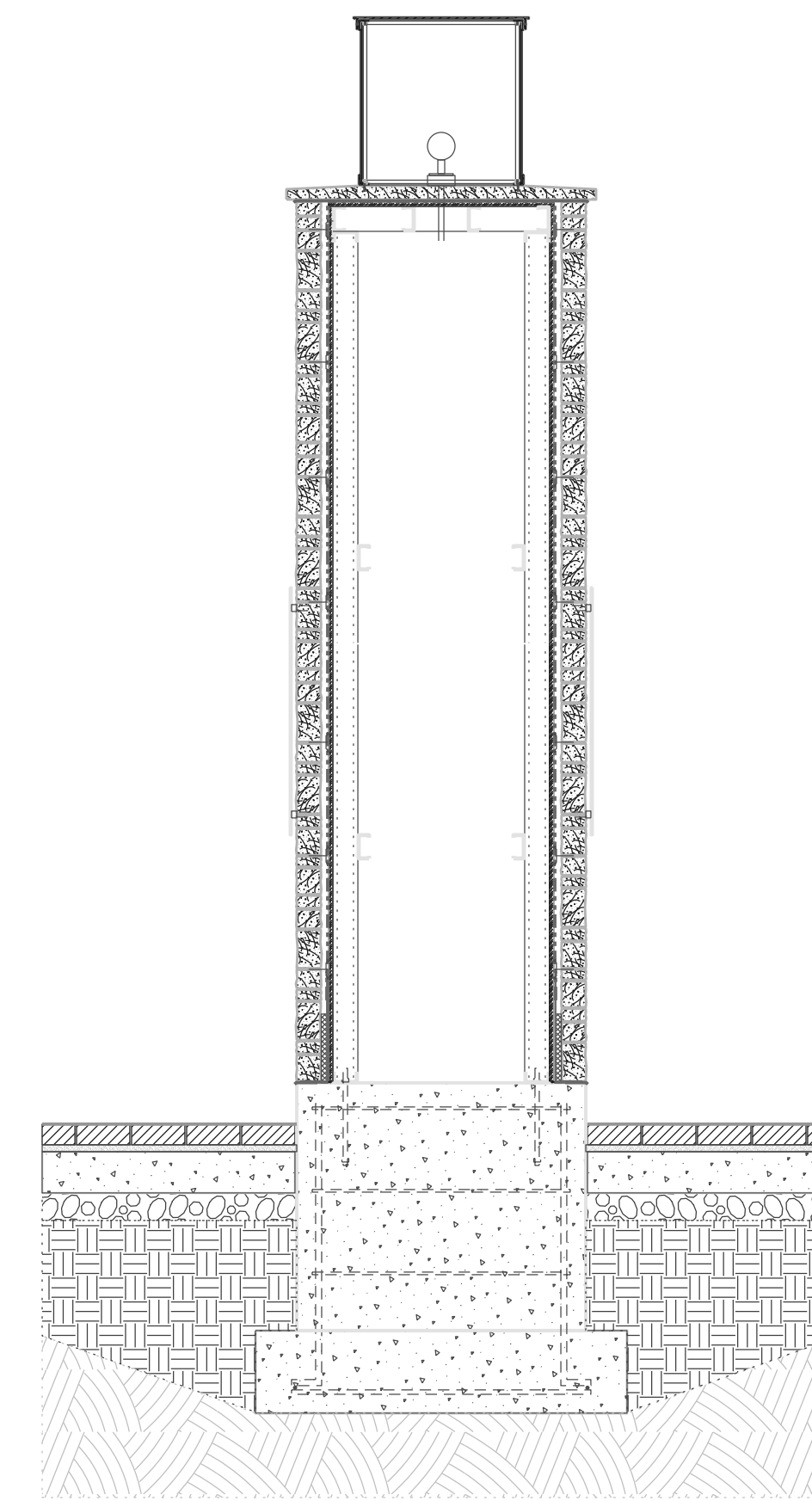
PROJ. NO.:	SHEET NO.
2021.09.00	<b>A5.0</b>
DATE:	10/24/22



