

Shilling Park

14469 Rev. Maurice Cotton Drive, Lathrop, CA

City of Lathrop Public Works Department



Landscape Improvement Plans



Prepared for:
City of Lathrop
390 Towne Centre Drive
Lathrop, CA 95330
(209) 941-7200

Project:
SHILLING PARK
14469 REV. MAURICE COTTON DRIVE, LATHROP, CA

Revision:
1 Addendum 1 5/25/23

Date: 04 May 2023
Drawn: RSH
Checked: RSH
Project No.: 22-021
Scale: none

Sheet:
Cover Sheet

L0.1

VICINITY MAP



ABBREVIATIONS

| | | | | | |
|-----------|------------------------------------|----------|----------------------------|------------|-------------------------------|
| AB | AGGREGATE BASE OR ANCHOR BOLT | IE | INVERT ELEVATION | REC | RECOMMENDED OR RECOMMENDATION |
| AC | ASPHALTIC CONCRETE | INT | INTERSECTION | REF | REFERENCE |
| ACP | ASPHALTIC CONCRETE PAVING/PAVEMENT | INV | INVERT | REM | REMOVE |
| ADJ | ADJACENT | L | LENGTH | REQ, REC'D | REQUIRED |
| ALT | ALTERNATE | LH | LEFT HAND | REV | REVISION(S), REVISED |
| AP | ANGLE POINT | LP | LOW POINT | RH | RIGHT HAND |
| APPROX | APPROXIMATE | LT | LEFT | ROW | RIGHTOFWAY |
| BLDG | BUILDING | MAT'L | MATERIAL | RT | RIGHT |
| CB | CATCH BASIN | MAX | MAXIMUM | S | SLOPE |
| CF | CUBIC FOOT | MED | MEDIUM | SCH | SCHEDULE |
| C/L, CL | CENTERLINE | MFR | MANUFACTURE(R) | SD | STORM DRAIN |
| CLR | CLEAR | MIN | MINIMUM | SE | SOUTHEAST |
| CONC | CONCRETE | MISC | MISCELLANEOUS | SG | SUB-GRADE |
| CONST | CONSTRUCTION | ML | MAINLINE | SHT | SHEET |
| CONT | CONTINUOUS, CONTINUE | (N) | NEW | SIM | SIMILAR |
| CTR | CENTER | N/A | NOT APPLICABLE | SL | SLOPE |
| DI | DRAIN INLET | NIC | NOT IN CONTRACT | SPEC | SPECIFICATION(S) |
| DIA | DIAMETER | NO | NUMBER | SQ | SQUARE |
| DWG | DRAWING | NTS | NOT TO SCALE | SF | SQUARE FEET |
| EA | EACH | OC | ON CENTER | SS | SANITARY SEWER |
| EJ, EX JT | EXPANSION JOINT | OD | OUTSIDE DIAMETER | STD | STANDARD |
| ELECT | ELECTRICAL | OH | OVERHEAD | SURF | SURFACE |
| EP | EDGE OF PAVEMENT | OPP | OPPOSITE | SW | SOUTHWEST |
| EQ | EQUAL | OPT | OPTIONAL | SWCL | SIDEWALK CENTERLINE |
| EX | EXISTING | PA, PLTR | PLANTER AREA | SYS | SYSTEM |
| EXIST | EXISTING | PC | POINT OF CURVE | TBC | TOP BACK OF CURB |
| (E) | EXISTING | PERF | PERFORATED | TC | TOP OF CURB |
| FD | FRENCH DRAIN | PERP | PERPENDICULAR | TS | TOP OF STEP |
| FES | FLARED END SECTION | PL | PROPERTY LINE | TS | TUBE STEEL |
| FF | FINISHED FLOOR | POB | POINT OF BEGINNING | TW | TOP OF WALL |
| FFE | FINISHED FLOOR ELEVATION | POC | POINT OF CONNECTION | TYP | TYPICAL |
| FG | FINISHED GRADE | PRC | POINT OF REVERSE CURVE | UON | UNLESS OTHERWISE NOTED |
| FL | FLOW LINE | PROP | PROPOSED | VAR | VARIES |
| FS | FINISHED SURFACE | PT | POINT, POINT OF TANGENCY | W | WATER |
| FTG | FOOTING | ¼PT | QUARTER POINT ON ARC | W/ | WITH |
| FUT | FUTURE | ½PT | HALF POINT ON ARC | W/O | WITHOUT |
| GB | GRADE BREAK | ¾PT | THREE-QUARTER POINT ON ARC | | |
| GPH | GALLONS PER HOUR | PSI | POUNDS PER SQUARE INCH | | |
| GPM | GALLONS PER MINUTE | PUE | PUBLIC UTILITIES EASEMENT | | |
| GR | GRATE | PVC | POLYVINYL CHLORIDE | | |
| HP | HIGH POINT | RAD | RADIUS | | |
| ID | INSIDE DIAMETER | REBAR | REINFORCING BAR | | |

GENERAL NOTES

- The landscape drawings are part of and intended to be complementary to the drawings of the civil engineer and of other disciplines. Prior to start of Work, review all drawings, documents, and reports associated with this project and coordinate the work of the landscape drawings with the work of the other disciplines as necessary to ensure a fully complete and coordinated installation.
- Prior to start of work, thoroughly review all Contract Documents and become thoroughly familiar with the requirements and the intent of these documents including all contract requirements.
- Prior to start of any work, obtain all necessary permits from the City, State and all other agencies having jurisdiction over the work.
- Prior to start of construction and as necessary throughout the progress of the Work, contact the Underground Service Alert with minimum 48 hours notice, and have all underground utilities and facilities marked in the field and verify by pot holing, the types, locations, sizes and/or depth of existing utilities within the work area. In the event existing utilities are discovered to be in conflict with the work required of the Contract Documents, immediately notify the Owner and the affected utility company in the most expeditious means available and later confirm in writing. Determine exact locations of all utilities and facilities and implement appropriate and effective measures to protect them.
- Protect all existing monuments and other survey markers on the project site. Record the location of all monuments and other survey markers prior to the start of work. All such monuments or markers disturbed or destroyed during construction shall be replaced by a licensed surveyor at the Contractor's expense.
- If during the course of any excavation evidence of archaeological resources including but not limited to artifacts and human remains are encountered, immediately stop all work and activities that may damage or destroy such resources and notify the Owner. Do not re-start affected work and activities until the Owner has provided direction to do so.
- All work shall conform to applicable governing codes. At commencement of construction Owner and Contractor shall be responsible to consult with applicable agencies to determine if applicable codes, regulations, or governing ordinances have changed and determine if changes to the plans are required to comply with requirements. Changes to plans for updating due to these changes shall be solely the responsibility of the Owner.
- All traffic controls shall be in conformance with Caltrans Manual of Traffic Controls and these Contract Documents. Verify all work described in the Drawings for dimension, grade, extent, and compatibility with existing site conditions. Any discrepancies and unexpected conditions that affect or change the work described in the contract documents shall be brought to the Landscape Architect's attention immediately. Do not proceed with the work in the area of discrepancies until all such discrepancies are resolved. Proceeding with affected work prior to acceptable resolution will be at Contractor's own risk and may require the Contractor to remove and replace work and execute extra work at no additional cost to the Owner.
- Omissions from the Drawings or Specifications or the misdescription of any work, which is manifestly necessary to carry out the intent of the Drawings and Specifications, or which is customarily performed, shall not relieve the Contractor from performing such omitted or described details of the work. Contractor shall perform such work as if fully and completely set forth and described in the drawings and specifications.
- Written dimensions shall take precedence over drawing scale or proportion. Larger scale drawings shall take precedence over small scale drawings.
- Removal and replacement limits of any existing feature shown on the Drawings are for general reference only. Actual limits shall be as required by the new work and shall be verified in the field with Owner.
- RECORD DRAWINGS: Maintain one set of Contract Documents on site for use in documenting current progress of work and all changes. Document progress and changes with red, indelible ink. Make documents available to Landscape Architect for review at all site visits and as requested. Draft all changes in CAD files copy and note changes to specifications on copies of the original specifications using indelible black or red ink as directed. Unless otherwise specified, these shall serve as the Record Documents that must be submitted prior to final payment. The Owner may have other work within this project area being executed under separate contracts by other contractors ("others") concurrently with the execution of work covered by these documents. Contractor shall coordinate work of this contract with work of others as necessary to ensure the proper interface of this work with work of others and by such means, methods, and timing that the work of others is not impeded.

SHEET INDEX

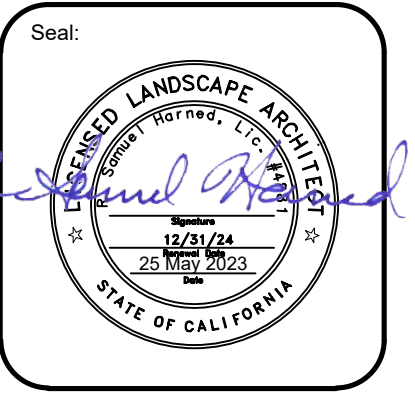
- L0.1 - COVER SHEET
- L0.2 - LANDSCAPE NOTES
- L1.1 - SITE CONSTRUCTION PLAN
- L1.2 - LANDSCAPE DRAINAGE AND GRADING PLAN
- L2.1 - L2.15 SITE CONSTRUCTION DETAILS
- L3.1 - IRRIGATION PLAN
- L4.1 - PLANTING PLAN
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- L7.1 - WELO NOTES AND CALCULATIONS

PROJECT INFORMATION

Project Name: Shilling Park
 Project Applicant: City of Lathrop
 Project Address: 14469 Rev. Maurice Cotton Drive Lathrop, CA
 Total Landscape Area: 34,861 sf
 Project Type: Private Commercial
 Water Supply: Municipal Potable
 Owner Information:
 City of Lathrop - Public Works Department
 390 Towne Centre Drive
 Lathrop, CA 95330
 (209) 941-7200
 Contact: Ken Reed



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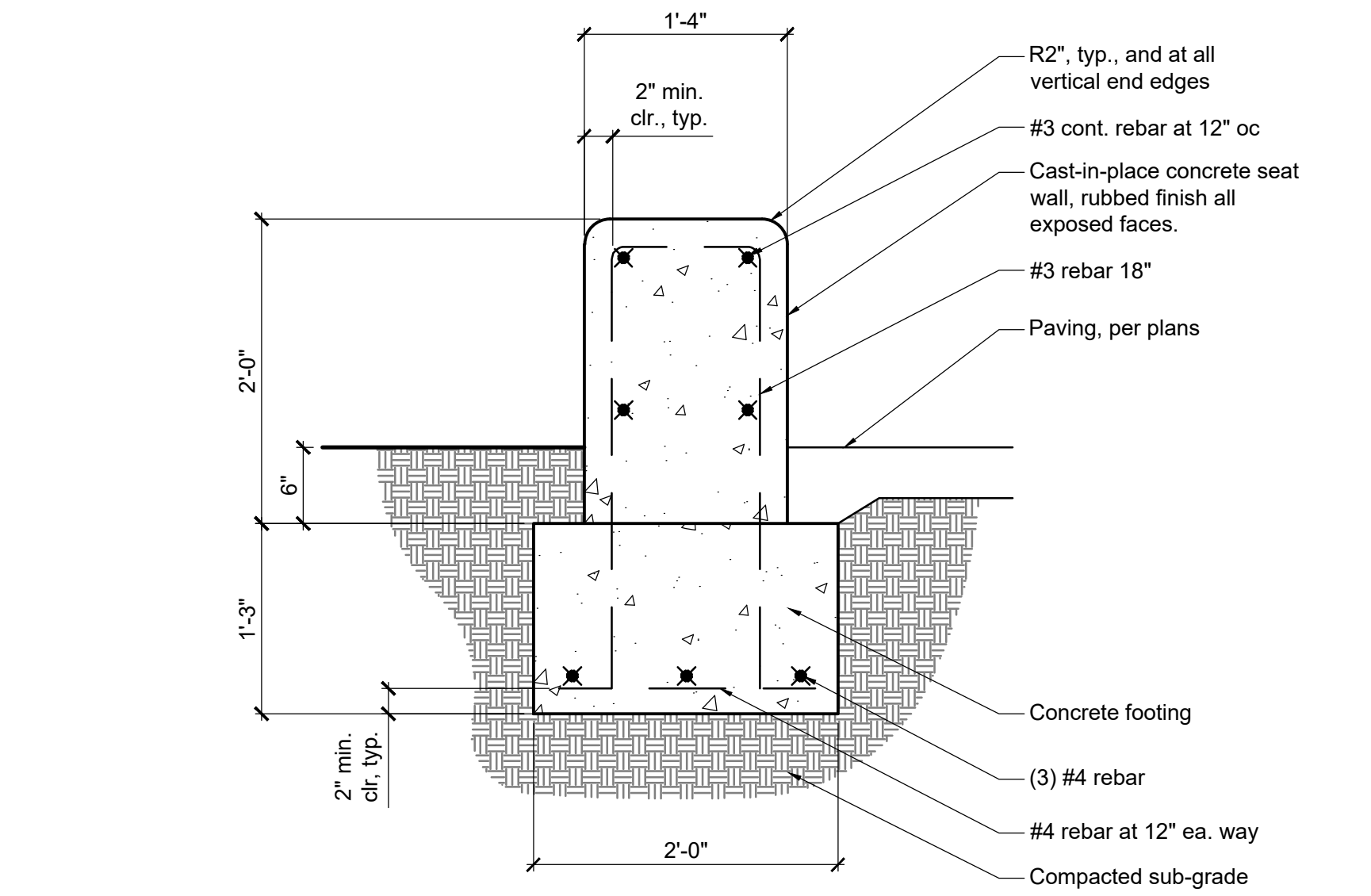
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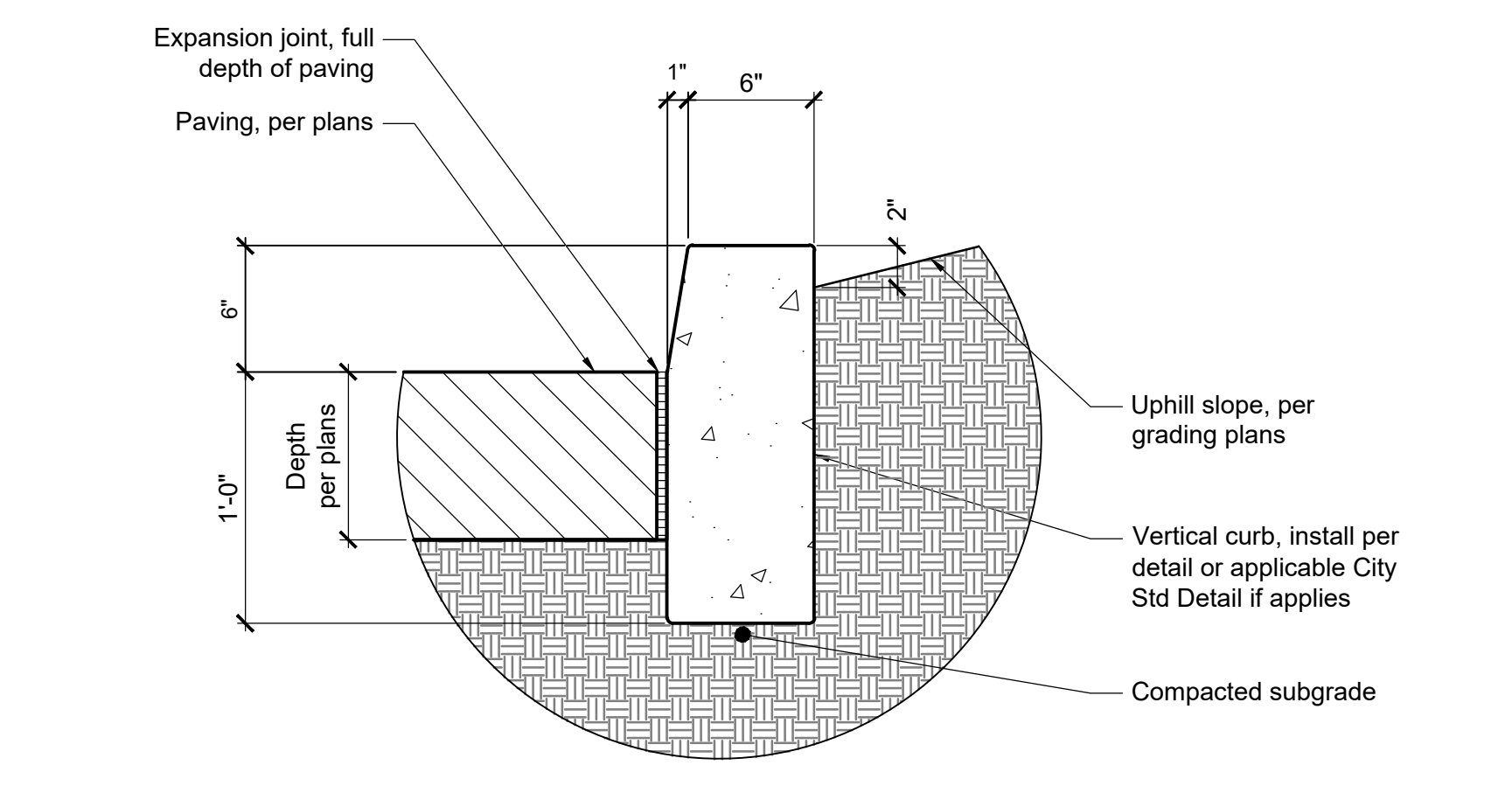
Date: 04 May 2023
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Scale: As shown

