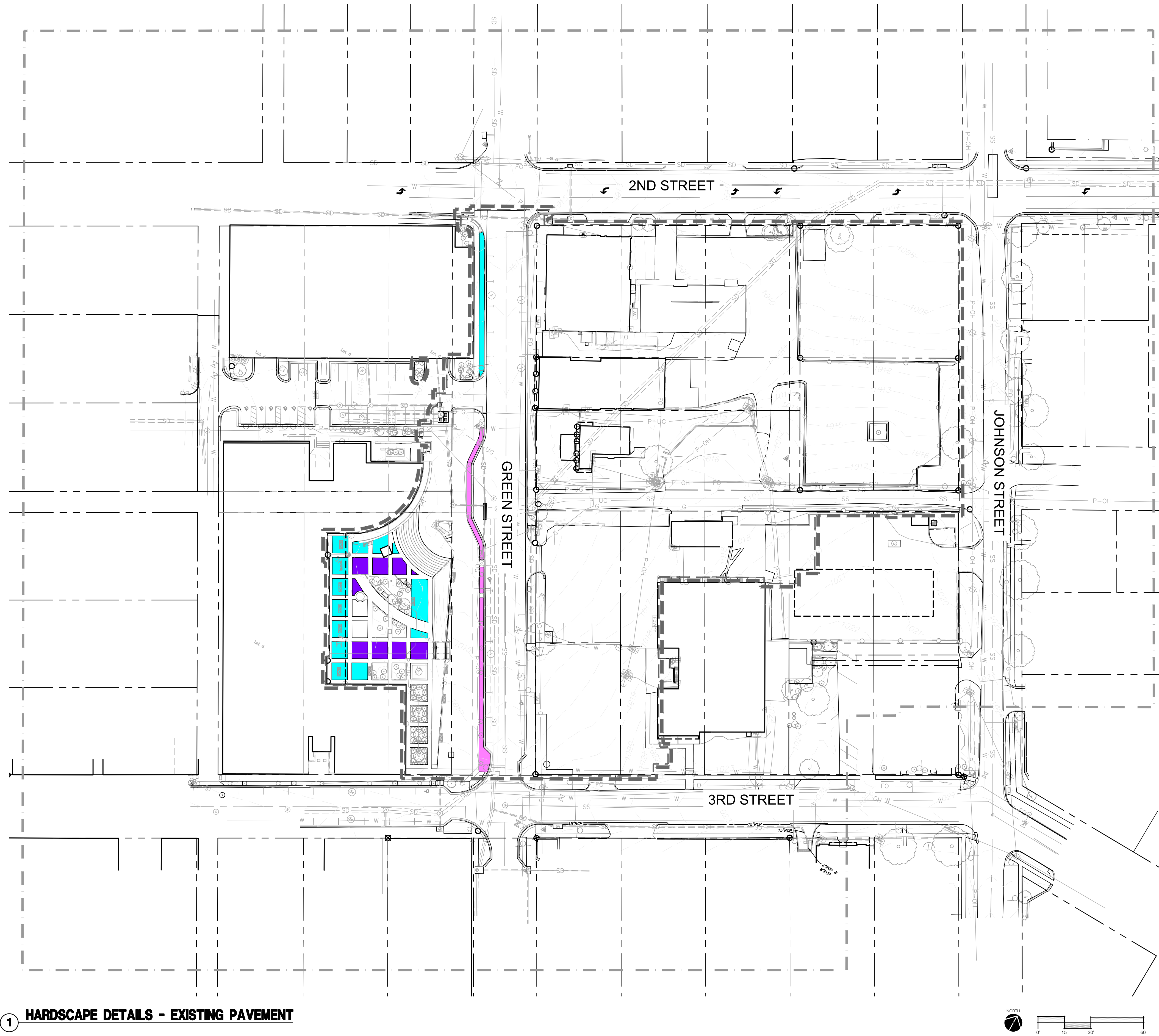





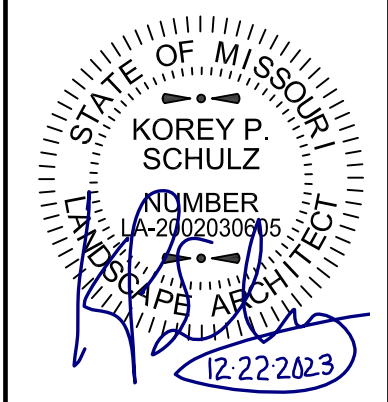
1 **HARDSCAPE DETAILS - EXISTING PAVEMENT**



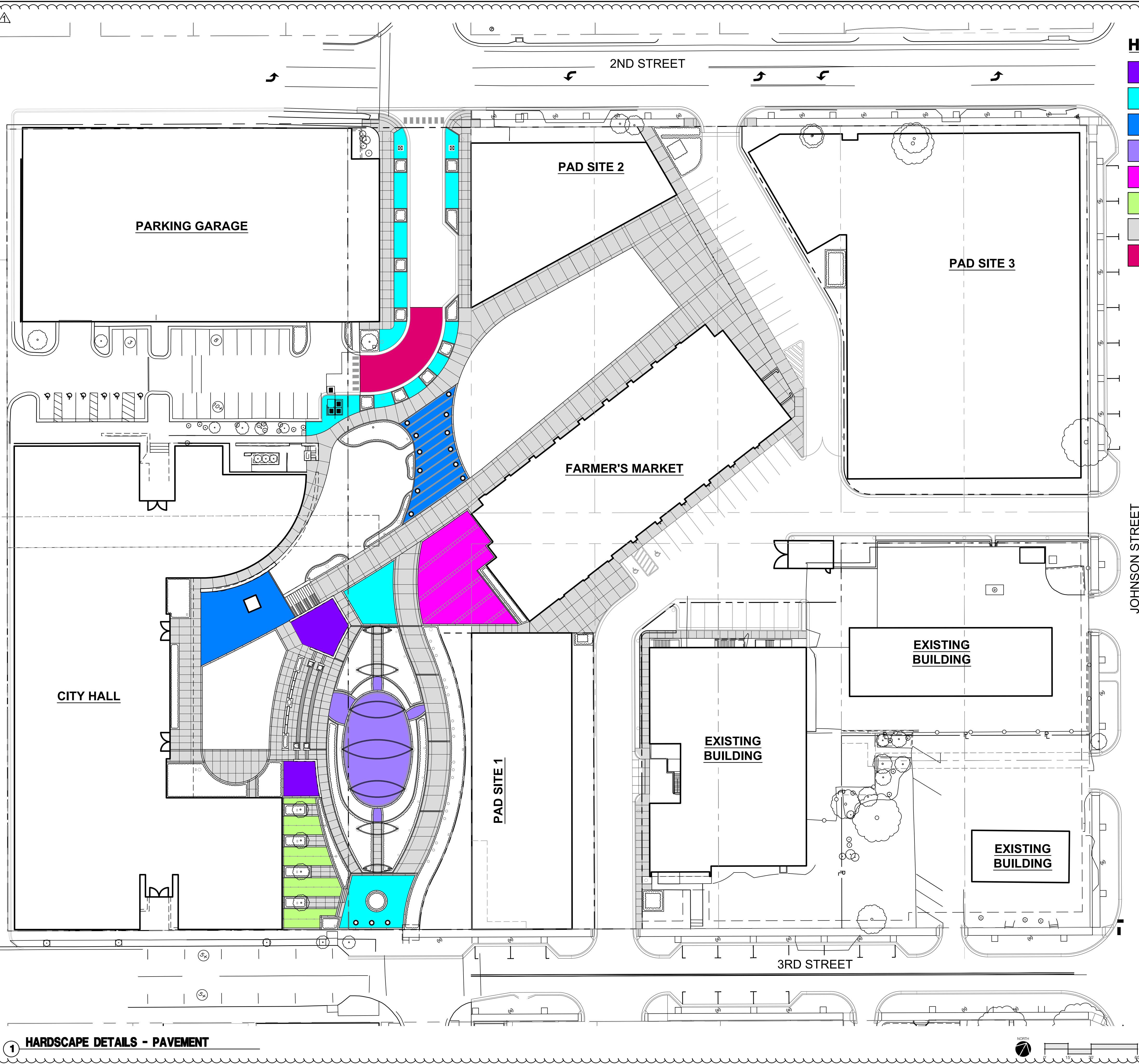
HARDSCAPE PAVEMENT LEGEND:

- | | |
|---|--|
|  | PAVER #1(SALVAGED RED 8X8 PAVERS) |
|  | STREETSCAPE PAVERS - PAVER #2 & PAVER #3 (SALVAGED RED AND BROWN 4X8 KANSAS CITY BRICK) |
|  | GARDEN FORECOURT PLAZA PAVERS - PAVER #2 (SALVAGED RED 4X8 KANSAS CITY BRICK) |

NOTE: REFERENCE MATERIAL SCHEDULE (L004) FOR MORE INFORMATION ON SALVAGED PAVERS.

[illegible]

DWG: F:\2023\00001-00500\022-00393\40-design\AutoCAD\final plans\Sheet\OSTU\L-HSC-DTL01_02200393.dwg USER: tewehis
DATE: Dec 21, 2023 11:35am XREFS: L_PTBK_02200393 DET-TYPICAL-HSC_02200393 L_PBASE_02200393 V_XBNDY_02200393 L_PPATT_02200393 C_PBASE_ROAD_02200393 L_PBASE_RDWY_02200393



HARDSCAPE PAVEMENT LEGEND:

- OVERLOOK PAVERS; REF: HARDSCAPE PLANS & 3/L303 (SALVAGED 8x8 PAVERS)
- STREETSCAPE PAVERS & GARDEN FORECOURT PLAZA PAVERS; REF: HARDSCAPE PLANS & L304 (SALVAGED KANSAS CITY BRICK)
- MARKET ENTRY PAVERS; REF: HARDSCAPE PLANS & 4/L302 AND CLOCK TOWER PLAZA PAVERS; REF: HARDSCAPE PLANS & 3/L302 (NEW KANSAS CITY BRICK)
- WICKET GARDEN PAVERS; REF: HARDSCAPE PLANS & 1/L302 (NEW CONCRETE PAVERS)
- MARKET PLAZA PAVERS; REF: HARDSCAPE PLANS & 2/L302 (NEW CONCRETE PAVERS)
- CITY LOUNGE PAVERS; REF: HARDSCAPE PLANS & 3/L303 (NEW CONCRETE PAVERS)
- NEW GRAY CONCRETE PAVING; REF: HARDSCAPE PLANS & 1 & 2/L303
- NEW INTEGRAL COLOR CONCRETE PAVING; REF: HARDSCAPE PLANS & 2/L303

NOTE: REFERENCE MATERIAL SCHEDULE (L004) FOR NEW AND SALVAGED PAVER COLORS. REFERENCE L200 FOR PEDESTRIAN OR VEHICULAR RATED AREAS

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816 842 8844
olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
NUMBER 000000006
EXPIRATION DATE 12-22-2023

BY
REV. NO. 1
DATE 12-22-2023
REVISIONS DESCRIPTION
ADENDUM #1

REVISIONS
2023

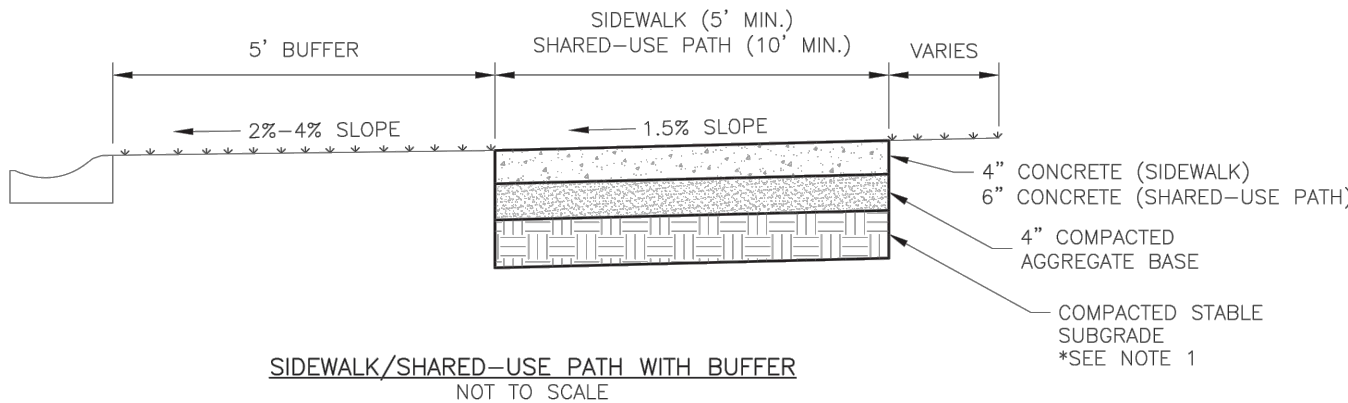
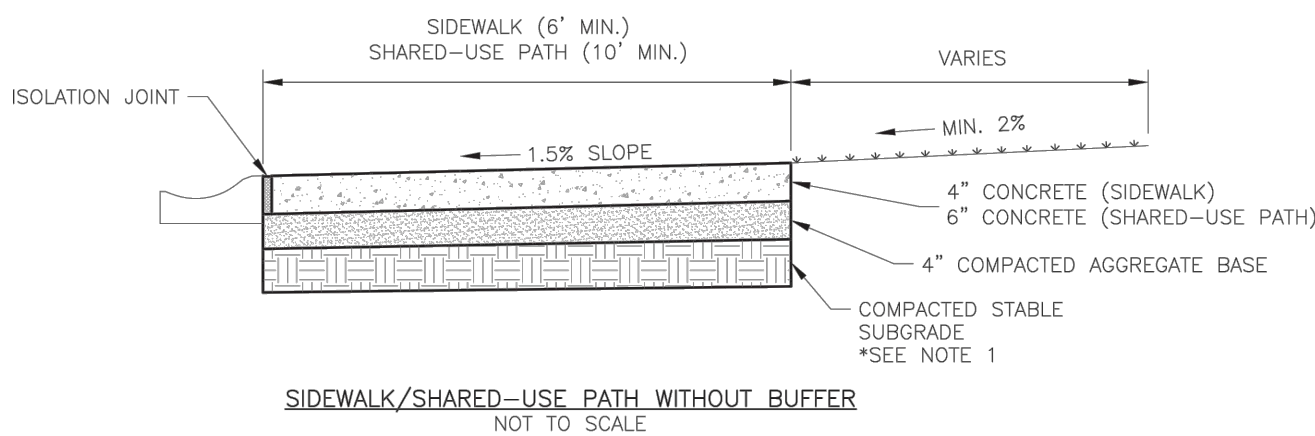
HARDSCAPE DETAILS - PAVEMENT

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MISSOURI

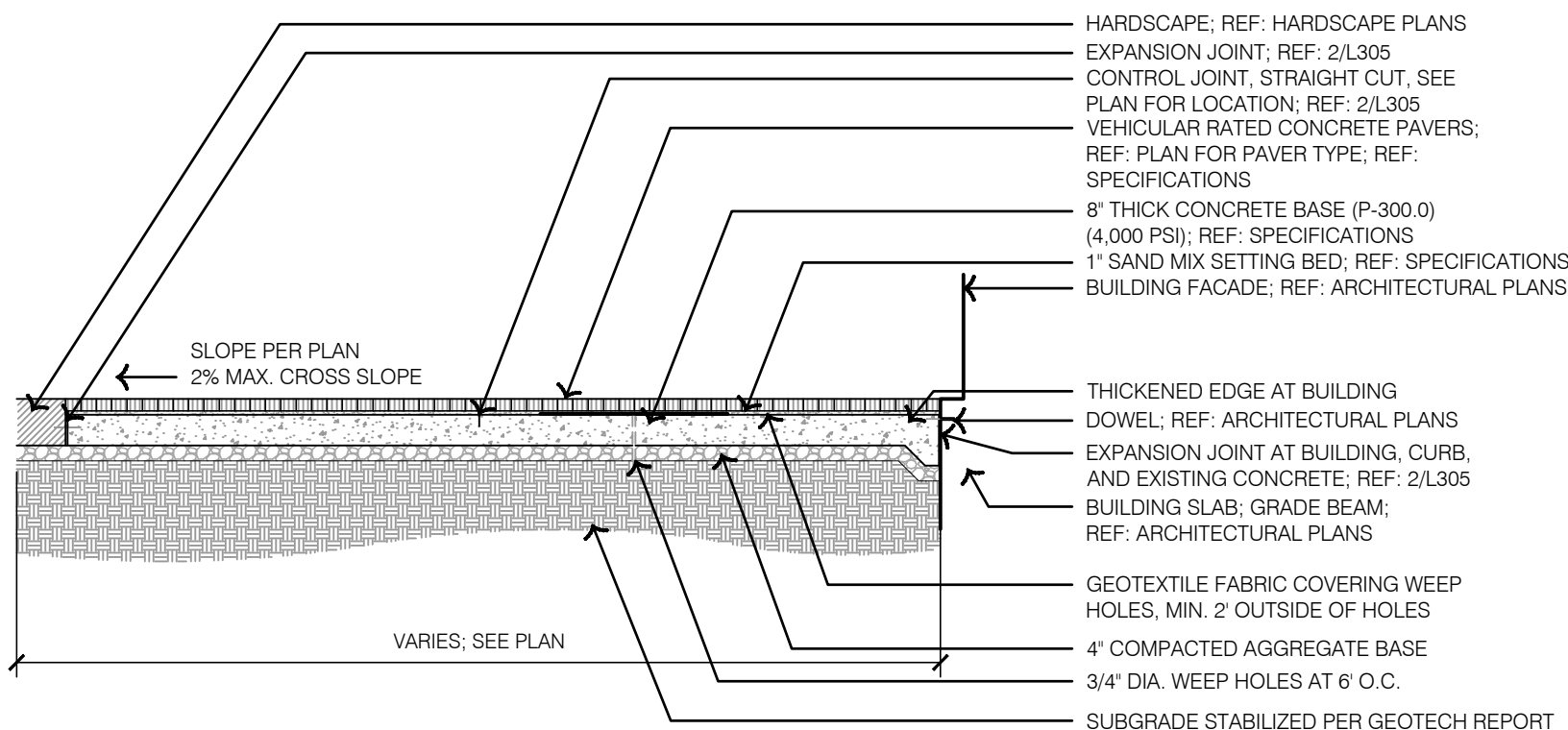
drawn by: TS/TGEW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing title: HSC-DTL01_02200393
date: 12/22/2023

SHEET
L301

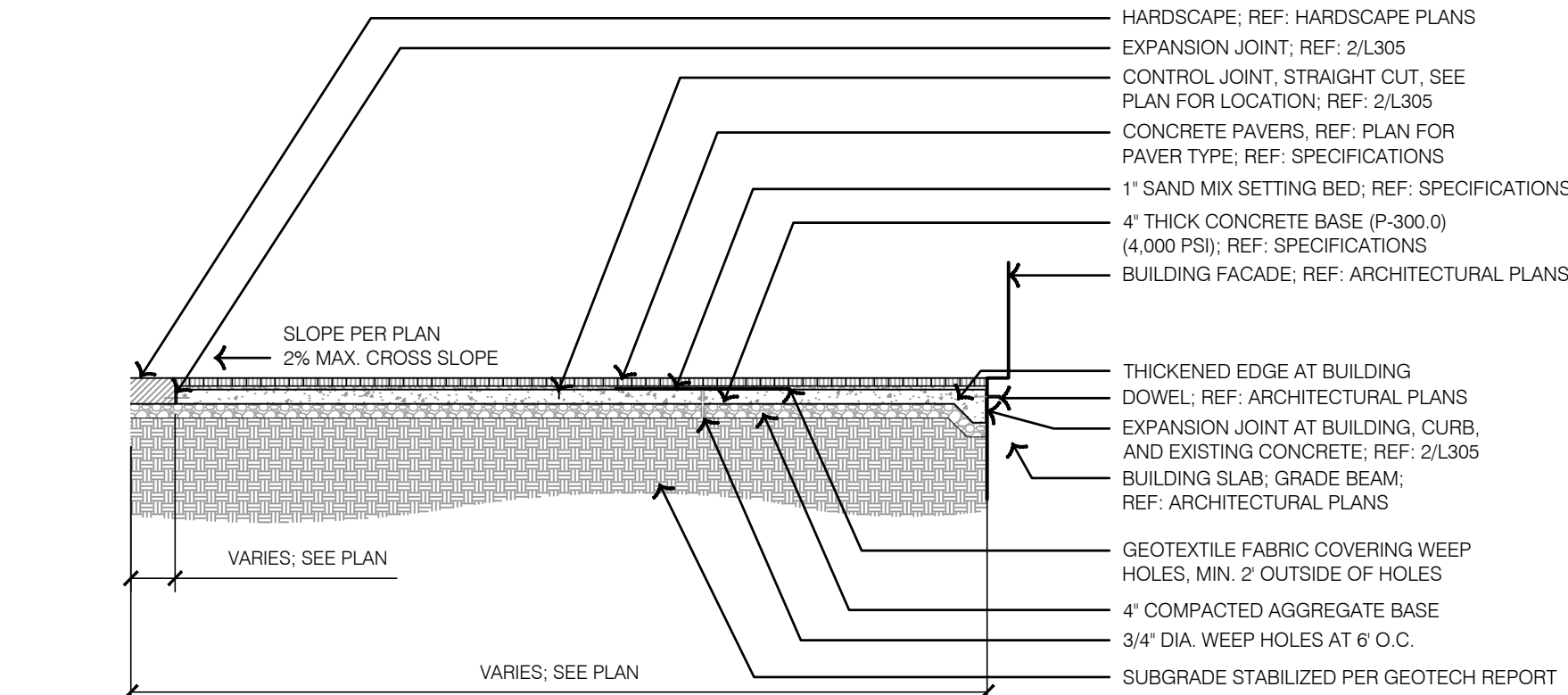


- GENERAL NOTES:
- SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
 - 1.5% CROSS SLOPE MUST BE MAINTAINED THROUGH DRIVEWAYS.
 - KCMMB 4K CONCRETE MIX SHALL BE REQUIRED FOR ALL SIDEWALKS/SHARED-USE PATHS.
 - ALL SIDEWALK/SHARED-USE PATHS SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).
 - AN ISOLATION JOINT SHALL BE PLACED AT A MAXIMUM OF 100 FT. CONSTRUCTION JOINTS SHALL BE PLACED THE SAME WIDTH OF SIDEWALK/SHARED-USE PATHS, BUT NO GREATER THAN 10 FT.
 - AN ISOLATION JOINT SHALL BE PLACED WHERE THE SIDEWALK/SHARED-USE PATHS MEETS A RESIDENTIAL DRIVEWAY.
 - SHARED-USE PATHS WIDTH SHALL BE 10 FT. WIDE.
 - SIDEWALK/SHARED-USE PATHS FINISHING SHALL BE FULL BROOM FINISH OR AS DIRECTED BY CITY INSPECTOR.
 - WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.

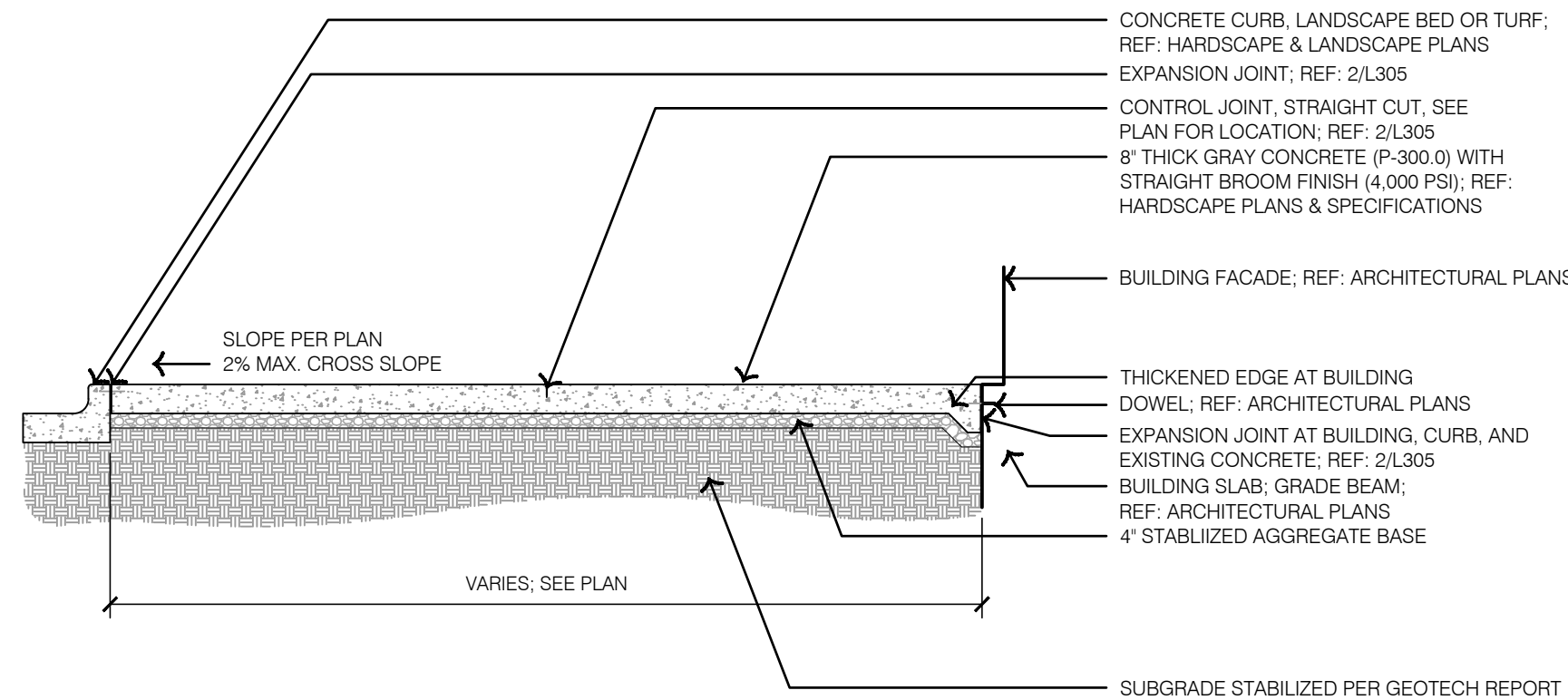
5 TYPICAL LEE'S SUMMIT PUBLIC SIDEWALK DETAILS



4 TYPICAL HEAVY DUTY CONCRETE PAVERS

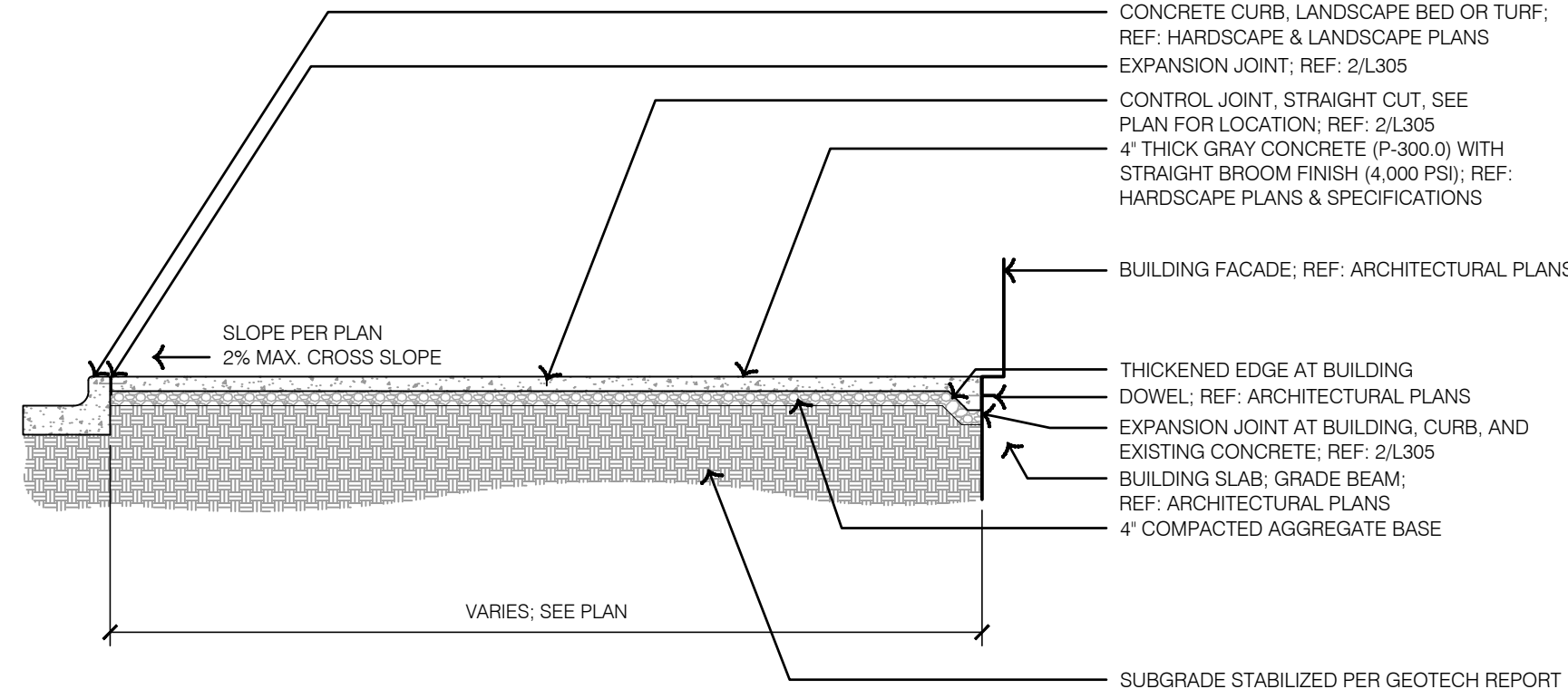


3 TYPICAL CONCRETE PAVERS



- NOTES:
- EXPANSION JOINTS SHALL BE PLACED AT RADIAL POINTS AND WHERE SIDEWALKS & PEDESTRIAN CONCRETE PAVING ABUTS CONCRETE CURB, DRIVEWAYS AND SIMILAR STRUCTURES. JOINTS TO BE PLACED AT INTERVALS WITH NOT MORE THAN 100' CENTERS.
 - THE PEDESTRIAN CONCRETE PAVING SURFACE SHALL BE MARKED OFF AS SHOWN ON PLANS BY CONTROL JOINTS.
 - BROOM FINISH SHALL BE PERPENDICULAR TO BUILDING FACADE.
 - GRAY CONCRETE SHALL BE PER SPECIFICATIONS.

2 TYPICAL HEAVY DUTY GRAY AND INTEGRAL COLOR CONCRETE



- NOTES:
- EXPANSION JOINTS SHALL BE PLACED AT RADIAL POINTS AND WHERE SIDEWALKS & PEDESTRIAN CONCRETE PAVING ABUTS CONCRETE CURB, DRIVEWAYS AND SIMILAR STRUCTURES. JOINTS TO BE PLACED AT INTERVALS WITH NOT MORE THAN 100' CENTERS.
 - THE PEDESTRIAN CONCRETE PAVING SURFACE SHALL BE MARKED OFF AS SHOWN ON PLANS BY CONTROL JOINTS.
 - BROOM FINISH SHALL BE PERPENDICULAR TO BUILDING FACADE.
 - GRAY CONCRETE SHALL BE PER SPECIFICATIONS.

1 TYPICAL GRAY CONCRETE

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844
olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
NUMBER 000000006
EXPIRATION DATE 12-22-2023

BY

REV. NO. 1

DATE 12-22-2023

REVISIONS DESCRIPTION

ADENDUM #1

REVISIONS

2023

HARDSCAPE DETAILS - PAVEMENT

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MISSOURI

drawn by: TS/TG/EW

checked by: DV

approved by: KPS

QA/QC by: BM

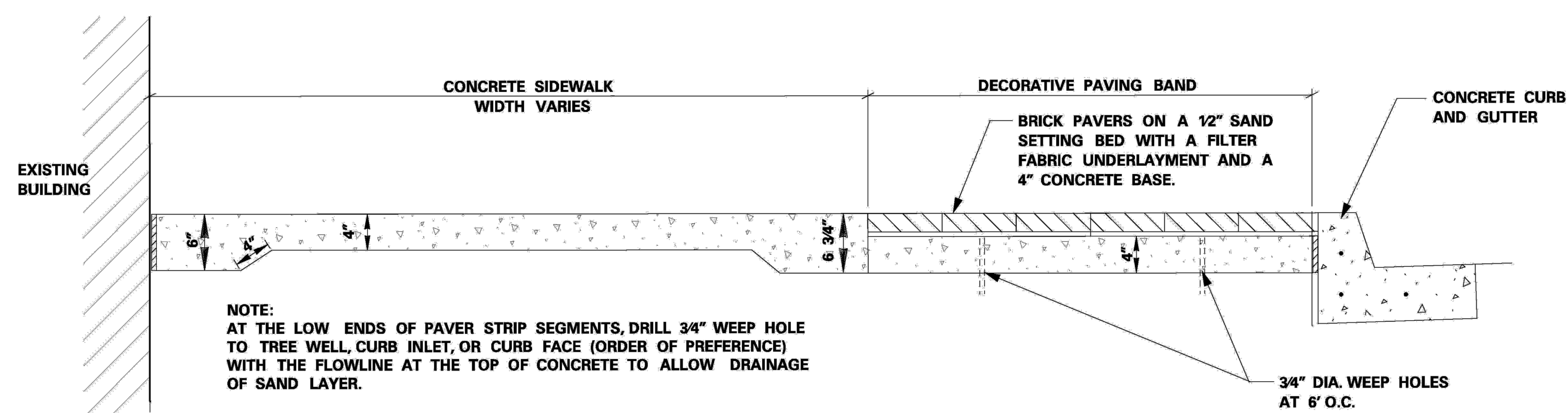
project no.: 022-00393

drawing title: HSC_DTL01_02200393

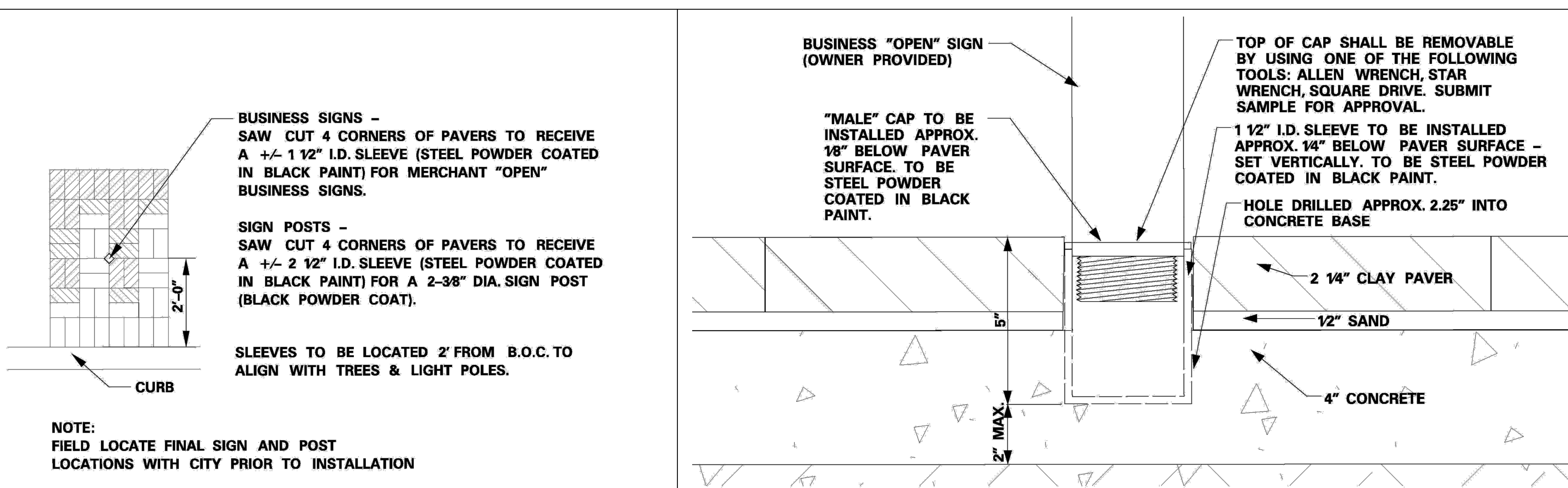
date: 12/22/2023

SHEET

L303

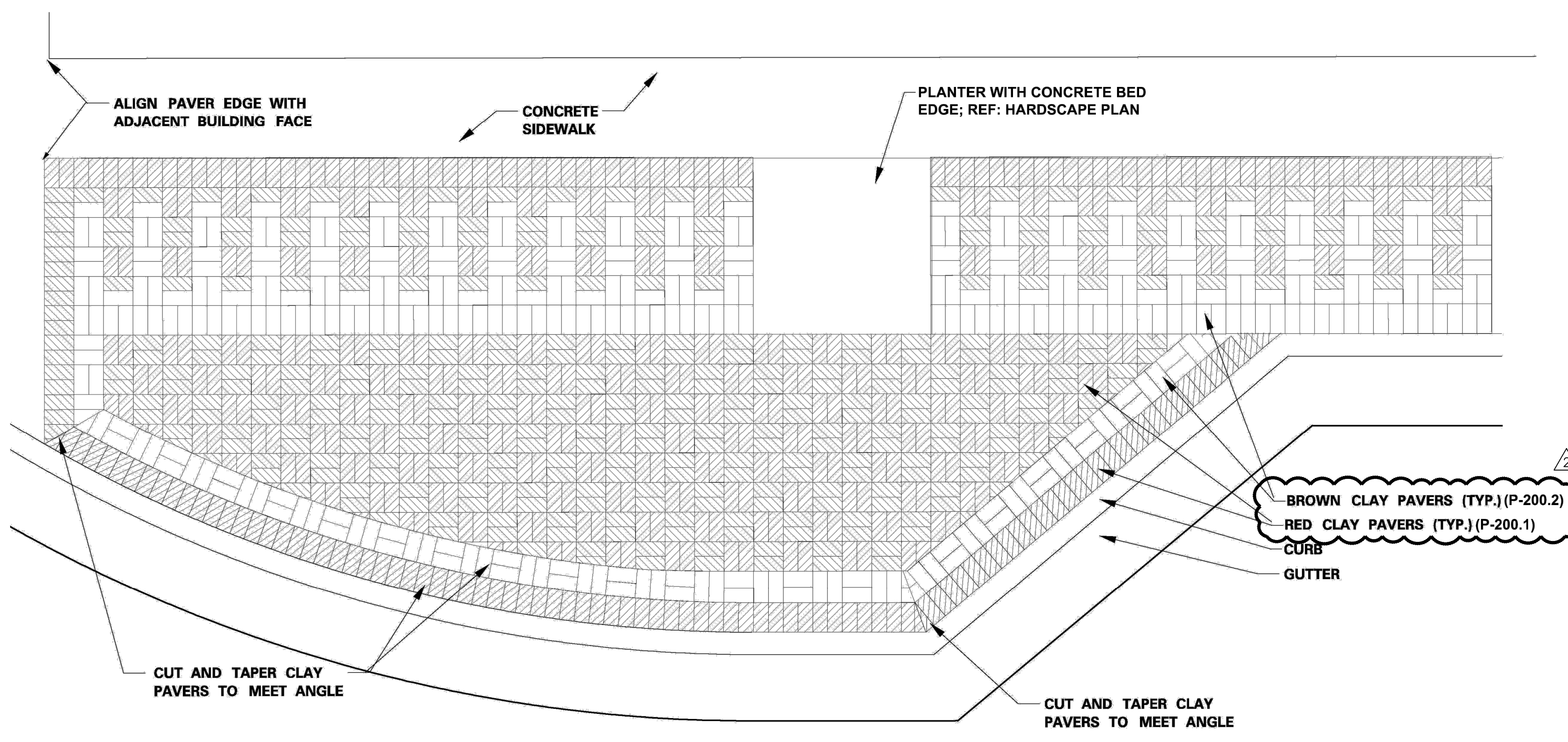


6 TYPICAL CLAY PAVER SECTION



5 TYPICAL PLAN - SLEEVE FOR BUSINESS SIGNS & SIGN POSTS

4 TYPICAL SLEEVE FOR BUSINESS SIGN



3 TYPICAL PAVING DETAIL - NW CORNER - 3RD ST. & MARKET

GENERAL STREETSCAPE NOTES:

1. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES BEFORE COMMENCING WORK. SHOULD A GRADE DIFFERENCE, UTILITY CONFLICT, OR OBSTRUCTION TO PLANTING OPERATIONS OCCUR, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK IN THE AREA. THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS TO PREVENT INTERRUPTION OF UTILITY SERVICES OR DAMAGE TO THEM. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURES TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES AND STRUCTURES.

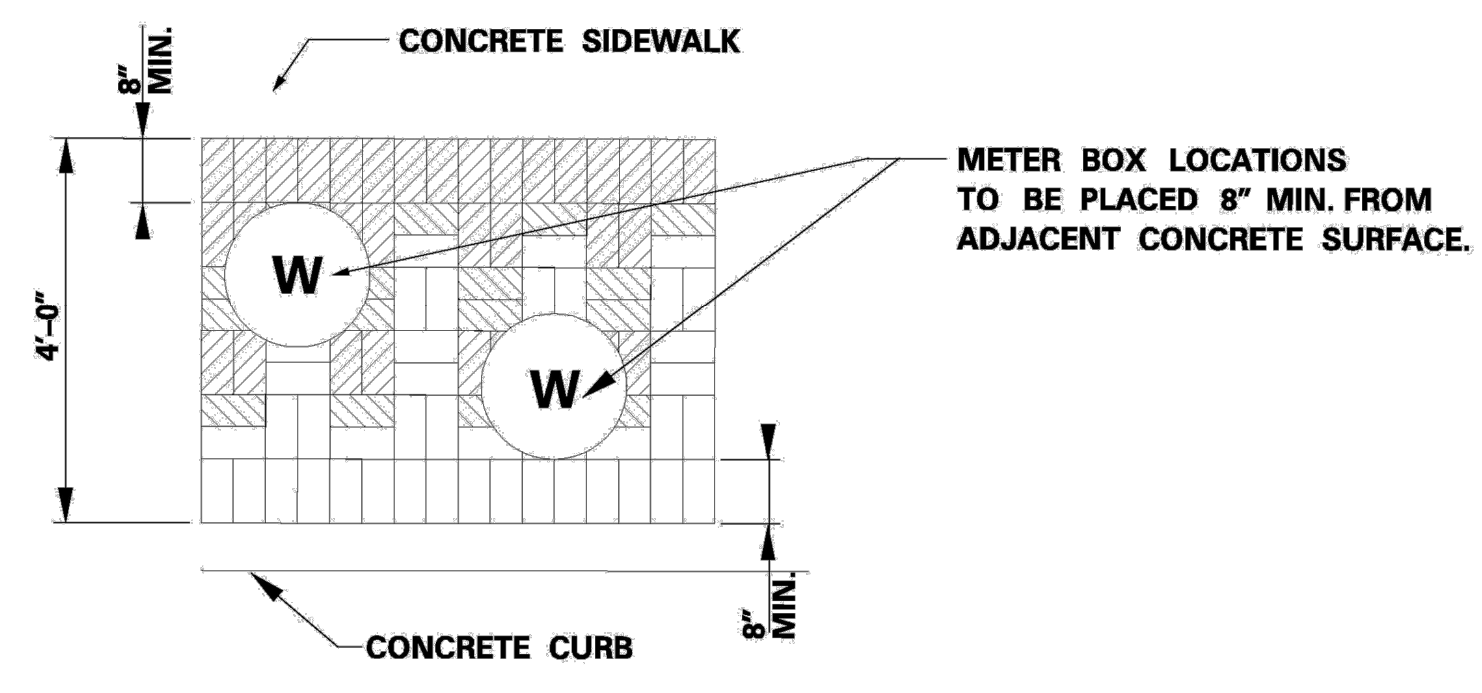
2. ALL PLANT MATERIALS DELIVERED TO THE SITE FOR APPROVAL AND INSTALLATION SHALL BE IDENTIFIED AND TAGGED, SO AS TO INSURE THE PLANTS PROVIDED ARE AS SPECIFIED AND APPROVED FOR USDA HARDINESS ZONE 5b.

3. PLANTING BED PREPARATION: INCORPORATE AN APPROVED COMPOSTED MATERIAL INTO EXISTING SOIL FOR ALL TREE PLANTING BEDS (AS INDICATED ON PLANS) BY PLACING A MINIMUM DEPTH OF 3" ORGANIC MATERIAL OVER ALL PLANTING AREAS, AND THOROUGHLY MIXING ORGANIC MATERIAL INTO EXISTING SOIL BY ROTOTILLING OR OTHER APPROVED METHOD TO A MINIMUM DEPTH OF 8".

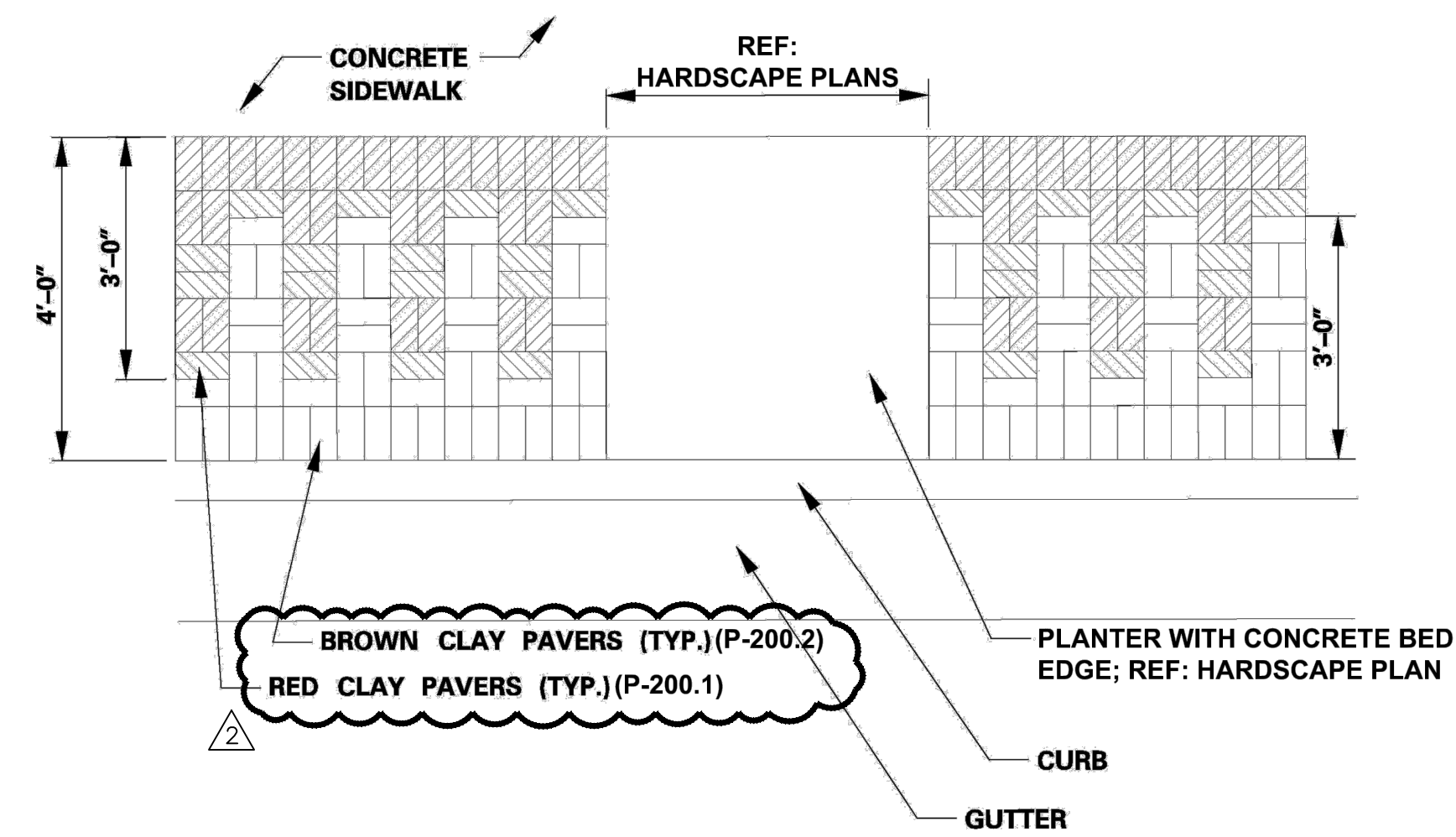
4. MULCH MATERIAL SHALL BE AN EVEN GRADED 14" DIA. NATIVE COLOR PEA GRAVEL APPLIED AROUND EACH TREE TO A MINIMUM DEPTH OF 3" IN EACH TREE WELL. CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO ORDERING MATERIALS. MANUFACTURER: HOUSE OF ROCKS, 1725 MERRIAM LANE, KANSAS CITY, KANSAS 66106, 913-432-5990.

5. RED AND BROWN CLAYPAVERS TO BE 1/4" X 4" X 8" ENDICOTT FULL CLAY PAVERS, SQUARE EDGE, COLORS MEDIUM IRONSPOT #77 AND DARK IRONSPOT. MANUFACTURER: KANSAS CITY BRICK 5717 KANSAS AVENUE, KANSAS CITY, KS 10666, 913-287-7200. CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL.

6. AT THE LOW ENDS OF PAVER STRIP SEGMENTS, DRILL 3/4" WEEP HOLE TO TREE WELL, CURB INLET, OR CURB FACE (ORDER OF PREFERENCE) WITH THE FLOWLINE AT THE TOP OF CONCRETE TO ALLOW DRAINAGE OF SAND LAYER.