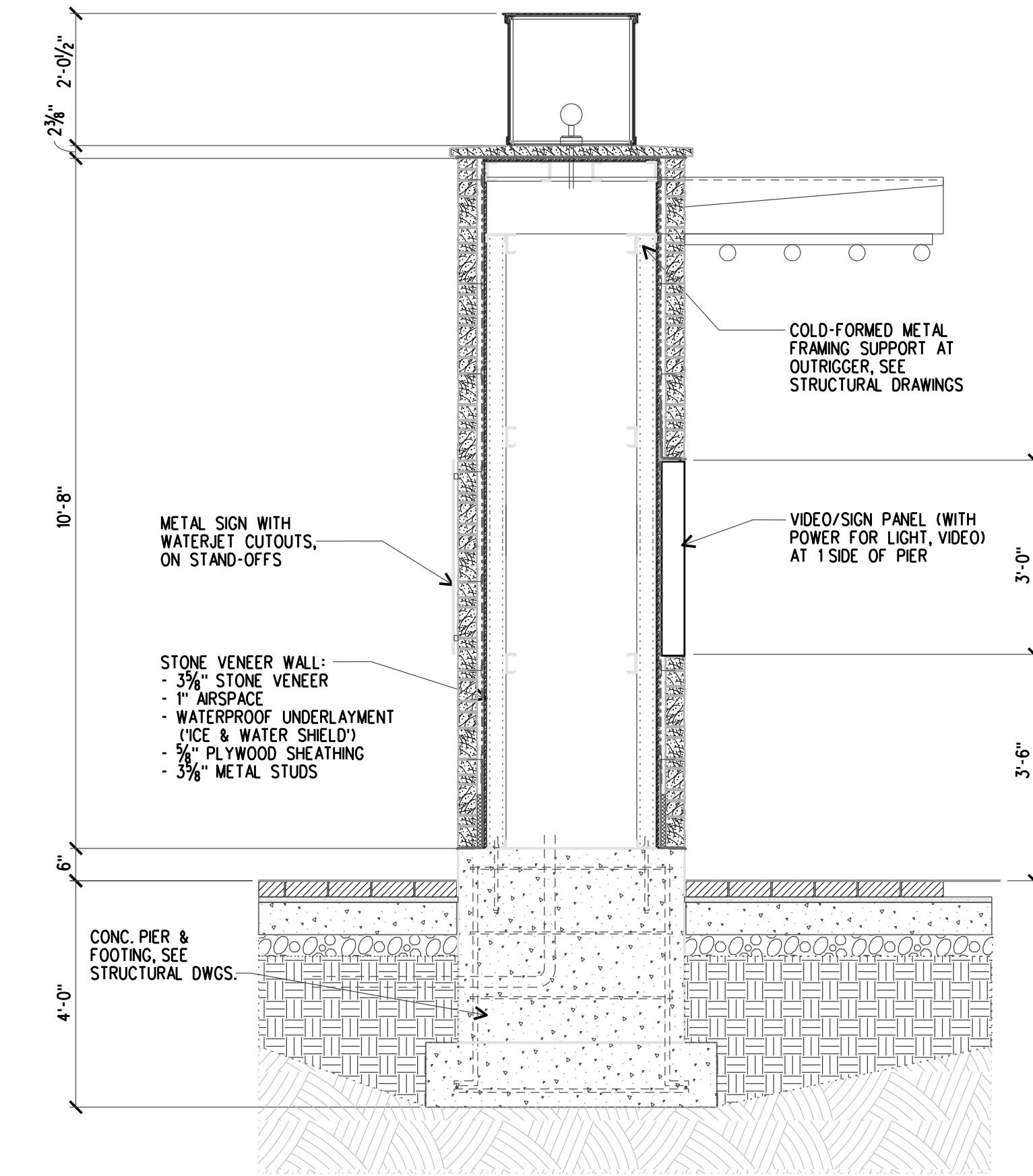
NO.	DATE	DESCRIPTION



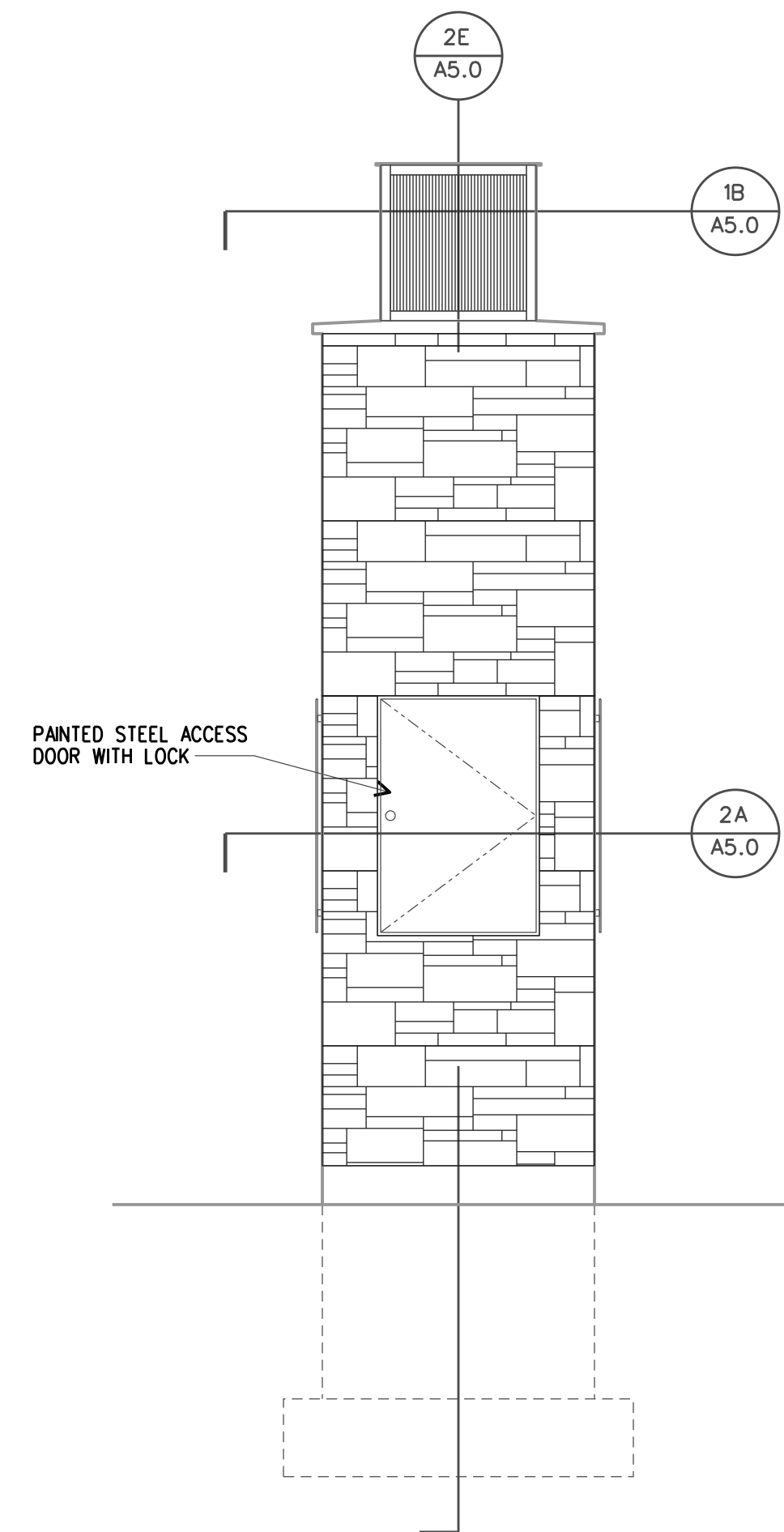
2E - WALL SECTION



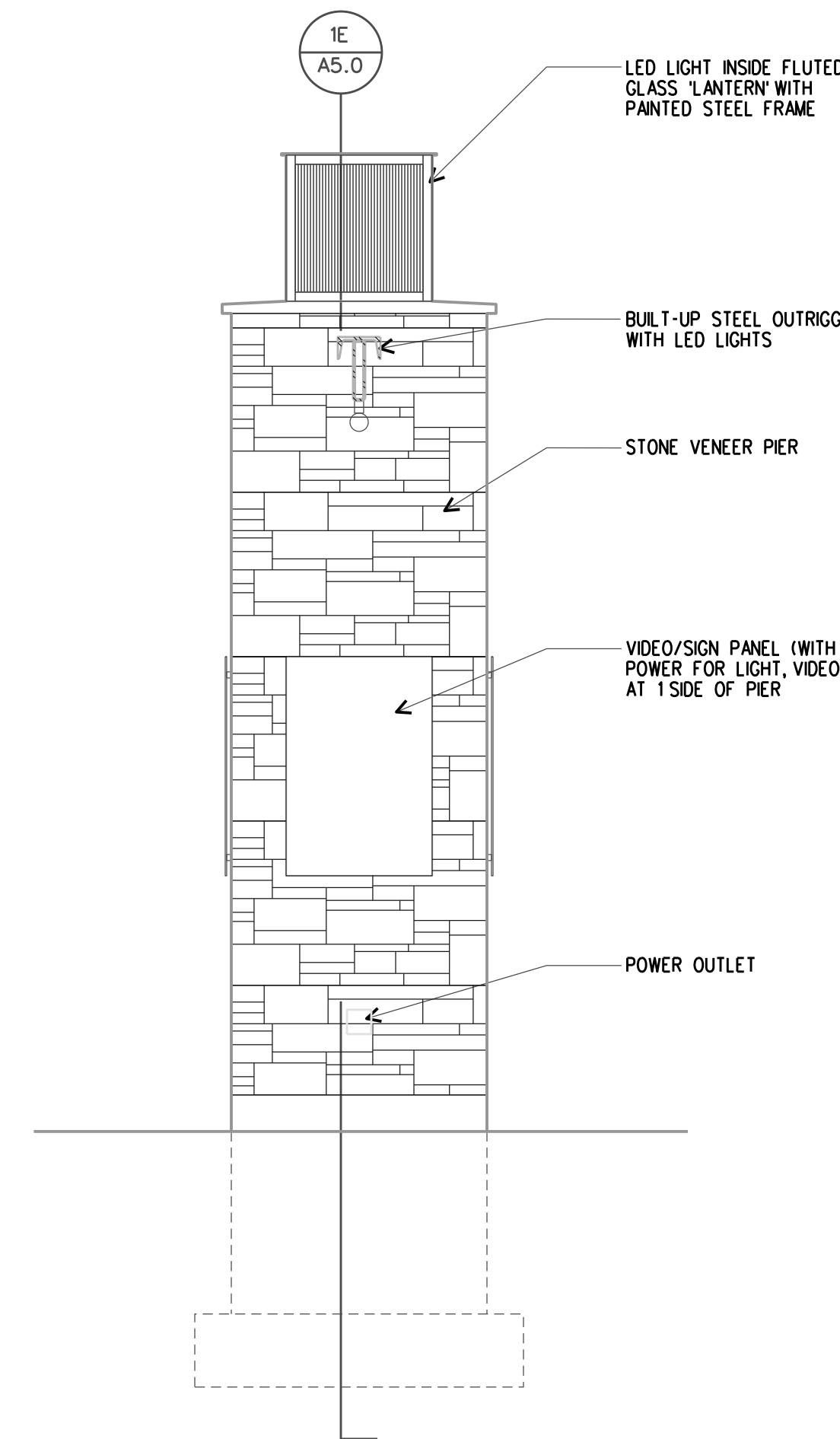
1F - WALL SECTION