Sheet:
**Site
Construction
Details**

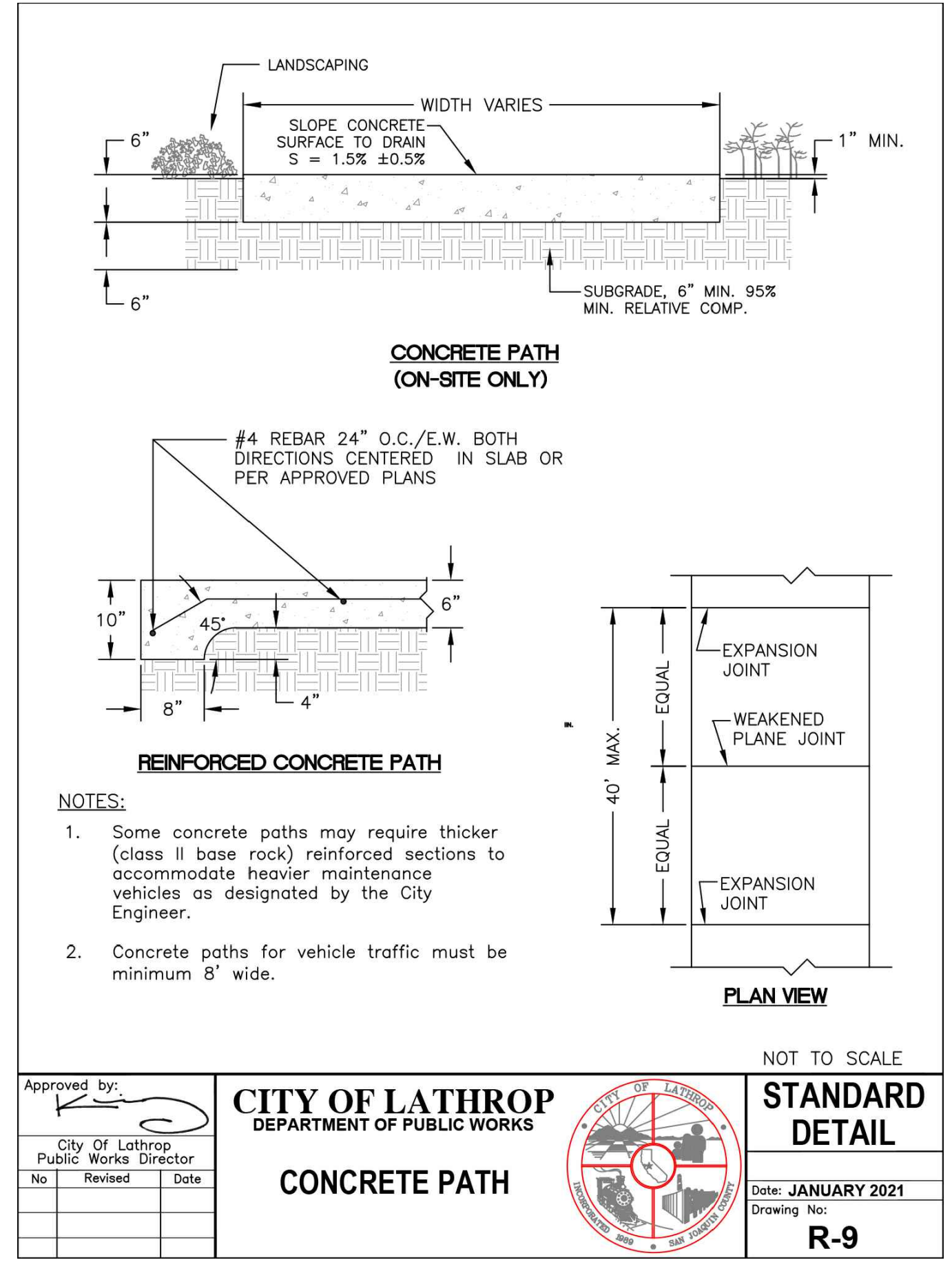
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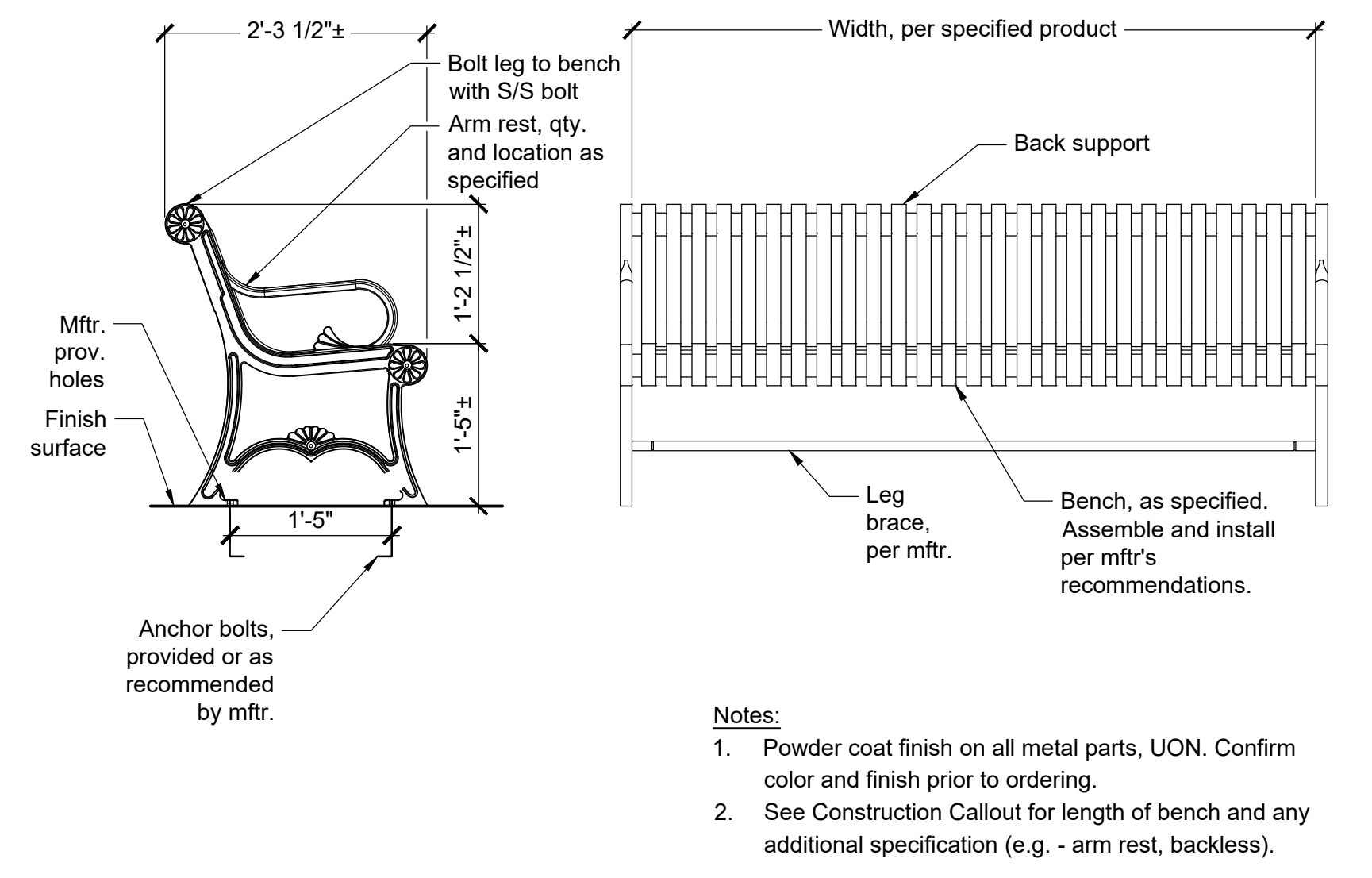
5 SEAT WALL - C.I.P CONCRETE
1" = 1'-0" 033373.13-03



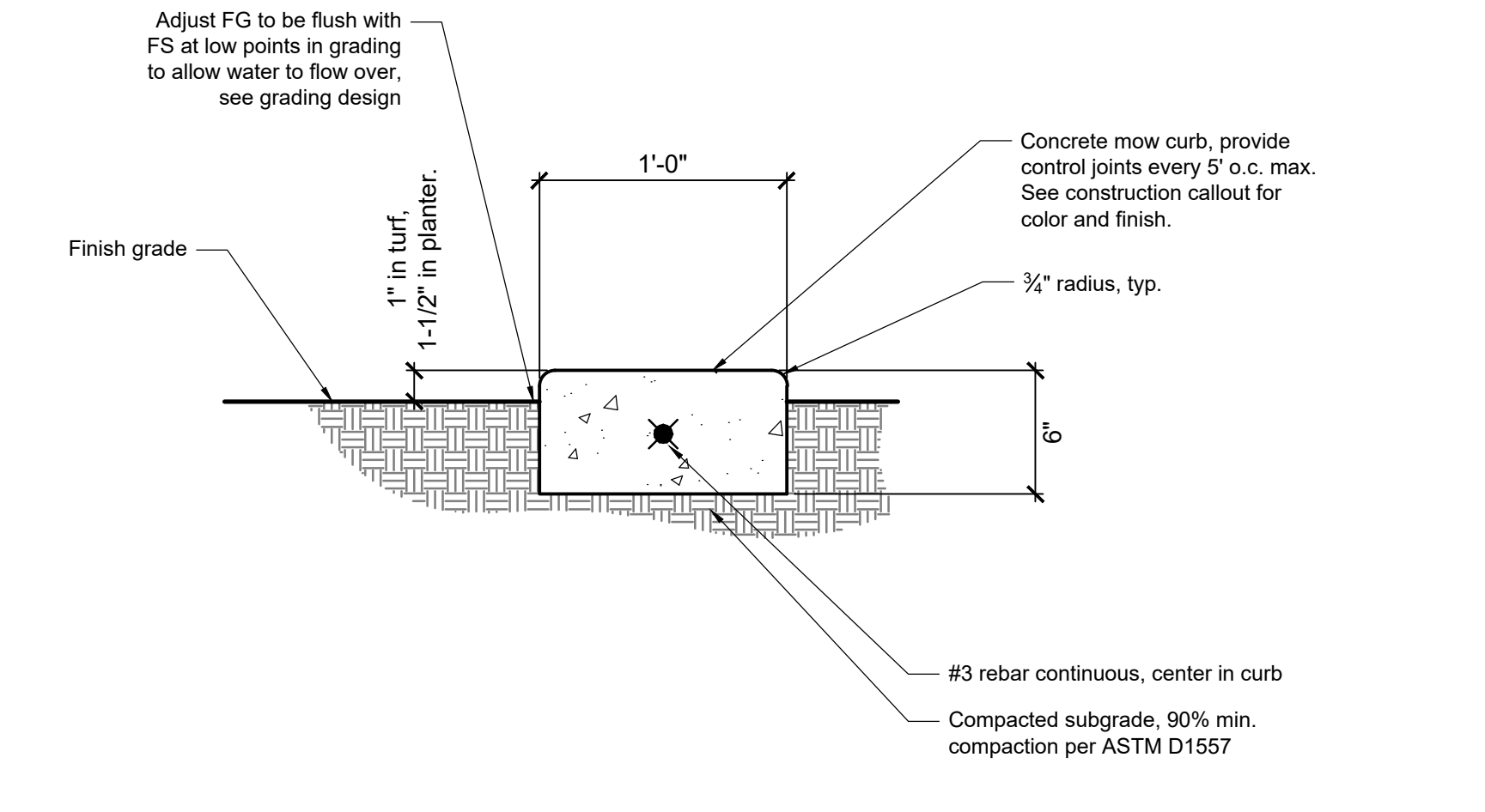
2 VERTICAL CURB AT PAVING EDGE
1 1/2" = 1'-0" 321313.13-11



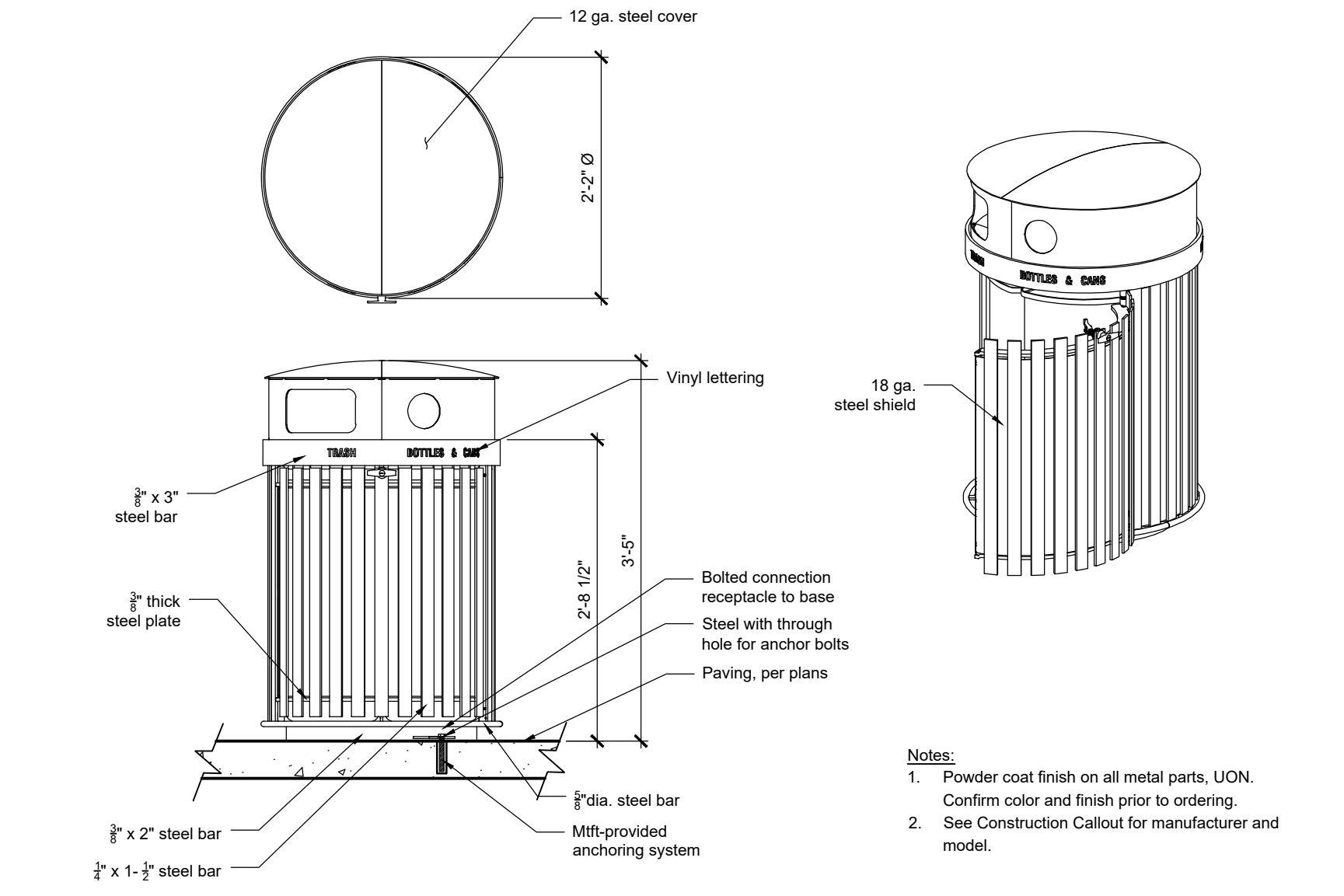
1 CONCRETE PATH - CITY STD. DETAIL R-9
nts P-PA1-SHI-04



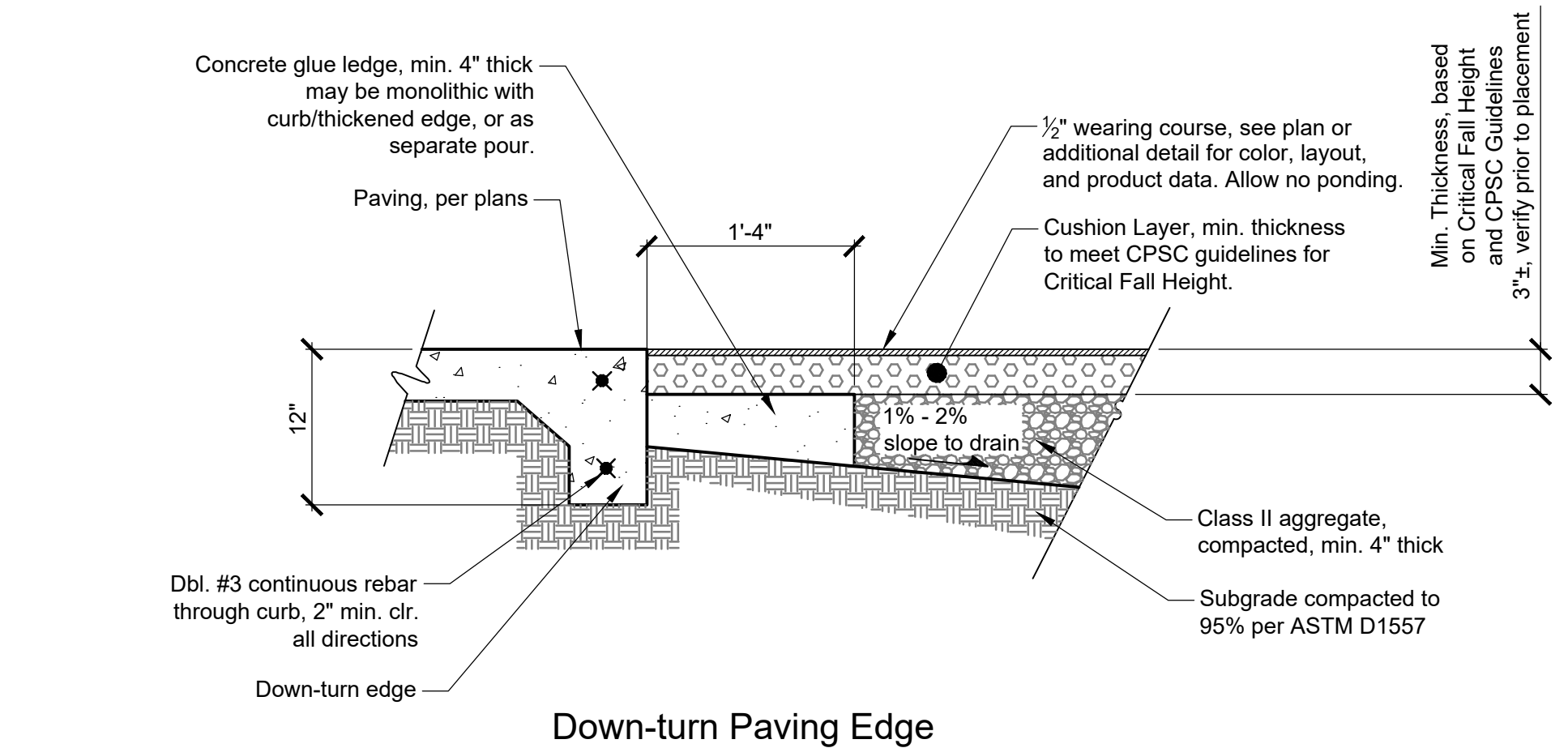
6 BENCH - SURFACE MOUNT
3/4" = 1'-0" 129343.13-03



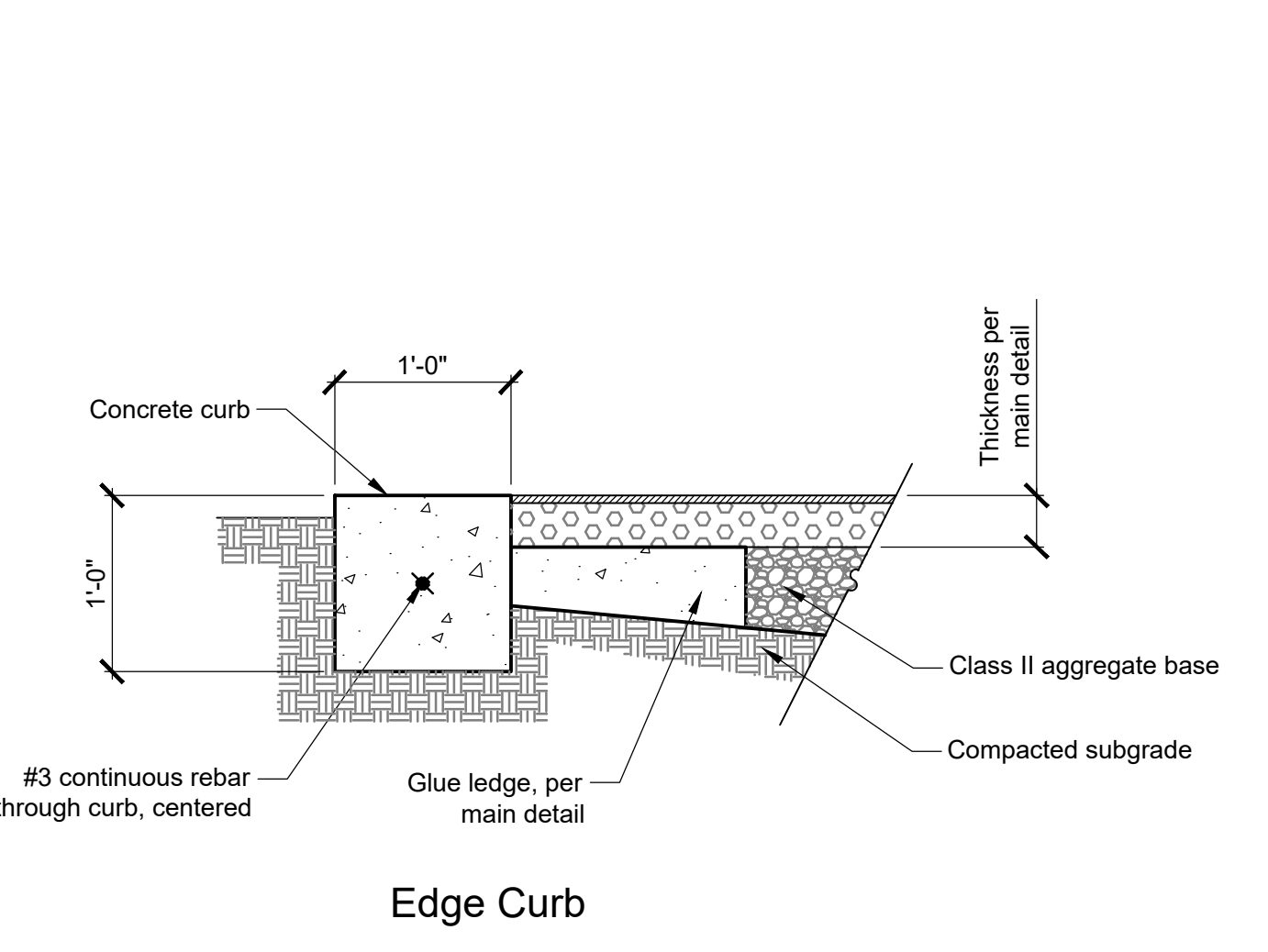
3 MOW CURB - 12"
1 1/2" = 1'-0" 329413.19-13