2 TYPICAL PLAN - WATER METER LOCATIONS WITHIN PAVER BAND



1 TYPICAL PAVING DETAIL - SIDEWALK PAVING PATTERN

7 SILVA CELL DETAILS

6 TYPICAL CONCRETE BED EDGE

5 TYPICAL TURF COLLECTOR PIPE

4. TYPICAL SYNTHETIC TURF LATERAL SUBDRAIN

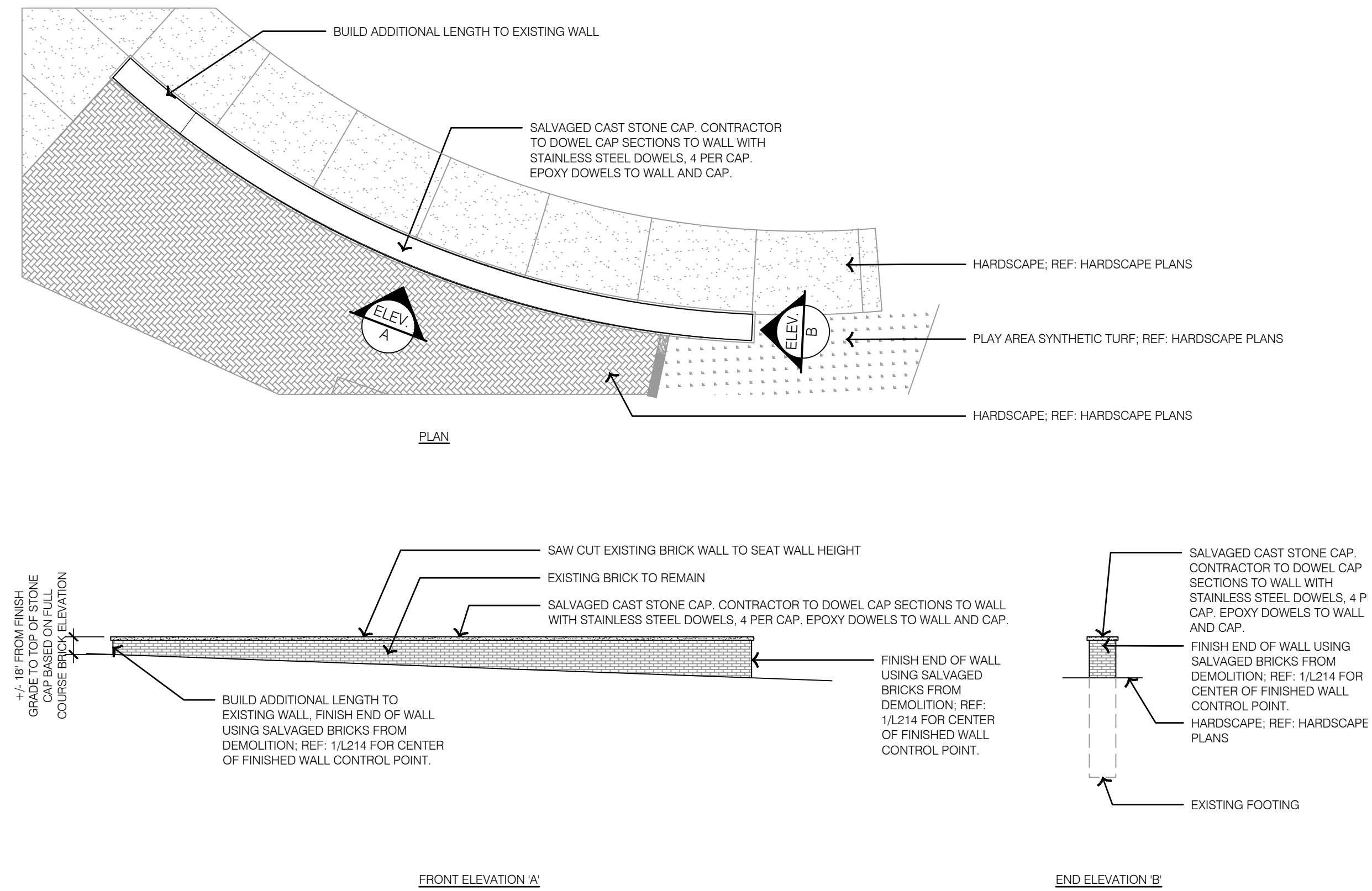
1 TYPICAL SYNTHETIC TURF SECTION DETAIL

3 TYPICAL SYNTHETIC TURF

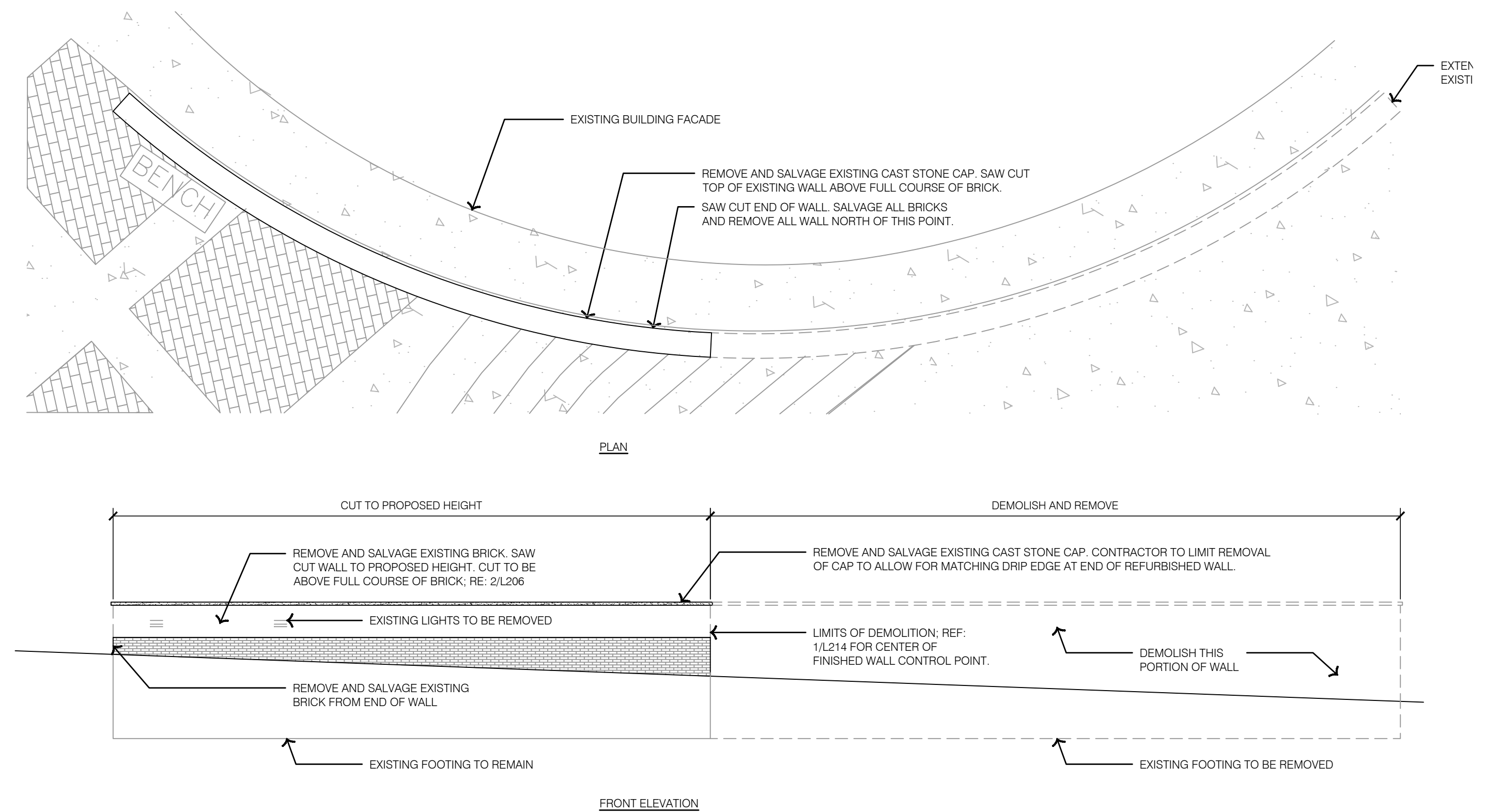
2 TYPICAL TURF SIDEWALK NAILER



3 WALL 1 - PROPOSED PERSPECTIVE RENDERING



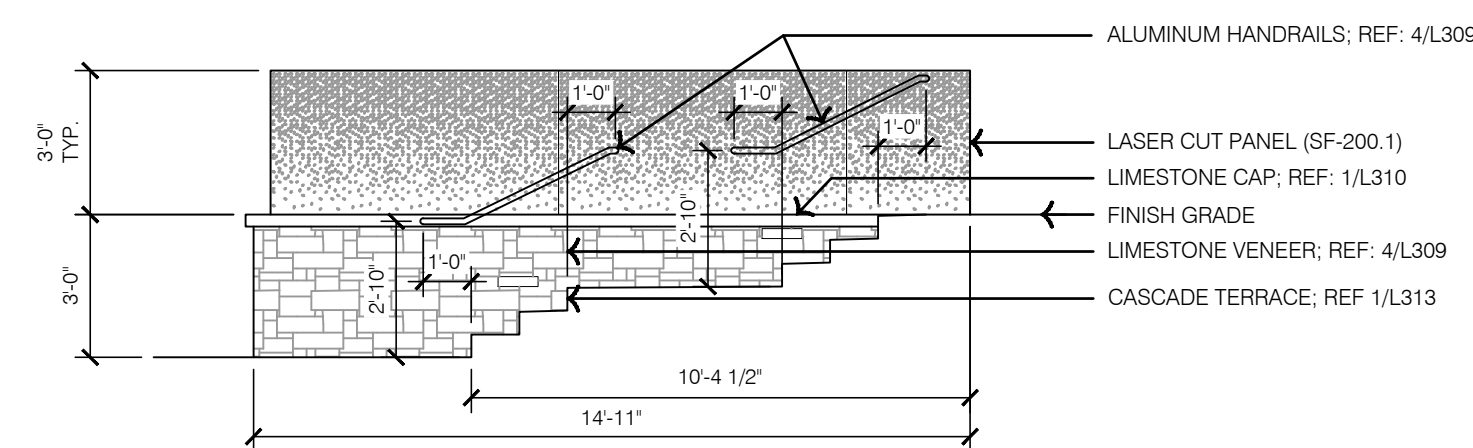
2 WALL 1 - PROPOSED



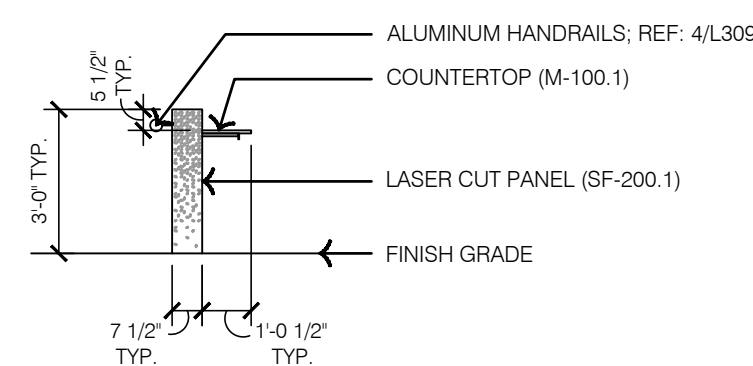
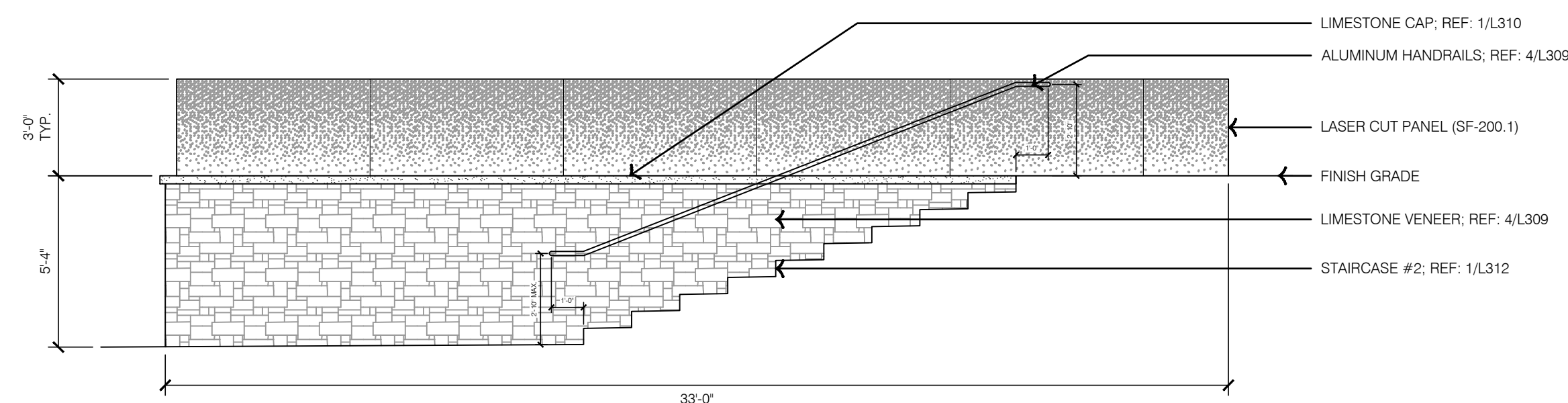
1 WALL 1 - EXISTING CONDITIONS



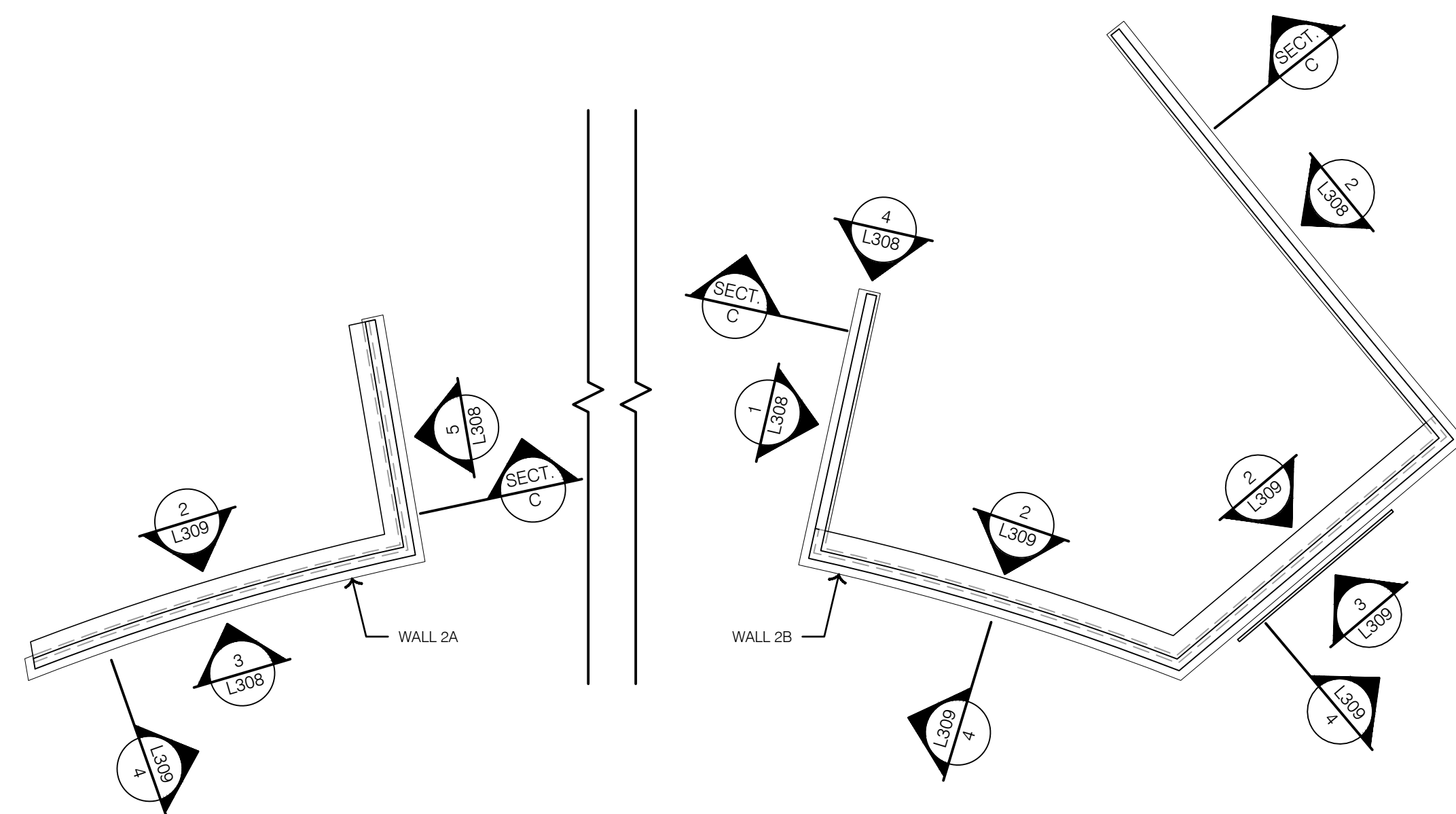
3 WALL TYPE 2 - ELEVATION 2



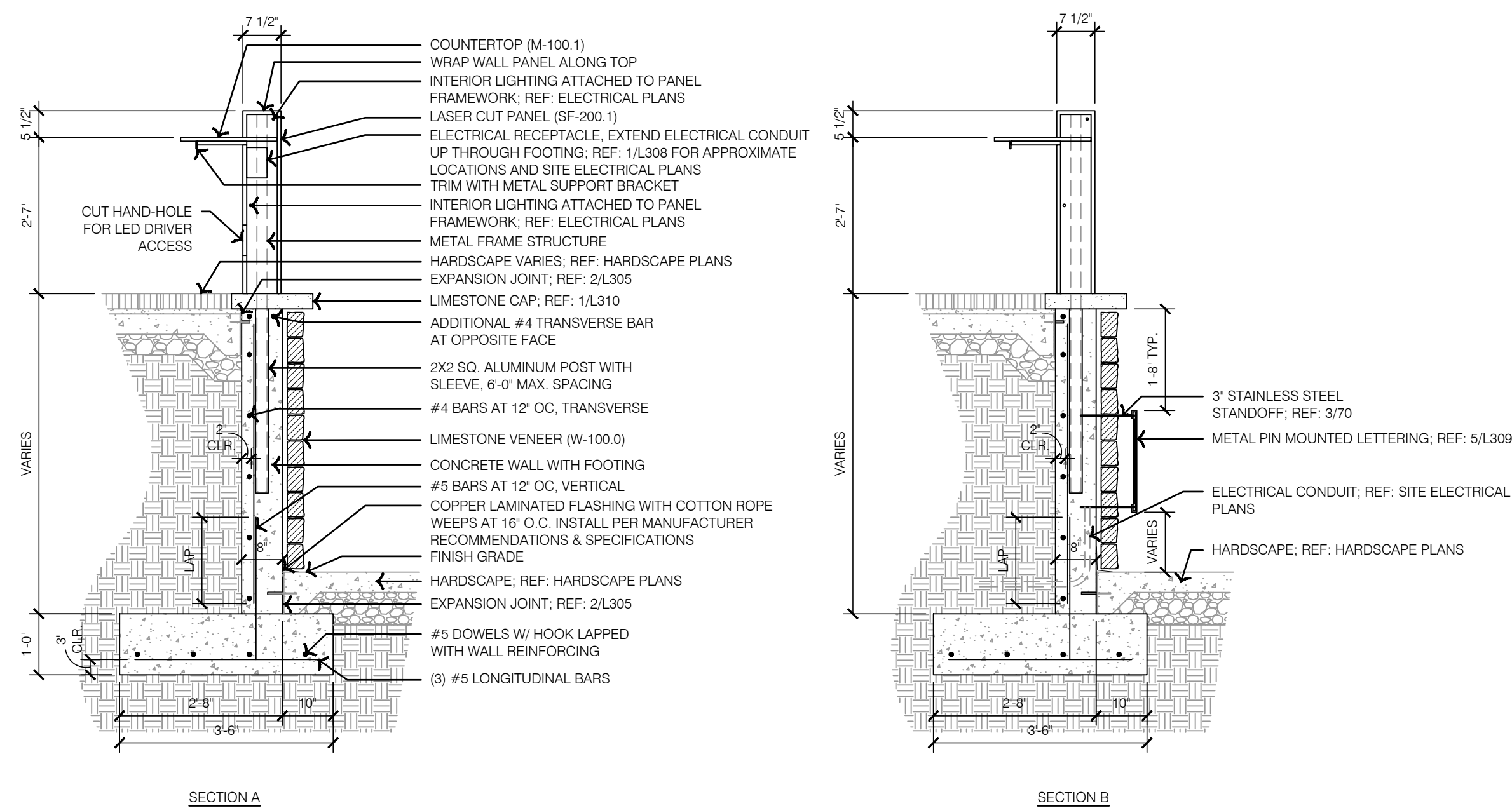
2 WALL TYPE 2 - ELEVATION 1



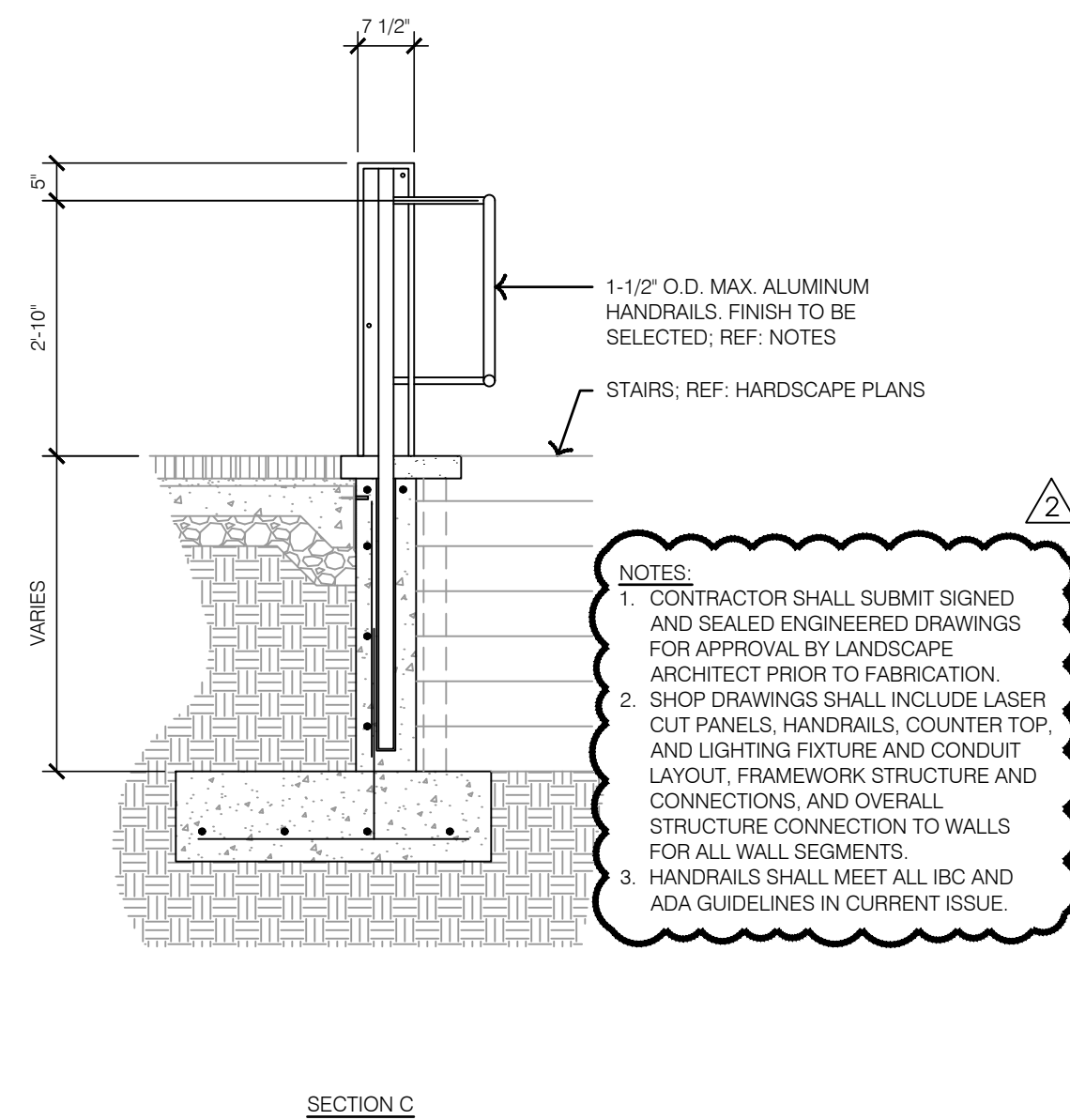
1 WALL TYPE 2 - LAYOUT



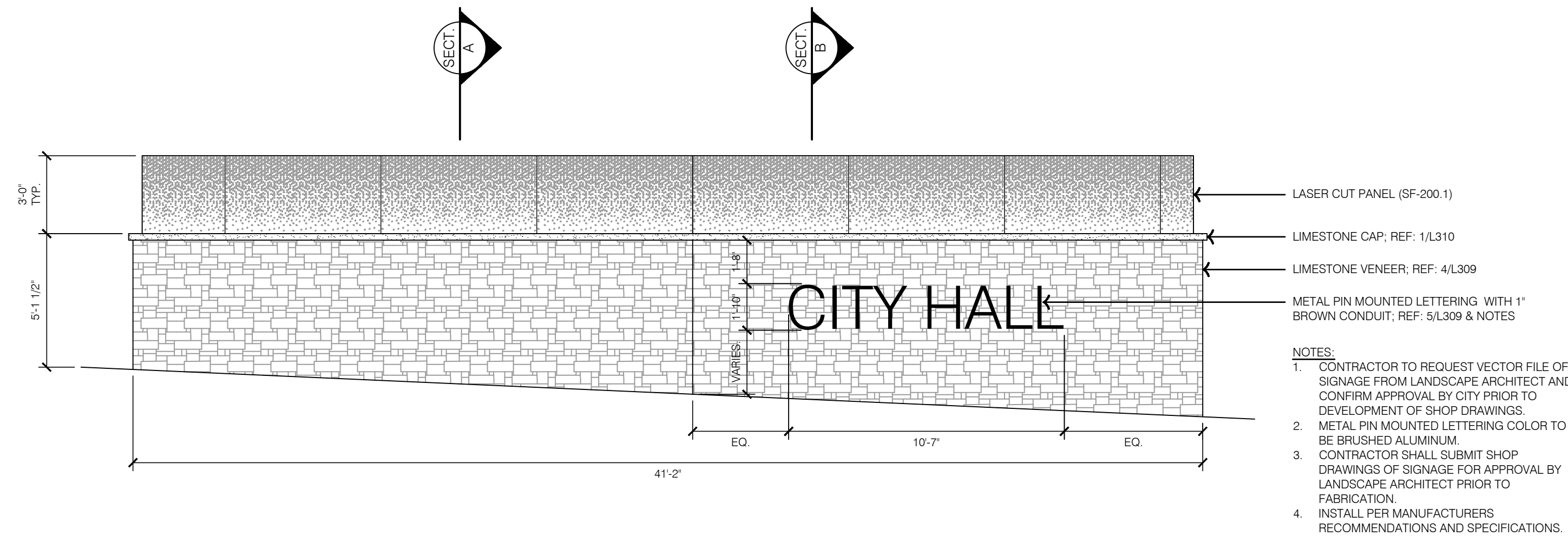
4 TYPICAL WALL SECTIONS



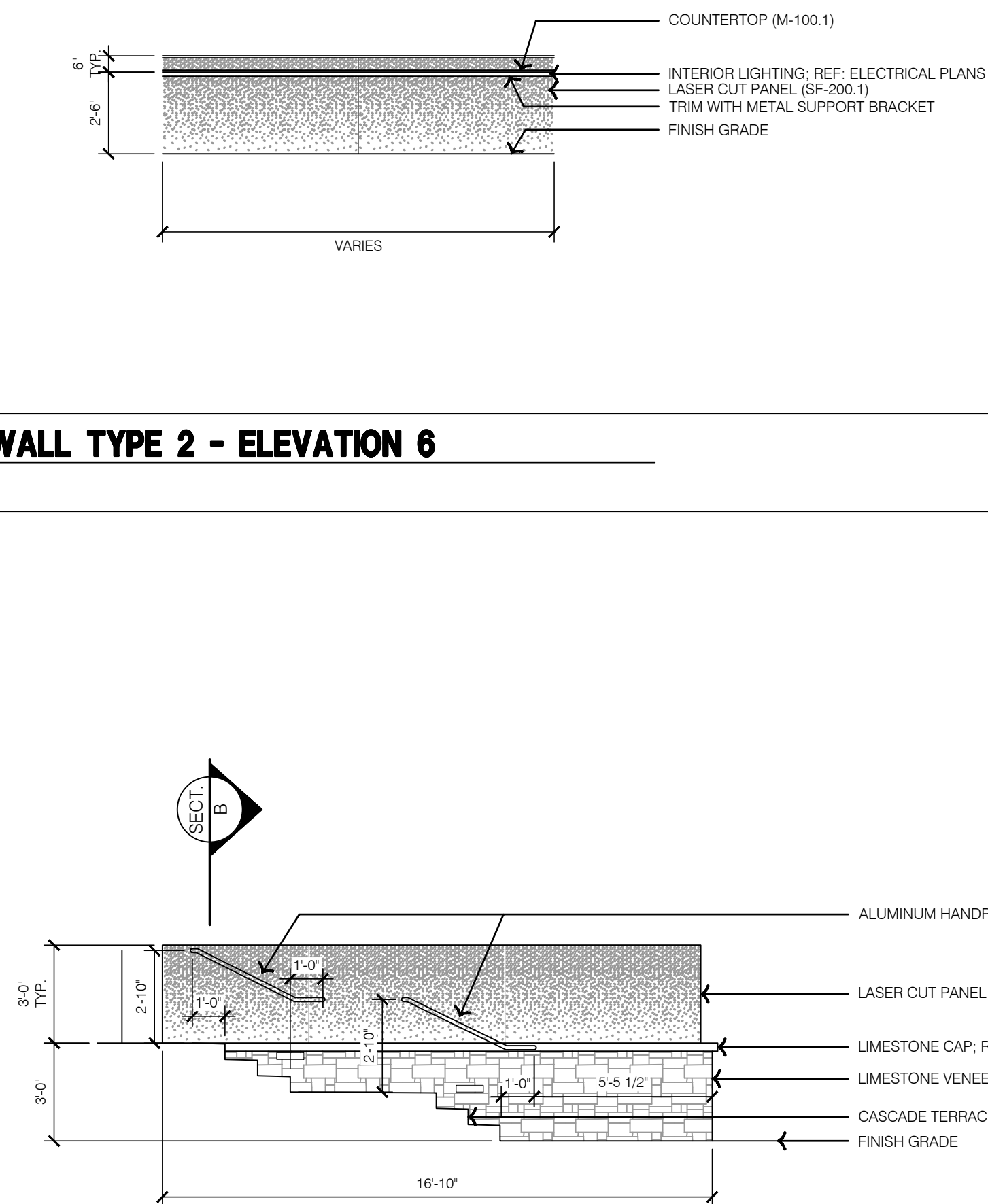
5 TYPICAL METAL PIN MOUNTING LETTERING DETAIL



3 WALL TYPE 2 - ELEVATION 7



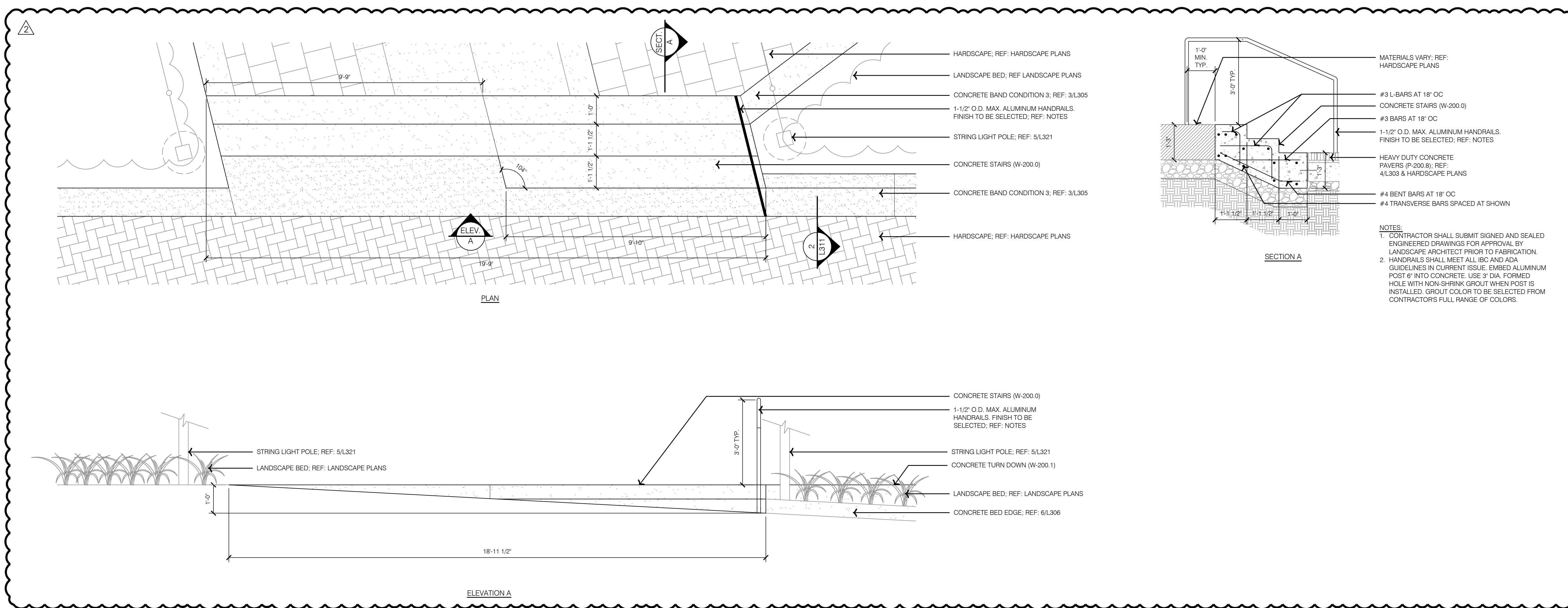
2 WALL TYPE 2 - ELEVATION 6



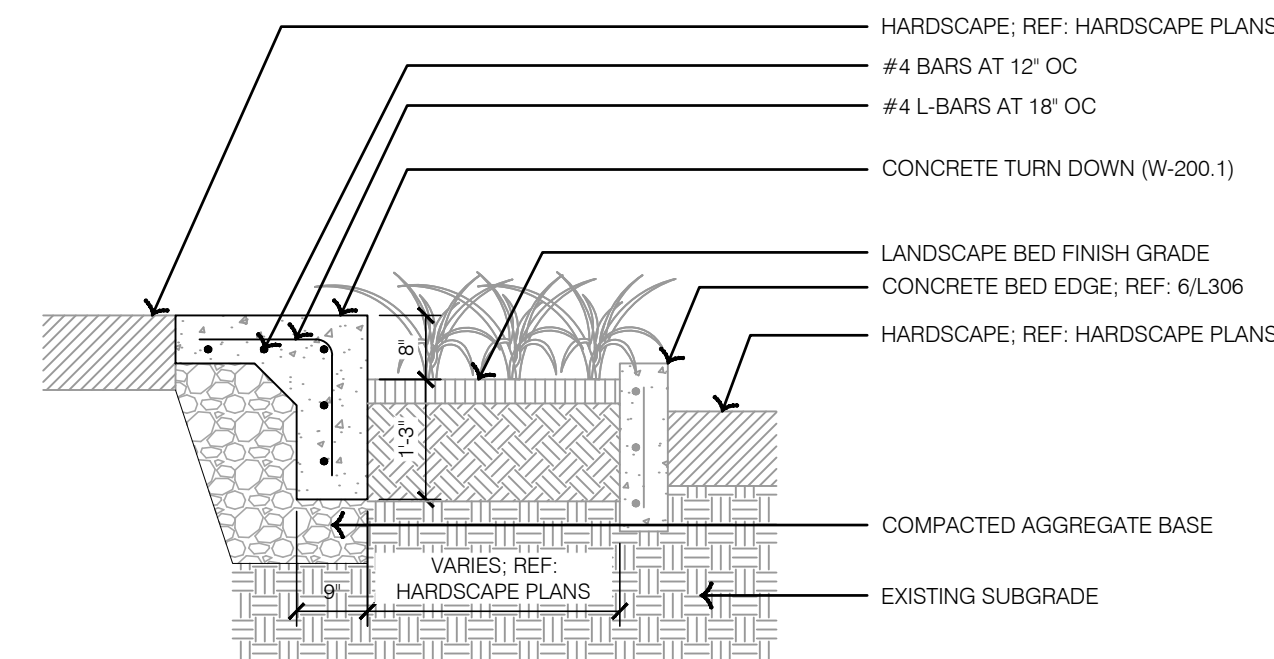
1 WALL TYPE 2 - ELEVATION 5

| | | | | | |
|--|--|--|------|---|----|
| drawn by: _____ checked by: _____ approved by: _____ QA/QC by: _____ project no.: _____ drawing by: HSC DTL 02 02200393 date: 12/22/2023 | TS/TGEW DV KPS BMS 022-00393 | | 2023 | REVISIONS DESCRIPTION APPENDUM #1 APPENDUM #2 | BY |
| | SHEET L309 | | | | |

1 STAIRCASE 1 DETAILS



2 TYPICAL CONCRETE TURN DOWN



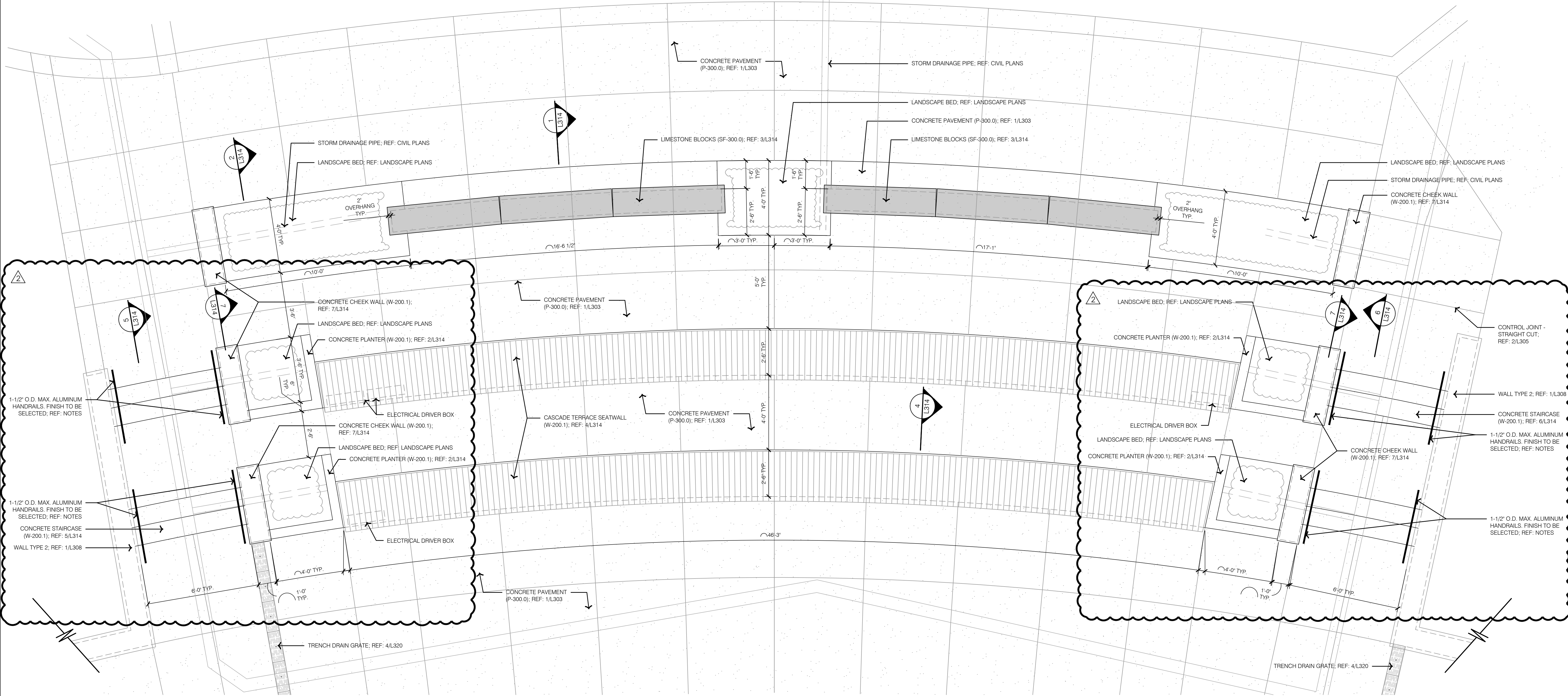
| REV. NO. | DATE | REVISIONS DESCRIPTION | BY |
|----------|------------|-----------------------|----|
| 1 | 12-22-2023 | ADDENDUM #1 | |
| 2 | 01-11-2024 | ADDENDUM #2 | |
| | | | |
| | | | |
| | | | |
| | | | |

| |
|---|
| HARDSCAPE DETAILS - STAIRS |
| LEE'S SUMMIT DOWNTOWN MARKET GREEN STREET - 2ND STREET TO 3RD STREET |

drawn by: _____ TS/TG/_____
checked by: _____
approved by: _____ K_____
QA/QC by: _____
project no.: _____ 022-003_____
drawing no.: _____ DTL02 022003_____
date: _____ 12/22/20____

SHEET
L311

DWG: F:\2023\00001-00500\022-00393\40-design\AutoCAD\final plans\STU\L_HSC_DTL03_02200393.dwg
DATE: Jan 09, 2024 6:31pm
USER: tswehlo
XREFS: L_PTBK_02200393 DET-TYPICAL_HSC_02200393

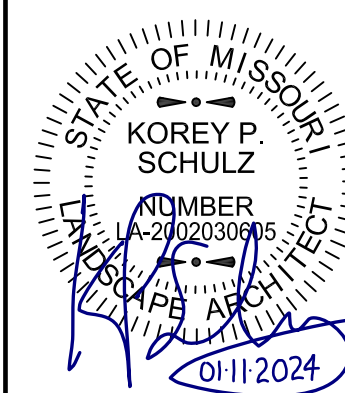


1 CASCADE TERRACE - LAYOUT

| REVISIONS | | | |
|-----------|------------|-----------------------|----|
| REV. NO. | DATE | REVISIONS DESCRIPTION | BY |
| 1 | 12-22-2023 | ADDENDUM #1 | |
| 2 | 01-11-2024 | ADDENDUM #2 | |

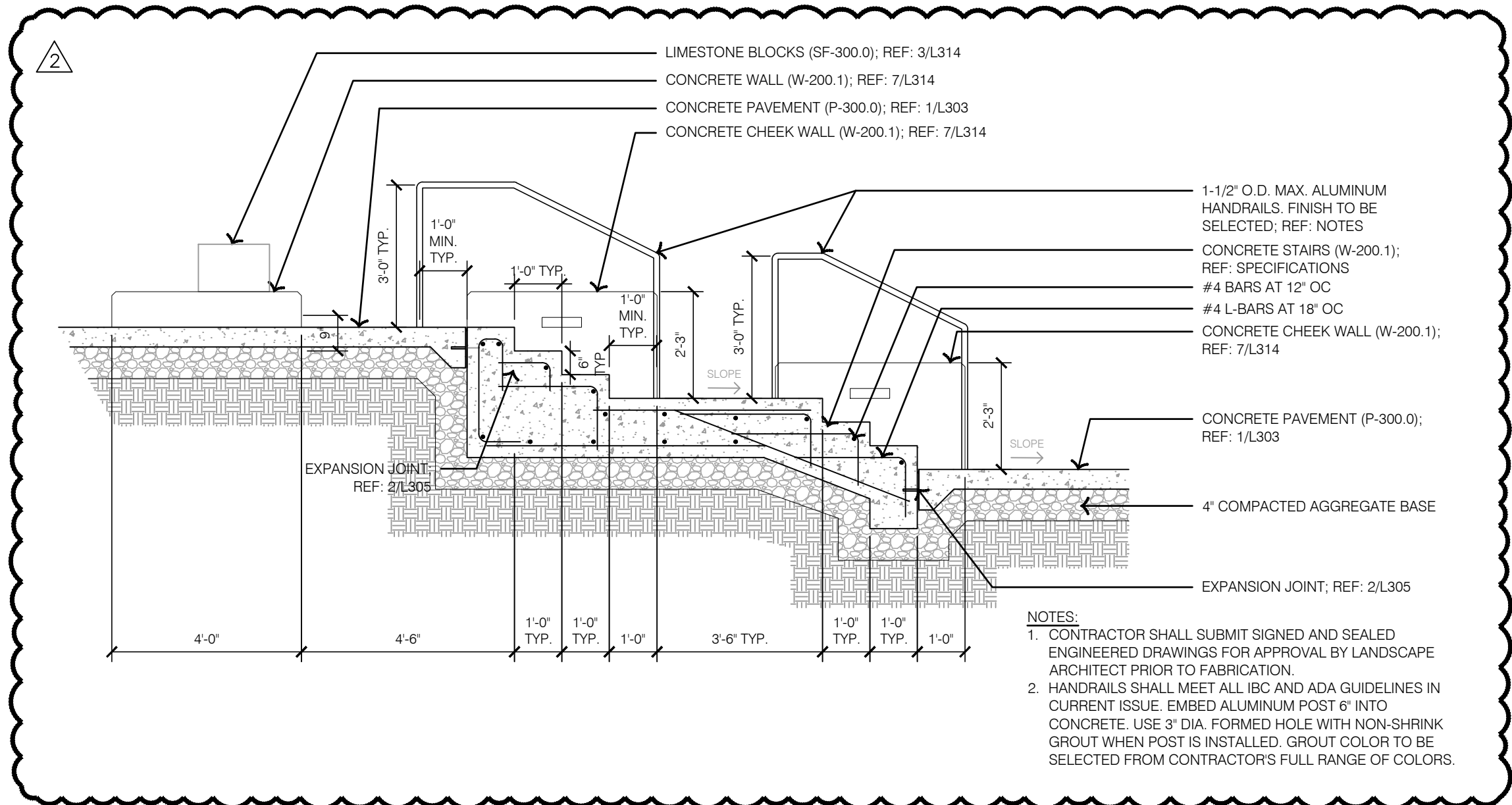
| HARDSCAPE DETAILS - CASCADE TERRACE | |
|---|--|
| LEE'S SUMMIT DOWNTOWN MARKET GREEN STREET - 2ND STREET TO 3RD STREET | |
| LEE'S SUMMIT, MISSOURI | |
| 2023 | |

drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing title: HSC_DTL03_02200393
date: 12/22/2023

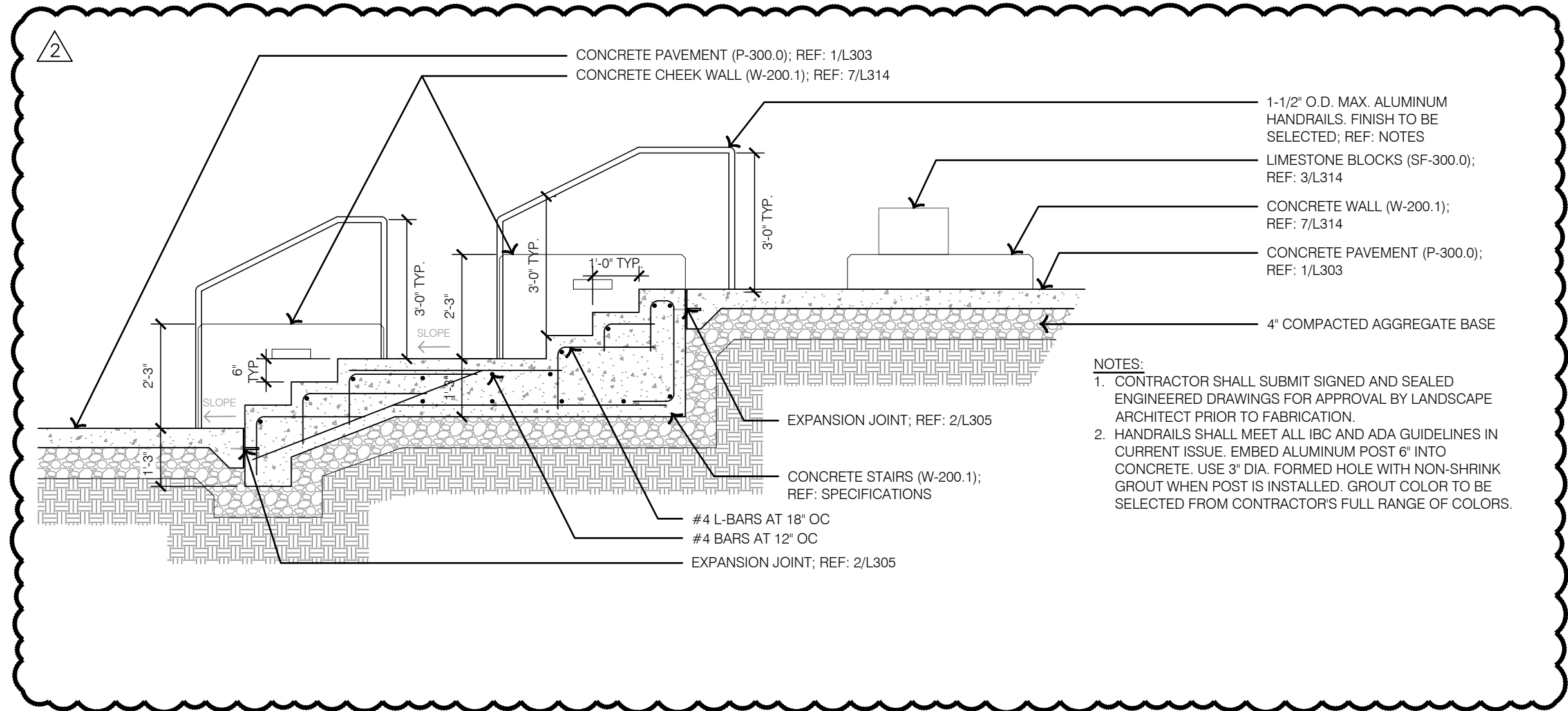


DWG: F:\2023\00001-00500\022-00393\40--design\AutoCAD\final plans\Sheets\OSTU\L_HSC-DTL03_02200393.dwg
DATE: Jan 09, 2024 6:32pm
XREFS: L_PTBK_02200393
USER: tswehlo

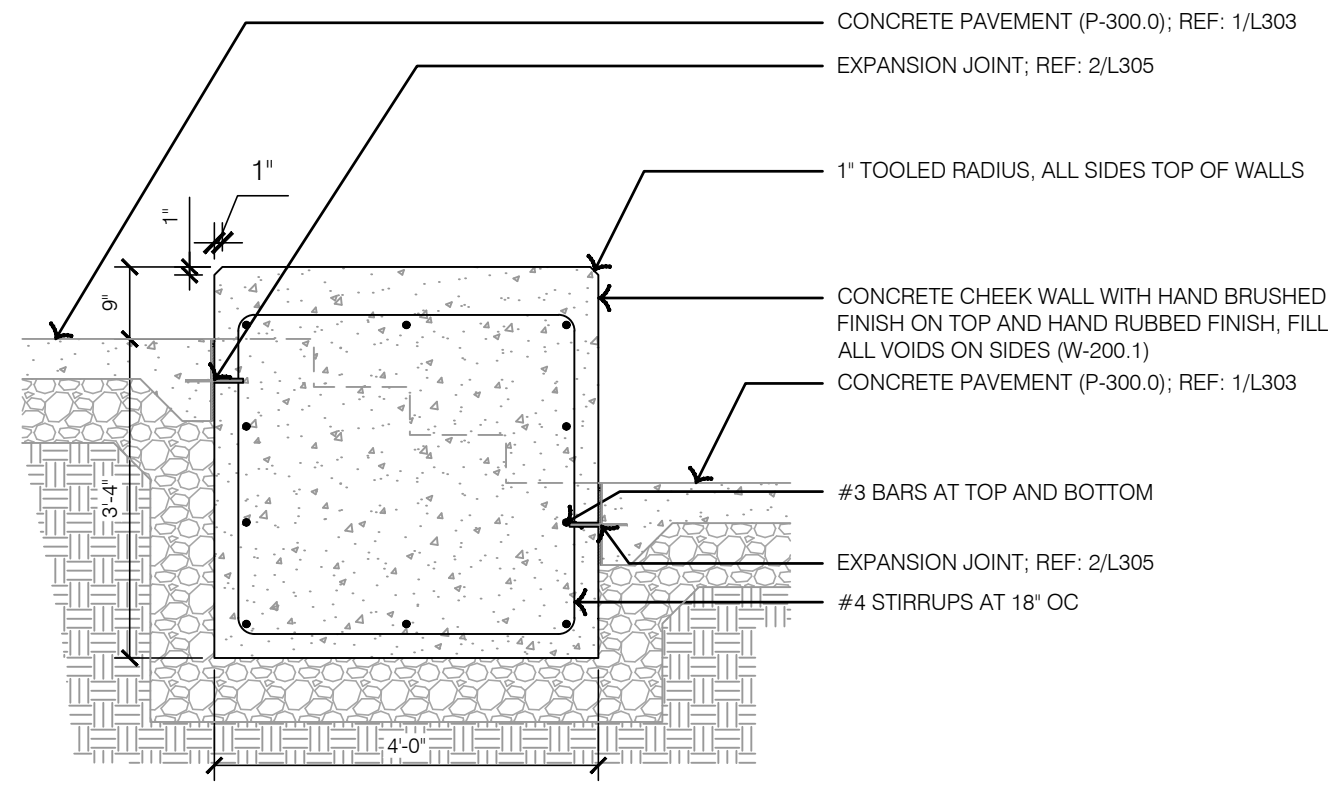
5 CASCADE TERRACE - STAIR SECTION



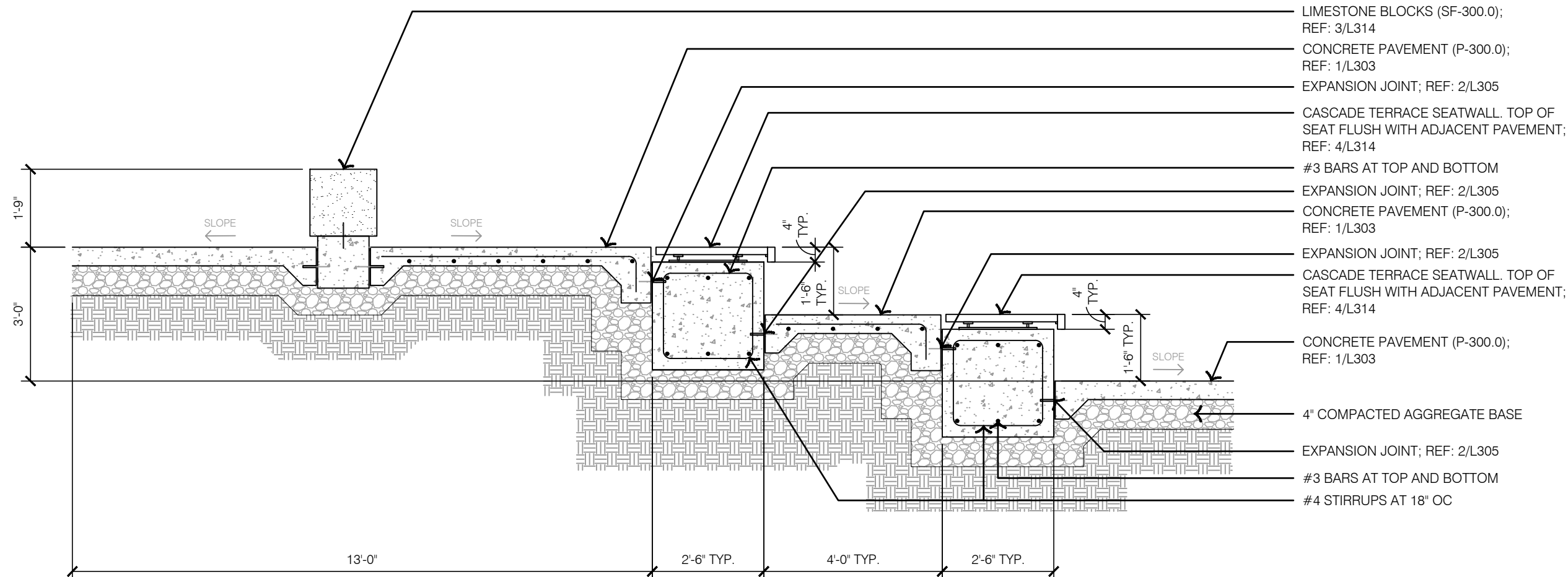
6 CASCADE TERRACE - STAIR SECTION



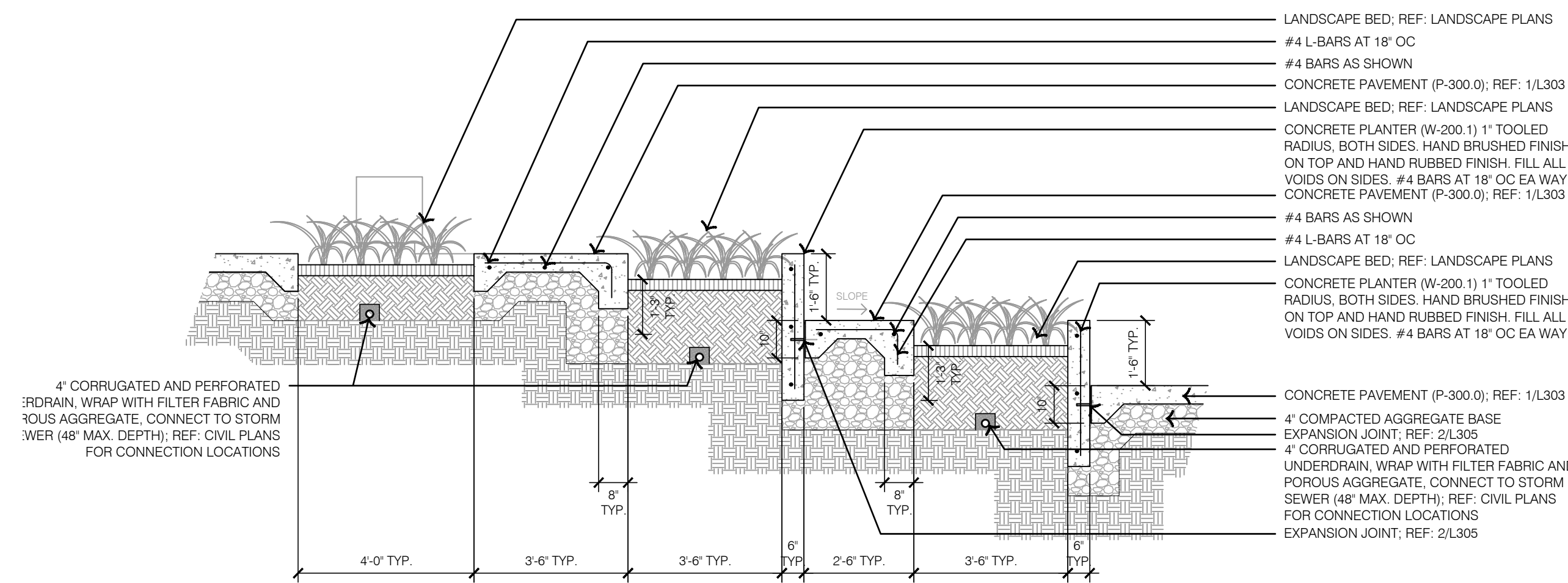
7 CASCADE TERRACE - CHEEK WALL SECTION



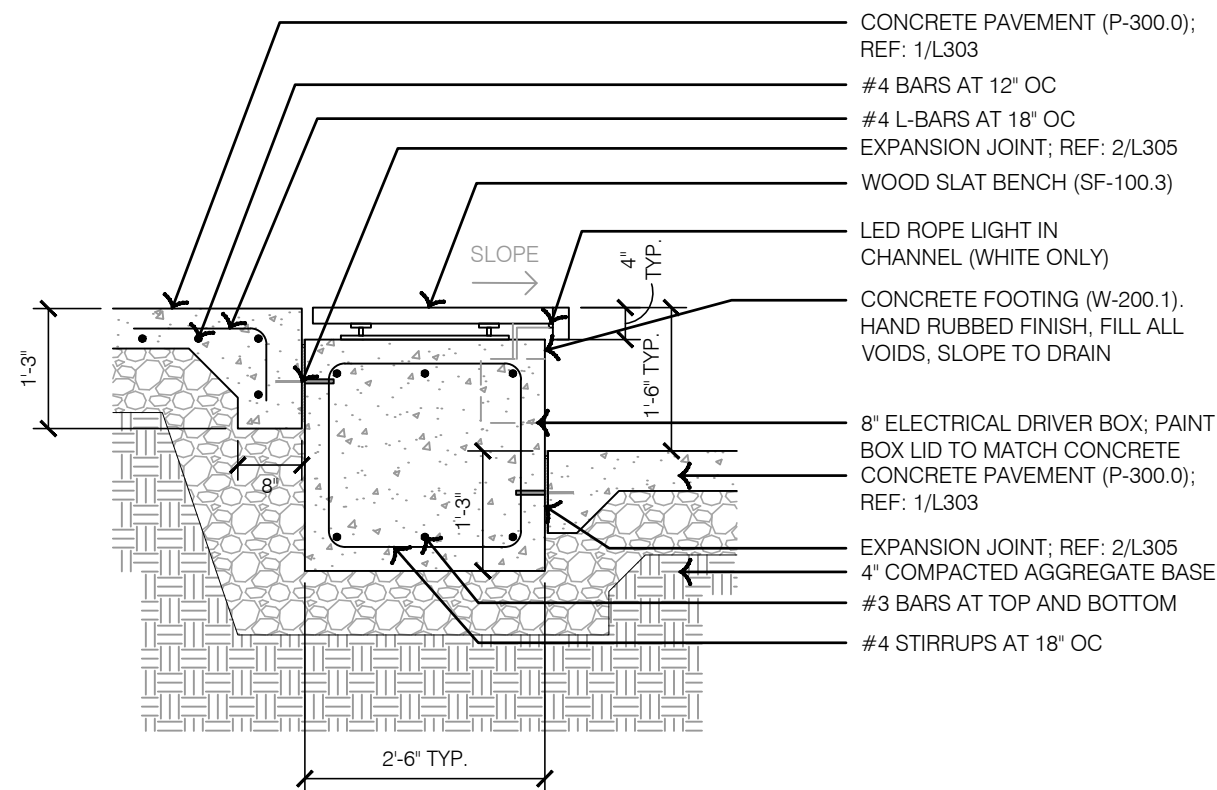
1 CASCADE TERRACE - SECTION



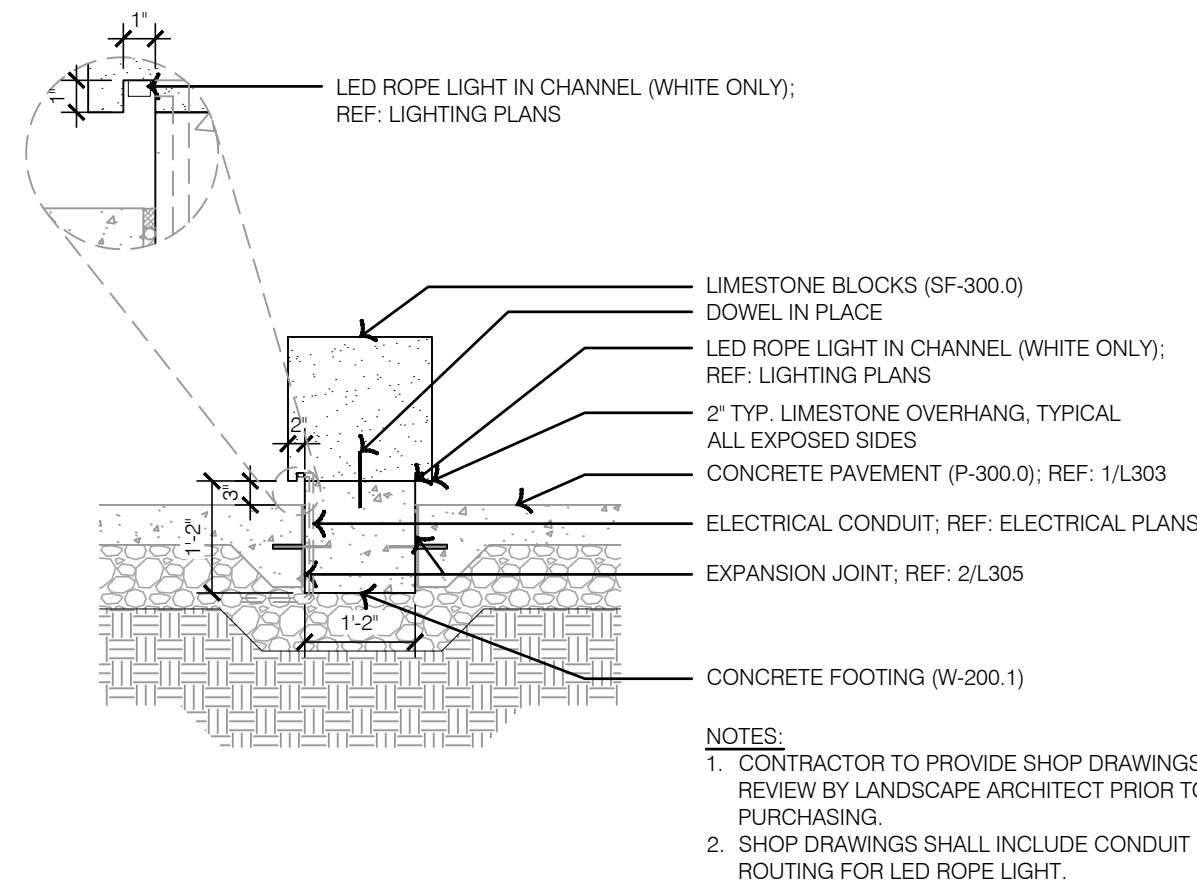
2 CASCADE TERRACE - SECTION



4 CASCADE TERRACE - SEATWALL SECTION



3 CASCADE TERRACE - LIMESTONE BLOCK



HARDSCAPE DETAILS - CASCADE TERRACE

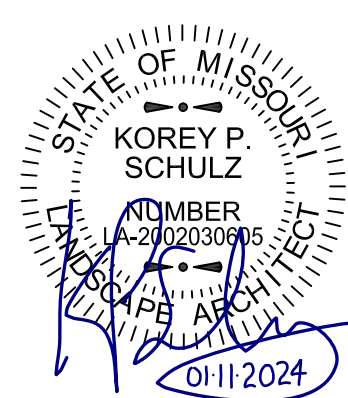
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MISSOURI