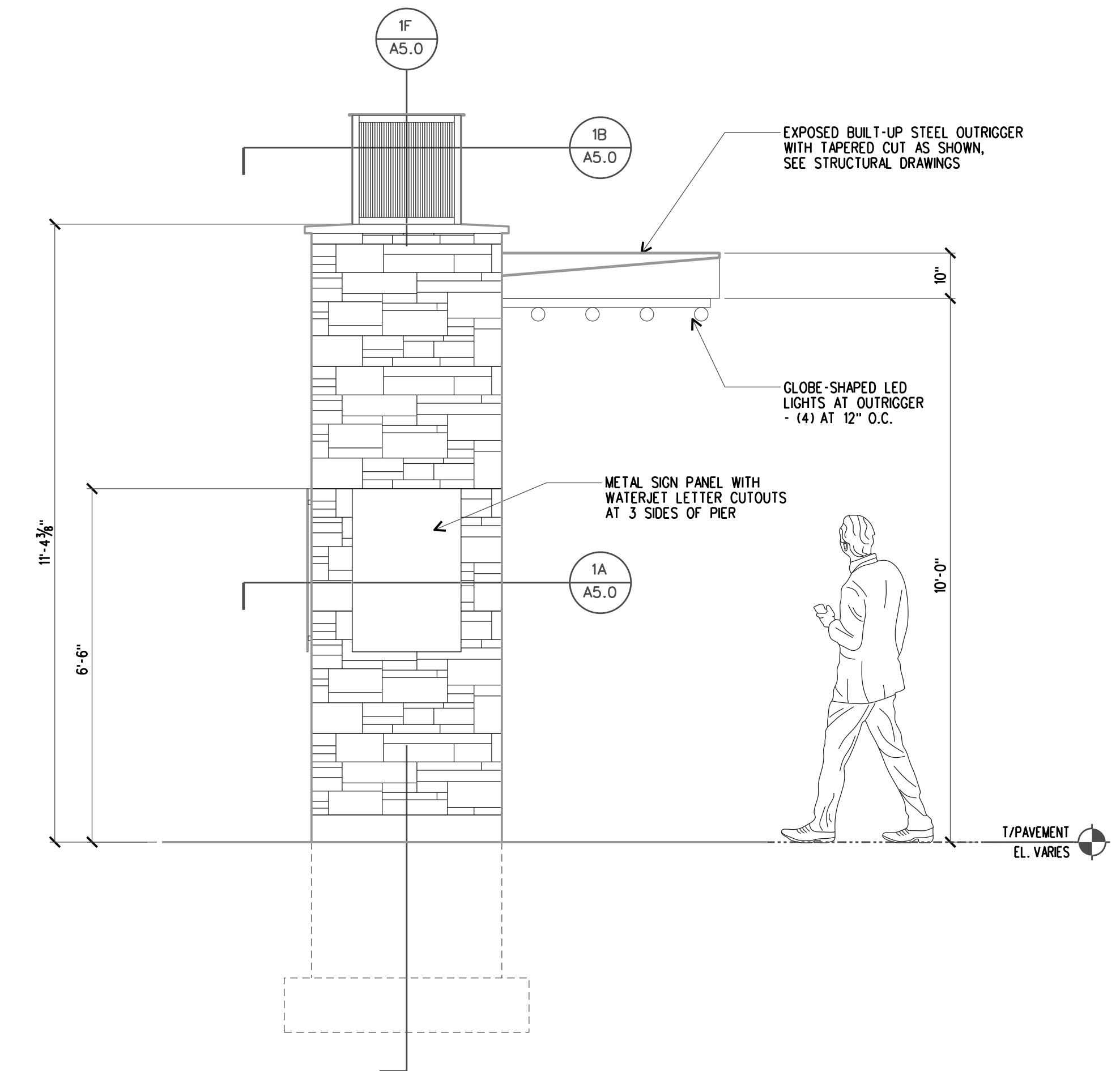
1E - WALL SECTION



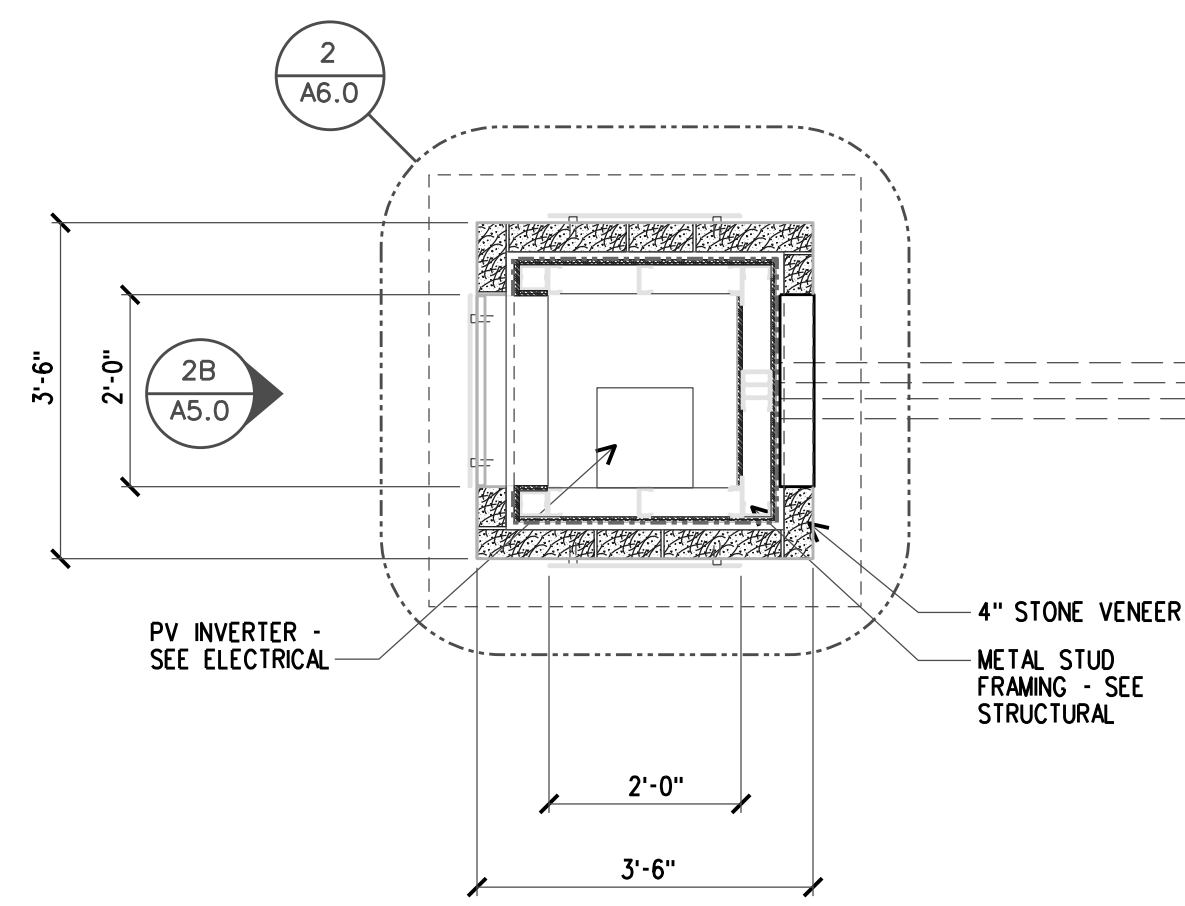
2B - ELEVATION



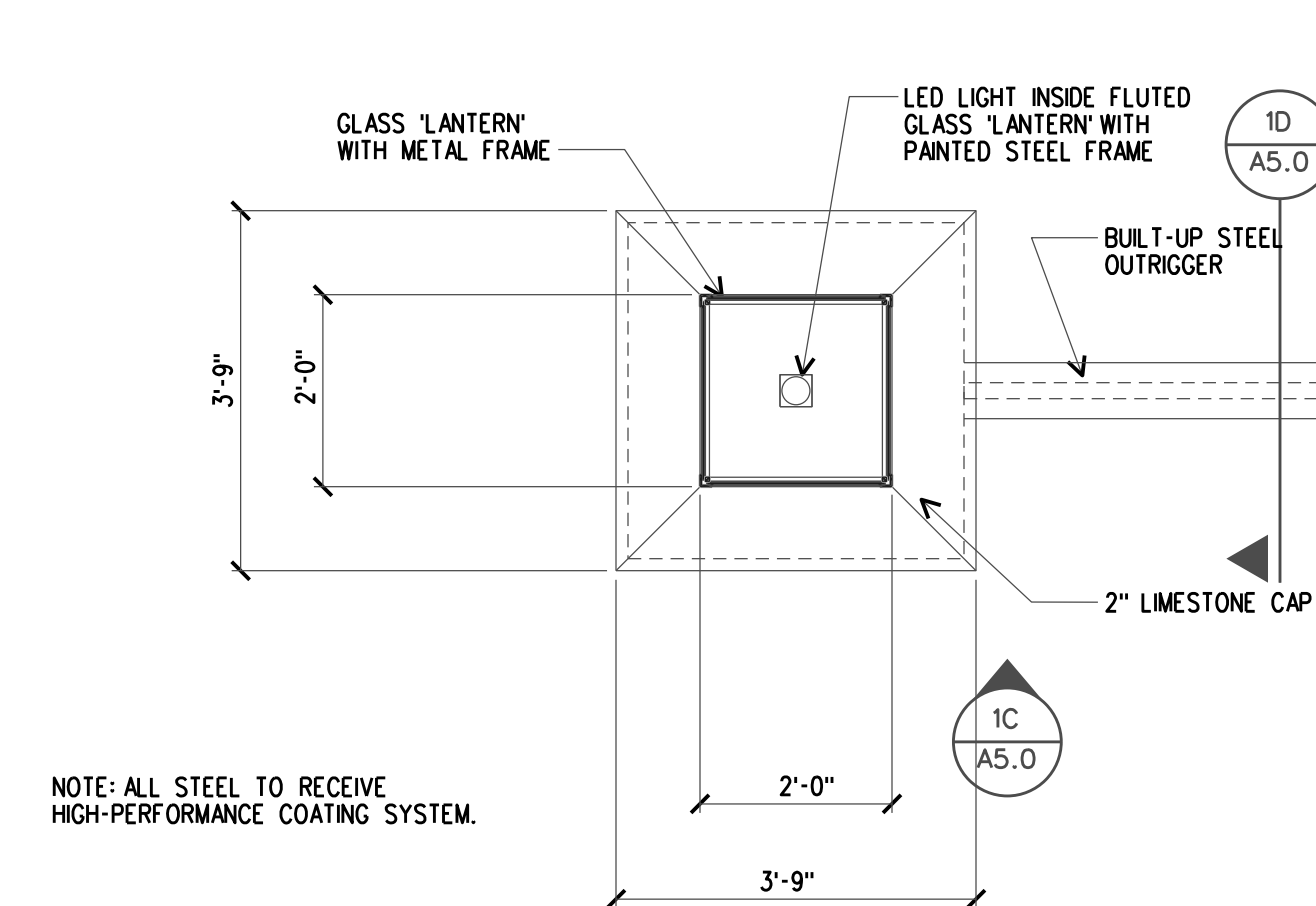
1D - ELEVATION



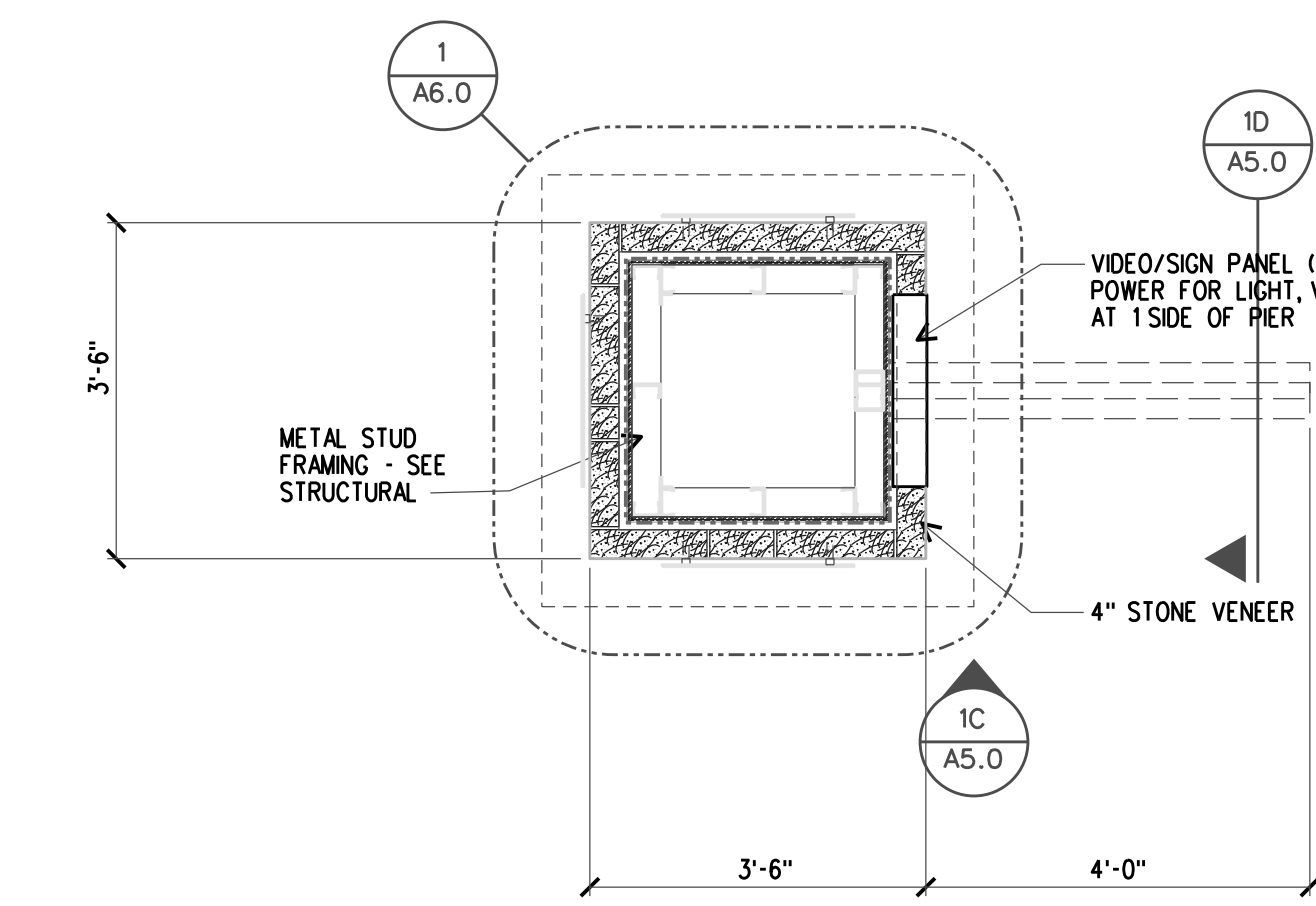