7 SPLIT TRASH/RECYCLE RECEPTACLE - SURFACE MOUNT
3/4" = 1'-0" 129323-06

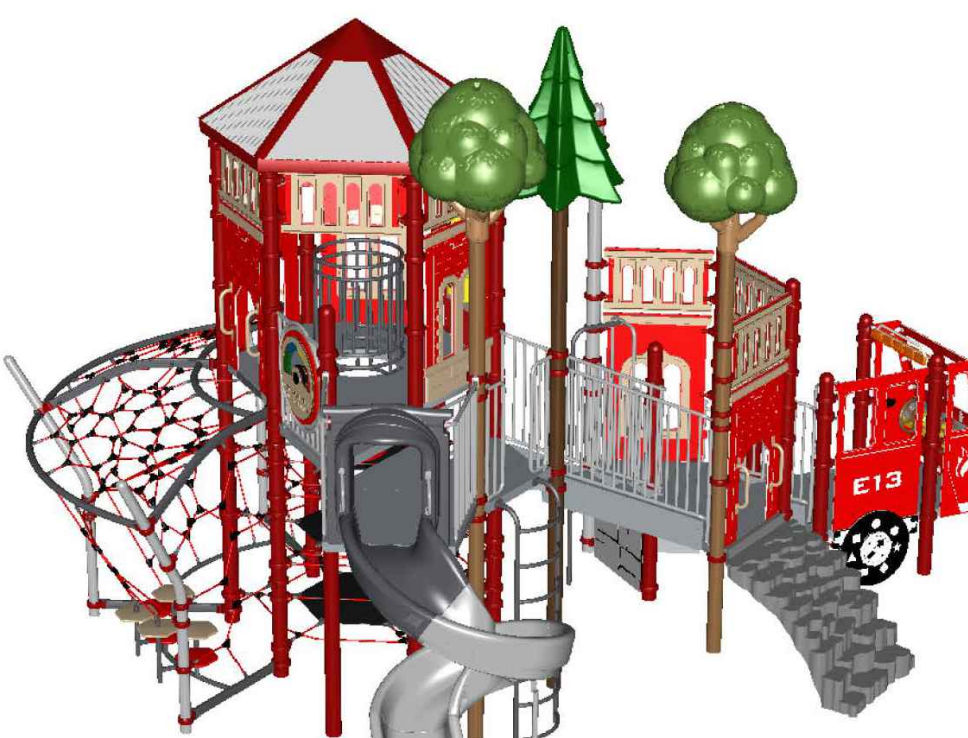


4 POURED-IN-PLACE RUBBERIZED PLAYGROUND SURFACING
1" = 1'-0" 321816.13-05



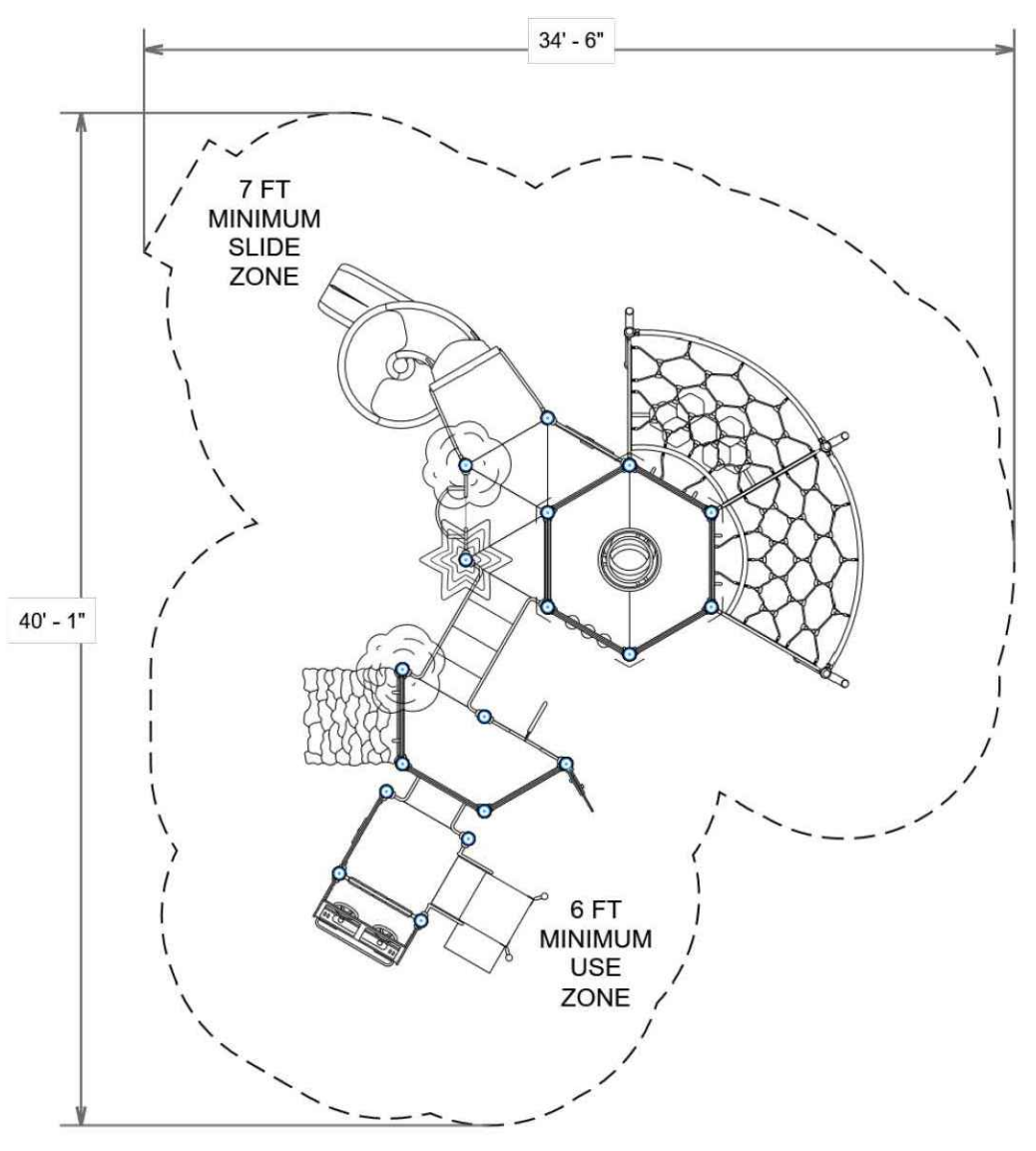
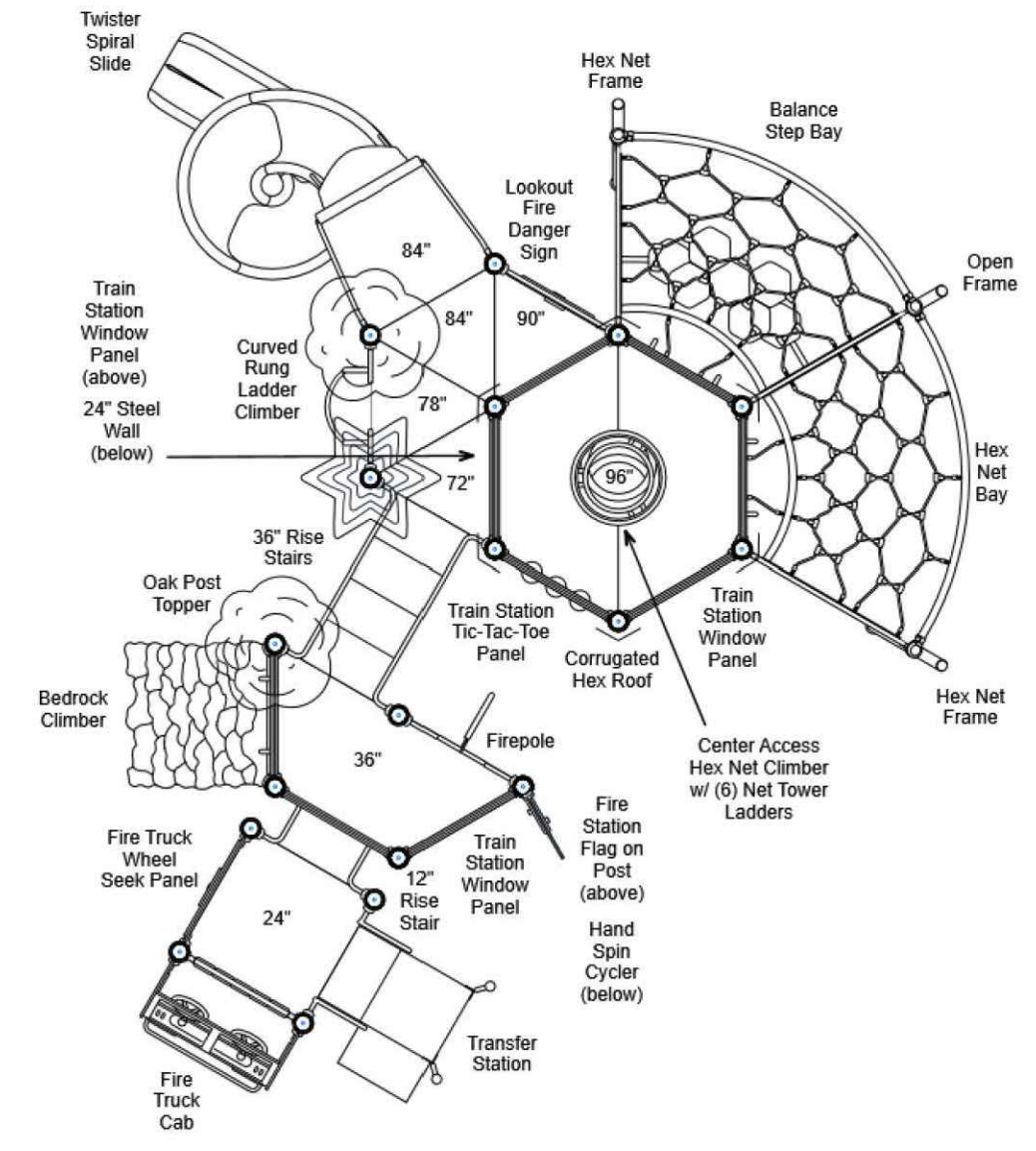
1 EDGE CURB

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| Item | Description | Quantity |
|------------------|-------------------------------------|----------|
| R50AC68FA | | |
| HS-1004-R | Collars | 159 |
| GF-7002 | Dome Cap, R5 | 9 |
| S-1010-R5-10ft | Post, 10ft R5 | 4 |
| S-1011-R5-11ft | Post, 11ft R5 | 1 |
| S-1013-R5-13ft | Post, 13ft R5 | 2 |
| S-1015-R5-15ft | Post, 15ft R5 | 1 |
| S-1017-R5-17ft | Post, 17ft R5 | 1 |
| S-1018-R5-18ft | Post, 18ft R5 | 6 |
| S-1019-R5-19ft | Post, 19ft R5 | 1 |
| S-1021-R5-21ft | Post, 21ft R5 | 2 |
| S-1101-R5 | Square Deck | 1 |
| S-1102-R5 | Tri-Deck | 4 |
| S-1103-R5 | Hex Deck, Half (5 Post) | 1 |
| S-1206-12R5 | ADA Stairs, 12in Rise w/ Walls | 1 |
| S-1206-36R5 | ADA Stairs, 36in Rise w/ Walls | 1 |
| S-1209-12-R5 | Transfer Station, 24in-L | 1 |
| S-1213-3R | Climber, Firepole 30-36in | 1 |
| S-1228-3 | Climber, Bedrock 36in | 1 |
| S-1282-7 | Climber, Curved Rung Ladder 78-84in | 1 |
| S-1293-R5 | Net Tower Ladder | 6 |
| S-1301-24R5 | Wall, Steel (24in) | 1 |
| S-1309-2-R5 | Half Walls (Pair) R5 | 1 |
| S-1310-R5 | Transition Wall | 1 |
| S-1360-1672-FIRE | Fire Danger Sign | 1 |
| S-1623-DC-CAB | Fire Truck Cab | 1 |
| S-1623-DC-WSP | Fire Truck Wheel Seek Panel | 1 |
| S-1672-30B | Base Rock | 2 |
| S-1689-TSAP | Train Station Access Panel | 3 |
| S-1689-TTTP | Train Station 11c-12c-Toe Panel | 1 |
| S-1689-TSWP | Train Station Window Panel | 3 |
| S-1689-TSHUB | Train Station Window Upper Barrier | 9 |
| S-1706-S7L-R5 | Slide, Twister Spiral 84in (L) | 1 |
| S-18031-R5 | Metal Roof, Hex (Corrugated) | 1 |
| S-1820-R5-FIRE | Fire Station Flag - Wavy | 1 |
| S-1847-LRS | Evergreen Topper (Large) | 1 |
| S-1848-R5 | Oak Topper | 2 |
| S-1926-LRS | Center Access Hex Net Deck (6in) | 1 |
| S-1932-R5 | Hand Spin Cycler (Post Mounted) | 1 |
| S-1901 | Open Frame | 1 |
| S-1104 | Hex Net Frame | 2 |
| S-1011 | Hex Net Bay (Deck) | 1 |
| S-1012 | Balance Step Bay (Deck) | 1 |
| HS-1007-R5 | Extra Hardware | 2 |

- (1) Large Evergreen Post Topper
- (2) Oak Post Toppers
- (2) Lookout Base Rocks



Play Equipment Basis of Design
 Manufacturer: PlayCraft
 Model: R50AC68FA
 Representative: Park Planet
 Contact: Misha Holliman

- Notes:
1. Submit product data and shop drawings for approval.
 2. Install per manufacturer's recommendations and in accordance with all governing codes and guidelines.
 3. Verify entire minimum clear zone is within limits of safety surfacing; inform Owner if otherwise and do not continue installation until additional direction is provided.

PROJECT#: R50AC68FA
 DATE: 6/30/2021 | DRAWN BY:

PLAYCRAFT REP:
Playcraft Direct, Inc.

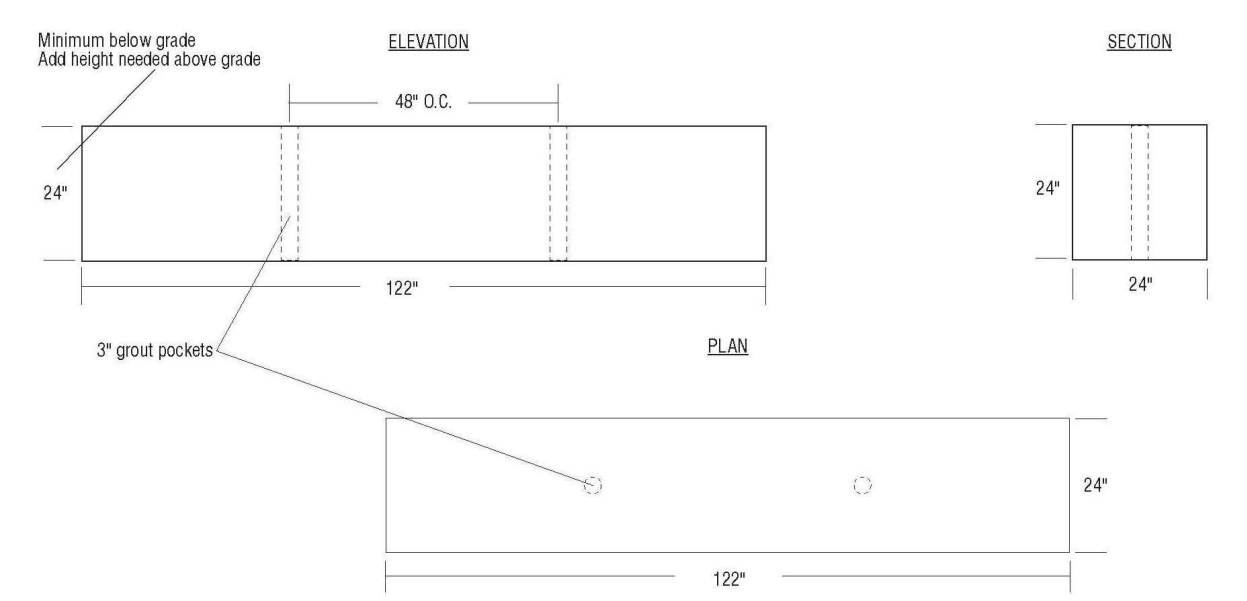
MIN. USE ZONE: 35' x 41'

4 PLAY EQUIPMENT

nts

P-PA1-SHI-02

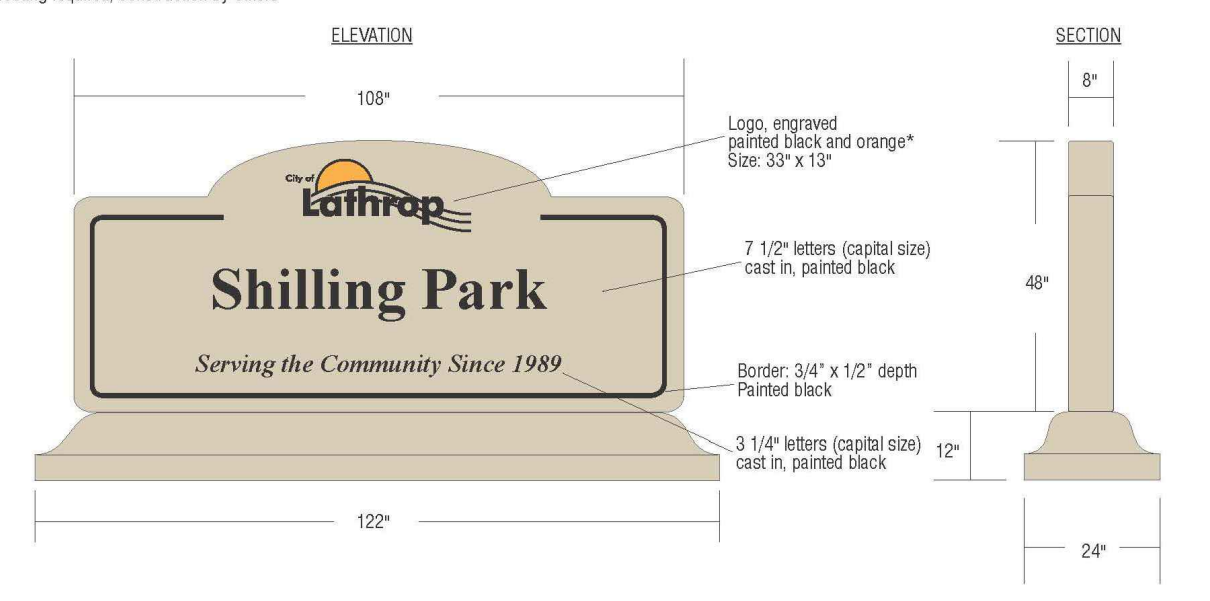
| | | |
|------------------------------|-------------------------|-----------------|
| MODEL # 705 w/BASE - FOOTING | OUTDOOR CREATIONS, INC. | SCALE: 1" = 24" |
| DATE: | DRAWN BY: MNC | |



INSTRUCTIONS FOR SIGNS WITH BASE (PIPE MOUNT)

- 1) Pour a concrete footing per detail. (SEE FOOTING PAGE) Make sure it is flat and level.
- 2) Set pipes (shipped with sign), into footing grout pockets. Do not use mortar yet as a "dry run" installation recommended.
- 3) Set base, if supplied with sign, over pipes and square up to footing.
- 4) Place sign on pipes. Do not epoxy yet as a "dry run" to check for proper fit is recommended.
- 5) If sign and base install properly then you can proceed to permanent installation that includes application of mortar/epoxy (not supplied by ODC).
- 6) Remove sign and base (if supplied) and pipes. Mix mortar and fill grout pockets 3/4 full with mortar.
- 7) Apply construction epoxy between footing and base.
- 8) Reinstall pipes and set base over pipes and square up to footing.
- 9) Place sign on pipes and prior to contact with base apply a thick bead of construction epoxy that runs in the center of the base (use pipes as guideline) the length of the sign itself.
- 10) Make any fine tuning adjustments to the sign as needed by use of shims while epoxy/mortar is setting.
- 11) Use rags/towels to clean up any epoxy that may squeeze out from under the sign as sign settles on base.

| | | |
|--|-------------------------|-----------------|
| MODEL #705 5" THICK CONCRETE SIGN WITH BUBBLE TOP WITH BASE SHILLING PARK - LATHROP CA | OUTDOOR CREATIONS, INC. | SCALE: 1" = 24" |
| *Sign to be single sided | CUSTOMER APPROVAL: x | DRAWN BY: MNC |
| *Concrete footing required, construction by others | DATE: 4/25/23 | |



WEIGHT: 2800 LBS
 TEXTURE: Smooth
 COLOR: ODC Tan
 SEALER: Standard Acrylic



5 PARK SIGN

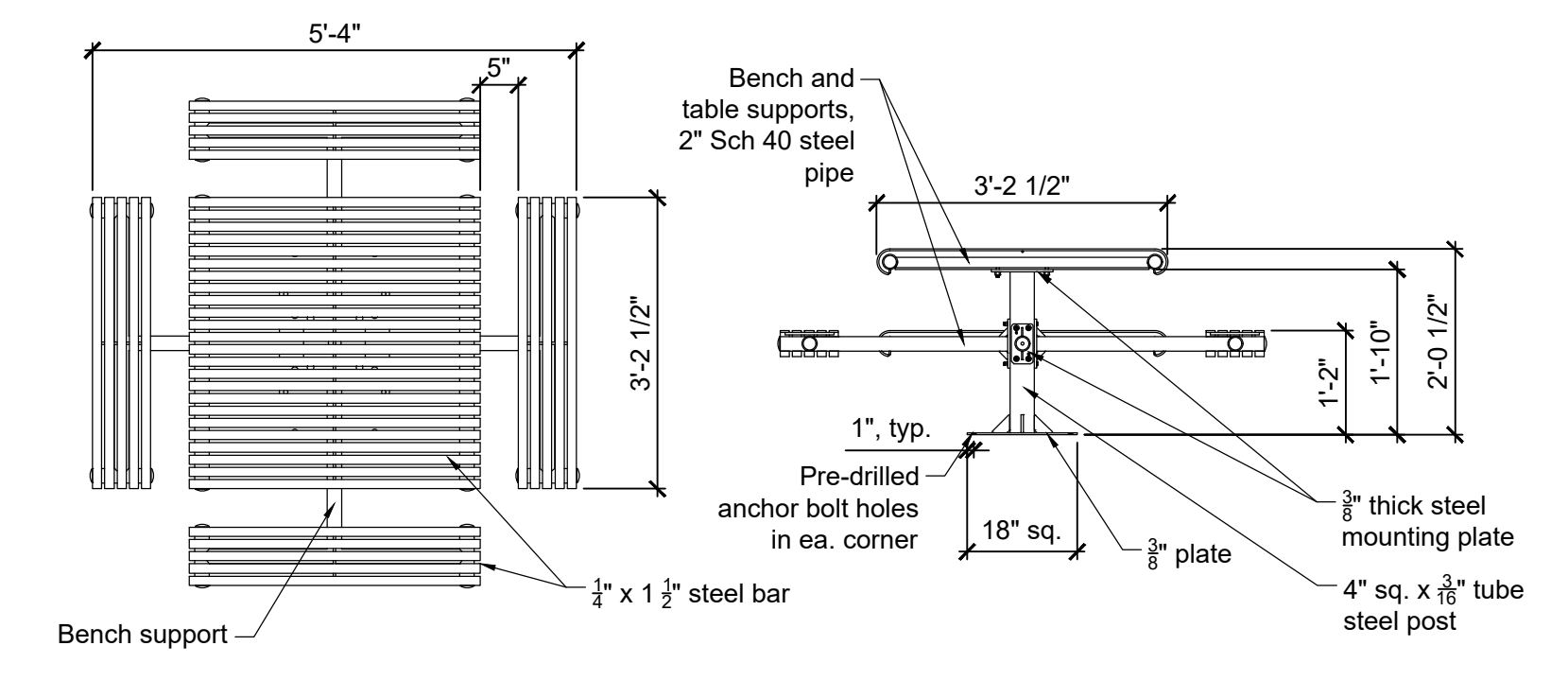
1" = 1"

P-PA1-SHI-21

2 PICNIC TABLE - ADA ACCESSIBLE

1/2" = 1'-0"

129343.53-07



- Notes:
1. See construction callout legend for product, color and finish information.
 2. Submit product information for approval.
 3. All steel members to be powder-coated by manufacturer.
 4. Use manufacturer-provided anchor bolts, 3/4" x 3 3/4" or as otherwise approved.