2023

| REV. | NO. | DATE | DESCRIPTION | BY |
|------|-----|------------|-------------|----|
| 1 | 1 | 12-22-2023 | ADENDUM #1 | |
| 2 | 2 | 01-11-2024 | ADENDUM #2 | |

REVISIONS



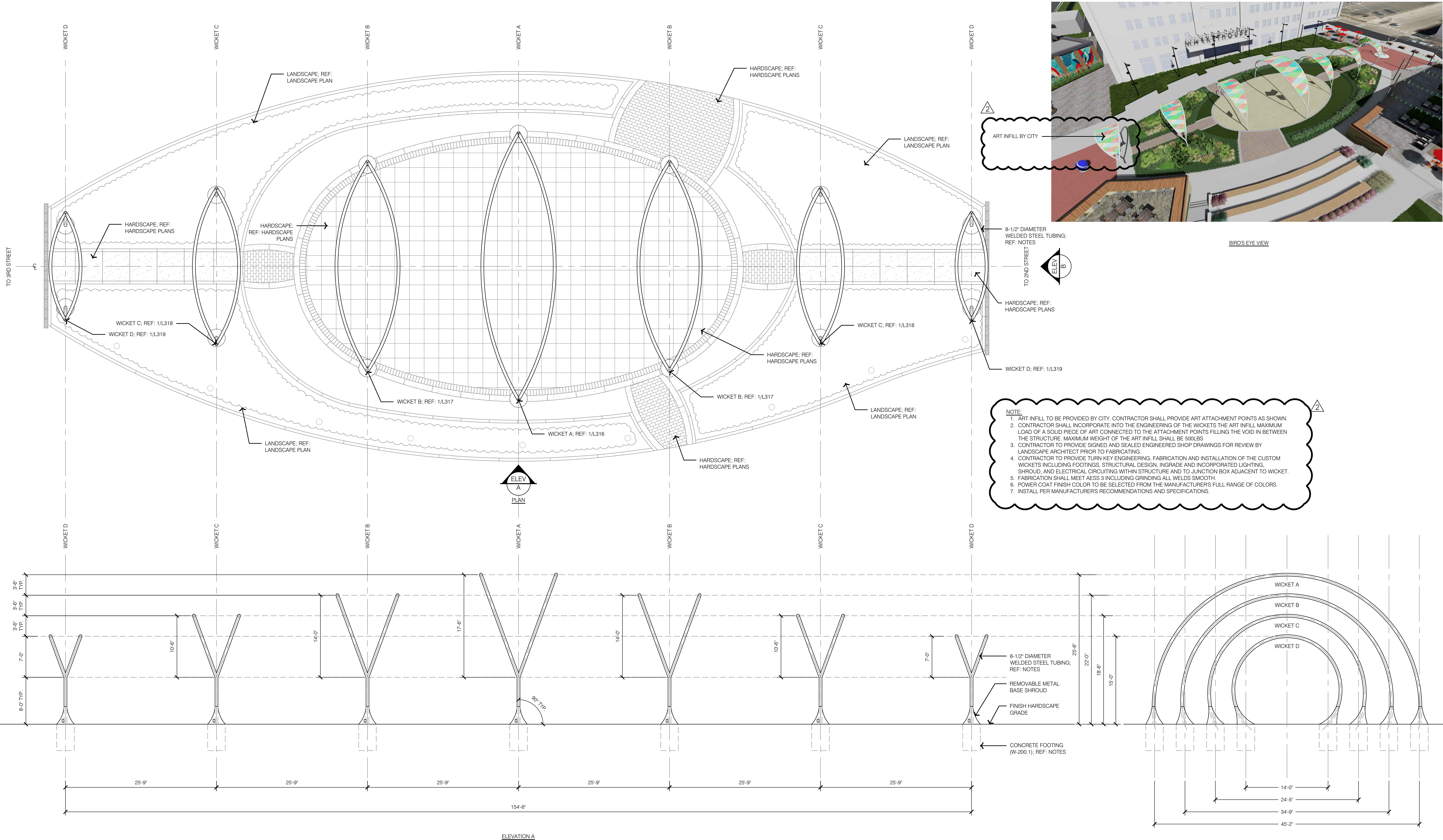
olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com

drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing title: HSC_DTL03_02200393
date: 12/22/2023

SHEET
L314

1 WICKETS - OVERALL LAYOUT



HARDSCAPE DETAILS - WICKETS

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MISSOURI

drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing title: HSC-DTL03_02200393
date: 12/22/2023

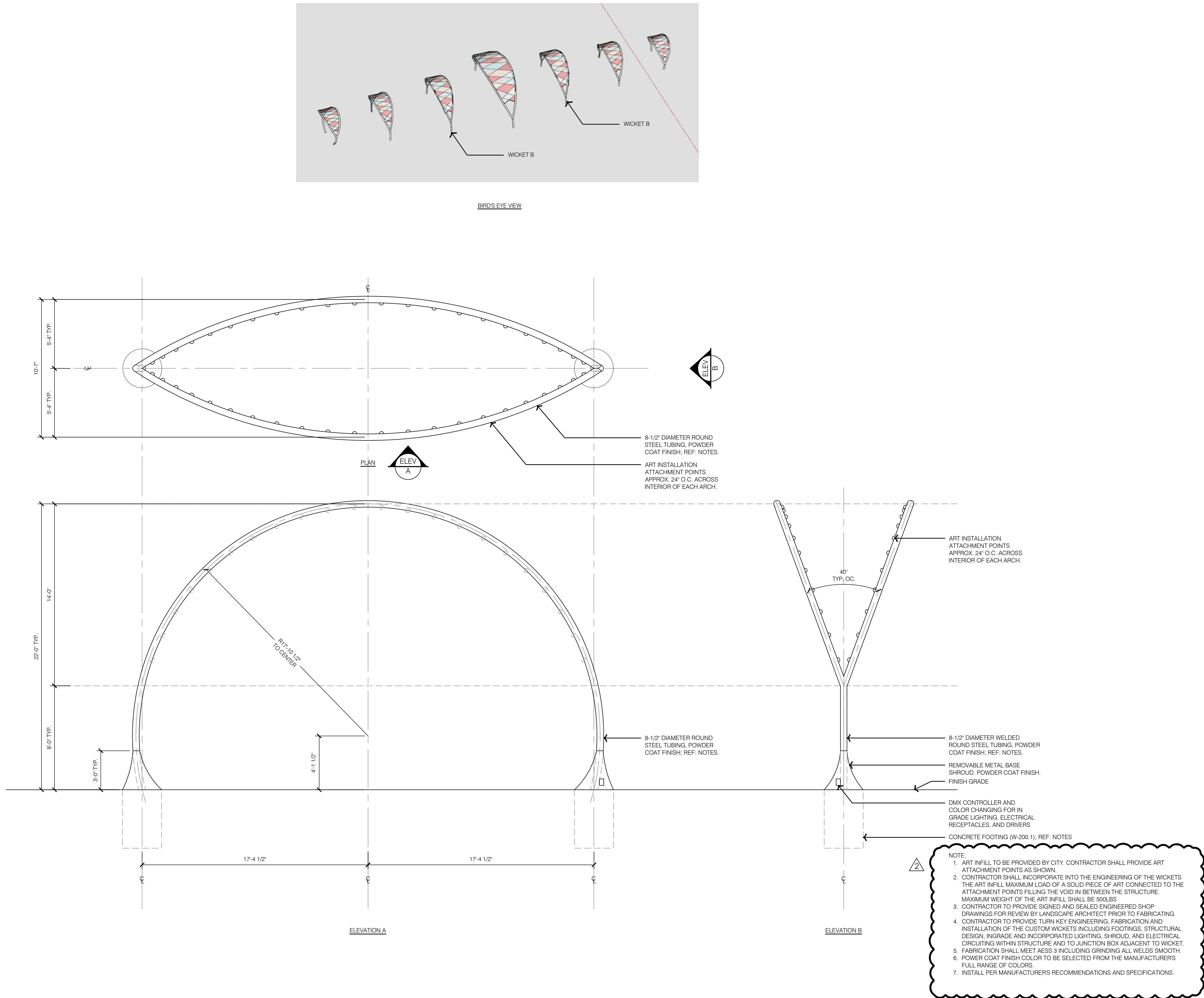
SHEET
L315

| REV. NO. | DATE | REVISIONS DESCRIPTION | BY |
|----------|------------|-----------------------|----|
| 1 | 12-22-2023 | ADDENDUM #1 | |
| 2 | 01-11-2024 | ADDENDUM #2 | |

REVISIONS

2023

1 WICKET B



olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
LANDSCAPE ARCHITECT
NUMBER A-202030940
EXPIRATION DATE 01-11-2024

BY
REV. NO. DATE REVISIONS DESCRIPTION
1 12-22-2023 ADDENDUM #1
2 01-11-2024 ADDENDUM #2

REVISIONS

HARDSCAPE DETAILS - WICKETS

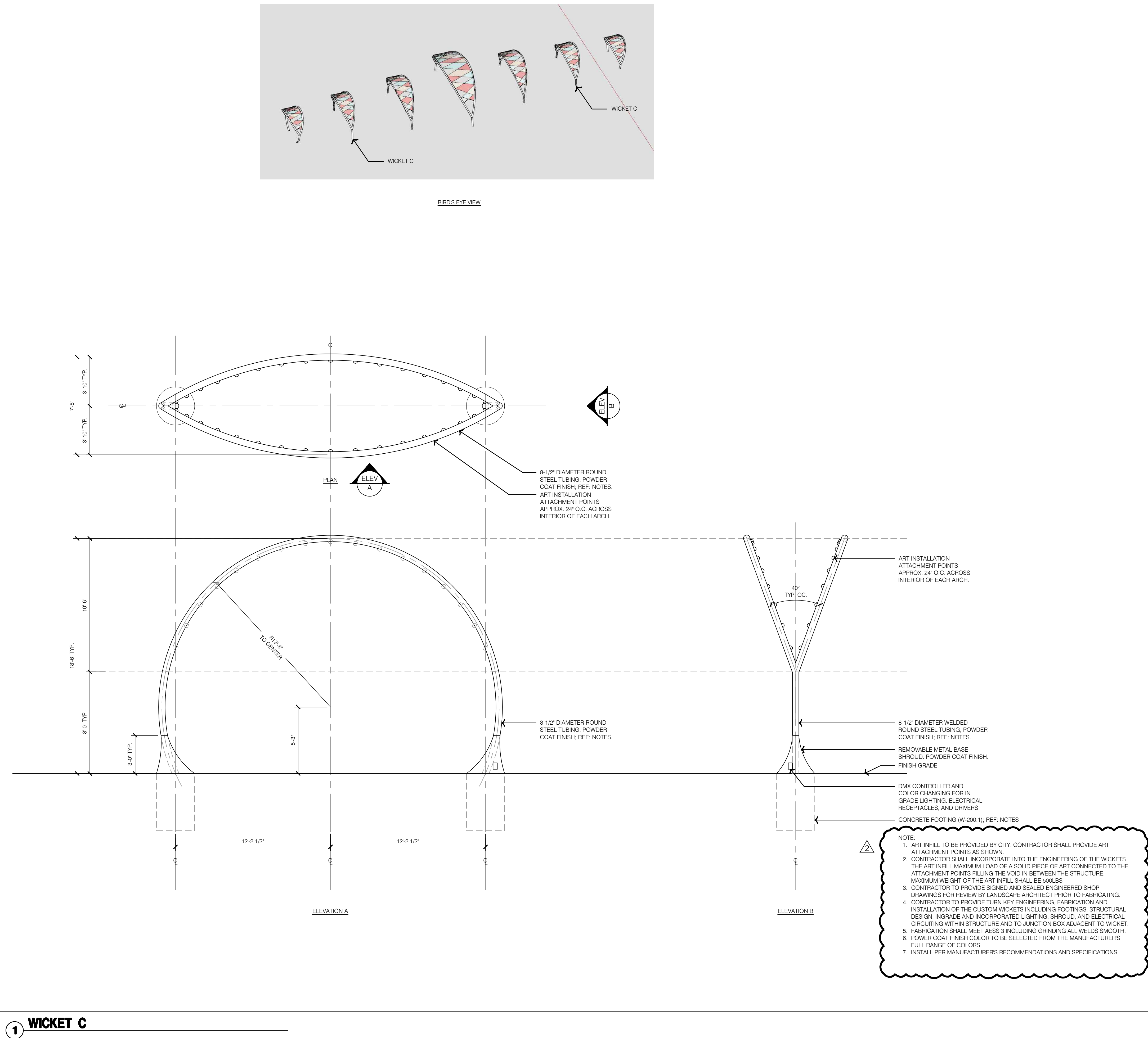
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

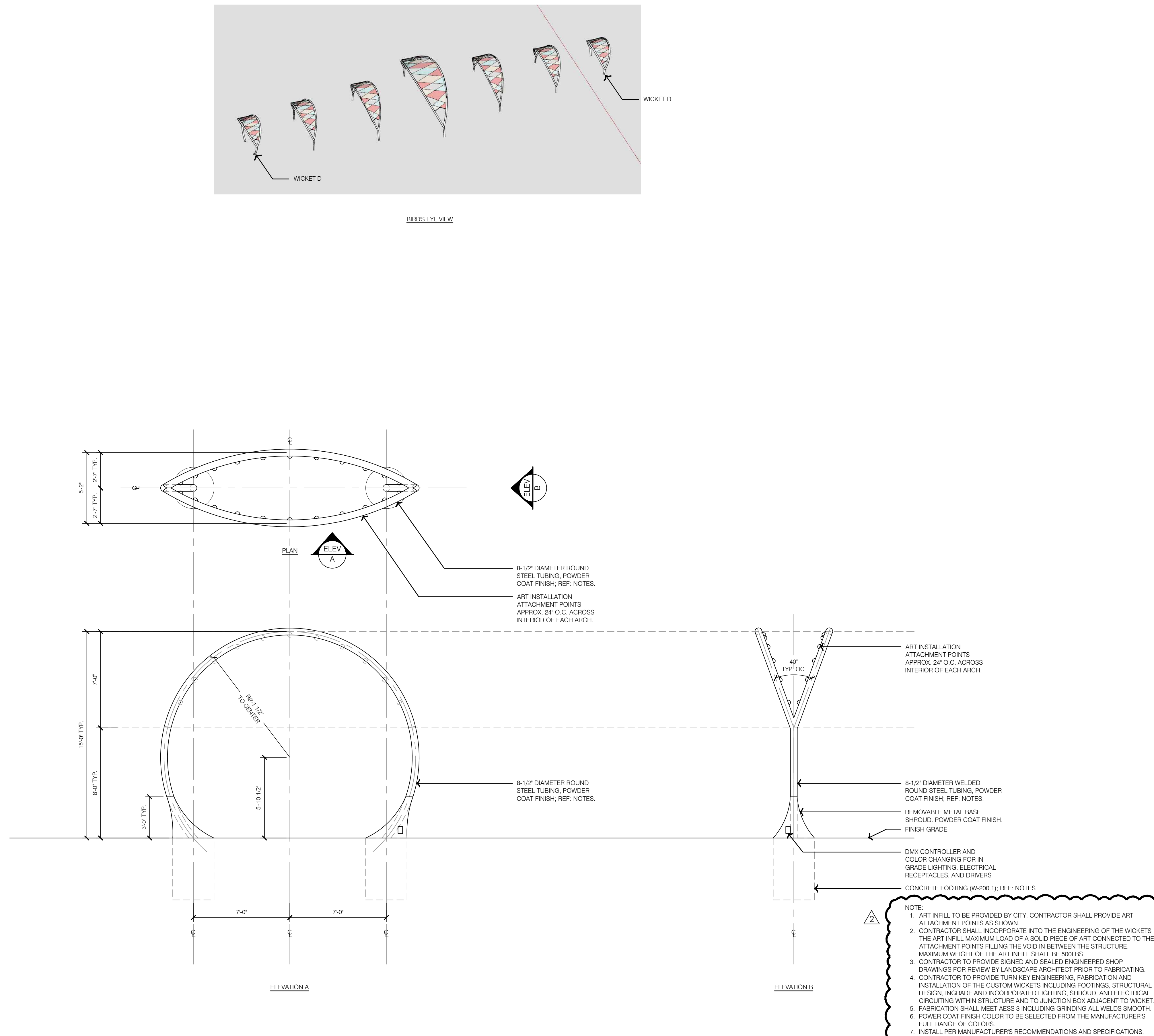
LEE'S SUMMIT, MISSOURI

2023

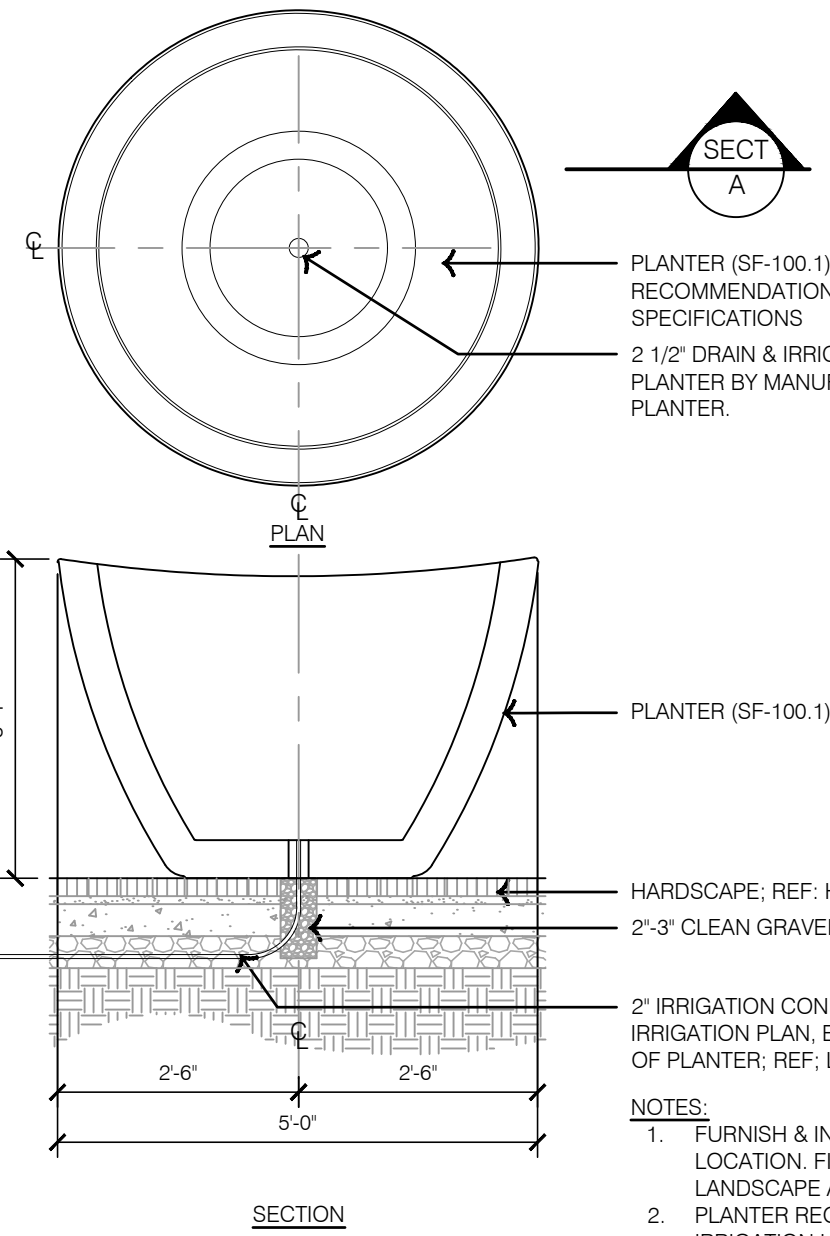
SHEET
L317

drawn by: TS/TG/EV
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing title: HSC_DTL04_02200393
date: 12/22/2023

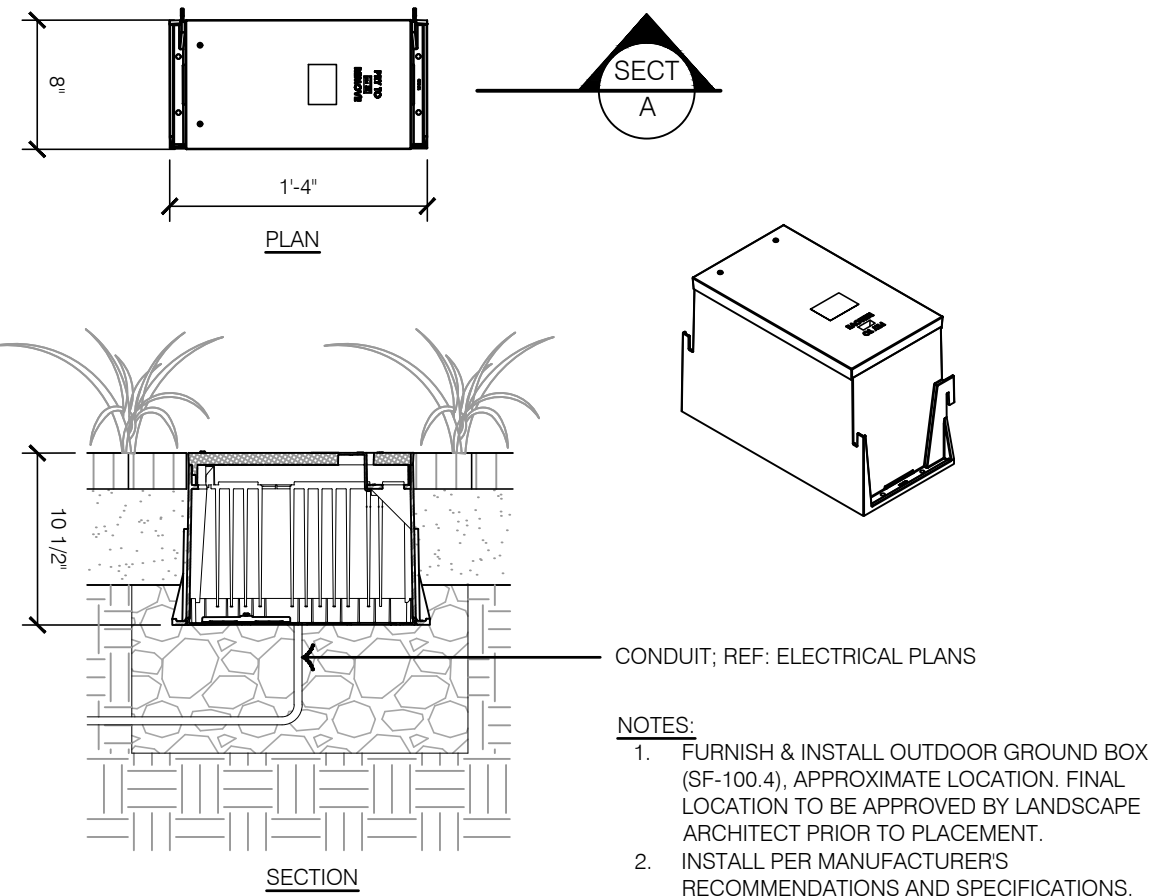




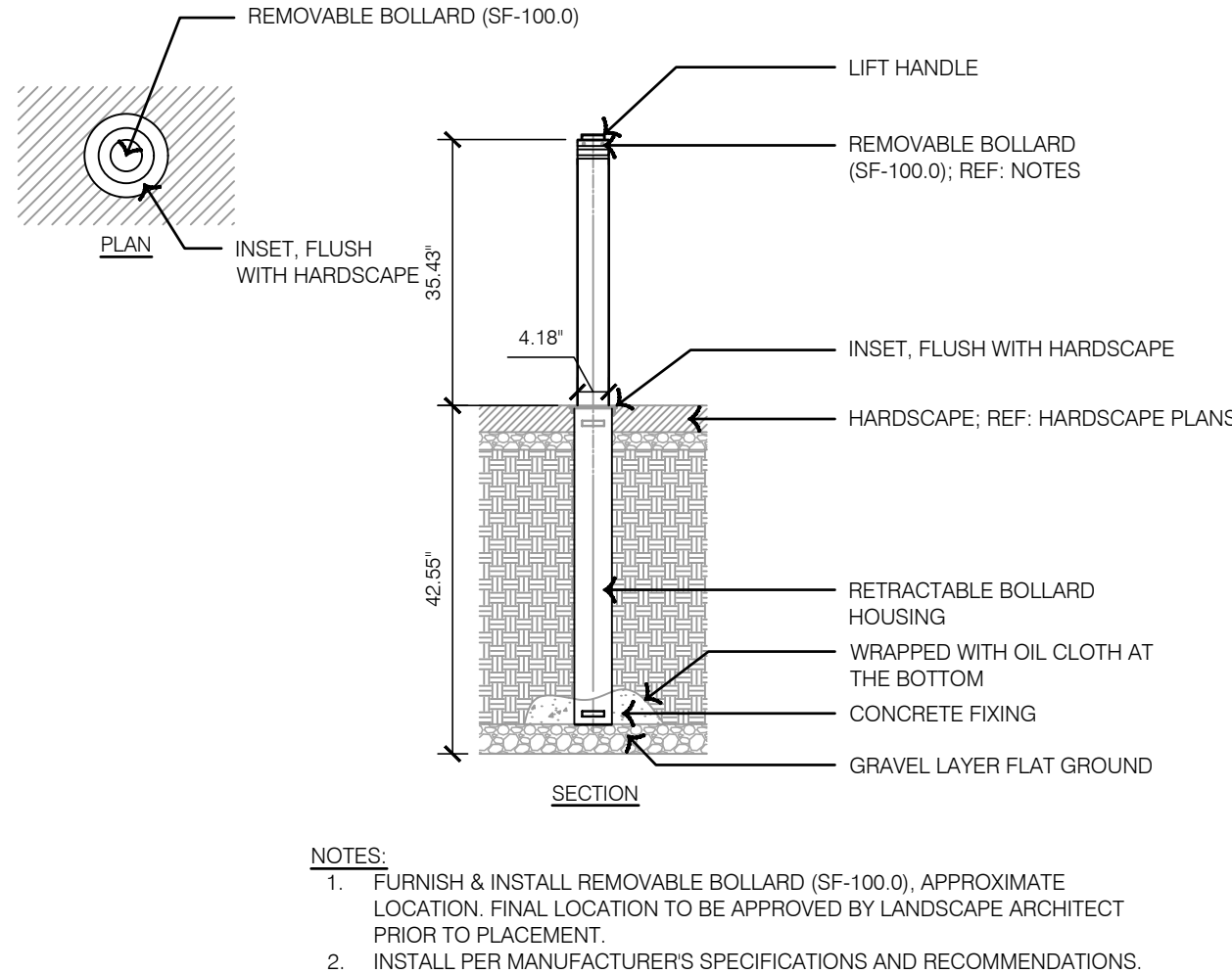




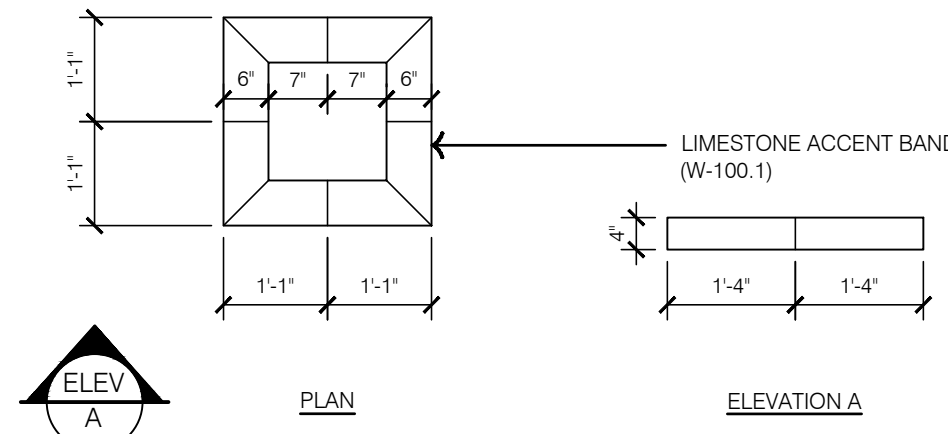
7 TYPICAL PLANTER



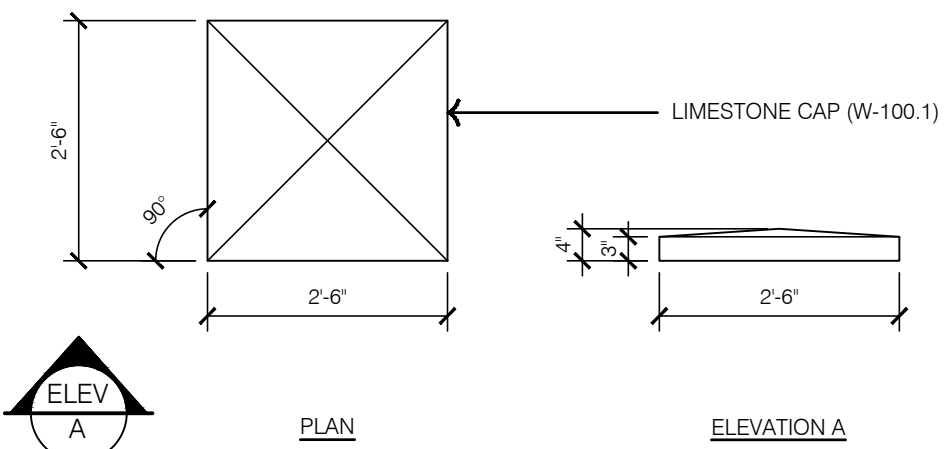
6 OUTDOOR GROUND BOX



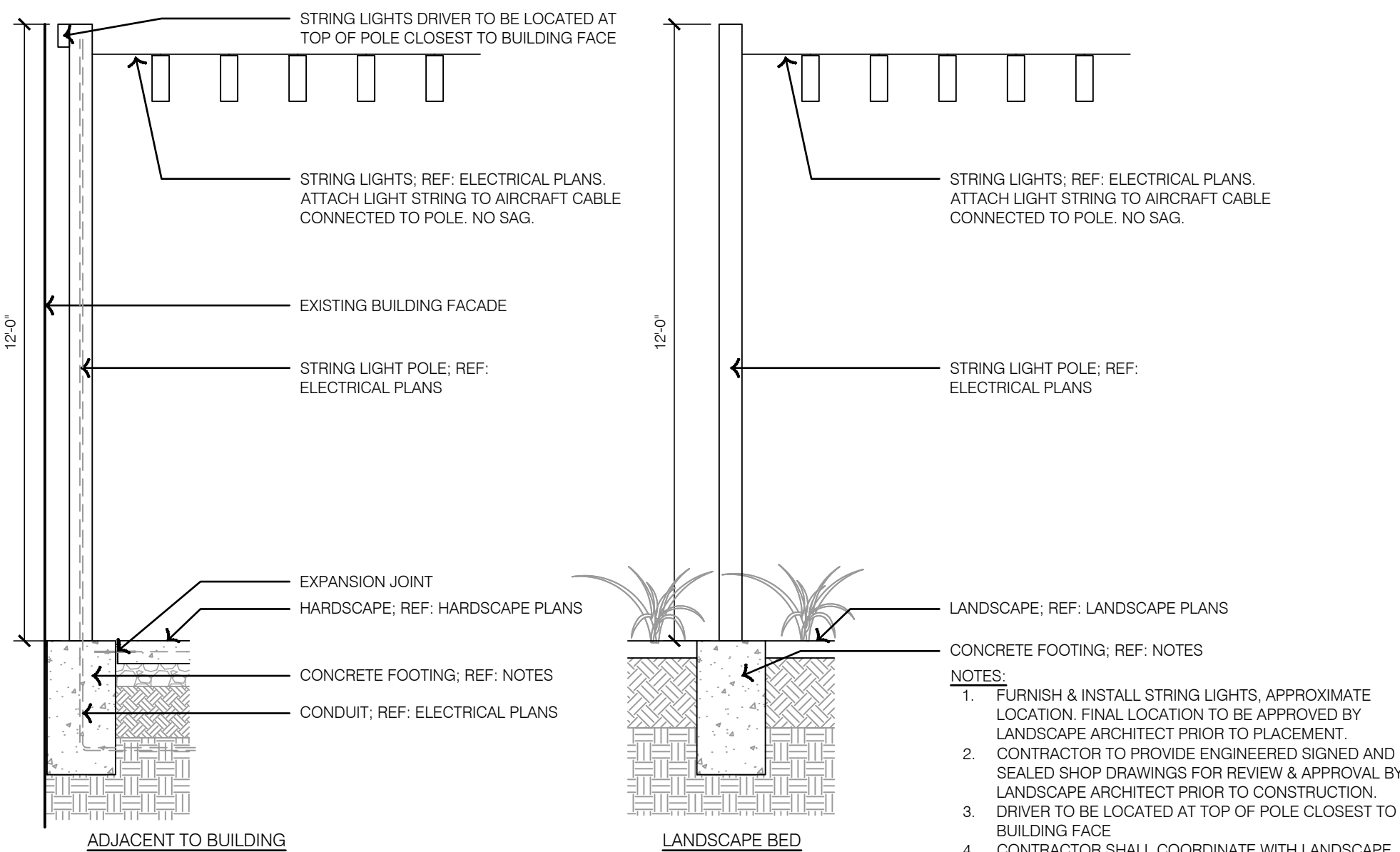
4 TYPICAL REMOVABLE BOLLARD



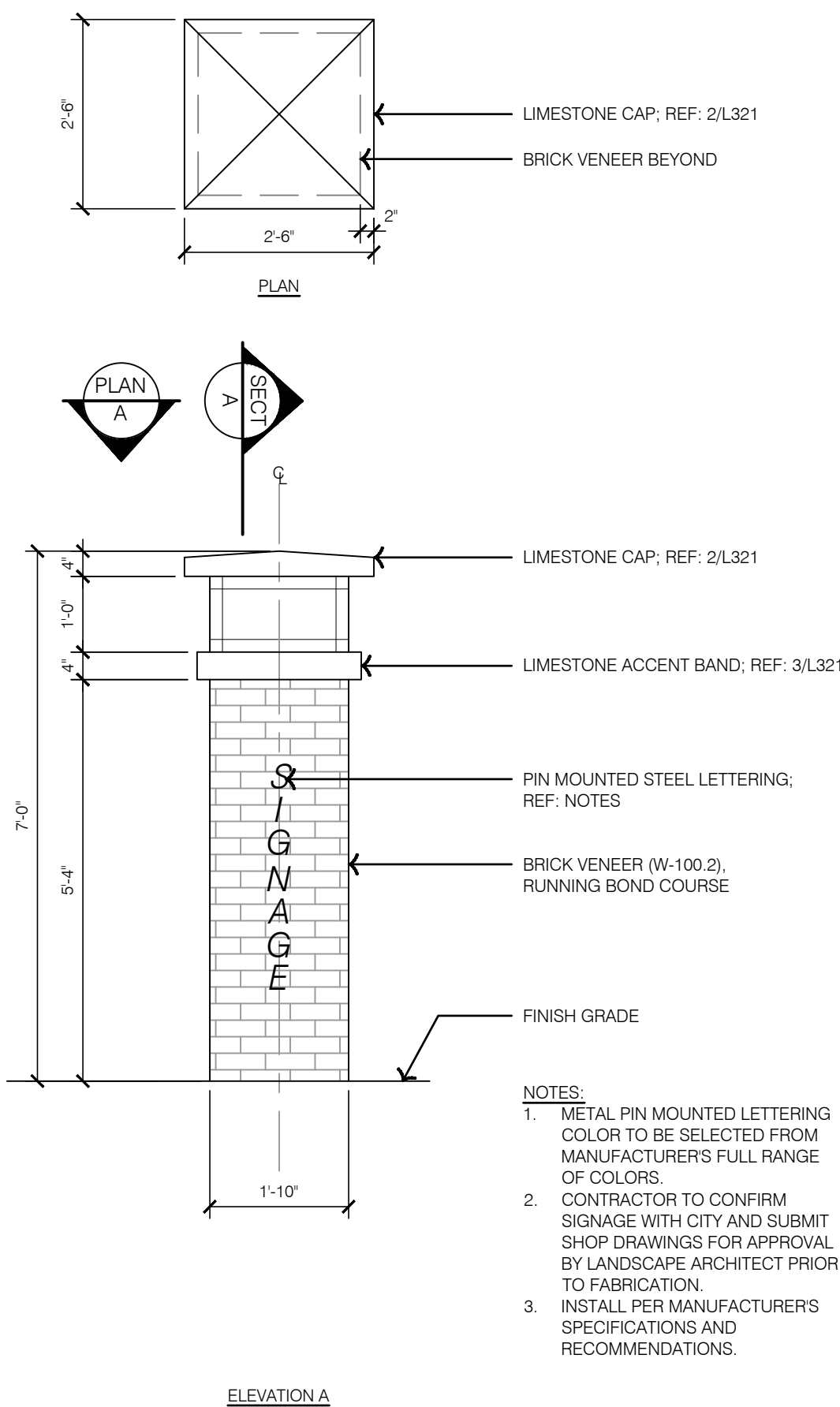
3 GATEWAY COLUMN ACCENT BAND



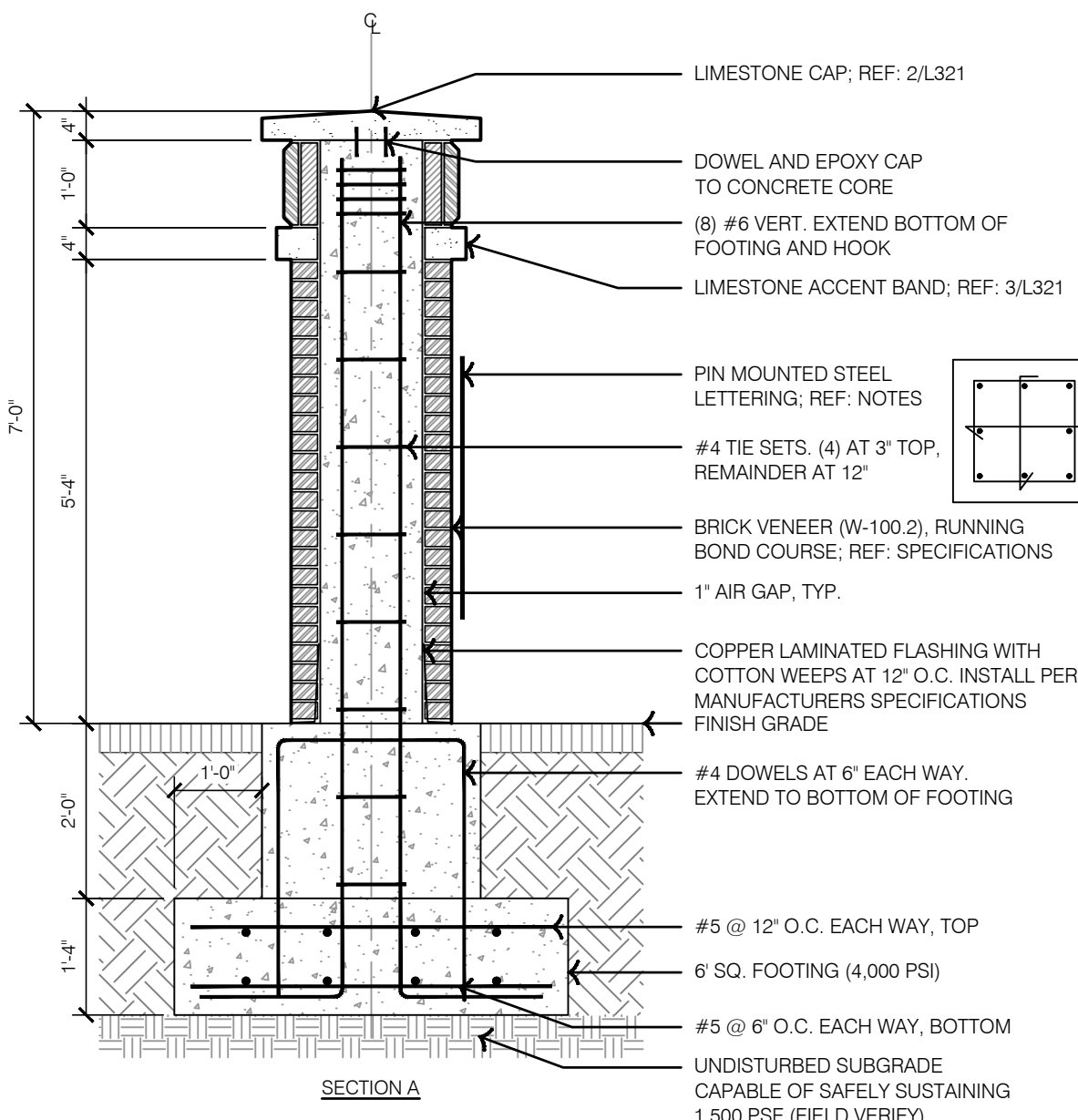
2 GATEWAY COLUMN CAP PLAN A



5 TYPICAL STRING LIGHT POLE



1 GATEWAY COLUMN DETAILS



olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844
olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
NUMBER 000000006
EXPIRATION DATE 12-22-2023

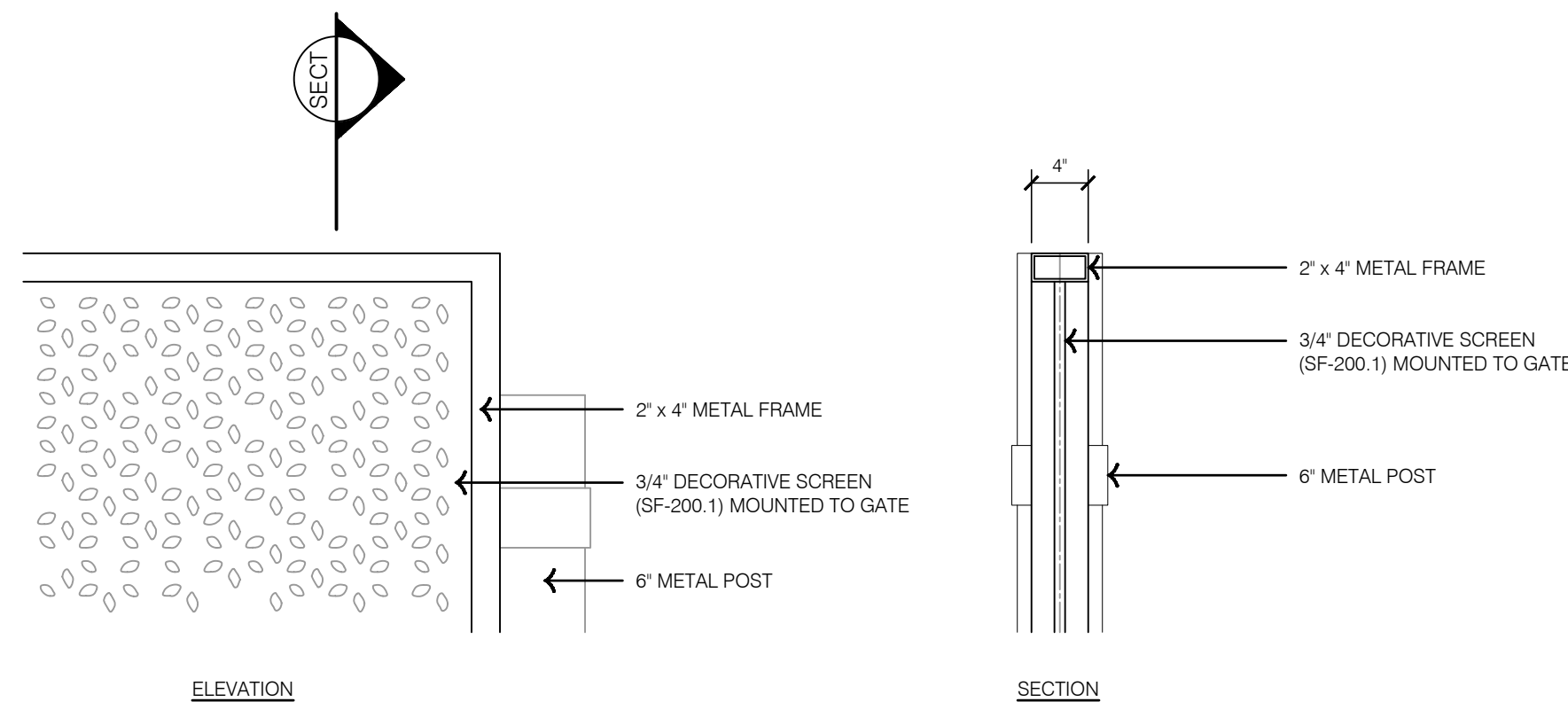
BY
REV. NO. 1
DATE 12-22-2023
REVISIONS DESCRIPTION
ADDITION #1
REVISIONS
2023

HARDSCAPE DETAILS - AMENITIES
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET
LEE'S SUMMIT, MISSOURI

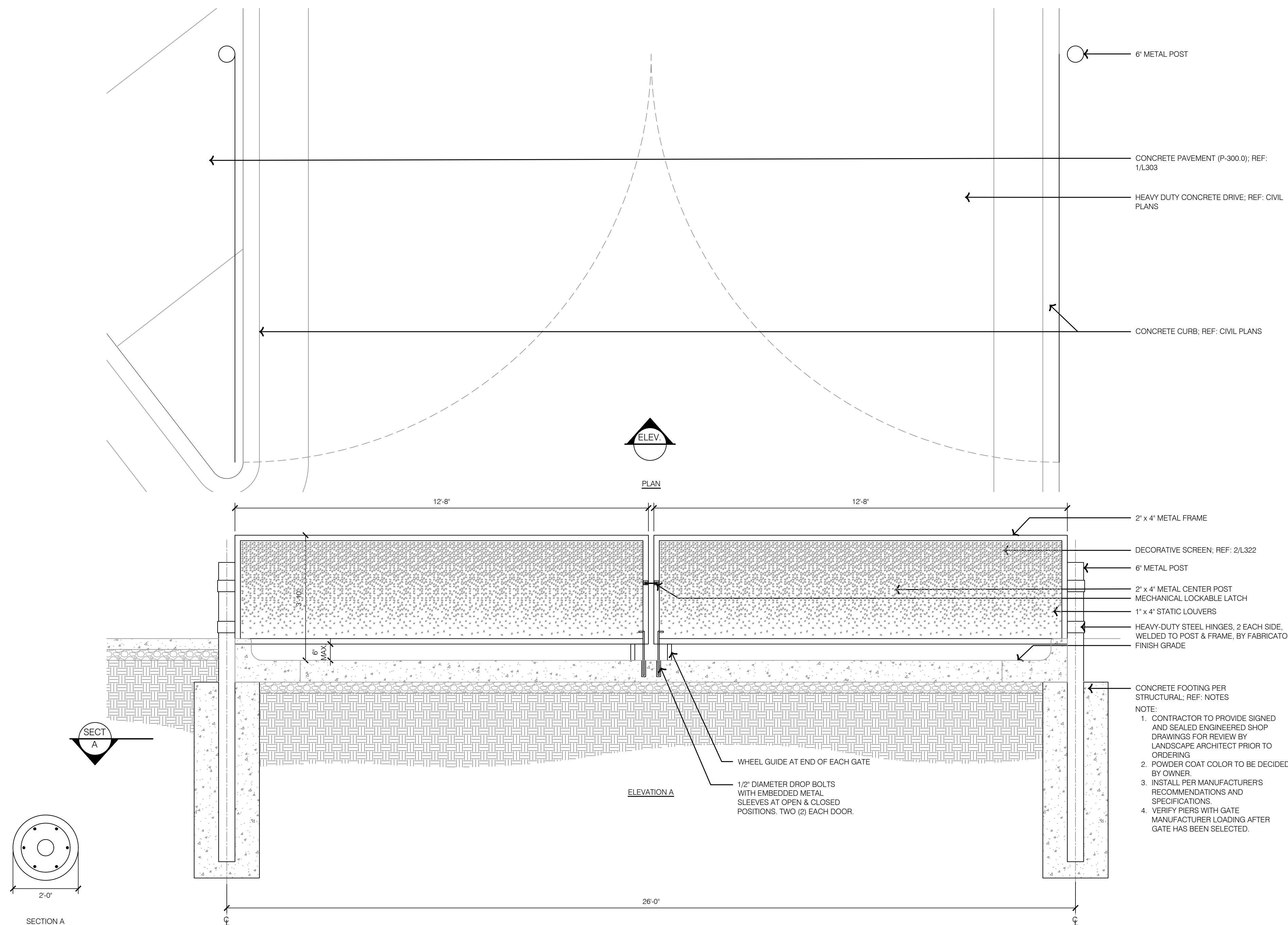
drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing title: HSC-DTL04_02200393
date: 12/22/2023

SHEET
L321

2 TYPICAL DECORATIVE SCREEN

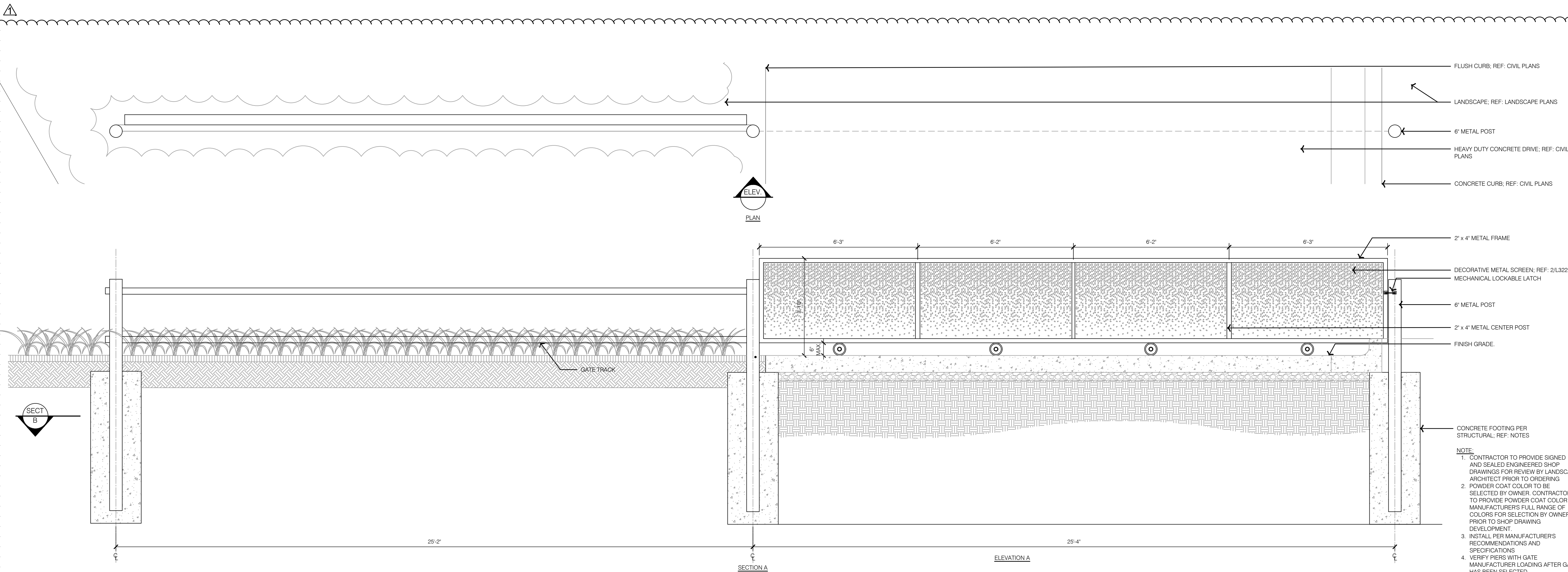


1 GATE TYPE 1



| | | | | | | | | |
|--|--|--|--|------|----------|------------|-----------------------|-----------|
| <p>drawn by: _____ TS/TGEW</p> <p>checked by: _____ DV</p> <p>approved by: _____ KPS</p> <p>QA/QC by: _____ BM</p> <p>project no.: 022-00393</p> <p>disposing to: HSC_DTL04_02200393</p> <p>date: 12-22-2023</p> | HARDSCAPE DETAILS - GATES | | | | REV. NO. | DATE | REVISIONS DESCRIPTION | BY |
| | <p>LEE'S SUMMIT DOWNTOWN MARKET</p> <p>GREEN STREET - 2ND STREET TO 3RD STREET</p> | | | | 1 | 12-22-2023 | ADDENDUM #1 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| LEE'S SUMMIT, MISSOURI | | | | 2023 | | | | REVISIONS |

1 GATE TYPE 2



NOTE:

1. CONTRACTOR TO PROVIDE SIGNED AND SEALED ENGINEER SHOP DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO ORDERING
2. POWDER COAT COLOR TO BE SELECTED BY OWNER. CONTRACTOR TO PROVIDE POWDER COAT COLOR MANUFACTURER'S FULL RANGE OF COLORS FOR SELECTION BY OWNER PRIOR TO SHOP DRAWING DEVELOPMENT.
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS
4. VERIFY PIERS WITH GATE MANUFACTURER LOADING AFTER GATE HAS BEEN SELECTED.

drawn by: _____ TS/TG/EW
checked by: _____ DV
approved by: _____ KPS
QA/QC by: _____ BM
project no.: _____ 022-00393
drawing no.: _____ HSC_DTL04_02200393
date: _____ 12/22/2023

SHEET
L323

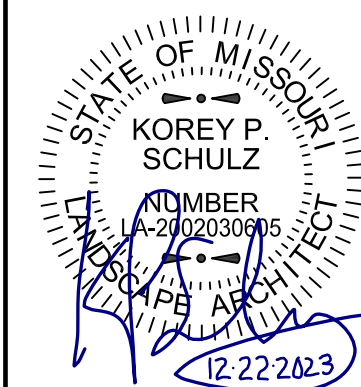
[illegible]

HARDSCAPE DETAILS - GATES

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MISSOURI

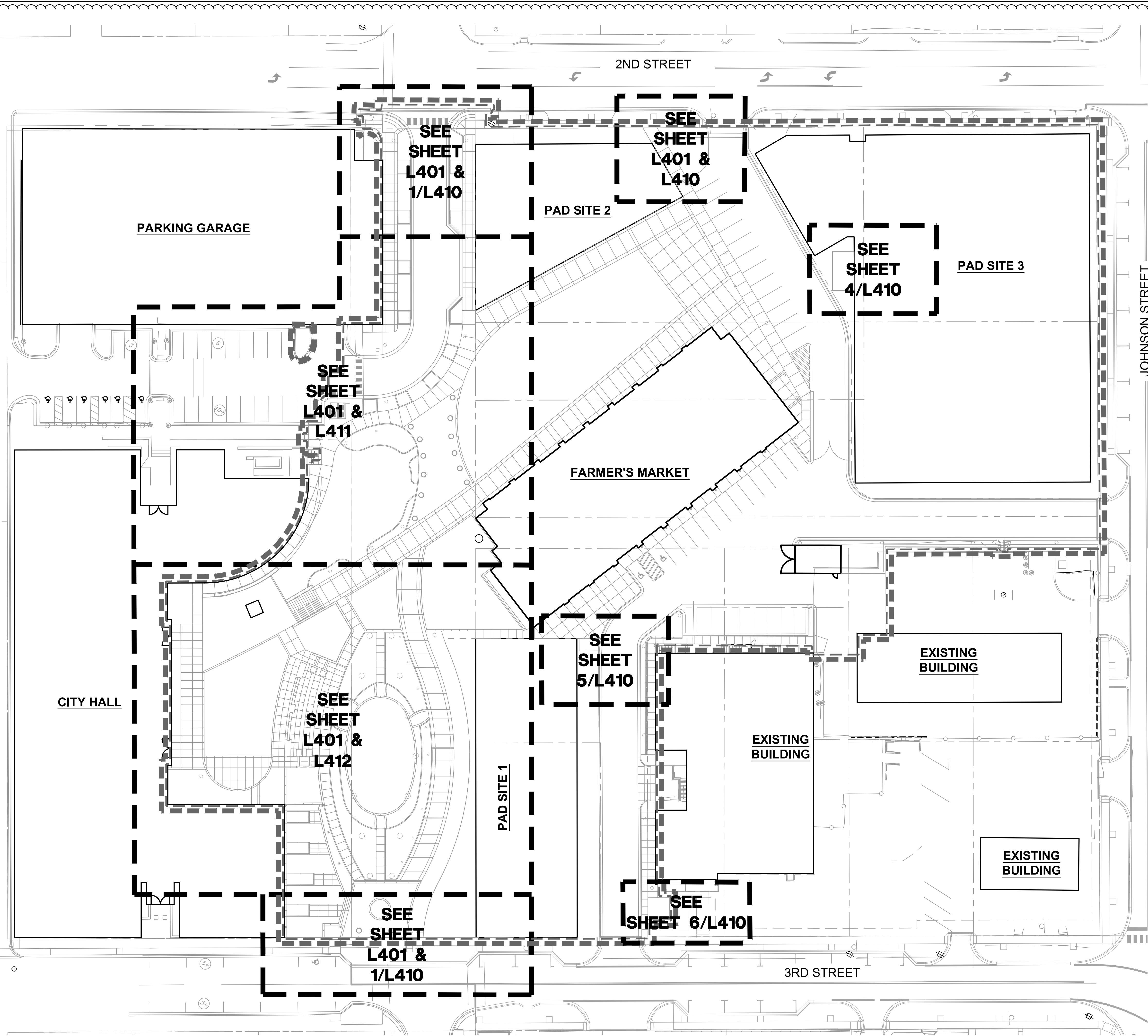
2023



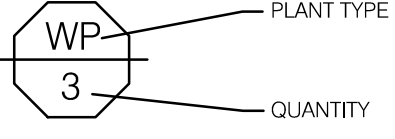
olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY #2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.888

DWG: F:\2022\00001-00500\022-00393\40-Design\AutoCAD\Final Plans\Sheets\EST\1\0VR01_02200393.dwg
DATE: Dec 21, 2023 11:16am
XREFS: L_PTBK_02200393 C_XBASE_02200393 V_XBNDY_02200393
USER: tpedzinger
L_ARCH_02200393
L_ARCH_BLDG_RETAL_02200393
L_ARCH_BLDG_GARAGE_02200393
L_ARCH_BLDG_HOTEL_02200393
L_ARCH_BLDG_MARKET_02200393



- ### LANDSCAPE GENERAL NOTES:
- THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF LEE'S SUMMIT, MISSOURI IN CURRENT USAGE. ALL STANDARDS NOT COVERED BY THE CITY SHALL BE APWA STANDARDS IN CURRENT USAGE UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, DRAIN LINES AND IRRIGATION PIPING PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, DRAIN LINES AND IRRIGATION PIPING.
 - CONTRACTOR SHALL VERIFY AND COORDINATE ALL FINAL GRADES WITH LANDSCAPE ARCHITECT PRIOR TO COMPLETION.
 - DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE AND SHALL BE REMOVED AT FREQUENT INTERVALS. AT COMPLETION OF WORK IN EACH AREA, THE CONTRACTOR SHALL GATHER AND REMOVE ALL DEBRIS, EQUIPMENT, AND EXCESS MATERIAL FROM THAT AREA. AT FINAL COMPLETION OF ALL WORK HE SHALL REMOVE ALL SUCH ITEMS FROM THE PREMISES.
 - LOCATION AND PLACEMENT OF ALL PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 - THE LANDSCAPE PLANTING PLAN GRAPHICALLY ILLUSTRATES OVERALL PLANT MASSINGS. EACH PLANT SPECIES SHALL BE PLACED IN THE FIELD TO UTILIZE THE GREATEST COVERAGE OF THE GROUND PLANE. THE FOLLOWING APPLIES FOR INDIVIDUAL PLANTINGS:
 - ALL EVERGREEN SHRUBS AND CREEPING GROUNDCOVERS SHALL BE MINIMUM OF 2' FROM ANY PAVING EDGE.
 - ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED AND SITED FOR THE BEST AESTHETIC VIEWING.
 - ALL TREES, EVERGREEN OR DECIDUOUS, SHALL BE A MINIMUM OF 4' FROM ANY PAVING EDGE.
 - ANY SUBSTITUTION OF SPECIFIED PLANT MATERIAL WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 - MULCH ALL PLANTING AREAS TO A DEPTH OF 3" DEPTH ACCORDING TO PLANS AND SPECIFICATIONS. SAMPLES SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
 - ALL PLANT MATERIAL WILL BE HEALTHY, VIGOROUS AND FREE OF DISEASE AND INSECTS PER AAN STANDARDS. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY INFERIOR OR OTHERWISE UNSUITABLE PLANT MATERIAL PROPOSED FOR USE ON THE PROJECT.
 - ALL PLANTING BEDS NOT FULLY CONTAINED BY CONCRETE CURBS OR WALKS SHALL BE EDGED ACCORDING TO PLANS AND SPECIFICATIONS.
 - PLANTS AND LANDSCAPE MATERIALS SHALL BE INSTALLED AS DETAILED ON PLANS.
 - PLANT BACKFILL FOR TREES AND SHRUBS SHALL BE PER SPECIFICATIONS.
 - ALL PLANTING BEDS SHALL BE TREATED WITH DACTHAL PRE-EMERGENT HERBICIDE AT MANUFACTURER RECOMMENDED RATES AND SHALL BE COVERED WITH SPECIFIED MULCH APPLICATION. APPLY LIGHTER APPLICATION OF DACTHAL HERBICIDE TO TOP OF MULCH LAYER.
 - ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT DESIGNATED AS PLANTING BEDS OR PAVEMENT AREAS SHALL BE SEEDED WITH A TURF TYPE TALL FESCUE PER SPECIFICATIONS.
 - ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER OWNERS FINAL ACCEPTANCE OF FINISHED JOB. ALL DEAD AND DAMAGED PLANT MATERIAL SHALL BE REPLACED BY LANDSCAPE CONTRACTOR AT THEIR EXPENSE. LANDSCAPE CONTRACTOR SHALL MAINTAIN PLANT MATERIAL UNTIL FINAL ACCEPTANCE.
 - ALL LANDSCAPE BEDS SHALL BE MOUNDED AS SHOWN ON PLANS AND DETAILS.
 - LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL PLANT QUANTITIES REQUIRED TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS, AND BASE THEIR BID ACCORDINGLY.
 - PLANT KEY DESCRIPTION.