1C - ELEVATION



2A - PLAN

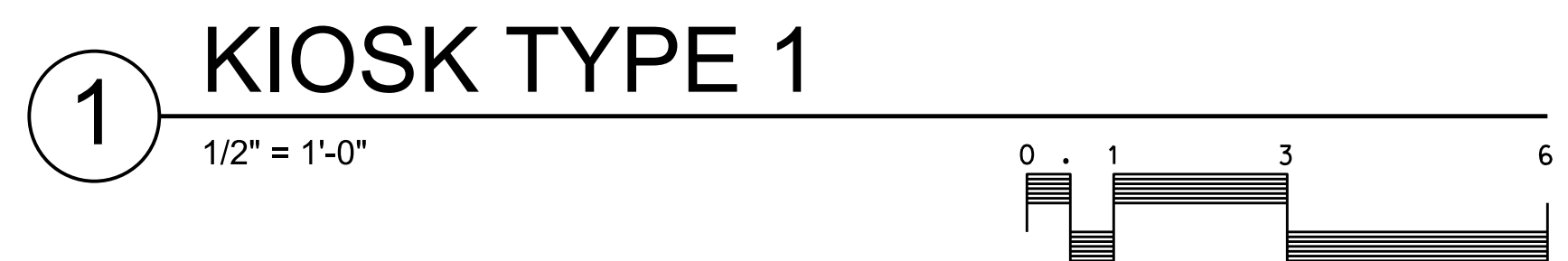
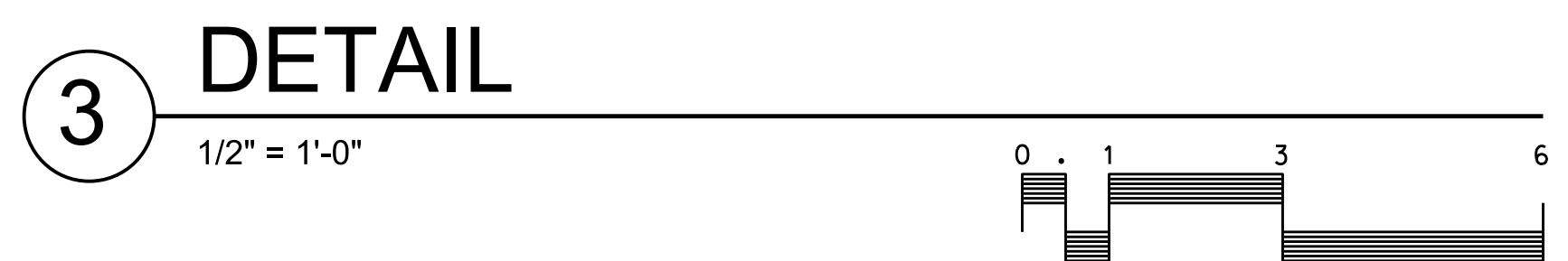


1B - PLAN SECTION



1A - PLAN SECTION

NOTE: ALL STEEL TO RECEIVE HIGH-PERFORMANCE COATING SYSTEM.