3 PICNIC TABLE

1/2" = 1'-0"

129343.53-06

Sam Harned Landscape Architecture
 P.O. Box 2275
 Oakland, CA 95361
 209-380-7376
 www.harnedia.com

Seal: **LANDSCAPE ARCHITECT**
 State of California
 License No. 123124
 Date: 06/23/2023

Prepared for:
 City of Lathrop
 390 Towne Centre Drive
 Lathrop, CA 95330
 (209) 941-7200

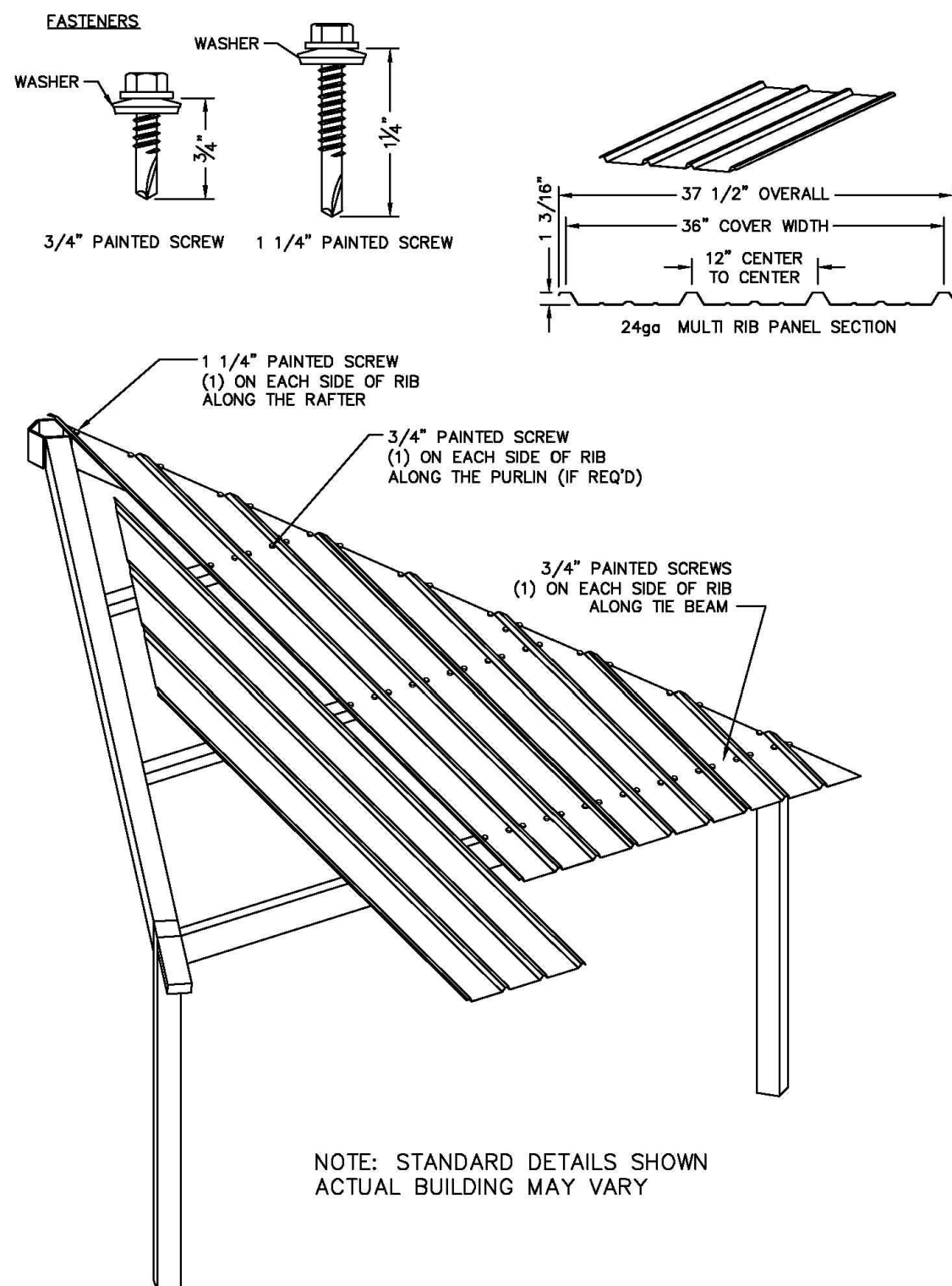
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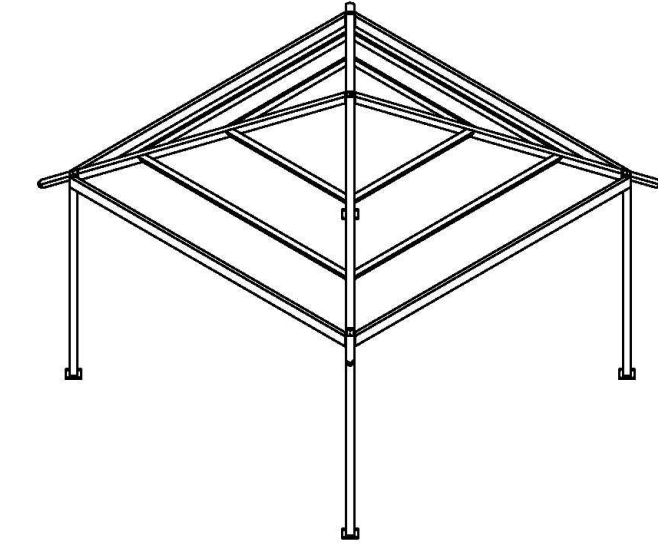
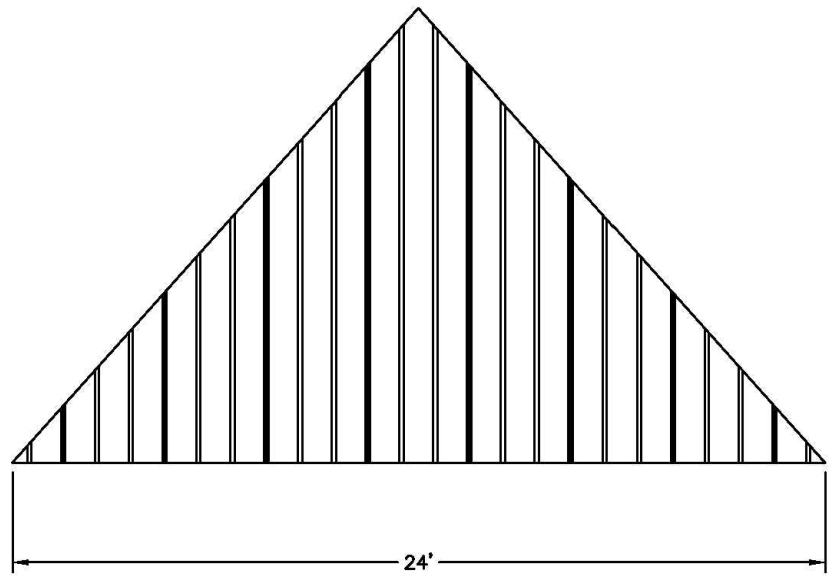
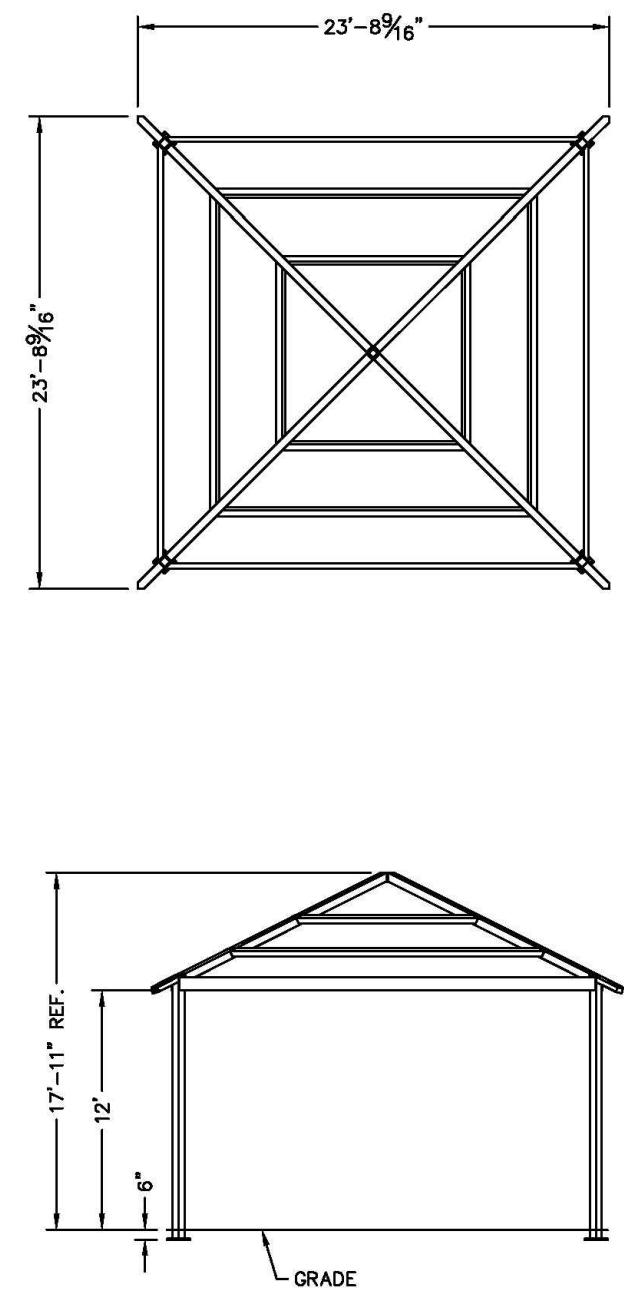
Date: 04 May 2023
 Drawn: RSH
 Checked: RSH
 Project No.: 22-021
 Scale: As shown

Sheet:
Site Construction Details
L2.2

1 SHADE STUCTURE
nts



NOTE: STANDARD DETAILS SHOWN
ACTUAL BUILDING MAY VARY



ALL STRUCTURAL COMPONENTS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: GMAW

NOTE:
COLUMN SIZE: HSS 5x5x3/16

PRELIMINARY: NOT FOR
CONSTRUCTION

ICON
Shelter Systems Inc
1545 LINCOLN AVE.
IRVING, CA 92614
TEL: 949.261.1100
WWW.ICONSHEDS.COM

Frame

DRAWN BY: MH
DATE: 4/25/23
PRELIMINARY ID: 79162
REVISION: A
BUILDING TYPE: SQ24M-P6
PROJECT NAME: SHILLING PARK

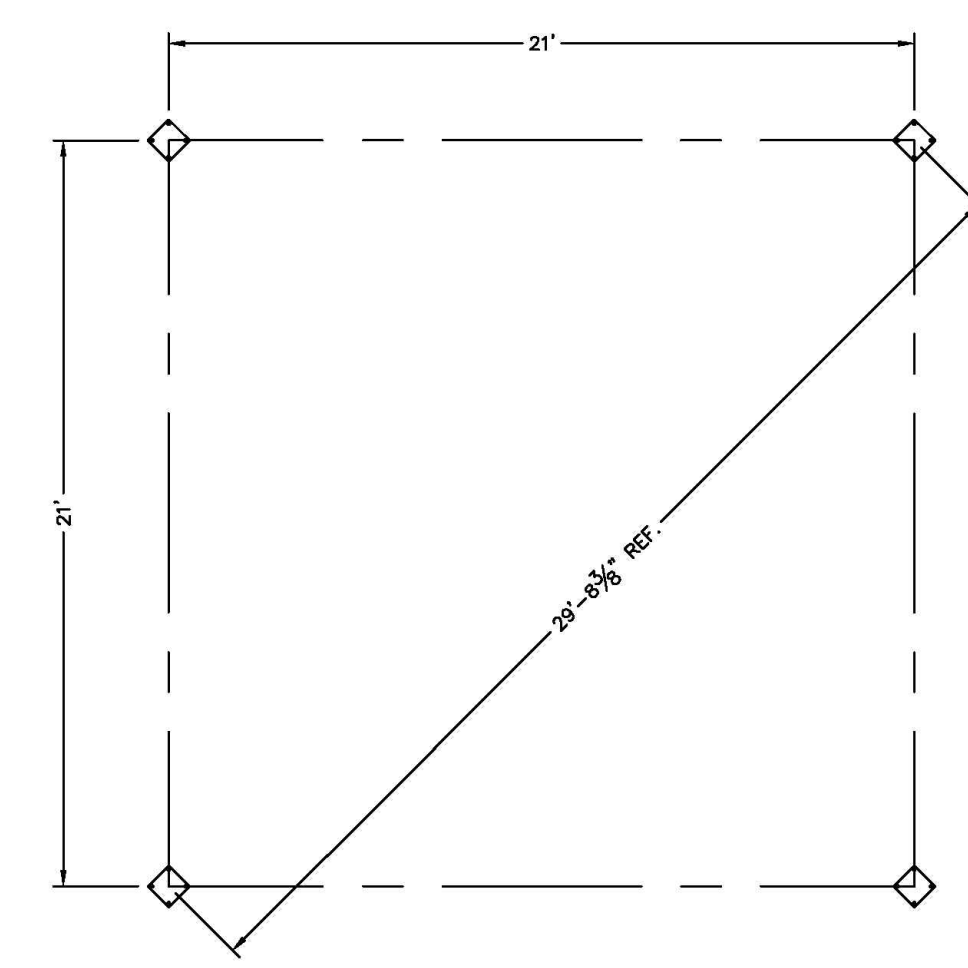
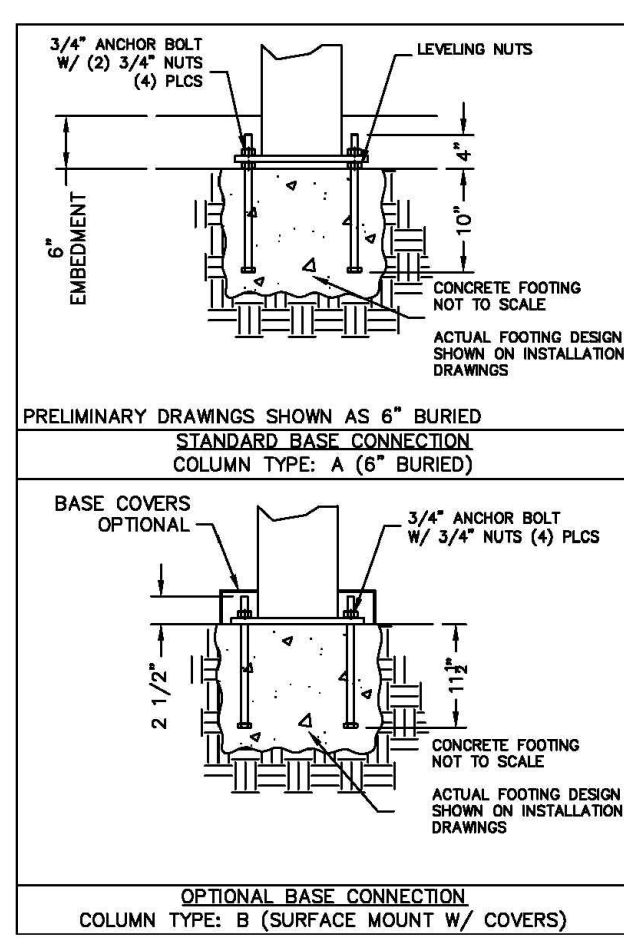
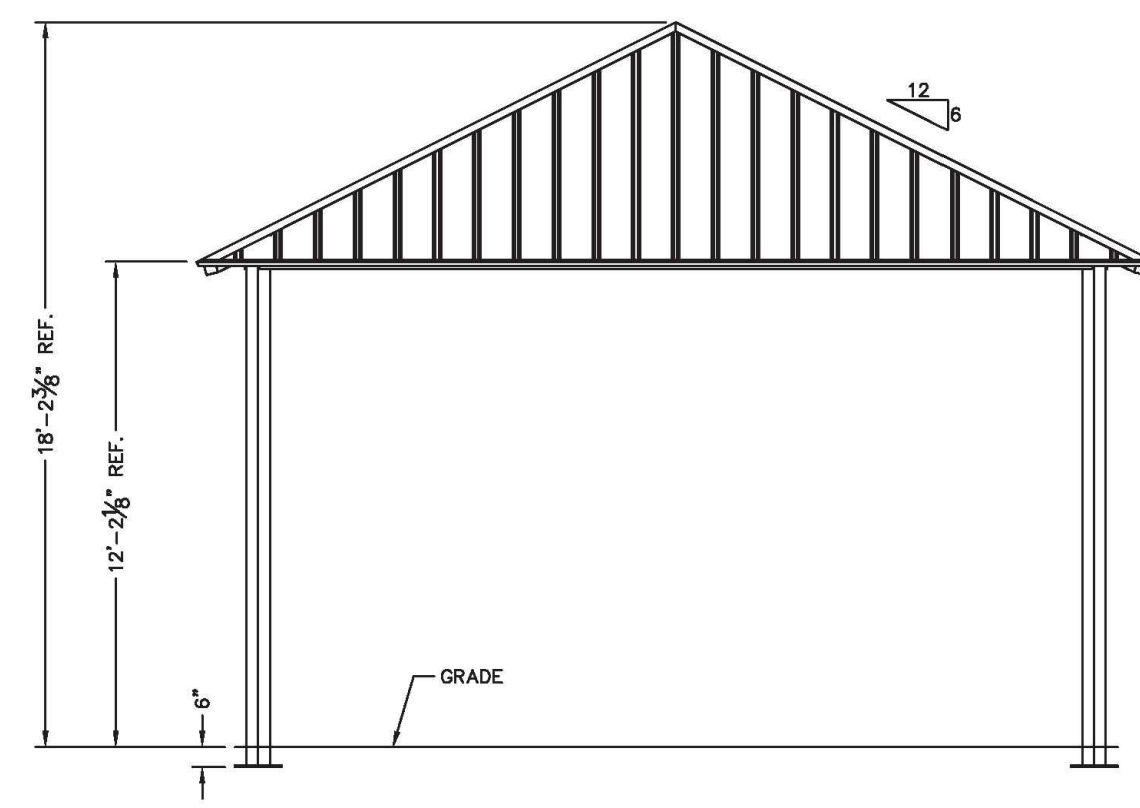
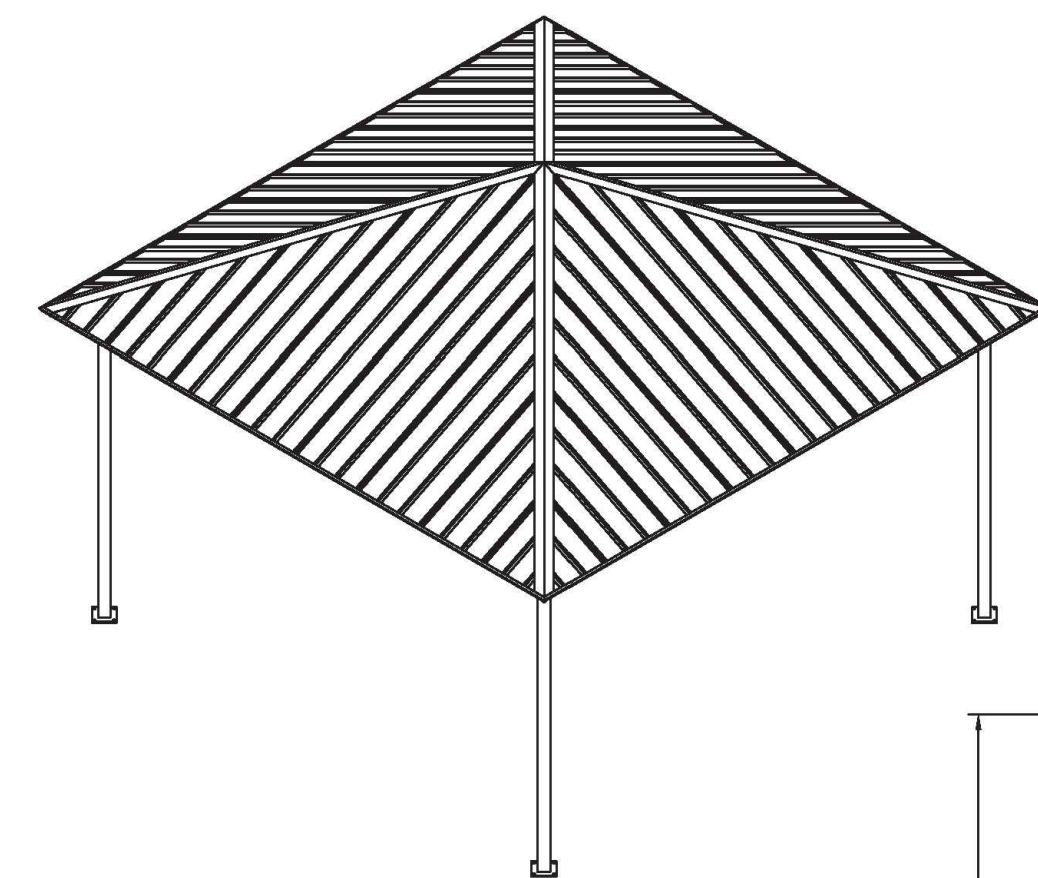
SHEET 3.0