1 OVERALL LANDSCAPE PLAN

olsson studio

OLSSON + LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
12-22-2023
12-22-2023

BY

REV. NO.

DATE

REVISIONS DESCRIPTION

ADENDUM #1

OVERALL LANDSCAPE PLAN

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MISSOURI

2023

REVISIONS

drawn by: TS/TG/EW

checked by: DV

approved by: KPS

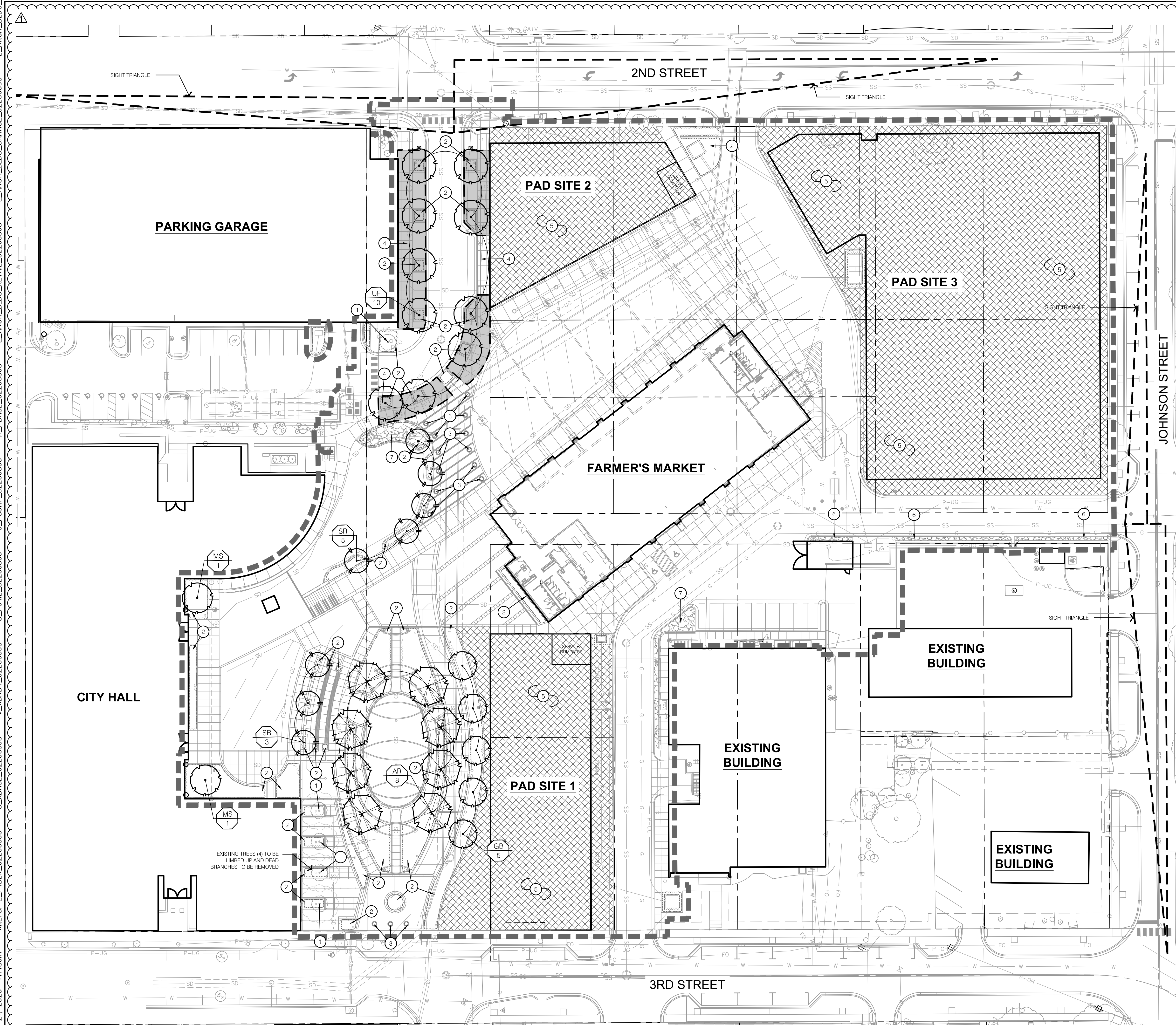
QA/QC by: BM

project no.: 022-00393

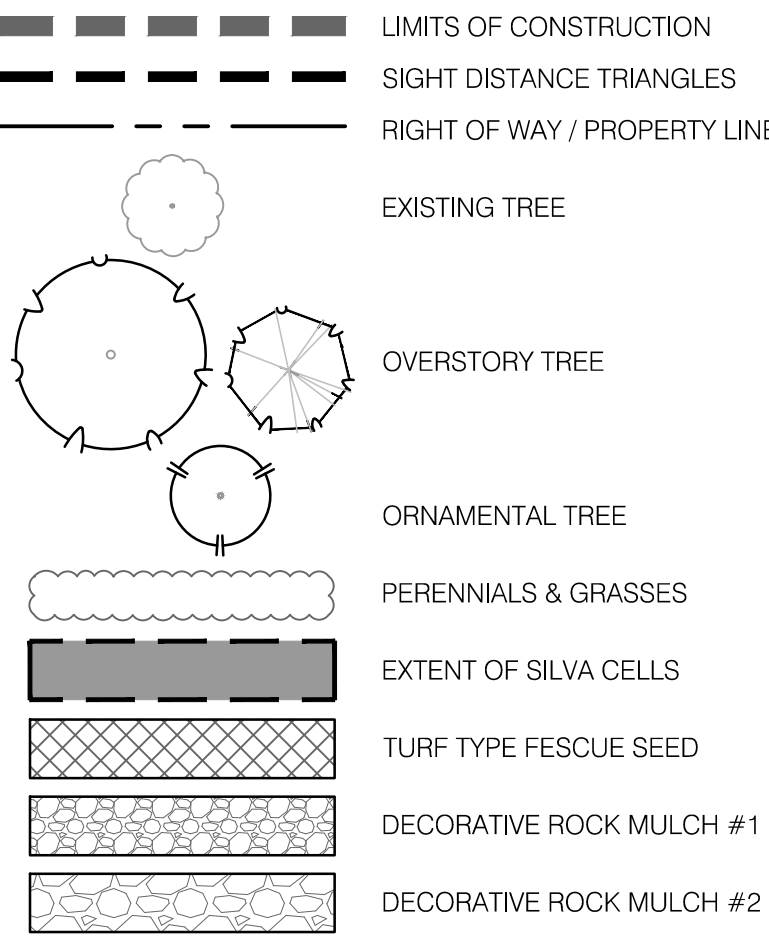
drawing no.: L_OVR01_02200393

date: 12/22/2023

SHEET L400



LANDSCAPE LEGEND:



LANDSCAPE OVERSTORY PLAN NOTES:

- EXISTING TREE TO REMAIN (SELECTIVE PRUNING)
- PLANTING BED, REF: LANDSCAPE GENERAL NOTES & DETAILS
- INSTALL PLANTER, REF: 7/L490
- INSTALL SILVA CELLS, REF: 8/L490
- AREA TO BE SEEDED WITH TURF TYPE FESCUE SEED, REF: SPECIFICATIONS
- INSTALL DECORATIVE ROCK MULCH #1 (SF-300.1), 6/L490
- INSTALL DECORATIVE ROCK MULCH #2 (SF-300.2), 6/L490

PRELIMINARY PLANT SCHEDULE

STREET FRONTAGE TREE TOTAL: 10
DECIDUOUS: B&B, 3' CAL
DECIDUOUS: B&B, 5' CAL
ORNAMENTAL: B&B, 3' CAL
EVERGREEN: B&B, 8' HT.

OPEN YARD AREA TREE TOTAL: 23
DECIDUOUS: B&B, 10' CAL
ORNAMENTAL: B&B, 3' CAL
EVERGREEN: B&B, 8' HT.

OVERSTORY PLANT SCHEDULE

| CODE | BOTANICAL NAME | COMMON NAME | SIZE | CONTAINER |
|------------------|---------------------------------|--------------------------------|----------|-----------|
| DECIDUOUS TREES | | | | |
| AR | ACER RUBRUM 'BRANDYWINE' | BRANDYWINE MAPLE | 6-8' CAL | B&B |
| GB | GINKGO BILOBA 'PNI 2720' | PRINCETON SENTRY GINKGO | 3' CAL | B&B |
| MS | MAGNOLIA VIRGINIANA | SWEETBAY MAGNOLIA | 3' CAL | B&B |
| UF | ULMUS 'FRONTIER' | FRONTIER ELM | 5' CAL | B&B |
| ORNAMENTAL TREES | | | | |
| SR | SYRINGA RETICULATA 'IVORY SILK' | IVORY SILK JAPANESE TREE LILAC | 3' CAL | B&B |

LANDSCAPE OVERSTORY PLAN

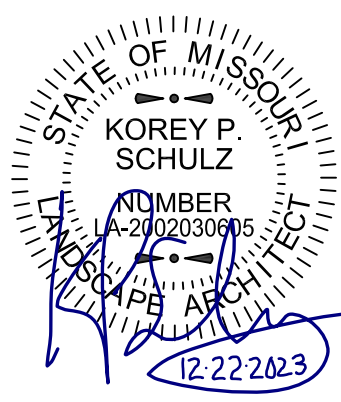
LANDSCAPE OVERSTORY PLAN

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MISSOURI

drawn by: TST/GJEW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing title: LSC_OVR01_02200393
date: 12/22/2023

SHEET
L401



| REV. NO. | DATE | REVISIONS DESCRIPTION | ADDENDUM #1 |
|----------|------------|-----------------------|-------------|
| 1 | 12-22-2023 | | |

2023

olsson studio
OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 0005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com



| LANDSCAPING AND SCREENING REQUIREMENTS | | REQUIRED PLANTS | SHOWN PLANTS |
|---|---|------------------|-------------------|
| LEE'S SUMMIT, MISSOURI | | | |
| CODE OF ORDINANCES: DIVISION III - LANDSCAPING, BUFFERS AND TREE PROTECTION | | | |
| SITE ZONED: CBD, CP-2, & TNZ, PROPOSED: CBD | | | |
| TOTAL PROPERTY: 5.11 ACRES (222,505 SQ FT) | | | |
| | | | |
| STREET FRONTAGE TREES: | | | |
| SEC. 8.790 | ONE TREE PER 30 FEET OF STREET FRONTAGE, PUBLIC OR PRIVATE | | |
| | TREES MAY BE CLUSTERED OR ARRANGED WITHIN THE SETBACK. A MIN. 20' LANDSCAPE STRIP SHALL BE PROVIDED ALONG THE FULL LENGTH OF THE STREET FRONTAGE, EXCEPT WHERE THE BUILDING SETBACK IS LESS THEN 20'. | | |
| | | | |
| | 2ND STREET | | |
| | TOTAL STREET FRONTAGE = N/A | | |
| | (N/A / 30 = 0) | N/A | N/A |
| | | | |
| | JOHNSON STREET | | |
| | TOTAL STREET FRONTAGE = N/A LF | | |
| | (N/A / 30 = 0) | N/A | N/A |
| | | | |
| | 3RD STREET | | |
| | TOTAL STREET FRONTAGE = N/A LF | | |
| | (N/A / 30 = 0) | N/A | N/A |
| | | | |
| | GREEN STREET | | |
| | TOTAL STREET FRONTAGE = 470 LF | | |
| | (470 / 30 = 15.67) | 16 TREES | 10 TREES |
| | | | |
| OPEN YARD TREES: | | | |
| SEC. 8.790 | ONE TREE PER 5,000 SQUARE FEET OF TOTAL LOT AREA EXCLUDING BUILDING FOOTPRINT | | |
| | TOTAL LOT AREA = 136,928.30 SQ FT | | |
| | BUILDING FOOTPRINT = 36,591.36 SQ FT | | |
| | 136,928.30 - 36,591.36 SQ FT = 100,336.94 SQ FT | | |
| | 100,336.94 / 5,000 = 20.07 TREES | 21 TREES | 23 TREES |
| | LANDSCAPE TOTALS | 37 TREES | 33 TREES |
| | | | |
| STREET FRONTAGE SHRUBS: | | | |
| SEC. 8.790 | ONE SHRUB PER 20 FEET OF STREET FRONTAGE | | |
| | A MINIMUM 20 FEET WIDE LANDSCAPE STRIP SHALL BE PROVIDED ALONG THE FULL LENGTH OF ANY STREET FRONTAGE, EXCEPT WHERE THE BUILDING SETBACK IS LESS THAN 20 FEET. | | |
| | | | |
| | 2ND STREET | | |
| | TOTAL STREET FRONTAGE = N/A LF | | |
| | (N/A / 20 = 0) | N/A | N/A |
| | | | |
| | JOHNSON STREET | | |
| | TOTAL STREET FRONTAGE = N/A LF | | |
| | (N/A / 20 = 0) | N/A | N/A |
| | | | |
| | 3RD STREET | | |
| | TOTAL STREET FRONTAGE = N/A LF | | |
| | (N/A / 20 = 0) | N/A | N/A |
| | | | |
| | GREEN STREET | | |
| | TOTAL STREET FRONTAGE = 470 LF | | |
| | (470 / 20 = 23.5) | 24 SHRUBS | 98 SHRUBS |
| | | | |
| OPEN YARD SHRUBS: | | | |
| SEC. 8.790 | TWO SHRUBS PER 5,000 SQUARE FEET OF TOTAL LOT AREA EXCLUDING BUILDING FOOTPRINT | | |
| | TOTAL LOT AREA = 136,928.30 SQ FT | | |
| | BUILDING FOOTPRINT = 36,591.36 SQ FT | | |
| | 136,928.30 - 36,591.36 SQ FT = 100,336.94 SQ FT | | |
| | 100,336.94 / 5,000 = 20.07 x 2 = 40.13 SHRUBS | 41 SHRUBS | 475 SHRUBS |
| | LANDSCAPE TOTALS | 65 SHRUBS | 508 SHRUBS |
| | | | |
| PARKING LOT LANDSCAPING: | | | |
| SEC. 8.810 | LANDSCAPE ISLANDS, STRIPS, OR OTHER PLANTING AREA SHALL BE AT LEAST FIVE PERCENT OF THE ENTIRE PARKING AREA | | |
| | TOTAL PARKING LOT AREA: N/A SQ FT | | |
| | TOTAL LANDSCAPE ISLAND AREA: N/A SQ FT | | |
| | N/A / N/A = 0 | N/A | N/A |
| | | | |
| | OPEN AREAS NOT COVERED WITH OTHER MATERIALS SHALL BE COVERED WITH SOD. | | |

OVERSTORY PLANT SCHEDULE

| CODE | BOTANICAL NAME | COMMON NAME | SIZE | CONTAINER |
|------------------|---------------------------------|--------------------------------|----------|-----------|
| DECIDUOUS TREES | | | | |
| AR | ACER RUBRUM 'BRANDYWINE' | BRANDYWINE MAPLE | 6-8' CAL | B&B |
| GB | GINKGO BILOBA 'PM 2720' | PRINCETON SENTRY GINKGO | 3' CAL | B&B |
| MS | MAGNOLIA VIRGINIANA | SWEETBAY MAGNOLIA | 3' CAL | B&B |
| UF | ULMUS FRONTIER | FRONTIER ELM | 3' CAL | B&B |
| ORNAMENTAL TREES | | | | |
| SR | SYRINGA RETICULATA 'IVORY SILK' | IVORY SILK JAPANESE TREE LILAC | 3' CAL | B&B |

UNDERSTORY PLANT SCHEDULE

| CODE | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | |
|--------------------|--|----------------------------------|--------|-----------|----------|
| DECIDUOUS SHRUBS | | | | | |
| HY | HYDRANGEA ARBORESCENS 'ABETWO' | INCREDIBALL® HYDRANGEA | 5 GAL | CONT. | |
| HB | HYDRANGEA PANICULATA 'LIVIDOR' | BOBOW PANICLE HYDRANGEA | 5 GAL | CONT. | |
| HQ | HYDRANGEA QUERCIFOLIA 'MUNCHKIN' | MUNCHKIN OAKLEAF HYDRANGEA | 5 GAL | CONT. | |
| HF | HYPERICUM FRONDOSUM 'SUNBURST' | SUNBURST ST. JOHN'S WORT | 5 GAL | CONT. | |
| HT | HYPERICUM KALMIANUM 'SMHKBP' | BLUES FESTIVAL® ST. JOHN'SWORT | 5 GAL | CONT. | |
| PW | PHYSCARPUS OPULIFOLIUS 'SMNPMS' | SUMMER WINE® BLACK NINEBARK | 5 GAL | CONT. | |
| SD | SPIREAE X 'NCSX2' | DOUBLE PLAY® DOOZIE® SPIREA | 5 GAL | CONT. | |
| SY | SYRINGA X 'SMNSDP' | BABY KIM® DWARF LILAC | 5 GAL | CONT. | |
| EVERGREEN SHRUBS | | | | | |
| BG | BUXUS X 'GREEN GEM' | GREEN GEM BOXWOOD | 5 GAL | CONT. | |
| CH | CEPHALOTAXUS HARRINGTONIA | PLUM YEW | 5 GAL | CONT. | |
| JQ | JUNIPERUS VIRGINIANA 'GREY OWL' | GREY OWL EASTERN REDCEDAR | 5 GAL | CONT. | |
| TH | TAXUS X MEDIA 'HICKSIII' | HICKS ANGLO-JAPANESE YEW | 5 GAL | CONT. | |
| ORNAMENTAL GRASSES | | | | | |
| CK | CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' | KARL FOERSTER FEATHER REED GRASS | 3 GAL | CONT. | |
| PS | PANICUM VIRGATUM 'SHEENANDOAH' | SHEENANDOAH SWITCH GRASS | 3 GAL | CONT. | |
| PH | PENNISETUM ALOPEGUROIDES 'HAMELIN' | HAMELIN FOUNTAIN GRASS | 3 GAL | CONT. | |
| ST | SPOROBOLUS HETEROLEPIS 'TARA' | TARA PRAIRIE DROPSSEED | 3 GAL | CONT. | |
| PERENNIALS | | | | | |
| AL | ALLIUM X 'MILLENIUM' | MILLENIUM ORNAMENTAL ONION | 1 GAL | CONT. | |
| HA | HOSTA X 'HALCYON' | HALCYON HOSTA | 1 GAL | CONT. | |
| HO | HOSTA X 'MINUTEMAN' | MINUTEMAN HOSTA | 1 GAL | CONT. | |
| ANNUALS | | | | | |
| ANN | ANNUALS | | 4" POT | | 12" o.c. |
| PERENNIALS | | | | | |
| CK | CAREX FLACCA 'BLUE ZINGER' | BLUE ZINGER SEDGE | 1 GAL | CONT. | 15" o.c. |
| LB | LIRIOPE MUSCARI 'BIG BLUE' | BIG BLUE LILYTURF | 1 GAL | CONT. | 18" o.c. |
| LV | LIRIOPE MUSCARI 'VAREGATA' | VAREGATED LILYTURF | 1 GAL | CONT. | 18" o.c. |
| RS | RUDBECKIA FULGIDA 'LITTLE GOLDSTAR' | LITTLE GOLDSTAR CONEFLOWER | 1 GAL | CONT. | 12" o.c. |
| VC | VINCA MINOR 'BOWLES' | BOWLES PERIWINKLE | 1 GAL | CONT. | 12" o.c. |

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
NO. 000000006
12-22-2023

BY

REV. NO.

DATE

REVISIONS DESCRIPTION

ADDENDUM #1

LANDSCAPE & SCREENING REQUIREMENTS DATA

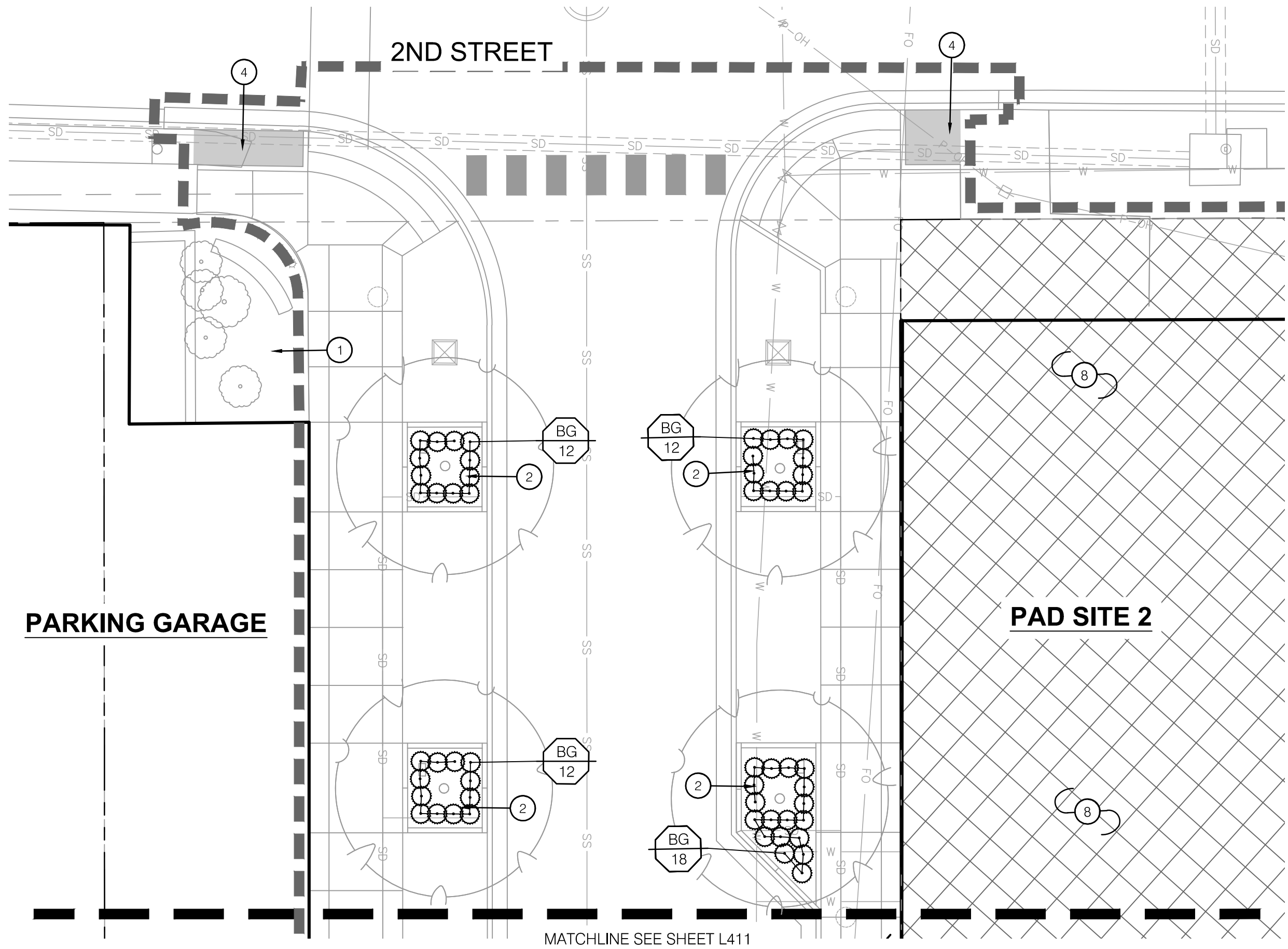
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

2023

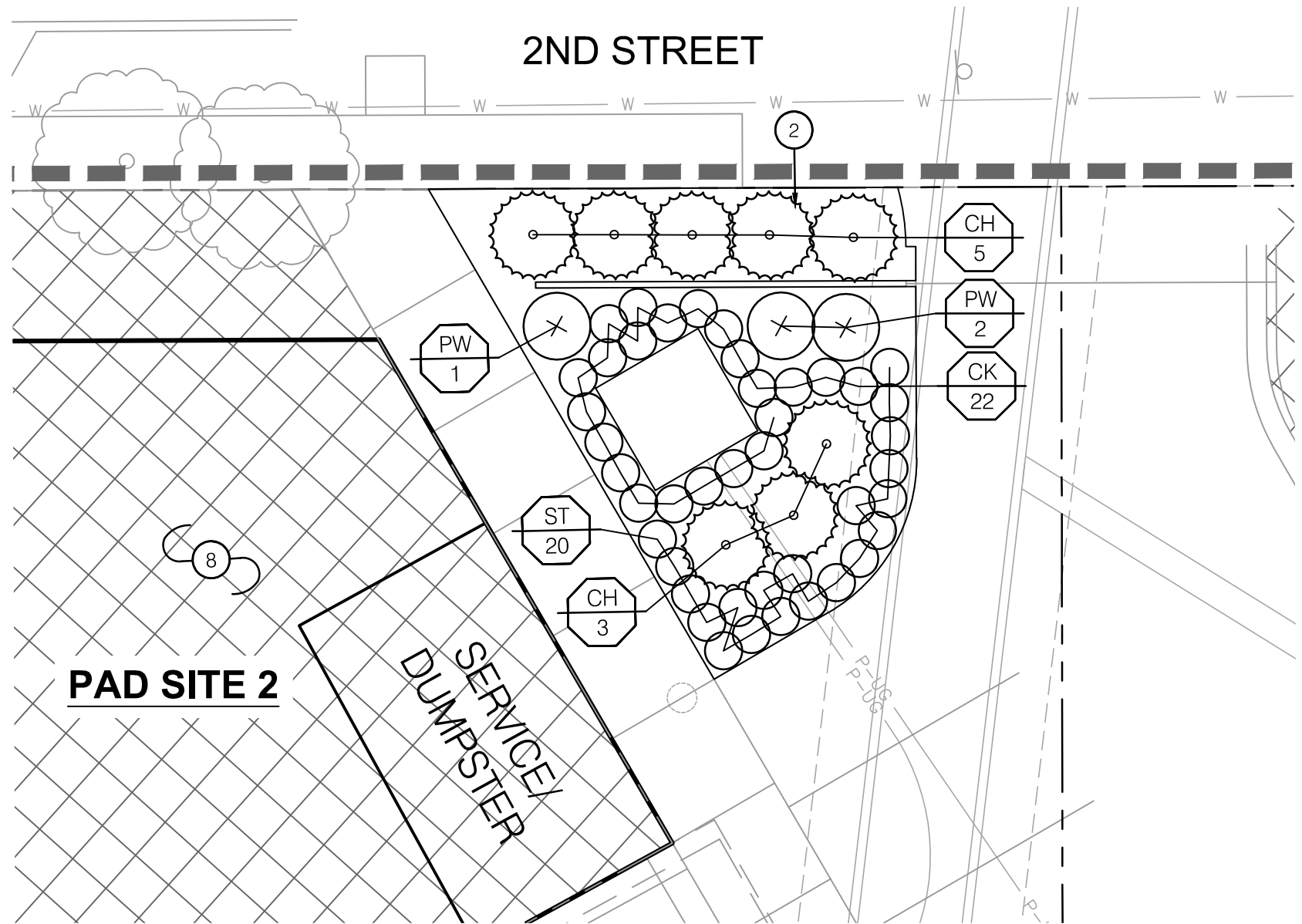
drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing no.: L_LSC01_02200393
date: 12/22/2023

SHEET
L402

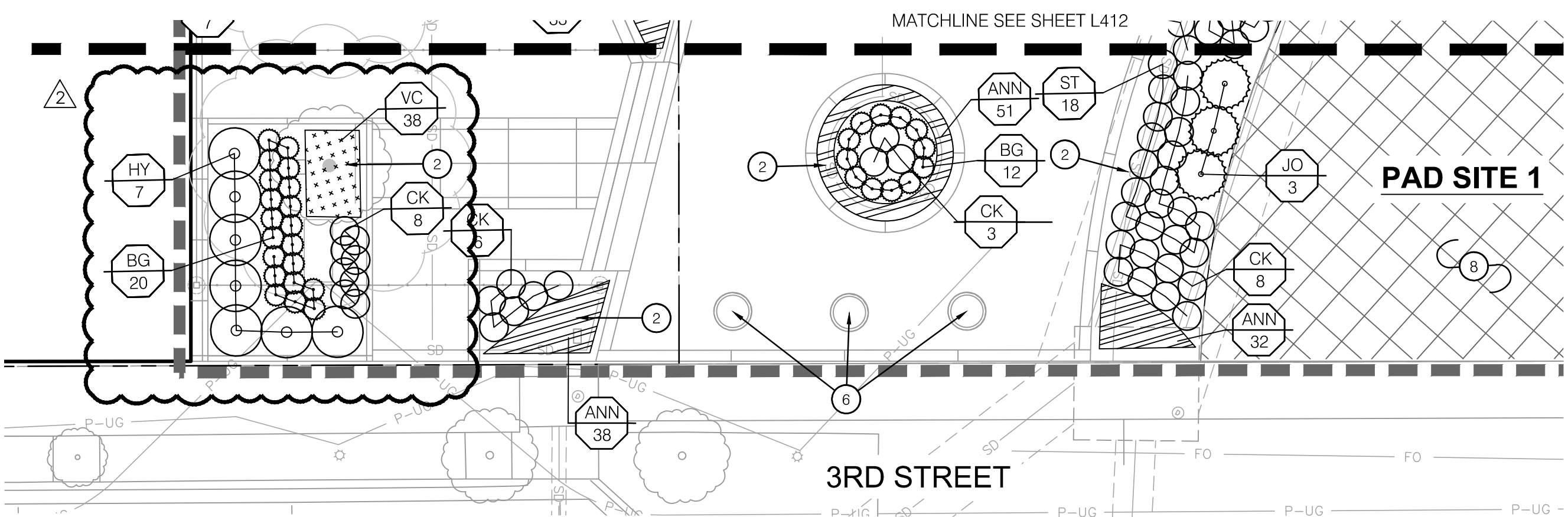
DWG: F:\2022\00001-00500\022-00393\40-Design\AutoCAD\Final Plans\Sheets\OSTU\LSC_UND01_02200393.dwg
DATE: Jan 11, 2024 10:07am
USER: ewilson
C:\XBASE_02200393 V_XBN01_02200393 C_P\TUTL_02200393 C_PSURF_02200393 A_PBASE_02200393 L_ARCH_BLDG_RETAIL_02200393 L_ARCH_BLDG_GARAGE_02200393 L_ARCH_BLDG_HOTEL_02200393



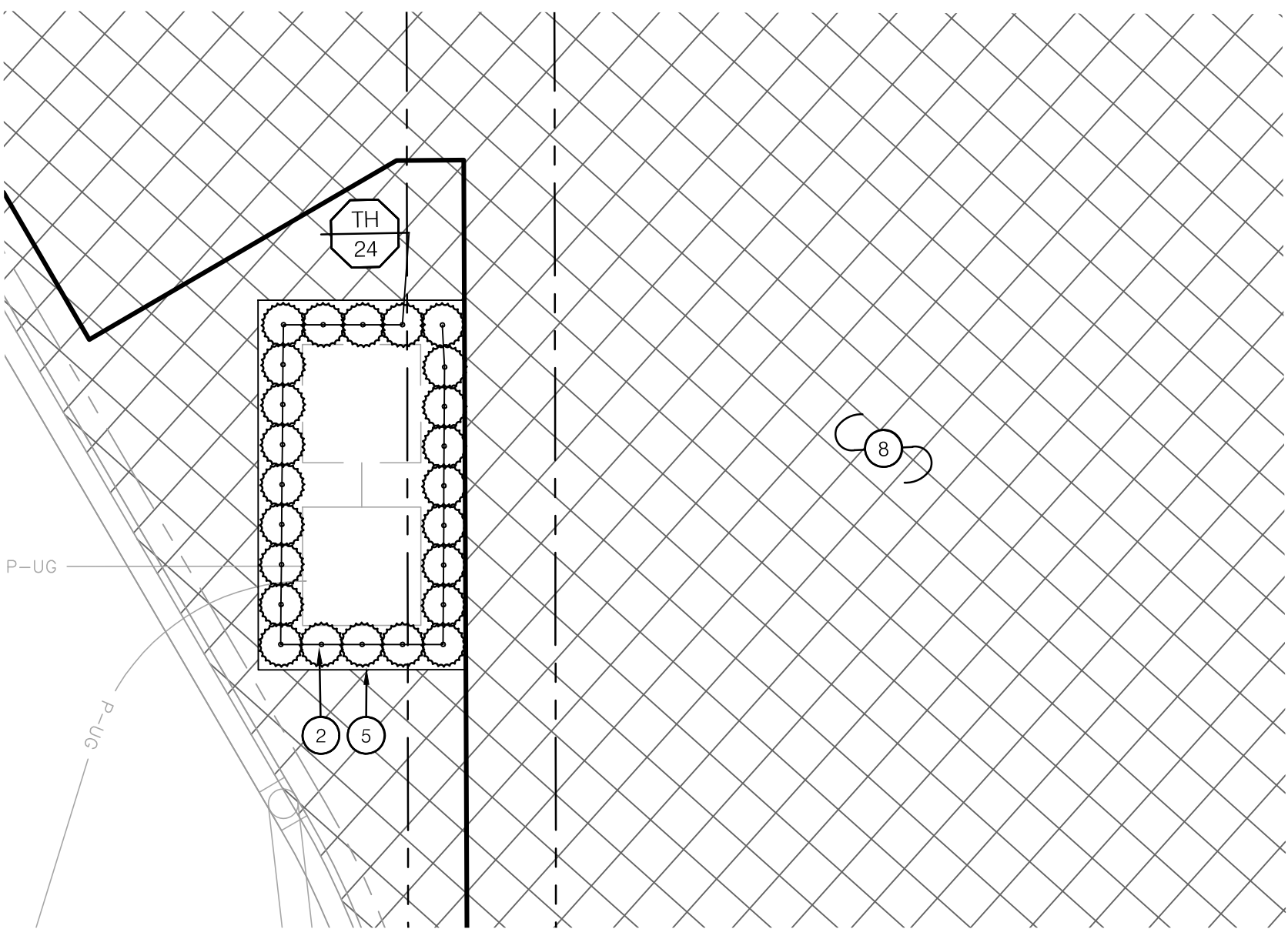
1 LANDSCAPE UNDERSTORY PLAN



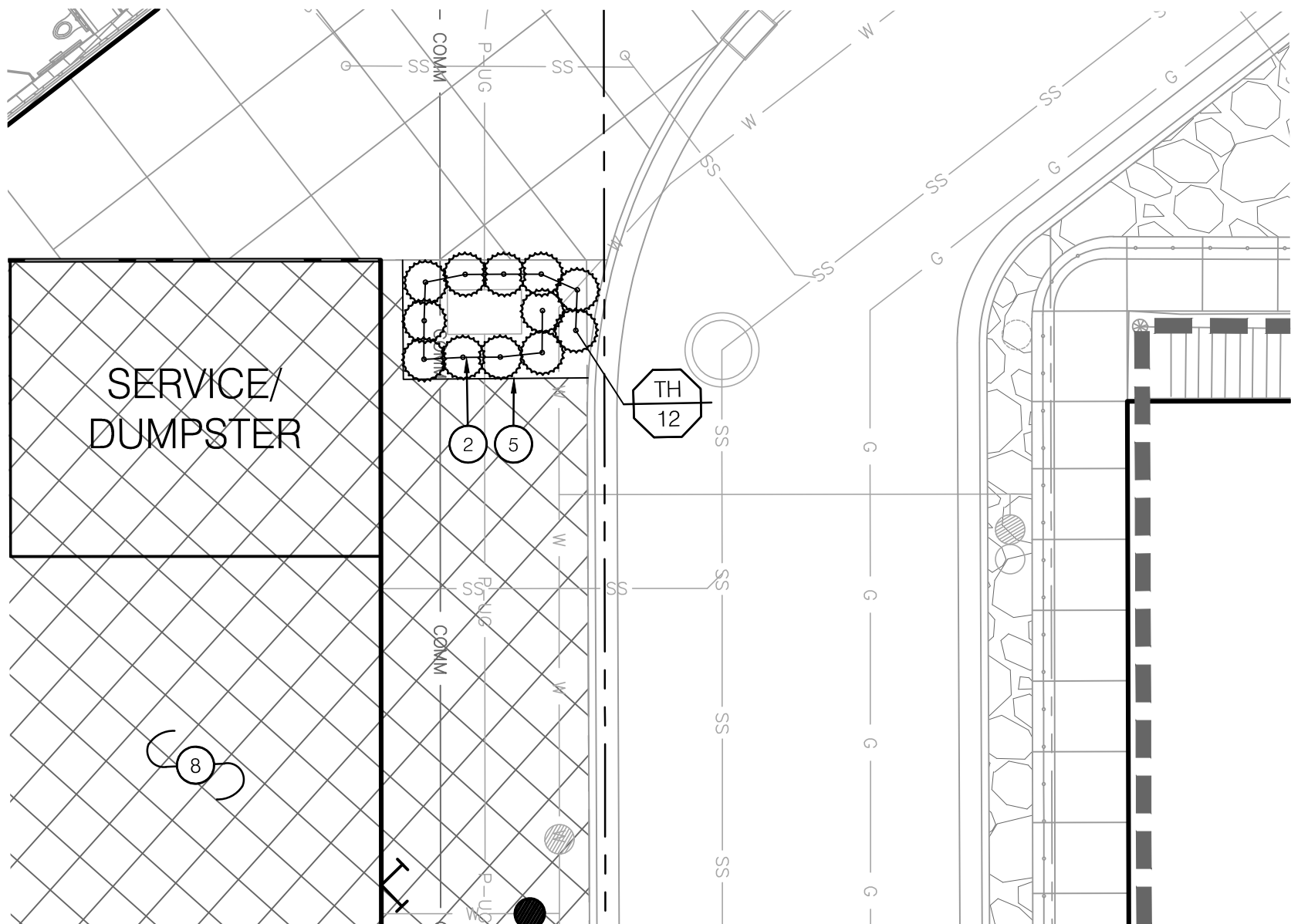
2 LANDSCAPE UNDERSTORY PLAN



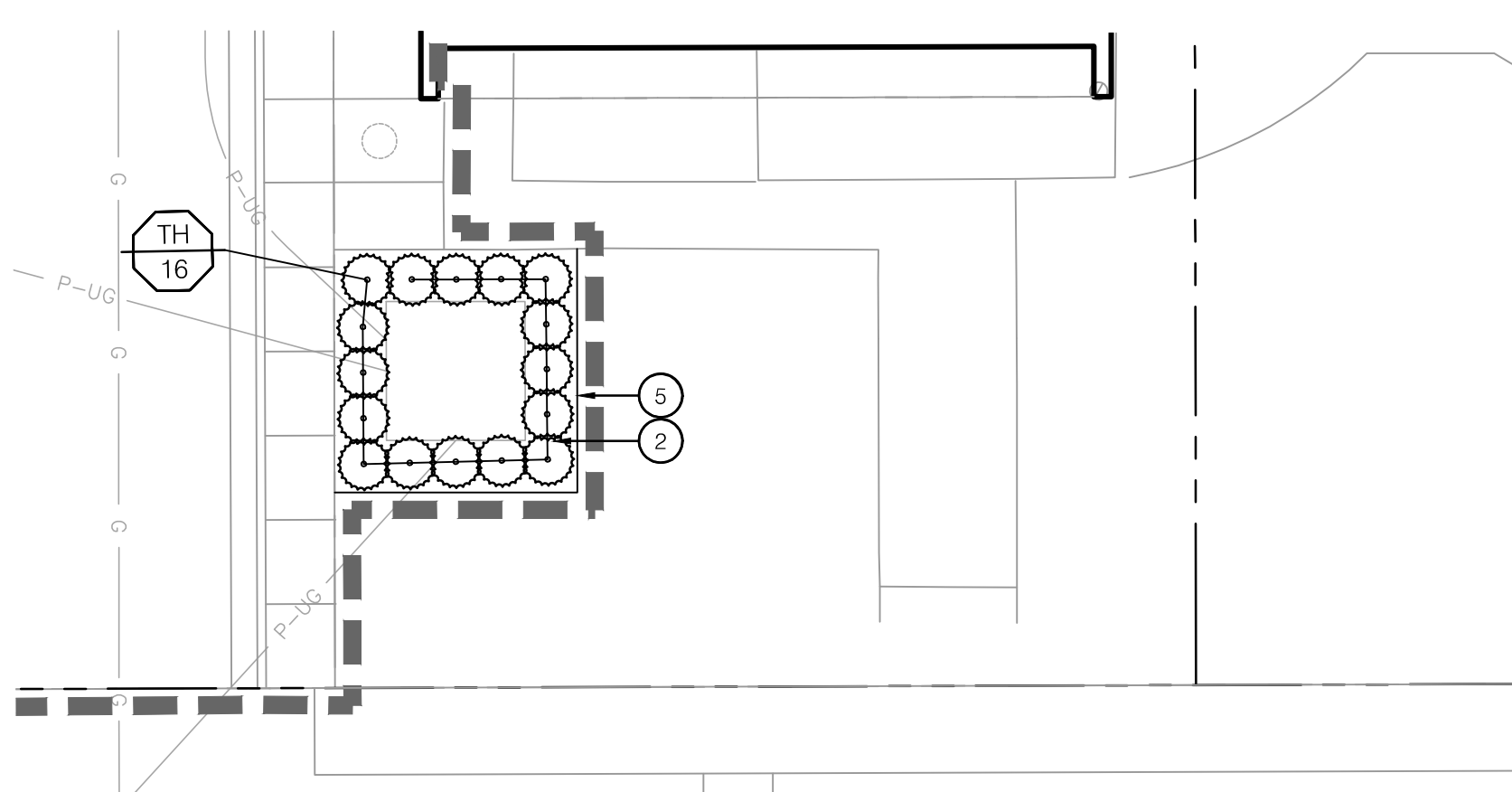
3 LANDSCAPE UNDERSTORY PLAN



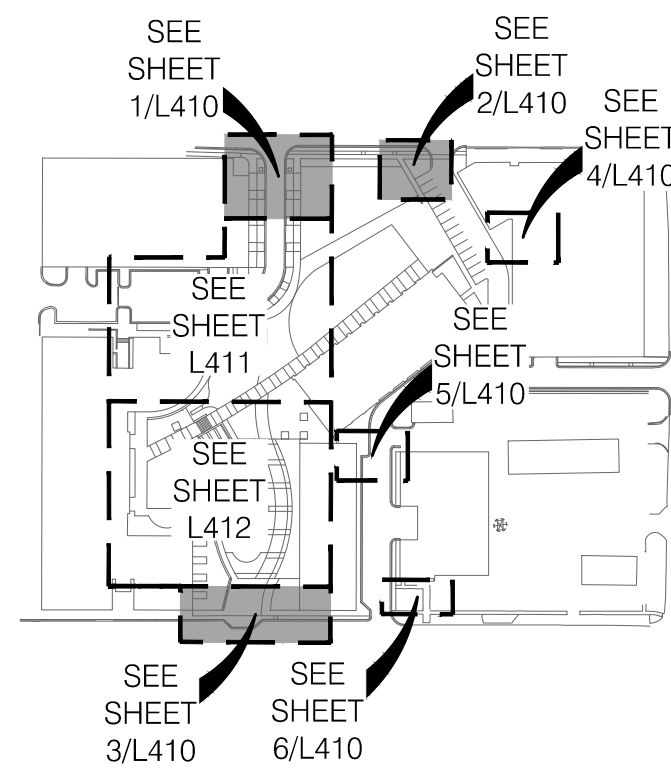
4 LANDSCAPE UNDERSTORY PLAN



5 LANDSCAPE UNDERSTORY PLAN



6 LANDSCAPE UNDERSTORY PLAN



KEYMAP

LANDSCAPE LEGEND:

- LIMITS OF CONSTRUCTION
- - - RIGHT OF WAY / PROPERTY LINE
- - - SHEET MATCHLINE
- EXISTING TREE
- OVERSTORY TREE
- ORNAMENTAL TREE
- TURF TYPE FESCUE SOD
- TURF TYPE FESCUE SEED
- ANNUALS
- PERENNIALS

LANDSCAPE UNDERSTORY PLAN NOTES:

- EXISTING PLANTING BED TO REMAIN
- PLANTING BED WITH DOUBLE-GROUND HARDWOOD MULCH; REF: LANDSCAPE GENERAL NOTES, DETAILS, & SPECIFICATIONS
- PLANTING BED WITH ROCK MULCH (SF-300.2); REF: LANDSCAPE GENERAL NOTES, DETAILS, & SPECIFICATIONS
- AREA TO BE SODDED WITH TURF-TYPE FESCUE SOD; REF: SPECIFICATIONS
- INSTALL STEEL BED EDGE; REF: 4/L490
- PLANTER; REF: 7/L490
- INSTALL LANDSCAPE DRAIN INLET; REF: CIVIL PLANS
- AREA TO BE SEEDED WITH TURF TYPE FESCUE SEED; REF: SPECIFICATIONS

UNDERSTORY PLANT SCHEDULE

| CODE | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | |
|--------------------|--|----------------------------------|---------|-----------|----------|
| DECIDUOUS SHRUBS | | | | | |
| HY | HYDRANGEA ARBORESCENS 'ARCTIC' | INCREDIBALL® HYDRANGEA | 5 GAL | CONT. | |
| HB | HYDRANGEA PANICULATA 'LVOBO' | BOBO® PANICLE HYDRANGEA | 5 GAL | CONT. | |
| HQ | HYDRANGEA QUERCIFOLIA 'MUNCHKIN' | MUNCHKIN OAKLEAF HYDRANGEA | 5 GAL | CONT. | |
| HF | HYPERICUM FRONDOSUM 'SUNBURST' | SUNBURST ST. JOHN'S WORT | 5 GAL | CONT. | |
| HT | HYPERICUM KALMIANUM 'SMHKEP' | BLUES FESTIVAL® ST. JOHN'S WORT | 5 GAL | CONT. | |
| PW | PHYSCARPUS OPULIFOLIUS 'SMNPM' | SUMMER WINE® BLACK NINEBARK | 5 GAL | CONT. | |
| SD | SPIRAEA X 'NCSX2' | DOUBLE PLAY DOOZIE® SPIREA | 5 GAL | CONT. | |
| SY | SYRINGA X 'SMNSDT' | BABY KIM® DWARF LILAC | 5 GAL | CONT. | |
| EVERGREEN SHRUBS | | | | | |
| BG | BUXUS X 'GREEN GEM' | GREEN GEM BOXWOOD | 5 GAL | CONT. | |
| CH | CEPHALOTAXUS HARRINGTONIA | PLUM YEW | 5 GAL | CONT. | |
| JO | JUNIPERUS VIRGINIANA 'GREY OWL' | GREY OWL EASTERN REDCEDAR | 5 GAL | CONT. | |
| TH | TAXUS X MEDIA 'HICKSII' | HICKS ANGLO-JAPANESE YEW | 5 GAL | CONT. | |
| ORNAMENTAL GRASSES | | | | | |
| CK | CALAMAGROSTIS X ACUTIFLORA KARL FOERSTER | KARL FOERSTER FEATHER REED GRASS | 3 GAL | CONT. | |
| PS | PANICUM VIRGATUM 'SHENANDOAH' | SHENANDOAH SWITCH GRASS | 3 GAL | CONT. | |
| PH | PENNISETUM ALOPECUROIDES 'HAMELN' | HAMELN FOUNTAIN GRASS | 3 GAL | CONT. | |
| ST | SPOROBOLUS HETEROLEPS 'TARA' | TARA PRAIRIE DROPSEED | 3 GAL | CONT. | |
| PERENNIALS | | | | | |
| AL | ALLIUM X 'MILLENIUM' | MILLENIUM ORNAMENTAL ONION | 1 GAL | CONT. | |
| HA | HOSTA X 'HALCYON' | HALCYON HOSTA | 1 GAL | CONT. | |
| HO | HOSTA X 'MINUTEMAN' | MINUTEMAN HOSTA | 1 GAL | CONT. | |
| CODE | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | SPACING |
| ANNUALS | | | | | |
| ANN | ANNUALS | | 14" POT | | 12" o.c. |
| PERENNIALS | | | | | |
| CK | CAREX FLACCA 'BLUE ZINGER' | BLUE ZINGER SEDGE | 1 GAL | CONT. | 15" o.c. |
| LB | LIRIOPE MUSCARI 'BIG BLUE' | BIG BLUE LILYTURF | 1 GAL | CONT. | 18" o.c. |
| LV | LIRIOPE MUSCARI 'VAREGATA' | VAREGATED LILYTURF | 1 GAL | CONT. | 18" o.c. |
| RS | RUDBECKIA FULGIDA 'LITTLE GOLDSTAR' | LITTLE GOLDSTAR CONEFLOWER | 1 GAL | CONT. | 12" o.c. |
| VC | VINCA MINOR 'BOWLES' | BOWLES PERIWINKLE | 1 GAL | CONT. | 12" o.c. |

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
LANDSCAPE ARCHITECT
A-202030046
01/11/2024

BY
REV. NO. 1 12-22-2023 ADDENDUM #1
2 01-11-2024 ADDENDUM #2

REVISIONS DESCRIPTION
DATE
12-22-2023
01-11-2024

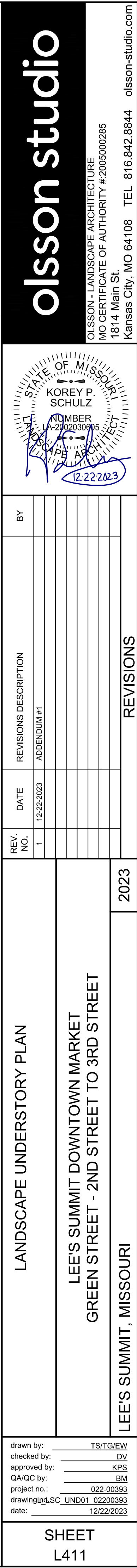
LANDSCAPE UNDERSTORY PLAN
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET
LEE'S SUMMIT, MISSOURI

2023

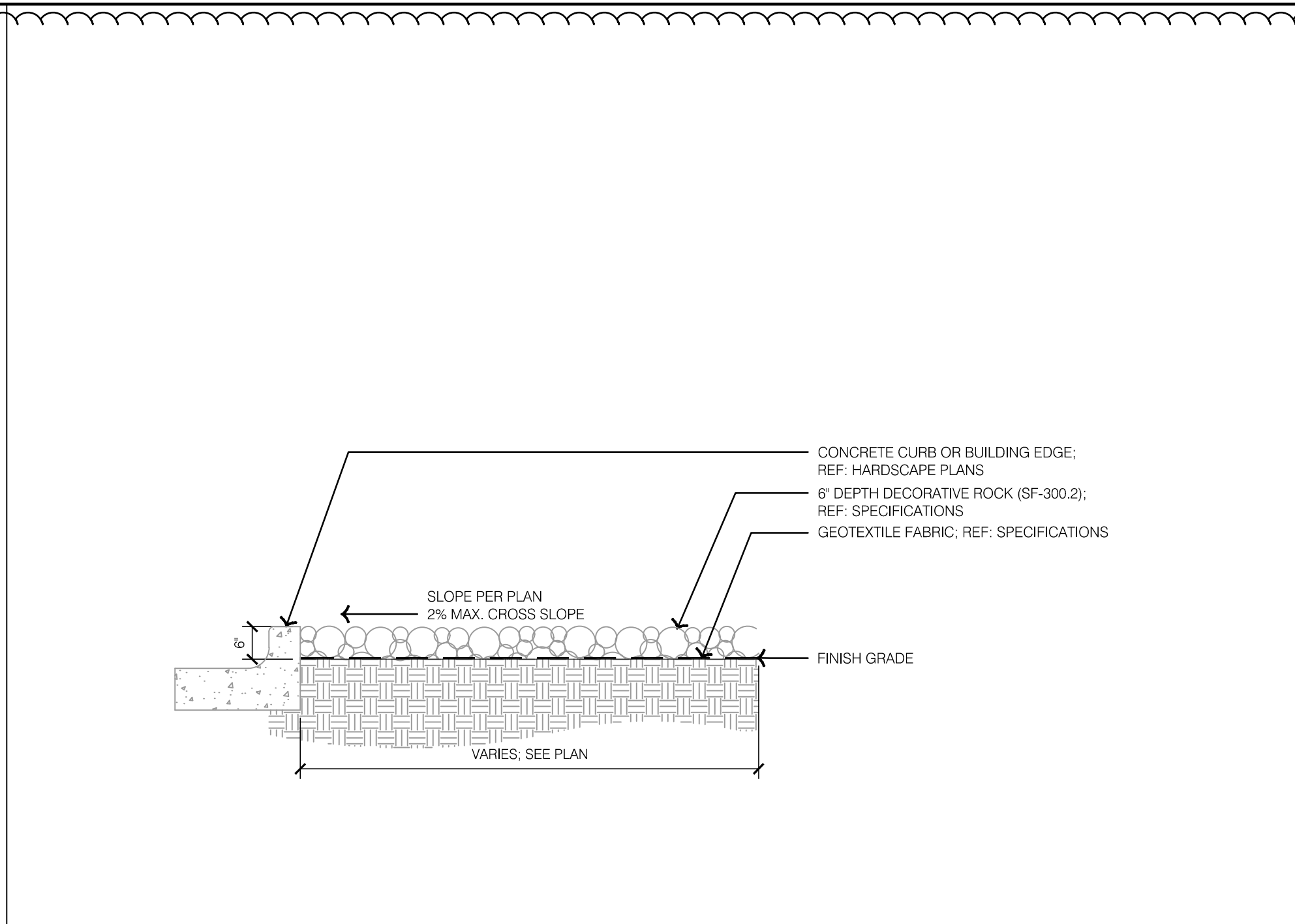
drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing: LSC_UND01_02200393
date: 12/22/2023