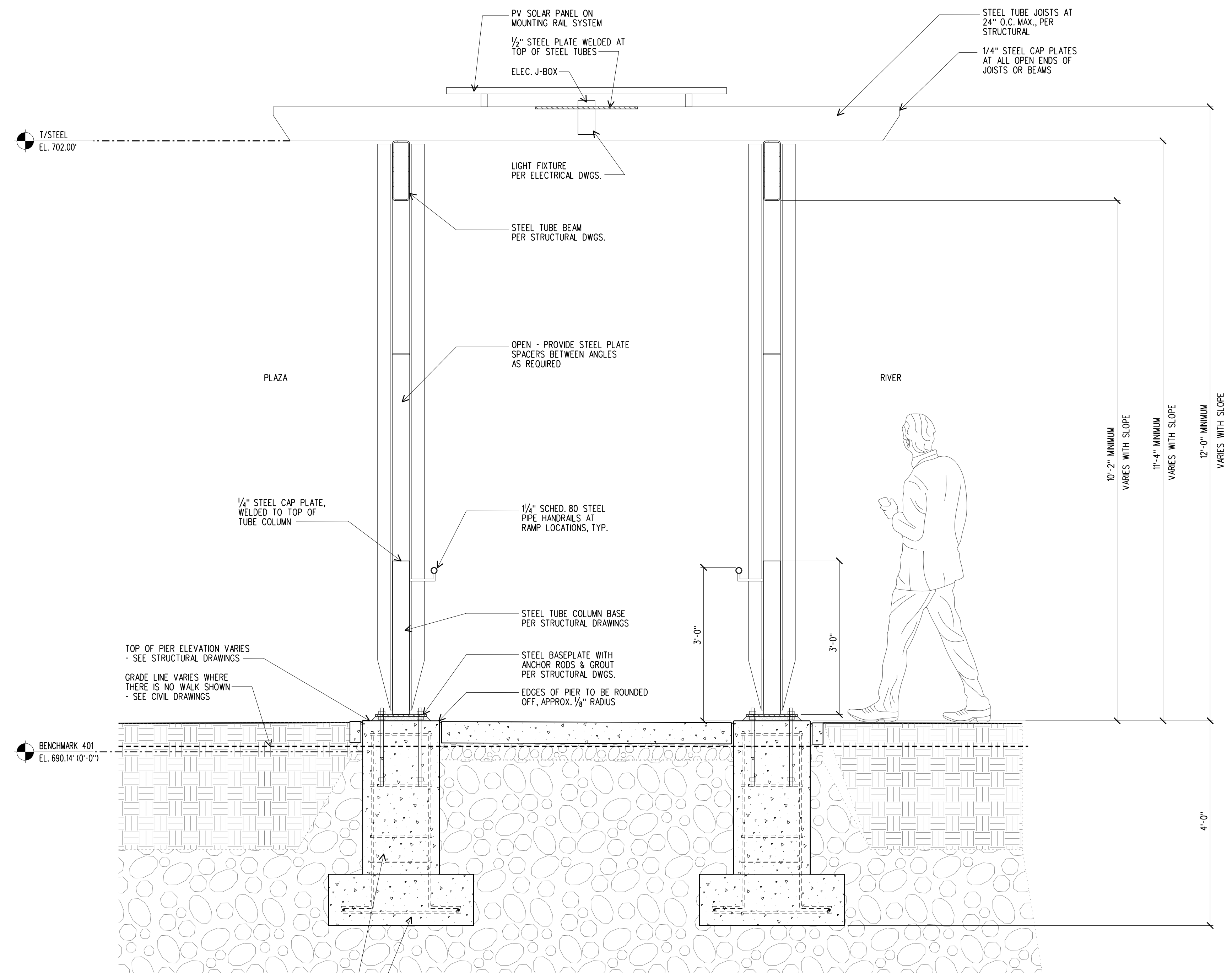


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KRODAD	DAD
	MJS

SHEET TITLE	
KIOSKS - PLANS ELEVATIONS & SECTIONS	
PROJ. NO.:	SHEET NO.
2021.09.00	A5.0
DATE:	
10/24/22	

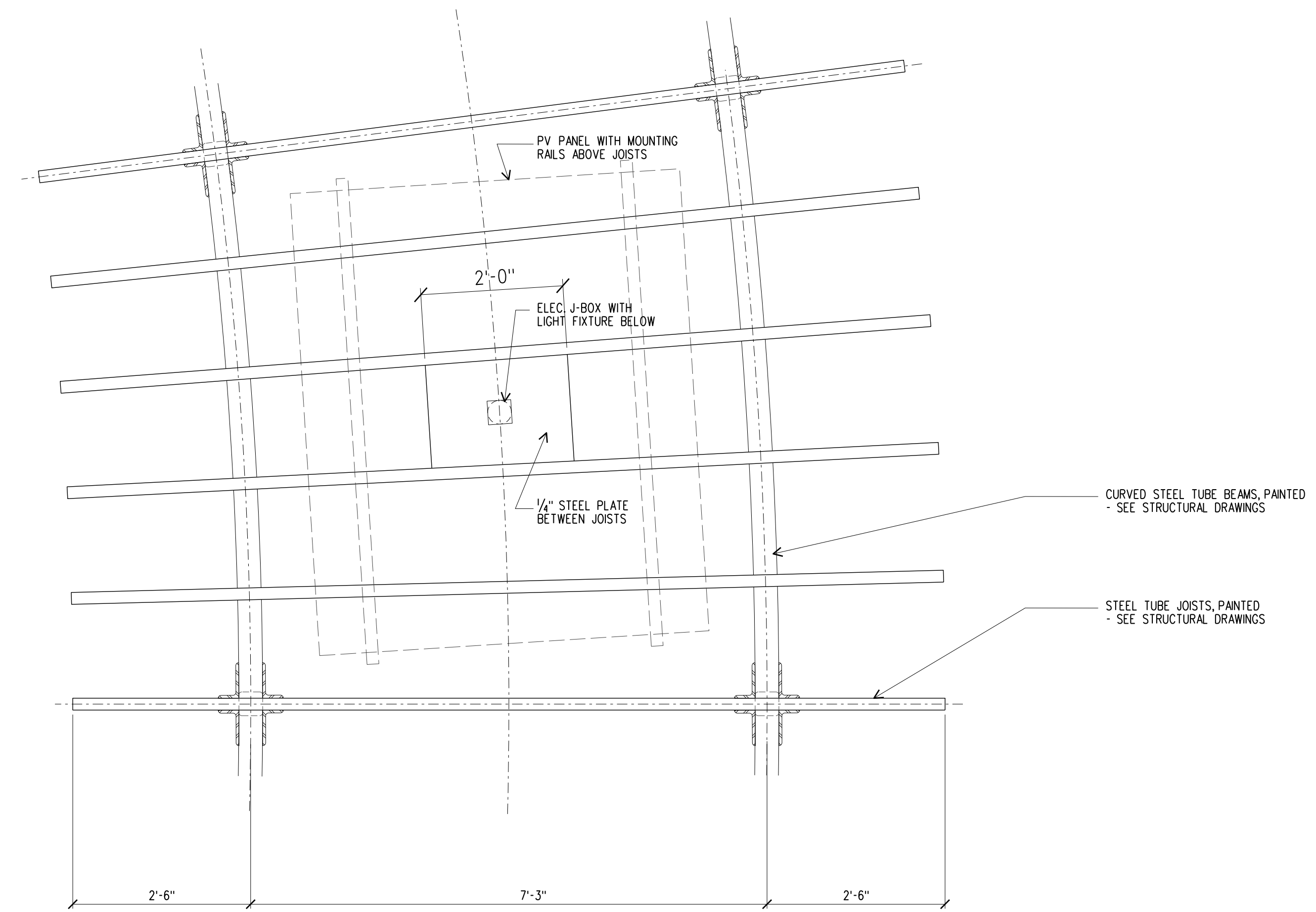


NO.	DATE	DESCRIPTION

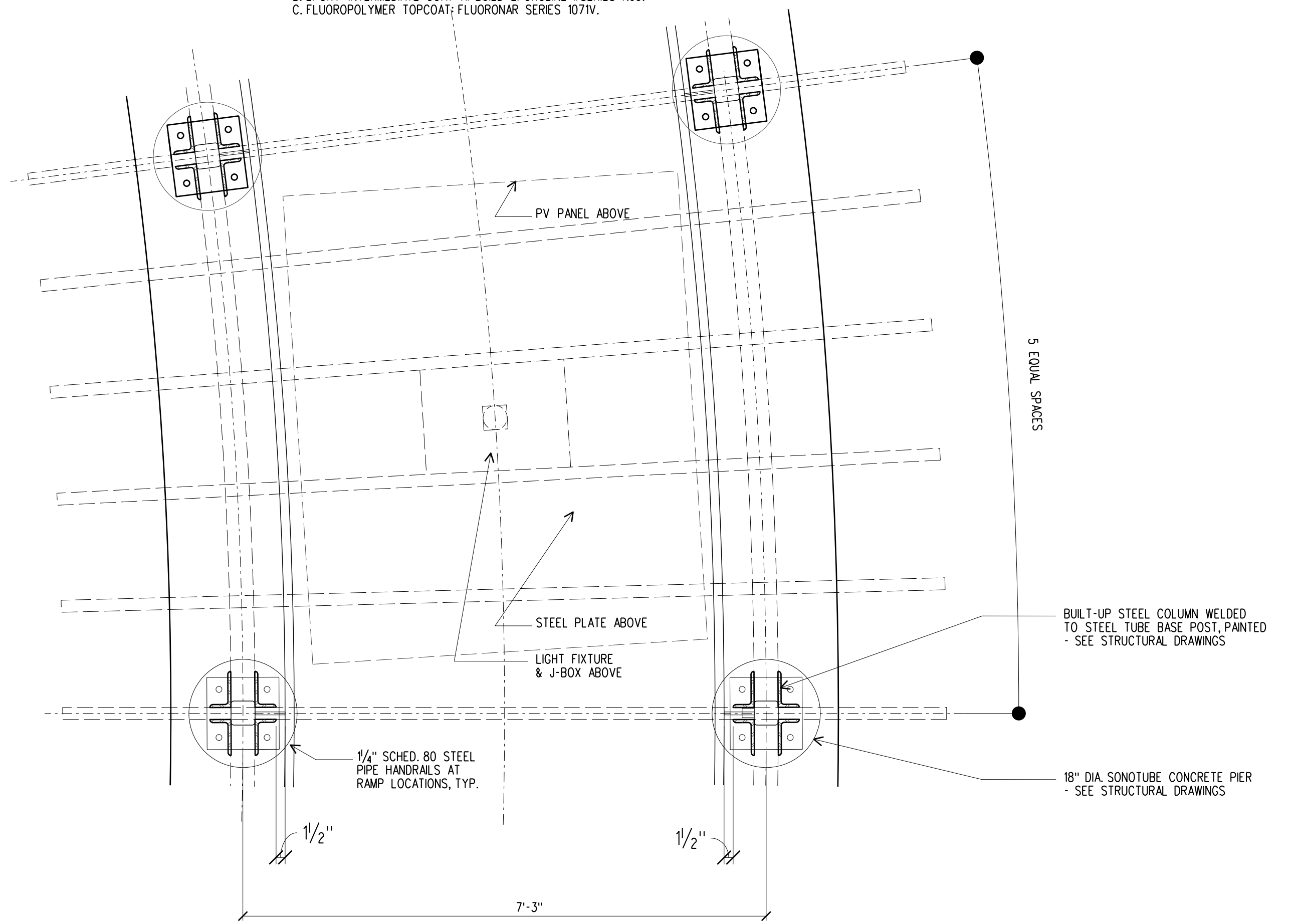


**2** TYPICAL TRELLIS BAY SECTION  
3/4" = 1'-0"

- NOTE:
1. ALL STEEL TO BE ARCHITECTURALLY EXPOSED STRUCTURAL STEEL, AESS CATEGORY 1
  2. ALL EXPOSED STEEL FINISHED WITH (3) COAT HIGH-PERFORMANCE COATING SYSTEM BY TENEAC OR EQUAL:  
A. EPOXY ZINC-RICH PRIMER: TENEAC ZINC SERIES 90-97.  
B. EPOXY INTERMEDIATE COAT: H-BUILD EPOXYLINE 8 SERIES N69.  
C. FLUOROPOLYMER TOPCOAT: FLUORONAR SERIES 1077V.



**3** TYPICAL TRELLIS BAY JOIST PLAN  
3/4" = 1'-0"



**1** TYPICAL TRELLIS BAY PLAN  
3/4" = 1'-0"

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PROJ. ARCH: MJS	PROJ. MGR: MJS

SHEET TITLE  
**TRELLIS PLANS,  
ELEVATIONS  
& SECTIONS**

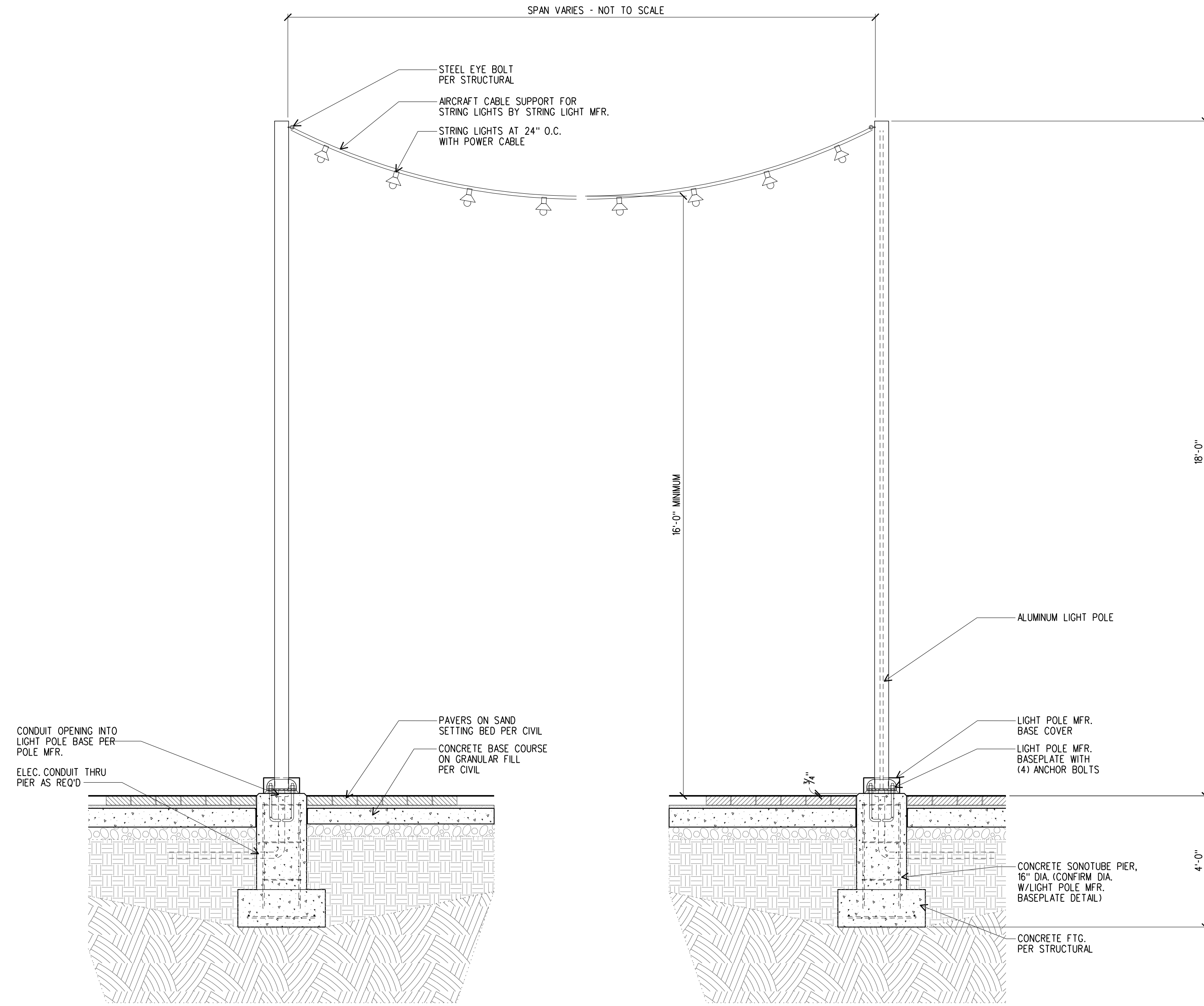
PROJ. NO.: 2021.09.00	SHEET NO.: <b>A5.1</b>
DATE: 10/24/22	