ICON
Shelter Systems Inc
1545 LINCOLN AVE.
IRVING, CA 92614
TEL: 949.261.1100
WWW.ICONSHEDS.COM

Roof Layout

DRAWN BY: MH
DATE: 4/25/23
PRELIMINARY ID: 79162
REVISION: A
BUILDING TYPE: SQ24M-P6
PROJECT NAME: SHILLING PARK

SHEET 4.0



PRELIMINARY: NOT FOR
CONSTRUCTION

ICON
Shelter Systems Inc
1545 LINCOLN AVE.
IRVING, CA 92614
TEL: 949.261.1100
WWW.ICONSHEDS.COM

Elevation

DRAWN BY: MH
DATE: 4/25/23
PRELIMINARY ID: 79162
REVISION: A
BUILDING TYPE: SQ24M-P6
PROJECT NAME: SHILLING PARK

SHEET 1.0

ICON
Shelter Systems Inc
1545 LINCOLN AVE.
IRVING, CA 92614
TEL: 949.261.1100
WWW.ICONSHEDS.COM

Anchor Bolt Layout

DRAWN BY: MH
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SHEET 2.0



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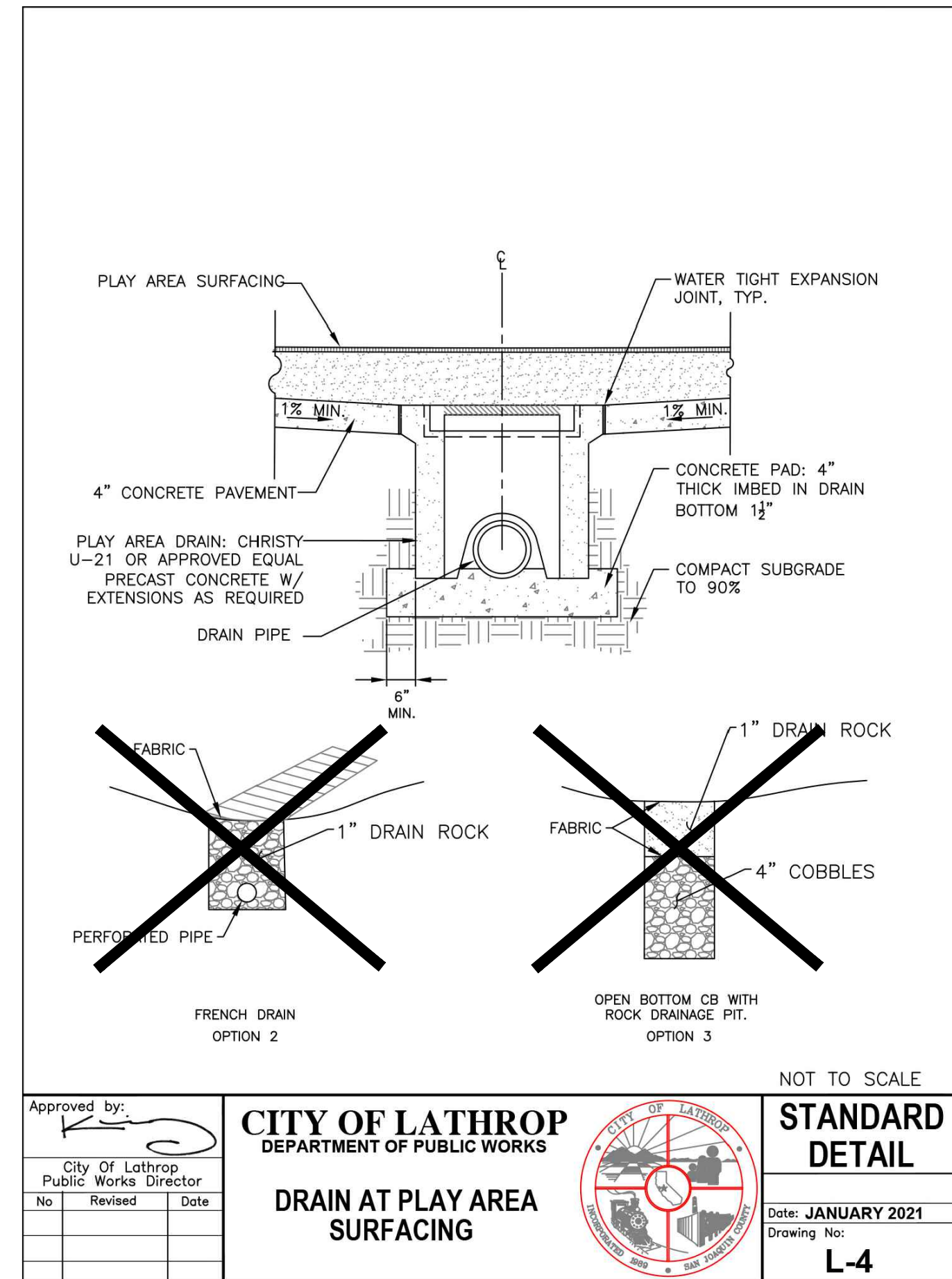
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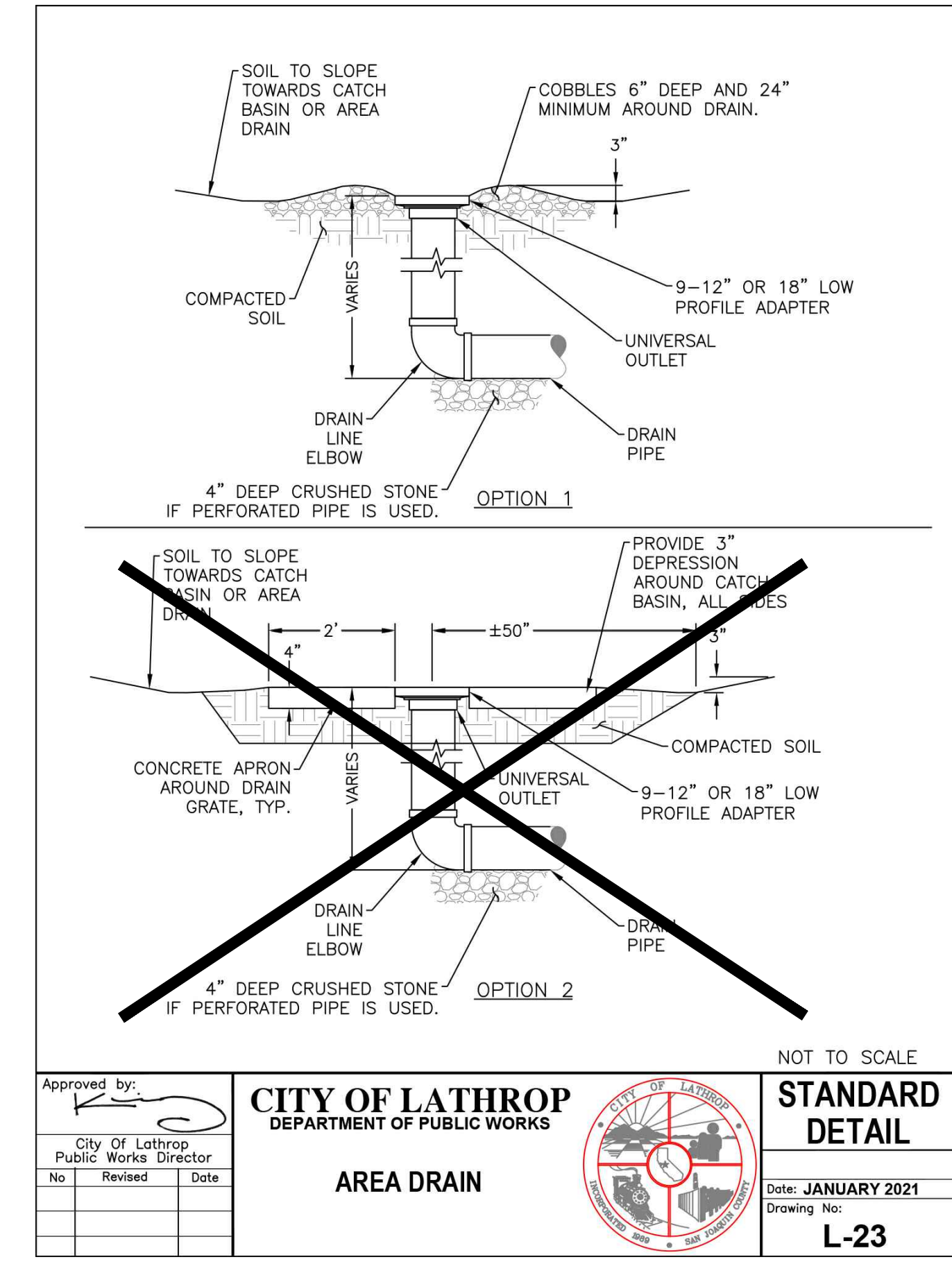
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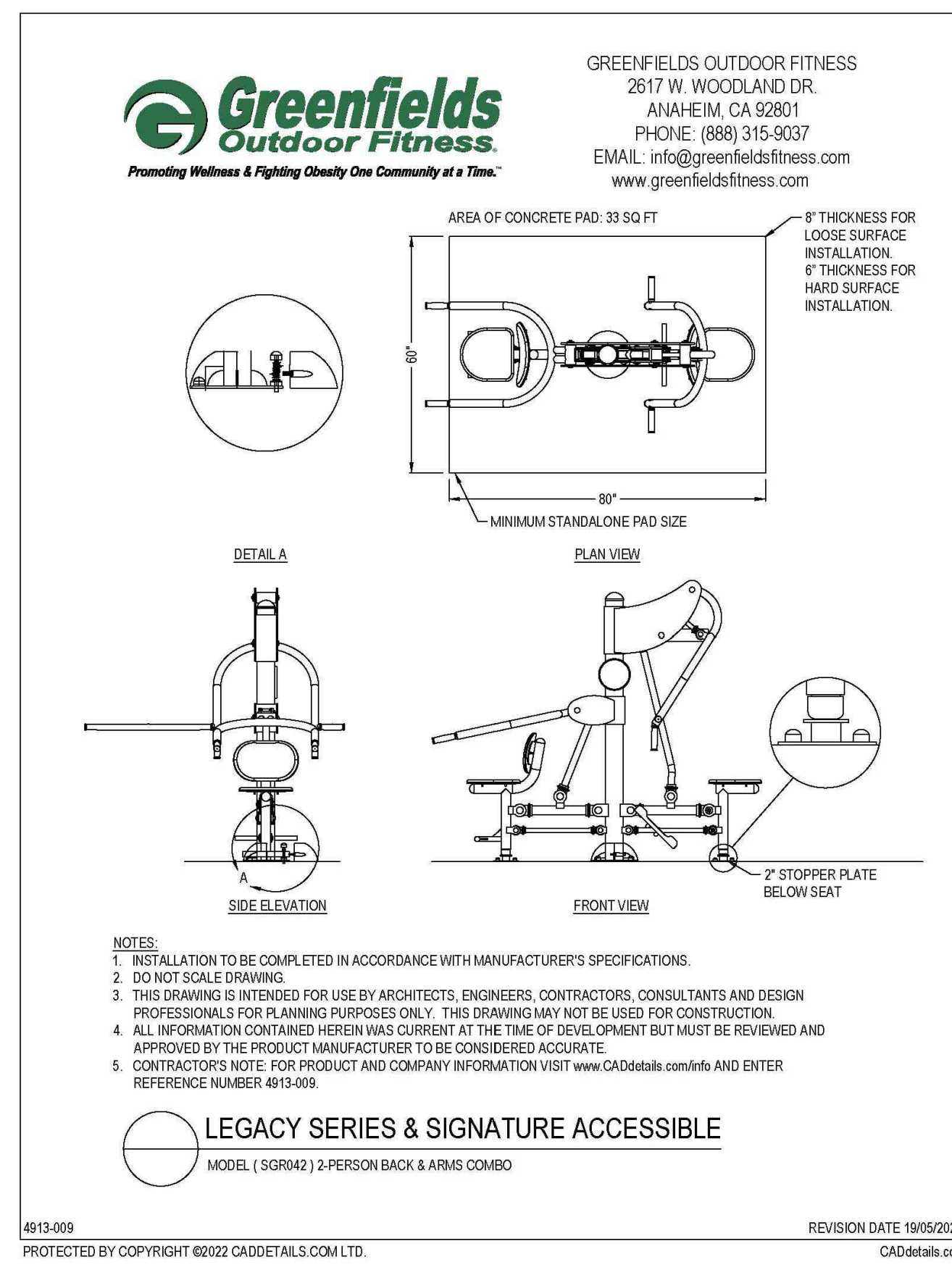
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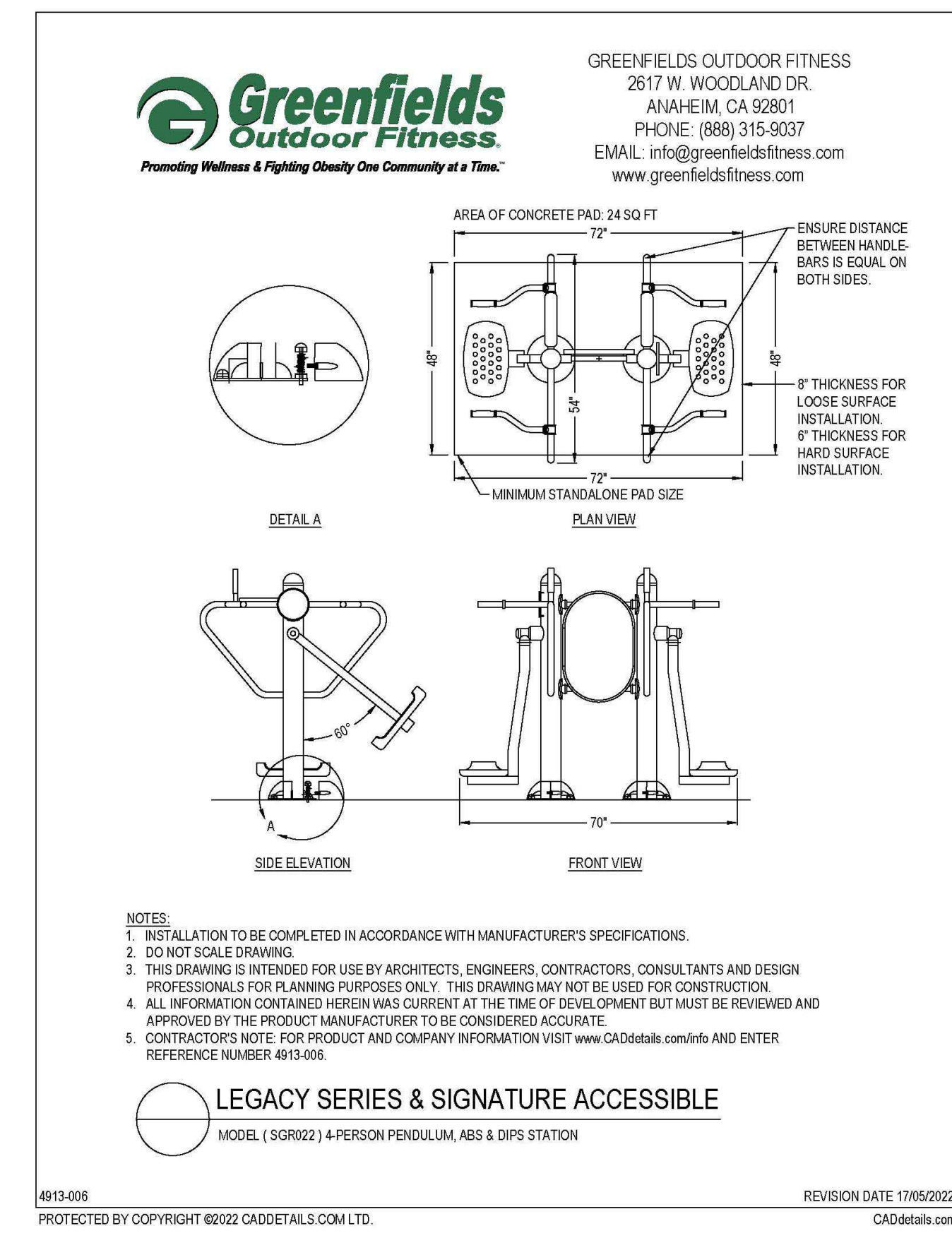
2 DRAIN AT PLAY AREA - CITY STD. DETAIL L-4 nts P-PA1-SHI-05