SHEET
L410

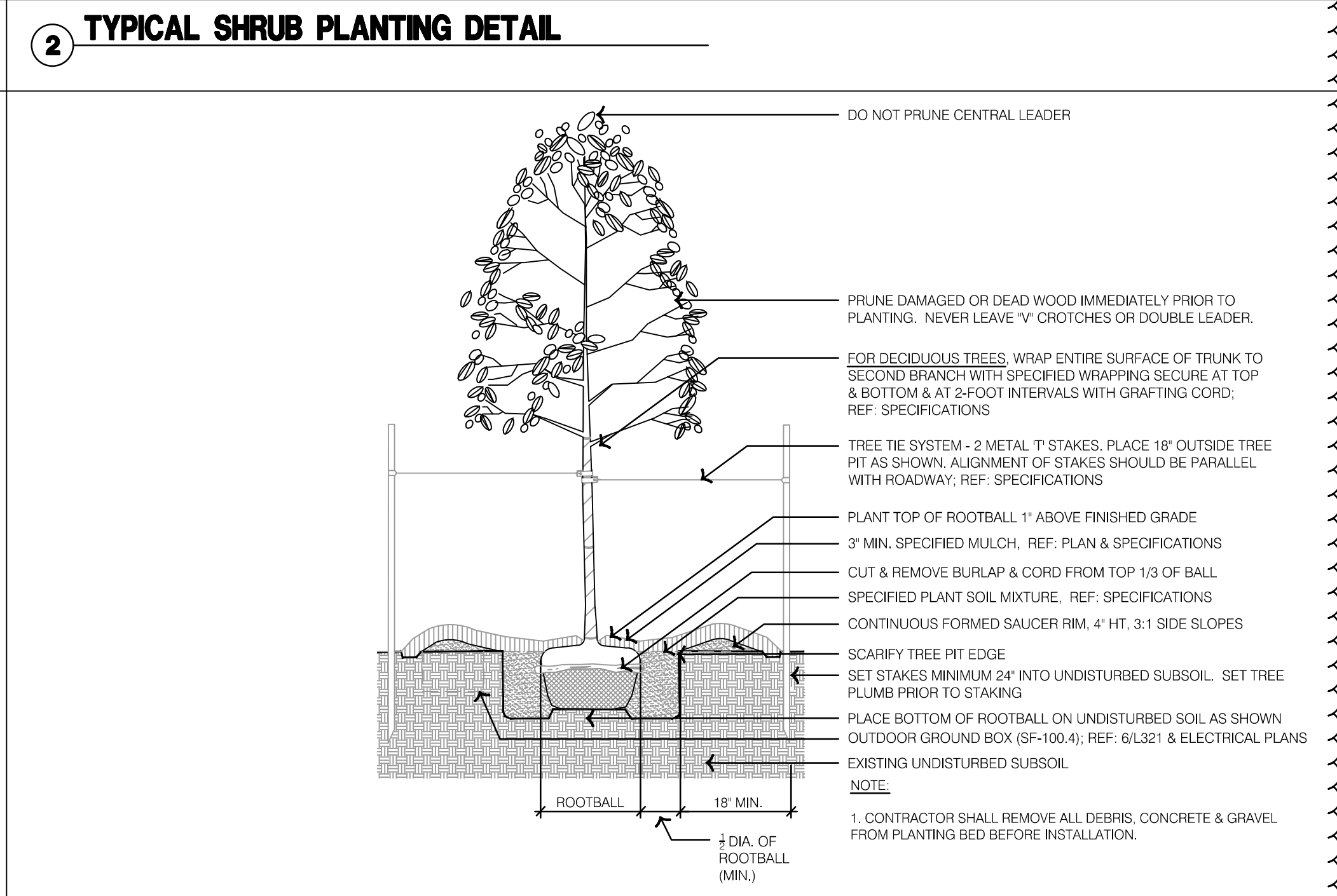
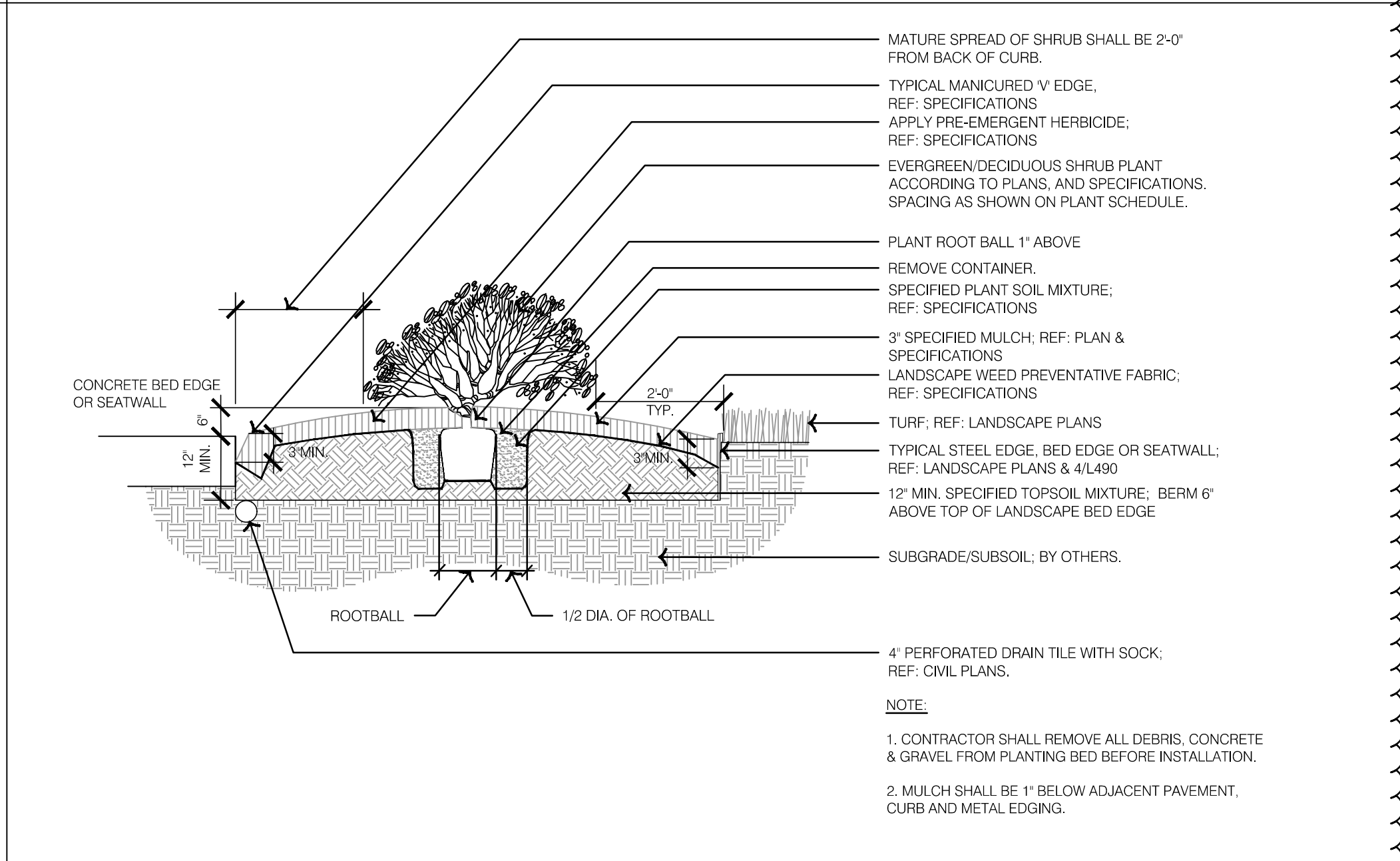
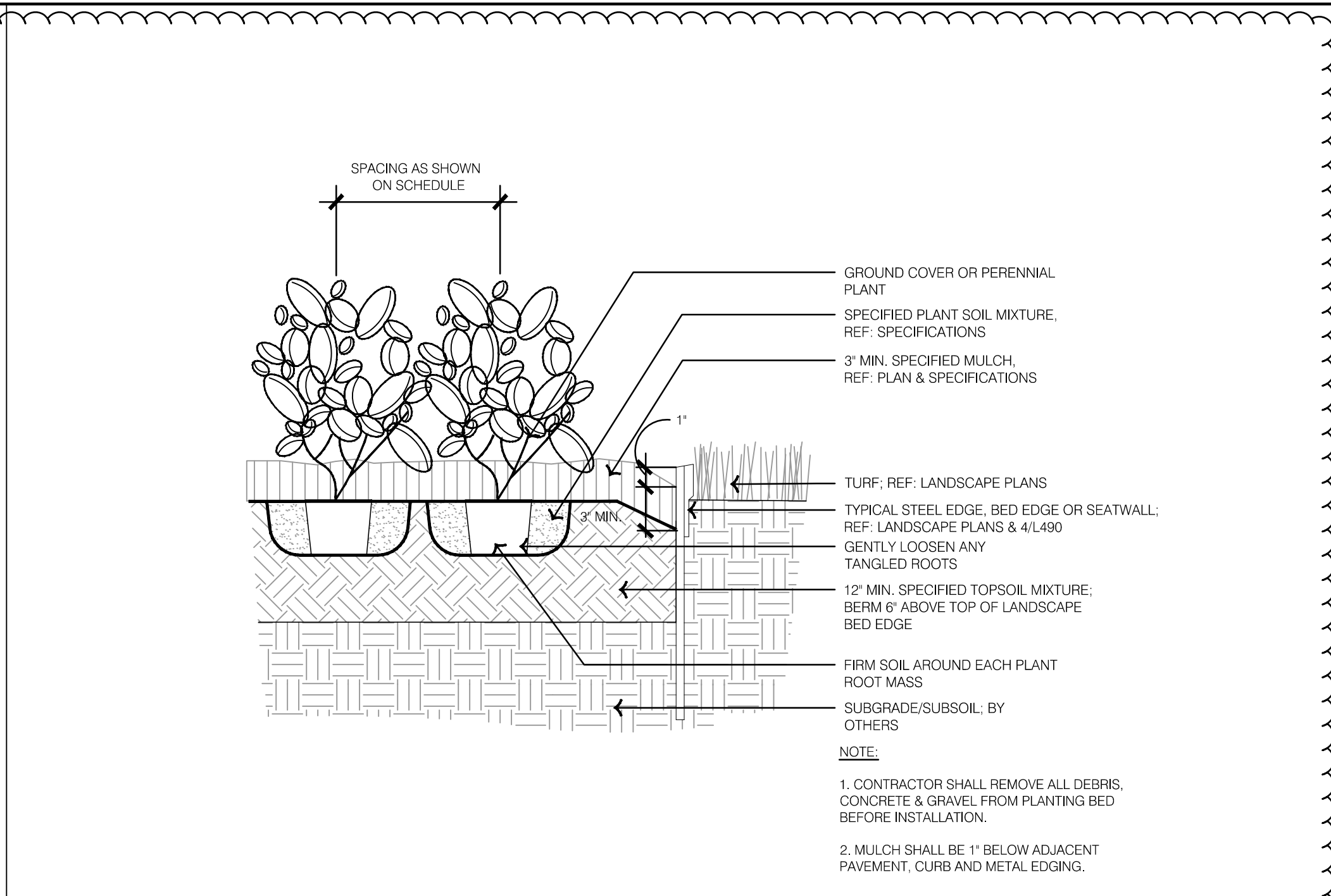
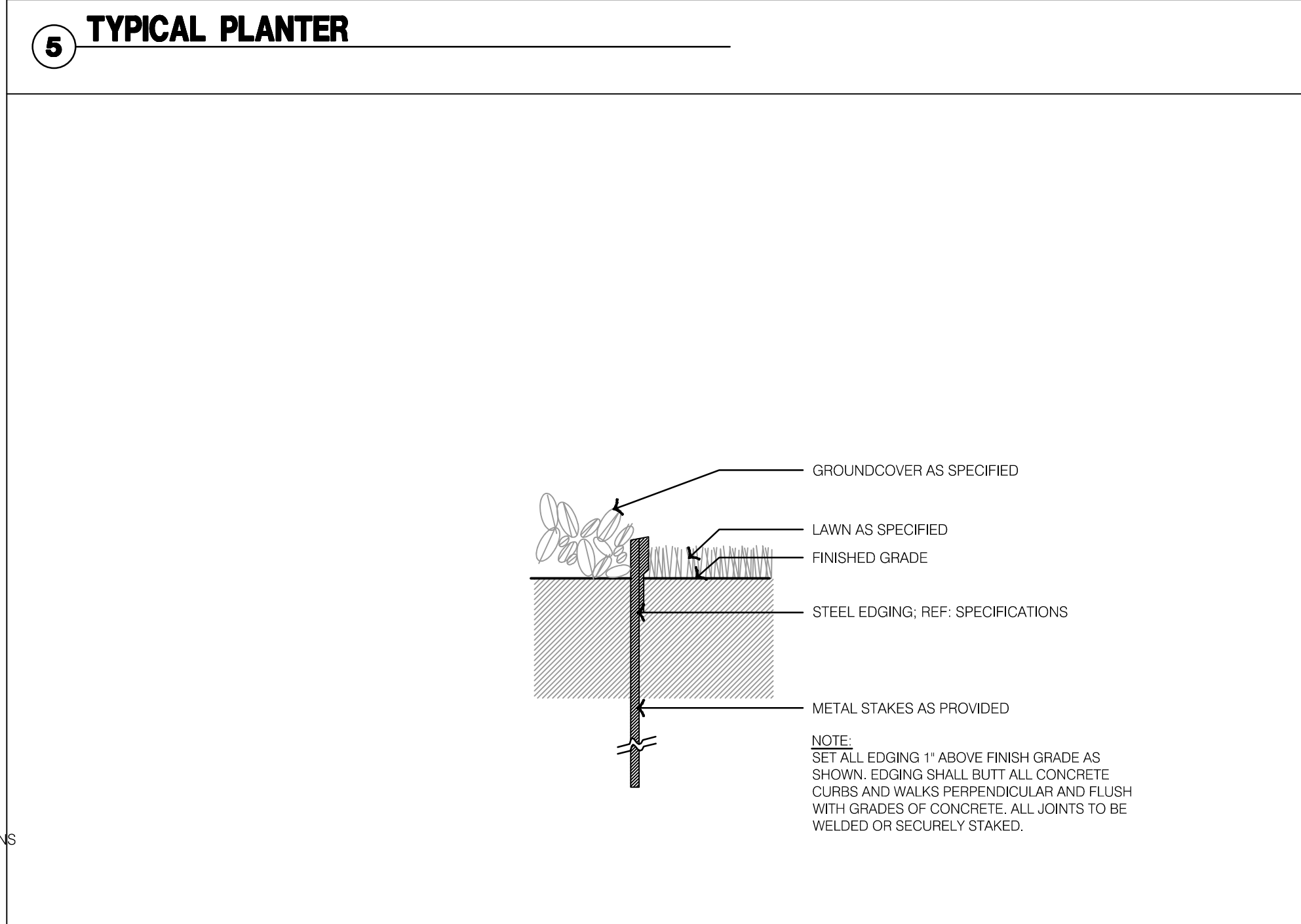
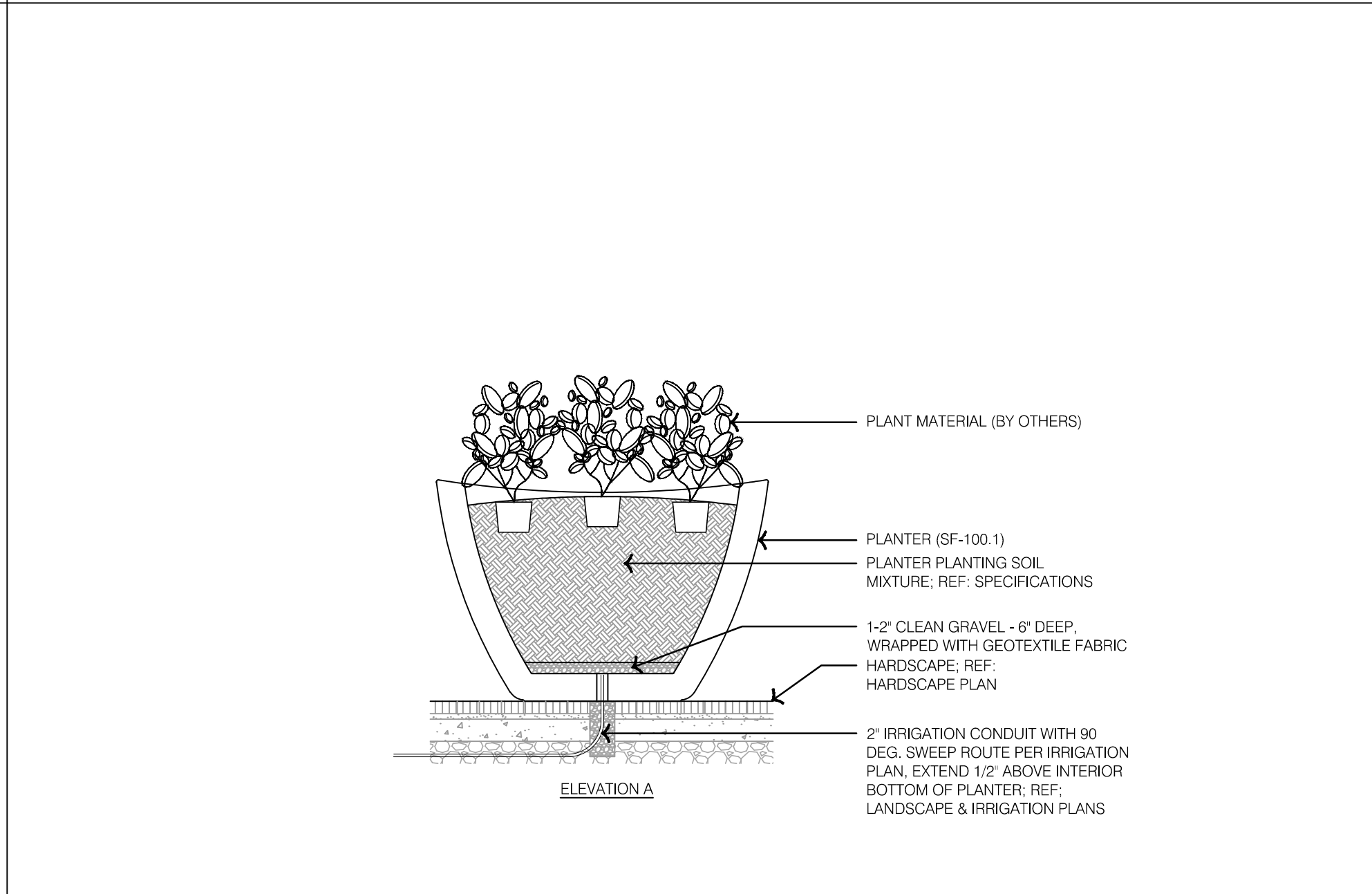
1 LANDSCAPE UNDERSTORY PLAN



7 SILVA CELL PLANTER

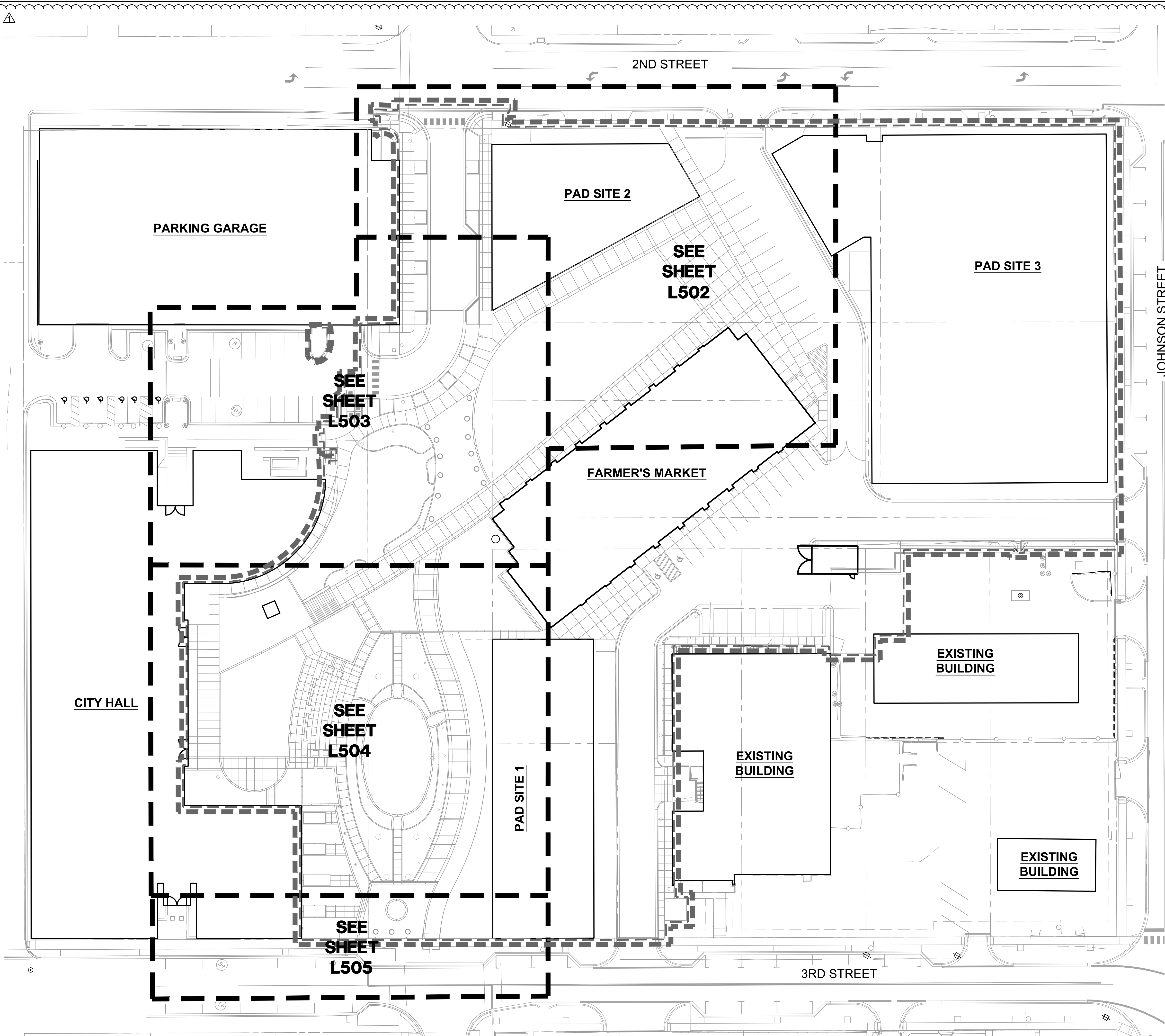


6 TYPICAL DECORATIVE ROCK MULCH



DWG: F:\2022\00001-00500\022-00393\40-design\AutoCAD\final plans\Streets\OSTUA_OVR01_02200393.dwg
DATE: Dec 21, 2023 11:20am
XREFS: L_PTBK_02200393 C_XBASE_02200393 V_XBNDY_02200393
USER: tawehlg
L_ARCH_02200393 L_ARCH_BLDG_GARAGE_02200393 L_ARCH_BLDG_HOTEL_02200393 L_ARCH_BLDG_MARKET_02200393

1 OVERALL IRRIGATION PLAN



- IRRIGATION GENERAL NOTES:**
1. THIS DESIGN IS SHOWN IN A DIAGRAMMATIC FORM. ALL COMPONENTS ARE SHOWN FOR THE PURPOSE OF CLARIFICATION AND LEGIBILITY. ALL WORK SHALL CONFORM TO SPECIFICATIONS AND DETAILS INCLUDED IN THIS PACKAGE. IRRIGATION MAINLINE, LATERALS, CONTROL VALVES, SUB-METER, BACKFLOW PREVENTER AND OTHER IRRIGATION CONTROL EQUIPMENT SHALL BE INSTALLED IN LANDSCAPE BEDS OR TURF AREAS UNLESS CONTAINED IN PVC SLEEVING UNDER PAVEMENT OR OTHER HARDSCAPE AS INDICATED ON PLANS.
 2. VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF WORK.
 3. CONTACT LANDSCAPE ARCHITECT AND COORDINATE ALL REVIEWS PRIOR TO COMMENCEMENT OF WORK.
 4. IRRIGATION CONTRACTOR SHALL VERIFY PRESSURE AT ALL TAP LOCATIONS PRIOR TO THE INSTALLATION OF ANY COMPONENTS OF THE IRRIGATION SYSTEM. NOTIFY LANDSCAPE ARCHITECT IF THE MINIMUM REQUIREMENTS FOR FLOW AND PRESSURE NOTED IN THE IRRIGATION SCHEDULES CAN NOT BE MET.
 5. CONTRACTOR SHALL INSTALL ALL IRRIGATION EQUIPMENT IN THE TURF AREAS AND PLANTING BEDS IN A MANNER SO AS TO CONFORM WITH THE VARIOUS DETAILS, PLAN NOTES AND SPECIFICATIONS FROM LANDSCAPE ARCHITECT AND MANUFACTURER.
 6. EXERCISE EXTREME CARE IN EXCAVATING AND WORKING NEAR EXISTING TREES AND UTILITIES. THE CONTRACTOR SHALL VERIFY LOCATION AND CONDITION OF ALL UTILITIES AND BE RESPONSIBLE FOR DAMAGE TO TREES OR UTILITIES. FIELD ADJUST SPRINKLER LOCATIONS SO AS TO AVOID CONFLICTS WITH UTILITIES (FIRE HYDRANTS, TRANSFORMERS, ETC.).
 7. PROTECT AT ALL TIMES THE WORK FROM DAMAGE AND THEFT. REPLACE ALL DAMAGED OR STOLEN PARTS AT CONTRACTORS EXPENSE UNTIL THE WORK IS ACCEPTED IN WRITING BY THE OWNER.
 8. THE FINAL LOCATION AND EXACT POSITIONING OF THE AUTOMATIC CONTROLLER SHALL BE APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.
 9. IRRIGATION CONTRACTOR RESPONSIBLE TO COORDINATE 110 ELECTRICAL SERVICE FOR CONTROLLER WITH BUILDING GENERAL CONTRACTOR. POWER SUPPLY CONNECTION BY IRRIGATION CONTRACTOR.
 10. FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE. INSTALL PRS-DIAL PRESSURE REGULATING MODULES ON ALL VALVES OPERATING AT PRESSURES HIGHER THAN 5 PSI FROM OPERATION PSI AS STATED IN THE CONTROLLER SCHEDULES FOR EACH ZONE.
 11. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWING WHEN IT IS OBVIOUS IN THE FIELD THAT WIND CONDITIONS, OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREAS DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED DURING DESIGN. BRING SUCH OBSTRUCTIONS OR DIFFERENCE TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND COSTS FOR ALL NECESSARY REVISIONS.
 12. CONTRACTOR SHALL PLACE ALL ZONE CONTROL VALVES AND QUICK COUPLER VALVES IN LANDSCAPE BEDS, AS POSSIBLE. PLACE VALVE BOXES A MINIMUM OF 1'-0" FROM ANY PAVEMENT AND PARALLEL TO PAVEMENT EDGE. GROUPED VALVES TO BE EQUALLY SPACED.
 13. ADJUST HEAD LOCATION IF SPRAY IS DETRIMENTAL TO OR BLOCKED BY TREE, SHRUB OR STRUCTURE, MAINTAINING EVEN COVERAGE OF PLANTED AREAS.
 14. INSTALL ALL MAINLINES TO SLOPE AT 1% MINIMUM TO MANUAL DRAIN VALVES LOCATED AT LOW POINTS OF MAIN SYSTEM.
 15. ALL SPRINKLER HEADS AND TURF ROTORS SHALL BE ADJUSTED SO THEY DO NOT SPRAY ONTO WALKS, RETAINING WALLS, BUILDINGS OR THE PLAZA AREAS.
 16. THE IRRIGATION SYSTEM IS DESIGNED TO BE DRAINED AND BLOWN OUT WITH PRESSURIZED AIR PRIOR TO FREEZING TEMPERATURES IN FALL/WINTER. THE CONTRACTOR SHALL DRAIN AND BLOW OUT THE SYSTEM AS NECESSARY UNTIL SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL BLOW OUT THE SYSTEM AND INSTRUCT THE OWNER ON THE PROCEDURES FOR THE FIRST FALL/WINTER FOLLOWING THE NOTICE OF SUBSTANTIAL COMPLETION.
 17. THE CONTRACTOR SHALL PRESSURIZE AND MAKE OPERATIONAL THE SYSTEM IN THE SPRING, AFTER ALL CHANCES OF FREEZING TEMPERATURES PASSES, UNTIL NOTICE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL ALSO PRESSURIZE AND MAKE THE SYSTEM OPERATIONAL AND INSTRUCT THE OWNER ON PROCEDURES FOR THE FIRST SPRING FOLLOWING THE NOTICE OF SUBSTANTIAL COMPLETION.
 18. CONTRACTOR SHALL INSTALL SLEEVES UNDER HARDSCAPE AT ALL POINTS WHERE IRRIGATION MAIN LINE AND LATERALS ARE LOCATED.
 19. ALL IRRIGATION EQUIPMENT INCLUDING VALVES, MAINLINES AND LATERALS SHALL BE LOCATED ON THE OWNERS PROPERTY.

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
NO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816-842-8844
olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
LANDSCAPE ARCHITECT
NUMBER 000000006
12-22-2023

BY
REV. NO. 1
DATE 12-22-2023
REVISED DESCRIPTION
ADENDUM #1
REVISIONS

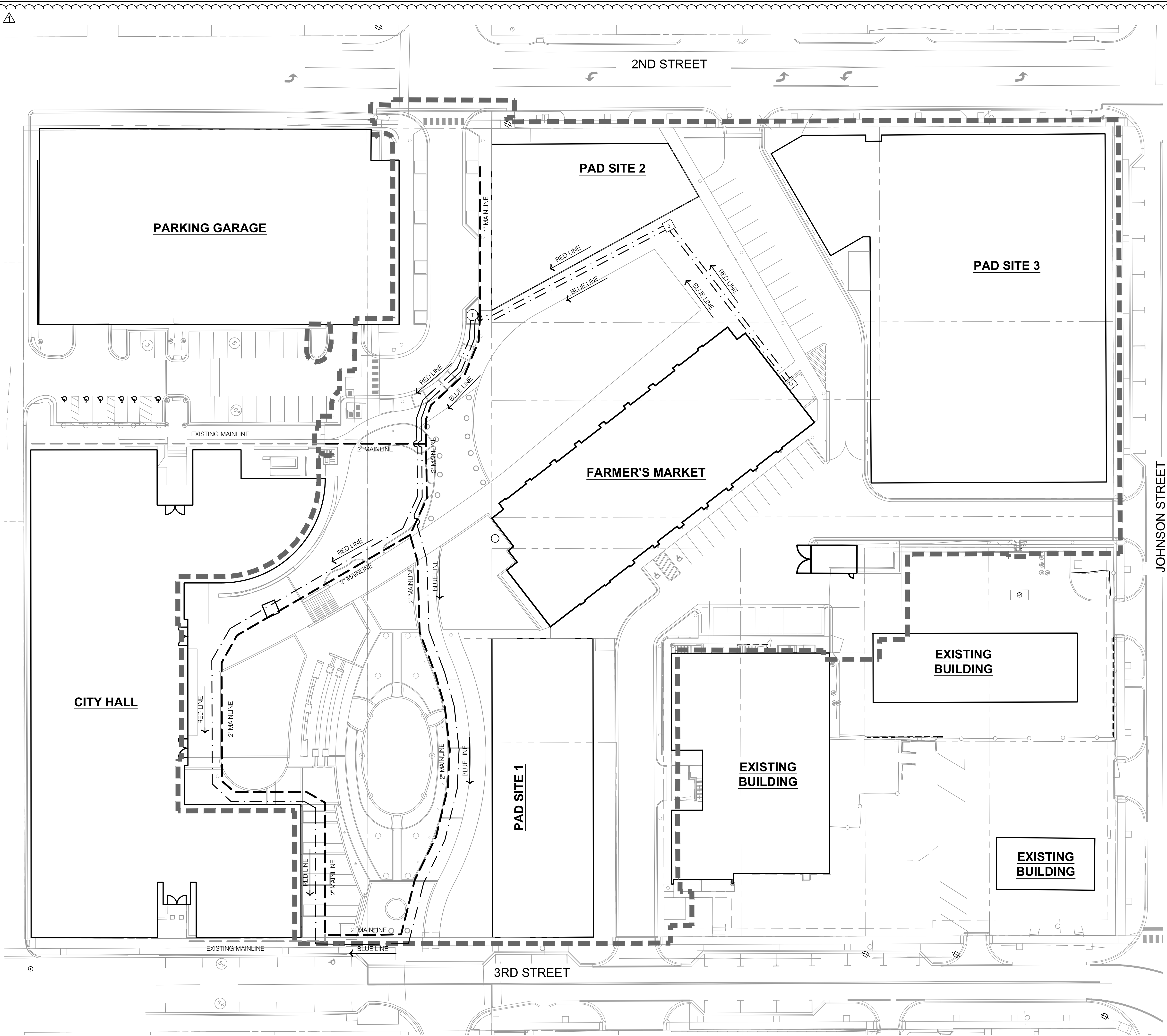
OVERALL IRRIGATION PLAN
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET
LEE'S SUMMIT, MISSOURI
2023

drawn by: TS/TGEW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing no.: L_OVR01_02200393
date: 12/22/2023

SHEET
L500

DWG: F:\2022\00001-00500\022-00393\40-design\AutoCAD\final plans\Streets\OSTUA_OVR01_02200393.dwg USER: tawehlg
DATE: Dec 21, 2023 11:20am XREFS: L_PTBK_02200393 C_XBASE_02200393 V_XBNDY_02200393 L_ARCH_02200393 L_ARCH_BLDG_RETAL_02200393 L_ARCH_BLDG_GARAGE_02200393 L_ARCH_BLDG_HOTEL_02200393 L_ARCH_BLDG_MARKET_02200393

1 IRRIGATION MAINLINE & CONTROL WIRE PLAN



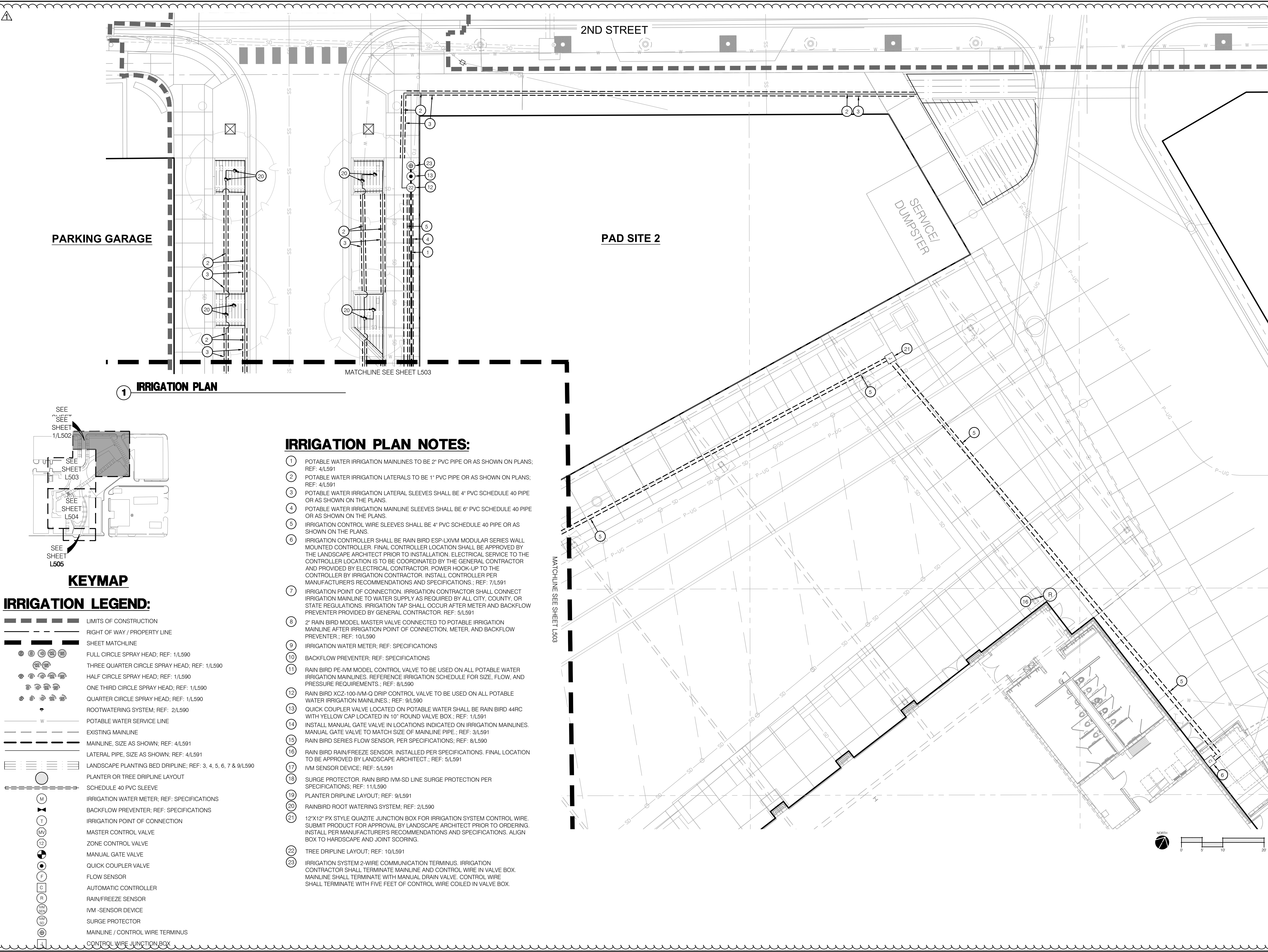
**IRRIGATION
OVERALL PLAN LEGEND:**

- LIMITS OF CONSTRUCTION
- - - RIGHT OF WAY / PROPERTY LINE
- - - POTABLE WATER SERVICE LINE
- - - EXISTING MAINLINE
- - - MAINLINE, SIZE AS SHOWN
- - - TWO-WIRE PATH LINE
- - - IRRIGATION POINT OF CONNECTION
- - - IRRIGATION CONTROLLER
- - - CONTROL WIRE JUNCTION BOX

1 2 3

| | | | |
|--|------------|--|--|
| IRRIGATION MAINLINE & CONTROL WIRE PLAN | | BY | |
| REV. NO. | DATE | REVISIONS DESCRIPTION | |
| 1 | 12-22-2023 | ADDENDUM #1 | |
| LEE'S SUMMIT DOWNTOWN MARKET GREEN STREET - 2ND STREET TO 3RD STREET | | REVISIONS | |
| LEE'S SUMMIT, MISSOURI | | 2023 | |
| SHEET L501 | | olsson studio | |
| drawn by: TS/TGEW checked by: DV approved by: KPS QA/QC by: BM project no.: 022-00393 drawing no.: L_OVR01_02200393 date: 12/22/2023 | | OLSSON - LANDSCAPE ARCHITECTURE MO CERTIFICATE OF AUTHORITY # 2005000285 1814 Main St. Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com | |

DWG: F:\2022\00001-00500\022-00393\40--design\AutoCAD\final plans\Sheets\OSTU\L_IRR01_02200393.dwg
DATE: Dec 21, 2023 11:20am
USER: tseveh'ia
C_PURE_02200393
C_PURL_02200393
A_PBASE_02200393
L_ARCH_BLDG_RETAIL_02200393
L_ARCH_BLDG_GARAGE_02200393
L_ARCH_BLDG_HOT

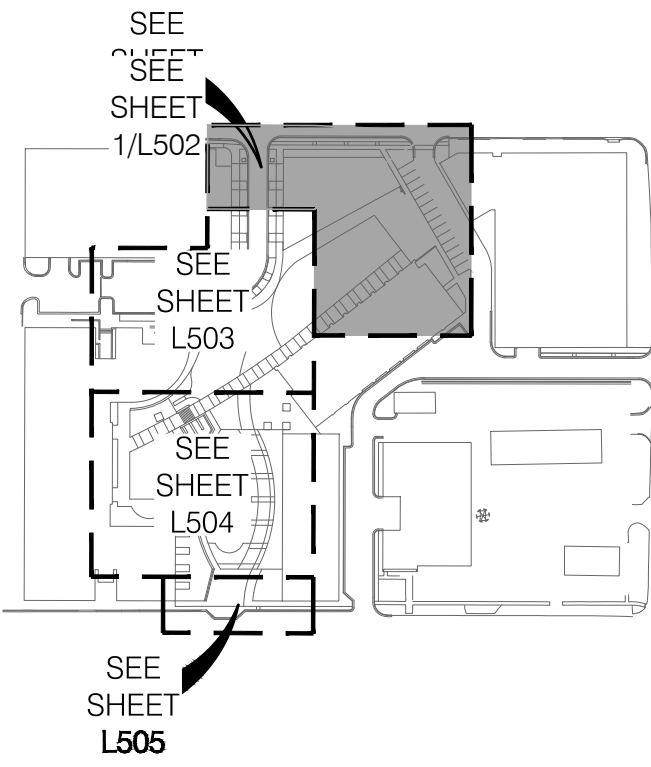


PARKING GARAGE

PAD SITE 2

SERVICE DUMPSTER

1 IRRIGATION PLAN



KEYMAP

IRRIGATION LEGEND:

- LIMITS OF CONSTRUCTION
- RIGHT OF WAY / PROPERTY LINE
- SHEET MATCHLINE
- FULL CIRCLE SPRAY HEAD; REF: 1/L590
- THREE QUARTER CIRCLE SPRAY HEAD; REF: 1/L590
- HALF CIRCLE SPRAY HEAD; REF: 1/L590
- ONE THIRD CIRCLE SPRAY HEAD; REF: 1/L590
- QUARTER CIRCLE SPRAY HEAD; REF: 1/L590
- ROOTWATERING SYSTEM; REF: 2/L590
- POTABLE WATER SERVICE LINE
- EXISTING MAINLINE
- MAINLINE, SIZE AS SHOWN; REF: 4/L591
- LATERAL PIPE, SIZE AS SHOWN; REF: 4/L591
- LANDSCAPE PLANTING BED DRIPLINE; REF: 3, 4, 5, 6, 7 & 9/L590
- PLANTER OR TREE DRIPLINE LAYOUT
- SCHEDULE 40 PVC SLEEVE
- IRRIGATION WATER METER; REF: SPECIFICATIONS
- BACKFLOW PREVENTER; REF: SPECIFICATIONS
- IRRIGATION POINT OF CONNECTION
- MASTER CONTROL VALVE
- ZONE CONTROL VALVE
- MANUAL GATE VALVE
- QUICK COUPLER VALVE
- FLOW SENSOR
- AUTOMATIC CONTROLLER
- RAIN/FREEZE SENSOR
- IVM -SENSOR DEVICE
- SURGE PROTECTOR
- MAINLINE / CONTROL WIRE TERMINUS
- CONTROL WIRE JUNCTION BOX

IRRIGATION PLAN NOTES:

- POTABLE WATER IRRIGATION MAINLINES TO BE 2" PVC PIPE OR AS SHOWN ON PLANS; REF: 4/L591
- POTABLE WATER IRRIGATION LATERALS TO BE 1" PVC PIPE OR AS SHOWN ON PLANS; REF: 4/L591
- POTABLE WATER IRRIGATION LATERAL SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- POTABLE WATER IRRIGATION MAINLINE SLEEVES SHALL BE 6" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- IRRIGATION CONTROL WIRE SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- IRRIGATION CONTROLLER SHALL BE RAIN BIRD ESP-LXIVM MODULAR SERIES WALL MOUNTED CONTROLLER. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ELECTRICAL SERVICE TO THE CONTROLLER LOCATION IS TO BE COORDINATED BY THE GENERAL CONTRACTOR AND PROVIDED BY ELECTRICAL CONTRACTOR. POWER HOOK-UP TO THE CONTROLLER BY IRRIGATION CONTRACTOR. INSTALL CONTROLLER PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.; REF: 7/L591
- IRRIGATION POINT OF CONNECTION. IRRIGATION CONTRACTOR SHALL CONNECT IRRIGATION MAINLINE TO WATER SUPPLY AS REQUIRED BY ALL CITY, COUNTY, OR STATE REGULATIONS. IRRIGATION TAP SHALL OCCUR AFTER METER AND BACKFLOW PREVENTER PROVIDED BY GENERAL CONTRACTOR. REF: 5/L591
- 2" RAIN BIRD MODEL MASTER VALVE CONNECTED TO POTABLE IRRIGATION MAINLINE AFTER IRRIGATION POINT OF CONNECTION, METER, AND BACKFLOW PREVENTER.; REF: 10/L590
- IRRIGATION WATER METER; REF: SPECIFICATIONS
- BACKFLOW PREVENTER; REF: SPECIFICATIONS
- RAIN BIRD PE-IVM MODEL CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES. REFERENCE IRRIGATION SCHEDULE FOR SIZE, FLOW, AND PRESSURE REQUIREMENTS.; REF: 8/L590
- RAIN BIRD XCZ-100-IVM-Q DRIP CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES.; REF: 9/L590
- QUICK COUPLER VALVE LOCATED ON POTABLE WATER SHALL BE RAIN BIRD 44RC WITH YELLOW CAP LOCATED IN 10" ROUND VALVE BOX.; REF: 1/L591
- INSTALL MANUAL GATE VALVE IN LOCATIONS INDICATED ON IRRIGATION MAINLINES. MANUAL GATE VALVE TO MATCH SIZE OF MAINLINE PIPE.; REF: 3/L591
- RAIN BIRD SERIES FLOW SENSOR, PER SPECIFICATIONS; REF: 8/L590
- RAIN BIRD RAIN/FREEZE SENSOR. INSTALLED PER SPECIFICATIONS. FINAL LOCATION TO BE APPROVED BY LANDSCAPE ARCHITECT.; REF: 5/L591
- IVM SENSOR DEVICE; REF: 5/L591
- SURGE PROTECTOR. RAIN BIRD IVM-SD LINE SURGE PROTECTION PER SPECIFICATIONS; REF: 11/L590
- PLANTER DRIPLINE LAYOUT; REF: 9/L591
- RAINBIRD ROOT WATERING SYSTEM; REF: 2/L590
- 12"x12" PX STYLE QUARTZITE JUNCTION BOX FOR IRRIGATION SYSTEM CONTROL WIRE. SUBMIT PRODUCT FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ORDERING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. ALIGN BOX TO HARDSCAPE AND JOINT SCORING.
- TREE DRIPLINE LAYOUT; REF: 10/L591
- IRRIGATION SYSTEM 2-WIRE COMMUNICATION TERMINUS. IRRIGATION CONTRACTOR SHALL TERMINATE MAINLINE AND CONTROL WIRE IN VALVE BOX. MAINLINE SHALL TERMINATE WITH MANUAL DRAIN VALVE. CONTROL WIRE SHALL TERMINATE WITH FIVE FEET OF CONTROL WIRE COILED IN VALVE BOX.

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816 842 8844 olsson-studio.com

STATE OF MISSOURI
KOREY P SCHULZ
NUMBER 02200393
12-22-2023

IRRIGATION PLAN

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET
LEE'S SUMMIT, MISSOURI

drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing no.: L_IRR01_02200393
date: 12/22/2023

SHEET
L502

| REV | NO | DATE | REVISIONS DESCRIPTION | BY |
|-----|----|------------|-----------------------|----|
| 1 | 1 | 12-22-2023 | ADDENDUM #1 | |

REVISIONS

2023

DWG: F:\2022\00001-00500\022-00393\40-design\AutoCAD\final plans\022-00393\IRR01_02200393.dwg
DATE: Dec 21, 2023 11:21am XREFS: L_PTBK_02200393 C_XBASE_02200393 V_XBNDY_02200393 C_PSURF_02200393 A_PBASE_02200393 L_ARCH_BLDG_RETAIL_02200393 L_ARCH_BLDG_GARAGE_02200393 L_ARCH_BLDG_HOTEL
USER: tvevthia C_PUTIL_02200393

IRRIGATION PLAN NOTES:

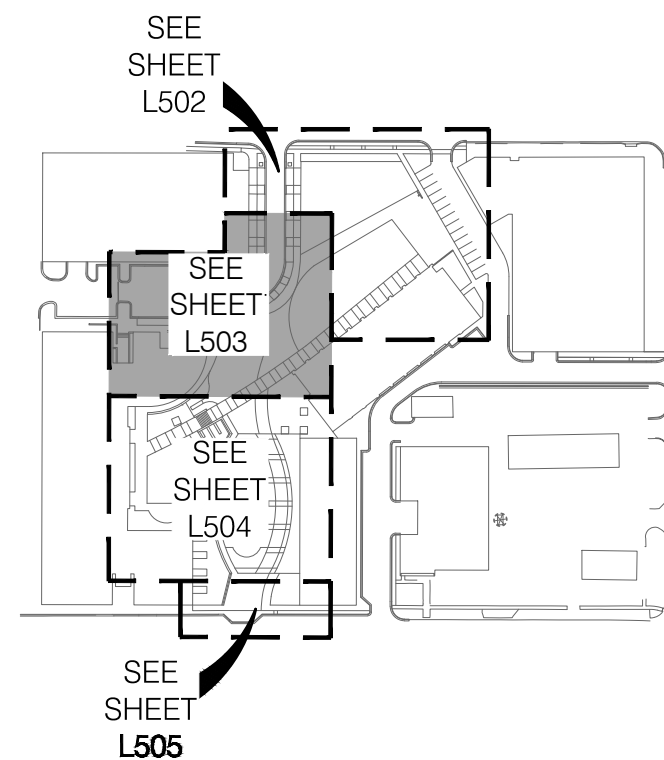
- POTABLE WATER IRRIGATION MAINLINES TO BE 2" PVC PIPE OR AS SHOWN ON PLANS; REF: 4/L591
- POTABLE WATER IRRIGATION LATERALS TO BE 1" PVC PIPE OR AS SHOWN ON PLANS; REF: 4/L591
- POTABLE WATER IRRIGATION LATERAL SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- POTABLE WATER IRRIGATION MAINLINE SLEEVES SHALL BE 6" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- IRRIGATION CONTROL WIRE SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- IRRIGATION CONTROLLER SHALL BE RAIN BIRD ESP-LXIVM MODULAR SERIES WALL MOUNTED CONTROLLER. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ELECTRICAL SERVICE TO THE CONTROLLER LOCATION IS TO BE COORDINATED BY THE GENERAL CONTRACTOR AND PROVIDED BY ELECTRICAL CONTRACTOR. POWER HOOK-UP TO THE CONTROLLER BY IRRIGATION CONTRACTOR. INSTALL CONTROLLER PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.; REF: 7/L591
- IRRIGATION POINT OF CONNECTION. IRRIGATION CONTRACTOR SHALL CONNECT IRRIGATION MAINLINE TO WATER SUPPLY AS REQUIRED BY ALL CITY, COUNTY, OR STATE REGULATIONS. IRRIGATION TAP SHALL OCCUR AFTER METER AND BACKFLOW PREVENTER PROVIDED BY GENERAL CONTRACTOR. REF: 5/L591
- 2" RAIN BIRD MODEL MASTER VALVE CONNECTED TO POTABLE IRRIGATION MAINLINE AFTER IRRIGATION POINT OF CONNECTION, METER, AND BACKFLOW PREVENTER.; REF: 10/L590
- IRRIGATION WATER METER; REF: SPECIFICATIONS
- BACKFLOW PREVENTER; REF: SPECIFICATIONS
- RAIN BIRD PE-IVM MODEL CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES. REFERENCE IRRIGATION SCHEDULE FOR SIZE, FLOW, AND PRESSURE REQUIREMENTS.; REF: 8/L590
- RAIN BIRD XCZ-100-IVM-Q DRIP CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES.; REF: 9/L590
- QUICK COUPLER VALVE LOCATED ON POTABLE WATER SHALL BE RAIN BIRD 44RC WITH YELLOW CAP LOCATED IN 10" ROUND VALVE BOX.; REF: 1/L591
- INSTALL MANUAL GATE VALVE IN LOCATIONS INDICATED ON IRRIGATION MAINLINES. MANUAL GATE VALVE TO MATCH SIZE OF MAINLINE PIPE.; REF: 3/L591
- RAIN BIRD SERIES FLOW SENSOR, PER SPECIFICATIONS; REF: 8/L590
- RAIN BIRD RAIN/FREEZE SENSOR. INSTALLED PER SPECIFICATIONS. FINAL LOCATION TO BE APPROVED BY LANDSCAPE ARCHITECT.; REF: 5/L591
- IVM SENSOR DEVICE; REF: 5/L591
- SURGE PROTECTOR. RAIN BIRD IVM-SD LINE SURGE PROTECTION PER SPECIFICATIONS; REF: 11/L590
- PLANTER DRIPLINE LAYOUT; REF: 9/L591
- RAINBIRD ROOT WATERING SYSTEM; REF: 2/L590
- 12"X12" PX STYLE QUAZITE JUNCTION BOX FOR IRRIGATION SYSTEM CONTROL WIRE. SUBMIT PRODUCT FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ORDERING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. ALIGN BOX TO HARDSCAPE AND JOINT SCORING.
- TREE DRIPLINE LAYOUT; REF: 10/L591
- IRRIGATION SYSTEM 2-WIRE COMMUNICATION TERMINUS. IRRIGATION CONTRACTOR SHALL TERMINATE MAINLINE AND CONTROL WIRE IN VALVE BOX. MAINLINE SHALL TERMINATE WITH MANUAL DRAIN VALVE. CONTROL WIRE SHALL TERMINATE WITH FIVE FEET OF CONTROL WIRE COILED IN VALVE BOX.