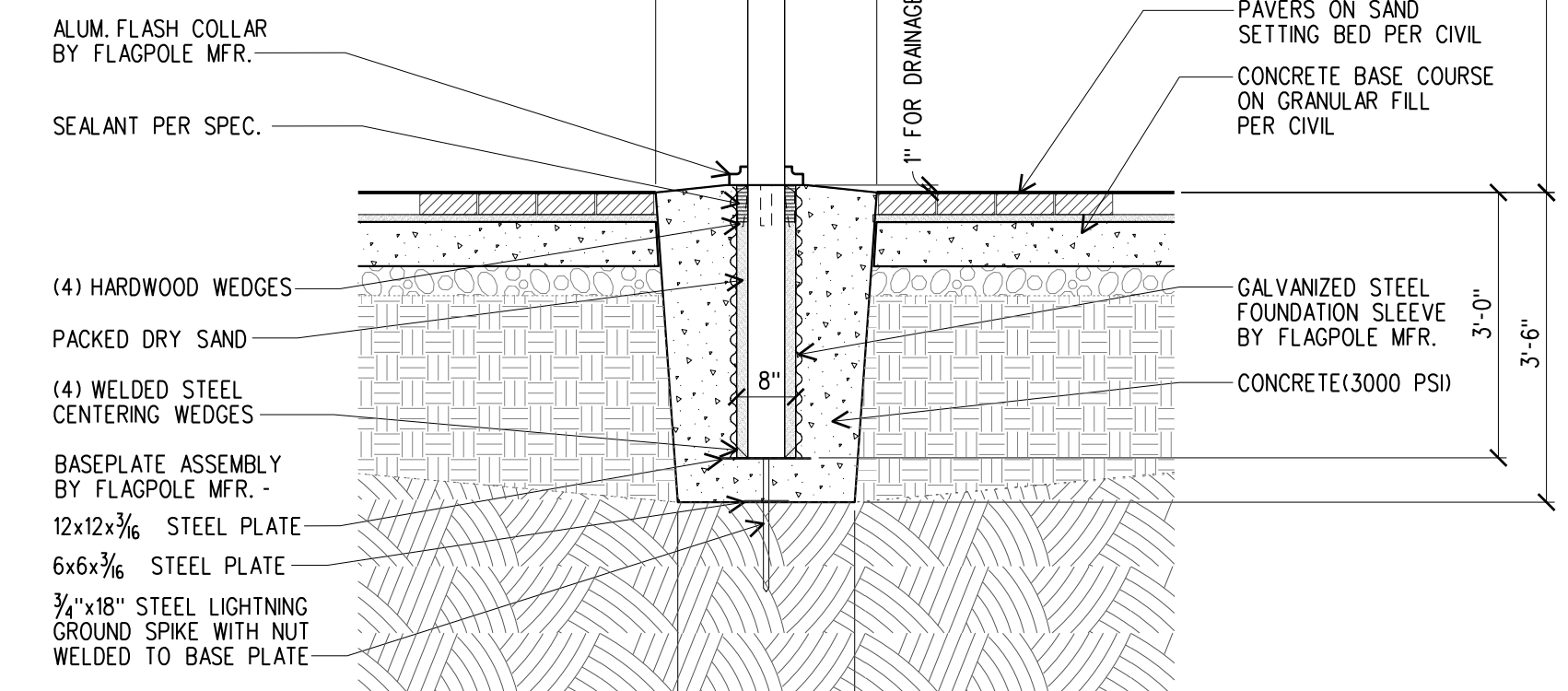
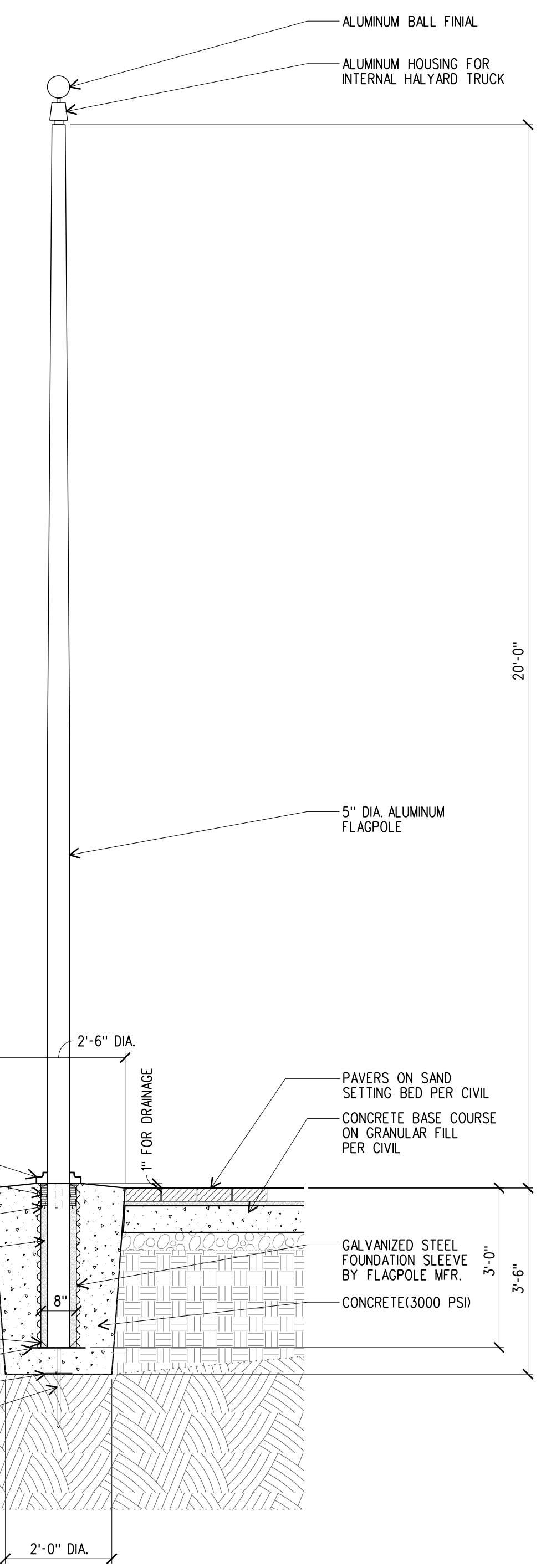
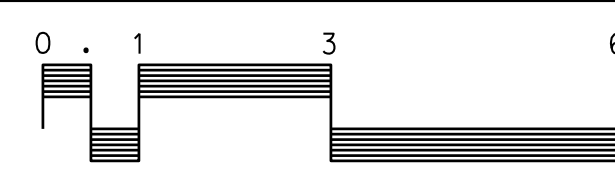
CONSULTANTS