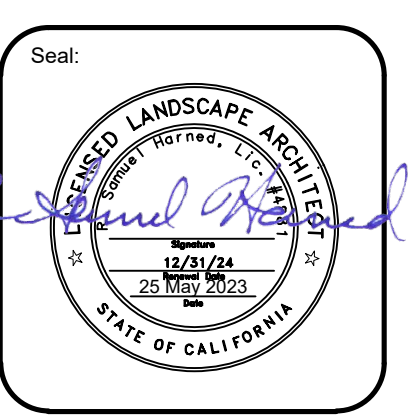
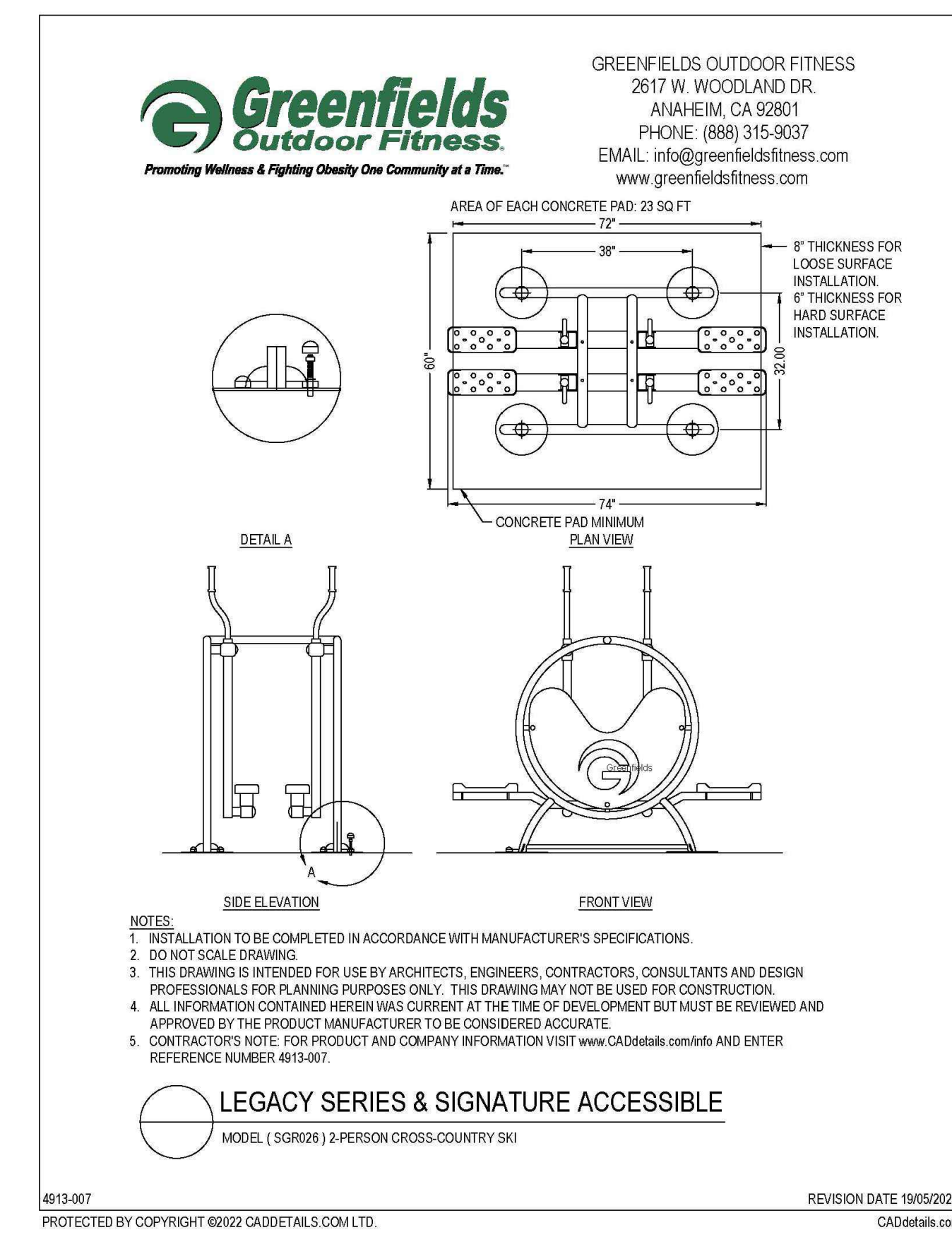
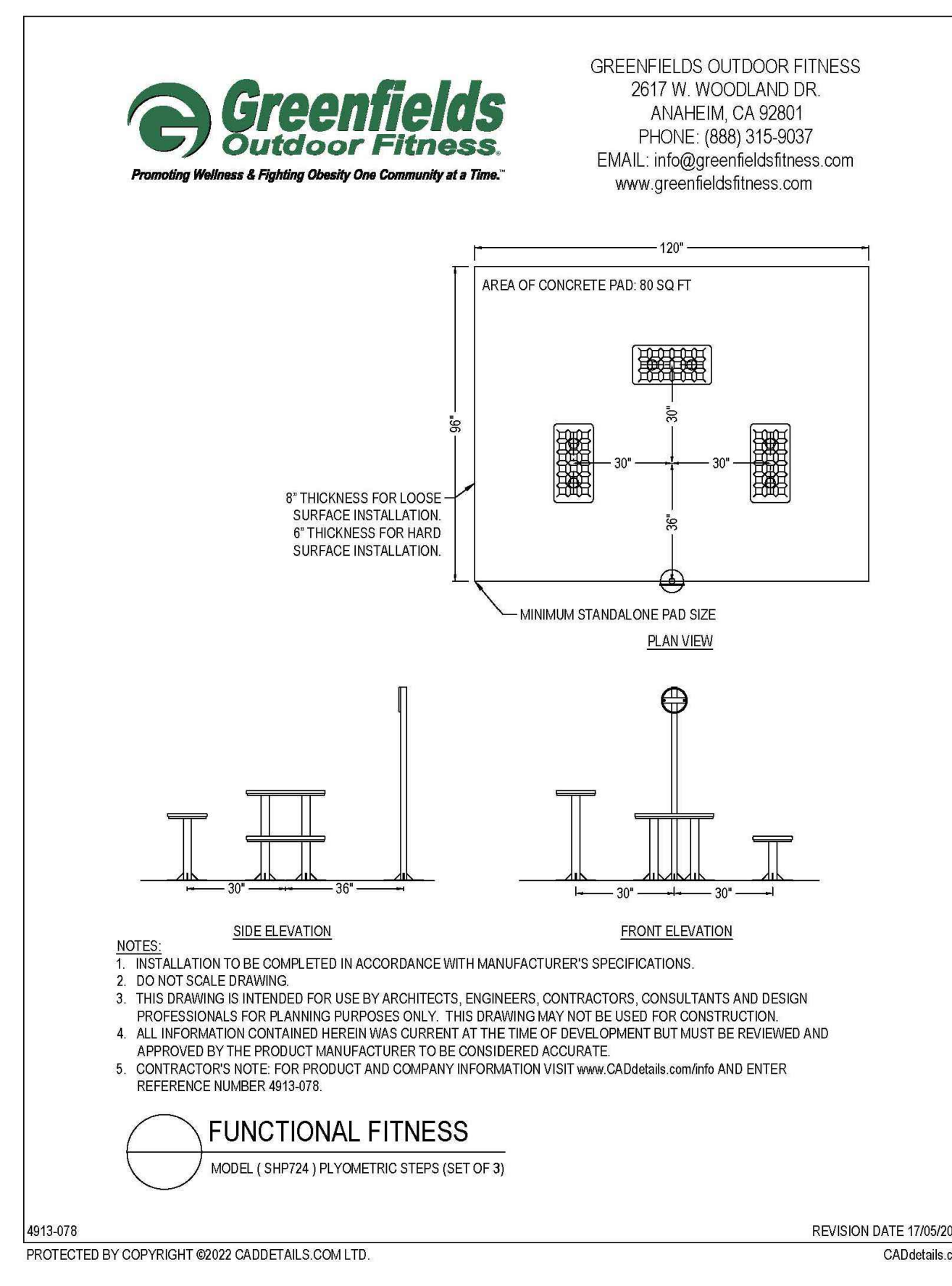
3 AREA DRAIN - CITY STD. DETAIL L-23 nts P-PA1-SHI-14



1 OUTDOOR EXERCISE EQUIPMENT nts



4913-007 REVISION DATE 19/05/2022
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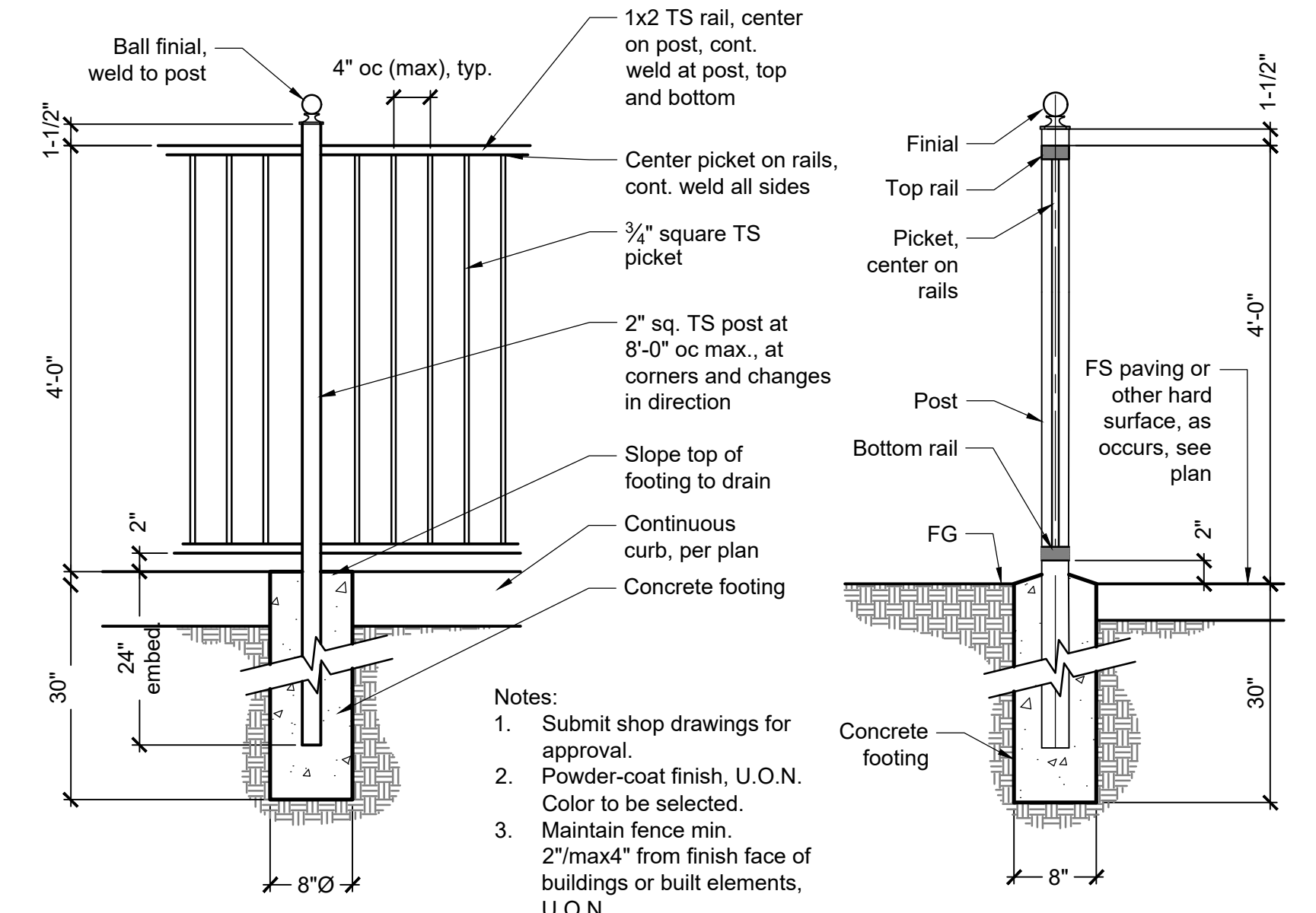
Project:
SHILLING PARK
14469 REV. MAURICE COTTON DRIVE, LATHROP, CA

Revision:
1 Addendum 1 5/25/23

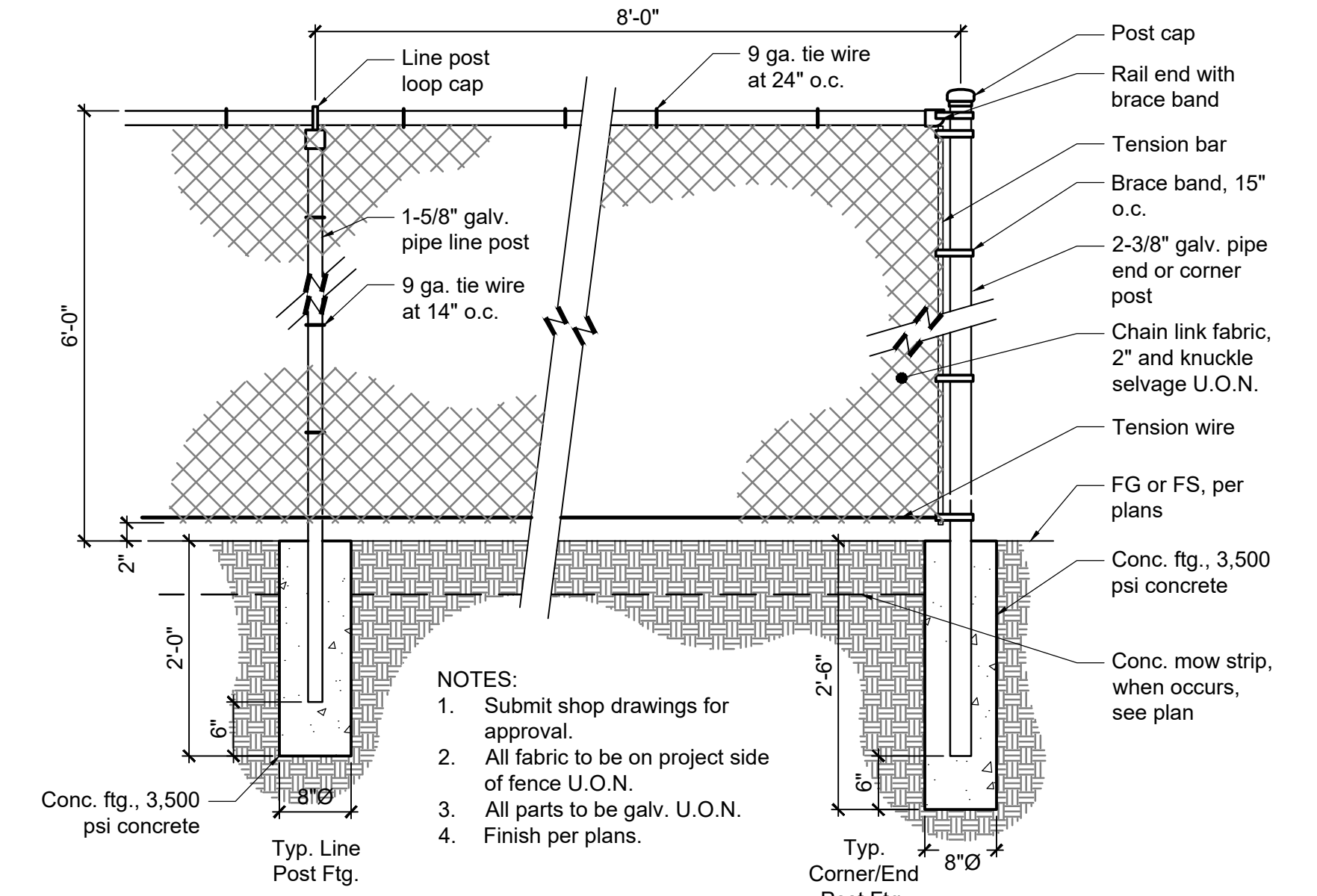
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Project No.: 22-021
Scale: As shown

Sheet:
Site Construction Details
L2.4

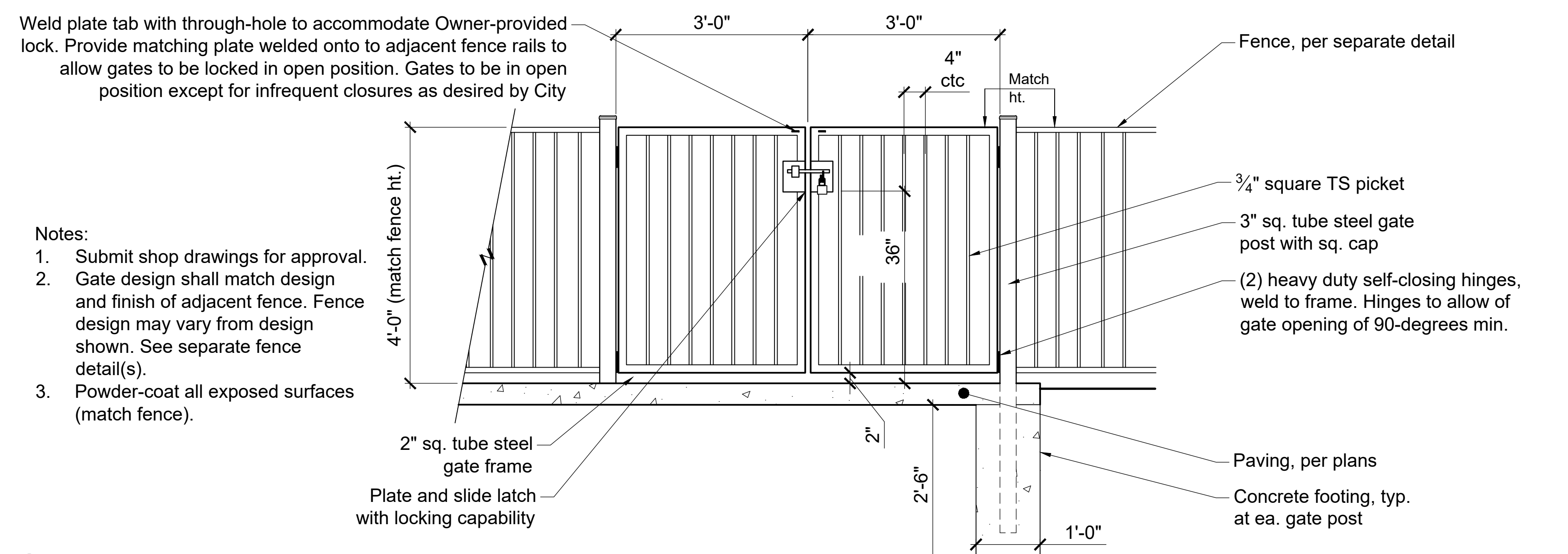
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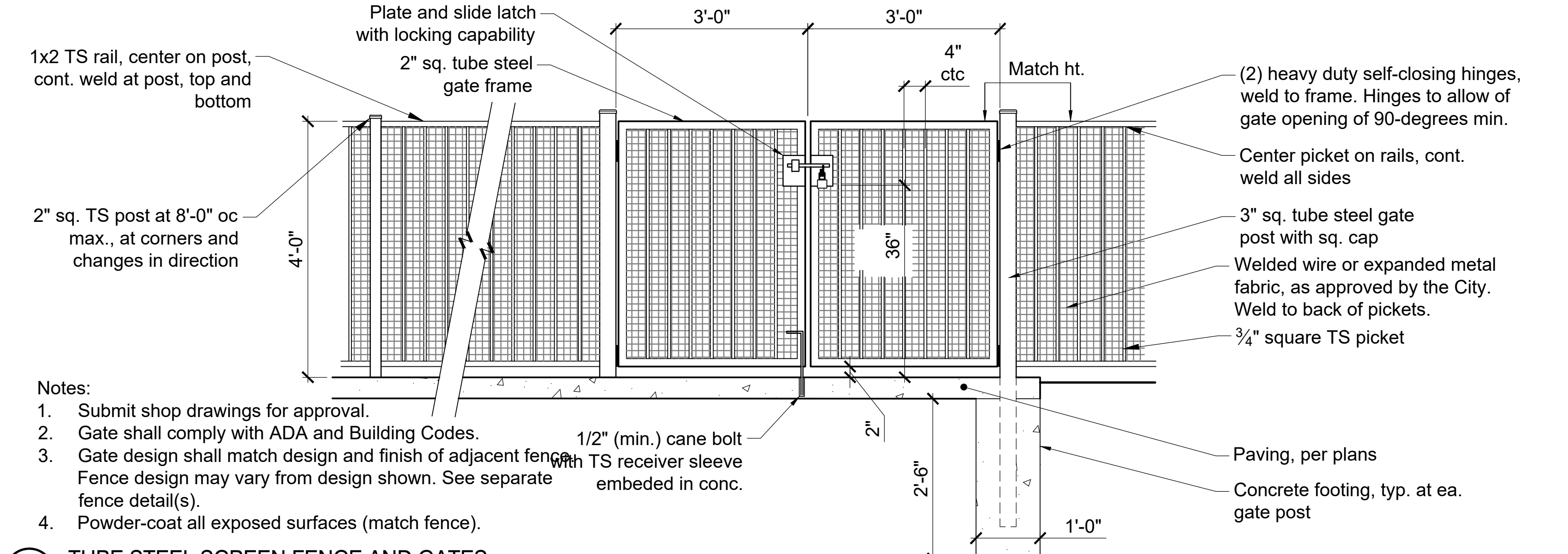
2 TUBE STEEL FENCE WITH CONC. CURB
3/4" = 1'-0" 323119-24



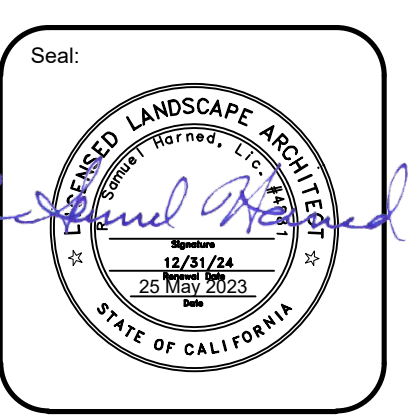
1 CHAIN LINK FENCE
3/4" = 1'-0" 323113-06