PARKING GARAGE

PAD SITE 2

CITY HALL

FARMER'S MARKET



KEYMAP

IRRIGATION LEGEND:

- LIMITS OF CONSTRUCTION
- RIGHT OF WAY / PROPERTY LINE
- SHEET MATCHLINE
- FULL CIRCLE SPRAY HEAD; REF: 1/L590
- THREE QUARTER CIRCLE SPRAY HEAD; REF: 1/L590
- HALF CIRCLE SPRAY HEAD; REF: 1/L590
- ONE THIRD CIRCLE SPRAY HEAD; REF: 1/L590
- QUARTER CIRCLE SPRAY HEAD; REF: 1/L590
- ROOTWATERING SYSTEM; REF: 2/L590
- POTABLE WATER SERVICE LINE
- EXISTING MAINLINE
- MAINLINE, SIZE AS SHOWN; REF: 4/L591
- LATERAL PIPE, SIZE AS SHOWN; REF: 4/L591
- LANDSCAPE PLANTING BED DRIPLINE; REF: 3, 4, 5, 6, 7 & 9/L590
- PLANTER OR TREE DRIPLINE LAYOUT
- SCHEDULE 40 PVC SLEEVE
- IRRIGATION WATER METER; REF: SPECIFICATIONS
- BACKFLOW PREVENTER; REF: SPECIFICATIONS
- IRRIGATION POINT OF CONNECTION
- MASTER CONTROL VALVE
- ZONE CONTROL VALVE
- MANUAL GATE VALVE
- QUICK COUPLER VALVE
- FLOW SENSOR
- AUTOMATIC CONTROLLER
- RAIN/FREEZE SENSOR
- IVM - SENSOR DEVICE
- SURGE PROTECTOR
- MAINLINE / CONTROL WIRE TERMINUS
- CONTROL WIRE JUNCTION BOX

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
12-22-2023
12-22-2023

BY

REV. NO. 1

DATE 12-22-2023

REVISIONS DESCRIPTION

ADDENDUM #1

REVISIONS

2023

IRRIGATION PLAN

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MISSOURI

drawn by: TS/TGEW

checked by: DV

approved by: KPS

QA/QC by: BM

project no.: 022-00393

drawing no.: IRR01_02200393

date: 12/22/2023

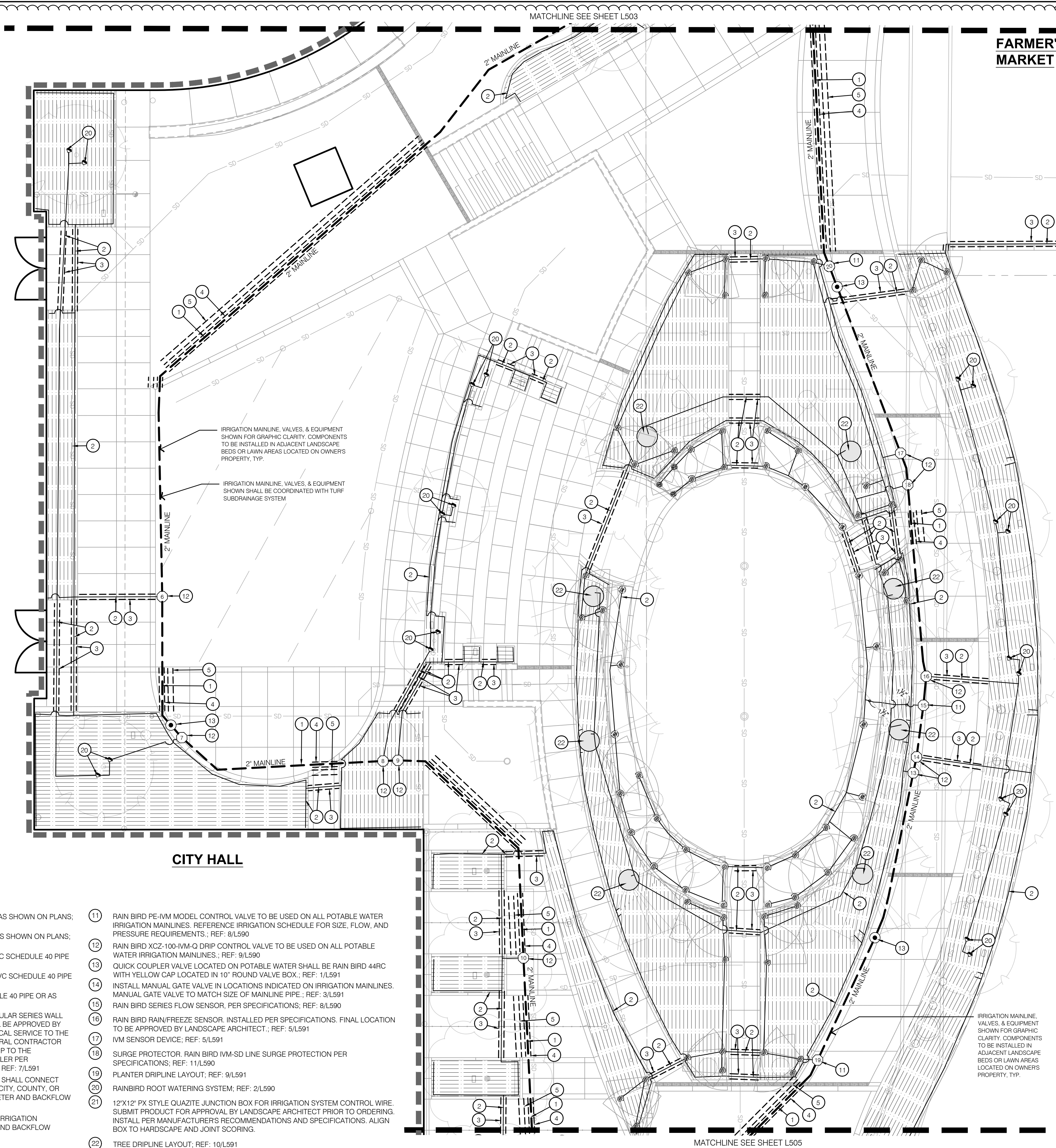
SHEET

L503

IRRIGATION PLAN NOTES:

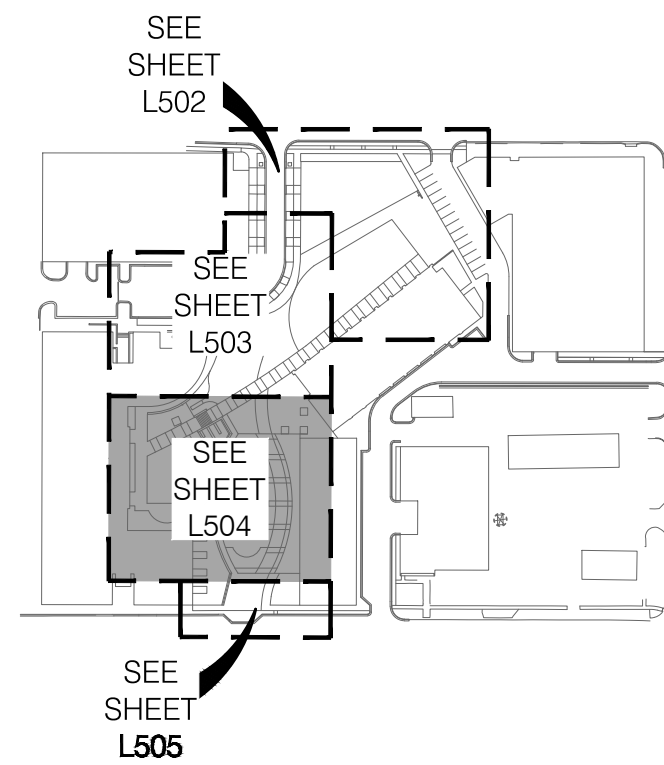
- POTABLE WATER IRRIGATION MAINLINES TO BE 2" PVC PIPE OR AS SHOWN ON PLANS; REF: 4/L591
- POTABLE WATER IRRIGATION LATERALS TO BE 1" PVC PIPE OR AS SHOWN ON PLANS; REF: 4/L591
- POTABLE WATER IRRIGATION LATERAL SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- POTABLE WATER IRRIGATION MAINLINE SLEEVES SHALL BE 6" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- IRRIGATION CONTROL WIRE SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS.
- IRRIGATION CONTROLLER SHALL BE RAIN BIRD ESP-LXIVM MODULAR SERIES WALL MOUNTED CONTROLLER. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ELECTRICAL SERVICE TO THE CONTROLLER LOCATION IS TO BE COORDINATED BY THE GENERAL CONTRACTOR AND PROVIDED BY ELECTRICAL CONTRACTOR. POWER HOOK-UP TO THE CONTROLLER BY IRRIGATION CONTRACTOR. INSTALL CONTROLLER PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.; REF: 7/L591
- IRRIGATION POINT OF CONNECTION. IRRIGATION CONTRACTOR SHALL CONNECT IRRIGATION MAINLINE TO WATER SUPPLY AS REQUIRED BY ALL CITY, COUNTY, OR STATE REGULATIONS. IRRIGATION TAP SHALL OCCUR AFTER METER AND BACKFLOW PREVENTER PROVIDED BY GENERAL CONTRACTOR. REF: 5/L591
- 2" RAIN BIRD MODEL MASTER VALVE CONNECTED TO POTABLE IRRIGATION MAINLINE AFTER IRRIGATION POINT OF CONNECTION, METER, AND BACKFLOW PREVENTER.; REF: 10/L590
- IRRIGATION WATER METER; REF: SPECIFICATIONS
- BACKFLOW PREVENTER; REF: SPECIFICATIONS

- RAIN BIRD PE-IVM MODEL CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES. REFERENCE IRRIGATION SCHEDULE FOR SIZE, FLOW, AND PRESSURE REQUIREMENTS.; REF: 8/L590
- RAIN BIRD XCZ-100-IVM-Q DRIP CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES.; REF: 9/L590
- QUICK COUPLER VALVE LOCATED ON POTABLE WATER SHALL BE RAIN BIRD 44RC WITH YELLOW CAP LOCATED IN 10" ROUND VALVE BOX.; REF: 1/L591
- INSTALL MANUAL GATE VALVE IN LOCATIONS INDICATED ON IRRIGATION MAINLINES. MANUAL GATE VALVE TO MATCH SIZE OF MAINLINE PIPE.; REF: 3/L591
- RAIN BIRD SERIES FLOW SENSOR, PER SPECIFICATIONS; REF: 8/L590
- RAIN BIRD RAIN/FREEZE SENSOR. INSTALLED PER SPECIFICATIONS. FINAL LOCATION TO BE APPROVED BY LANDSCAPE ARCHITECT.; REF: 5/L591
- IVM SENSOR DEVICE; REF: 5/L591
- SURGE PROTECTOR. RAIN BIRD IVM-SD LINE SURGE PROTECTION PER SPECIFICATIONS; REF: 11/L590
- PLANTER DRIPLINE LAYOUT; REF: 9/L591
- RAINBIRD ROOT WATERING SYSTEM; REF: 2/L590
- 12"X12" PX STYLE QUAZITE JUNCTION BOX FOR IRRIGATION SYSTEM CONTROL WIRE. SUBMIT PRODUCT FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ORDERING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. ALIGN BOX TO HARDSCAPE AND JOINT SCORING.
- TREE DRIPLINE LAYOUT; REF: 10/L591
- IRRIGATION SYSTEM 2-WIRE COMMUNICATION TERMINUS. IRRIGATION CONTRACTOR SHALL TERMINATE MAINLINE AND CONTROL WIRE IN VALVE BOX. MAINLINE SHALL TERMINATE WITH MANUAL DRAIN VALVE. CONTROL WIRE SHALL TERMINATE WITH FIVE FEET OF CONTROL WIRE COILED IN VALVE BOX



IRRIGATION LEGEND:

- LIMITS OF CONSTRUCTION
- RIGHT OF WAY / PROPERTY LINE
- SHEET MATCHLINE
- FULL CIRCLE SPRAY HEAD; REF: 1/L590
- THREE QUARTER CIRCLE SPRAY HEAD; REF: 1/L590
- HALF CIRCLE SPRAY HEAD; REF: 1/L590
- ONE THIRD CIRCLE SPRAY HEAD; REF: 1/L590
- QUARTER CIRCLE SPRAY HEAD; REF: 1/L590
- ROOTWATERING SYSTEM; REF: 2/L590
- POTABLE WATER SERVICE LINE
- EXISTING MAINLINE
- MAINLINE, SIZE AS SHOWN; REF: 4/L591
- LATERAL PIPE, SIZE AS SHOWN; REF: 4/L591
- LANDSCAPE PLANTING BED DRIPLINE; REF: 3, 4, 5, 6, 7 & 9/L590
- PLANTER OR TREE DRIPLINE LAYOUT
- SCHEDULE 40 PVC SLEEVE
- IRRIGATION WATER METER; REF: SPECIFICATIONS
- BACKFLOW PREVENTER; REF: SPECIFICATIONS
- IRRIGATION POINT OF CONNECTION
- MASTER CONTROL VALVE
- ZONE CONTROL VALVE
- MANUAL GATE VALVE
- QUICK COUPLER VALVE
- FLOW SENSOR
- AUTOMATIC CONTROLLER
- RAIN/FREEZE SENSOR
- IVM - SENSOR DEVICE
- SURGE PROTECTOR
- MAINLINE / CONTROL WIRE TERMINUS
- CONTROL WIRE JUNCTION BOX



KEYMAP

1 IRRIGATION PLAN

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844 olsson-studio.com

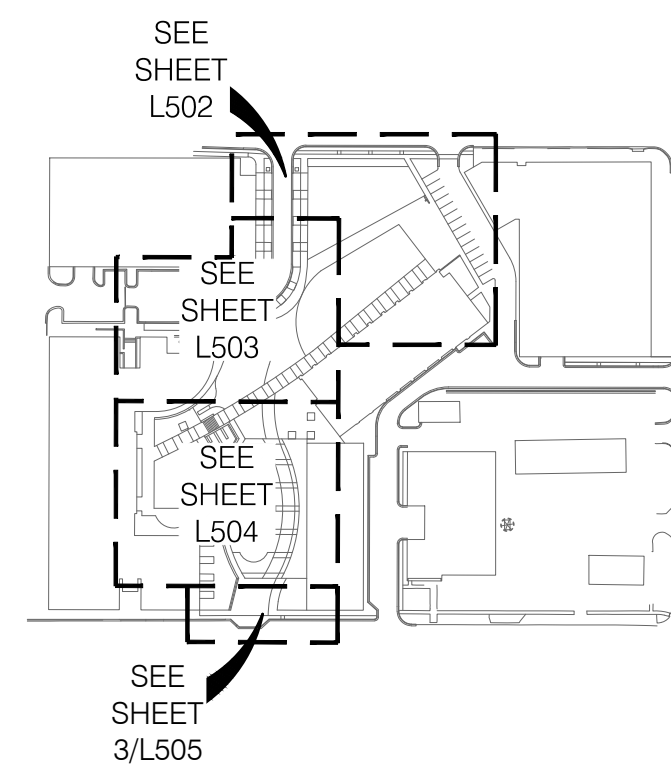
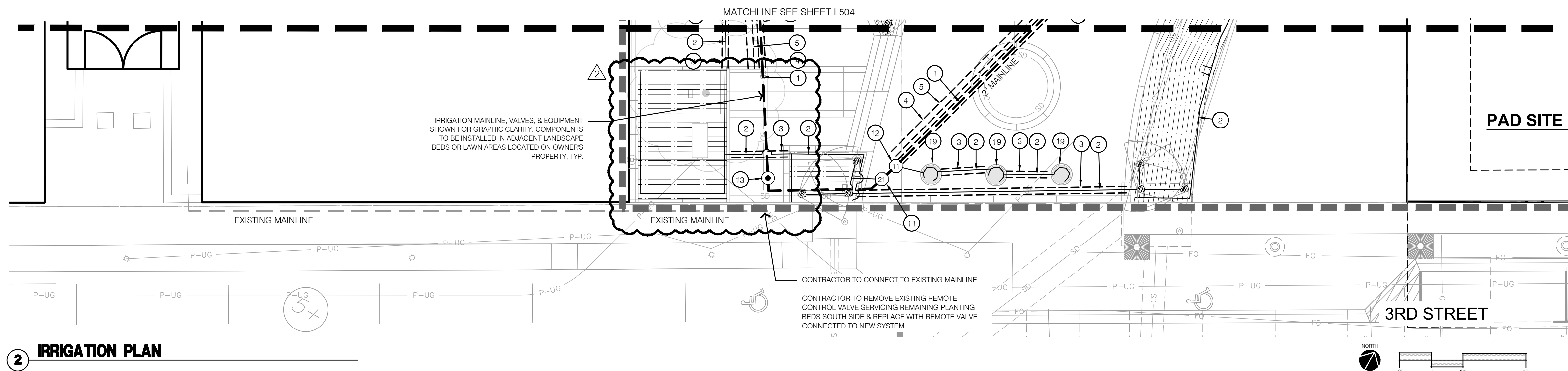
STATE OF MISSOURI
KOREY P. SCHULZ
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
NUMBER 000000006
12-22-2023

BY
REV. NO. 1
DATE 12-22-2023
REVISIONS DESCRIPTION
ADDENDUM #1

IRRIGATION PLAN
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET
LEE'S SUMMIT, MISSOURI
2023

drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing no.: L_IRR01_02200393
date: 12/22/2023

SHEET
L504



KEYMAP

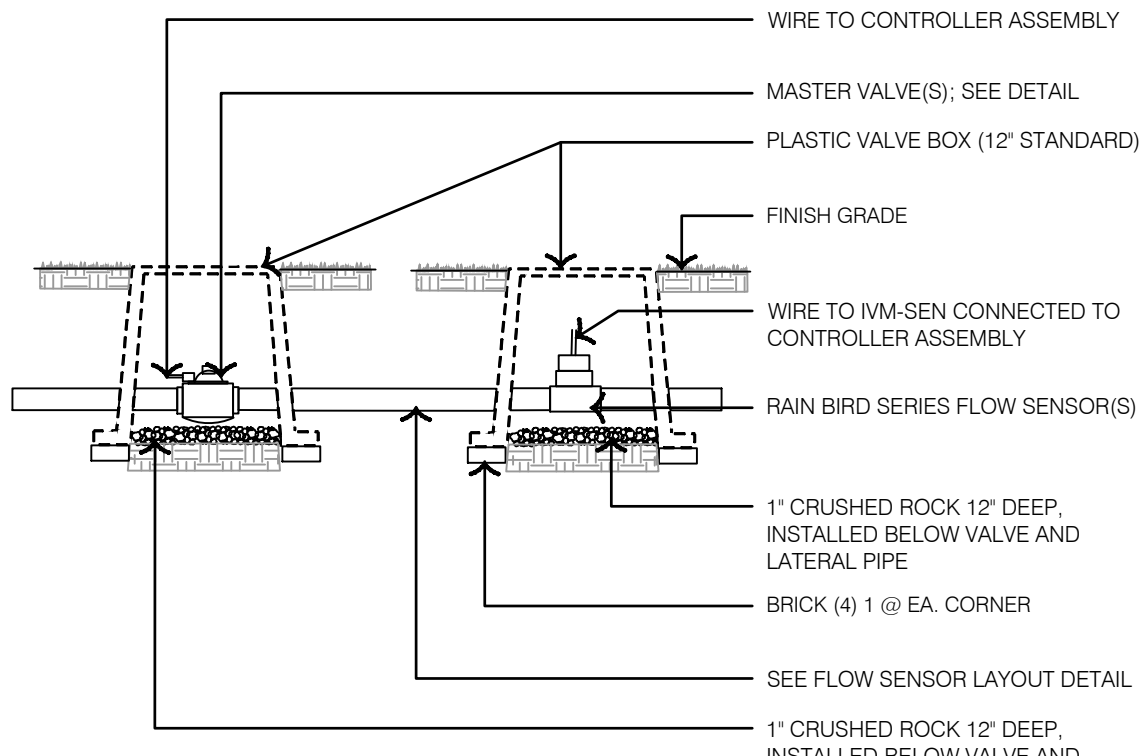
IRRIGATION LEGEND:

| | |
|--|--|
| | LIMITS OF CONSTRUCTION |
| | RIGHT OF WAY / PROPERTY LINE |
| | SHEET MATCHLINE |
| | FULL CIRCLE SPRAY HEAD; REF: 1/L590 |
| | THREE QUARTER CIRCLE SPRAY HEAD; REF: 1/L590 |
| | HALF CIRCLE SPRAY HEAD; REF: 1/L590 |
| | ONE THIRD CIRCLE SPRAY HEAD; REF: 1/L590 |
| | QUARTER CIRCLE SPRAY HEAD; REF: 1/L590 |
| | ROOTWATERING SYSTEM; REF: 2/L590 |
| | POTABLE WATER SERVICE LINE |
| | EXISTING MAINLINE |
| | MAINLINE, SIZE AS SHOWN; REF: 4/L591 |
| | LATERAL PIPE, SIZE AS SHOWN; REF: 4/L591 |
| | LANDSCAPE PLANTING BED DRIPLINE; REF: 3, 4, 5, 6, 7 & 9/L590 |
| | PLANTER OR TREE DRIPLINE LAYOUT |
| | SCHEDULE 40 PVC SLEEVE |
| | IRRIGATION WATER METER; REF: SPECIFICATIONS |
| | BACKFLOW PREVENTER; REF: SPECIFICATIONS |
| | IRRIGATION POINT OF CONNECTION |
| | MASTER CONTROL VALVE |
| | ZONE CONTROL VALVE |
| | MANUAL GATE VALVE |
| | QUICK COUPLER VALVE |
| | FLOW SENSOR |
| | AUTOMATIC CONTROLLER |
| | RAIN/FREEZE SENSOR |
| | IVM - SENSOR DEVICE |
| | SURGE PROTECTOR |
| | MAINLINE / CONTROL WIRE TERMINUS |
| | CONTROL WIRE JUNCTION BOX |

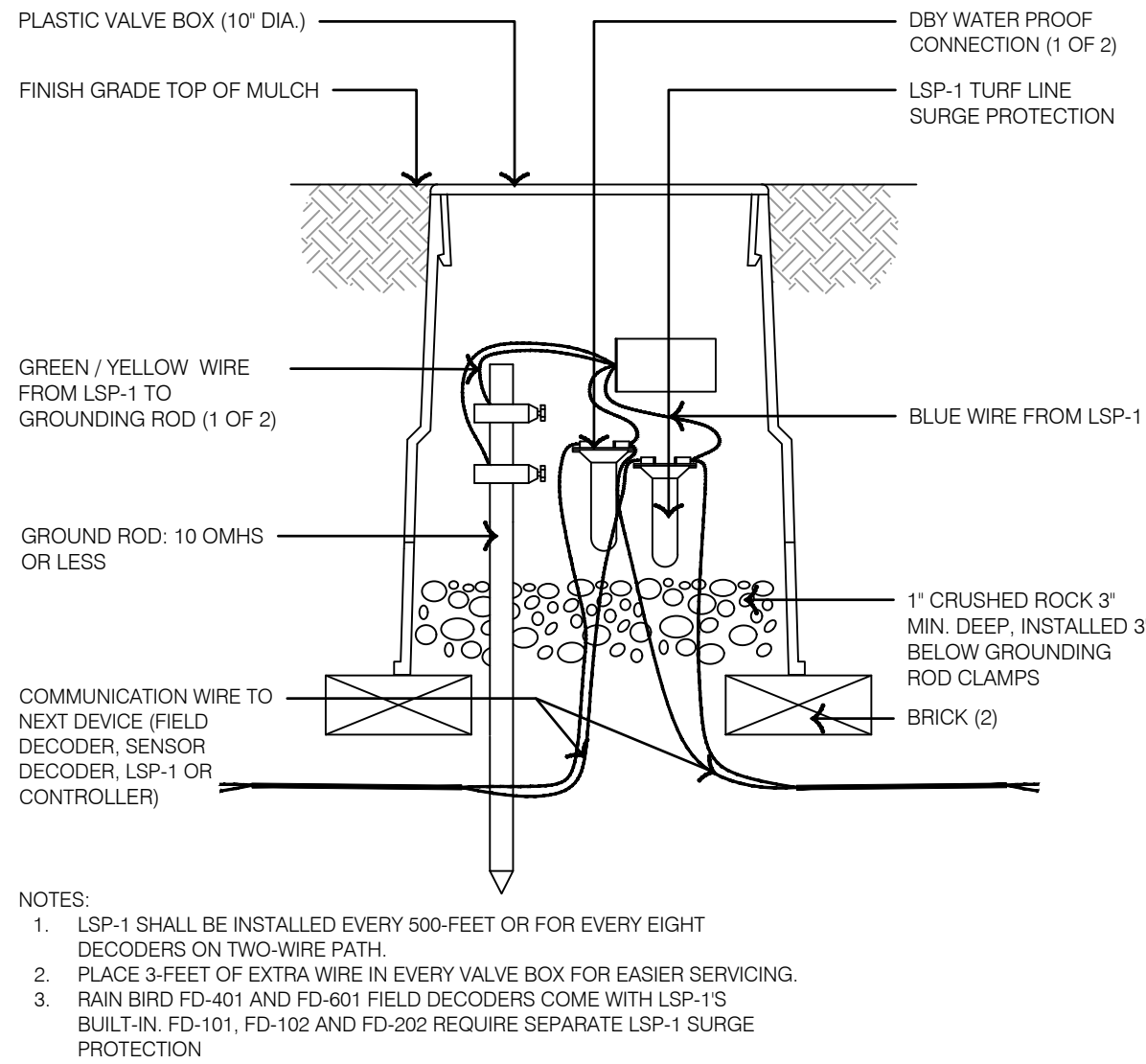
IRRIGATION PLAN NOTES:

- | | | | |
|----|--|----|---|
| 1 | POTABLE WATER IRRIGATION MAINLINES TO BE 2" PVC PIPE OR AS SHOWN ON PLANS; REF: 4/L591 | 12 | RAIN BIRD XCC-100-IVM-Q DRIP CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES; REF: 9/L590 |
| 2 | POTABLE WATER IRRIGATION LATERALS TO BE 1" PVC PIPE OR AS SHOWN ON PLANS; REF: 4/L591 | 13 | QUICK COUPLER VALVE LOCATED ON POTABLE WATER SHALL BE RAIN BIRD 44RC WITH YELLOW CAP LOCATED IN 10" ROUND VALVE BOX; REF: 1/L591 |
| 3 | POTABLE WATER IRRIGATION LATERAL SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS | 14 | INSTALL MANUAL GATE VALVE IN LOCATIONS INDICATED ON IRRIGATION MAINLINES; MANUAL GATE VALVE TO MATCH SIZE OF MAINLINE PIPE; REF: 3/L591 |
| 4 | POTABLE WATER IRRIGATION MAINLINE SLEEVES SHALL BE 6" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS | 15 | RAIN BIRD SERIES FLOW SENSOR, PER SPECIFICATIONS; REF: 8/L590 |
| 5 | IRRIGATION CONTROL WIRE SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON THE PLANS | 16 | RAIN BIRD RAIN/FREEZE SENSOR: INSTALLED PER SPECIFICATIONS. FINAL LOCATION TO BE APPROVED BY LANDSCAPE ARCHITECT; REF: 5/L591 |
| 6 | IRRIGATION CONTROLLER SHALL BE RAIN BIRD ESP-LXIVM MODULAR SERIES WALL MOUNTED CONTROLLER. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ELECTRICAL SERVICE TO THE CONTROLLER LOCATION IS TO BE COORDINATED BY THE GENERAL CONTRACTOR AND PROVIDED BY ELECTRICAL CONTRACTOR. POWER HOOK-UP TO THE CONTROLLER BY IRRIGATION CONTRACTOR. INSTALL CONTROLLER PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS; REF: 7/L591 | 17 | IVM SENSOR DEVICE; REF: 5/L591 |
| 7 | IRRIGATION POINT OF CONNECTION. IRRIGATION CONTRACTOR SHALL CONNECT IRRIGATION MAINLINE TO WATER SUPPLY AS REQUIRED BY ALL CITY, COUNTY, OR STATE REGULATIONS. IRRIGATION TAP SHALL OCCUR AFTER METER AND BACKFLOW PREVENTER PROVIDED BY GENERAL CONTRACTOR. REF: 5/L591 | 18 | SURGE PROTECTOR. RAIN BIRD IVM-SD LINE SURGE PROTECTION PER SPECIFICATIONS; REF: 11/L590 |
| 8 | 2" RAIN BIRD MODEL MASTER VALVE CONNECTED TO POTABLE IRRIGATION MAINLINE AFTER IRRIGATION POINT OF CONNECTION, METER, AND BACKFLOW PREVENTER; REF: 10/L590 | 19 | PLANTER DRIPLINE LAYOUT; REF: 9/L591 |
| 9 | IRRIGATION WATER METER; REF: SPECIFICATIONS | 20 | RAINBIRD ROOT WATERING SYSTEM; REF: 2/L590 |
| 10 | BACKFLOW PREVENTER; REF: SPECIFICATIONS | 21 | 12X12" PX STYLE QUAZITE JUNCTION BOX FOR IRRIGATION SYSTEM CONTROL WIRE. SUBMIT PRODUCT FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ORDERING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. ALIGN BOX TO HARDCAPE AND JOINT SCORING. |
| 11 | RAIN BIRD PE-IVM MODEL CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES. REFERENCE IRRIGATION SCHEDULE FOR SIZE, FLOW, AND PRESSURE REQUIREMENTS; REF: 8/L590 | 22 | TREE DRIPLINE LAYOUT; REF: 10/L591 |
| | | 23 | IRRIGATION SYSTEM 2-WIRE COMMUNICATION TERMINUS. IRRIGATION CONTRACTOR SHALL TERMINATE MAINLINE AND CONTROL WIRE IN VALVE BOX. MAINLINE SHALL TERMINATE WITH MANUAL DRAIN VALVE. CONTROL WIRE SHALL TERMINATE WITH FIVE FEET OF CONTROL WIRE COILED IN VALVE BOX. |

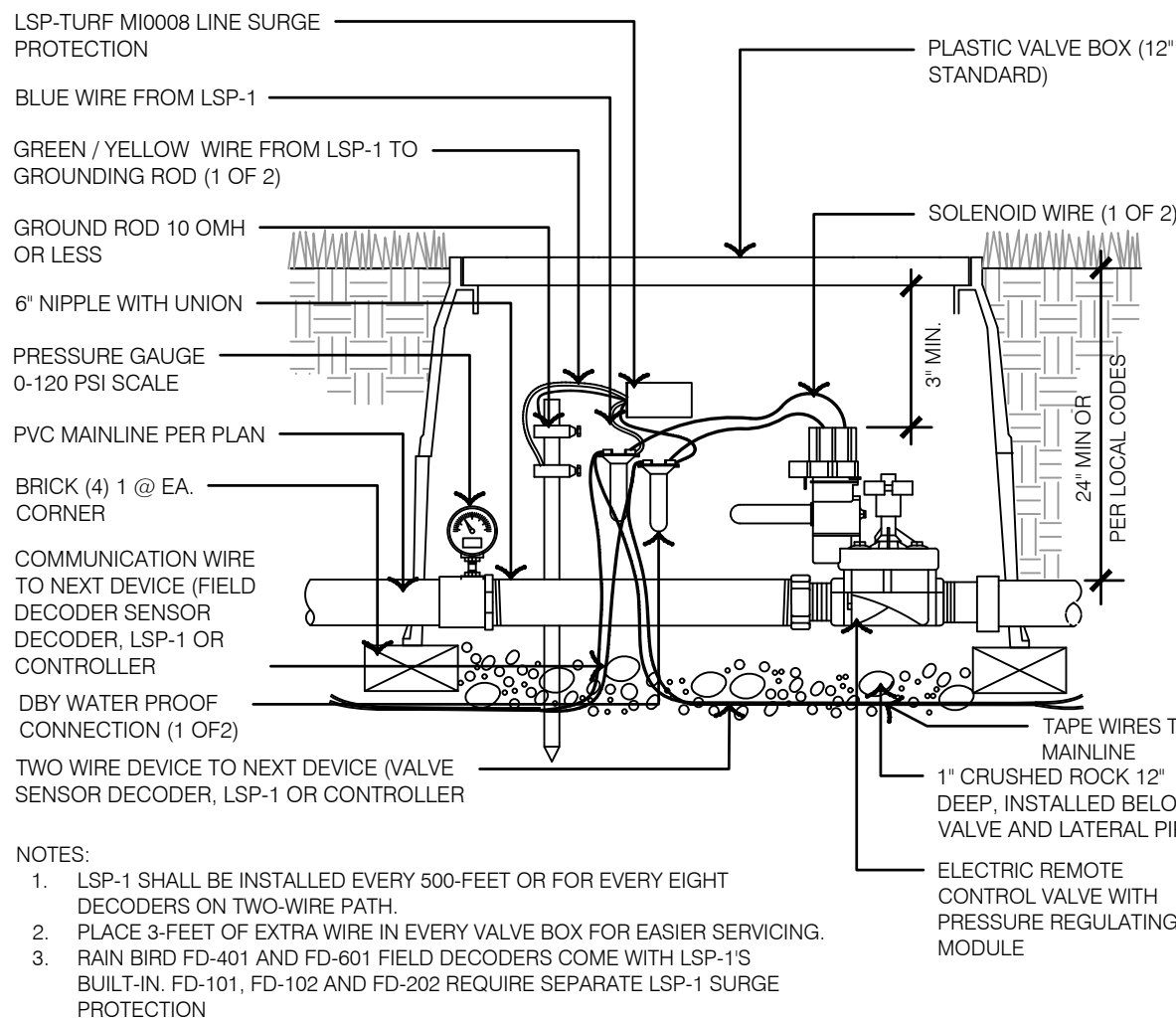
DWG: F:\2022\00001-00500\022-00393\40-design\AutoCAD\final plans\Sheet\OSTU\IRR_DTL01_02200393.dwg USER: tsvehla
DATE: Dec 21, 2023 11:24am XREFS: L_PTBK_02200393 DET-TYPICAL_IRR_02200393 L_PRRG_02200393



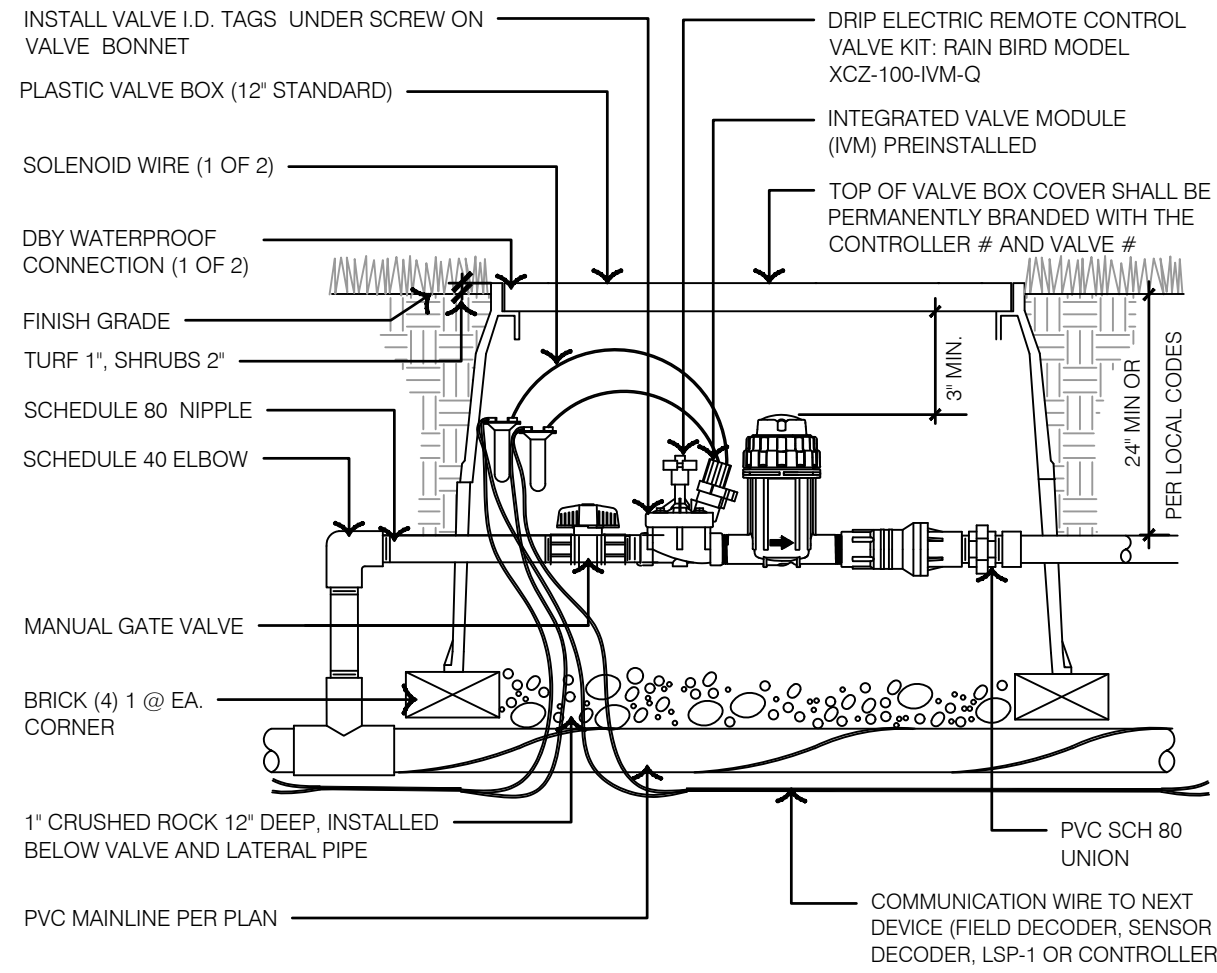
12 MASTER VALVE & FLOW SENSOR TYPICAL POTABLE WATER



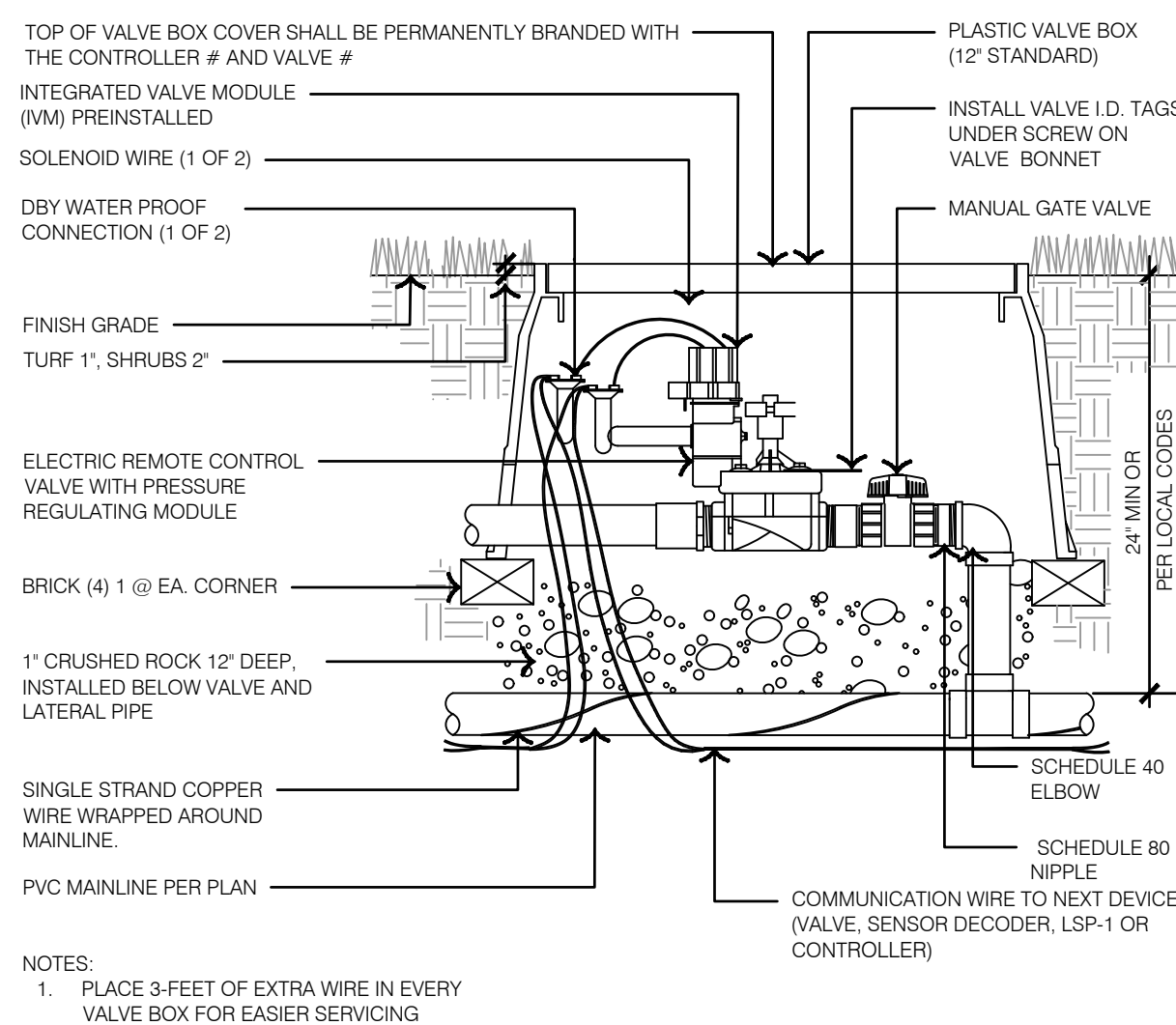
11 LINE SURGE PROTECTION



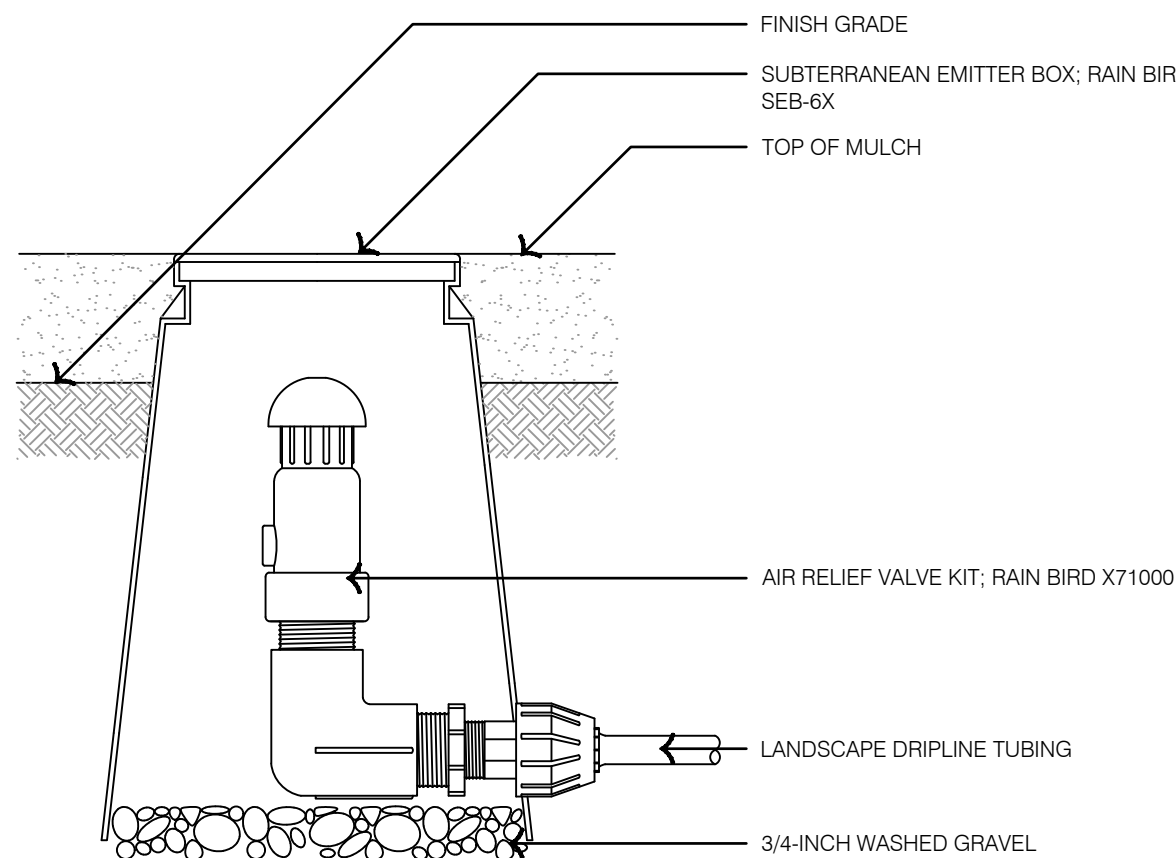
10 MASTER VALVE - POTABLE WATER



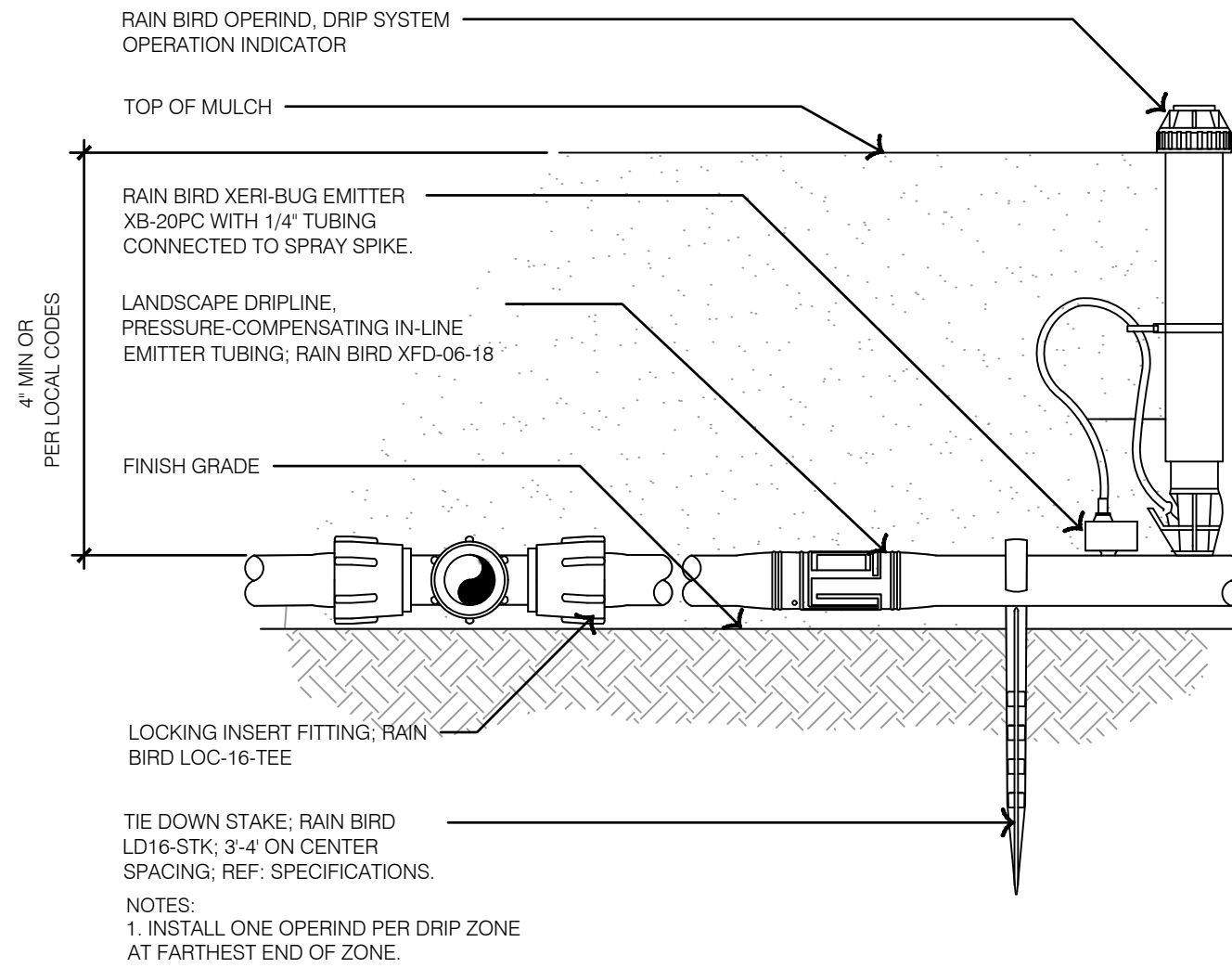
9 DRIP REMOTE CONTROL VALVE - POTABLE WATER



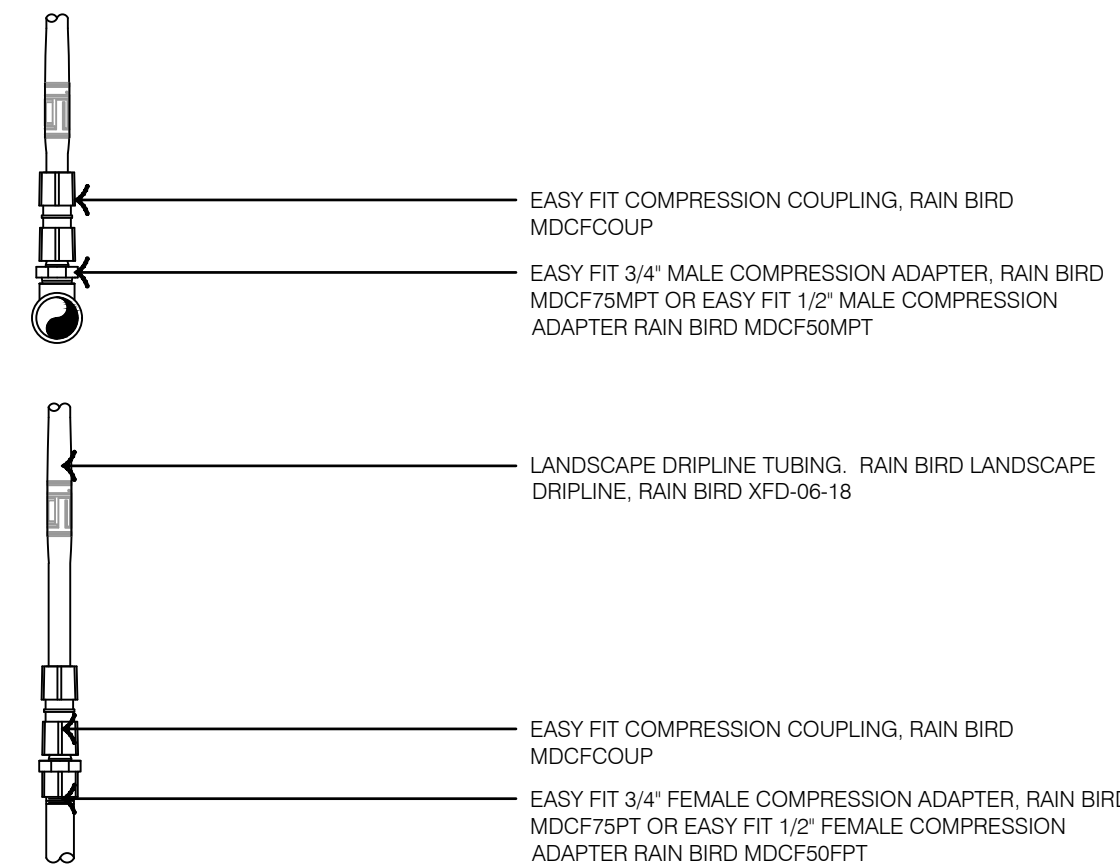
8 REMOTE CONTROL VALVE - POTABLE WATER



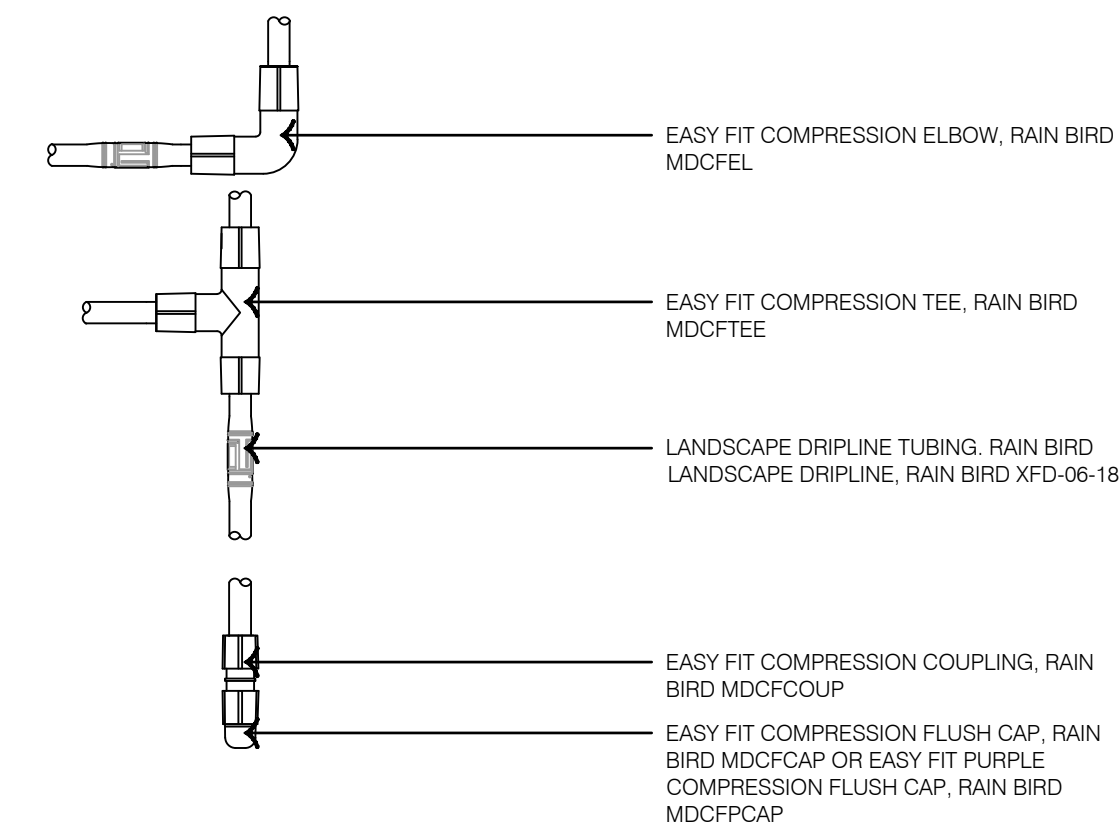
7 LANDSCAPE DRIPLINE AIR VALVE KIT - POTABLE WATER



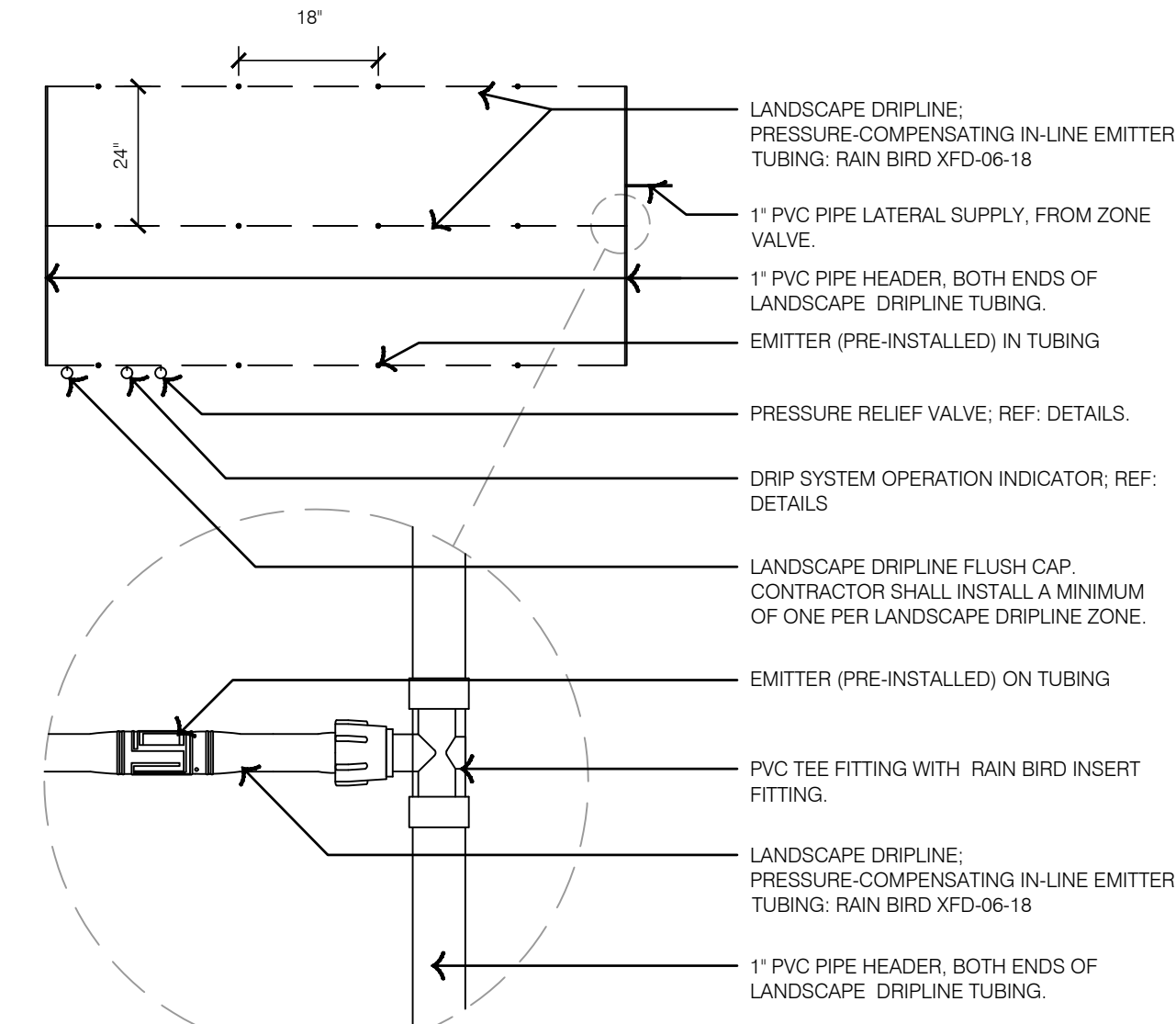
6 LANDSCAPE DRIPLINE CONNECTION - POTABLE WATER



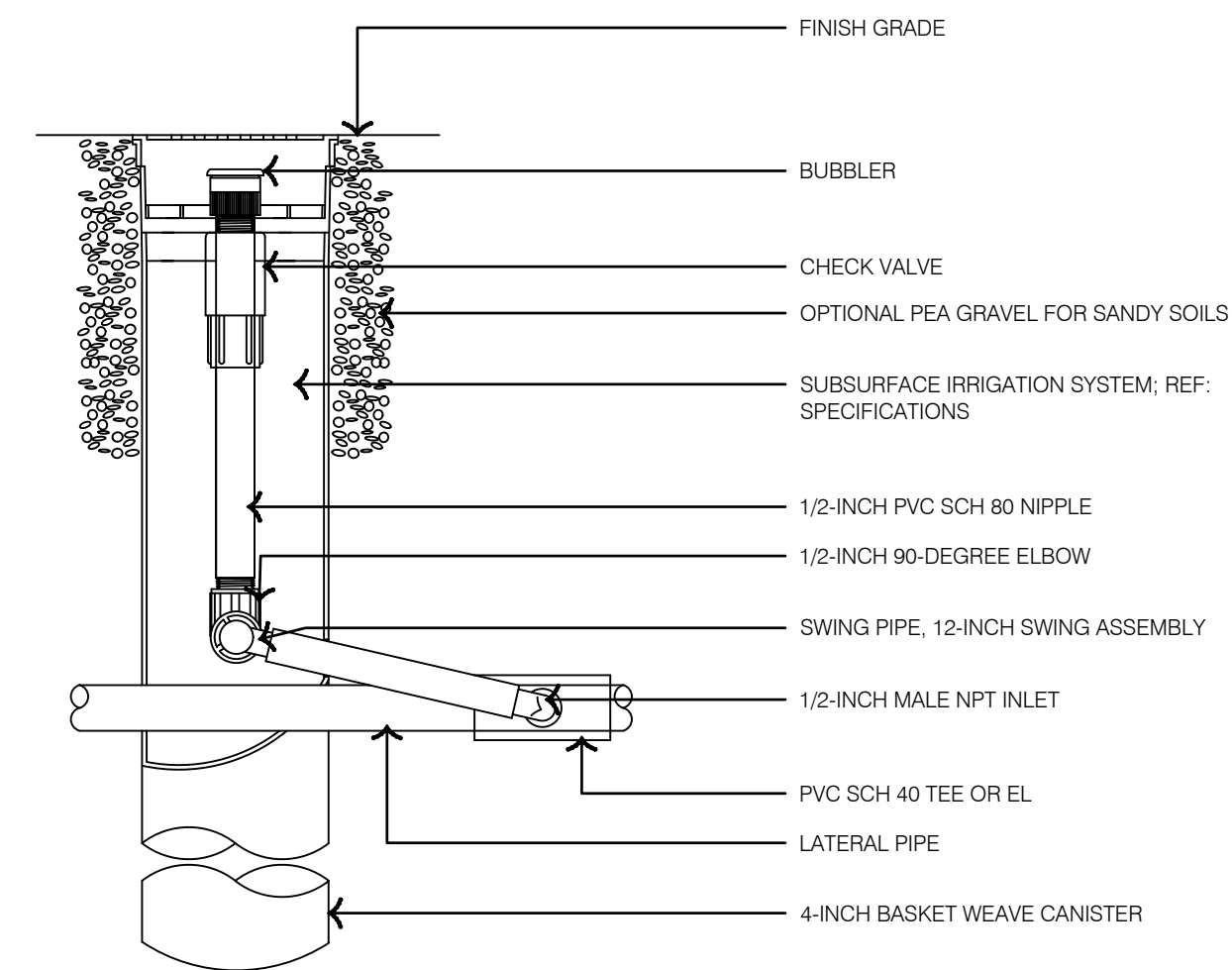
5 LANDSCAPE DRIPLINE EASY FIT COMPRESSION ADAPTERS POTABLE WATER



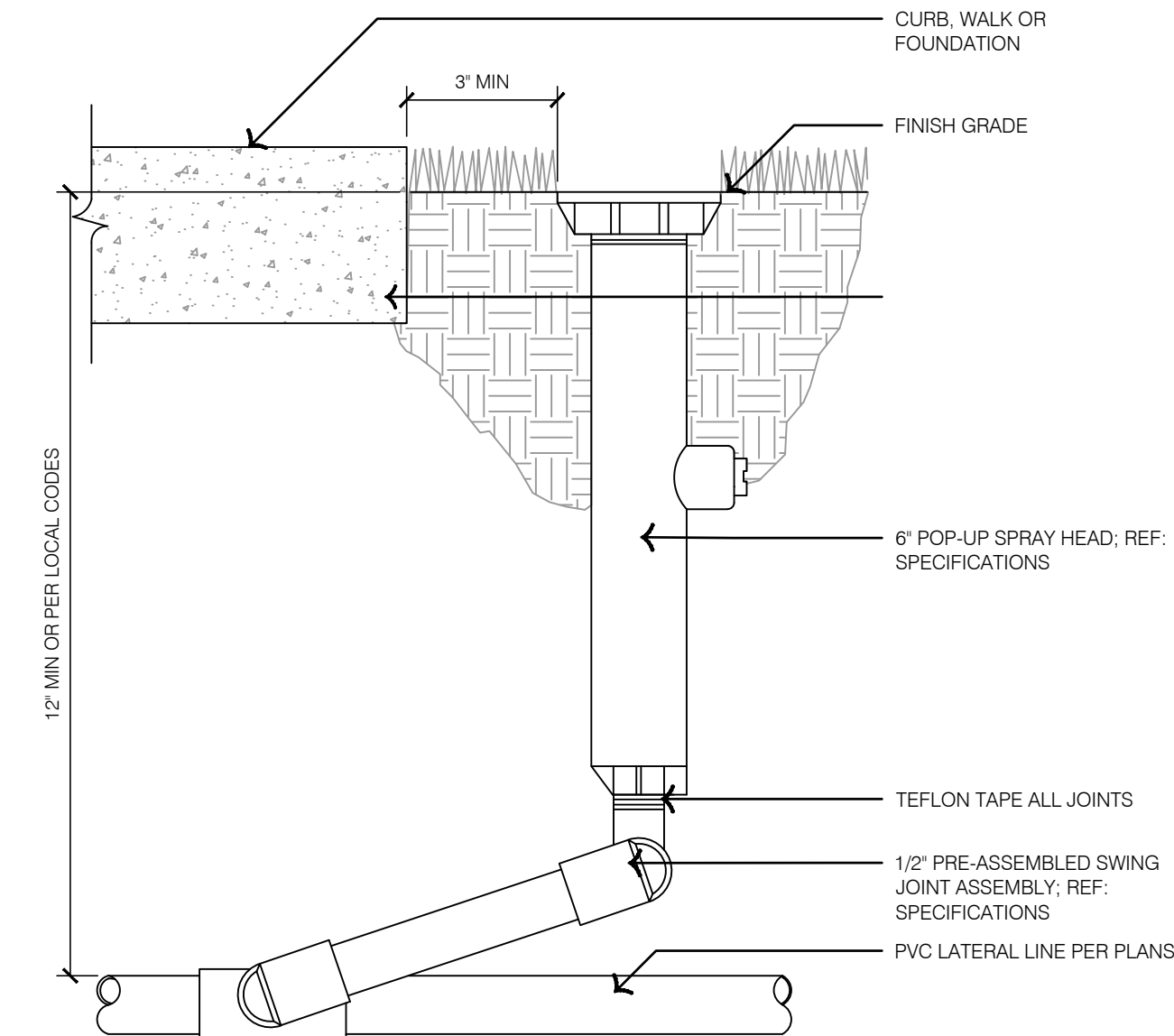
4 LANDSCAPE DRIPLINE EASY FIT COMPRESSION FITTINGS POTABLE WATER



3 LANDSCAPE DRIPLINE LAYOUT TYPICAL - POTABLE WATER



2 ROOT WATERING SYSTEM - POTABLE WATER



1 6 IN. POP-UP SPRAY HEAD - POTABLE WATER

olsson studio

OLSSON - LANDSCAPE ARCHITECTURE
MO CERTIFICATE OF AUTHORITY # 2005000285
1814 Main St.
Kansas City, MO 64108 TEL 816.842.8844
olsson-studio.com