REVISIONS

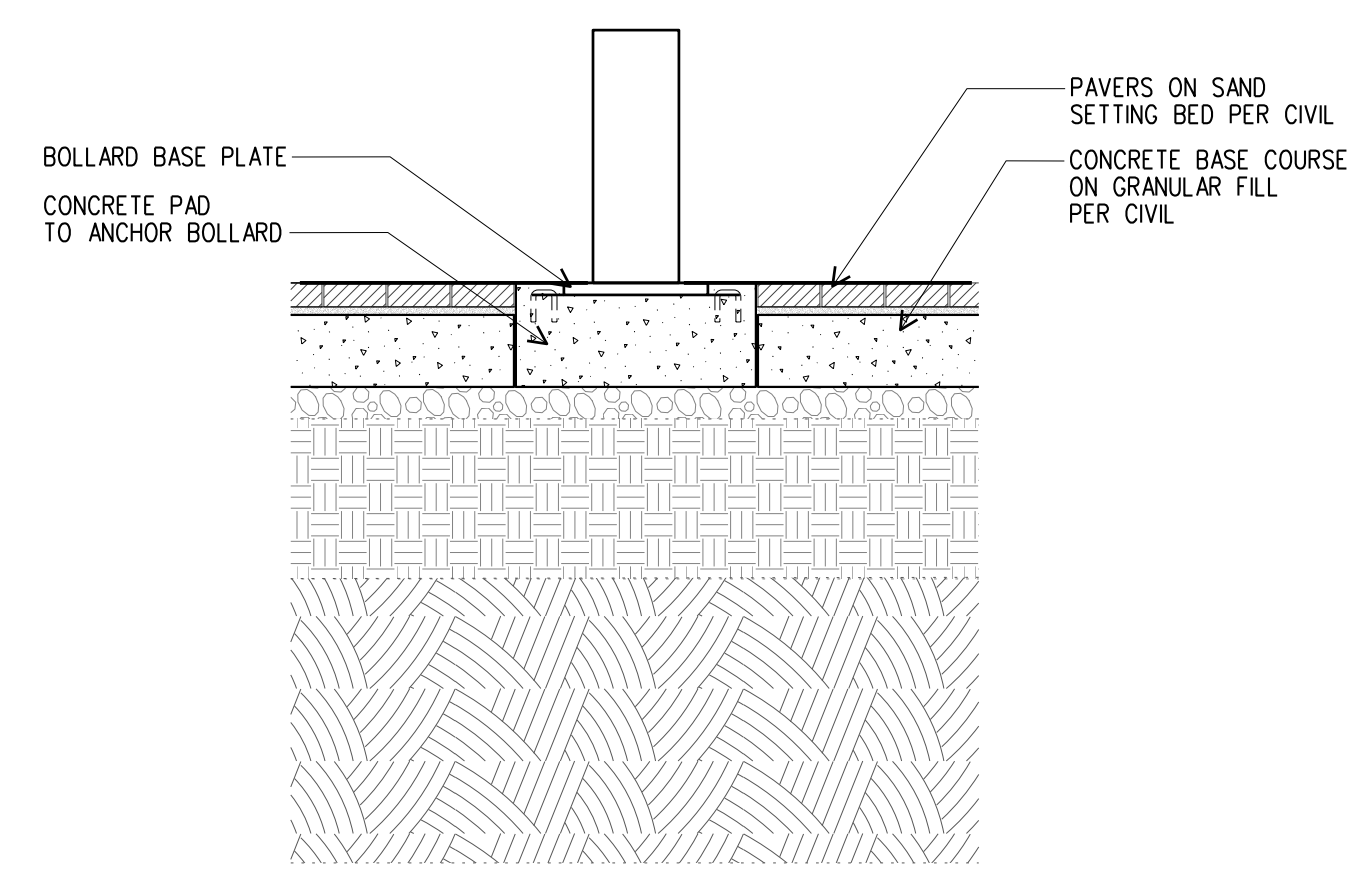
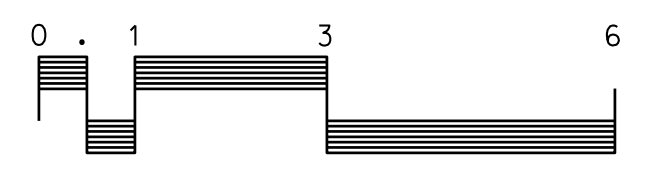
NO.	DATE	DESCRIPTION



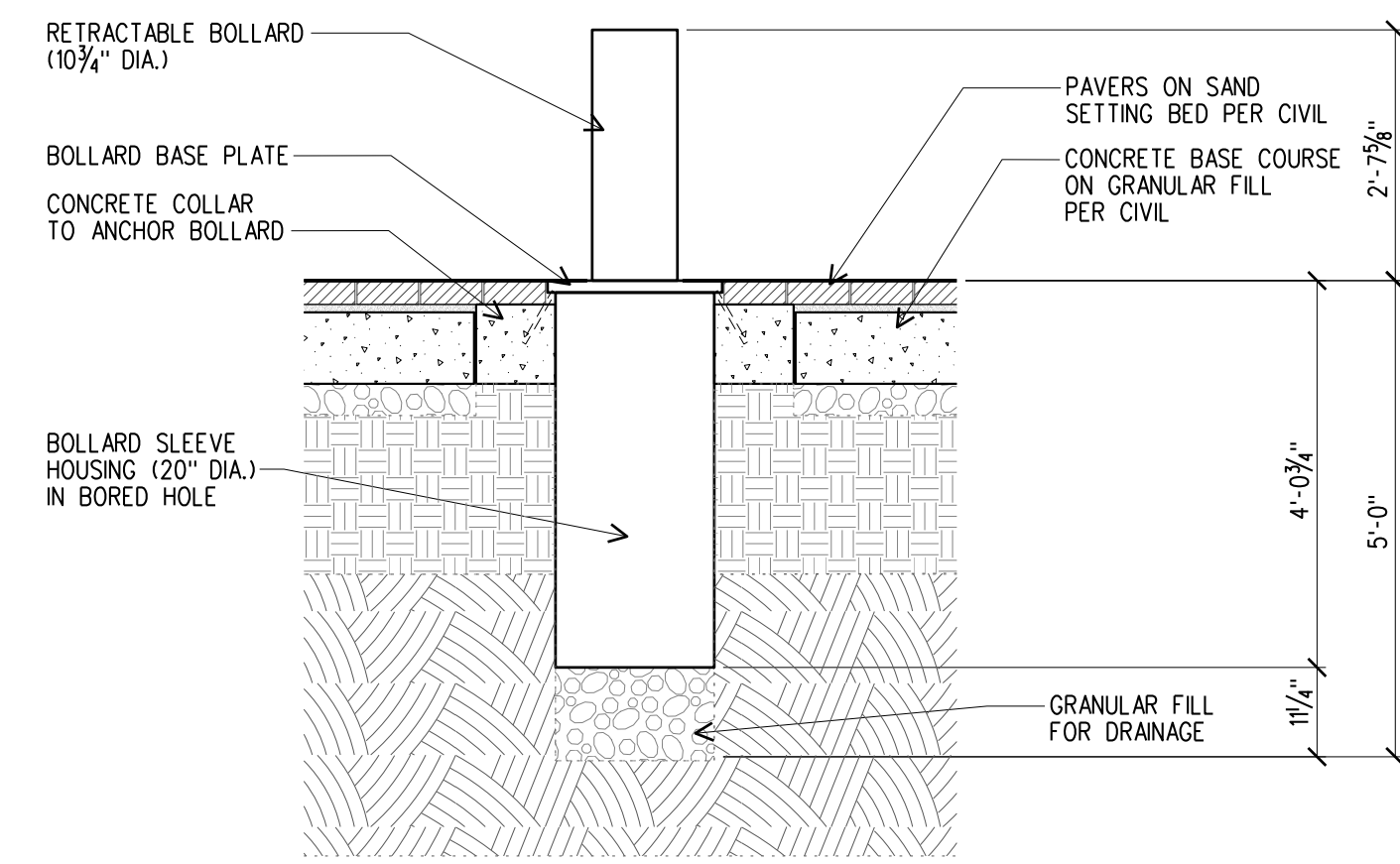
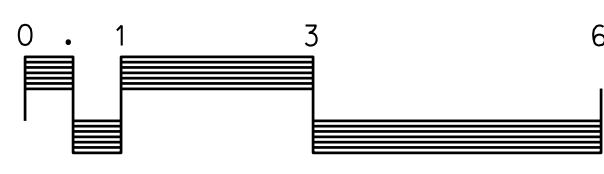
**5** TYPICAL STRING LIGHT POLES  
1/2" = 1'-0"



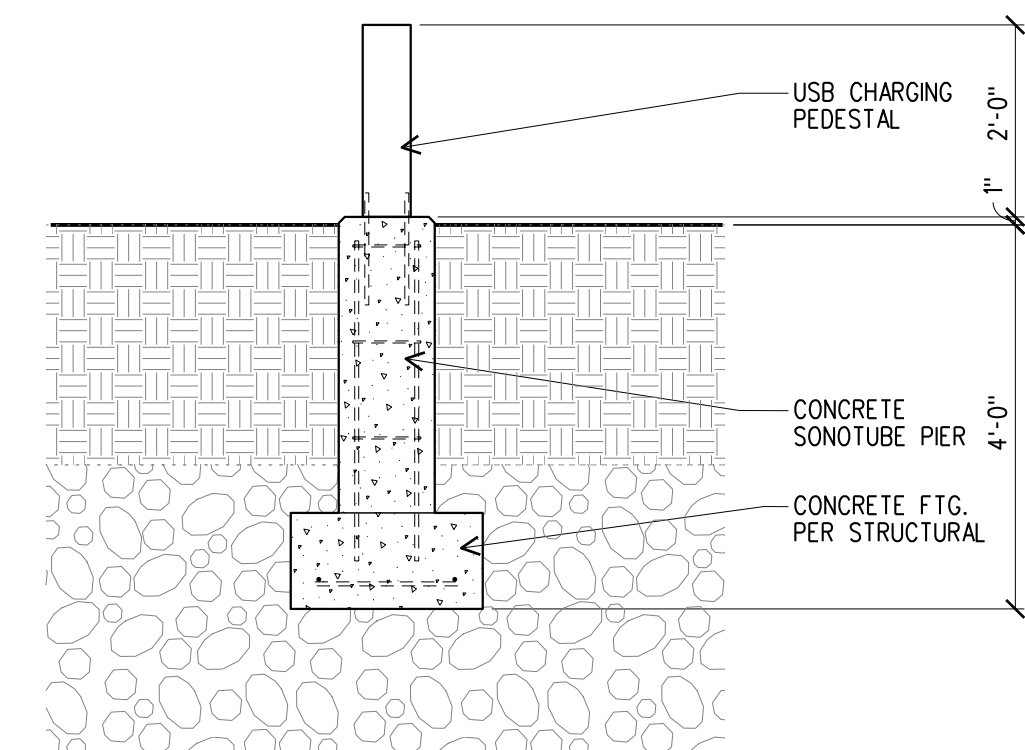
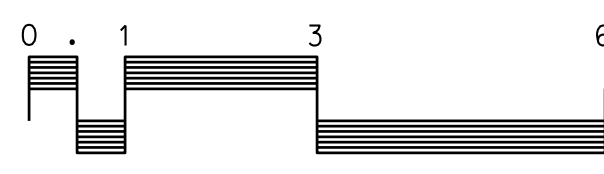
**1** FLAGPOLE  
1/2" = 1'-0"