3 DOUBLE GATES: TUBE STEEL
3/4" = 1'-0" 323119-30



4 TUBE STEEL SCREEN FENCE AND GATES
3/4" = 1'-0" 323119-29



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SHILLING PARK
14469 REV. MAURICE COTTON DRIVE, LATHROP, CA

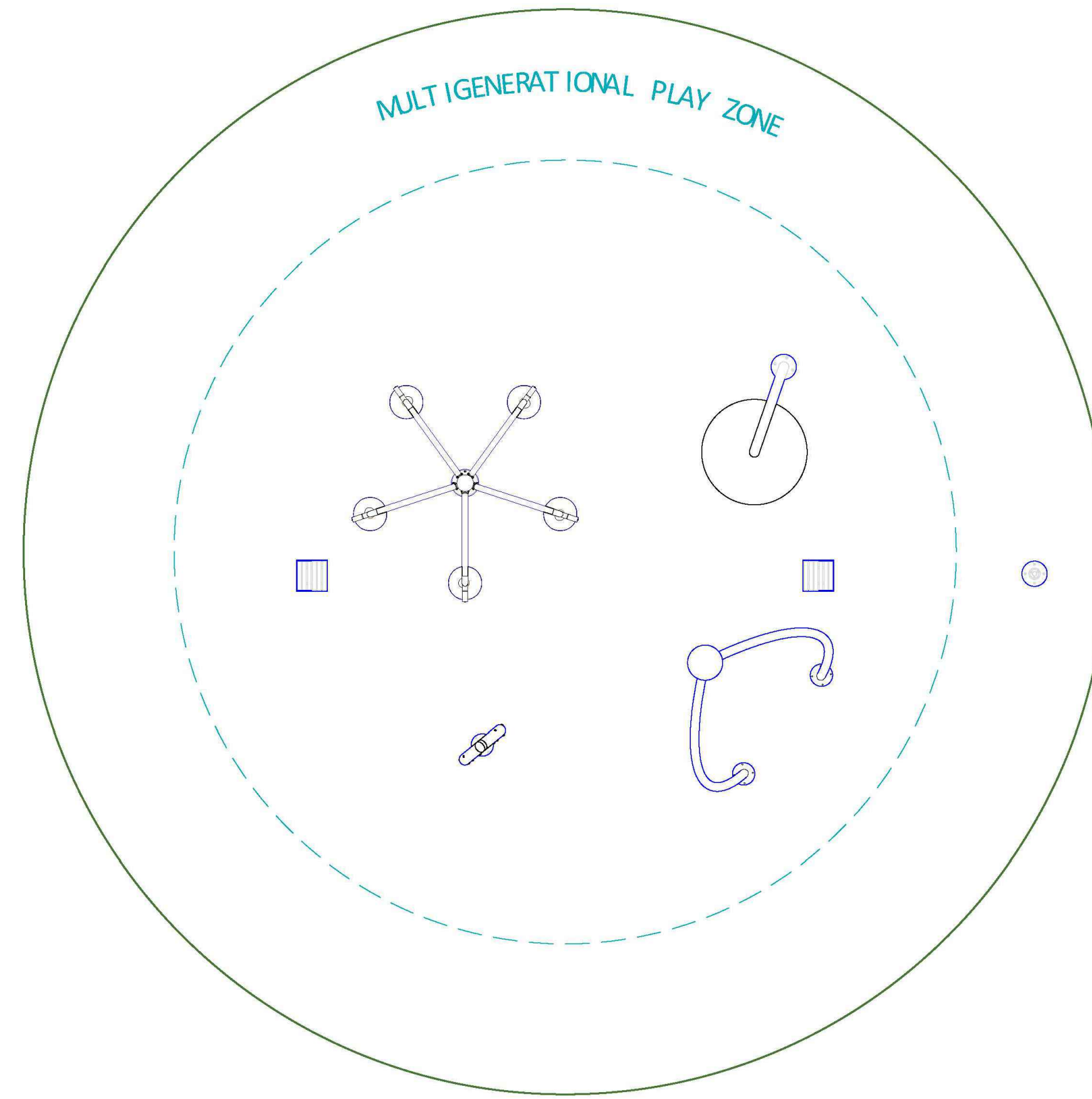
Revision:
1 Addendum 1 5/25/23

Date: 04 May 2023
Drawn: RSH
Checked: RSH
Project No.: 22-021
Scale: As shown

Sheet:
Site Construction Details
L2.5

SHILLING PARK

LATHROP, CA. 95330



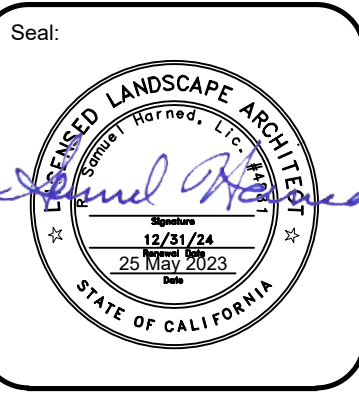
4600 HWY 123, SAN MARCOS, TX 78666 USA
 TEL: (512) 392-1155 WWW.FOUNTAINPEOPLE.COM FAX: (512) 392-1154

| DRAWING SHEET INDEX | | | |
|---------------------|------------------------|-----------|-----|
| SHILLING PARK | | | |
| DRAWING NAME | DRAWING DESCRIPTION | DATE | REV |
| W80474-CS-V1-R | COVER SHEET | 4/28/2023 | - |
| W80474-PV-V1-R | PLAN VIEW | 4/28/2023 | - |
| W80474-PD-V1-R | PIPING & MECH. DIAGRAM | 4/28/2023 | - |
| W80474-C1-V1-R | COMPONENT SHEET 1 | 4/28/2023 | - |
| W80474-C2-V1-R | COMPONENT SHEET 2 | 4/28/2023 | - |

PRELIMINARY- NOT FOR CONSTRUCTION

SPRAY GROUND NOTES

- The spray ground shown in these plans may not include all components necessary for a complete and functional installation. Contractor shall contact the supplier for the required products and contractor shall provide all equipment, fittings, piping, accessories and appurtenances required for a full and complete installation.
 - Basis of Design manufacturer: Water Odyssey
 - Contract Glen Wurster with All About Play Inc, (916) 417-8389
- Submit complete shop drawings for approval. Shop drawings shall be suitable for submittal and approval for all agencies having jurisdiction for this element (e.g. County Health Department).
- Spray ground shall be installed in conformance with manufacturer's recommendations, guidelines and requirements.
- The spray ground includes, generally, the following elements. All elements shall be provided by the same manufacturer and supplier (Basis of Design provided above):
 - Spray ground play equipment with activator
 - Piping manifold and piping
 - Controller system / timer panel
 - Water storage reservoir (to be installed underground)
 - Rain diverter
 - Water re-circulation system
 - On-slab clam-shell cover for pad mounted manifold and equipment
 - Drainage system



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Revision:
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Date: 04 May 2023
 Drawn: RSH
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 Project No.: 22-021
 Scale: As shown

Sheet:
Site Construction Details
L2.6

1 SPRAY GROUND / SPLASH PAD
 1" = 1"

P-PA1-SH1-22

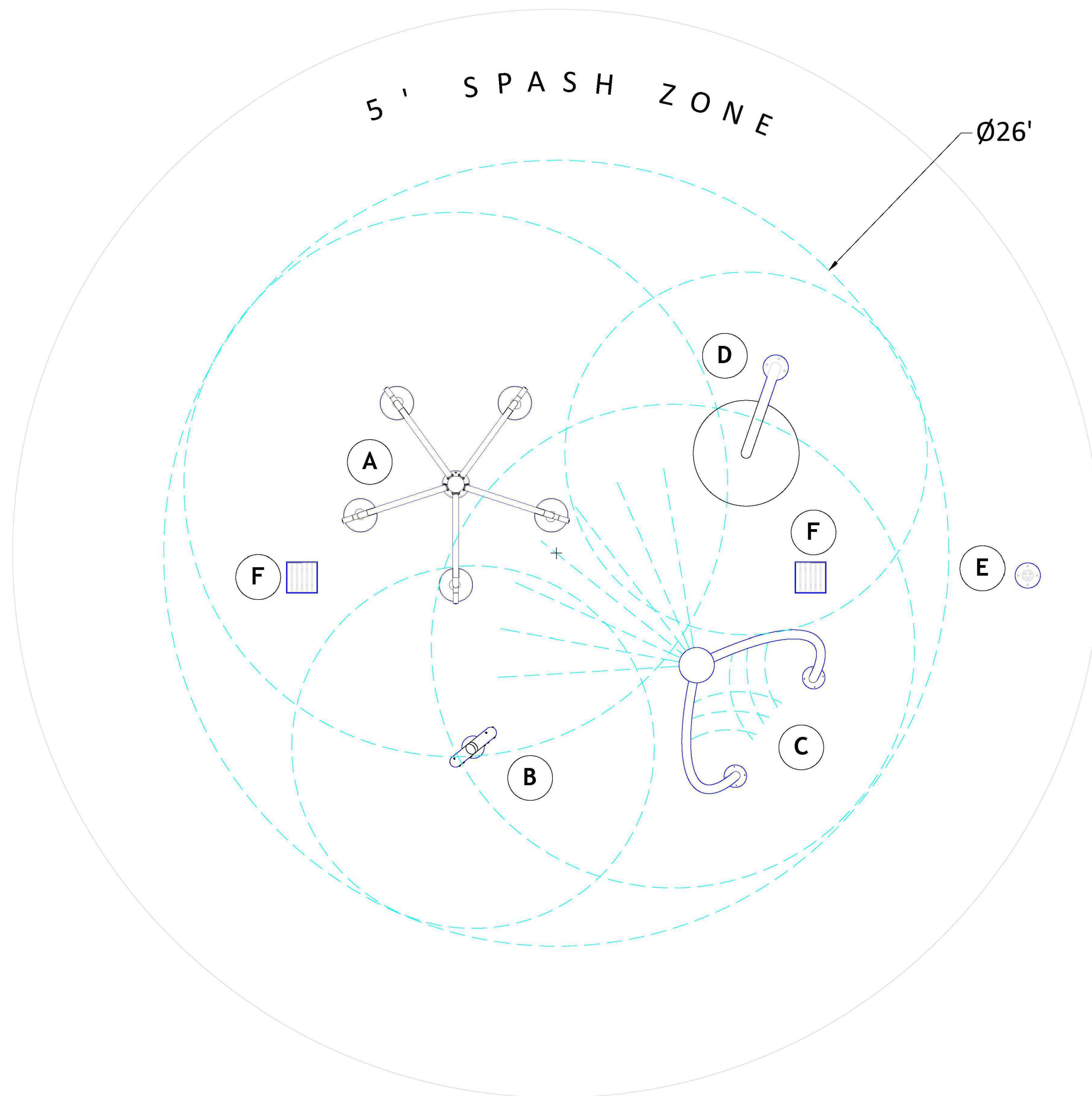
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| REF. | ITEM | FEATURE DESCRIPTION | QTY |
|------------------|------|------------------------------------|-----|
| A | W103 | FILL N' SPILL 5-15 GPM @ 6 PSI | 1 |
| B | W003 | CURVY COOL 14 GPM @ 20 PSI | 1 |
| C | W355 | LOTUS PETAL 12 GPM @ 6 PSI | 1 |
| D | W128 | FLOWER SHOWER 20-40 GPM @ 6 PSI | 1 |
| E | W009 | TOUCH N' GO HARD-WIRED | 1 |
| F | W200 | PLAIN DRAIN 50 GPM FLOW RATE EA | 2 |
| TOTAL GPM: | | 81 GPM | |
| SPLASH PAD AREA: | | 531 SQ. FT | |
| TOTAL AREA: | | 1018 SQ. FT | |

GENERAL NOTES:

1. THIS DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING.

2. WET DECK AREA MUST BE POURED AND FORMED SO THAT WATER SHED AREA SLOPES TOWARD DRAINS.

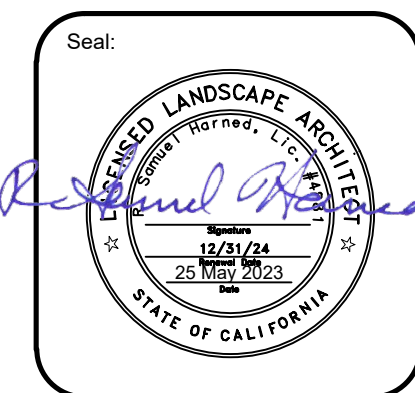


SCALE: 1/2" = 1'-0"

| SHILLING PARK PLAN VIEW | | DATE | 4/28/23 |
|----------------------------|-------|------|---------|
| PRO # | - | REV. | W80474 |
| TYPE | PV | VER. | 1 |
| SALES | SHEET | OPT. | A |



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Site Construction Details
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SPRAY GROUND / SPLASH PAD

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| FEATURE CONTROL SCHEDULE | | | | | | | | | | | |
|--------------------------|-------|------------|------------|---------------------|-----|-----------|-----|-----|----------------|-----------|--|
| REF. | VALVE | VALVE SIZE | FEATURE PN | FEATURE DESCRIPTION | QTY | PIPE SIZE | GPM | PSI | OUTPUT CHANNEL | ACTIVATOR | |
| A | 101 | 1" std | W103 | FILL N SPILL | 1 | 1" | 15 | 6 | 2:01 | W009 #1 | |
| B | 102 | 1" std | W003 | CURVY COOL | 1 | 1" | 14 | 20 | 2:02 | | |
| C | 103 | 1" std | W355 | LOTUS PETAL | 1 | 1" | 12 | 6 | 2:03 | | |
| D | 104 | 1-1/2" std | W128 | FLOWER SHOWER | 1 | 1-1/2" | 40 | 6 | 2:04 | | |
| TOTAL FLOW | | | | | | | 81 | | | | |

| EQUIPMENT CONTROL SCHEDULE | | | |
|----------------------------|-------------------|---|-----|
| REF. | PRODUCT PN | PRODUCT DESCRIPTION | QTY |
| E | W009 | TOUCH N' GO HARD WIRED | 1 |
| F | W200 | PLAIN DRAIN 50 GPM FLOW RATE EA | 2 |
| REF | REFERENCE | PRESSURE REDUCING VALVE | 1 |
| G | DM-04000-08-BR-WM | DISTRIBUTION MANIFOLD 4" - BRONZE VALVES - WALL MOUNT | 1 |
| H | DSC-8-8 | SEQUENCING CONTROLLER | 1 |

| ACTIVATOR CONTROL SCHEDULE | | | | |
|----------------------------|-----|----------------------|---------|------------------|
| REF. | # | FROM (INPUT CHANNEL) | TO | OUTPUT CHANNEL |
| E | 011 | 1:01 | W009 #1 | 3 (3/4" CONDUIT) |

| PLAY SCENARIO ZONES | |
|-------------------------------|-----------------------------|
| ACTIVATOR LABEL | 011 |
| ACTIVATOR LOCATION | W009 TOUCH N' GO HARD WIRED |
| MANIFOLD VALVE ASSEMBLY LABEL | V101 THRU V108 |

PROGRAM NOT SPECIFIED

GENERAL NOTES:

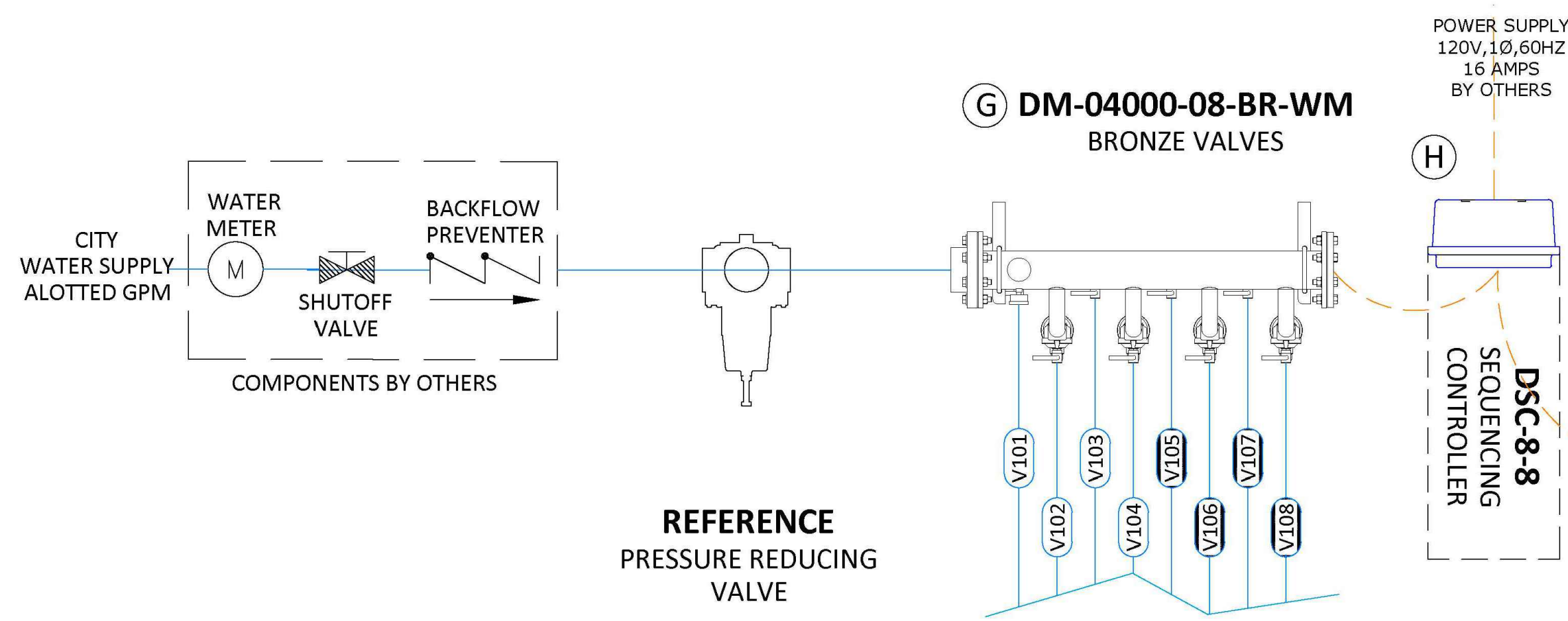
- THIS DRAWING IS SCHEMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC.
- CHECK LOCAL CODES FOR PIPING REQUIREMENTS. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING.
- REFER TO THE INSTALLATION DRAWING OF EACH PLAY FEATURE AND EQUIPMENT VAULT OR UTILITY BOX FOR SPECIFIC INSTALLATION DETAILS.
- PIPING, CONDUIT, AND WIRE ARE BY INSTALLER.
- ANY REQUIRED BACKFLOW DEVICE OR WATER METER ON THE CITY WATER MAIN SHALL BE PROVIDED BY INSTALLER.
- PIPE SIZES ASSUME 100' MAXIMUM RUNS. LONGER RUNS MUST BE EVALUATED BY WATER ODYSSEY. CONTRACTOR RESPONSIBLE FOR VERIFICATION OF PIPE SIZE BETWEEN DISCHARGE MANIFOLD AND FEATURES. VELOCITY NOT TO EXCEED 8FT/SECOND.
- A MAXIMUM OF 50 PSI @ PROVIDED MANIFOLD.
- SYMBOL *** INDICATES THAT THE TEE MUST BE PLACED IN THE CENTER OF THE PIPING RUN TO ENSURE BALANCED FLOW.
- WET DECK AREA MUST BE POURED AND FORMED SO THAT WATER SHED AREA SLOPES TOWARD DRAINS.
- ALL PIPING TO FEATURES ARE RECOMMENDED TO HAVE 1%-2% SLOPE FOR WINTERIZATION.

ELECTRICAL NOTES

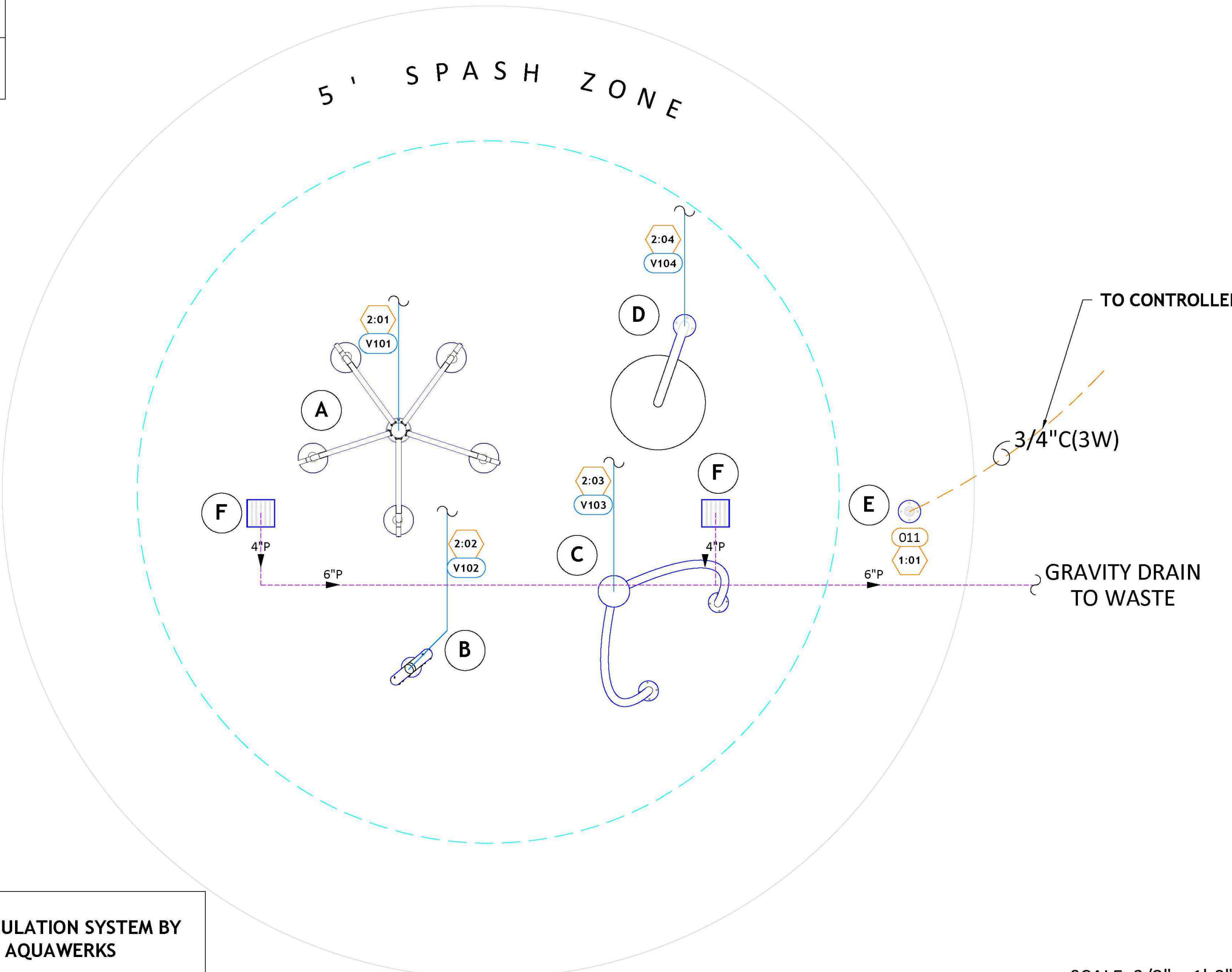
- REFER TO ELECTRICAL SCHEMATICS AND PROGRAMMING SHEET FOR WIRING CONNECTIONS TO BE MADE TO "TAGGED SOLENOID VALVE ASSEMBLIES"

EQUIPMENT ROOM NOTES

- LOCATION AND ORIENTATION OF EQUIPMENT ROOM AND EQUIPMENT BY OTHERS. SEE NOTE #6.
- LOCATION OF COMPONENTS INSIDE ENCLOSURE MAY DIFFER FROM THIS LAYOUT.