STATE OF MISSOURI
KOREY P. SCHULZ
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
NUMBER 000000005
12-22-2023

BY
REV. NO. 1
DATE 12-22-2023
ADENDUM #1

REVISIONS

IRRIGATION DETAILS
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET
LEE'S SUMMIT, MISSOURI

2023

drawn by: TS/TG/EW
checked by: DV
approved by: KPS
QA/QC by: BM
project no.: 022-00393
drawing # IRR_DTL01_02200393
date: 12/22/2023

SHEET
L590

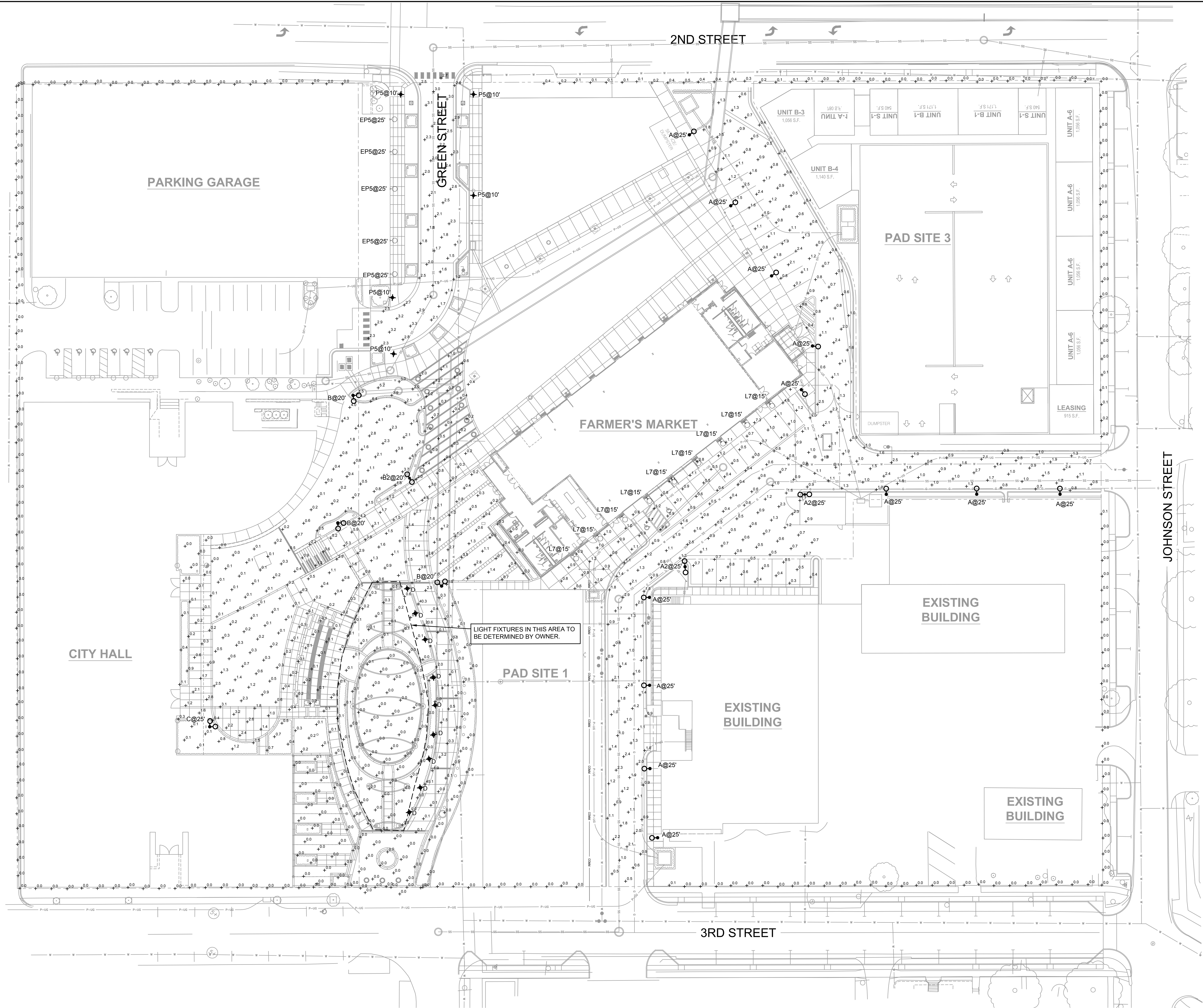
| NUMBER | MODEL | SIZE | TYPE | GPM | HEADS | DESIGN PSI | TWO WIRE PATH |
|--------|------------------------|--------|-------------------|-------|------------|------------|---------------|
| 1 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 7.79 | 70.6 L.F. | 40 | RED |
| 2 | RAIN BIRD PEB-PRS-D | 1-1/2" | BUBBLER | 11 | 22 | 30 | RED |
| 3 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 4.42 | 78.5 L.F. | 40 | RED |
| 4 | RAIN BIRD PEB-PRS-D | 1-1/2" | BUBBLER | 3 | 6 | 30 | RED |
| 5 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 4.48 | 61.2 L.F. | 40 | RED |
| 6 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 4.73 | 130.0 L.F. | 40 | RED |
| 7 | RAIN BIRD PEB-PRS-D | 1" | BUBBLER | 2 | 4 | 30 | RED |
| 8 | RAIN BIRD PEB-PRS-D | 1" | BUBBLER | 3 | 6 | 30 | RED |
| 9 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 0.83 | 120.0 L.F. | 40 | BLUE |
| 10 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 3.58 | 534.7 L.F. | 40 | BLUE |
| 11 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 0.18 | 188.8 L.F. | 40 | BLUE |
| 12 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 1.04 | 129.1 L.F. | 40 | BLUE |
| 13 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 1.09 | 153.3 L.F. | 40 | BLUE |
| 14 | RAIN BIRD PEB-IVM | 1-1/2" | TURF SPRAY | 20.26 | 35 | 30 | BLUE |
| 15 | RAIN BIRD PEB-PRS-D | 1-1/2" | BUBBLER | 5 | 10 | 30 | BLUE |
| 16 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 6.32 | 847.4 L.F. | 40 | BLUE |
| 17 | RAIN BIRD KCZ-100-IVMO | 1" | AREA FOR DRIPLINE | 0.96 | 99.2 L.F. | 40 | BLUE |
| 18 | RAIN BIRD PEB-IVM | 1" | TURF SPRAY | 3.99 | 15 | 30 | BLUE |
| 19 | RAIN BIRD PEB-IVM | 1" | TURF SPRAY | 6.86 | 21 | 30 | BLUE |
| 20 | RAIN BIRD PEB-IVM | 1" | TURF SPRAY | 1.65 | 6 | 30 | BLUE |

| | |
|---|------------|
| POC Number: | 2023-1-P20 |
| P.O. NUMBER 01 | |
| Purchase Information: | |
| Flow Available | |
| Point of Connection Size: | 2" |
| Flow Available: | 77.18 GPM |
| PRESSURE AVAILABLE | |
| Static Pressure at POC: | 79 PSI |
| Pressure Available: | 79 PSI |
| DESIGN ANALYSIS | |
| Maximum Station Flow: | 20.26 GPM |
| Flow Available at POC: | 77.18 GPM |
| Residual Flow Available: | 56.92 GPM |
| Critical Station: | |
| Friction Loss: | 14 PSI |
| Design Pressure: | 0.56 PSI |
| Fittings Loss: | 0.06 PSI |
| Elevation Loss: | 0 PSI |
| Loss Through Valve: | 7.4 PSI |
| Pressure Available at Critical Station: | 48.0 PSI |
| Loss for Fittings: | 0.19 PSI |
| Loss for Main Line: | 0.19 PSI |
| Loss for POC to Valve: | Available |
| Loss for Backflow: | 12.8 PSI |
| Loss to Master Valve: | 2 PSI |
| Critical Station Pressure at POC: | 62.8 PSI |
| Pressure Available: | 79 PSI |
| Residual Pressure Available: | 16.2 PSI |



- 1 PLANTER, REF: HARDSCAPE PLANS
- 2 ANNUAL PLANTINGS, REF: LANDSCAPE PLANS
- 3 LANDSCAPE DRIPLINE FLUSH CAP. CONTRACTOR SHALL INSTALL A MINIMUM OF ONE PER PLANTER.
- 4 EASY FIT COMPRESSIVE TEE RAIN BIRD MFT (QTY AS REQUIRED)
- 5 LANDSCAPE DRIPLINE. PREPARE: COMPENSATING IN-LINE EMITTER TUBING, RAIN BIRD XF06-0612
- 6 THE DOWN STAKE RAIN BIRD TDS-05/WBEND (QTY. AS REQUIRED)
- 7 IRRIGATION LATERAL
- 8 MICRO SPRAY WITH SPIKE





SITE LIGHTING PHOTOMETRICS PLAN

SCALE: 1" = 30'-0"

| Statistics | | | | | | |
|---------------|--------|--------|--------|--------|---------|---------|
| Description | Symbol | Avg | Max | Min | Max/Min | Avg/Min |
| ALLEY | + | 1.1 fc | 2.9 fc | 0.3 fc | 9.7:1 | 3.7:1 |
| GREEN STREET | + | 2.3 fc | 3.3 fc | 1.2 fc | 2.8:1 | 1.9:1 |
| PROPERTY LINE | + | 0.0 fc | 0.5 fc | 0.0 fc | N/A | N/A |

SITE LIGHTING PHOTOMETRICS PLAN

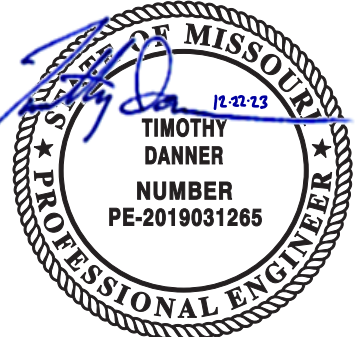
LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MO

2023

REV. NO. 1

BY



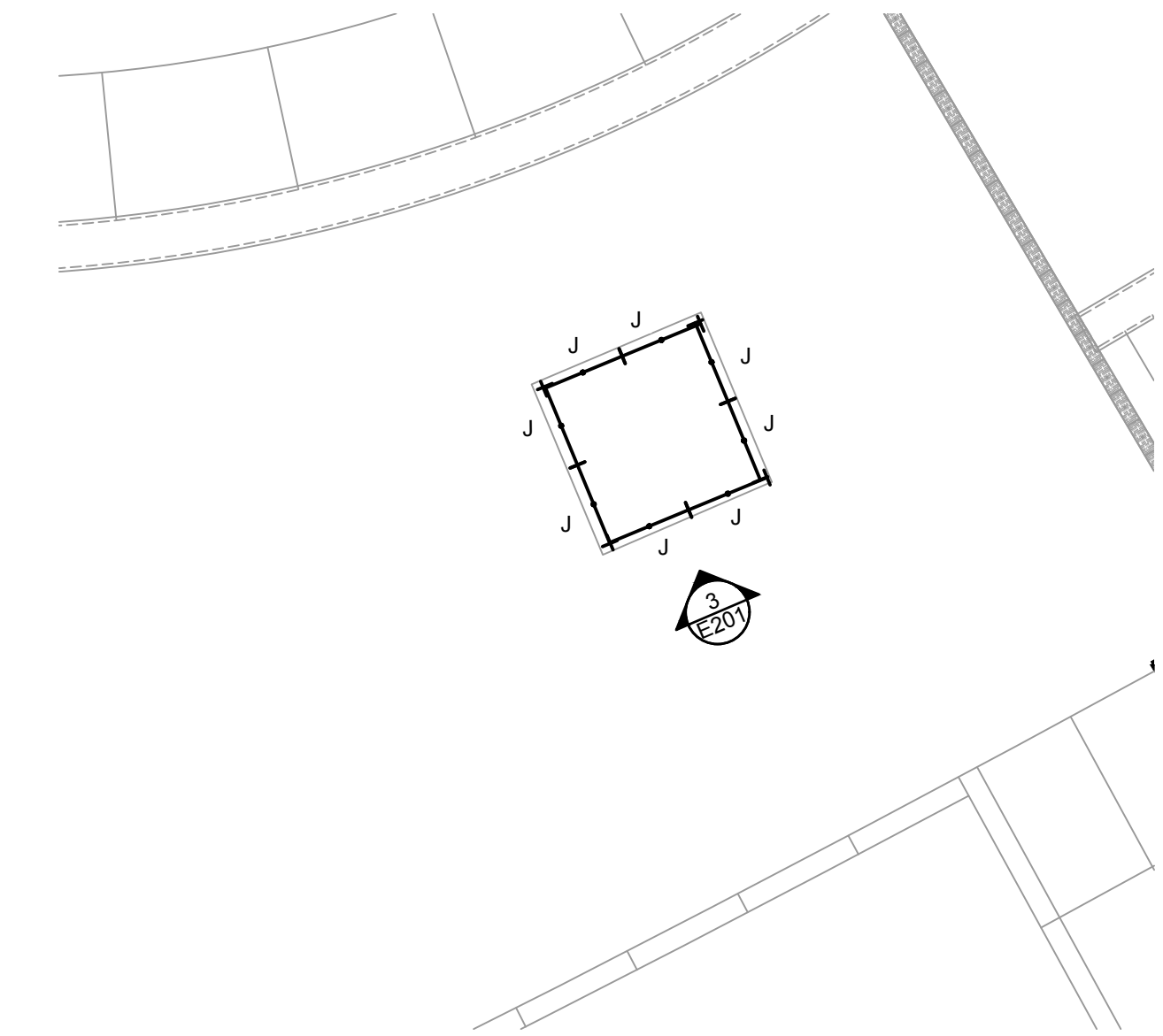
olsson

Olsson - Civil Engineering
Missouri Certificate of Authority #001592
1301 Burlington Street
North Kansas City, MO 64116
TEL 816.361.1177
www.olson.com

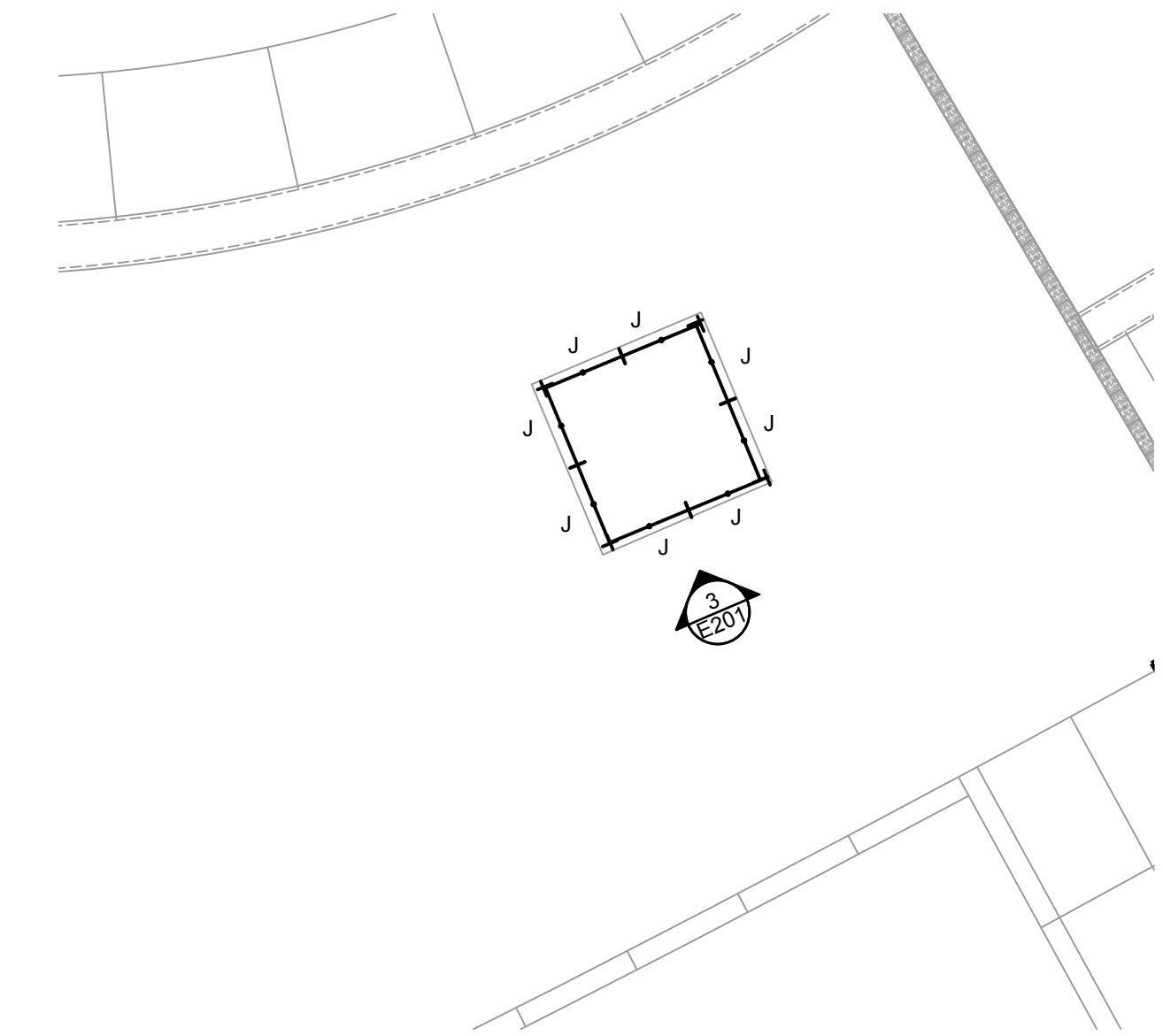
drawn by: SH
checked by: TB
approved by: TB
QA/QC by: TB
project no.: 022-00393
drawing no.: E_NSIT_02200393
date: 12/22/2023

SHEET
E100

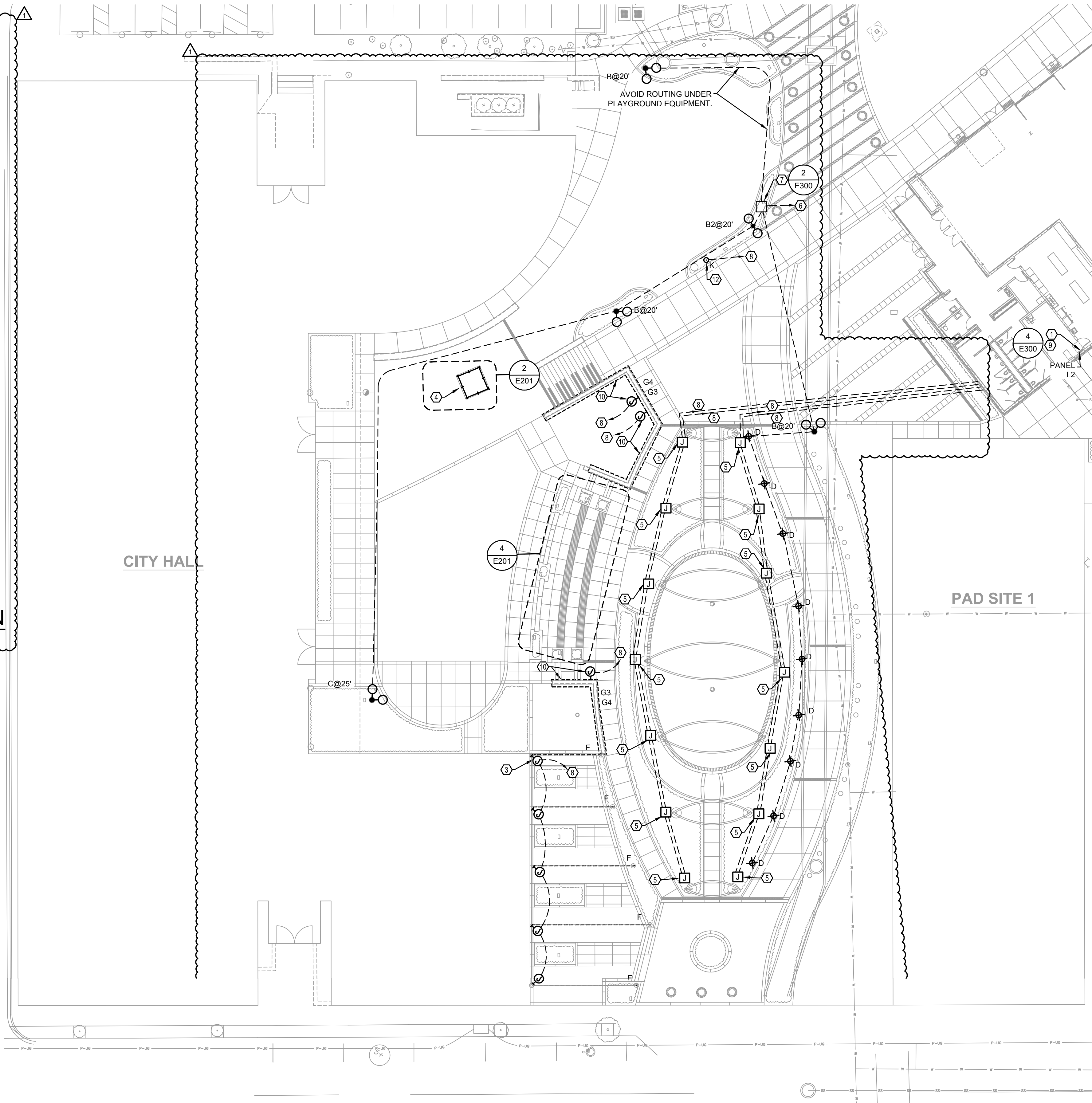
 **4 ENLARGED CASCADE STEPS PLAN**
SCALE: 1/8" = 1'-0"



 **2 ENLARGED CLOCK TOWER PLAN**
SCALE: 1/8" = 1'-0"

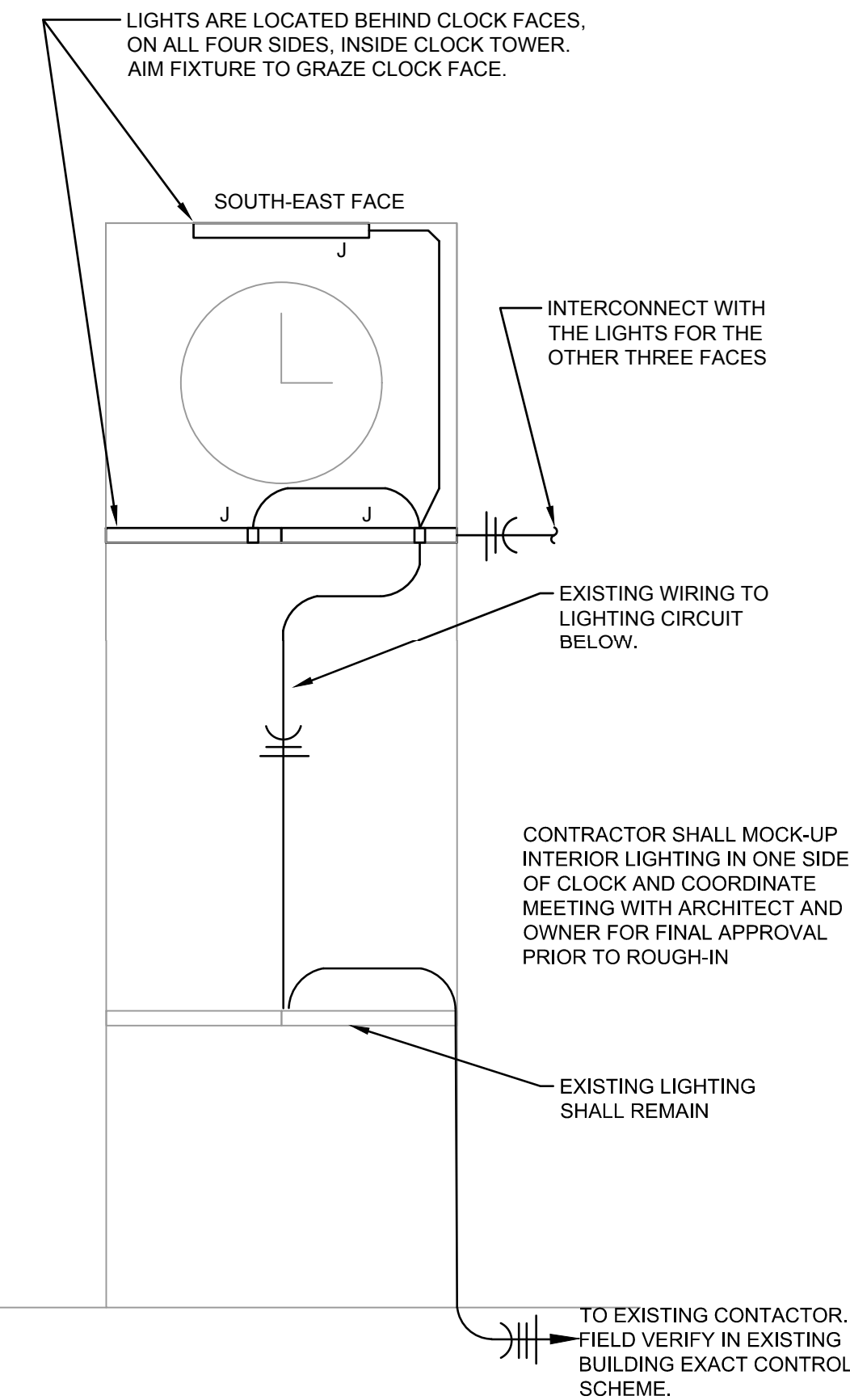


 **1 ENLARGED SITE LIGHTING PLAN**
SCALE: 1" = 20'-0"



○ SHEET KEYNOTES

- APPROXIMATE LOCATION OF INTERIOR PANELBOARD IN FARMERS MARKET BUILDING.
- LED ROPE MOUNTED IN ALUMINUM CHANNEL TO LANDSCAPE BENCH. REFER TO LANDSCAPE DRAWINGS/DETAILS FOR ADDITIONAL INFORMATION. BASIS OF DESIGN IS TO MOUNT DRIVER IN NEMA 3R ENCLOSURE AND RECESS IN CONCRETE SEAT WALL. BOX SHALL BE PAINTED TO MATCH SEAT WALL CONCRETE. PROVIDE ADDITIONAL BOXES FOR BLOCK SEAT LIGHTING AND ROUTE CONDUIT BELOW GRADE TO BLOCK SEAT.
- MOUNT LOW VOLTAGE TRANSFORMER IN NEMA 3R ENCLOSURE FOR LED STRING LIGHTING ON TOP OF POLE. COORDINATE EXACT LOCATION WITH POLE MANUFACTURER. REFER TO LANDSCAPE DRAWINGS/DETAILS AND LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- REPLACE EXISTING INTERNAL LIGHTING IN THE CLOCK TOWER WITH RGBW LED LIGHTING. VERIFY EXISTING VOLTAGE, WIRING, AND CONDUIT TO REMAIN TO BE REUSED PRIOR TO ORDERING NEW FIXTURE.
- ROUTE (2) 2-1/2" CONDUITS WITH #10 WIRE AND TERMINATE IN-GRADE JUNCTION BOX FOR WICKET LIGHTING. PROVIDE DMX CABLING AND LINE TERMINATOR PER MANUFACTURER WIRING DIAGRAMS.
- ROUTE CIRCUIT TO 20A/2P CIRCUIT BREAKER IN PANELBOARD L2. REFER TO LIGHTING CONTROL SEQUENCE FOR ADDITIONAL INFORMATION.
- IN-GRADE JUNCTION BOX FOR ROUTING EXTERIOR LIGHTING CIRCUITS. REFER TO JUNCTION BOX DETAILS FOR ADDITIONAL INFORMATION. DETERMINE EXACT LOCATION AND QUANTITY.
- ROUTE CIRCUIT TO 20A/1P CIRCUIT BREAKER IN PANELBOARD L2. REFER TO LIGHTING CONTROL SEQUENCE FOR ADDITIONAL INFORMATION.
- PROVIDE MTS GRAPHICAL TOUCH SCREEN WITH FOUR POST EQUIPMENT RACK. EQUIPMENT RACK TO HAVE NETWORK SWITCH, (8) 4-PORT GATEWAYS, AND DMX OPTO-SPLITTER. PROVIDE ECHO ERP24-FT RELAY PANEL FOR ROUTING EXTERIOR LIGHTING AND RECEPTACLE CIRCUITS. REFER TO SITE LIGHTING CONTROL SCHEMATIC FOR ADDITIONAL INFORMATION AND LIGHTING SEQUENCES.
- LED ROPE MOUNTED IN ALUMINUM CHANNEL TO UPPER BAR AND LOWER BAR PER LANDSCAPE DETAIL. FIXTURE TYPE G3 IS UPPER BAR AND TYPE G4 IS LOWER BAR. POWER SOURCES SHALL BE IN NEMA 3R ENCLOSURES MOUNTED WITHIN BAR WITH ACCESS PANEL. LED ROPE SHALL BE CONTINUOUS RUN WITH NO GAPS.
- RECESSED STEP LIGHT TO BE MOUNTED IN CONCRETE WALL. REFER TO LANDSCAPE DETAILS AND SECTIONS FOR ADDITIONAL INFORMATION.
- IN-GRADE LIGHT FIXTURE SHALL BE MOUNTED MINIMUM OF 3'-0" FROM LIGHT POLE AND AIMED AT FLAG.



 **3 CLOCK TOWER LIGHTING ELEVATION**
SCALE: 1" = 20'-0"

ENLARGED SITE LIGHTING PLAN

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MO

2023

REV. NO. 1

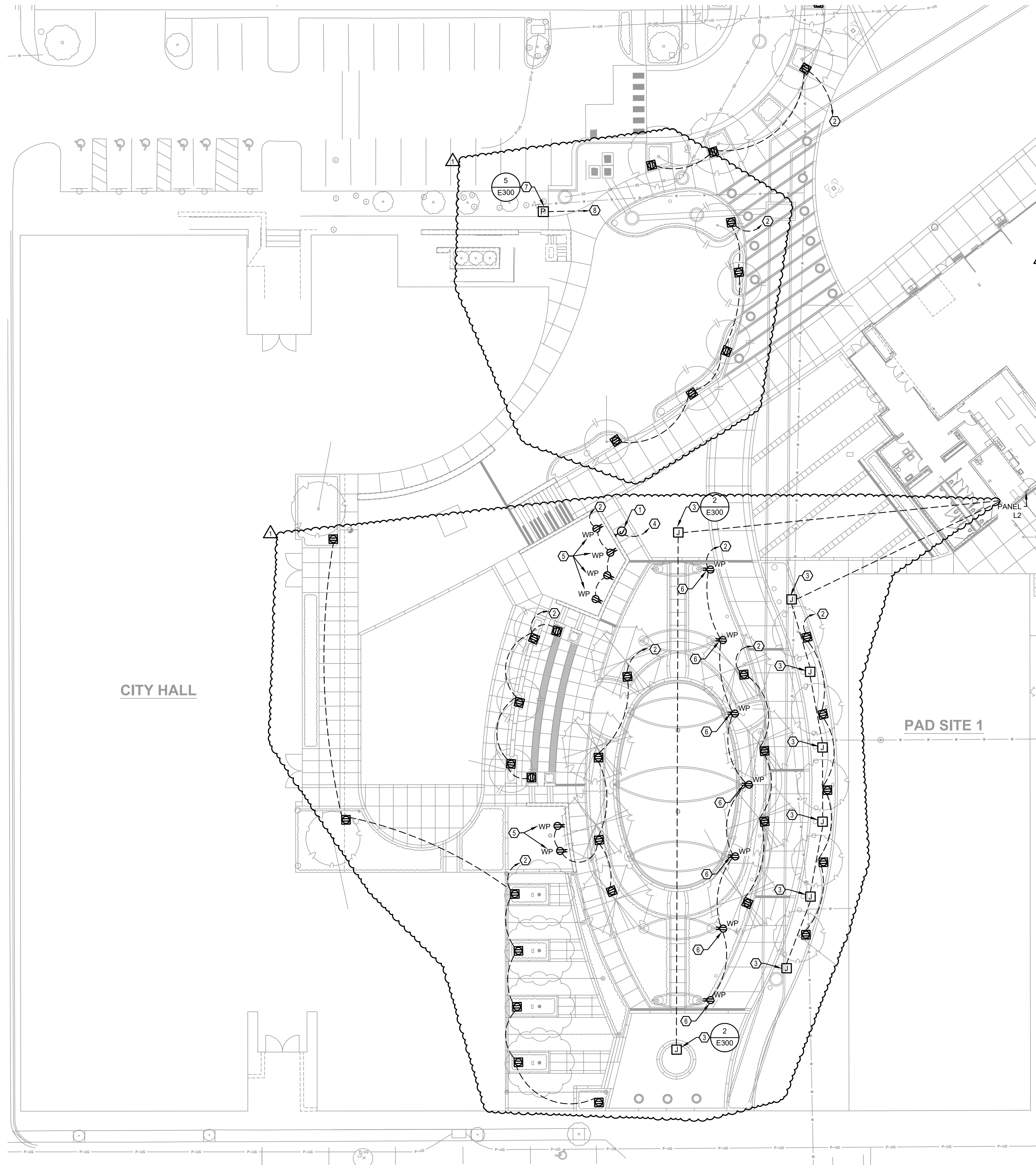
BY



olsson
Olsson - Civil Engineering
Missouri Certificate of Authority #001592
1301 Burlington Street
North Kansas City, MO 64116
TEL 816.361.1177
www.olsson.com

SHEET
E201

drawn by: SH
checked by: TB
approved by: TB
QA/QC by: TB
project no.: 022-00393
drawing no.: E_NSIT_02200393
date: 12/22/2023



GENERAL NOTES

A. WHERE IN GROUND BOX DUPLEX RECEPTACLE SYMBOL IS SHOWN, PROVIDE LEGRAND# XBB14C520CBK RECESSED GROUND BOX UNLESS OTHERWISE NOTED. ROUTE RECEPTACLE CIRCUIT TO A GFCI BREAKER. COORDINATE WITH INTERIOR BUILDING PANELBOARD SUBMITTAL. REFER TO HARDSCAPE PLANS FOR EXACT LOCATION AND DETAILS. INSTALL 6 INCHES OF CA-5 CLEAN ROCK BELOW BOX FOR WATER TO DRAIN.

SHEET KEYNOTES

1. ROUTE 1" CONDUIT FOR POWER TO WALL MOUNTED SIGN. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
2. ROUTE CIRCUIT TO 20A/1P CIRCUIT BREAKER IN PANEL L2. CIRCUIT SHALL BE ROUTED THROUGH TIME CLOCK. RECEPTACLE CIRCUITS SHALL BE ROUTED TO GFCI BREAKER.
3. ROUTE 1" EMPTY CONDUIT FOR POWER TO IN-GRADE JUNCTION BOX FOR SCULPTURE/ART FEATURE. STUB UP CONDUIT IN ELECTRICAL ROOM OF FARMER MARKET BUILDING AND CAP WITH PULL STRINGS.
4. ROUTE CIRCUIT TO 20A/1P CIRCUIT BREAKER IN PANEL L2. CIRCUIT SHALL BE ROUTED THROUGH TIME CLOCK.
5. REFER TO LANDSCAPE WALL DETAILS FOR LOCATION OF WEATHER RESISTANT RECEPTACLE WITH WHILE-IN-USE COVER MOUNTED TO BAR.
6. RECEPTACLE MOUNTED IN BASE OF WICKET.
7. PROVIDE OUTDOOR POWER PEDESTAL. REFER TO POWER PEDESTAL DETAIL FOR ADDITIONAL INFORMATION. COORDINATE FINAL PLACEMENT WITH CIVIL AND LANDSCAPE DRAWINGS PRIOR TO ROUGH-IN.
8. ROUTE (2)-#3 AND (1)-#8 GROUND IN 1-1/4" CONDUIT TO 75A/2P CIRCUIT BREAKER FOR POWER PEDESTAL.

 ENLARGED SITE POWER PLAN
SCALE: 1" = 20'-0"

ENLARGED SITE POWER PLAN

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MO

2023

| REV. NO. | DATE | REVISIONS DESCRIPTION | BY |
|-------------|------|-----------------------|----|
|-------------|------|-----------------------|----|

REVISIONS



Olsson - Civil Engineering
Missouri Certificate of Authority ##001592
1301 Burlington Street
North Kansas City, MO 64116

www.olsson.com

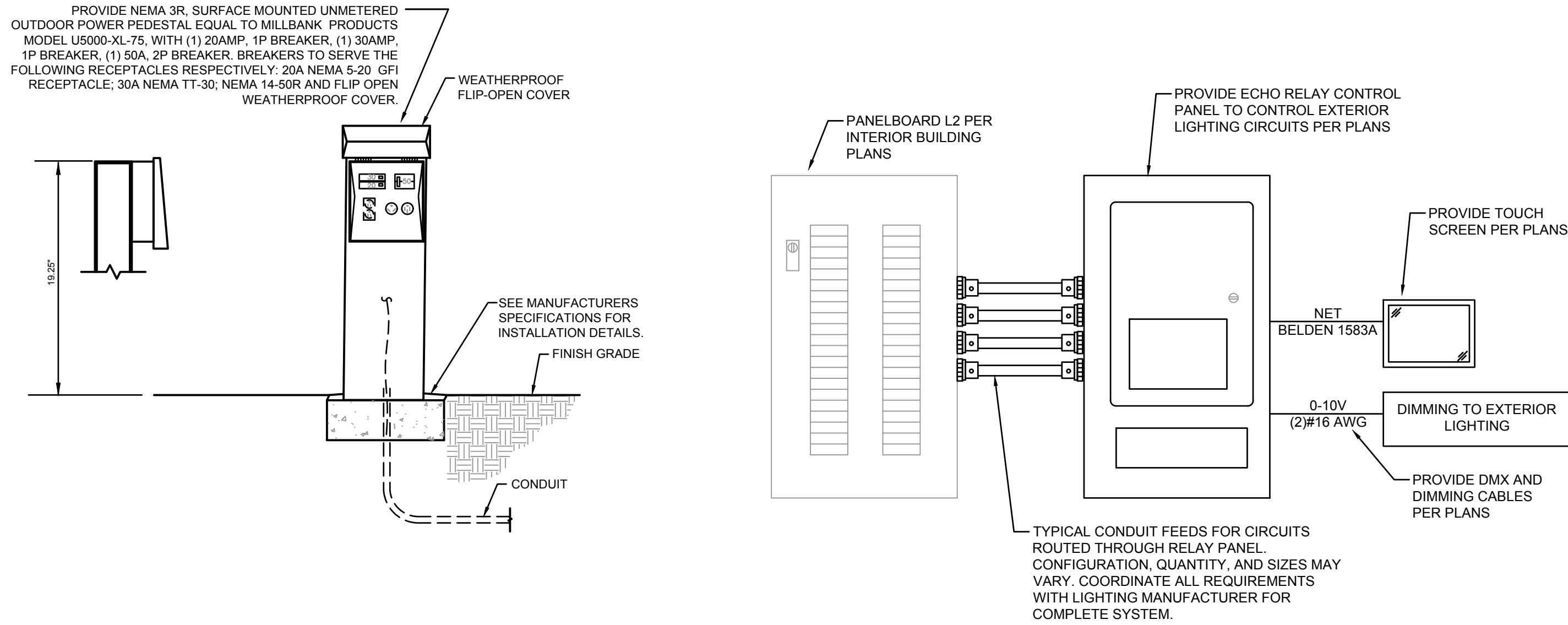
drawn by: _____ SH
checked by: _____ TD
approved by: _____ TD
QA/QC by: _____ TD
project no.: _____ 022-00393
drawing no.: E NSIT 02200393
date: _____ 12/22/2023

SHEET
E202

DWG: F:\2023\00001-00500\022-00393\40-design\AutoCAD\final plans\Sheets\MECH\E_NDET_02200393.dwg
DATE: Dec 22, 2023 8:57am
USER: shostert
XREFS: E_PLEK_02200393

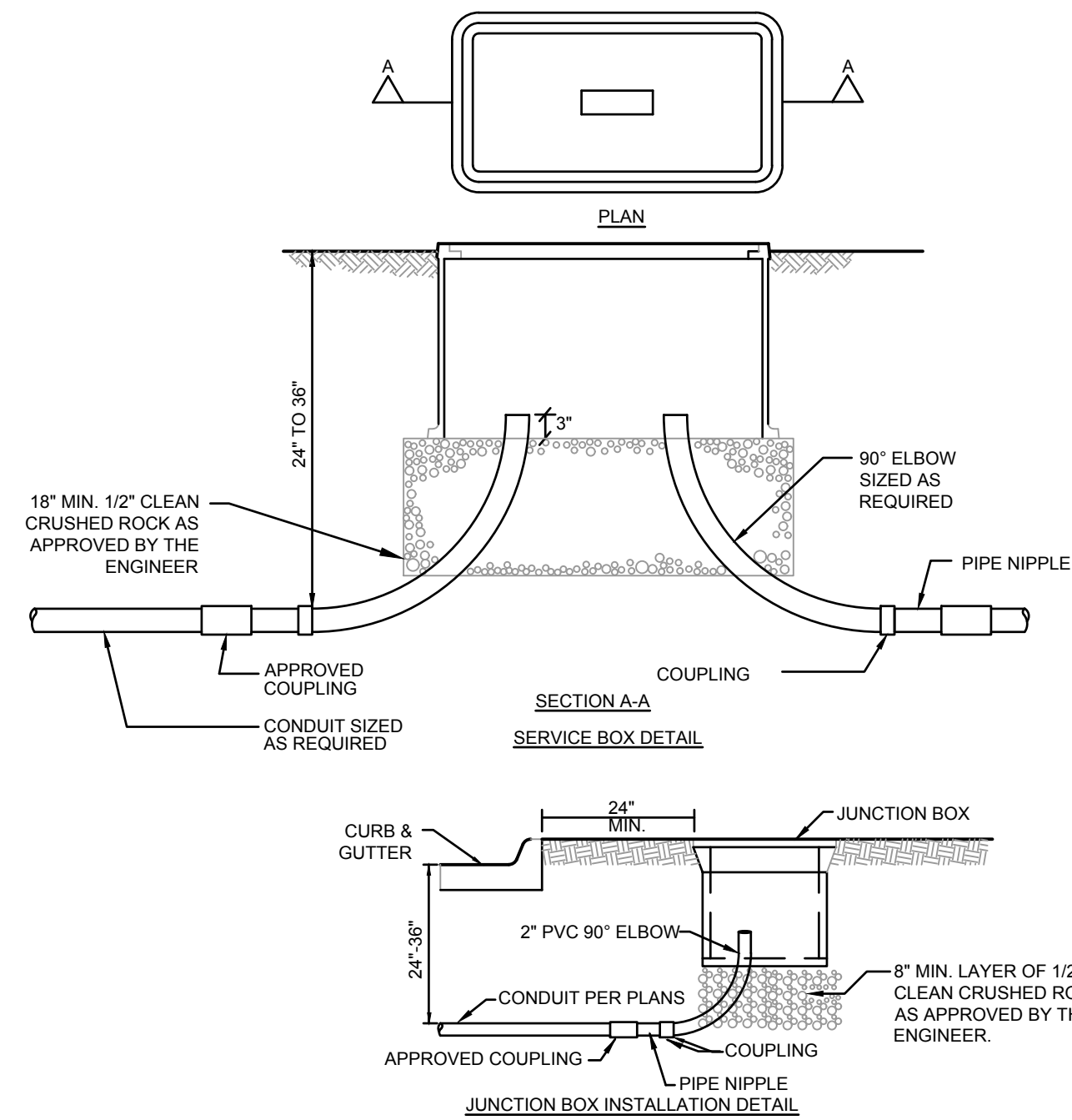
5 POWER PEDESTAL DETAIL

SCALE: NOT TO SCALE



4 SITE LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE

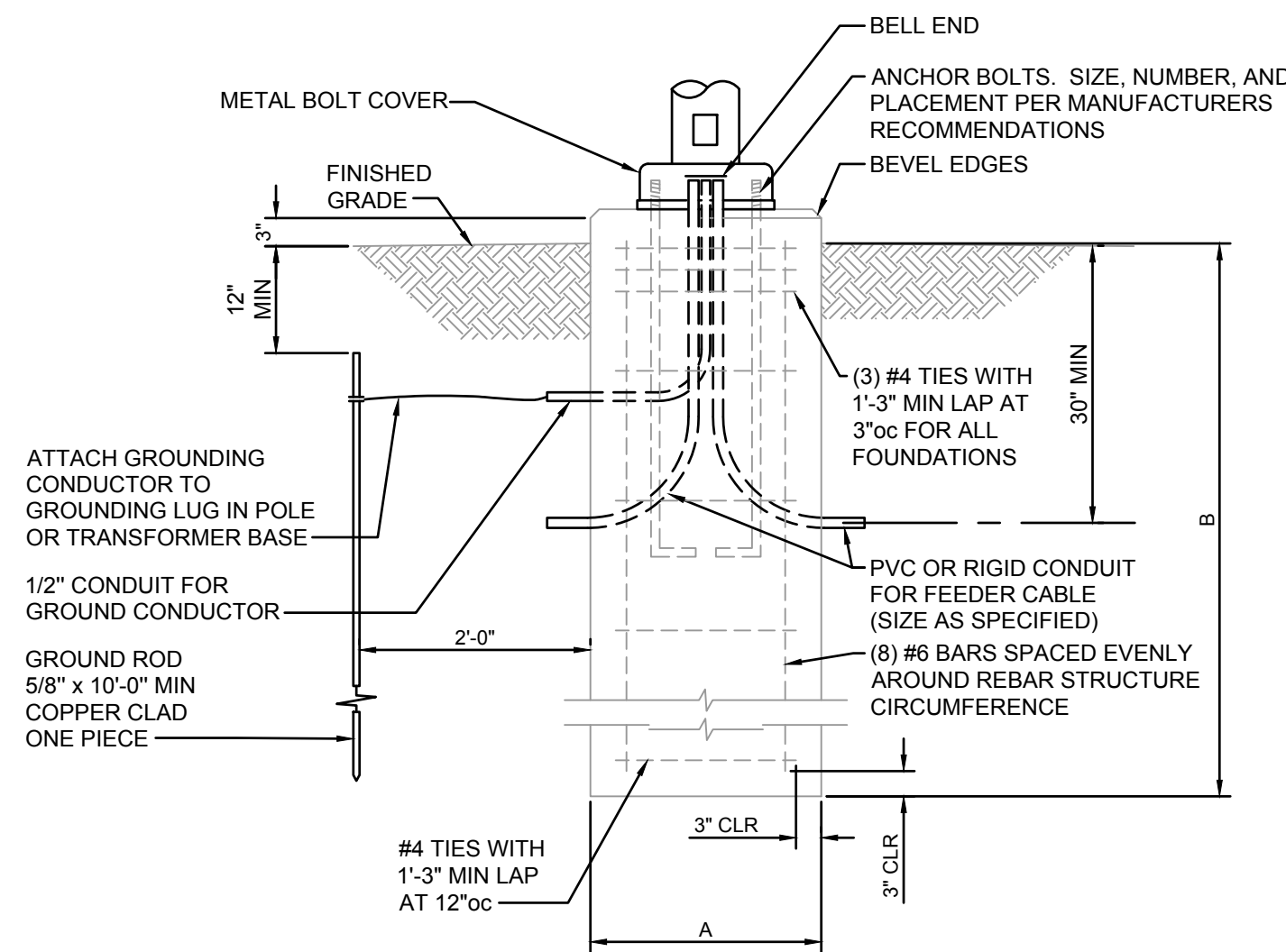


NOTE:
1. ALL LOCATIONS LOCATIONS OF IN-GRADE BOXES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLACEMENT AND CONDUIT INSTALLATION.

| TYPE | DIMENSION (IN.) | | | | | |
|-------------|-----------------|-----------------|-----------|--------|----------------|-----------------|
| | A | B | C | D | E | F |
| I-JUNCTION | 12 7/8 | 12 7/8 | 3/4 | 12 3/4 | 9 3/4 - 10 1/2 | 9 3/4 - 10 1/2 |
| II-JUNCTION | 18 - 18 1/2 | 11 1/4 - 11 1/2 | 1 3/4 - 2 | 12 | 9 1/2 - 10 1/4 | 16 1/2 - 17 1/4 |
| I-SERVICE | 35 5/8 | 24 | 3 | 24 | 22 1/4 | 33 7/8 |
| II-SERVICE | *47 5/8 | 30 1/8 | 3 | 24 | 22 1/8 | 45 5/8 |

*NOTE: THE TYPE II SERVICE BOX SHALL HAVE A TWO-PIECE OVERLAPPING COVER.

- TYPE I JUNCTION BOXES SHALL BE RATED FOR NO LESS THAN 15,000 lbs. VERTICAL TEST LOAD AND NO LESS THAN 8000 lbs. COVER LOAD OVER A 10"x10" AREA.
- TYPE II JUNCTION BOXES SHALL BE RATED FOR NO LESS THAN 22,500 lbs. VERTICAL TEST LOAD AND NO LESS THAN 8000 lbs. COVER LOAD OVER A 10"x10" AREA.
- TYPE I SERVICE BOXES SHALL BE RATED FOR NO LESS THAN 22,500 lbs. VERTICAL TEST LOAD AND NO LESS THAN 8000 lbs. COVER LOAD OVER A 10"x10" AREA.
- MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. IT SHALL HAVE THE FOLLOWING PROPERTIES.
COMPRESSIVE STRENGTH-11,000 psi ASTM C-109
TENSILE STRENGTH-1,700 psi ASTM C-496
FLEXURAL STRENGTH-7,500 psi ASTM D-790 5.
- ATTACH 1c #10 THHN/THWN STRANDED COPPER SYSTEM GROUND TO 1/2" x 8"-0" GROUND ROD IN SERVICE BOX. MULTIPLE #10 GROUND CABLES INTRODUCED AT SIGNAL POLES SHALL BE TERMINATED AT GROUND ROD WITH AN ADDITIONAL CLAMP.



1 CONCRETE LIGHT POLE BASE

SCALE: NOT TO SCALE

GENERAL NOTES:

- A. UNLESS NOTED OTHERWISE, ALL CONTROLS SHALL BE ON/OFF VIA TIME CLOCK. COORDINATE EXACT SCHEDULE WITH OWNER.

SEQUENCE CONTROL OPERATION:

- S1. EXTERIOR LIGHT POLE CIRCUITS (4-RELAY, 2-POLE CIRCUIT). WHERE SHOWN ON PLANS, ONE CIRCUIT SHALL HAVE MANUAL OVERRIDE DIMMING CONTROL.
- S2. EXTERIOR TREE IN-GROUND RECEPTACLES (7-RELAY CIRCUIT).
- S3. EXTERIOR LED ROPE BENCH AND STEP LIGHTS (1-RELAY CIRCUIT).
- S4. EXTERIOR WICKET LIGHTING (4-RELAY CIRCUIT).
- S5. EXTERIOR SIGN LIGHTING (1-RELAY CIRCUIT).
- S6. EXTERIOR STRING LIGHTING (1-RELAY CIRCUIT).
- S7. EXTERIOR BAR RECEPTACLES (1-RELAY CIRCUIT).
- S8. EXTERIOR BAR LED ROPE LIGHTING (3-RELAY CIRCUIT).
- S9. EXTERIOR WICKET RECEPTACLES (1-RELAY CIRCUIT).
- S10. FLAG POLE IN-GRADE LIGHT (1-RELAY CIRCUIT).