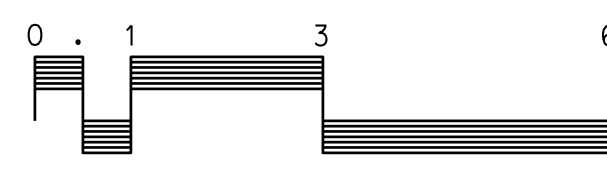
**4** FIXED BOLLARD  
1/2" = 1'-0"



**3** RETRACTABLE BOLLARD  
1/2" = 1'-0"



**2** USB CHARGING PEDESTAL/BOLLARD  
1/2" = 1'-0"



**First Street Plaza Improvements**

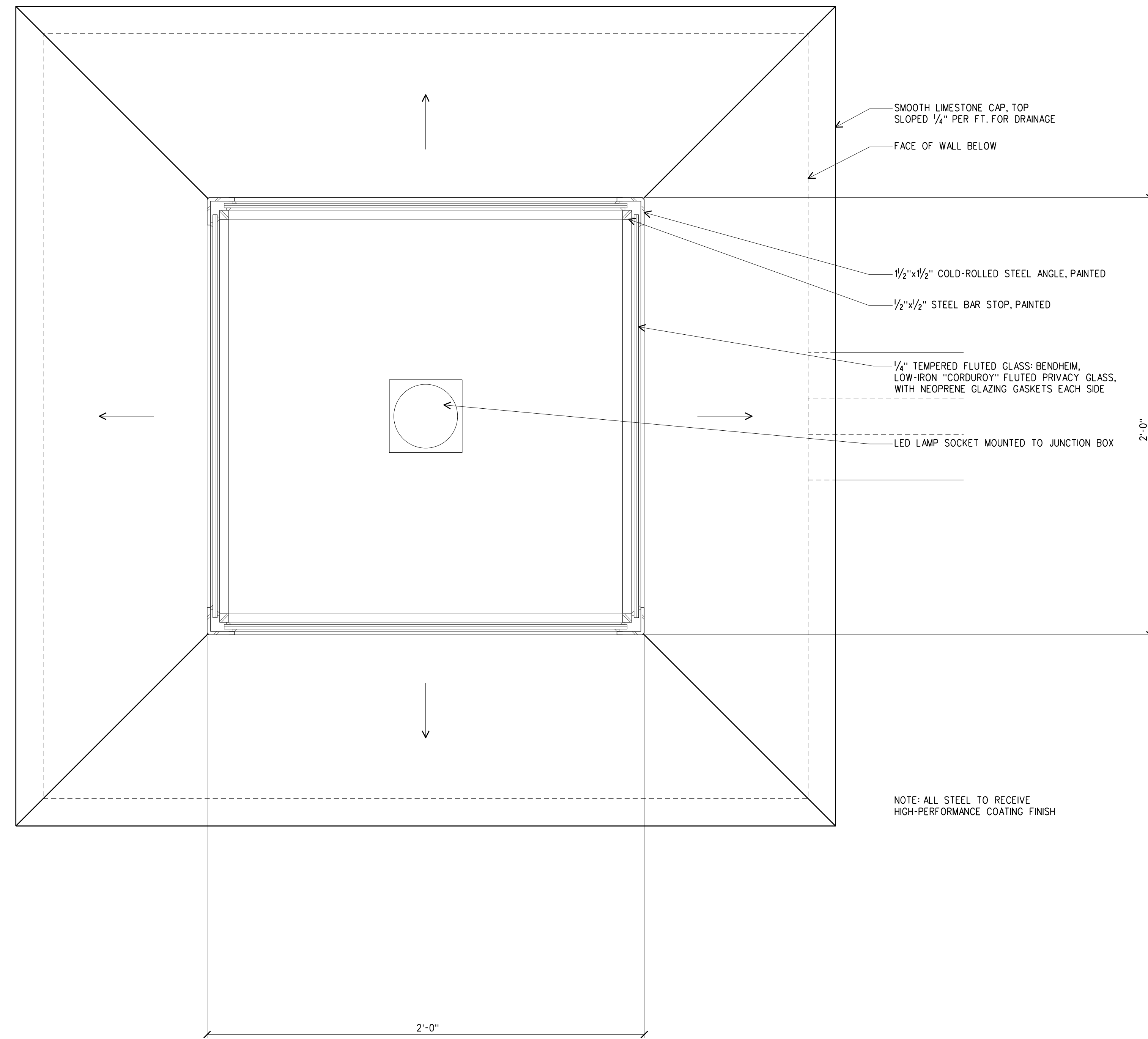
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

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KRZODAD	DAD
	PROJ. MGR:
	MJS

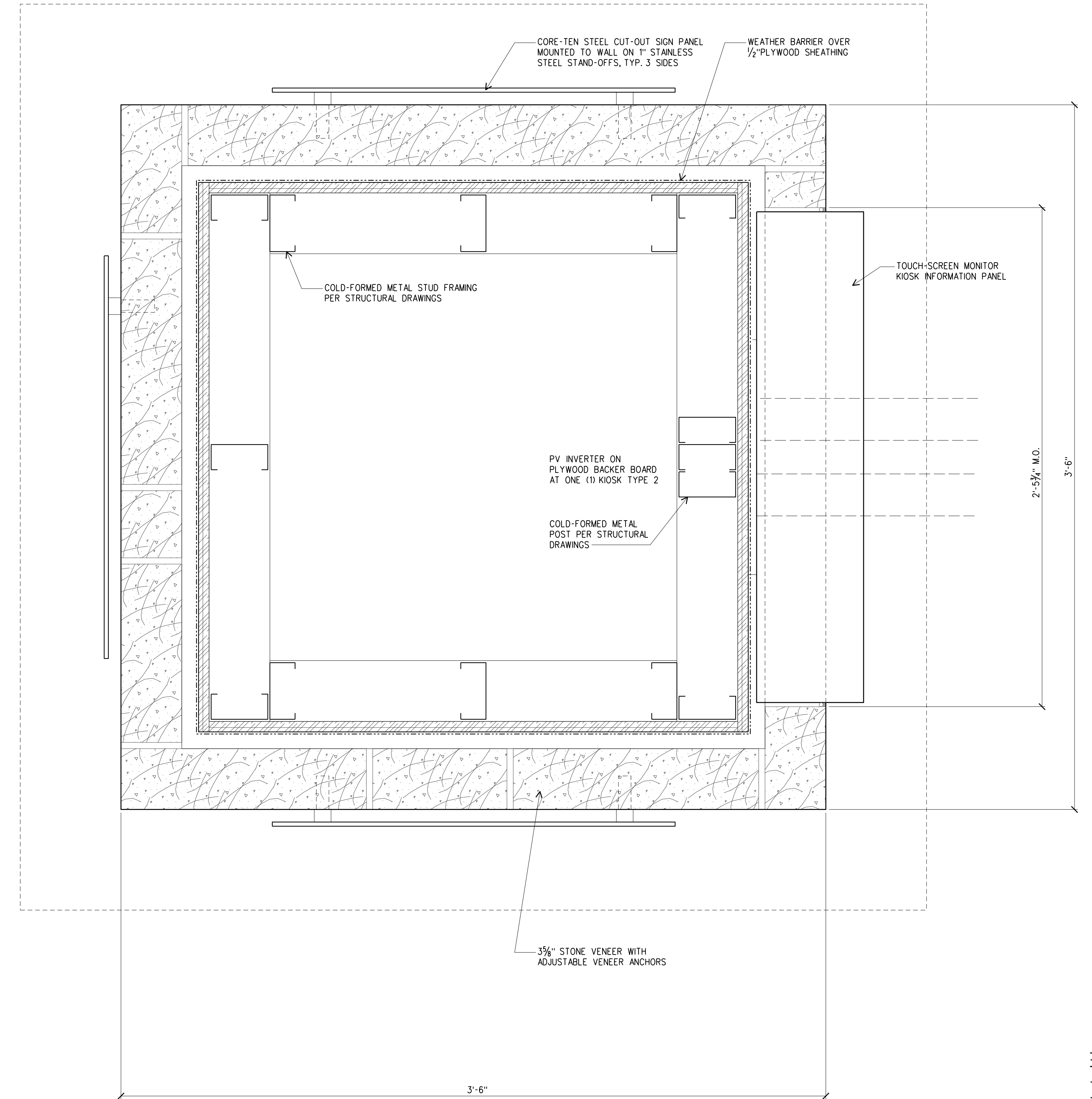
SHEET TITLE  
**LIGHT POLES, BOLLARDS, FLAGPOLES SECTIONS**

PROJ. NO.:	SHEET NO.
2021.09.00	<b>A5.2</b>
DATE:	
10/24/22	





**2 PLAN DETAIL**  
3" = 1'-0"  
0 1" 3" 6" 1'-0"



**1 PLAN DETAIL**  
3" = 1'-0"  
0 1" 3" 6" 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

**First Street Plaza Improvements**  
City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174

DRAWN BY: DAD	CHECKED BY: DAD
PROJ. ARCH: DAD	PROJ. MGR: MJS

SHEET TITLE <b>DETAILS</b>	
PROJ. NO.: 2021.09.00	SHEET NO. <b>A6.0</b>
DATE: 10/24/22	