RECIRCULATION SYSTEM BY AQUAWERKS



SCALE: 3/8" = 1'-0"

**SHILLING PARK
PIPING & MECHANICAL DIAGRAM**

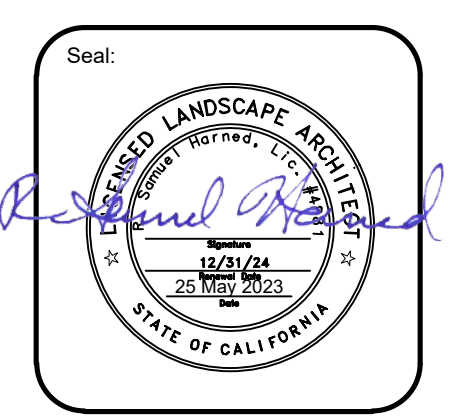
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|-----|-------|---------|----------------|------|------|------|------|
| JND | SALES | DATE | PROJ # | REV. | TYPE | OPT. | VER. |
| JND | SALES | 4/28/23 | W80474-PD-V1-R | 1 | A | 1 | 1 |

W80474-PD-V1-R

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SPRAY GROUND / SPLASH PAD



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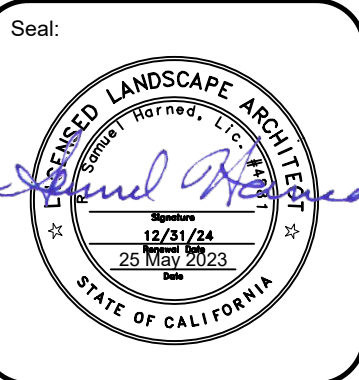
Project:
SHILLING PARK
14469 REV. MAURICE COTTON DRIVE, LATHROP, CA

Revision:
1 Addendum 1 5/25/23

Date: 04 May 2023
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Sheet:
Site Construction Details
L2.8

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SHILLING PARK
 14469 REV. MAURICE COTTON DRIVE, LATHROP, CA

Revision:
 1 Addendum 1 5/25/23

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 Scale: As shown

Sheet:
Site Construction Details
L2.9

Specifications

Model Number: W103
 Interactive Water Effect: Shall be a dump bucket effect required by volume of flow.
 Shaft: 4" type 304 stainless steel pipe with machined type 304 base plate.
 Arms: 2" type 304 stainless steel pipe.
 Yokes: Type 304 stainless steel.
 Buckets: Heavy-duty FRP (fiber reinforced polyester).
 Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 1/2" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
 Gasket: 70 durometer EPDM o-ring.
 Fasteners: Tamper-resistant 18-8 stainless steel.
 Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
 Nozzles: 5 stainless steel flow control nipples.

Anchor Base

Note: Anchor base must be completely encapsulated in concrete (min. 3000 psi).
 #5 Rebar 12" O.C. ea way.
 Finished surface.
 3/4" conduit for wired activator elements.
 Concrete Pier.
 (THICKENED SLAB)

Hydraulic Requirements

| | | |
|------|------|-----|
| W103 | GPM | psi |
| | 5-15 | 6 |

Fill N' Spill™

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Specifications

Model Number: W003
 Interactive Water Effect: Shall be cooling mister nozzles around the circumference of the shaft.
 Shaft: 4" type 304 stainless steel pipe with a triple bend and machined type 304 base plate.
 Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 1/2" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
 Gasket: 70 durometer EPDM o-ring.
 Fasteners: Tamper-resistant 18-8 stainless steel.
 Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
 Nozzles: 18 machined brass mist jets standard; 9 with water conserving version.

Anchor Base

Note: Anchor base must be completely encapsulated in concrete (min. 3000 psi).
 #5 Rebar 12" O.C. ea way.
 Finished surface.
 3/4" conduit for wired activator elements.
 Concrete Pier.
 (THICKENED SLAB)

Hydraulic Requirements

| | | |
|-----------------------------------|-------|-------|
| W003 | GPM | psi |
| | 14 | 30 |
| *W003C - Water Conserving Version | *CGPM | *Cpsi |
| | 7 | 20 |

Curvy Cool™

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Specifications

Model Number: W355
 Interactive Water Effect: Shall be multiple stream effects, an array of streams inside the arch and an array of streams emanating from the sphere.
 Shaft: 3" type 304 stainless steel pipe with full radius bend and machined type 304 base plate.
 Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 1/2" x 12" x 2" 18-8 stainless steel anchor bolts with two leveling nuts and washers per bolt and wood pour template.
 Closed End Base: Supplied with 4 stainless steel concrete anchors, 18-8 stainless steel tamper-resistant screws, and a threaded drain plug.
 Gasket: 70 durometer EPDM o-ring.
 Fasteners: Tamper-resistant 18-8 stainless steel.
 Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
 Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)
 Nozzles: Precision jets

Anchor Base

Note: Anchor base must be completely encapsulated in concrete (min. 3000 psi).
 #5 Rebar 12" O.C. ea way.
 Finished surface.
 3/4" conduit for wired activator elements.
 Concrete Pier.
 (THICKENED SLAB)

Hydraulic Requirements

| | | |
|------|-----|-----|
| W355 | GPM | psi |
| | 12 | 6 |

Lotus Petal™

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 Phone: (512) 392-1155 • Fax: (512) 392-1154 • www.waterodyssey.com

Specifications

Model Number: W128
 Interactive Water Effect: Shall be a full downward shower effect 3' in diameter and a swirling bubbler in the cupola.
 Flower: Heavy-duty FRP (fiber reinforced polyester).
 Shaft: 4" type 304 stainless steel pipe with a full radius bend and a machined type 304 base plate.
 Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 1/2" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
 Gasket: 70 durometer EPDM o-ring.
 Fasteners: Tamper-resistant 18-8 stainless steel.
 Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
 Color: Shaft, green; Flower, green, yellow, orange.
 Nozzles: Precision machined stainless steel.

Anchor Base

Note: Anchor base must be completely encapsulated in concrete (min. 3000 psi).
 #5 Rebar 12" O.C. ea way.
 Finished surface.
 3/4" conduit for wired activator elements.
 Concrete Pier.
 (THICKENED SLAB)

Hydraulic Requirements

| | | |
|-----------------------------------|-------|-----|
| W128 | GPM | psi |
| | 20-40 | 6 |
| *W128C - Water Conserving Version | GPM | psi |
| | 10-20 | 6 |

Flower Shower™

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 Phone: (512) 392-1155 • Fax: (512) 392-1154 • www.waterodyssey.com

ESSENTIALS
 TIMELESS SOLUTIONS FOR AQUATIC PLAY

FILL N' SPILL

| | | |
|---|---|--|
| ACTIVITY | MODEL: W103 | FEATURES & BENEFITS |
| The Fill N' Spill™ is a classic "dump bucket" component with a 2.5 GPM (gallons per minute) rating per bucket. Available with five or three arms - add suffix 3 for catalog number for three arm Fill N' Spill. | 5-15 GPM/29-37 LPM Height: 12'-4"/376 CM | <ul style="list-style-type: none"> Low profile rounded flanges are easy on the feet and reduce toe-slubbing Coated with Aqua Armor - the most durable chlorine, UV and vandal resistant coating in the industry Interchangeable with other spray features ADA and ASTM compliant |

CREATING COMPELLING AQUATIC PLAY EXPERIENCES
 512-392-1155 | www.waterodyssey.com

ESSENTIALS
 TIMELESS SOLUTIONS FOR AQUATIC PLAY

CURVY COOL

| | | |
|--|--|---|
| ACTIVITY | MODEL: W003 | FEATURES & BENEFITS |
| The Curvy Cool™ is a cooling tower of misters with a triple bend for a vertical look. Combine with Mission Hill Series or Mesa series for an architectural appeal. | 26 GPM/98 LPM W003C 14 GPM/53 LPM Height: 8'-7"/262 CM | <ul style="list-style-type: none"> Mist nozzles & stainless steel construction Low profile rounded flanges are easy on the feet and reduce toe-slubbing Coated with Aqua Armor - the most durable chlorine, UV and vandal resistant coating in the industry Interchangeable with other spray features ADA and ASTM compliant |

CREATING COMPELLING AQUATIC PLAY EXPERIENCES
 512-392-1155 | www.waterodyssey.com

ESSENTIALS
 TIMELESS SOLUTIONS FOR AQUATIC PLAY

LOTUS PETAL

| | | |
|--|--|--|
| ACTIVITY | MODEL: W355 | FEATURES & BENEFITS |
| The Lotus Petal™ creates a unique pattern between its arch that is aesthetically pleasing and fun for run through. Additional rounded arching streams emit from the top creating a second play area to interact. | 32 GPM/121 LPM Height: 9'-0"/274 CM | <ul style="list-style-type: none"> Stainless steel nozzles & construction Low profile rounded flanges are easy on the feet and reduce toe-slubbing Coated with Aqua Armor - the most durable chlorine, UV and vandal resistant coating in the industry Interchangeable with other spray features ADA and ASTM compliant |

CREATING COMPELLING AQUATIC PLAY EXPERIENCES
 512-392-1155 | www.waterodyssey.com

THEMED ESSENTIALS™
 A CANVAS OF COLORS, SHAPES, TEXTURES & LIGHT

FLOWER SHOWER™

| | | |
|--|--|---|
| ACTIVITY | MODEL: W128 | FEATURES & BENEFITS |
| The Flower Shower™ creates a downpour of water full of shower fun! | 20-40 GPM/76-151 LPM W028C 10-20 GPM/38-76 LPM Height: 11'-8"/358 CM | <ul style="list-style-type: none"> Stainless steel nozzles Low profile rounded flanges are easy on the feet and reduce toe-slubbing Coated with Aqua Armor - the most durable chlorine, UV and vandal resistant coating in the industry Can enhance your facility's theme ADA and ASTM compliant |

CREATING COMPELLING AQUATIC PLAY EXPERIENCES
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1. THIS PAGE IS FOR PRESENTATIONAL PURPOSES ONLY. THE SHEETS ARE NOT TO SCALE AND SUBJECT TO CHANGE. CUT SHEETS AND/OR SALES SHEETS CAN BE PROVIDED UPON REQUEST. ASK YOUR SALES COORDINATOR FOR SCALED SALES AND CUT SHEETS.

SCALE: NTS

SPRAY GROUND / SPLASH PAD



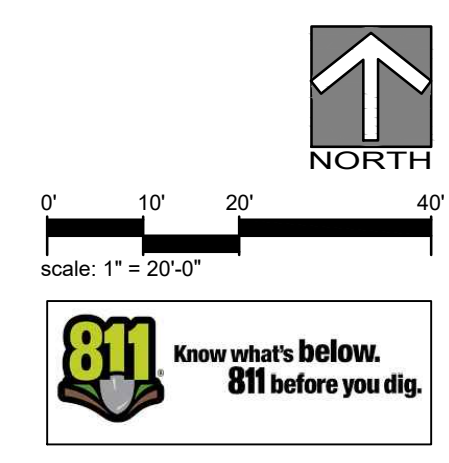
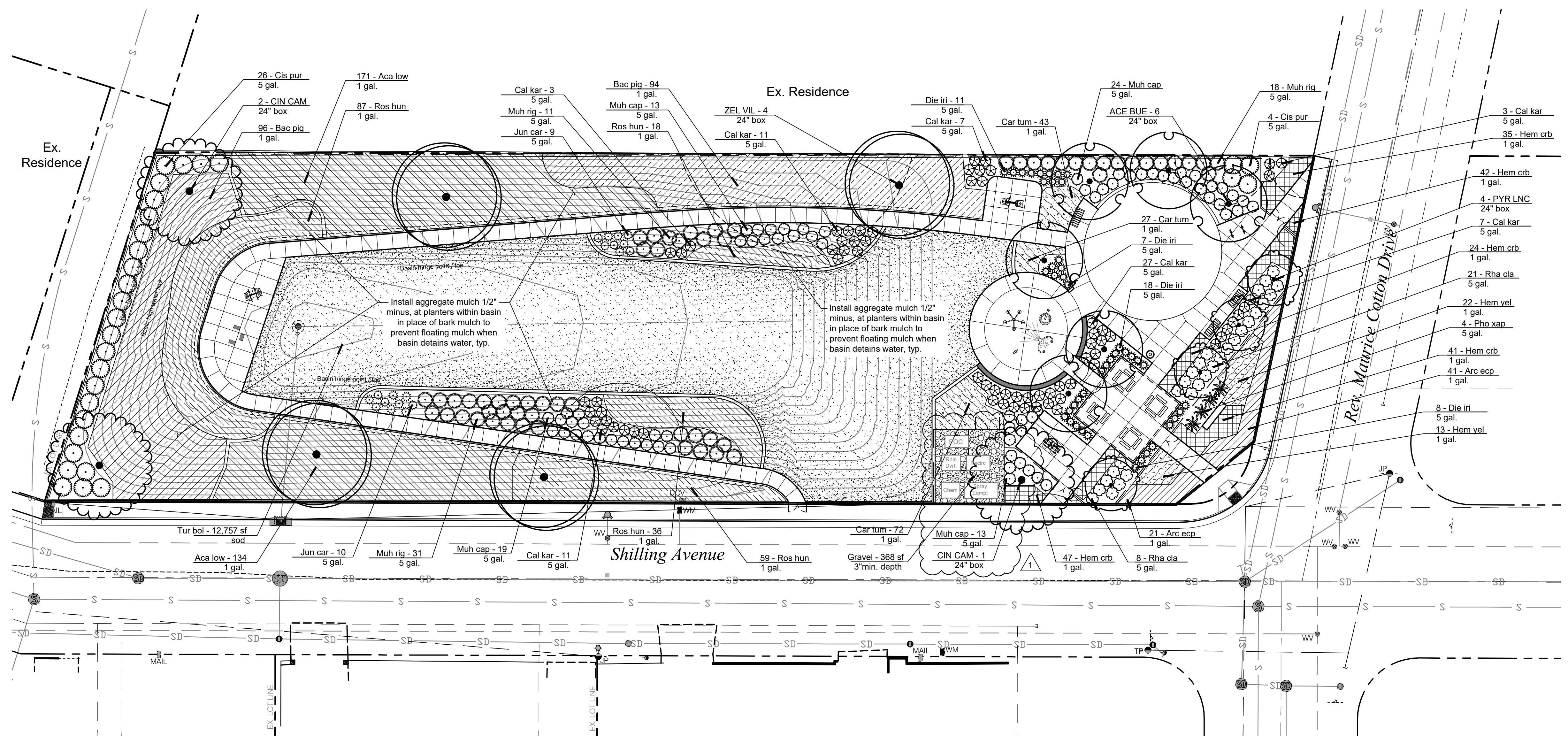
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Revision:
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Date: 04 May 2023
 Drawn: RSH
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 Project No.: 22-021
 Scale: 1" = 20'-0"

Sheet:
Planting Plan
L4.1



PLANT SCHEDULE

| GROUND COVERS | CODE | BOTANICAL NAME | COMMON NAME | SIZE | SPACING | QTY | DETAIL |
|--------------------|---------|--|------------------------------------|---------------|----------|-----------|-----------------|
| | Aca low | Acacia redolens 'Low Boy' | Low Boy Bank Catclaw | 1 gal. | 48" o.c. | 305 | 4/L6.1 Low |
| | Arc ecp | Arctostaphylos x 'Emerald Carpet' | Emerald Carpet Manzanita | 1 gal. | 36" o.c. | 62 | 4/L6.1 Moderate |
| | Bac pig | Baccharis pilularis 'Pigeon Point' | Pigeon Point Coyote Brush | 1 gal. | 60" o.c. | 190 | 4/L6.1 Low |
| | Car tum | Carex tumulicola | Foothill Sedge | 1 gal. | 24" o.c. | 142 | 4/L6.1 Low |
| | Hem crb | Hemerocallis x 'Cranberry Baby' | Cranberry Baby Daylily | 1 gal. | 24" o.c. | 189 | 4/L6.1 Moderate |
| | Hem yel | Hemerocallis x 'Evergreen Yellow' | Evergreen Yellow Daylily | 1 gal. | 36" o.c. | 35 | 4/L6.1 Moderate |
| | Ros hun | Rosmarinus officinalis 'Huntington Carpet' | Huntington Carpet Rosemary | 1 gal. | 48" o.c. | 200 | 4/L6.1 Low |
| INERT GROUND COVER | CODE | BOTANICAL NAME | COMMON NAME | SIZE | SPACING | QTY | DETAIL |
| | Gravel | Crushed aggregate | 1" minus, coarse, washed aggregate | 3" min. depth | | 368 sf | 5/L6.1 None |
| SOD/SEED | CODE | BOTANICAL NAME | COMMON NAME | SIZE | SPACING | QTY | DETAIL |
| | Tur bol | Turf Sod Bolero Plus | Fescue blend | sod | | 12,757 sf | High / SLA |

| TREES | CODE | BOTANICAL NAME | COMMON NAME | SIZE | QTY | DETAIL | WATER USE (WUCOLS) |
|---------|---------|--|----------------------------------|---------|-----|--------|--------------------|
| | ACE BUE | Acer buergerianum | Trident Maple | 24" box | 6 | 1/L6.1 | Moderate |
| | CIN CAM | Cinnamomum camphora | Camphor Tree | 24" box | 3 | 1/L6.1 | Moderate |
| | PYR LNC | Pyrus calleryana 'Chanticleer' | Chanticleer Callery Pear | 24" box | 4 | 1/L6.1 | Moderate |
| | ZEL VIL | Zelkova serrata 'Village Green' | Village Green Japanese Zelkova | 24" box | 4 | 1/L6.1 | Moderate |
| SHRUBS | CODE | BOTANICAL NAME | COMMON NAME | SIZE | QTY | DETAIL | WATER USE (WUCOLS) |
| | Cis pur | Cistus x purpureus | Orchid Rockrose | 5 gal. | 30 | 2/L6.1 | Low |
| | Die iri | Diets iridioides | Fortnight Lily | 5 gal. | 44 | 2/L6.1 | Low |
| | Pho xap | Phormium x 'Apricot Queen' | Apricot Queen New Zealand Flax | 5 gal. | 4 | 2/L6.1 | Moderate |
| | Rha cla | Raphiolepis indica 'Clara' | Clara Indian Hawthorn | 5 gal. | 29 | 2/L6.1 | Moderate |
| GRASSES | CODE | BOTANICAL NAME | COMMON NAME | SIZE | QTY | DETAIL | WATER USE (WUCOLS) |
| | Cal kar | Calamagrostis x acutiflora 'Karl Foerster' | Karl Foerster Feather Reed Grass | 5 gal. | 69 | 2/L6.1 | Low |
| | Jun car | Juncus patens 'Carman's Grey' | Spreading Rush | 5 gal. | 19 | 2/L6.1 | Moderate |
| | Muh cap | Muhlenbergia capillaris | Pink Muhly Grass | 5 gal. | 69 | 2/L6.1 | Low |
| | Muh rig | Muhlenbergia rigens | Deer Grass | 5 gal. | 60 | 2/L6.1 | Low |

Notes:
 1. See Sheet L0.2 for Planting Notes.

LANDSCAPE AREA CALCULATIONS

| | |
|-----------------------|-----------------|
| Total Site Area: | 43,434 sf. |
| Total Landscape Area: | 33,663 sf. |
| Planter: | 20,906 sf (62%) |
| Turf: | 12,757 sf (38%) |

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