LIGHTING CONTROL SEQUENCE SCHEDULE

| FIXTURE TYPE | DESCRIPTION | TIME CLOCK | PHOTOCELL | DIMING | SEQUENCE OF OPERATION |
|--------------|-------------|------------|-----------|--------|-----------------------|
| A | POLE LIGHTS | X | | 0-10V | 1 |
| B | POLE LIGHTS | X | | 0-10V | 1 |
| C | POLE LIGHTS | X | | 0-10V | 1 |
| D | BOLLARD | X | | 0-10V | 2 |
| F | MESH LTG | X | | DMX | 2 |
| G2 | ROPE LIGHT | X | | DMX | 2 |
| G3 | ROPE LIGHT | X | | DMX | 2 |
| G4 | ROPE LIGHT | X | | DMX | 2 |
| H | POLE LIGHTS | X | | 0-10V | 1 |
| P5 | POLE LIGHTS | X | | 0-10V | 1 |
| J | LINEAR | X | X | DMX | 3 |
| K | IN-GRADE | X | | 0-10V | 2 |

SEQUENCE OF OPERATION:

1. FIXTURE SHALL BE CONTROLLED BY TIME CLOCK. FIXTURE TO DIM TO 70% OUTPUT FROM MIDNIGHT TO 6 A.M.
2. FIXTURE SHALL BE CONTROLLED BY TIME CLOCK. FIXTURE TO AUTOMATICALLY SHUT OFF AT 12 P.M.
3. FIXTURE TO BE CONTROLLED BY EXISTING PHOTOCELL/TIME CLOCK.

GENERAL NOTE:

- TIME CLOCK SHALL BE CAPABLE OF BEING PROGRAMMED FOR 7 DAYS, SET FOR 7 DIFFERENT DAY TYPES PER WEEK. INCORPORATE AN AUTOMATIC HOLIDAY SETBACK FEATURE AND HAVE BACKUP PROGRAM CAPABILITIES.

FOUNDATION DESIGN LIMITATIONS

- L1. THIS FOUNDATION WAS DESIGNED FOR A MINIMUM LATERAL SOIL DEFORMATION MODULUS OF 0.50 KSI.
- L2. THIS FOUNDATION WAS DESIGNED FOR A MINIMUM LATERAL SOIL UNDRAINED SHEAR STRENGTH OF 0.50 KSF.
- L3. THIS FOUNDATION WAS DESIGNED FOR A MAXIMUM ALLOWABLE LATERAL DEFLECTION OF 1/2 INCH OVERALL AT GRADE ELEVATION.
- L4. THIS FOUNDATION WAS DESIGNED WITH AN ASSUMED DEPTH TO ROCK GREATER THAN TWENTY FEET FROM FINISHED GRADE.
- L5. THIS FOUNDATION WAS DESIGNED WITH AN ASSUMED WATER TABLE LOCATED AT THE SOIL SURFACE.
- L6. THIS FOUNDATION WAS NOT DESIGNED TO WITHSTAND THE EFFECTS OF SCOURING.
- L7. IF CONDITIONS OTHER THAN THOSE SPECIFIED HEREIN ARE PRESENT AT THE SITE, INCLUDING NON-COHESIVE SOILS FOUND IN BORINGS, PLEASE CONTACT THE ENGINEER OF RECORD.

STRUCTURAL CONCRETE

CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF:
ACI 301 - "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
ACI 302 - "RECOMMENDED PRACTICE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION"
ACI 304 - "ACI MANUAL OF CONCRETE INSPECTION"
ACI 311 - "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE"
ACI 315 - "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
ACI 318 - "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
ACI 347 - "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK"

ALL HOOKS SHALL BE "STANDARD" PER ACI SPECIFICATIONS.

EARTHWORK

- E1. THE CONTRACTOR MUST PROVIDE SURFACE DRAINAGE AND PUMPS TO PROTECT ALL EXCAVATION FROM FLOODING. FLOODING OF ANY EXCAVATION AFTER APPROVAL OF THE SUBGRADE WILL BE CAUSE FOR RE-PREPARATION OF THE SUBGRADE.
- E2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST, OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE AND UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT STRUCTURE.
- E3. REFER TO THE GEOTECH REPORT FOR SUBSURFACE CONDITIONS AND CONSTRUCTION CONSIDERATIONS.

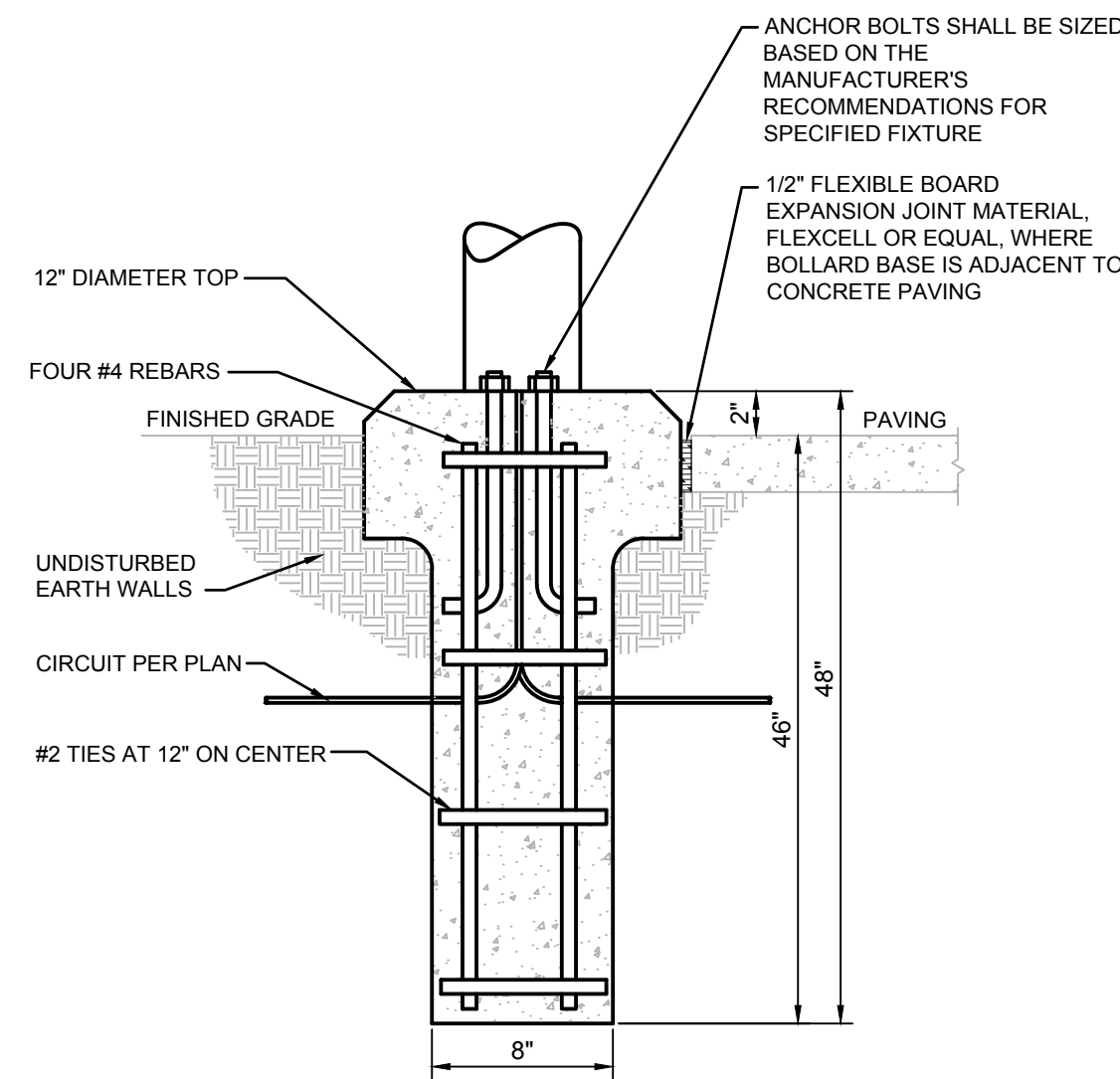
| LIGHT FOUNDATION DATA | | |
|-----------------------|-------|-------|
| MOUNTING HEIGHT | A | B |
| UP TO 30' | 2'-0" | 5'-0" |

CONCRETE CLASS "KCMMB 4000"

HEAVY HEX GALVANIZED NUTS: (AASHTO M291, GR A)
FLAT WASHERS GALVANIZED: (AASHTO M293)

3 BOLLARD BASE DETAIL

SCALE: NOT TO SCALE



GENERAL NOTES

- G1. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UNDERGROUND STRUCTURES AND UTILITIES BEFORE CONSTRUCTING NEW FOUNDATIONS.
- G2. THE CONTRACTOR SHALL FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT SCALE DRAWINGS.
- G3. EXCAVATE SHAFTS FOR DRILLED FOUNDATIONS TO INDICATED ELEVATIONS. REMOVE LOOSE DEBRIS, MATERIALS AND/OR MUCK TO MAKE BOTTOM SURFACES LEVEL WITHIN ACI 336.1 TOLERANCES.
- G4. CONSTRUCTION TOLERANCES:
A. BOTTOM DIAMETER: MINUS ZERO, PLUS 6 INCHES, MEASURED IN ANY DIRECTION.
B. MAXIMUM VARIATION FROM PLUMB: 1:40.
C. MAXIMUM BOTTOM LEVEL: PLUS OR MINUS 2 INCHES.
- G5. AT NO ADDITIONAL COST, CASE PIER SHAFTS AS NECESSARY, PROTECT EXCAVATED WALLS WITH TEMPORARY WATERTIGHT STEEL CASINGS OF SUFFICIENT LENGTH TO PREVENT WATER INTRUSION, CAVE-INS, DISPLACEMENT OF SURROUNDING EARTH, INJURY TO PERSONNEL AND DAMAGE TO CONSTRUCTION OPERATIONS. MAINTAIN EXCAVATIONS IN ESSENTIALLY DRY CONDITION, USING PUMPS WHERE NECESSARY. REMOVE WATER TO A MAXIMUM DEPTH OF 6 INCHES FROM EXCAVATED SHAFT PRIOR TO CONCRETE PLACEMENT.
- G6. CONVEY CONCRETE FROM THE MIXER TO PLACE OF DEPOSIT BY BEST INDUSTRY METHODS THAT WILL PREVENT SEGREGATION AND LOSS OF MATERIAL. SIZE AND DESIGN THE EQUIPMENT FOR CONVEYING CONCRETE TO ENSURE UNIFORM, CONTINUOUS PLACEMENT OF CONCRETE. PLACE CONCRETE IN ACCORDANCE WITH ACI 318. PLACE CONCRETE IN A CONTINUOUS OPERATION AND WITHOUT SEGREGATION INTO DRY EXCAVATIONS WHENEVER POSSIBLE. USE ALL PRACTICABLE MEANS TO OBTAIN A DRY EXCAVATION BEFORE AND DURING CONCRETE PLACEMENT.
- G7. WHEN PULLING CASING, MAINTAIN LEVEL OF CONCRETE ABOVE BOTTOM OF CASING GREATER OR EQUAL TO LEVEL OF GROUND KEEP BOTTOM OF CASING AT LEAST 10 FEET BELOW TOP OF CONCRETE. PREVENT IN-SITU MATERIALS FROM FALLING INTO AND MIXING WITH CONCRETE. PULL CASING IN SHORT SLOW VERTICAL LIFTS (ESSENTIALLY CONTINUOUS), MAINTAINING PLUMB ALIGNMENT AND SUFFICIENT HEAD OF CONCRETE.
- G8. ALL CONCRETE SHALL BE CLASS KCMMB 4000.
- G9. ALL REINFORCING SHALL BE STRUCTURAL GRADE 60 PER ASTM-A615 AND HAVE AT LEAST 3" OF CONCRETE COVER.
- G10. ANCHOR BOLTS ARE TO BE FURNISHED BY THE FOUNDATION CONTRACTOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PLACE ALL REBAR SO AS TO NOT INTERFERE WITH ANCHOR BOLTS.
- G11. ALL ABOVE GRADE FOUNDATION SURFACES SHALL BE STEEL TROWEL FINISHED UNLESS OTHERWISE NOTED.
- G12. EACH PIER FOUNDATION SHALL BE CONSTRUCTED IN A SINGLE CONTINUOUS POUR.
- G13. NO EXCAVATION OR VIBRATION-INDUCING ACTIVITIES ARE ALLOWED WITHIN 3 PIER DIAMETERS OF A SUBJECT PIER UNTIL AT LEAST 24 HOURS HAVE ELAPSED SINCE THE TIME OF CONCRETE PLACEMENT. COVER ALL EXCAVATIONS BETWEEN OPERATIONS. REMOVE FOREIGN AND LOOSE MATERIAL FROM APPROVED EXCAVATION.
- G14. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT DAMAGE AND/OR SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE THE PROJECT LIMITS DURING EXCAVATION AND FOUNDATION CONSTRUCTION. ANY DAMAGE TO NEW OR EXISTING CONSTRUCTION INSIDE OR OUTSIDE OF THE PROJECT LIMITS CAUSED BY CONSTRUCTION TECHNIQUES IS THE RESPONSIBILITY OF THE CONTRACTOR.

SITE LIGHTING DETAILS

LEE'S SUMMIT DOWNTOWN MARKET
GREEN STREET - 2ND STREET TO 3RD STREET

LEE'S SUMMIT, MO

drawn by: SH
checked by: TD
approved by: TD
QA/QC by: TD
project no.: 022-00393
drawing no.: E_NDET_02200393
date: 12/22/2023

SHEET
E300



| BY | | REV | | DATE | | REVISIONS DESCRIPTION | |
|----|--|-----|--|------------|--|-----------------------|--|
| | | 1 | | 12-22-2023 | | ADENDUM 1 | |

REVISIONS

2023

olsson
Olsson - Civil Engineering
Missouri Certificate of Authority #001592
1301 Burlington Street
North Kansas City, MO 64116
TEL 816.361.1177
www.olsson.com

SECTION 260000 ELECTRICAL

- GENERAL CONDITIONS:
- A. THIS CONTRACTOR SHALL INSPECT THE SITE WHERE THIS WORK IS TO BE PERFORMED AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS RELATED TO THIS PROJECT.
 - B. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMANENT AND TEMPORARY PERMITS AND LICENSES AND SHALL MAKE ALL DEPOSITS AND PAY ALL FEES REQUIRED FOR THE PERFORMANCE OF WORK UNDER THIS SECTION OTHER THAN THOSE DEPOSITS OR FEES WHICH ARE FULLY REFUNDABLE TO THE OWNER.
 - C. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. WHERE LOCAL CONDITIONS NECESSITATE A REARRANGEMENT, THE CONTRACTOR SHALL PREPARE, AND SUBMIT FOR APPROVAL, DRAWINGS OF THE PROPOSED REARRANGEMENT. THIS CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING ALL OF HIS WORK AND SHALL ARRANGE SUCH WORK ACCORDINGLY, FURNISHING SUCH FITTINGS AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
 - D. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWINGS SHALL NOT BE SPECIFIED TO DETERMINE DIMENSIONS.
 - E. SPECIFICATIONS AND DRAWINGS ARE COMPLEMENTARY AND WHAT IS CALLED FOR IN ONE SHALL BE AS BINDING AS IF CALLED FOR BY BOTH.
 - F. FURNISH LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED AS SHOWN ON THE DRAWINGS AND SPECIFIED IN DIVISION 15.
 - G. ALL WORK SHALL BE COMPLETE AND SHALL BE LEFT IN OPERATING CONDITION.
 - H. INCLUDE ALL PARTS AND LABOR WHICH ARE INCIDENTAL AND NECESSARY FOR A COMPLETE AND OPERABLE INSTALLATION EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS.
 - I. REQUEST INSPECTIONS AS REQUIRED BY REGULATING AGENCIES AND/OR REGULATIONS. PAY ALL CHARGES FOR INSPECTIONS BY REGULATING AGENCIES OF INSTALLATIONS OF PLANS SPECIFICATIONS.
 - J. PROVIDE THE OWNER WITH A CERTIFICATE OF FINAL INSPECTION AND APPROVAL BY ENFORCEMENT AUTHORITIES.
 - K. FURNISH: TO OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, DELIVER TO THE JOB SITE IN NEW CONDITION READY FOR INSTALLATION, UNLOAD AND UNPACK, AND GUARANTEE.
 - L. INSTALL: TO RECEIVE AT THE JOB SITE, STORE, ASSEMBLE, ERECT, SET IN PLACE, ANCHOR, APPLY, FINISH, PROTECT, CLEAN, TEST, START-UP, AND MAKE READY FOR OWNER'S USE.
 - M. PROVIDE: TO FURNISH AND INSTALL.
 - N. PROVIDE NEW MATERIAL AND EQUIPMENT, UNLESS NOTED OTHERWISE. PROTECT EQUIPMENT AND MATERIAL FROM DAMAGE, DIRT AND THE WEATHER.
 - O. THE ENGINEER RESERVES THE RIGHT TO REJECT MATERIAL OR WORKMANSHIP NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, BEFORE OR AFTER INSTALLATION, AT NO ADDITIONAL COST TO THE OWNER.
 - P. REFINISH ALL ELECTRICAL EQUIPMENT DAMAGED DURING SHIPPING, INSTALLATION AND/OR PRIOR TO FINAL ACCEPTANCE TO ITS ORIGINAL CONDITION. REMOVE ALL RUST; PRIME, AND PAINT PER MANUFACTURER'S RECOMMENDATIONS FOR FINISH EQUAL TO ORIGINAL.
 - Q. PROTECT OPENINGS AND EQUIPMENT FROM OBSTRUCTION, BREAKAGE, MISUSE, DAMAGE OR BLEMISHES. PROTECT MATERIALS AND EQUIPMENT IMMEDIATELY UPON RECEIPT AT THE JOB SITE OR IMMEDIATELY AFTER THEY HAVE BEEN REMOVED FROM THEIR SHIPPING CONTAINERS, UNLESS NOTED OTHERWISE. KEEP THEM CLEAN AND UNDATED UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE OWNER. WHEN A PORTION OF THE BUILDING IS OCCUPIED BY THE OWNER BEFORE SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, MAKE ARRANGEMENTS TO TRANSFER RESPONSIBILITY FOR PROTECTION AND HOUSEKEEPING FOR THE OCCUPIED PORTION.
 - R. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ELECTRICAL EQUIPMENT, MATERIALS OR WORK UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE OWNER.
 - S. KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH, CAUSED BY HIS EMPLOYEES OR WORK, AT ALL TIMES. REMOVE RUBBISH, TOOLS, SCAFFOLDING, AND SURPLUS MATERIALS FROM AND ABOUT THE BUILDING, AND LEAVE WORK AREAS "BROOM CLEAN" OR ITS EQUIVALENT DAILY. CLEAN ELECTRICAL EQUIPMENT AND REMOVE TEMPORARY IDENTIFICATION.
 - T. OPERATE EQUIPMENT AND SYSTEMS IN ALL THEIR OPERATING MODES, TO VERIFY PROPER OPERATION, PRIOR TO FINAL FIELD OBSERVATION AND OWNER INSTRUCTIONS. PREPARE A PRE-INSPECTION REPORT AND SUBMIT TO THE ENGINEER AND OWNER FOR REVIEW.
 - U. TEST ALL INSTALLED ELECTRICAL EQUIPMENT AND CABLES REQUIRED BY CONSTRUCTION DOCUMENTS ACCORDING TO THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE INTERNATIONAL ELECTRICAL TESTING ASSOCIATION, INC. (NETA). IF ACCEPTABLE PERFORMANCE OF ANY TEST IS NOT ACHIEVED, MAKE THE NECESSARY CORRECTIONS AND THE TEST SHALL BE REPEATED UNTIL ACCEPTABLE PERFORMANCE IS ACHIEVED. PROVIDE WRITTEN REPORTS OF ALL TESTS, WITH FAILURES IDENTIFIED, TO ENGINEER.
 - V. FULLY INSTRUCT THE OWNER'S DESIGNATED PERSONNEL IN THE OPERATION OF EACH ELECTRICAL SYSTEM AT THE TIME IT IS PUT INTO SERVICE. PROVIDE INSTRUCTION USING COMPETENT INSTRUCTORS AND FACTORY TRAINED PERSONNEL.
 - W. CONTRACTOR SHALL INSTALL ALL MATERIALS AND EQUIPMENT AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND/OR RECOMMENDATIONS.
 - X. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL EQUIPMENT INDICATED AND/OR REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. A FORM INDICATING ALL SHOP DRAWINGS TO BE PROVIDED AS PART OF THE PROJECT SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER PRIOR TO ANY SHOP DRAWING SUBMITTAL REVIEW.
 - Y. THIS SPECIFICATION SHALL INCORPORATE ALL PROJECT REQUIREMENTS AND RESPONSIBILITIES INDICATED WITHIN THE FRONT-END OF THE PROJECT MANUAL.

- REGULATIONS, ORDINANCES, STATUTES AND CODES:
- A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION CODE, THE NATIONAL ELECTRICAL SAFETY CODE, LOCAL BUILDING CODE, AND APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES. SHOULD ANY WORK SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN BE OF LOWER STANDARD, THE CONTRACTOR SHALL REFER THE POINTS IN QUESTION TO THE ENGINEER FOR APPROVAL.
- OF WORK:
- A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL AND ASSOCIATED SERVICES REQUIRED TO COMPLETELY CONSTRUCT AND LEAVE ALL SYSTEMS OPERATIONAL AS SHOWN ON THE

DRAWINGS AND HEREIN DESCRIBED.

- B. ALL WORK PERFORMED UNDER THIS SECTION SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER.
- RIALS AND EQUIPMENT REVIEW:**
- A. AS SOON AS POSSIBLE AFTER THE AWARD OF THE CONTRACT, THIS CONTRACTOR SHALL SUBMIT FOR REVIEW SHOP DRAWINGS FOR ALL EQUIPMENT TO BE FURNISHED FOR THIS PROJECT. SUBMITTALS SHALL HIGHLIGHT THE MANUFACTURER'S NAME, MODEL NUMBER, DESCRIPTIVE ENGINEERING DATA AND ALL NECESSARY INFORMATION AS TO FINISH, MATERIAL GAUGES AND ACCESSORIES.
- B. ALL PORTIONS OF THE SHOP DRAWINGS THAT ARE INTENDED TO BE REVIEWED SHALL BE HIGHLIGHTED. ANY PORTION NOT CALLED OUT SHALL BE ASSUMED TO BE EXCLUDED FROM THE JOB.

5. GUARANTEE:

- A. THIS CONTRACTOR SHALL GUARANTEE COMPLETE SYSTEM OPERATION AND THAT THE APPARATUS FURNISHED AND INSTALLED WILL BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS AND WILL GIVE SATISFACTORY SERVICE. THE CONTRACTOR AGREES TO REPLACE, WITHOUT EXPENSE TO THE OWNER, ANY PART OF THE INSTALLATION WHICH PROVES OR BECOMES DEFECTIVE WITHIN ONE YEAR AFTER THE SYSTEM IS ACCEPTED.

6. COORDINATION:

- A. THIS CONTRACTOR SHALL EXAMINE ALL ARCHITECTURAL, MECHANICAL, STRUCTURAL AND OTHER DRAWINGS RELATED TO THIS PROJECT, AND IT SHALL BE HIS RESPONSIBILITY TO COORDINATE THE ELECTRICAL WORK WITH OTHER TRADES.

7. AS-BUILT DRAWINGS:

- A. THIS CONTRACTOR SHALL PREPARE COMPLETE AS-BUILT DRAWINGS OF ALL ELECTRICAL SYSTEMS AND TURN OVER TO THE ENGINEER REvised ELECTRONIC CAD FILES.
- B. THIS CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNERS' REPRESENTATIVE FIVE BOUND SETS OF MANUFACTURER'S LITERATURE FOR ALL EQUIPMENT TO BE INSTALLED ON THIS PROJECT SHOWING ALL DETAILS OF EQUIPMENT, REPLACEMENT PART DATA AND MAINTENANCE INSTRUCTIONS.

8. EXCAVATION:

- A. ALL EXCAVATION AND BACKFILL REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LAYOUT AND THE ESTABLISHMENT OF ALL LINES AND LEVELS REQUIRED FOR THE EXECUTION OF THE WORK.
- C. WHEN SERVICES ARE TO BE RUN SIDE-BY- SIDE, A COMMON TRENCH MAY BE USED PROVIDING THE REQUIRED VERTICAL AND HORIZONTAL SEPARATION BETWEEN THE VARIOUS SERVICES ARE MAINTAINED AND PROVIDING THE METHOD OF BENDING AND BACKFILL MEET THE APPROVAL OF THE ENGINEER. CONTRACTORS INVOLVED SHALL MAKE THEIR OWN AGREEMENT AS TO THE SHARING OF THE COST OF THE COMMON TRENCHING AND BACKFILL WORK.
- D. LOCATE EXISTING UNDERGROUND UTILITIES IN AREAS OF EXCAVATION WORK. SHOULD UNCHARTED, OR INCORRECTLY CHARTED, PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT UTILITY ENGINEER IMMEDIATELY FOR DIRECTIONS. COOPERATE WITH OWNER AND UTILITY COMPANIES IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION. REPAIR DAMAGED UTILITIES TO SATISFACTION OF UTILITY OWNER.

9. EXTERIOR AND FOUNDATION WALLS:

- A. ALL PIPING THROUGH EXTERIOR OR FOUNDATION WALLS SHALL PASS THROUGH SCHEDULE 40 GALVANIZED STEEL SLEEVES WHICH SHALL BE LARGE ENOUGH TO ALLOW FOR CAULKING MATERIAL. NO SLEEVES ARE PERMITTED THROUGH CONCRETE STRUCTURAL MEMBERS. ALL SLEEVES SHALL BE COORDINATED AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.

10.FLOORS:

- A. ALL PIPING THROUGH FLOORS SHALL BE PROVIDED WITH SCHEDULE 40 GALVANIZED STEEL PIPE SLEEVES, EXTENDING 2 INCHES ABOVE FLOOR

11. CUTTING:

- A. ALL CUTTING OF EXISTING CONCRETE FLOORS/SLABS ON GRADE IN THE INTERIOR OF THE BUILDING SHALL BE PERFORMED BY "SAW CUTTING".

12.PATCHING:

- A. ON CONCRETE, PATCH THE OPENING WITH CONCRETE, FINISHED SMOOTH WITH ADJACENT SURFACES.

13. IDENTIFICATION OF SWITCHES AND APPARATUS:

- A. ALL CABINETS, SAFETY SWITCHES, AND OTHER APPARATUS USED FOR OPERATION AND CONTROL OF CIRCUITS, APPLIANCES, AND EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY IDENTIFIED BY MEANS OF ENGRAVED PLASTIC PLATES BLACK WITH WHITE LETTERS.

14. GROUNDING:

- A. ALL FEEDERS AND BRANCH CIRCUITS SHALL CONTAIN GROUND WIRES.
- B. ALL CONDUCTORS, MOTOR FRAMES, RACEWAYS, CABINETS, ETC., THAT REQUIRE GROUNDING SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, THOSE OF THE SERVING UTILITY AND LOCAL AUTHORITIES HAVING JURISDICTION.

15. CONDUIT:

- A. ALL ELECTRICAL POWER WIRING, INCLUDING LOW VOLTAGE WIRING, SHALL BE INSTALLED IN CONDUIT AS HEREIN SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4 INCH NOMINAL SIZE SHALL BE USED.

- B. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 AS MANUFACTURED BY CARLON OR APPROVED EQUAL. ALL CONDUITS SHALL BE INSTALLED WITH MINIMUM 36" INCH COVER.

- C. CONDUIT INSTALLED ABOVE GROUND EXTERIOR SHALL BE GALVANIZED RIGID STEEL AS MANUFACTURED BY THE ALLIED TUBE AND CONDUIT CORPORATION OR APPROVED EQUAL. CONDUIT SHALL BE SHERARDIZED OR HOT-DIP GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING.

- D. WHEN PVC CONDUITS PENETRATE CONCRETE FLOOR CONSTRUCTION, CONTRACTOR SHALL USE RIGID STEEL ELBOWS AND EXTENSION. PVC CONDUIT/FITTINGS SHALL NOT BE PERMITTED TO BE EXPOSED ABOVE THE FLOOR.

- E. THIN WALL TUBING SHALL BE REPUBLIC "ELECTRUNITE E.M.T." OR APPROVED EQUAL. SHALL BE INSTALLED INDOORS.

- F. ALL FITTINGS SHALL BE OF THE COMPRESSION TYPE AND SHALL BE WATER TIGHT.
- G. CONDUIT FOR INTERIOR WIRING, IN GENERAL, SHALL BE THINWALL TUBING UNLESS OTHERWISE NOTED.
- H. RACEWAYS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND FITTING TO FITTING. A RUN OF CONDUIT BETWEEN OUTLETS OR FITTINGS SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR QUARTER-BENDS. INSIDE OF THOSE BENDS LOCATED IMMEDIATELY AT THE OUTLET OR FITTING, THE RADIUS OF BENDS SHALL NEVER BE SHORTER THAN THAT OF THE CORRESPONDING TRADE ELBOW. THE SYSTEM SHALL BE COMPLETE WITH OUTLETS, DISTRIBUTION BOXES, ETC., SMOOTH INSIDE AND MECHANICALLY SECURE IN PLACE. APPROVED STRAPS, HANGERS, OR SUPPORTS SHALL BE USED TO SECURE CONDUITS IN PLACE. CONDUITS SHALL, IN GENERAL, BE SUPPORTED AT INTERVALS NOT EXCEEDING 10'-0" AND WITHIN 3'-0" OF EACH OUTLET BOX, JUNCTION BOX, CABINET OR FITTING.

- I. CONDUITS SHALL BE PROTECTED DURING CONSTRUCTION; PLUG AND KEEP CLEAN AND DRY. CONDUIT ENDS SHALL BE BUTTED IN CENTERS OF COUPLINGS. NO CRACKS OR FLATTENED SECTIONS WILL BE PERMITTED AT BENDS OR ELSEWHERE. ALL ENDS OF CONDUIT SHALL BE REAMED TO REMOVE ROUGH EDGES. RUNNING THREADS WILL NOT BE PERMITTED.

- J. CONDUITS SHALL BE CONCEALED WITHIN THE WALLS, CEILINGS, AND FLOORS WHERE POSSIBLE AND UNLESS OTHERWISE NOTED. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES WITH THE BUILDING LINES.

18. WIRE AND CABLE:

- A. WIRE AND CABLE SHALL BE AMERICAN INSULATED WIRE CORP., GENERAL CABLE CORP., SENATOR WIRE AND CABLE CORP. SOUTHWIRE OR APPROVED EQUAL, OF SIZES AS SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED.

- B. ALL CONDUCTORS SHALL BE COPPER

- C. NO. 10 AWG AND SMALLER CONDUCTORS SHALL BE SOLID WITH INSULATION AND NO. 8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED WITH TYPE THHN/THWN INSULATION EXCEPT THAT CONDUCTORS WITHIN 3 INCHES OF LIGHT FIXTURE BALLASTS SHALL HAVE RHH, THHN, OR EQUAL INSULATION RATED FOR 90 DEGREES C. APPLICATION.

19. WIRING DEVICES:

- A. WET-LOCATION, WEATHERPOOF COVER PLATES: NEMA 250, COMPLYING WITH TYPE 3R, EXTRA DUTY, RATED "WHILE-IN-USE" WEATHER-RESISTANT DIE-CAST ALUMINUM WITH LOCKABLE COVER.

| | | | | | | | | |
|--|--|---|--|----------|------------|------------|-----------------------|----|
| drawn by: _____ SH checked by: _____ TD approved by: _____ TD QA/QC by: _____ TD project no.: 022-00393 TD drawing no.: E NDET 02200393 TD date: 12/22/2023 TD | | SITE LIGHTING SPECIFICATIONS | | REV. NO. | | DATE | REVISIONS DESCRIPTION | BY |
| | | LEE'S SUMMIT DOWNTOWN MARKET GREEN STREET - 2ND STREET TO 3RD STREET | | 1 | 12-22-2023 | ADDENDUM 1 | | |
| LEE'S SUMMIT, MO | | | | 2023 | | REVISIONS | | |
| SHEET E401 | | olsson Olsson - Civil Engineering Missouri Certificate of Authority #0001592 1301 Burlington Street North Kansas City, MO 64116 TEL 816.351.1177 www.olsson.com | | | | | | |

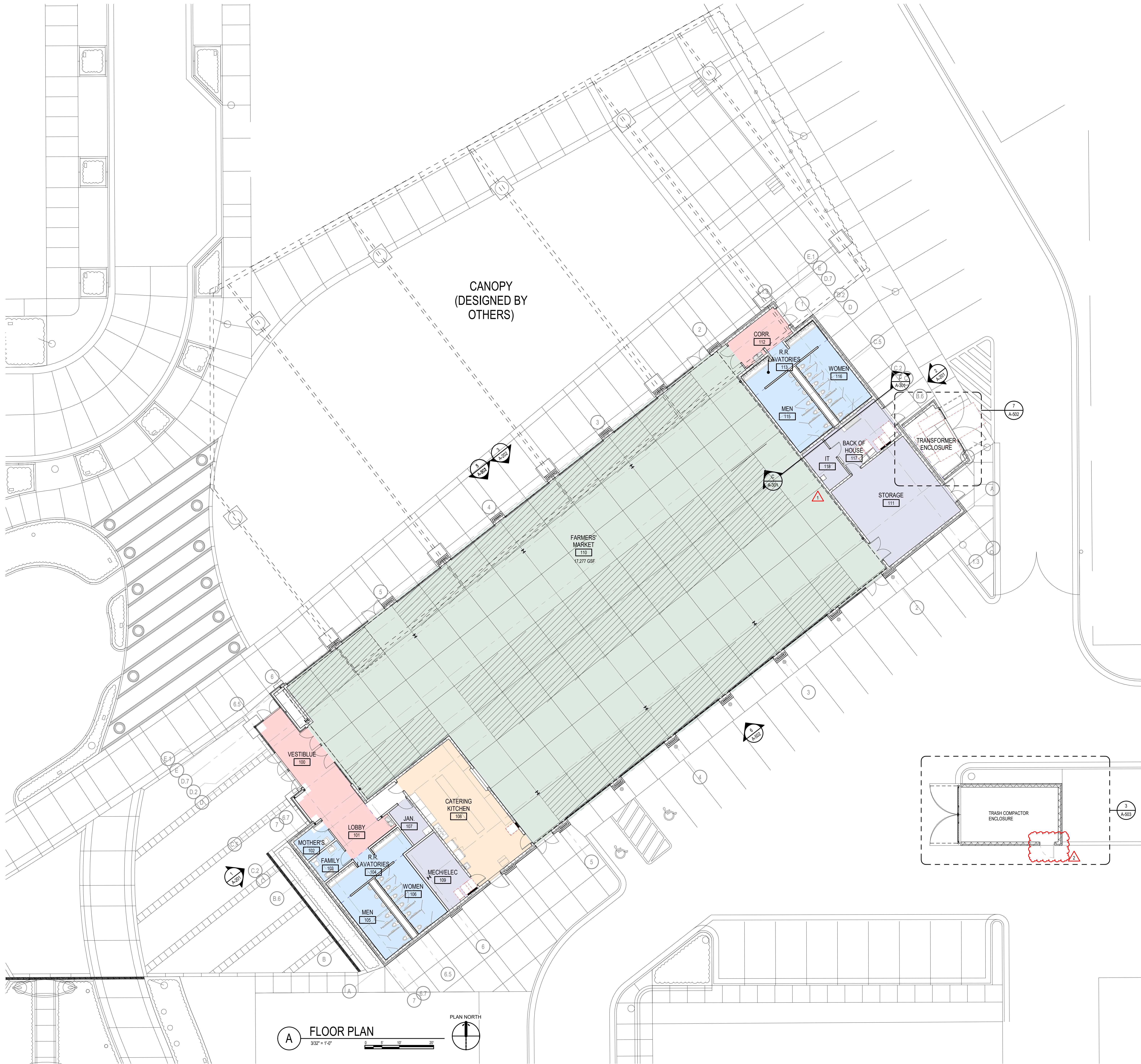
CITY OF LEE'S SUMMIT
LEE'S SUMMIT - MARKET PLAZA
LEE'S SUMMIT, MO

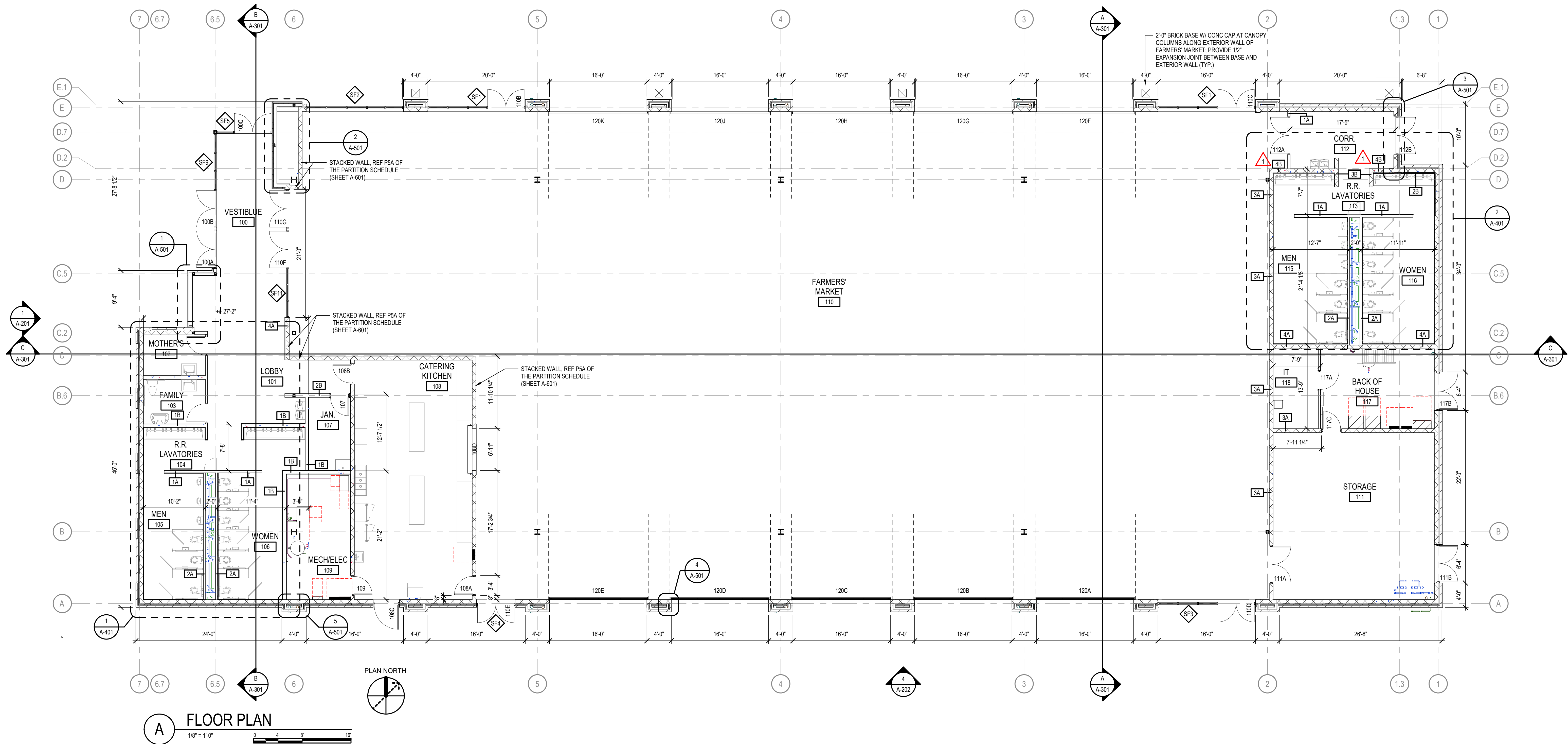
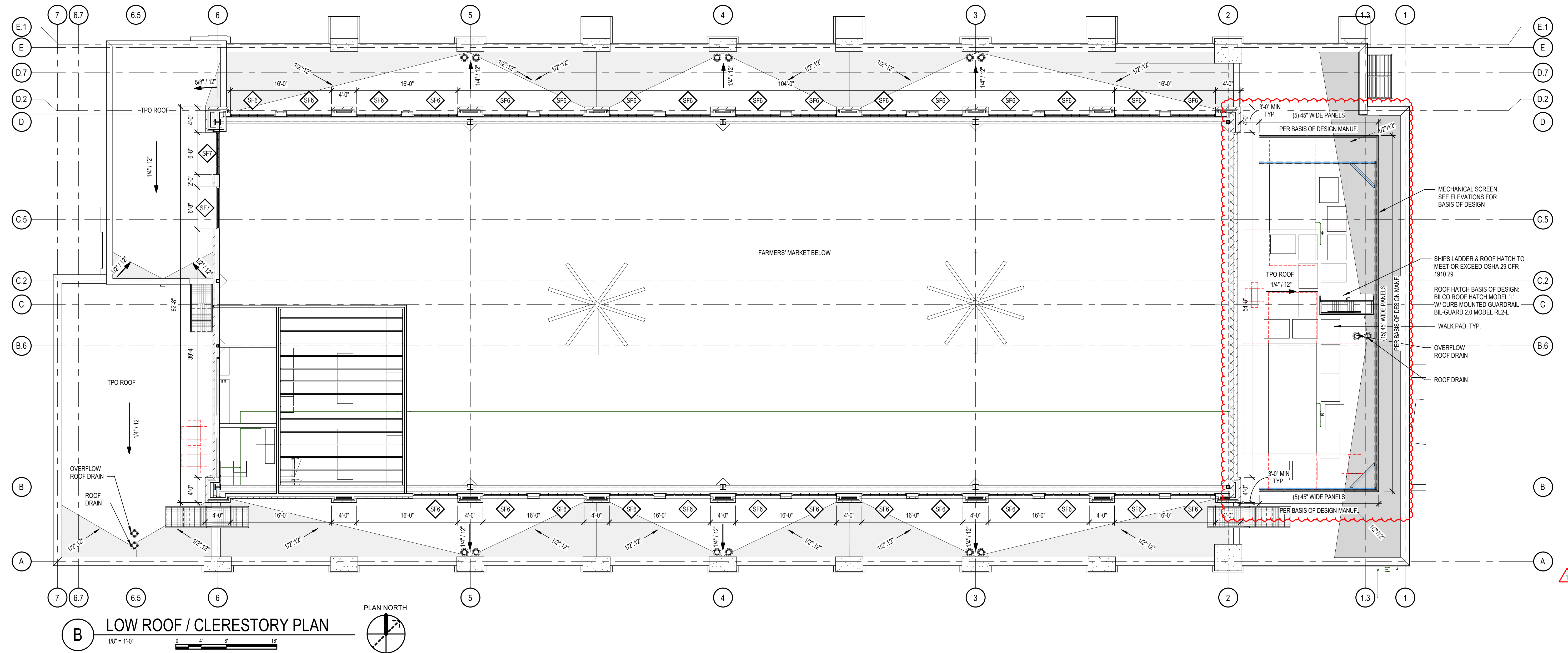
| | | |
|-------------------------|-------------|------------|
| 2 | ADDENDUM 2 | 01/11/24 |
| 1 | ADDENDUM 1 | 12/22/23 |
| 1 | DESCRIPTION | DATE |
| PROJECT NO: 1822SR21006 | | |
| STATUS: | | PERMIT SET |
| DATE: | | 11/01/2023 |
| DRAWN BY: | | B. VINCENT |
| CHECKED BY: | | C. PRUENTE |

© GLMV Architecture, Inc.
All work herein is the property of GLMV Architecture, Inc. and is not to be copied or used in any way without the express written consent of GLMV Architecture, Inc.

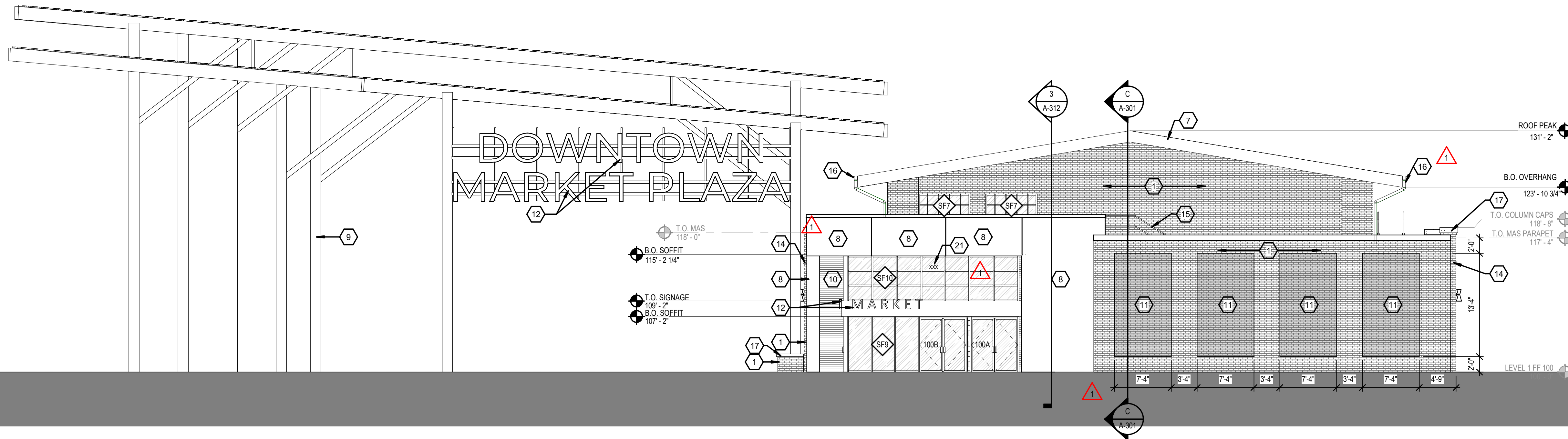
CONTEXTUAL
FLOOR PLAN

A-100

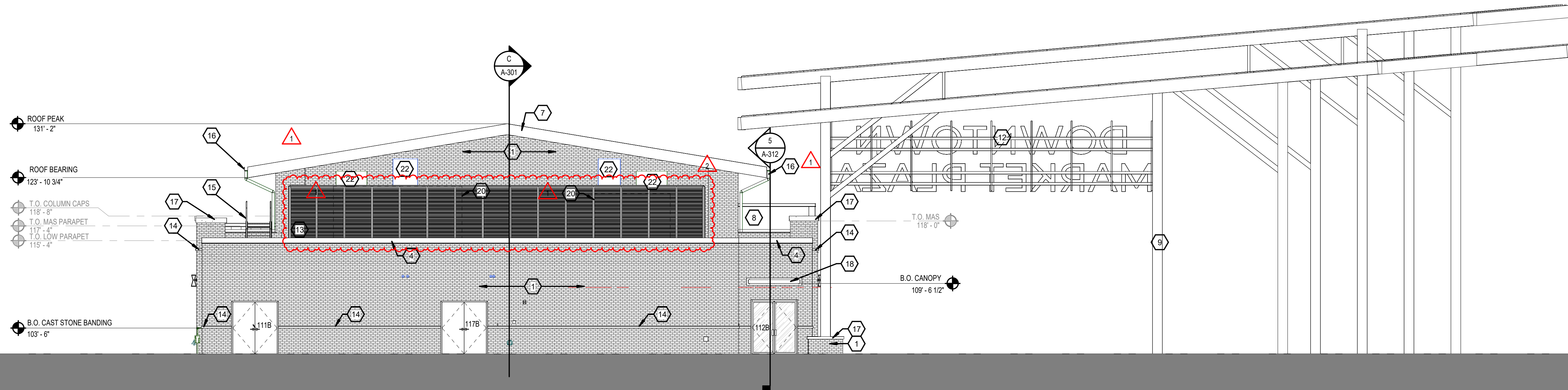




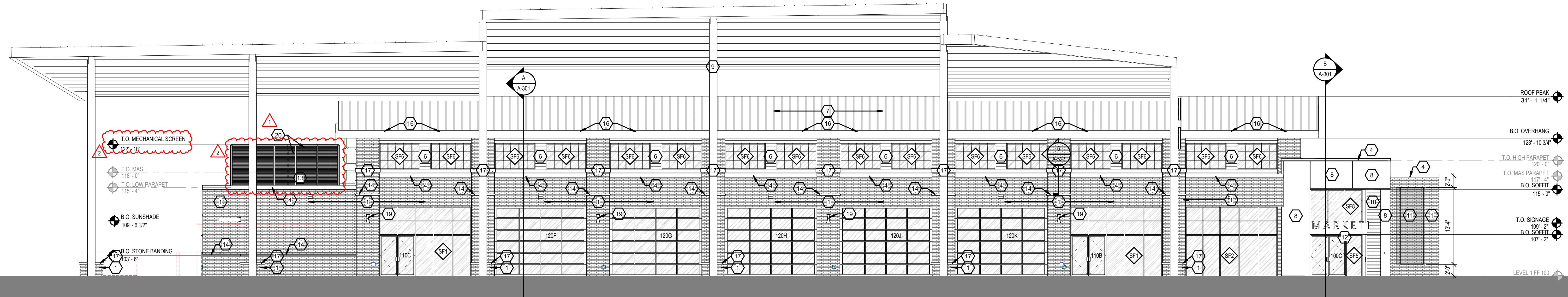
| ELEVATION KEYNOTES | |
|--------------------|--|
| NUMBER | MATERIAL |
| 1 | BRICK - MODULAR BERWICK BLEND |
| 2 | STOREFRONT SYSTEM - DARK BRONZE |
| 3 | STOREFRONT - DARK BRONZE |
| 4 | PRE MANUFACTURED CONTINUOUS CLEAT COPING CAP |
| 5 | OVERHEAD GARAGE DOOR |
| 6 | FIBER CEMENT PANEL - BASIS OF DESIGN NICHHA, RIBBED, INDIGO |
| 8 | STANDING SEAM METAL ROOF |
| 9 | BACK LIT RAINSCREEN - BASIS OF DESIGN MOZ DESIGNS (BACKLIT METAL PANEL (CUSTOM), LASER CUT - SKYLINE PATTERN, CLASSIC ELECTRIC RED FOG |
| 10 | PAINTED STEEL - DARK BRONZE |
| 11 | EXTRUDED ALUMINUM - LIGHT CHERRY WOOD GRAIN |
| 12 | CHANGEABLE ART INSTALLATION - BRICK ACCENT |
| 13 | SIGNAGE - INTERNAL ILLUMINATED CHANNEL LETTERS |
| 14 | MECHANICAL SCREEN - BASIS OF DESIGN: CITYSCAPES ENVISOR PERIMETER WALL; LOUVER; ACRYLIC CAP ABS; STACKED 52" PANELS; 3-SIDED SYSTEM; STACKED PANEL W/3" FLAT BAND; DARK BRONZE |
| 15 | CAST STONE PARAPET |
| 16 | PREFAB STAIR, REF SPECS |
| 17 | PREFINISHED 6"x8" MTL GUTTER & 4" DOWNSPOUTS, PROVIDE SPLASH BLOCKS AT BOTTOM OF DOWNSPOUTS |
| 18 | CAST STONE COLUMN CAP |
| 19 | PREFABRICATED CANOPY |
| 20 | EXTERIOR WALL SCONCE, REF ELEC. |
| 21 | RTU - REF MECH |
| 22 | ADDRESS SIGNAGE - 4" MIN VINYL ARABIC NUMBERS, MIN. STROKE WIDTH OF 0.5" APPEARANCE AND ADDRESS CONTINGENT ON CITY APPROVAL REQ. |
| 23 | MECHANICAL RECTANGULAR DUCT |



1 SOUTHWEST ELEVATION
1/8" = 1'-0"



2 NORTHEAST ELEVATION
1/8" = 1'-0"



3 NORTHWEST ELEVATION
1/8" = 1'-0"

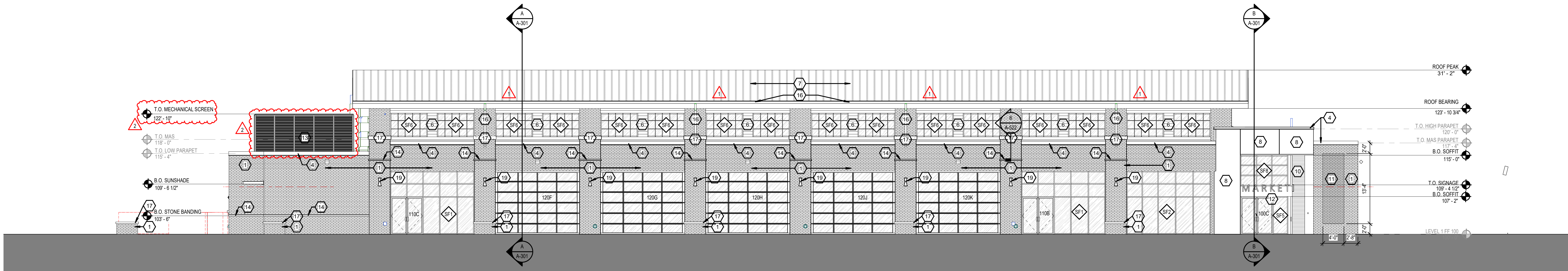
CITY OF LEE'S SUMMIT
LEE'S SUMMIT - MARKET PLAZA
LEE'S SUMMIT, MO

| 2 | ADDENDUM 2 | 01/11/24 |
|-------------|-------------|----------|
| 1 | ADDENDUM 1 | 12/22/23 |
| DESCRIPTION | DATE | |
| PROJECT NO: | 1822SR21006 | |
| STATUS: | PERMIT SET | |
| DATE: | 11/01/2023 | |
| DRAWN BY: | B. VINCENT | |
| CHECKED BY: | C. PRUENTE | |

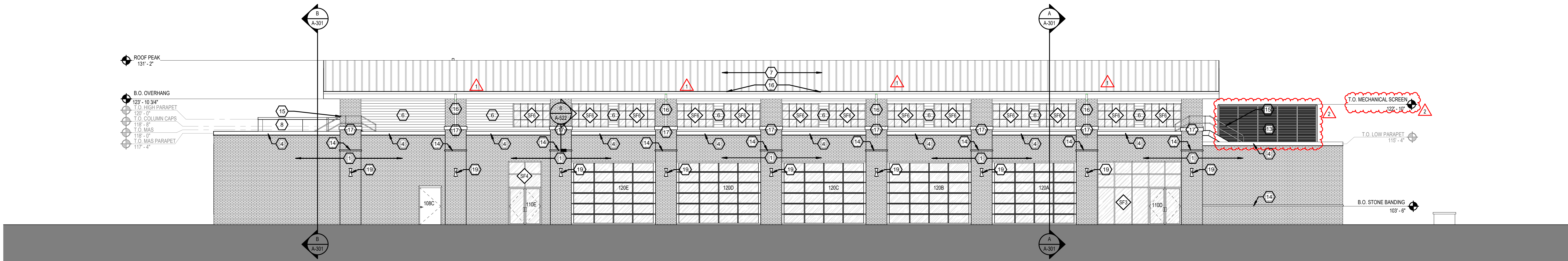
© GLMV Architecture, Inc.
All work herein is the property of GLMV Architecture, Inc. and is not to be copied or used in any way without the express written consent of GLMV Architecture, Inc.

EXTERIOR
ELEVATIONS

A-201



3 NORTHWEST ELEVATION W/O CANOPY
1/8" = 1'-0"



4 SOUTHEAST ELEVATION W/O CANOPY
1/8" = 1'-0"

| ELEVATION KEYNOTES | |
|--------------------|--|
| NUMBER | MATERIAL |
| 1 | BRICK - MODULAR BERWICK BLEND |
| 2 | STOREFRONT SYSTEM - DARK BRONZE |
| 3 | STOREFRONT - DARK BRONZE |
| 4 | PRE MANUFACTURED CONTINUOUS CLEAT COPING CAP |
| 5 | OVERHEAD GARAGE DOOR |
| 6 | FIBER CEMENT PANEL - BASIS OF DESIGN NICHHA; RIBBED; INDIGO |
| 7 | STANDING SEAM METAL ROOF |
| 8 | BACK LIT RAINSCREEN - BASIS OF DESIGN MOZ DESIGNS BACKLIT METAL PANEL (CUSTOM) LASER CUT - SKYLINE PATTERN; CLASSIC ELECTRIC RED FOG |
| 9 | PAINTED STEEL - DARK BRONZE |
| 10 | EXTRUDED ALUMINUM - LIGHT CHERRY WOOD GRAIN |
| 11 | CHANGEABLE ART INSTALLATION - BRICK ACCENT |
| 12 | SIGNAGE - INTERNALLY ILLUMINATED CHANNEL LETTERS |
| 13 | MECHANICAL SCREEN - BASIS OF DESIGN: CITYSCAPES ENVISOR PERIMETER WALL; LOUVER; ACRYLIC CAP ABS; STACKED 52" PANELS; 3-SIDED SYSTEM; STACKED PANEL W/3" FLAT BAND; DARK BRONZE |
| 14 | CAST STONE PARAPET |
| 15 | PREFAB STAIR, REF SPECS |
| 16 | PREFINISHED 6"x6" MTL GUTTER & 4" DOWNSPOUTS. PROVIDE SPLASH BLOCKS AT BOTTOM OF DOWNSPOUTS |
| 17 | CAST STONE COLUMN CAP |
| 18 | PREFABRICATED CANOPY |
| 19 | EXTERIOR WALL SCONCE, REF ELEC. |
| 20 | RTU - REF MECH |
| 21 | ADDRESS SIGNAGE - 4" MIN VINYL ARABIC NUMBERS, MIN. STROKE WIDTH OF 0.5". APPEARANCE AND ADDRESS CONTINGENT ON CITY APPROVAL REQ. |
| 22 | MECHANICAL RECTANGULAR DUCT |

CITY OF LEE'S SUMMIT
LEE'S SUMMIT - MARKET PLAZA
LEE'S SUMMIT, MO

EXTERIOR ELEVATIONS

A-202